



# Community Corrections Re-Entry Resource Center

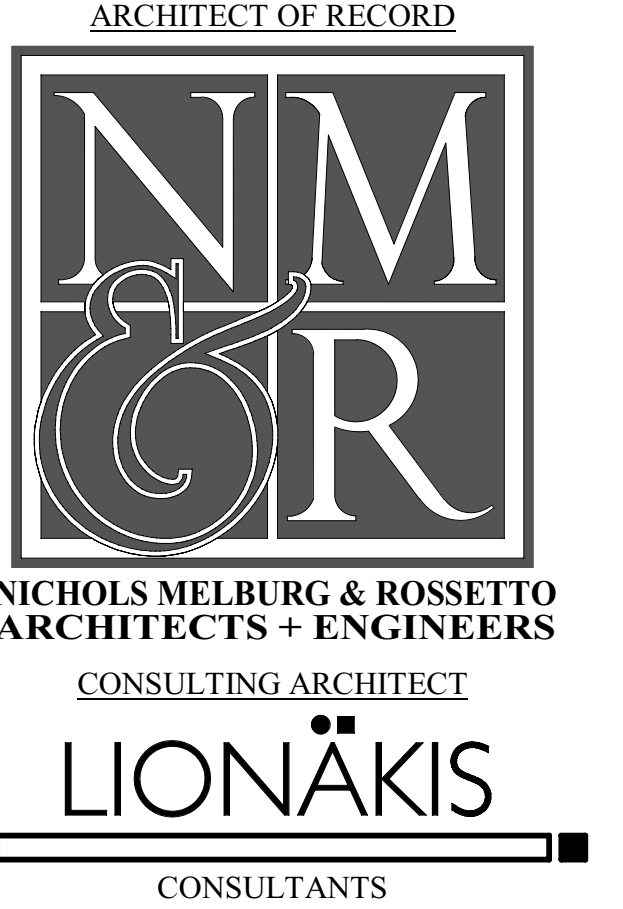
CSFM APPLICATION: 19-N-0964-CP      BSCC: 023-0867 01      LEASE PROJECT: A23-15



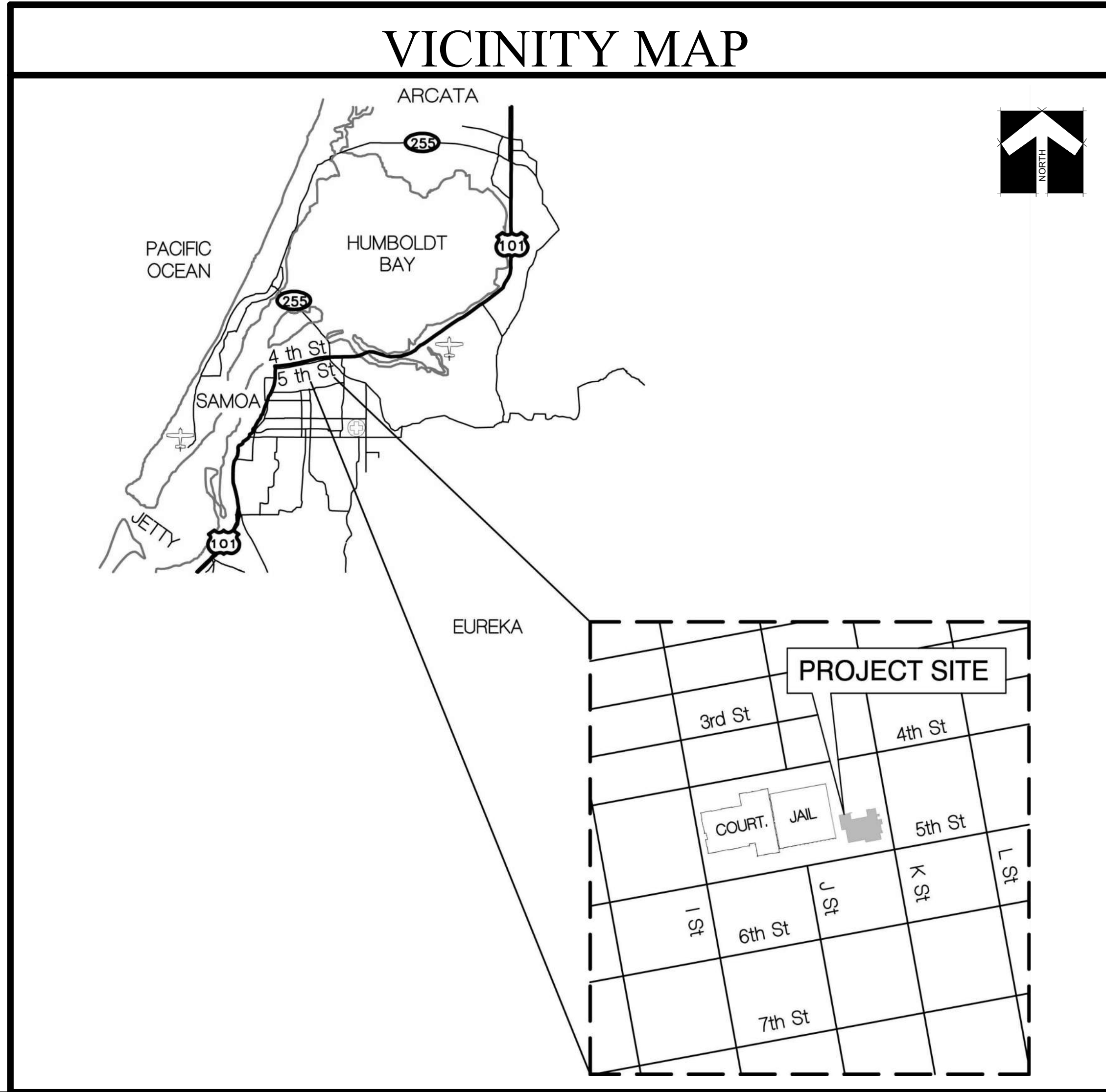
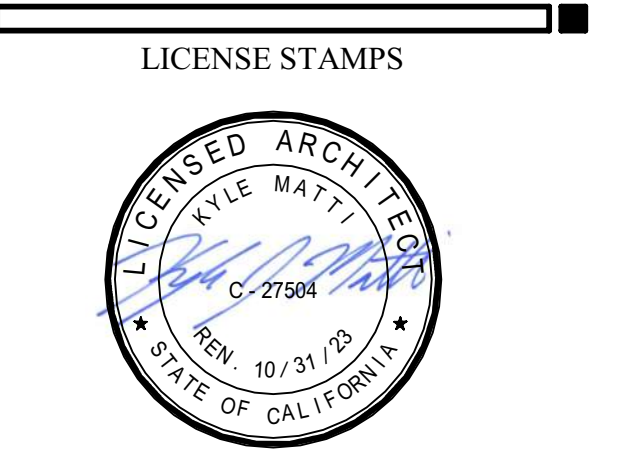
RENDERINGS NOT PART OF CONSTRUCTION DOCUMENTS



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<p><b>Architect:</b>  <b>NICHOLS, MELBURG &amp; ROSSETTO</b>          300 Knollcrest Drive          Redding, CA 96002          (530) 222-3300 PHONE          (530) 222-3538 FAX</p>	<p><b>Consulting Architect:</b>  <b>LIONAKIS</b>          1919 Nineteenth Street          Sacramento, CA 95811          (916) 558-1900 PHONE          (916) 558-1919 FAX</p>	<p><b>Civil Engineer:</b>  <b>GHD</b>          718 Third Street          Eureka, CA 95501          (707) 443-8326 PHONE</p>	<p><b>Landscape Architect:</b>  <b>MICHAEL LANDER ASLA</b>          20270 Lupine Drive          Redding, CA 96002          (530) 223-2488 PHONE          (916) 447-8270 FAX</p>	<p><b>Structural Engineer:</b>  <b>LIONAKIS</b>          1919 Nineteenth Street          Sacramento, CA 95811          (916) 558-1900 PHONE          (916) 558-1919 FAX</p>	<p><b>Mechanical Engineer:</b>  <b>CAPITAL ENGINEERING CONSULTANTS, INC.</b>          11020 Sun Center Drive, Suite 100          Rancho Cordova, CA 95670          (916) 851-3500 PHONE          (916) 631-4424 FAX</p>	<p><b>Electrical Engineer:</b>  <b>LP CONSULTING</b>          1209 Pleasant Grove Blvd.          Roseville, CA 95678          (916) 771-0778 PHONE</p>	<p><b>Security Electronics:</b>  <b>PCI</b>          400 South Jefferson, Suite 301          Spokane, WA 99204          (509) 747-1885 x101 PHONE          (509) 747-1872 FAX</p>
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### DEFERRED SUBMITTALS

ALL DEFERRED SUBMITTALS SHALL FIRST BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL WHO SHALL REVIEW THEM AND FORWARD THEM TO THE APPROPRIATE AGENCY, AS NOTED BELOW IN PARENTHESIS, WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING LICENSED PROFESSIONALS AS REQUIRED TO DESIGN AND CONSTRUCT THE SYSTEMS INCLUDING PROVIDING SERVICES FOR THE PREPARATION OF DRAWINGS NECESSARY THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. CBC 107.3.4.2

- FIRE ALARM
- FIRE SUPPRESSION SYSTEM
- ANSUL FIRE SUPPRESSION SYSTEM

### CODES/STANDARDS

**APPLICABLE CODES:**  
 ALL WORK PERFORMED & PRODUCTS FURNISHED SHALL COMPLY AS APPLICABLE WITH THE LATEST REGULATIONS OF:

- 2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
- 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
- 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
- 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
- 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
- 2019 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
- 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
- 2019 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
- 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.

**APPLICABLE STANDARDS:**  
 ALL WORK PERFORMED & PRODUCTS FURNISHED SHALL COMPLY AS APPLICABLE WITH THE LATEST REGULATIONS OF:

- 2016 NFPA 13 AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED)
- 2016 NFPA 14 INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CALIFORNIA AMENDED)
- 2017 NFPA 17 STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS
- 2016 NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
- 2016 NFPA 24 FIRE SERVICE MAINS (CALIFORNIA AMENDED)
- 2013 NFPA 25 STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CALIFORNIA AMENDED)
- 2016 NFPA 70 NATIONAL ELECTRICAL CODE
- 2016 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED)
- 2016 NFPA 80 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES
- 2015 NFPA 92 STANDARD FOR SMOKE CONTROL SYSTEMS
- 2016 NFPA 101 LIFE CODE
- 2016 NFPA 105 STANDARD FOR SMOKE DOOR ASSEMBLIES AND OTHER OPENING PROTECTIVES
- 2016 NFPA 110 STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS
- 2016 NFPA 111 STANDARD ON STORED ELECTRICAL ENERGY AND STANDBY POWER SYSTEMS
- 2015 NFPA 2001 STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CALIFORNIA AMENDED)
- ASME A17.1/CSA B44 SAFETY CODE FOR ELEVATORS AND ESCALATORS, CALIFORNIA CODE OF REGULATIONS, TITLE 8, DIVISION 1, CHAPTER 4, SUBCHAPTER 6, ELEVATOR SAFETY ORDERS
- 1999 FM 3011 APPROVAL STANDARD FOR CENTRAL STATION SERVICE FOR FIRE ALARM AND PROTECTIVE EQUIPMENT SUPERVISION
- UL 193 ALARM VALVES FOR FIRE-PROTECTION SERVICE, 2004 EDITION
- UL 199 AUTOMATIC SPRINKLERS FOR FIRE PROTECTION SERVICE, 1995 EDITION WITH REVISIONS THROUGH AUGUST 19, 2005
- UL 228 DOOR CLOSERS/HOLDERS, WITH OR WITHOUT INTEGRAL SMOKE DETECTORS, 1997 EDITION WITH REVISIONS THROUGH JANUARY 28, 2009
- UL 262 GATE VALVES FOR FIRE PROTECTION SERVICE, 2004 EDITION
- UL 268A SMOKE DETECTORS FOR DUCT APPLICATION, 2009 EDITION WITH REVISIONS THROUGH OCTOBER 22, 2003
- UL 300 STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT, 2005 EDITION (R2010) WITH REVISIONS THROUGH DECEMBER 2014
- UL 312 STANDARD FOR PANIC HARDWARE, 2012 EDITION WITH REVISIONS THROUGH AUGUST 2014
- UL 312 CHECK VALVES FOR FIRE-PROTECTION SERVICE, 2004 EDITION
- UL 346 WATERFLOW INDICATORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2005 EDITION
- UL 464 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS INCLUDING ACCESSORIES, 2003 EDITION WITH REVISIONS THROUGH OCTOBER 10, 2003
- UL 497B PROTECTORS FOR DATA COMMUNICATION AND FIRE ALARM CIRCUITS, 2004 EDITION
- UL 521 STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION WITH REVISIONS THROUGH JULY 20, 2005
- UL 753 ALARM ACCESSORIES FOR AUTOMATIC WATER SUPPLY VALVES FOR FIRE PROTECTION SERVICE, 2004 EDITION
- UL 2085 STANDARD FOR PROTECTED ABOVE GROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS, 1997 EDITION WITH REVISIONS THROUGH SEPTEMBER 2010

