GENERAL NOTES

1. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO ANY DEMOLITION OR CONSTRUCTION AT THE JOB SITE. ANY DISCREPANCY TO NOTIFY LA COUNTY ARCHITECT IMMEDIATELY.
3. ALL WORK SHALL BE PERFORMED AS PER CALIFORNIA BUILDING CODE, 2022 EDITION AND ALL INSPECTIONS SHALL BE PERFORMED AS REQUIRED BY THE COUNTY OF LOS ANGELES BUILDING DEPARTMENT AND THEIR RELATED AGENCIES.
4. CONTRACTOR SHALL MAINTAIN A SET OF PLANS, APPROVED BY THE LOCAL BUILDING DEPARTMENT, ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
5. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITIONS OF THE COUNTY OF LOS ANGELES BUILDING CODE AND UNIFORM BUILDING CODE STANDARDS, CALIFORNIA CODE OF REGULATIONS HANDICAPPED ACCESSIBILITY REQUIREMENTS (TITLE 24), AMERICANS WITH DISABILITIES ACT (ADA), THE PLANS AND THE PROJECT MANUAL.
6. THIS PROJECT REQUIRES THE PRIME CONTRACTOR TO POSSESS A LICENSE PER GENERAL CONDITIONS AT THE TIME OF BID AWARD. CONTRACTORS SHALL VERIFY THAT ALL CORRECT LICENSES ARE POSSESSED FOR THIS PROJECT.
7. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY & PROTECT AND REPAIR ALL ABOVE AND UNDERGROUND UTILITIES, INCLUDING ELECTRICAL, PLUMBING, SPRINKLERS, GAS SEWERS, AND STORM DRAINS WITHIN THE CONSTRUCTION SITE OR AREAS THAT THEY WORK IN. CONTRACTOR SHALL BE RESPONSIBLE TO SOLICIT THE SERVICES OF USA/DIG ALERT PRIOR TO AN EXCAVATION WORK.
8. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE DEPARTMENT OF PUBLIC WORKS AND BE RESOLVED PRIOR TO STARTING WORK. DO NOT SCALE DRAWINGS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES. CONTRACTOR TO COORDINATE CIVIL, ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING REQUIREMENTS BEFORE CONSTRUCTION. ALL CONDITIONED SPACES SHALL COMPLY WITH "TITLE 24" STATE ENERGY CONSERVATION REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN FIRE ACCESS DURING CONSTRUCTION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PUBLIC SAFETY AND FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION. THIS INCLUDES ALL NECESSARY SHORING, BRACING AND GUY WIRES WHICH SHALL CONFIRM TO ALL APPLICABLE SAFETY ORDINANCES. CONSULTANTS ARE AVAILABLE AT OSHA.
11. CONTRACTOR SHALL MAINTAIN THE SITE CLEAN OF RUBBISH SO AS NOT TO IMPEDE THE ACCESS AND WORK OF OTHER TRADES. THE CONTRACTOR SHALL PROVIDED BARRICADE/TEMPORARY FENCING/WARNING SIGNS TO PROTECT THE PUBLIC OR WORKMEN DURING CONSTRUCTION. BARRICADES/TEMPORARY FENCING SHALL BE LEFT IN PLACE UNTIL AUTHORIZED BY THE DEPARTMENT TO BE REMOVED BY THE CONTRACTOR, AND AFTER THE BARRICADES/TEMPARARY FENCING IS NOT LONGER REQUIRED FOR PROTECTION.
12. ALL ADJACENT FACILITIES SHALL CONTINUE IN NORMAL OPERATION DURING THE PERIOD OF THE CONTRACT. THE CONTRACTOR SHALL CONDUCT HIS WORK IN SUCH A MANNER NOT TO RESTRICT OR OBSTRUCT ENTRANCES, EXITS OR DISRUPT UTILITY SERVICES. THE CONTRACTOR SHALL PROVIDE TEMPORARY CONNECTIONS, LINES AND SERVICES TO THE LOS ANGELES COUNTY DEPARTMENTS.
13. ALL AREAS AFFECTED OR DAMAGED BY ALTERATION, REMOVAL OF EXISTING CONSTRUCTION AND NEW WORK SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING OR IN A SATISFACTORY MANNER APPROVED BY LOS ANGELES COUNTY PUBLIC WORKS. MATCH ADJACENT SIMILAR MATERIALS IN TEXTURE AND COLOR.
14. SEPARATE BUILDING PERMITS SHALL BE TAKEN OUT FOR ELECTRICAL AND MECHANICAL PORTIONS. REQUIRED PERMITS SHALL BE OBTAINED FROM THE "STATE DIVISION OF INDUSTRIAL SAFETY" FOR ANY TRENCHES OR EXCAVATIONS 5 FEET OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND. SEPARATE PLANS SHALL BE PLAN CHECKED AND SEPARATE PERMITS SHALL BE OBTAINED FOR AUTOMATIC FIRE EXTINGUISHING SYSTEM AS APPLICABLE.
15. ALL WORK AND MATERIALS ARE NEW UNLESS OTHERWISE INDICATED. THE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE UNLESS OTHERWISE SHOWN. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING BUT NOT LIMITED TO INSTALLATION OF ADEQUATE SHORING, BRACING, ETC., TO SAFELY EXECUTE ALL WORK.
16. DRAWINGS ARE DIVIDED INTO SEPARATE SHEETS FOR GENERAL CONVENIENCE ONLY. SHEET DESIGNATIONS OR NUMBERS SHALL NOT BE CONSIDERED TO LIMIT AREAS OF WORK, RESPONSIBILITY, OR TRADES. CONTRACTOR MUST COORDINATE THE DRAWINGS WITH EACH OTHER AND WITH PROJECT MANUAL IN ORDER TO COMPLETE THE PROJECT AS DESIGNED.
17. DIMENSIONS OF STUD WALLS ARE TO CENTERLINE OF STUDS UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO CENTER LINE OF COLUMNS UNLESS NOTED OTHERWISE. CONCRETE IS DIMENSIONED TO FACE OF WALL. CMU DIMENSIONS ARE TO CENTERLINE OF MORTAR JOINTS UNLESS OTHERWISE NOTED. FOR EXACT OVERALL WALL DIMENSIONS SUBTRACT ONE MORTAR JOINT. FOR EXACT WALL OPENING DIMENSION ADD ONE MORTAR JOINT TO BOTH WIDTH AND HEIGHT. VERTICAL DIMENSIONS FROM FINISH FLOOR LINE ARE TO TO TOP OF UNIT UNLESS OTHERWISE NOTED.
18. TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE JOB, EXCEPT WHERE THEY CONTRADICT WITH DETAILS NOTES SPECIFIED ON OTHER SHEETS. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS BEST AS POSSIBLE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO LOS ANGELES COUNTY PUBLIC WORKS ARCHITECTS SO THAT THE PROPER REVISIONS MAY BE MADE. MODIFICATIONS OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF LOS ANGELES COUNTY PUBLIC WORKS ARCHITECTS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT, AND BE SUBJECT TO REVIEW AND APPROVAL BY LA COUNTY DPW ARCHITECTS.

BARRY J. NIDORF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN UPGRADES

16350 FILBERT STREET
SYLMAR, CA 91342

BUILDING SUMMARY

ZONING: PF-1VL

BUILDING OCCUPANCY: I-3, B

CONSTRUCTION TYPE: TYPE I-A (FIRE RESISTIVE CONSTRUCTION) 1

BUILDING CODE: CALIFORNIA BUILDING CODE, 2022 EDITION
CALIFORNIA MECHANICAL CODE, 2022 EDITION
CALIFORNIA ELECTRICAL CODE, 2022 EDITION

APPLICABLE CODES

BUILDING CODES:
LA COUNTY BUILDING CODE, 2023 EDITION
LA COUNTY MECHANICAL CODE, 2023 EDITION
LA COUNTY ELECTRICAL CODE, 2023 EDITION
LA COUNTY PLUMBING CODE, 2023 EDITION
LA COUNTY ENERGY CODE, 2023 EDITION
LA COUNTY GREEN BLDG. STANDARDS CODE, 2023 EDITION

PROJECT DESCRIPTION

TWO PORTIONS OF THE OVERALL PROJECT UNDER THIS PERMIT APPLICATION INVOLVE SECURITY UPGRADES TO THE EXTERIOR PERIMETER WALLS AND PROVISIONS FOR A NEW HVAC FOR ONE OF THE BUILDINGS AT CAMP BARRY J. NIDORF JUVENILE HALL IN SYLMAR, CA. DESCRIPTIONS ARE LISTED BELOW:

- INSTALL SECURITY FENCE NETTING SYSTEM AT THE NORTH INTERIOR CONCRETE MASONRY BLOCK WALLS, ALONG THE WEST, NORTHEAST AND EAST BLOCK WALLS PROPERTY LINES.
- INSTALL NEW HVAC SYSTEM FOR THE DRY FOOD STORAGE ROOM AT BUILDING 16 KITCHEN CAFETERIA.

DIRECTORY

OWNER'S REPRESENTATIVE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
PROJECT MANAGEMENT DIVISION II
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803
ATTN.:COURTNEY TOSSOUNIAN
TEL: 626-300-3277

ARCHITECT
JTC ARCHITECTS, INC.
65 N. FIRST AVE., STE. 201
ARCADIA, CA 91006
ATTN.: JUNE QUEK
TEL : 626-254-8884

CIVIL
CALVADA SURVEYING, INC.
411 JENKS CIRCLE, SUITE 205
CORONA, CA 92878
ATTN.: ARMANDO DUPONT
TEL: 951-280-9960

STRUCTURAL
MHP STRUCTURAL ENGINEERS
3900 COVER STREET
LONG BEACH, CA 90808
ATTN.: RICK BEALL
TEL: 562-985-3200

MECHANICAL & ELECTRICAL
dHA+CALPEC
150 S. ARROYO PARKWAY, STE. 100
PASADENA, CA 91105
ATTN.: KEVIN CHEN (MECH.)
DEREK WEI (ELEC.)
TEL.: 626-445-8580

SCOPE OF WORK

A. SECURITY FENCE NETTING (PERIMETER BLOCK WALLS): 3

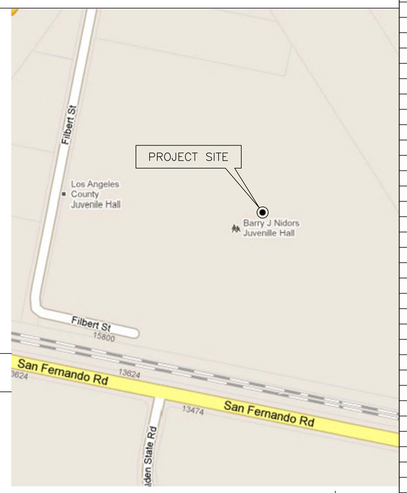
- INSTALL 26'-4" MINIMUM HIGH SECURITY NETTING ON STEEL FRAMES AND POSTS ALONG EXISTING MASONRY BLOCK WALLS (DRIVEWAY AISLES) 1
- DRILL PILE FOUNDATION FOR THE MAIN STRUCTURAL POSTS SUPPORTS

B. HVAC SYSTEM (AT BUILDING #5):

- INSTALL TWO DIRECT EXPANSION FAN COILS UNITS IN THE DRY FOOD STORAGE ROOM
- PROVIDE DUCTLESS OUTDOOR CONDENSER UNIT ON THE MAIN ROOF OF KITCHEN

3 NOTE TO PLANNING (PLAN CHECK COMMENT)
GRADING OF SITE AREAS IS NOT PART OF SCOPE OF WORK. THERE IS NO GRADING WORK INVOLVED UNDER THIS PERMIT.

VICINITY MAP



NOT TO SCALE

LEGAL DESCIPTION

ASSESSOR'S PARCEL NO. 2603-010-906

LOS ANGELES OLIVE GROWERS ASSOCIATION LANDS LOT COM AT NW COR OF LOT 3 BLK 218 TH E TO NE COR OF SD LOT TH N 11¢27'33" E 117.65 FT TH S 32¢36'07" E TO W LINE OF YARNELL ST TH S THEREON TO N LINE OF S P R R R/W TH W ON SD N LINE TO E LINE OF FILBERT ST TH N THEREON TO BEG PART OF LOTS 2, 4 AND 6 AND ALL OF LOTS 3, 5, 7 AND LOT 8 BLK 218

DRAWING INDEX

DRAWING NUMBER	DRAWING TITLE	SCHEMATIC DESIGN PROGRESS SET 04/28/23	SCHEMATIC DESIGN SET 07/07/23	50% CONSTRUCTION DOCUMENTS 09/15/23	REVISED 50% CONSTRUCTION DOCUMENTS 03/27/24	90% CONSTRUCTION DOCUMENTS 04/24/24	PLAN CHECK SUBMITTAL-BLDG & PLAN'G 05/10/24	PLAN CHECK RESUBMITTAL-BLDG 06/17/24	PLAN CHECK RESUBMITTAL-PLANNING 11/11/24	PLAN CHECK RESUBMITTAL-SOILS REPORT 11/30/24	ISSUED FOR BIDDING 02/04/25
	TITLE									4	
T-001	TITLE, VICINITY MAP, DIRECTORY, AND DRAWING INDEX	●	●	●	●	●	●	●	●	●	●
	CIVIL										
C-1.01	TOPOGRAPHIC SURVEY - SHEET 1 OF 5		●	●	●	●	●	●	●	●	●
C-1.02	PARTIAL ENLARGED TOPOGRAPHIC SURVEY - SHEET 2 OF 5		●	●	●	●	●	●	●	●	●
C-1.03	PARTIAL ENLARGED TOPOGRAPHIC SURVEY - SHEET 3 OF 5		●	●	●	●	●	●	●	●	●
C-1.04	PARTIAL ENLARGED TOPOGRAPHIC SURVEY - SHEET 4 OF 5		●	●	●	●	●	●	●	●	●
C-1.05	PARTIAL ENLARGED TOPOGRAPHIC SURVEY - SHEET 5 OF 5					●	●	●	●	●	●
	ARCHITECTURAL										
A-1.01	SITE PLAN	●	●	●	●	●	●	●	●	●	●
A-1.01A	SITE PLAN - AREAS OF WORK								●	●	●
A-1.02	PARTIAL ENLARGED SITE PLANS - EXISTING FOR REFERENCE		●	●	●	●	●	●	●	●	●
A-1.03	PARTIAL ENLARGED SITE PLANS - EXISTING FOR REFERENCE		●	●	●	●	●	●	●	●	●
AD-2.01	BUILDING #5 - KITCHEN/ DINNING/ CHAPEL FLOOR PLAN-DEMO	●	●	●	●	●	●	●	●	●	●
A-2.01	BUILDING #5 - KITCHEN/ DINNING/ CHAPEL FLOOR PLAN-NEW	●	●	●	●	●	●	●	●	●	●
A-3.01	ENLARGED SECURITY WALL PLANS - NEW WORK		●	●	●	●	●	●	●	●	●
A-3.01A	ENLARGED SECURITY WALL PLANS - NEW WORK				●	●	●	●	●	●	●
A-3.02	ENLARGED SECURITY WALL ELEVATIONS - NEW WORK		●	●	●	●	●	●	●	●	●
A-3.02A	ENLARGED SECURITY WALL ELEVATIONS - NEW WORK				●	●	●	●	●	●	●
A-3.03	PARTIAL ENLARGED SECURITY WALL PLAN, ELEVATIONS, SECTIONS AND DETAILS - NEW WORK		●	●	●	●	●	●	●	●	●
	STRUCTURAL										
S-0.01	STRUCTURAL NOTES AND ABBREVIATIONS			●	●	●	●	●		●	●
S-0.02	STRUCTURAL NOTES			●	●	●	●	●		●	●
S-1.01	SITE PLAN				●	●	●	●		●	●
S-2.00	PARTIAL SECURITY WALL FOUNDATION PLAN			●	●	●	●	●		●	●
S-2.01	PARTIAL SECURITY WALL FOUNDATION PLAN				●	●	●	●		●	●
S-2.02	PARTIAL ROOF FRAMING PLAN			●	●	●	●	●		●	●
S-3.01	SECTIONS AND DETAILS				●	●	●	●		●	●
	MECHANICAL										
M-0.01	MECHANICAL LEGEND, NOTES AND ABBREVIATIONS	●	●	●	●	●	●	●			●
M-0.02	MECHANICAL EQUIPMENT SCHEDULE	●	●	●	●	●	●	●			●
M-0.03	MECHANICAL TITLE 24							●			●
M-0.04	MECHANICAL TITLE 24							●			●
M-101	MECHANICAL FLOOR AND ROOF PLAN	●	●	●	●	●	●	●			●
M-5.01	DETAILS				●	●	●	●			●
	ELECTRICAL										
E-0.01	ELECTRICAL LEGENDS AND NOTES			●	●	●	●				●
E-0.02	PARTIAL SINGLE LINE DIAGRAM AND PANEL SCHEDULE			●	●	●	●				●
E-0.03	ELECTRICAL DETAILS				●	●	●				●
E-2.01	FLOOR PLAN - NEW WORK			●	●	●	●				●

NO.	DATE:	REMARKS:	BY:
			BY:
1	6-14-24	PLAN CHECK SUBMITTAL-BLDG & PLANNING	JTC
2	02-04-25	PLAN CHECK RESUBMITTAL-BLDG	JTC
			BY:
3	11-11-24	PLAN CHECK RESUBMITTAL-PLANNING	JTC
4	11-30-24	PLAN CHECK RESUBMITTAL-SOILS REPORT	JTC
			BY:
5	02-04-25	BID SET	JTC
6			
			BY:
7			
8			
			BY:
9			
10			

Editing Date : 1 / 15 / 2025 // 18:43 – Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIRDOF
SECURE YOUTH TRACK FACILITY SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230,
PCS ID:2241

LOCATION :

16350 FILBERT STREET,
SYLMAR, CA 91342

ARCHITECT :

JTC architects, inc.

65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

LICENSED ARCHITECT — NEE HUANG QUEK — C-33750 — REN. 06-30-25 — STATE OF CALIFORNIA

CONSULTANT :

BID SET

TITLE:

TITLE SHEET

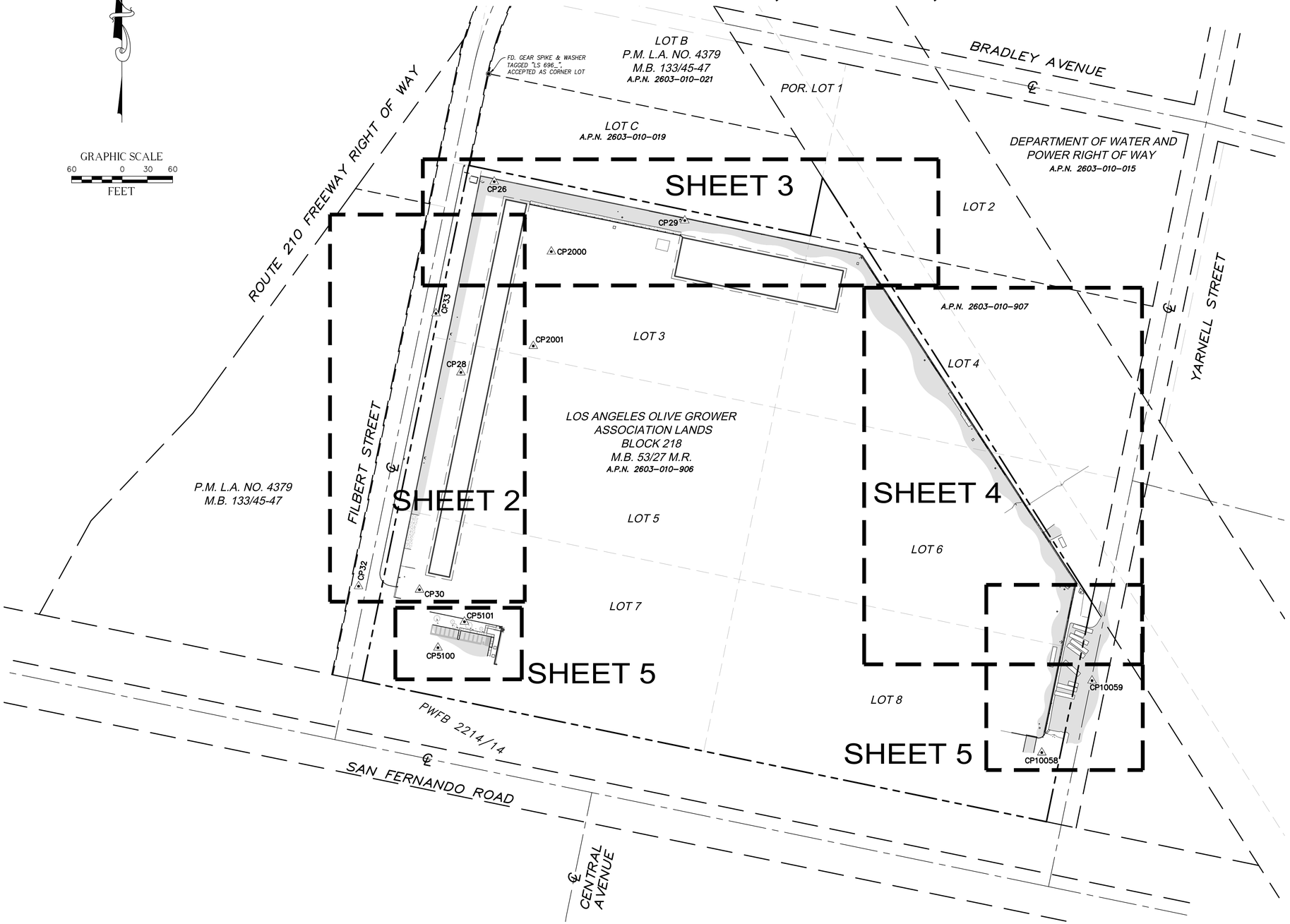
SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ

SHEET NUMBER:

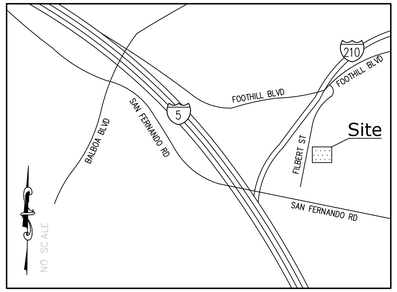
T-001

TOPOGRAPHIC SURVEY

16350 FILBERT STREET, SYLMAR, CA 91342



VICINITY MAP



LEGEND

	ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	DOOR
	FIRE HYDRANT
	FOUND MONUMENT AS NOTED
	GATE
	GUARD POST
	HANDICAP
	POWER POLE
S	SEWER MANHOLE
D	STORM DRAIN MANHOLE
	SIGN
	TREE (TYPICAL)
	TREE STUMP
	TRUNCATED DOME
	WATER METER
	WATER VALVE
APN	ASSESSOR'S PARCEL NUMBER
℄	CENTERLINE
FF	FINISH FLOOR
FS	FINISH SURFACE
FL	FLOW LINE
HCR	HANDICAP RAMP
ICV	IRRIGATION CONTROL VALVE
NG	NATURAL GROUND
PL	PROPERTY LINE
R/W	RIGHT OF WAY
TC	TOP OF CURB
TOP	TOP OF STRUCTURE
TW	TOP OF WALL
	BLOCK WALL
	BRICK WALL
	CENTERLINE
	CHAIN LINK FENCE
	EDGE OF PAVEMENT
	INTERIOR LOT LINE
	OVERHANG
	PROPERTY LINE
	RIGHT-OF-WAY
	WROUGHT IRON FENCE

CONTROL POINTS

CP#	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP26	1938224.06'	6415287.35'	1318.13'	SET MAGNETIC NAIL & SHINER
CP28	1937846.29'	6415221.36'	1296.02'	SET SCRIBED X
CP29	1938147.02'	6415664.53'	1285.24'	SET MAGNETIC NAIL & SHINER
CP30	1937416.04'	6415139.40'	1278.28'	SET SCRIBED X
CP32	1937422.94'	6415018.81'	1279.04'	SET MAGNETIC NAIL/TIN
CP33	1937963.20'	6415172.03'	1299.69'	SET 1X2 MAGNETIC NAIL
CP2000	1938085.56'	6415400.32'	1317.22'	SET SCRIBED X
CP2001	1937898.70'	6415364.64'	1304.92'	SET SCRIBED X
CP5100	1937301.26'	6415176.00'	1277.05'	SET MAGNETIC NAIL/SHINER
CP5101	1937352.64'	6415228.38'	1277.87'	SET 2"X2" HUB W/MAGNETIC NAIL
CP10058	1937093.60'	6416371.10'	1269.33'	SET MAGNETIC NAIL
CP10059	1937236.07'	6416470.47'	1275.49'	SET MAGNETIC NAIL & SHINER

NOTE: THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.

REVISIONS

NO.	DATE	REVISIONS	BY
0	05/09/23	SUBMITTAL	LN/DM
1	04/17/24	ADDITIONAL TOPOGRAPHY	RM/AC

UTILITY STATEMENT

BURIED UTILITIES AND/OR PIPELINES SHOWN HEREON ARE PER VISIBLE AND APPARENT SURFACE EVIDENCE, RECORD DRAWINGS OF THE CONSTRUCTED UTILITY LINES OBTAINED FROM RELIABLE AND RESPONSIBLE SOURCES NOT CONNECTED WITH CALVADA SURVEYING, INC. OR MARKINGS PROVIDED BY AN INDEPENDENT LOCATING CONTRACTOR. NO GUARANTEE OR WARRANTY, EITHER EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF SUCH INFORMATION. IF MORE ACCURATE LOCATIONS OF UNDERGROUND UTILITIES OR PIPE LINES ARE REQUIRED, THE UTILITY OR PIPELINE WILL HAVE TO BE VERIFIED BY FIELD POTHOLING. CALVADA SURVEYING, INC. AND THE SURVEYOR OF RECORD SHALL NOT BE HELD LIABLE FOR THE LOCATION OF OR THE FAILURE TO NOTE THE LOCATION OF NON-VISIBLE UTILITIES OR PIPELINES.

Underground Service Alert
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

PREPARED FOR

JTC ARCHITECTS
65 N. 1ST AVENUE, SUITE 201
ARCADIA, CA 91006
PHONE: 626.254.8884

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 5, (2022.75) IN ACCORDANCE TO THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID BEARINGS ARE DETERMINED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING LEICA SMARTNET NORTH AMERICA (S.N.N.A.) CONTINUOUSLY OPERATING REFERENCE STATIONS (C.O.R.S.):

S.N.N.A. CALS:
NORTHING = 2058541.17' EASTING = 6517447.00'

S.N.N.A. CASC:
NORTHING = 1973008.05' EASTING = 6394682.99'

THE COMBINATION FACTOR FOR THIS PROJECT WAS APPLIED AT THE FOLLOWING POINT:
NORTHING = 1938081.07' EASTING = 6415574.85'

MAPPING ANGLE = -00°16'33" SCALE FACTOR = 1.00010637

BENCHMARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE SMARTNET NORTH AMERICA C.O.R.S. CALS, ELEVATION 2531.43 FEET (NAVD 88).

SITE INFORMATION

SITE NAME: Barry J. Nidorf Secure Youth Track Facility Security and Kitchen Upgrades

ADDRESS: 16350 Filbert St, Sylmar, CA 91342

ASSESSORS PARCEL NO: 2603-010-906

SURVEYOR OF RECORD

FIELD COMPLETION DATE: APRIL 02, 2024.

LICENSED LAND SURVEYOR Armando D. DuPont L.S. 7780 Date Signed: 04/17/2024 STATE OF CALIFORNIA

Armando D. DuPont
Registration No. 7780

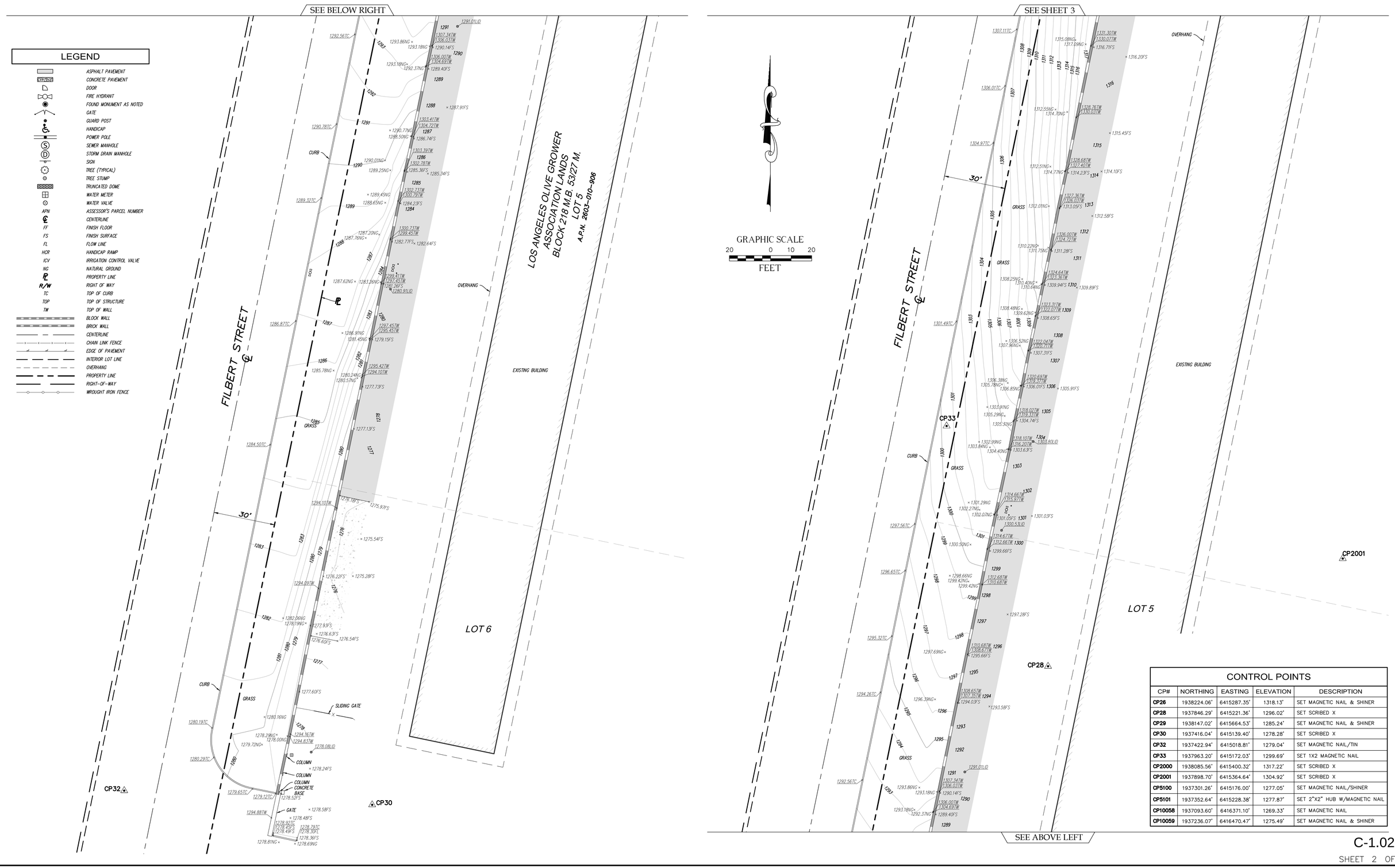
CALVADA SURVEYING, INC.
411 Jenks Circle, Suite 205, Corona, CA 92878
Phone: 951-280-9960 Fax: 951-280-9746
Toll Free: 800-CALVADA www.calvada.com

EST. 1989 JOB NO. 23150

C-1.01 SHEET 1 OF 5

TOPOGRAPHIC SURVEY

16350 FILBERT STREET, SYLMAR, CA 91342



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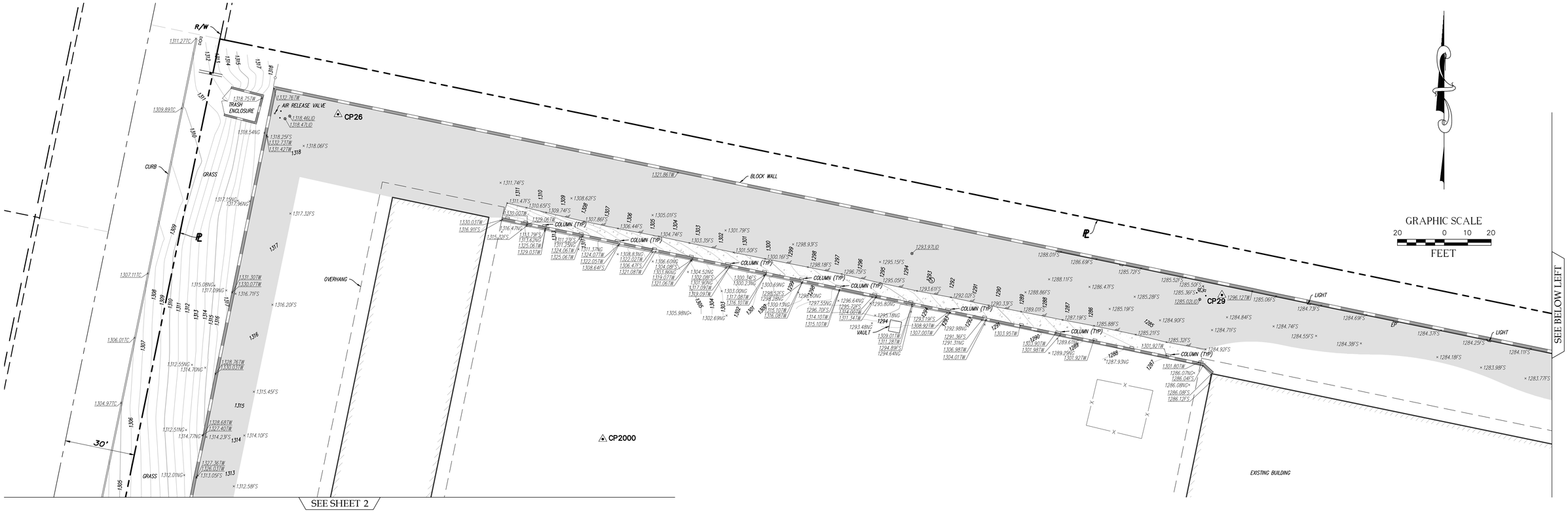
16350 FILBERT STREET, SYLMAR, CA 91342



LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- DOOR
- FIRE HYDRANT
- FOUND MONUMENT AS NOTED
- GATE
- GUARD POST
- HANDICAP
- POWER POLE
- SEWER MANHOLE
- STORM DRAIN MANHOLE
- SIGN
- TREE (TYPICAL)
- TREE STUMP
- TRUNCATED DOME
- WATER METER
- WATER VALVE
- APN ASSESSOR'S PARCEL NUMBER
- CENTERLINE
- FF FINISH FLOOR
- FS FINISH SURFACE
- FL FLOW LINE
- HCR HANDICAP RAMP
- ICV IRRIGATION CONTROL VALVE
- NG NATURAL GROUND
- PROPERTY LINE
- R/W RIGHT OF WAY
- TC TOP OF CURB
- TOP TOP OF STRUCTURE
- TW TOP OF WALL
- BLOCK WALL
- BRICK WALL
- CENTERLINE
- CHAIN LINK FENCE
- EDGE OF PAVEMENT
- INTERIOR LOT LINE
- OVERHANG
- PROPERTY LINE
- RIGHT-OF-WAY
- WROUGHT IRON FENCE

CONTROL POINTS

CP#	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP26	1938224.06'	6415287.35'	1318.13'	SET MAGNETIC NAIL & SHINER
CP28	1937846.29'	6415221.36'	1296.02'	SET SCRIBED X
CP29	1938147.02'	6415664.53'	1285.24'	SET MAGNETIC NAIL & SHINER
CP30	1937416.04'	6415139.40'	1278.28'	SET SCRIBED X
CP32	1937422.94'	6415018.81'	1279.04'	SET MAGNETIC NAIL/TIN
CP33	1937963.20'	6415172.03'	1299.69'	SET 1X2 MAGNETIC NAIL
CP2000	1938085.56'	6415400.32'	1317.22'	SET SCRIBED X
CP2001	1937898.70'	6415364.64'	1304.92'	SET SCRIBED X
CP5100	1937301.26'	6415176.00'	1277.05'	SET MAGNETIC NAIL/SHINER
CP5101	1937352.64'	6415228.38'	1277.87'	SET 2"X2" HUB W/MAGNETIC NAIL
CP10058	1937093.60'	6416371.10'	1269.33'	SET MAGNETIC NAIL
CP10059	1937236.07'	6416470.47'	1275.49'	SET MAGNETIC NAIL & SHINER

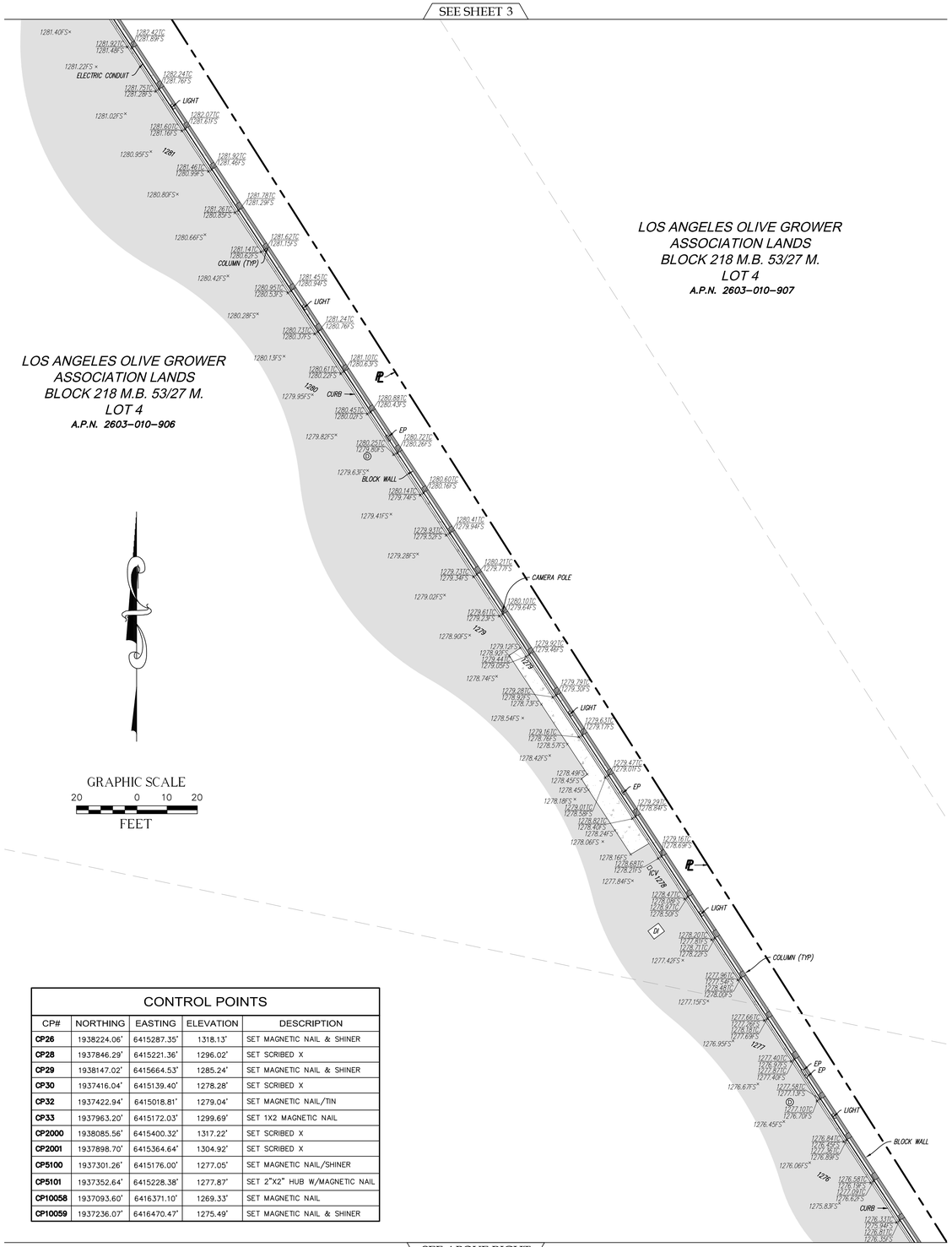
C-1.03

TOPOGRAPHIC SURVEY

16350 FILBERT STREET, SYLMAR, CA 91342

SEE SHEET 3

SEE BELOW LEFT



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LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- DOOR
- FIRE HYDRANT
- FOUND MONUMENT AS NOTED
- GATE
- GUARD POST
- HANDICAP
- POWER POLE
- (S) SEWER MANHOLE
- (D) STORM DRAIN MANHOLE
- SIGN
- TREE (TYPICAL)
- TREE STUMP
- TRUNCATED DOME
- WATER METER
- WATER VALVE
- APN ASSESSOR'S PARCEL NUMBER
- ℄ CENTERLINE
- FF FINISH FLOOR
- FS FINISH SURFACE
- FL FLOW LINE
- HCR HANDICAP RAMP
- ICV IRRIGATION CONTROL VALVE
- NG NATURAL GROUND
- PL PROPERTY LINE
- R/W RIGHT OF WAY
- TC TOP OF CURB
- TOP TOP OF STRUCTURE
- TW TOP OF WALL
- BLOCK WALL
- BRICK WALL
- CENTERLINE
- CHAIN LINK FENCE
- EDGE OF PAVEMENT
- INTERIOR LOT LINE
- OVERHANG
- PROPERTY LINE
- RIGHT-OF-WAY
- WROUGHT IRON FENCE

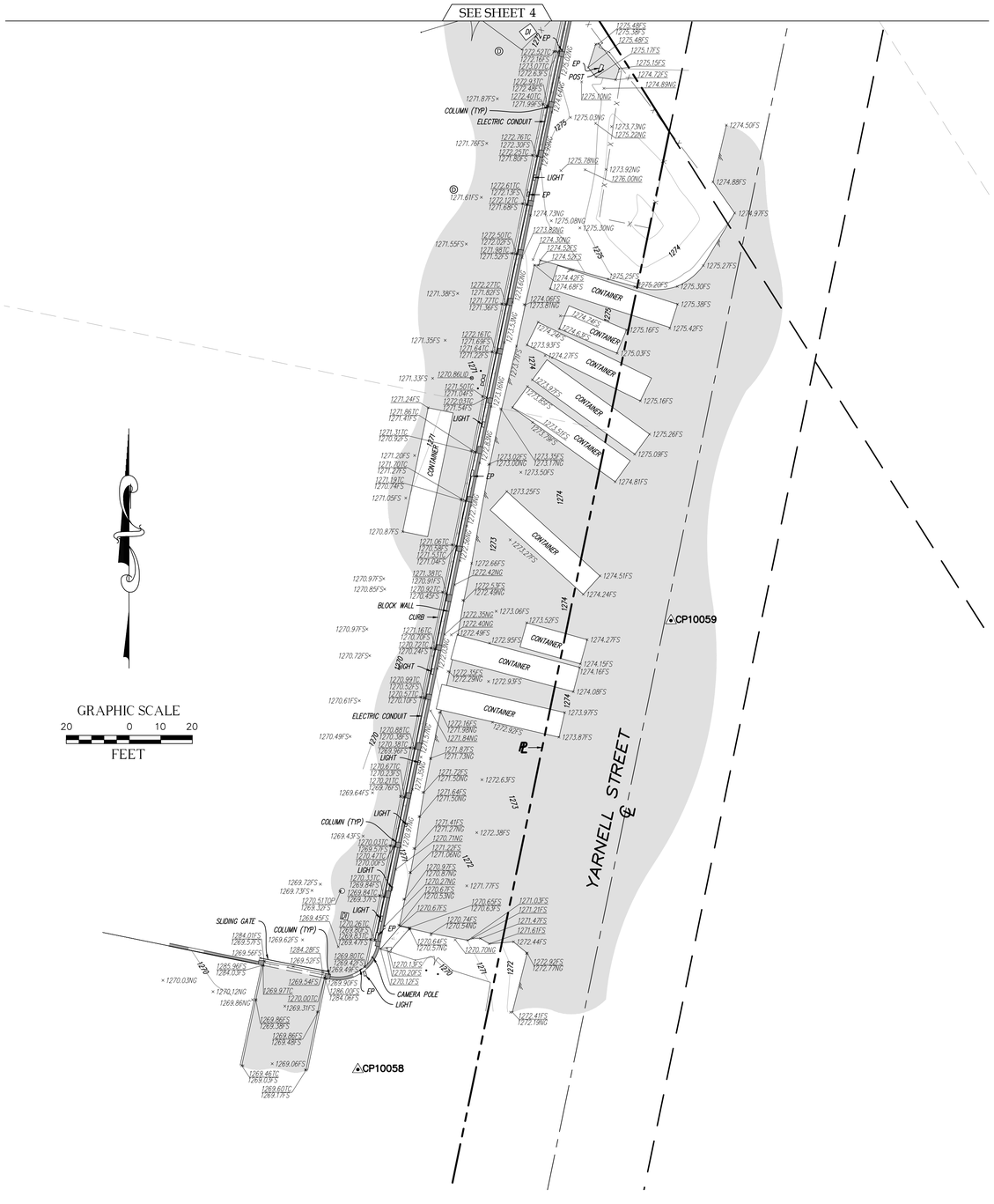
SEE ABOVE RIGHT

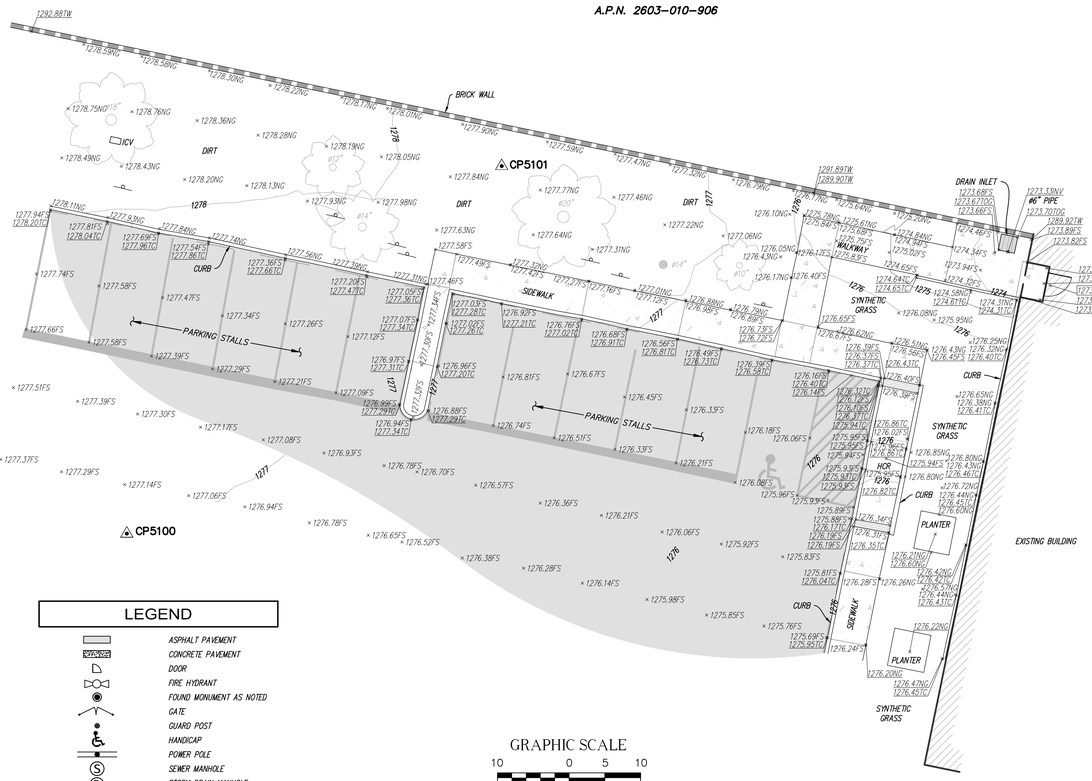
SEE SHEET 5

C-1.04

TOPOGRAPHIC SURVEY

16350 FILBERT STREET, SYLMAR, CA 91342





LEGEND

	ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	DOOR
	FIRE HYDRANT
	FOUND MONUMENT AS NOTED
	GATE
	GUARD POST
	HANDICAP
	POWER POLE
S	SEWER MANHOLE
D	STORM DRAIN MANHOLE
	SIGN
	TREE (TYPICAL)
	TREE STUMP
	TRUNCATED DOME
	WATER METER
	WATER VALVE
APN	ASSESSOR'S PARCEL NUMBER
℄	CENTERLINE
FF	FINISH FLOOR
FS	FINISH SURFACE
FL	FLOW LINE
HCR	HANDICAP RAMP
ICV	IRRIGATION CONTROL VALVE
NG	NATURAL GROUND
℄	PROPERTY LINE
R/W	RIGHT OF WAY
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TOP	TOP OF STRUCTURE
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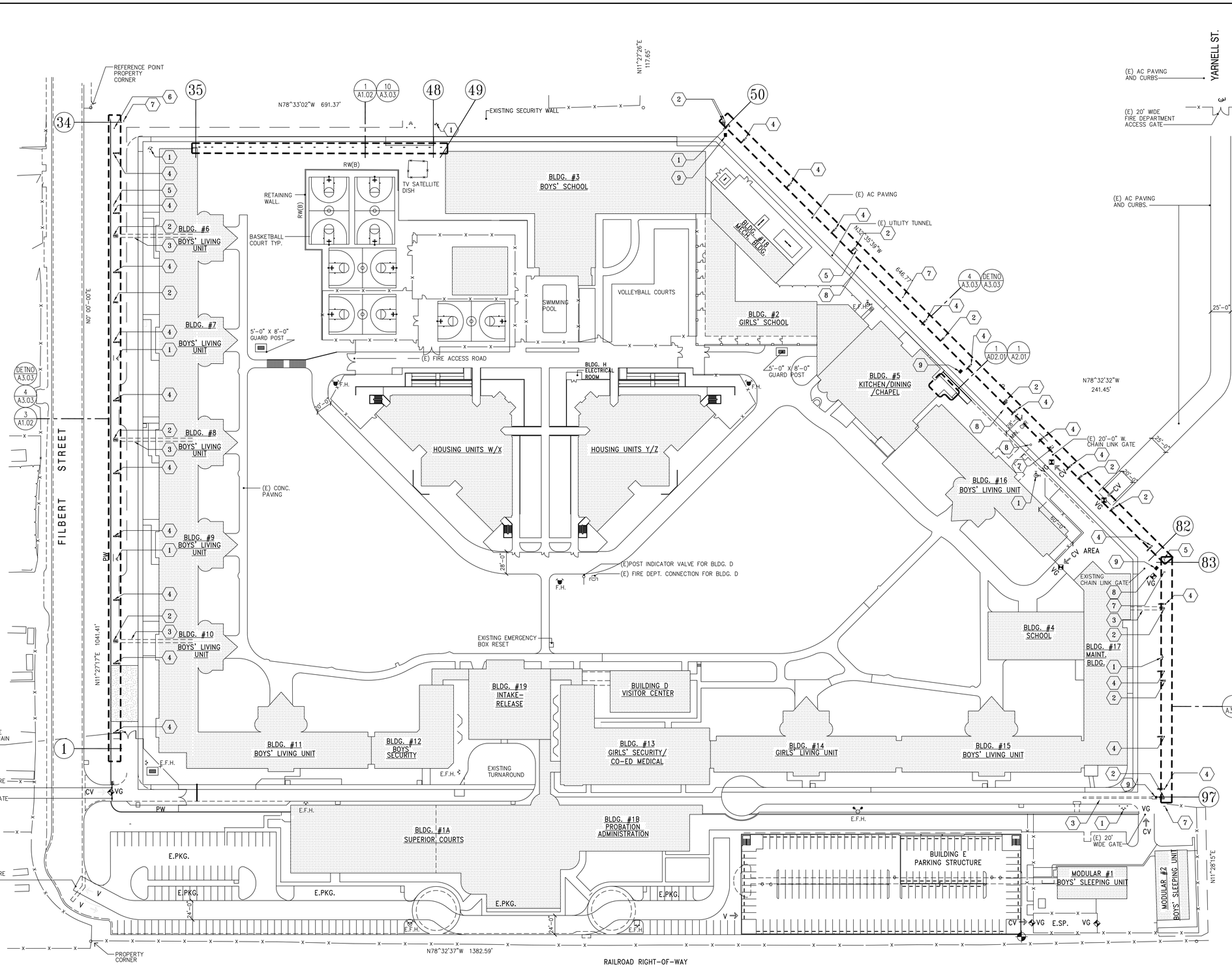
C-1.05



LEGEND

- (E) FIRE HYDRANT W/ BOLLARDS
- PB(E) (E) ELECTRICAL PULL BOX
- LIGHT(E) (E) WALL MOUNTED LIGTHT FIXTURE
- (E) SECURITY CAMERA
- (E) GRATED CATCH BASIN COVER

REFERENCE NOTES

1. (E) FIRE HYDRANT WITH TWO BOLLARDS TO REMAIN.
2. (E) ELECTRICAL PULL BOX OR PANEL TO REMAIN.
3. (E) UNDERGROUND ELECTRICAL CABLE AREA TO REMAIN.
4. (E) WALL MOUNTED LIGHT FIXTURE TO REMAIN.
5. (E) CONDUIT EXPANSION LOCATION.
6. (E) COMBINATION AIR RELEASE VALVE WITH TWO BOLLARDS TO REMAIN.
7. (E) SECURITY CAMERAS TO REMAIN.
8. (E) MAN HOLE COVER TO REMAIN.
9. (E) GRATED CATCH BASIN COVER TO REMAIN.

