





GENERAL NOTES

1. THE PROJECT IS LIMITED TO MACHINERY SPACE PER CBC 11B-203.5 AND IS EXEMPT FROM ADA UPGRADES.
2. CONTRACTOR SHALL PROVIDE UTILITY SURVEY OF ALL TRENCH AREAS FOR (E) UTILITIES LINES BEFORE START TRENCH DIGGING.
3. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION AND SHALL TAKE STEPS TO PROTECT SUBJECT UTILITIES. PERSONNEL AND PROPERTY AGAINST DAMAGE OR INJURY.
4. PROTECT ADJACENT LANDSCAPE AREAS AROUND TRENCH PATH DURING CONSTRUCTION.
5. SAW CUT (E) SIDEWALK AND CONCRETE PAVED AREAS TO THE ADJACENT EXPANSION JOINT. REMOVED ENTIRE PAVED AREA BETWEEN EXPANSION JOINTS FOR TRENCHING. PATCH AND REPLACED PAVED AREAS AND SIDEWALKS PER DETAILS ON SHEET A5-00.
6. PROTECT ADJACENT SIDEWALKS AND PAVED AREAS FROM DAMAGE AROUND TRENCH AREAS DURING CONSTRUCTION.
7. DO NOT CUT, DRILL, NOTCH, CORE, ALTER, OR DAMAGE STRUCTURAL ELEMENTS OR FRAMING UNLESS SPECIFICALLY DETAILED ON APPROVED PLANS OR ACCEPTED BY THE SEORACOR.
8. ALL REMOVED FIXTURES, EQUIPMENT, ACCESSORIES AND DOORS SHALL BE SALVAGED TO THE OWNER. ITEMS NOT WANTED BY OWNER SHALL BE DISCARDED OFF-SITE BY THE CONTRACTOR.
9. TEMPORARY STORAGE OF EQUIPMENT SHALL BE PROTECTED FROM VANDALISM. STORE IN A LOCATION THAT IS ACCEPTABLE TO THE OWNER.
10. PROTECT ALL ADJACENT AREAS FROM DUST, FUMES, SMOKE, WATER, WEATHER AND NOISE.
11. PROTECT ALL ADJACENT BUILDING COMPONENTS - FINISHES AND EQUIPMENT. SHOULD DAMAGE OCCUR, REPAIR, PATCH OR REPLACE AT NO ADDITIONAL COST TO THE OWNER.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUS CLEAN UP OF THE SITE OF ALL DEBRIS WHETHER CREATED BY THE CONTRACTOR'S WORK OR THE FAILURE OF THE CONTRACTOR'S SUB-CONTRACTORS TO CLEAN UP AFTER THEIR WORK.
13. ALL ABANDONED PLUMBING LINES, ELECTRICAL CONDUIT OR BOXES, A/C DUCTS OR DIFFUSERS AND TELEPHONE CABLES WILL BE REMOVED BACK TO CLOSEST FEEDER POINT.
14. REPAIR LANDSCAPE AREAS AND IRRIGATION AT TRENCHES LOCATIONS TO MATCH EXISTING PLANTS AND IRRIGATION. UPON ACCEPTANCE, CONTRACTOR SHALL MAINTAIN THE SEED/SOD OR PLANTS FOR A LIMITED DURATION OF 90 DAYS.
15. ALL CONDUITS AND BOXES SHOWN ON THIS DRAWING ARE UNDERGROUND SYSTEMS UNLESS OTHERWISE NOTED.
16. SEE SHEET A5-00 FOR TRENCH AND EXTERIOR DETAILS.
17. SEE SHEET A5-00 FOR TYPICAL CONDUIT TRANSITION FROM UNDERGROUND TO ABOVE GROUND.
18. EQUIPMENT AND DEVICE LOCATIONS, CONDUIT ROUTING AND AREA OF SURFACE CONDITIONS ARE SHOWN APPROXIMATELY. FIELD VERIFY EXACT CONDITIONS AND MAKE ADJUSTMENT ACCORDINGLY.
19. CONTRACTOR SHALL ARRANGE FOR, IN ADVANCE WITH THE OWNER, CONSTRUCTION STORAGE AND STAGING AREAS NECESSARY TO COMPLETE THE WORK. ALL STORAGE AND STAGING AREAS SHALL BE RETURNED TO THE OWNER IN LIKE ORIGINAL CONDITION.
20. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS TO PROTECT FINISHED PARTS OF THE MATERIALS AND EQUIPMENT AGAINST DAMAGE FROM ANY CAUSE DURING THE PROGRESS OF THE WORK AND UNTIL ACCEPTANCE BY THE OWNER.
21. CONTRACTOR SHALL MAKE EVERY EFFORT TO MAINTAIN A CLEAN WORK PLACE. DUST POLLUTION AND PREVENTION OF DUST CONTAMINATION OF NON-WORK SPACES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR ON AN ONGOING DAILY BASIS. THE CONTRACTOR SHALL DEVELOP A SCHEDULE OF CONSTRUCTION WHICH INCLUDES THE NECESSARY ACTIONS TO MAINTAIN THE OPERATION OF THE TENANTS DURING THE CONSTRUCTION PROCESS.
22. CONTRACTOR SHALL MAKE NECESSARY CONNECTIONS TO EXISTING UTILITIES FOR TEMPORARY POWER AND WATER SUPPLIES, AND SHALL COORDINATE SUCH USE WITH THE OWNER PRIOR TO CONNECTION.
23. CONSTRUCTION HOURS SHALL BE DURING NORMAL BUSINESS HOURS.
24. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH APPLICABLE PARKING REGULATIONS. ONSITE PARKING IS LIMITED. RADIUS MAP, STAGING AND SAFETY PLANS ARE REQUIRED TO BE SUBMITTED PRIOR TO PRE-CONSTRUCTION MEETING.
25. DURING CONSTRUCTION, ANCHOR ALL LOOSE TEMPORARY PLATES OVER TRENCHES TO PREVENT ACCESS TO TRENCHES AND USE AS A WEAPON IF LIFTED.
26. PROVIDE 1 DEMONSTRATION OF 10 OWNER-SELECTED CAMERA VIEWS FOR REVIEW & APPROVAL.
27. CONTRACTOR TO PROVIDE 48-HOUR NOTICE WITH CONSTRUCTION ACTIVITY NOTICE (CAN) TO THE FACILITY FOR ACCESS TO OCCUPIED AREAS.
28. CONTRACTOR MUST BLOCK OUT PER PREA AND HIPAA REQUIREMENTS. THIS SHALL BE COORDINATED WITH PROBATION DEPARTMENT.

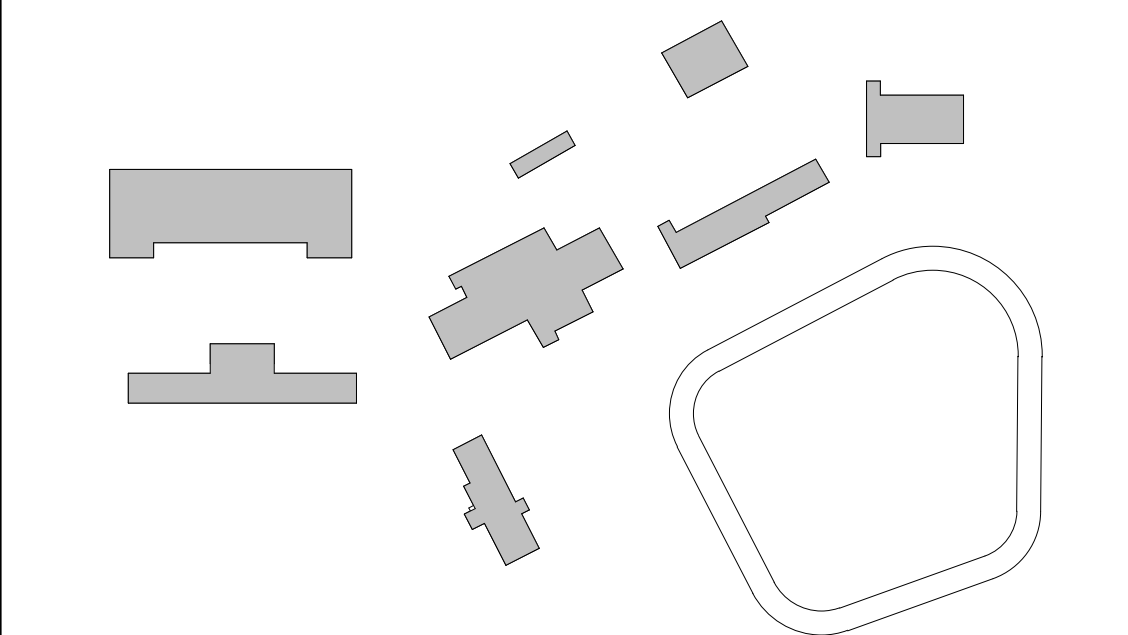
SHEET KEYNOTES

- 1 (E) PUBLIC WAY
- 2 (E) ACCESSIBLE ROUTE FROM THE PUBLIC WAY TO THE BUILDING ENTRANCE (COMPLIES WITH 11B-206)
- 3 (E) "UNAUTHORIZED VEHICLES" WARNING SIGN AT PARKING AREA ENTRANCE (COMPLIES WITH CBC 11B-502.8)
- 4 (E) ACCESSIBLE PARKING (COMPLIES WITH CBC 11B-502)
- 5 (E) ACCESSIBLE PUBLIC ENTRANCE (COMPLIES WITH 11B-404)
- 6 TRENCH THROUGH EXISTING ASPHALT FOR (N) CONDUIT TRENCH, REPAIR ASPHALT ON TRENCH AREA. SEE 08A5-00 FOR DETAILS
- 7 TRENCH THROUGH EXISTING LANDSCAPING. SEE TRENCH DETAILS ON 08A5-00
- 9 SAW CUT THROUGH EXISTING CONCRETE WALK. SEE TRENCH DETAILS ON 07A5-00
- 10 CONTRACTOR TO PROVIDE A SIGN AT MAIN ENTRANCE TO INFORM VISITORS THAT THEY ARE BEING RECORDED IN THE FACILITY
- 11 CONTRACTOR STAGING AREA. CONTRACTOR SHALL FENCE OFF AREA. ALL STORAGE, PORTER-POTTY, OFFICE TRAILER IS REQUIRED TO BE ACCESS CONTROLLED AND LOCKED WHEN NOT IN USE
- 12 (N) LOCKABLE GROUND BOX. SEE TELECOM DRAWINGS FOR ADDITIONAL INFORMATION
- 13 (E) FIRE HYDRANT TO REMAIN, PROTECT IN PLACE
- 14 (N) CAMERA(S) MOUNTED ON (N) OR (E) POST. SEE SECURITY DRAWINGS AND 17A5-00 FOR ADDITIONAL INFORMATION
- 15 (E) CHAIN LINK FENCE TO REMAIN, PROTECT IN PLACE
- 16 MOUNT EXPOSED CONDUIT ON EXTERIOR SIDE OF FENCE

LEGEND

- > ACCESSIBLE PATH OF TRAVEL
- (E) CHAIN LINK FENCE
- ☒ (E) INTERNATIONAL SYMBOL OF ACCESSIBILITY PAINTED ON THE PAVED SURFACE OF EACH ACCESSIBLE PARKING STALL
- 📷 (N) SECURITY CAMERA. SEE SECURITY DRAWINGS FOR ADDITIONAL INFORMATION

KEYPLAN





555 W. Fifth Street Suite 2950 | Los Angeles, CA 90013 USA  
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www.huit-zollars.com

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CONSULTANT

ARCHITECT SEAL

CONSULTANT SEAL

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NO.	ISSUED	DATE
PLAN CHECK		06/03/2024
BID SET		11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME  
CAMP AFFLERBAUGH CCTV SYSTEM

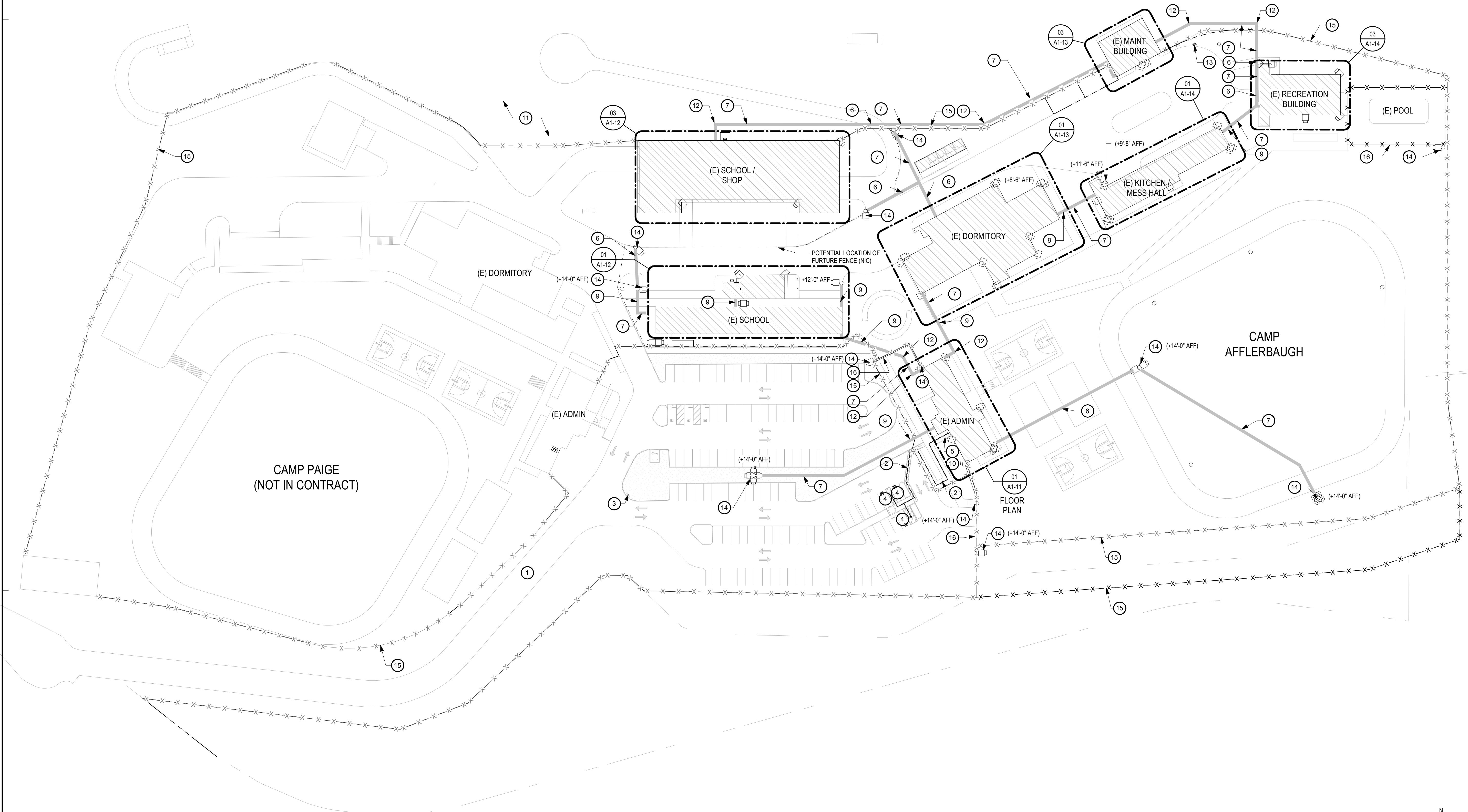
FACILITY NAME  
CAMP AFFLERBAUGH

PROJECT ADDRESS  
6631 STEPHENS RANCH ROAD  
LA VERNE, CA 91750

SHEET TITLE  
PLAN - SITE

HZ PROJ. NO.	R311908.04	LA DPW SPEC NO.	7701
		PERMIT NO.	

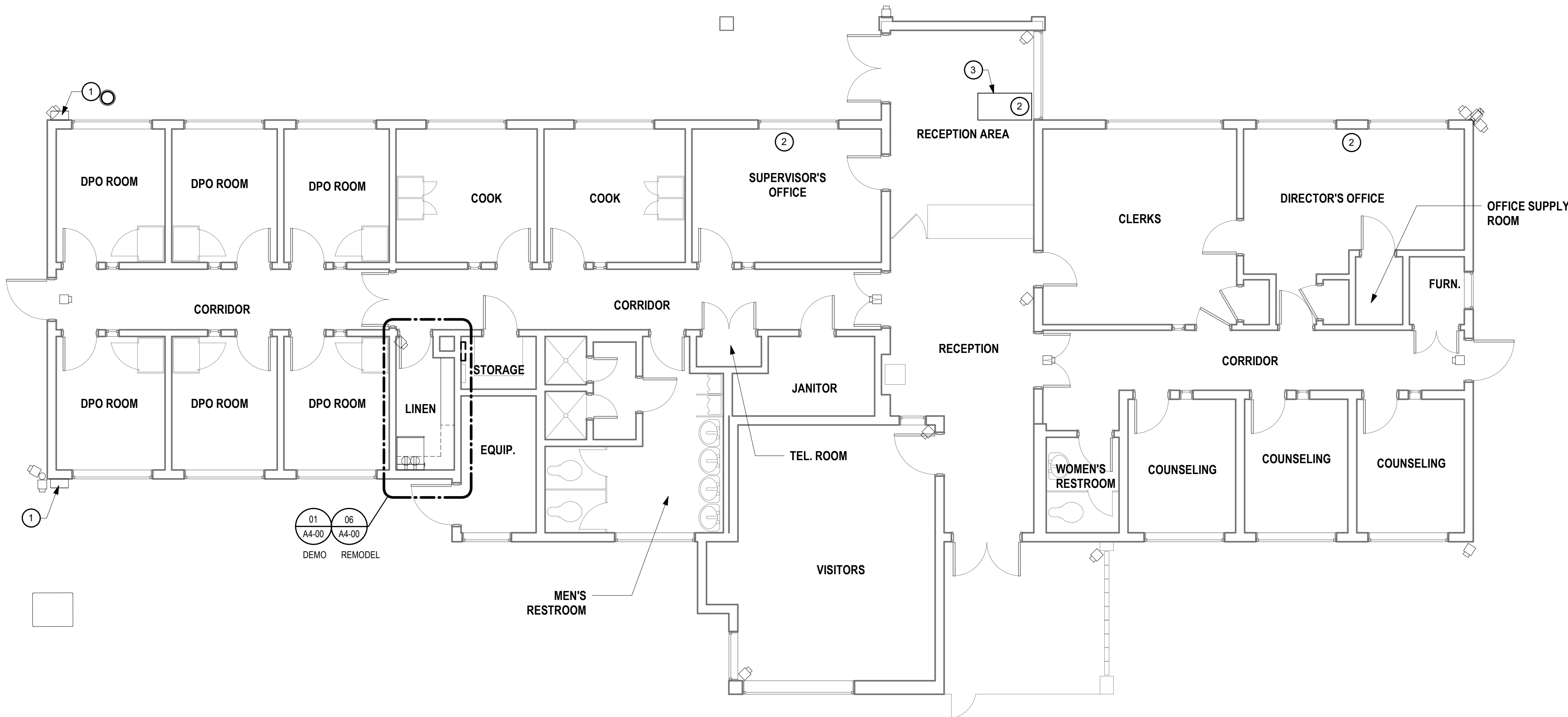
A1-00



OVERALL SITE PLAN



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11/11/2024 1:28:04 PM



ADMIN BUILDING - OVERALL FLOOR PLAN

3/16" = 1'-0"

01

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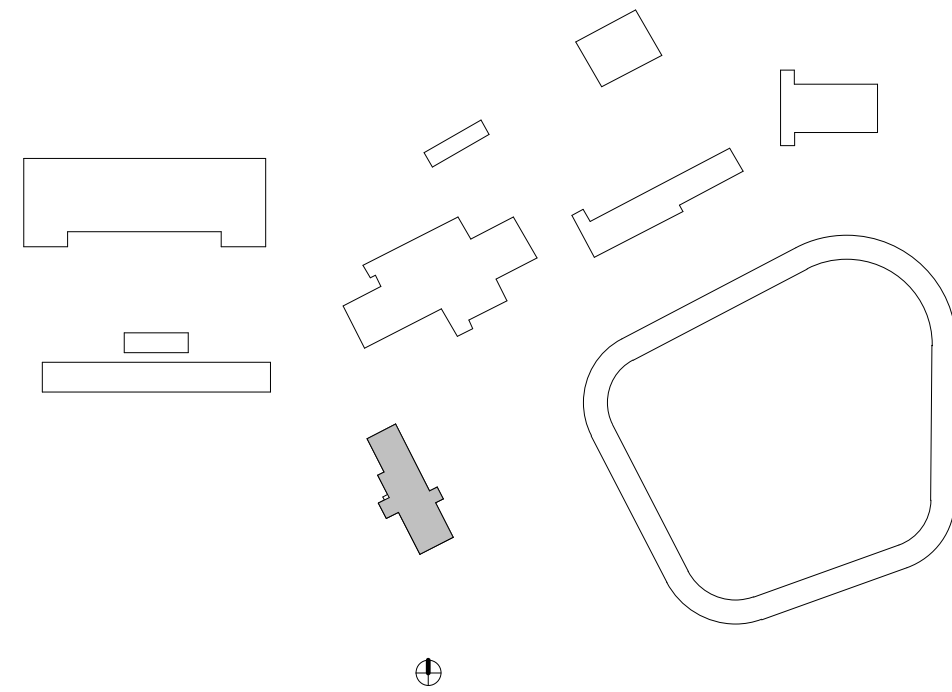
SHEET KEYNOTES

- 1 (N) WALL MOUNTED WEATHER PROOF ENCLOSURE. SEE 11 & 12/A5-00 AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION.
- 2 (N) WORKSTATION. SEE E1-01, SE1-03 & SE9-00 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF WORKSTATION WITH LAC PW, PROBATION & FACILITY.
- 3 (N) OWNER-PROVIDED DESK.

LEGEND

- (E) PARTITION WALL
- (N) PARTITION WALL
- DEMO
- (N) WIRELESS ACCESS POINT. SEE TELECOM DRAWINGS FOR ADDITIONAL INFORMATION.
- (N) SECURITY CAMERA. SEE SECURITY DRAWINGS FOR ADDITIONAL INFORMATION.
- (M) MICROPHONE. SEE SECURITY DRAWINGS FOR ADDITIONAL INFORMATION.
- (N) AUDIO INTERFACE ADAPTER
- (M) POWER OVER ETHERNET SWITCH
- (N) NETWORK VIDEO RECORDER

KEYPLAN



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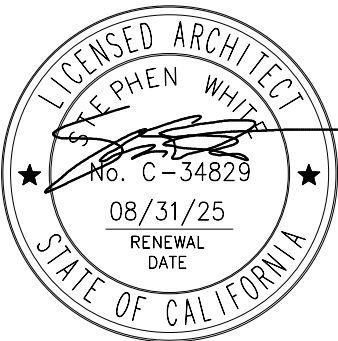
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SYSTEM

FACILITY NAME

CAMP AFFLERBAUGH

PROJECT ADDRESS

6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

SHEET TITLE

PLAN - ADMIN BUILDING - OVERALL  
FLOOR PLAN

HZ PROJ. NO.

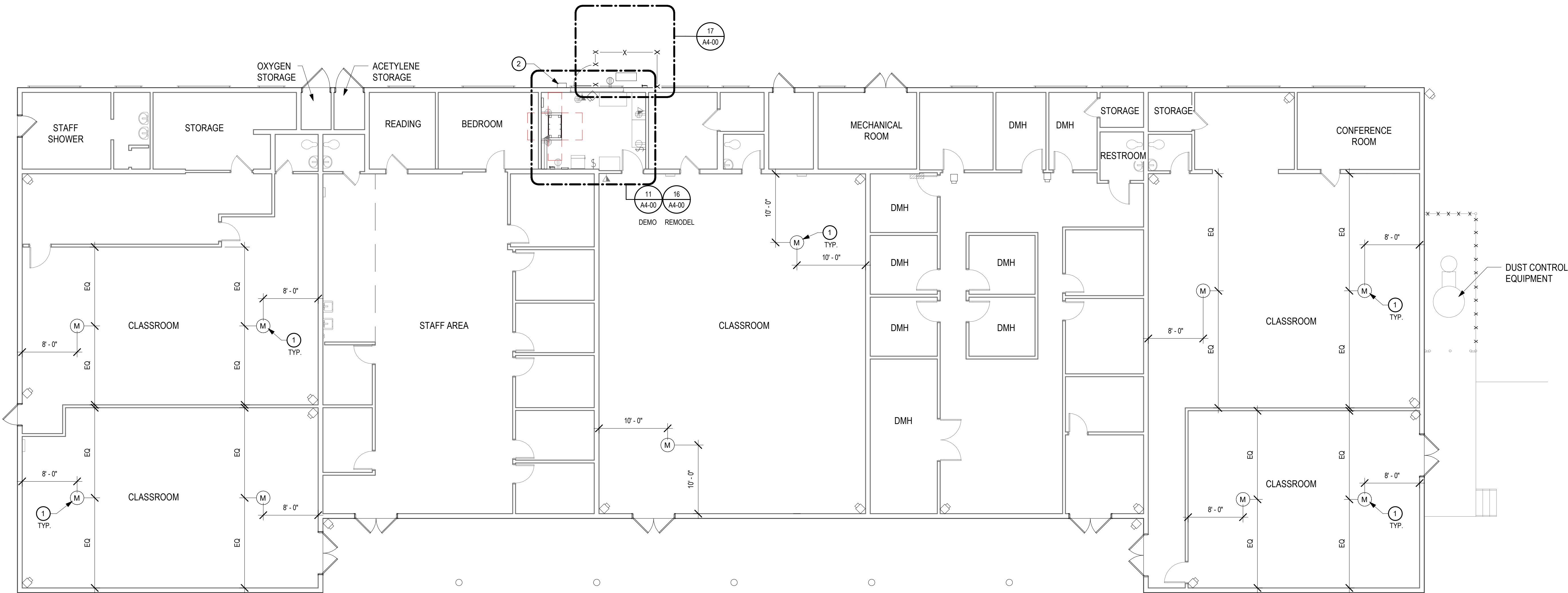
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LA DPW SPEC NO.

7701

PERMIT NO.

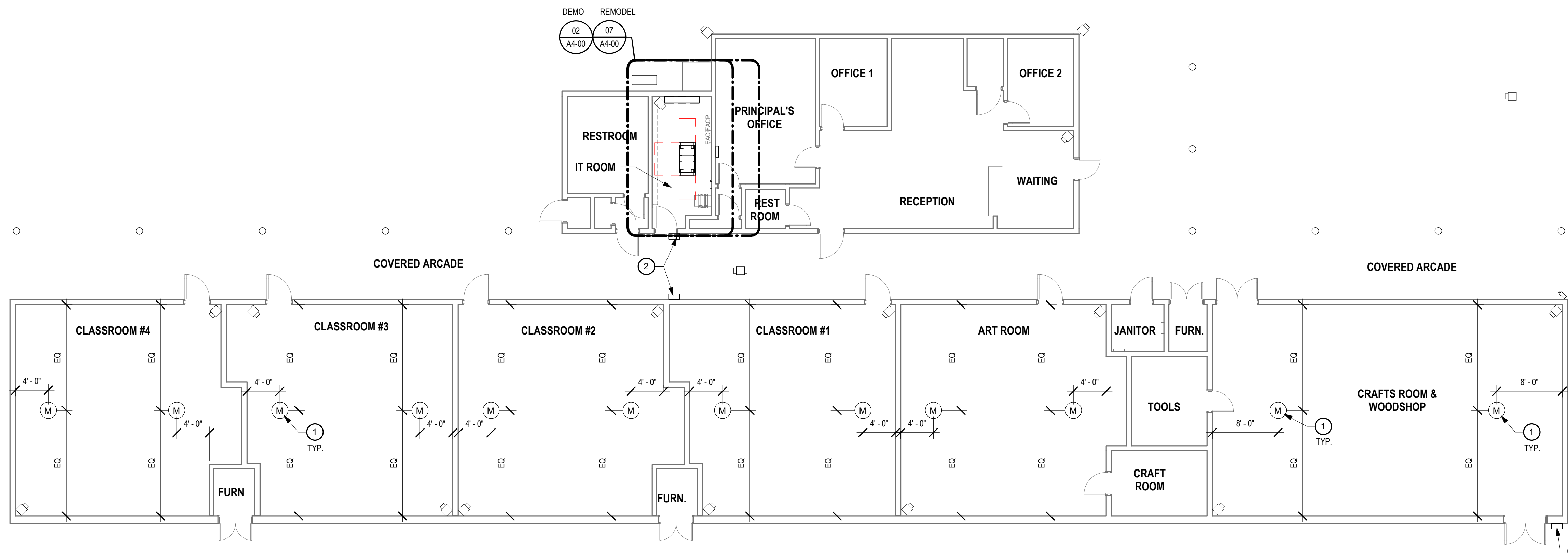
A1-11



NORTH SCHOOL / SHOP BUILDING - OVERALL FLOOR PLAN

1/8" = 1'-0"

03



SOUTH SCHOOL BUILDING - OVERALL FLOOR PLAN

1/8" = 1'-0"

01

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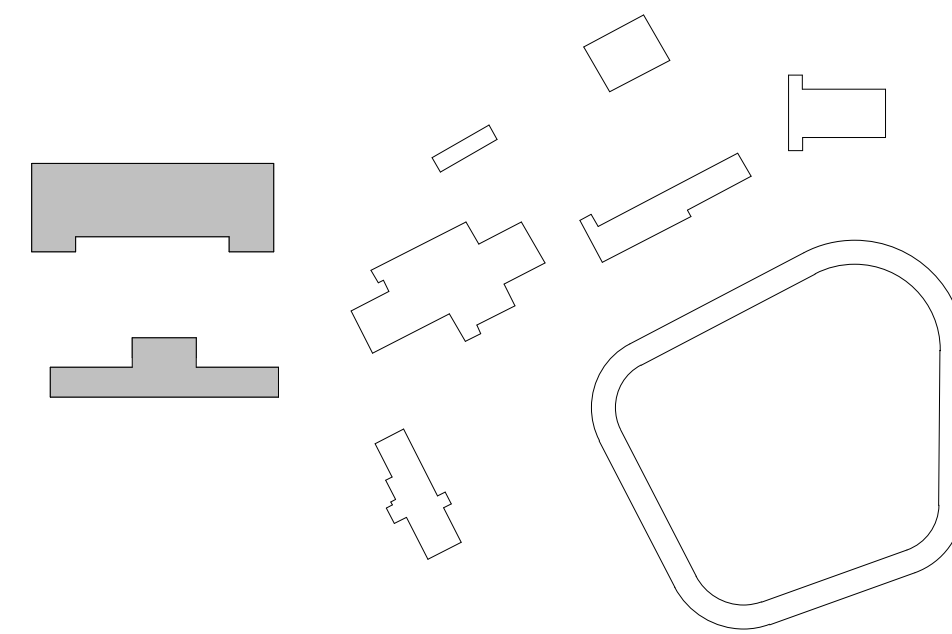
SHEET KEYNOTES

- 1 (N) MICROPHONE
- 2 (N) WALL MOUNTED WEATHER PROOF ENCLOSURE. SEE 11 & 12A5-00 AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION

LEGEND

- (E) PARTITION WALL
- (N) PARTITION WALL
- DEMO
- (N) SECURITY CAMERA. SEE SECURITY DRAWINGS FOR ADDITIONAL INFORMATION
- (M) (N) MICROPHONE. SEE SECURITY DRAWINGS FOR ADDITIONAL INFORMATION
- (N) AUDIO INTERFACE ADAPTER
- (N) POWER OVER ETHERNET SWITCH
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KEYPLAN



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FACILITY NAME

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SHEET TITLE

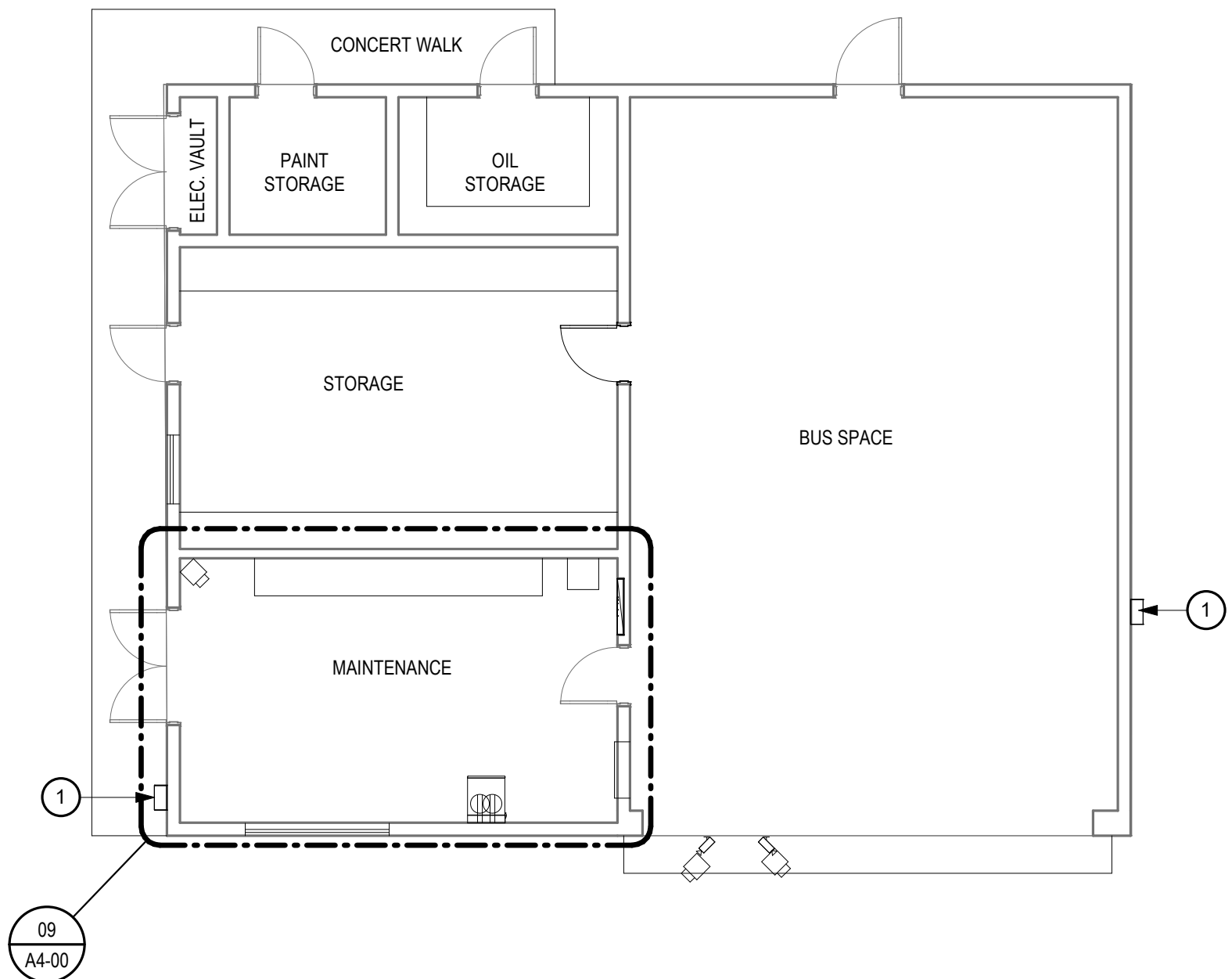
PLAN - SOUTH SCHOOL BUILDING AND NORTH SCHOOL/SHOP BUILDING - OVERALL FLOOR PLANS

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701

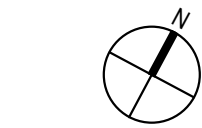
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A1-12



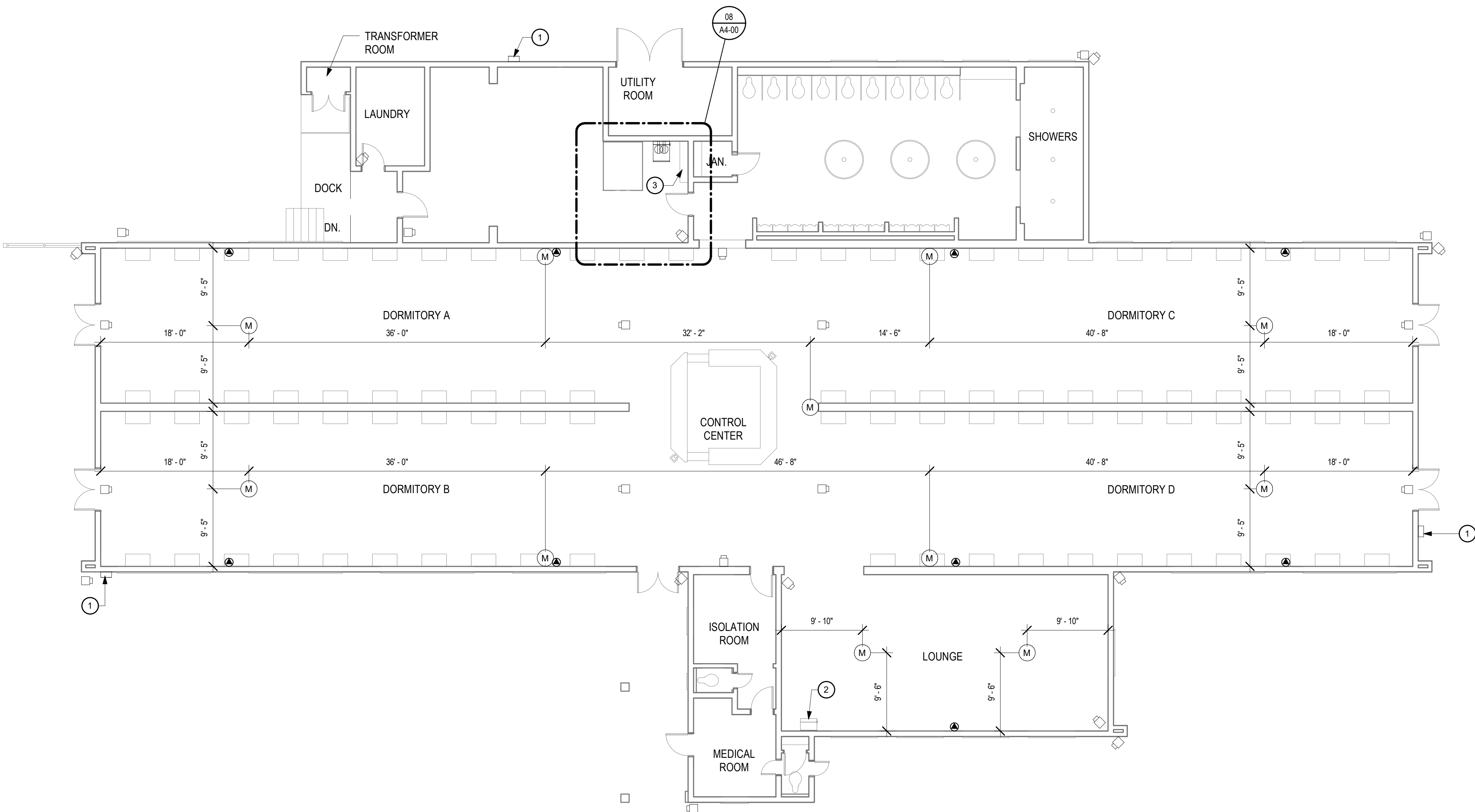


MAINTENANCE BUILDING - OVERALL FLOOR PLAN



1/8" = 1'-0"

03



DORMITORY BUILDING - OVERALL FLOOR PLAN



1/8" = 1'-0"

01

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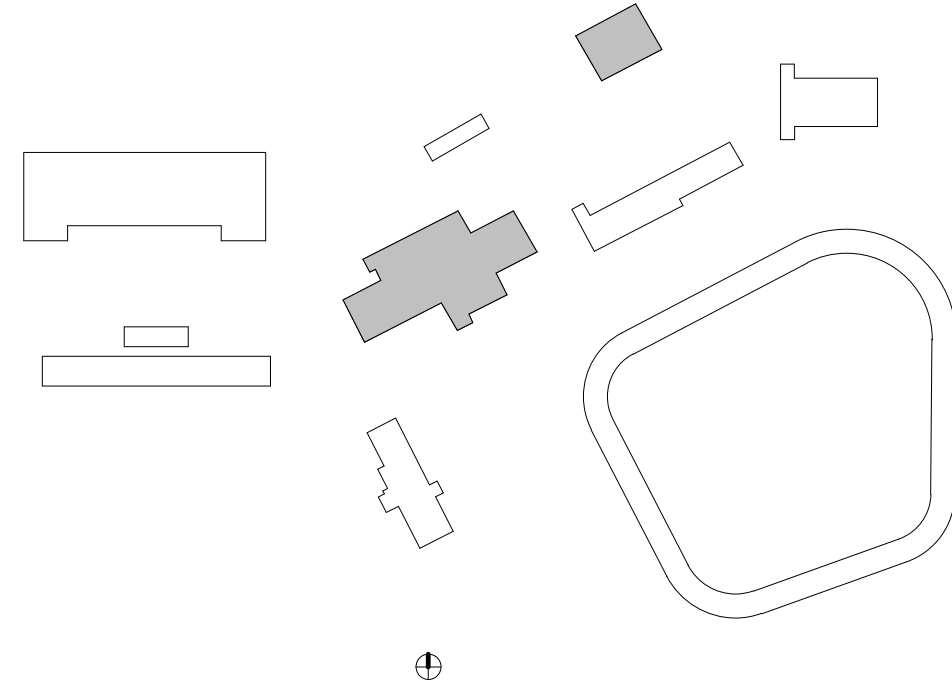
SHEET KEYNOTES

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- 2 (E) D/RACK TO REMAIN, PROTECT IN PLACE
- 3 DEMO (E) SHELVING, PATCH AND PAINT WALL TO MATCH ADJACENT WALL COLOR

LEGEND

- (E) PARTITION WALL
- (N) PARTITION WALL
- DEMO
- (N) WIRELESS ACCESS POINT. SEE TELECOM DRAWINGS FOR ADDITIONAL INFORMATION
- (N) SECURITY CAMERA. SEE SECURITY DRAWINGS FOR ADDITIONAL INFORMATION
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- (N) POWER OVER ETHERNET SWITCH
- (N) NETWORK VIDEO RECORDER

KEYPLAN



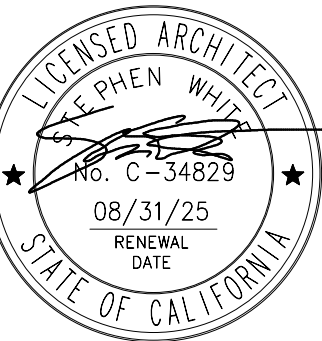
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PROJECT ADDRESS

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LA VERNE, CA 91750

SHEET TITLE

PLAN - DORMITORY BUILDING AND MAINTENANCE BUILDING - OVERALL FLOOR PLANS

HZ PROJ. NO.

R311608.04

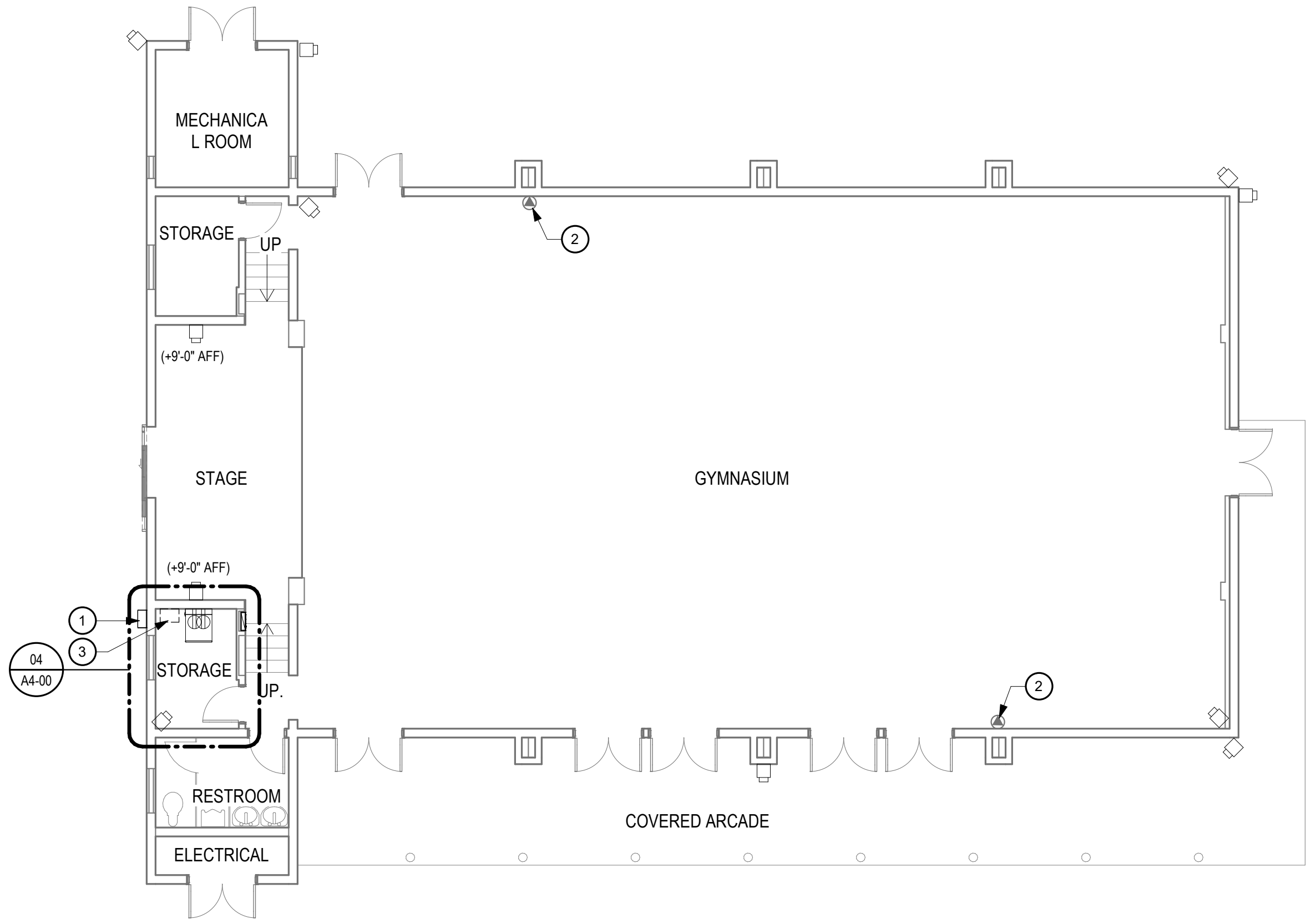
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7701

PERMIT NO.

A1-13

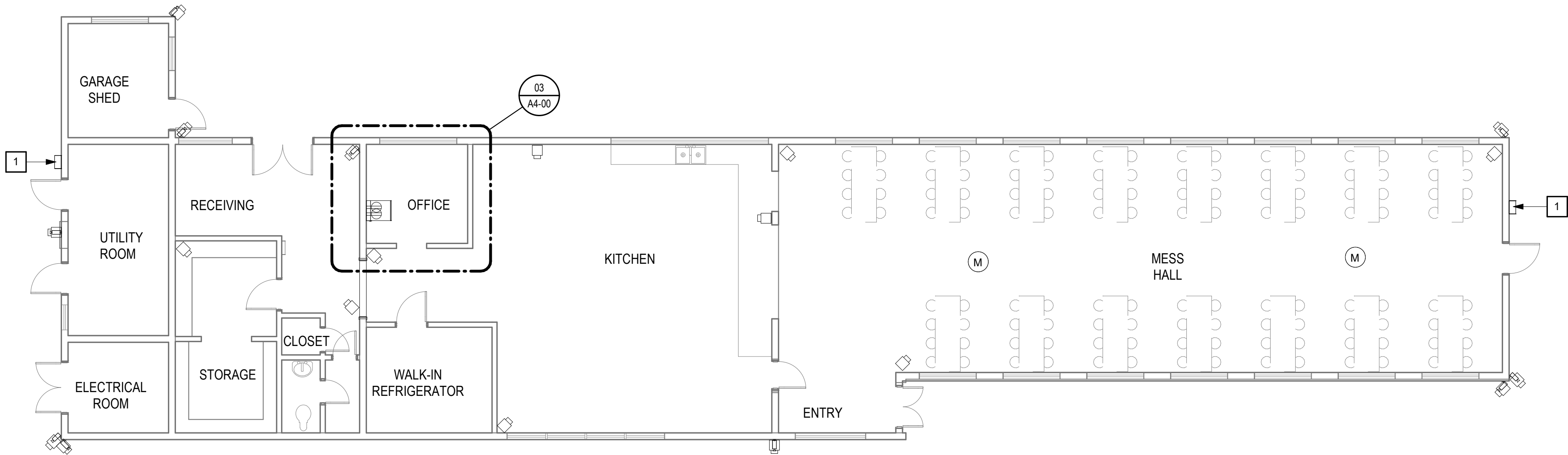




RECREATION BUILDING - OVERALL FLOOR PLAN

1/8" = 1'-0"

03



KITCHEN / MESSHALL BUILDING - OVERALL FLOOR PLAN

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01

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- CONTRACTOR SHALL MAKE EVERY EFFORT TO MAINTAIN A CLEAN WORK PLACE. DUST POLLUTION AND PREVENTION OF DUST CONTAMINATION OF NON-WORK SPACES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR ON AN ON GOING, DAILY BASIS. THE CONTRACTOR SHALL DEVELOP A SCHEDULE OF CONSTRUCTION WHICH INCLUDES THE NECESSARY ACTIONS TO MAINTAIN THE OPERATION OF THE TENANTS DURING THE CONSTRUCTION PROCESS.
- CONTRACTOR SHALL MAKE NECESSARY CONNECTIONS TO EXISTING UTILITIES FOR TEMPORARY POWER AND WATER SUPPLIES, AND SHALL COORDINATE SUCH USE WITH THE OWNER PRIOR TO CONNECTION.
- CONSTRUCTION HOURS SHALL BE DURING NORMAL BUSINESS HOURS.
- CONTRACTOR IS RESPONSIBLE TO COMPLY WITH APPLICABLE PARKING REGULATIONS. ONSITE PARKING IS LIMITED. RADIUS MAP, STAGING AND SAFETY PLANS ARE REQUIRED TO BE SUBMITTED PRIOR TO PRE-CONSTRUCTION MEETING.
- DURING CONSTRUCTION, ANCHOR ALL LOOSE TEMPORARY PLATES OVER TRENCHES TO PREVENT ACCESS TO TRENCHES AND USE AS A WEAPON IF LIFTED.

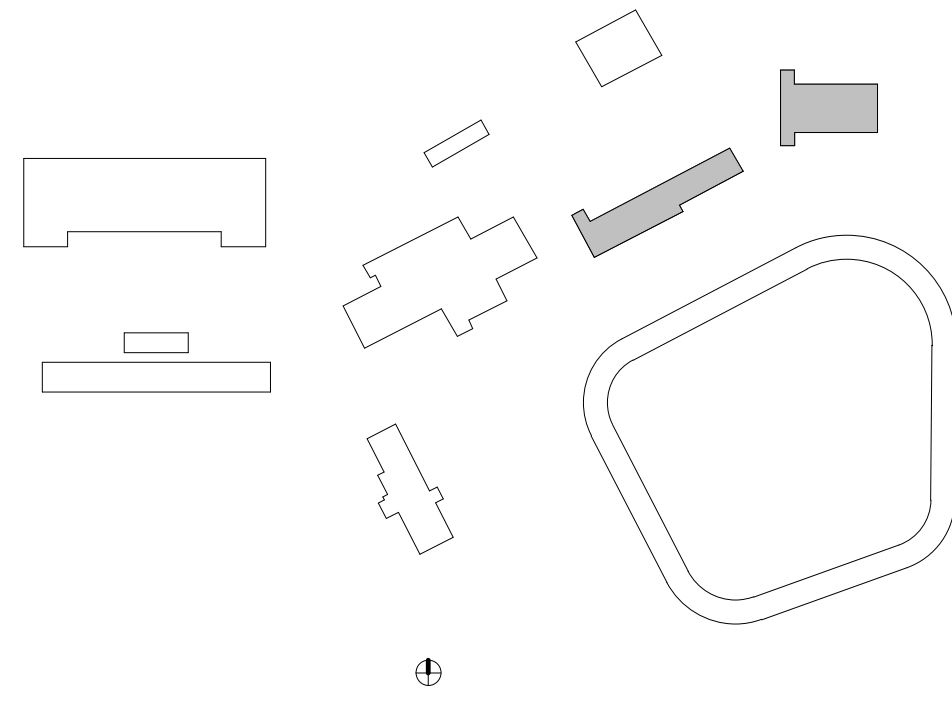
SHEET KEYNOTES

- (N) WALL MOUNTED WEATHER PROOF ENCLOSURE. SEE 11 & 12/A5-00 AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION.
- (E) WIRELESS ACCESS POINT. SEE TELECOM DRAWINGS FOR ADDITIONAL INFORMATION.
- DEMO (E) SHELVING, PATCH AND PAINT WALL TO MATCH ADJACENT WALL COLOR.

LEGEND

- (E) PARTITION WALL
- (N) PARTITION WALL
- DEMO
- (N) WIRELESS ACCESS POINT. SEE TELECOM DRAWINGS FOR ADDITIONAL INFORMATION
- (N) SECURITY CAMERA. SEE SECURITY DRAWINGS FOR ADDITIONAL INFORMATION
- (N) MICROPHONE. SEE SECURITY DRAWINGS FOR ADDITIONAL INFORMATION
- (N) AUDIO INTERFACE ADAPTER
- (N) POWER OVER ETHERNET SWITCH
- (N) NETWORK VIDEO RECORDER

KEYPLAN



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900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100  
FAX: 626.979.5320

CONSULTANT

ARCHITECT SEAL



CONSULTANT SEAL

**BID SET**

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK	06/03/2024
2	BID SET	11/11/2024

AGENCY APPLICATION NUMBER

UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME

CAMP AFFLERBAUGH CCTV  
SYSTEM

FACILITY NAME

CAMP AFFLERBAUGH

PROJECT ADDRESS

6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

SHEET TITLE

PLAN - KITCHEN AND GYMNASIUM  
BUILDINGS - OVERALL FLOOR  
PLANS

HZ PROJ. NO.

R311608.04

LA DPW SPEC NO.

7701

PERMIT NO.

**A1-14**



GENERAL NOTES

1. THE PROJECT IS LIMITED TO MACHINERY SPACE PER CBC 11B-203.5 AND IS EXEMPT FROM ADA UPGRADES.
2. REPAIR LANDSCAPE AREAS AND IRRIGATION AT TRENCHES LOCATIONS TO MATCH EXISTING PLANTS AND IRRIGATION. UPON ACCEPTANCE, CONTRACTOR SHALL MAINTAIN THE SEED/SOIL OR PLANTS FOR A LIMITED DURATION OF 90 DAYS.
3. ALL CONDUITS AND BOXES SHOWN ON DRAWINGS ARE UNDERGROUND SYSTEMS UNLESS OTHERWISE NOTED.
4. SEE SHEET A5-00 FOR TRENCH AND EXTERIOR DETAILS.
5. SEE SHEET A5-00 FOR TYPICAL CONDUIT TRANSITION FROM UNDERGROUND TO ABOVE GROUND.
6. EQUIPMENT AND DEVICE LOCATIONS, CONDUIT ROUTING AND AREA OF SURFACE CONDITIONS ARE SHOWN APPROXIMATELY. FIELD VERIFY EXACT CONDITIONS AND MAKE ADJUSTMENT ACCORDINGLY.
7. CONTRACTOR SHALL ARRANGE FOR, IN ADVANCE WITH THE OWNER, CONSTRUCTION STORAGE AND STAGING AREAS NECESSARY TO COMPLETE THE WORK. ALL STORAGE AND STAGING AREAS SHALL BE RETURNED TO THE OWNER IN LIKE ORIGINAL CONDITION.
8. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS TO PROTECT FINISHED PARTS OF THE MATERIALS AND EQUIPMENT AGAINST DAMAGE FROM ANY CAUSE DURING THE PROGRESS OF THE WORK AND UNTIL ACCEPTANCE BY THE OWNER.
9. CONTRACTOR SHALL MAKE EVERY EFFORT TO MAINTAIN A CLEAN WORK PLACE. DUST POLLUTION AND PREVENTION OF DUST CONTAMINATION OF NON-WORK SPACES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR ON AN ON GOING, DAILY BASIS. THE CONTRACTOR SHALL DEVELOP A SCHEDULE OF CONSTRUCTION WHICH INCLUDES THE NECESSARY ACTIONS TO MAINTAIN THE OPERATION OF THE TENANTS DURING THE CONSTRUCTION PROCESS.
10. CONTRACTOR SHALL MAKE NECESSARY CONNECTIONS TO EXISTING UTILITIES FOR TEMPORARY POWER AND WATER SUPPLIES, AND SHALL COORDINATE SUCH USE WITH THE OWNER PRIOR TO CONNECTION.
11. CONSTRUCTION HOURS SHALL BE DURING NORMAL BUSINESS HOURS.
12. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH APPLICABLE PARKING REGULATIONS. ONSITE PARKING IS LIMITED. RADIUS MAP, STAGING AND SAFETY PLANS ARE REQUIRED TO BE SUBMITTED PRIOR TO PRE-CONSTRUCTION MEETING.
13. DURING CONSTRUCTION, ANCHOR ALL LOOSE TEMPORARY PLATES OVER TRENCHES TO PREVENT ACCESS TO TRENCHES AND USE AS A WEAPON IF LIFTED.