### SPECIAL INSPECTIONS

SEE SHEET S011 FOR LIST OF SPECIAL INSPECTIONS

### PROJECT NARRATIVE

THIS PROJECT WILL INCLUDE THE CONSTRUCTION OF A NEW ADULT REHABILITATION CENTER, ON COUNTY-OWNED LAND LOCATED IN THE CITY OF EUREKA. THE PROJECT WILL BE CONSTRUCTED ADJACENT TO THE EXISTING COUNTY JAIL AND WILL BE ATTACHED AT LEVEL 3 TO ALLOW FOR THE MOVEMENT OF INMATES BETWEEN THE FACILITIES. THE BUILDING WILL INCLUDE APPROXIMATELY 28,500 GROSS SQUARE FEET, AND WILL BE SPLIT INTO 4 LEVELS. LEVEL 1 WILL INCLUDE PARKING AND EMERGENCY POWER SYSTEMS. LEVEL 2 WILL BE THE NON-SECURE AREA OF THE FACILITY AND IS DEDICATED TO PROGRAMS AND OFFICES FOR THE ALTERNATIVES-TO-INCARCERATION FOR THE HUMBOLDT COUNTY SHERIFF'S OFFICE, AND MENTAL HEALTH OFFICES. LEVEL THREE WILL INCLUDE THE SECURE AREA OF THE FACILITY AND IS DEDICATED TO HOUSING AND PROGRAM SPACES FOR INMATES WITHIN THE HUMBOLDT COUNTY CUSTODY DIVISION OF THE SHERIFF'S OFFICE. THE SECURE LEVEL WILL INCLUDE APPROXIMATELY 44 MEDIUM SECURITY BEDS IN DORMITORY STYLE HOUSING UNITS AND PROGRAM SPACES. LEVEL 4 WILL BE A PENTHOUSE LEVEL FOR MECHANICAL EQUIPMENT.

THE PROJECT WILL INCLUDE, BUT IS NOT LIMITED TO: MASONRY; METALS; CASEWORK; THERMAL AND MOISTURE PROTECTION; DOORS AND WINDOWS; FINISHES; SPECIALTIES; KITCHEN EQUIPMENT; DETENTION FURNISHINGS; ELECTRICAL; PLUMBING; MECHANICAL; HEATING, VENTILATION, AND AIR CONDITIONING; SECURITY SYSTEMS; SITE IMPROVEMENTS; FENCING; SITE UTILITIES; EMERGENCY POWER; AND FIRE PROTECTION SYSTEMS.

### BUILDING ANALYSIS

1. OCCUPANCY CLASSIFICATION:	B, S-2, H-3, I-3 CONDITION 4 (CBC 308.5.4)
2. CONSTRUCTION TYPE:	1A, FULLY SPRINKLERED
3. NUMBER OF STORIES:	4 STORIES
4. ACTUAL BUILDING HEIGHT:	54'-0"
5. TOTAL BUILDING AREA:	28,522 SQ. FT.
5a. CONDITIONED BUILDING AREA:	14,340 SQ. FT.
5b. OVERHANGS & COVERED EXTERIOR AREAS:	12,376 SQ. FT. (INCLUDING PARKING AREA)
6. AREA OF PROJECT IN SQUARE FEET:	16,519 SQ. FT.
7. SEPARATED OR NON-SEPARATED USE:	SEPARATED
8. BASIC ALLOWABLE AREA PER (CBC):	UNLIMITED
9. AREA INCREASE (MODIFIED ALLOWABLE):	N/A
10. HEIGHT INCREASE:	N/A
11. FIRE SPRINKLERS:	YES - WET SYSTEM
12. FIRE ALARM:	NO - AUTOMATIC
13. OTHER FIRE PROTECTION SYSTEMS:	NO
14. SMOKE CONTROL SYSTEM:	NO
15. OCCUPANT LOAD:	306
16. YEAR BUILDING WAS CONSTRUCTED:	N/A
17. IN A HIGH FIRE-HAZARD-SEVERITY ZONE:	NO
18. SEISMIC JOINTS:	YES - BETWEEN (E) JAIL & NEW BLDG
19. EMERGENCY RESPONDER RADIO COVERAGE:	YES

\* SEE G111, G112, G113 & G114 FOR ADDITIONAL BUILDING ANALYSIS & OCCUPANCY EXISTING

### REVISIONS

Delta	Description	Date

Drawn By	ON/AMP
Date Issued	09.19.2022
Scale	
Project No.	16-6421.00

SHEET No.  
**G001 V4**

Plot Date: 10/4/2022 10:43:45 AM  
 File Name: 0116\_2019 Humboldt Co. Community Corrections Re-Entry Resource Ctr.A1\_MCR-Rev-Entry.rvt











HYDRANT 6

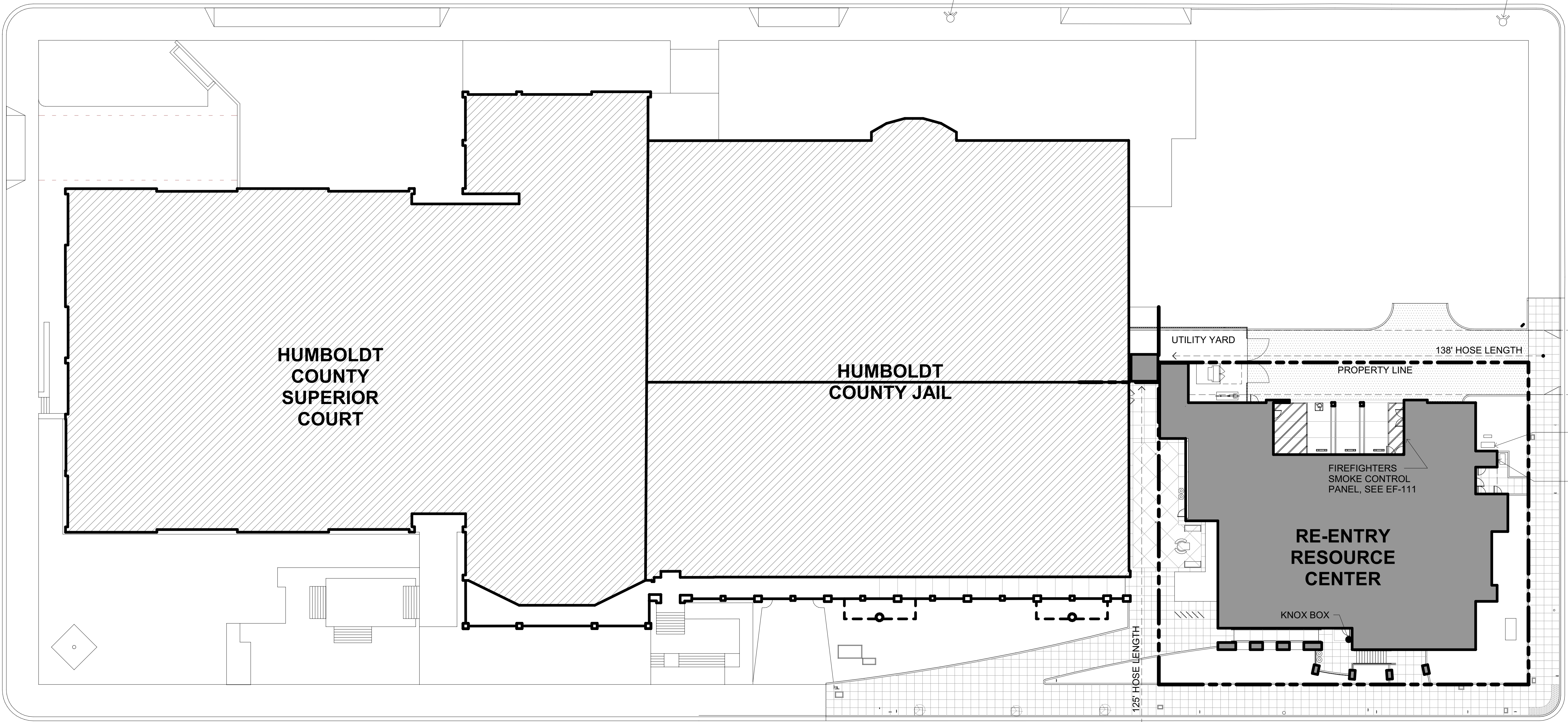
4TH STREET

HYDRANT 1

HYDRANT 2

I STREET

K STREET



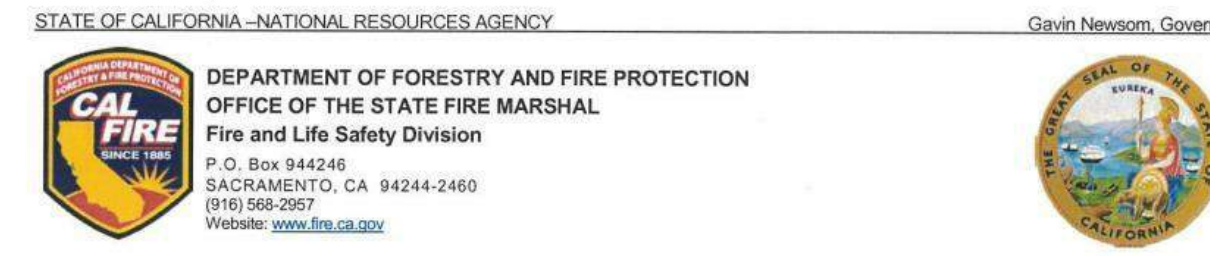
HYDRANT 5

5TH STREET

HYDRANT 4

HYDRANT 3

**LIFE SAFETY SITE PLAN**  
SCALE: 1" = 20'-0"



**LOCAL FIRE AUTHORITY – ACCESS APPROVAL**

Project: Humboldt Co Community Corrections Re-Entry Resource Center  
 Address: 826 Fourth Street - Eureka, CA  
 CSFM File Number: 19-N-0964-CP-DR (Only if applicable) DGS Project #: (Only if applicable)