1 SITE PLAN
SCALE: 1"=50'-0"

NO.	DATE	BY	REMARKS
1	5-10-24	JTC	PLAN CHECK SUBMITTAL-BLDG & PLANNING
2	6-14-24	JTC	PLAN CHECK RESUBMITTAL-BLDG
3		JTC	PLAN CHECK RESUBMITTAL-PLANNING
4			BID SET
5	11-11-24	JTC	
6	02-04-25	JTC	
7			
8			
9			
10			
11			
12			

Editing Date : 1 / 15 / 2025 // 15:39 – Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIRDOF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230,
PCS ID:2241

LOCATION :

16350 FILBERT STREET,
SYLMAR, CA 91342

ARCHITECT :

JTC
architects, inc.
65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

LICENSED ARCHITECT NEE HUANG QUEK C-33750 REN. 06-30-25 STATE OF CALIFORNIA

CONSULTANT :

BID SET

TITLE:

SITE PLAN

SCALE:	AS SHOWN
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ
SHEET NUMBER:	

A-1.01

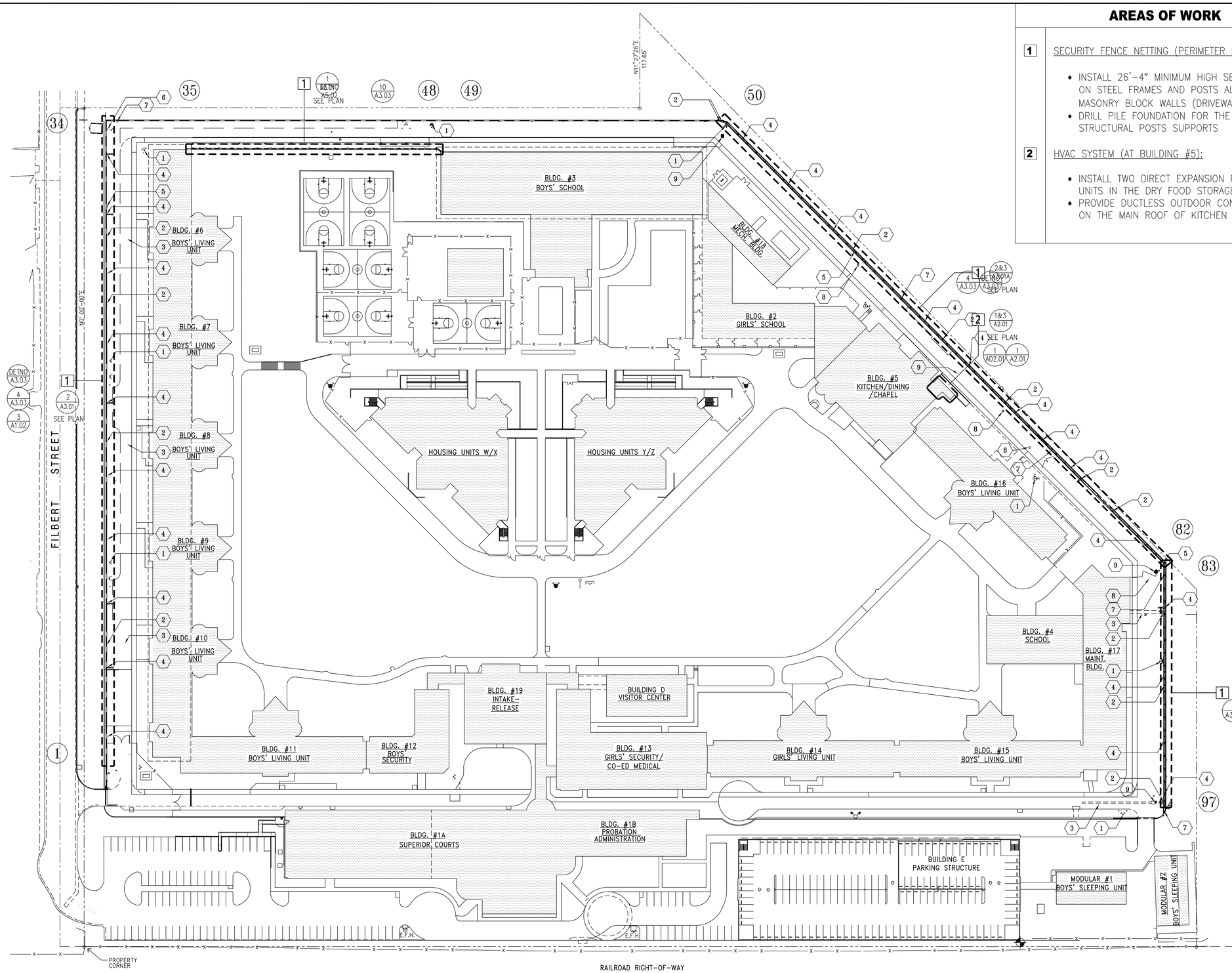
AREAS OF WORK

1 SECURITY FENCE NETTING (PERIMETER BLOCK WALLS):

- INSTALL 26'–4" MINIMUM HIGH SECURITY NETTING ON STEEL FRAMES AND POSTS ALONG EXISTING MASONRY BLOCK WALLS (DRIVEWAY AISLES)
- DRILL PILE FOUNDATION FOR THE MAIN STRUCTURAL POSTS SUPPORTS

2 HVAC SYSTEM (AT BUILDING #5):

- INSTALL TWO DIRECT EXPANSION FAN COILS UNITS IN THE DRY FOOD STORAGE ROOM
- PROVIDE DUCTLESS OUTDOOR CONDENSER UNIT ON THE MAIN ROOF OF KITCHEN



(E) FIRE HYDRANT W/ BOLLARDS

(E) ELECTRICAL PULL BOX

(E) WALL MOUNTED LIGTHT FIXTURE

(E) SECURITY CAMERA

(E) GRATED CATCH BASIN COVER

1 (E) FIRE HYDRANT WITH TWO BOLLARDS TO REMAIN.
2 (E) ELECTRICAL PULL BOX OR PANEL TO REMAIN.
3 (E) UNDERGROUND ELECTRICAL CABLE AREA TO REMAIN.
4 (E) WALL MOUNTED LIGHT FIXTURE TO REMAIN.
5 (E) CONDUIT EXPANSION LOCATION.
6 (E) COMBINATION AIR RELEASE VALVE WITH TWO BOLLARDS TO REMAIN.
7 (E) SECURITY CAMERAS TO REMAIN.
8 (E) MAN HOLE COVER TO REMAIN.
9 (E) GRATED CATCH BASIN COVER TO REMAIN. 1

1 SITE PLAN - AREAS OF WORK
SCALE: 1"=50'-0"

NO.	DATE:	BY:	REMARKS:
1	11-11-24	JTC	PLAN CHECK RESUBMITTAL-PLANNING
2	02-04-25	JTC	BID SET

Editing Date : 1 / 15 / 2025 // 1:43 – Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

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E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

LICENSED ARCHITECT
NHE HUANG QUEK
C-33750
REN. 08-31-25
STATE OF CALIFORNIA

CONSULTANT :

BID SET

TITLE:

SITE PLAN-
AREAS OF NEW WORK

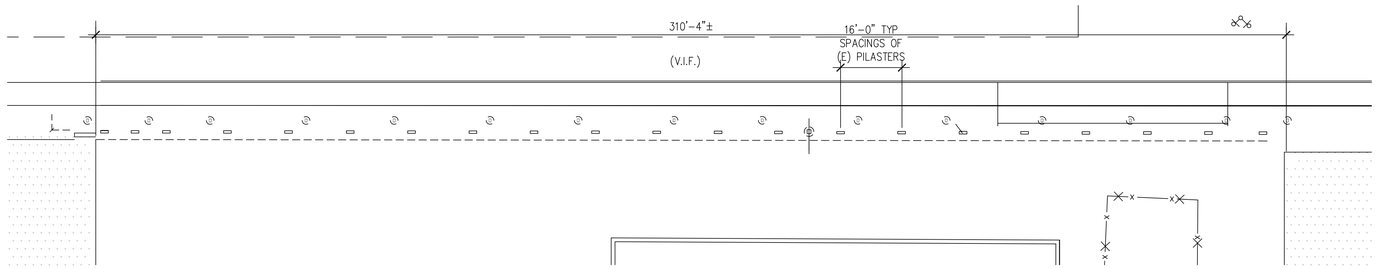
SCALE:	AS SHOWN
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ
SHEET NUMBER:	

1 A-1.01A

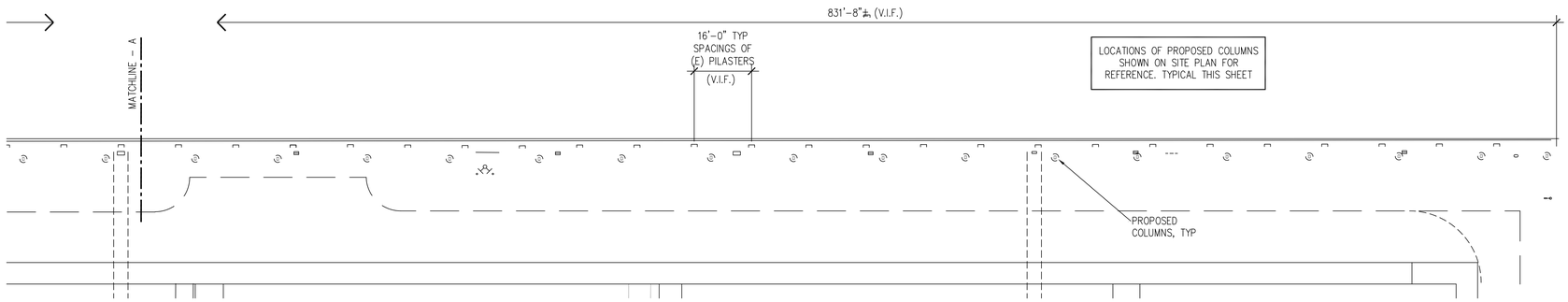
- **DETAIL**
SCALE:

- **DETAIL**
SCALE:

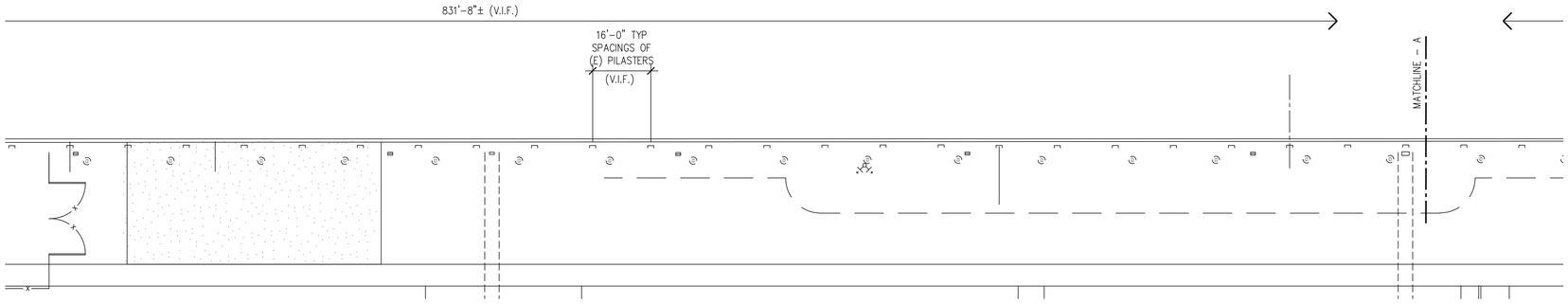
- **DETAIL**
SCALE:



3 **INTERIOR NORTH SECURITY PLAN (WALL B) - EXISTING**
SCALE: 1/16"=1'-0"



2 **PARTIAL EXTERIOR WEST SECURITY PLAN (WALL A) - EXISTING**
SCALE: 1/16"=1'-0"



1 **PARTIAL EXTERIOR WEST SECURITY PLAN (WALL A) - EXISTING**
SCALE: 1/16"=1'-0"

EROSION NOTES:

1. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ONSITE OR STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
2. EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE OWNER.
3. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40 PERCENT.
4. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS, AND BASINS.
5. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE TO BE DIRECTED TOWARD DESILTING FACILITIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE AND TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.

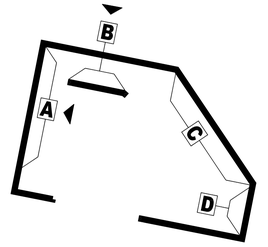
GENERAL NOTES:

1. CONTRACTOR SHALL PERFORM GROUND PENETRATING RADAR TEST BEFORE COMMENCING WORK. DOCUMENT ALL UTILITY LINES THROUGH AS-BUILT PROCESS. INFORM THE ARCHITECT OF FINDINGS.
2. PROTECT AT ALL COST EXISTING STRUCTURES, SURFACES, ON-SITE EQUIPMENTS, ETC DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED DUE TO NEGLIGENCE AND OR AS RESULT OF NOT FURTHER INVESTIGATING OR FAMILIARIZING HIMSELF WITH ALL AREAS INVOLVED (NOT ONLY LIMITED TO WORK AREAS)
3. DO NOT BLOCK ANY INGRESS OR EGRESS PATHWAY OF STRUCTURE. PROVIDE A CLEAR AND UNOBSTRUCTED PATH OF TRAVEL DEEMED SAFE AS AN ALTERNATIVE WAY TO AND FROM BUILDING ENTRANCES, IF NECESSARY
4. SUBMIT CONSTRUCTION SAFETY PLAN TO OWNER FOR REVIEW AND APPROVAL
5. VERIFY LOCATION FOR APPROVAL WITH OWNER FOR STAGING AREA AS REQUIRED FOR TEMPORARY STORAGE OF DEBRIS REMOVED AND STORAGE FOR SUPPLY OF MATERIALS. CONTRACTOR TO PATCH & REPAIR ANY DAMAGED PORTION OF AFFECTED AREA AS A RESULT OF TEMPORARY STAGING AREA
6. ALL CONCRETE CURB AND GUTTER FLOWLINES WITH LESS THAN ONE PERCENT SHALL BE WATER TESTED PRIOR TO FINAL FINISHING TO ENSURE PROPER DRAINAGE W/O UNACCEPTABLE HIGH OR LOW SPOTS.

   COORDINATE WITH THE OWNER TO ACQUIRE AN ENCROACHMENT PERMIT (IF APPLICABLE) TO PERFORM WORK WITHIN THE STREET/COMMON PARKING RIGHT-OF-WAY
8. ALL UTILITY TRENCH BACKFILL AND COMPACTION INSPECTION BE PERFORMED IN ACCORDANCE WITH STATE AND FEDERAL rEGULATIONS.
9. ALL DAMAGED CONCRETE SIDEWALKS OR CURBS SHALL BE SAW CUT TO THE NEAREST TRANSVERSE SCORE MARK, OR ADJUSTABLE CONTROL JOINT, OR WEAKENED PLANE JOINT AND REPLACED IN CON FORMANCE WITH THE LATEST STANDARDS.
10. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST-FREE, AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE OWNER. THE ADJACENT AREAS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN-UP ON ADJACENT STREETS AFFECTED CONSTRUCTION. METHOD OFSTREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BLDG MATERIALS WILL BE ALLOWED WITHIN THE STREET RIGHT-OF-WAY WITHOUT THE PERMISSION OF THE OWNER.
11. TRAFFIC FLOWS SHALL BE MAINTAINED AT ALL TIMES AND PROTECTED WITH ADEQUATE BARRICADES, LIGHTS, SIGNS, ANDWARNING DEVICES IN ACCORDANCE WITH THE CURRENT STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, TRAFFIC MANUAL AND TO OWNER.
12. IRRIGATION LINES SHALL BE REMOVED, RELOCATED OR RECONSTUTED AS NECESSARY, INSRTALL PER LATEST STANDARDS

ENVIRONMENTAL NOTES:

1. CONTRACTOR SHALL NOTIFY ALL OF HIS SUBCONTRACTORS THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
2. CONTRACTOR SHALL MAINTAIN CONSTRUCTION SITE IN SUCH CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANT, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINTS FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR, OR BATTERY FLUIDS FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; AND SUPERCHLORINATED POTABLE WATER LINE FLUSHINGS.
3. DURING CONSTRUCTION, CONTRACTOR SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
4. DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUNDWATER REQUIRES AN APPROVAL FROM THE OWNER.



KEY PLAN

NO.	DATE:	BY:	REMARKS:
1	5-10-24	JTC	PLAN CHECK SUBMITTAL-BLDG & PLANNING
2	6-14-24	JTC	PLAN CHECK RESUBMITTAL-BLDG
4	11-11-24	JTC	PLAN CHECK RESUBMITTAL-PLANNING
5	02-05-25	JTC	BID SET

Editing Date : 1 / 15 / 2025 // 14:19 - Emmanuel Perez

LOS ANGELES COUNTY
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ALHAMBRA, CA 91803

PROJECT :

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SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230,
PCS ID:2241

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SEAL :

LICENSED ARCHITECT
NG HUANG QUEK
C-33750
REN. 08-30-25
STATE OF CALIFORNIA

CONSULTANT :

BID SET

TITLE:

PARTIAL ENLARGED SITE PLANS - EXISTING FOR REFERENCE

SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ

SHEET NUMBER:

A-1.02

DETAIL
SCALE:

DETAIL
SCALE:

DETAIL
SCALE:

EROSION NOTES:

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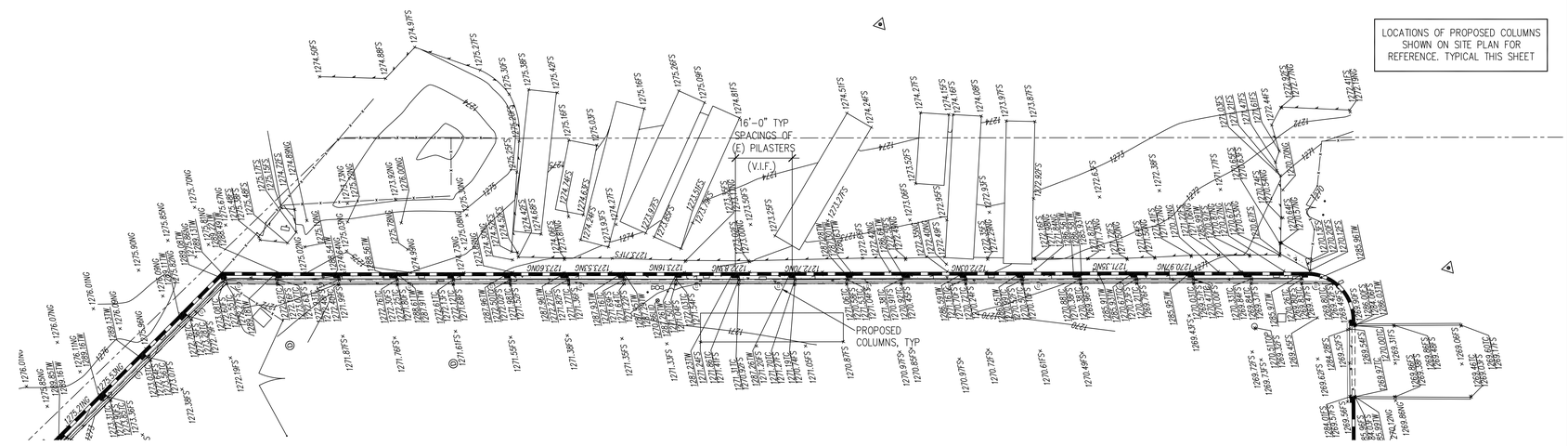
5. VERIFY LOCATION FOR APPROVAL WITH OWNER FOR STAGING AREA AS REQUIRED FOR TEMPORARY STORAGE OF DEBRIS REMOVED AND STORAGE FOR SUPPLY OF MATERIALS. CONTRACTOR TO PATCH & REPAIR ANY DAMAGED PORTION OF AFFECTED AREA AS A RESULT OF TEMPORARY STAGING AREA
6. ALL CONCRETE CURB AND GUTTER FLOWLINES WITH LESS THAN ONE PERCENT SHALL BE WATER TESTED PRIOR TO FINAL FINISHING TO ENSURE PROPER DRAINAGE W/O UNACCEPTABLE HIGH OR LOW SPOTS.

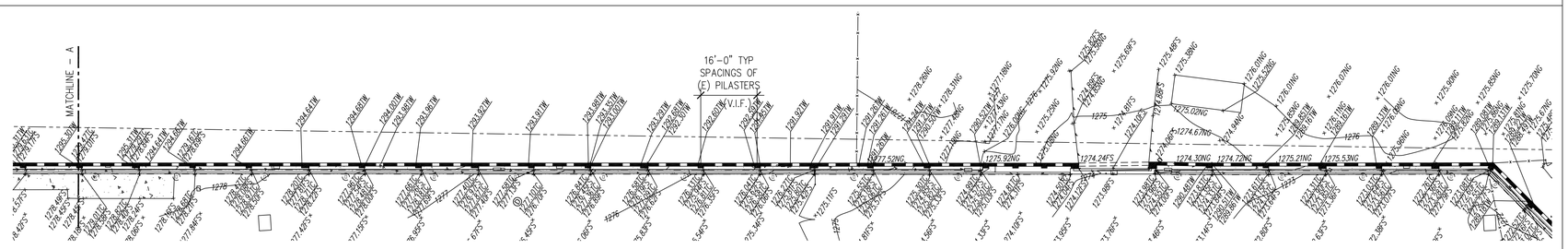
   COORDINATE WITH THE OWNER TO ACQUIRE AN ENCROACHMENT PERMIT (IF APPLICABLE) TO PERFORM WORK WITHIN THE STREET/COMMON PARKING RIGHT–OF–WAY
8. ALL UTILITY TRENCH BACKFILL AND COMPACTION INSPECTION BE PERFORMED IN ACCORDANCE WITH STATE AND FEDERAL rEGULATIONS.
9. ALL DAMAGED CONCRETE SIDEWALKS OR CURBS SHALL BE SAW CUT TO THE NEAREST TRANSVERSE SCORE MARK, OR ADJUSTABLE CONTROL JOINT, OR WEAKENED PLANE JOINT AND REPLACED IN CON FORMANCE WITH THE LATEST STANDARDS.
10. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST–FREE, AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE OWNER. THE ADJACENT AREAS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN–UP ON ADJACENT STREETS AFFECTED CONSTRUCTION. METHOD OFSTREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BLDG MATERIALS WILL BE ALLOWED WITHIN THE STREET RIGHT–OF–WAY WITHOUT THE PERMISSION OF THE OWNER.
11. TRAFFIC FLOWS SHALL BE MAINTAINED AT ALL TIMES AND PROTECTED WITH ADEQUATE BARRICADES, LIGHTS, SIGNS, ANDWARNING DEVICES IN ACCORDANCE WITH THE CURRENT STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, TRAFFIC MANUAL AND TO OWNER.
12. IRRIGATION LINES SHALL BE REMOVED, RELOCATED OR RECONSTUTED AS NECESSARY, INSRTALL PER LATEST STANDARDS

ENVIRONMENTAL NOTES:

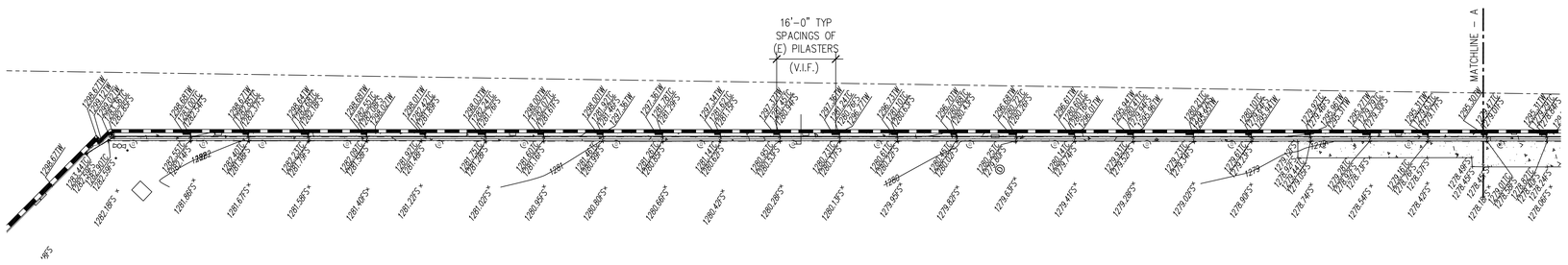
1. CONTRACTOR SHALL NOTIFY ALL OF HIS SUBCONTRACTORS THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
2. CONTRACTOR SHALL MAINTAIN CONSTRUCTION SITE IN SUCH CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANT, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINTS FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR, OR BATTERY FLUIDS FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; AND SUPERCHLORINATED POTABLE WATER LINE FLUSHINGS.
3. DURING CONSTRUCTION, CONTRACTOR SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON–SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
4. DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON–CONTAMINATED GROUNDWATER REQUIRES AN APPROVAL FROM THE OWNER.



3 EXTERIOR EAST SECURITY PLAN (WALL D) - EXISTING
SCALE: 1/16"=1'-0"



2 PARTIAL EXTERIOR EAST SECURITY PLAN (WALL C) - EXISTING
SCALE: 1/16"=1'-0"



1 PARTIAL EXTERIOR EAST SECURITY PLAN (WALL C) - EXISTING
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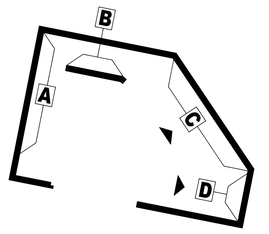


KEY PLAN

NO.	DATE:	BY:	REMARKS:
1	5–10–24	JTC	PLAN CHECK SUBMITTAL–BLDG & PLANNING
2	6–14–24	JTC	PLAN CHECK RESUBMITTAL–BLDG
3	11–11–24	JTC	PLAN CHECK RESUBMITTAL–PLANNING
4	02–04–25	JTC	BID SET

Editing Date : 1 / 15 / 2025 // 1:43 – Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIRDOF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230,
PCS ID:2241

LOCATION :

16350 FILBERT STREET,
SYLMAR, CA 91342

ARCHITECT :

JTC architects, inc.
65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

LICENSED ARCHITECT
NEIL HUANG QUEK
C-33750
REN. 06-30-25
STATE OF CALIFORNIA

CONSULTANT :

BID SET

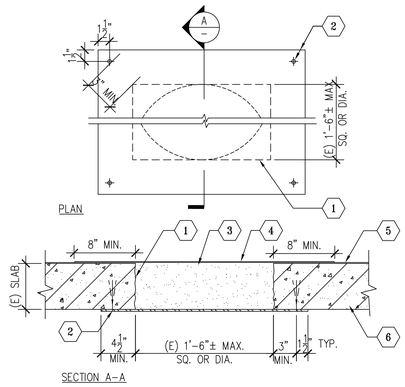
TITLE:

PARTIAL ENLARGED SITE PLANS - EXISTING FOR REFERENCE

SCALE:	AS NOTED
DATE:	02–04–25
DRAWN BY:	JY, EP
CHECKED BY:	JQ

SHEET NUMBER:

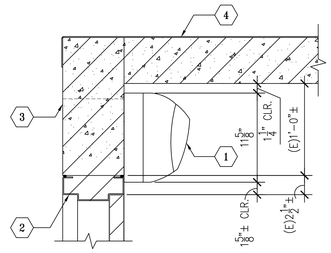
A-1.03



REFERENCE NOTES

1. ROUGHEN (E) CONCRETE TO ¼" AMPLITUDE.
2. NEW ⅜" GALVANIZED STEEL PLATE W/ ½"ø HILTI KB-TZ2 ANCHOR (2-1/2" NOMINAL EMBED) PER ICC ESR-4266.
3. PROVIDE NON-SHRINK GROUT INFILL LEVEL WITH (E) ROOF SLAB.
4. PROVIDE SINGLE-PLY ROOFING OVER INFILL OPENING. COLOR AND MATERIAL TO MATCH (E).
5. (E) SINGLE-PLY ROOFING TO REMAIN.
6. (E) ROOF SLAB TO REMAIN.

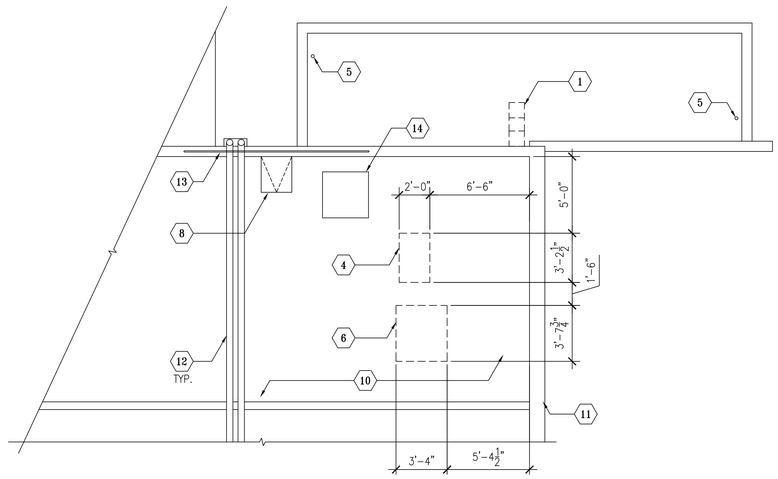
5 ROOF SLAB PATCHING DETAIL
SCALE: 1-1/2"=1'-0"



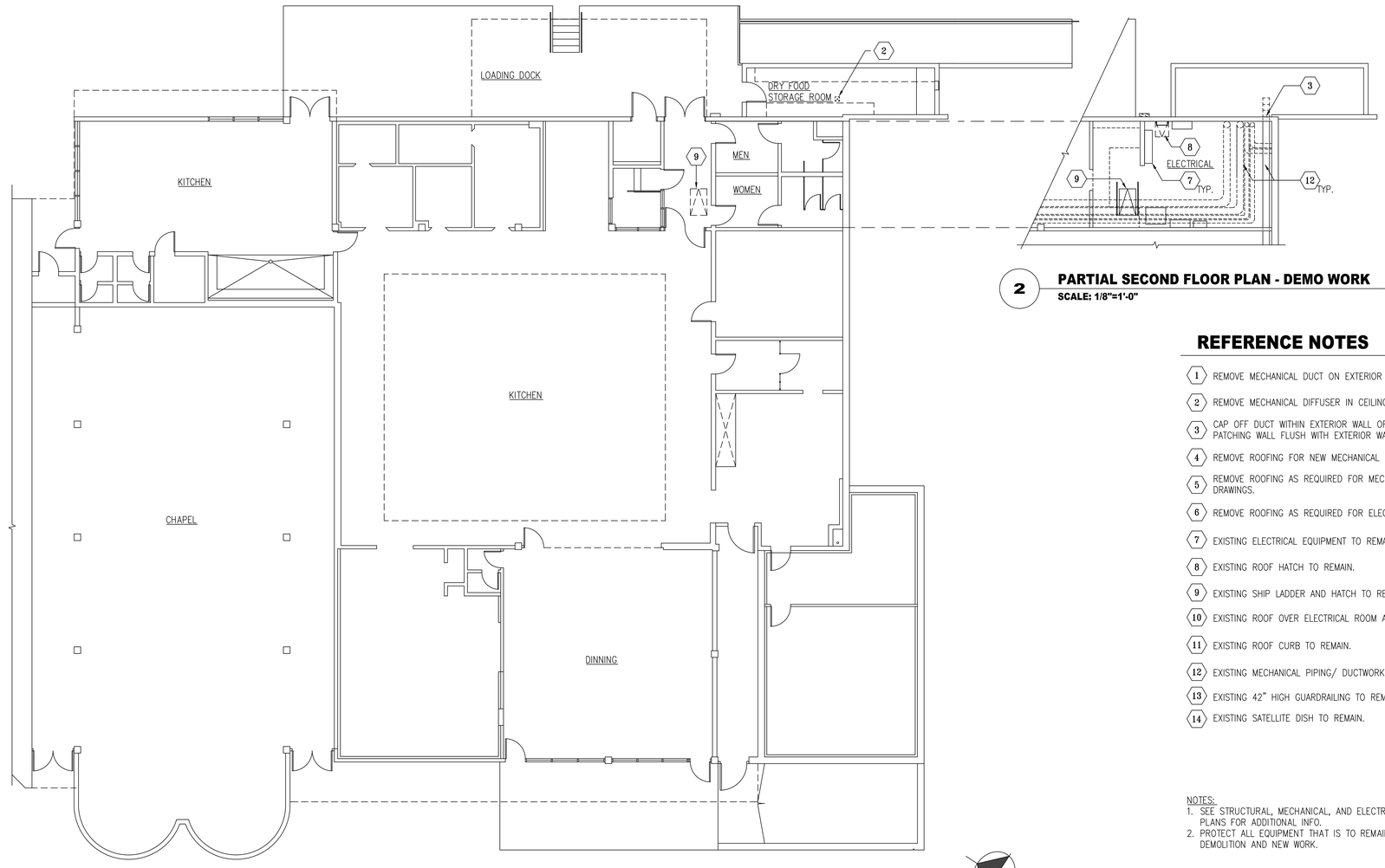
REFERENCE NOTES

1. NEW WALL-MOUNT FAN COIL UNIT, SET BOTTOM OF UNIT TO CLEAR (E) DOOR. ANCHORAGE PER MANUFACTURER. SEE MECHANICAL DRAWINGS.
2. (E) DOOR FRAME TO REMAIN
3. (E) CONCRETE BLOCK WALL TO REMAIN.
4. (E) ROOF SLAB TO REMAIN.

4 FAN COIL UNIT DETAIL
SCALE: 1-1/2"=1'-0"



3 PARTIAL ROOF PLAN - DEMO WORK
SCALE: 1/4"=1'-0"



2 PARTIAL SECOND FLOOR PLAN - DEMO WORK
SCALE: 1/8"=1'-0"

REFERENCE NOTES

1. REMOVE MECHANICAL DUCT ON EXTERIOR OF BUILDING, SEE MECHANICAL.
2. REMOVE MECHANICAL DIFFUSER IN CEILING, SEE MECHANICAL.
3. CAP OFF DUCT WITHIN EXTERIOR WALL OF BUILDING. ALLOW SPACE FOR PATCHING WALL FLUSH WITH EXTERIOR WALL SURFACE.
4. REMOVE ROOFING FOR NEW MECHANICAL EQUIPMENT PAD.
5. REMOVE ROOFING AS REQUIRED FOR MECHANICAL PIPING, SEE MECHANICAL DRAWINGS.
6. REMOVE ROOFING AS REQUIRED FOR ELECTRICAL DISCONNECT SWITCH.
7. EXISTING ELECTRICAL EQUIPMENT TO REMAIN, SEE ELECTRICAL.
8. EXISTING ROOF HATCH TO REMAIN.
9. EXISTING SHIP LADDER AND HATCH TO REMAIN.
10. EXISTING ROOF OVER ELECTRICAL ROOM AREA TO REMAIN.
11. EXISTING ROOF CURB TO REMAIN.
12. EXISTING MECHANICAL PIPING/ DUCTWORK TO REMAIN. SEE MECHANICAL.
13. EXISTING 42" HIGH GUARDRAILING TO REMAIN.
14. EXISTING SATELLITE DISH TO REMAIN.

NOTES:
1. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL, PLANS FOR ADDITIONAL INFO.
2. PROTECT ALL EQUIPMENT THAT IS TO REMAIN DURING DEMOLITION AND NEW WORK.

1 FIRST FLOOR PLAN - DEMO WORK
SCALE: 1/8"=1'-0"

NO.	DATE:	BY:	REMARKS:
1	5-10-24	JTC	PLAN CHECK SUBMITTAL-BLDG & PLANNING
2	6-14-24	JTC	PLAN CHECK RESUBMITTAL-BLDG
3	11-11-24	JTC	PLAN CHECK RESUBMITTAL-PLANNING
4	02-04025	JTC	BID SET
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Editing Date : 1 / 15 / 2025 // 144 - Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
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PROJECT :

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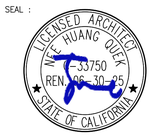
JTC PROJECT NO: **37603.0D**

SEAL :



CONSULTANT :

BID SET

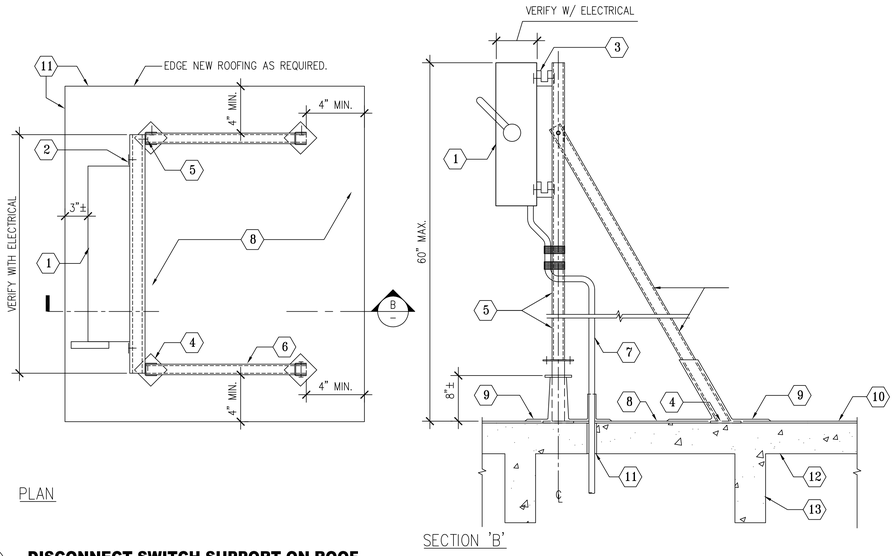
TITLE:

BLDG #5 - KITCHEN / DINING / CHAPEL - FLOOR & ROOF PLANS - DEMO WORK

SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ

SHEET NUMBER:

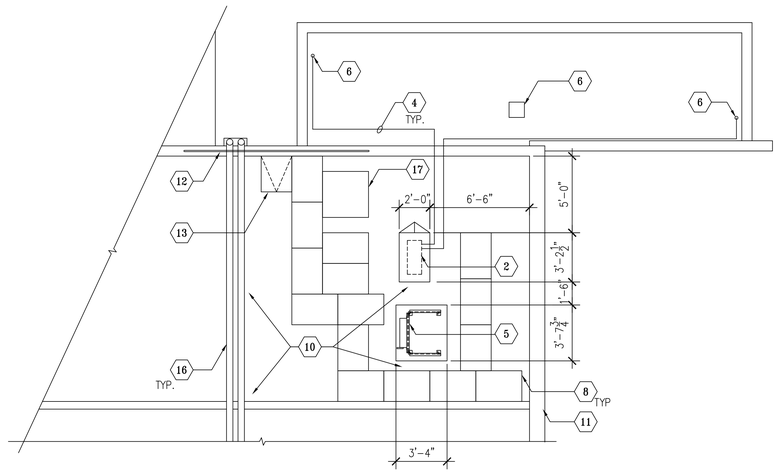
AD-2.01



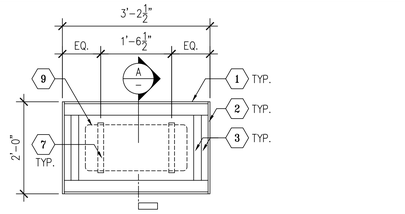
REFERENCE NOTES

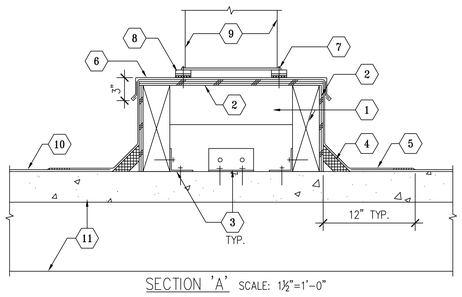
1. DISCONNECT SWITCH IN NEMA 3R MAX. 20–LB (TYP.)
2. 3/8"ø GALVANIZED BOLT, NUT, & LOCK WASHER THROUGH PRE–PUNCHED HOLES TO UNISTRUT. (TYP.)
3. UNI–STRUT CHANNEL (TYP.)
4. GALVANIZED PLATE AND ANCHORAGE PER STRUCTURAL.
5. UNISTRUT SUPPORT PER STRUCTURAL. (TYP.)
6. UNSTRUT DIAGONIAL BRACING, SEE STRUCTURAL.
7. ELECTRICAL CONDUIT, SEE ELECTRICAL (TYP.)
8. NEW ROOFING TO MATCH EXISTING. (TYP.)
9. ROOF SEALANT/ MEMBRANE PER MANUFACTURER'S STANDARD, AND SEE 6 (TYP.).
10. EXISTING ROOF MEMBRANE TO REMAIN.
11. NEW FIRE–RESISTANT CAULKING AROUND CONDUIT OPENING.
12. EXISTING CONCRETE ROOF SLAB TO REMAIN.
13. EXISTING CONCRETE ROOF JOISTS @ 2'–6" C/C TO REMAIN.