REMODEL SHEET KEYNOTES

- 1 (N) CUBE-IT WALL MOUNTED CABINET. SEE TELECOM DRAWINGS FOR ADDITIONAL INFORMATION
- 2 (N) 4 POST FLOOR MOUNTED RACK AND CABINET ENCLOSURE. SEE TELECOM DRAWINGS FOR ADDITIONAL INFORMATION
- 3 (N) WALL MOUNTED WEATHER PROOF ENCLOSURE. SEE 11 & 12/AS-00 AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION
- 4 (E) 4 POST FLOOR MOUNTED RACK FOR DATA EQUIPMENT
- 5 (N) ELECTRICAL PANEL. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- 6 (N) SECONDARY BONDING BUSBAR. SEE ELECTRICAL & TELECOM DRAWINGS FOR ADDITIONAL INFORMATION
- 7 (N) WALL MOUNTED FAN COIL UNIT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- 8 (N) FAN COIL UNIT DISCONNECT SWITCH. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- 9 (N) WEATHER PROOF RECEPTACLE. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- 10 (N) CONDENSING UNIT DISCONNECT SWITCH. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- 11 (N) CONDENSING UNIT ON (E) CONCRETE SLAB ON GRADE. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- 12 (N) CAGE WITH CHAIN LINK FENCING AROUND (N) CONDENSING UNIT. SEE 16/AS-00 FOR ADDITIONAL INFORMATION
- 13 (N) POWER OUTLET. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- 14 (N) CAMERA. SEE SECURITY DRAWINGS FOR ADDITIONAL INFORMATION
- 15 (N) CHAIN LINK FENCE GATE. SEE DETAIL 19/AS-00 FOR ADDITIONAL INFORMATION
- 16 (N) OWNER-PROVIDED 4 POST FLOOR MOUNTED RACK FOR CONTRACTOR INSTALLED CCTV EQUIPMENT. SEE TELECOM DRAWINGS FOR ADDITIONAL INFORMATION

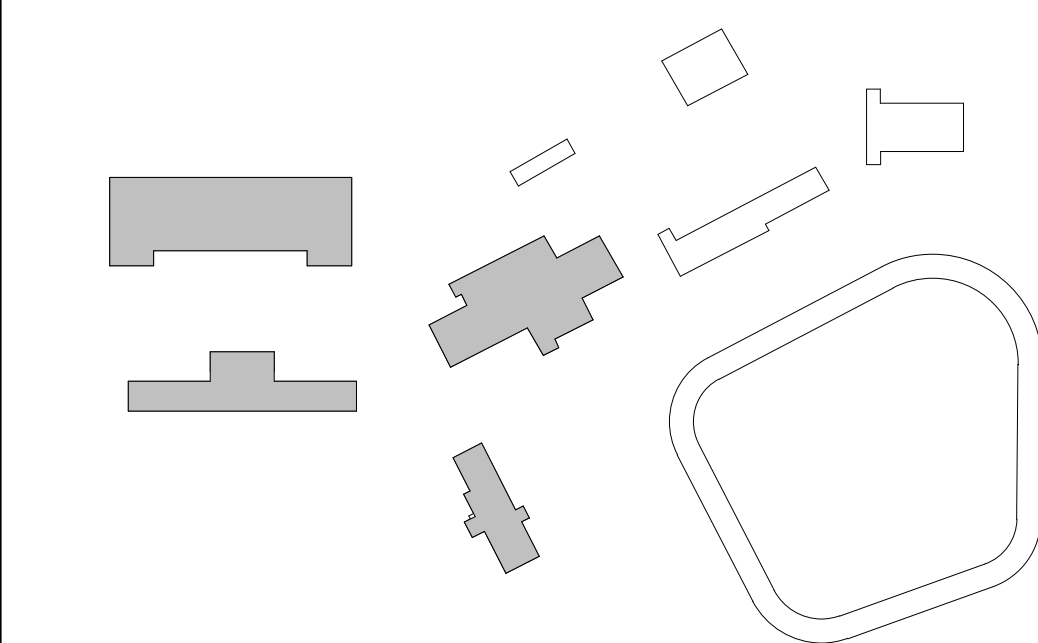
DEMO SHEET KEYNOTES

- 1 DEMO (E) 1-TON UNIT. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 2 DEMO (E) CASEWORK. PATCH & PAINT WALL TO MATCH ADJACENT SURFACES.
- 3 REMOVE STORAGE RACKS AND CONTENTS & RETURN TO OWNER.
- 4 (E) IDF RACK TO REMAIN. PROTECT IN PLACE.
- 5 REMOVE (E) WALL MOUNTED RACK. (E) EQUIPMENT SHALL BE RETURNED TO OWNER.
- 6 REMOVE (E) 2-POST RACK. (E) EQUIPMENT SHALL BE RETURNED TO OWNER.
- 7 DEMO (E) PAD-MOUNTED CONDENSATE UNIT. PROTECT (E) CONCRETE PAD TO REMAIN IN PLACE.
- 8 (E) WALL MOUNTED RACK TO REMAIN. PROTECT IN PLACE.

LEGEND

- (E) PARTITION WALL
- (N) PARTITION WALL
- DEMO
- (N) AUDIO INTERFACE ADAPTER
- (N) POWER OVER ETHERNET SWITCH
- (N) NETWORK VIDEO RECORDER

KEYPLAN



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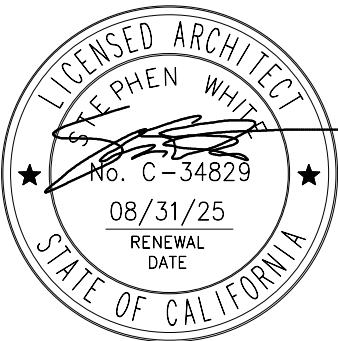
LA COUNTY DEPARTMENT OF PUBLIC WORKS



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BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
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2	BID SET	11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

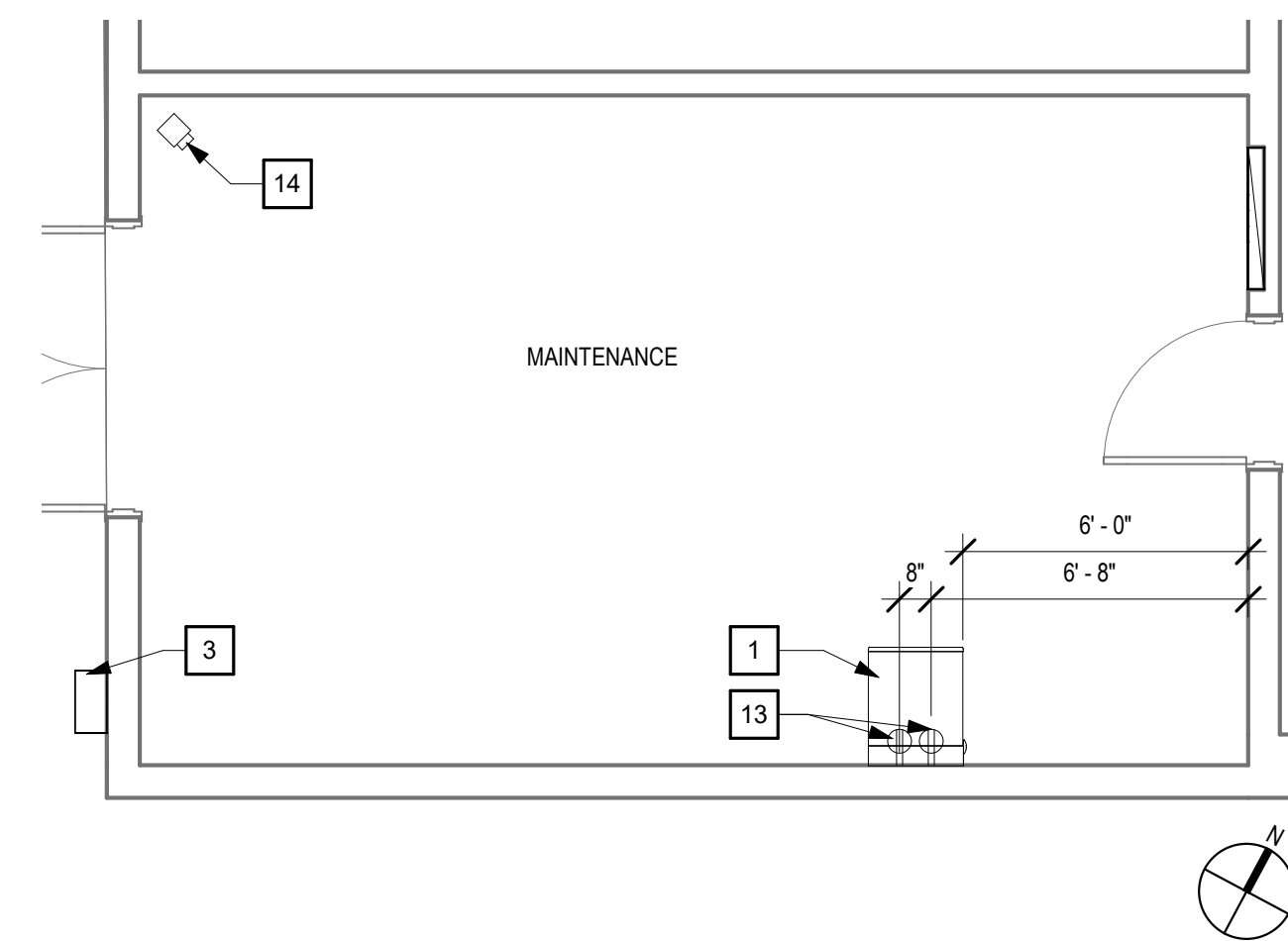
PROJECT NAME  
CAMP AFFLERBAUGH CCTV SYSTEM

FACILITY NAME  
CAMP AFFLERBAUGH

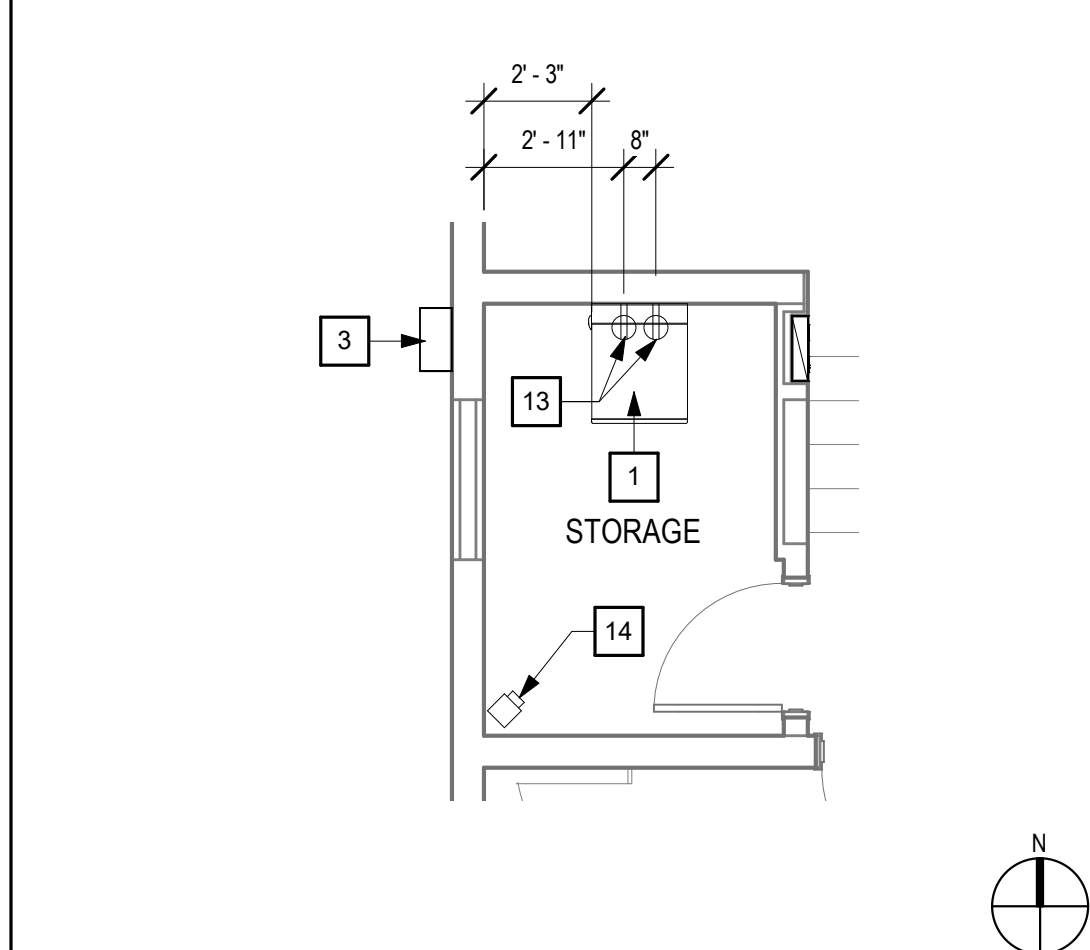
PROJECT ADDRESS  
6631 STEPHENS RANCH ROAD  
LA VERNE, CA 91750  
SHEET TITLE  
ENLARGED PLAN - DEMO & REMODEL - FIRST FLOOR

HZ PROJ. NO.	R311908.04	LA DPW SPEC NO.	7701
		PERMIT NO.	

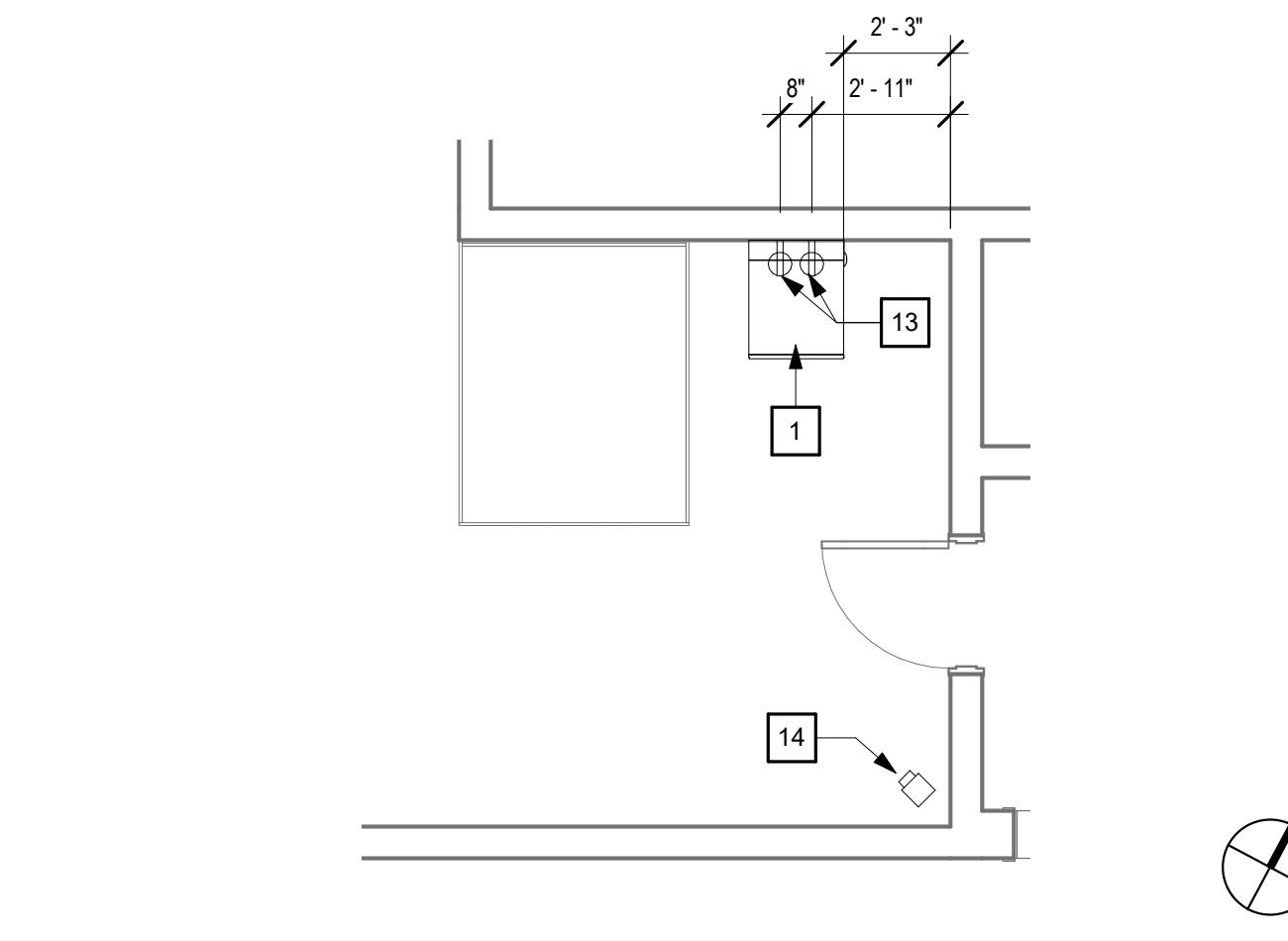
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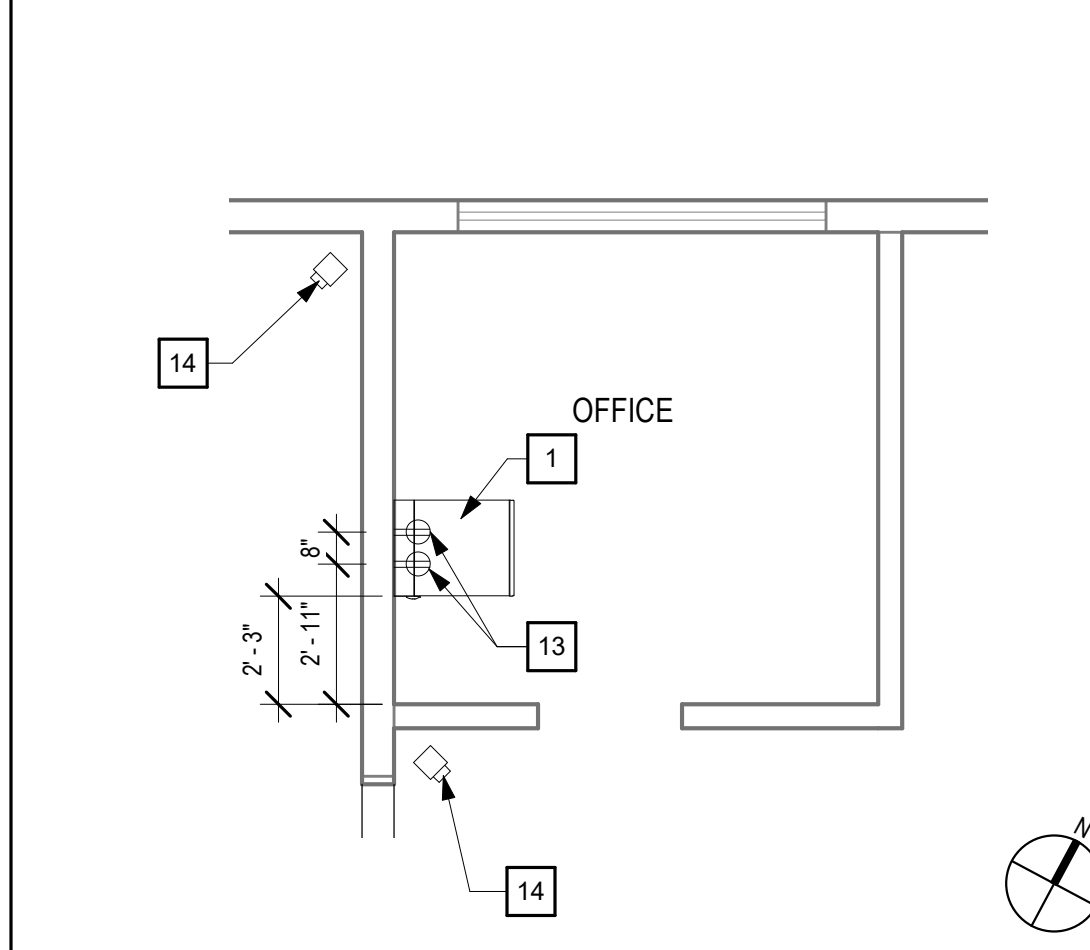
MAINTENANCE BUILDING - PARTIAL FLOOR PLAN 1/4" = 1'-0" 09



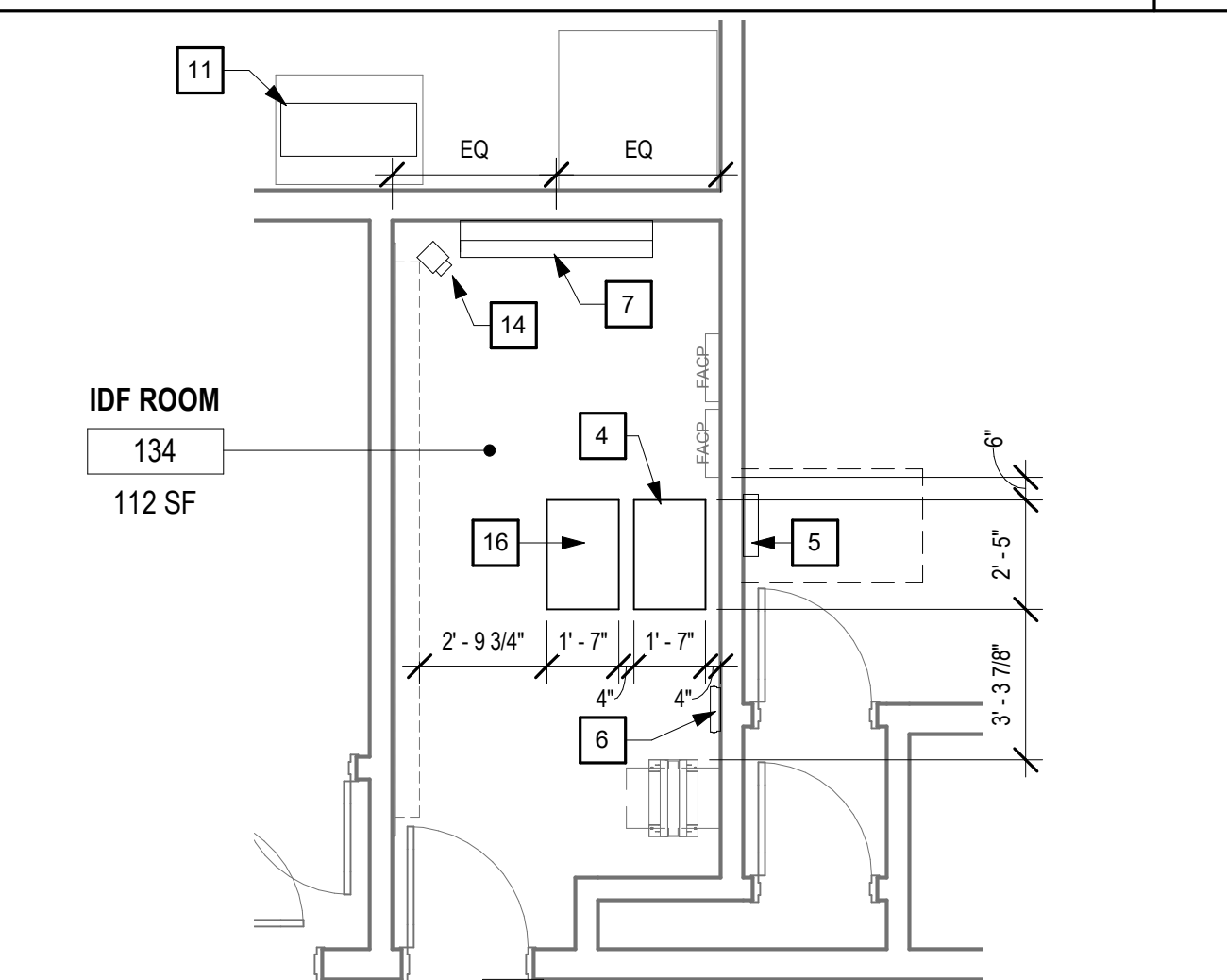
RECREATION - PARTIAL FLOOR PLAN 1/4" = 1'-0" 04



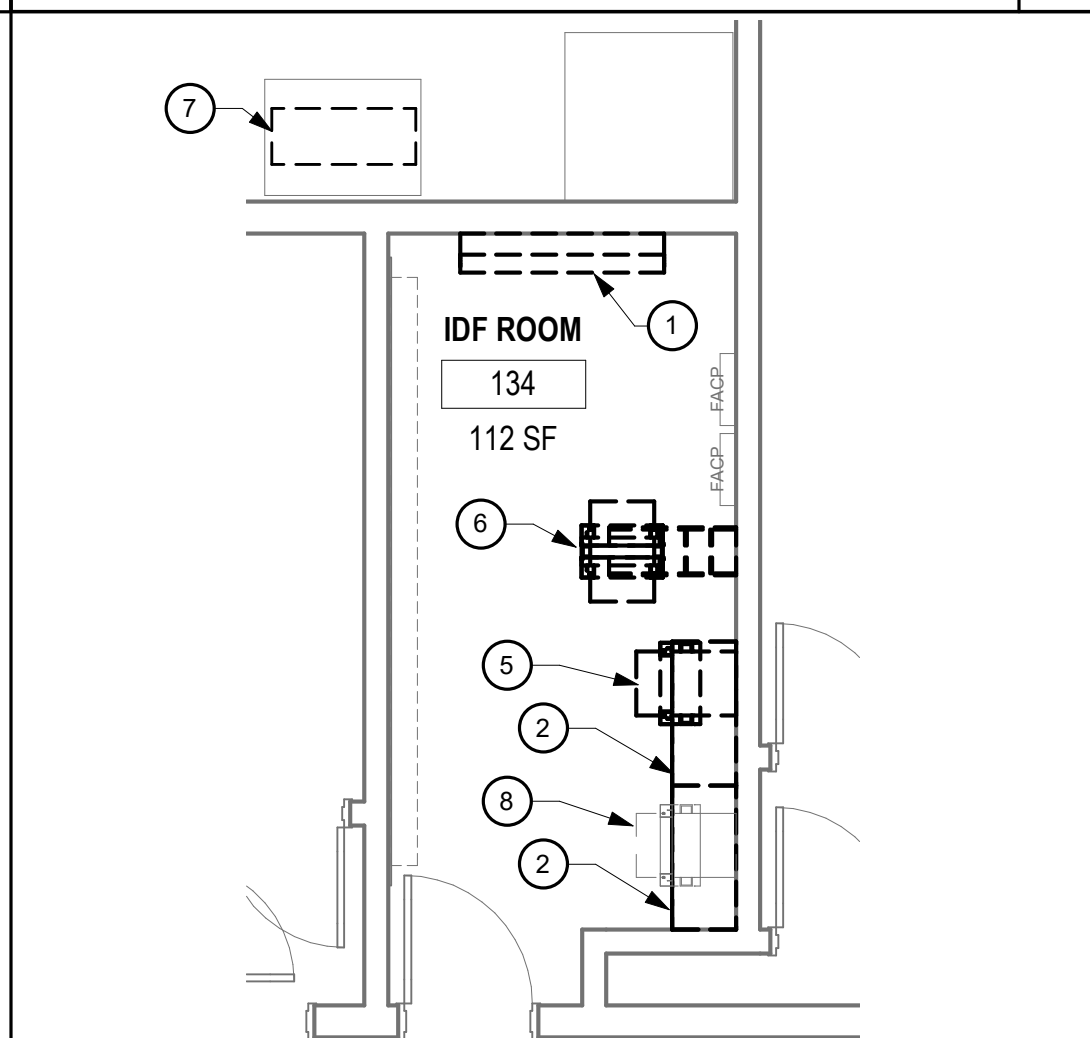
DORMITORY BUILDING - ENLARGED FLOOR PLAN 1/4" = 1'-0" 08



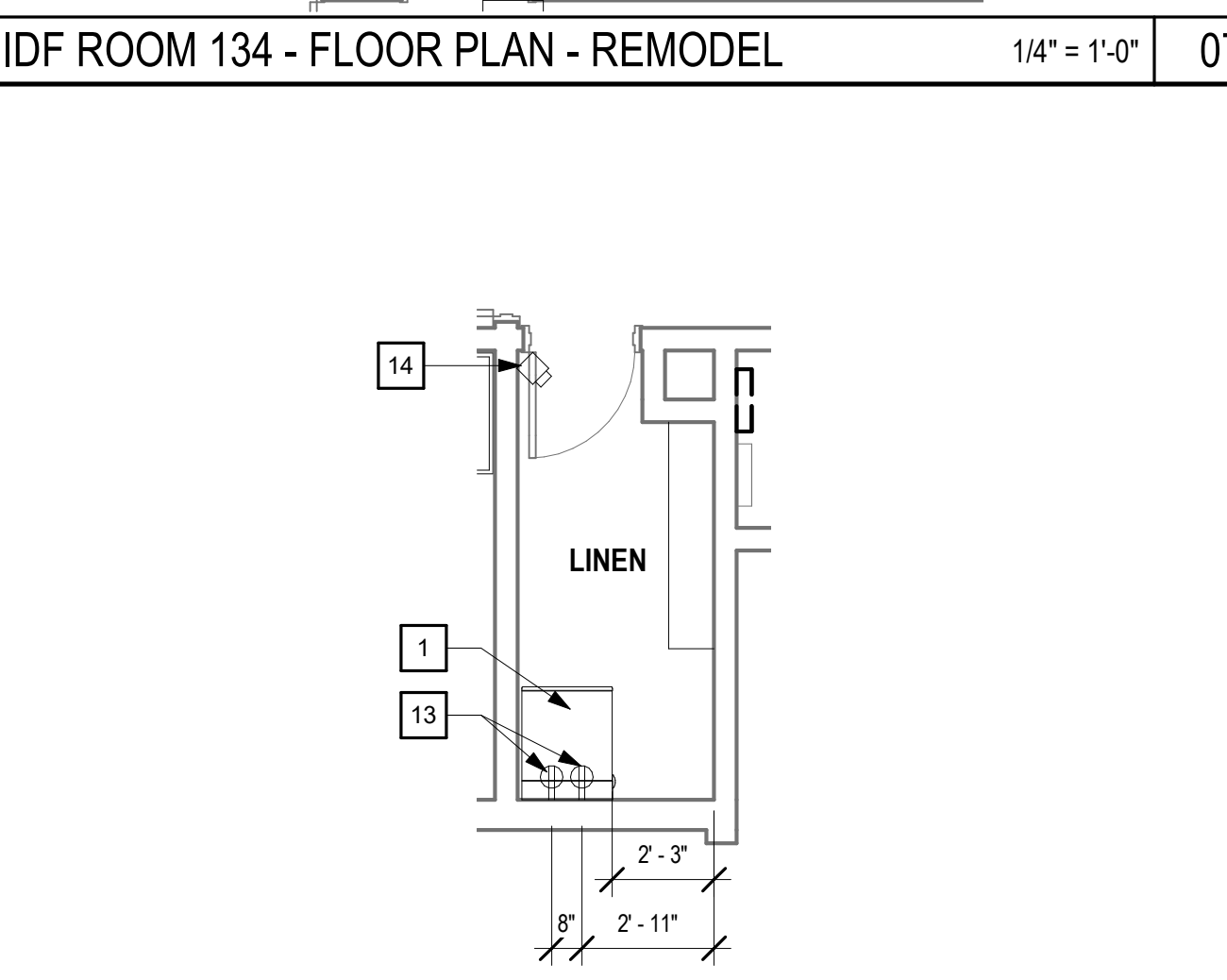
KITCHEN - PARTIAL FLOOR PLAN 1/4" = 1'-0" 03



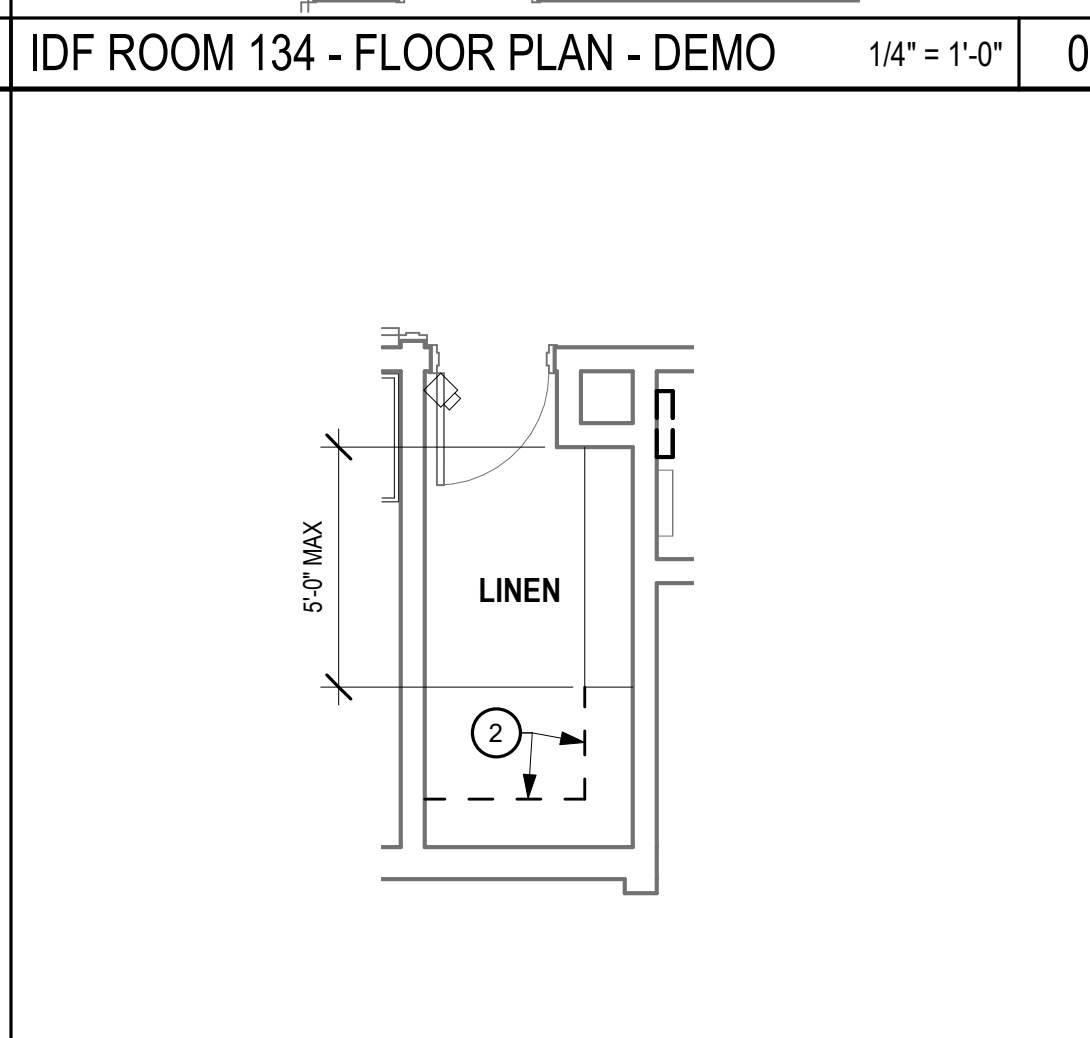
IDF ROOM 134 - FLOOR PLAN - REMODEL 1/4" = 1'-0" 07



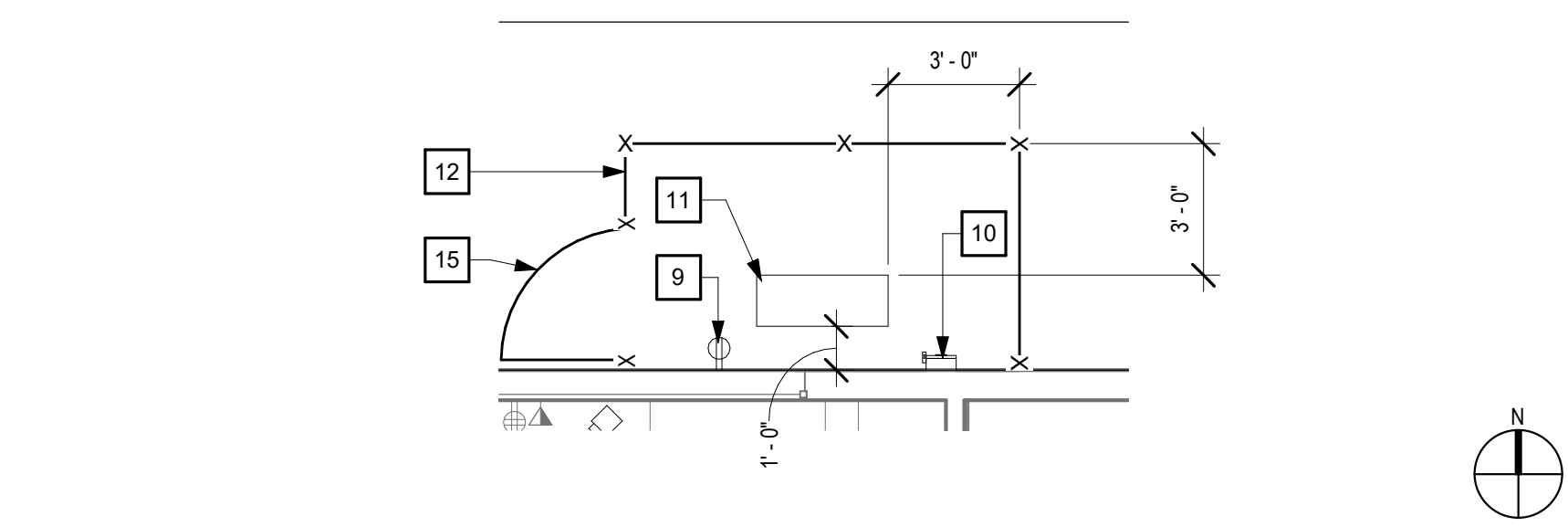
IDF ROOM 134 - FLOOR PLAN - DEMO 1/4" = 1'-0" 02



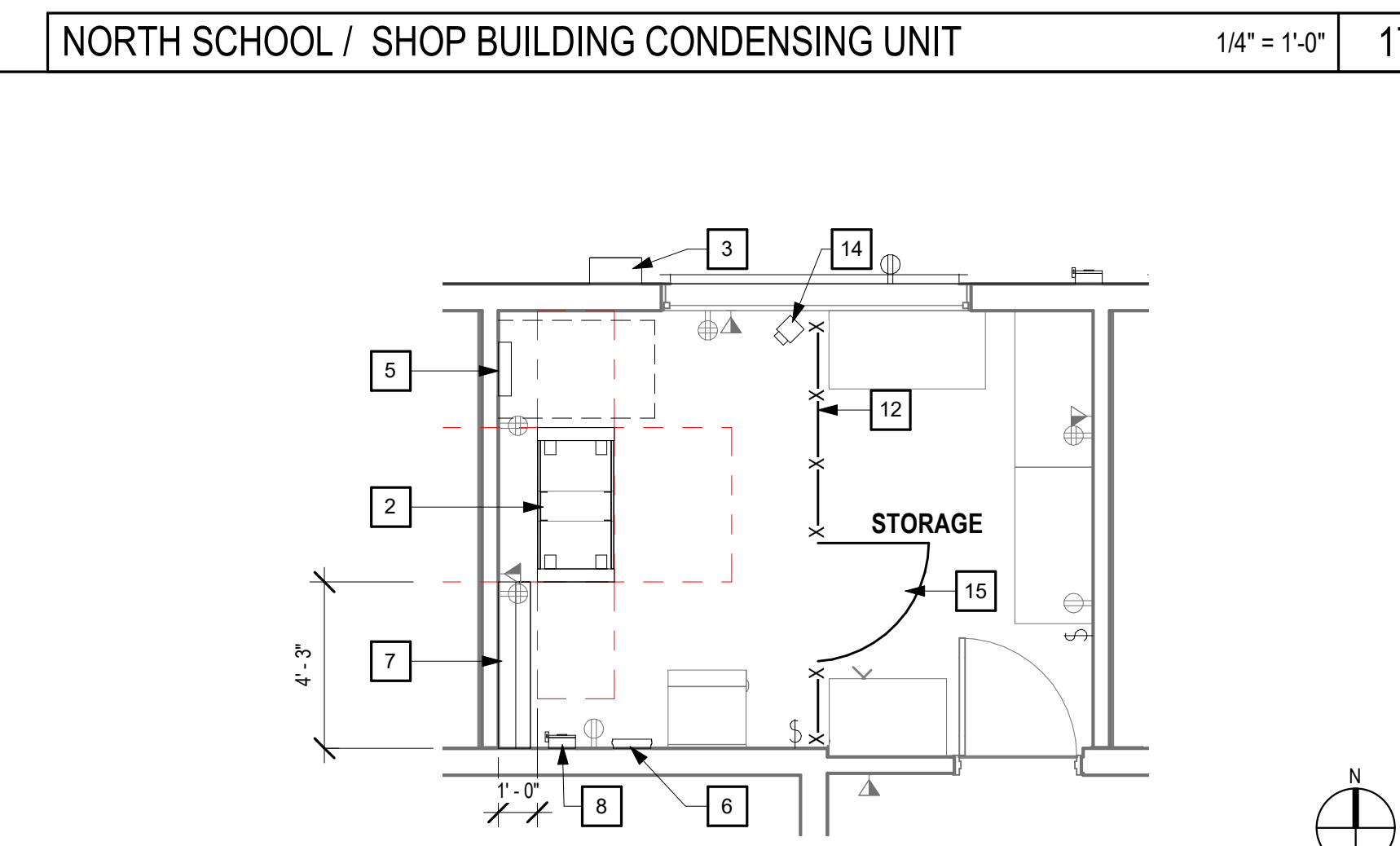
LINEN ROOM - FLOOR PLAN - REMODEL 1/4" = 1'-0" 06



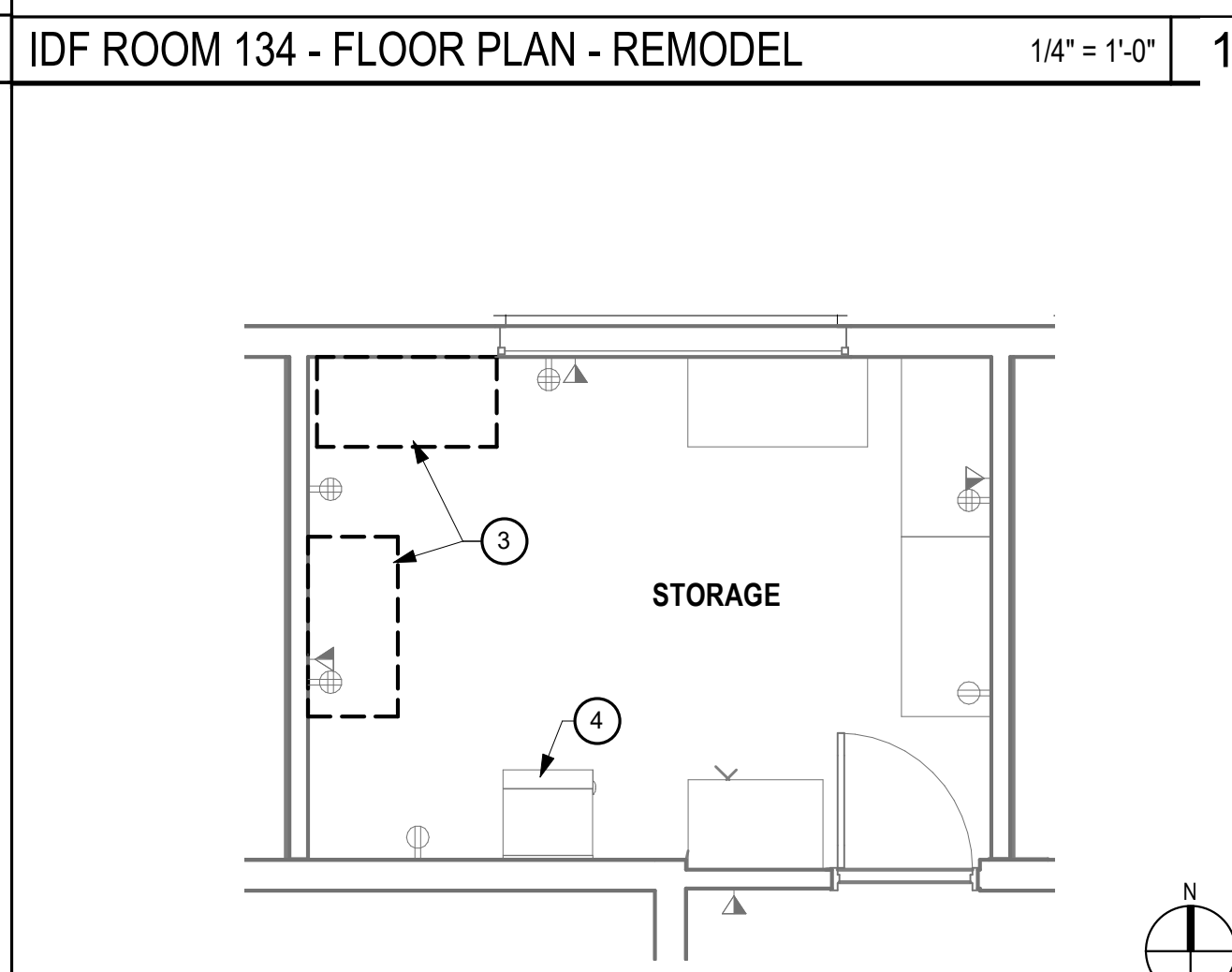
LINEN ROOM - FLOOR PLAN - DEMO 1/4" = 1'-0" 01



NORTH SCHOOL / SHOP BUILDING CONDENSING UNIT 1/4" = 1'-0" 17

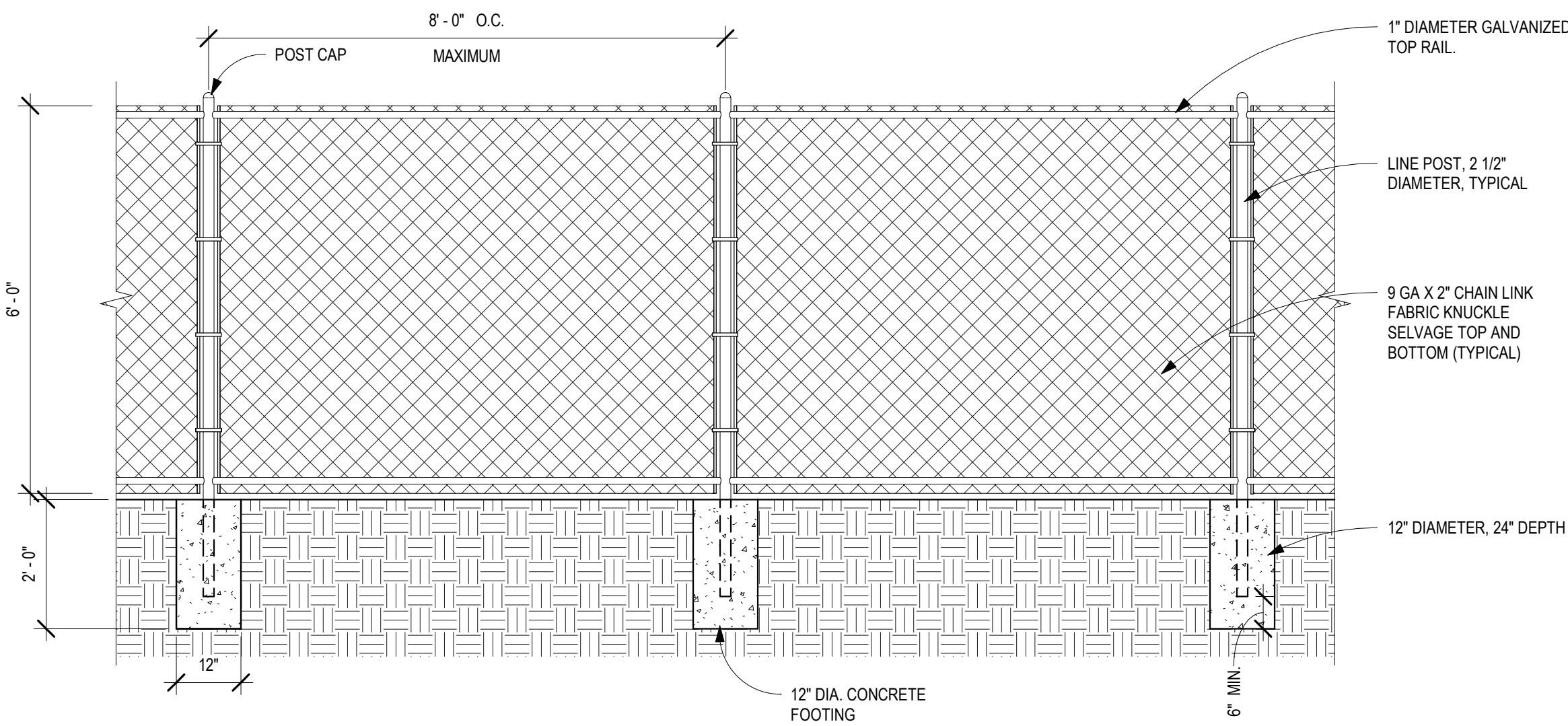


NORTH SCHOOL / SHOP BUILDING REMODEL - FLOORPLAN 1/4" = 1'-0" 16



N. SCHOOL / SHOP BUILDING - DEMO - FLOOR PLAN 1/4" = 1'-0" 11

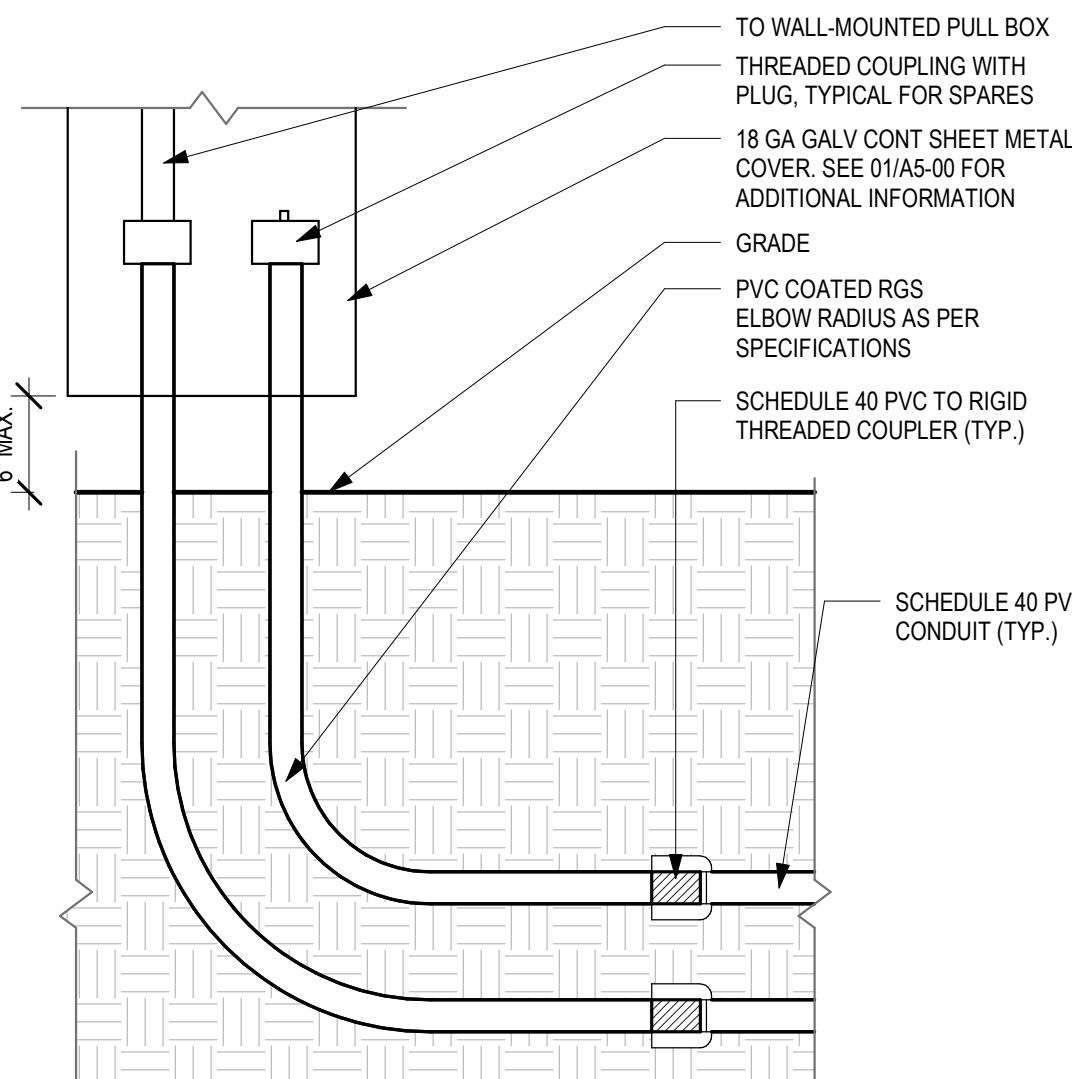




CHAIN LINK FENCE DETAIL

1/2" = 1'-0"

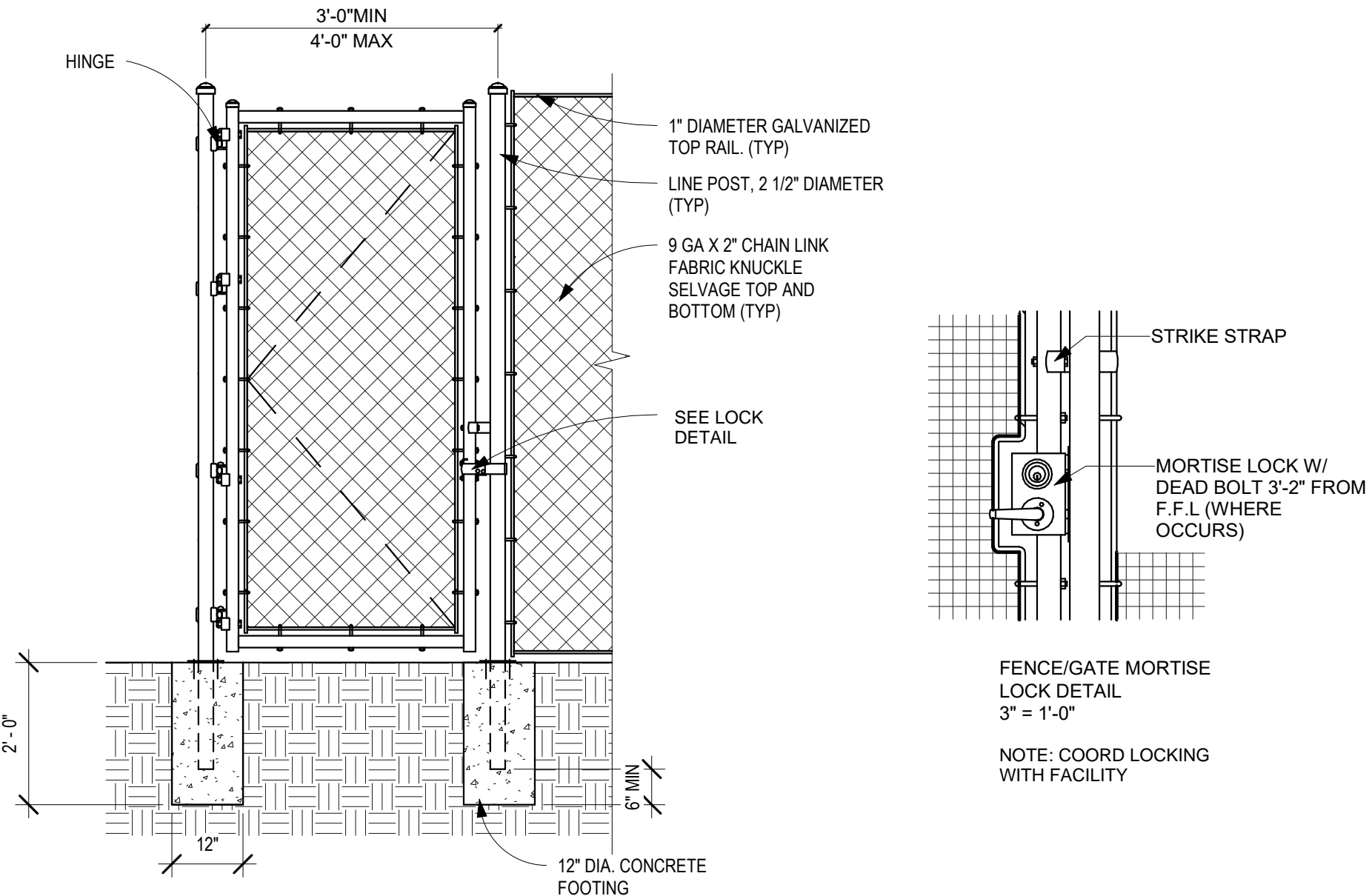
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TYPICAL CONDUIT STUB-UP

1" = 1'-0"

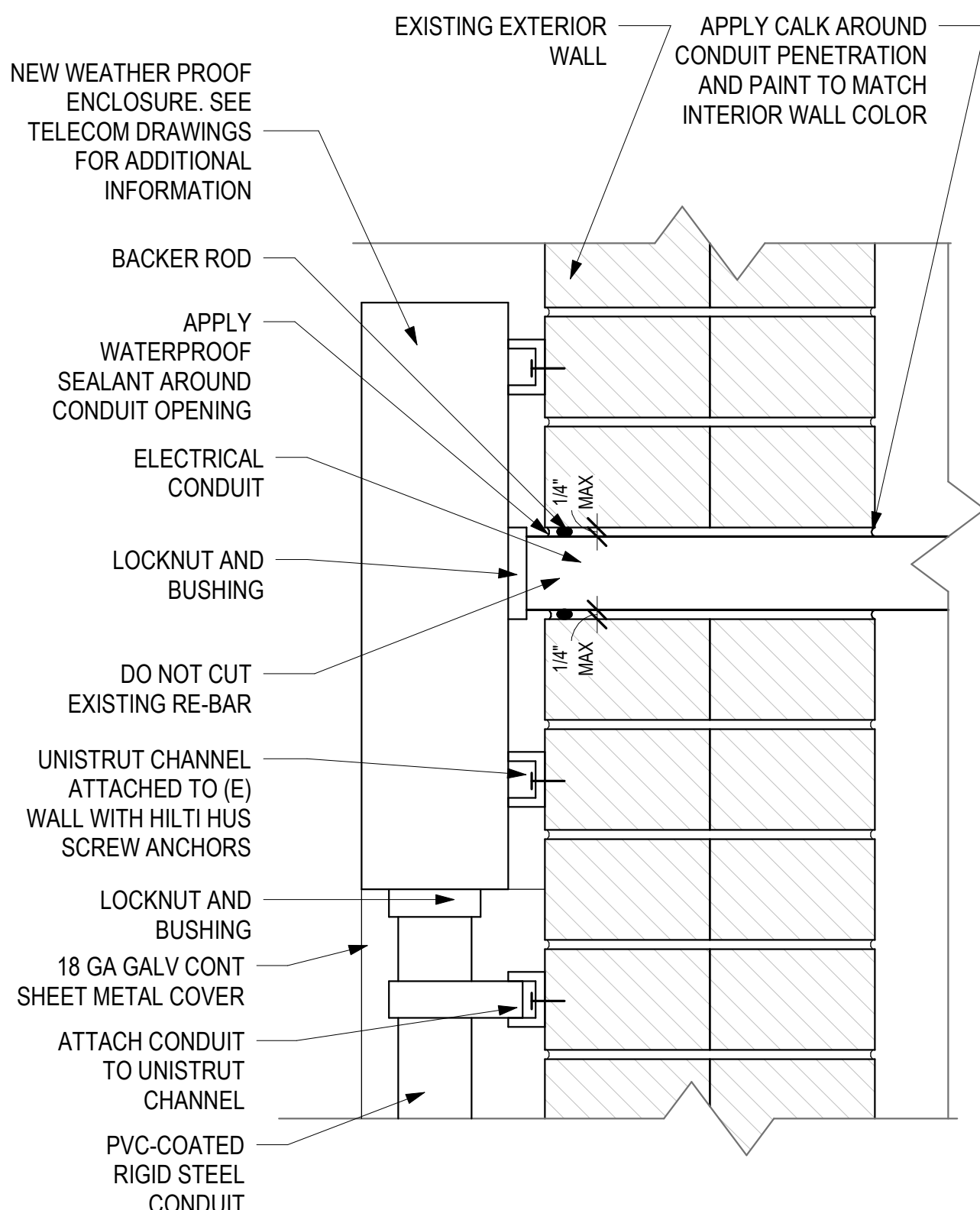
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CHAIN LINK GATE DOOR DETAIL