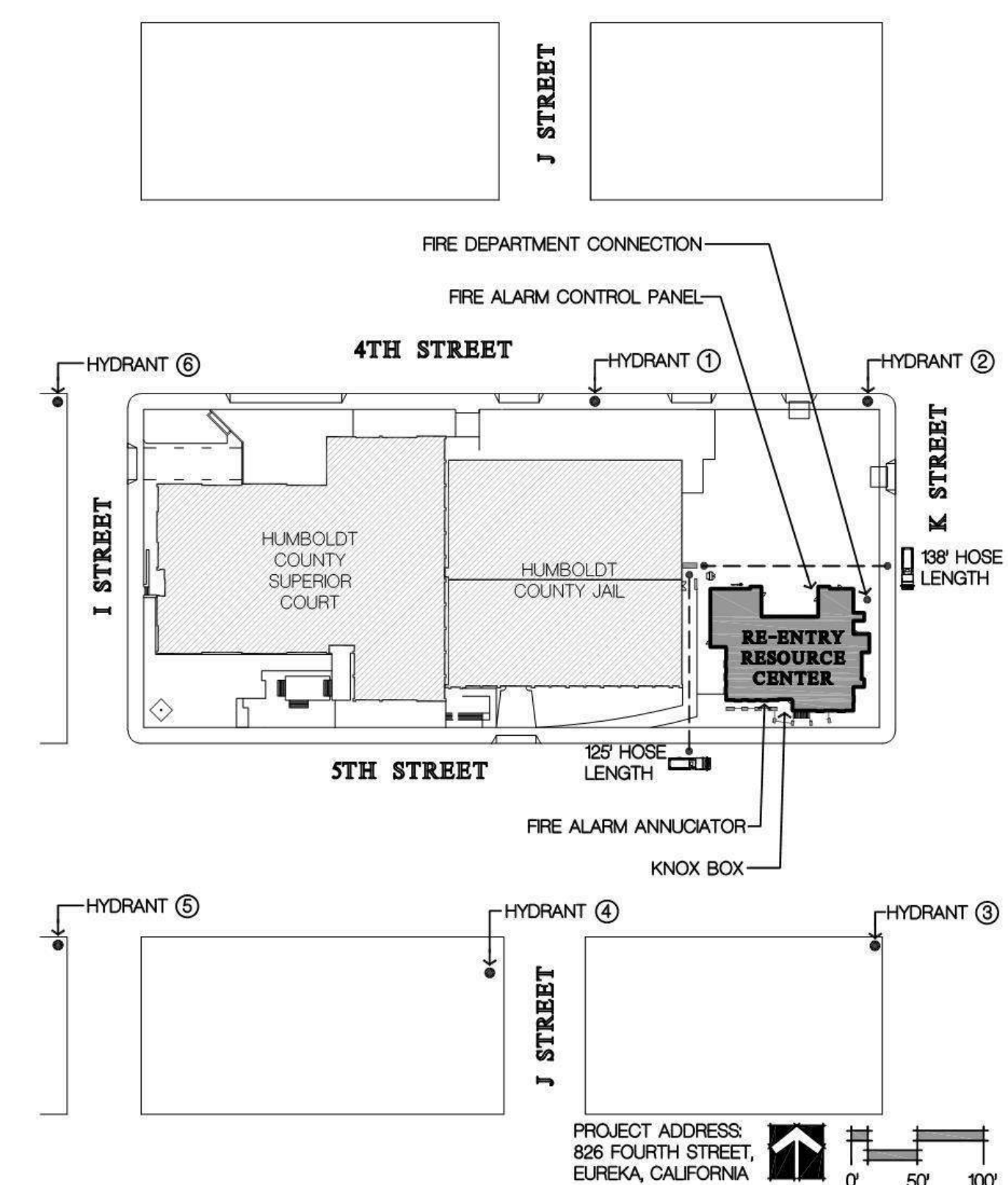
Pursuant to Title 19, California Code of Regulations, Article 3, Section 3.05, Fire Department Access and Egress, it is necessary to provide the California State Fire Marshal with written certification from the local fire authority that the above section is being met to their satisfaction.

Please return this form with all sections filled in completely. Without this form, California State Fire Marshal approval may be delayed. If you have any questions, please contact the California State Fire Marshal Plan Review Unit at (916) 568-2957.

The local fire authority shall consider the following items:

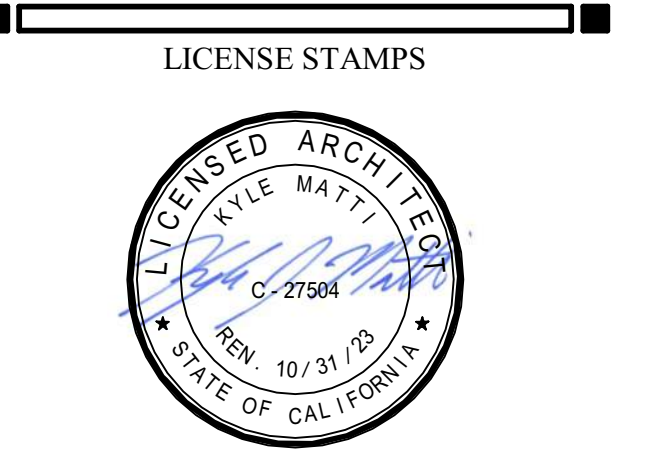
Approved	Yes	No
Fire Department Access	X	
Fire Department Connection	X	
Fire Hydrant	X	
Fire Alarm Annunciator	X	
Fire Alarm Control Panel	X	
Knox Box	X	
Emergency Responder Radio Coverage	X	

Local Fire Authority: Humboldt Bay Fire  
 Address: 533 C Street  
 City/State/ZIP: Eureka, CA 95501  
 Approval issued by: Bill Reynolds  
 Rank/Title: Fire Marshal  
 Phone Number: 707-441-4000  
 Signature: [Signature] Date: 7-3-19



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ARCHITECT OF RECORD  
**NM & R**  
 NICHOLS MELBURG & ROSSETTO  
 ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT  
**LIONAKIS**  
 CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**LIFE SAFETY SITE PLAN**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By: [Blank] Author: [Blank]  
 Date Issued: 09.19.2022  
 Scale: 1" = 20'-0"  
 Project No.: 16-6421.00

SHEET No.  
**G009 V2**

**NICHOLS MELBURG & ROSSETTO**  
 ARCHITECTS + ENGINEERS  
 826 FOURTH STREET, EUREKA, CALIFORNIA  
 95501-2400  
 TEL: 707-441-4000  
 FAX: 707-441-4001  
 WWW.NMRARCHITECTS.COM

**OVERALL SITE PLAN**  
 Humboldt County Community Corrections Re-Entry Resource Center

DR: ovm  
 DT: 06/18/19  
 SC: 1" = 100'-0"  
 NO: 16-6421

# Humboldt County Community Corrections Re-Entry Resource Center

## Fire Flow Calculations

Nathan P. Sanger, P.E.  
Civil Engineer



**Minimum Required Fire Flow and Duration**

The fire-flow requirements for the Humboldt County Community Corrections Re-Entry Resource Center were determined using the California Fire Code (CFC) 2016 Edition, Appendix B. The fire flow is defined as the amount of water available for fighting a fire, and is measured at the more demanding of either the water flow output of the nearest fire hydrant(s) at 20 psi residual pressure, or the building's sprinkler system.

In this analysis, the sprinkler system demand will be ignored, as it will be accounted for during the sprinkler system design, and a fire pump and/or tank will be installed if it is needed.

CFC Appendix B, Table B105.1(2) determines the minimum fire flow allowed for the building. The information outlined below highlights the relevant criteria used to determine the fire-flow requirements for the project.

**Construction Type:** 1A (fully sprinklered 4 story building)

**Fire-Flow Area:** 26,733 ft<sup>2</sup> (includes the total area of the building plus overhangs and covered areas)

**Required Fire Flow = 1,750 gallons per minute (gpm) for 2 hours @ 20 psi (CFC Table 105.1)**

**Reduced Fire Flow = 1,000 gpm for 2 hours @ 20 psi (CFC Table 105.2, footnote A)**

**Fire-Flow Calculations**

The following calculations are utilized to determine the residual pressure at the fire hydrant(s) used within the project. For the purposes of these calculations, 1,000 gpm was taken out of existing fire hydrant 2 (Figure 1). The flow test data for existing fire hydrant 2 (FH2) is summarized below. The raw fire flow data for all of the existing hydrants surrounding the proposed facility site are attached on pages 5-10 of this report.

**FH2 Static Pressure: 70 psi**

**FH2 Residual Pressure: 62 psi @ 899 gpm**

The above data can be used to calculate the available pressure at the required fire-flow rate outlined above using equation 4.10.1.2 (NFPA 291, 2007 edition):

$$Q_r = Q_f \times \left( \frac{P_{stat}}{P_{res}} \right)^{1.75}$$

Where:  
Q<sub>r</sub> = flow predicted at desired residual pressure  
Q<sub>f</sub> = total flow measured during test

**h<sub>r</sub>** = pressure drop to desired residual pressure  
**h<sub>f</sub>** = pressure drop measured during test

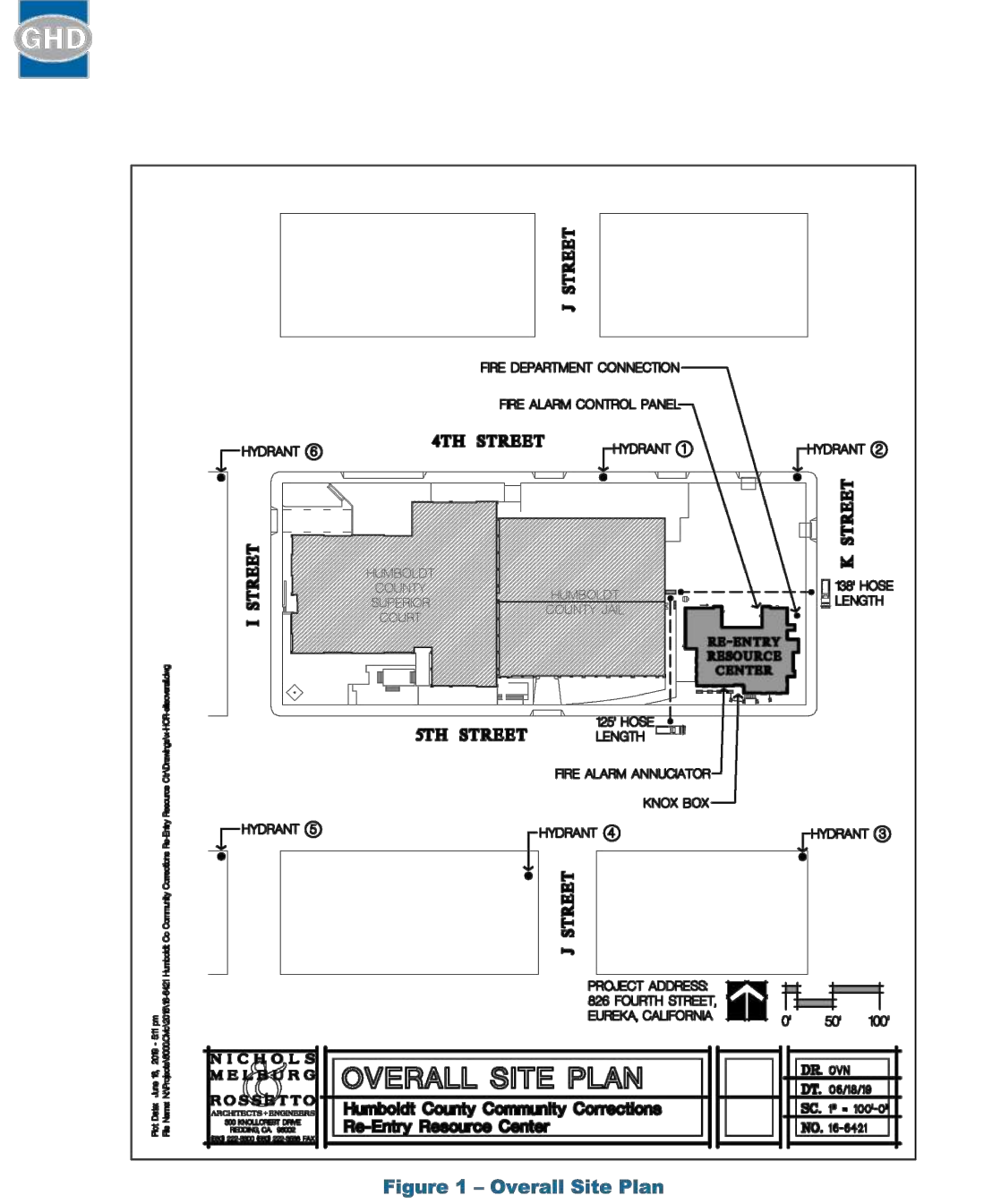
Equation 4.10.1.2 can be rearranged to calculate the available pressure at the desired flow rate:

$$h_a = h_f \times \frac{Q_r^{1.75}}{Q_f^{1.75}}$$

Inputting the data for FH2 into the above equation yields the following results:

- h<sub>r</sub> = 9.7 psi pressure drop (round up to 10 psi pressure drop)
- pressure at 1,000 gpm = 60 psi (static - h<sub>r</sub>)

**Predicted Pressure at FH2 @ 1,000 gpm = 60 psi > 20 psi** **OK**



**Humboldt Bay Fire**  
Serving the City of Eureka and Greater Eureka Area since 1911.

**Humboldt Bay Fire Hydrant Testing Data Collection Form**

Reason for test: \_\_\_\_\_ Date: 5/19/23  
Time: 14:20

**FIRE HYDRANT:**  
Test Hydrant Location: 4th + J  
Outlet Diameter: 2.5" Tank Elevation: \_\_\_\_\_  
Static Pressure (PSI): 70  
Pilot Pressure (PSI): 30  
Flow (GPM): 899

**SECONDARY (RESIDUAL) HYDRANT:**  
Secondary Hydrant Location: 5th + K  
Static Pressure (PSI): 66  
Residual Pressure (PSI): 56