4 DISCONNECT SWITCH SUPPORT ON ROOF
SCALE: N.T.S.



3 PARTIAL ROOF PLAN - NEW WORK
SCALE: 1/4"=1'–0"

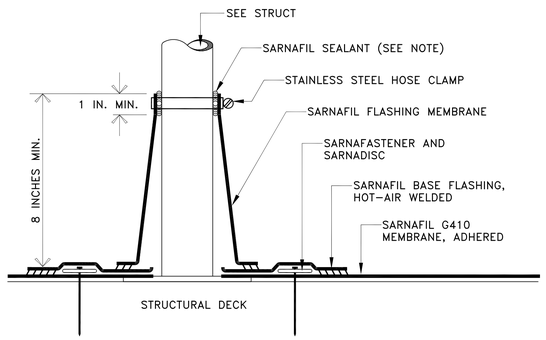




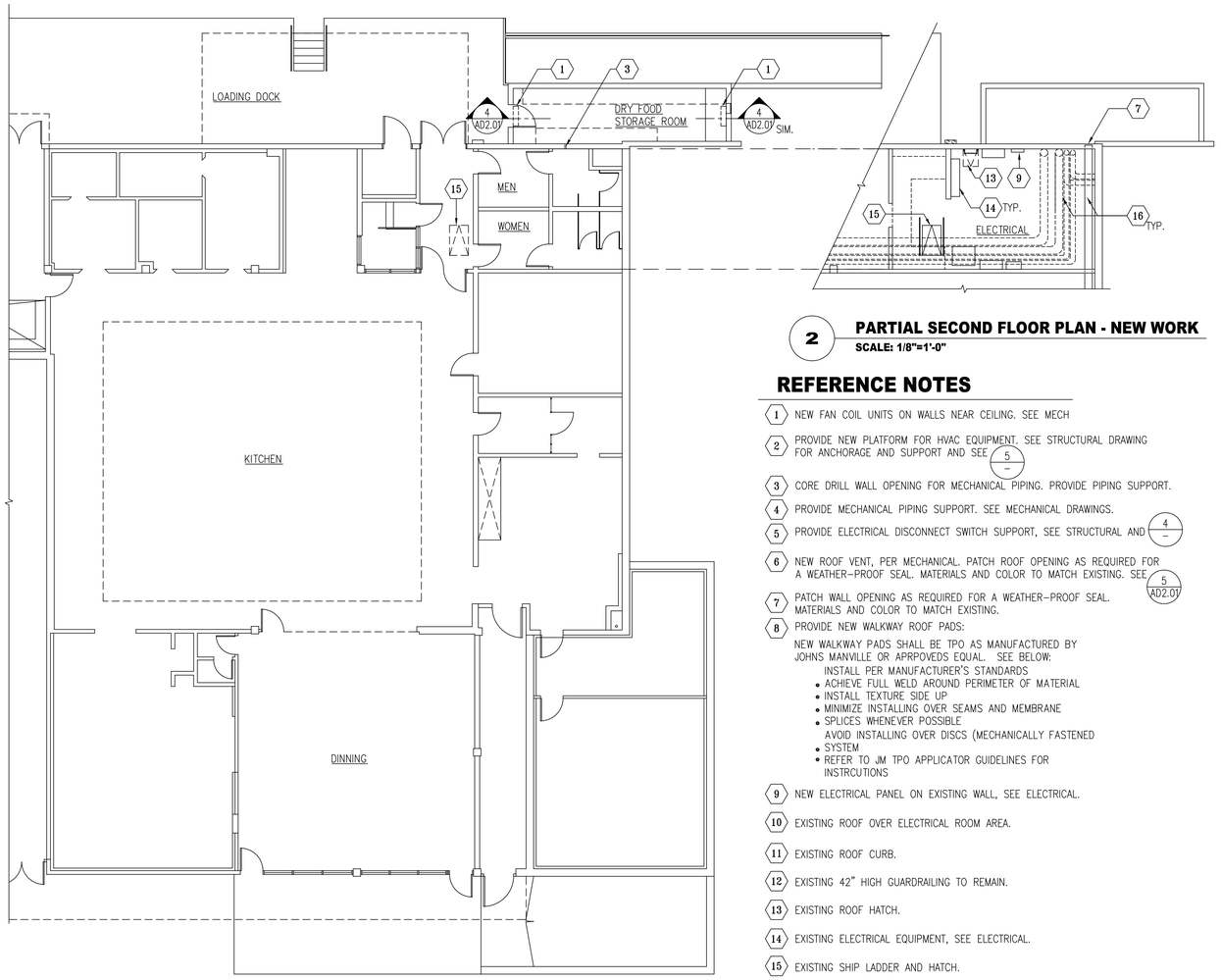
REFERENCE NOTES

1. 4x WD. FRAME, SEE STRUCTURAL.
2. ½" THK. PLYWD SHEATHING, ANCHORAGE, SEE STRUCTURAL.
3. FRAMING AND ANCHORAGE, SEE STRUCTURAL.
4. CANT STRIP, PROVIDE CRICKET AS REQUIRED FOR WATER DRAINAGE AWAY FROM PLATFORM.
5. NEW ROOFING TO MATCH EXISTING, TURN UP OVER TOP OF PLATFORM & LAP OVER EXISTING.
6. NEW 24 GA. SHEET METAL COVER OVER PLATFORM, COLOR TO MATCH EXISTING PLATFORMS.
7. CONDENSING UNIT MOUNTING EXTENSION/STRAP. SECURE TO 4x PER MANUFACTURER'S RECOMMENDATIONS.
8. PROVIDE NEOPRENE PAD PER MECHANICAL BETWEEN CONNECTOR & METAL PLATFORM.
9. CONDENSING UNIT, SEE MECHANICAL.
10. (E) ROOF SHEATHING.
11. (E) CONCRETE ROOF SLAB OVER (E) CONCRETE JOISTS.

5 CONDENSING UNIT PLATFORM
SCALE: AS SHOWN



6 DETAIL
SCALE: N.T.S.



1 PARTIAL FIRST FLOOR PLAN - NEW WORK
SCALE: 1/8"=1'–0"

2 PARTIAL SECOND FLOOR PLAN - NEW WORK
SCALE: 1/8"=1'–0"

REFERENCE NOTES

1. NEW FAN COIL UNITS ON WALLS NEAR CEILING. SEE MECH
2. PROVIDE NEW PLATFORM FOR HVAC EQUIPMENT. SEE STRUCTURAL DRAWING FOR ANCHORAGE AND SUPPORT AND SEE 5
3. CORE DRILL WALL OPENING FOR MECHANICAL PIPING. PROVIDE PIPING SUPPORT.
4. PROVIDE MECHANICAL PIPING SUPPORT. SEE MECHANICAL DRAWINGS.
5. PROVIDE ELECTRICAL DISCONNECT SWITCH SUPPORT, SEE STRUCTURAL AND 4
6. NEW ROOF VENT, PER MECHANICAL. PATCH ROOF OPENING AS REQUIRED FOR A WEATHER–PROOF SEAL. MATERIALS AND COLOR TO MATCH EXISTING. SEE 5 AD2.01
7. PATCH WALL OPENING AS REQUIRED FOR A WEATHER–PROOF SEAL. MATERIALS AND COLOR TO MATCH EXISTING.
8. PROVIDE NEW WALKWAY ROOF PADS:
   NEW WALKWAY PADS SHALL BE TPO AS MANUFACTURED BY JOHNS MANVILLE OR APPROVEDS EQUAL. SEE BELOW:
   INSTALL PER MANUFACTURER'S STANDARDS
   - ACHIEVE FULL WELD AROUND PERIMETER OF MATERIAL
   - INSTALL TEXTURE SIDE UP
   - MINIMIZE INSTALLING OVER SEAMS AND MEMBRANE
   - SPLICES WHENEVER POSSIBLE
     AVOID INSTALLING OVER DISCS (MECHANICALLY FASTENED
   - SYSTEM
   - REFER TO JM TPO APPLICATOR GUIDELINES FOR INSTRCUTIONS
9. NEW ELECTRICAL PANEL ON EXISTING WALL, SEE ELECTRICAL.
10. EXISTING ROOF OVER ELECTRICAL ROOM AREA.
11. EXISTING ROOF CURB.
12. EXISTING 42" HIGH GUARDRAILING TO REMAIN.
13. EXISTING ROOF HATCH.
14. EXISTING ELECTRICAL EQUIPMENT, SEE ELECTRICAL.
15. EXISTING SHIP LADDER AND HATCH.
16. EXISTING MECHANICAL PIPING/ DUCTWORK, SEE MECHANICAL.
17. EXISTING SATELLITE DISH TO REMAIN.

NOTES:
1. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL, PLANS FOR ADDITIONAL INFO.

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4	02–04–25	JTC	BID SET
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Editing Date : 1 / 15 / 2025 // 143 – Emmanuel Perez

LOS ANGELES COUNTY
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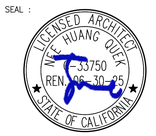


CONSULTANT :

BID SET

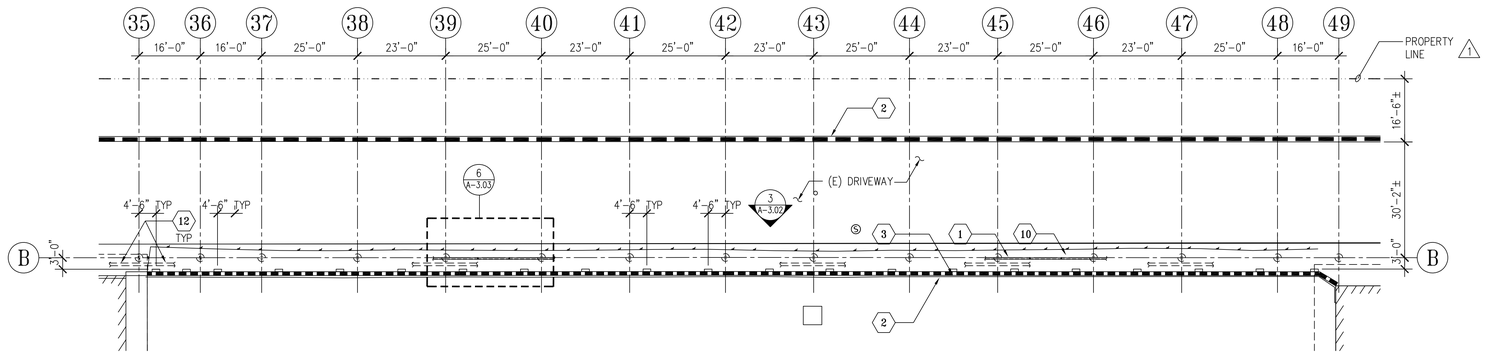
TITLE:

BLDG #5 - KITCHEN / DINING / CHAPEL - FLOOR & ROOF PLANS - NEW WORK

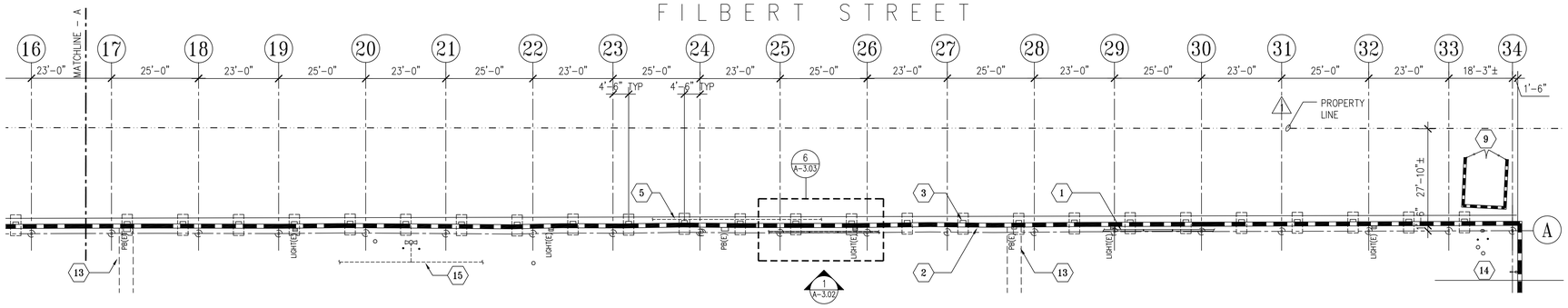
SCALE:	AS NOTED
DATE:	02–04–25
DRAWN BY:	JY, EP
CHECKED BY:	JQ

SHEET NUMBER:

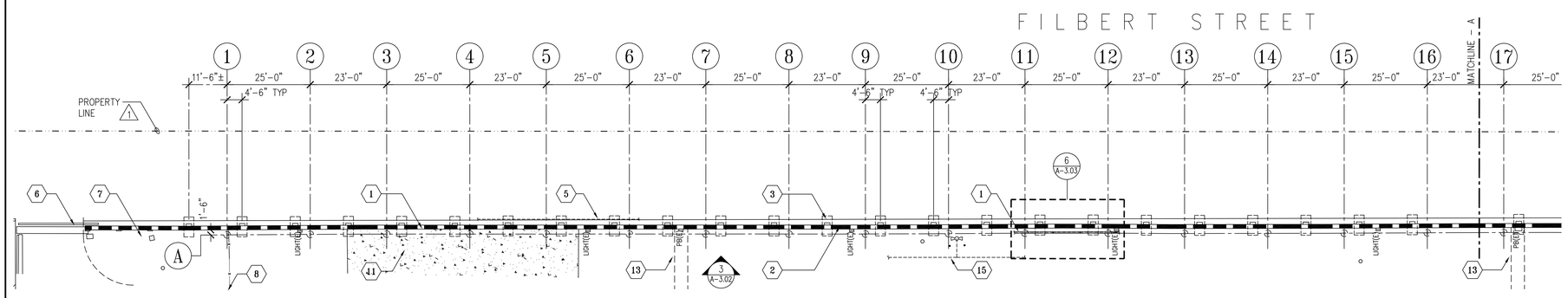
A-2.01



3 INTERIOR NORTH SECURITY PLAN (WALL B) - NEW WORK
SCALE: 1/16"=1'-0"



2 PARTIAL EXTERIOR WEST SECURITY PLAN (WALL A) - NEW WORK
SCALE: 1/16"=1'-0"



1 PARTIAL EXTERIOR WEST SECURITY PLAN (WALL A) - NEW WORK
SCALE: 1/16"=1'-0"

LEGEND:

- (E) FIRE HYDRANT W/ BOLLARDS
- DPB(E) (E) ELECTRICAL PULL BOX
- BLIGHT(E) (E) WALL MOUNTED LIGTHT FIXTURE
- (E) SECURITY CAMERA

REFERENCE NOTES:

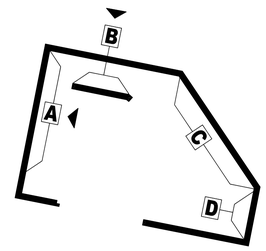
1. (N) SECURITY WIRE MESH ON STEEL FRAME SUPPORT SYSTEM (12' MIN ABOVE WALL). SEE STRUCT
2. (E) CONCRETE MASONRY BLOCK WALLS
3. (E) CONCRETE MASONRY BLOCK PILASTERS
4. (E) FINISHED SURFACE
5. REMOVE (E) RAZOR WIRE AND SUPPORT IN THEIR ENTIRETY. CUT AND GRIND SMOOTH ALL CONNECTORS FLUSHED WITH TOP OR SIDE OF WALLS
6. (E) MOTORIZED STEEL GATE
7. (E) OVERHEAD HOUSING WITH STEEL SUPPORTS
8. (E) CHAINLINK FENCE BARRIER
9. (E) TRASH ENCLOSURE
10. (E) CONCRETE APRON BELOW
11. (E) CONCRETE SLAB ON GRADE BELOW
12. (E) CHW LINES ON METAL SUPPORTS TO REMAIN. PROTECT-IN-PLACE DURING CONSTRUCTION. CONTRACTOR TO REPLACE AT NO COST TO OWNER DUE TO NEGLIGENCE
13. (E) UNDERGROUND ELECTRICAL CABLE AREA TO REMAIN
14. (E) UTILITY READOUT/METER. PROTECT-IN-PLACE DURING CONSTRUCTION
15. (E) UNDERGFROOUND WATER LINE SHOWN DASHED FOR REFERENCE. LOCATE LINES AS REQUIRED FOR REFERENCE

GENERAL NOTES:

1. CONTRACTOR SHALL PERFORM GROUND PENETRATING RADAR TEST BEFORE COMMENCING WORK. DOCUMENT ALL UTILITY LINES THROUGH AS-BUILT PROCESS. NOTIFY OWNER AND ARCHITECT FOR ANY CONFLICTS DUE TO FINDINGS AGAINST DESIGN INTENT.
2. PROTECT AT ALL COST EXISTING STRUCTURES, SURFACES, ON-SITE EQUIPMENTS, ETC DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED DUE TO NEGLIGENCE AND OR AS RESULT OF NOT FURTHER INVESTIGATING OR FAMILIARIZING HIMSELF WITH ALL AREAS INVOLVED (NOT ONLY LIMITED TO WORK AREAS)
3. DO NOT BLOCK ANY INGRESS OR EGRESS PATHWAY OF STRUCTURE. PROVIDE A CLEAR AND UNOBSTRUCTED PATH OF TRAVEL DEEMED SAFE AS AN ALTERNATIVE WAY TO AND FROM BUILDING ENTRANCES, IF NECESSARY
4. SUBMIT CONSTRUCTION SAFETY PLAN TO OWNER FOR REVIEW AND APPROVAL
6. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFO ON UTILITIES, ITEMS ON WALLS (I.E. LIGHTY, CAMERAS, ETC.).
7. EXTREME CAUTION SHALL BE EXERCISED WHEN WORKING AROUND HIGH/LOW VOLTAGE ELEC CONDUITS ON BLOCK WALLS. REFER TO NOTE 4 ABOVE ON SAFETY PLAN SUBMITTAL REQUIREMENT

NOTES OF IMPORTANCE:

1. DURING BID PHASE, SUBMIT THRU RFIs ITEMS WHICH ARE QUESTIONABLE EITHER TO BE REMOVED THEN REINSTALL OR TO REMAIN IN PLACE. IF NECESSARY, BIDDERS CAN REQUEST FOR A 2ND WALK-THRU TO ELIMINATE CHANGE ORDERS DURING CONSTRUCTION PHASE.
2. CONTRACTOR SHALL COORDINATE WITH OWNER ANY UTILITIES/FIXTURES THAT NEED TO BE REMOVED AND RELOCATED TO ALLOW FOR STEEL FRAME AND COLUMN CONSTRUCTION.
3. EXISTING LIGHT FIXTURES BEHIND PROPOSED NETTING PANELS SHALL BE RELOCATED BELOW HORIZONTAL STEEL FRAMES (REFER TO A-3.02 AND A-3.02A FOR WALL ELEVATIONS). MODIFY EXISTING METAL WALL COVERS FOR CONDUITS AND ALL AFFECTED ACCESSORIES AT THEIR NEW LOCATIONS.



KEY PLAN

NO.	DATE:	REMARKS:	BY:
1	5-10-24	PLAN CHECK SUBMITTAL-BLDG & PLANNING	JTC
2	6-14-24	PLAN CHECK RESUBMITTAL-BLDG	JTC
3	11-11-24	PLAN CHECK RESUBMITTAL-PLANNING	JTC
A	02-04-25	BID SET	JTC
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Editing Date : 1 / 15 / 2025 // 1:48 – Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIRDOF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230,
PCS ID:2241

LOCATION :

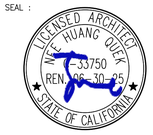
16350 FILBERT STREET,
SYLMAR, CA 91342

ARCHITECT :

JTC architects, inc.
65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :



CONSULTANT :

BID SET

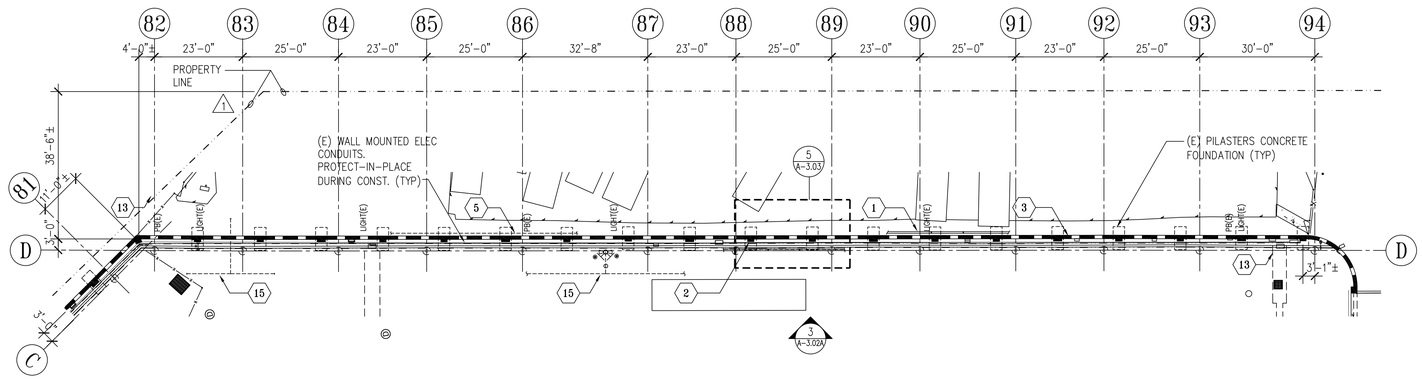
TITLE:

SECURITY WALL PLANS
(WALLS A AND B) - NEW WORK

SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ

SHEET NUMBER:

A-3.01



3 **EXTERIOR EAST SECURITY PLAN (WALL D) - NEW WORK**
SCALE: 1/16"=1'-0"

2 **PARTIAL EXTERIOR EAST SECURITY PLAN (WALL C) - NEW WORK**
SCALE: 1/16"=1'-0"

1 **PARTIAL EXTERIOR EAST SECURITY PLAN (WALL C) - NEW WORK**
SCALE: 1/16"=1'-0"

LEGEND:

- (E) FIRE HYDRANT W/ BOLLARDS
- DPB(E) (E) ELECTRICAL PULL BOX
- BLIGHT(E) (E) WALL MOUNTED LIGTHT FIXTURE
- (E) SECURITY CAMERA

REFERENCE NOTES:

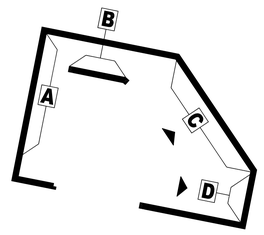
1. (N) SECURITY WIRE MESH ON STEEL FRAME SUPPORT SYSTEM (12' MIN ABOVE WALL). SEE STRUCT
2. (E) CONCRETE MASONRY BLOCK WALLS
3. (E) CONCRETE MASONRY BLOCK PILASTERS
4. (E) FINISHED SURFACE
5. (E) RAZOR WIRE TO REMAIN
6. (E) MOTORIZED STEEL GATE
7. (E) OVERHEAD HOUSING. PROTECT-IN-PLACE DURING CONSTTUCTION
8. (E) CHAINLINK FENCE BARRIER
9. (E) TRASH ENCLOSURE
10. (E) CONCRETE APRON BELOW
11. (E) CONCRETE SLAB ON GRADE BELOW
12. (E) CHW LINES ON METAL SUPPORTS TO REMAIN. PROTECT-IN-PLACE DURING CONSTRUCTION. CONTRACTOR TO REPLACE AT NO COST TO OWNER DUE TO NEGLIGENCE
13. (E) UNDERGROUND ELECTRICAL CABLE AREA TO REMAIN
14. (E) UTILITY READOUT/METER. PROTECT-IN-PLACE DURING CONSTRUCTION
15. (E) UNDERGFROOUND WATER LINE SHOWN DASHED FOR REFERENCE. LOCATE LINES AS REQUIRED FOR REFERENCE

GENERAL NOTES:

1. CONTRACTOR SHALL PERFORM GROUND PENETRATING RADAR TEST BEFORE COMMENCING WORK. DOCUMENT ALL UTILITY LINES THROUGH AS-BUILT PROCESS. NOTIFY OWNER AND ARCHITECT FOR ANY CONFLICTS DUE TO FINDINGS AGAINST DESIGN INTENT.
2. PROTECT AT ALL COST EXISTING STRUCTURES, SURFACES, ON-SITE EQUIPMENTS, ETC DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED DUE TO NEGLIGENCE AND OR AS RESULT OF NOT FURTHER INVESTIGATING OR FAMILIARIZING HIMSELF WITH ALL AREAS INVOLVED (NOT ONLY LIMITED TO WORK AREAS)
3. DO NOT BLOCK ANY INGRESS OR EGRESS PATHWAY OF STRUCTURE. PROVIDE A CLEAR AND UNOBSTRUCTED PATH OF TRAVEL DEEMED SAFE AS AN ALTERNATIVE WAY TO AND FROM BUILDING ENTRANCES, IF NECESSARY
4. SUBMIT CONSTRUCTION SAFETY PLAN TO OWNER FOR REVIEW AND APPROVAL
6. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFO ON UTILITIES, ITEMS ON WALLS (I.E. LIGHTY, CAMERAS, ETC.).
7. EXTREME CAUTION SHALL BE EXERCISED WHEN WORKING AROUND HIGH/LOW VOLTAGE ELEC CONDUITS ON BLOCK WALLS. REFER TO NOTE 4 ABOVE ON SAFETY PLAN SUBMITTAL REQUIREMENT

NOTES OF IMPORTANCE:

1. DURING BID PHASE, SUBMIT THRU RFIs ITEMS WHICH ARE QUESTIONABLE EITHER TO BE REMOVED THEN REINSTALL OR TO REMAIN IN PLACE. IF NECESSARY, BIDDERS CAN REQUEST FOR A 2ND WALK-THRU TO ELIMINATE CHANGE ORDERS DURING CONSTRUCTION PHASE.
2. CONTRACTOR SHALL COORDINATE WITH OWNER ANY UTILITIES/FIXTURES THAT NEED TO BE REMOVED AND RELOCATED TO ALLOW FOR STEEL FRAME AND COLUMN CONSTRUCTION.
3. EXISTING LIGHT FIXTURES BEHIND PROPOSED NETTING PANELS SHALL BE RELOCATED BELOW HORIZONTAL STEEL FRAMES (REFER TO A-3.02 AND A-3.02A FOR WALL ELEVATIONS). MODIFY EXISTING METAL WALL COVERS FOR CONDUITS AND ALL AFFECTED ACCESSORIES AT THEIR NEW LOCATIONS.



KEY PLAN

NO.	DATE:	BY:	REMARKS:
1	5-10-24	JTC	PLAN CHECK SUBMITTAL-BLDG & PLANNING
2	6-14-24	JTC	PLAN CHECK RESUBMITTAL-BLDG
3	11-11-24	JTC	PLAN CHECK RESUBMITTAL-PLANNING
4	02-04-25	JTC	BID SET

Editing Date : 1 / 15 / 2025 // 1:47 - Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIRDOF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230,
PCS ID:2241

LOCATION :

16350 FILBERT STREET,
SYLMAR, CA 91342

ARCHITECT :

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ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

LICENSED ARCHITECT
INEZ HUANG QUEK
C-33750
REN. 06-30-25
STATE OF CALIFORNIA

CONSULTANT :

BID SET

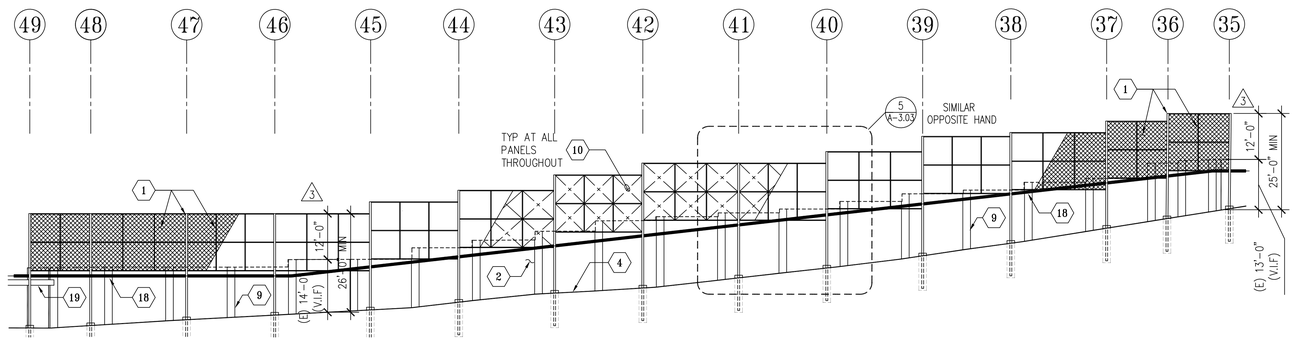
TITLE:

SECURITY WALL PLANS
(WALLS C ANBD D) - NEW WORK

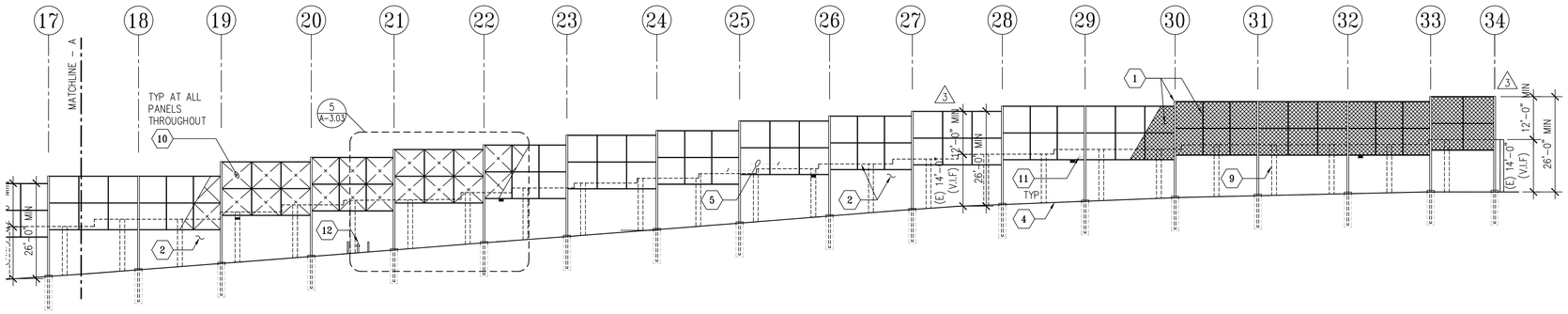
SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ

SHEET NUMBER:

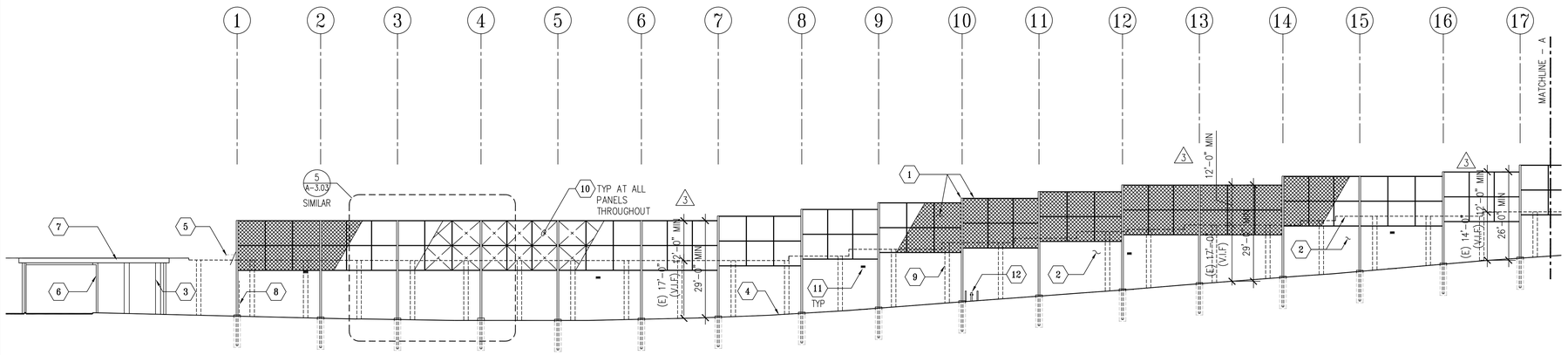
A-3.01A



3 **INTERIOR NORTH WALL SECURITY WALL ELEVATION (WALL B) - NEW WORK**
SCALE: 1/16"=1'-0"



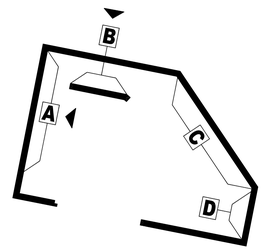
2 **PARTIAL EXTERIOR WEST SECURITY ELEVATION (WALL A) - NEW WORK**
SCALE: 1/16"=1'-0"



1 **PARTIAL EXTERIOR WEST SECURITY ELEVATION (WALL A) - NEW WORK**
SCALE: 1/16"=1'-0"

REFERENCE NOTES:

1. (N) SECURITY NYLON MESH ON STEEL FRAME SUPPORT SYSTEM (12' MIN ABOVE WALL). SEE STRUCT
2. (E) CONCRETE MASONRY BLOCK WALLS
3. (E) CONCRETE MASONRY BLOCK PILASTERS
4. (E) FINISHED SURFACE
5. (E) RAZOR WIRE TO REMAIN
6. (E) MOTORIZED STEEL GATE
7. (E) OVERHEAD HOUSING WITH STEEL SUPPORTS
8. (E) CHAINLINK FENCE BARRIER
9. (E) CONCRETE MASONRY BLOCK PILASTERS (ON OTHER SIDE SHOWN DASHED WHERE APPLIES FOR REFERENCE)
10. (N) AIRCRAFT CABLE DIAGONALLY PLACED AND SUPPORTED THRU EYE BOLTS. SEE 5/A3.03
11. (E) WALL MOUNTED LIGHT FIXTURE. RELOCATE AS NEEDED PER ELEVATIONS
12. (E) FIRE HYDRANT WITH STEEL BOLLARDS. PROTECT–IN–PLACE DURING CONSTRUCTION
13. (E) SECURITY CAMERA. PROTECT–IN–PLACE DURING CONSTRUCTION
14. (E) WALL ACCESSORIES (I.E. SENSORS, COMMUNICATION BOXES, ETC.) TO BE RELOCATED BELOW STEEL FRAME PANELS. COORDINATE WITH OWNER FOR EXTENT OF RELOCATION
15. (E) CONDUITS AND PULL BOXES. PROTECT–IN–PLACE DURING CONSTRUCTION
16. (E) CONCRETE CURB
17. (E) ALUMINUM COVER FOR CONDUITS. CUT AS NECESSARY FOR RELOCATION OF AFFECTED (E) LIGHT FIXTURES
18. (E) CHW LINES. PROTECT–IN–PLACE DURING CONSTRUCTION
19. (E) CONCRETE OVERHANG. PROTECT–IN–PLACE DURING CONSTRUCTION



KEY PLAN

NO.	DATE:	BY:	REMARKS:
1	5-10-24	JTC	PLAN CHECK SUBMITTAL–BLDG & PLANNING
2	6-14-24	JTC	PLAN CHECK RESUBMITTAL–BLDG
3	11-11-24	JTC	PLAN CHECK RESUBMITTAL–PLANNING
4	02-04-25	JTC	BID SET
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Editing Date : 1 / 15 / 2025 // 14:10 – Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIRDOF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230,
PCS ID:2241

LOCATION :

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JTC PROJECT NO: **37603.0D**

SEAL :

LICENSED ARCHITECT
NEE HUANG QUEK
C-33750
REN. 06-30-25
STATE OF CALIFORNIA

CONSULTANT :

BID SET

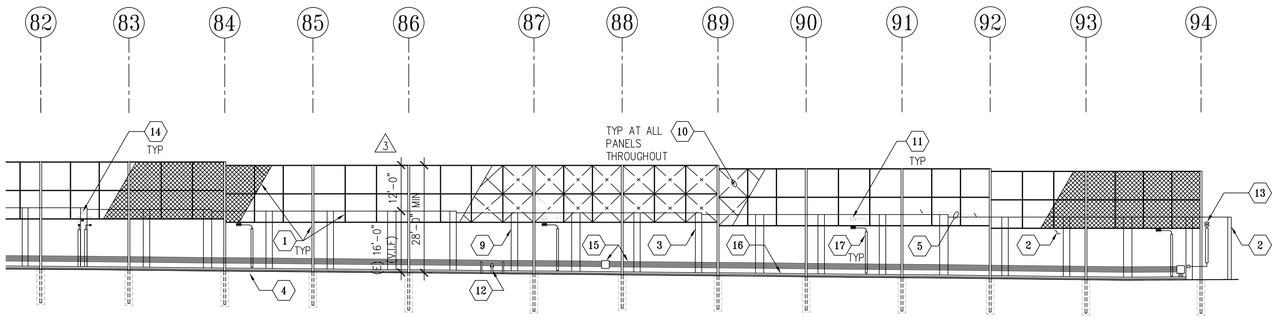
TITLE:

SECURITY WALL ELEVATIONS
NEW WORK

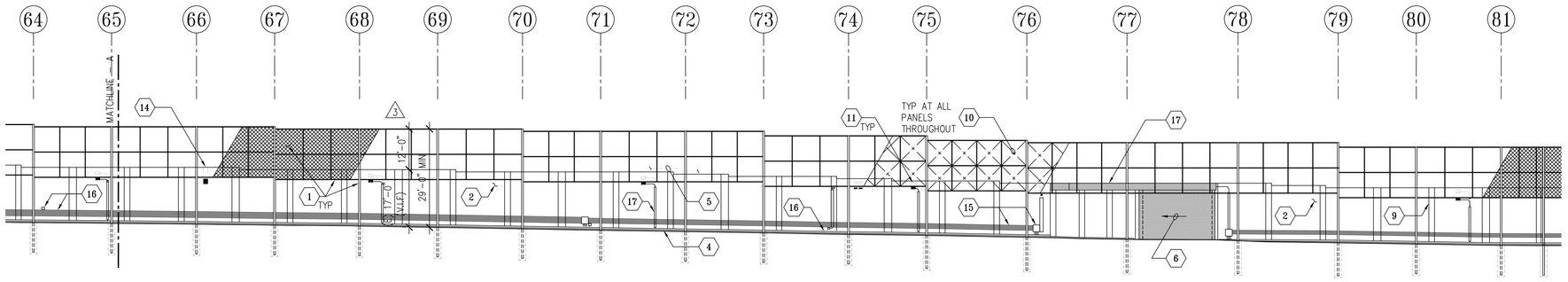
SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ

SHEET NUMBER:

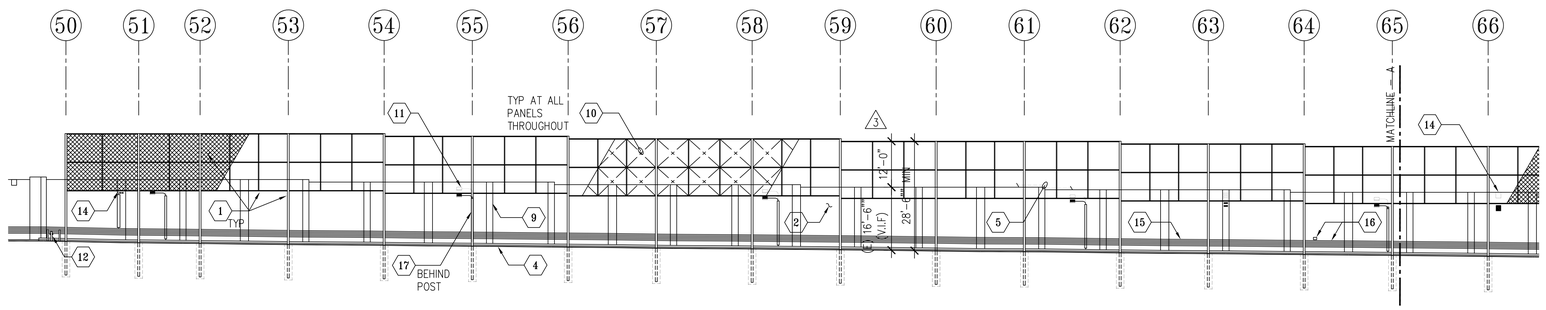
A-3.02



3 **EXTERIOR EAST SECURITY ELEVATION (WALL D) - NEW WORK**
SCALE: 1/16"=1'-0"



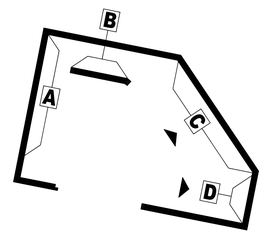
2 **PARTIAL EXTERIOR EAST SECURITY ELEVATION (WALL C) - NEW WORK**
SCALE: 1/16"=1'-0"



1 **PARTIAL EXTERIOR EAST SECURITY ELEVATION (WALL C) - NEW WORK**
SCALE: 1/16"=1'-0"

REFERENCE NOTES:

1. (N) SECURITY NYLON MESH ON STEEL FRAME SUPPORT SYSTEM (12' MIN ABOVE WALL). SEE STRUCT
2. (E) CONCRETE MASONRY BLOCK WALLS
3. (E) CONCRETE MASONRY BLOCK PILASTERS
4. (E) FINISHED SURFACE
5. (E) RAZOR WIRE TO REMAIN
6. (E) MOTORIZED STEEL GATE
7. (E) OVERHEAD HOUSING. PROTECT-IN-PLACE DURING CONSTRUCTION
8. (E) CHAINLINK FENCE BARRIER
9. (E) CONCRETE MASONRY BLOCK PILASTERS (ON OTHER SIDE SHOWN DASHED WHERE APPLIES FOR REFERENCE)
10. (N) AIRCRAFT CABLE DIAGONALLY PLACED AND SUPPORTED THRU EYE BOLTS. SEE 5/A3.03
11. (E) WALL MOUNTED LIGHT FIXTURE. RELOCATE AS NEEDED PER ELEVATIONS
12. (E) FIRE HYDRANT WITH STEEL BOLLARDS. PROTECT-IN-PLACE DURING CONSTRUCTION
13. (E) SECURITY CAMERA. PROTECT-IN-PLACE DURING CONSTRUCTION
14. (E) WALL ACCESSORIES (I.E. SENSORS, COMMUNICATION BOXES, ETC.) TO BE RELOCATED BELOW STEEL FRAME PANELS. COORDINATE WITH OWNER FOR EXTENT OF RELOCATION
15. (E) CONDUITS AND PULL BOXES. PROTECT-IN-PLACE DURING CONSTRUCTION
16. (E) CONCRETE CURB
17. (E) ALUMINUM COVER FOR CONDUITS. CUT AS NECESSARY FOR RELOCATION OF AFFECTED (E) LIGHT FIXTURES



KEY PLAN

NO.	DATE:	BY:	REMARKS:
1	5-10-24	JTC	PLAN CHECK SUBMITTAL-BLDG & PLANNING
2	6-14-24	JTC	PLAN CHECK RESUBMITTAL-BLDG
3	11-11-24	JTC	PLAN CHECK RESUBMITTAL-PLANNING
4	02-04-25	JTC	BID SET
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Editing Date : 1 / 15 / 2025 // 14:12 – Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIRDOF
SECURE YOUTH TRACK FACILITY
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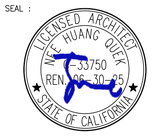
SEAL :



CONSULTANT :

BID SET

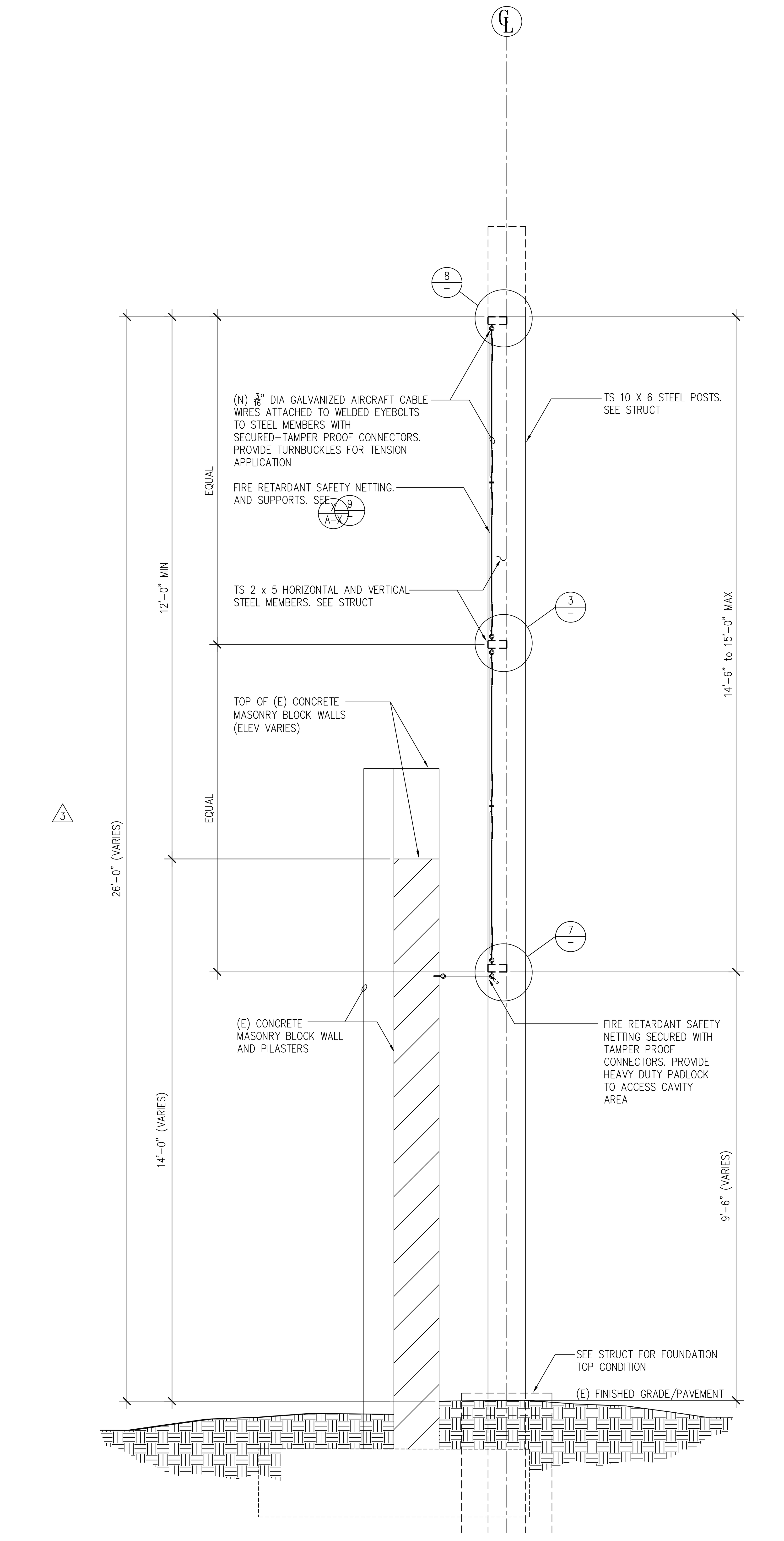
TITLE:

SECURITY WALL ELEVATIONS (WALLS C AND D) - NEW WORK

SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ

SHEET NUMBER:

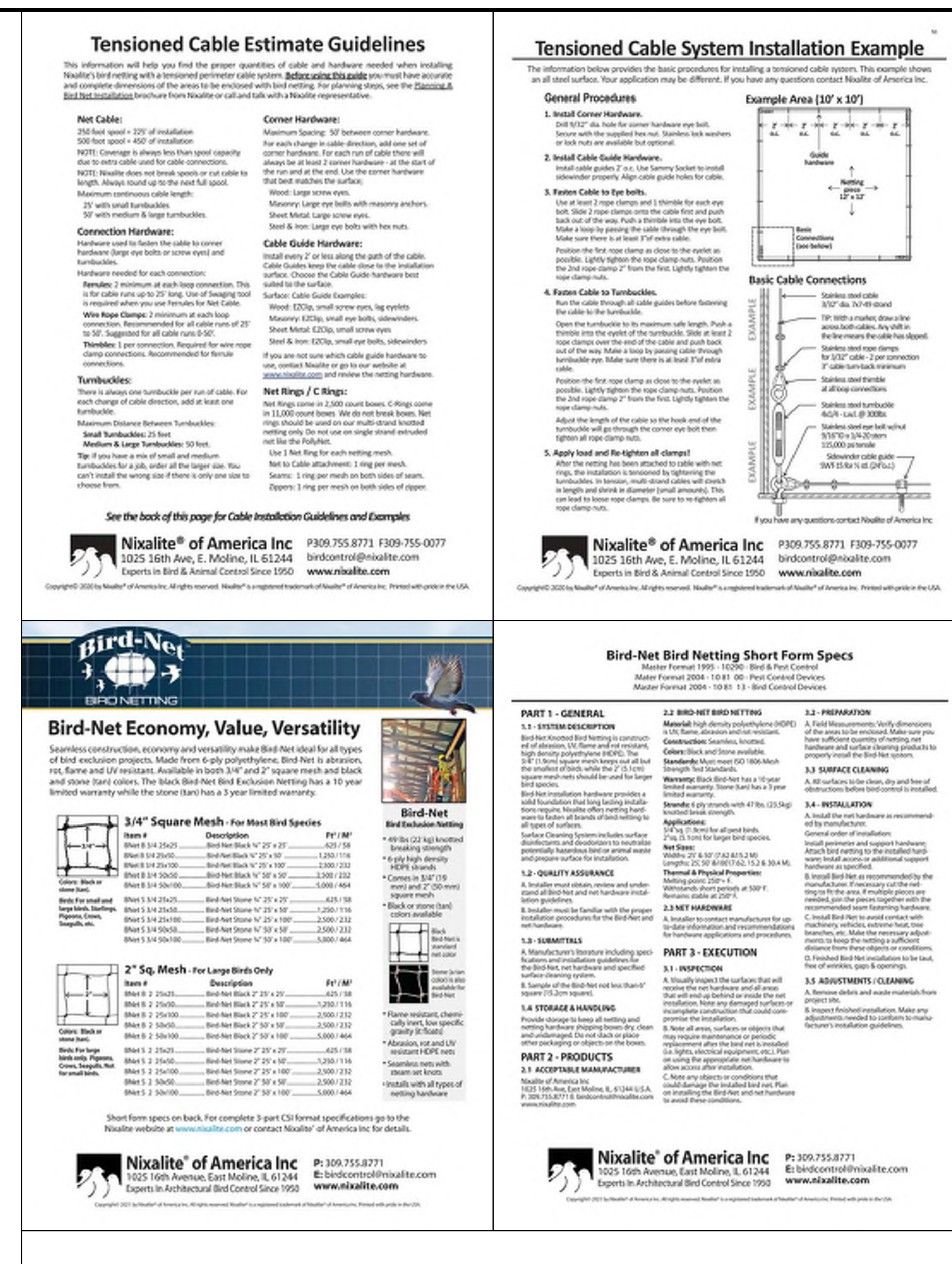
A-3.02A



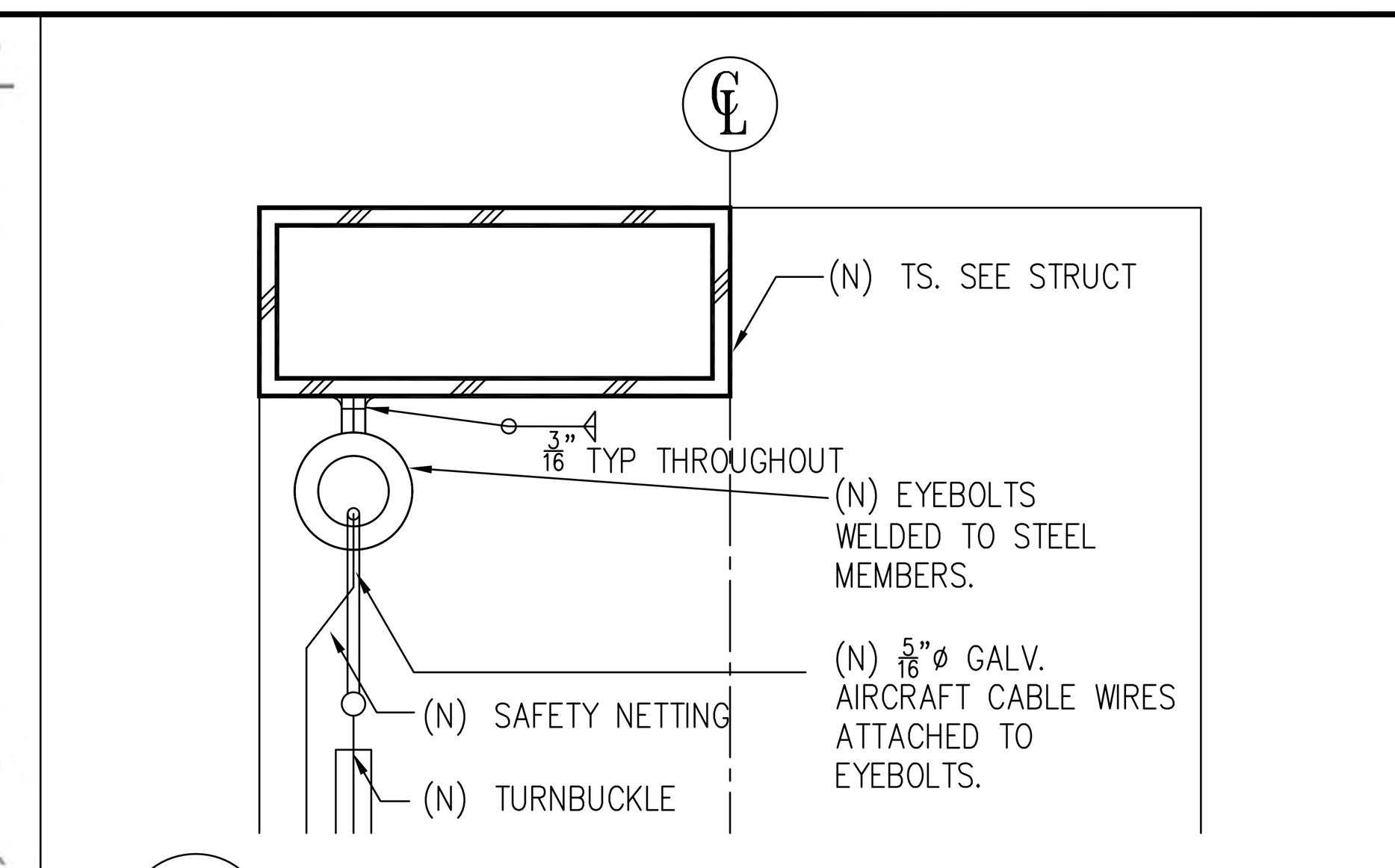
NOTE:

ALL STEEL MEMBERS ALL TURNBUCKLES, FASTENERS AND AIRCRAFT CABLE WIRES SHALL BE GALVANIZED. PROVIDE TAMPER PROOF TYPE CONNECTORS.