1/2" = 1'-0"

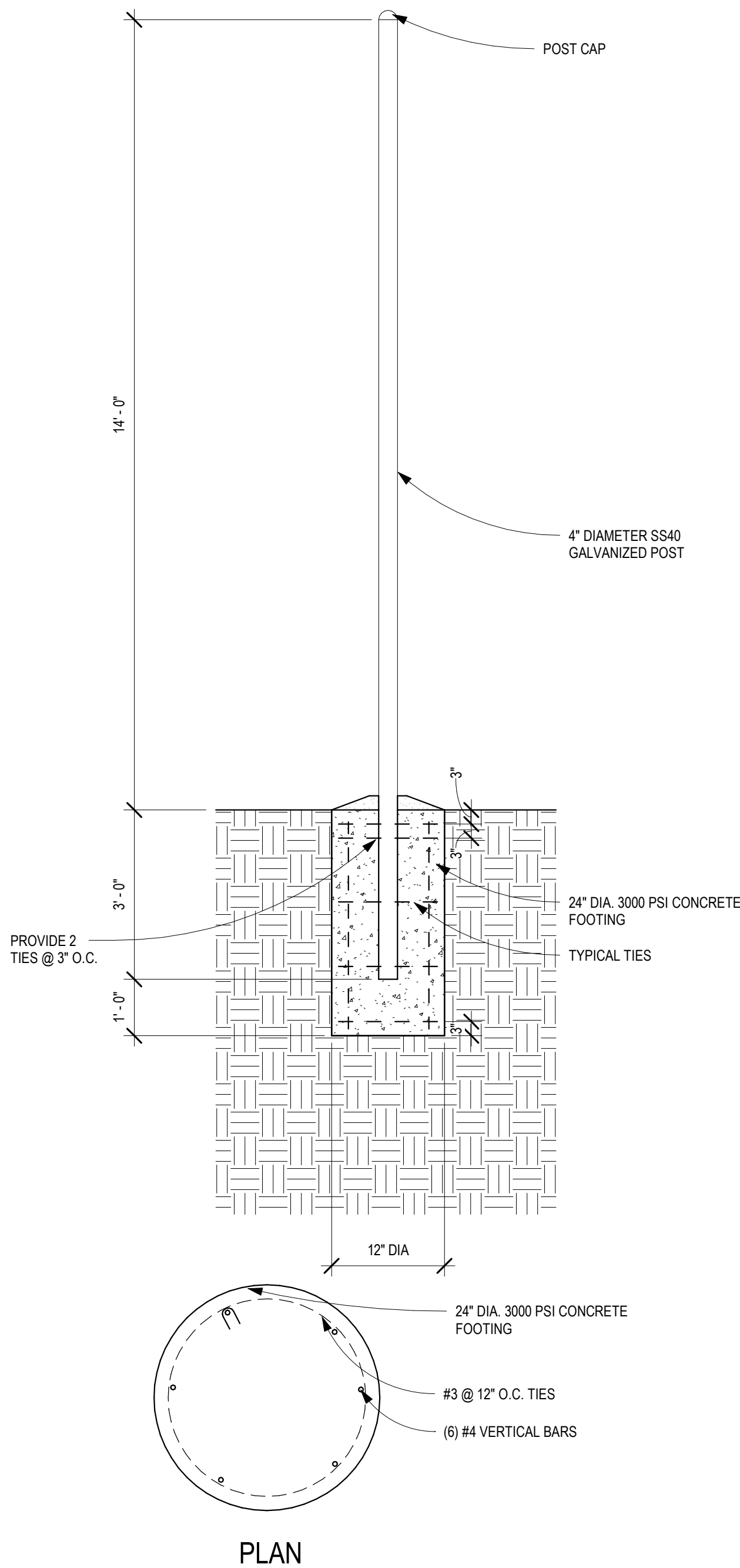
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CONDUIT PENETRATION THROUGH EXT. WALL

3" = 1'-0"

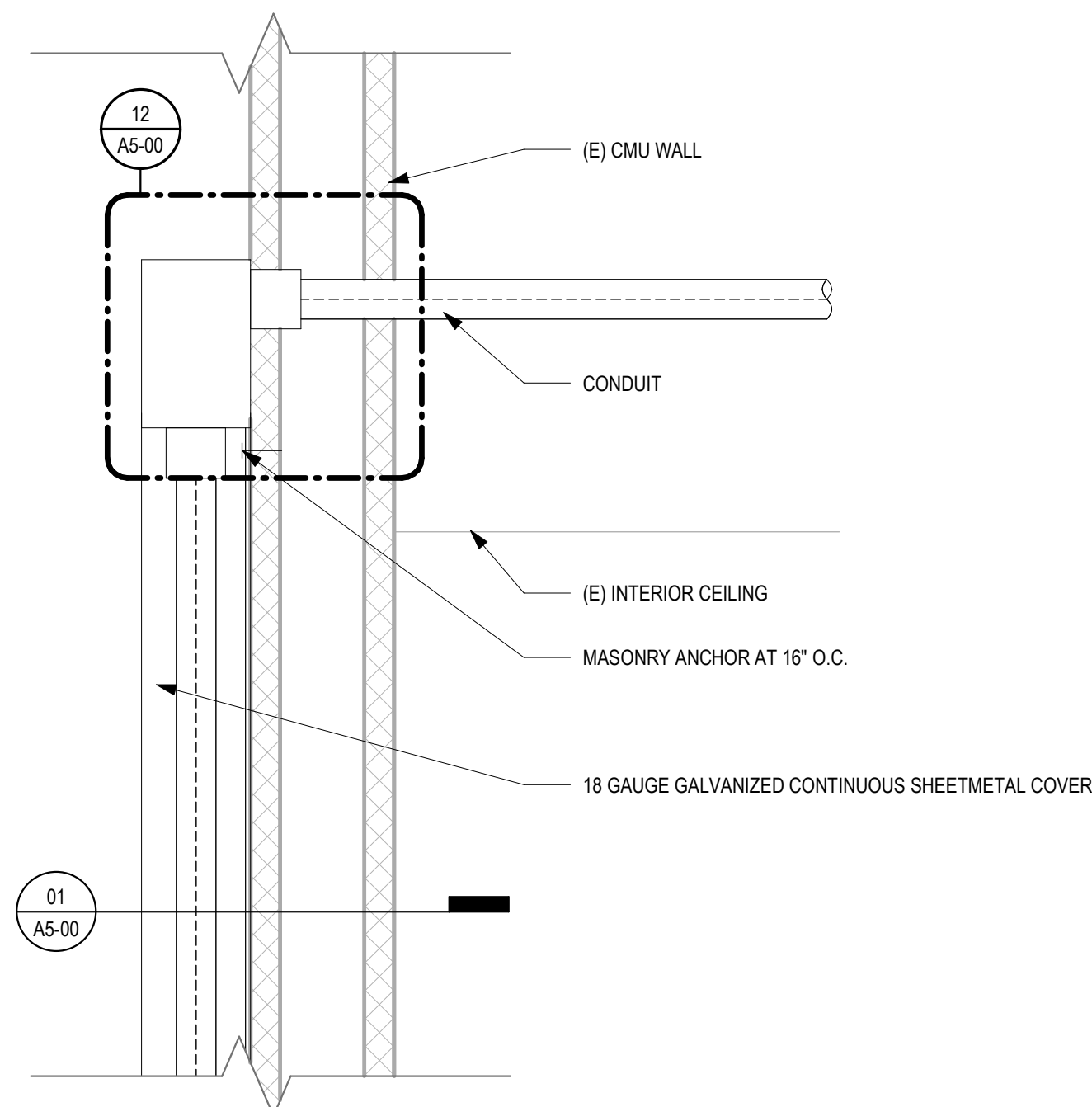
12



POLE DETAIL

1/2" = 1'-0"

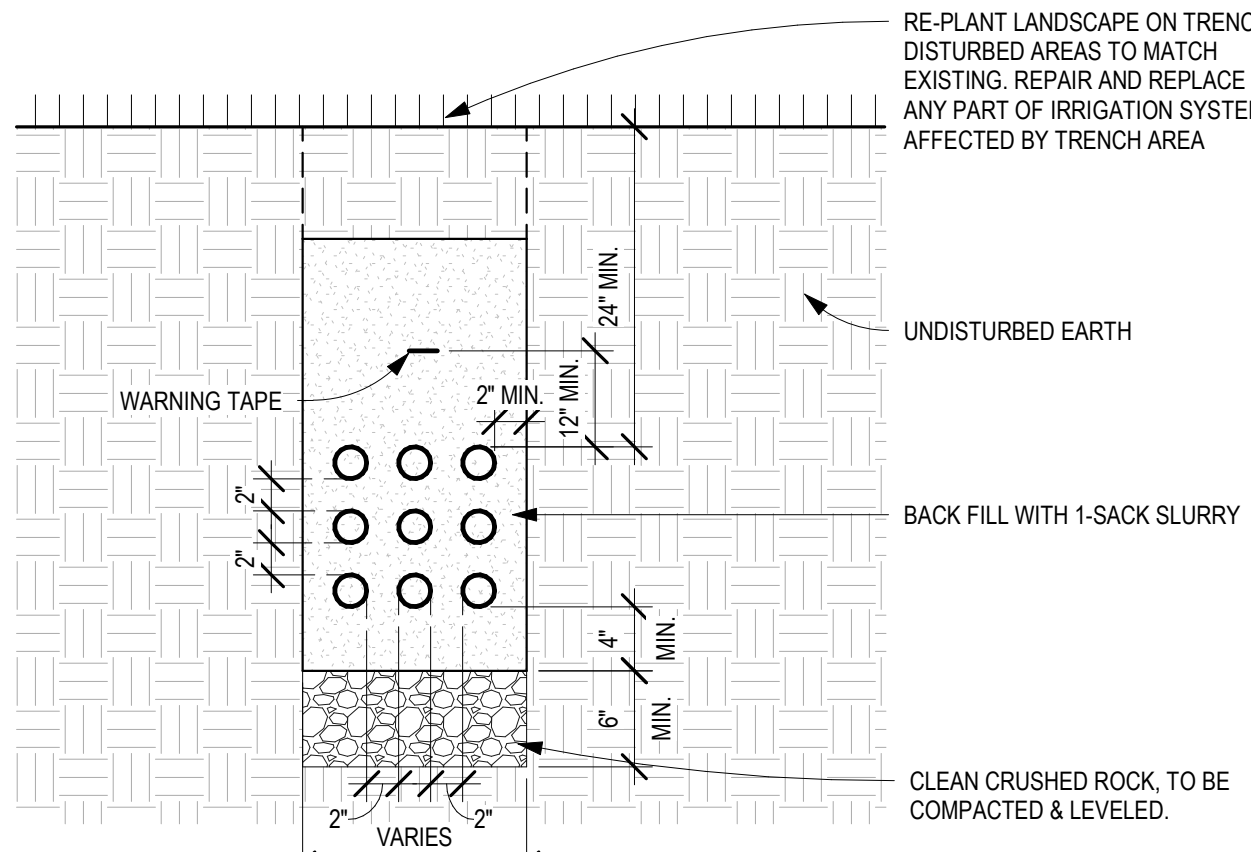
17



PENETRATION THROUGH EXTERIOR WALL

3" = 1'-0"

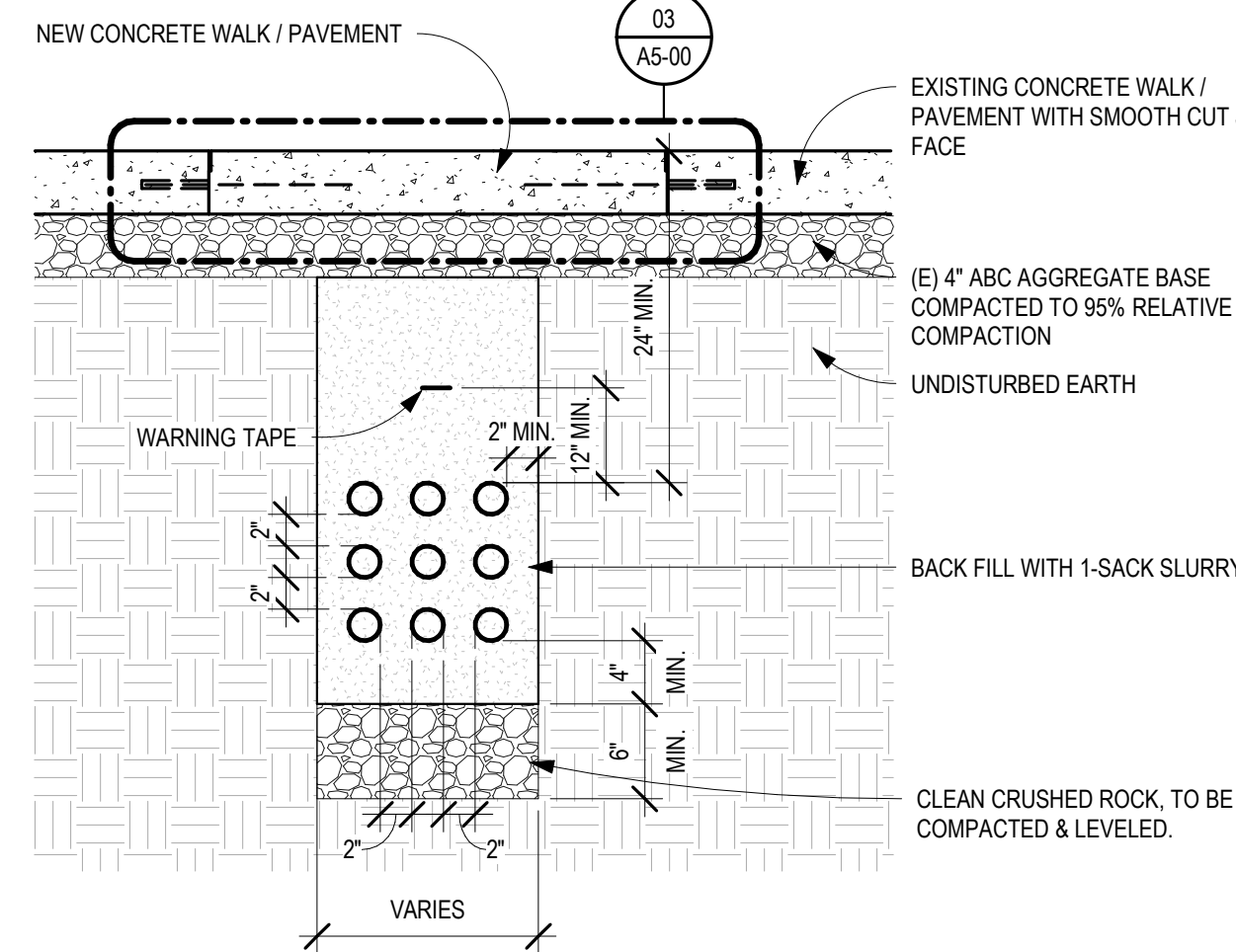
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TRENCH ON LANDSCAPE AREA

1" = 1'-0"

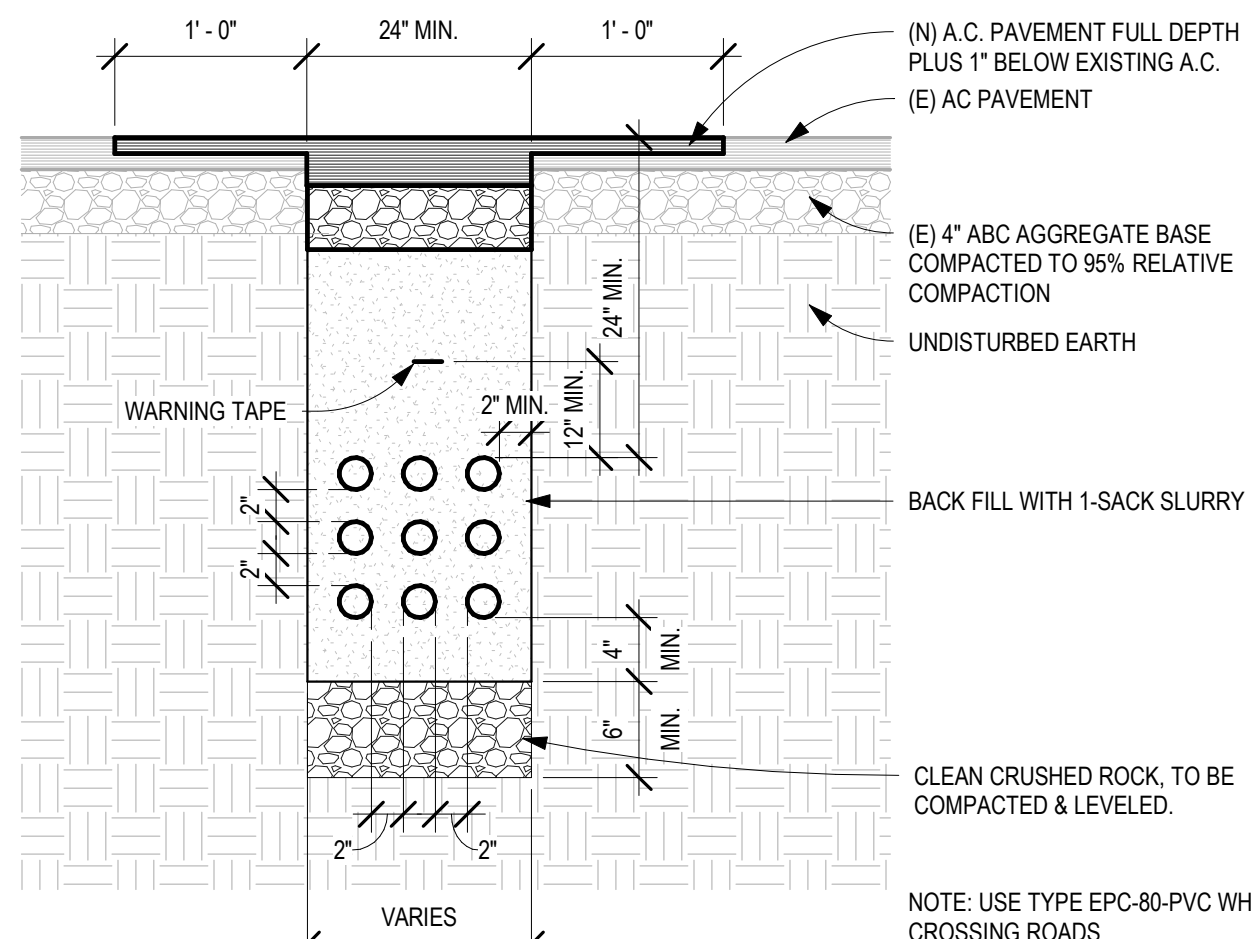
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CONCRETE PAVEMENT UTILITY TRENCH REPAIR

1" = 1'-0"

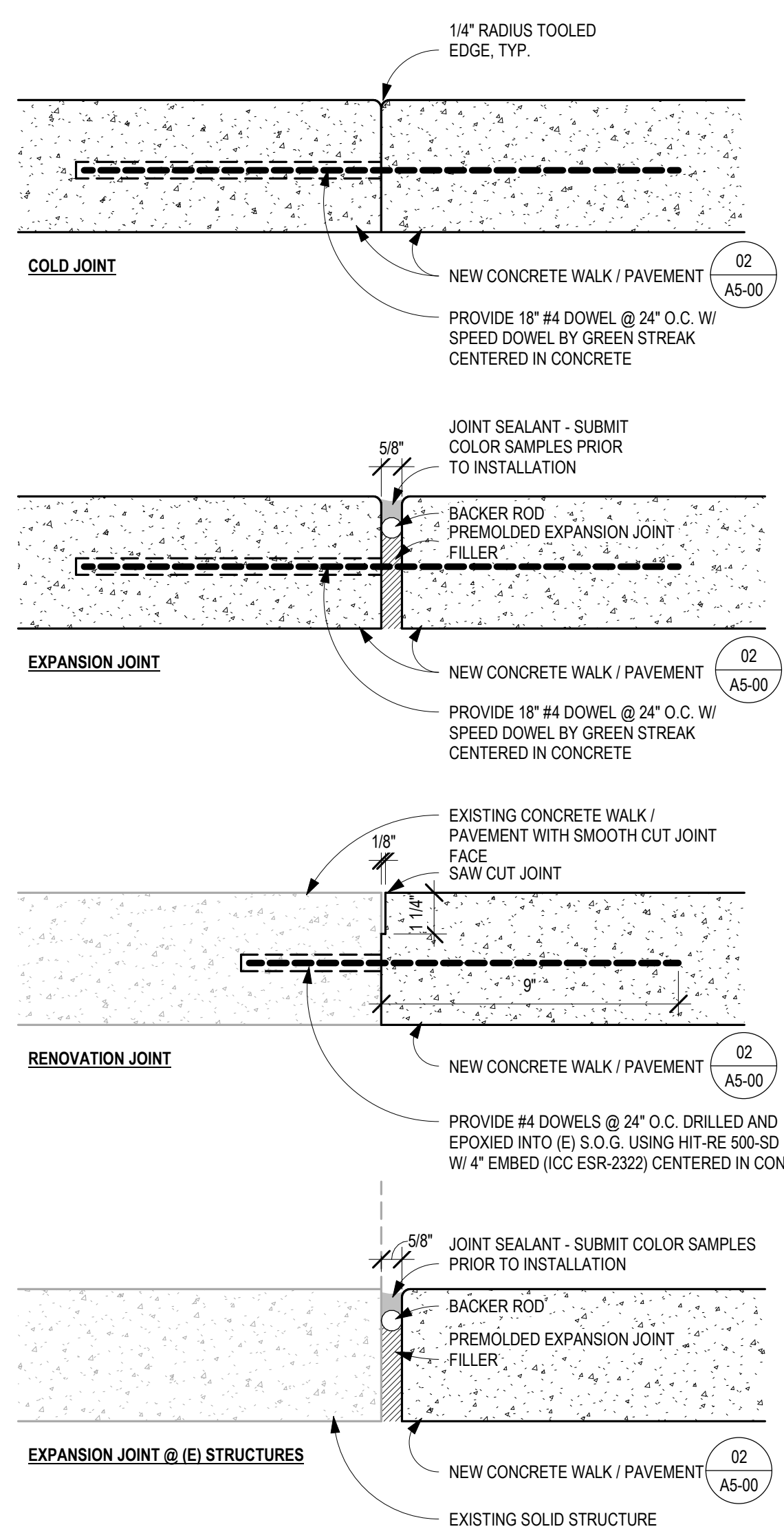
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A.C. PAVEMENT UTILITY TRENCH REPAIR

1" = 1'-0"

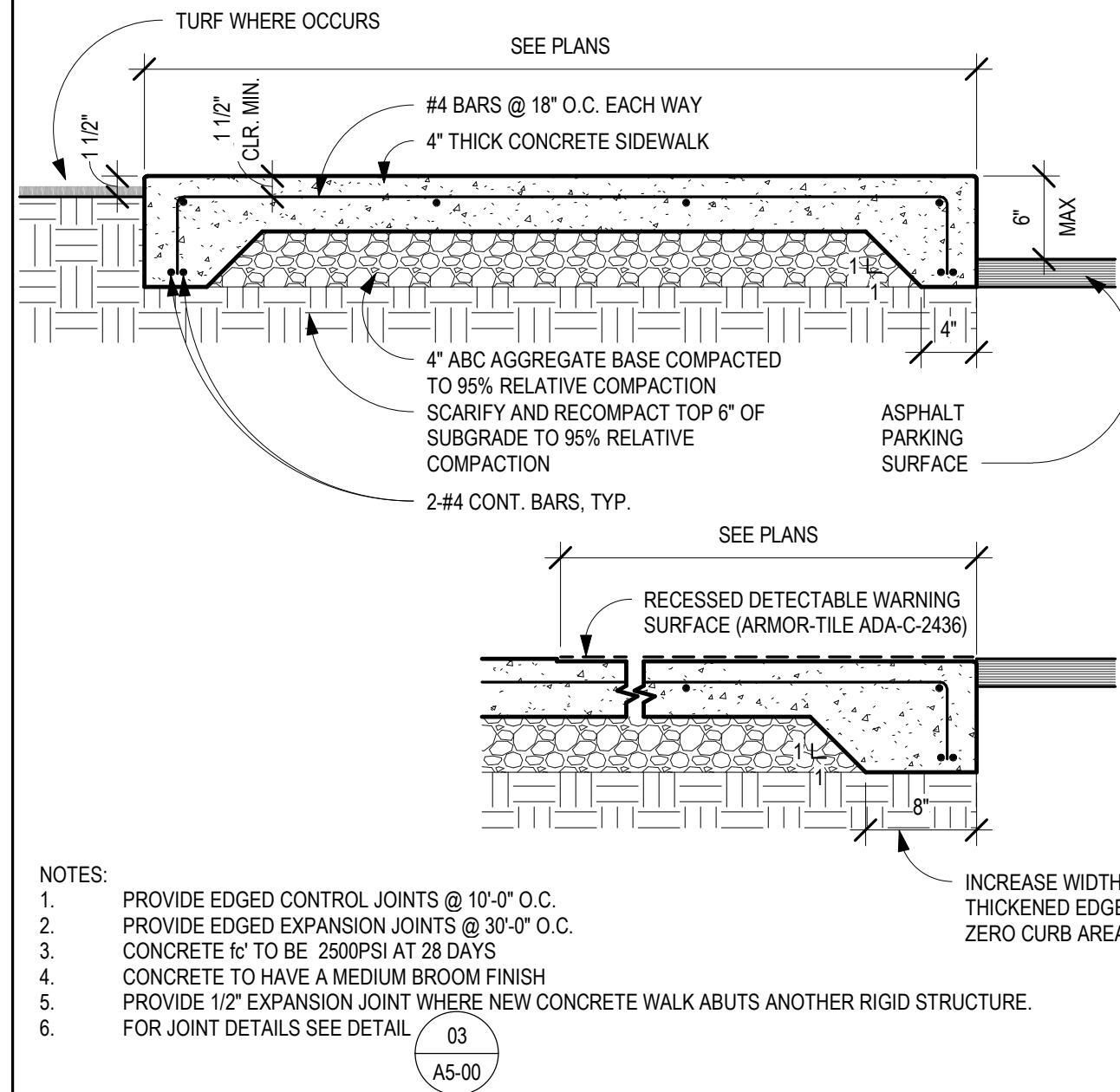
06



CONCRETE JOINTS

3" = 1'-0"

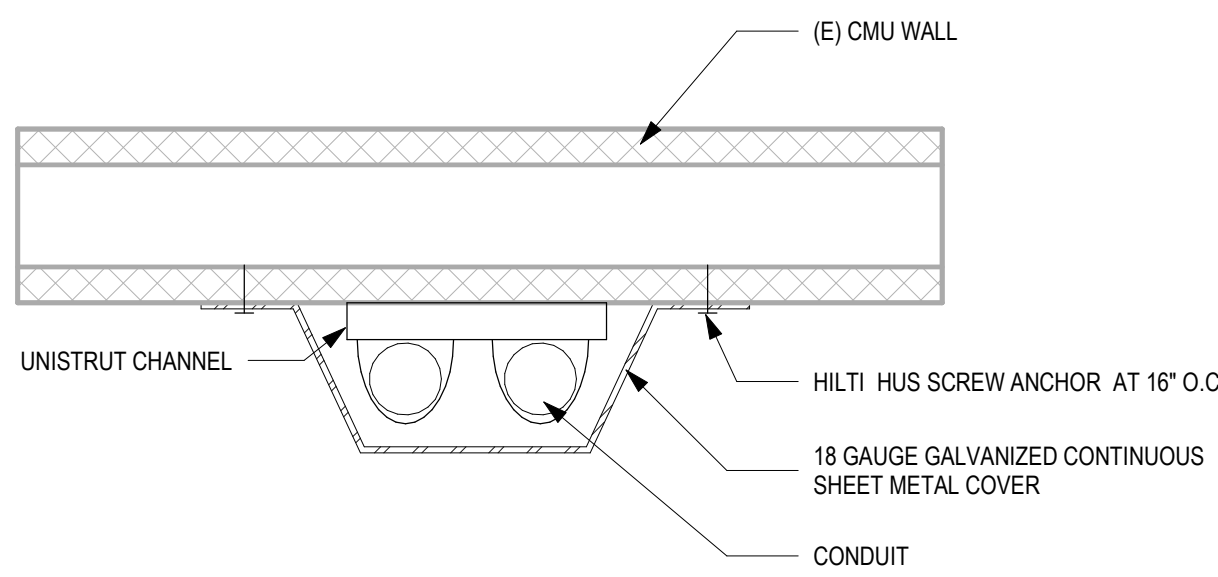
03



CONCRETE SIDEWALK

1" = 1'-0"

02



EXTERIOR CONDUIT COVER - PLAN

3" = 1'-0"

01



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ARCHITECT SEAL



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BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK BID SET	06/03/2024 11/11/2024

AGENCY APPLICATION NUMBER

UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME

CAMP AFFLERBAUGH CCTV  
SYSTEM

FACILITY NAME

CAMP AFFLERBAUGH

PROJECT ADDRESS

6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

SHEET TITLE

DETAILS

HZ PROJ. NO.	R311608.04	LA DPW SPEC. NO.	7701
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PERMIT NO.

A5-00









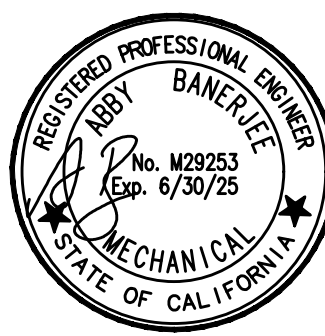
900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100  
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ARCHITECT SEAL

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BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN/CHECK PLAN/CHECK CORRECTIONS BID SET	05/03/2024 06/12/2024 11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME  
CAMP AFFLERBAUGH  
CCTV SYSTEM

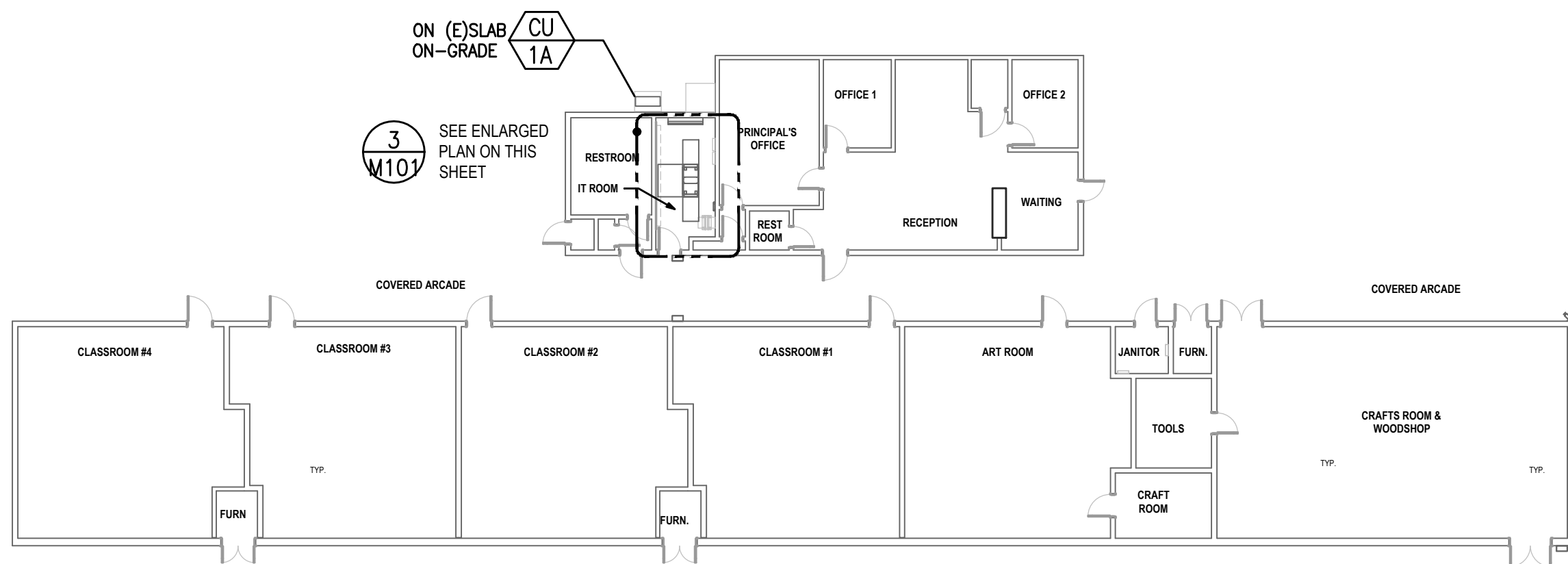
FACILITY NAME  
CAMP AFFLERBAUGH

PROJECT ADDRESS  
6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

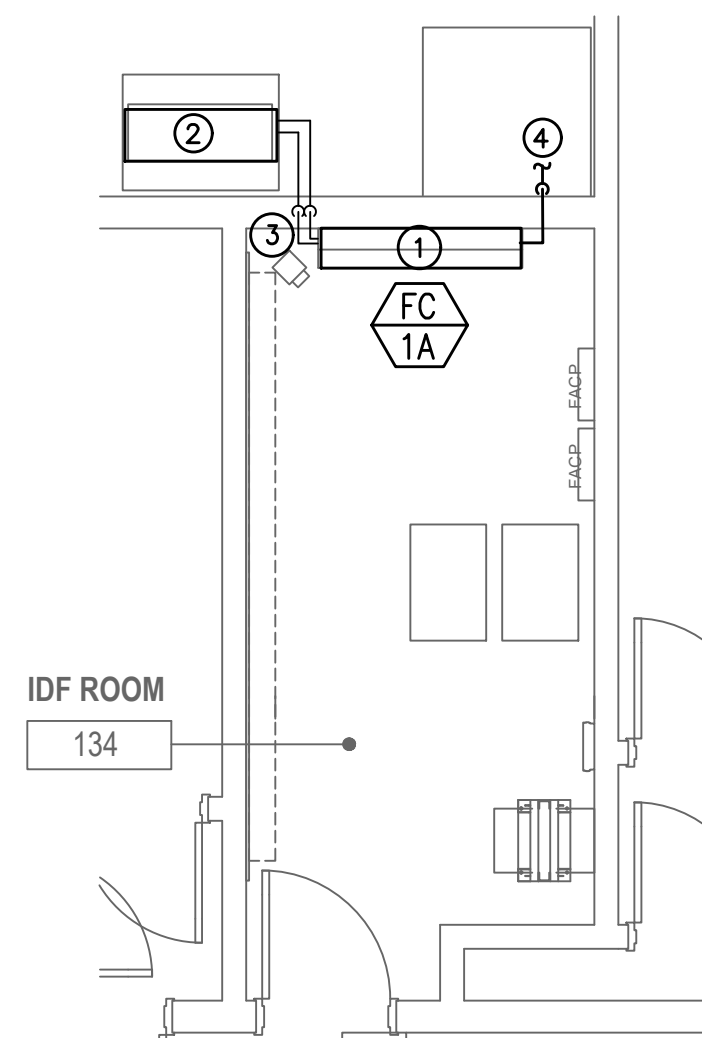
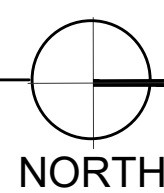
SHEET TITLE  
HVAC PLAN - ADMIN &  
NORTH SCHOOL/SHOP  
BUILDING

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701  
SCALE: 1/8" = 1'-0" PERMIT NO.

M1.01



1 SCHOOL BUILDING - KEY PLAN  
SCALE: 1/8"=1'-0"

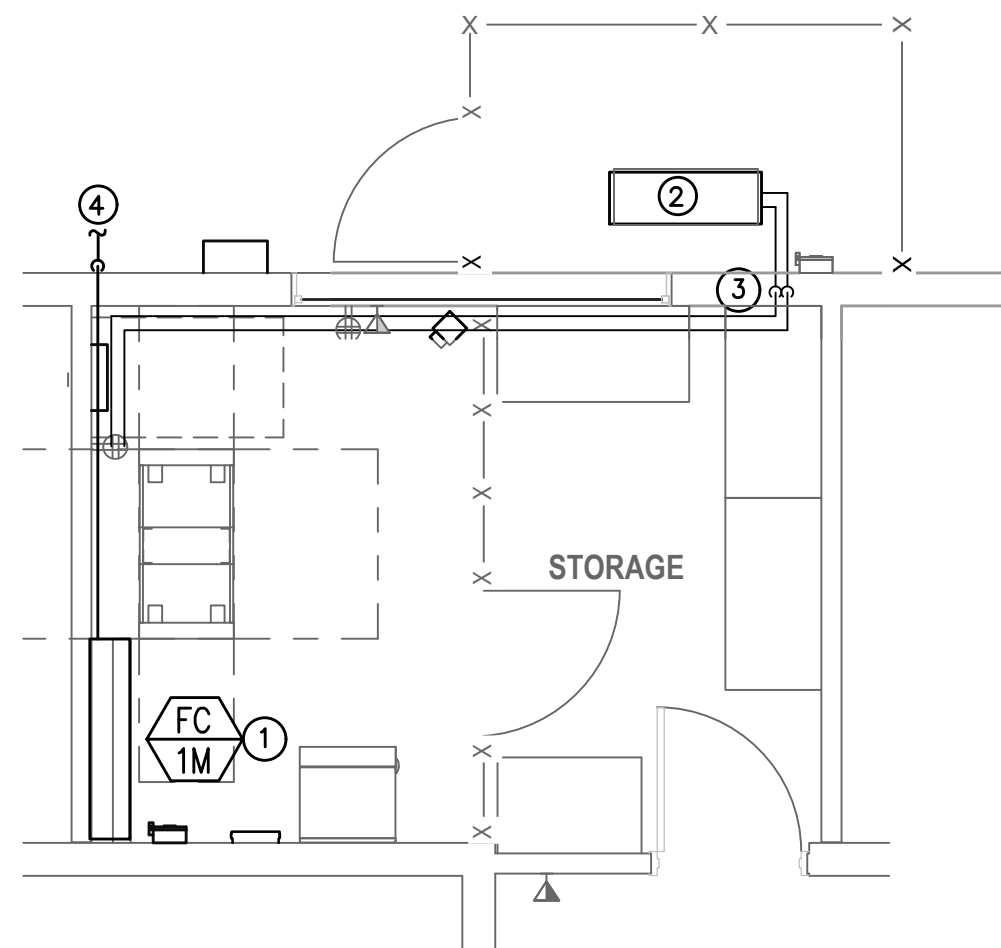


3 ENLARGED SCHOOL BUILDING  
IDF ROOM 134  
SCALE: 1/4"=1'-0"



KEYNOTES:

- 1 WALL MOUNTED FANCOIL UNIT.
- 2 CONDENSING UNIT AT GROUND WITH HOUSEKEEPING PAD.  
COORDINATE WITH BUILDING ENGINEER OR BLDG. MAINTENANCE.
- 3 REFRIGERANT LINES DOWN & OUT TO MATCHING OUTDOOR CONDENSING UNIT.
- 4 3/4" CONDENSATE DRAIN LINE TO EXISTING PLANTER AREA.

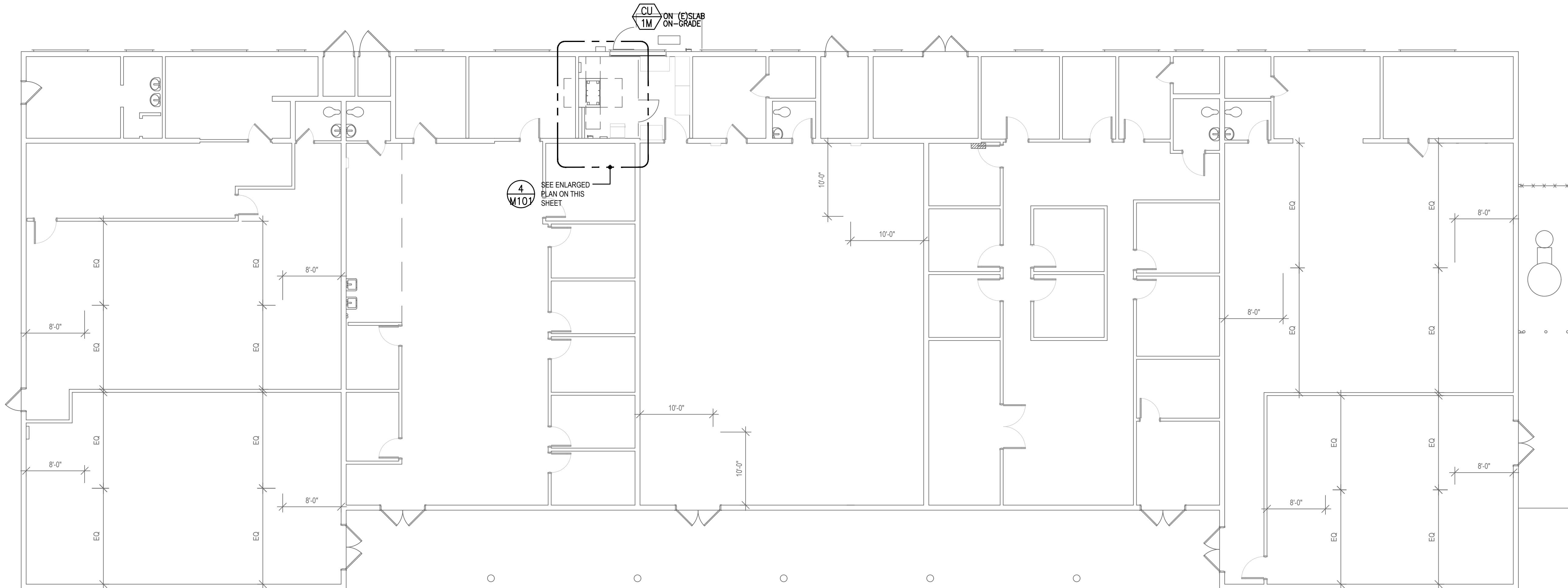


4 ENLARGED NORTH SCHOOL/  
SHOP BLDG.-SERVER RM.  
SCALE: 1/4"=1'-0"

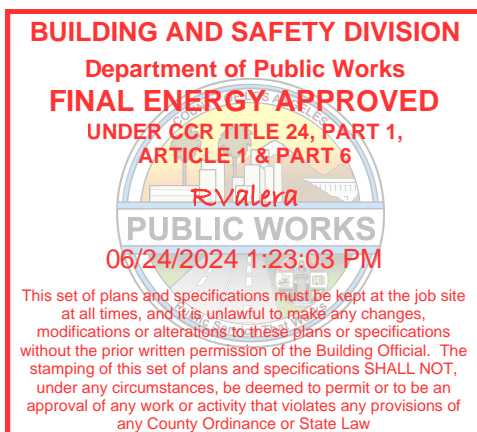
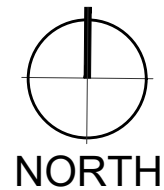


KEYNOTES:

- 1 WALL MOUNTED FANCOIL UNIT.
- 2 CONDENSING UNIT AT GROUND WITH HOUSEKEEPING PAD.  
COORDINATE WITH BUILDING ENGINEER OR BLDG. MAINTENANCE.
- 3 REFRIGERANT LINES DOWN & OUT TO MATCHING OUTDOOR CONDENSING UNIT.
- 4 3/4" CONDENSATE DRAIN LINE TO EXISTING PLANTER AREA.



2 NORTH SCHOOL/SHOP BLDG.-KEY PLAN  
SCALE: 1/8"=1'-0"







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FAX: 626.979.5320

CONSULTANT



ARCHITECT SEAL

CONSULTANT SEAL



**BID SET**

## ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN/CHECK PLAN/CHECK CORRECTIONS BID SET	05/03/2024 06/12/2024 11/11/2024

AGENCY APPLICATION NUMBER  
**UNC-MECH240510001771**  
AGENCY APPROVAL STAMP

PROJECT NAME  
**CAMP AFFLERBAUGH  
CCTV SYSTEM**

FACILITY NAME  
**CAMP AFFLERBAUGH**

PROJECT ADDRESS  
**6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750**

SHEET TITLE  
**TITLE 24 FORMS**

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701  
SCALE: 1/8" = 1'-0" PERMIT NO.

**M2.00**

STATE OF CALIFORNIA  
**Mechanical Systems**  
NRCC-MCH-E (Created 01/20)  
CALIFORNIA ENERGY COMMISSION  
NRCC-MCH-E

CERTIFICATE OF COMPLIANCE  
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: Afferbaugh Paige Camp CCTV System  
Project Address: 6631 Stephens Ranch Rd. La Verne  
Report Page: Page 1 of 9  
Date Prepared: 02.16.2023

**A. GENERAL INFORMATION**

01 Project Location (city)	La Verne	04 Total Conditioned Floor Area	
02 Climate Zone	9	05 Total Unconditioned Floor Area	
03 Occupancy Types Within Project:		06 # of Stories (Habitable Above Grade)	1
<input type="checkbox"/> Office (B)	<input type="checkbox"/> Retail (M)	<input type="checkbox"/> Non-refrigerated Warehouse (S)	
<input type="checkbox"/> Hotel/ Motel Guest Rooms (R-1)	<input type="checkbox"/> School (F)	<input type="checkbox"/> Healthcare Facility (H)	
<input type="checkbox"/> High-Rise Residential (R-2/R-3)	<input checked="" type="checkbox"/> Relocatable Class Bldg (E)	<input checked="" type="checkbox"/> Other (Write In):	Server Room and MCR Room

<sup>1</sup> FOOTNOTES: Climate zone can be determined on the California Energy Commission's website at [http://www.energy.ca.gov/maps/renewable/building\\_climate\\_zones.html](http://www.energy.ca.gov/maps/renewable/building_climate_zones.html)

**B. PROJECT SCOPE**

Table Instructions: Include any 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.

My project consists of (check all that apply)			
01	Air System(s)	02	Wet System Components
<input checked="" type="checkbox"/> Heating Air System	<input type="checkbox"/> Water Economizer	<input type="checkbox"/> Air Economizer	
<input type="checkbox"/> Cooling Air System	<input type="checkbox"/> Pumps	<input type="checkbox"/> Electric Resistance Heat	
<input type="checkbox"/> Mechanical Controls	<input type="checkbox"/> Hydronic System Piping	<input type="checkbox"/> Fan Systems	
<input checked="" type="checkbox"/> Mechanical Controls	<input type="checkbox"/> Cooling Towers	<input type="checkbox"/> Ductwork	
	<input type="checkbox"/> Chillers	<input type="checkbox"/> Ventilation	
	<input type="checkbox"/> Boilers	<input type="checkbox"/> Zonal Systems/ Terminal Boxes	

**C. COMPLIANCE RESULTS**

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

01	02	03	04	05	06	07	08	09
System Summary §110.1, §110.2, §140.4 (See Table F)	Pumps §140.4(a), §140.4(e)	Fans/ Economizers (See Table H)	System Controls §110.2, §120.2, §140.4(f) (See Table I)	Ventilation §120.1 (See Table J)	Terminal Box Controls §140.4(d) (See Table K)	Distribution §120.3, §140.4(i) (See Table L)	Cooling Towers §110.2(e)(2) (See Table M)	Compliance Results
Yes	AND	AND	AND	AND	AND	AND	AND	COMPLIES
Mandatory Measures Compliance (See Table Q for Details)								COMPLIES

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STATE OF CALIFORNIA  
**Mechanical Systems**  
NRCC-MCH-E (Created 01/20)  
CALIFORNIA ENERGY COMMISSION  
NRCC-MCH-E

CERTIFICATE OF COMPLIANCE  
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**D. EXCEPTIONAL CONDITIONS**

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  
No exceptional conditions apply to this project.

**E. ADDITIONAL REMARKS**

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

**F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)**

Table Instructions: Complete the following equipment schedules to show compliance with mandatory requirements found in §110.1 and §110.2(a) and prescriptive requirements found in §140.4(a), §140.4(b) and §140.4(h) or §141.0(b)(2) for alterations.

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

01	02	03	04	05	06	07	08	09	10	11
Name or Item Tag	Equipment Category per Tables 110.2	Equipment Type per Tables 110.2 & Title 20	Smallest Size Available <sup>1</sup> §140.4(a)	Sensible 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)
FC-1	Unitary AC/ Condensers	AC, air cooled, split (1 phase)	Yes	0	0	0	38,000	38,000	0	38,000
FC-2	Unitary AC/ Condensers	AC, air cooled, split (1 phase)	Yes	0	0	0	38,000	38,000	0	3,800

<sup>1</sup> 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). Healthcare facilities are exempted.  
<sup>2</sup> It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.  
<sup>3</sup> If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.  
<sup>4</sup> Authority Having Jurisdiction may ask for load calculations used for compliance per §140.4(b).

Table Continued

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**Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP))**

01	02	03	04	05	06	07	08	09
Name or Item Tag	Size Category (Btu/h)	Rating Condition (°F)	Efficiency Unit	Heating Mode	Min Efficiency Required per Tables 110.2/ Title 20	Design Efficiency	Efficiency Unit	Cooling Mode
F								
Fc								
FC								
FC-								
FC-2								

**G. PUMPS**

This Section Does Not Apply

**H. FAN SYSTEMS & AIR ECONOMIZERS**

This Section Does Not Apply

**I. SYSTEM CONTROLS**

Table Instructions: Complete the following Table to demonstrate compliance with mandatory controls in §110.2 and §120.2 and prescriptive controls in §140.4(f) and (n) or requirements in §141.0(b)(2) for altered space conditioning systems.

01	02	03	04	05	06	07	08	09
System Name	System Zoning	Conditioned Floor Area Being Served (ft²)	Thermostats §110.2(b) & (c) <sup>1</sup> , §120.2(a) or §141.0(b)(2)	Shut-Off Controls §120.2(e)	Isolation Zone Controls §120.2(g)	Demand Response §110.12 and §120.2(b)	Supply Air Temp. Reset §140.4(f)	Window Interlocks per §140.4(n)

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> January 2020

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01	02	03	04	05	06	07	08	09
System Name	System Zoning	Conditioned Floor Area Being Served (ft²)	Thermostats §110.2(b) & (c) <sup>1</sup> , §120.2(a) or §141.0(b)(2)	Shut-Off Controls §120.2(e)	Isolation Zone Controls §120.2(g)	Demand Response §110.12 and §120.2(b)	Supply Air Temp. Reset §140.4(f)	Window Interlocks per §140.4(n)
FC-1	single zone	≤ 25,000 ft²	Setback Thermostat	NA: 7 day per §120.2(e)(1)	Auto Timeswitch	NA: PTAC, PTHP, Rm AC, HP	NA: Single Zone	NA: No operable windows
FC-2	single zone		Setback Thermostat	NA: 7 day per §120.2(e)(1)	Auto Timeswitch	NA: PTAC, PTHP, Rm AC, HP	NA: Single Zone	NA: No operable windows

<sup>1</sup> 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.  
\* NOTES: Controls with a "1" require a note in the space below explaining how compliance is achieved.  
EX System 1: SA Temp Reset: Exempt because zones compliant with §140.4(d); EXCEPTION 1 to §140.4(f)

**J. VENTILATION AND INDOOR AIR QUALITY**

This Section Does Not Apply

**K. TERMINAL BOX CONTROLS**

This Section Does Not Apply

**L. DISTRIBUTION (DUCTWORK AND PIPING)**

This Section Does Not Apply

**M. COOLING TOWERS**

This Section Does Not Apply

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**N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**

Table Instructions: 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/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCC/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/)

YES	NO	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-MCH-01-E - Must be submitted for all buildings.	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

Table Instructions: 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/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCC/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/)

YES	NO	Form/Title	Field Inspector
<input type="radio"/>	<input type="radio"/>		Pass <input type="checkbox"/> Fail <input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> January 2020

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CERTIFICATE OF COMPLIANCE  
Project Name: Afferbaugh Paige Camp CCTV System  
Project Address: 6631 Stephens Ranch Rd. La Verne  
Report Page: Page 6 of 9  
Date Prepared: 02.16.2023

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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

Documentation Author Name: Dante D. Mendoza  
Company: Building Solutions Group  
Address: 1139 Westminster Ave. Suite A  
City/State/Zip: Alhambra, CA 91803  
Phone: 626.281.6220

Documentation Author Signature:

Signature Date:   
CEA/HERS Certification Identification (if applicable):   
Phone: 626.281.6220

**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: Abby Banerjee  
Company: Building Solutions Group  
Address: 1139 Westminster Ave. Suite A  
City/State/Zip: Alhambra, CA 91803  
Phone: 626.281.6220

Responsible Designer Signature:

Date Signed:   
License: M29253  
Phone: 626.281.6220

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> January 2020

STATE OF CALIFORNIA  
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Report Page: Page 7 of 9  
Date Prepared: 02.16.2023

**P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION**

Table Instructions: 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 completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Providers registry, but drafts can be found online at [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCC/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/)

YES	NO	Form/Title	Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-MCH-04-H Duct Leakage Test NOTE: Must be completed by a HERS Rater	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-MCH-24 Enclosure Air Leakage Worksheet NOTE: Must be completed by a HERS Rater	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-MCH-27 High-rise Residential NOTE: Must be completed by a HERS Rater	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-MCH-32 Local Mechanical Exhaust NOTE: Must be completed by a HERS Rater	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

**BUILDING AND SAFETY DIVISION**  
Department of Public Works  
**FINAL ENERGY APPROVED**  
UNDER CDR TITLE 24, PART 1, ARTICLE 1 & PART 6  
REVISED  
PUBLIC WORKS  
06/24/2024 1:23:04 PM  
This set of plans and specifications shall be kept at the job site at all times, and be subject to inspection by the Department of Public Works. Any modifications or amendments shall be approved by the Department of Public Works. The stamping of this set of plans and specifications shall, upon any circumstances, be deemed to permit the use of the Department of Public Works or State Law.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> January 2020

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NRCC-MCH-E

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Date Prepared: 02.16.2023

**Q. MANDATORY MEASURES DOCUMENTATION LOCATION**

Table Instructions: Indicate where mandatory measures are documented in the plan set or construction documentation. For any mandatory measures that do not apply, mark the plan sheet or construction document location as "N/A"; any active cells that are left blank will result in non-compliance in Table C.

01	02
Compliance with Mandatory Measures documented through	Plan sheet or construction document location
MCH Mandatory Measures Note Block:	
03	04
Mandatory Measure	Plan sheet or construction document location
Heating Equipment Efficiency per §110.1	N/A
Cooling Equipment Efficiency per §110.1	M1.00
Furnace Standby Loss Control per §110.2(d)	N/A
Duct Insulation per §120.4	N/A
Heating Hot Water Equipment Efficiency per §110.1	N/A
Cooling Chilled and Condenser Water Equipment Efficiency per §110.1	N/A
Open and Closed Circuit Cooling Towers conductivity of flow-based controls per §110.2(e)(1)	N/A
Open and Closed Circuit Cooling Towers Flow Meter with analog output per §110.2(e)(3)	N/A
Open and Closed Circuit Cooling Towers Overflow Alarm per §110.2(e)(8)	N/A
Open and Closed Circuit Cooling Towers Efficient Drift Eliminators per §110.2(e)(5)	N/A
Pipe Insulation per §120.3(b)	N/A
Combustion air shutoff, combustion air fan controls and stack design and controls for boilers per §120.9	N/A
Heat Pump with Supplementary Electric Resistance Heater Controls per §110.2(b)	N/A
The air duct and plenum system is designed per §120.4(a)(1)	N/A
Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2	N/A

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NRCC-MCH-E

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**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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

Documentation Author Name: Dante D. Mendoza  
Company: Building Solutions Group  
Address: 1139 Westminster Ave. Suite A  
City/State/Zip: Alhambra, CA 91803  
Phone: 626.281.6220

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Signature Date:   
CEA/HERS Certification Identification (if applicable):   
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Responsible Designer Name: Abby Banerjee  
Company: Building Solutions Group  
Address: 1139 Westminster Ave. Suite A  
City/State/Zip: Alhambra, CA 91803  
Phone: 626.281.6220

Responsible Designer Signature:

Date Signed:   
License: M29253  
Phone: 626.281.6220

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/> January 2020









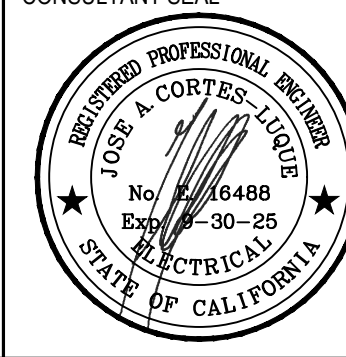
900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100  
FAX: 626.979.5320

CONSULTANT



ARCHITECT SEAL

CONSULTANT SEAL



**BID SET**

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER

UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME

CAMP AFFLERBAUGH  
CCTV SYSTEM

FACILITY NAME

CAMP AFFLERBAUGH

PROJECT ADDRESS

6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

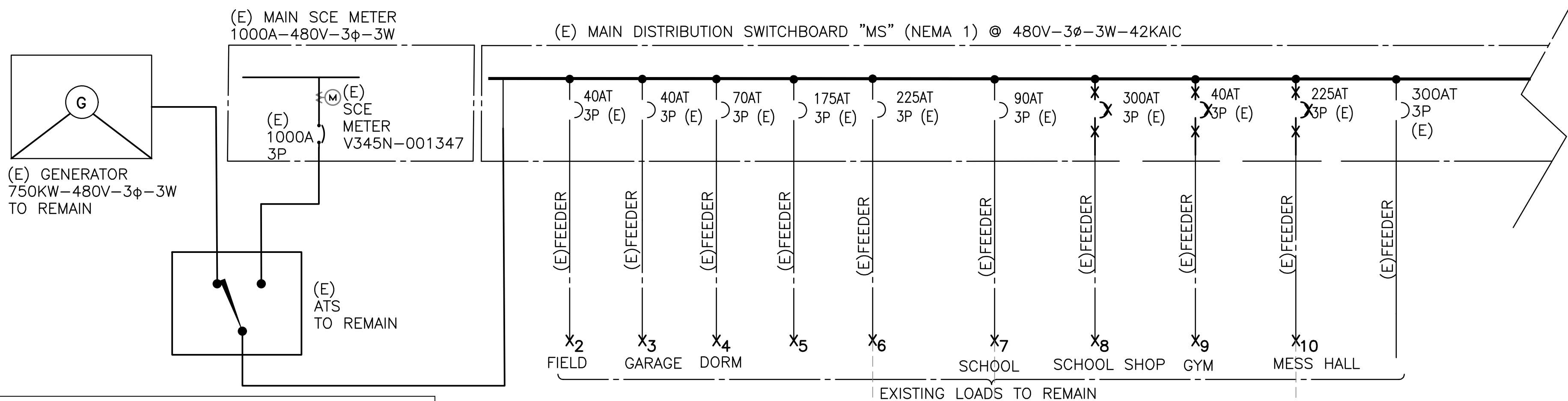
SHEET TITLE

SINGLE LINE  
DIAGRAM, DETAILS  
& PANEL  
SCHEDULES

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701

PERMIT NO.