Comments: \_\_\_\_\_

Data Collector's Name (Print): N. Sanger  
Data Collector's Signature: \_\_\_\_\_

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Data Collector's Signature: \_\_\_\_\_

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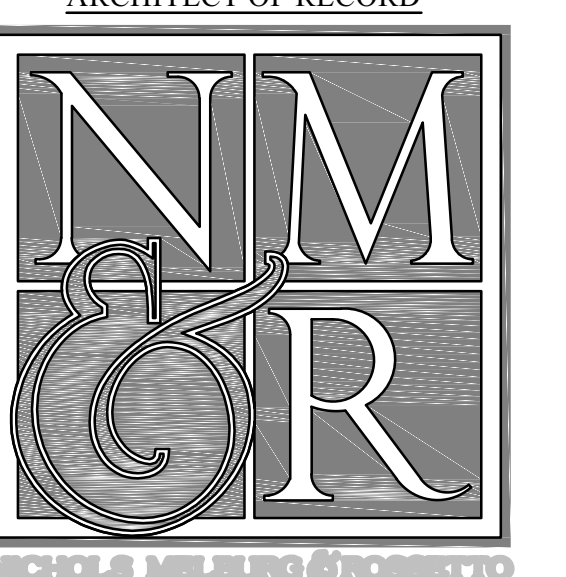
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Data Collector's Signature: \_\_\_\_\_



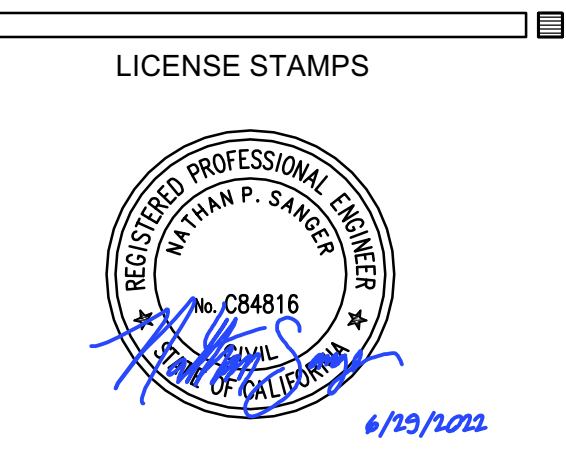
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**LIONAKIS**  
CONSULTANTS



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718 Third Street  
Eureka California 95501 USA  
T 707 443 8328 F 707 444 8330 W www.ghd.com



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**FIRE FLOW CALCULATIONS**

DRAWING STATUS  
**WORKING DRAWINGS**

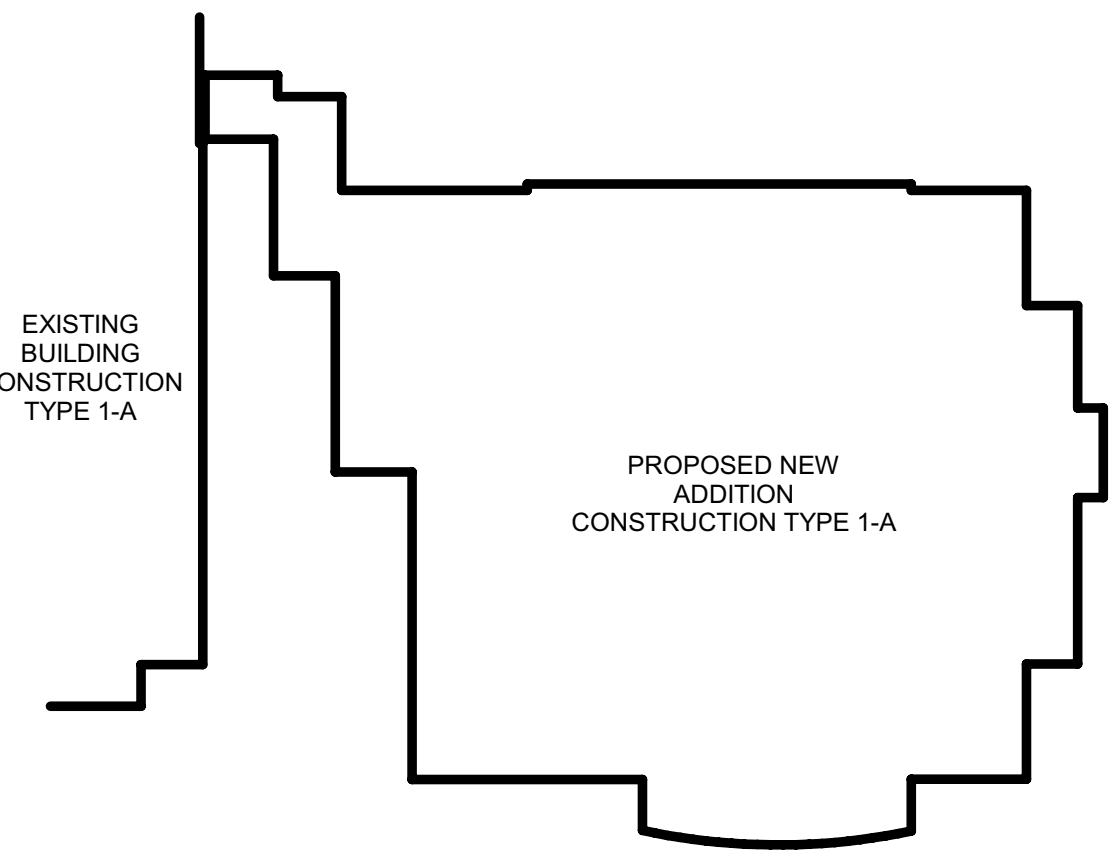
REVISIONS

Delta	Description	Date

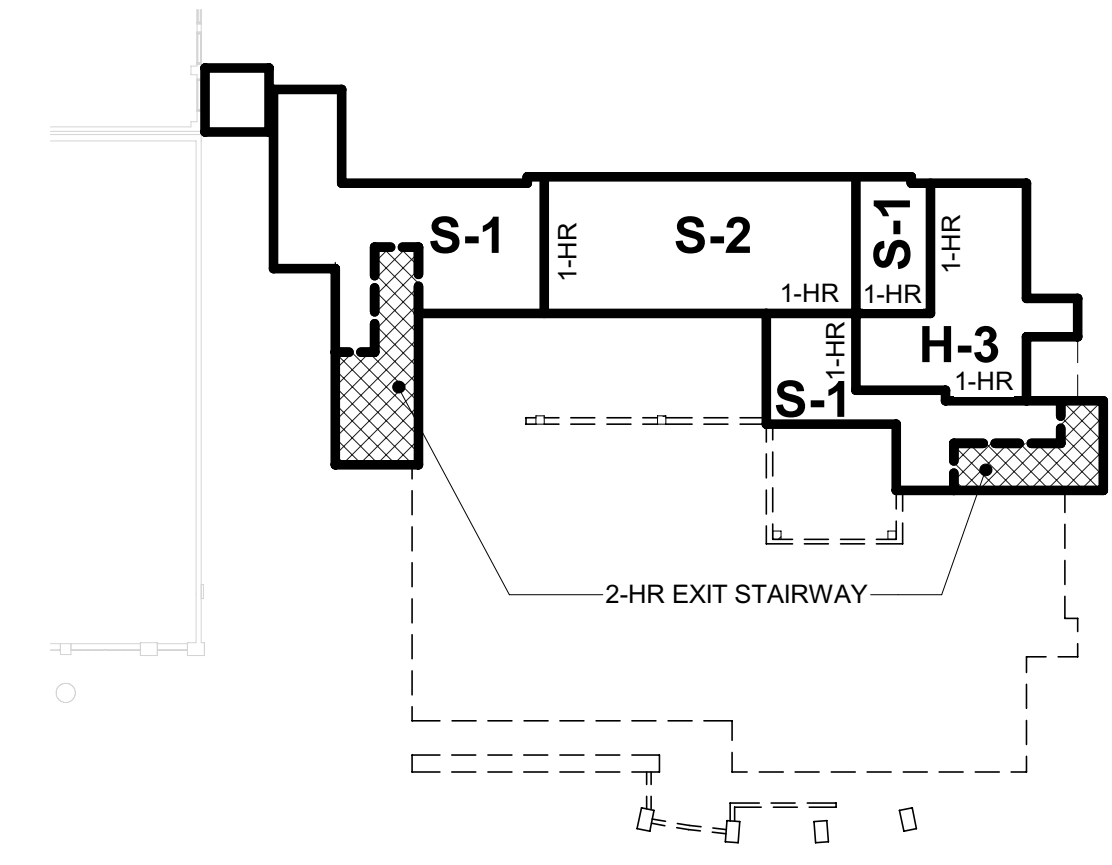
Drawn By	N. SANGER
Date Issued	09.19.2022
Scale	
Project No.	16-6421.00