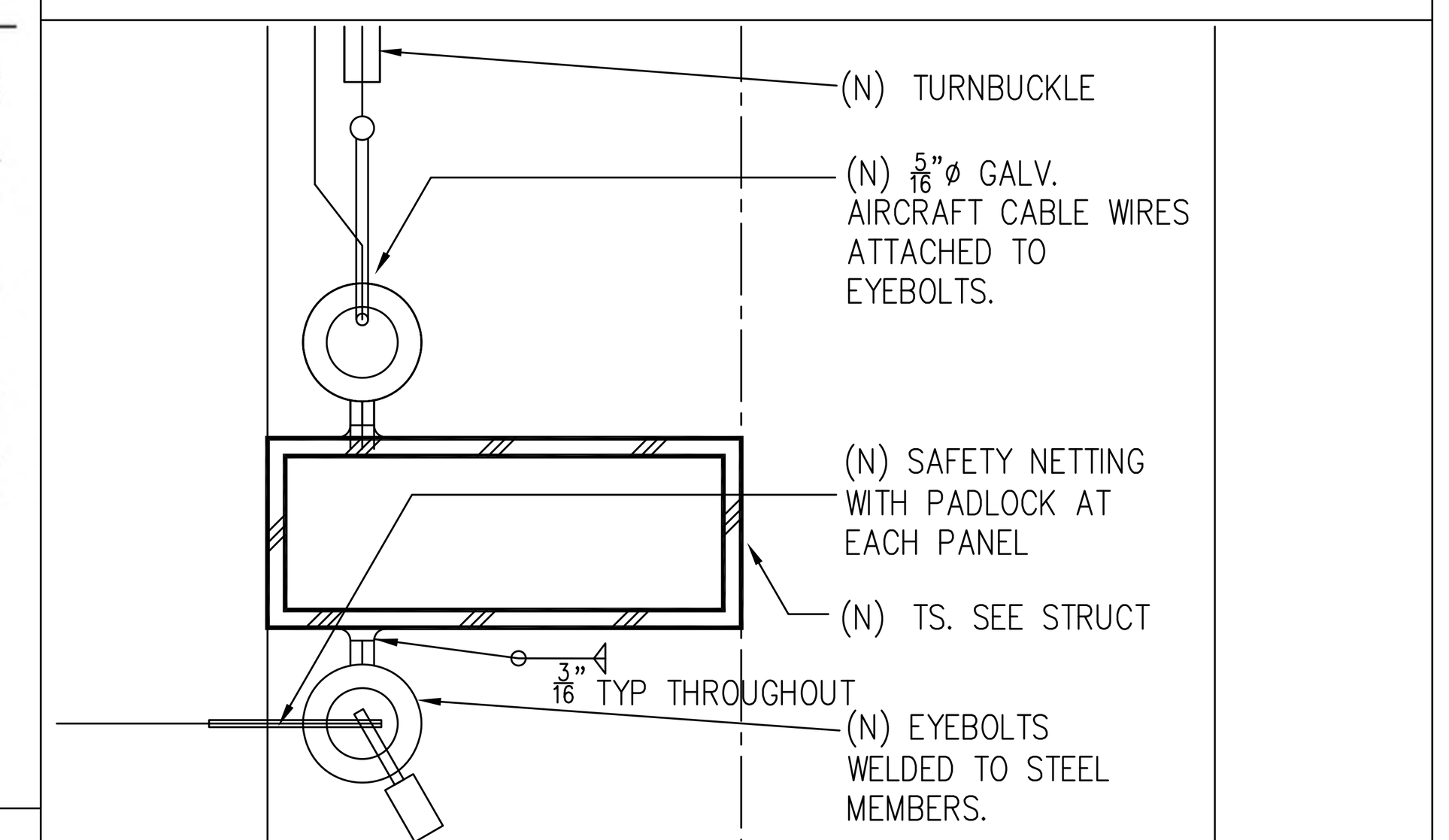
10 SECURITY WALL SECTION - NEW WORK
SCALE: 3/4"=1'-0"



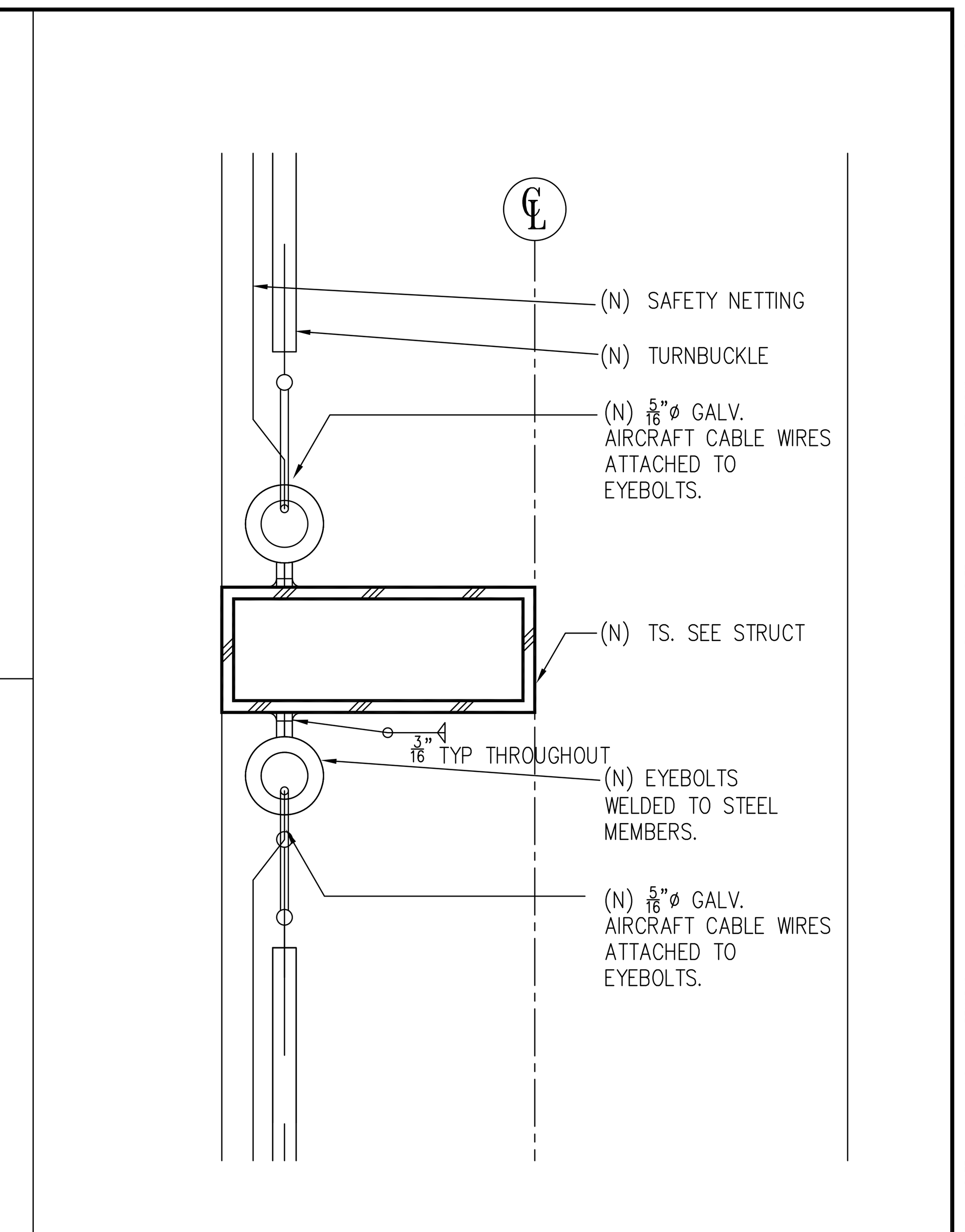
9 FLAME RESISTANT SAFETY NETTING & CABLE SUPPORT
SCALE: NO SCALE



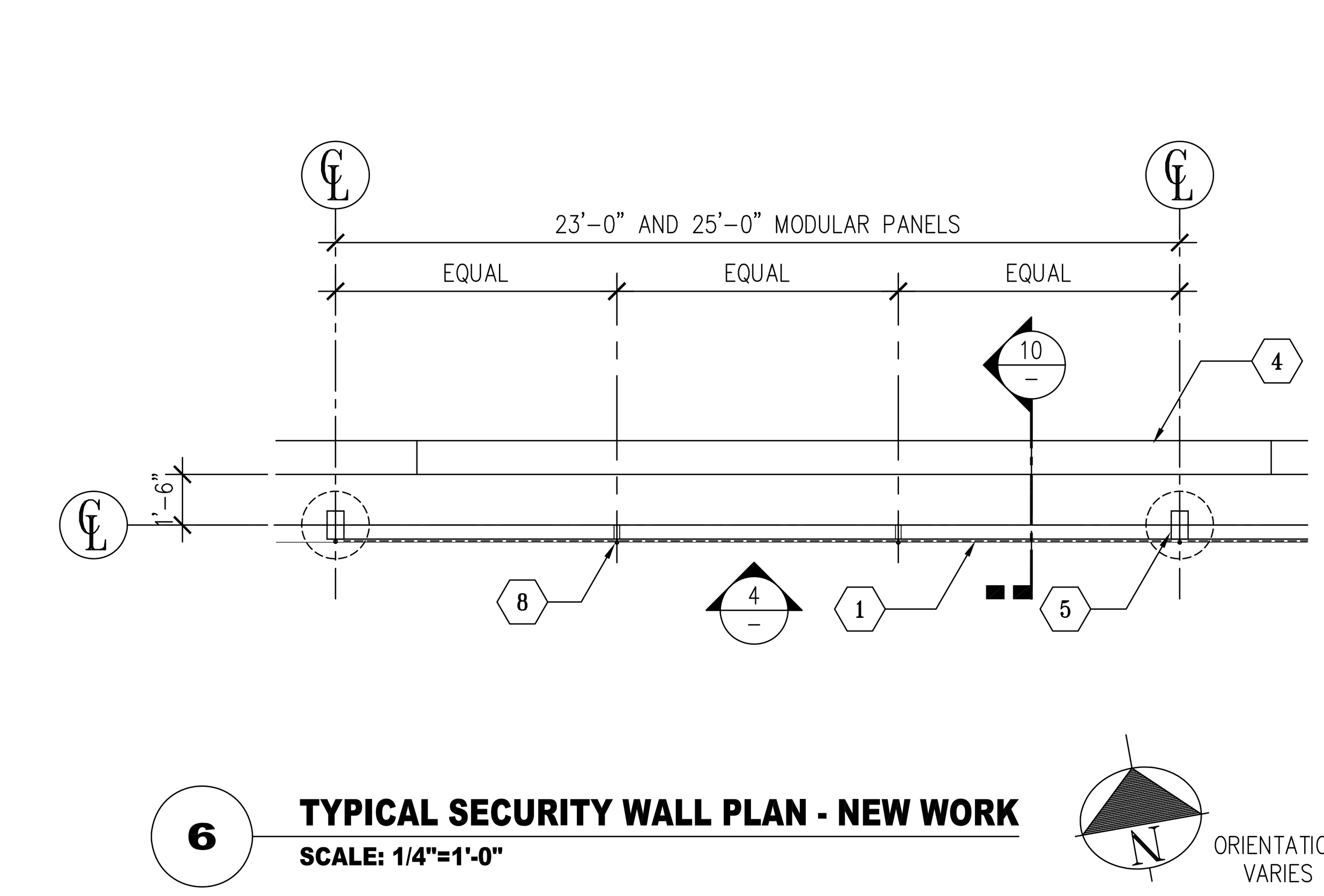
8 DETAIL
SCALE:



7 DETAIL
SCALE:



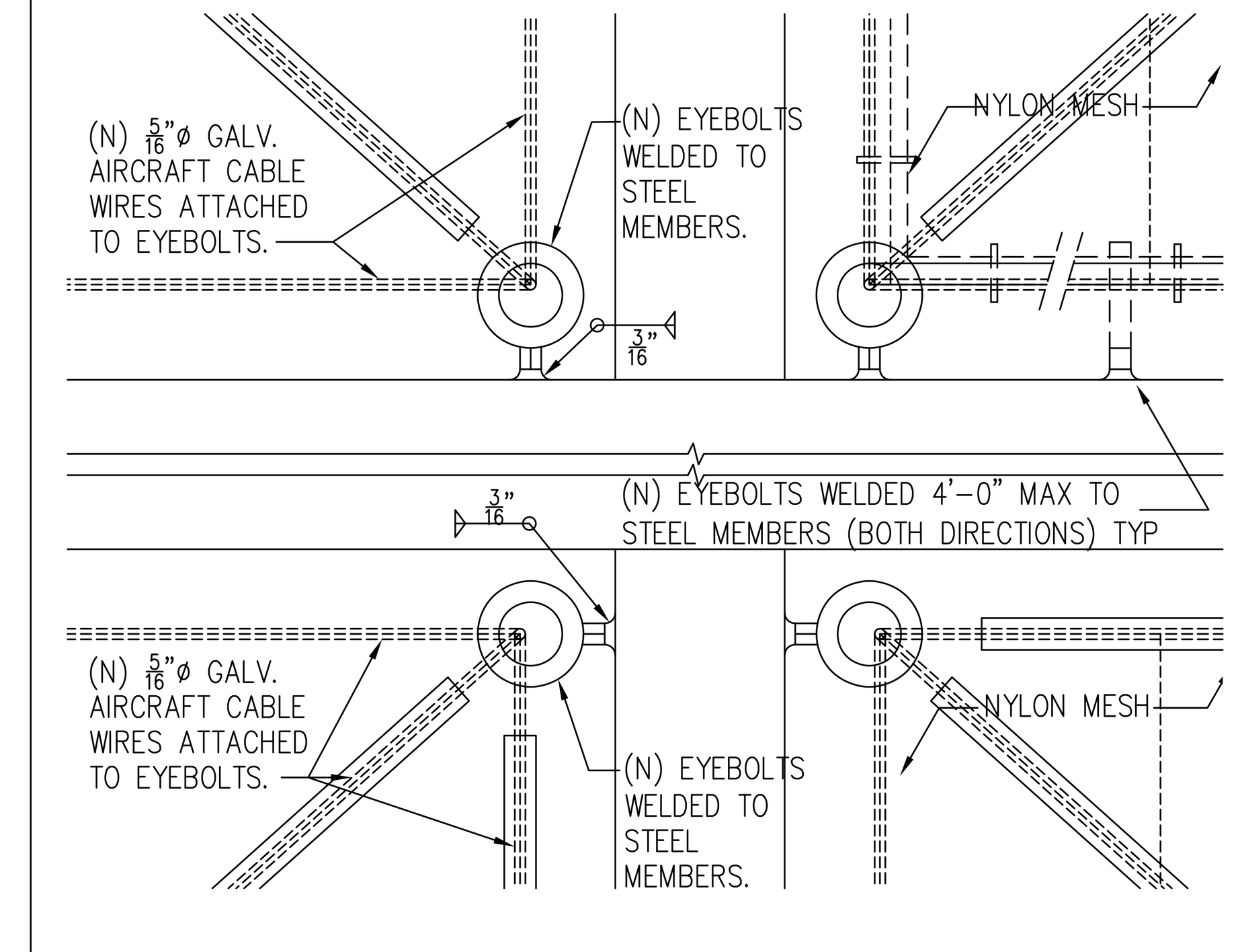
3 DETAIL
SCALE:



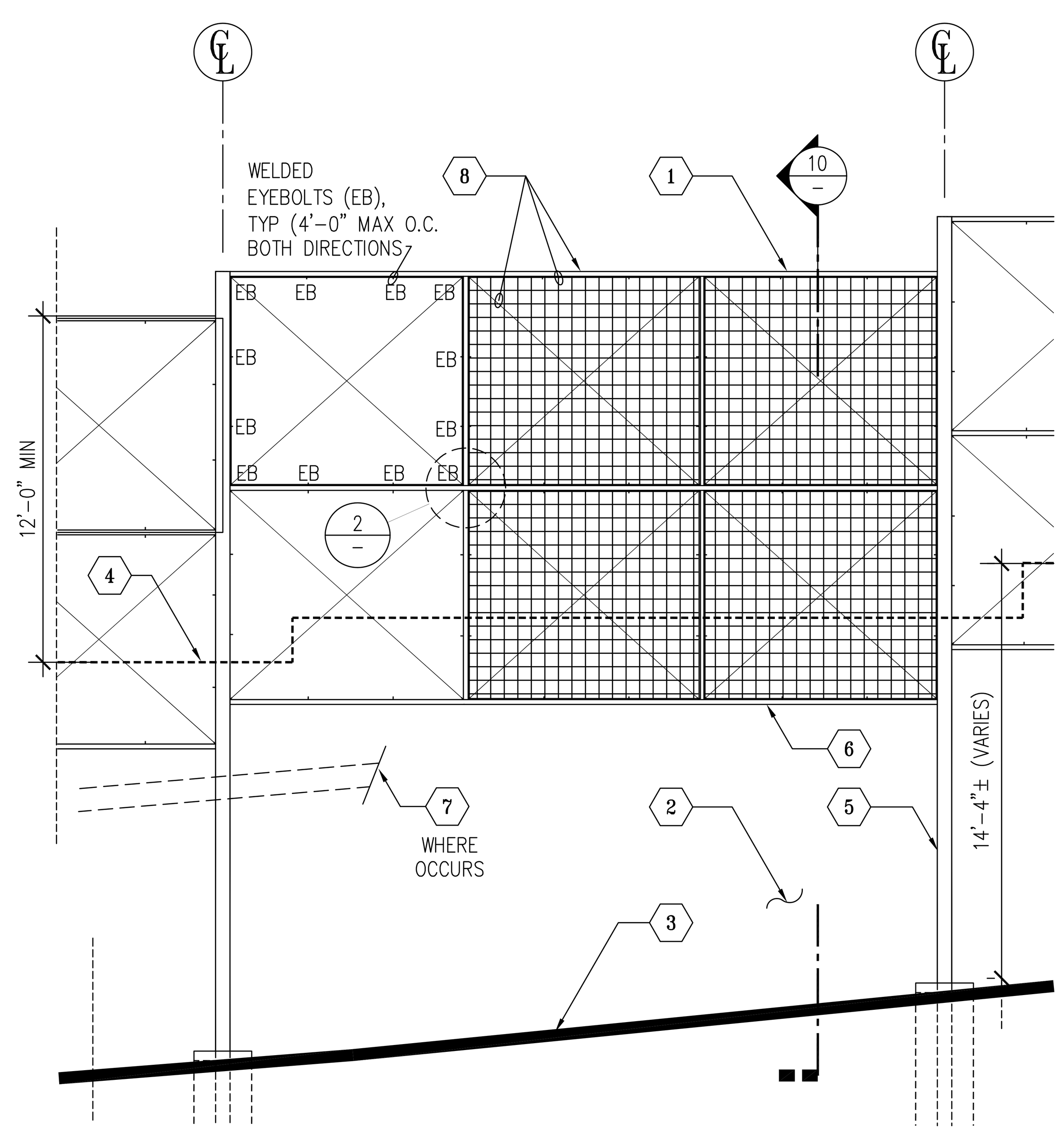
6 TYPICAL SECURITY WALL PLAN - NEW WORK
SCALE: 1/4"=1'-0"

REFERENCE NOTES:

1. (N) SECURITY FIRE RETARDANT NYLON MESH ON STEEL FRAME SUPPORT SYSTEM (14'-6" TO 15'-0" MAX HIGH). SEE STRUCT. (NOTE: SECURE NYLON MESH TO AIRCRAFT CABLE WITH SECURED-TAMPER PROOF CONNECTORS AS RECOMEMBDED BY NYLON MESH MANUFACTURER)
2. (E) CONCRETE MASONRY BLOCK WALLS
3. (E) FINISHED SURFACE
4. (E) TOP OF MASONRY WALL
5. (N) STEEL COLUMNS AND STEEL SUPPORTS SEE STRUCT
6. (N) STEEL SUPPORTS. SEE STRUCT
7. (E) CHW LINES ON METAL SUPPORTS. PROTECT-IN-PLACE DURING CONST.
8. (N) 3/16" DIA GALVANIZED AIRCRAFT CABLE WIRES ATTACHED TO WELDED EYEBOLTS TO STEEL MEMBERS WITH SECURED-TAMPER PROOF CONNECTORS



2 DETAIL
SCALE: HALF SIZE



5 TYPICAL WALL SECURITY WALL ELEVATION - NEW WORK
SCALE: 1/4"=1'-0"

GENERAL NOTES:

1. STRETCH AIRCRAFT CABLE WIRES DIAGONAL, VERTICAL AND HORIZONTAL FOR TENSION WITH TURNBUCKLES, ETC. BEFORE SECURING TO WELDED EYEBOLTS. SECURE NYLON MESH AFTERWARDS WITH SECURED-TAMPER PROOF CONNECTORS
2. ALL STRUCTURAL STEEL ELEMENTS AND COMPONENTS OF THE STEEL FRAMING SHALL BE HOT-DIP GALVANIZED. ANY SCRATCHES DURING STEEL ERECTION SHALL ALL BE TOUCHED UP.
3. SAFETY NET SHALL BE EQUIPPED WITH EDGE ROPE AND ROPES THAT ARE ADDED AND INTEGRATED TO THE NET ALIGNED WITH THE STEEL FRAMING MEMBERS TO REINFORCE THE TIES OF NET TO THE PRESET AIRCRAFT CABLES. QUICK LINKS OF APPROPRIATE SIZE WITH ARCHITECT/ENGINEERS PRIOR APPROVAL SHALL BE USED TO TIE THE NET ROPES, NO MORE THAN 4' ON CENTER.
4. RUN 5/16"ø 7x19 AIRCRAFT CABLE FOR SAFETY NET, ALONG STEEL FRAMING MEMBER THROUGH CABLE HOLDERS (EYEBOLTS)
5. STRETCH AND TENSION AIRCRAFT CABLES THAT ALIGN WITH STEEL FRAMING MEMBERS IN BOTH LONGITUDINAL AND TRANSVERSE DIRECTIONS UP TO NO MORE THAN 500 POUNDS. PREVENT CABLE FROM SLIDING BY APPLYING CABLE CLAMPS TO MACHINE EYEBOLTS
6. SECURE SAFETY NET TO 5/16"ø AIRCRAFT CABLE USING TAMPER PROOF CONNECTOR PROVIDED BY NET VENDOR.
7. ALL AIRCRAFT CABLE AND CONNECTIONS SHALL BE HOT DIPPED GALVANIZED.
8. REGULAR EYEBOLT FOR AIRCRAFT CABLE AND SUPPORT OF SAFETY NET ALONG PERIMETER SHALL BE INSTALLED IN CONCRETE NO MORE THAN 4'-0" ON CENTER, AND AT ALL WALL CORNERS AND TURNS
9. CONTRACTOR TO PROVIDE WITH SHACKLES, THIMBLES AND CLIPS PER VENDOR'S RECOMMENDATION FOR CABLE INSTALLATION AND TURNBUCKLE FOR STRETCHING.
10. ALL FITTINGS AND HARDWARE USED FOR CABLE ASSEMBLY SHALL MEET CAPACITY REQUIREMENT EQUAL OR SUPERIOR TO THE AIRCRAFT CABLE CAPACITY.

NO.	DATE	REMARKS	BY
1	5-10-24	PLAN CHECK SUBMITTAL-BLDG & PLANNING	JTC
2	6-14-24	PLAN CHECK RESUBMITTAL-BLDG	JTC
3	11-11-24	PLAN CHJECK RESUBMITTAL-PLANNING	JTC
4	02-04-25	BID SET	JTC
5			
6			
7			
8			
9			
10			
11			
12			

Editing Date : 1 / 15 / 2025 // 19:9 – Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

**BARRY J. NIRDOF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230,
PCS ID:2241**

LOCATION :

**16350 FILBERT STREET,
SYLMAR, CA 91342**

ARCHITECT :

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65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
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JTC PROJECT NO: **37603.0D**

SEAL :

LICENSED ARCHITECT
NEE HUANG QUEK
C-33750
REN. 06-30-25
STATE OF CALIFORNIA

CONSULTANT :

BID SET

TITLE:

PARTIAL ENLARGED SECURITY WALL PLAN, ELEVATIONS, SECTION AND DETAILS

SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	JY, EP
CHECKED BY:	JQ
SHEET NUMBER:	**A-3.03**

PLAN SYMBOLS

SYMBOL	DESCRIPTION
SLV	APPROXIMATE LOCATION OF SLEEVE FOR PIPES/ CONDUIT ACROSS FOOTING PER PLUMBING, ELECTRICAL OR MECHANICAL
BOF -1'-0"	BOTTOM OF FOOTING ELEVATION AT NOTED LOCATION
S S	STEP IN FOOTING
F1	FOOTING PER FOOTING SCHEDULE
C1	STEEL COLUMN STARTING AT THIS LEVEL PER COLUMN SCHEDULE. WHERE NO COLUMN TYPE IS INDICATED, COLUMN CONTINUES FROM LEVEL BELOW.
W8x45 HSS6x6x3/8	STEEL COLUMN STARTING AT THIS LEVEL. WHERE NO COLUMN TYPE IS INDICATED, COLUMN CONTINUES FROM LEVEL BELOW.
W12x25	BEAM SIZE AND SPAN
	OPENINGS IN FLOOR OR ROOF PER ARCHITECTURAL OR MECHANICAL DRAWINGS
	MECHANICAL UNIT ABOVE FRAMING (SOLID) OR BELOW FRAMING (DASHED) PER MECHANICAL DRAWINGS

ABBREVIATIONS:

CODES/INSTITUTIONS/ASSOCIATIONS

ACI	AMERICAN CONCRETE INSTITUTE
AF&PA	(NDS) AMERICAN FOREST & PAPER ASSOCIATION (NDS)
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
APA-EWA	APA-ENGINEERED WOOD ASSOCIATION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
CBC	CALIFORNIA BUILDING CODE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
DSA	DIVISION OF THE STATE ARCHITECT
HCAI	DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
IBC	INTERNATIONAL BUILDING CODE
NDS	NATIONAL DESIGN SPECIFICATIONS
SDI	STEEL DECK INSTITUTE
SJI	STEEL JOIST INSTITUTE
SSMA	STEEL STUD MANUFACTURERS ASSOCIATION

SYMBOLS

#	POUND, NUMBER, QUANTITY
@	AT
<	LESS THAN
>	GREATER THAN
±	PLUS OR MINUS
°	DEGREE
Ø	DIAMETER

ABBREVIATIONS

AB	ANCHOR BOLT
ABV	ABOVE
ADDL	ADDITIONAL
ADJ	ADJACENT
ALT	ALTERNATE
ANCH	ANCHOR, ANCHORAGE
APPROX	APPROXIMATE, APPROXIMATELY
ARCH	ARCHITECT, ARCHITECTURAL
BEL	BELOW
BLDG	BUILDING
BLKG	BLOCKING, BLOCK
BM	BEAM
BOT	BOTTOM
B/O	BOTTOM OF
BTWN	BETWEEN
CALCS	CALCULATIONS
CFRP	CARBON FIBER REINFORCED POLYMER
CG	CENTER OF GRAVITY
CL	CENTERLINE
CLR	CLEAR, CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT, CONNECTION
CONT	CONTINUOUS
COORD	COORDINATE
CTR	CENTER
db	BAR DIAMETER (REBAR)
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIST	DISTANCE
DWG	DRAWING
(E)	EXISTING
EA	EACH
EF	EACH FACE
ELEC	ELECTRICAL
EMBED	EMBED, EMBEDDED, EMBEDMENT
EOR	ENGINEER OF RECORD
EQ	EQUAL, EQUALLY
EQUIP	EQUIPMENT
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FIN	FINISH
F/O	FACE OF
FTG	FOOTING
FTR	FULLY-THREADED ROD
GA	GAUGE
GALV	GALVANIZE
GC	GENERAL CONTRACTOR
HEX	HEXAGONAL
HGR	HANGER
HT	HEIGHT
HORIZ	HORIZONTAL
I/F	INSIDE FACE
ID	INSIDE DIAMETER
INFO	INFORMATION
IOR	INSPECTOR OF RECORD
K	KIPS (1000#)
KB-TZ2	HILTI KWIK BOLT TZ2 (ANCHOR)
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH

LBS	POUNDS
ld	DEVELOPMENT LENGTH
ldh	HOOK DEVELOPMENT LENGTH
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOCS	LOCATIONS
LONG	LONGITUDINAL
ls	LAP SPLICE LENGTH
LVL	LAMINATED VENEER LUMBER
LTWT	LIGHT-WEIGHT
LWT	LIGHT-WEIGHT
MANUF	MANUFACTURER
MAX	MAXIMUM
MECH	MECHANICAL
MHP	MHP STRUCTURAL ENGINEERS
MID	MIDDLE
MIN	MINIMUM
(N)	NEW
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
NWT	NORMAL-WEIGHT
O/F	OUTSIDE FACE
OC	ON CENTER
OH	OPPOSITE HAND
OP	OPERATING
OPNG	OPENING
OPP	OPPOSITE
PARA	PARALLEL
PERP	PERPENDICULAR
PL	PLATE, PROPERTY LINE
PLF	POUNDS PER LINEAR FOOT
PLY	PLYWOOD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLAM
QTY	QUANTITY
REINF	REINFORCING
REQD	REQUIRE, REQUIRED
RM	ROOM
SCHED	SCHEDULE
SEOR	STRUCTURAL ENGINEER OF RECORD
SHTG	SHEATHING
SIM	SIMILAR
SMS	SHEET METAL SCREW
SOG	SLAB-ON-GRADE
SPA	SPACED, SPACING
SPCS	SPACES
SQ	SQUARE
SS	STAINLESS STEEL
STAGG	STAGGER
STD	STANDARD
STIFF	STIFFEN, STIFFENER
STIRR	STIRRUP
STL	STEEL
STRUC	STRUCTURAL
SYM	SYMMETRICAL
T&B	TOP & BOTTOM
THK	THICK, THICKNESS
THRU	THROUGH
T/O	TOP OF
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WP	WORK POINT
WT	WEIGHT

STRUCTURAL STEEL SHAPES

Cx	STANDARD CHANNEL
HSS	HOLLOW STRUCTURAL SECTIONS
Lx	ANGLE
MCx	MISCELLANEOUS CHANNEL
Mx	M SHAPES
STD PIPE	STANDARD PIPE
Sx	S SHAPES
WTx, STx	STRUCTURAL TEES
Wx	W SHAPES
X-STRG	EXTRA STRONG PIPE
XX-STRG	DBL EXTRA STRONG PIPE

GENERAL STRUCTURAL NOTES:

DESIGN CRITERIA:
CODE OF RECORD: 2022 EDITION, CALIFORNIA BUILDING CODE

DESIGN LOADS:
BASIC WIND SPEED ____ 101 MPH (3-SECOND GUST)
WIND EXPOSURE CATEGORY ____ C
ANALYSIS PROCEDURE ____ SEISMIC DESIGN REQUIREMENTS FOR NONBUILDING STRUCTURES (ASCE 7-16, CHAPTER 15)
RISK CATEGORY ____ III
SEISMIC SITE CLASS ____ D
SEISMIC DESIGN CATEGORY ____ D
SPECTRAL RESPONSE ACCELERATIONS ____ $S_S = 2.738g$, $S_{DS} = 1.820g$
SEISMIC IMPORTANCE FACTOR, I_p ____ 1.25

1. GOVERNING CODE AUTHORITY FOR THIS PROJECT: LOS ANGELES COUNTY AND IS REFERRED TO AS “THE GOVERNING AGENCY” IN THESE AND OTHER STRUCTURAL NOTES SECTIONS.
2. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB, EXCEPT WHERE THEY MAY DIFFER WITH DETAILS AND NOTES ON OTHER SHEETS, IN WHICH CASE THE DETAILS AND NOTES ON OTHER SHEETS SHALL GOVERN. DETAIL MARKS WITH "SIM" NOTED INDICATES THAT DETAIL CONTAINS MODIFIED INFORMATION APPLICABLE TO THE CONDITION REFERENCED.
3. SEE MECHANICAL, ELECTRICAL OR PLUMBING (MEP) DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS (EXCEPT AS NOTED), INSERTS, FINISHES, ETC., FOR DETAILS (EXCEPT AS SHOWN), AND FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS. WHERE DIMENSIONS DIFFER BETWEEN PLANS, NOTIFY SEOR AND AWAIT DIRECTION PRIOR TO PROCEEDING WITH WORK.
4. DO NOT INSERT MECHANICAL, ELECTRICAL OR PLUMBING (MEP) SLEEVES, PIPES OR CONDUIT IN CONCRETE WITHOUT PRIOR APPROVAL OF THE SEOR, TYPICAL UNLESS NOTED OTHERWISE ON PLAN.
5. OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE SEOR PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE SEOR AND SHALL BE RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
7. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST CURRENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE SEOR SO THAT THE PROPER REVISION MAY BE MADE. MODIFICATIONS OF CONSTRUCTION DETAILS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE SEOR.
8. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OR SEQUENCE OF CONSTRUCTION, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING BUT NOT LIMITED TO BRACING, SHORING AND LAYDOWN OF CONSTRUCTION MATERIALS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY CONSTRUCTION LOADING, INCLUDING LOADING FROM EQUIPMENT SUCH AS SKIP LOADERS, SCISSOR LIFTS, ETC., ON ALL PORTIONS OF THE STRUCTURE, WHETHER ELEVATED OR ON-GRADE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE PATH-OF-TRAVEL FOR MOVING PERMANENT EQUIPMENT TO ITS FINAL LOCATION; INCLUDING THE EFFECTS OF TEMPORARY LOADING AS THE EQUIPMENT IS INSTALLED. THE CONTRACTOR MAY USE THE “DESIGN LOADS” INFORMATION PROVIDED ABOVE WHEN CONSIDERING TEMPORARY CONSTRUCTION LOADING CONDITIONS.
10. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/SEOR SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OF THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/SEOR DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED SPECIAL INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/SEOR, WHETHER OF MATERIAL OR WORK, AND WHETHER PERFORMED PRIOR TO, DURING OR AFTER COMPLETION OF CONSTRUCTION, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE, AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
11. ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS.
12. WHEN THE ALLOWANCE FOR SUBSTITUTION OF A SPECIFIED MATERIAL OR PRODUCT DESIGNATION IS IMPLIED ON THE DESIGN DRAWINGS BY THE USE OF THE WORDS "OR APPROVED EQUAL", APPROVAL SHALL BE OBTAINED FROM THE SEOR AND THE GOVERNING AGENCY PRIOR TO FABRICATION OR INSTALLATION OF THE SUBSTITUTED MATERIAL OR PRODUCT.
13. DIMENSIONS SHALL GOVERN OVER SCALES SHOWN ON DRAWINGS.
14. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS WHO SHALL PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION WHEN SO SPECIFIED ON THE CONTRACT DRAWINGS AND SPECIFICATIONS FOR CERTAIN TYPES OF WORK. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE HIS COMPETENCE, TO THE SATISFACTION OF THE GOVERNING AGENCY, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE SEOR AND TO THE GOVERNING AGENCY. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE SEOR AND TO THE GOVERNING AGENCY. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISION OF THE CODE AND OTHER APPLICABLE REGULATIONS IDENTIFIED ON THE PLANS OR IN THE PROJECT SPECIFICATIONS.
15. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER (BEAM, COLUMN, SHEARWALL, GRADE BEAM, ETC.) SHALL BE CUT, DRILLED OR NOTCHED WITHOUT PRIOR AUTHORIZATION FROM THE SEOR AND THE GOVERNING AGENCY.
16. DIMENSIONS OF EQUIPMENT ANCHOR/ MOUNTING LOCATIONS SHOWN ON PLANS AND/OR DETAILS ARE TO BE COORDINATED WITH ACTUAL EQUIPMENT TO BE INSTALLED. CONTRACTOR TO VERIFY THE EXACT SIZE AND LOCATION OF ALL EQUIPMENT ANCHOR/ MOUNTING HOLES PRIOR TO INSTALLATION. WHERE ACTUAL EQUIPMENT DIMENSIONS DO NOT FALL WITHIN THE MINIMUM OR MAXIMUM DIMENSIONS PROVIDED ON PLANS AND/OR DETAILS, NOTIFY SEOR AND AWAIT DIRECTION PRIOR TO PROCEEDING WITH WORK.

SHOP DRAWINGS:

A. SHOP DRAWINGS, INCLUDING CONCRETE MIX DESIGNS, SHALL BE SUBMITTED TO THE SEOR FOR REVIEW PRIOR TO FABRICATION OR USE. A SCHEDULE FOR THE RELEASE OF SHOP DRAWING SUBMITTALS SHALL BE PREPARED BY THE CONTRACTOR AND REVIEWED BY THE ARCHITECT/SEOR PRIOR TO THE START OF FABRICATION OR CONSTRUCTION. THIS SUBMITTAL SCHEDULE SHALL PROPORTION THE NUMBER OF SHOP DRAWINGS TO BE REVIEWED IN EACH SUBMITTAL TO ALLOW SUFFICIENT TIME AS DEEMED REASONABLE IN THE PROFESSIONAL JUDGMENT OF THE ARCHITECT/SEOR TO PERMIT ADEQUATE REVIEW. SHOP DRAWINGS SHALL REFERENCE THE LATEST REVISION OF EACH STRUCTURAL DESIGN DRAWING USED TO DETAIL FROM. SUBMITTALS THAT DO NOT IDENTIFY THE LATEST REVISION OF STRUCTURAL PLANS SHALL BE RETURNED WITHOUT REVIEW, FOR THE DETAILER TO UPDATE AND RESUBMIT. THE DETAILING ON EACH SHOP DRAWING SHALL BE COMPLETE BEFORE RELEASING FOR REVIEW THE SUBMITTAL CONTAINING THAT SHOP DRAWING. IF THE SUBMITTAL MUST BE REVISED, IT SHALL IDENTIFY EACH REVISION AND/OR ADDITION TO EACH SHOP DRAWING BY CLOUDING OR OTHER MEANS, TO ENSURE THEIR IDENTIFICATION FOR REVIEW.

B. SHOP DRAWINGS AND CONCRETE MIX DESIGNS WILL NOT BE ACCEPTED BY THE SEOR DIRECTLY FROM THE PROJECT SUB-CONTRACTORS. SHOP DRAWINGS AND CONCRETE DESIGN MIXES WILL BE ACCEPTED FROM THE GENERAL CONTRACTOR ONLY AFTER THEY HAVE BEEN REVIEWED AND SIGNED BY THE GENERAL CONTRACTOR, INDICATING COMPLIANCE WITH HIS REQUIREMENTS AND THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. SHOP DRAWINGS NOT COMPLYING WITH THE INSTRUCTIONS IN BOTH NOTES A AND B WILL BE RETURNED BY THE SEOR WITHOUT REVIEW.