**E002**



# GENERAL NOTES:

- FEEDERS LENGTH INDICATED ON THE DRAWINGS ARE FOR CALCULATIONS PURPOSE ONLY. CONTRACTOR SHALL NOT USE THE INDICATED LENGTH FOR BIDDING.

# REFERENCE NOTES

- REPLACE EXISTING PANEL WITH NEW PANEL AT SAME LOCATION. RECONNECT EXISTING FEEDER AND ALL EXISTING BRANCH CIRCUITS.
- ALL CIRCUIT BREAKERS IN THIS PANEL SHALL HAVE A SHORT CIRCUIT INTERRUPTING RATING OF MINIMUM 10,000A, AND THE PANEL SHALL HAVE A BRACING RATING OF 10,000A MINIMUM.
- ADD NEW 100A-3P CIRCUIT BREAKER IN EXISTING PANEL/SWB.

# ELECTRICAL SERVICE "MS" LOAD CALCULATION

EXISTING PEAK DEMAND OF EXISTING 1000A SERVICE	251 KW	AT 0.8P.F.	314 KVA
NEW CCTV SYSTEM PROJECTED LOAD WITH EXPANSION	60		60
			374
30% SPARE CAPACITY REQUIRED BY THE COUNTY			112
TOTAL PROJECTED LOAD			
		KVA	486
	TOTAL AMPS	277/480V-3PH-4W	584.4

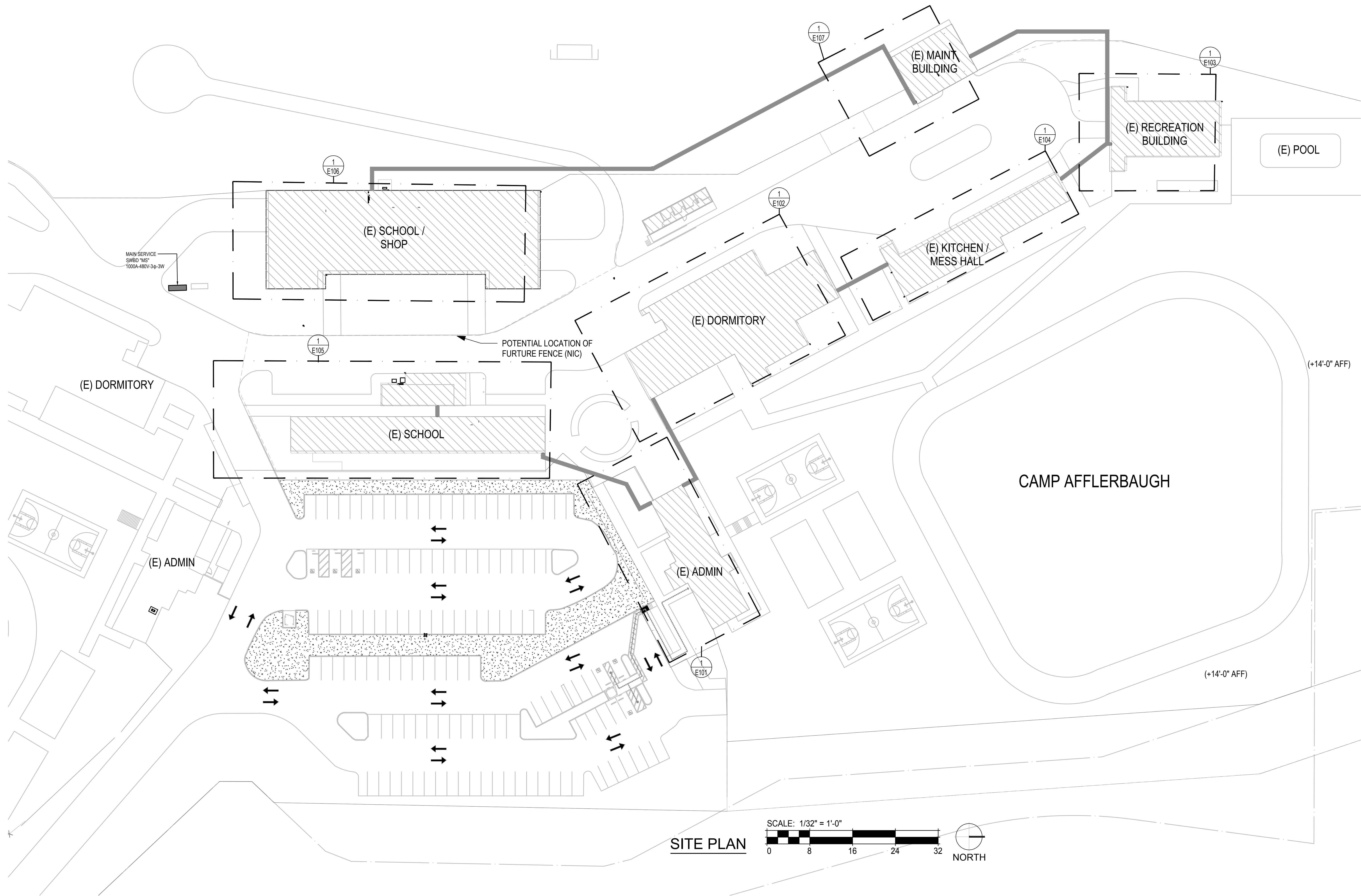
(E) PANEL "DPA"														
Panel:		MISC										Amps:	100	
Main:		CIRCUIT BREAKER										Amps:	120/208V	
OC Device:		SURFACE										Phase:	3	
Enclosure:												Wires:	4	

Ckt	Description	Load Type	Load (VA)	OC Device		Phase	OC Device		Load (VA)	Load Type	Description	Ckt
				Amps	Poles		Amps	Poles				
1	(E) AIR COND. MAIN CONTROL	HVAC	1200	20	2	A	20	2	1200	HVAC	(E) AIR CONDITIONING	2
3	WCKT. #1	HVAC	1200	-	-	B	-	-	1200	HVAC	WCKT. #2	4
5	(E) AIR COND. SEC. OFFICE	HVAC	1200	20	2	C	20	2	1200	HVAC	(E) AIR CONDITIONING	6
7	WCKT. #5	HVAC	1200	-	-	A	-	-	1200	HVAC	WCKT. #6	8
9	(E) AIR CONDITIONING	HVAC	1200	20	2	B	20	2	1200	HVAC	(E) AIR CONDITIONING	10
11	WCKT. #9	HVAC	1200	-	-	C	-	-	1200	HVAC	WCKT. #10	12
13	(E) AIR CONDITIONING	HVAC	1200	20	2	A	20	2	1200	HVAC	(E) AIR CONDITIONING	14
15	WCKT. #13	HVAC	1200	-	-	B	-	-	1200	HVAC	WCKT. #14	16
17 N	NEW WORKSTATION DIRECTOR'S OFFICE	REC	360	20	1	C	20	1	500	REC	(E) LOAD	18
19 N	NEW WORKSTATION DIRECTOR'S OFFICE	REC	360	20	1	A	15	1	500	REC	(E) LOAD	20
21 N	NEW WORKSTATION DIRECTOR'S OFFICE	REC	360	20	1	B	30	1	180	REC	ADMIN BUILDING IDF	22 N
23	NEW WORKSTATION DIRECTOR'S OFFICE	SPACE				C	20	1	180	REC	ADMIN BUILDING IDF	24 N

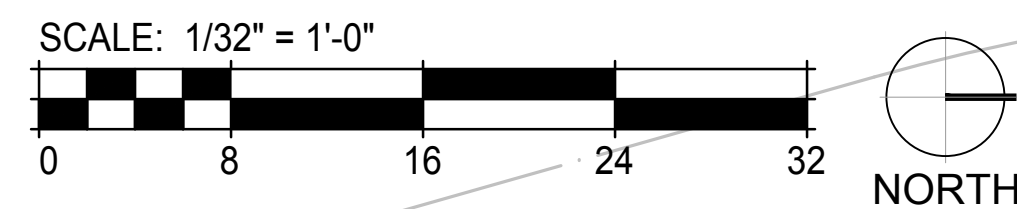
NEW PANEL "PITA"										Amps: 125				
Main: 100A-3P MAIN CB										Volts: 120/208V				
OC Device: CIRCUIT BREAKER										Phase: 3				
Enclosure: SURFACE										Wires: 4				
Ckt	Description	Load Type	Load (VA)	OC Device	Amps	Poles	Phase	OC Device	Amps	Poles	Load (VA)	Load Type	Description	Ckt
1	IT RACK OUTLET	EQUIP	1500	30	2	A	20	1	180	REC	CONDENSATE PUMP			2
3	W/ CKT. #1	EQUIP	1500	--	--	B	20	1	360	MISC	ROOF SERVICE REC			4
5	IT RACK OUTLET	EQUIP	1500	30	2	C	20	1			SPARE			6
7	W/ CKT. #5	EQUIP	1500	--	--	A	20	1			SPARE			8
9	IT RACK OUTLET	EQUIP	360	20	1	B	20	1			SPARE			10
11	IT RACK OUTLET	EQUIP	360	20	1	C	20	1			SPARE			12
13	IT RACK OUTLET	EQUIP	360	20	1	A	20	1			SPARE			14
15	IT RACK OUTLET	EQUIP	360	20	1	B	20	1			SPARE			16
17	IT RACK OUTLET	EQUIP	360	20	1	C	20	1			SPARE			18
19	IT RACK OUTLET	EQUIP	360	20	1	A	20	1			SPARE			20
21	IT RACK OUTLET	EQUIP	360	20	1	B	20	1			SPARE			22
23	SPARE		20	1	C	20	1				SPARE			24
25	NEW IT ROOM HVAC CU-1	HVAC	4056	36	2	A	20	1			SPARE			26
27	W/ CKT. #25	HVAC	4056	--	--	B	20	1			SPARE			28
29	SPARE		20	1	C	20	1				SPARE			30
31	SPACE										SPACE			32
33	SPACE						B				SPACE			34
35	SPACE						C				SPACE			36
37	SPACE						A				SPACE			38
39	SPACE						B				SPACE			40
41	SPACE						C				SPACE			42
CONNECTED LOAD PER PHASE (VA):														
			A: 7,956			B: 6,996			C: 2,220			LCL: 8,652		
TOTAL CONNECTED LOAD			17,172	VA		48 Amps								
WITH 25% LCL			19,335	VA		54 Amps								
Remarks:														
M: PROVIDE MULTI BREAKER TIE TO CIRCUIT BREAKERS SHARING NEUTRAL														
S: SHUNT BY-PASS CIRCUIT CONTROLLER BY ANSUL PANEL														
T: CIRCUIT CONTROLLED BY ASTRONOMICAL TIMECLOCK														

(E) PANEL "B"										Amps: 225		
Main: 200A MAIN CB										Volts: 120/208V		
OC Device: CIRCUIT BREAKER										Phase: 3		
Enclosure: SURFACE										Wires: 4		
Ckt	Description	Load Type	Load (VA)	OC Device		Phase	OC Device		Load (VA)	Load Type	Description	Ckt
1	(E) UNIT #1		30	3	A	30	3				UNIT #2	2
3	WCKT. #1		-	-	B	-	-				WCKT. #2	4
5	WCKT. #1		-	-	C	-	-				WCKT. #2	6
7	(E) UNIT #3		30	3	A	30	3				UNIT #4	8
9	WCKT. #7		-	-	B	-	-				WCKT. #8	10
11	WCKT. #7		-	-	C	-	-				WCKT. #8	12
13	(E) UNIT #5		30	3	A	30	3				UNIT #6	14
15	WCKT. #13		-	-	B	-	-				WCKT. #14	16
17	WCKT. #13		-	-	C	-	-				WCKT. #14	18
19	(E) LOAD		30	2	A	30	2				(E) LOAD	20
21	(E) LOAD		-	-	B	-	-				(E) LOAD	22
23	(E) LOAD		20	1	C	20	1				(E) ROOM 14	24
25	NEW PANEL "PITA"	MISC	7906	100	3	A	20	1			(E) ROOM 14	26
27	W/ CKT. #25	MISC	6098	-	-	B	20	1			(E) ROOM 14	28
29	W/ CKT. #25	MISC	2220	-	-	C	20	1			(E) COPY MACH ROOM	30 R
						A						
						B						
						C						
						A						
						B						
						C						
CONNECTED LOAD PER PHASE (VA):												
			A: 7,956			B: 6,996			C: 2,220	LCL:		
TOTAL CONNECTED LOAD			17,172	VA		48	Amps					
WITH 25% LCL			17,172	VA		48	Amps					
Remarks:												
M:	PROVIDE MULTI BREAKER TIE TO CIRCUIT BREAKERS SHARING NEUTRAL											
S:	SHUNT BY-PASS CIRCUIT CONTROLLER BY ANGUL PANEL											
R:	RECONNECT EXISTING LOADS TO THIS CIRCUIT, MATCHING ORIGNAL											





SITE PLAN



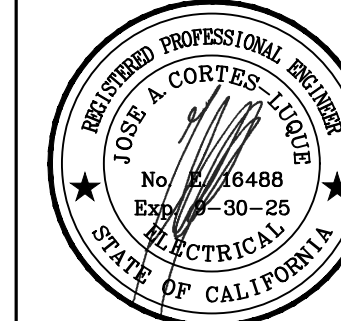
900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100  
FAX: 626.979.5320

CONSULTANT



ARCHITECT SEAL

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**BID SET**

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLANCHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME  
CAMP AFFLERBAUGH  
CCTV SYSTEM

FACILITY NAME  
CAMP AFFLERBAUGH

PROJECT ADDRESS  
6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

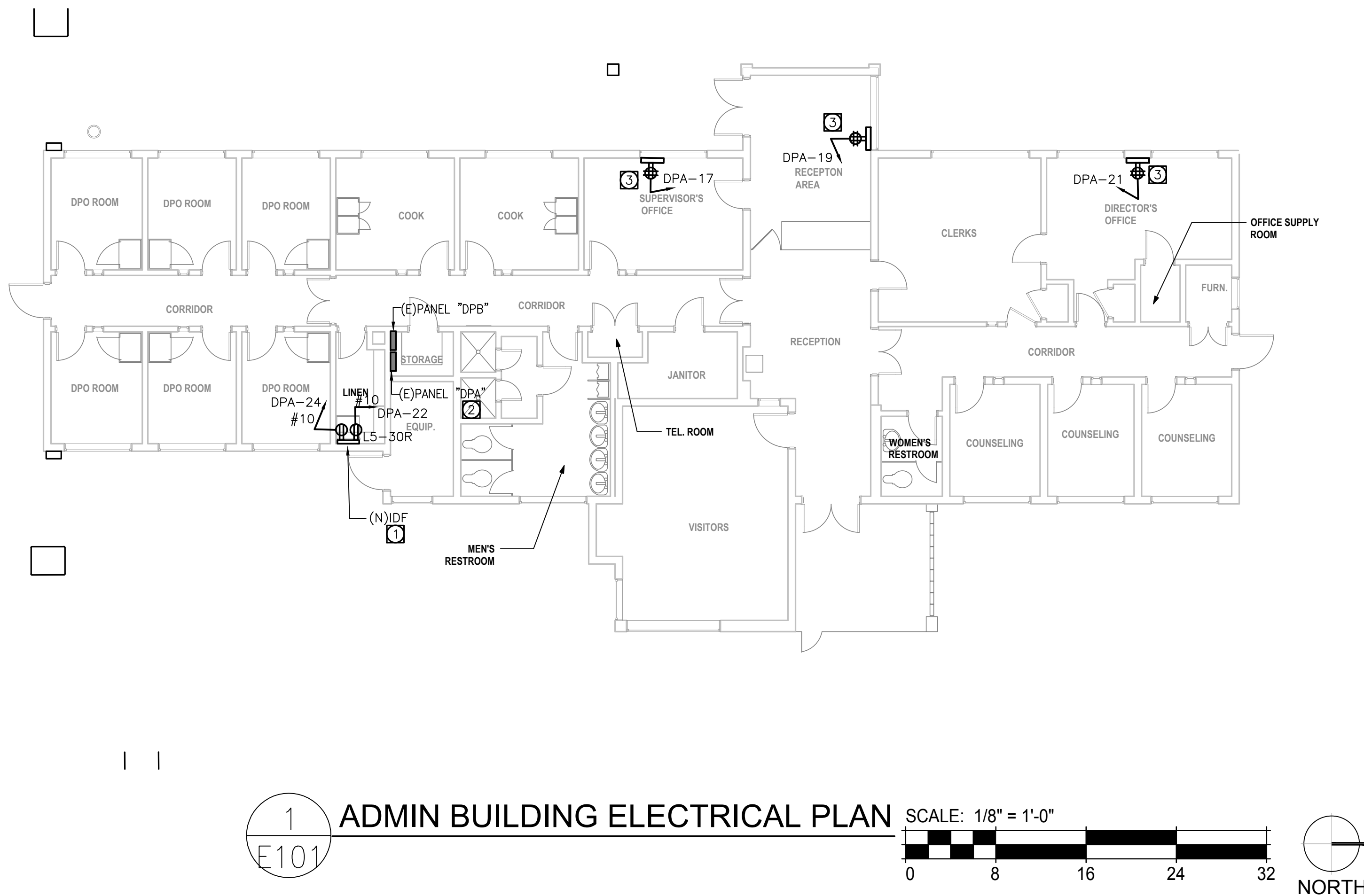
SHEET TITLE

OVER ALL SITE PLAN

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701  
SCALE: 1/32" = 1'-0" PERMIT NO.

**E100**





GENERAL NOTES

1. VISIT AND INVESTIGATE THE SITE AND VERIFY EXACT CONDITIONS RELATING TO WORK AND OBTAIN SUCH INFORMATION AS MAY BE NECESSARY TO PROVIDE AN INTELLIGENT AND CONCLUSIVE BID. NO ALLOWANCE WILL BE MADE FOR ANY EXTRA EXPENSE DUE TO FAILURE TO MAKE SUCH AN INVESTIGATION.
2. ALL CONDUITS SHALL BE RUN WITH A GROUND WIRE SIZE AS PER NEC -250.
3. SEE ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF THE EQUIPMENT AND POWER NEEDS.
4. SEE SECURITY CONSULTANT DRAWINGS AND PROVIDE ALL THE POWER OUTLETS INDICATED THERE TO POWER THE RACKS. COORDINATE EXACT LOCATION AND RATING OF THE NEW RACKS POWER OUTLETS WITH THE SECURITY SYSTEM CONSULTANT AND INSTALLER.

REFERENCE NOTES

1. NEW SECURITY EQUIPMENT POWER DUPLEX OUTLET. 30A-120V NEMA L5-30R VERIFY LOCATION WITH EQUIPMENT INSTALLER. INSTALL OUTLET INSIDE THE IDF CABINET. VERIFY EXACT TYPE OF OUTLET BEFORE INSTALLATION WITH EQUIPMENT SUPPLIER.
2. ADD NEW 30A-1P CIRCUIT BREAKER TO MATCH EXISTING AT INDICATED POSITION ON THIS EXISTING PANEL.
3. NEW 20A-1P OUTLET. VERIFY EXACT LOCATION ON THE FIELD.



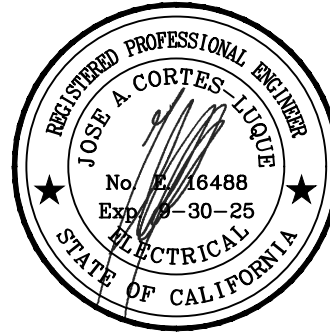
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CONSULTANT



ARCHITECT SEAL

CONSULTANT SEAL



BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLANCHHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER:  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME  
CAMP AFFLERBAUGH  
CCTV SYSTEM

FACILITY NAME  
CAMP AFFLERBAUGH

PROJECT ADDRESS  
6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

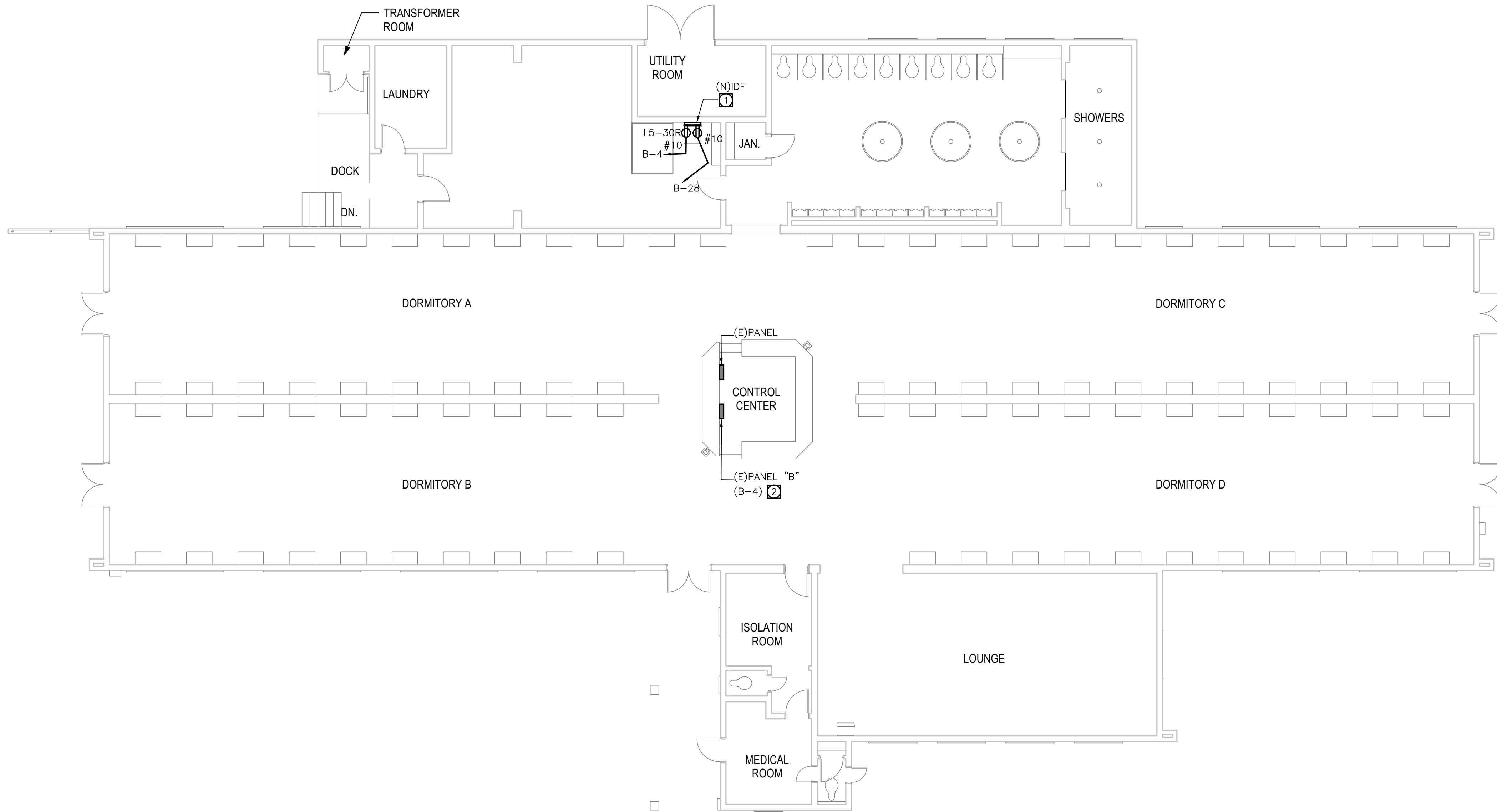
SHEET TITLE  
POWER PLAN -  
ADMIN BUILDING

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701

SCALE: 1/8" = 1'-0" PERMIT NO.

E101





1  
E102

BOYS DORMITORY ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

08162432

NORTH

GENERAL NOTES

1. VISIT AND INVESTIGATE THE SITE AND VERIFY EXACT CONDITIONS RELATING TO WORK AND OBTAIN SUCH INFORMATION AS MAY BE NECESSARY TO PROVIDE AN INTELLIGENT AND CONCLUSIVE BID. NO ALLOWANCE WILL BE MADE FOR ANY EXTRA EXPENSE DUE TO FAILURE TO MAKE SUCH AN INVESTIGATION.
2. ALL CONDUITS SHALL BE RUN WITH A GROUND WIRE SIZE AS PER NEC -250. FOR THIS SCOPE #12 GROUND EQUIPMENT GROUND IS CODE COMPLIANT.
3. RUN BRANCH CIRCUIT USING METALLIC SURFACE RACEWAY V700 FROM WIREMOLD COLOR WHITE PAINTED TO MATCH WALLS.

REFERENCE NOTES

1. NEW SECURITY EQUIPMENT POWER DUPLEX OUTLET, 30A-120V NEMA L5-30R VERIFY LOCATION WITH EQUIPMENT INSTALLER. INSTALL OUTLET INSIDE THE IDF CABINET. VERIFY EXACT TYPE OF OUTLET BEFORE INSTALLATION WITH EQUIPMENT SUPPLIER.
2. ADD NEW 30A-1P CIRCUIT BREAKER TO MATCH EXISTING AT INDICATED POSITION ON THIS EXISTING PANEL.

HZ

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ZOLLARS

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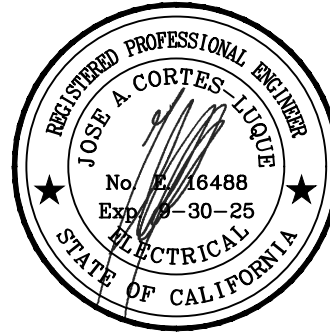
900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100  
FAX: 626.979.5320

CONSULTANT



ARCHITECT SEAL

CONSULTANT SEAL



BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME  
CAMP AFFLERBAUGH  
CCTV SYSTEM

FACILITY NAME  
CAMP AFFLERBAUGH

PROJECT ADDRESS  
6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

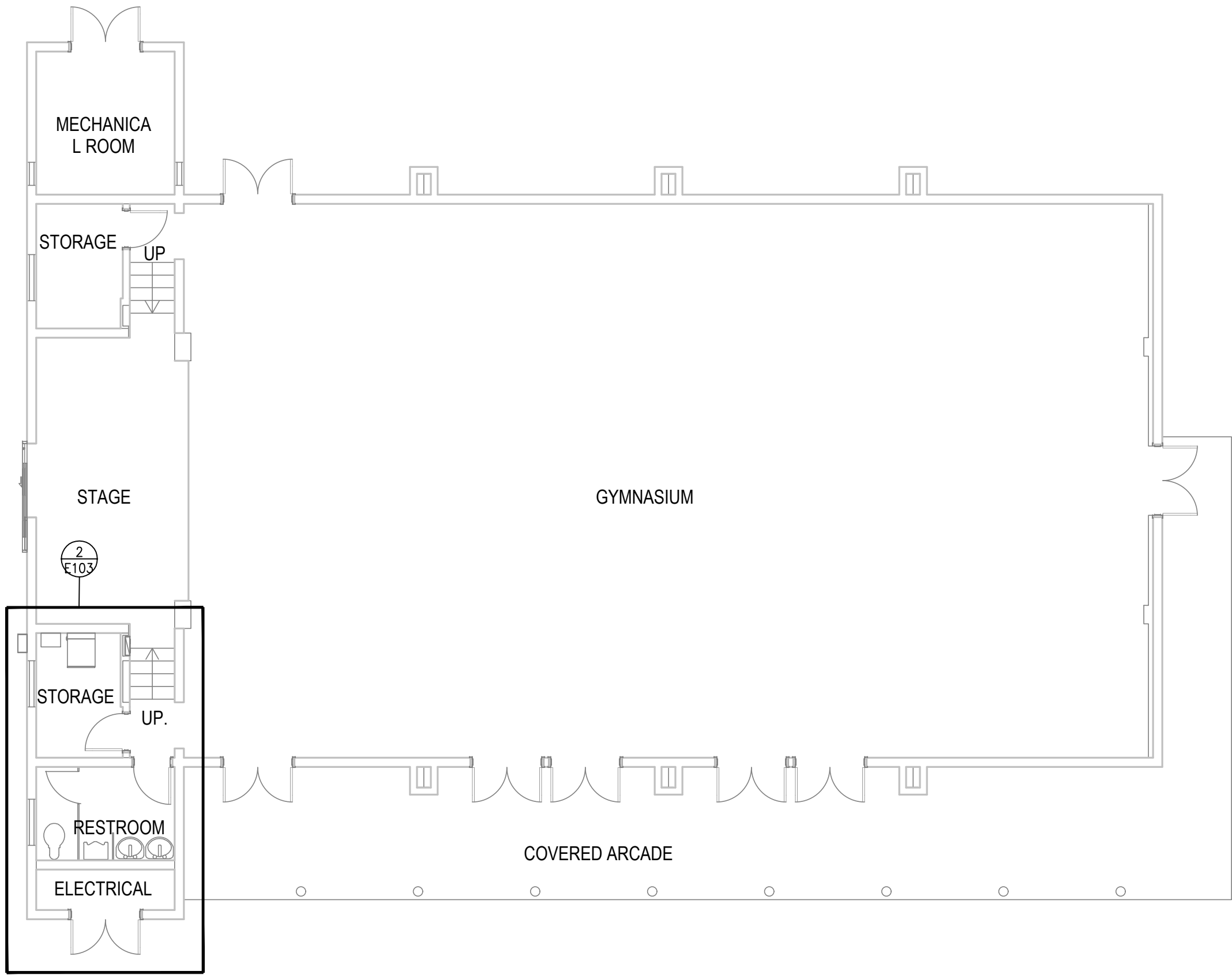
SHEET TITLE  
POWER PLAN -  
DORMITORY

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701

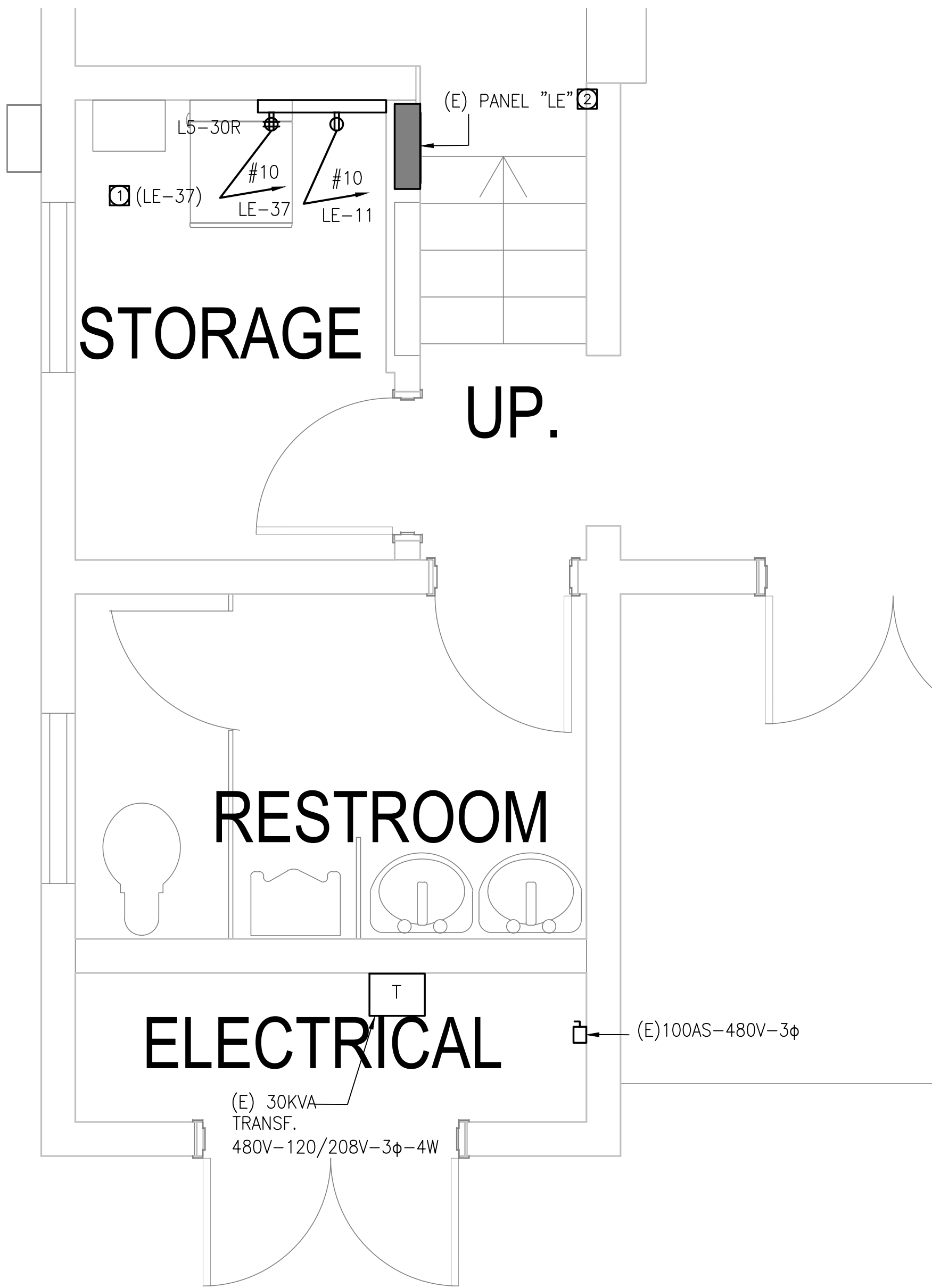
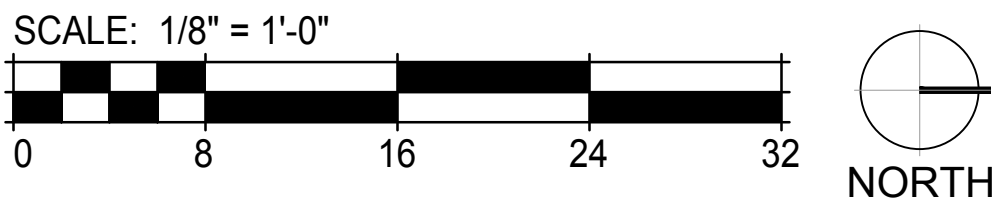
PERMIT NO.

E102

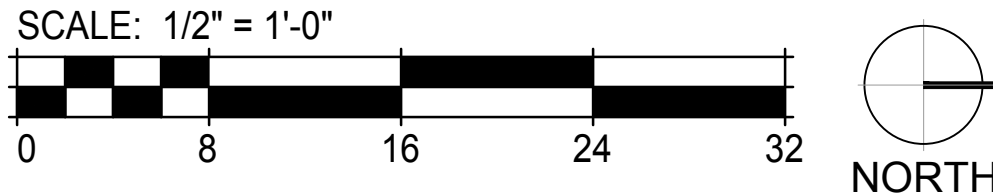




1 EXISTING GYM ELECTRICAL PLAN  
E103



2 ENLARGED GYM ELECTRICAL PLAN  
E103



GENERAL NOTES

1. VISIT AND INVESTIGATE THE SITE AND VERIFY EXACT CONDITIONS RELATING TO WORK AND OBTAIN SUCH INFORMATION AS MAY BE NECESSARY TO PROVIDE AN INTELLIGENT AND CONCLUSIVE BID. NO ALLOWANCE WILL BE MADE FOR ANY EXTRA EXPENSE DUE TO FAILURE TO MAKE SUCH AN INVESTIGATION.
2. ALL CONDUITS SHALL BE RUN WITH A GROUND WIRE SIZE AS PER NEC -250. FOR THIS SCOPE #12 GND EQUIPMENT GROUND IS CODE COMPLIANT.
3. RUN BRANCH CIRCUIT USING METALLIC SURFACE RACEWAY V700 FROM WIREMOLD COLOR WHITE PAINTED TO MATCH WALLS.

REFERENCE NOTES

- 1 NEW SECURITY EQUIPMENT POWER DUPLEX OUTLET, 30A-120V NEMA LS-30R VERIFY LOCATION WITH EQUIPMENT INSTALLER. INSTALL OUTLET INSIDE THE IDF CABINET. VERIFY EXACT TYPE OF OUTLET BEFORE INSTALLATION WITH EQUIPMENT SUPPLIER.
- 2 ADD NEW 30A-1P CIRCUIT BREAKER TO MATCH EXISTING AT INDICATED POSITION ON THIS EXISTING PANEL.



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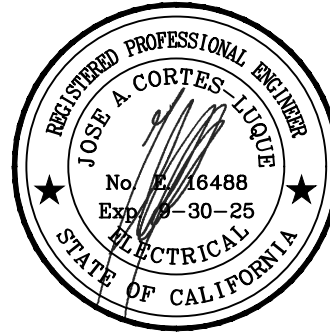
900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100  
FAX: 626.979.5320

CONSULTANT



ARCHITECT SEAL

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BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME  
CAMP AFFLERBAUGH  
CCTV SYSTEM

FACILITY NAME  
CAMP AFFLERBAUGH

PROJECT ADDRESS  
6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

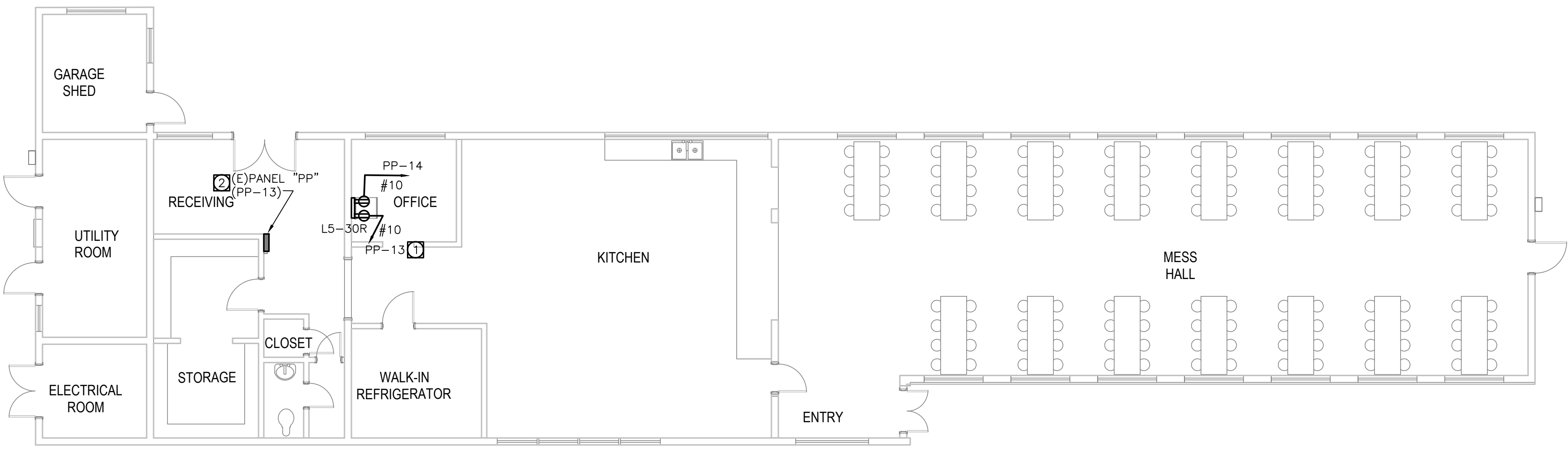
SHEET TITLE  
POWER PLAN- GYM

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701

PERMIT NO.

E103

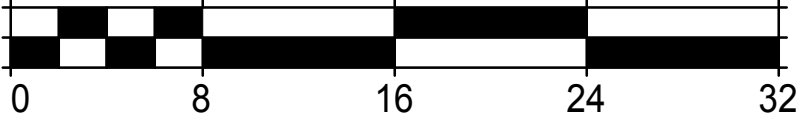




1  
E104

EXISTING KITCHEN ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"



GENERAL NOTES

1. VISIT AND INVESTIGATE THE SITE AND VERIFY EXACT CONDITIONS RELATING TO WORK AND OBTAIN SUCH INFORMATION AS MAY BE NECESSARY TO PROVIDE AN INTELLIGENT AND CONCLUSIVE BID. NO ALLOWANCE WILL BE MADE FOR ANY EXTRA EXPENSE DUE TO FAILURE TO MAKE SUCH AN INVESTIGATION.
2. ALL CONDUITS SHALL BE RUN WITH A GROUND WIRE SIZE AS PER NEC -250. FOR THIS SCOPE #12 GRD EQUIPMENT GROUND IS CODE COMPLIANT.
3. RUN BRANCH CIRCUIT USING METALLIC SURFACE RACEWAY V700 FROM WIREMOLD COLOR WHITE PAINTED TO MATCH WALLS.

REFERENCE NOTES

- 1 NEW SECURITY EQUIPMENT POWER DUPLEX OUTLET, 30A-120V NEMA L5-30R VERIFY LOCATION WITH EQUIPMENT INSTALLER. INSTALL OUTLET INSIDE THE IDF CABINET. VERIFY EXACT TYPE OF OUTLET BEFORE INSTALLATION WITH EQUIPMENT SUPPLIER.
- 2 ADD NEW 30A-1P CIRCUIT BREAKER TO MATCH EXISTING AT INDICATED POSITION ON THIS EXISTING PANEL.

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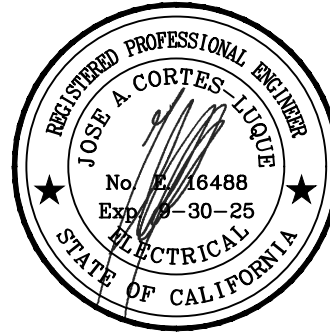
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ALHAMBRA, CA 91803  
TEL: 626.458.5100  
FAX: 626.979.5320

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ARCHITECT SEAL

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**BID SET**

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK	05/03/2024
2	BID SET	11/11/2024

AGENCY APPLICATION NUMBER  
**UNC-MECH240510001771**

AGENCY APPROVAL STAMP

PROJECT NAME  
**CAMP AFFLERBAUGH  
CCTV SYSTEM**

FACILITY NAME  
**CAMP AFFLERBAUGH**

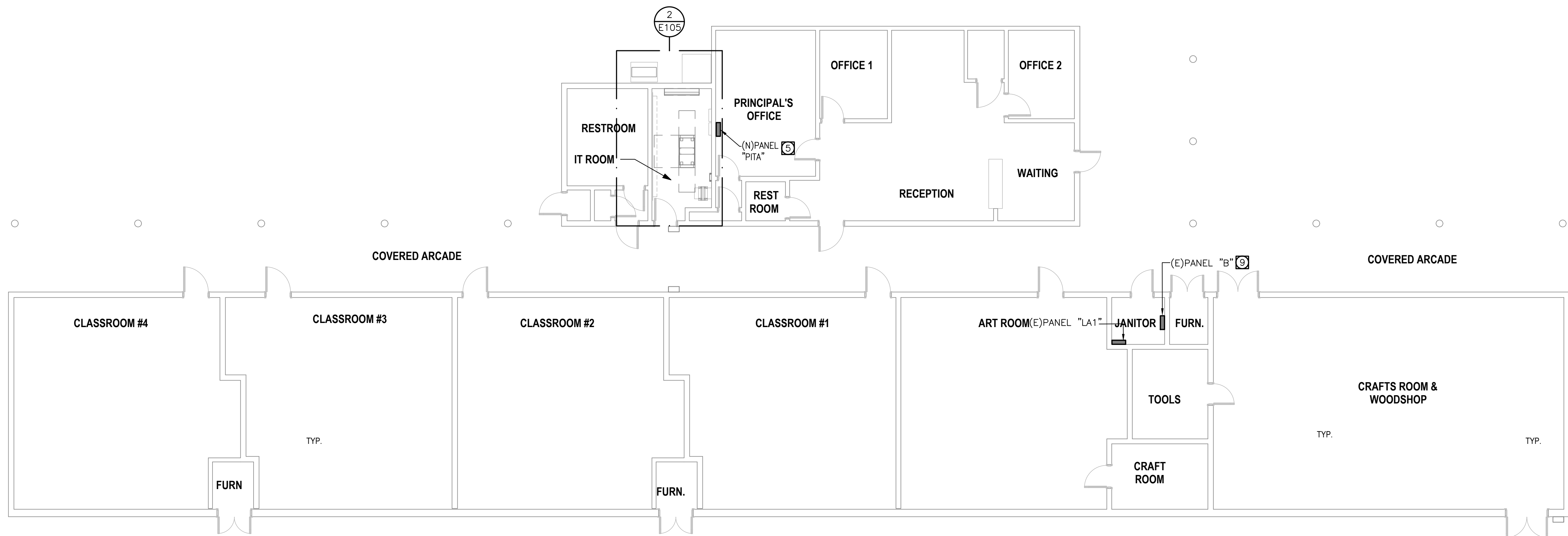
PROJECT ADDRESS  
**6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750**

SHEET TITLE  
**POWER PLAN-  
KITCHEN**

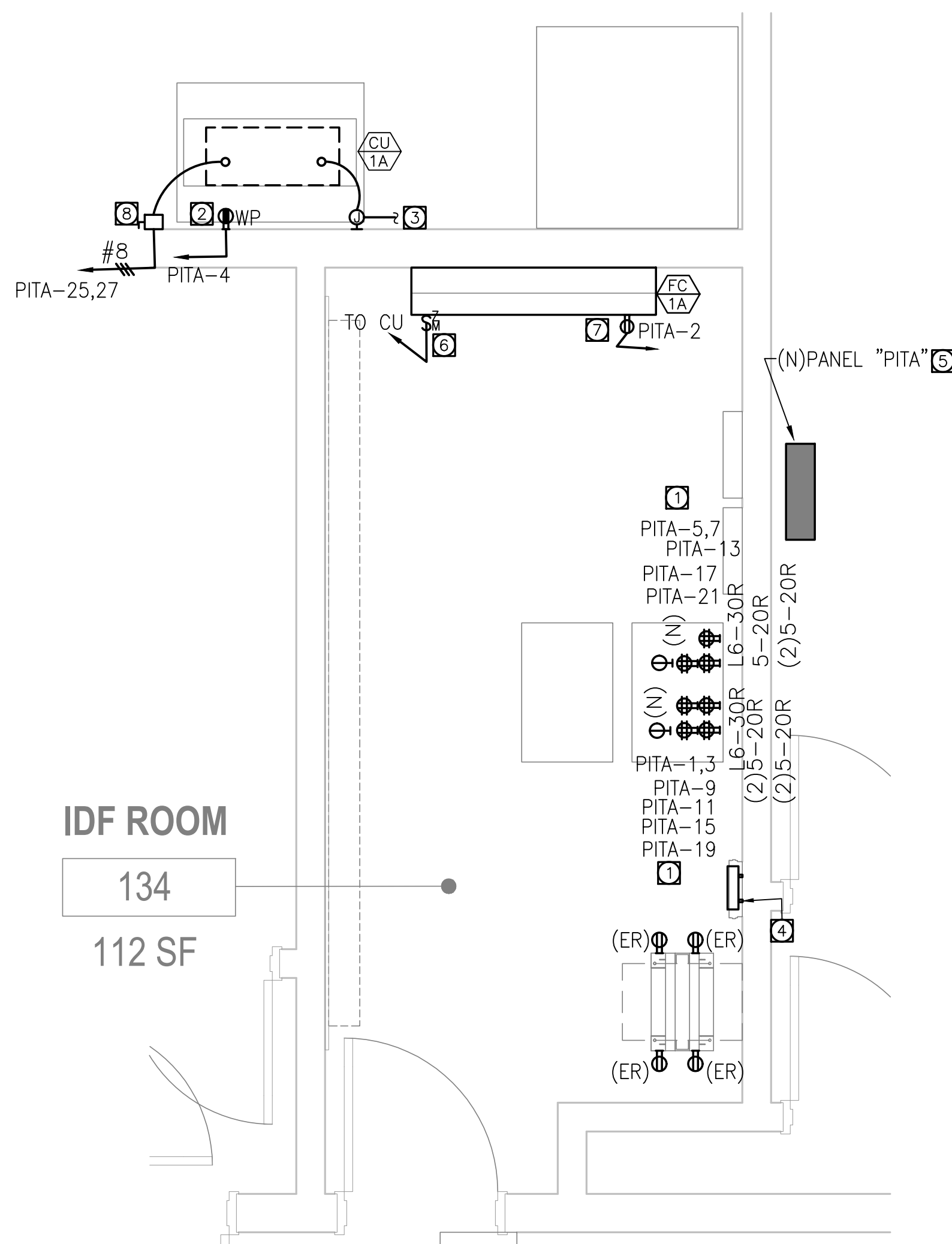
HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701  
PERMIT NO.

**E104**





1 SCHOOL ELECTRICAL PLAN  
E105



2 SCHOOL IDF ROOM ENLARGED PLAN  
E105  
SCALE: 1/2" = 1'-0"

GENERAL NOTES

1. VISIT AND INVESTIGATE THE SITE AND VERIFY EXACT CONDITIONS RELATING TO WORK AND OBTAIN SUCH INFORMATION AS MAY BE NECESSARY TO PROVIDE AN INTELLIGENT AND CONCLUSIVE BID. NO ALLOWANCE WILL BE MADE FOR ANY EXTRA EXPENSE DUE TO FAILURE TO MAKE SUCH AN INVESTIGATION.
2. ALL CONDUITS SHALL BE RUN WITH A GROUND WIRE SIZE AS PER NEC -250. FOR THIS SCOPE #12 GND EQUIPMENT GROUND IS CODE COMPLIANT.
3. RUN BRANCH CIRCUIT USING METALLIC SURFACE RACEWAY V700 FROM WIREMOLD COLOR WHITE PAINTED TO MATCH WALLS.

REMODEL REFERENCE NOTES

1. NEW SECURITY EQUIPMENT POWER OUTLETS. VERIFY LOCATION & RATING WITH EQUIPMENT DESIGNER.
2. OUTDOOR GFLWP POWER SERVICE OUTLET FOR HVAC UNIT. COORDINATE WITH HVAC CONTRACTOR EXACT LOCATION.
3. RUN 3/4"C. TO INDOOR FANCOIL WITH ALL CONTROL AND POWER WIRING.
4. NEW BUSBAR PER SPECS ON SECURITY DRAWINGS. CONNECT TO NEW PANEL: "PITA" GROUND BUS USING 1/2"C-1#6GND.CU.
5. NEW WALL MOUNTED SURFACE BRANCH CIRCUIT PANEL. USE UNISTRUT CHANNELS FOR INSTALLATION.
6. FAN COIL UNIT DISCONNECT SWITCH 30AS-2P-240V-15AF. COORDINATE WITH HVAC CONTRACTOR EXACT LOCATION. POWER COMING FROM OUTDOOR CONDENSING UNIT.
7. POWER OUTLET FOR CONDENSATE PUMP.
8. WALL MOUNTED DISCONNECT SWITCH 60AS-2P-240V-35AF, WP FOR HVAC UNIT. COORDINATE WITH HVAC CONTRACTOR EXACT LOCATION.
9. ADD NEW 100A-3P CIRCUIT BREAKER TO MATCH EXISTING AT INDICATED POSITION ON THIS EXISTING PANEL TO POWER NEW TELECOM PANEL.

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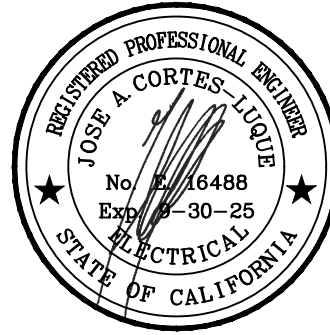
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ALHAMBRA, CA 91803  
TEL: 626.458.5100  
FAX: 626.979.5320

CONSULTANT



ARCHITECT SEAL

CONSULTANT SEAL



BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK	05/03/2024
2	BID SET	11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771  
AGENCY APPROVAL STAMP

PROJECT NAME  
CAMP AFFLERBAUGH  
CCTV SYSTEM

FACILITY NAME  
CAMP AFFLERBAUGH

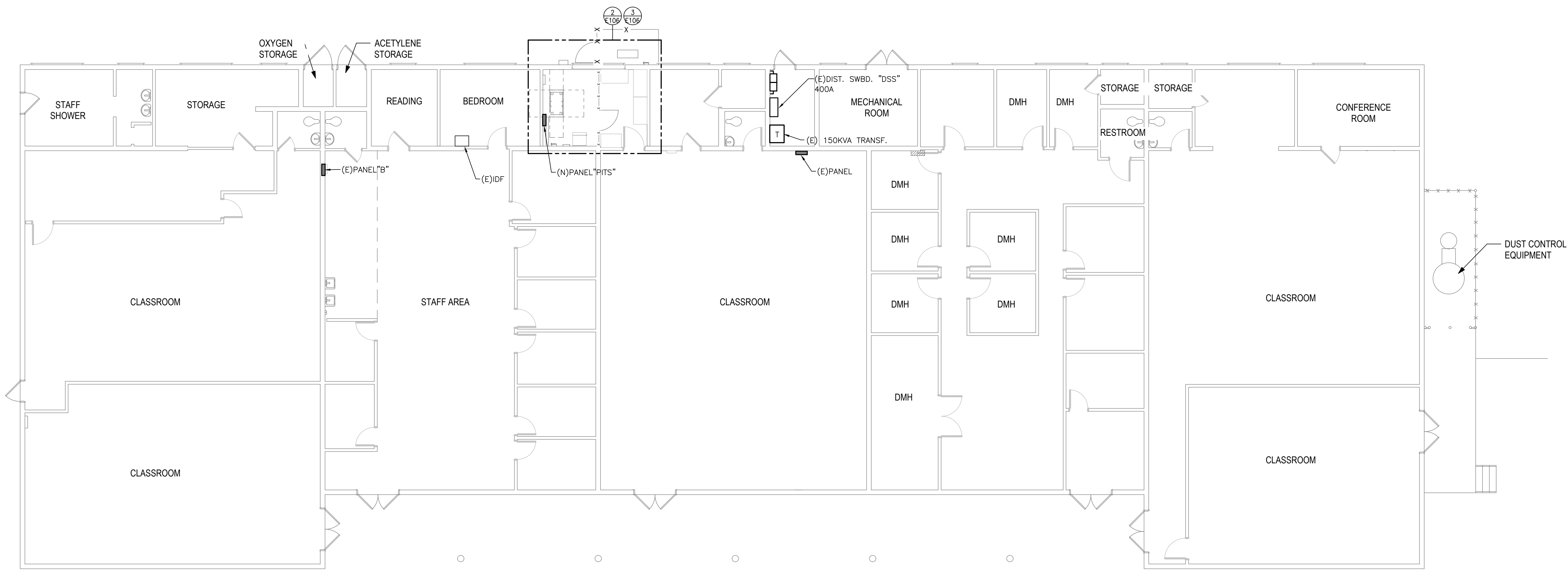
PROJECT ADDRESS  
6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

SHEET TITLE  
POWER PLAN- SCHOOL

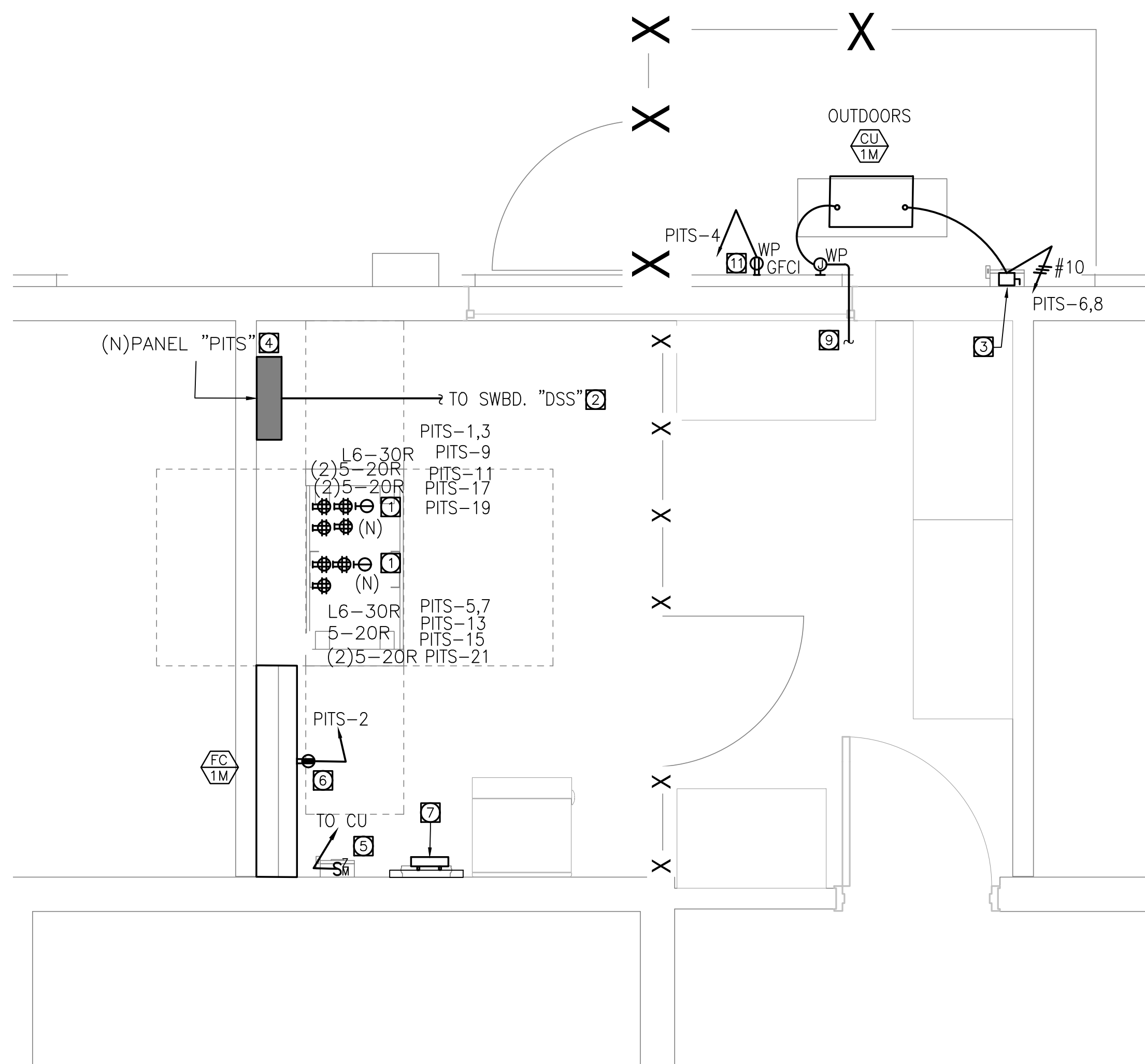
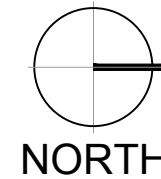
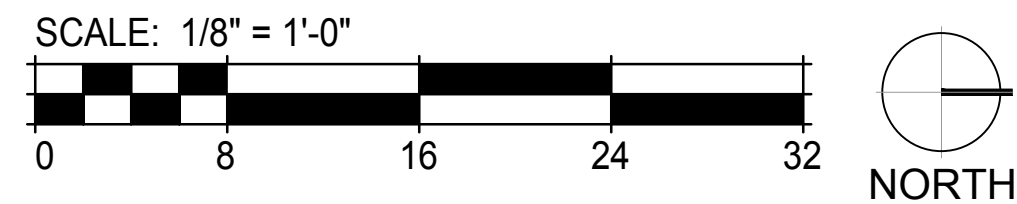
HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701  
PERMIT NO.