SHEET No.  
**G110 V4**

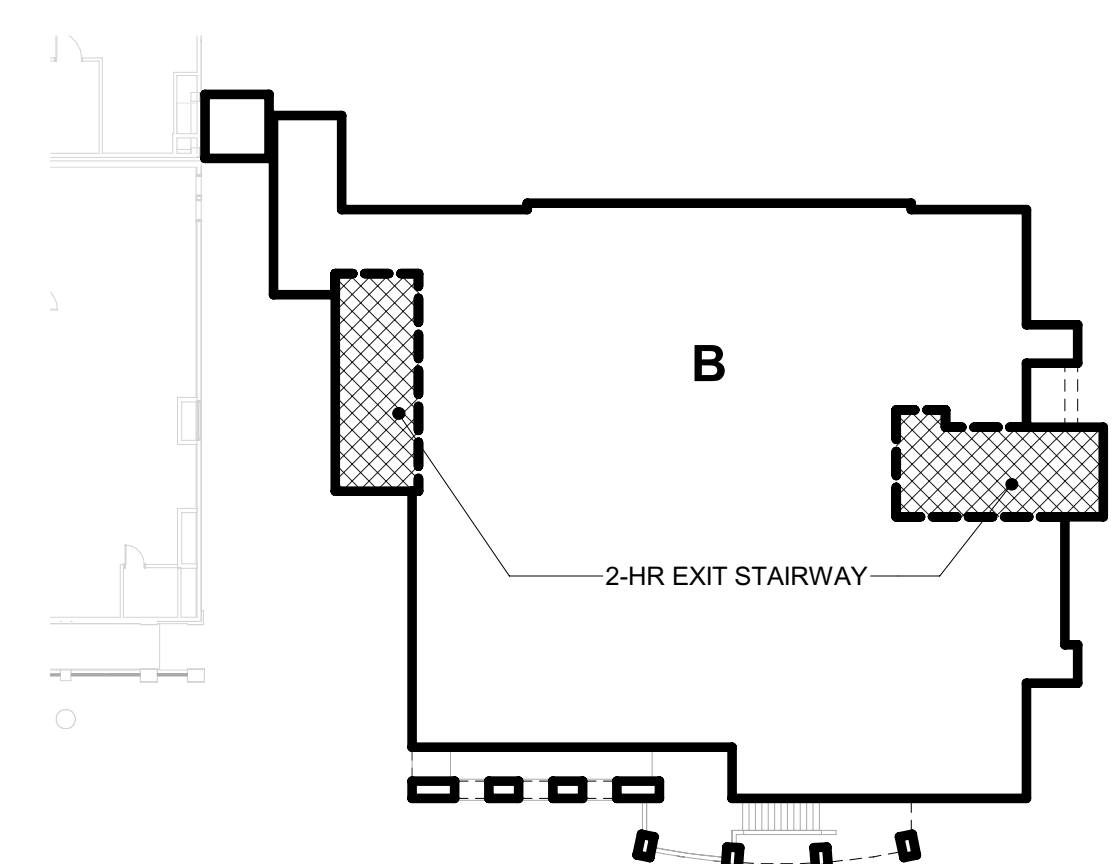




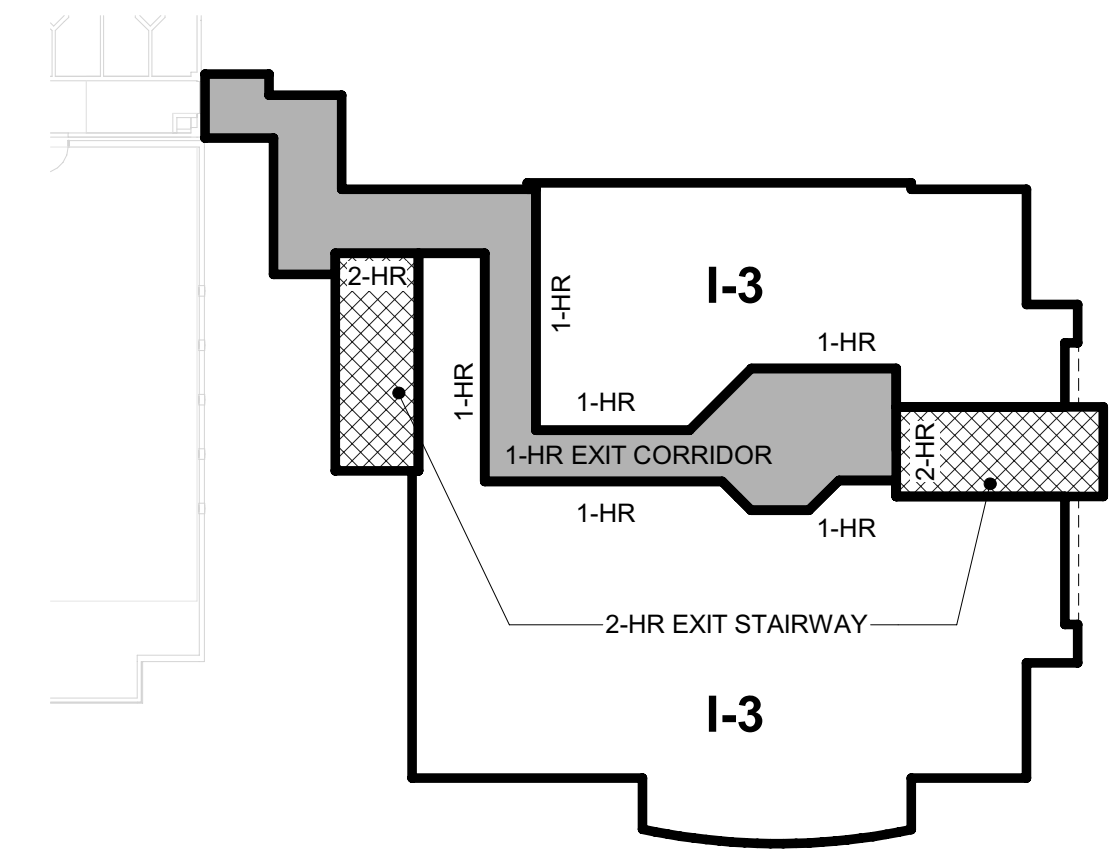
CONSTRUCTION TYPE DIAGRAM



LEVEL 1 (BASEMENT) OCCUPANCY SEPARATIONS



LEVEL 2 (GROUND FLOOR) OCCUPANCY SEPARATIONS



LEVEL 3 (1ST LEVEL ABV GRADE) OCCUPANCY SEPARATIONS

OCCUPANCY CALCULATIONS				
NO.	NAME	AREA	LOAD FACTOR	OCCUPANT LOAD
100	ELEV	105 SF		
101	ELEV LOBBY	260 SF	15 SF	18
103	ELEV MACHINE	87 SF	300 SF	1
104	PARKING	1036 SF	200 SF	6
105	ELEC	238 SF	300 SF	1
106	GENERATOR	288 SF	300 SF	1
108	FIRE PUMP	296 SF	300 SF	1
109	DAY TANK STORAGE	353 SF	300 SF	2
110	STORAGE	240 SF	300 SF	1
111	STORAGE	451 SF	300 SF	2
112	CHASE	39 SF		
S30.1	WEST STAIR	298 SF		
S31.1	EAST STAIR	177 SF		
TOTAL OCCUPANT LOAD LEVEL 1:				33

TOTAL BUILDING OCCUPANTS	
LEVEL 1 (BASEMENT)	33
LEVEL 2 (GROUND FLR)	171
LEVEL 3 (1ST LEVEL ABV GRADE)	89
LEVEL 4 (2ND LEVEL ABV GRADE)	10
<b>TOTAL BUILDING OCCUPANTS</b>	<b>303</b>

- ### SHEET NOTES
- LINE OF FLOOR ABOVE
  - EXTENTS OF STRUCTURE BELOW GRADE
  - WALL MOUNTED SMOKE CURTAIN - FLUSH WITH CEILING WHERE OCCURS
  - REMOTE FUEL FILL STATION

### CODE ANALYSIS

1. BUILDING DATA:	
OCCUPANCY CLASSIFICATION:	B, S-1, S-2, H-3, I-3 CONDITION 4 (CBC 308.5.4)
CONSTRUCTION TYPE:	1-A (FULLY SPRINKLERED)
BUILDING GROSS AREA:	LEVEL 1 (BASEMENT): 3,587 SQ. FT. LEVEL 2 (GROUND FLR): 9,404 SQ. FT. LEVEL 3 (1ST LEVEL ABV GRADE): 10,731 SQ. FT. LEVEL 4 (2ND LEVEL ABV GRADE): 4,800 SQ. FT. TOTAL: 28,522 SQ. FT.
CONDITIONED BUILDING AREA:	LEVEL 1 (BASEMENT): 72 SQ. FT. LEVEL 2 (GROUND FLR): 7,116 SQ. FT. LEVEL 3 (1ST LEVEL ABV GRADE): 7,152 SQ. FT. LEVEL 4 (2ND LEVEL ABV GRADE): 4,800 SQ. FT. TOTAL: 14,340 SQ. FT.

\* SEE "BASEMENT CLASSIFICATION" BELOW.

### 2. ALLOWABLE BUILDING AREAS (CHAPTER 5):

ALLOWABLE BUILDING HEIGHT LIMITS (PER CBC TABLE 503.4):	UNLIMITED
ALLOWABLE BUILDING AREA (PER CBC TABLE 506.2):	UNLIMITED

### 3. CONSTRUCTION TYPE (CBC CHAPTER 6):

REQUIRED BUILDING FIRE RESISTANCE PER CBC TABLE 601:

STRUCTURAL FRAME	3 HR
BEARING WALLS	3 HR
EXTERIOR INTERIOR	3 HR
NON BEARING WALLS	0 HR
INTERIOR	0 HR
FLOOR CONSTRUCTION	2 HR
ROOF CONSTRUCTION	1-1/2 HR

### 4. OCCUPANCY:

\*SEE OCCUPANCY DIAGRAMS, THIS SHEET  
LEVEL 1 (BASEMENT): B, S-1, S-2, & H-3  
\*PER CBC TABLE 508.4 1-HR SEPARATION IS REQUIRED

LEVEL 2 (GROUND FLOOR): B  
LEVEL 3 (1ST LEVEL ABV GRADE): I-3 WITH B ACCESSORY OCCUPANCY  
\*PER CBC SECTION 508.2.4 SEPARATION OF OCCUPANCIES, EXCEPTION 4, NO SEPARATION IS REQUIRED BETWEEN I-3 AND B IN TYPE 1 CONSTRUCTION.

FLOOR SEPARATIONS PER CBC TABLE 508.4 (SHOWN BELOW):  
LEVEL 1 (BASEMENT) [S-2] TO LEVEL 2 (GROUND FLR) [B]: 2-HR  
LEVEL 2 (GROUND FLR) [B] TO LEVEL 3 (1ST FLR ABV GRADE) [I-3]: 2-HR

### REQUIRED SEPARATION OF OCCUPANCIES PER TABLE 508.4

	B, S-1	I-3	S-2	H-3
B, S-1	N	---	---	1
I-3	2	N	2	---
S-2	1	---	N	2
H-3	---	---	---	1

### 5. SHAFT ENCLOSURE RATINGS:

MECHANICAL DUCT CHASES: 2 HOUR PER CBC 713.4  
ELEVATOR: 2 HOUR PER CBC 3002.1 & 713.4  
INTERIOR EXIT STAIRWAY: 2 HOUR PER CBC 1023.2

### 6. STAIR WIDTH CALCULATIONS:

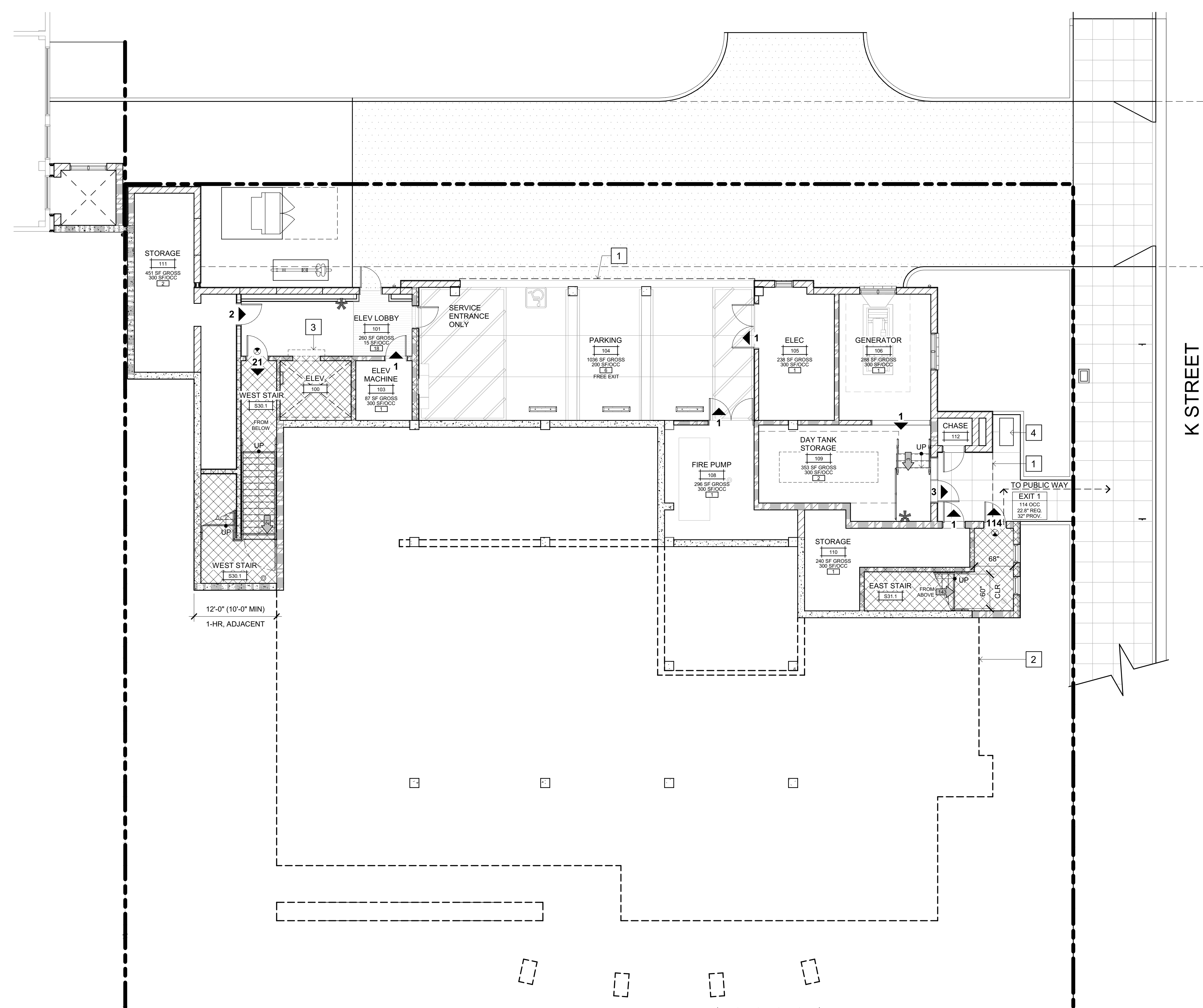
WEST STAIR:  
REQUIRED WIDTH: 80 TOTAL OCCUPANTS x 3" OCC: 24"  
STAIR WIDTH PROVIDED BETWEEN HANDRAILS: 52" **OK**

EAST STAIR:  
REQUIRED WIDTH: 139 TOTAL OCCUPANTS x 3" OCC: 41.7"  
STAIR WIDTH PROVIDED BETWEEN HANDRAILS: 60" **OK**

### 7. BASEMENT CLASSIFICATION:

CBC DEFINITIONS:  
BASEMENT: A STORY THAT IS NOT A STORY ABOVE GRADE PLANE.  
STORY ABOVE GRADE PLANE: ANY STORY HAVING ITS FINISHED FLOOR SURFACE ENTIRELY ABOVE GRADE PLANE, OR IN WHICH THE FINISHED SURFACE OF THE FLOOR NEXT ABOVE IS:  
1. MORE THAN 8 FEET ABOVE GRADE PLANE; OR  
2. MORE THAN 12 FEET ABOVE THE FINISHED GROUND LEVEL AT ANY POINT.