FOUNDATIONS:

1. RECOMMENDATIONS CONTAINED IN THE PROJECT GEOTECHNICAL/SOILS REPORT AS LISTED BELOW WERE USED FOR THE STRUCTURAL DESIGN OF FOUNDATIONS AND EARTH RETAINING ELEMENTS CONTAINED HEREIN. IF IT IS DETERMINED THAT ANY OF THE RECOMMENDATIONS IN THE PROJECT REPORT AFFECTING CONSTRUCTION WILL NOT BE FOLLOWED, A FORMAL CHANGE ORDER SHALL BE PREPARED WITH ADEQUATE TIME FOR PROCESSING APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD, THE GEOTECHNICAL ENGINEER AND THE GOVERNING AGENCY. MHP ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE RECOMMENDATIONS CONTAINED WITHIN THE PROJECT REPORT.
   A. REPORT TITLE: ____ REPORT OF GEOTECHNICAL INVESTIGATION PROPOSED PROBATION CAMP SECURITY UPGRADES
   B. REPORT OR PROJECT NUMBER: ____ 3185.1
   C. PREPARED BY: ____ GEOTECHNICAL PROFESSIONAL INC.
   D. DATED: ____ APRIL 27, 2023 (REVISED MARCH 22, 2024) 1
2. THE FOLLOWING DESIGN PARAMETERS WERE USED AS THE BASIS FOR ALLOWABLE FOUNDATION LOADS AND SOIL PRESSURES:
   A. ALLOWABLE SOIL BEARING PRESSURES:
      - SPREAD/ISOLATED FOOTINGS: ____ 2,500 PSF
      - CONTINUOUS FOOTINGS: ____ 2,500 PSF
   B. ALLOWABLE INCREASES FOR SOIL PRESSURE:
      - FOR LOAD COMBINATIONS INCLUDING WIND OR SEISMIC, A ONE-THIRD (1/3) INCREASE IS ALLOWED.
   C. RESISTANCE TO SLIDING:
      - FRICTION COEFFICIENT: ____ 0.40 x DEAD LOAD
      - PASSIVE PRESSURE: ____ 500 PCF (5,000 PSF MAXIMUM)
   D. ALLOWABLE SKIN FRICTION VALUES:
      - 0 - 3 FEET BELOW GRADE: ____ 40 PSF
      - 3 - 7 FEET BELOW GRADE: ____ 100 PSF
      - 7 - 10 FEET BELOW GRADE: ____ 150 PSF
      - > 10 FEET BELOW GRADE: ____ 200 PSF
3. REMEDIAL EXCAVATIONS ARE NOT REQUIRED AT FENCE STRUCTURES. FOR MINOR STRUCTURES WHICH ARE NOT IN SCOPE OF PROJECT, REMOVAL/REPLACEMENT OF ON-SITE SOILS SHOULD EXTEND TO A DEPTH OF 4 FEET BELOW EXISTING GRADES OR 2 FEET BELOW FOOTINGS, WHICHEVER IS DEEPER. WHERE DEEPER FILLS ARE PRESENT, REMOVALS SHOULD EXTEND DEEP ENOUGH TO REMOVE THE UNDOCUMENTED FILL AND REPLACE IT WITH PROPERLY COMPACTED FILL.
4. ALL SITE FILL, INCLUDING BACKFILL FOLLOWING OVER-EXCAVATION, IF REQUIRED, SHALL BE COMPACTED TO THE FOLLOWING MINIMUM RELATIVE COMPACTION CRITERIA AS PER ASTM TEST METHOD D-1557. FLOODING IS NOT PERMITTED AND SHALL NOT BE USED FOR COMPACTION PURPOSES.
   A. 90 PERCENT OF MAXIMUM DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE.
   B. 93 PERCENT OF MAXIMUM DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE.
   C. 95 PERCENT OF MAXIMUM DRY DENSITY IS REQUIRED FOR ALL FIRE LANES UNLESS OTHERWISE APPROVED BY THE FIRE DEPARTMENT.
5. ALL FILL AND BACKFILL EXTENTS AND MATERIAL SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER.
   - FILL MATERIAL SHALL NOT INCLUDE ORGANIC, FROZEN, OR OTHER DELETERIOUS MATERIALS. ROCK OR SIMILAR IRREDUCIBLE MATERIAL GREATER THAN 12 INCHES (305 MM) IN ANY DIMENSION SHALL NOT BE INCLUDED IN FILLS. (SECTION J107.4 OF THE COUNTY OF LOST ANGELES BUILDING CODE).
6. ALL FOUNDATION EXCAVATIONS SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION OF REINFORCING OR OTHER ELEMENTS WHICH MAKE THE EXCAVATIONS INACCESSIBLE FOR ANY CORRECTIVE WORK DEEMED NECESSARY FOR APPROVAL.
7. FIELD DENSITY SHALL BE DETERMINED BY A METHOD ACCEPTABLE TO THE BUILDING OFFICIAL. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE.) HOWEVER, NOT LESS THAN 10% OF THE REQUIRED DENSITY TEST, UNIFORMLY DISTRIBUTED, AND SHALL BE OBTAINED BY THE SAND CONE METHOD.
8. SUFFICIENT TESTS OF THE FILL SOILS SHALL BE MADE TO DETERMINE THE RELATIVE COMPACTION OF THE FILL IN ACCORDANCE WITH THE FOLLOWING MINIMUM GUIDELINES:
   A. ONE TEST FOR EACH TWO-FOOT VERTICAL LIFT.
   B. ONE TEST FOR EACH 1,000 CUBIC YARDS OF MATERIAL PLACED.
   C. ONE TEST AT THE LOCATION OF THE FINAL FILL SLOPE FOR EACH BUILDING SITE (LOT) IN EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
   D. ONE TEST IN THE VICINITY OF EACH
9. SUFFICIENT TESTS OF FILL SOILS SHALL BE MADE TO VERIFY THAT THE SOIL PROPERTIES COMPLY WITH THE DESIGN REQUIREMENTS, AS DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER INCLUDING SOIL TYPES, SHEAR STRENGTHS PARAMETERS AND CORRESPONDING UNIT WEIGHTS IN ACCORDANCE WITH THE FOLLOWING GUIDELINES:
   A. PRIOR AND SUBSEQUENT TO PLACEMENT OF THE FILL, SHEAR TESTS SHALL BE TAKEN ON EACH TYPE OF SOIL OR SOIL MIXTURE TO BE USED FOR ALL FILL SLOPES STEEPER THAN THREE (3) HORIZONTAL TO ONE VERTICAL.
   B. SHEAR TEST RESULTS FOR THE PROPOSED FILL MATERIAL MUST MEET OR EXCEED THE DESIGN VALUES USED IN THE GEOTECHNICAL REPORT TO DETERMINE SLOPE STABILITY REQUIREMENTS. OTHERWISE, THE SLOPE MUST BE REEVALUATED USING THE ACTUAL SHEAR TEST VALUE OF THE FILL MATERIAL THAT IS IN PLACE.
   C. FILL SOILS SHALL BE FREE OF DELETERIOUS MATERIALS.
10. FILL SHALL NOT BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAIN (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE SOIL ENGINEER. THE BUILDING OFFICIAL MAY REQUIRE A “STANDARD TEST METHOD FOR MOISTURE, ASH, ORGANIC MATTER, PEAT OR OTHER ORGANIC SOILS” ASTM D-2974-87 ON ANY SUSPECT MATERIAL. DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN FILLS. SOIL CONTAINING SMALL AMOUNTS OF ROOTS MAY BE ALLOWED PROVIDED THAT THE ROOTS ARE IN A QUANTITY AND DISTRIBUTED IN A MANNER THAT WILL NOT BE DETRIMENTAL TO THE FUTURE USE OF THE SITE AND THE SOILS ENGINEER APPROVES THE USE OF SUCH MATERIAL.
11. WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATION PRIOR TO PLACING OF CONCRETE. CARE SHALL BE TAKEN TO AVOID DRYING OUT UNDERLYING NATURAL SOILS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEQUENCING AND SHORING, ETC., NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION AND FORMING AND PLACEMENT OF CONCRETE. CARE SHALL BE TAKEN TO AVOID DISTURBING SOILS AROUND AND/OR SUPPORTING EXISTING FOUNDATIONS AND UTILITIES.
13. FILL SLOPES IN EXCESS OF 2:1 STEEPNESS RATIO ARE TO BE CONSTRUCTED BY THE PLACEMENT OF SOIL AT SUFFICIENT DISTANCE BEYOND THE PROPOSED FINISH SLOPE TO ALLOW COMPACTION EQUIPMENT TO BE OPERATED AT THE OUTER LIMITS OF THE FINAL SLOPE SURFACE. THE EXCESS FILL IS TO BE REMOVED PRIOR TO COMPLETION OF ROUGH GRADING. OTHER CONSTRUCTION PROCEDURES MAY BE USED WHEN IT IS DEMONSTRATED TO THE SATISFACTION OF THE BUILDING OFFICIAL THAT THE ANGLE OF SLOPE, CONSTRUCTION METHOD AND OTHER FACTORS WILL HAVE EQUIVALENT EFFECT. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE.)
14. SEE SPECIAL INSPECTION GENERAL NOTES FOR INSPECTION REQUIREMENTS.

REINFORCING STEEL:

1. DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO STANDARDS AND RECOMMENDATIONS CONTAINED WITHIN THE CRSI “MANUAL OF STANDARD PRACTICE”. DETAILING FABRICATION AND PLACING OF WELDED WIRE REINFORCING SHALL CONFORM TO THE STANDARDS AND RECOMMENDATIONS CONTAINED WITHIN THE WRI “MANUAL OF STANDARD PRACTICE - STRUCTURAL WELDED WIRE REINFORCEMENT”.
2. REINFORCING BARS (REBAR), STEEL WELDED WIRE REINFORCING (WWR), AND TIE WIRE USED TO SECURE REBAR AND WWR SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS, UNO:
   A. REINFORCING, (ALL BAR SIZES, UNO): ____ ASTM A-615, GR 60
   B. REINFORCING BARS TO BE WELDED (ALL BAR SIZES UNO): ____ ASTM A-706, GR 60
   C. WELD WIRE REINFORCING: ____ ASTM A-1064
   D. TIE WIRE: ____ ASTM A-82
3. ALL REINFORCING STEEL SHALL BE BENT COLD. GRADE 60 BARS MAY ONLY BE BENT ONCE, STRAIGHTENING AND/OR RE-BENDING IS NOT ALLOWED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SEQUENCE PLACEMENT OF REINFORCING SUCH THAT INCIDENTAL BENDING DOES NOT OCCUR.
4. PRIOR TO PLACING CONCRETE; REINFORCING STEEL, INCLUDING WWR, AND OTHER EMBEDDED ITEMS SHALL BE WELL-SECURED IN POSITION AND SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. WHERE TWO LAYERS OF REINFORCING STEEL ARE REQUIRED (I.E. FOOTING PADS OR SLABS) PROVIDE APPROPRIATE CHAIRS TIED TO AND SUPPORTED BY LOWER MAT OF REINFORCING TO SUPPORT THE UPPER MAT OF REINFORCING. “HOOK AND PULL” METHODS SHALL NOT BE ALLOWED.
5. CONCRETE PROTECTION FOR REINFORCING BARS SHALL BE AT LEAST EQUAL TO THE DIAMETER OF THE BAR. MINIMUM COVER FOR CAST IN PLACE CONCRETE SHALL BE AS FOLLOWS:
   A. CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND:
      - ALL MEMBERS, ALL REINFORCEMENT: ____ 3”
   B. EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      - ALL MEMBERS, #6 THROUGH #18 BARS: ____ 2”
      - ALL MEMBERS, #5, W31 OR D31 WIRE AND SMALLER ____ 1 1/2”
   C. NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      - SLABS, JOISTS, WALLS; #14 AND #18 BARS: ____ 1 1/2”
      - SLABS, JOISTS, WALLS; #11 BARS AND SMALLER: ____ 3/4”
      - BEAMS, COLUMNS; PRIMARY REINF, STIRRUPS, TIES, SPIRALS AND HOOPS: ____ 1 1/2”
6. MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A SINGLE LAYER SHALL NOT BE LESS THAN 1 1/2”, 4/3 TIMES LARGEST AGGREGATE, 1 1/2 TIMES DIAMETER OF THE LARGER BAR, WHICHEVER IS GREATER. WHERE PARALLEL REINFORCING IS PLACED IN TWO OR MORE LAYERS, BARS IN THE UPPER LAYERS SHALL BE PLACED DIRECTLY ABOVE THE BARS IN LOWER LAYERS WITH NOT LESS THAN 1” CLEAR SPACE BETWEEN LAYERS.
7. DEVELOPMENT AND LAP SPLICE LENGTHS FOR REINFORCING STEEL AND WELDED WIRE REINFORCING SHALL BE AS NOTED ON PLANS AND DETAILS CONTAINED THEREIN. WHERE SPLICE LOCATIONS ARE NOT SPECIFICALLY INDICATED, SPLICES SHALL BE STAGGERED A MINIMUM OF ONE (1) LAP LENGTH. WHERE SPECIFIC LAP LENGTH REQUIREMENTS ARE NOT SPECIFICALLY SHOW ON PLANS, THE FOLLOWING MINIMUM LENGTHS SHALL BE USED:
   A. REBAR IN CONCRETE: ____ SEE TYPICAL DETAILS
   B. REBAR IN MASONRY: ____ SEE TYPICAL DETAILS
   C. WWR IN CONCRETE: ____ 1 1/2 x WIRE GRID SPACES (9” MIN)
8. COMPLETE REINFORCING PLACEMENT DRAWINGS (SHOP DRAWINGS) SHALL BE PREPARED IN ACCORDANCE WITH ACI 315 AND SHALL BE SUBMITTED TO THE SEOR FOR REVIEW PRIOR TO FABRICATION. APPROVED SHOP DRAWINGS SHALL BE MADE AVAILABLE ON THE JOB SITE PRIOR TO PLACING OF CONCRETE. SEE SUBMITTALS SECTION OF THE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
9. CONTRACTOR SHALL SCHEDULE SPECIAL INSPECTIONS SO THAT BAR SIZE, SPACING, LAP SPLICE AND EMBEDMENT LENGTH OF REINFORCING BARS, AND THE LOCATION OF CONDUIT, SLEEVES AND EMBEDDED ITEMS, MAY BE CORRECTED, IF NECESSARY, PRIOR TO PLACEMENT OF OVERLYING GRIDS OF REINFORCING STEEL AND/OR PLACEMENT OF CONCRETE.
10. WHEN CALLED FOR ON PLANS, WELDING OF REINFORCING STEEL, INCLUDING DETAILS, PROCEDURES, AND WORKMANSHIP, SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/AWS D1.4 - “STRUCTURAL WELDING CODE - REINFORCING STEEL” AS PUBLISHED BY THE AMERICAN WELDING SOCIETY. THE FOLLOWING ADDITIONAL CRITERIA SHALL BE MET:
    A. DEFORMED STEEL BARS CONFORMING TO ASTM A-706, GRADE 60 MAY BE WELDED WITHOUT QUALIFICATION.
    B. REINFORCING STEEL CONFORMING TO ASTM A-615, GRADE 60, WITH A CARBON EQUIVALENT OF 0.65% OR LESS, AS ESTABLISHED BY THE MANUFACTURER'S CHEMICAL ANALYSIS, MAY BE WELDED WITHOUT PRIOR QUALIFICATIONS TESTS.
    C. REINFORCING STEEL WITH A CARBON EQUIVALENT GREATER THAN 0.65% AND LESS THAN OR EQUAL TO 0.75%, AS ESTABLISHED BY THE MANUFACTURER'S CHEMICAL ANALYSIS, SHALL NOT BE WELDED UNLESS PRIOR QUALIFICATION TESTS VERIFY ACCEPTABLE WELDABILITY.
    D. REINFORCING STEEL WHOSE CHEMISTRY FOR CARBON EQUIVALENT WHICH CANNOT BE IDENTIFIED AND/OR IS UNKNOWN, AND REINFORCING STEEL WHOSE CARBON EQUIVALENT EXCEEDS 0.75%, SHALL NOT BE WELDED UNDER ANY CIRCUMSTANCES.
    E. REBAR SHALL BE WELDED USING E80XX ELECTRODES.
11. IF FUSION WELDED HOLDING WIRES ARE USED FOR FABRICATION OF REBAR CAGES OR MATS, THE FOLLOWING REQUIREMENTS AND LIMITATIONS SHALL APPLY:
    A. FUSION WELDING OF HOLDING WIRES IS ALLOWED FOR TIES, STIRRUPS, HOOPS IN BEAMS, COLUMNS, AND GRADE BEAMS TO PREASSEMBLE REINFORCING STEEL CAGES. FUSION WELDING IS NOT ALLOWED FOR LONGITUDINAL REINFORCING STEEL IN ANY BEAM, COLUMN, OR GRADE BEAM. THE HOLDING WIRE AREA SHALL NOT EXCEED 5% OF THE BEAM, COLUMN, OR GRADE BEAM CROSS SECTIONAL LONGITUDINAL STEEL AREA.
    B. FUSION WELDING OF HOLDING WIRES IS ALLOWED AT THE ENDS OF THE REINFORCING STEEL PLACED IN MATS (SPREAD FOOTINGS, SLAB REINFORCEMENT, ETC.) PROVIDED THAT THE FUSION WELD OCCURS WITHIN 6 BAR DIAMETERS OF THE FREE END OF THE BAR (E.G. NOT ALLOWED AT END OF COUPLED, T-HEADED, OR WELD SPLICED BARS).
    C. FUSION WELDING OF HOLDING WIRES SHALL NOT OCCUR ON A BENT PORTION OF A REINFORCING BAR. AFTER HOLDING WIRE HAS BEEN FUSION WELDED TO A REINFORCING BAR, THAT BAR MAY NOT BE BENT WHERE THE FUSION WELD OCCURS.
    D. THE HOLDING WIRES SHALL CONFORM TO ASTM A1064.
    E. ALL REINFORCING STEEL TO BE WELDED SHALL COMPLY WITH ASTM A706.
    F. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW INDICATING WHICH MEMBERS WILL USE FUSION WELDING PROCESS FOR PREASSEMBLY AND SHALL BE IN ACCORDANCE WITH THE GENERAL STRUCTURAL NOTES. PROVIDE COMPLETE STRUCTURAL DETAILS INDICATING THE SIZE OF STIRRUPS AND HOLDING WIRES AND WELDING REQUIREMENTS.
    G. WELDING SHALL BE DONE IN THE SHOP BY MACHINES USING ELECTRIC RESISTANCE WELDS AND UNDER A CONTINUOUS CONTROLLED PROCESS. SUBMIT A COMPLETE SHOP WELDING PROGRAM OUTLINING THE FOLLOWING:
       - TYPE OF THE SPECIFIC FUSION WELDING MACHINE (I.E. SCHNELL IDEA 12/25
       - PERIODIC INSPECTION OF THE IN-PLANT WELDING.
    H. FUSION WELDED REINFORCING STEEL SHALL HAVE ONE TENSILE TEST TAKEN FROM ONE SPECIMEN SAMPLED AT A RATE OF 2.5 TONS OR FRACTION THEREOF OF EACH SIZE OF REINFORCING STEEL FUSION WELDED. NO BEND TEST IS NECESSARY. THE SPECIMEN SHALL HAVE A HOLDING WIRE ATTACHED TO IT THAT NEED NOT BE REMOVED. THE ELONGATION REQUIREMENTS SHALL COMPLY WITH THE ASTM OF REINFORCING STEEL SPECIFIED ON THE CONSTRUCTION DOCUMENTS (E.G. IF A615 IS SPECIFIED, BUT A706 IS USED DUE TO WELDING REQUIREMENT, THEN A615 ELONGATION REQUIREMENTS SHALL BE SATISFIED). TEST RESULTS SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER OF RECORD.
12. WHERE REINFORCING SPLICES ARE WELDED OR MECHANICALLY COUPLED, THE SPLICE SHALL DEVELOP 1.25 Fy OF THE REINFORCING BAR.
13. AT MECHANICALLY COUPLED SPLICES, THE MINIMUM CLEAR COVER REQUIREMENT ON THE COUPLING DEVICE SHALL BE THE SAME AS FOR THE REINFORCING BAR BEING SPLICED.

CONCRETE:

1. ALL CONCRETE WORK SHALL CONFORM TO THE STANDARDS OF THE AMERICAN CONCRETE INSTITUTE (ACI), “ACI MANUAL OF CONCRETE PRACTICE” CURRENT EDITION, “SPECIFICATIONS FOR STRUCTURAL CONCRETE” (ACI 301), AND BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318).
2. WHEN SPECIFIED FOR USE, NORMAL WEIGHT (NWT) CONCRETE SHALL HAVE A DRY UNIT WEIGHT OF 150 ± 3 PCF. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33.
3. WHEN SPECIFIED FOR USE LIGHTWEIGHT (LWT) CONCRETE SHALL HAVE A DRY UNIT WEIGHT OF 110 ± 3 PCF. AGGREGATES FOR LIGHTWEIGHT CONCRETE SHALL BE EXPANDED SHALE AGGREGATE CONFORMING TO ASTM C330.
4. CEMENT SHALL CONFORM TO PORTLAND CEMENT ASTM C-150 (TYPE II) UNLESS NOTED OTHERWISE. WHEN USED IN THE CONCRETE MIX, FLY ASH SHALL CONFORM TO ASTM C618 CLASS F OR N.
5. MIXING WATER SHALL CONFORM TO ASTM C1602.
6. ADMIXTURES SHALL CONFORM TO THE FOLLOWING:
   A. WATER REDUCTION AND SETTING TIME MODIFICATION: ____ ASTM C494
   B. PRODUCING FLOWING CONCRETE: ____ ASTM C1017
   C. AIR ENTRAINMENT: ____ ASTM C260
   D. INHIBITING CHLORIDE-INDUCED CORROSION: ____ ASTM C1582
7. ALL NON-SHRINK GROUT SHALL CONFORM TO ASTM C1107/C1107M AND SHALL BE PRE-MIXED COMPOUND CONSISTING OF NON-METALLIC AGGREGATE, CEMENT AND WATER-REDUCING AND PLASTICIZING AGENTS.
   A. MINIMUM COMPRESSIVE STRENGTH AT 48 HOURS: ____ 2,000 PSI
   B. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: ____ 7,000 PSI
8. CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH (f'c) AT 28 DAYS AND SHALL MEET THE OTHER REQUIREMENTS INDICATED BELOW:
   A. FOOTINGS: ____ 3,000 PSI, NWT, 1 1/2” AGGREGATE, 0.45 W/C
   B. ALL OTHER CONCRETE: ____ 3,000 PSI, NWT, 1” AGGREGATE, 0.45 W/C
9. MAXIMUM SLUMP FOR CONCRETE MIXES SHALL BE 5” TYPICALLY AND 4” FOR ALL FLATWORK, WHETHER ON GRADE OR ELEVATED, EXCEPT WHEN A HIGH RANGE WATER REDUCING ADMIXTURE IS SPECIFIED FOR USE IN THE CONCRETE MIX DESIGN, SLUMP SHALL BE A MAXIMUM OF 9".
10. CONCRETE MIX DESIGN SHALL BE PREPARED BY AN APPROVED TESTING LAB AND A REGISTERED CIVIL ENGINEER AND SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD (SEOR) FOR REVIEW. CONCRETE MIX DESIGN SUBMITTALS SHALL BE STAMPED AND SIGNED BY THE LICENSED ENGINEER RESPONSIBLE FOR THE MIX DESIGN.
11. WHEN USED, AIR ENTRAINMENT SHALL NOT BE MORE THAN 5%.
12. ALL FURNISHED CONCRETE MIX DESIGNS SHALL REFLECT PROVEN CONCRETE SHRINKAGE CHARACTERISTICS OF 0.0004 IN/IN (0.04%) FINAL SHRINKAGE STRAIN OR LESS AT ALL SLABS (INCLUDING TOPPING SLABS WHERE THEY OCCUR), AND 0.0006 IN/IN (0.06%) FINAL SHRINKAGE STRAIN OR LESS AT OTHER CONCRETE ELEMENTS, AS DETERMINED IN ACCORDANCE WITH ASTM C157.
13. CONCRETE SHALL BE CONVEYED TO FINAL LOCATION BY METHODS THAT PREVENT SEGREGATION OR LOSS OF CONSTITUENTS AND ENSURE THE REQUIRED CONCRETE QUALITY.
14. WATER SHALL NOT BE ADDED TO CONCRETE AT THE SITE.
15. LOCATE CONSTRUCTION AND/OR CONTROL JOINTS AS INDICATED IN CONTRACT DOCUMENTS AND/OR SUBMIT INFORMATION FOR ACCEPTANCE OF PROPOSED LOCATION AND TREATMENT OF JOINTS NOT INDICATED IN CONTRACT DOCUMENTS.
16. ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED TO 1/4” AMPLITUDE, THOROUGHLY CLEANED AND ALL LAITANCE REMOVED. LONGITUDINAL KEYWAYS, 1 1/2” DEEP, SHALL BE USED WHERE INDICATED IN THE CONTRACT DOCUMENTS. ALL JOINTS SHALL BE THOROUGHLY DAMPENED, BUT WITHOUT STANDING WATER, IMMEDIATELY BEFORE PLACING NEW CONCRETE.
17. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES TO VERIFY THE LOCATION OF ALL ITEMS SUCH AS, BUT NOT LIMITED TO, SLEEVES, ANCHORS, ANCHOR BOLTS, CONDUITS, EMBED PLATES ETC. TO BE INSTALLED WITHIN CONCRETE ELEMENTS. EMBEDDED ITEMS NOT SPECIFICALLY SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE LOCATED BY THE TRADES/SUB-CONTRACTORS INVOLVED, AND SHALL BE REVIEWED BY THE SEOR PRIOR TO PLACEMENT OF CONCRETE. IN COORDINATING THE LOCATION OF EMBEDDED ITEMS NOT OTHERWISE LOCATED IN THE STRUCTURAL DRAWINGS, PRIORITY SHALL BE GIVEN TO MAINTAIN SPACING AND CONTINUITY OF ALL REINFORCING. EMBEDDED ITEMS SHALL BE WELL DISTRIBUTED TO AVOID CLUSTERING IN SUCH A MANNER AS TO REQUIRE CUTTING OR RELOCATION OF REINFORCING STEEL.
18. UNLESS OTHERWISE NOTED, BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM F-1554 GR 36. ALL EMBEDDED ANCHOR BOLTS SHALL BE HEADED-TYPE. DO NOT USE J-TYPE BOLTS.
19. UNLESS OTHERWISE NOTED, A 3/4” CHAMFER SHALL BE PROVIDED AT EXPOSED EDGES OF CONCRETE BEAMS AND COLUMNS.
20. PRIOR TO PLACING CONCRETE, ALL EMBEDDED ITEMS, INCLUDING REINFORCING STEEL, SHALL BE WELL SECURED IN POSITION. CONCRETE SHALL NOT BE POURED UNTIL ALL FORMS AND REINFORCING HAVE BEEN INSPECTED, ALL PREPARATIONS FOR THE PLACEMENT HAVE BEEN COMPLETED, AND THE PREPARATIONS HAVE BEEN REVIEWED BY THE PROJECT INSPECTOR.
21. ONLY ONE GRADE OF CONCRETE SHALL BE ALLOWED AT THE JOB SITE AT ANY ONE TIME.
22. CONCRETE TO BE PLACED DURING COLD WEATHER SHALL COMPLY WITH ACI 306R, “GUIDE TO COLD WEATHER CONCRETING” AND ACI 306.1, “STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING”.
23. CONCRETE TO BE PLACED DURING HOT WEATHER SHALL COMPLY WITH ACI 305R, “GUIDE TO HOT WEATHER CONCRETING” AND ACI 305.1, “STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING”.
24. CONCRETE SHALL BE MAINTAINED IN A CONTINUOUSLY MOIST CONDITION ABOVE 50F FOR A MINIMUM OF SEVEN (7) DAYS AFTER PLACEMENT. THE 7-DAY REQUIREMENT MAY BE REDUCED TO 3 DAYS FOR HIGH-EARLY-STRENGTH CONCRETE. ALTERNATE ACCELERATED CURING METHODS MAY BE APPROVED BY THE SEOR IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
25. THE CONTRACTOR SHALL DEVELOP A PROCEDURE AND SCHEDULE FOR REMOVAL OF SHORES AND INSTALLATION OF RE-SHORES, AS REQUIRED. NO CONSTRUCTION LOADS SHALL BE SUPPORTED ON, NOR ANY SHORING REMOVED FROM, ANY PART OF THE ELEVATED STRUCTURE UNDER CONSTRUCTION EXCEPT WHEN THE CONTRACTOR'S ANALYSIS, PROCEDURES AND SCHEDULE INDICATE THAT THE SUBJECT PART OF THE STRUCTURE HAS SUFFICIENT STRENGTH AND STIFFNESS TO SUPPORT ITS WEIGHT AND LOAD PLACED THEREON WITHOUT ADVERSE EFFECT. AT A MINIMUM, ALL ELEVATED STRUCTURAL MEMBERS SHALL BE SHORED UNTIL CONCRETE HAS REACHED DESIGN STRENGTH AND ORIGINAL SHORING OR RE-SHORING SHALL REMAIN IN PLACE FOR A MINIMUM OF 28 DAYS.
26. FOOTINGS SUPPORTING BUILDING LOADS, CONSISTING OF COLUMN OR WALL SELF-WEIGHT, FORMWORK AND/OR REINFORCING STEEL, SHALL NOT BE FURTHER LOADED UNTIL THE FOOTING CONCRETE REACHES DESIGN STRENGTH AND THE CONCRETE HAS CURED FOR A MINIMUM OF 7 DAYS.
27. ALL CONCRETE SHALL BE TESTED AND INSPECTED AS REQUIRED PER THE SPECIAL INSPECTION SECTION OF THESE GENERAL NOTES.

REVIEWED FOR CONFORMANCE TO THE REFERENCED GEOTECHNICAL REPORT DATED 4/27/23 (Revised 3/22/24)
JAMES E. HARRIS V
No. C91562
CIVIL
DATED: 10-31-24
FOR: GEOTECHNICAL PROFESSSIONALS INC.

DATE:	NO.	REMARKS:	BY:
9-26-24	1	PLAN CHECK RESUBMITTAL – SOILS REPORT	
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PUBLIC WORKS
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF SECURE YOUTH TRACK FACILITY SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230,
PCS ID: 2241

LOCATION :

16350 FILBERT STREET,
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ARCHITECT :

JTC architects, inc.
65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: 37603.0D

SEAL :

RICK L. BEALL
No.3503

CONSULTANT :

MHP
STRUCTURAL ENGINEERS
LONG BEACH • SAN DIEGO
LONG BEACH OFFICE
3900 Cover Street, Long Beach
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Project: 23-0120-00

TITLE:

STRUCTURAL NOTES AND ABBREVIATIONS

SCALE: NONE
DATE: 02-04-25
DRAWN BY: GL
CHECKED BY: GM, SH
SHEET NUMBER:

S-0.01

STRUCTURAL AND MISCELLANEOUS STEEL:

1. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (AISC 360), LATEST EDITION, AND SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 341) LATEST EDITION.
2. ALL WELDING SHALL COMPLY WITH AWS SPECIFICATION D1.1/D1.1M. WELDING ON PARTS OF THE SEISMIC FORCE RESISTING SYSTEM (SFRS) SHALL ALSO CONFORM TO AWS D1.8/D1.8M. WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED.
3. WELDING PROCEDURE SPECIFICATIONS (WPS) SHALL BE SUBMITTED FOR REVIEW FOR EACH WELD TYPE, WELDING PROCESS, WELDING ELECTRODE CLASSIFICATION AND/OR BASE MATERIAL (WHERE ASTM GRADE OR ALLOY VARIES) SHOWN ON THE DRAWINGS IN CONFORMANCE WITH AWS D1.1/D1.1M, D1.4/D1.4M AND D1.8/D1.8M AS APPLICABLE. EACH WPS SHALL BE RECORDED ON FORMS RECOMMENDED BY THE APPLICABLE AWS STANDARD AND SHALL BE REVIEWED BY AN AWS SCWI CERTIFIED INSPECTOR AND SUBMITTED TO THE SEOR AND, IF THE PROJECT IS GOVERNED BY DSA OR OSHPD, THE INSPECTOR OF RECORD (IOR) FOR REVIEW. IF A WELD ASSEMBLY NOTED ON PLANS DOES NOT FALL WITHIN THE PREQUALIFIED CRITERIA, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A WELDING PROCEDURE QUALIFICATION RECORD FOR THE SPECIFIED WELD AS PART OF THE WPS SUBMITTAL.
4. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATION (UNLESS NOTED OTHERWISE):
   - A. WIDE FLANGE SECTIONS (W,WT)____ASTM A-992____FY=50KSI
   - B. CHANNELS AND MISC SHAPES (C,MC,S,M)____ASTM A-36____FY=36KSI
   - C. ANGLES AND PLATES____ASTM A-36____FY=36KSI
   - D. PIPE (STD,X-STRG,XX-STRG)____ASTM A-53 TYPE E, GR B____FY=35KSI
   - E. HSS TUBE (SQ,RECTANG)____ASTM A-500, GR C____FY=50KSI
SULFUR CONTENT SHALL BE LESS THAN OR EQUAL TO 0.05%
   - F. HSS TUBE (ROUND)____ASTM A-500, GR C____FY=46KSI
SULFUR CONTENT SHALL BE LESS THAN OR EQUAL TO 0.05%
5. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND SEOR FOR REVIEW PRIOR TO FABRICATION AND ERECTION, IN ACCORDANCE WITH NOTE 12 OF GENERAL STRUCTURAL NOTES.
6. WHEN FABRICATING BEAMS PLACE NATURAL CAMBER UP. A TOLERANCE OF + 0, -1/4 INCH MAY BE APPLIED TO ALL SPECIFIED CAMBERS.
7. AFTER FABRICATION, ALL STEEL SHALL BE CLEANED FREE OF RUST, LOOSE MILL SCALE, AND OIL.
8. ALL STEEL EXPOSED TO MOISTURE OR WEATHER SHALL BE HOT-DIPPED GALVANIZED, UNLESS NOTED OTHERWISE. GALVANIZING SHALL BE IN CONFORMANCE WITH ASTM A123 AND A153. REPAIR GALVANIZING AFTER WELDING SHALL BE IN ACCORDANCE WITH ASTM A780.
9. HOT-DIP GALVANIZE OR PROVIDE THREE-INCH (3") MINIMUM CONCRETE COVER AROUND ALL STRUCTURAL STEEL BELOW GRADE.
10. SEE ARCHITECTURAL DRAWINGS FOR PAINTING OF STRUCTURAL STEEL. STRUCTURAL STEEL EMBEDDED IN CONCRETE OR MASONRY SHALL BE UNPAINTED.
11. WHERE CARBON STEEL IS IN CONTACT WITH STAINLESS STEEL OR WHERE EITHER CARBON OR STAINLESS STEEL IS IN CONTACT WITH ALUMINUM, PHENOLIC SHIM OR BREAK SHALL BE INSTALLED TO SEPARATE DISSIMILAR METALS.
12. BOLTS, THREADED RODS, AND WASHERS SHALL CONFORM TO THE FOLLOWING, UNO:
   - A. MACHINE BOLTS____ASTM A-307
   - B. HIGH STRENGTH BOLTS____ASTM A-325-N OR A-490
   - C. THREADED RODS, UNO____ASTM F1554 GR36
   - D. WELDED HEADED STUDS____ASTM A-108, GRADE 1010-1020
   - E. WASHERS____ASTM F-436
   - F. WASHERS AT NON-SEISMIC/WIND-RESISTING-FRAME COLUMNS WHERE HOLES AT COLUMN BASE PLATE ARE OVER-SIZED, ONLY WHEN REQUESTED BY CONTRACTOR AND APPROVED BY SEOR:____ASTM F-436 5/16" THICK
   - G. ANCHOR BOLTS IN CONCRETE OR MASONRY____ASTM F-1554, GR 36
   - H. HIGH STRENGTH ANCHOR BOLTS IN CONCRETE____ASTM F-1554, GR 105
13. ANCHOR BOLTS SHALL BE HEADED. J-BOLTS SHALL NOT BE USED.
14. BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO 3/4" DIAMETER BOLTS UNLESS SHOWN OTHERWISE.
15. UNLESS NOTED OTHERWISE, BOLTS SHALL BE INSTALLED "SNUG TIGHT". THE SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLIES OF THE JOINT ARE IN FIRM CONTACT. BOLTS OF SLOTTED CONNECTIONS SHALL BE INSTALLED "HAND TIGHT" ONLY, WITH THREADS SPOILED. THE HAND TIGHT CONDITION IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN THE WASHER AND BOLT HEAD ARE BROUGHT INTO FULL CONTACT WITH WEB OR SHEAR TAB WITH A SPUD WRENCH AND THE NUT IS THEN BACKED OFF ONE QUARTER OF A TURN. WHERE SLOTTED CONNECTIONS ARE INDICATED, THE WASHER SHALL BE PLACED OVER THE SLOTTED HOLE. BOLTS INDICATED AS SLIP-CRITICAL SHALL BE PRE-TENSIONED PER SECTION 8.2 OF SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS.
16. HOLES FOR BOLTED CONNECTIONS AND ANCHOR BOLTS SHALL BE AISC "STANDARD" HOLES LIMITED TO 1/16-INCH LARGER IN DIAMETER THAN NOMINAL BOLT DIAMETER FOR 7/8-INCH DIAMETER BOLTS AND SMALLER, AND 1/8-INCH LARGER IN DIAMETER THAN NOMINAL BOLT DIAMETER FOR 1-INCH AND LARGER BOLTS, UNLESS NOTED OTHERWISE. OVERSIZED AND SLOTTED HOLES REQUIRE THE APPROVAL OF THE SEOR, UNLESS SPECIFICALLY DETAILED ON THE APPROVED DRAWINGS.
17. PROVIDE BEVELED WASHERS WHERE JOINT FACE SLOPE IS GREATER THAN 1:20.
18. SEE CONCRETE GENERAL NOTES FOR NON-SHRINK GROUT SPECIFICATIONS.
19. FLANGE STIFFENER PLATES SHALL BE ORIENTED SO THAT ROLLING DIRECTION OF PLATE IS PARALLEL WITH DIRECTION OF PRINCIPLE STRESS.
20. ALL STRUCTURAL STEEL WELDING SHALL BE PERFORMED WITH E70XX ELECTRODES.
21. WHERE FILLET WELD SYMBOL IS SHOWN WITHOUT INDICATION OF THROAT SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED BELOW:

TABLE J2.4
MINIMUM SIZE OF FILLET WELDS

MATERIAL THICKNESS OF THINNER PART JOINED	MINIMUM SIZE OF FILLET WELD
TO 1/4" (6MM) INCLUSIVE	1/8" (3MM)
OVER 1/4" (6MM) TO 1/2" (13MM)	3/16" (5MM)
OVER 1/2" (13MM) TO 3/4" (19MM)	1/4" (6MM)
OVER 3/4" (19MM)	5/16" (8MM)

22. WHERE LENGTH OF WELD IS NOT INDICATED, WELD SHALL BE FULL LENGTH OF JOINT.
23. ALL COMPLETE- AND PARTIAL-JOINT-PENETRATION GROOVE WELDS SHALL BE PERFORMED USING "INNERSHIELD" AND "ML-2" SEMI-AUTOMATIC EQUIPMENT.
24. SEE SPECIAL INSPECTION AND TESTING NOTES FOR INSPECTION AND TESTING REQUIREMENTS.

POST-INSTALLED ANCHORS:

1. POST INSTALLED ANCHOR NOTES IN THIS SECTION SHALL APPLY TO ALL ANCHORS (INCLUDING THREADED ROD OR REINFORCING BARS) INSTALLED INTO HARDENED CONCRETE OR MASONRY EXCEPT FOR POWDER DRIVEN FASTENERS, AS APPLICABLE, SEE POWDER DRIVEN FASTENER GENERAL NOTES FOR MORE INFORMATION.
2. INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS AND THE APPLICABLE EVALUATION REPORT AND SHALL BE INSTALLED BY PERSONNEL TRAINED TO INSTALL THE TYPE OF POST-INSTALLED ANCHOR BEING INSTALLED.
3. LOCATE EXISTING REINFORCING BY NON-DESTRUCTIVE METHODS PRIOR TO DRILLING. EXISTING REINFORCING SHALL NOT BE CUT OR DAMAGED.
4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF F'C = 2500 PSI, BE A MINIMUM OF 21 DAYS OLD AND HAVE A MINIMUM TEMPERATURE OF 50 DEGREES FAHRENHEIT WHEN DRILLING OCCURS.
5. HOLES FOR INSTALLATION OF THE POST-INSTALLED ANCHOR SHALL BE DRILLED USING A DRILL THAT HAS A CARBIDE-TIPPED BIT THAT COMPLIES WITH ANSI B212.15. A REBAR CUTTING DRILL BIT IS NOT ALLOWED.
6. CONTRACTOR SHALL USE APPROPRIATE EQUIPMENT AND METHODS AS REQUIRED TO PROVIDE DRILLED HOLES FOR POST-INSTALLED ANCHORS IN ACCORDANCE WITH APPLICABLE STANDARDS, MANUFACTURER'S RECOMMENDATIONS, AND QUALIFYING (ICC) TEST REPORTS. CARE SHALL BE TAKEN TO PREVENT OVERSIZING, OVALING, AND/OR BLOW-OUT THROUGH THE BACK FACE OF THE DRILLED MEMBER. IF OVERSIZING, OVALING, AND/OR BLOW-OUT OCCURS, THE EMPLOYED EQUIPMENT AND METHODS SHALL BE DISCONTINUED. ADDITIONAL DRILLING SHALL NOT BE RESUMED UNTIL THE SEOR HAS PROVIDED APPROVED REPAIR PROCEDURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL SUCH REPAIRS. WHEN RESUMING DRILLING, THE CONTRACTOR SHALL MODIFY THE PROCEDURES AS NECESSARY TO PREVENT FURTHER DAMAGE.
7. HOLES SHALL BE CLEANED OF DUST AND DEBRIS, USING A WIRE BRUSH AND COMPRESSED AIR OR MANUFACTURER'S BLOW-OUT BULB (AS PER MANUFACTURER'S RECOMMENDATIONS) AS REQUIRED TO REMOVE PARTICULATE DEBRIS AND TO ACHIEVE A RELATIVELY DUST-FREE SURFACE.
8. OIL, SCALE, AND RUST SHALL BE REMOVED FROM THE POST-INSTALLED ANCHOR AND HOLES SHALL BE DRY, PRIOR TO INSTALLATION.
9. POST-INSTALLED EMBEDMENT DEPTHS NOTED ON THE PLANS OR DETAILS ARE NOMINAL (I.E. MEASURED FROM FACE OF CONCRETE OR MASONRY TO EMBEDDED TIP OF ANCHOR/REBAR). FOR CORRESPONDING HOLE DEPTH, REFER TO APPLICABLE EVALUATION REPORT.
10. APPROVED ADHESIVE ANCHOR SYSTEMS (AND ANCHOR SPECIFICATION) AND EVALUATION REPORTS ARE AS FOLLOWS:
    - A. CONCRETE:
      - HILTI HIT-RE 500 V3 (ISO 898 CLASS 5.8)____ESR-3814
      - HILTI HIT-HY 200 (ISO 898 CLASS 5.8)____ESR-3187
    - B. SOLID-GROUTED CONCRETE MASONRY (CMU):
      - DEWALT AC100+GOLD (A36)____ESR-3200
    - C. HORIZONTAL SLAB-ON-GRADE DOWELS:
      - HILTI HIT-RE 100____ESR-3829
      - SIMPSON SET-XP____ESR-2508
11. ALL EXPANSION ANCHORS SHALL BE INSTALLED WITH THE REQUIRED TORQUE AS NOTED IN THE APPLICABLE EVALUATION REPORT. APPROVED EXPANSION ANCHORS AND EVALUATION REPORTS ARE AS FOLLOWS:
    - A. CONCRETE NOT EXPOSED TO WEATHER:
      - HILTI KWIK BOLT-TZ 2 ANCHORS____ESR-4266
      - SIMPSON STRONG-TIE STRONG-BOLT 2 WEDGE ANCHOR____ESR-3037
    - B. CONCRETE EXPOSED TO WEATHER:
      - STAINLESS STEEL HILTI KWIK BOLT-TZ 2 ANCHORS____ESR-4266
      - STAINLESS STEEL SIMPSON STRONG-TIE STRONG-BOLT 2 WEDGE ANCHOR____ESR-3037
    - C. SOLID-GROUTED CONCRETE MASONRY (CMU):
      - HILTI KWIK BOLT-TZ 2 ANCHORS____ESR-4561
12. WHERE APPLICABLE, EXPANSION ANCHORS SHALL BE INSTALLED WITH THE MINIMUM TORQUE, USING A CALIBRATED TORQUE WRENCH. EXPANSION ANCHORS ANCHORS MUST ATTAIN THE SPECIFIED TORQUE WITHIN ONE HALF TURN OF THE NUT, EXCEPT 3/8" DIAMETER EXPANSION ANCHORS ANCHORS MUST ATTAIN SPECIFIED TORQUE WITHIN ONE QUARTER TURN OF THE NUT.
13. ALL SCREW ANCHORS SHALL BE INSTALLED WITH THE REQUIRED TORQUE AS NOTED IN THE APPLICABLE EVALUATION REPORT. APPROVED SCREW ANCHORS AND EVALUATION REPORTS ARE AS FOLLOWS:
    - A. CONCRETE:
      - HILTI KH-EZ OR KH-EZ P ANCHORS____ESR-3027
      - DEWALT SCREW-BOLT+____ESR-3889
      - DEWALT TAPPER+____ESR-3068
      - SIMPSON TITEN HD____ESR-2713
      - ITW RED HEAD TAPCON+____ESR-3699
    - B. SOLID-GROUTED CONCRETE MASONRY (CMU):
      - HILTI KH-EZ OR KH-EZ P ANCHORS____ESR-3056
      - DEWALT SCREW-BOLT+____ESR-4042
      - DEWALT ULTRACON+____ESR-3196
      - SIMPSON TITEN HD____ESR-1056
14. INSTALLATION TORQUES FOR SCREW ANCHORS SHALL BE AS NOTED BELOW:
15. SEE SPECIAL INSPECTION AND TESTING NOTES FOR INSPECTION REQUIREMENTS.

SPECIAL INSPECTIONS:

1. THE OWNER, OR THE OWNER'S AUTHORIZED AGENT (OTHER THAN THE CONTRACTOR AS APPLICABLE) SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS, INCLUDING AS APPLICABLE AN INSPECTOR OF RECORD (IOR), WHO SHALL PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR CERTAIN TYPES OF WORK WHEN SO SPECIFIED IN THE CONTRACT DOCUMENTS AND PROJECT SPECIFICATIONS. WHERE AN IOR IS REQUIRED BY THE GOVERNING AGENCY, THE IOR MAY PERFORM SPECIAL INSPECTIONS IF THAT PERSON IS QUALIFIED PER THE GOVERNING AGENCY'S STANDARDS FOR THE SPECIAL INSPECTION REQUIRED. WHERE AN IOR IS NOT REQUIRED, THESE SPECIAL INSPECTIONS SHALL BE IN ADDITION TO AND COMPLEMENTARY WITH THE INSPECTIONS PROVIDED BY THE GOVERNING AGENCY.
2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON FROM AN APPROVED AGENCY CONFORMING TO ASTM C1077 WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE GOVERNING AGENCY, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
3. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE DESIGN DRAWINGS, SPECIFICATIONS AND APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE AND OTHER APPLICABLE REGULATIONS IDENTIFIED WITHIN THE CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR CORRECTION AND THEN, IF UNCORRECTED, TO THE ATTENTION OF THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE GOVERNING AGENCY. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE SPECIAL INSPECTOR AND SCHEDULE THE SPECIAL INSPECTIONS WITH ADEQUATE TIME TO ADDRESS ANY AND ALL POTENTIAL DISCREPANCIES PRIOR TO PROCEEDING WITH SUBSEQUENT WORK THAT COVERS OR OTHERWISE MAKES INACCESSIBLE ANY WORK IDENTIFIED AS DEVIATING FROM THE PROJECT REQUIREMENTS.
4. THE SPECIAL INSPECTOR SHALL FURNISH REGULAR INSPECTION REPORTS TO THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE GOVERNING AGENCY IDENTIFYING THE WORK INSPECTED AND ANY UNCORRECTED DISCREPANCIES FROM THE CONSTRUCTION DOCUMENTS. AT THE CONCLUSION OF THE PROJECT OR THE SPECIAL INSPECTORS ASSIGNED SCOPE OF WORK, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF HIS OR HER KNOWLEDGE, COMPLETED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS (INCLUDING APPROVED RFI'S, ADDENDUMS, ETC.) AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE AND OTHER APPLICABLE REGULATIONS IDENTIFIED WITHIN THE CONSTRUCTION DOCUMENTS.
5. UNLESS NOTED OTHERWISE, SPECIAL INSPECTIONS INDICATED BELOW SHALL BE PROVIDED IN EITHER A CONTINUOUS OR PERIODIC CAPACITY, AS DEFINED BELOW, AS REQUIRED BY THE INDIVIDUAL CODE OR REFERENCED STANDARD.
6. CONTINUOUS - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
7. PERIODIC - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED. FOR STRUCTURAL STEEL, PERIODIC INSPECTION IS FURTHER DEFINED SUCH THAT ITEMS ARE OBSERVED ON A RANDOM BASIS.
8. FOR STRUCTURAL STEEL WELDING AND BOLTING, SPECIAL INSPECTION SHALL BE PROVIDED IN EITHER AN OBSERVE OR PERFORM CAPACITY AS DEFINED BELOW:
   - OBSERVE (O) - INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS
   - PERFORM (P) - INSPECTOR SHALL OBSERVE OR PERFORM SPECIFIED TASK FOR EACH WELDED OR BOLTED JOINT OR MEMBER
9. QUALITY CONTROL (QC) INSPECTION TASKS SHALL BE PERFORMED BY THE FABRICATOR'S OR ERECTOR'S QC INSPECTOR (QCI) AS INDICATED. QUALITY ASSURANCE (QA) INSPECTION TASKS SHALL BE PERFORMED BY THE QA INSPECTOR (QAI) AS INDICATED. WHEN A TASK IS INDICATED TO BE PERFORMED BY BOTH THE QAI AND QCI, COORDINATION IS PERMITTED SO THAT THE INSPECTION FUNCTIONS ARE PERFORMED BY ONLY ONE PARTY. WHEN THE QAI RELIES ON THE QCI, THE APPROVAL OF THE SEOR AND AGENCY HAVING JURISDICTION IS REQUIRED.
10. THE FOLLOWING CONSTRUCTION ELEMENTS AND MATERIALS SHALL BE INSPECTED AND EVALUATED BY A SPECIAL INSPECTOR IN ACCORDANCE WITH THE NOTED CBC SECTIONS AND REFERENCED STANDARDS, WHERE ELEMENTS AND MATERIALS ARE PRESENT ON THE PROJECT. SEE GENERAL NOTES FOR EACH MATERIAL FOR ADDITIONAL REQUIREMENTS, IN ADDITION TO TABLES AND NOTES BELOW:

FOUNDATION SPECIAL INSPECTION TABLES:

REQUIRED VERIFICATION AND INSPECTION OF SOILS PER CBC TABLE 1705.6

VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	---	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	---	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	---	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	---
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	---	X

REQUIRED VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS PER CBC TABLE 1705.8

VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	X	---
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	---

FOUNDATION SPECIAL INSPECTION NOTES:

1. FOR STEEL, CONCRETE OR CONCRETE-FILLED ELEMENTS PERFORM ADDITIONAL INSPECTIONS INDICATED BELOW AS APPLICABLE.

CONCRETE SPECIAL INSPECTION TABLE:

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION PER CBC TABLE 1705.3

VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA	
			MISC. STANDARDS	CBC
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	---	X	ACI 318: CH. 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAX. 5/16";	X	X X	AWS D1.4 ACI 318: CH 26.5.4	---
C. INSPECT ALL OTHER WELDS				
3. INSPECTION OF ANCHORS CAST IN CONCRETE		X	ACI 318: CH 17.8.2	---
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (SEE NOTE 1 BELOW): A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A.	X	X	ACI 318: CH 17.8.2.4	---
5. VERIFY USE OF REQUIRED DESIGN MIX	---	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS (SEE NOTE 2 BELOW), PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	---	ASTM C 172 ASTM C 31 ACI 318: CH 26.4.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	---	ACI 318: CH 26.4.5	1908.6, 1908.7, 1910.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	---	X	ACI 318: CH 5.11-5.13	1908.9
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	---	X	ACI 318: CH 26.10.1(B)	---

CONCRETE SPECIAL INSPECTION NOTES:

1. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION ARE INCLUDED IN THE RESEARCH REPORT FOR EACH POST-INSTALLED ANCHOR ISSUED BY AN APPROVED SOURCE. THESE SPECIAL INSPECTION REQUIREMENTS SHOULD BE FOLLOWED. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, CONTACT STRUCTURAL ENGINEER FOR SPECIAL INSPECTION REQUIREMENTS PRIOR TO PROCEEDING WITH THE WORK. PROJECT SPECIFIC SPECIAL INSPECTION MEASURES SHALL BE APPROVED BY THE GOVERNING AGENCY PRIOR TO THE COMMENCEMENT OF THE WORK.
2. A STRENGTH TEST SHALL BE THE AVERAGE OF, AT A MINIMUM, TWO 6x12 CYLINDERS OR THREE 4x8 CYLINDERS MADE FROM THE SAME SAMPLE OF CONCRETE. A TESTING LABORATORY SHALL MAKE AND TEST ONE SAMPLE SET FOR EACH 150 CUBIC YARDS OF CONCRETE BUT NOT LESS THAN ONE SAMPLE SET FOR EACH 5,000 SQFT OF SURFACE AREA FOR SLABS OR WALLS. IF TOTAL VOLUME OF CONCRETE IS SUCH THAT FREQUENCY OF TESTING WOULD PRODUCE FEWER THAN 5 STRENGTH TESTS FOR A GIVEN CONCRETE MIXTURE, THEN STRENGTH TEST SPECIMENS SHALL BE MADE FROM AT LEAST 5 RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN 5 BATCHES ARE USED.