E105

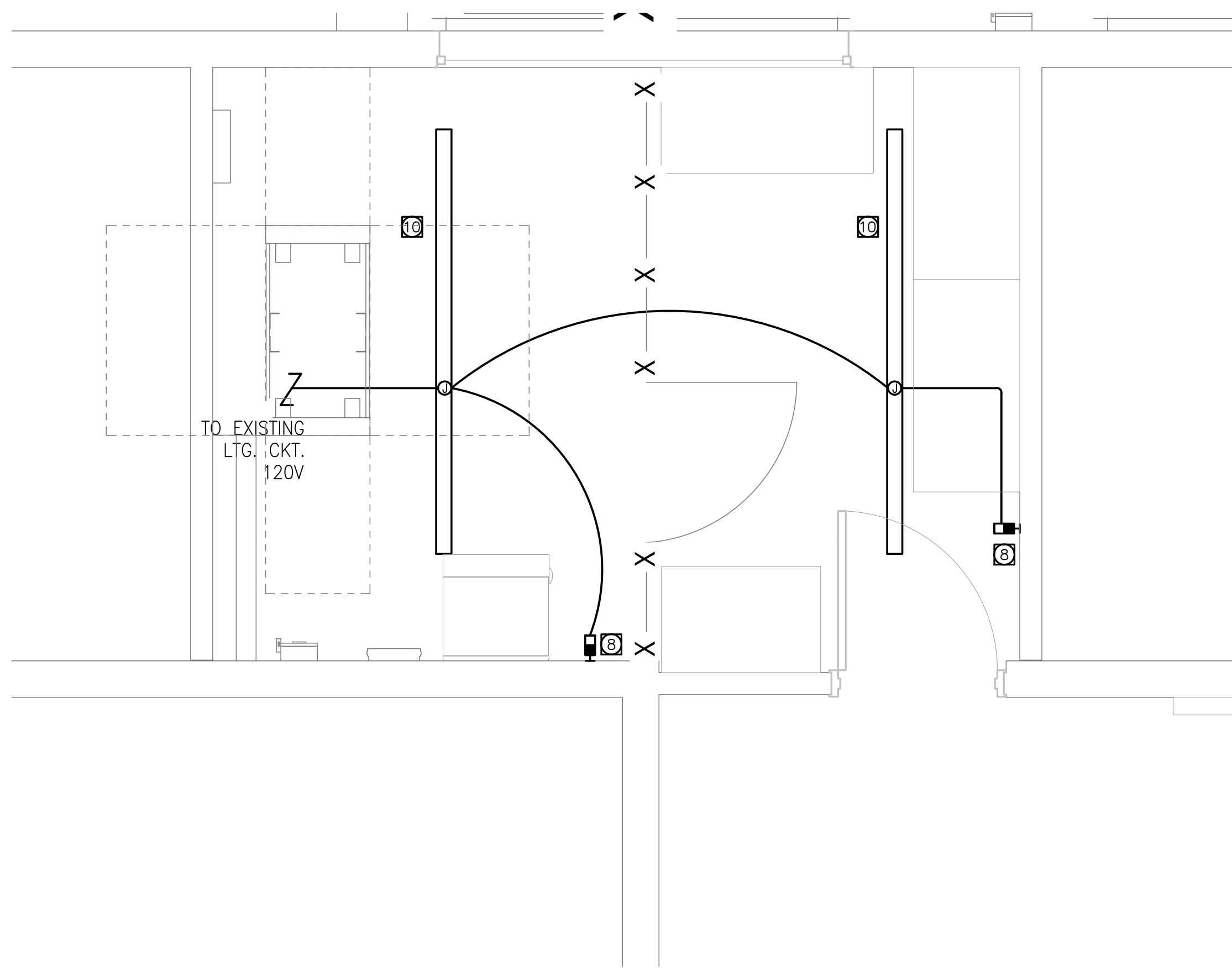
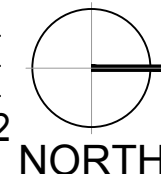
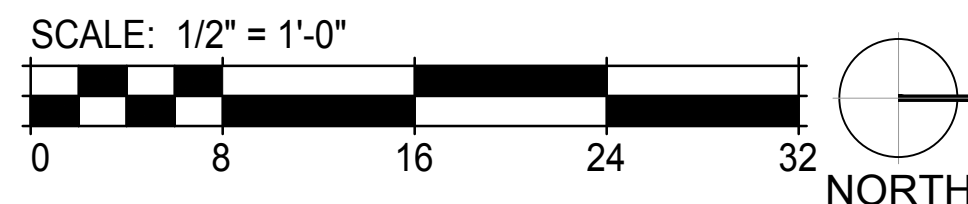




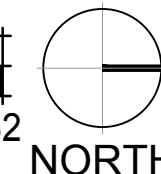
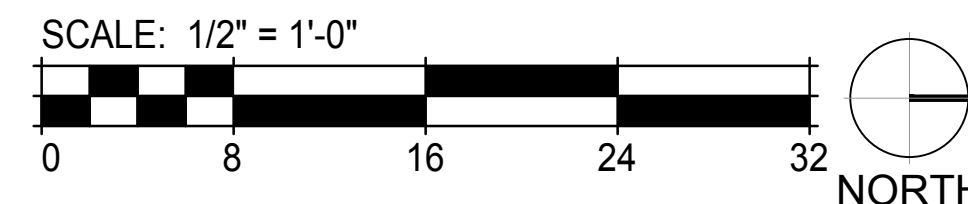
1 SCHOOL SHOP ELECTRICAL PLAN



2 ENLARGED SCHOOL SHOP PLAN  
MECHANICAL/TELECOMM ROOM POWER PLAN



3 MECHANICAL/TELECOM ROOM 1 SCHOOL  
LIGHTING PLAN



GENERAL NOTES

1. VISIT AND INVESTIGATE THE SITE AND VERIFY EXACT CONDITIONS RELATING TO WORK AND OBTAIN SUCH INFORMATION AS MAY BE NECESSARY TO PROVIDE AN INTELLIGENT AND CONCLUSIVE BID. NO ALLOWANCE WILL BE MADE FOR ANY EXTRA EXPENSE DUE TO FAILURE TO MAKE SUCH AN INVESTIGATION.
2. ALL CONDUITS SHALL BE RUN WITH A GROUND WIRE SIZE AS PER NEC -250, FOR THIS SCOPE #12 GND EQUIPMENT GROUND IS CODE COMPLIANT.
3. RUN BRANCH CIRCUIT USING METALLIC SURFACE RACEWAY V700 FROM WIREMOLD COLOR WHITE PAINTED TO MATCH WALLS.

REFERENCE NOTES

- 1 NEW SECURITY EQUIPMENT POWER OUTLETS. VERIFY LOCATION & RATING WITH EQUIPMENT DESIGNER.
- 2 RUN NEW FEEDER TO INDICATED PANEL IN ACCESSIBLE CEILING SPACE. PATCH, PAINT AND REPAIR ANY DAMAGES CREATED DURING INSTALLATION. SEE SINGLE LINE DIAGRAM FOR FEEDER SIZE.
- 3 WALL MOUNTED NEW DISCONNECT. USE UNISTRUT CHANNELS FOR INSTALLATION. DISCONNECT SWITCH FOR NEW OUTDOOR CONDENSING UNIT 60AS-2P-240V-WP WITH 35AF.
- 4 NEW WALL MOUNTED SURFACE BRANCH CIRCUIT PANEL. USE UNISTRUT CHANNELS FOR INSTALLATION.
- 5 FAN COIL UNIT DISCONNECT SWITCH 30AS-2P-240V-15AF, COORDINATE WITH HVAC CONTRACTOR EXACT LOCATION. POWER COMING FROM ROOF CONDENSING UNIT.
- 6 POWER OUTLET FOR CONDENSATE PUMP.
- 7 NEW BUSBAR PER SPECS ON SECURITY DRAWINGS. CONNECT TO NEW PANEL: "PITS" GROUND BUS USING 2" C-1#6GRD.CU.
- 8 WALL SENSOR COMBO MANUAL SWITCH. WATTSTOPPER PW-301.
- 9 RUN 3/4"C. TO INDOOR FANCOIL WITH ALL CONTROL AND POWER WIRING.
- 10 SUSPENDED 8' LINEAR LED FIXTURE 6400LM. HE WILLIAMS 76R-8'-L64-8-35K-VBY-2-120V TOTAL 43W.
- 11 OUTDOOR GFILWP POWER SERVICE OUTLET FOR HVAC UNIT. COORDINATE WITH HVAC CONTRACTOR EXACT LOCATION.

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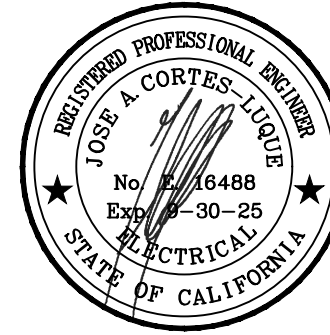
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ALHAMBRA, CA 91803  
TEL: 626.458.5100  
FAX: 626.979.5320

CONSULTANT



ARCHITECT SEAL

CONSULTANT SEAL



BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLANCHICK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME  
CAMP AFFLERBAUGH  
CCTV SYSTEM

FACILITY NAME  
CAMP AFFLERBAUGH

PROJECT ADDRESS  
6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

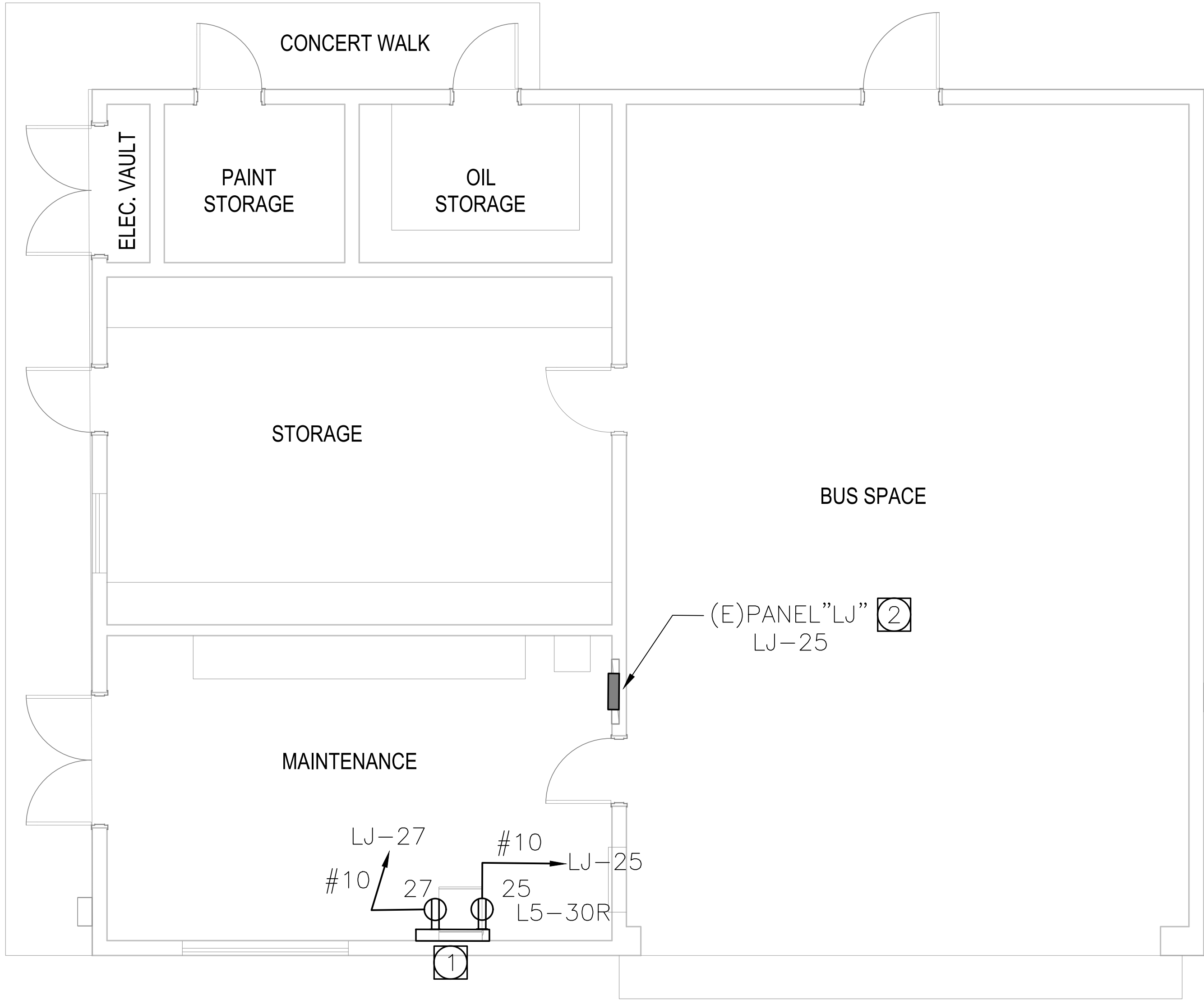
SHEET TITLE  
POWER PLAN- SCHOOL  
SHOP

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701

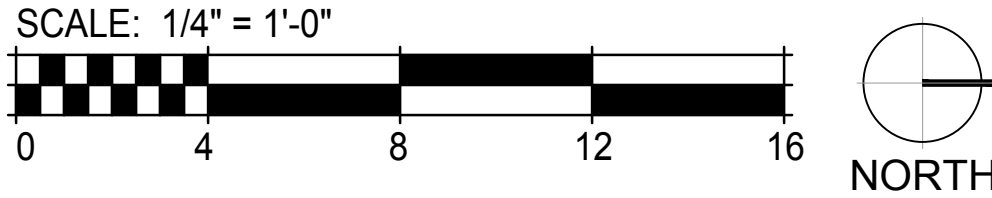
PERMIT NO.

E106





1 MAINTENANCE BUILDING ELECTRICAL PLAN  
E107



GENERAL NOTES

1. VISIT AND INVESTIGATE THE SITE AND VERIFY EXACT CONDITIONS RELATING TO WORK AND OBTAIN SUCH INFORMATION AS MAY BE NECESSARY TO PROVIDE AN INTELLIGENT AND CONCLUSIVE BID. NO ALLOWANCE WILL BE MADE FOR ANY EXTRA EXPENSE DUE TO FAILURE TO MAKE SUCH AN INVESTIGATION.
2. ALL CONDUITS SHALL BE RUN WITH A GROUND WIRE SIZE AS PER NEC -250. FOR THIS SCOPE #12 GRD EQUIPMENT GROUND IS CODE COMPLIANT.
3. RUN BRANCH CIRCUIT USING METALLIC SURFACE RACEWAY V700 FROM WIREMOLD COLOR WHITE PAINTED TO MATCH WALLS.

REFERENCE NOTES

- 1 NEW SECURITY EQUIPMENT POWER DUPLEX OUTLET, 30A-120V NEMA L5-30R VERIFY LOCATION WITH EQUIPMENT INSTALLER. INSTALL OUTLET INSIDE THE 10F CABINET. VERIFY EXACT TYPE OF OUTLET BEFORE INSTALLATION WITH EQUIPMENT SUPPLIER.
- 2 ADD NEW 30A-1P CIRCUIT BREAKER TO MATCH EXISTING AT INDICATED POSITION ON THIS EXISTING PANEL.



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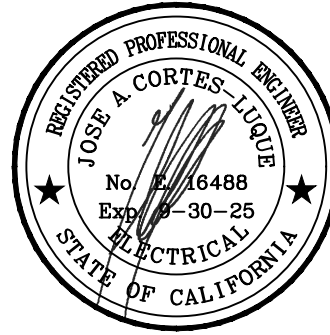
900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100  
FAX: 626.979.5320

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ARCHITECT SEAL

CONSULTANT SEAL



BID SET

ISSUED BLOCK / HISTORY LOG

NO	ISSUED	DATE
	PLAN CHECK	05/03/2024
	BID SET	11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT NAME  
CAMP AFFLERBAUGH  
CCTV SYSTEM

FACILITY NAME  
CAMP AFFLERBAUGH

PROJECT ADDRESS  
6631 STEPHENS RANCH  
ROAD  
LA VERNE, CA 91750

SHEET TITLE  
POWER PLAN-  
MAINTENANCE  
BUILDING

HZ PROJ. NO. R311608.04 LA DPW SPEC NO. 7701  
PERMIT NO.

E107



NOTES

INSTALLATION NOTES

1

ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. THE CONTRACTOR SHALL NOT INTERMIX ANY LINE VOLTAGE POWER WIRES (120VAC) WITH ANY LOW VOLTAGE SIGNAL OR CONTROL WIRES IN ANY CONDUIT.

2

VERIFY ALL FIELD DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND. VERIFY DIMENSIONS OF ALL OWNER FURNISHED EQUIPMENT & SERVICES TO ENSURE PROPER COORDINATION WITH CONSTRUCTION.

3

SCHEDULE ALL WORK, INCLUDING CONSTRUCTION ACCESS AND STORAGE, WITH THE OWNER OR THOSE DESIGNATED BY THE OWNER. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.

4

ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL EXISTING FACILITIES MUST BE MAINTAINED IN SERVICE AT ALL TIMES (IF APPLICABLE).

5

CONTRACTOR SHALL PROVIDE DUST PROTECTION AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA. BROOM CLEAN ALL AREAS EACH DAY.

6

COORDINATE WITH THE OWNER TO DETERMINE IF REMOVED ITEMS (IF APPLICABLE) WILL BE KEPT BY THE OWNER. COORDINATE A STORAGE LOCATION AND DELIVER AS DIRECTED BY THE OWNER. DISPOSAL OF OLD EQUIPMENT SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS.

7

WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC AND OCCUPANTS OF EXISTING BUILDINGS. INTERRUPTING PERSONNEL AT WORK AS A RESULT OF THIS UNDERTAKING SHALL ALWAYS BE KEPT TO A MINIMUM. CONTRACTOR SHALL PROVIDE TRAFFIC AND SAFETY SIGNS AND BARRIERS WHERE NECESSARY. NO POWER LINE IN THE BUILDING SHALL BE SHUT DOWN UNLESS REQUESTED AND APPROVED BY THE OWNER IN ADVANCE.

8

THE CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK ON PREMISES SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING, BUT NOT LIMITED TO, THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MIGHT ENDANGER VISITORS OR EMPLOYEES OF THE FACILITY. ALL ROADS AND WALKWAYS SHALL REMAIN CLEAR AND UNOBSTRUCTED. WHEN NECESSARY ALTERNATE ROUTES MUST BE MAINTAINED, SHOULD UNSAFE CONDITIONS OCCUR.

9

COORDINATION WITH OTHER CONTRACTORS:  
IF ANY PART OF THE CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE PROJECT ARCHITECT ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE TO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK EXCEPT AS TO DEFECTS WHICH DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK.

10

THE CONTRACTOR SHALL ALWAYS MAINTAIN, AT THE JOB SITE, UPDATED "RECORD" DRAWINGS. THESE DRAWINGS SHALL BE AVAILABLE TO THE ARCHITECTS, INSPECTORS OR THE OWNERS UPON REQUEST.

11

NO CABLE RUN SHALL BE SPLICED UNLESS TWO OR MORE DEVICES ARE CONNECTED TO THE SAME CIRCUIT OR THE DEVICE IS PROVIDED FROM THE FACTORY WITH PIGTAIL WIRES. WHERE SPLICING IS REQUIRED, THE SPICE SHALL BE SOLDERED AND TAPED. IT SHALL BE DONE IN EITHER A SPECIAL TERMINAL BOX, AT THE BACK BOX OR AT THE DEVICE TERMINAL LUGS. ALL SPICE BOXES MUST BE IN ACCESSIBLE AREAS AND CLEARLY MARKED ON THE RECORD DRAWINGS.

12

ALL WIRES SHALL BE COLOR CODED AND SHALL BE CONNECTED IN A UNIFORM MANNER, TRANSPOSING OR CHANGING OF COLOR CODES SHALL NOT BE PERMITTED. WIRE AND CABLE SIZES, NUMBER OF CONDUCTORS, SHIELDING OR OTHER ITEMS LISTED ON THESE DRAWINGS ARE A GUIDE TO THE CORRECT PRODUCT REQUIRED TO ACHIEVE A WORKING SYSTEM AND REPRESENT THE MINIMUM ACCEPTABLE STANDARDS. CONTRACTOR SHALL CONSULT MANUFACTURER'S RECOMMENDATION FOR CABLEING AND USE WHICHEVER IS GREATER IN QUALITY, QUANTITY, GAUGE, SHIELDING AND NUMBER OF CONDUCTORS.

13

ALL WIRING, INCLUDING SHIELDS, MUST BE FREE OF SHORTS, GROUNDS AND STRAY VOLTAGES. ALL RATED FOR WET APPLICATIONS. ALL EXPOSED SURFACE MOUNTED CABLE UNDER 12" A.F.F. SHALL BE IN CONDUIT WHERE INSTALLED IN AREAS WITHOUT CEILINGS.

14

ALL NEW CABLEING SHALL BE PLENUM-RATED. EXPOSED OR EXTERIOR CABLE SHALL BE IN CONDUIT. UNDER GROUND CABLE SHALL BE RATED FOR SUCH USE. INSTALL CABLE ON J HOOKS.

15

A PRE PRINTED VINYL MATERIAL MARKER WRAPPED IN ADHESIVE CLEAR PLASTIC SHALL BE PROVIDED TO THE FOLLOWING:  
A. CABLES WITHIN 6" UPON ENTRY AT ANY SECURITY PANEL, TERMINATION OR SPICE BOX.  
B. ALL WIRE LEADS WITHIN 2" FROM ANY TERMINAL BLOCK.  
C. THE CONTRACTOR SHALL SUBMIT SAMPLES OF MARKERS AND ANY NUMBERING OR MARKING SYSTEM FOR REVIEW PRIOR TO IMPLEMENTATION.

16

THE CONTRACTOR SHALL PROPERLY SEAL ALL CONDUIT OR SLEEVE PENETRATIONS THROUGH ALL WALLS, FLOORS AND CEILINGS USING APPROVED FIRE STOPPING MATERIALS AND SEALANTS REGARDLESS OF RATING AND AS PER APPLICABLE BUILDING CODES.

17

ALL ROUTING OF WIRING AND ANY RELATED CONDUIT IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING PRIOR TO INSTALLATION.

18

THE CONTRACTOR SHALL CLEAN AND THOROUGHLY CHECK ALL INSTALLED WORK PRIOR TO CONCEALING OF ARCHITECTURAL FINISHING. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION. THE CONTRACTOR SHALL ALSO REPAIR OR CLEAN ALL SOILED SURFACES, PAINTED SURFACES OR DAMAGED ARCHITECTURAL FINISHES TO MATCH THE ADJACENT AREA, WHERE REQUIRED. CLEANING, PATCHING OR PAINTING TO BRING THE AFFECTED SURFACE OR FINISH BACK TO ITS ORIGINAL CONDITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

19

COORDINATE ALL TELEPHONE AND DATA (LAN/WAN) INSTALLATION AND CONNECTION REQUIREMENTS WITH THE OWNERS IT DEPARTMENT REPRESENTATIVE AND THE GENERAL CONTRACTOR.

20

ALL CONDUITS AND CABLE PATHS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO THE WALLS. IF MORE THAN THREE 90 DEGREE BENDS ARE TO BE USED IN THE CONDUIT RUN, INSERT A PULL BOX. CONTRACTOR SHALL SIZE THE BOX ACCORDINGLY. CONDUITS SHALL BE SIZED AS INDICATED ON THE DRAWINGS OR LARGER AS REQUIRED TO COMPLY WITH CODE. MINIMUM ALLOWABLE CONDUIT SIZE SHALL BE 3/4".

21

WHERE THE CONTRACTOR HAS TO CHANGE ANY DEVICE TYPE OR MOUNTING TO SUIT ACTUAL CONDITIONS, THIS SHALL BE DONE WITHOUT EXTRA COST TO THE OWNERS. THIS INCLUDES ANY ADDITIONAL PART TO BE SUPPLIED BY THE CONTRACTOR TO ACCOMPLISH PROPER MOUNTING OF A DEVICE. HOWEVER, IT SHALL BE REQUESTED, SUBMITTED AND APPROVED IN WRITING BEFORE COMMENCING THE WORK.

22

PROVIDE PULL STRINGS IN ALL CONDUITS. PROVIDE BLANK COVERS ON ALL JUNCTION AND PULL BOXES.

23

THE CONTRACTOR SHALL UNDERTAKE THIS WORK IN ITS ENTIRETY IN ACCORDANCE WITH ITS DESIGN AND PURPOSE. ALL WORK SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKMANSHIP.

24

SEE ARCHITECTURAL PLANS FOR FIRE RATED WALLS.

25

INSTALL U.L. LISTED, AGENCY APPROVED WALL PENETRATIONS AT ALL CABLEING WALL PENETRATION LOCATIONS.

26

THE USE OF THE WORD "PROVIDE" IN CONNECTION WITH ANY ITEM SPECIFIED, IS INTENDED TO MEAN THAT SUCH SHALL BE FURNISHED, INSTALLED AND CONNECTED, WHERE SO REQUIRED, EXCEPT AS NOTED OTHERWISE.

27

ELECTRICAL CIRCUITS SHOWN IN THIS SET ARE FOR REFERENCE ONLY AND PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE ELECTRICAL SHEETS FOR CIRCUIT NUMBERS, CIRCUITING AND PANEL LOCATIONS.

28

SEE ARCHITECTURAL PLAN FOR EXITING.

29

IN THE EVENT OF A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, WHICHEVER IS MORE STRINGENT OR CALLS FOR THE HIGHEST QUANTITY OR QUALITY OF MATERIALS HAS PRECEDENCE.

30

PRIOR TO SUBMITTAL OF BID, NOTIFY, IN WRITING, SPECIFIED MATERIALS OR EQUIPMENT WHICH ARE EITHER UNAVAILABLE OR WILL CAUSE A DELAY IN CONSTRUCTION COMPLETION SCHEDULE.

31

ALL EXIT DOORS TO REMAIN FREE OPENING FROM EXIT SIDE. U, O, N.

32

THE CONTRACTOR SHALL INCLUDE ANY COORDINATION, RELAYS, TIMERS, NETWORK CARDS, TERMINAL STRIPS, ETC. REQUIRED FOR A COMPLETELY FUNCTIONAL INTERFACE WITH ELEVATOR CONTROLLERS, FIRE ALARM SYSTEMS, DOOR HARDWARE AND AUTOMATIC DOOR OPERATORS, WHICH EVER IS APPLICABLE.

33

THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SYMBOLS LEGEND, GENERAL NOTES, NOTES TO SHEET, DETAILS AND FLOOR PLANS IS TO PROVIDE COMPLETE TURNKEY SECURITY SYSTEMS INCLUDING ALL SOFTWARE, HARDWARE, DEVICES, WIRE, CONDUIT, BACKBOXES, JUNCTION BOXES AND WIREWAYS.

34

COORDINATE THE WORK WITH THE RELATED WORK OF OTHER TRADES INCLUDING, BUT NOT LIMITED TO, ELECTRICAL, FIRE ALARM, IT, ELEVATOR AND DOOR HARDWARE.

35

REFER TO THE DETAILS FOR ADDITIONAL INFORMATION ON THE INSTALLATION REQUIREMENTS FOR EACH DEVICE.

36

CONDUIT, BACKBOXES, JUNCTION BOXES, WIREWAYS AND WIRING SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE (CEC).

37

CONDUIT USED IN POTENTIALLY DAMP OR WET LOCATIONS, EXPOSED OUTDOORS OR IN HAZARDOUS AREAS SHALL BE INTERMEDIATE STEEL CONDUIT (IMC).

38

IN SLAB OR BURIED BELOW GRADE CONDUIT SHALL BE PVC.

39

CONDUIT OTHER THAN SPECIFIED TO BE IMC OR PVC SHALL BE ELECTRICAL METALLIC TUBING (EMT).

40

ROUTE CONDUIT ABOVE CEILINGS, BELOW FLOORS OR WITHIN WALLS; NO CONDUIT SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHITECT/OWNER.

41

SEAL CONDUIT AND WIRING PENETRATIONS THROUGH FIRE RATED PARTITIONS AS REQUIRED BY CODE.

42

PROVIDE WATER TIGHT GLAND SEALING ASSEMBLIES WITH PRESSURE BUSHING AS REQUIRED FOR EXTERIOR PENETRATIONS.

43

PROVIDE PULL STRINGS IN ALL CONDUIT.

44

CONDUIT ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO REPRESENT INSTALLED PATHS OR DISTANCES. THE INSTALLING CONTRACTOR SHALL FIELD VERIFY AND COORDINATE WITH OTHER DISCIPLINES.

45

BACKBOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE.

46

BACKBOXES MOUNTED WITHIN FIRE RATED PARTITIONS SHALL MEET THE FIRE RATING OF THE PARTITION AS REQUIRED BY CODE.

47

PROVIDE JUNCTION AND PULL BOXES AS REQUIRED BY CEC.

48

PROVIDE BLANK COVER PLATES FOR JUNCTION AND PULL BOXES.

49

JUNCTION AND PULL BOXES LOCATED IN EXPOSED ACCESSIBLE AREAS SHALL BE SECURED WITH TAMPER PROOF SCREWS.

50

BACKBOX, JUNCTION AND PULL BOXES IN EXTERIOR LOCATIONS SHALL BE WATERPROOF.

51

ROUTE WIRING WITHIN CONDUIT OR EXPOSED WITHIN WALLS, ABOVE ACCESSIBLE CEILINGS, BELOW ACCESSIBLE FLOORS, IN CABLE TRAYS OR IN RISER CLOSETS.

52

PROVIDE WIRING SUPPORTS FASTENED TO STRUCTURE IN ACCORDANCE FOR ALL WIRING NOT ROUTED IN CONDUIT OR CABLE TRAY.

ABBREVIATIONS

(E)	EXISTING
(F)	FUTURE
(N)	NEW
(R)	RELOCATED
A.F.F.	ABOVE FINISHED FLOOR
A.G.L.	ABOVE GROUND LEVEL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BKR	BREAKER
BLDG	BUILDING
B.P.	BOTTOM PLATE
C	CONDUIT
C.E.	CONTROLLER ELECTRONICS
CKT	CIRCUIT
CLG	CEILING
CONC.	CONCRETE
CONT.	CONTINUATION
DIA	DIAMETER
DIM.	DIMENSION
DPDT	DOUBLE POLE DOUBLE THROW
DWG.	DRAWING
ELECT.	ELECTRICAL
ELEV.	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
FIN.	FINISHED
FLR.	FLOOR
GRD	GROUND
Hz	HERTZ
N.I.C.	NOT IN THE CONTRACT
NO.	NUMBER
O.C.	ON CENTER
PH	PHASE (ELECTRICAL)
PNL	PANEL
PTZ	PAN TILT ZOOM
PWR	POWER
RM	ROOM
RSC	RIGID STEEL CONDUIT
SHT	SHEET
SER	SECURITY EQUIPMENT ROOM
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
WP	WEATHERPROOF

SYMBOL LEGEND

TYPICAL SYMBOLS

○

NOTES TO SHEET


DEVICE LEGEND

SYMBOL	DESCRIPTION	DETAIL	MOUNTINGHEIGHT	CABLE TYPE	BACKBOX	NOTES
<div>1A</div>	INTERIOR FIXED LENS CAMERA - WALL MOUNTED	SEE SCHEDULE	WALL 6" B.F.C. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	4" X 4" X 2 1/8" DEEP FLUSH MOUNT BACKBOX	
<div>1B</div>	INTERIOR FIXED LENS CAMERA - CEILING MOUNTED	SEE SCHEDULE	CEILING	(1) CAT6 PLENUM TO IDF/MDF	4" X 4" X 2 1/8" DEEP FLUSH MOUNT BACKBOX	
<div>1C</div>	EXTERIOR FIXED LENS CAMERA - CORNER MOUNTED	6/SE5-01	WALL 12" A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MMF	4" X 4" X 2 1/8" DEEP FLUSH MOUNT BACKBOX	
<div>1D</div>	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/SE5-01	POLE 14" A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	4" X 4" X 2 1/8" DEEP BACKBOX MOUNTED TO POLE	
<div>1E</div>	EXTERIOR FIXED LENS CAMERA - WALL MOUNTED	5/SE5-01	WALL 12" A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	4" X 4" X 2 1/8" DEEP FLUSH MOUNT BACKBOX	
<div>1A1</div>	AUDIO INTERFACE ADAPTER	N/R	RACK MOUNTED	(1) 222 SHIELDED PLENUM TO IDF/MDF	SEE DETAIL	
<div>1MP</div>	MICROPHONE	10,12/SE5-01	SEE DETAIL	(1) 222 SHIELDED PLENUM	4" X 4" X 2 1/8" DEEP FLUSH MOUNT BACKBOX	
<div>1NVR</div>	NETWORK VIDEO RECORDER	N/R	RACK MOUNTED	(1) CAT6 PLENUM TO IDF/MDF	RACK MOUNTED	
<div>1POE</div>	POWER OVER ETHERNET SWITCH	N/R	RACK MOUNTED	(1) CAT6 PLENUM TO IDF/MDF	RACK MOUNTED	
<div>1WS</div>	WORKSTATION	N/R	DESK MOUNTED	(1) CAT6 PLENUM TO IDF/MDF	DESK MOUNTED	

SHEET INDEX


SHEET	DESCRIPTION
SE0-00	SECURITY GENERAL INFORMATION AND SYMBOL LEGEND
SE1-00	SECURITY SITE PLAN
SE1-01	SECURITY DORM AND MECHANICAL FLOOR PLAN
SE1-02	SECURITY KITCHEN/MESS HALL FLOOR PLAN
SE1-03	SECURITY ADMIN BUILDING FLOOR PLAN
SE1-04	SECURITY RECREATION BUILDING FLOOR PLAN
SE1-05	SECURITY SCHOOL BUILDING FLOOR PLAN
SE1-06	SECURITY SCHOOL ANNEX FLOOR PLAN
SE5-01	SECURITY DETAILS
SE6-01	SECURITY LINE DIAGRAM AND SCHEDULES
T1-00	TELECOM SITE PLAN
T1-01	TELECOM DORM AND MECHANICAL FLOOR PLAN
T1-02	TELECOM KITCHEN/MESS HALL FLOOR PLAN
T1-03	TELECOM ADMIN BUILDING FLOOR PLAN
T1-04	TELECOM RECREATION BUILDING FLOOR PLAN
T1-05	TELECOM SCHOOL BUILDING FLOOR PLAN
T1-06	TELECOM SCHOOL ANNEX FLOOR PLAN
T4-00	TELECOM ENLARGED PLANS AND RACK ELEVATIONS
T5-01	TELECOM DETAILS
T6-01	TECHNOLOGY PATHWAYS DIAGRAM
T6-02	TECHNOLOGY FIBER RISER DIAGRAM

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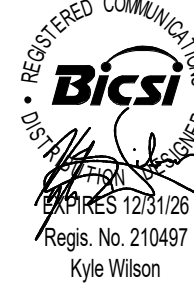
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ALHAMBRA, CA 91803  
TEL: 626.458.5100

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BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
	PLAN CHECK	05/03/2024
	BID SET	11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT  
LAC DPW AFFLERBAUGH PAIGE CAMP CCTV SYSTEM

SHEET TITLE  
SECURITY GENERAL INFORMATION AND SYMBOL LEGEND

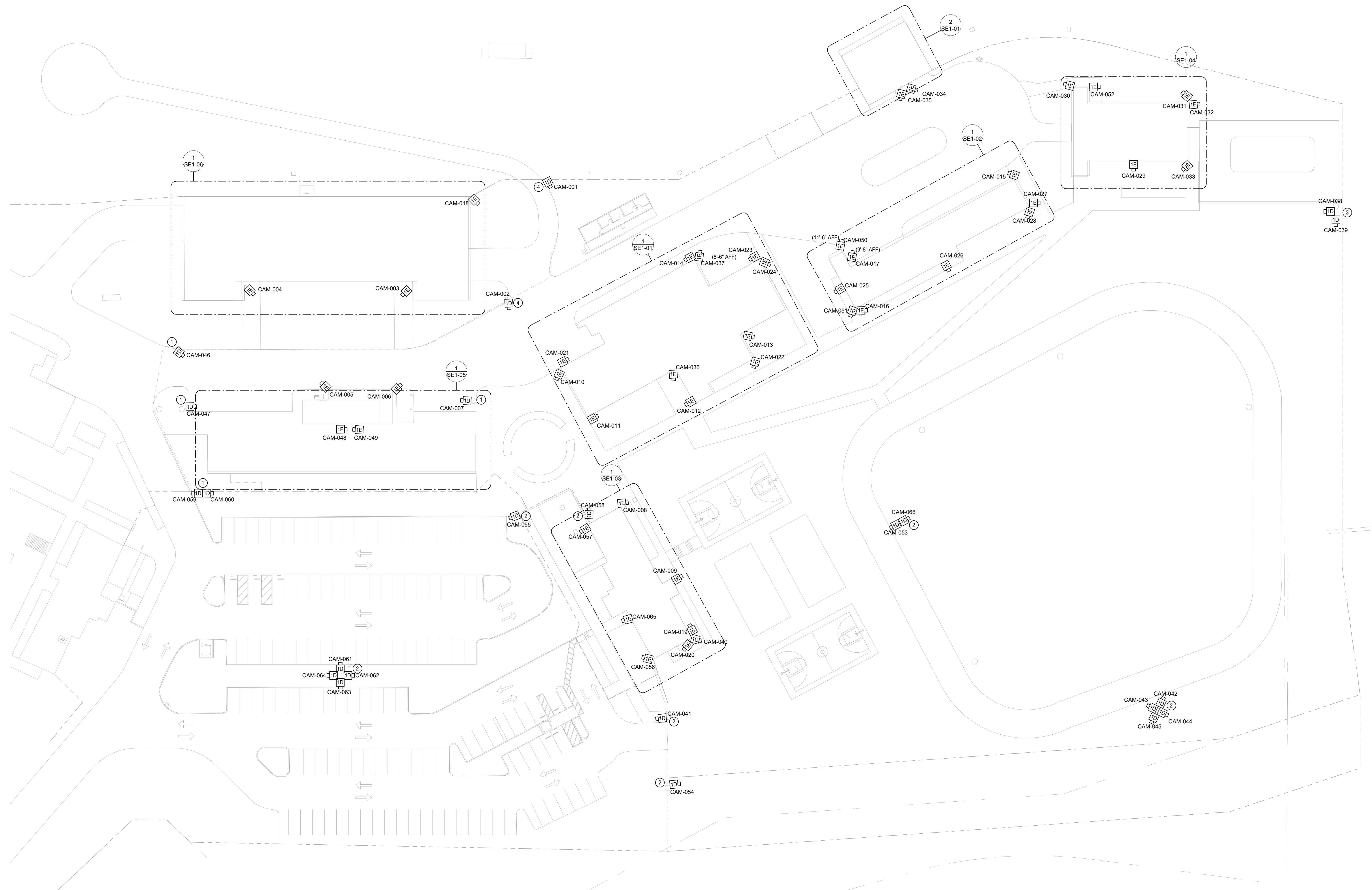
HZ PROJ. NO. R311908.04

LA DPW SPEC. NO. 7701

PERMIT NO.

SEO-00





1 SECURITY SITE PLAN  
1" = 30'-0"

GENERAL NOTES:

- A. REFER TO ENLARGED PLANS FOR CABLE TERMINATION LOCATIONS PER BUILDING U.O.N.
- B. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING PATHWAYS UNDERGROUND WHERE NECESSARY.

SHEET NOTES:

1. CAMERAS TO HOMERUN BACK TO POE SWITCH LOCATED WITHIN SOUTH SCHOOL MDF. MAX CABLE RUN SHALL NOT EXCEED 300 FEET AND 180 DEGREE OF BENDS BETWEEN PULL POINTS.
2. CAMERAS TO HOMERUN BACK TO POE SWITCH LOCATED WITHIN ADMIN BUILDING IDF. MAX CABLE RUN SHALL NOT EXCEED 300 FEET AND 180 DEGREE OF BENDS BETWEEN PULL POINTS.
3. CAMERAS TO HOMERUN BACK TO POE SWITCH LOCATED WITHIN THE GYM BUILDING IDF. MAX CABLE RUN SHALL NOT EXCEED 300 FEET AND 180 DEGREE OF BENDS BETWEEN PULL POINTS.
4. CAMERAS TO HOMERUN BACK TO POE SWITCH LOCATED WITHIN THE DORM BUILDING IDF. MAX CABLE RUN SHALL NOT EXCEED 300 FEET AND 180 DEGREE OF BENDS BETWEEN PULL POINTS.



555 W. Fifth Street Suite 2500 | Los Angeles, CA 90013 USA  
Phone 310.820.4500 | Fax 310.207.4215  
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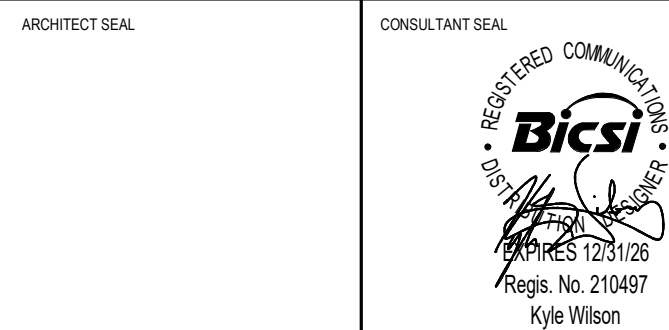
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900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100



895 DOVE ST. 3RD FLOOR  
NEWPORT BEACH, CA 92660  
949.324.3547



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1	PLAN CHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT  
LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE  
SECURITY SITE PLAN

HZ PROJ. NO.	R311508.04	LA DPW SPEC. NO.	7701
		PERMIT NO.	

**SE1-00**

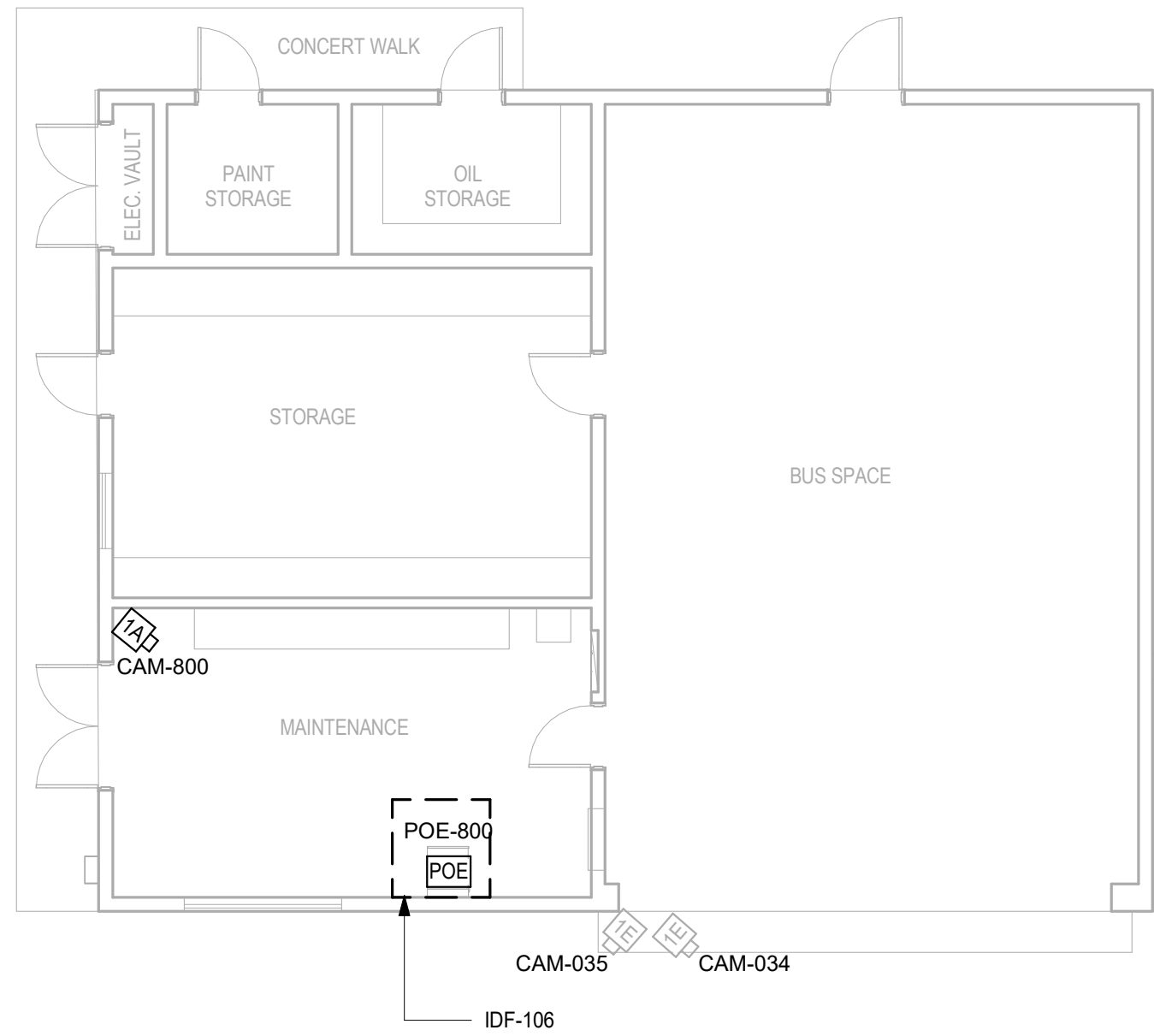


GENERAL NOTES:

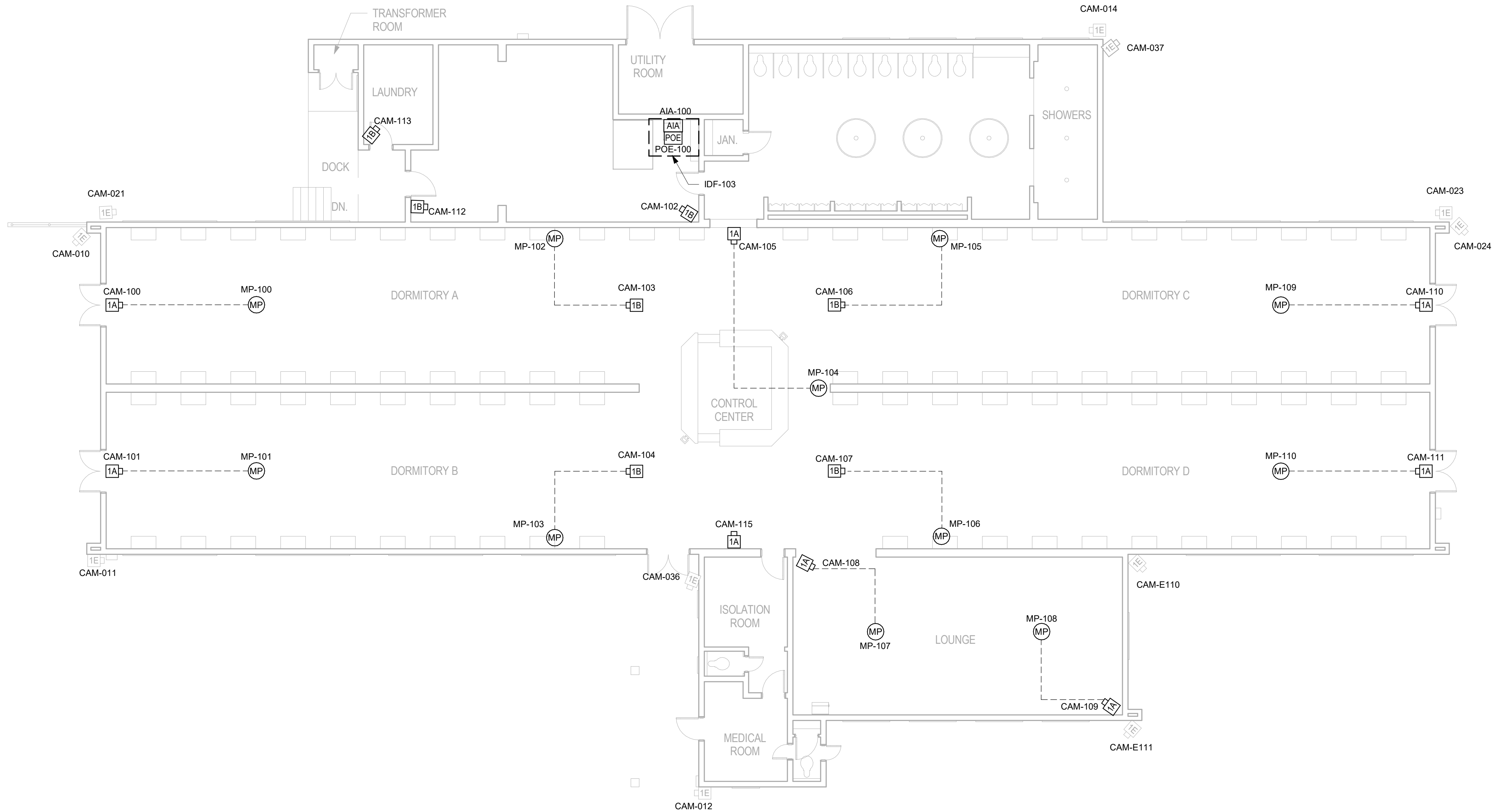
- A. ALL CCTV SYSTEM CABLING SHALL TERMINATE TO (N) EQUIPMENT IN RESPECTIVE BUILDING IDF.
- B. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
- C. COORDINATE CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECT AND OTHER TRADES PRIOR TO ROUGH-IN.

LINE TYPE LEGEND

----- REFER TO SINGLE LINE DIAGRAM 2/SE6-01 FOR WIRING BETWEEN MICROPHONES (MP), AUDIO INTERFACE ADAPTER (AIA) AND RELATED CAMERA



2 SECURITY MECHANICAL BUILDING FLOOR PLAN  
1/4" = 1'-0"



1 SECURITY DORM FLOOR PLAN  
1/8" = 1'-0"



555 W. Fifth Street Suite 2500 | Los Angeles, CA 90013 USA  
Phone 310.820.4600 | Fax 310.207.4215  
www.huitt-zollars.com

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900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100



895 DOVE ST. 3RD FLOOR  
NEWPORT BEACH, CA 92660  
949.324.3547

ARCHITECT SEAL

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AGENCY APPROVAL STAMP

PROJECT

LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE

SECURITY DORM AND  
MECHANICAL FLOOR PLAN

HZ PROJ. NO.

R311508.04

LA DPW SPEC. NO.

7701

PERMIT NO.

SE1-01

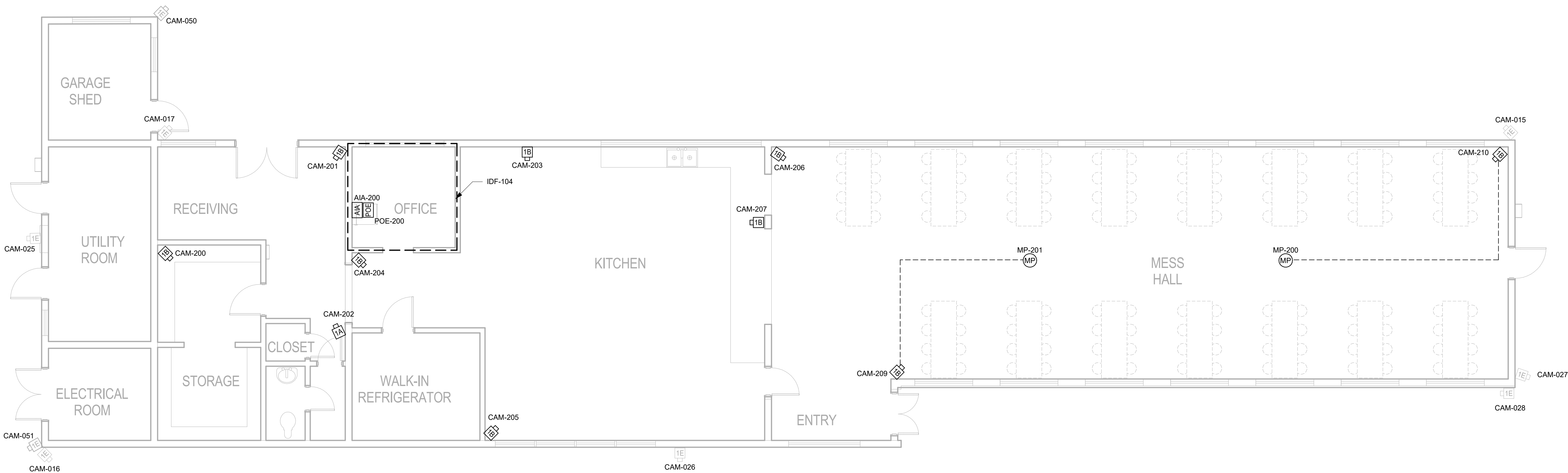


GENERAL NOTES:

- A. ALL CCTV SYSTEM CABLING SHALL TERMINATE TO (N) EQUIPMENT IN RESPECTIVE BUILDING IDF.
- B. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
- C. COORDINATE CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECT AND OTHER TRADES PRIOR TO ROUGH-IN.

LINE TYPE LEGEND

----- REFER TO SINGLE LINE DIAGRAM 2/SE6-01 FOR WIRING BETWEEN MICROPHONES (MP), AUDIO INTERFACE ADAPTER (AIA) AND RELATED CAMERA



1 SECURITY KITCHEN/MESS HALL FLOOR PLAN  
3/16" = 1'-0"



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ARCHITECT SEAL

CONSULTANT SEAL



BID SET

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
	PLAN CHECK	05/03/2024
	BID SET	11/11/2024

AGENCY APPLICATION NUMBER

UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT

LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE

SECURITY KITCHEN/MESS  
HALL FLOOR PLAN

HZ PROJ. NO.

R311508.04

LA DPW SPEC. NO.

7701

PERMIT NO.

SE1-02



GENERAL NOTES:

- A. ALL CCTV SYSTEM CABLING SHALL TERMINATE TO (N) EQUIPMENT IN RESPECTIVE BUILDING IDF.
- B. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
- C. COORDINATE CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECT AND OTHER TRADES PRIOR TO ROUGH-IN.



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**BID SET**

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER

UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT

LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE

**SECURITY ADMIN BUILDING  
FLOOR PLAN**

HZ PROJ. NO.

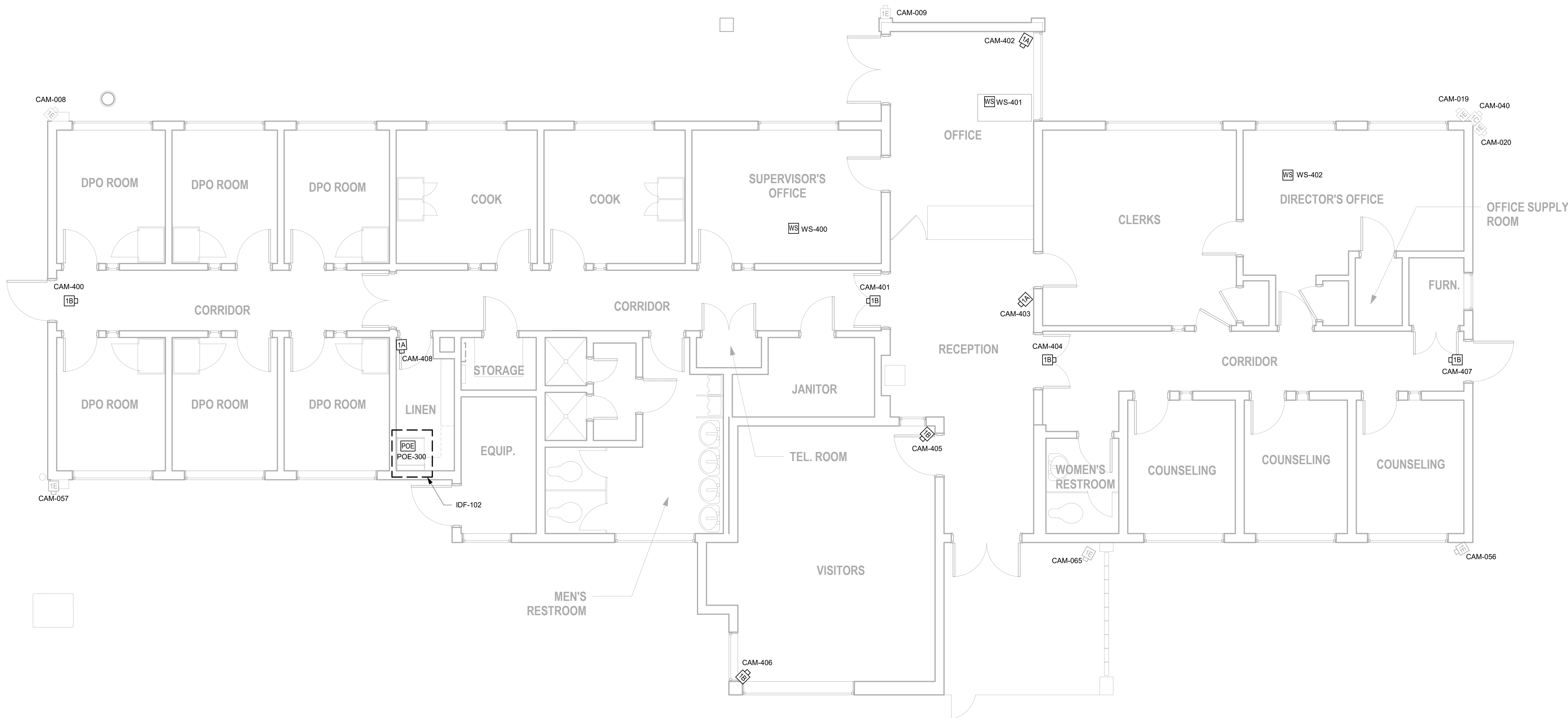
R311508.04

LA DPW SPEC. NO.

7701

PERMIT NO.

**SE1-03**





GENERAL NOTES:

- A. ALL CCTV SYSTEM CABLING SHALL TERMINATE TO (N) EQUIPMENT IN RESPECTIVE BUILDING IDF.
- B. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
- C. COORDINATE CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECT AND OTHER TRADES PRIOR TO ROUGH-IN.