AVERAGE DIFFERENCE OF LEVEL 2 TO FINISHED GRADE AT PERIMETER OF BUILDING IS 7.13'  
7.13' > 6' THEREFORE LEVEL 1 SHALL BE CLASSIFIED AS A BASEMENT.



LEVEL 1 (BASEMENT) OCCUPANT PLAN  
SCALE: 1/8" = 1'-0"

### LEGEND

NOTE: REFER TO DRAWINGS A201, A202, A203 & A204 FOR WALL ASSEMBLY TAGS & FLOOR PLANS.

TRAVEL DISTANCE: - - - - ->

NUMBER OF OCCUPANTS: #

COMBINED NUMBER OF OCCUPANTS IN SPACE: #

ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROW: [Symbol]

SMOKE BARRIER PER CBC 408.6: [Symbol]

"SMOKE TIGHT" PARTITION PER CBC 408.8": [Symbol]

EXIT COMPONENT: DOOR, 1" REQ., 1" PROV.

3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS: [Symbol] SEE DETAIL W14/G122

3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS: [Symbol] SEE DETAIL W12/G122

3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS: [Symbol] SEE DETAIL W13/G122

NON-RATED 12" INSULATED CMU NON-BEARING WALL: [Symbol] SEE DETAIL W11/G122

3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS: [Symbol] SEE DETAIL W10/G122

3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS: [Symbol] SEE DETAIL W8/G122

3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS: [Symbol] SEE DETAIL W9/G122

3 HOUR CMU BEARING FIRE WALL: [Symbol] SEE DETAIL W17/G122

NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS: [Symbol] SEE DETAIL W7/G122

3 HOUR CONCRETE RETAINING FIRE WALL: [Symbol] SEE DETAIL W16/G122

NON-RATED CONCRETE SITE RETAINING WALL: [Symbol] SEE DETAIL W15/G122

METAL STUD WALL 1 HOUR PROTECTED OPENINGS: [Symbol] SEE DETAIL W5/G121

METAL STUD WALL 2 HOUR PROTECTED OPENINGS: [Symbol] SEE DETAIL W6/G121

NON-RATED METAL STUD WALL: [Symbol] SEE DETAILS W3/G121 & W4/G121

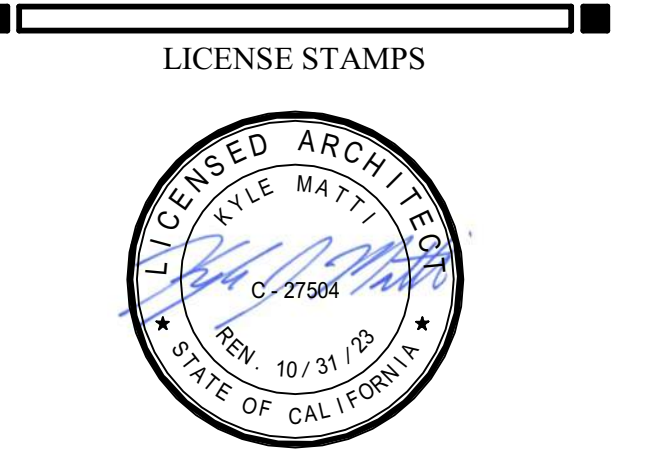
2 HOUR EXIT STAIRWAY OR ELEVATOR SHAFT: [Symbol]



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ARCHITECT OF RECORD

NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
LIONAKIS CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**BUILDING CODE ANALYSIS & LIFE SAFETY PLAN - LEVEL 1 (BASEMENT)**

DRAWING STATUS  
**WORKING DRAWINGS**

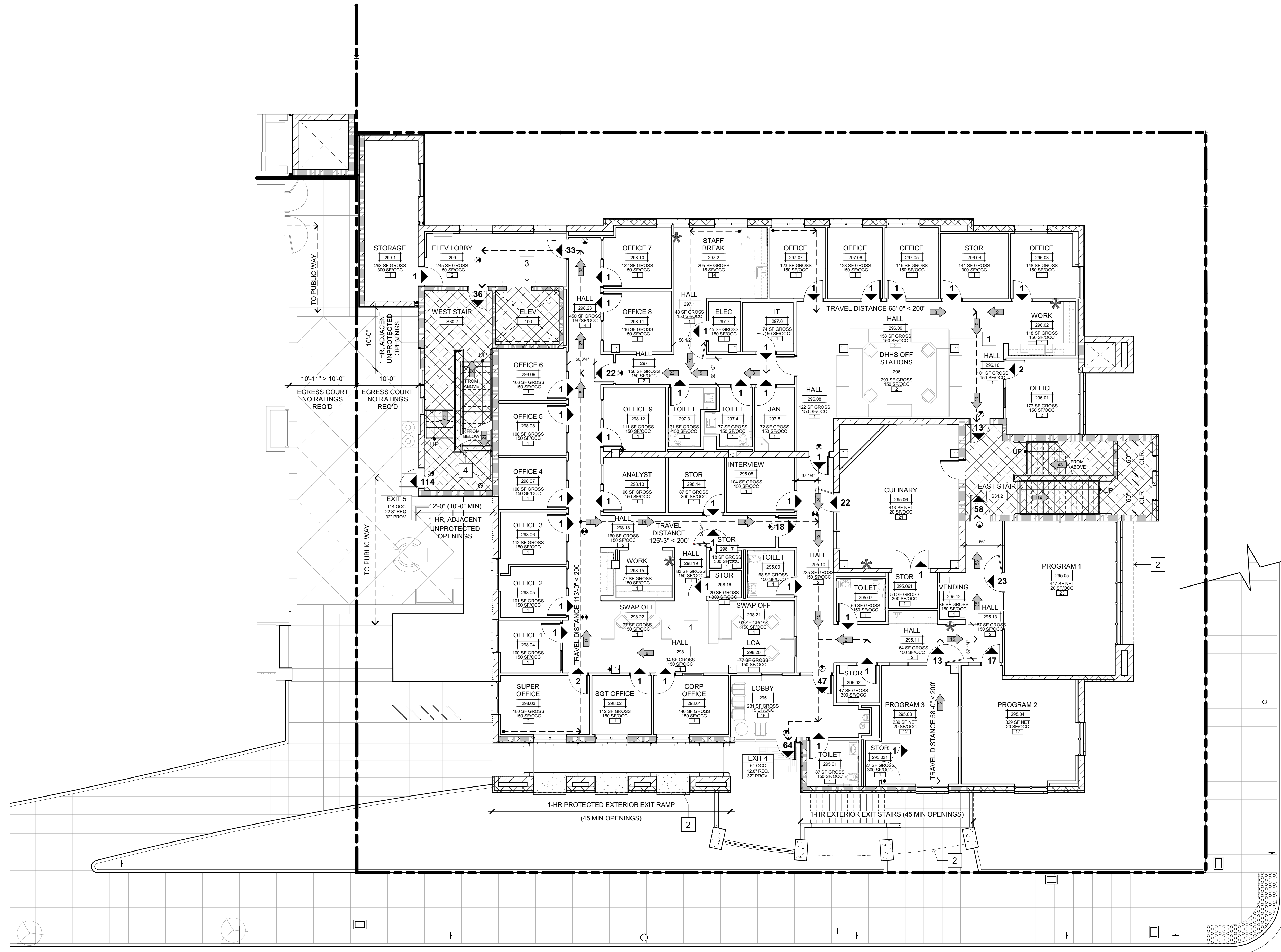
### REVISIONS

Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**G111 V4**

Plot Date: 9/20/2022 1:26:39 PM  
File Name: 16160-Informational Co. Corrections Re-Entry Resource Ctr\_A\_MCR-Rev-Entry.rvt



**LEVEL 2 (GROUND FLOOR)  
 OCCUPANT PLAN**  
 SCALE: 1/8" = 1'-0"

**OCCUPANCY CALCULATIONS**

NO.	NAME	AREA	LOAD FACTOR	OCCUPANT LOAD
205	ELEV	110 SF		
205.01	LOBBY	231 SF	15 SF	16
205.02	TOILET	87 SF	150 SF	1
205.03	PROGRAM 3	239 SF	20 SF	12
205.04	PROGRAM 2	329 SF	20 SF	17
205.05	PROGRAM 1	447 SF	20 SF	23
205.06	CULINARY	413 SF	20 SF	21
205.07	TOILET	69 SF	150 SF	1
205.08	INTERVIEW	104 SF	150 SF	1
205.09	TOILET	66 SF	150 SF	1
205.10	HALL	235 SF	150 SF	2
205.11	HALL	164 SF	150 SF	2
205.12	VENDING	35 SF	150 SF	1
205.13	HALL	157 SF	150 SF	2
205.031	STOR	27 SF	300 SF	1
205.061	STOR	50 SF	300 SF	1
206	DHHS OFF STATIONS	299 SF	150 SF	2
206.01	OFFICE	177 SF	150 SF	2
206.02	WORK	118 SF	150 SF	1
206.03	OFFICE	145 SF	150 SF	1
206.04	STOR	144 SF	300 SF	1
206.08	HALL	122 SF	150 SF	1
206.09	HALL	158 SF	150 SF	2
206.10	HALL	101 SF	150 SF	1
207	HALL	156 SF	150 SF	2
207.1	HALL	48 SF	150 SF	1
207.2	STAFF BREAK	205 SF	15 SF	14
207.3	TOILET	71 SF	150 SF	1
207.4	TOILET	77 SF	150 SF	1
207.5	JAN	72 SF	150 SF	1
207.05	OFFICE	119 SF	150 SF	1
207.6	IT	74 SF	150 SF	1
207.06	OFFICE	123 SF	150 SF	1
207.7	ELEC	45 SF	150 SF	1
207.07	OFFICE	123 SF	150 SF	1
208	HALL	94 SF	150 SF	1
208.01	CORP OFFICE	140 SF	150 SF	1
208.02	SGT OFFICE	112 SF	150 SF	1
208.03	SUPER OFFICE	180 SF	150 SF	2
208.04	OFFICE 1	100 SF	150 SF	1
208.05	OFFICE 2	101 SF	150 SF	1
208.06	OFFICE 3	112 SF	150 SF	1
208.07	OFFICE 4	108 SF	150 SF	1
208.08	OFFICE 5	108 SF	150 SF	1
208.09	OFFICE 6	106 SF	150 SF	1
208.10	OFFICE 7	132 SF	150 SF	1
208.11	OFFICE 8	116 SF	150 SF	1
208.12	OFFICE 9	111 SF	150 SF	1
208.13	ANALYST	90 SF	150 SF	1
208.14	STOR	87 SF	300 SF	1
208.15	WORK	77 SF	150 SF	1
208.16	STOR	29 SF	300 SF	1
208.17	STOR	18 SF	300 SF	1
208.18	HALL	160 SF	150 SF	2
208.19	HALL	83 SF	150 SF	1
208.20	LOA	77 SF	150 SF	1
208.21	SWAP OFF	93 SF	150 SF	1
208.22	SWAP OFF	77 SF	150 SF	1
208.23	HALL	425 SF	150 SF	4
209	ELEV LOBBY	245 SF	150 SF	2
209.1	STORAGE	293 SF	300 SF	1
209.2	WEST STAIR	356 SF		
209.3	EAST STAIR	380 SF		
<b>TOTAL OCCUPANT LOAD LEVEL 2</b>				<b>171</b>