STEEL SPECIAL INSPECTION TABLES:

INSPECTION TASKS PRIOR TO WELDING
PER AISC 360 TABLE N5.4-1

INSPECTION TASKS PRIOR TO WELDING	QC	QA
1. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O
2. WELDING PROCEDURE SPECIFICATION (WPS) AVAILABLE	P	P
3. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P
4. MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O
5. WELDER IDENTIFICATION SYSTEM [a]	O	O
6. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	O	O
7. FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	P	O
8. CONFIGURATION AND FINISH OF ACCESS HOLES	O	O
9. FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	O	O
10. CHECK WELDING EQUIPMENT	O	---

[a] THE FABRICATOR OR ERECTOR, AS APPLICABLE SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW STRESS TYPE.

INSPECTION TASKS DURING WELDING
PER AISC 360 TABLE N5.4-2

INSPECTION TASKS DURING WELDING	QC	QA
1. CONTROL AND HANDLING OF WELDING CONSUMABLES a) PACKAGING b) EXPOSURE CONTROL	O	O
2. NO WELDING OVER CRACKED TACK WELDS	O	O
3. ENVIRONMENTAL CONDITIONS a) WIND SPEED WITHIN LIMITS b) PRECIPITATION AND TEMPERATURE	O	O
4. WPS FOLLOWED a) SETTINGS ON WELDING EQUIPMENT b) TRAVEL SPEED c) SELECTED WELDING MATERIALS d) SHIELDING GAS TYPE/FLOW RATE e) PREHEAT APPLIED f) INTERPASS TEMPERATURE MAINTAINED (MIN./MAX/) g) PROPER POSITION (F, V, H, OH)	O	O
5. WELDING TECHNIQUES a) INTERPASS AND FINAL CLEANING b) EACH PASS WITHIN PROFILE LIMITATIONS c) EACH PASS MEETS QUALITY REQUIREMENTS	O	O
6. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P

INSPECTION TASKS AFTER WELDING
PER AISC 360 TABLE N5.4-3

INSPECTION TASKS AFTER WELDING	QC	QA
1. WELDS CLEANED	O	O
2. SIZE, LENGTH AND LOCATION OF WELDS	P	P
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA a) CRACK PROHIBITION b) WELD/BASE-METAL FUSION c) CRATER CROSS-SECTION d) WELD PROFILES e) WELD SIZE f) UNDERCUT g) POROSITY	P	P
4. ARC STRIKES	P	P
5. *K*-AREA [a]	P	P
6. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES [b]	P	P
7. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P
8. REPAIR ACTIVITIES	P	P
9. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P
10. NO PROHIBITED WELDS HAVE BEEN ADDED WITH THE APPROVAL OF THE EOR	O	O

[a] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" (75mm) OF THE WELD.

[b] AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1c) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1d) ARE WELDED VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

STEEL SPECIAL INSPECTION AND TESTING NOTES:

1. THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.
2. SHOP WELDING WHERE DONE IN THE SHOP OF A LICENSED STEEL FABRICATOR REGISTERED WITH AND APPROVED BY THE GOVERNING AGENCY MAY BE EXEMPT FROM SPECIAL INSPECTION.
3. INSPECTION OF WELDS SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1/D1.1M.
4. WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" (75mm) OF THE WELD.
5. IN RISK CATEGORY III AND IV (SEE GENERAL NOTES), AT CONNECTIONS THAT ARE NOT PART OF THE SEISMIC FORCE-RESISTING SYSTEM (SFRS), CJP GROOVE WELDS SHALL BE ULTRASONICALLY TESTED (UT) IN MATERIALS 5/16 INCH AND THICKER. IN RISK CATEGORY II, UT SHALL BE PERFORMED ON 10% OF CJP GROOVE WELDS IN MATERIAL 5/16 INCH AND THICKER.
6. IN ADDITION TO SPECIAL INSPECTIONS REQUIRED BY NOTES AND TABLES ABOVE, VISUAL INSPECTION AND THE FOLLOWING NON-DESTRUCTIVE TESTING OF WELDED JOINTS SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1/D1.1M AND IN ADDITION OR AS MODIFIED BY AWS D1.8/D1.8M ON SEISMIC RESISTING ELEMENTS:
   - A. K-AREA NDT
WHERE WELDING OF DOUBLER, CONTINUITY OR STIFFENER PLATES HAS BEEN PERFORMED IN THE K-AREA, THE WEB SHALL BE TESTED FOR CRACKS USING MAGNETIC PARTICLE TESTING (MT). THE MT INSPECTION AREA SHALL INCLUDE THE K-AREA BASE METAL WITHIN 3" OF THE WELD. THE MT SHALL BE PERFORMED NO SOONER THAN 48 HOURS FOLLOWING COMPLETION OF THE WELDING.
   - B. CJP GROOVE WELD NDT
ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS IN MATERIALS 5/16" AND GREATER IN THICKNESS. WELD DISCONTINUITIES SHALL BE ACCEPTED OR REJECTED ON THE BASIS OF CRITERIA OF AWS D1.1/D1.1M TABLE 6.2. MT SHALL BE PERFORMED ON 25% OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS
   - C. BASE METAL NDT FOR LAMELLAR TEARING AND LAMINATIONS
AFTER JOINT COMPLETION, BASE METAL THICKER THAN 1 ½" LOADED IN TENSION IN THE THROUGH-THICKNESS DIRECTION IN TEE AND CORNER JOINTS, WHERE THE CONNECTED MATERIAL IS GREATER THAN 3/4" AND CONTAINS CJP GROOVE WELDS, SHALL BE ULTRASONICALLY TESTED FOR DISCONTINUITIES BEHIND AND ADJACENT TO THE FUSION LINE OF SUCH WELDS. ANY BASE METAL DISCONTINUITIES FOUND WITHIN T/4 OF THE STEEL SURFACE SHALL BE ACCEPTED OR REJECTED ON THE BASIS OF CRITERIA OF AWS D1.1/D1.1M TABLE 6.2, WHERE T IS THE THICKNESS OF THE PART SUBJECTED TO THE THROUGH-THICKNESS STRAIN.
   - D. WELD TAB REMOVAL SITES
AT THE END OF WELDS WHERE WELD TABS HAVE BEEN REMOVED, MT SHALL BE PERFORMED ON THE SAME BEAM-TO-COLUMN JOINTS RECEIVING UT REQUIRED IN B ABOVE.

County of Los Angeles
DEPARTMENT OF PUBLIC WORKS BUILDING & SAFETY DIVISION
Los Angeles Regional Uniform Code Program

STRUCTURAL OBSERVATION PROGRAM
AND DESIGNATION OF THE
STRUCTURAL OBSERVER

PERMIT APPL. NO.: BLDC240510000533

Project Address: 16350 Filbert St., Sylmar, CA 91342	
Description of Work: Install security netting supported on steel frames and posts. Install AC unit for storage room at cafeteria building	
Owner: Los Angeles County Probation Dept.	Architect: JTC architects, inc.
Engineer of Record: Rick Beall, S.E.	

STRUCTURAL OBSERVATION (ONLY CHECKED ITEMS ARE REQUIRED)
Firm or Individual to be responsible for the Structural Observation:
Name: Rick Beall, S.E. Phone: 562.985.3200 Calif. Registration: S3503

FOUNDATION	WALL	FRAME	DIAPHRAGM
☒ Footing, Stem Walls, Piers	☐ Concrete	☐ Steel Moment Frame	☐ Concrete
☐ Mat Foundation	☐ Masonry	☐ Steel Braced Frame	☐ Steel Deck
☐ Caisson, Piles, Grade Beams	☐ Wood	☐ Concrete Moment Frame	☐ Wood
☐ Retaining Foundation Hillside Special Anchors	☐ Others:	☐ Masonry Wall Frame	☐ Others:
☐ Others:		☐ Others:	

DECLARATION BY OWNER

I, the Owner of the project, declare that the above listed firm or individual is hired **by me** to be the Structural Observer.

CToss Courtney Tossounian, Los Angeles County Public Works 6/11/2024
Signature Date

DECLARATION BY ARCHITECT OR ENGINEER OF RECORD (required if the Structural Observer is different from the Architect or Engineer of Record)

I, the Architect or Engineer of record for the project, declare that the above listed firm or individual is designated by me to be responsible for the Structural Observation.

S3503 June 11, 2024
Signature License No. Date

Version 1.0 (2008 LACBC) Jan. 10 2008

County of Los Angeles
DEPARTMENT OF PUBLIC WORKS BUILDING & SAFETY DIVISION

STRUCTURAL OBSERVATION GENERAL NOTES

1. Structural observation is required for the structural system in accordance with Section 1709 of the Los Angeles County Building Code. Structural observation is the visual observation at the construction stages and the complete structure for general conformance to the approved plans and specifications. Structural observation does not waive the responsibility for the inspections required of the building inspector or the special inspector.
2. The owner shall employ the registered design professional responsible for the structural design, or another registered design professional designated by the registered design professional responsible for the structural design to perform structural observations.
3. The owner or owner's representative shall coordinate and call for a meeting between the engineer or architect responsible for the structural design, structural observer, contractor, affected subcontractors and special inspectors. The purpose of the meeting shall be to identify the major structural elements and connections that affect the vertical and lateral load systems of the structure and to review scheduling of the required observations. A record of the meeting shall be included in the first observation report submitted to the building inspector.
4. The structural observer shall prepare a report of the Structural Observation Report Form for each significant stage of construction observed. The original of the Structural Observation report shall be sent to the building inspector's office and shall be signed and sealed (wet stamp) by the responsible structural observer. Copies of the report shall also be given to the owner, contractor, and deputy inspector. Any deficiency noted on the observation report will become the responsibility of the structural engineer of record to verify its completion by him (her), or by a registered special inspector at the discretion of the Structural Observer.
5. A final observation report and that of the registered special inspector must be submitted which shows that all observed deficiencies were resolved and structural system generally conforms with the approved plans and specifications.
6. When the owner elects to change the structural observer of record, the owner shall:
   - a. Notify the building inspector in writing before the next inspection by submitting the completed Structural Observation Program and Designation of the Structural Observer form.
   - b. Call an additional preconstruction meeting
   - c. Furnish the replacement structural observer with a copy of all previous observation reports.

   The replacement structural observer shall approve the correction of the original observed deficiencies unless otherwise approved by the Building Official.
7. The engineer or architect of record shall develop all changes relating to the structural systems. The Building Official shall review and approved all changes to the approved plans and specifications.

REVIEWED FOR
CONFORMANCE
TO THE
REFERENCED
GEOTECHNICAL
REPORT DATED
4/27/23 (Revised
3/22/24)
DATED: 10-31-24
FOR: GEOTECHNICAL PROFESSIONALS INC.

JAMES E. HARRIS
No. C91562
CIVIL

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PUBLIC WORKS

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN
UPGRADES
PW15739, PCA: P9700230,
PCS ID: 2241

LOCATION :

16350 FILBERT STREET,
SYLMAR, CA 91342

ARCHITECT :

JTC
architects, inc.

65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: 37603.0D

SEAL :

No.3503

CONSULTANT :

MHP
STRUCTURAL ENGINEERS
LONG BEACH • SAN DIEGO
LONG BEACH OFFICE
3900 Cover Street, Long Beach
CA 90808 • 562.985.3200
Project: 23-0120-00

TITLE:

STRUCTURAL NOTES

SCALE: NONE
DATE: 02-04-25
DRAWN BY: GL
CHECKED BY: GM, SH
SHEET NUMBER:

S-0.02

PLAN NOTES

1. SEE GENERAL NOTES SHEET(S) FOR APPLICABLE NOTES, ABBREVIATIONS AND PLAN SYMBOLS LEGEND.
2. EXISTING CONSTRUCTION IS SHOWN FADED AND IS LABELED AS EXISTING OR (E). NEW CONSTRUCTION IS SHOWN DARK AND IS SPECIFICALLY REFERENCED BY DETAILS AND NOTES.
3. EXISTING CONDITIONS ARE SHOWN TO THE BEST OF OUR KNOWLEDGE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING.
4. FOUNDATION EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE GEOTECHNICAL CONSULTANT(S) PRIOR TO THE PLACING OF STEEL OR CONCRETE.

REVIEWED FOR CONFORMANCE TO THE REFERENCED GEOTECHNICAL REPORT DATED 4/27/23 (Revised 3/22/24)

DATED: 10-31-24
FOR: GEOTECHNICAL PROFESSSIONALS INC.

JAMES E. HARRIS
No. C91562
CIVIL
STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER

SITE PLAN
SCALE: 1" = 50'

A S-1.01

NO.	DATE:	REMARKS:	BY:
1	9-26-24	PLAN CHECK RESUBMITTAL – SOILS REPORT	

COUNTY OF LOS ANGELES PUBLIC WORKS

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF SECURE YOUTH TRACK FACILITY SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230, PCS ID: 2241

LOCATION :

16350 FILBERT STREET, SYLMAR, CA 91342

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TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: 37603.0D

SEAL :

REGISTERED PROFESSIONAL ENGINEER No.3503 STATE OF CALIFORNIA

CONSULTANT :

MHP STRUCTURAL ENGINEERS
LONG BEACH • SAN DIEGO
LONG BEACH OFFICE
3900 Cover Street, Long Beach
CA 90808 • 562.985.3200
Project: 23-0120-00

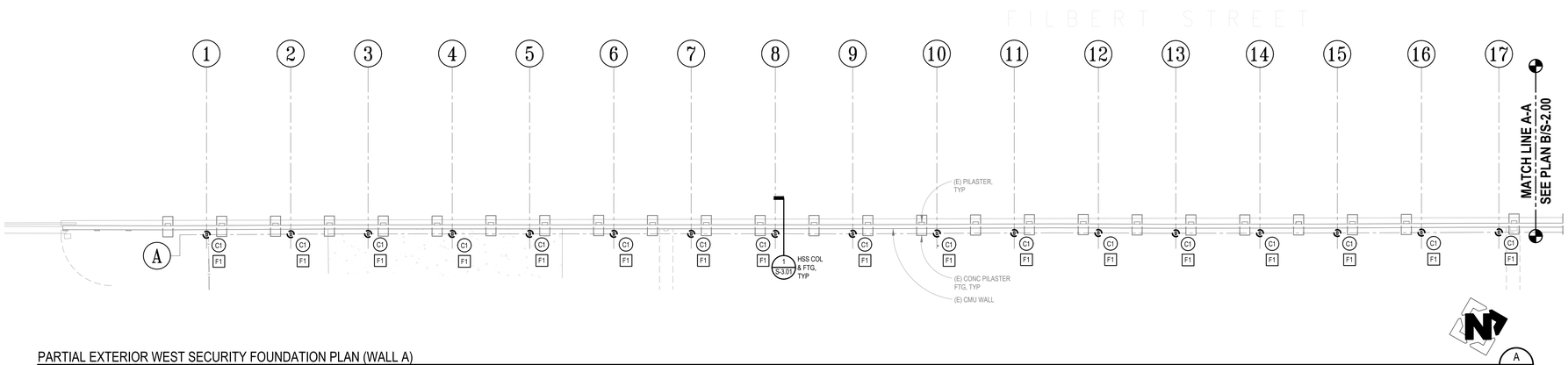
TITLE:

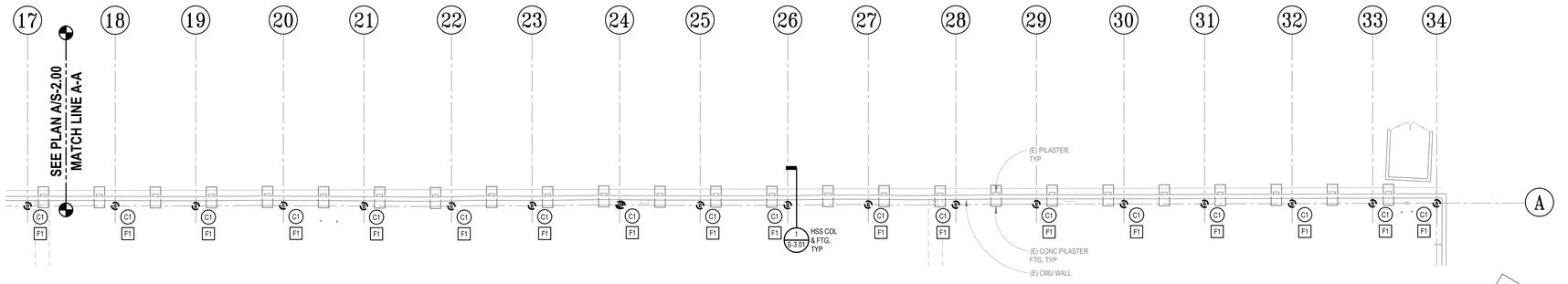
SITE PLAN

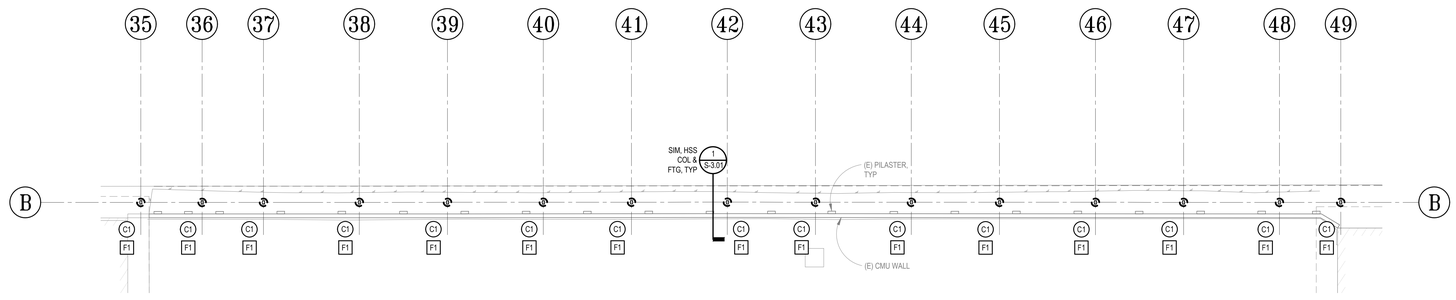
SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	GL
CHECKED BY:	GM, SH

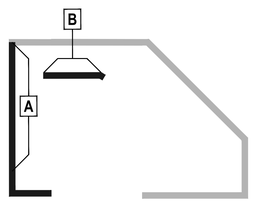
SHEET NUMBER:

S-1.01









PARTIAL EXTERIOR WEST SECURITY FOUNDATION PLAN (WALL A)

SCALE: 1/16" = 1'-0"

A S-2.00

PARTIAL EXTERIOR WEST SECURITY FOUNDATION PLAN (WALL A)

SCALE: 1/16" = 1'-0"

B S-2.00

PARTIAL EXTERIOR NORTH SECURITY FOUNDATION PLAN (WALL B)

SCALE: 1/16" = 1'-0"

C S-2.00

PLAN NOTES

1. SEE GENERAL NOTES SHEET(S) FOR APPLICABLE NOTES, ABBREVIATIONS AND PLAN SYMBOLS LEGEND.
2. EXISTING CONSTRUCTION IS SHOWN FADED AND IS LABELED AS EXISTING OR (E). NEW CONSTRUCTION IS SHOWN DARK AND IS SPECIFICALLY REFERENCED BY DETAILS AND NOTES.
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6. DO NOT CUT ANY NEW OPENINGS OR ENLARGE ANY EXISTING OPENINGS IN THE ROOF (FOR DUCTS, PIPES, ETC.) UNLESS SPECIFICALLY SHOWN ON THESE STRUCTURAL DRAWINGS.
7. ALL EXTERIOR STEEL MEMBERS TO BE HOT DIP GALVANIZED.
8. FOUNDATION EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE GEOTECHNICAL CONSULTANT(S) PRIOR TO THE PLACING OF STEEL OR CONCRETE. 1

COLUMN SCHEDULE

COLUMN MARK	COLUMN SIZE	REFERENCE DETAIL
C1	HSS10x6x1/2	1 / S-3.01
C2	HSS10x6x5/8	1 / S-3.01
C3	HSS10x8x5/8	1 / S-3.01

FENCE FOOTING SCHEDULE

FOOTING MARK	D FOOTING DIAMETER	E FOOTING EMBEDMENT	VERTICAL BARS
F1	2'-0"	11'-0" 1 MINIMUM, SEE NOTE 2	(6)-#8
F2	2'-0"		(7)-#8
F3	2'-0"		(7)-#8

NOTES:
1. REFERENCE DETAIL 1/S-3.01 FOR SECTION AT FOOTING.
2. FOOTING EMBEDMENT SHALL BE EMBEDDED AT LEAST 12 INCHES INTO UNDISTURBED ALLUVIAL SOILS FOUND AT OR BELOW A DEPTH OF 11 FEET. 1

REVIEWED FOR CONFORMANCE TO THE REFERENCED GEOTECHNICAL REPORT DATED 4/27/23 (Revised 3/22/24)
JAMES E. HARRIS V
No. C91562
CIVIL
DATED: 10-31-24
FOR: GEOTECHNICAL PROFESSSIONALS INC.

KEY PLAN

DATE:	NO.	REMARKS:	BY:
9-26-24	1	PLAN CHECK RESUBMITTAL – SOILS REPORT	

PUBLIC WORKS

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN
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PW15739, PCA: P9700230,
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LOCATION :

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JTC PROJECT NO: 37603.0D

SEAL :

RICK L. BEALL
No.3503
STRUCTURAL

CONSULTANT :

MHP
STRUCTURAL ENGINEERS
LONG BEACH • SAN DIEGO
LONG BEACH OFFICE
3900 Cover Street, Long Beach
CA 90808 • 562.985.3200
Project: 23-0120-00

TITLE:

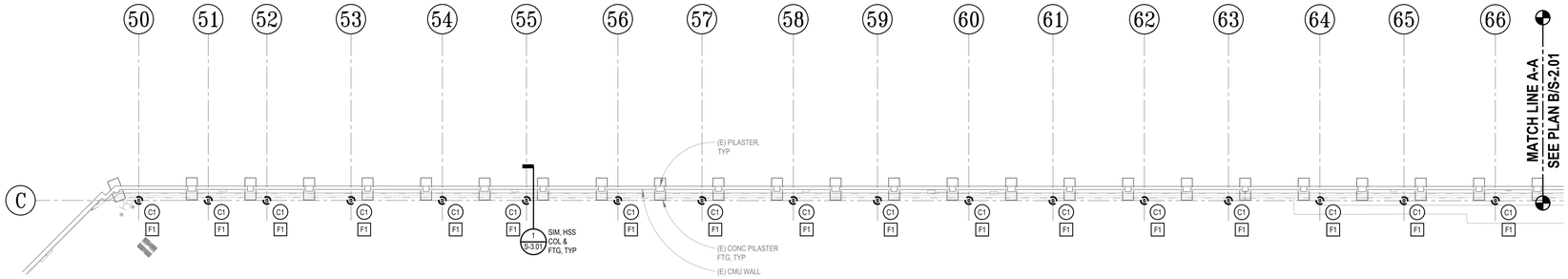
PARTIAL SECURITY WALL FOUNDATION PLANS

SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	GL
CHECKED BY:	GM, SH

SHEET NUMBER:

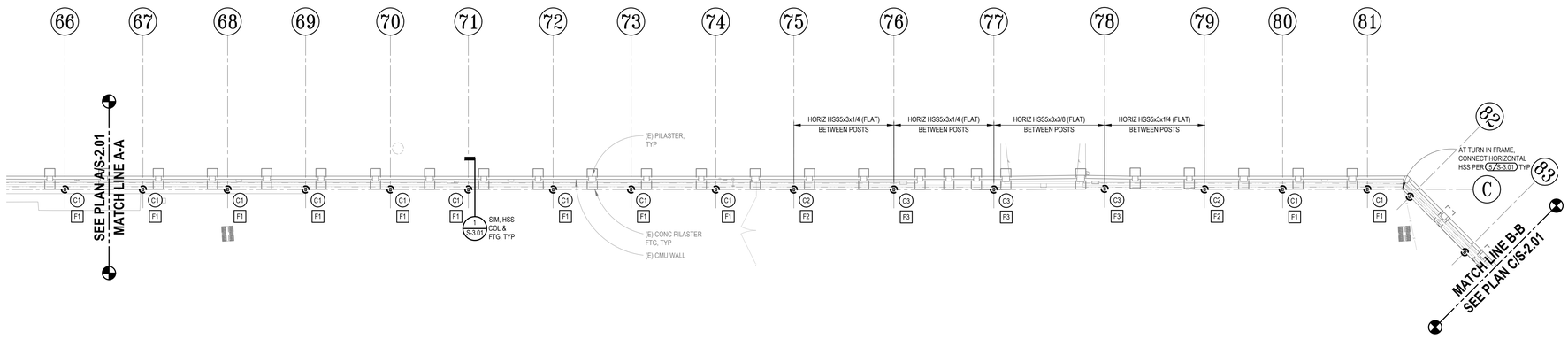
S-2.00

H:\2023\230120\3_Drawings\Dwgs-00\23-0120-00_S-2.00 PARTIAL SECURITY WALL FOUNDATION PLANS.dwg PLOTTED BY: Shawn Alvira ON: September 26, 2024



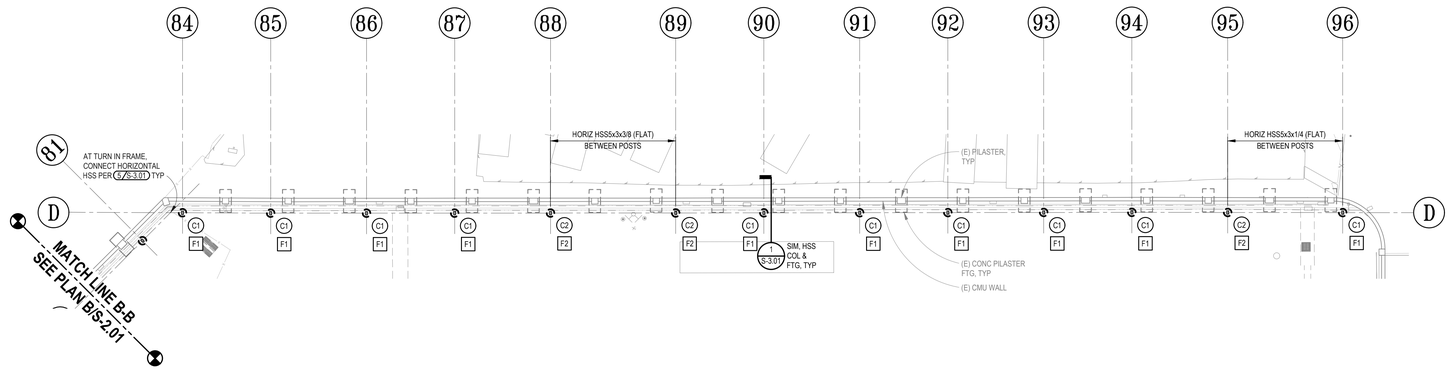
PARTIAL EXTERIOR EAST SECURITY FOUNDATION PLAN (WALL C)

SCALE: 1/16" = 1'-0"



PARTIAL EXTERIOR EAST SECURITY FOUNDATION PLAN (WALL C)

SCALE: 1/16" = 1'-0"



PARTIAL EXTERIOR EAST SECURITY FOUNDATION PLAN (WALL D)

SCALE: 1/16" = 1'-0"

PLAN NOTES

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FOOTING MARK	D FOOTING DIAMETER	E FOOTING EMBEDMENT	VERTICAL BARS
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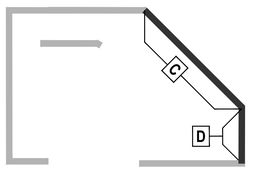
REVIEWED FOR CONFORMANCE TO THE REFERENCED GEOTECHNICAL REPORT DATED 4/27/23 (Revised 3/22/24)

REGISTERED PROFESSIONAL ENGINEER — JAMES E. HARRIS V — No. C91562 — CIVIL — STATE OF CALIFORNIA

DATED: 10-31-24
FOR: GEOTECHNICAL PROFESSIONALS INC.



KEY PLAN

NO.	DATE:	REMARKS:	BY:
	9-26-24	PLAN CHECK RESUBMITTAL – SOILS REPORT	

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF SECURE YOUTH TRACK FACILITY SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230, PCS ID: 2241

LOCATION :

16350 FILBERT STREET, SYLMAR, CA 91342

ARCHITECT :

JTC architects, inc.
65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: 37603.0D

SEAL :

REGISTERED PROFESSIONAL ENGINEER — RICK T. TSUI — No.3503 — STRUCTURAL — STATE OF CALIFORNIA

CONSULTANT :

MHP
STRUCTURAL ENGINEERS
LONG BEACH • SAN DIEGO
LONG BEACH OFFICE
3900 Cover Street, Long Beach
CA 90808 • 562.985.3200
Project: 23-0120-00

TITLE:

PARTIAL SECURITY WALL FOUNDATION PLANS

SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	GL
CHECKED BY:	GM, SH

SHEET NUMBER:

S-2.01

FRAMING PLAN NOTES

1. SEE GENERAL NOTES SHEET(S) FOR APPLICABLE NOTES, ABBREVIATIONS AND PLAN SYMBOLS LEGEND.
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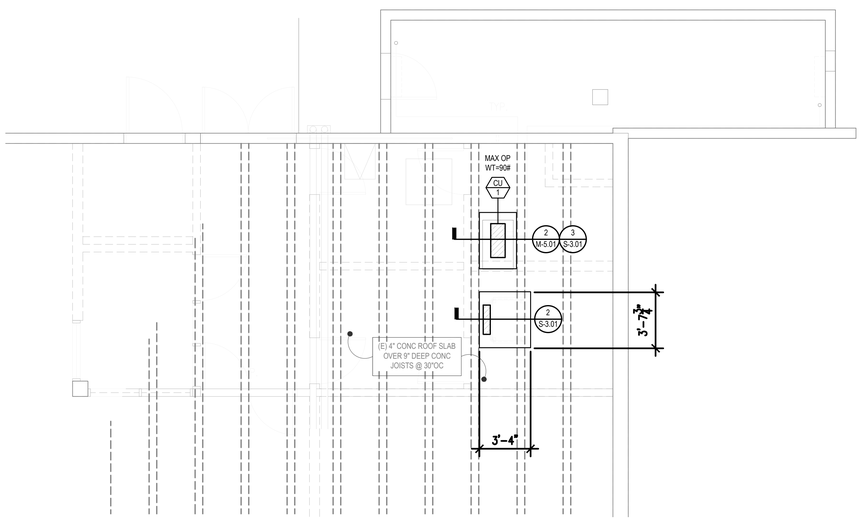

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REGISTERED PROFESSIONAL ENGINEER JAMES E. HARRIS No. C91562 CIVIL STATE OF CALIFORNIA

DATED: 10-31-24
FOR: GEOTECHNICAL PROFESSSIONALS INC.

PARTIAL ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

A S-2.02

NO.	DATE:	BY:	REMARKS:
1			
2			
3			
4			
5			

COUNTY OF LOS ANGELES PUBLIC WORKS

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

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JTC PROJECT NO: **37603.0D**

SEAL :

REGISTERED PROFESSIONAL ENGINEER NICK L. ROSS No.3503 STATE OF CALIFORNIA

CONSULTANT :

MHP STRUCTURAL ENGINEERS
LONG BEACH • SAN DIEGO
LONG BEACH OFFICE
3900 Cover Street, Long Beach
CA 90808 • 562.985.3200
Project: 23-0120-00

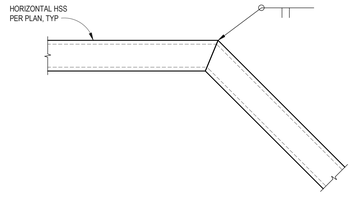
TITLE:

PARTIAL ROOF FRAMING PLAN

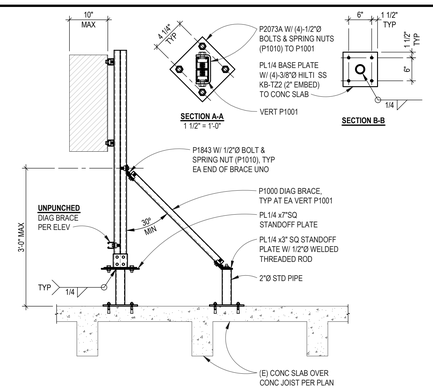
SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	GL
CHECKED BY:	GM, SH

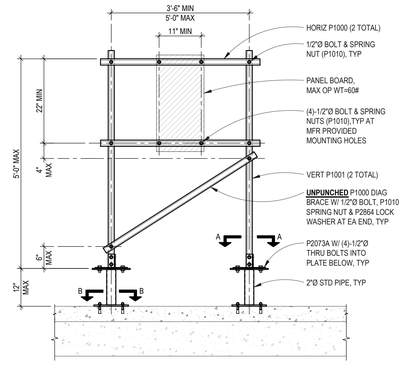
SHEET NUMBER:

S-2.02

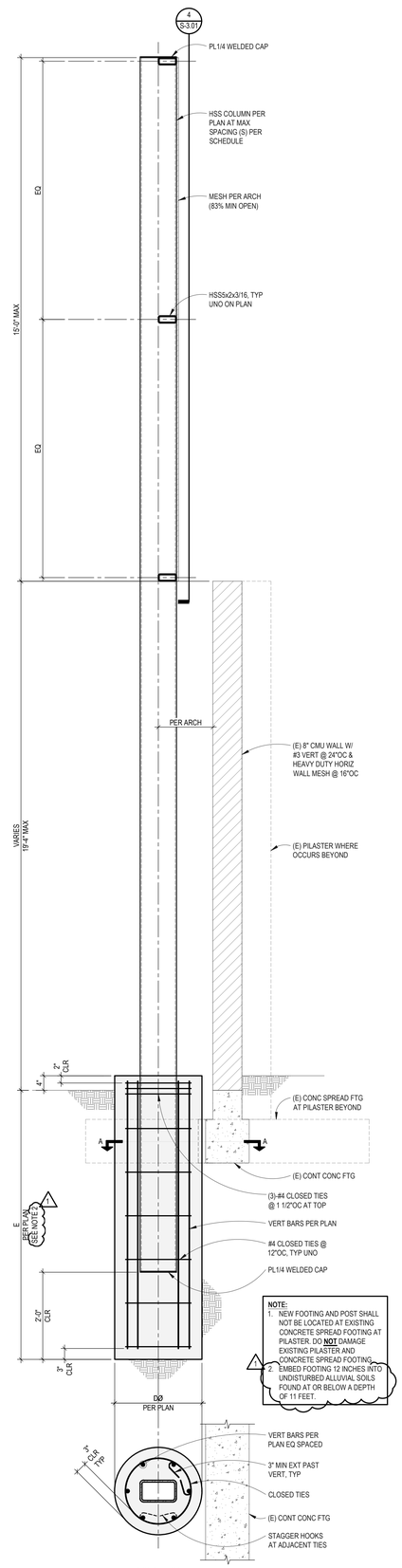


HSS MITER CORNER
SCALE: 1:4
5 S-3.01

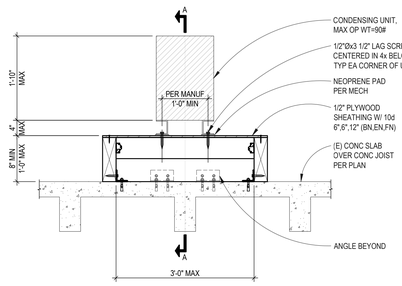


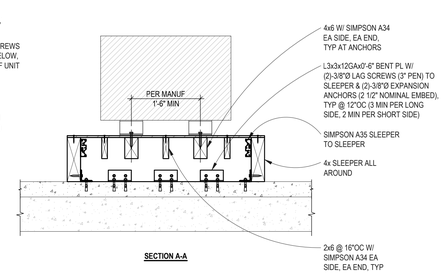


PANEL BOARD/DISCONNECT FRAME
SCALE: 3/4" = 1'-0"
2 S-3.01

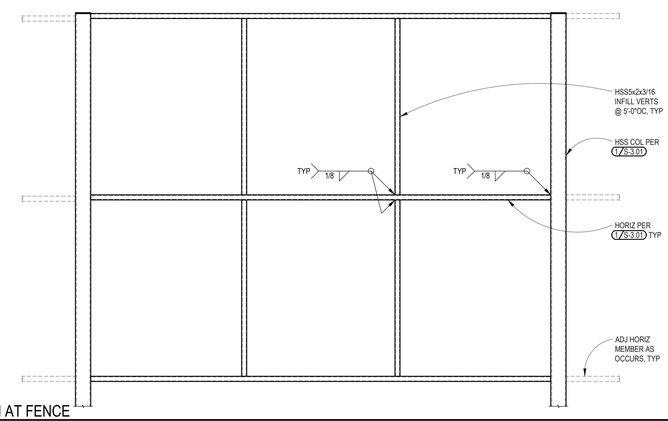


SECTION AT COLUMN & FOOTING
SCALE: 3/4" = 1'-0"
1 S-3.01





CU WITH NEOPRENE ISOLATOR ANCHORAGE
SCALE: 3/4" = 1'-0"
3 S-3.01



SECTION AT FENCE
SCALE: 1/2" = 1'-0"
4 S-3.01

REVIEWED FOR CONFORMANCE TO THE REFERENCED GEOTECHNICAL REPORT DATED 4/27/23 (Revised 3/22/24)

DATED: 10-31-24
FOR: GEOTECHNICAL PROFESSSIONALS INC.

REGISTERED PROFESSIONAL ENGINEER JAMES E. HARRIS V No. C91562 CIVIL STATE OF CALIFORNIA

NO.	REMARKS:	BY:	DATE:
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COUNTY OF LOS ANGELES PUBLIC WORKS

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CONSULTANT :

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LONG BEACH • SAN DIEGO
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3900 Cover Street, Long Beach
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Project: 23-0120-00

TITLE:

SECTIONS AND DETAILS

SCALE:	AS NOTED
DATE:	02-04-25
DRAWN BY:	GL
CHECKED BY:	GM, SH

SHEET NUMBER:

S-3.01

GENERAL NOTES

A. GENERAL:

1. SCOPE OF THE PROJECT INCLUDES WORK SHOWN ON THE DRAWINGS AND IN THE SPECIFICATIONS.
2. WORK SHOWN ON THE DRAWINGS IS INCLUSIVE, WHETHER SHOWN AT EACH LOCATION OR NOT, AS LONG AS IT IS SHOWN IN ONE LOCATION ON THE DRAWINGS OR IN THE SPECIFICATIONS WORK SHALL BE PROVIDED.
3. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED WORK. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
4. THESE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY OF COORDINATION WITH VARIOUS TRADES AND INCLUDE TURNS, BENDS, ADDITIONAL LENGTHS OF DUCTS, PIPING AND ELEVATION CHANGES, AND TRANSITIONS WITHOUT ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR MUST EXAMINE CONSTRAINTS AND THE AVAILABLE SPACE AT THE JOB SITE THAT MAY REQUIRE CUSTOM FABRICATION OR DISASSEMBLY AND RE-ASSEMBLY OF CERTAIN EQUIPMENT.
6. PROTECT MATERIALS INCLUDING DUCTS AND PIPES FROM DUST AND DEBRIS AND KEEP OPEN END OF PIPES AND DUCTS COVERED UNTIL READY FOR INSTALLATION OF NEXT SEGMENT OF WORK. LINED DUCTS THAT ARE DIRTY WILL NOT BE ACCEPTABLE.
7. WORK DAMAGED OR CUT INTO DURING CONSTRUCTION SHALL BE PATCHED, REPAIRED, PAINTED AND FINISHED TO MATCH EXISTING ADJACENT SURFACES IN TEXTURE, COLOR, AND FINISH.
8. MECHANICAL EQUIPMENT, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH 2022 CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA ENERGY CODE, CALIFORNIA PLUMBING CODE AND CALIFORNIA FIRE CODE.
9. INSULATION SHALL COMPLY WITH THE REQUIREMENTS OF 2022 CALIFORNIA ENERGY CODE AND PROJECT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
10. AIR CONDITIONING UNITS SHALL BE CERTIFIED PER THE REQUIREMENTS OF THE CALIFORNIA ENERGY COMMISSION.
11. WORK TO BE INSTALLED OUTDOORS; INCLUDING, BUT NOT LIMITED TO; EQUIPMENT, DUCTS, PIPING, CONTROL DEVICES, SMOKE DETECTORS, AND VARIABLE FREQUENCY DRIVES SHALL BE COMPLETELY WEATHERPROOFED.
12. CURBS, ROOF JACKS AND EQUIPMENT SUPPORT PADS SHALL BE COMPATIBLE WITH ROOFING SYSTEM. FLASH AND COUNTERFLASH WEATHER EXPOSED ROOF OPENINGS. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED FLASHING DETAILS.
13. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL ELEMENTS SHALL BE DONE ONLY WHEN SO DETAILED ON THE STRUCTURAL DRAWINGS. COORDINATE EXACT LOCATION OF CORE DRILLING, CUTTING OF FLOOR SLAB, OR WALLS OF THE BUILDING WITH THE STRUCTURAL DRAWINGS. DO NOT CUT OR DRILL HOLES IN ANY STRUCTURAL ELEMENT WITHOUT APPROVAL OF THE ARCHITECT.
14. COORDINATE TEMPERATURE SENSOR AND THERMOSTAT LOCATION WITH FLOOR ARCHITECTURAL AND FURNITURE FLOOR PLANS. TEMPERATURE SENSOR AND THERMOSTAT ELEVATION SHALL BE IN COMPLIANCE WITH ADA REQUIREMENTS.
15. ROOM THERMOSTATS SHALL HAVE THE CAPABILITY TO SEQUENCE HEATING AND COOLING, AND TO TERMINATE HEATING AT 70°F. THE HEATING SETPOINT MUST BE ADJUSTABLE DOWN TO 55°F OR HIGHER.
16. CONDITIONS THAT, IN THE CONTRACTOR'S OPINION, PREVENT THE EXECUTION OF THE WORK AS INTENDED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN THE FORM OF AN RFI BEFORE BEGINNING THE WORK IN QUESTION.
17. WORK PERFORMED UNDER THIS CONTRACT IS SUBJECT TO INSPECTION BY THE BUILDING OWNER, ARCHITECT, AND ENGINEER FOR CONFORMITY WITH EXISTING BUILDING SYSTEMS, QUALITY OF PRODUCTS AND INSTALLATION. CONTRACTOR SHALL NOT PERFORM WORK THAT MAY ADVERSELY AFFECT THE EXISTING BUILDING SYSTEMS OPERATION, EITHER DUE TO IMPROPER INSTALLATION, INADEQUATE COORDINATION OR POOR WORKMANSHIP. WORK INSPECTED AND FOUND UNACCEPTABLE BY THE OWNER, ARCHITECT SHALL BE PROMPTLY REPLACED OR CORRECTED AT NO ADDITIONAL COST.
18. FIELD OBSERVATION AND SUPPORT SERVICES PERFORMED BY THE ENGINEER PRIOR TO, DURING, OR AFTER CONSTRUCTION ARE FOR THE PURPOSE OF ACHIEVING QUALITY CONTROL AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
19. ROOMS SHALL HAVE RETURN AIR PATH. FOR ROOMS WHICH HAVE SLAB TO SLAB PARTITIONS ALL AROUND AND WHICH DO NOT HAVE A TRANSFER BOOT INDICATED, PROVIDE A WALL OPENING ABOVE THE HUNG CEILING SIZED AT 450 FEET PER MINUTE MAXIMUM. [ONLY PLENUM RETURN SYSTEMS]
20. DUCTWORK AND PIPING PENETRATING SLAB TO SLAB PARTITIONS SHALL BE SEALED AIRTIGHT. A RESILIENT CAULKING AND PACKING SHALL BE USED. SEAL OPENINGS AROUND DUCTWORK AND PIPING PENETRATING FIRE RESISTIVE RATED WALLS AND FLOORS TO MAINTAIN RATING INTEGRITY.
21. PROVIDE ACCESS DOORS/PANELS REQUIRED FOR SERVICING LISTED ITEMS SUCH AS AIR TERMINAL UNITS, FIRE DAMPERS, COMBINATION SMOKE/FIRE DAMPERS, VOLUME DAMPERS, VALVES, AND DEVICES REQUIRING ACCESS WHETHER OR NOT SUCH ACCESS IS SHOWN ON DRAWINGS. COORDINATE EXACT LOCATION OF CEILING, WALL, OR FLOOR ACCESS PANELS WITH ARCHITECTURAL DRAWINGS.
22. IN THE EVENT THE CONTRACTOR ENCOUNTERS ASBESTOS OR ASBESTOS RELATED MATERIALS DURING PERFORMANCE OF WORK, WORK WITHIN THE AFFECTED AREA SHALL IMMEDIATELY STOP AND THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT. WORK WITHIN THE AFFECTED AREA SHALL NOT COMMENCE UNTIL ASBESTOS IS ABATED AND OWNER HAS GIVEN WRITTEN PERMISSION TO RESUME.