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**BID SET**

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER

UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT

LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE

**SECURITY RECREATION  
BUILDING FLOOR PLAN**

HZ PROJ. NO.

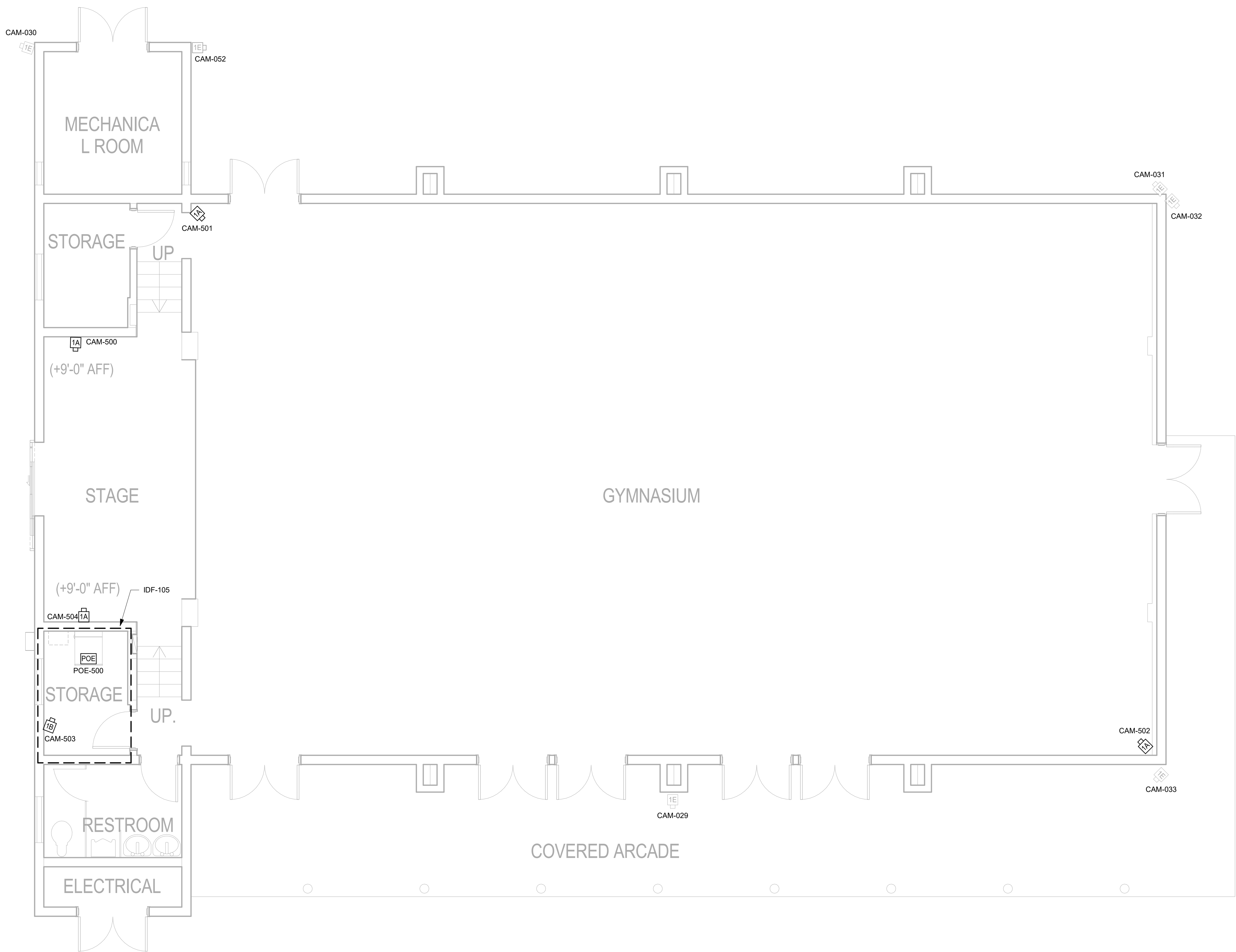
R311508.04

LA DPW SPEC. NO.

7701

PERMIT NO.

**SE1-04**





GENERAL NOTES:

- A. ALL CCTV SYSTEM CABLING SHALL TERMINATE TO (N) EQUIPMENT IN RESPECTIVE BUILDING IDF.
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- C. COORDINATE CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECT AND OTHER TRADES PRIOR TO ROUGH-IN.

LINE TYPE LEGEND

----- REFER TO SINGLE LINE DIAGRAM 2/SE6-01 FOR WIRING BETWEEN MICROPHONES (MP), AUDIO INTERFACE ADAPTER (AIA) AND RELATED CAMERA



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BID SET

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NO.	ISSUED	DATE
	PLAN CHECK	05/03/2024
	BID SET	11/11/2024

AGENCY APPLICATION NUMBER

UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT

LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE

SECURITY SCHOOL  
BUILDING FLOOR PLAN

HZ PROJ. NO.

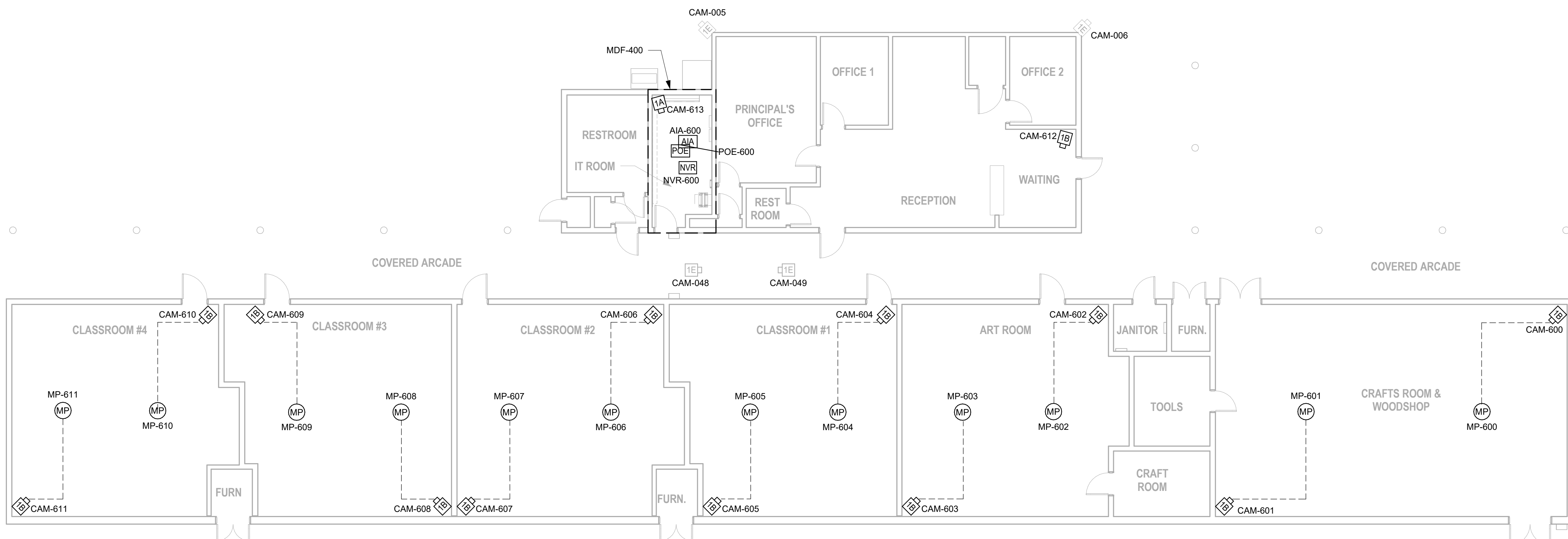
R311508.04

LA DPW SPEC. NO.

7701

PERMIT NO.

SE1-05



1 SECURITY SCHOOL BUILDING FLOOR PLAN  
1/8" = 1'-0"

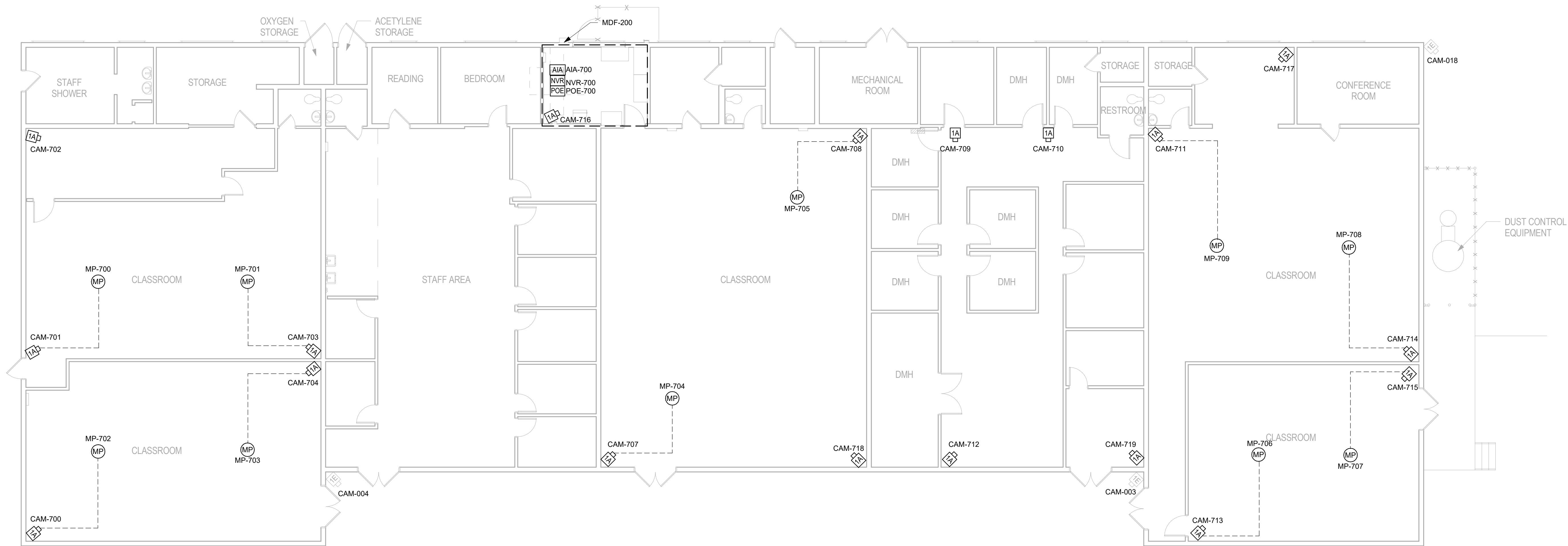


GENERAL NOTES:

- A. ALL CCTV SYSTEM CABLING SHALL TERMINATE TO (N) EQUIPMENT IN RESPECTIVE BUILDING IDF.
- B. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
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LINE TYPE LEGEND

----- REFER TO SINGLE LINE DIAGRAM 2/SE6-01 FOR WIRING BETWEEN MICROPHONES (MP), AUDIO INTERFACE ADAPTER (AIA) AND RELATED CAMERA



ARCHITECT SEAL

CONSULTANT SEAL



**BID SET**

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NO.	ISSUED	DATE
1	PLAN CHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER  
**UNC-MECH240510001771**

AGENCY APPROVAL STAMP

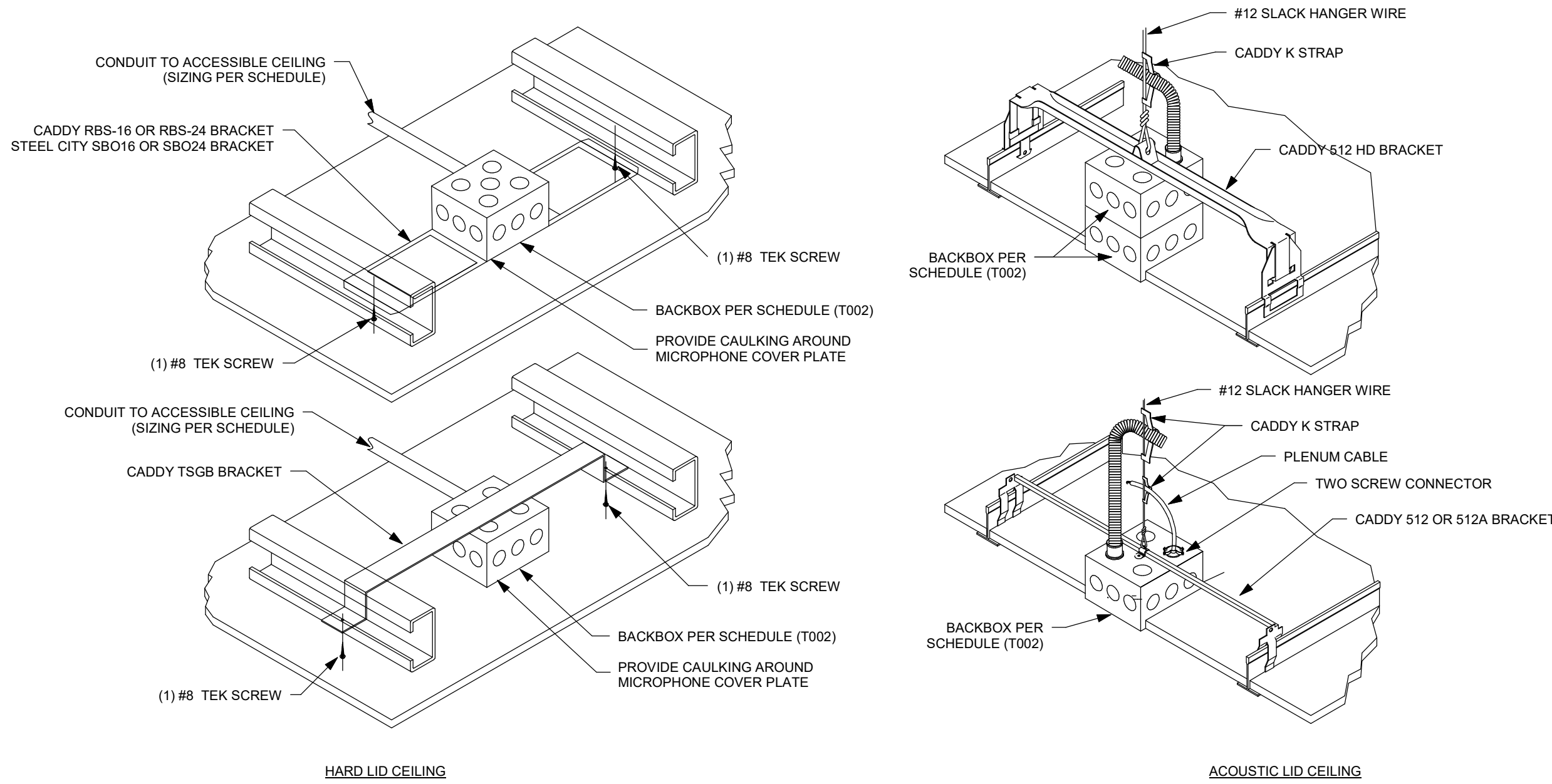
PROJECT  
**LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM**

SHEET TITLE  
**SECURITY SCHOOL ANNEX  
FLOOR PLAN**

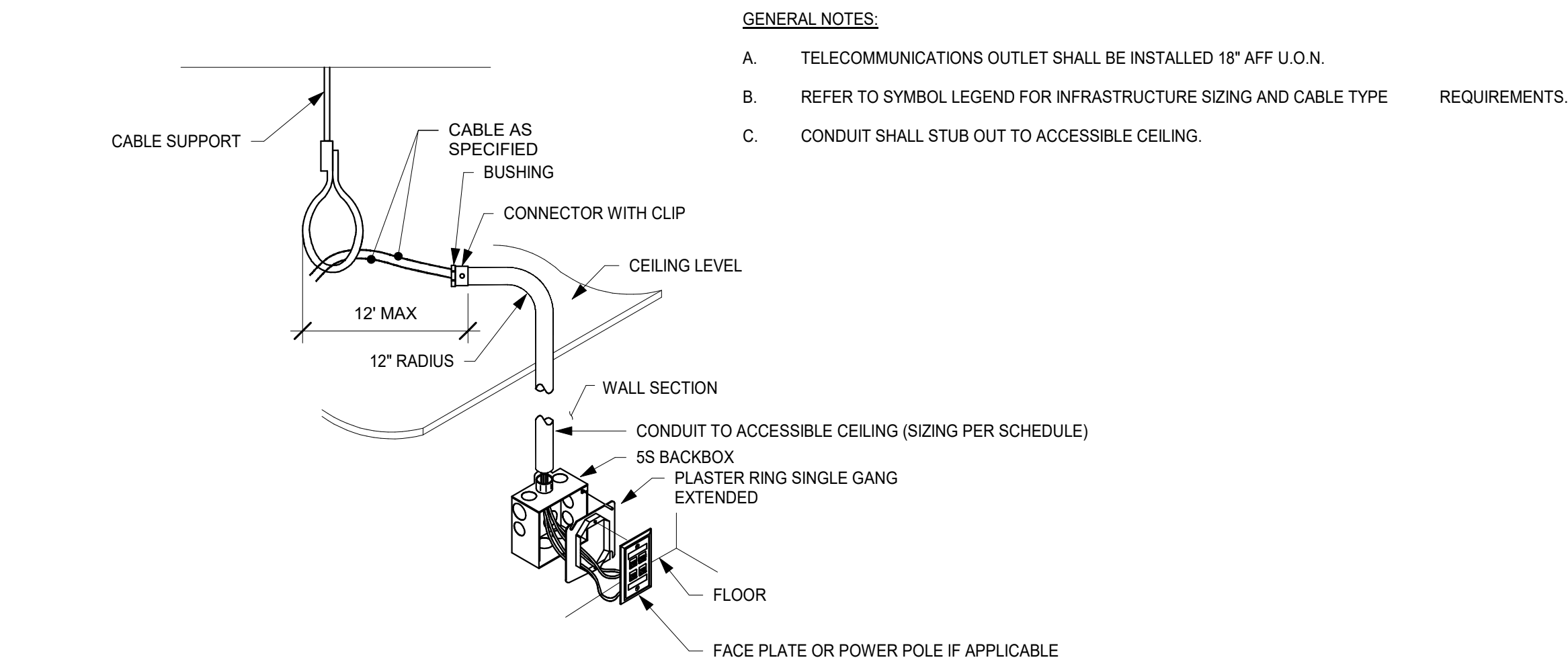
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PERMIT NO.

**SE1-06**

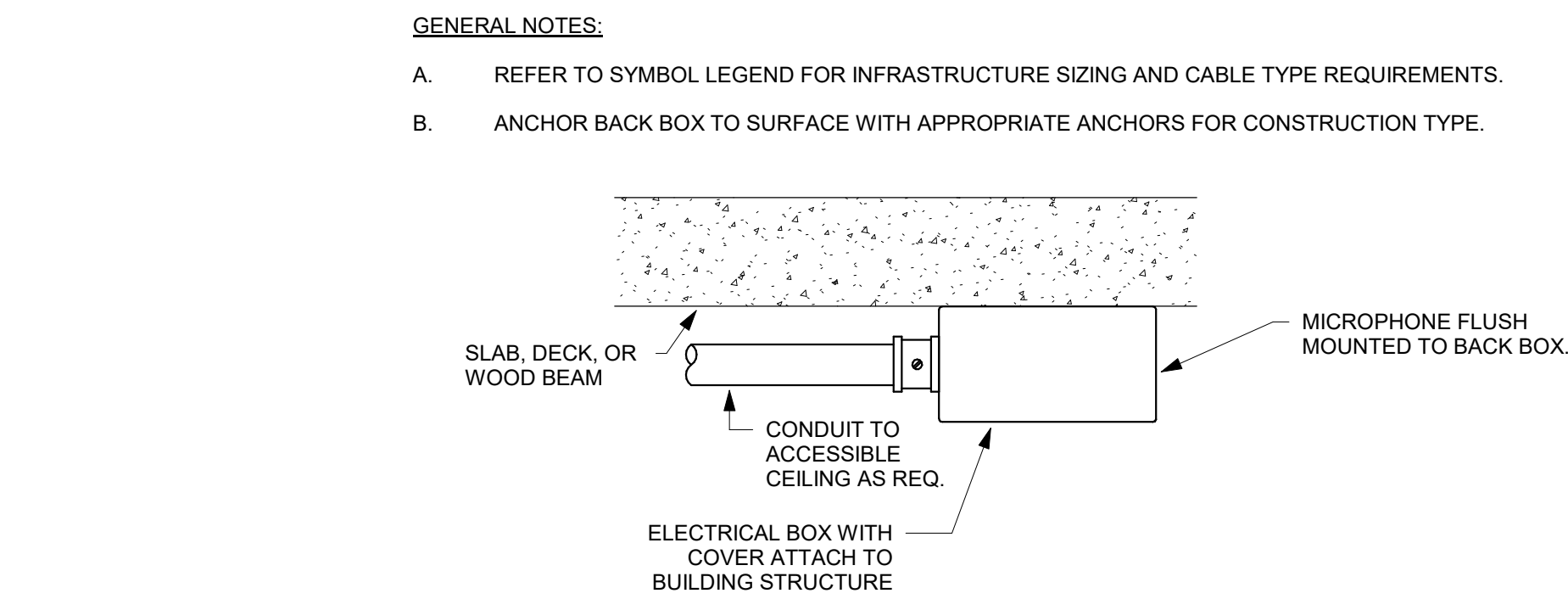




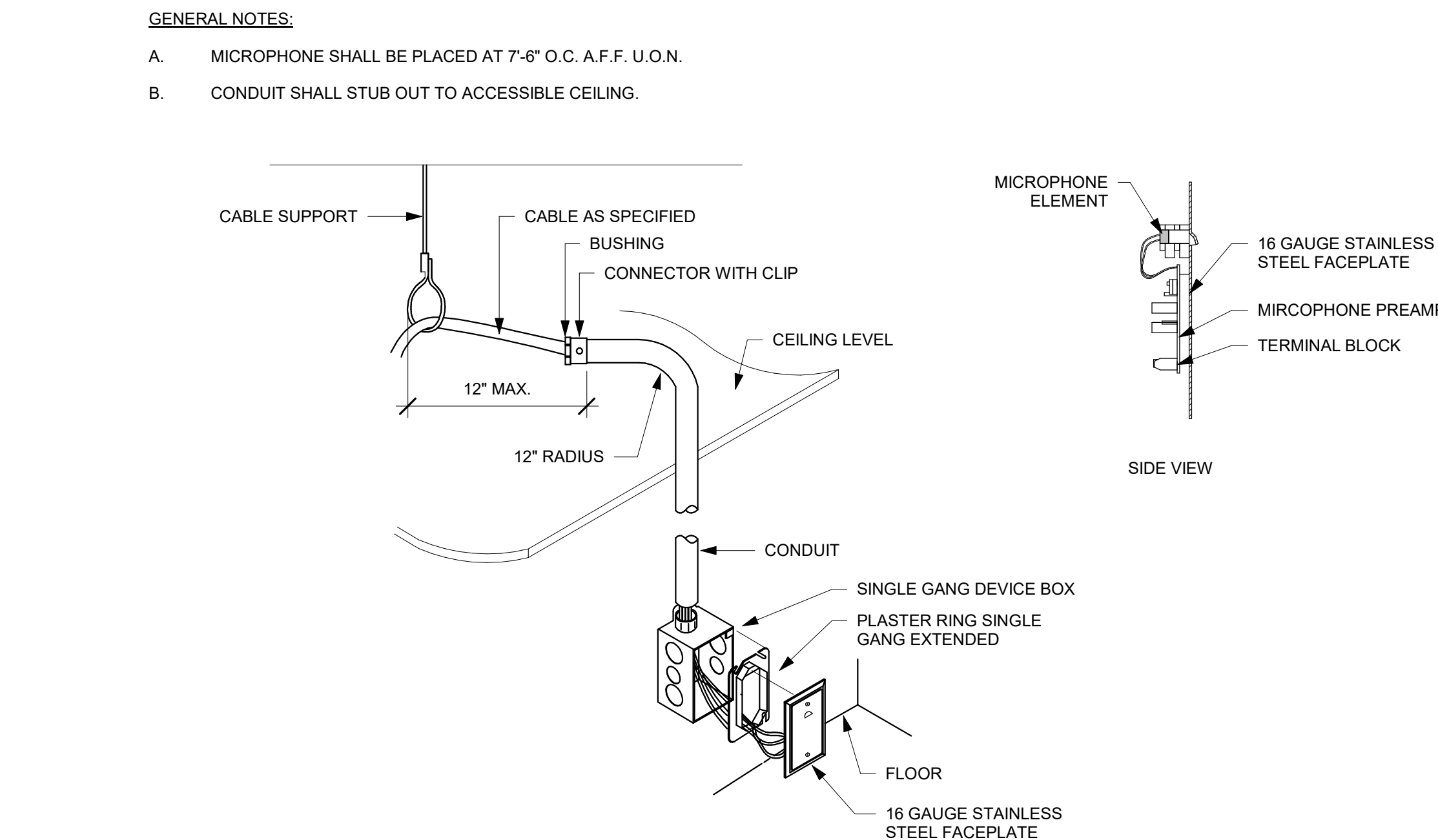
12 CEILING MOUNTED MICROPHONE NTS



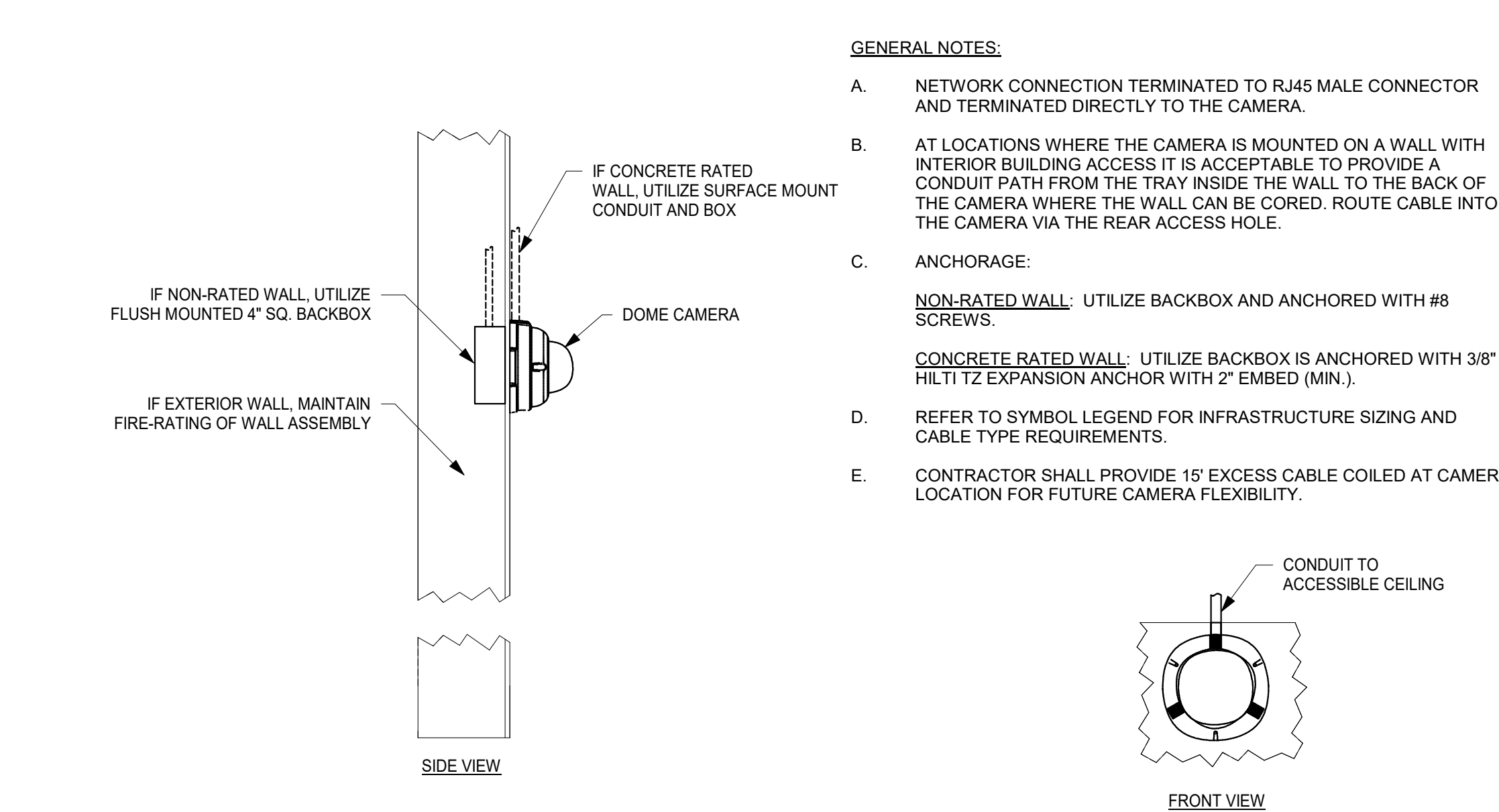
11 TYPICAL TELECOM RACEWAY AND OUTLET BOX NTS



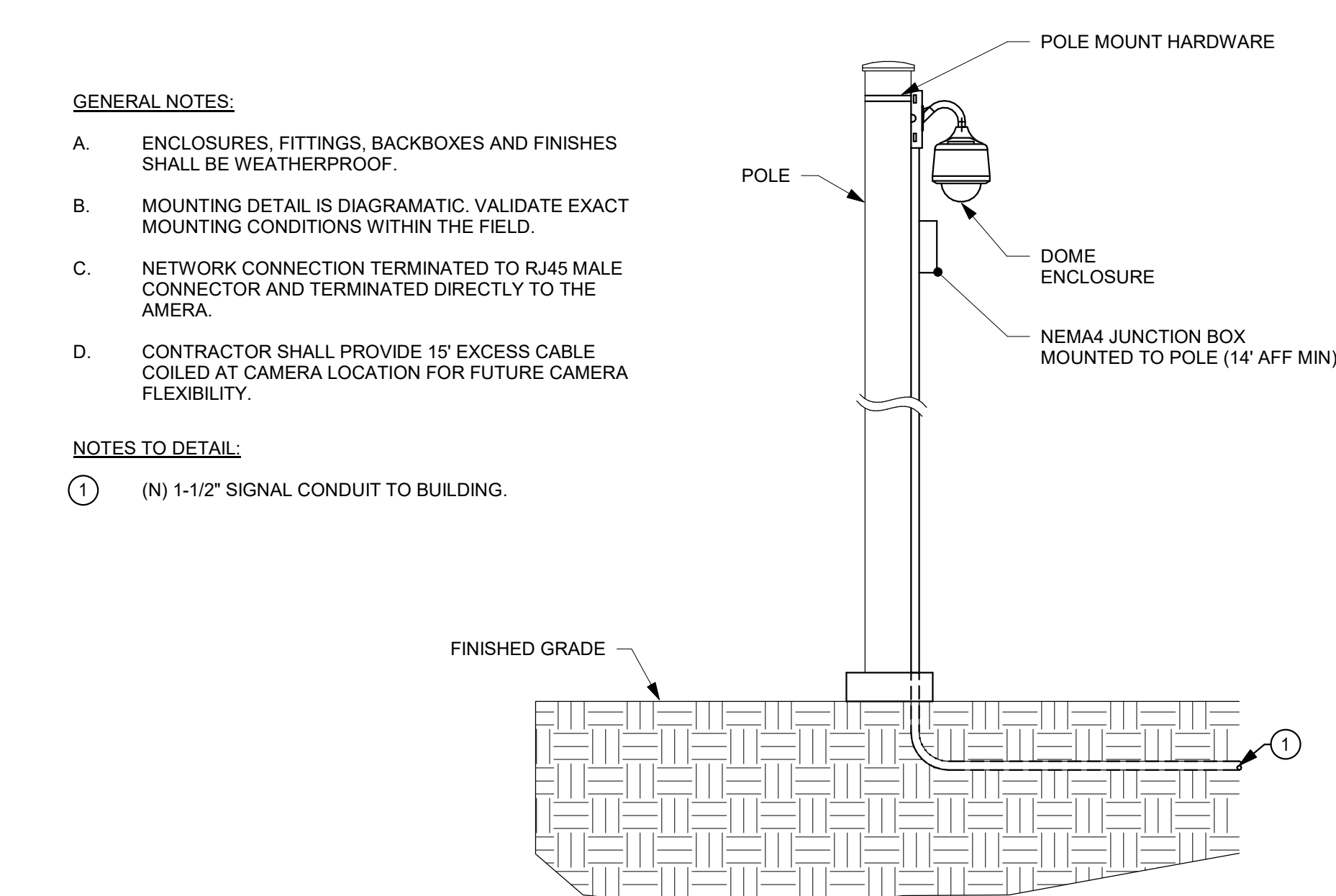
10 TYPICAL CEILING MICROPHONE - SURFACE MOUNT NTS



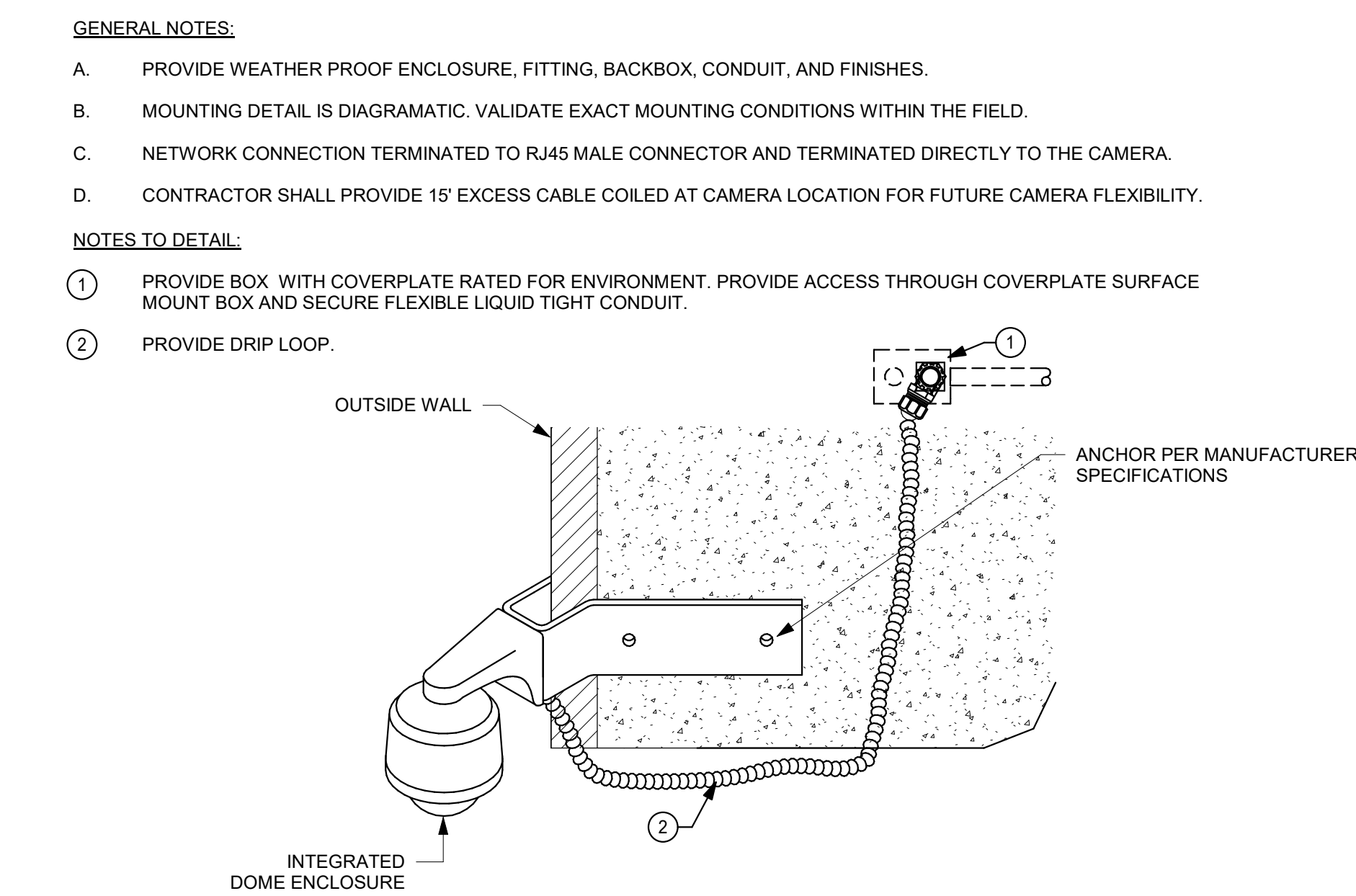
9 TYPICAL WALL MOUNTED MICROPHONE NTS



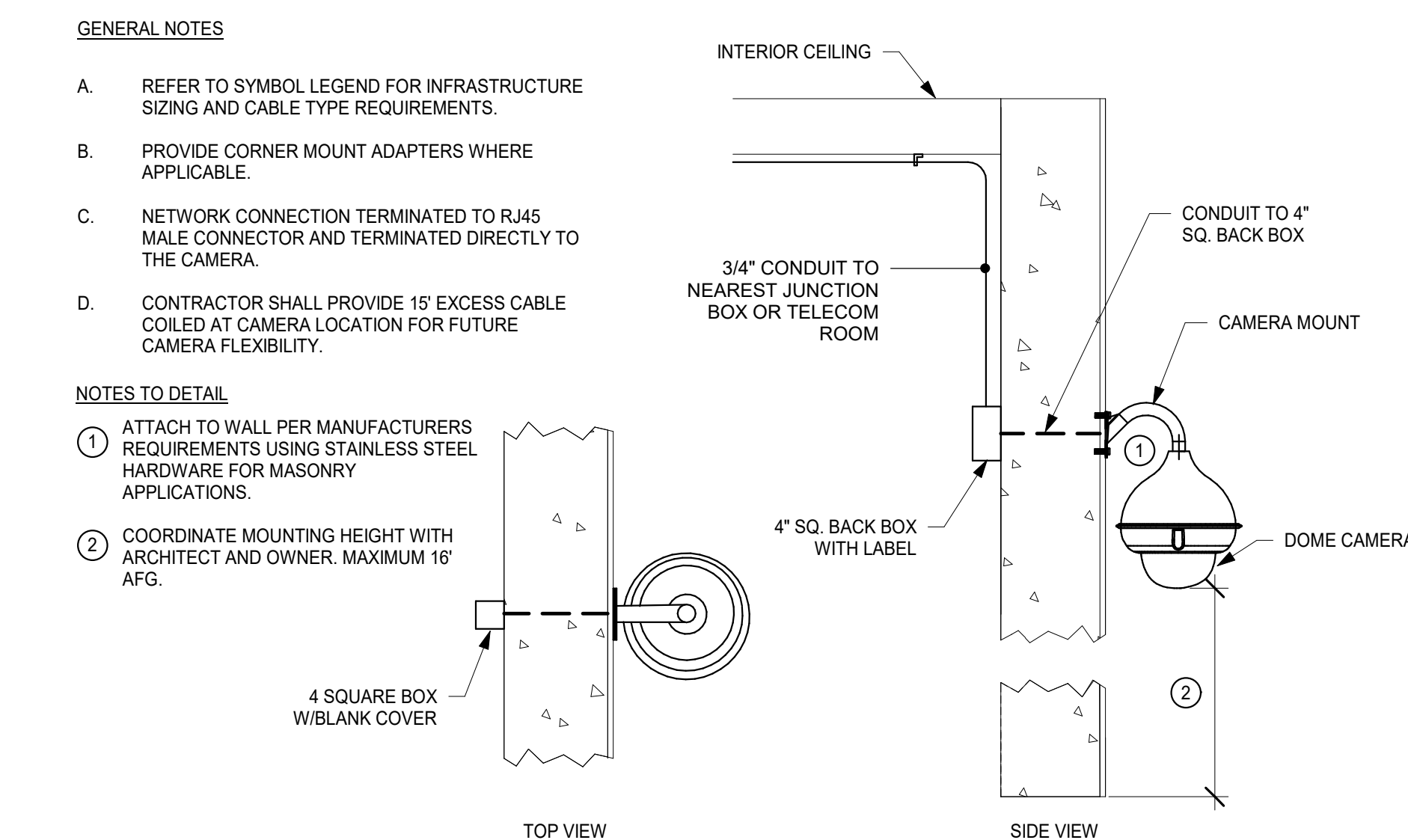
8 CAMERA MOUNTED ON WALL NTS



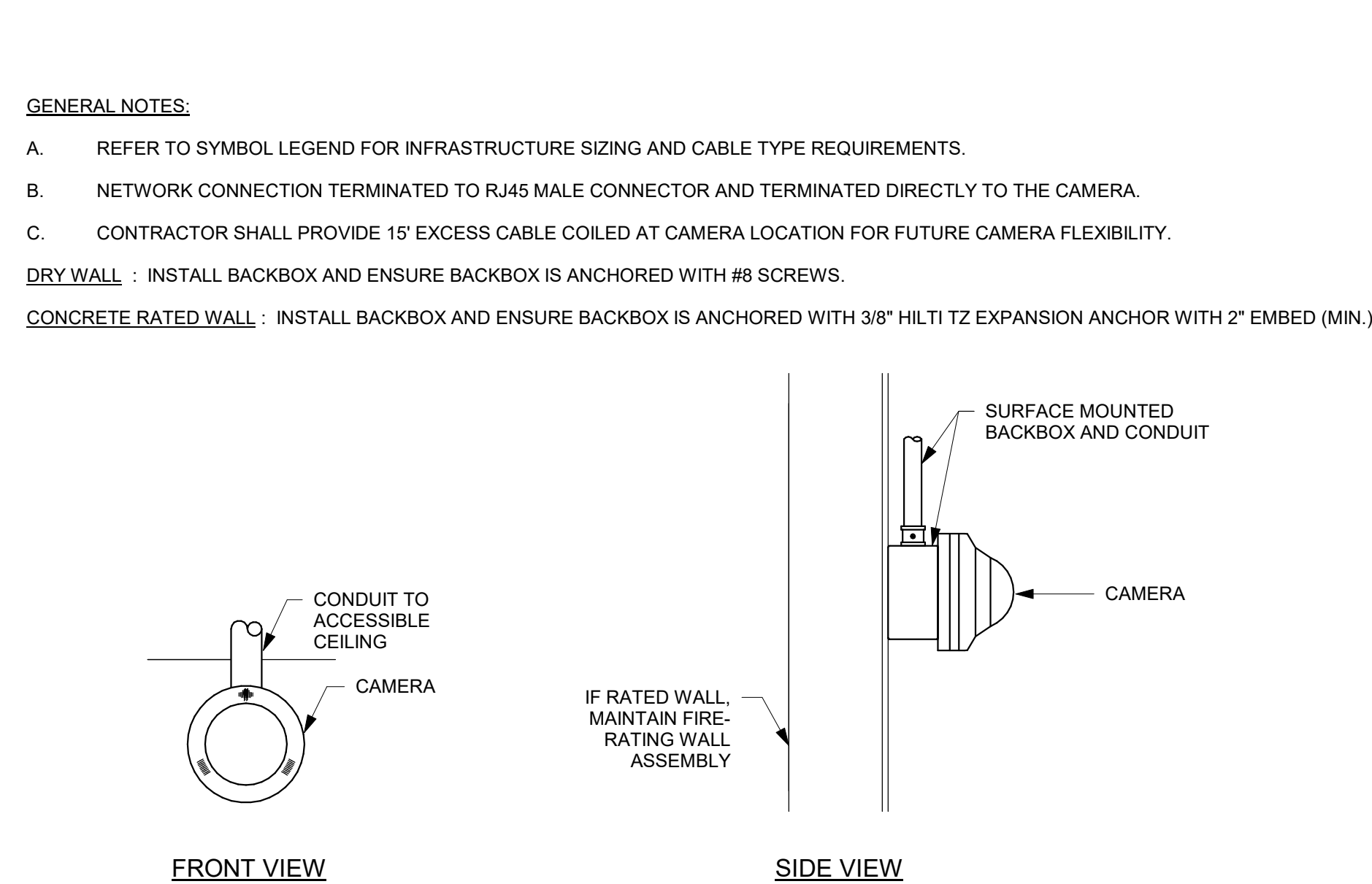
7 POLE MOUNT GOOSENECK NTS



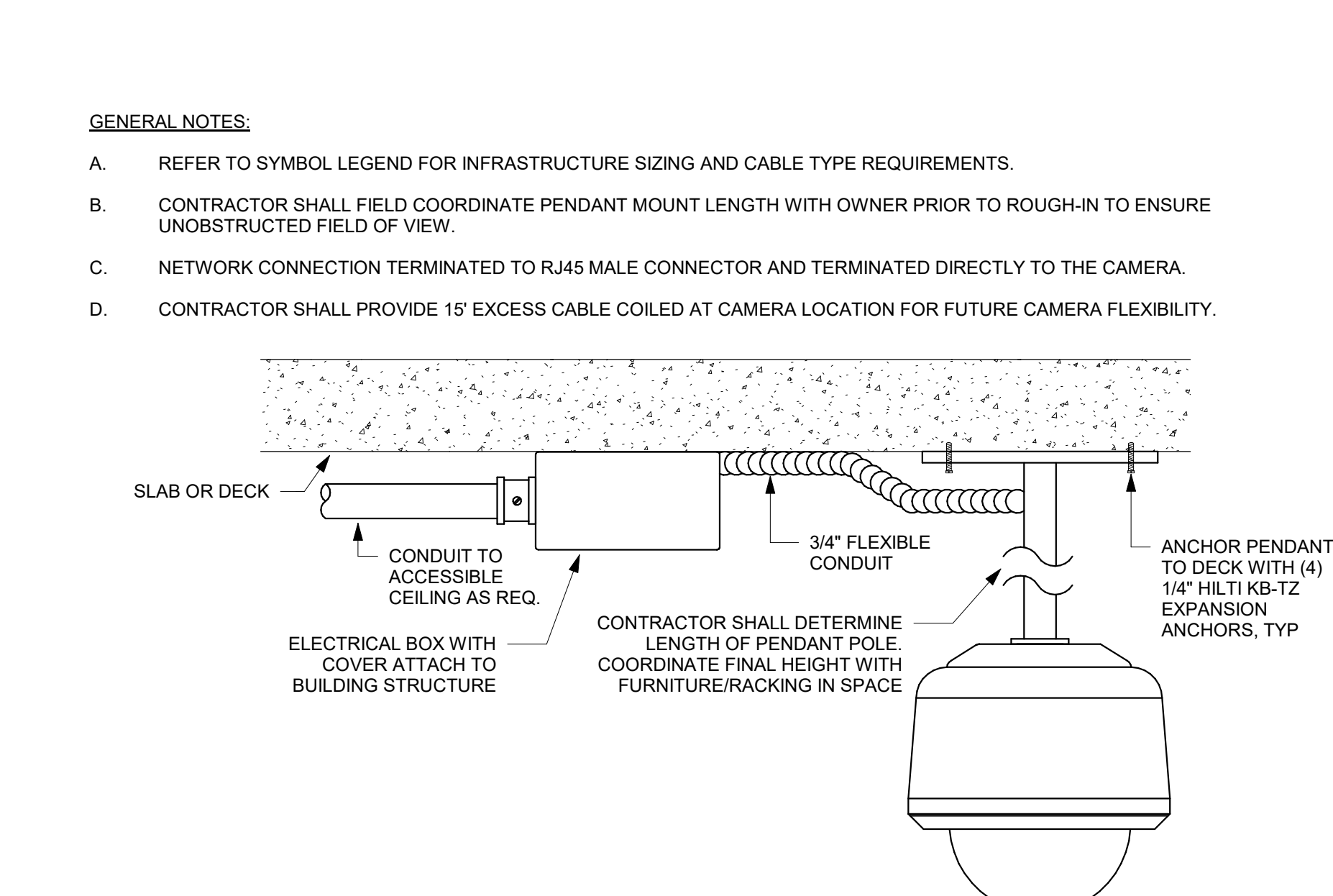
6 EXTERIOR CORNER MOUNTED CAMERA NTS



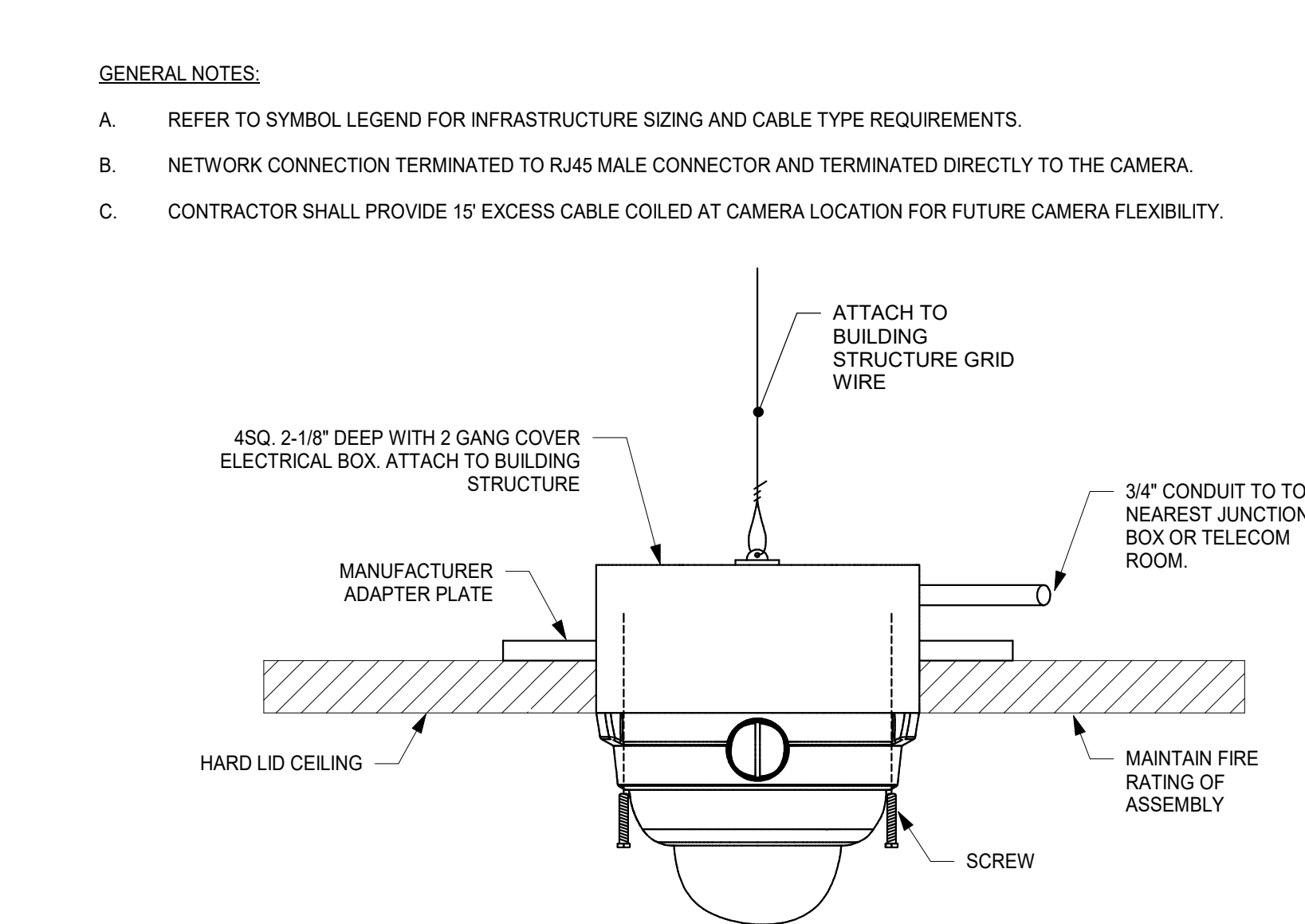
5 CAMERA - EXTERIOR WALL MOUNT NTS



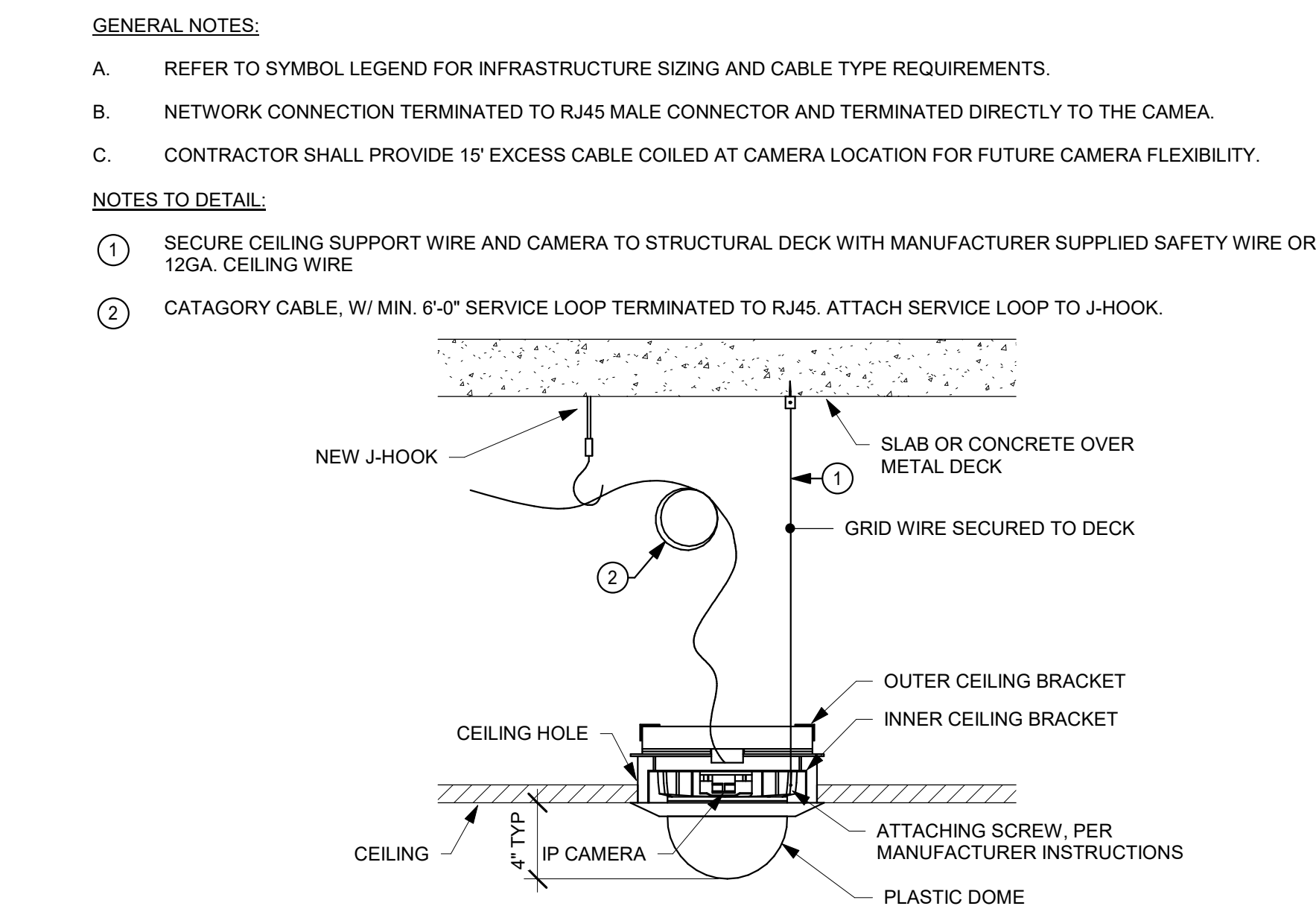
4 SURFACE/WALL MOUNTED CAMERA NTS



3 PENDANT MOUNTED CAMERA NTS



2 CAMERA - HARD LID CEILING MOUNT NTS



1 CEILING MOUNTED CAMERA - ACOUSTIC TILE NTS



## BID SET

### ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
PLAN CHECK BID SET		05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER  
**UNC-MECH240510001771**

AGENCY APPROVAL STAMP

PROJECT  
**LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM**

## SECURITY DETAILS

HZ PROJ. NO.	R311908.04	LA DPW SPEC. NO.	7701
		PERMIT NO.	

## SE5-01



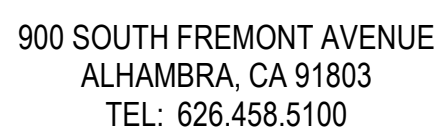
## DEVICE SCHEDULE

DEVICE ID	DESCRIPTION	DETAIL	MOUNTING HEIGHT	CABLE TYPE	LOCATION
CAM-001	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-002	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-038	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-039	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-041	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-042	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-043	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-044	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-045	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-046	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-047	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-053	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-054	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-055	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-056	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-059	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-060	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-061	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-062	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-063	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-064	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN
CAM-066	EXTERIOR FIXED LENS CAMERA - POLE MOUNTED	7/85S-01	POLE 14' A.G.L. U.O.N.	(1) CAT6 PLENUM TO IDF/MDF	SITE PLAN



# 1 SECURITY DEVICE SCHEDULE

③ SECURITY CAMERA COUNT

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## BID SET

## ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
	PLAN CHECK	05/03/2024
	BID SET	11/11/2024

AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

# SECURITY LINE DIAGRAM AND SCHEDULES

HZ PROJ. NO.	R311608.04	LA DPW SPEC. NO.	7701
		PERMIT NO.	

# SE6-01

### GENERAL NOTES

- A. CONTRACTOR IS RESPONSIBLE FOR ALL MOUNTING HARDWARE FOR EQUIPMENT. CONTRACTOR SHALL FIELD VERIFY MOUNTING CONDITIONS AND CONFIRM MOUNTING REQUIREMENTS PRIOR TO PROCURMENT AND ROUGH-IN.



- GENERAL NOTES:
- A. COORDINATE ALL U.G. PATHWAYS WITH EXISTING U.G. UTILITIES. PROVIDE DIMENSIONED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY DESIGN TEAM.
- B. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING AND PATCHING WHERE NECESSARY.
- SHEET NOTES:
1. 20"x16"x8" METAL NEMA 4X WEATHER PROOF ENCLOSURE WITH VANDAL RESISTANT LOCKABLE, GASKETED DOOR & HARDWARE. SECURE BOX TO WALL TYPICAL FOR ALL OUTSIDE/WALL PULL BOX LOCATIONS.
2. PG STYLE QUAZITE 24"HX36"LX30"D BELOW GROUND BOX (TIER 1S) WITH LOCKABLE COVER AND LOGO "TELECOM". REFER TO DETAIL 6/T5-01.
3. (2) 2 1/2" UNDERGROUND CONDUITS.
4. CABLING ON J-HOOK SUPPORTS ABOVE CEILING. ALL EXPOSED CABLING TO BE INSTALLED IN CONDUIT.
5. EXISTING LIGHT POLE FOR POLE MOUNTED CAMERA.
6. CONDUIT INSTALLED ABOVE GROUND ON EXTERIOR FENCELINE.
7. (2) 2 1/2" ABOVE GROUND CONDUITS.