**SHEET NOTES**

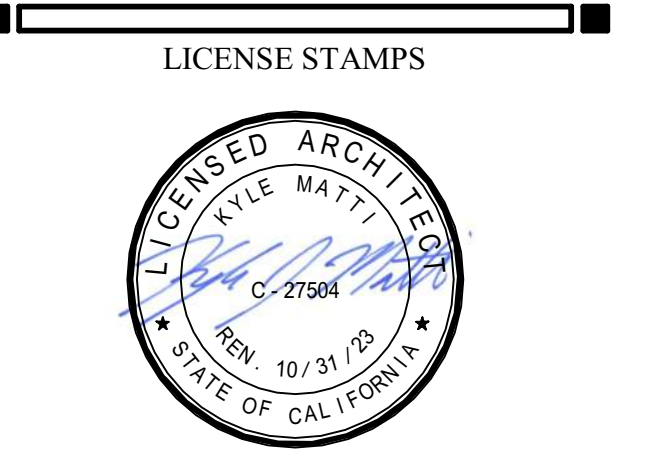
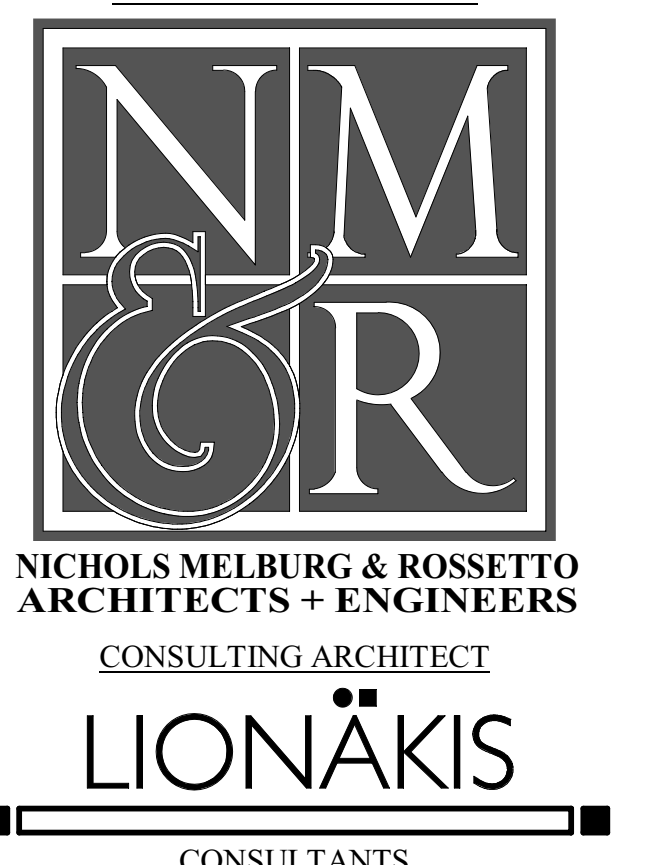
- FURNITURE LAYOUT IS FOR REFERENCE ONLY
- LINE OF FLOOR LEVEL ABOVE
- WALL MOUNTED SMOKE CURTAIN - FLUSH WITH CEILING WHERE OCCURS
- WALL MOUNT (BELOW HANDRAIL) SELF CLOSING EGRESS INTERRUPTION GATE WITH PHOTOLUMINESCENT "NO EXIT" SIGN.

**LEGEND**

- NOTE: REFER TO DRAWINGS A201, A202, A203 & A204 FOR WALL ASSEMBLY TAGS & FLOOR PLANS
- TRAVEL DISTANCE: --->---
  - NUMBER OF OCCUPANTS: [ ]
  - COMBINED NUMBER OF OCCUPANTS IN SPACE: #
  - ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROW: [ ]
  - SMOKE BARRIER PER CBC 408.6: [ ]
  - "SMOKE TIGHT" PARTITION PER CBC 408.8: [ ]
  - EXIT COMPONENT: [ ]
  - OCCUPANT LOAD: [ ]
  - OCCUPANT CALCULATION: [ ]
  - DOOR WIDTH: [ ]
  - 3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS: [ ] SEE DETAIL W14/G122
  - 3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS: [ ] SEE DETAIL W12/G122
  - 3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS: [ ] SEE DETAIL W13/G122
  - NON-RATED 12" INSULATED CMU NON-BEARING WALL: [ ] SEE DETAIL W11/G122
  - 3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS: [ ] SEE DETAIL W10/G122
  - 3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS: [ ] SEE DETAIL W8/G122
  - 3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS: [ ] SEE DETAIL W9/G122
  - 3 HOUR CMU BEARING FIRE WALL: [ ] SEE DETAIL W17/G122
  - NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS: [ ] SEE DETAIL W7/G122
  - 3 HOUR CONCRETE RETAINING FIRE WALL: [ ] SEE DETAIL W16/G122
  - NON-RATED CONCRETE SITE RETAINING WALL: [ ] SEE DETAIL W15/G122
  - METAL STUD WALL 1 HOUR PROTECTED OPENINGS: [ ] SEE DETAIL W5/G121
  - METAL STUD WALL 2 HOUR PROTECTED OPENINGS: [ ] SEE DETAIL W6/G121
  - NON-RATED METAL STUD WALL: [ ] SEE DETAILS W3/G121 & W4/G121
  - 2 HOUR EXIT STAIRWAY OR ELEVATOR SHAFT: [ ]
  - FIRE EXTINGUISHER: \*
  - CUMULATIVE OCCUPANCY LOAD: [ ]
  - LEVEL 3 REFUGE AREA DESIGNATION: (A)



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PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**LIFE SAFETY PLAN -  
 LEVEL 2 (GROUND  
 FLOOR)**

DRAWING STATUS  
**WORKING DRAWINGS**

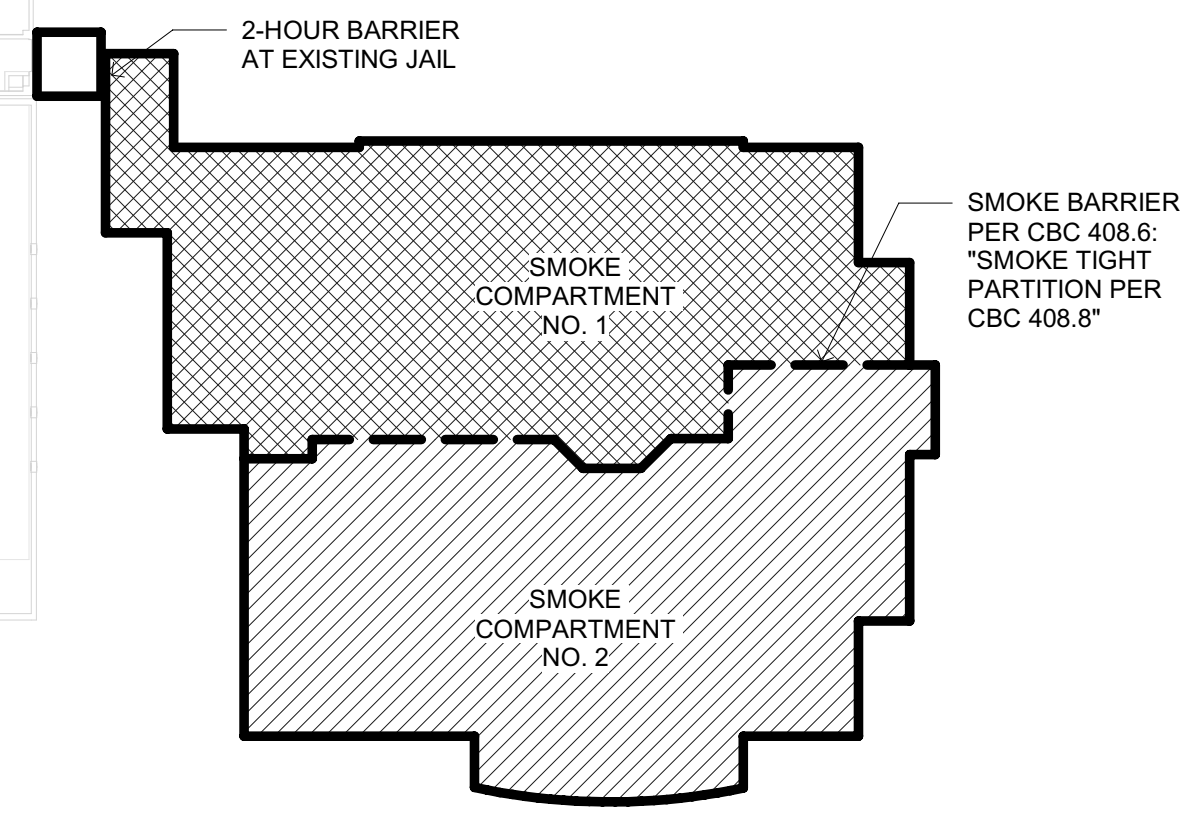
REVISIONS

Delta	Description	Date

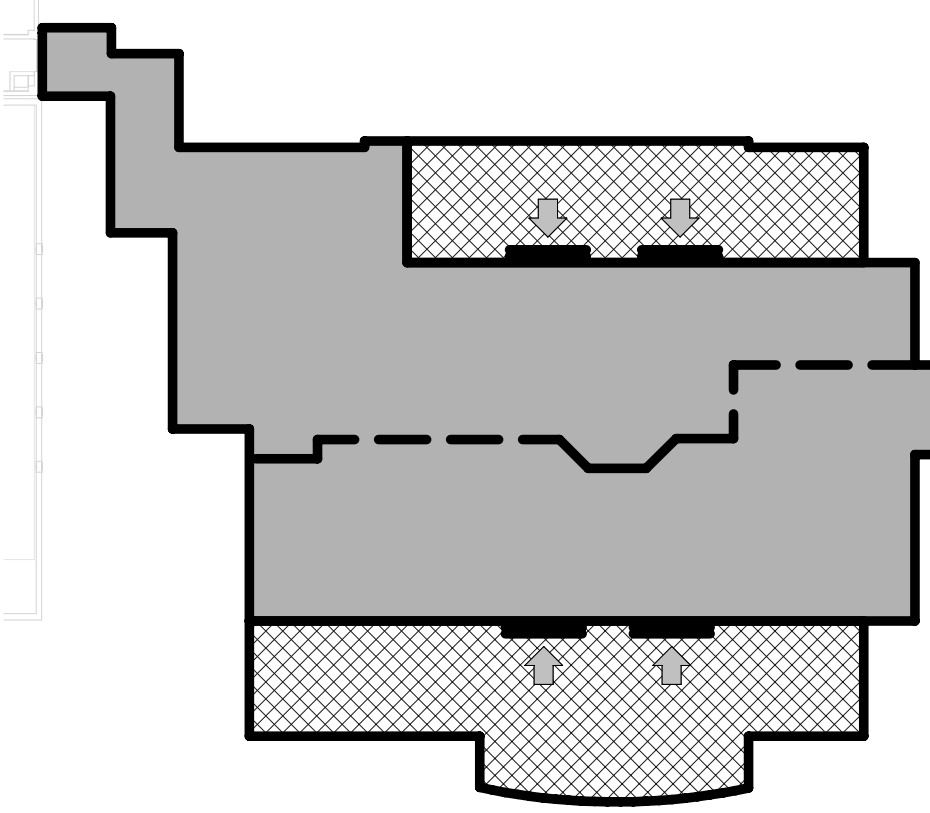
Drawn By: AMP  
 Date Issued: 09.19.2022  
 Scale: 1/8" = 1'-0"  
 Project No.: 16-6421.00

SHEET No.  
**G112 V4**

**SMOKE COMPARTMENT DIAGRAM**



**SMOKE COMPARTMENT OPERABLE WINDOW DIAGRAM**



- NOTES:**
- CBC 408.9 WINDOWLESS BUILDINGS NOT APPLY SINCE AUTOMATIC OPERABLE WINDOWS PROVIDED.
  - SEE WINDOW TYPE AS ON SHEET A7.1.
  - CLERESTORY WINDOWS OPERABLE BY CENTRAL CONTROL & FIRE ALARM SYSTEM.