B. EQUIPMENT:

1. A MAINTENANCE LABEL SHALL BE AFFIXED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
2. INSTALL EQUIPMENT IN ACCESSIBLE LOCATION AND PROVIDE ADEQUATE SERVICE CLEARANCE FOR NORMAL MAINTENANCE WITHOUT REQUIRING REMOVAL OF MECHANICAL, ARCHITECTURAL, ELECTRICAL OR STRUCTURAL ELEMENTS.
3. FOR EQUIPMENT LOCATED ABOVE CEILING, INSTALL SUCH EQUIPMENT CLOSE ENOUGH TO THE CEILING ELEVATION TO FACILITATE READY ACCESS FOR MAINTENANCE AND SERVICING.
4. MAINTAIN A MINIMUM OF 42-INCH CLEAR IN FRONT OF VARIABLE FREQUENCY DRIVES.
5. AIR MOVING SYSTEMS SUPPLYING AIR 2,000-CFM OR MORE TO ENCLOSED SPACES WITHIN BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF VIA SMOKE DETECTOR.
6. VERIFY ELECTRICAL CHARACTERISTICS WITH ELECTRICAL DRAWINGS PRIOR TO BID, MATERIAL PURCHASE, AND INSTALLATION.

MANDATORY MEASURES

A. ALL INSULATING MATERIAL SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAMESPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE 2022 CBC. SEC 110.8 (c)

B. ALL AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING BUT NOT LIMITED TO, BUILDING CAVITIES, MECHANICAL CLOSETS, AIR-HANDLER BOXES AND SUPPORT PLATFORMS USED AS DUCTS OR PLENUMS, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF CHAPTER 6 OF THE 2022 CALIFORNIA MECHANICAL CODE. SUPPLY-AIR AND RETURN-AIR DUCTS CONVEYING HEATED OR COOLED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8, UNLESS DUCTS ARE IN CONDITIONED SPACE.
SEC. 120.4(a)

C. THE THERMOSTATIC CONTROLS FOR HVAC SYSTEMS SHALL MEET THE FOLLOWING REQUIREMENTS AS APPLICABLE:
   a. EACH SPACE CONDITIONING ZONE SHALL BE CONTROLLED BY AN INDIVIDUAL THERMOSTATIC CONTROL THAT RESPONDS TO TEMPERATURE WITHIN THE ZONE AND MEETS THE APPLICABLE REQUIREMENTS OF SUBSECTION (b).
   b. EACH THERMOSTATIC CONTROL REQUIRED BY SUBSECTION (a) SHALL BE CAPABLE OF BEING SET LOCALLY OR REMOTELY BY ADJUSTMENT OR SELECTION OF SENSORS TO CONTROL:
      1. COMFORT HEATING DOWN TO 55°F OR LOWER.
      2. COMFORT COOLING UP TO 85°F OR HIGHER.
      3. BOTH HEATING AND COOLING, THE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A TEMPERATURE RANGE OR DEAD BAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCED TO A MINIMUM.
      SEC. 120.2 (a) & (b)

D. OUTDOOR AIR SUPPLY AND EXHAUST EQUIPMENT SHALL BE INSTALLED WITH DAMPERS THAT AUTOMATICALLY CLOSE UPON FAN SHUTDOWN. SEC. 120.2 (f)

E. THE PIPING FOR ALL SPACE CONDITIONING AND SERVICE WATER HEATING SYSTEMS SHALL BE INSULATED IN ACCORDANCE WITH TABLE 123-A. SEC. 120.3

J. ALL MECHANICAL VENTILATION AND SPACE-CONDITIONING SYSTEMS SHALL BE INSTALLED WITH DUCTWORK, DAMPERS, AND CONTROLS TO ALLOW OUTSIDE AIR RATES TO BE OPERATED AT THE LARGER OF (1) THE MINIMUM LEVELS SPECIFIED IN SECTION 120.1(B) OR (2) THE RATE REQUIRED FOR MAKE-UP OF EXHAUST SYSTEMS THAT ARE REQUIRED FOR AN EXEMPT OR COVERED PROCESS FOR CONTROL OF ODORS, OR FOR THE REMOVAL OF CONTAMINANTS WITHIN THE SPACE. ALL VARIABLE AIR VOLUME SPACE-CONDITIONING SYSTEMS SHALL INCLUDE CONTROLS THAT MAINTAIN MEASURED OUTSIDE AIR VENTILATION RATES WITHIN 10 PERCENT OF THE REQUIRED OUTSIDE AIR VENTILATION RATE AT BOTH FULL AND REDUCED SUPPLY AIRFLOW CONDITIONS.
SEC. 120.1 (e)

Q. MAXIMUM LENGTH OF FLEXIBLE DUCT AND CONNECTORS SHALL NOT BE MORE THAN 5 FEET. FLEXIBLE DUCTS SHALL NOT BE USED IN LIEU OF RIGID ELBOWS.
SEC 603.4.1

12) AIR CONDITIONING SYSTEM (HVAC) COMPLIANCE:
   Q) DUCT SYSTEMS USED WITH BLOWER TYPE EQUIPMENT WHICH ARE PORTIONS OF A HEATING, COOLING, ABSORPTION, EVAPORATIVE COOLING OR OUTDOOR AIR VENTILATION SYSTEM SHALL BE SIZED IN ACCORDANCE WITH CHAPTER 17 OF THE CALIFORNIA MECHANICAL CODE.

ADMINISTRATIVE REQUIREMENTS

A. THE PERSON WITH OVERALL RESPONSIBILITY FOR CONSTRUCTION OR THE PERSON RESPONSIBLE FOR THE INSTALLATION OF REGULATED MANUFACTURED DEVICES SHALL POST, OR MAKE AVAILABLE WITH THE BUILDING PERMIT(S) ISSUED FOR THE BUILDING, THE INSTALLATION CERTIFICATE(S) FOR MANUFACTURED DEVICES REGULATED BY THE APPLIANCE EFFICIENCY REGULATIONS OR PART 6. SUCH INSTALLATION CERTIFICATE(S) SHALL BE MADE AVAILABLE TO THE ENFORCEMENT AGENCY FOR ALL APPROPRIATE INSPECTIONS. THESE CERTIFICATES SHALL:
1. IDENTIFY FEATURES REQUIRED TO VERIFY COMPLIANCE WITH THE APPLIANCE EFFICIENCY REGULATIONS AND PART 6.
2. INCLUDE A STATEMENT INDICATING THAT THE INSTALLED DEVICES CONFORM TO THE APPLIANCE EFFICIENCY REGULATIONS AND PART 6 AND THE REQUIREMENTS FOR SUCH DEVICES GIVEN IN THE PLANS AND SPECIFICATIONS APPROVED BY THE LOCAL ENFORCEMENT AGENCY.
3. STATE THE NUMBER OF THE BUILDING PERMIT UNDER WHICH THE CONSTRUCTION OF INSTALLATION WAS PERFORMED.
SEC. 3.10-103 (a) 3A.

B. WITHIN 90 DAYS AFTER ISSURANCE OF CERTIFICATE OF OCCUPANCY RECORD DRAWINGS SHALL BE PROVIDED TO OWNER. IF A BUILDING DESIGN FEATURE, MATERIAL, COMPONENT OR MANUFACTURED DEVICES IS CHANGED BEFORE FINAL CONSTRUCTION AND INSTALLATION, SUCH THAT THE BUILDING MAY NO LONGER COMPLY WITH PART 6, THE BUILDING MUST BE BROUGHT INTO COMPLIANCE, AND SO INDICATED ON AMENDED PLANS AND CERTIFICATE OF COMPLIANCE(S) THAT SHALL BE SUBMITTED FOR APPROVAL.
SEC. 10-103(a) 2B

C. THE BUILDER SHALL PROVIDE THE BUILDING OWNER OR THE PERSON(S) RESPONSIBLE FOR BUILDING MAINTENANCE (IN CASE OF MULTI-TENANT OR CENTRALLY OPERATED BUILDINGS) AT OCCUPANCY THE FOLLOWING:
1. OPERATING INFORMATION: THE APPROPRIATE CERTIFICATE(S) OF COMPLIANCE AND A LIST OF THE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING AND INSTRUCTIONS ON HOW TO OPERATE THEM EFFICIENTLY.
2. MAINTENANCE INFORMATION: REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL MAY BE LIMITED TO IDENTIFYING THE OPERATION AND MAINTENANCE MANUAL.
3. VENTILATION INFORMATION: A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH AREA.
SEC. 10-103(b) 2- 4

SEISMIC BRACING NOTES

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-16 CHAPTER 13, 26, 29, AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING DUCTWORK. AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-19 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.8, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1616A.1.24, 1616A1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

PROVIDE MIN 12" CLEARANCE FROM EXISTING ADJACENT ANCHORS. TOTAL NUMBER OF ANCHORS WITHIN 12" STRIP IN THE SLAB, WALL, OR METAL DECK SPAN DIRECTION SHALL BE LIMITED TO 2, UNLESS OTHERWISE JUSTIFIED.

SUBMIT PLANS OR WALL ELEVATIONS WITH CORES FOR SEOR APPROVAL SHOWING THE AS-BUILT LOCATIONS OF ALL EXISTING FLOOR OR WALL OPENINGS AND ANY NON-STRUCTURAL COMPONENTS ATTACHED BOTH SIDES OF FLOOR OR WALL. STRENGTHENING AROUND OPENINGS MAY BE REQUIRED SUBJECT TO SEOR APPROVAL.

NO ATTACHMENT SHALL BE MADE WITHIN THE PROTECTED ZONES OF LFRS(LATERAL FORCE RESISTING SYSTEM), SUCH AS STEEL FRAME BEAM TO COLUMN CONNECTIONS OR STEEL BRACED FRAME BRACES AND GUSSET PLATE CONNECTIONS. COORDINATE THE LOCATIONS OF THE PROTECTED ZONES WITH THE SEOR.

PIPES OR CONDUITS SHALL NOT BE EMBEDDED IN ANY FLOOR SLAB, WALL OR FOOTING BUT MAY BE PENETRATED PER APPROVED PENETRATION DETAILS.

UNLESS SPECIFICALLY APPROVED ON THE DRAWINGS, NO STRUCTURAL MEMBERS SHALL BE ALTERED BY CUTTING, BORING, BRAZING, DRILLING, NOTCHING, WELDING, AND ETC. WITHOUT THE SEOR APPROVAL.

TORQUE TESTING REQUIRED FOR ALL UNISTRUT OR MODULAR STRUT FRICTION BOLTS PER MANUFACTURER RECOMMENDATIONS.

HVAC ABBREVIATIONS

ABBREV.	DESCRIPTION
A, AMPS	AMPERES
ABV	ABOVE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AP	ACCESS PANEL
ARCH	ARCHITECTURAL
AUTO	AUTOMATIC
BEL	BELOW
BFG	BELOW FINISHED GRADE
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CIRCUIT BREAKER
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
COMP	COMPRESSOR
COND	CONDITION
CONDR	CONDENSER
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT
CV	CONSTANT VOLUME
dB	DECIBEL
DB	DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DEFL	DEFLECTION
DEMO	DEMOLITION
DL	DOOR LOUVER
DN	DOWN
DPSW	DIFFERENTIAL PRESSURE SWITCH
DS	DUCT SILENCER
DSW	DISCONNECT SWITCH
DWGS	DRAWINGS
EX, EXIST	EXISTING
EA	EACH
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
ELECT	ELECTRICAL
ELEV	ELEVATION
ENCL	ENCLOSURE
ENT	ENTERING
ESP	EXTERNAL STATIC PRESSURE
EVAP	EVAPORATOR, EVAPORATIVE
°F	DEGREES FAHRENHEIT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT
FV	FACE VELOCITY
GAL	GALLON
GPM	GALLONS PER MINUTE
H	HEIGHT
HC	HEATING COIL
HP	HORSEPOWER
HR	HOUR
HTG	HEATING
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ
IN	INCH
KW	KILOWATT
L	LENGTH
LBS	POUNDS
LD	LINEAR DIFFUSER
LRA	LOCKED ROTOR AMPERES

ABBREV.	DESCRIPTION
LVG	LEAVING
MA	MIXED AIR
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MFGR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPH	MILES PER HOUR
NC	NOISE CRITERIA
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED
OPNG	OPENING
OP, OPER	OPERATING
OV	OUTLET VELOCITY
PERF	PERFORATED
PD	PRESSURE DROP
PH	PHASE
PR, PRESS	PRESSURE
PSI	POUND PER SQUARE INCH
QTY	QUANTITY
REFR	REFRIGERANT
RH	RELATIVE HUMIDITY
RLA	RATED LOAD AMPERES
RPM	REVOLUTIONS PER MINUTE
SC	SENSIBLE CAPACITY
SD	SMOKE DETECTOR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF, SQ FT	SQUARE FEET
SG	SUPPLY GRILLE
SHT	SHEET
SO	SCREENED OPENING
SP	STATIC PRESSURE
SPEC(S)	SPECIFICATIONS
SS	STAINLESS STEEL
ST	STEAM TRAP
SW	SWITCH
T	TANK
TA	TRANSFER AIR
TC	TOTAL CAPACITY
TDH	TOTAL DYNAMIC HEAD
TE	TOP ELEVATION
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UC	UNDERCUT
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
UON	UNLESS OTHERWISE NOTED
UTR	UP THRU ROOF
V	VOLTS
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
W	WIDTH
W/	WITH
WB	WET BULB TEMPERATURE
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
W/O	WITHOUT
WP	WEATHER PROOF
WT	WEIGHT
WTR	WATER

SHEET INDEX

NO.	DATE:	BY:	REMARKS:
1	6-14-24	JTC	PLAN CHECK RESUBMITTAL
2			

Editing Date = 6 / 19 / 2024 // 1:43 – Emmanuel Perez

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE, 5TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN
UPGRADES
PW15739, PCA: P9700230,
PCS ID: 2241

LOCATION :

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SYLMAR, CA 91342

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65 NORTH FIRST AVE., SUITE 201
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E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEN
M-31154
Exp. 12/31/25
MECHANICAL
STATE OF CALIFORNIA

CONSULTANT :

23990

dHA + CALPEC
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PASADENA, CA. 91105
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TITLE:

MECHANICAL LEGEND NOTES AND ABBREVIATIONS

SCALE:	
DATE:	02-04-25
DRAWN BY:	dHA + CALPEC
CHECKED BY:	KC/AI

SHEET NUMBER:

M-0.01

061424PLAN CHECK RESUBMITTAL

DUCTLESS OUTDOOR UNIT SCHEDULE

SYMBOL	MANUFACTURER AND MODEL NUMBER	LOCATION AND DRAWING REFERENCE	SERVICE	COOLING				COMPRESSOR		ELECTRICAL DATA					OPERATING WEIGHT (LB)	REMARKS
				CAPACITY		EFF.	AMBIENT TEMP (°F)	REFRIG-ERANT TYPE	TYPE	MCA	MFA	VOLTS	PHASE	HERTZ		
				TOTAL (MBH)	SENSIBLE (MBH)											
CU 1	DAIKAN 2MX18AXVJU	ROOF M-101	FC-1 & FC-2	17.5	17	17 SEER	110	R-410A	TWIN ROTARY	10.9	15	208	1	60	90	

DIRECT EXPANSION CASSETTE FAN COIL UNIT SCHEDULE

SYMBOL	MANUFACTURER AND MODEL NUMBER	LOCATION AND DRAWING REFERENCE	SERVICE	TYPE	SUPPLY FAN				MINIMUM OSA (CFM)	COOLING COIL CAPACITY		REFRIGERANT			FILTERS		ELECTRICAL DATA						MOUNTING DETAIL	OPERATING WEIGHT (LB)	REMARKS
					AIRFLOW (CFM)	ESP (IN WG)	DRIVE	MOTOR WATTS		TOTAL (MBH)	SENSIBLE (MBH)	TYPE	SUCTION LINE SIZE (IN)	LIQUID LINE SIZE (IN)	TYPE	QTY	MCA	MOCP	VOLTS	PHASE	HERTZ			
FC 1 / FC 2	DAIKAN FTXS09LVJU	CEILING M-101	STORAGE	DUCTLESS	381	-	DIRECT	18	0	9	7.2	R410A	1/2	1/4	-	-	-	-	208	1	60	-	25	(1)

NOTES: (1) PROVIDE CONDENSATE PUMP, POWERED FROM OUTDOOR UNIT CU-1.

NO.	DATE:	REMARKS:	BY:
1	6-14-24	PLAN CHECK RESUBMITTAL	JTC
2			
3			
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LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE, 5TH FLOOR
ALHAMBRA, CA 91803

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TITLE:

**MECHANICAL
EQUIPMENT
SCHEDULE**

SCALE:	
DATE:	02-04-25
DRAWN BY:	dHA + CALPEC
CHECKED BY:	KC/AI

SHEET NUMBER:

M-0.02

061424PLAN CHECK RESUBMITTAL

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)2 for alterations.			
Project Name:	23990 LACDPW Barry J Nidorf Camp Security Upgrade	**Report Page:**	**(Page 1 of 9)**
Project Address:		**Date Prepared:**	2024-05-30T14:58:58-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Sylmar	04	Total Conditioned Floor Area	200
02	Climate Zone	9	05	Total Unconditioned Floor Area	0
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	0

● All Other Occupancies

B. PROJECT SCOPE

This table Includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations.

01		02		03	
Air System(s)		Wet System Components		Dry System Components	
☐	Heating Air System	☐	Water Economizer	☐	Air Economizer
☒	Cooling Air System	☐	Pumps	☐	Electric Resistance Heat
Mechanical Controls		☐	System Piping	☒	Fan Systems
☒	Mechanical Controls (existing to remain, altered or new)	☐	Cooling Towers	☐	Ductwork (existing to remain, altered or new)
		☐	Chillers	☒	Ventilation
		☐	Boilers	☐	Zonal Systems/ Terminal Boxes

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	23990 LACDPW Barry J Nidorf Camp Security Upgrade	**Report Page:**	**(Page 2 of 9)**
		Date Prepared:	2024-05-30T14:58:58-04:00

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01		02		03		04		05		06		07		08	09
System Summary 110.1, 110.2, 140.4, 170.2(c)	AND	Pumps 140.4(k), 170.2(c)4I	AND	Fans/ Economizers 140.4(c), 140.4(e), 170.2(c)	AND	System Controls 110.2, 120.2, 140.4(f), 170.2(c)	AND	Ventilation 120.1, 160.2	AND	Terminal Box Controls 140.4(d), 170.2(c)4B	AND	Distribution 120.3, 140.4(l), 160.2, 160.3	AND	Cooling Towers 110.2(e)2	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)	
Yes	AND		AND	Yes	AND	Yes	AND	Yes	AND		AND		AND		COMPLIES with Exceptional Conditions
Mandatory Measures Compliance (See Table Q for Details)										COMPLIES					

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

The permit applicant has indicated on Table J that natural ventilation is being utilized to meet ventilation requirements. Additional documentation may be requested by the Authority Having Jurisdiction demonstrating compliance for natural ventilation design.

Transfer air is being used in at least one zone to meet minimum ventilation requirements. See Table J for details. Transfer air must be designed per §120.1(g) for air classification and recirculation limitations and be documented within construction documents.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	23990 LACDPW Barry J Nidorf Camp Security Upgrade	**Report Page:**	**(Page 3 of 9)**
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F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Space Conditioning System Information

01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
CU-1	1	Single zone	New/ Addition	All Other Occupancies	☐

Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

01	02	03	04	05	06	07	08	09	10	11
				Equipment Sizing per Mechanical Schedule (kBtu/h) 140.4(a&b), 170.2(c)1 & 170.2(c)2						
				Heating Output[2,3]			Cooling Output[2,3]		Load Calculations[3,4]	
Name or Item Tag	Equipment Category per Tables 110.2, 140.4(a)2 and 170.2(c)3aii	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available[1] 140.4(a) and 170.2(c)1	Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
CU-1	Unitary Heat Pumps (no elec. resistance)	Air-cooled, pkg (1phase)	Yes	0	17	0	17,000	17.5	1	17

[1]FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(a) and 170.2(c)1. Healthcare facilities are excepted.
[2]It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.
[3] If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.
[4] Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c).

Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)

01	02	03	04	05	06	07	08	09
		Heating Mode				Cooling Mode		
Name or Item Tag	Size Category (Btu/h)	Rating Condition (°F)	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency
CU-1	<65,000					SEER2	13.4	17

STATE OF CALIFORNIA

Mechanical Systems

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CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	23990 LACDPW Barry J Nidorf Camp Security Upgrade	**Report Page:**	**(Page 4 of 9)**
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G. PUMPS

This section does not apply to this project.

H. FAN SYSTEMS & AIR ECONOMIZERS

This table is used to demonstrate compliance with prescriptive requirements found in 140.4(c), 140.4(e), 140.4(m), 170.2(c)3, and 170.2(c)4A for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name	FC-1, 2	Quantity	2	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	381	Site Elevation	1,270	Economizer	NA: <=33 kBtu/h cooling

01	02	03	04	05	06	07	08	09	10	11
						Allowance		Design		
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g)	Component Allowance	Fan Allowance (watt/cfm)[3]	Design Electrical Input Power Method	Motor Nameplate Horsepower	Design Electrical Input Power (kW)
FC-1, FC-2	Supply	2	Hydronic/DX cooling coil or heat pump coil	100		0.13	0.139	Manufacturer provided		0.01
Supply Fan Base Allowance (kW)			Exhuast/Return/Relief/Transfer Fan Base Allowance(kW)			Fan System Allowance (kW)[3]			Fan System Electrical Output (kW)	0.04

[1] FOOTNOTES: Fans serving spaces with design background noise goals below NC35
[2] Low-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design airflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load served by the equipment shall have fixed loads.
[3] Fan system allowance includes fan system base allowance.
[4] Filter pressure loss can only be counted once per fan system.
[5] Complex Fan System means a fan system that combines a single cabinet fan system with other supply fans, exhaust fans, or both.
[6] Computer room economizers must meet requirements of 140.9(a) and will be documented on the NRCC-PRC-E document..

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	23990 LACDPW Barry J Nidorf Camp Security Upgrade	**Report Page:**	**(Page 5 of 9)**
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H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)4O

01	02	03	04	05	06	07	08	09	10	11
Fan System Name	Qty	Hours of Operation per Year	Design Supply Airflow Rate	Outdoor Airflow	% Outdoor Air at Full Design Airflow	Exemptions to Exhaust Air Heat Recovery Requirement per 140.4(q) & 170.2(c)4O	Exhaust Air Heat Recovery 140.4(q) & 170.2(c)4O	Type Of Heat Recovery Rating	Required Recovery Ratio	Energy Recovery Bypass
FC-1, 2			381	15	0.04	NA: Serving space not cooled and heated to <60 F				

Fan Energy Index (FEI)

01	02	03
Name or Item Tag	FEI Exception	FEI
FC-1, 2	Embedded Fan <5HP or <4.1kW	

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 141.0(b)2E 180.2(b)2 for altered space conditioning systems.

01	02	03	04	05	06	07	08	09	10
System Name	System Zoning	Conditioned Floor Area Being Served (ft^2)	Thermostats 110.2(b) & (c)[1], 120.2(a) 160.3(a)2A or 141.0(b)2E & 180.2(b)2	Shut-Off Controls 120.2(e) & 160.3(a)2D	Isolation Zone Controls 120.2(g) & 160.3(a)2F	Demand Response 110.12 120.2(b) & 160.3(a)2B	Supply Air Temp. Reset 140.4(f) & 170.2(c)4D	Window Interlocks per 140.4(n) & 170.2(c)4D	Direct Digital Control (DDC) per 120.2
FC-1, 2	Single zone	<= 25,000 ft^2	EMCS	NA: Altered per 141.0(b)2E	NA: Serves < 25k ft^2	EMCS	NA: Alteration	NA: Alteration Project	NA: Single Zone

[1]FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.

STATE OF CALIFORNIA

Mechanical Systems

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CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	23990 LACDPW Barry J Nidorf Camp Security Upgrade	**Report Page:**	**(Page 6 of 9)**
		Date Prepared:	2024-05-30T14:58:58-04:00

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3B 140.4(p) and 140.4(q) for all nonresidential and hotel/motel and d:t24refnolink/]160.2, 160.3(a)3D, 170.2(a)4N, 170.2(a)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

01	☐	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	☒	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
	☐	
03	☒	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2.

Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems

04		05		06		07
System Name	FC-1, 2	System Design OA CFM Airflow[1]	0	System Design Transfer Air CFM	30	Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21[2]: Provided

08	09	10	11	12	13	14	15	16	
	Mechanical Ventilation Required per 120.1(c)3[3] & 160.2(c)3					Exh. Vent per 120.1(c)4 & 160.2(c)4		DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3[6] 160.2(c)5D 160.2(c)5E 160.2(c)5D	
Space Name or Item Tag	Occupancy Type[4]	Conditioned Floor Area (ft^2)	# of Shower heads/ toilets	# of people[5]	Required Min OA CFM	Required Min CFM	Provided per Design CFM		
Dry Food Storage Room	Occupiable storage rooms for dry materials	200			30			DCV	NA: Area < 150ft^2 or design occupancy < 10 people
								Occ Sensor	NA: Alteration
17	Total System Required Min OA CFM				30	18	Ventilation for this System Complies?		Yes

[1] FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system
[2] Air filtration requirements apply to the following three system types per 120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.
[3] Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.
[4] See Standards Tables 120.1-A and 120.1-B.

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	23990 LACDPW Barry J Nidorf Camp Security Upgrade	**Report Page:**	**(Page 7 of 9)**
		Date Prepared:	2024-05-30T14:58:58-04:00

J. VENTILATION AND INDOOR AIR QUALITY

[5] For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.
[6] 120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft^2 or smaller, multipurpose rooms less than 1,000 ft^2, classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).

K. TERMINAL BOX CONTROLS

This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK and PIPING)

This section does not apply to this project.

M. COOLING TOWERS

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title
NRCI-MCH-01-E - Must be submitted for all buildings

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	23990 LACDPW Barry J Nidorf Camp Security Upgrade	**Report Page:**	**(Page 8 of 9)**
		Date Prepared:	2024-05-30T14:58:58-04:00

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title	Systems/Spaces To Be Field Verified
NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.	FC-1, 2
NRCA-MCH-18-A Energy Management Control Systems	FC-1, 2

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no NRCV forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

01		02
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	No	Plan sheet or construction document location

03	04
Mandatory Measure	**Plan sheet or construction document location**
Heating Equipment Efficiency per 110.1	N/A
Cooling Equipment Efficiency per 110.1	N/A
Furnace Standby Loss Control per 110.2(d)	N/A
Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)	N/A
Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2	N/A

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	23990 LACDPW Barry J Nidorf Camp Security Upgrade	**Report Page:**	**(Page 9 of 9)**
Project Address:	16350 Filbert Street Sylmar, CA 91342	**Date Prepared:**	2024-05-30T14:58:58-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Christopher Chen	Documentation Author Signature: CChen
Company: dHA + Calpec	Signature Date: 05/30/24
Address: 150 S Arroyo Parkway, Suite No. 100	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Pasadena/CA/91105	Phone: 626-445-4580

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Kevin Chen	Responsible Designer Signature: [signature]
Company: dHA + CALPEC	Date Signed: 05-30-2024
Address: 150 S Arroyo Parkway, Suite No. 100	License: M-31154
City/State/Zip: Pasadena/CA/91105	Phone: 626-445-4580

NO.	REMARKS:	BY:	DATE:
1	PLAN CHECK RESUBMITTAL	JTC	6-14-24
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

Editing Date : 6 / 10 / 2024 // 1442 – Emmanuel Perez

COUNTY OF LOS ANGELES PUBLIC WORKS — Public Service That Works

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 5TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF SECURE YOUTH TRACK FACILITY SECURITY AND KITCHEN UPGRADES PW15739, PCA: P9700230, PCS ID: 2241

LOCATION :

16350 FILBERT STREET, SYLMAR, CA 91342

ARCHITECT :

JTC architects, inc.
65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

REGISTERED PROFESSIONAL ENGINEER KEVIN S. CHEN M-31154 Exp. 12/31/25 MECHANICAL STATE OF CALIFORNIA

CONSULTANT :

23990
dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

TITLE:

MECHANICAL TITLE 24

SCALE:	
DATE:	02-04-25
DRAWN BY:	dHA + CALPEC
CHECKED BY:	KC/AI
SHEET NUMBER:	**M-0.03**

061424PLAN CHECK RESUBMITTAL

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.	
Project Name: 23990 LACDPW Barry J Nidorf Camp Security Upgrade - Envelope	**Report Page:** (Page 1 of 6)
Project Address:	**Date Prepared:** 2024-06-03T18:55:14-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Sylmar	05	# of Stories (Habitable Above Grade)	0
02	Zipcode	91342	06	Total Conditioned Floor Area (ft²)	200
03	Climate Zone	9	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): if one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)				Component Types				
				01				02
☒	New Construction or Newly Conditioned Space		☒	Roof	☒	Walls	☐	Exterior Opaque Doors
	☐ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft		☒		☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space				☐	Walls	☐	Exterior Opaque Doors
	☐ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft		☐	Roof				
	☐ Addition is <=700 ft²				☐	Floors	☐	Fenestration/ Glazed Doors[1]
	☐ Addition is >700 ft²							
☐	Alteration of conditioned space		☐	Roof Assembly	☐	Walls		
	☐ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time		☐	Roofing Material[2]	☐	Floors	☐	Fenestration

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ENV-E
Project Name: 23990 LACDPW Barry J Nidorf Camp Security Upgrade - Envelope	**Report Page:** (Page 2 of 6)
	Date Prepared: 2024-06-03T18:55:14-04:00

B. PROJECT SCOPE

[1] FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2] Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through L. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable table referenced below.

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes	Yes					

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☐ Framed	☐ Framed-Multifamily	☐ SIPS	☒ Span Deck & Concrete	☐ Metal Panels	☐ Metal Building

Span Deck And Concrete Roof Assemblies		
01	☐	Include Span Deck and Concrete Roof Assemblies in Area-Weighted Average U-factor Calculation[1]

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ENV-E
Project Name: 23990 LACDPW Barry J Nidorf Camp Security Upgrade - Envelope	**Report Page:** (Page 3 of 6)
	Date Prepared: 2024-06-03T18:55:14-04:00

F. ROOF ASSEMBLY SCHEDULE

Span Deck And Concrete Roof Assemblies

02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
General Notes #1	M-1.01	Altered	The area of the roof recoat is not required to be insulated.	Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Fireproofing	Concrete Topping Thickness (in.)	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
General Notes #1							per JA4		
							per Software/ Other		

[1] FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08	09	10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance	Designed Material Performance	U-factor / R-value of Assembly

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ENV-E
Project Name: 23990 LACDPW Barry J Nidorf Camp Security Upgrade - Envelope	**Report Page:** (Page 4 of 6)
	Date Prepared: 2024-06-03T18:55:14-04:00

H. WALL ASSEMBLY SCHEDULE

This table demonstrates compliance with prescriptive wall assembly requirements in 140.3(a)/ 170.2(a) for new constructions, 141.0(a)/ 180.1 for additions and 141.0(b)1B/ 180.2 for alterations.

01	Indicate wall types included in the project:[1]	☐ Framed	☒ Mass (new only)	☐ Concrete Sandwich Panel (new only)	☐ SIPS	☐ ICF (new only)
		☐ Metal Panels	☐ Metal Building	☐ Spandrel/ Curtain Wall	☐ Straw Bale	☐ Log Home (new only)

[1] FOOTNOTES: Wall types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be clicked above and compliance demonstrated within this table.

Mass Walls (new walls only)

01	☐	Calculate Area-Weighted Average U-factor for Mass Walls[1]									
02	03	04	05	06	07	08	09	10	11		12
Tag/Plan Detail ID	Occupancy Type	How Design U-factor was determined	Mass Information			Additional Insulation Information		Maximum U-factor Allowed[2]	U-factor per Design		Net Area[3] ft²
			Mass Material	Fill Options	Thickness (in)	Frame Material & Thickness	Cavity Insulation per Design				
General Notes #1	Nonresidential/ Relocatable 1 CZ	JA4 Tables	CMU medium weight	Solid Grout	8 in			0.69	per JA4	0.65	
									per Software/ Other		

[1] FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Mass walls are combined with concrete sandwich panel, log and ICF wall types. Mass walls must meet mandatory requirements in 120.7(b), but may area-weight to comply with prescriptive requirements in Table 140.3 for new construction.
[2] Mass walls are defined as "light" or "heavy" depending on their Heat Capacity. Heat Capacity is determined in Tables 4.3.5 and 4.3.6 in Joint Appendix 4. Walls with Heat Capacity of 15 or greater are "heavy" while walls with Heat Capacity from 7 to less than 15 are "light". Walls with heat capacity less than 7 would be categorized as "Wood Framed and Other" for compliance purposes.
[3] Wall area minus any fenestration area

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ENV-E
Project Name: 23990 LACDPW Barry J Nidorf Camp Security Upgrade - Envelope	**Report Page:** (Page 5 of 6)
	Date Prepared: 2024-06-03T18:55:14-04:00

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ENV-E
Project Name: 23990 LACDPW Barry J Nidorf Camp Security Upgrade - Envelope	**Report Page:** (Page 6 of 6)
Project Address: 16350 Filbert Street Sylmar, CA 91342	**Date Prepared:** 2024-06-03T18:55:14-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Christopher Chen	CChen
Company: dHA + Calpec	Signature Date: 05/30/24
Address: 150 S Arroyo Parkway, Suite No. 100	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Pasadena/CA/91105	Phone: 626-445-4580

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Kevin Chen	
Company: dHA + CALPEC	Date Signed: 05-30-2024
Address: 150 S Arroyo Parkway, Suite No. 100	License: M-31154
City/State/Zip: Pasadena/CA/91105	Phone: 626-445-4580

BY: | NO. | DATE: | REMARKS:
BY: | NO. | DATE: | REMARKS:
BY: | NO. | DATE: | REMARKS:
BY: | NO. | DATE: | REMARKS:
BY: JTC | NO. 1 2 | DATE: 6-14-24 | REMARKS: PLAN CHECK RESUBMITTAL

Editing Date : 6 / 19 / 2024 // 143 – Eliminated Pens

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE, 5TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF SECURE YOUTH TRACK FACILITY SECURITY AND KITCHEN UPGRADES PW15739, PCA: P9700230, PCS ID: 2241

LOCATION :

16350 FILBERT STREET, SYLMAR, CA 91342

ARCHITECT :

JTC architects, inc.
65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

CONSULTANT :

23990
dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

TITLE:

MECHANICAL TITLE 24

SCALE:
DATE: **02-04-25**
DRAWN BY: dHA + CALPEC
CHECKED BY: KC/AI

SHEET NUMBER:

M-0.04

061424PLAN CHECK RESUBMITTAL

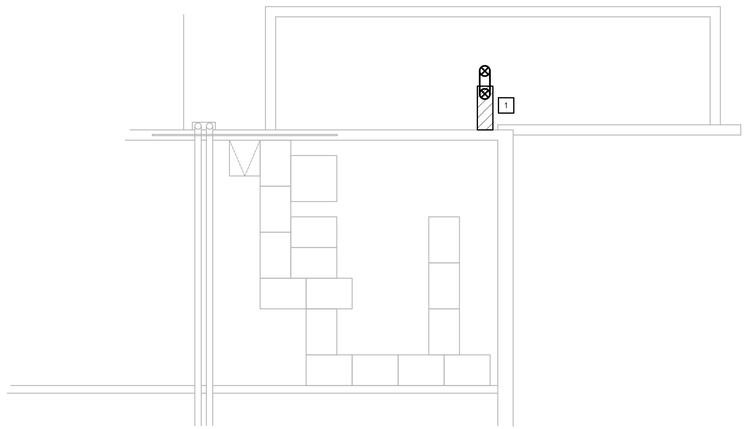
GENERAL NOTES

1. DRY FOOD STORAGE ROOM - NEW CONDITIONED SPACE WITHIN EXISTING CONCRETE BLOCK WALLS AND EXISTING CONCRETE ROOF DECK.

REFERENCE NOTES

1. REMOVE (E) DUCTWORK ACCESSORIES AND PATCH PENETRATIONS TO MATCH (E)WALLS AND ROOF

EXACT LOCATION, ELEVATION & SIZE OF EXISTING SHALL BE FIELD VERIFIED



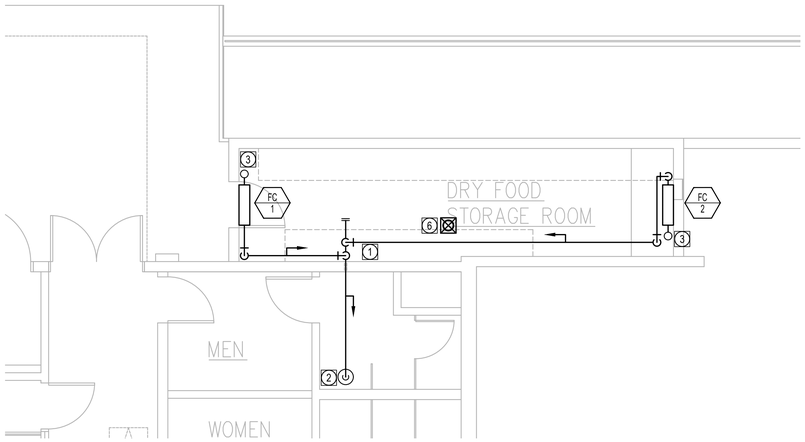
PARTIAL ROOF PLAN - DEMO WORK SCALE: 1/4"=1'-0" **1**

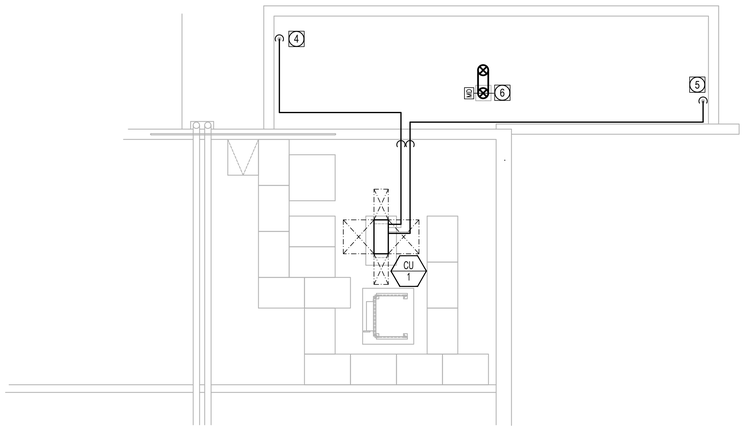
GENERAL NOTES

1. DRY FOOD STORAGE ROOM - NEW CONDITIONED SPACE WITHIN EXISTING CONCRETE BLOCK WALLS AND EXISTING CONCRETE ROOF DECK.

REFERENCE NOTES

1. 3/4" CD (TYP.)
2. 3/4" CD DOWN & CONNECT TO THE TAIL PIECE OF THE LAVATORY.
3. REFRIGERANT PIPING UP TO CU-1 ON THE ROOF.
4. REFRIGERANT PIPING FROM FC-1.
5. REFRIGERANT PIPING FROM FC-2.
6. 4" OSA DUCT UP TO THE ROOF WITH MANUAL DAMPER TO SET TO 30 CFM, TERMINATE 3' ABOVE THE ROOF WITH GOOSENECK AND 1/4" MESH SCREEN.





PARTIAL FLOOR AND ROOF PLAN - NEW WORK SCALE: 1/4"=1'-0" **2**

NO.	DATE:	REMARKS:
1	6-14-24	PLAN CHECK RESUBMITTAL

BY: JTC

Editing Date : 6 / 19 / 2024 // 143 – Emmanuel Perez

PUBLIC WORKS

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE, 5TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN
UPGRADES
PW15739, PCA: P9700230,
PCS ID: 2241

LOCATION :

16350 FILBERT STREET,
SYLMAR, CA 91342

ARCHITECT :

JTC architects, inc.
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JTC PROJECT NO: **37603.0D**

SEAL :

CONSULTANT :

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dHA + CALPEC
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SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

TITLE:

MECHANICAL FLOOR AND ROOF PLAN

SCALE:	
DATE:	02-04-25
DRAWN BY:	dHA + CALPEC
CHECKED BY:	KC/AI

SHEET NUMBER:

M-1.01

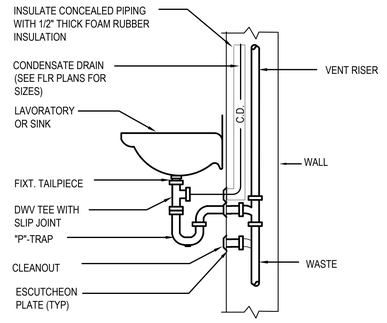
061424PLAN CHECK RESUBMITTAL

–

N.T.S. 5

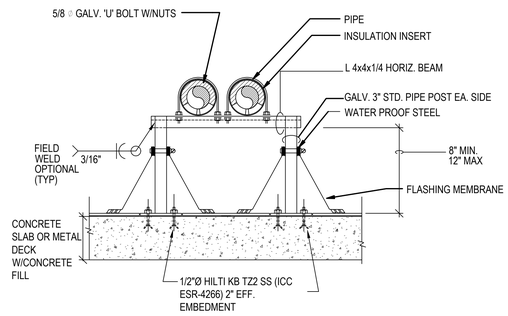
CONDENSATE DRAIN TO LAVATORY TAILPIECE DETAIL

N.T.S. 3



PIPE ROOF SUPPORT DETAIL

N.T.S. 1



NOTES:

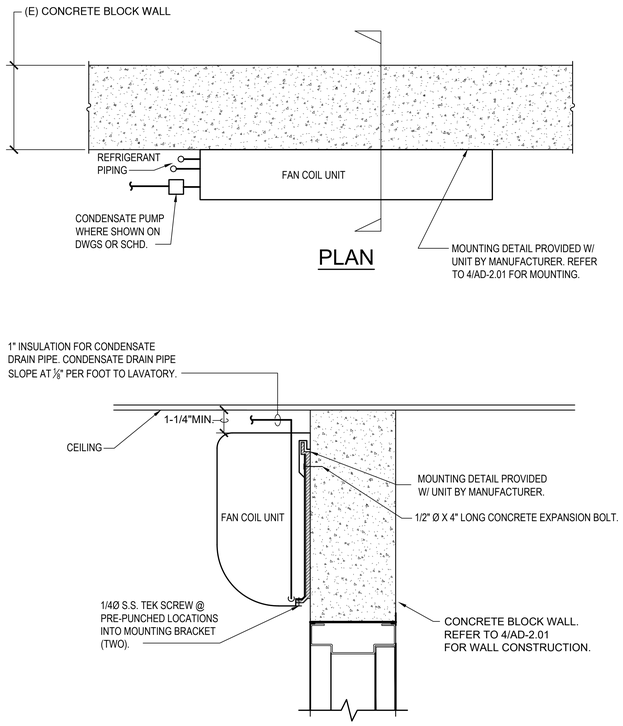
1. P=MAX LOAD ON ONE FRAME @ PIPES 300 lbs MAX
2. PAINT ALL EXPOSED STEEL

–

N.T.S. 6

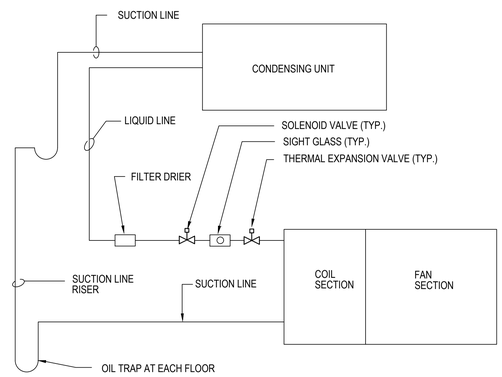
WALL MOUNTED FC INSTALLATION

N.T.S. 4



REFRIGERANT PIPING DETAIL

N.T.S. 2



NOTES:

1. REFRIGERANT PIPING DIAGRAM SHOWN IS SCHEMATIC. PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SUBMIT MANUFACTURER'S WRITHEN APPROVAL OF REFRIGERANT PIPING DIAGRAM. SEE EQUIPMENT SCHEDULES FOR REFRIGERANT PIPING SIZES.

NO.	DATE:	REMARKS:	BY:
1	6-14-24	PLAN CHECK RESUBMITTAL	JTC
2			
3			
4			
5			
6			
7			

Editing Date : 6 / 19 / 2024 // 143 – Emmanuel Perez

LOS ANGELES COUNTY
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MECHANICAL DETAILS

SCALE:	
DATE:	02-04-25
DRAWN BY:	dHA + CALPEC
CHECKED BY:	KC/AI

SHEET NUMBER:

M-5.01

061424PLAN CHECK RESUBMITTAL

DEMOLITION NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS.
2. ALL WORK SHALL BE PERFORMED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS INDICATED OR AS REQUIRED TO PERFORM THE NEW WORK.
3. REMOVE ALL LIGHT FIXTURES, SWITCHES, SPEAKERS, TELEPHONE OUTLETS, RECEPTACLES, MISCELLANEOUS CONDUIT, WIRE, ETC. THAT INTERFERES WITH NEW CONSTRUCTION. EXTEND ANY INTERRUPTED CIRCUITS. PROVIDE BLANK COVER PLATES AS REQUIRED IN FINISHED AREAS, COVER PLATES SHALL MATCH THE WALL SURFACE.
4. INFORMATION GIVEN ON THE DRAWINGS ABOUT EXISTING INSTALLATIONS HAS BEEN OBTAINED FROM THE BEST SOURCES AVAILABLE BUT CANNOT BE GUARANTEED ACCURATE IN ALL RESPECTS. VERIFY ALL SUCH INFORMATION BEFORE PROCEEDING WITH ANY NEW WORK THAT MAY BE AFFECTED. INCLUDE AS A PART OF THE CONTRACT ALL WORK REQUIRED TO PRODUCE THE INDICATED RESULT.
5. EXCEPT AS MAY BE SPECIFICALLY INDICATED OTHERWISE, ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING INSTALLATION IN THE COURSE OF PERFORMING THE INDICATED WORK AND NOT INDICATED TO BE REUSED SHALL BE TREATED AS FOLLOWS:
   A. ALL CONDUITS, CONDUCTORS, OUTLET BOXES AND FITTINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
   B. ALL OTHER REMOVED ITEMS SHALL BE TURNED OVER TO THE OWNER AND DISPOSED OF AS DIRECTED BY THE OWNER.
6. CLEAN ALL REMOVED ITEMS THAT ARE TO BE REUSED, WHERE A CHOICE IS POSSIBLE, SELECT THE BEST OF THE REMOVED ITEMS FOR REUSE. ALL CONDUCTORS SHALL NOT BE RE-USEABLE.
7. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL EXISTING WIRING, CONDUITS, JUNCTION BOXES AND OTHER ELECTRICAL DEVICES IN AREAS WHERE NEW WORK OCCURS, SHALL BE REMOVED EXCEPT WHEN SUCH DEVICES ARE REQUIRED TO MAINTAIN SERVICES TO OTHER AREAS. IN SUCH CASES, CONTRACTOR SHALL RELOCATE THESE DEVICES WHERE REQUIRED TO ACCOMMODATE NEW WORK. CONTRACTOR MAY ABANDON IN PLACE ANY OF THE EXISTING ITEMS WHEN SUCH ITEMS ARE CONCEALED AND DO NOT INTERFERE WITH THE NEW WORK OF ALL TRADES.
8. NUMBER OF CONDUCTORS SHOWN ON EXISTING CONDUITS REPRESENT THOSE REQUIRED TO PERFORM THE WORK. WHEN NUMBER OF EXISTING IS INADEQUATE, CONTRACTOR SHALL PROVIDE ADDITIONAL WIRES AND ALL NECESSARY WORK AND ACCESSORIES REQUIRED TO CONFORM TO THE NUMBER OF CONDUCTORS SHOWN ON THE DRAWINGS. ALL EXTRA EXISTING WIRES SHALL BE TAPED, COILED AND TAGGED AS "NOT-USED" AT BOTH ENDS IN JUNCTION BOXES. CONTRACTOR SHALL EXAMINE AND REPLACE ALL EXISTING WIRES IN BAD CONDITION WITH EQUIVALENT NEW ONES.
9. ALL EXISTING CEILING MOUNTED PAGING SPEAKER (SHOWN ROUND WITH "S" SYMBOL ON THE PLAN) ON DEMOLISHED AREA SHALL BE RELOCATED TO THE NEW CEILING, MAINTAIN THE EXISTING CONNECTION (EXTEND WIRING IF REQUIRED) FOR PROPER FUNCTION, FIELD COORDINATE EXACT LOCATION ON SITE.
10. EXISTING FIRE ALARM DEVICE IN THE DEMOLISHED AREA SHALL BE PROTECTED AND RELOCATED TO THE NEW FINISHED WALL OR CEILING, COORDINATE WITH BUILDING FIRE ALARM CONTRACTOR FOR PREVENTING NUISANCE OR FALSE ALARM DURING THE CONSTRUCTION.