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CONSULTANT  
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NEWPORT BEACH, CA 92660  
949.324.3547

ARCHITECT SEAL

**BID SET**

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
1	PLAN CHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER  
**UNC-MECH240510001771**

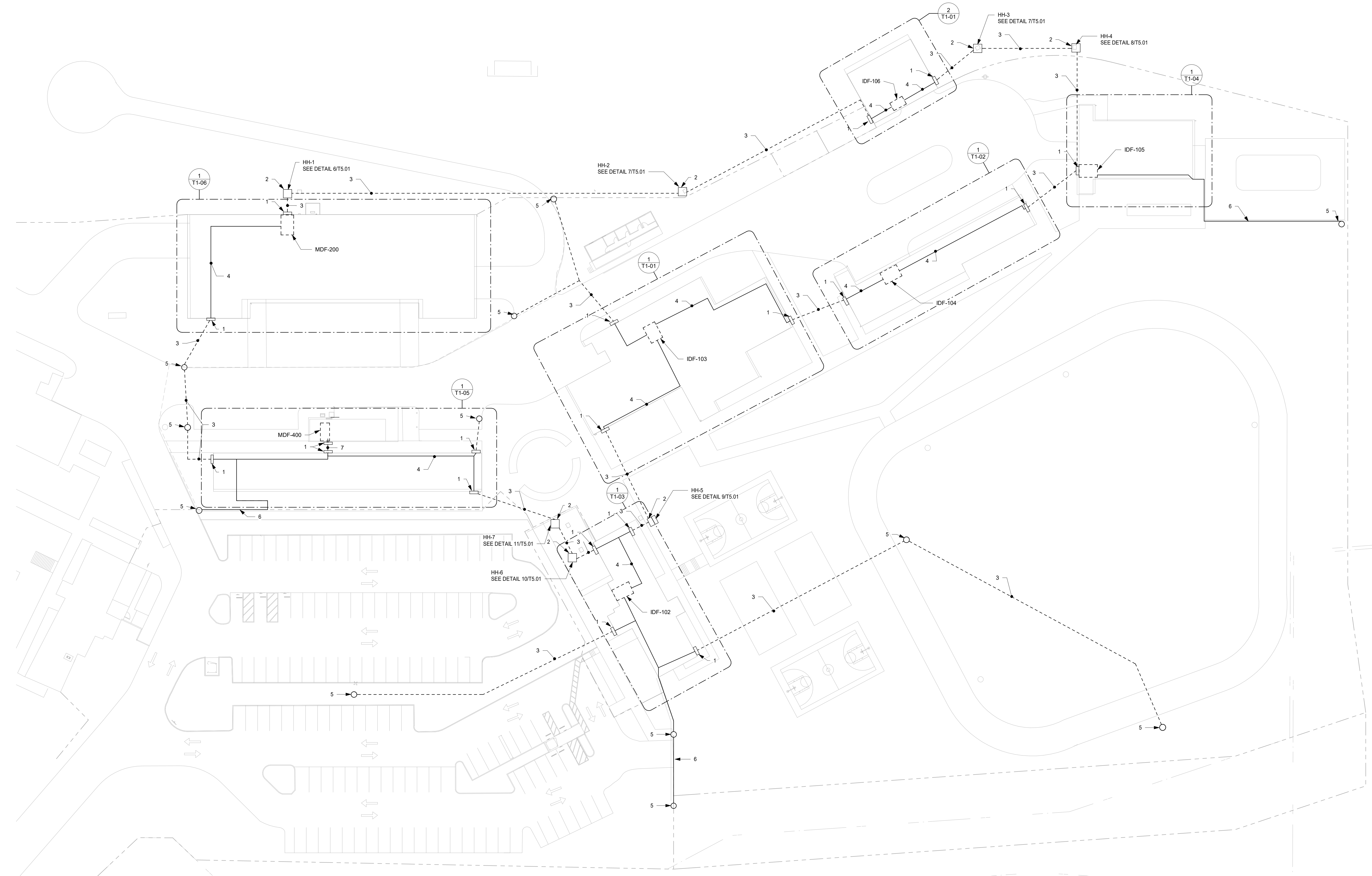
AGENCY APPROVAL STAMP

PROJECT  
**LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM**

SHEET TITLE  
**TELECOM SITE PLAN**

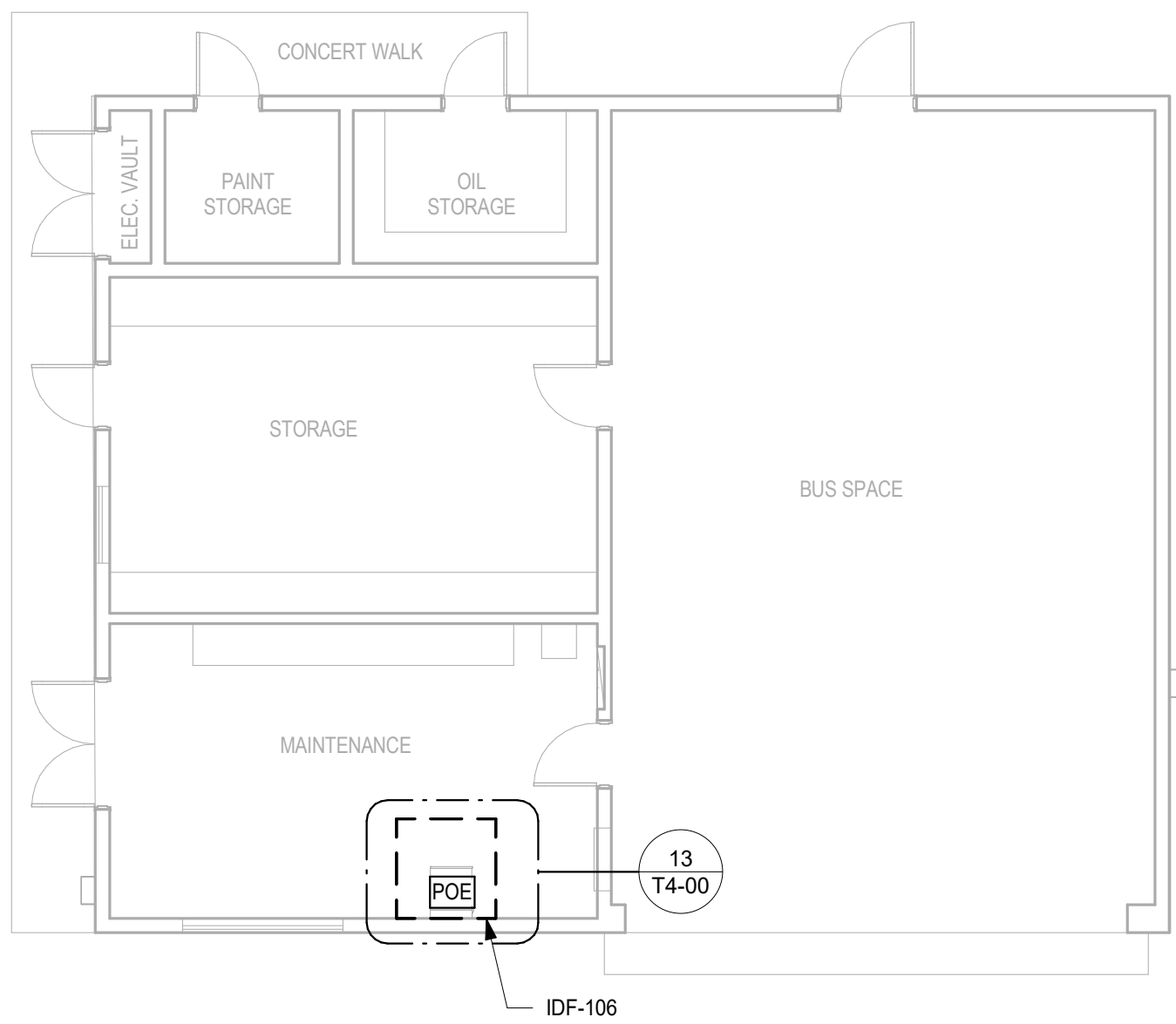
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PERMIT NO.

**T1-00**

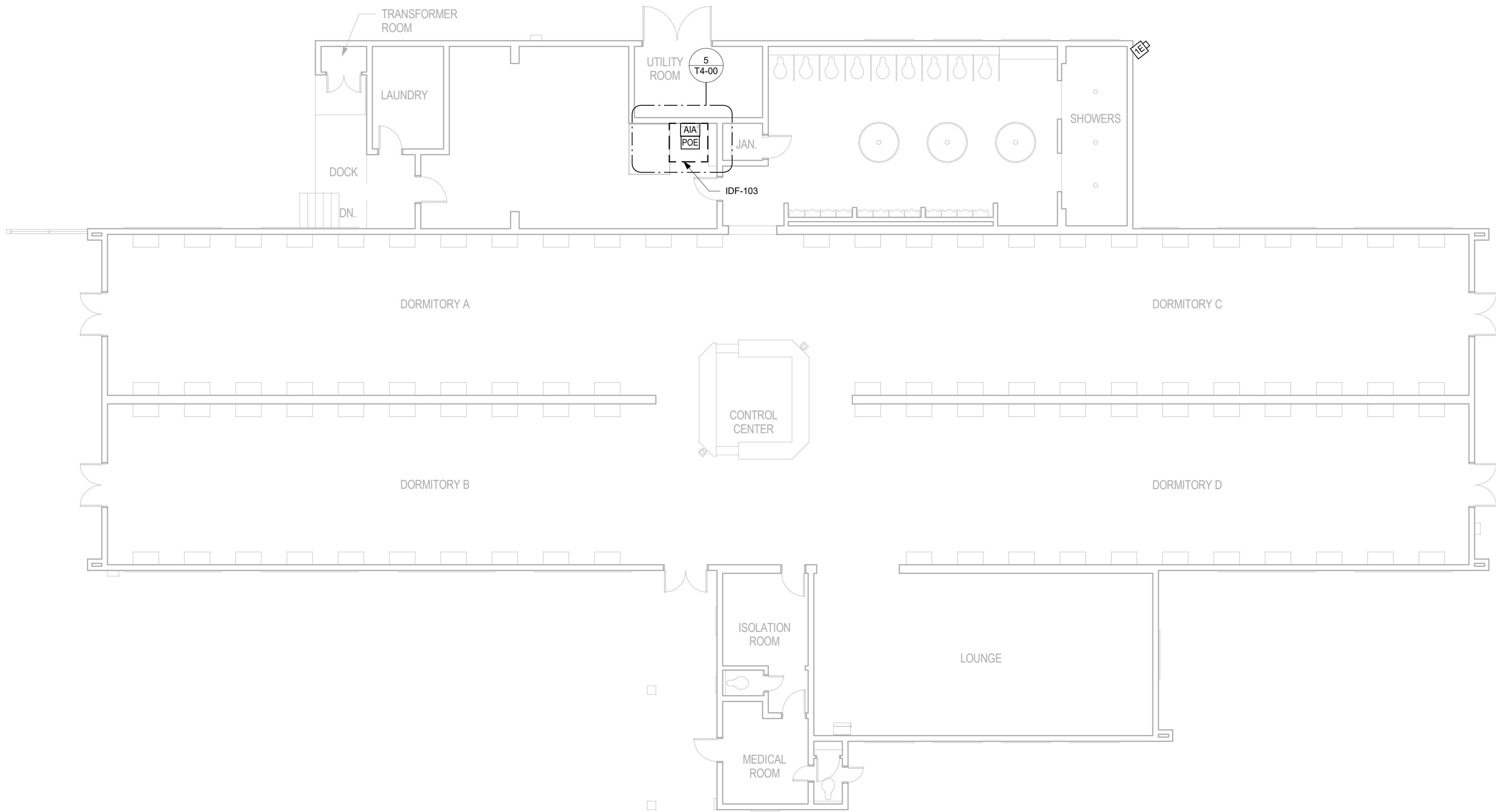


**1** TELECOM SITE PLAN  
1" = 30'-0"





2 TELECOM MECHANICAL BUILDING FLOOR PLAN  
1:180



1 TELECOM DORM FLOOR PLAN  
1/8" = 1'-0"

GENERAL NOTES:

- A. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
- B. COORDINATE CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECT AND OTHER TRADES PRIOR TO ROUGH-IN.



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ARCHITECT SEAL

CONSULTANT SEAL



BID SET

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NO.	ISSUED	DATE
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AGENCY APPLICATION NUMBER

UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT

LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE

TELECOM DORM AND  
MECHANICAL FLOOR PLAN

HZ PROJ. NO.

R311508.04

LA DPW SPEC. NO.

7701

PERMIT NO.

T1-01



GENERAL NOTES:

- A. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
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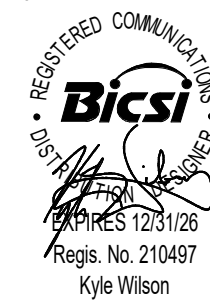
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AGENCY APPROVAL STAMP

PROJECT

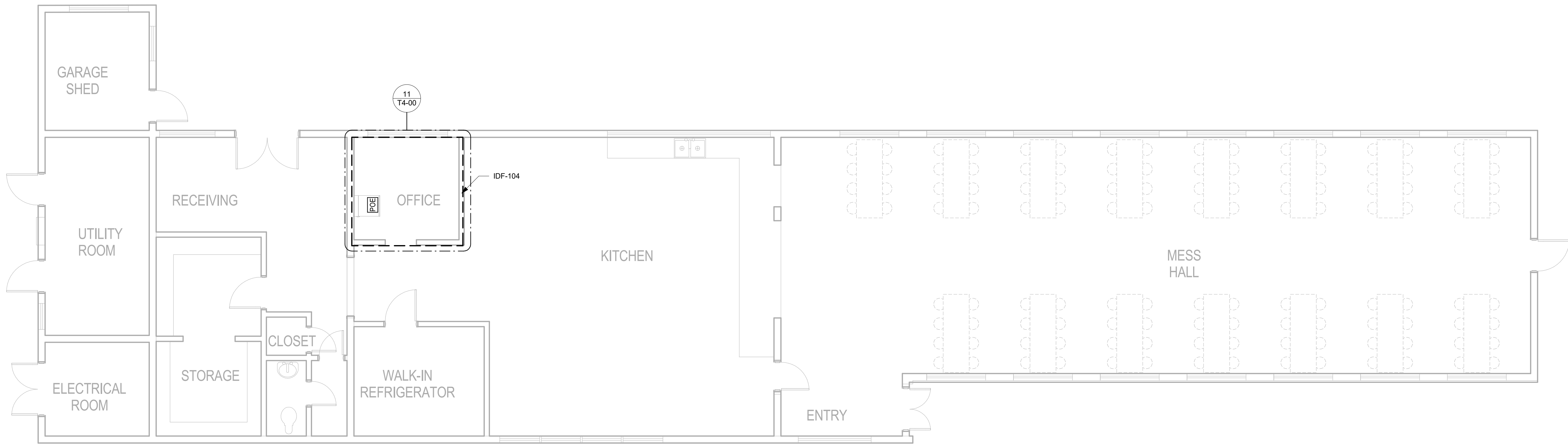
LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE

**TELECOM KITCHEN/MESS  
HALL FLOOR PLAN**

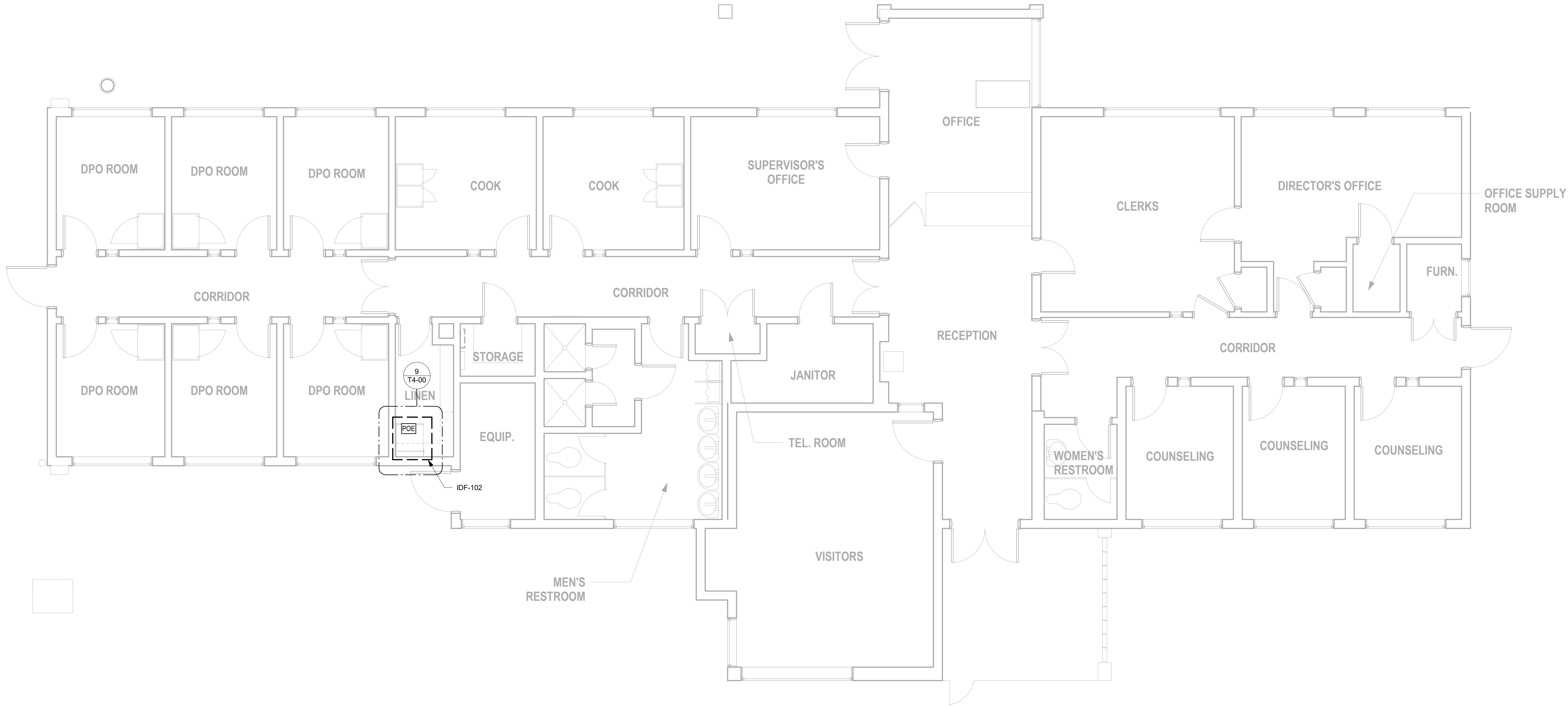
HZ PROJ. NO.	R311508.04	LA DPW SPEC. NO.	7701
		PERMIT NO.	

**T1-02**



1 TELECOM KITCHEN/MESS HALL FLOOR PLAN  
3/16" = 1'-0"





1 TELECOM ADMIN BUILDING FLOOR PLAN  
1/4" = 1'-0"

GENERAL NOTES:

- A. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
- B. COORDINATE CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECT AND OTHER TRADES PRIOR TO ROUGH-IN.

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CONSULTANT  
**Exante360**  
895 DOVE ST. 3RD FLOOR  
NEWPORT BEACH, CA 92660  
949.324.3547

ARCHITECT SEAL

CONSULTANT SEAL



**BID SET**

ISSUED BLOCK / HISTORY LOG

NO.	ISSUED	DATE
	PLAN CHECK BID SET	05/03/2024 11/11/2024

AGENCY APPLICATION NUMBER

UNC-MECH240510001771

AGENCY APPROVAL STAMP

PROJECT

LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE

**TELECOM ADMIN BUILDING  
FLOOR PLAN**

HZ PROJ. NO.

R311508.04

LA DPW SPEC. NO.

7701

PERMIT NO.

**T1-03**



GENERAL NOTES:

- A. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
- B. COORDINATE CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECT AND OTHER TRADES PRIOR TO ROUGH-IN.



555 W. Fifth Street Suite 2950 | Los Angeles, CA 90013 USA  
Phone 310.820.4500 | Fax 310.207.4215  
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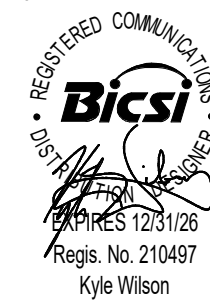
900 SOUTH FREMONT AVENUE  
ALHAMBRA, CA 91803  
TEL: 626.458.5100



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AGENCY APPROVAL STAMP

PROJECT

LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE

TELECOM RECREATION  
BUILDING FLOOR PLAN

HZ PROJ. NO.

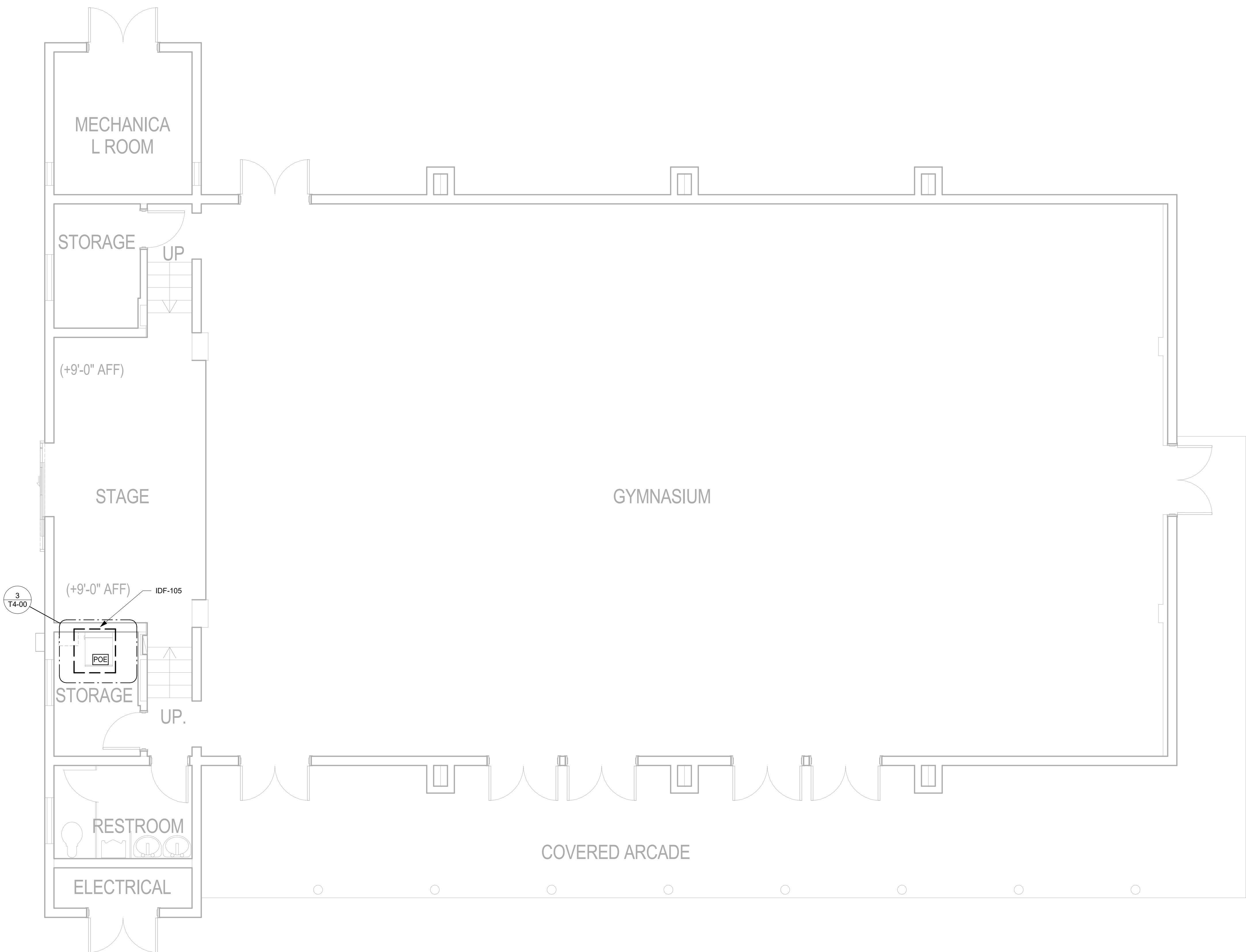
R311508.04

LA DPW SPEC. NO.

7701

PERMIT NO.

T1-04



1 TELECOM RECREATION BUILDING FLOOR PLAN  
3/16" = 1'-0"



GENERAL NOTES:

- A. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
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Exante360

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NEWPORT BEACH, CA 92660  
949.324.3547

ARCHITECT SEAL

CONSULTANT SEAL  

BICS

REGISTERED CONSULTANT  
EX-1251/26  
KYLE WILSON

BID SET

ISSUED BLOCK / HISTORY LOG

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AGENCY APPLICATION NUMBER  
UNC-MECH240510001771

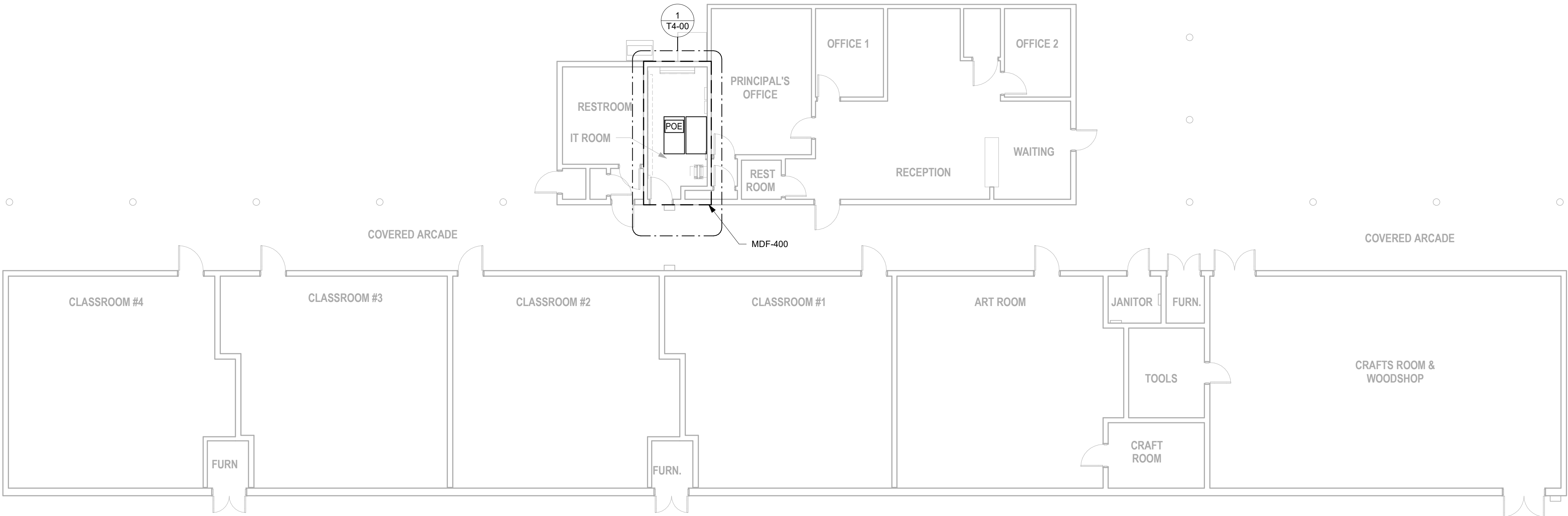
AGENCY APPROVAL STAMP

PROJECT  
LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE  
TELECOM SCHOOL  
BUILDING FLOOR PLAN

HZ PROJ. NO. R311508.04 LA DPW SPEC. NO. 7701  
PERMIT NO.

T1-05



1 TELECOM SCHOOL BUILDING FLOOR PLAN  
1/8" = 1'-0"



GENERAL NOTES:

- A. ALL CABLING SHALL BE WITHIN MIN. 3/4" CONDUIT. CONTRACTOR MAY COMBINE CONDUITS WHILE MAINTAINING MINIMUM 40% FILL RATIO.
- B. COORDINATE CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECT AND OTHER TRADES PRIOR TO ROUGH-IN.

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CONSULTANT

Exante360

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ARCHITECT SEAL

CONSULTANT SEAL

BICS

REGISTERED CONSULTANT  
EX-125126  
Regis. No. 210487  
Kyle Wilson

BID SET

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AGENCY APPLICATION NUMBER  
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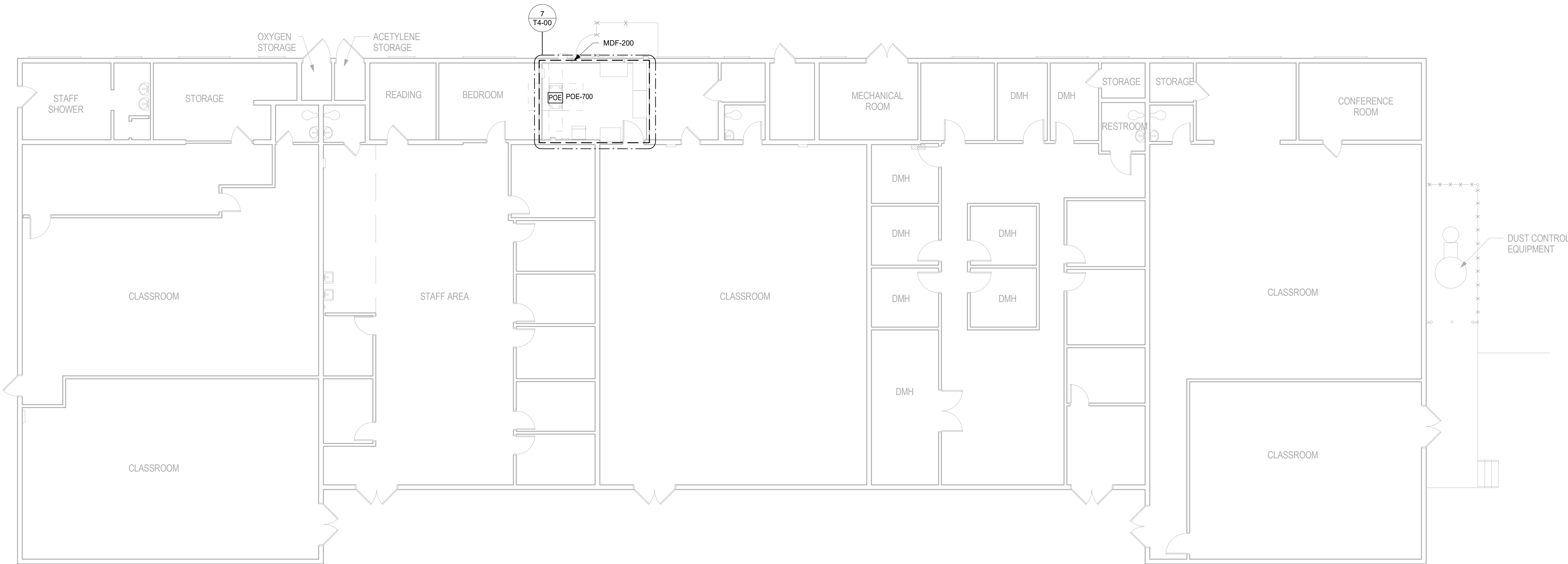
AGENCY APPROVAL STAMP

PROJECT  
LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE  
TELECOM SCHOOL ANNEX  
FLOOR PLAN

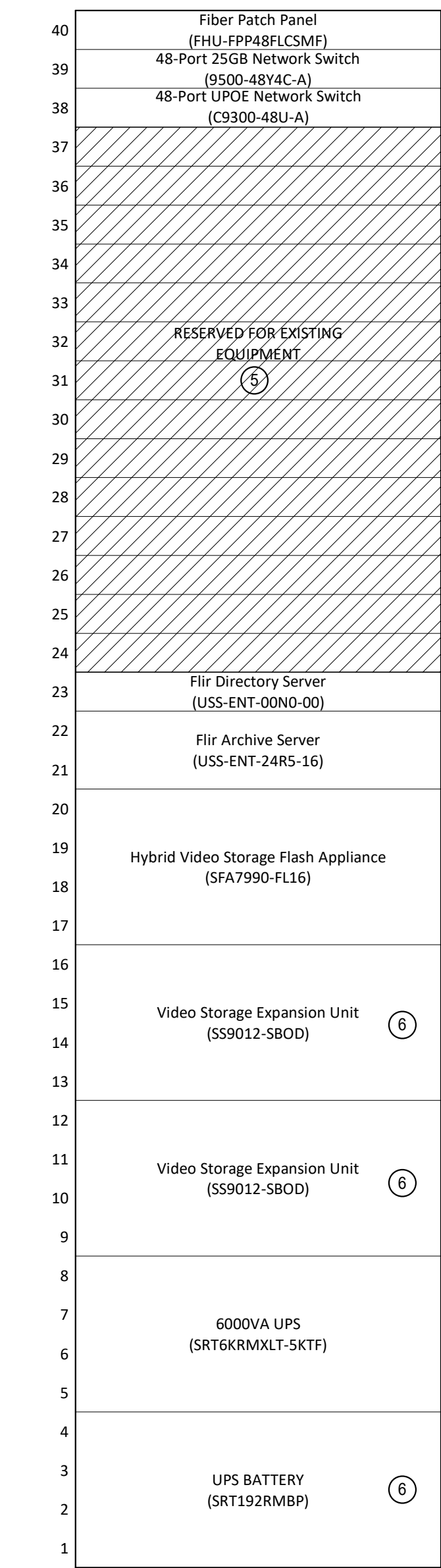
HZ PROJ. NO.	R311508.04	LA DPW SPEC. NO.	7701
		PERMIT NO.	

T1-06

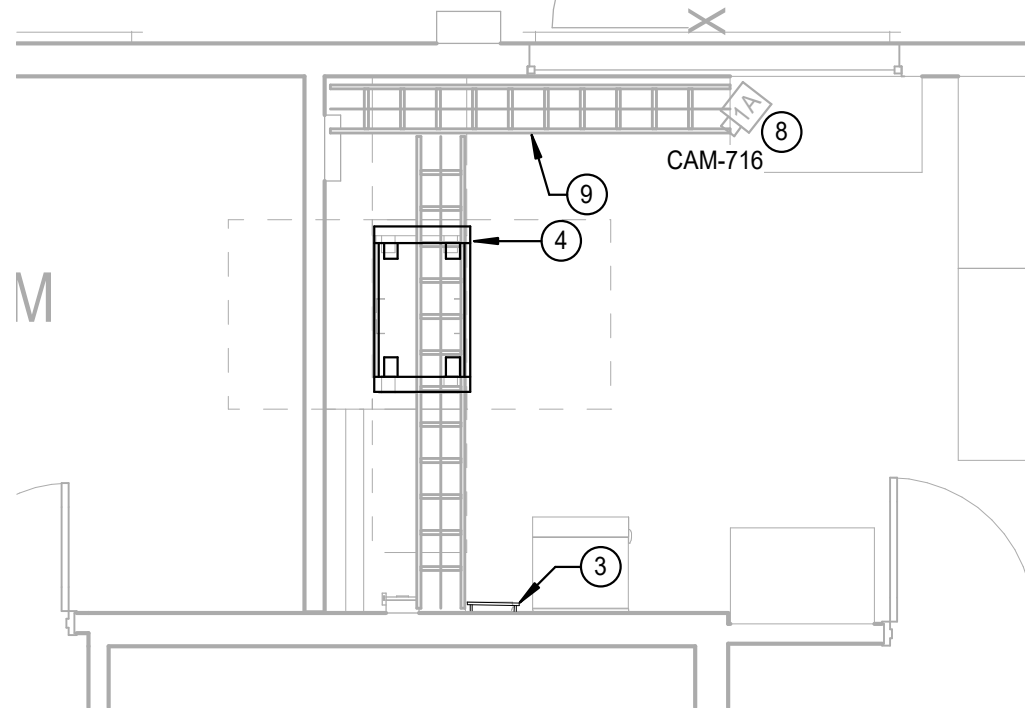


1 TELECOM SCHOOL ANNEX BUILDING FLOOR PLAN  
1/8" = 1'-0"

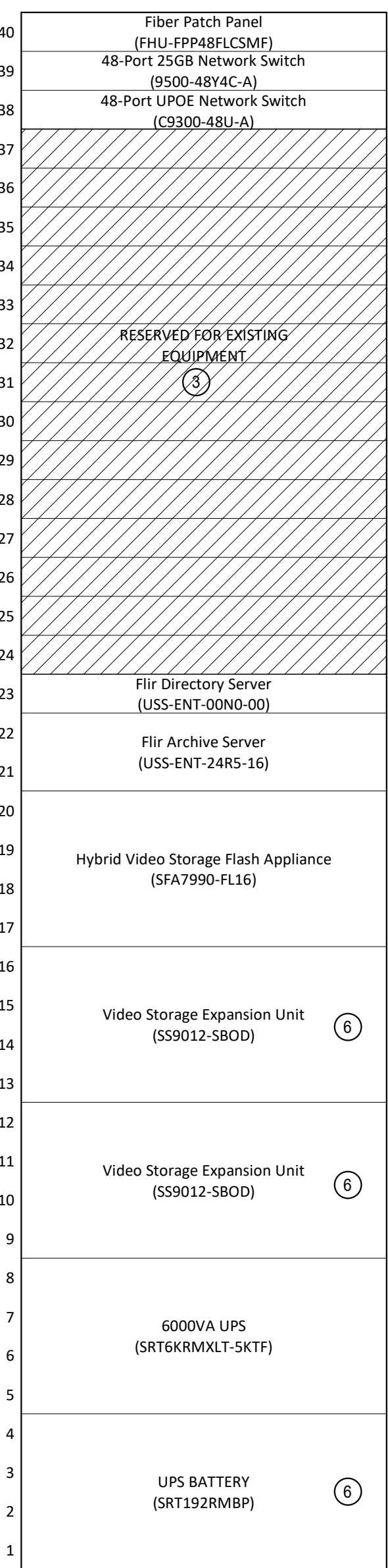




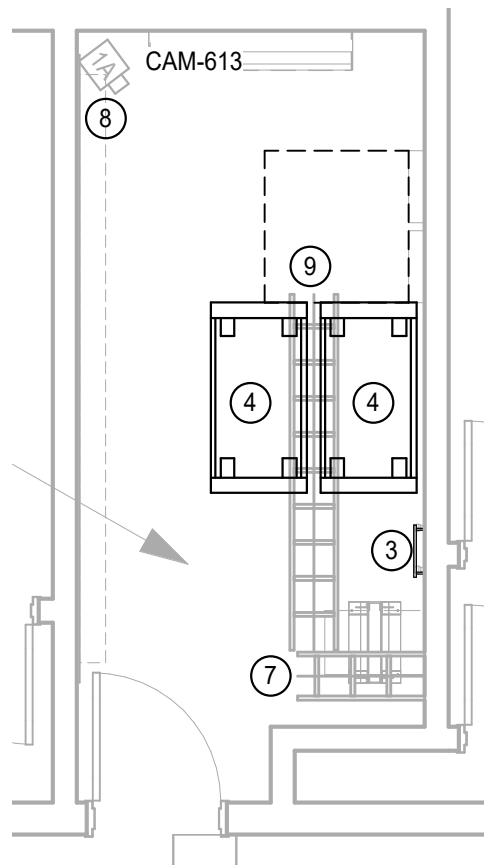
8 MDF-200 RACK ELEVATION  
N.T.S.



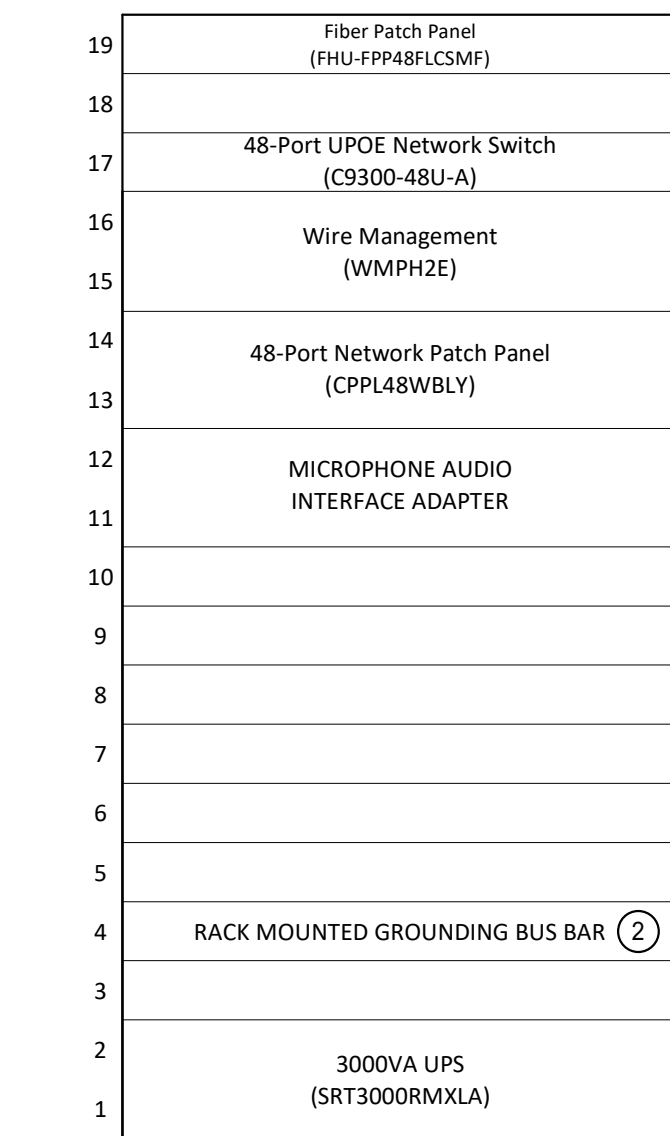
7 SCHOOL ANNEX MDF-200 AND RACK ELEVATION  
1/4" = 1'-0"



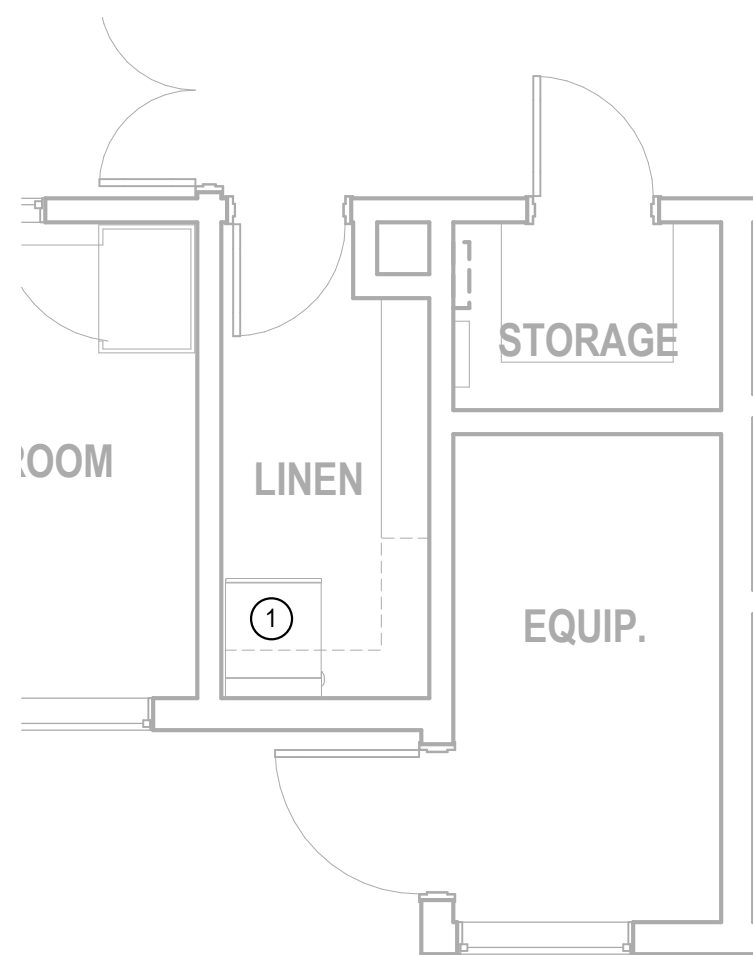
2 MDF-400 RACK ELEVATION  
N.T.S.



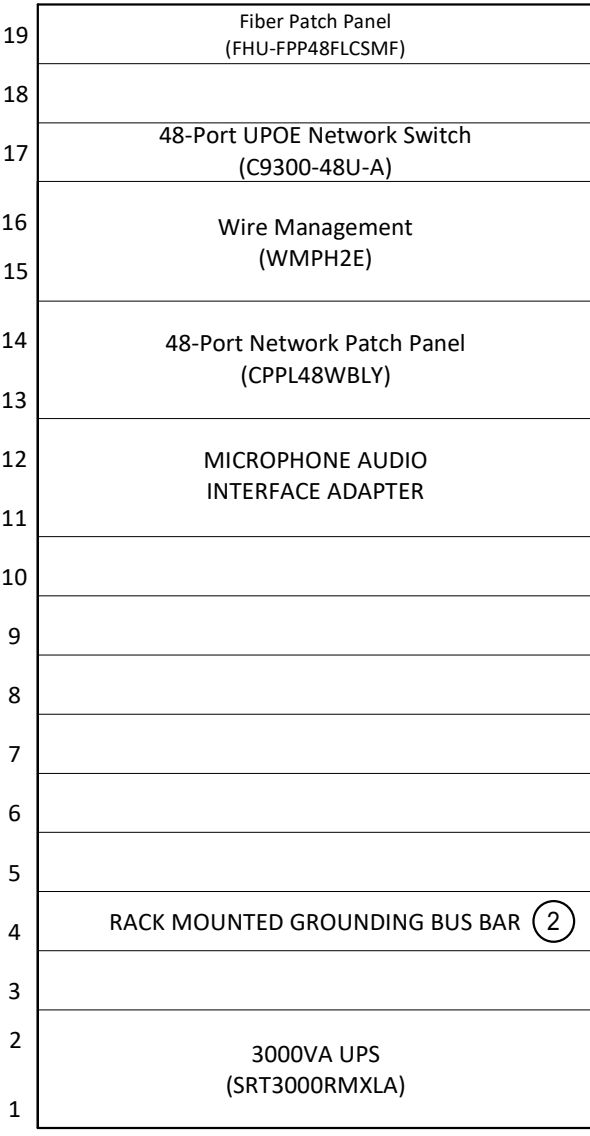
1 SECURITY SCHOOL MDF-400 AND RACK ELEVATION  
1/4" = 1'-0"



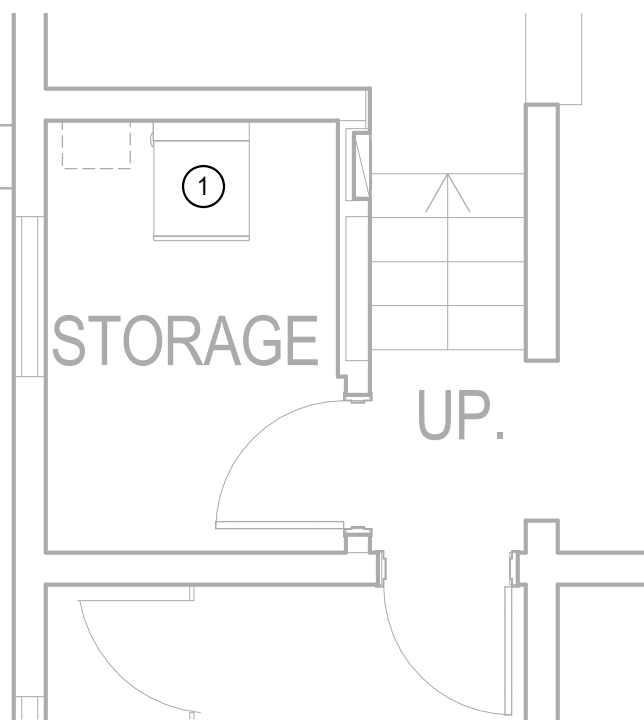
10 IDF-102 RACK ELEVATION  
N.T.S.



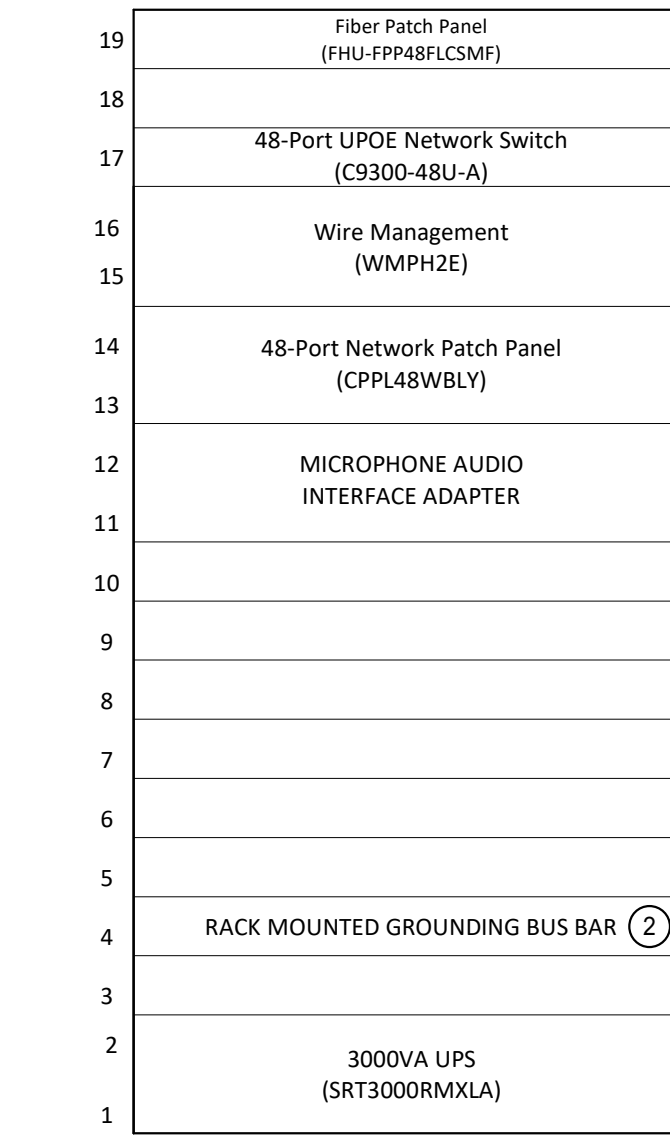
9 SECURITY ADMIN BUILDING IDF-102 AND RACK ELEVATION  
1/4" = 1'-0"



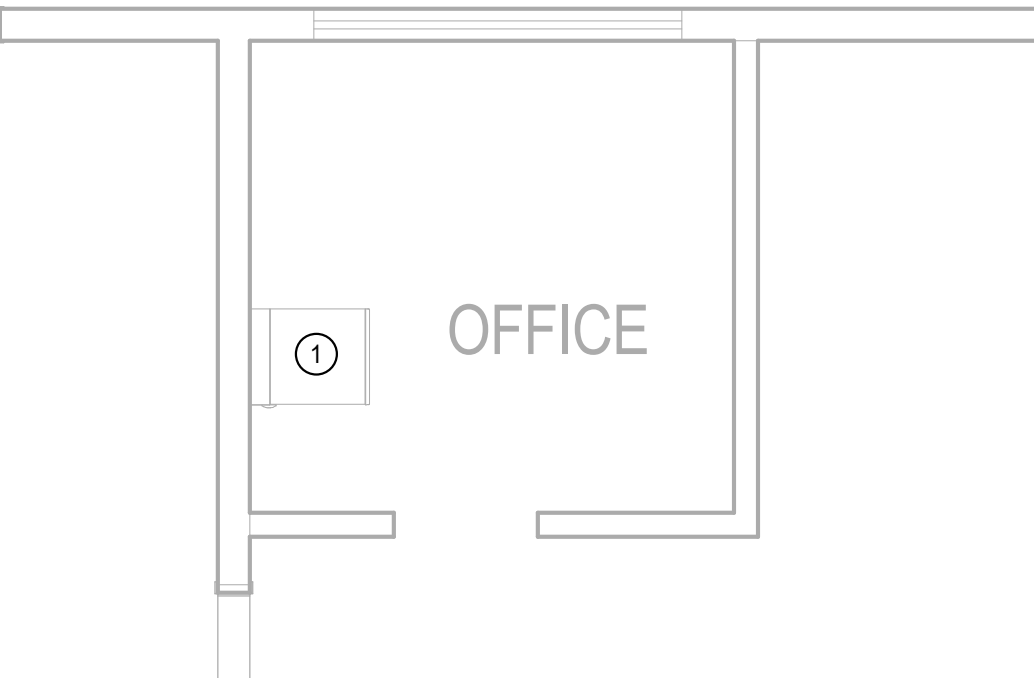
4 IDF-105 RACK ELEVATION  
N.T.S.



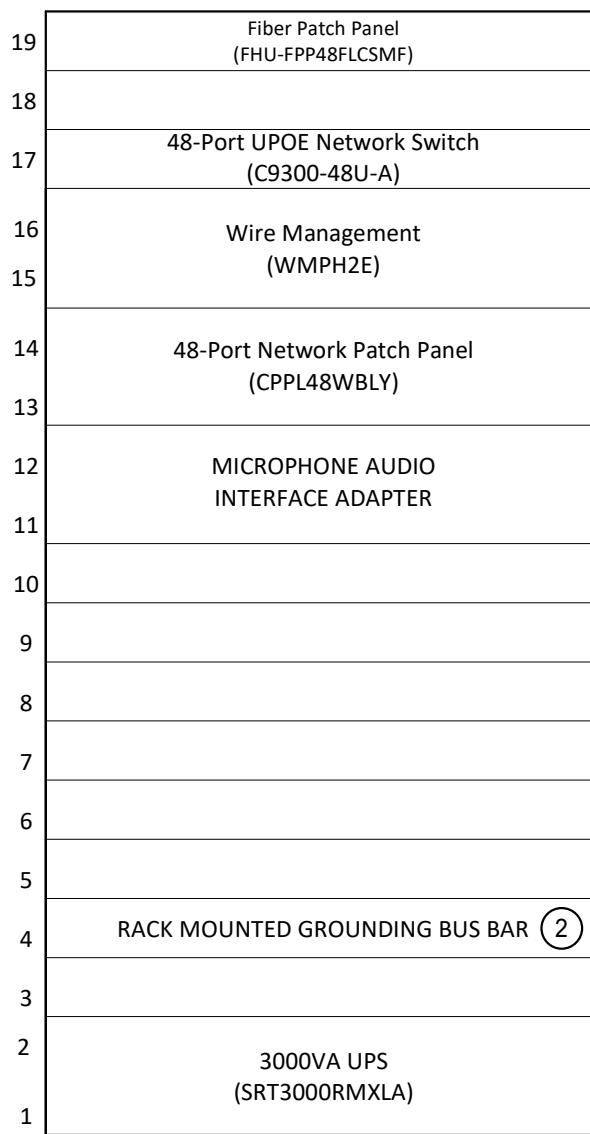
3 GYM IDF-105 AND RACK ELEVATION  
1/4" = 1'-0"



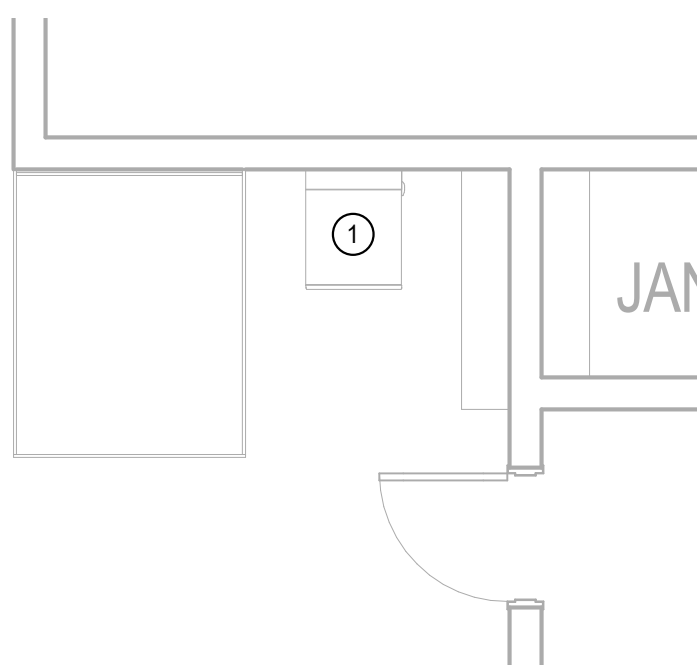
12 IDF-104 RACK ELEVATION  
N.T.S.



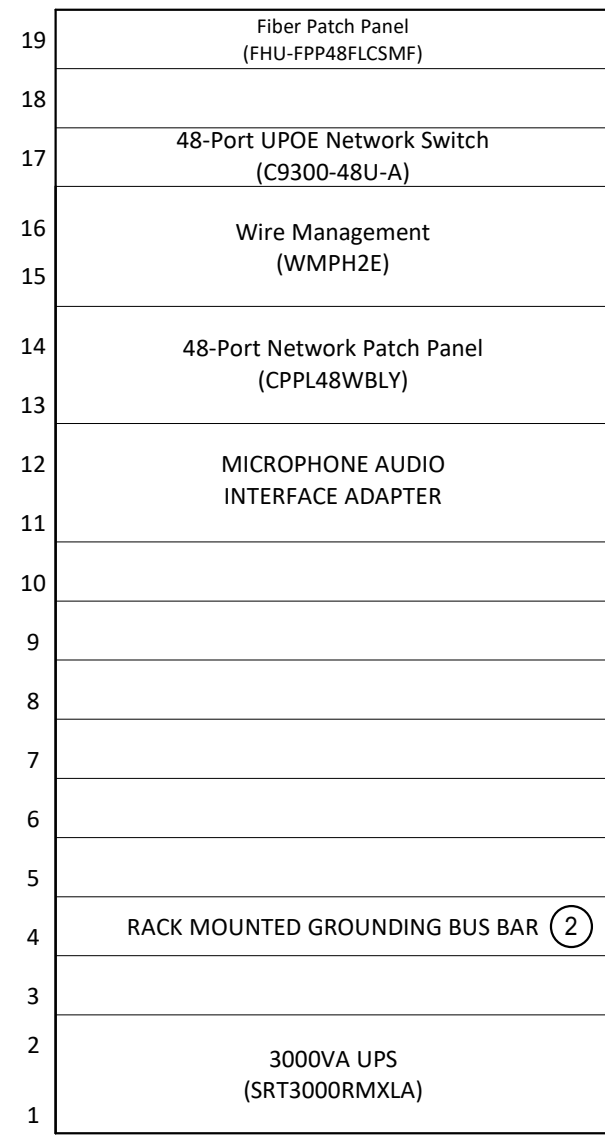
11 KITCHEN IDF-104 AND RACK ELEVATION  
1/4" = 1'-0"



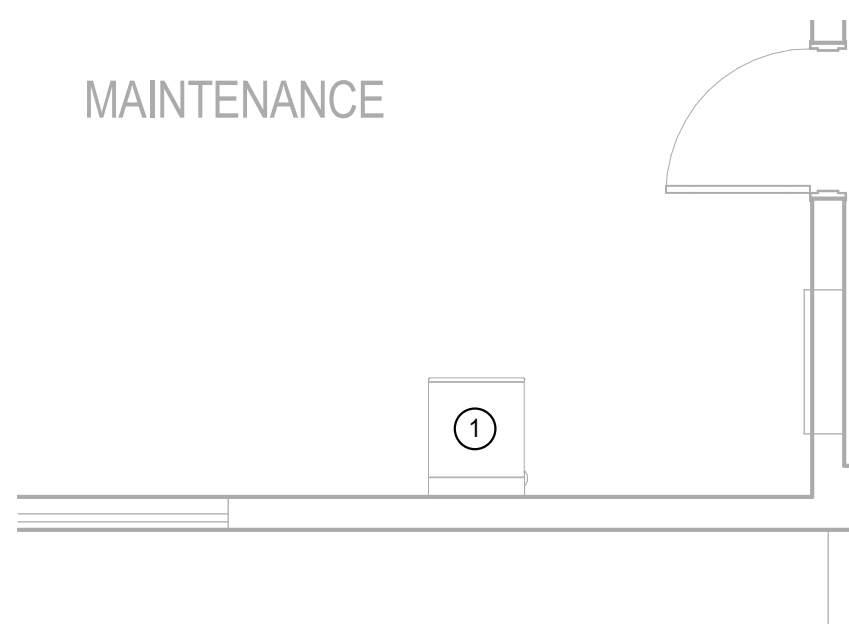
6 IDF-103 RACK ELEVATION  
N.T.S.



5 DORM IDF-103 AND RACK ELEVATION  
1/4" = 1'-0"



14 IDF-106 RACK ELEVATION  
N.T.S.



13 MECHANICAL BUILDING IDF-106 AND RACK ELEVATION  
1/4" = 1'-0"

SHEET NOTES:

- NEW CUBE-IT WALL MOUNT CABINET (19U), 36"H X 24"W X 30"D. MOUNT CABINET AT 48" A.F.F.
- ELECTRICAL CONTRACTOR SHALL PROVIDE GROUND CONNECTION TO BUS BAR VIA #6 AWG STRANDED CABLE.
- SECONDARY BONDING BUSBAR @ 18" A.F.F. SEE DETAIL 575-01. ELECTRICAL CONTRACTOR SHALL PROVIDE GROUND CONNECTION TO BUS BAR VIA #6 AWG STRANDED CABLE.
- NEW 4 POST FLOOR MOUNT RACK
- 12"W CABLE RUNWAY
- EQUIPMENT QUANTITY BY CONTRACTOR.
- EXISTING IDF RACK TO REMAIN. PROTECT IN PLACE.
- NEW SECURITY CAMERA. SEE SECURITY DRAWINGS FOR FURTHER INFORMATION.
- NEW 12" CABLE TRAY.

GENERAL NOTES:

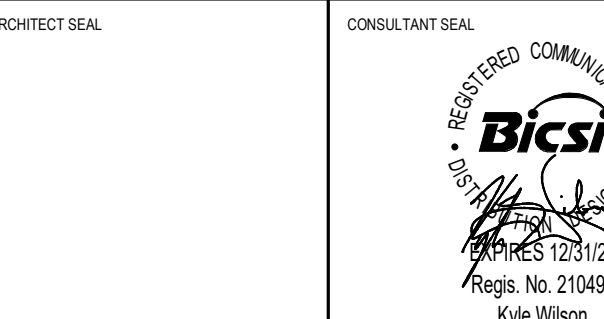
- FINAL RACK LOCATIONS SHALL BE FIELD COORDINATED WITH OWNER, DESIGN TEAM, AND OTHER TRADES PRIOR TO INSTALLATION. NEW RACK LOCATIONS REQUIRE NEW POWER.
- EXISTING WALL RACK SHALL BE REMOVED AND REPLACED WITH 4 POST CABINET. EXISTING EQUIPMENT AND CABLING SHALL BE MIGRATED TO THE EXISTING 2 POST WHERE ABLE AND THE REMAINDER WILL BE PLACED IN THE NEW 4 POST. COORDINATE MIGRATION OF CABLING AND EQUIPMENT WITH OWNER.
- DIVISION 27 CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY SFP MODULES REQUIRED. COORDINATE FIBER BACKBONE DESIGN WITH ISD.
- MAINTAIN CODE REQUIRED CLEARANCE FROM EXISTING FIRE ALARM PANELS.



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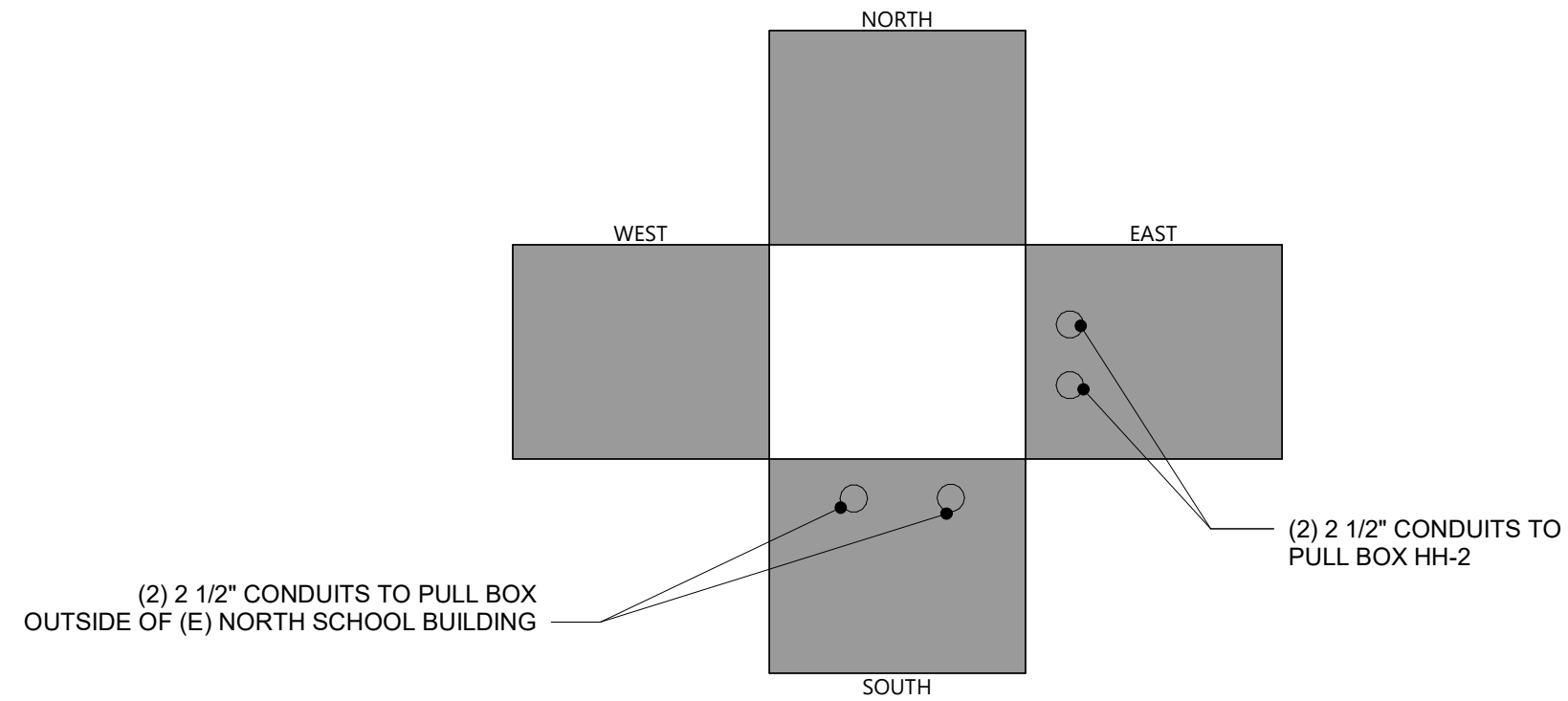
PROJECT  
LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM

SHEET TITLE  
TELECOM ENLARGED  
PLANS AND RACK  
ELEVATIONS

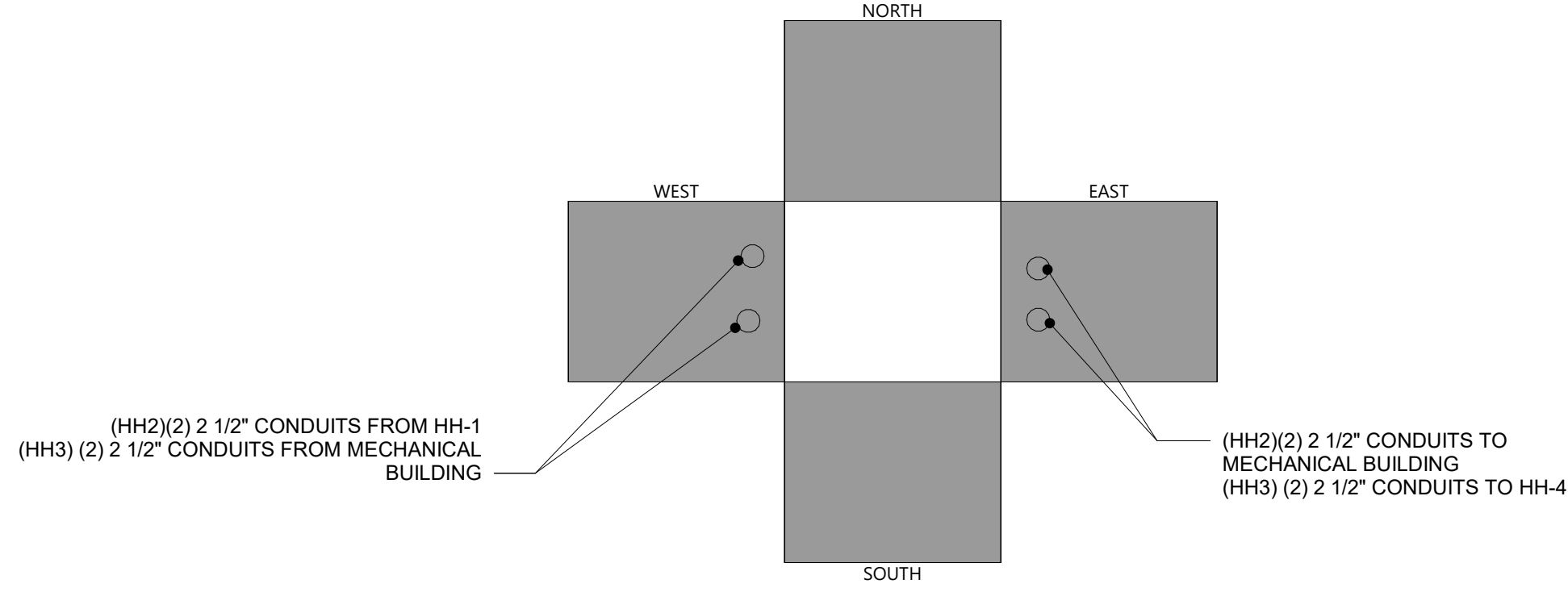
HZ PROJ. NO.	R311508.04	LA DPW SPEC. NO.	7701
		PERMIT NO.	

T4-00

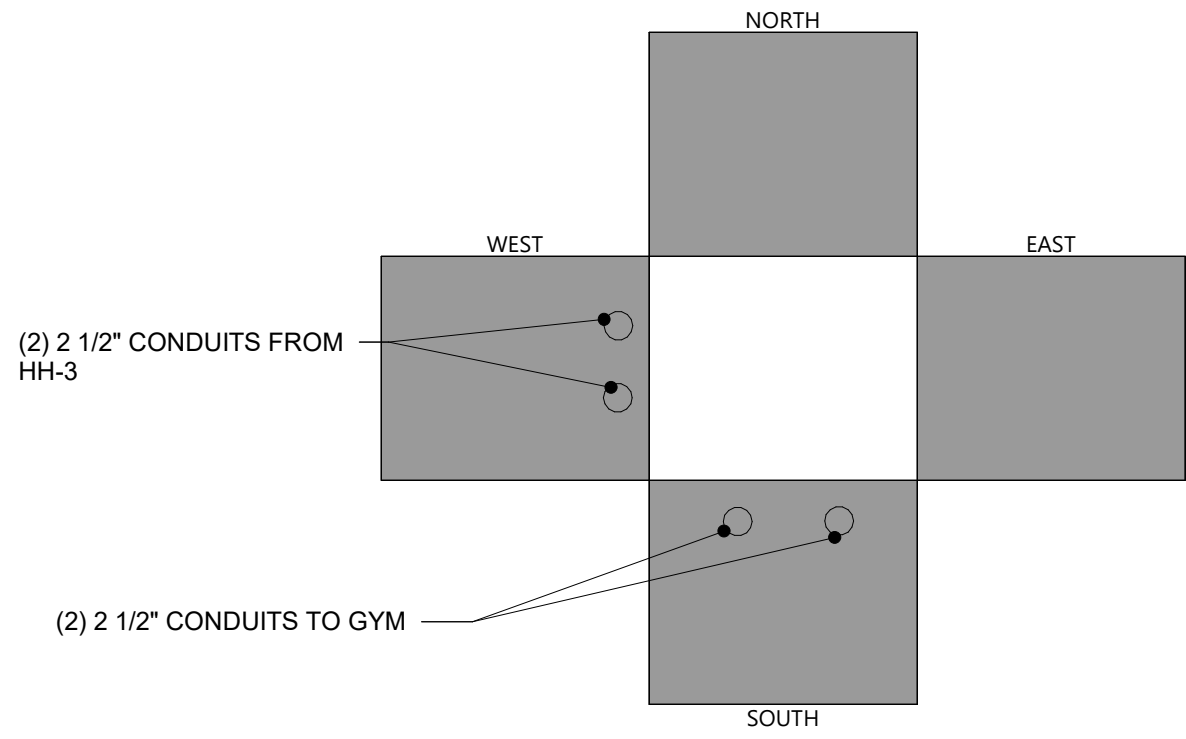




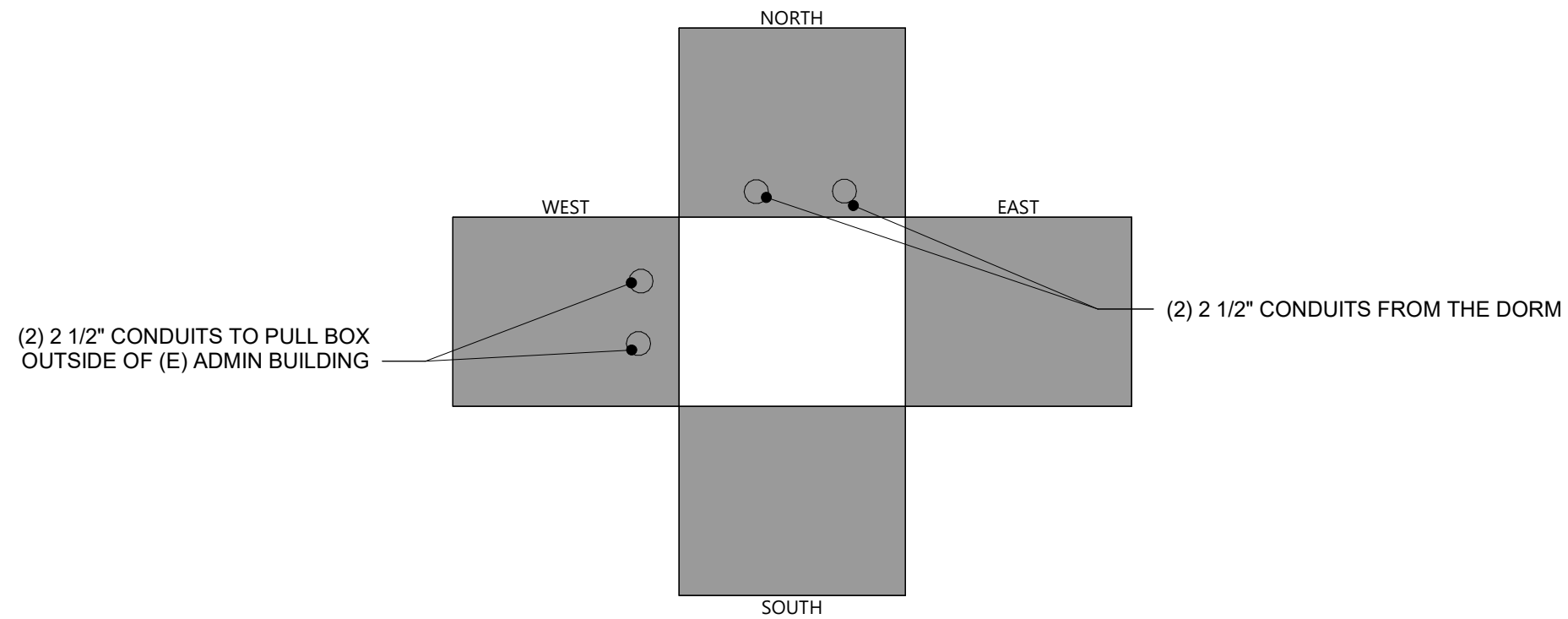
6 BUTTERFLY DETAILS HH-1  
N.T.S.



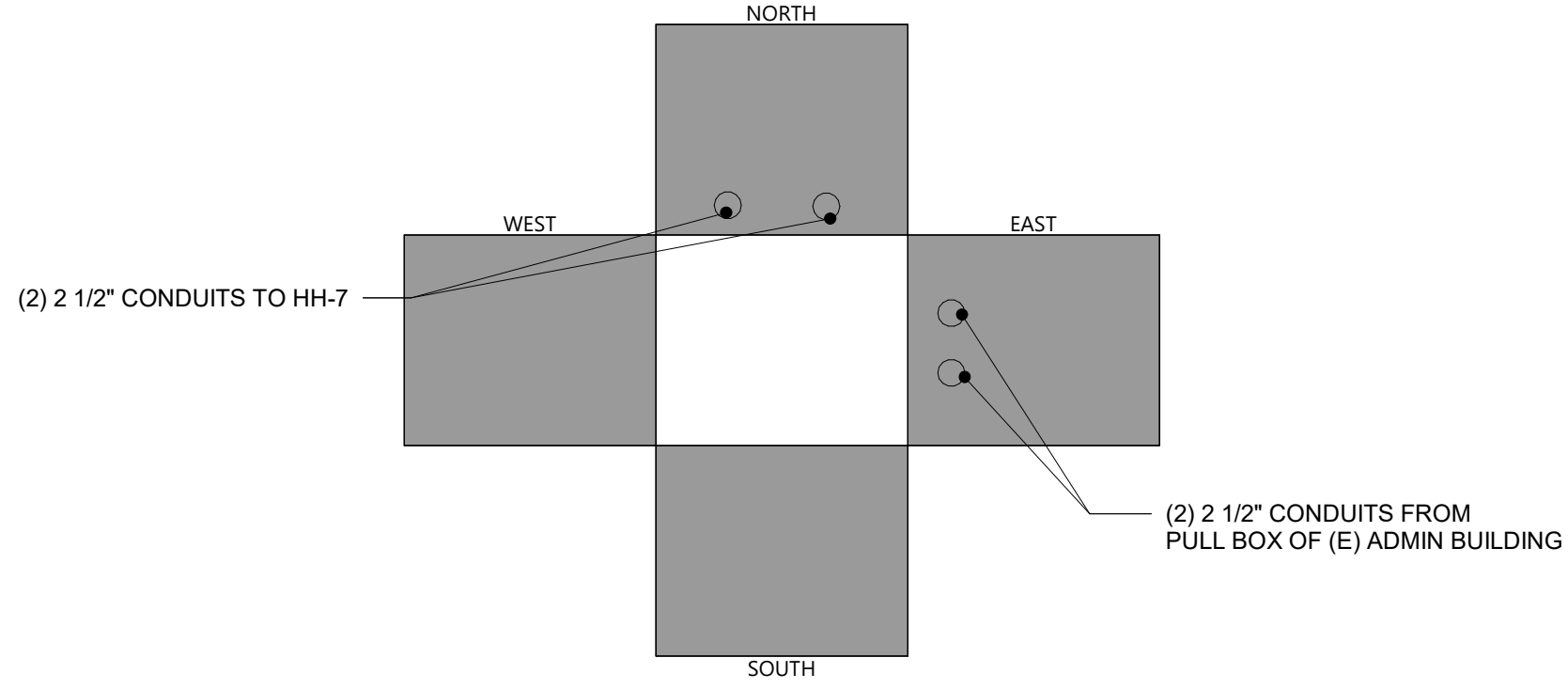
7 BUTTERFLY DETAILS HH-2&3  
N.T.S.



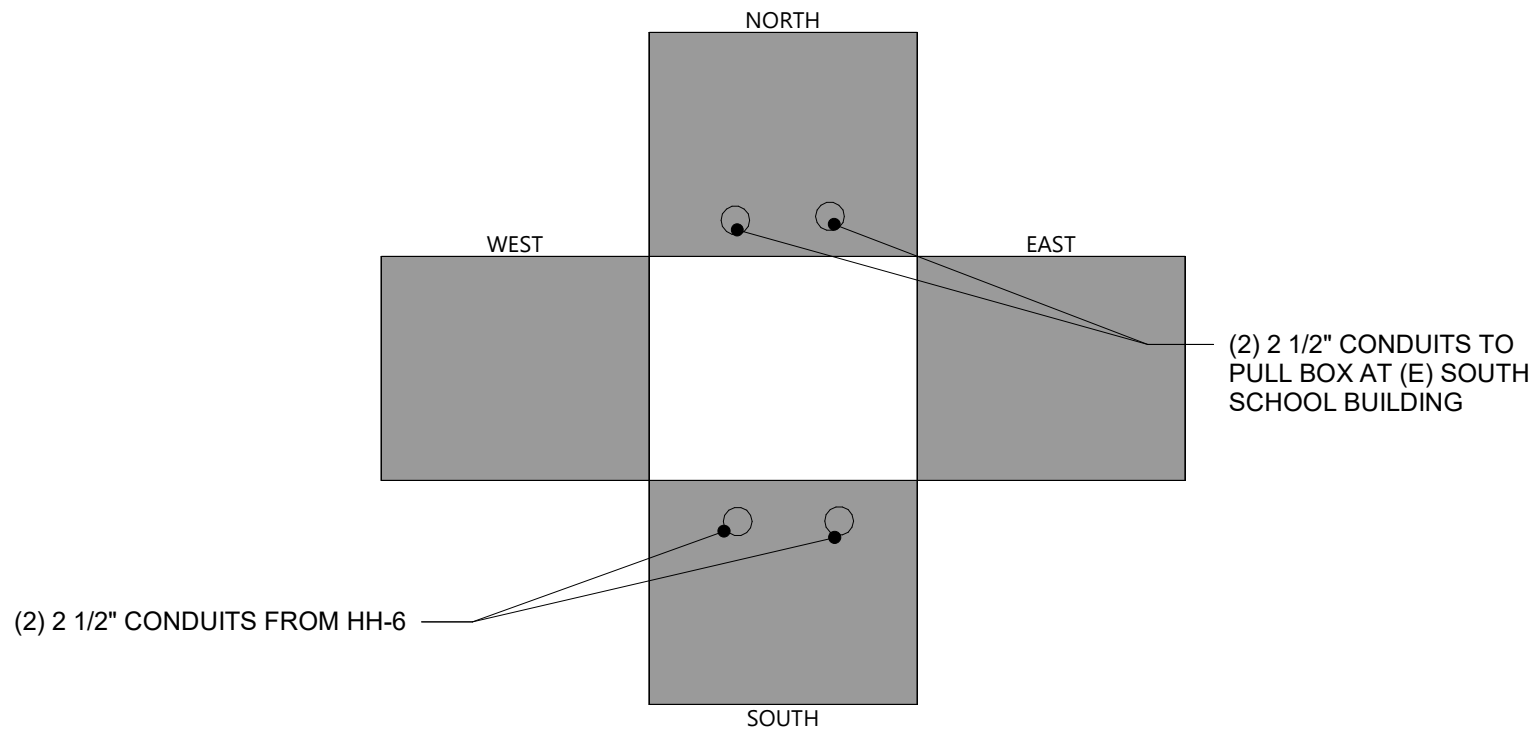
8 BUTTERFLY DETAILS HH-4  
N.T.S.



9 BUTTERFLY DETAILS HH-5  
N.T.S.



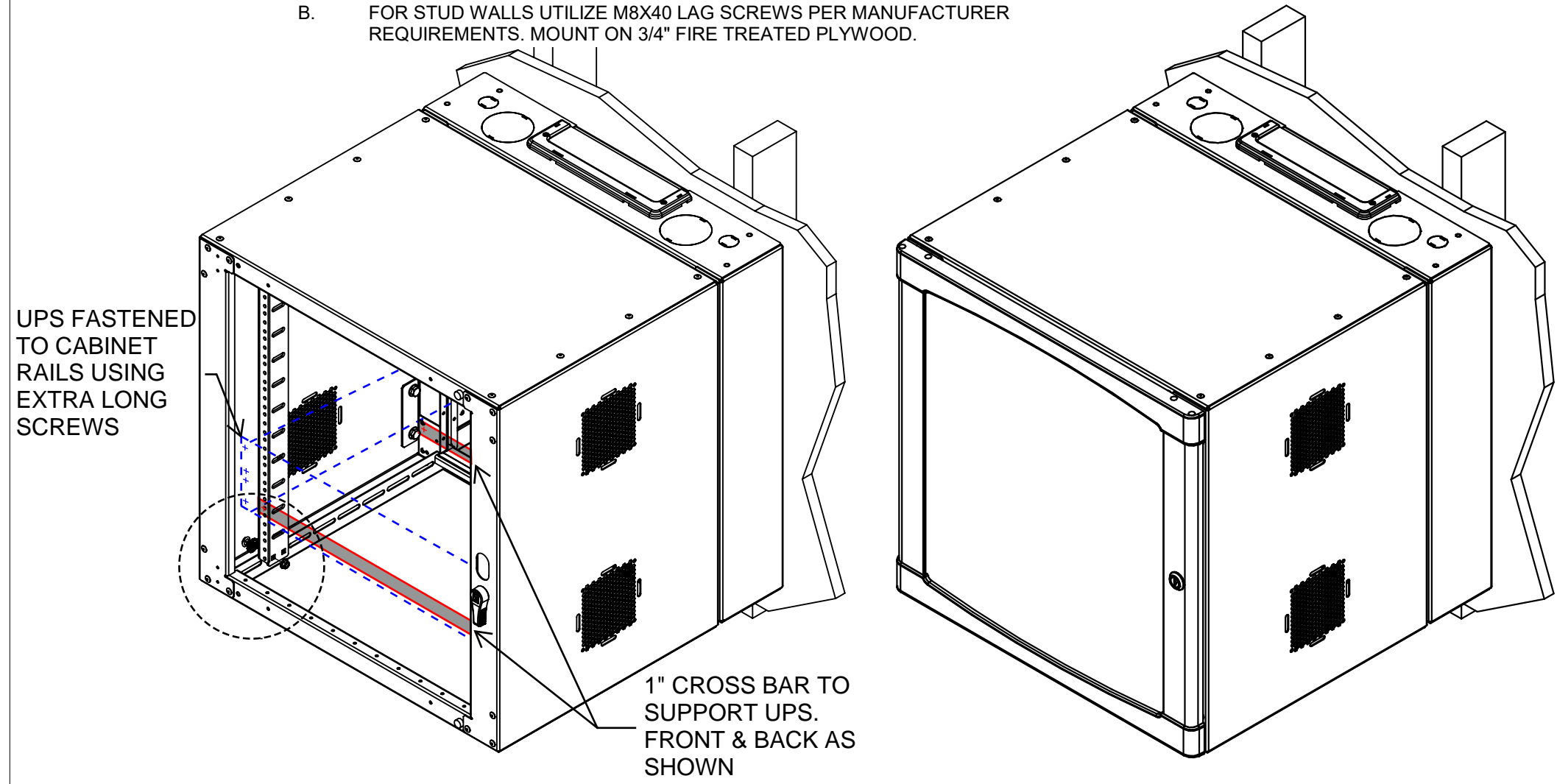
10 BUTTERFLY DETAILS HH-6  
N.T.S.



11 BUTTERFLY DETAILS HH-7  
N.T.S.

GENERAL NOTES:

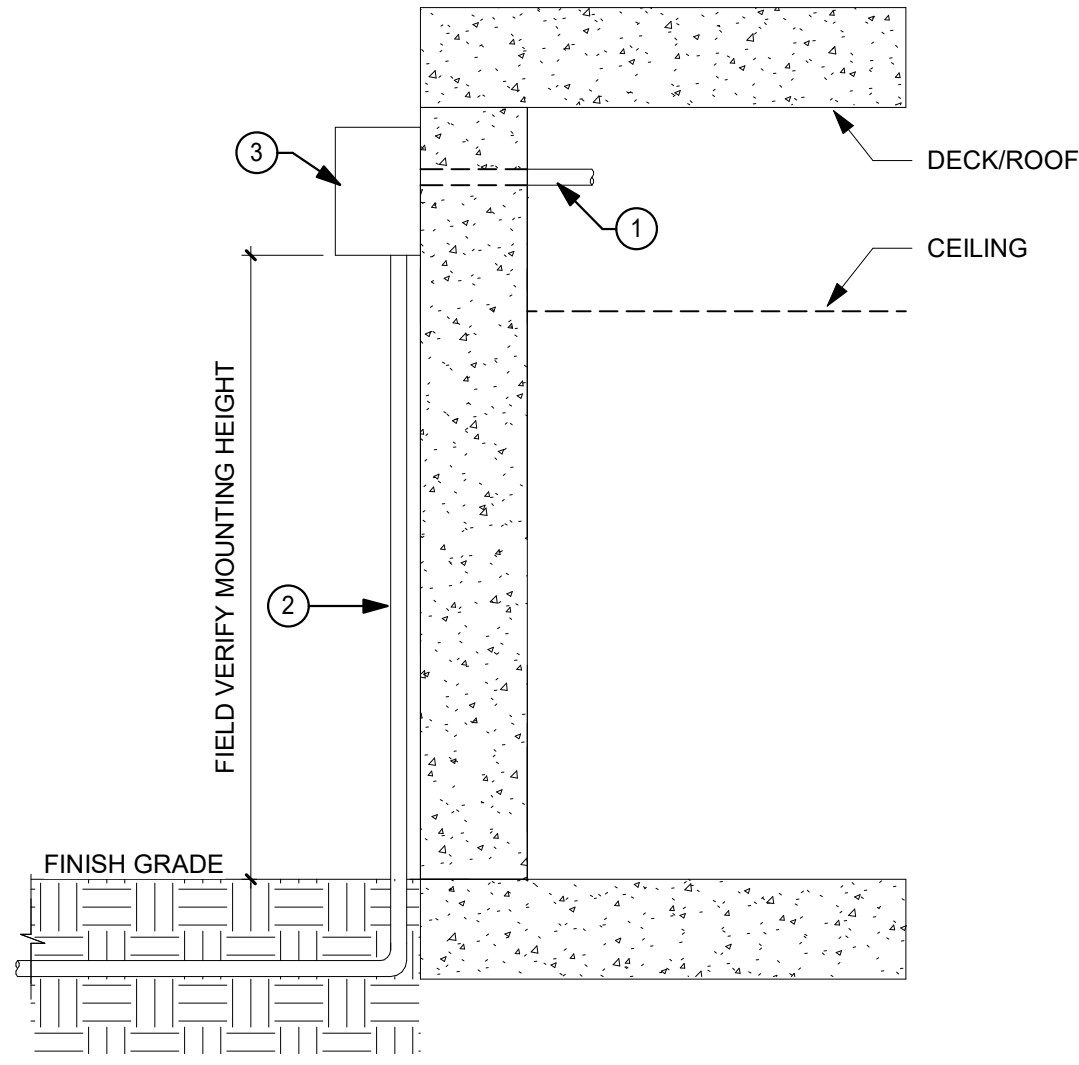
- A. FOR MASONRY WALLS UTILIZE 1/4" HILTI KBTZ ANCHORS.  
B. FOR STUD WALLS UTILIZE M8X40 LAG SCREWS PER MANUFACTURER REQUIREMENTS. MOUNT ON 3/4" FIRE TREATED PLYWOOD.



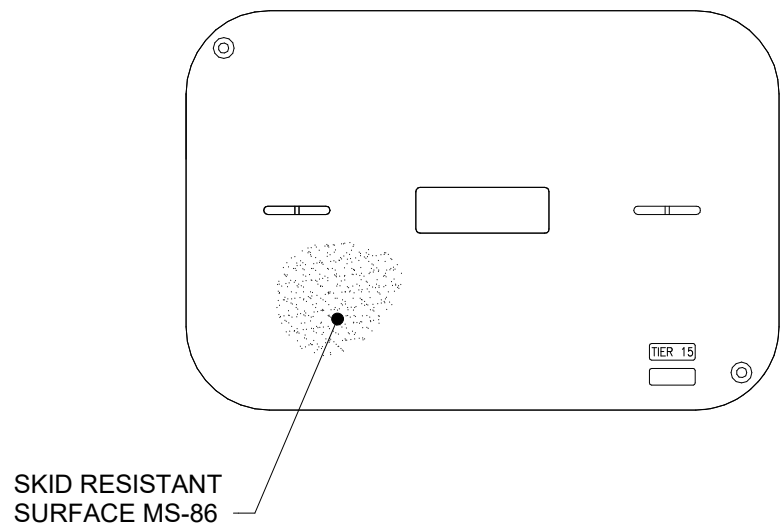
4 WALL MOUNT CABINET  
N.T.S.

NOTES TO DETAIL:

- 1 CONDUIT TO ACCESSIBLE CEILING. CABLE CAN UTILIZE NEW OR EXISTING J-HOOK INFRASTRUCTURE WITHIN ACCESSIBLE CEILING.  
2 CONDUITS - QUANTITY AND SIZE PER PLANS.  
3 STEEL NEMA BOX WITH DRIP HOLE. ENSURE CONDUIT ENTERS NEMA BOX MIN 2" WITH BUSHING.



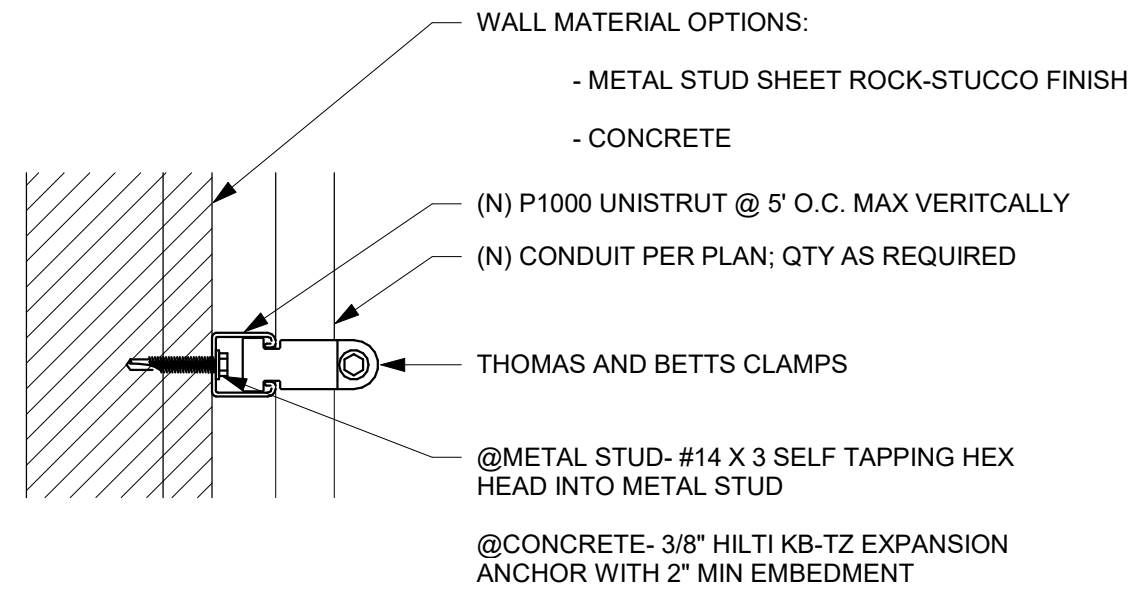
5 TYPICAL NEMA BOX MOUNTING DETAIL  
N.T.S.



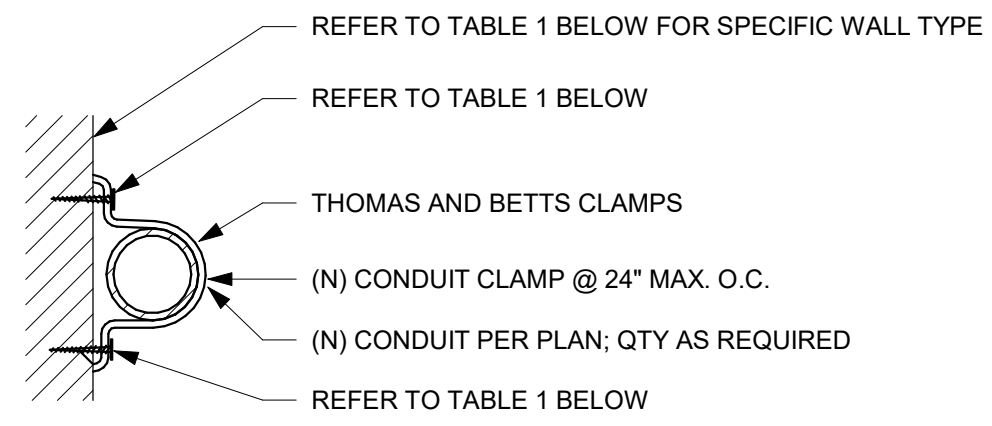
GENERAL NOTES:

- A. REFER TO SPECIFICATION SECTION 27 05 28 / 2.1 / B FOR FURTHER DETAIL.

3 HAND-HOLE DETAIL  
N.T.S.



VERTICAL CONDUIT MOUNTING



CONDUIT MOUNTING ON WALL

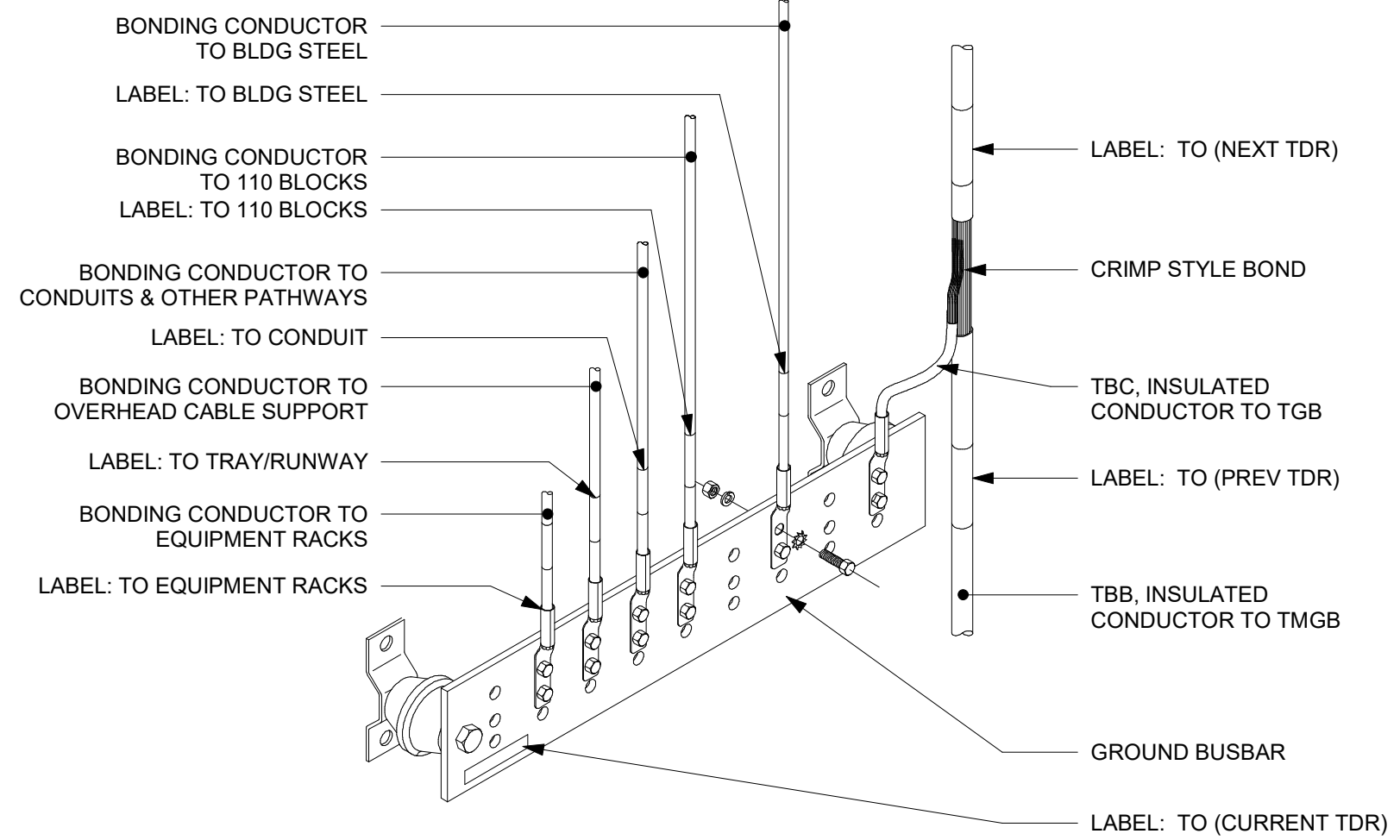
TABLE

WALL TYPE	ANCHORAGE
DRYWALL OVER METAL STUDS	#14 x 3 SELF TAPPING HEX HEAD INTO METAL STUD
PLYWOOD	#14 x 1" WOOD SCREWS
CONCRETE	3/8" HILTI KB-TZ BOLT WITH 2" EMBEDMENT, PER ICC ESR 1917

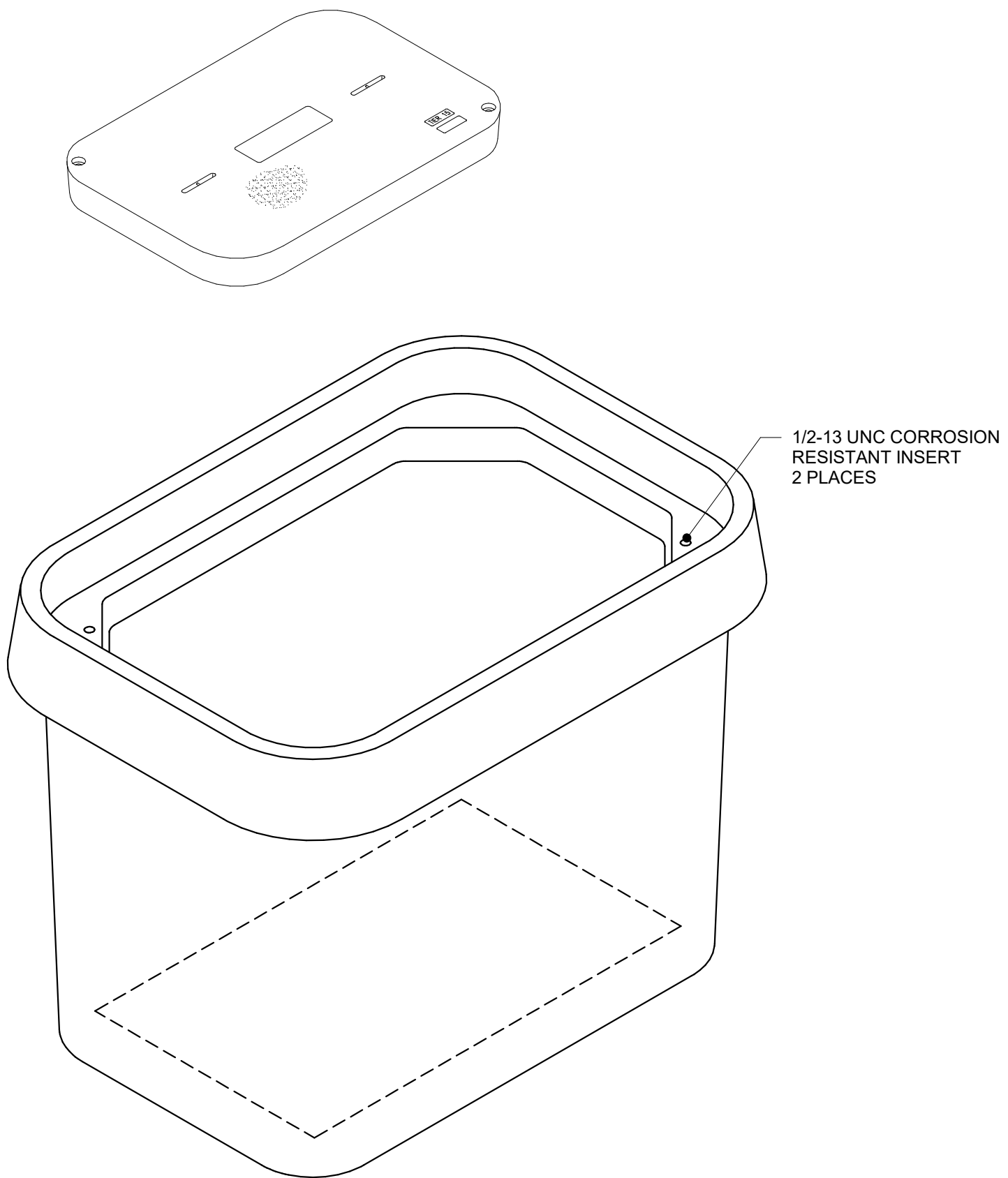
1 CONDUIT MOUNTING - VERTICAL AND HORIZONTAL  
N.T.S.

GENERAL NOTES:

- A. PROVIDE COMPLETE WITH APPROPRIATE MOUNTING HARDWARE (BOLTS, NUTS, LOCKWASHERS, STAND OFF BRACKETS AND INSULATORS), MOUNTING HOLES, SLOTS AND LUGS.  
B. ASSEMBLED GROUND BARS SHALL BE FABRICATED FROM STOCKLIST AND DETAIL DRAWINGS CONTAINED WITH THIS EXHIBIT.  
C. BUSBAR CONNECTORS SHALL UTILIZE 2 HOLE COMPRESSION CONNECTERS.



2 BUS BAR DETAIL  
N.T.S.



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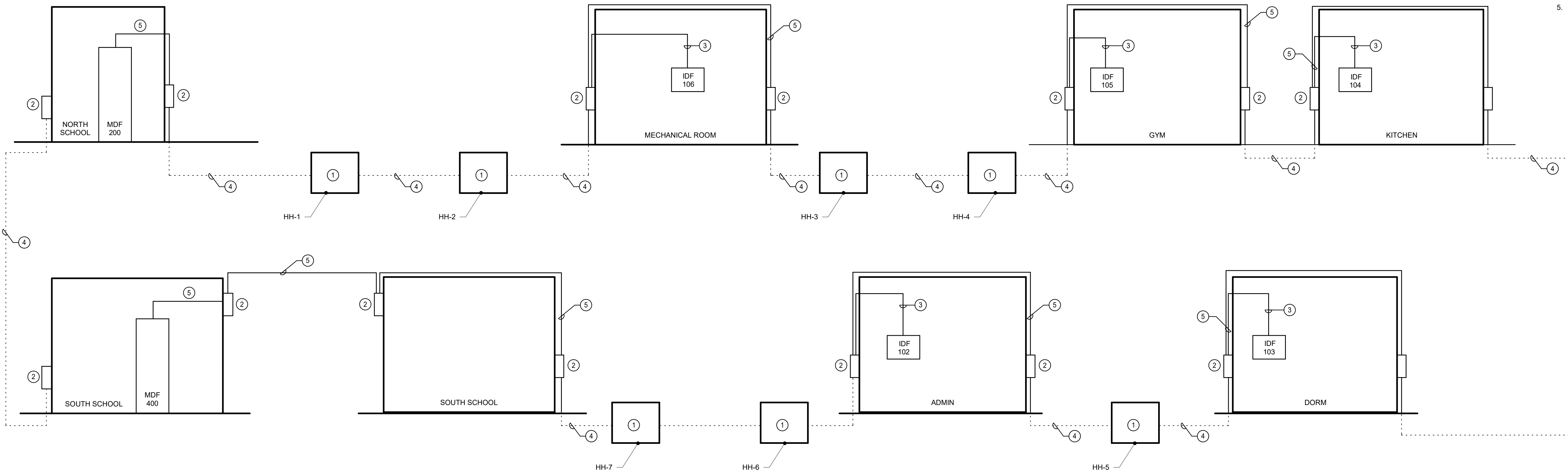
PROJECT  
**LAC DPW AFFLERBAUGH PAIGE CAMP  
CCTV SYSTEM**

SHEET TITLE  
**TELECOM DETAILS**

HZ PROJ. NO.	R311508.04	LA DPW SPEC. NO.	7701
		PERMIT NO.	

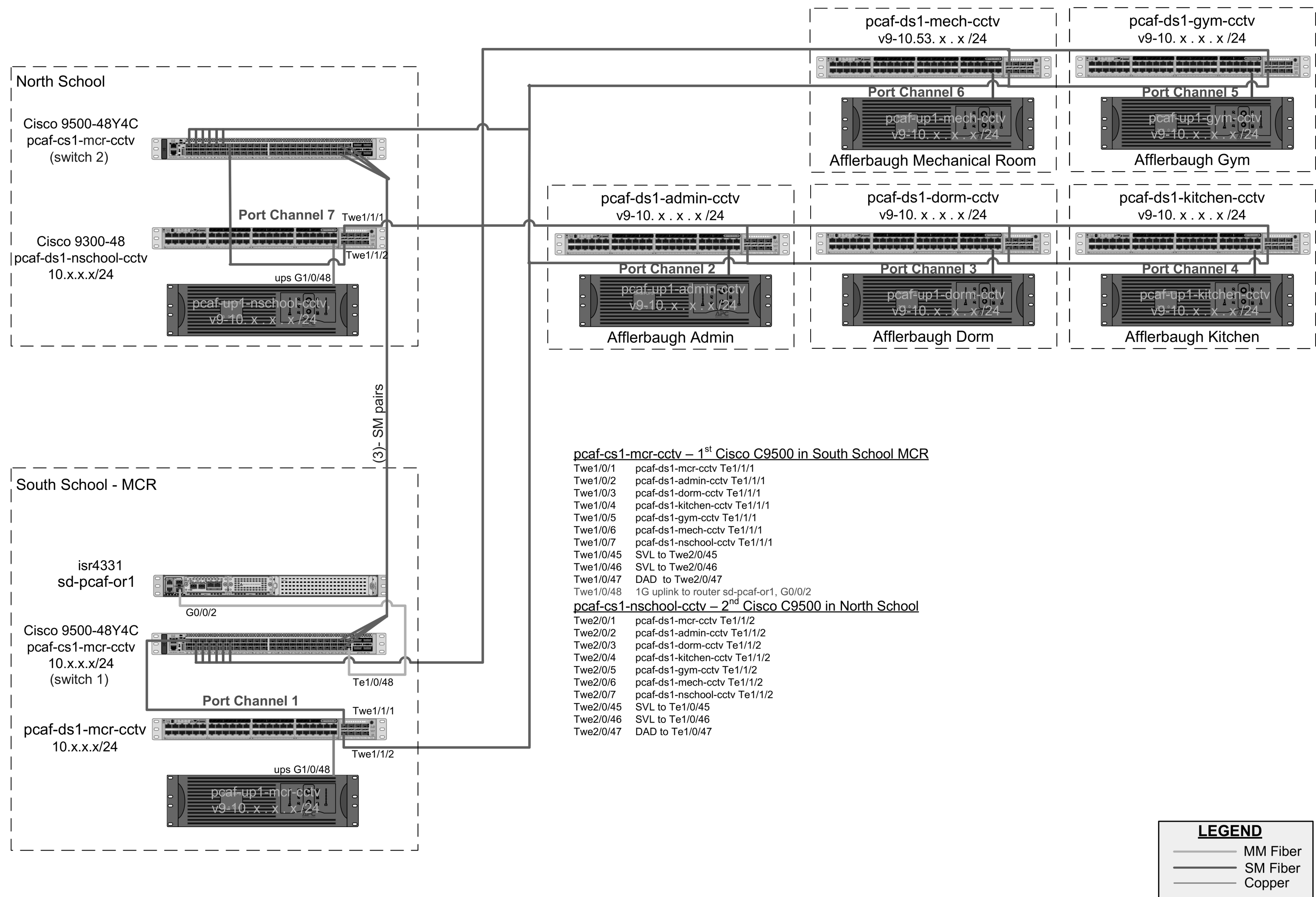
**T5-01**





- SHEET NOTES:**
1. UNDERGROUND PULL BOX, REFER TO SHEET T5.01.
  2. NEMA 4X WEATHER PROOF METAL ENCLOSURE, REFER TO SHEET Y5.01
  3. (1) 2 1/2" CONDUIT.
  4. (2) 2 1/2" UNDERGROUND CONDUITS.
  5. (2) 2 1/2" CONDUITS.

1 PATHWAYS RISER DIAGRAM  
NTS



Probation Camp Afflerbaugh CCTV Diagram			Description	Camp Afflerbaugh CCTV LAN Diagram 6631 N. Stephens Ranch Rd, La Verne	
Page: 1 of 1	Date: 5/1/2024	Los Angeles County Confidential		Drawn by: M. Petty	Filename: Camp Afflerbaugh CCTV LAN.vsd

2 FIBER LAN DIAGRAM  
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CCTV SYSTEM**

SHEET TITLE  
**TECHNOLOGY PATHWAYS  
DIAGRAM / FIBER LAN  
DIAGRAM**

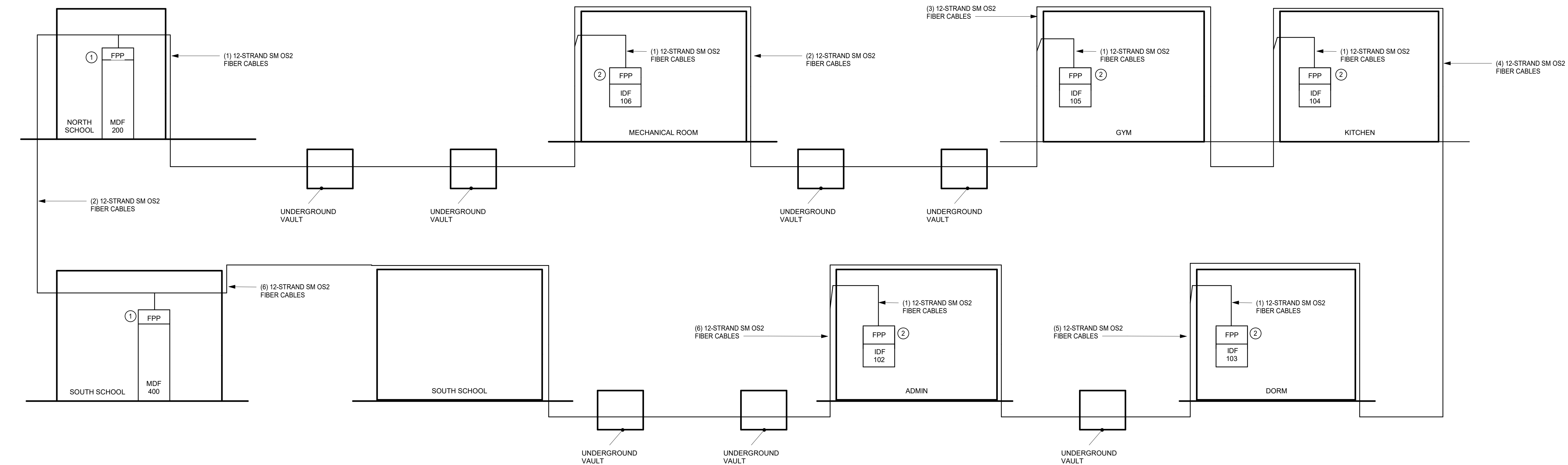
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**T6-01**

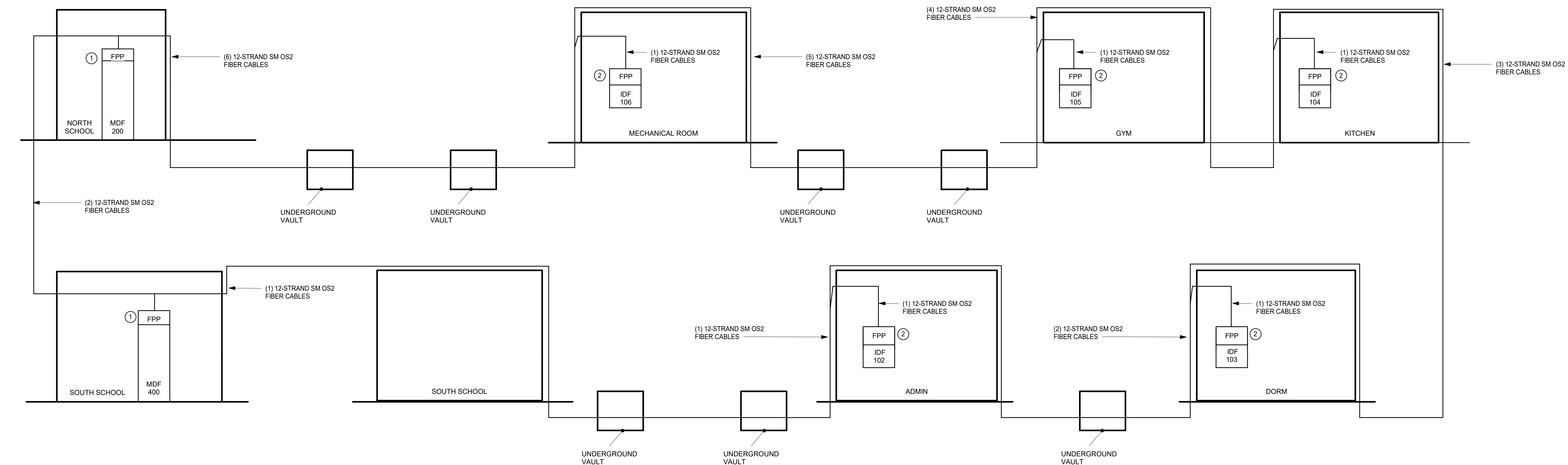


SHEET NOTES:

1. 4U FIBER PATCH PANEL  
2. 1U FIBER PATCH PANEL



2 FIBER RISER DIAGRAM (SECONDARY)  
NTS



1 FIBER RISER DIAGRAM (PRIMARY)  
NTS



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SHEET TITLE  
**TECHNOLOGY FIBER RISER  
DIAGRAM**

HZ PROJ. NO. R311508.04 LA DPW SPEC. NO. 7701  
PERMIT NO.

**T6-02**