DEMOLITION AND REMODEL SYMBOLS

THE FOLLOWING LETTER DESIGNATIONS SHOWN ON DEMOLITION/ REMODEL PLANS ADJACENT TO LIGHT FIXTURES, RECEPTACLES, TELEPHONE AND DATA OUTLETS, EQUIPMENT, ETC. DENOTE:

(R)	REMOVAL OF EXISTING EQUIPMENT.
(E)	EXISTING EQUIPMENT TO REMAIN IN PLACE.
(ER)	EXISTING EQUIPMENT TO BE REMOVED AND RELOCATED.
(RE)	RELOCATED EXISTING EQUIPMENT NEW LOCATION.
——— E ———	EXISTING CIRCUITS TO REMAIN
– – – – R – – – –	REMOVE EXISTING CIRCUITS

SYMBOL LIST

GENERAL:

- DUPLEX CONVENIENCE OUTLET 20 AMP, 120 VOLT, +18" A.F.F. U.O.N..
- GFI — GFI DUPLEX RECEPTACLE 20AMP, 120 VOLT, 48"A.F.F. (IF MOUNTED ADJACENT TO SINK ABOVE COUNTER), U.O.N.
- J — JUNCTION BOX.
- J — JUNCTION BOX WALL MOUNTED.
- DISCONNECT SWITCH, 30 AMP, 3 POLE, NON-FUSED U.O.N..
- 60A / 50A — DISCONNECT SWITCH, 60 AMP, 3 POLE WITH 50 AMP FUSES.
- TERMINAL CABINET AS NOTED.
- SURFACE MOUNTED LIGHTING AND RECEPTACLE PANELBOARD.
- FLUSH MOUNTED LIGHTING AND RECEPTACLE PANELBOARD.
- SWITCHBOARD OR POWER PANELBOARD.
- PUSH-BUTTON, +48" A.F.F., U.O.N..
- CONNECTION TO EQUIPMENT.
- TRANSFORMER.
- 2LA — PANEL, SWITCHBOARD, TRANSFORMER OR TERMINAL CABINET DESIGNATION.
- 2 — DEMOLITION REFERENCE NOTE.
- 2 — REFERENCE NOTE.
- ELECTRICAL DEVICE AS NOTED (I.E. RELAY, TIME CLOCK).
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR SLAB OR UNDERGROUND.
- EXPOSED CONDUIT. — CONDUIT STUB WITH CAP. (WITH POLY-PROPYLENE PULL WIRE).
- CONDUIT TURNING UP. — CONDUIT TURNING DOWN.
- 3/4"C.-2#12&1#12 EG. — 3/4"C.-5#12&1#12 EG.
- 3/4"C.-3#12&1#12 EG. — 3/4"C.-6#12&1#12 EG.
- 3/4"C.-4#12&1#12 EG. — 3/4"C.-7#12&1#12 EG.
- #6 — CONDUCTORS OTHER THAN #12 AWG AS INDICATED (3#6 AWG & 1#6 EG) SIZE CONDUIT PER APPLICABLE CODES.
- 2LA-1&3&5 — HOMERUN TO PANEL "2LA" CIRCUITS 1,3,5, 3#12 & 1#12 EG. (3-POLE CIRCUIT BREAKER).
- 2LA-2,4,6 — HOMERUN TO PANEL "2LA" CIRCUITS 2,4,6 WITH COMMON NEUTRAL, 4#12 & 1#12 EG. (3 SINGLE POLE MULTI-TIED BREAKERS)
- 2LA-2,4,6 — HOMERUN TO PANEL "2LA" CIRCUITS 2,4,6 WITH INDIVIDUAL NEUTRALS, 6#10 & 1#10 EG. (3 SINGLE POLE BREAKERS)

COMMUNICATION SYSTEM SYMBOL:

- W — WALL PHONE OUTLET, 4" SQUARE BOX WITH SINGLE GANG PLASTER RING AND 1-1/4"C.O. STUBBED UP 6" ABOVE ACCESSIBLE CEILING SPACE. OUTLET SHALL BE MOUNTED AT +44" ABOVE FINISH FLOOR, UON.
- VOICE/DATA OUTLET, 4" SQUARE BOX WITH SINGLE GANG PLASTER RING AND 1-1/4"C.O. STUBBED UP 6" ABOVE ACCESSIBLE CEILING SPACE. OUTLET SHALL BE MOUNTED AT +18" ABOVE FINISH FLOOR, UON.

LIGHTING:

- CLG. / WALL — Es — LIGHTING FIXTURE, "6" DENOTES CIRCUIT NUMBER, "a" DENOTES CONTROLLING SWITCH.
- LIGHTING FIXTURE.
- 2'x4' FIXTURE RECESSED IN "T" BAR CEILING SYSTEM
- EM — 2'x4' FIXTURE RECESSED IN "T" BAR CEILING SYSTEM ON EMERGENCY CIRCUIT "EM" WITH UL924 EMERGENCY RELAY.
- 2'x2' FIXTURE RECESSED IN "T" BAR CEILING SYSTEM
- SINGLE FACE EXIT LIGHT WITH DIRECTIONAL ARROWS IF INDICATED. WALL MOUNTED.
- A / 100 — FIXTURE TYPE "A" 100 VOLT AMPERE EACH. TYPICAL IN ROOM OR AREA U.O.N. (BALLAST LOSS INCLUDED, IF ANY). SEE FIXTURE SCHEDULE.
- S^{3}_{D} — SINGLE POLE TOGGLE SWITCH, +42" A.F.F., U.O.N.. SUBSCRIPTS INDICATE THE FOLLOWING:

a - OUTLETS CONTROLLED.	M - MANUAL MOTOR STARTER 20 AMP/1P.
2 - TWO POLE.	D - DIMMER.
3 - THREE WAY.	R - REMOTE CONTROL, MOMENTARY CONTACT.
4 - FOUR WAY.	F - FLY FAN DOOR SWITCH.
K - KEYED.	T - TIMER
P - PILOT LIGHT.	

STAND ALONE OCCUPANCY SENSOR FOR LIGHTING CONTROL SYSTEM NOTES:

OCCUPANCY SENSOR (NOT PART OF LIGHTING CONTROL PANEL) FOR LIGHTING CONTROL SYSTEM SHALL BE BY "GREENGATE" (COOPER CONTROLS), WITH THE FOLLOWING PRODUCT NUMBERS:

1. WALL MOUNTED SENSOR; PIR TECHNOLOGY, AUTO OR MANUAL ON FOR PRIVATE/SMALL OFFICE, CONFERENCE ROOM AND STORAGE:
   a. DUAL LEVEL, GREENGATE #OSW-P-0451-DMV (COVERAGE >100-300 SQUARE FEET)
   b. SINGLE LEVEL, GREENGATE #OSW-P-0451-MV (COVERAGE >100-SQUARE FEET)

2. CEILING MOUNTED SENSOR:
   ULTRASONIC SENSOR TECHNOLOGY, TO BE INSTALLED WITH SWITCH PACK, GREENGATE #SP20-MV AND MANUAL WALL MOUNTED SWITCH:
   a. SMALL OFFICE, <1270 S.F., GREENGATE #OMC-U-1001 ONE WAY COVERAGE.
   b. OPEN OFFICE OR RESTROOM <2500 S.F., GREENGATE #OMC-U-2000 TWO WAY COVERAGE.
   c. CORRIDORS OR NARROW HALLWAYS, 13 FT.x 100 FT. COVERAGE, GREENGATE #ODC-U-0100-H, TWO WAY COVERAGE.

EACH SENSOR TIME DELAY SHALL BE SET AT 8 MINUTES.

CONTRACTOR TO COORDINATE WITH MANUFACTURER REPRESENTATIVE FOR THE BEST PLACEMENT AND QUANTITY OF THE CEILING MOUNTED SENSORS, AND ADDITIONAL ACCESSORIES FOR COMPLETE AND OPERABLE LIGHTING CONTROL SYSTEM.

SINGLE LINE DIAGRAM:

- 150A 3P — CIRCUIT BREAKER, MOLDED CASE, 3 POLE, 150 AMP TRIP.
- 70A 100A 3P — SWITCH AND FUSE, 3 POLE, 100 AMP WITH (3) 70 AMP FUSES.
- M — METERING AND CURRENT/POTENTAIL TRANSFORMER AS REQUIRED.
- G — GROUND FAULT SENSOR.
- TRANSFORMER WITH SECONDARY GROUND.
- FDR-6 — FEEDER NO. 3 - SEE FEEDER SCHEDULE.
- GROUND WELL WITH ROD.
- GROUND TO COLD WATER PIPE.
- GROUND TO UFER.
- N — NEUTRAL BUS.
- G — EQUIPMENT GROUND BUS.

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2022 CALIFORNIA ELECTRICAL CODE (CEC) AND ALL APPLICABLE LOCAL CODES AND REGULATIONS. LEGALLY REQUIRED STANDBY SYSTEM SHALL COMPLY WITH 2022 CEC ARTICLE 701.
2. MINIMUM SIZE OF CONDUIT SHALL BE 3/4", MINIMUM SIZE OF CONDUCTOR SHALL BE #12 AWG UNLESS OTHERWISE NOTED.
3. ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS TO ACCOMMODATE CONDUCTORS SHOWN.
4. WHERE WIRE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.
5. ALL JUNCTION BOXES AND PULL BOXES SHALL BE OF CODE GAUGE AND OF THE REQUIRED SIZE TO ACCOMMODATE NUMBER OF CONDUCTORS SHOWN.
6. ALL PULL BOXES IN FINISHED AREAS SHALL HAVE FACTORY APPLIED PRIME COAT OF PAINT.
7. ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL MECHANICAL, PLUMBING, AND ALL OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ANY WORK.
8. ALL PANELBOARDS SHALL HAVE LOCKING DOOR AND BE KEYED ALIKE UNLESS OTHERWISE NOTED.
9. STUB OUT (2) 1" CONDUITS FROM ALL FLUSH MOUNTED PANELBOARDS INTO ACCESSIBLE CEILING SPACE AND CAP FOR FUTURE USE.
10. ELECTRICAL CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, RECEPTACLES, SWITCHES, ETC. AND MAKE FINAL CONNECTION AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
11. ALL MOUNTING HEIGHTS SHOWN ARE TO CENTER LINE OF OUTLET OR DEVICE AND SHALL APPLY UNLESS INDICATED OTHERWISE.
12. DRAWINGS ARE DIAGRAMMATIC AND INDICATED GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND SPACE CONDITIONS AT ALL TIMES.
13. LOCATION OF LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOOR. INSTALL SWITCHES ON SIDE OPPOSITE TO DOOR HINGE. VERIFY FINAL HINGE LOCATION IN FIELD PRIOR TO ANY WORK.
14. ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR CLOCKS, SWITCHES, HORNS FIRE ALARM MANUAL PULL STATIONS, SPEAKERS, RECEPTACLES ETC.
15. WHERE ELECTRONIC MOTORS OR HEATERS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG CEILING WITHIN REACH FROM ACCESS POINT.
16. EXPOSED RACEWAYS (WHEN INDICATED ON DRAWINGS) SHALL BE RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
17. FURNISH APPROVED EXPANSION FITTINGS WHERE RACEWAY CROSSES BUILDING EXPANSION JOINTS.
18. FURNISH FISH WIRE IN EACH RACEWAY RUN OVER 10' IN LENGTH, IN WHICH PERMANENT WIRING IS NOT INSTALLED.
19. NOT MORE THAN THREE LIGHTING OR CONVENIENCE OUTLET CIRCUITS ARE PERMITTED IN ONE CONDUIT, UNLESS OTHERWISE INDICATED.
20. PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT.
21. SUPPORT PANELBOARDS, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
22. OUTLET BOXES FOR FIXTURES RECESSED IN HARD LID/GYP BOARD CEILING SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURES.
23. SEE MECHANICAL, PLUMBING DRAWINGS FOR ADDITIONAL CONNECTION REQUIREMENTS TO CONTROL PANELS AND TRANSFORMERS, SWITCHES, TIME CLOCKS, VALVES, STATS, RELAYS, ETC. INDICATED ON CONTROL WIRING DIAGRAMS. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL CONTROL WIRING REQUIREMENTS PRIOR TO ANY WORK AND PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.
24. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT SHALL BE WEATHERPROOF TYPE.
25. NO CONDUIT RUNS WILL BE ALLOWED IN CONCRETE SLAB. ALL CONDUITS WILL BE PLACED IN THE HUNG CEILING UNLESS SPECIFICALLY INDICATED TO BE UNDERGROUND.
26. LIGHTING, POWER, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK TO BACK. JUNCTION BOXES ON OPPOSITE SIDES OF FIRE-RESISTANCE RATED WALLS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 24".
27. WHERE MORE THAN (1) ONE LIGHT SWITCH OCCURS AT SAME LOCATION, SWITCHES SHALL BE MOUNTED IN A MULTIPLE GANG BOX UNDER A SINGLE COVER PLATE.
28. WHERE MOUNTING HEIGHTS OR DIMENSIONS OF DEVICE LOCATIONS ARE SHOWN, CONTRACTOR SHALL CONFIRM SUCH DIMENSIONS WITH ARCHITECTURAL DRAWINGS. WHERE CONFLICT IN DIMENSIONS OCCUR BETWEEN DRAWINGS, OR WHERE NO DIMENSIONS OR MOUNTING HEIGHTS ARE INDICATED ON EITHER SET OF DRAWINGS, CONTRACTOR SHALL VERIFY THESE ITEMS WITH ARCHITECT IN FIELD PRIOR TO ROUGH-IN.
29. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROTECTED BY MATERIALS TESTED IN ACCORDANCE WITH UL1479/ASTM E-814. INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND MAINTAIN THE FIRE RATING OF WALLS AND/OR FLOORS AFFECTED. PROVIDE HILTI CS240 FIRESTOP SEALANT, CSFM LISTING NO. 4060-1200:100, OR EQUIVALENT STATE FIRE MARSHALL APPROVED AND LISTED MATERIAL.
30. WHERE LIGHTING FIXTURES ARE FOR LAY-IN MOUNTING IN AN EXPOSED RUNNER TYPE OF CEILING, PROVIDE EACH FIXTURE WITH CLIPS (4 REQUIRED) OR EQUIVALENT MEANS TO PREVENT THE ACCIDENTAL DISENGAGEMENT OF THE FIXTURE FROM THE CEILING. WHERE FIXTURES IN SUCH CEILINGS ARE SQUARE OR RECTANGULAR IN SHAPE, PROVIDE EACH FIXTURE WITH FOUR (4) #12 AWG GALVANIZED STEEL WIRES WITHIN 3 INCHES OF EACH OF THE CORNERS.
31. THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO ASCE 7-19, CHAPTER 13.
32. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN, U.O.N. CONDUCTORS IN CONDUIT EXPOSED ON THE ROOF SHALL HAVE 90° INSULATION (THWN), #10 AND SMALLER SHALL BE SOLID TYPE, AND #8 AWG AND LARGER SHALL BE STRANDED.
33. TRANSFORMER SHALL BE DRY TYPE WITH 220°C INSULATION LEVEL SUITABLE FOR 150°C RISE ABOVE 40°C AMBIENT, DOE 10 CFR 431 COMPLIANCE, U.N.O.
34. ALL CONDUITS SHALL BE ELECTRICAL METALLIC TUBING AND RIGID STEEL CONDUIT ONLY. PROVIDE APPROPRIATE COUPLINGS, CONNECTORS AND OTHER FITTINGS AS REQUIRED.
35. EMERGENCY CIRCUITS SHALL BE ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT AND SHALL NOT ENTER SAME RACEWAY, BOXES OR CABINETS WITH OTHER WIRING EXCEPT WHERE PROVIDED IN 2022 CEC 700.9B.
36. RECESSED FIXTURE IN FIRE RATED ASSEMBLY SHALL BE APPROVED BY AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION PER 2022 CBC-SECTION 713.3. AND 713.4.
37. BOXES SHALL BE SECURED AS PER 2022 CEC ARTICLE 314.23.
38. ALL U.L. LISTED EQUIPMENT SHALL BE INSTALLED AS PER LISTING OR LABELING (i.e. MAX. FUSE SIZE MEANS FUSE PROTECTION REQUIRED), AND SHALL BE INSTALLED AS APPROVED.
39. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT AND BEAR THE LISTING STICKER IN AN ACCESSIBLE LOCATION.
40. SUBMIT TORQUE CERTIFICATE FOR ALL ELECTRICAL EQUIPMENT/CONNECTIONS PRIOR TO CERTIFICATE OF OCCUPANCY ISSUANCE.

WIRING DEVICE NOTES

1. ALL WIRING DEVICES (DIMMERS, SWITCHES, POWER RECEPTACLES AND COMMUNICATION OUTLETS) SHALL BE AN ARCHITECTURAL TYPE DEVICES EQUAL TO LEVITON COMMERCIAL SPECIFICATION GRADE DECORA DEVICES.
2. WIRING DEVICE COLOR SHALL BE WHITE OR AS SPECIFIED COLOR BY ARCHITECT, AND ALL OUTLET FACEPLATES SHALL BE MADE OF NON-MAGNETIC 302/304-STAINLESS STEEL..

ABBREVIATIONS

A	AMPERES.	F	FUSE.	RECEPT	RECEPTACLE
A/C	AIR CONDITIONING.	FA	FIRE ALARM	REQ'D	REQUIRED
AFF	ABOVE FINISHED FLOOR.	FIXT	FIXTURE.	RM	ROOM
AFG	ABOVE FINISHED GRADE.	FLUOR	FLUORESCENT.	SC	SEPARATE CIRCUIT
AIC	AMPERES INTERRUPTING CAPACITY	GC	GENERAL CONTRACTOR	SHT	SHEET
AL	ALUMINUM	GFI	GROUND FAULT INTERRUPTER.	SP	SINGLE POLE,
ARCH	ARCHITECTURAL	GND	GROUND.	ST	SINGLE THROW
ATS	AUTOMATIC TRANSFER SWITCH	HOA	HAND-OFF-AUTOMATIC.	SURF	SURFACE
BKBD	BACKBOARD.	HP	HORSEPOWER.	SW	SWITCH
C	CONDUIT WITH WIRES.	Isc	SHORT CIRCUIT CURRENT	SWGR	SWITCHGEAR
CATV	CABLE TELEVISION	IC	INTERCOM.	TC	TIME CLOCK
CB	CIRCUIT BREAKER.	J	JUNCTION.	TERM	TERMINAL
CKT	CIRCUIT.	LCL	LONG CONTINUOUS LOAD.	TEL	TELEPHONE
CLG	CEILING.	LTG	LIGHTING.	TV	TELEVISION
CO	CONDUIT ONLY	MAX	MAXIMUM.	TYP	TYPICAL
CU	COPPER	MIN	MINIMUM.	UG	UNDERGROUND
DE	DUAL ELEMENT FUSES.	MTG	MOUNTING.	UGPS	UNDERGROUND PULL SECTION UNLESS
DISC	DISCONNECT.	NF	NON-FUSED.	UON	OTHERWISE NOTED
DIST	DISTRIBUTION.	NIC	NOT IN CONTRACT.	V	VOLTS
DWG	DRAWING.	NL	NIGHT LIGHT.	VIF	VERIFY IN FIELD
EA	EACH	NTS	NOT TO SCALE.	WI	WITH
EG	EQUIPMENT/GREEN GROUND	P	POLE.	WCR	WITHSTAND AND CLOSING RATING
EC	ELECTRICAL CONTRACTOR	PA	PUBLIC ADDRESS.	WR	WEATHER RESISTANT
ELEC	ELECTRICAL	PB	PULL BOX.	WP	WEATHERPROOF
EM	EMERGENCY	PC	PHOTO CELL	XFMR	TRANSFORMER
EMT	ELECTRIC METALLIC TUBE	PH	PHASE.	4/S	JUNCTION BOX 4" SQUARE
EQUIP	EQUIPMENT	PNL	PANEL.	5/S	JUNCTION BOX 4-11/16"
EXIST	EXISTING	PWR	POWER.		

"PROVIDE"= FURNISH AND INSTALL

SCOPE OF WORK

1. TENANT IMPROVEMENTS FOR STORAGE ROOM TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
   1.1 NEW SUBPANEL TO POWER FOR NEW HVAC EQUIPMENT AND SERVICE RECEPTACLES.

SHEET INDEX

NO.	DATE:	BY:	REMARKS:
1			
2			

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF SECURE YOUTH TRACK FACILITY SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230, PCS ID: 2241

LOCATION :

16350 FILBERT STREET, SYLMAR, CA 91342

ARCHITECT :

JTC architects, inc.
65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

REGISTERED PROFESSIONAL ENGINEER — ANDREW H. IWATA — E-13884 — Exp. 08/30/24 — ELECTRICAL — STATE OF CALIFORNIA

CONSULTANT :

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dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
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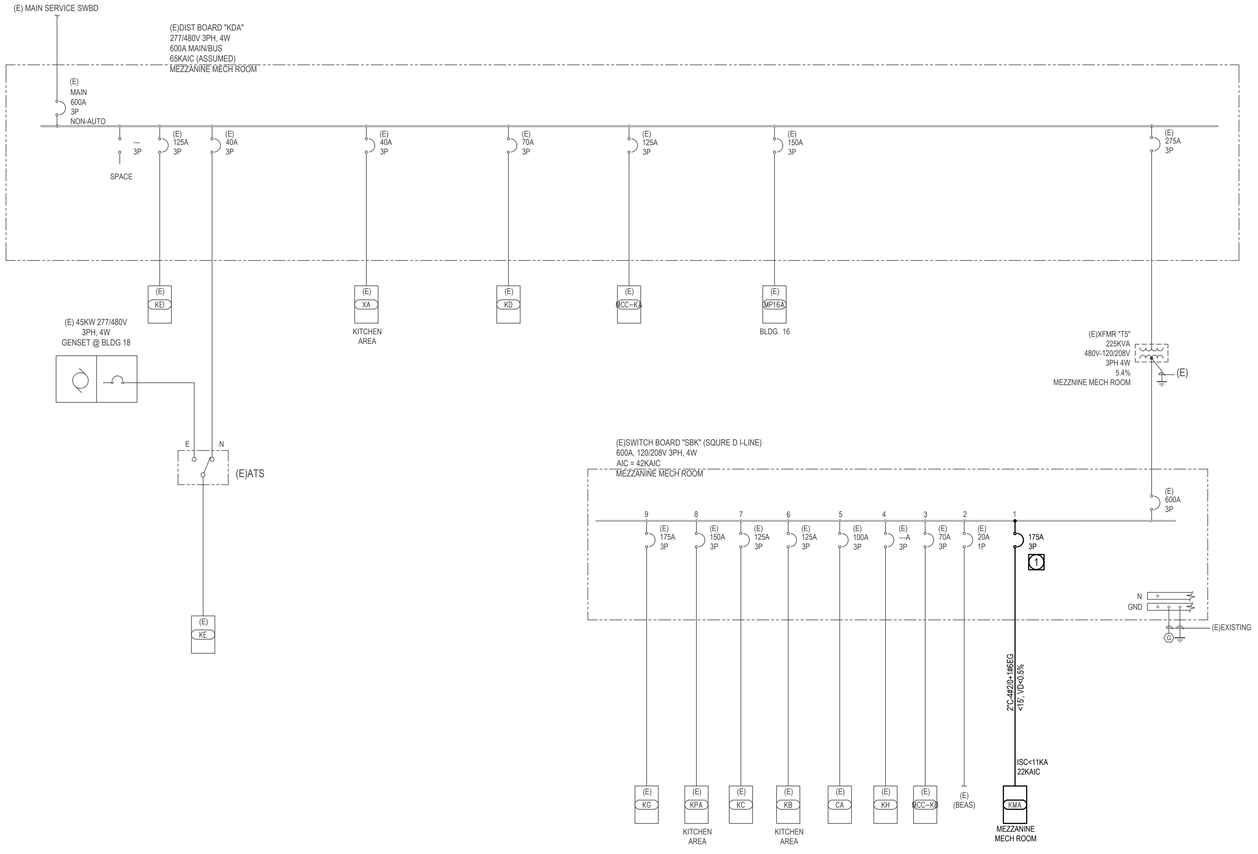
TITLE:

ELECTRICAL LEGENDS AND NOTES

SCALE:	
DATE:	02-04-25
DRAWN BY:	dHA+CALPEC
CHECKED BY:	KC/AI

SHEET NUMBER:

E-0.01



22KAIC

CK NO	DESCRIPTION	LTG	REC	MTR	HTG	MIS	CIRCUIT BREAKER	CIRCUIT KVA A	B	C	CK NO
1	CU/1 (ROOF)			1			20 / 2	1.03			1
2	SPARE						20 / 1	0.00			2
3	W/ CKT 1						------ / ---		1.03		3
4	SPARE						20 / 1		0.00		4
5	STORAGE & ROOF SERVICE REC		2				20 / 1			0.36	5
6	SPARE						20 / 1			0.00	6
7	SPARE						20 / 1	0.00			7
8	SPARE						20 / 1	0.00			8
9	FC/1 & FC/2			2			15 / 2		0.02		9
10	SPARE						20 / 1		0.00		10
11	W/ CKT 9						------ / ---			0.02	11
12	SPARE						20 / 1			0.00	12
13	SPARE						20 / 1	0.00			13
14	SPARE						20 / 1	0.00			14
15	SPARE						20 / 1		0.00		15
16	SPARE						20 / 1		0.00		16
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40	SPACE						------ / 1		0.00		40
41	SPACE						------ / 1			0.00	41
42	SPACE						------ / 1			0.00	42

PANEL :	KMA	PHASE : 3	WIRE : 4	MOUNTING :	SURFACE
VOLTAGE :	208 / 120	LOCATION :	MEZZANINE MECH RM	DISTANCE :	FT
BUS AMPERE :	200 AMP	FED FROM :	SWBD "SBK"	POLES	42
MAIN C/B :	N/A AMP	MAIN TYPE :	M.L.O.	SPARE CAP :	0 %

CONN LOAD =	2.47 KVA	TOTAL BY PHASE (KVA) =	1.03	1.06	0.38
MIN FDR =	9 AMP	MIN C/B =	19 AMP	LGST MTR = 10 AMP	SPARE =	0.00 KVA
LCL(LTG+HTG) =	0.00 KVA	25% LCL =	0.00 KVA	CONN LOAD + 25% LCL =	2.47 KVA

(*)

SHEET NOTES

1. SCREENED ITEMS DENOTES EXISTING (E) EQUIPMENT TO REMAIN IN PLACE U.O.N.
2. BOUNDARY IN DASH-DOT-DOT-DASH LINES DENOTES THE SCOPE OF WORK ITEMS UNLESS NOTED OTHERWISE
3. ALL EXISTING DEVICE/BREAKERS/FEEDERS INFORMATION DATA REQUIRED SHALL BE VERIFIED BY CONTRACTOR PRIOR TO SUBMITTALS.
4. SWITCHGEAR PRODUCTS, INCLUDING LOW-VOLTAGE DISTRIBUTION TRANSFORMER ARE BASED ON THE SCHNEIDER ELECTRIC-SQUARE D PRODUCTS, UNLESS NOTED OTHERWISE.

GENERAL NOTES

1. SUBMITTALS SHALL INCLUDE ARC-FLASH WARNING LABEL PERTAINING INCIDENT ENERGY LEVEL AND PPE REQUIREMENTS FOR NEW PANELS.
2. ALL CIRCUIT BREAKERS SHALL BE 3 POLES - MCCB TYPE CIRCUIT BREAKER, UNLESS OTHERWISE NOTED.
3. MINIMUM CIRCUIT BREAKER AMPERE INTERRUPTING CAPACITY SHALL BE 10,000 AMPS FOR 208/120V-3PH-4W BRANCH CIRCUIT PANEL BOARD, AND 14,000 AMPS FOR 480/277V-3PH-4W LIGHTING PANELBOARD IF NONE IS SHOWN.
4. PROVIDE PERMANENT BRANCH CIRCUIT NUMBER FOR EACH PANELBOARD, GLUE ON STICKER NUMBER IS NOT ACCEPTABLE.
5. PROVIDE EQUIPMENT NAME PLATE FOR EACH EQUIPMENT; NAME PLATE SHALL BE SECURED WITH METAL SHEET SCREWS, GLUE ON ATTACHMENT NOT ACCEPTABLE.
6. FEEDER LENGTHS ARE SHOWN FOR CALCULATION PURPOSES ONLY AND SHALL NOT BE USED FOR BIDDING/MATERIAL TAKE-OFF.
7. PROVIDE FULLY RATED OVERLOAD PROTECTION DEVICE/CIRCUIT BREAKER SYSTEM, SERIES RATED CIRCUIT BREAKERS WILL NOT BE PERMITTED.
8. FUSES FOR MOTOR SERVICE DISCONNECT SWITCH SHALL BE TIME DELAY AND DUAL ELEMENT TYPE.
9. NEW PANEL SHALL HAVE ALL COPPER BUSSING.

REFERENCE NOTES

1. PROVIDE MOUNTING HARDWARE AS REQUIRED AND NEW PERMANENT LABEL FOR NEW CIRCUIT BREAKER. FIELD VERIFY EXISTING BOARD FOR REQUIRED EQUIPMENT NEEDED.

NO.	DATE:	BY:	REMARKS:
1			
2			

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF SECURE YOUTH TRACK FACILITY SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230, PCS ID: 2241

LOCATION :

16350 FILBERT STREET, SYLMAR, CA 91342

ARCHITECT :

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65 NORTH FIRST AVE., SUITE 201
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TEL : 626-254-8884 FAX : 626-574-7775
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JTC PROJECT NO: **37603.0D**

SEAL :

REGISTERED PROFESSIONAL ENGINEER ANDREW H. IWATA E--13884 Exp. 08/30/24 ELECTRICAL STATE OF CALIFORNIA

CONSULTANT :

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PASADENA, CA. 91105
TEL: (626) 445-8580
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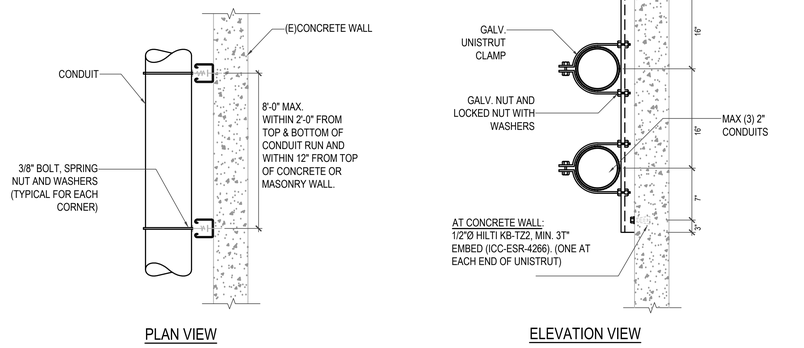
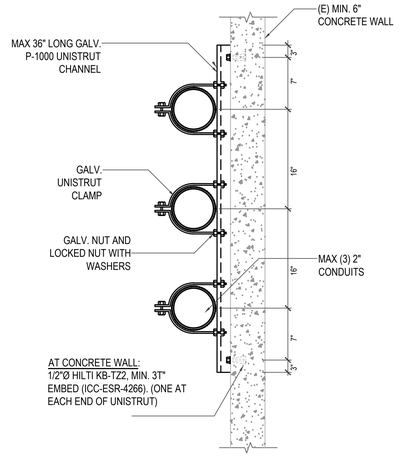
TITLE:

PARTIAL SINGLE LINE DIAGRAM & PANEL SCHEDULE

SCALE:	
DATE:	02-04-25
DRAWN BY:	dHA+CALPEC
CHECKED BY:	KC/AI
SHEET NUMBER:	**E-0.02**



PLAN VIEW

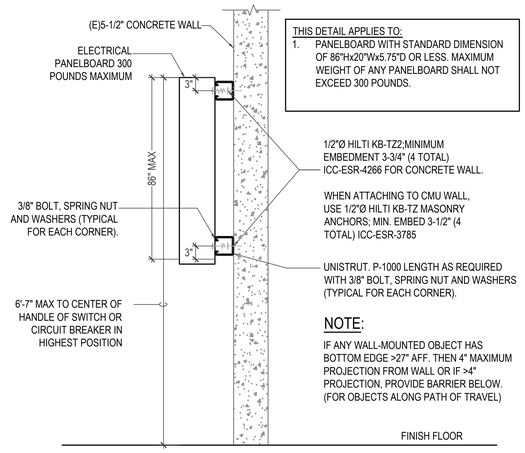


ELEVATION VIEW

NOTES:

1. LOCATE EXIST REINFORCING STEEL IN CONCRETE PRIOR TO DRILLING. DO NOT CUT OR DAMAGE (E)REINFORCING STEEL.
2. REFER TO STRUCTURAL ENGINEER FOR ACTUAL EMBEDMENT AND CONNECTIONS TO STRUCTURE.

TYPICAL CONDUIT SUPPORT DETAIL | N.T.S. | 1



THIS DETAIL APPLIES TO:

1. PANELBOARD WITH STANDARD DIMENSION OF 86"Hx20"Wx5.75"D OR LESS. MAXIMUM WEIGHT OF ANY PANELBOARD SHALL NOT EXCEED 300 POUNDS.

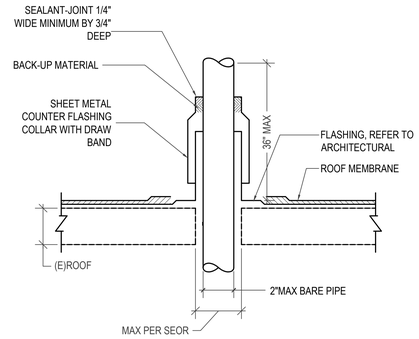
NOTE:

IF ANY WALL-MOUNTED OBJECT HAS BOTTOM EDGE >27" AFF. THEN 4" MAXIMUM PROJECTION FROM WALL OR IF >4" PROJECTION, PROVIDE BARRIER BELOW. (FOR OBJECTS ALONG PATH OF TRAVEL)

NOTES:

1. REFER TO STRUCTURAL ENGINEER FOR ACTUAL EMBEDMENT AND CONNECTIONS TO STRUCTURE.

TYPICAL PANELBOARD - CONCRETE / CMU WALL DETAIL | N.T.S. | 2



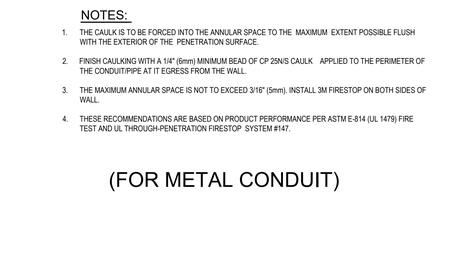
NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER PENETRATION DETAILS.

TYPICAL CONDUIT THROUGH ROOF DETAIL | N.T.S. | 3

NOT USED | N.T.S. | 4

SYSTEM NO. W-L-1001



NOTES:

1. THE CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
2. FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25N/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT IT EGRESS FROM THE WALL.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm). INSTALL 3M FIRESTOP ON BOTH SIDES OF WALL.
4. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL 1479) FIRE TEST AND UL THROUGH-PENETRATION FIRESTOP SYSTEM #147.

(FOR METAL CONDUIT)

THRU GYP. WALL BOARD PENETRATION FIRESTOP | N.T.S. | 5

NOT USED | N.T.S. | 6

NOT USED | N.T.S. | 7

NOT USED | N.T.S. | 8

NOT USED | N.T.S. | 9

NO.	DATE:	BY:	REMARKS:
1			
2			
3			
4			
5			
6			
7			
8			

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Exp. 08/30/24
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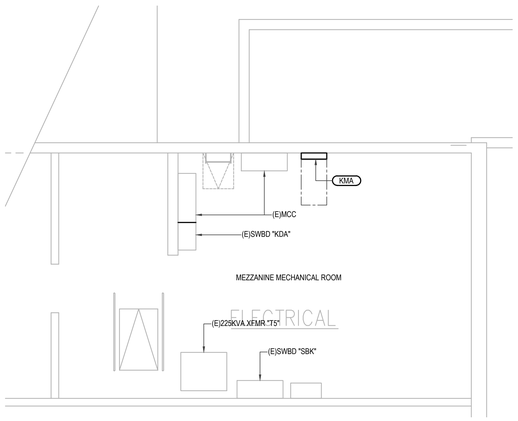
TITLE:

ELECTRICAL DETAILS

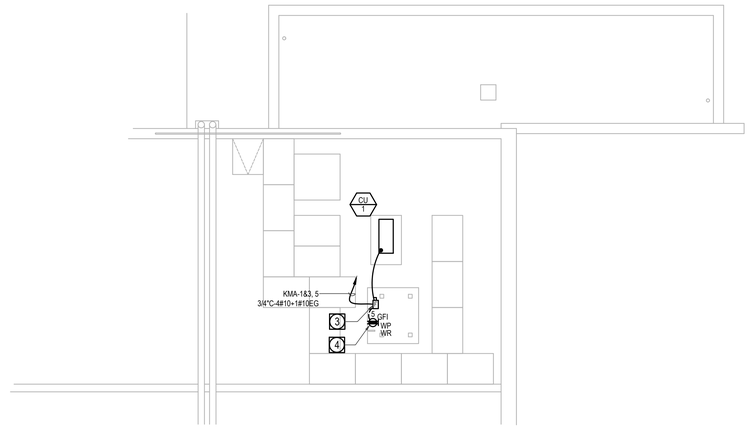
SCALE:	
DATE:	02-04-25
DRAWN BY:	dHA+CALPEC
CHECKED BY:	KC/AI

SHEET NUMBER:

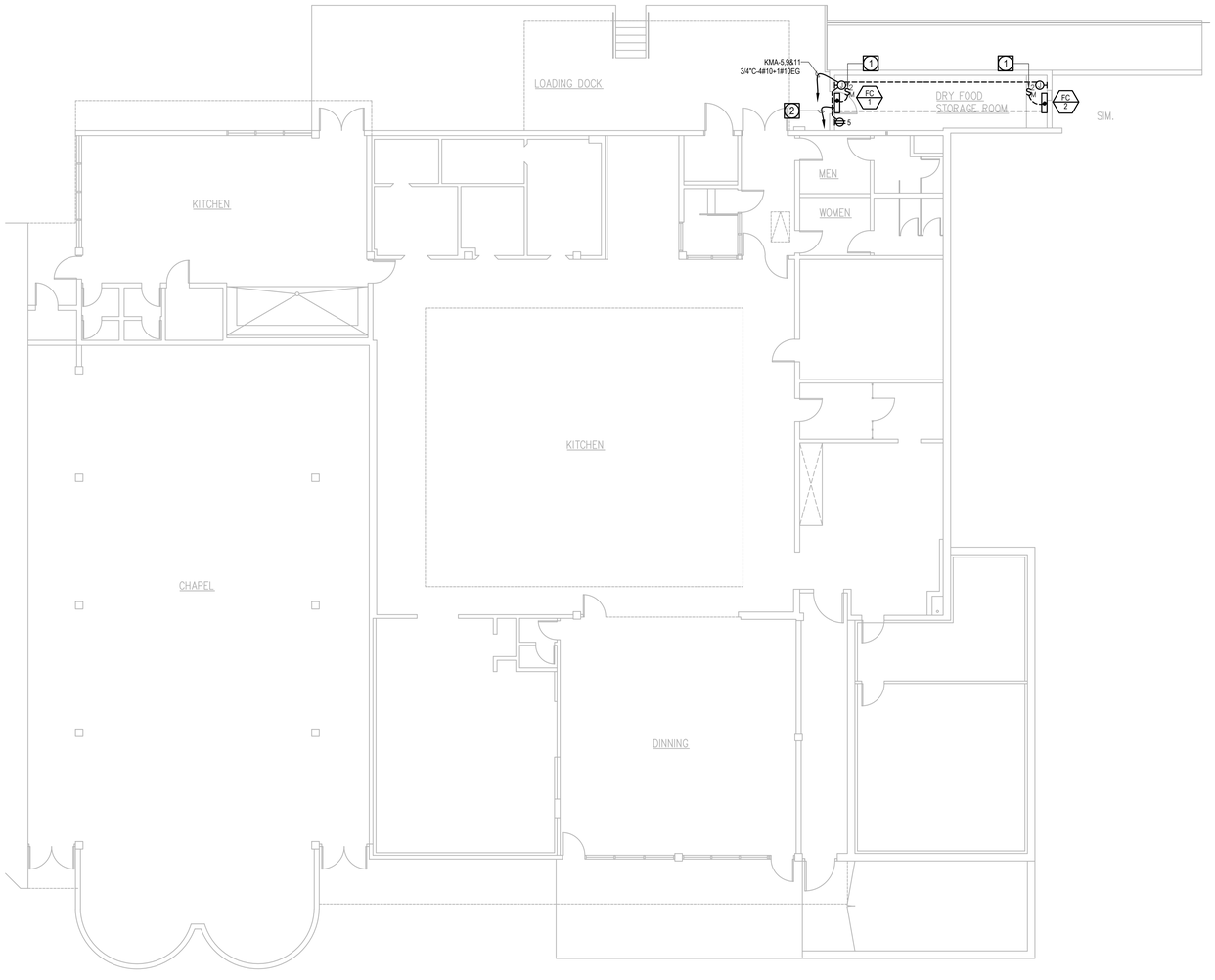
E-0.03



2 PARTIAL MEZZANINE FLOOR PLAN - NEW WORK
SCALE: 1/4"=1'-0"



3 PARTIAL ROOF PLAN - NEW WORK
SCALE: 1/4"=1'-0"



1 FLOOR PLAN-NEW WORK
SCALE: 1/8"=1'-0"

GENERAL NOTES

1. ALL EXTERIOR ELECTRICAL ENCLOSURES TO BE NEMA-3R RATED AND IN WEATHER- PROOF INSTALLATION RACEWAYS AND FITTINGS.
2. PROVIDE UL-FIRE RATED AND WP-SEAL AT ALL ROOF PENETRATIONS.
3. ALL EXTERIOR SERVICE DISCONNECTS TO BE HEAVY DUTY NEMA-3R RATED AND TO BE MOUNTED ON SEPARATE STRUCTURE, NOT ON HVAC EQUIPMENT UON. SERVICE DISCONNECT SWITCH SHALL HAVE PERMANENT NAMEPLATES WITH EQUIPMENT IDENTIFICATION AND SERVING PANEL+CIRCUIT NUMBER.
4. ALL EXTERIOR RECEPTACLES TO BE 20A-125VAC TAMPER RESISTANT, WEATHER RESISTANT TYPE, GFCI PROTECTED, AND IN EXTRA DUTY DIE-CAST METAL WEATHERPROOF OUTLET BOX HOODS (WHILE-IN-USE LOCKABLE ENCLOSURE). HVAC EQUIPMENT SERVICE RECEPTACLE AND TO BE LOCATED WITHIN 25' OF EQUIPMENT FOR SERVICE PURPOSES.
5. PROVIDE LABEL (SERVING PANEL+CIRCUIT NUMBER) FOR NEW RECEPTACLE TO BE INSTALLED.
6. ALL OUTDOOR/EXPOSED CONDUIT TO BE RIGID STEEL CONDUIT. PROVIDE INSULATED THROAT METALLIC BUSHINGS.
4. MECHANICAL CONTROL CONTRACTOR TO PROVIDE ALL LOW VOLTAGE CONTROL CONNECTION (CONDUIT AND WIRES).
5. FINAL CONNECTION TO HVAC EQUIPMENT SHALL BE IN MAX 5' FLEXIBLE METAL CONDUIT (INTERIOR) / FLEXIBLE LIQUID-TITE CONDUIT (EXTERIOR).
6. FUSES FOR MOTOR SERVICE DISCONNECT SWITCH SHALL BE TIME DELAY AND DUAL ELEMENT TYPE.

REFERENCE NOTES

1. PROVIDE MANUAL MOTOR STARTER WITH PILOT LIGHT AND HP-RATED THERMAL UNIT, EQUAL TO SQUARE D, CLASS 2510, TYPE FG2P (2 POLE, 230VAC RATED, NEMA 1 ENCLOSURE). FIELD COORDINATE WITH MECHANICAL.
2. PROVIDE 3/4"C TO CU UNIT ON THE ROOF FOR CONTROLS. FIELD COORDINATE WITH MECHANICAL.
3. FURNISH AND INSTALL 600VAC, 30AS/15AF/3P FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE AND PROVIDE CONNECTION TO CU UNIT. DISCONNECT SWITCH SHALL BE MOUNTED ON UNISTRUT SUPPORT STRUCTURE ADJACENT TO ASSOCIATE UNIT SERVED. FIELD COORDINATE FOR EXACT LOCATION.
4. NEMA 5-20R GFCI TAMPER RESISTANT, WEATHER RESISTANT TYPE SERVICE RECEPTACLE IN EXTRA-DUTY WP-ENCLOSURE. PROVIDE 4" SQUARE GALVANIZED STEEL TUBE TO SUPPORT RECEPTACLE WP-J-BOX, AS APPLICABLE.

NO.	DATE:	BY:	REMARKS:
1			
2			
3			
4			
5			
6			

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVE. 8TH FLOOR
ALHAMBRA, CA 91803

PROJECT :

BARRY J. NIDORF
SECURE YOUTH TRACK FACILITY
SECURITY AND KITCHEN UPGRADES
PW15739, PCA: P9700230, PCS ID: 2241

LOCATION :

16350 FILBERT STREET, SYLMAR, CA 91342

ARCHITECT :

JTC architects, inc.
65 NORTH FIRST AVE., SUITE 201
ARCADIA, CA 91006
TEL : 626-254-8884 FAX : 626-574-7775
E-MAIL : jtcarch@pacbell.net

JTC PROJECT NO: **37603.0D**

SEAL :

REGISTERED PROFESSIONAL ENGINEER
ANDREW H. IKUNO
E-13884
Exp. 09/30/24
ELECTRICAL
STATE OF CALIFORNIA

CONSULTANT :

23990
dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8080
FAX: (626) 445-8081

TITLE:

FLOOR PLAN-NEW WORK

SCALE:	
DATE:	02-04-25
DRAWN BY:	dHA+CALPEC
CHECKED BY:	KC/AI

SHEET NUMBER:

E-2.01