**SHEET NOTES**

- FURNITURE LAYOUT IS FOR REFERENCE ONLY
- LINE OF FLOOR LEVEL ABOVE
- LINE OF CLERESTORY ABOVE
- WALL MOUNTED SMOKE CURTAIN - FLUSH WITH CEILING WHERE OCCURS

**REFUGE AREA CALCULATIONS**

**SMOKE COMPARTMENT 1**  
53 OCCUPANTS IN ADJOINING SMOKE COMPARTMENT 2  
53 OCC X 6 SF/OCC = 318 SF REQUIRED, OK

REFUGE AREA (A) 372 SF > 318, OK

**SMOKE COMPARTMENT 2**  
36 OCCUPANTS IN ADJOINING SMOKE COMPARTMENT 1  
36 OCC X 6 SF/OCC = 216 SF REQUIRED, OK

REFUGE AREA (B) 776 SF > 216, OK

**OCCUPANCY CALCULATIONS**

NO.	NAME	AREA	LOAD FACTOR	OCCUPANT LOAD
100	ELEV	99 SF		
385	HALL	475 SF		
386.1	WEST STAIR VEST	86 SF		
386.2	HALL	69 SF		
386.3	ELEC	42 SF	150 SF	1
387	HALL	216 SF		
387.1	INTERVIEW	120 SF	150 SF	1
387.2	JAN/STOR	69 SF	150 SF	1
387.3	INTERVIEW	133 SF	150 SF	1
387.4	CHASE	17 SF		
387.31	STOR	22 SF	150 SF	1
388	HALL	675 SF		
388.1	TOILET	86 SF	150 SF	1
388.2	PROGRAM CLASSROOM	251 SF	20 SF	13
388.3	PROGRAM CLASSROOM	231 SF	20 SF	12
388.4	STAFF STATION	132 SF	150 SF	1
388.21	STOR	107 SF	300 SF	1
389	OPEN OFFICE	725 SF	150 SF	5
389.1	MH OFF	104 SF	150 SF	1
389.2	TOILET	78 SF	150 SF	1
389.3	BREAK	33 SF	150 SF	1
389.4	HALL	91 SF	150 SF	1
390	DAYROOM	985 SF		
390.1	DORMITORY	1076 SF		28
390.3	OUTDOOR REC	776 SF		
390.4	JAN/STOR	27 SF		
390.31	CHASE	80 SF		
390.61	CHASE	15 SF		
392	DAYROOM	352 SF		1
392.1	OUTDOOR REC	372 SF		
392.2	CHASE	8 SF		
392.3	DORMITORY	429 SF		10
392.5	JAN	27 SF		
392.21	CHASE	46 SF		1
393	DAYROOM (MH)	372 SF		1
393.1	DOUBLE CELL	109 SF		2
393.2	DOUBLE CELL	109 SF		2
393.3	DOUBLE CELL (ACS)	144 SF		2
393.4	CHASE	9 SF		
393.5	SHOWER	43 SF		
393.6	JAN/STOR	36 SF		
393.3	WEST STAIR	272 SF		
393.1	EAST STAIR	368 SF		
<b>TOTAL OCCUPANT LOAD LEVEL 3</b>				<b>89</b>

**PROGRAMMING & OPERATIONS NOTES**

- NON-AMBULATORY INMATES WILL NOT RESIDE IN ANY OF THE DORMS AT THIS LEVEL. ALL NON-AMBULATORY INMATES WILL RESIDE IN THE MEDICAL UNIT IN THE ADJACENT JAIL FACILITY.

**BSSC AREA CALCULATIONS**

**DOUBLE-OCCUPANCY CELLS, TYPE 3 FACILITY, 70 SF MIN REQ'D**  
DOUBLE CELL 393.1: 77 SF, OK  
DOUBLE CELL 393.2: 77 SF, OK  
DOUBLE CELL (ACS): 112 SF, OK

**DORMITORIES, 70 SF/DOUBLE BED UNIT**  
DORMITORY 390.1: 14 UNITS x 70 SF/DOUBLE UNIT = 980 SF REQ'D  
1,076 SF PROVIDED, OK

**DORMITORY 392.3: 5 UNITS x 70 SF/DOUBLE UNIT = 350 SF REQ'D**  
429 SF PROVIDED, OK

**DAYROOMS, 35 SF/INMATE**  
DAYROOM 390.28: 10 INMATES x 35 SF/INMATE = 980 SF REQ'D  
985 SF PROVIDED, OK

**DAYROOM 392: 10 INMATES x 35 SF/INMATE = 350 SF REQ'D**  
352 SF PROVIDED, OK

**LEGEND**

NOTE: REFER TO DRAWINGS A201, A202, A203 & A204 FOR WALL ASSEMBLY TAGS & FLOOR PLANS.

TRAVEL DISTANCE: FIRE EXTINGUISHER:

NUMBER OF OCCUPANTS: CUMULATIVE OCCUPANCY LOAD:

COMBINED NUMBER OF OCCUPANTS IN SPACE: LEVEL 3 REFUGE AREA DESIGNATION: (A)

ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROW:

SMOKE BARRIER PER CB 408.6: SMOKE TIGHT PARTITION PER CBC 408.8:

EXIT COMPONENT: DOOR:

OCCUPANT LOAD: 1 OCC:

OCCUPANT CALCULATION: 1" REQ.:

DOOR WIDTH: 1" PROV.:

3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS: SEE DETAIL W14/G122

3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS: SEE DETAIL W12/G122

3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS: SEE DETAIL W13/G122

NON-RATED 12" INSULATED CMU NON-BEARING WALL: SEE DETAIL W11/G122

3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS: SEE DETAIL W10/G122

3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS: SEE DETAIL W8/G122

3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS: SEE DETAIL W9/G122

3 HOUR CMU BEARING FIRE WALL: SEE DETAIL W17/G122

NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS: SEE DETAIL W7/G122

3 HOUR CONCRETE RETAINING FIRE WALL: SEE DETAIL W16/G122

NON-RATED CONCRETE SITE RETAINING WALL: SEE DETAIL W15/G122

METAL STUD WALL 1 HOUR PROTECTED OPENINGS: SEE DETAIL W5/G121

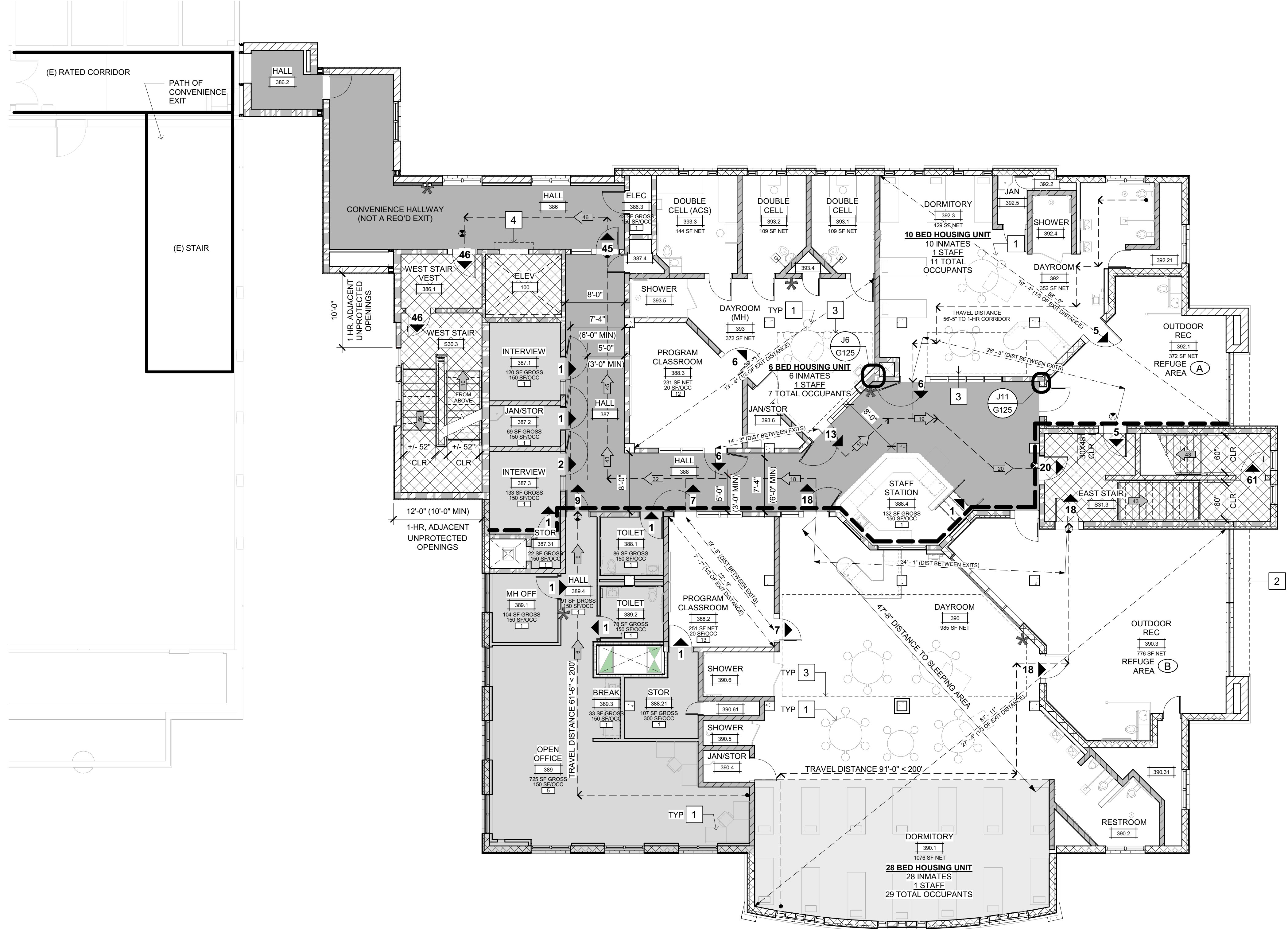
METAL STUD WALL 2 HOUR PROTECTED OPENINGS: SEE DETAIL W6/G121

NON-RATED METAL STUD WALL: SEE DETAILS W3/G121 & W4/G121

2 HOUR EXIT STAIRWAY OR ELEVATOR SHAFT:

1 HR EXIT CORRIDOR:

NON SEPARATED B OCCUPANCY:

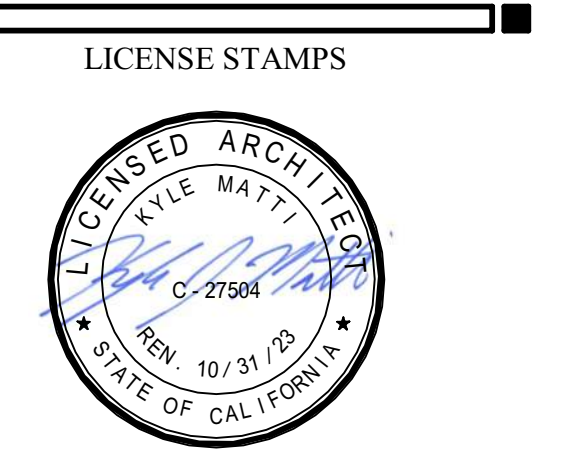
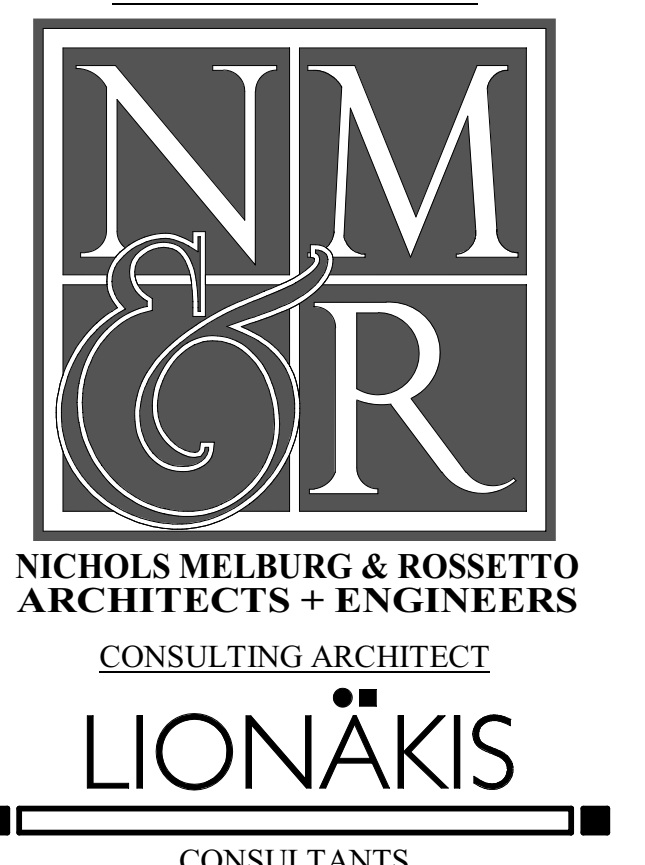


**LEVEL 3 (1ST LEVEL ABV GRADE) OCCUPANT PLAN**

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



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**LIFE SAFETY PLAN - LEVEL 3 (1ST LEVEL ABV GRADE)**

DRAWING STATUS  
**WORKING DRAWINGS**

**REVISIONS**

Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**G113 V4**

OCCUPANCY CALCULATIONS				
NO.	NAME	AREA	LOAD FACTOR	OCCUPANT LOAD
100	ELEVATOR	111 SF		
402	MECH PENTHOUSE	2645 SF	300 SF	9
403	LOW VOLTAGE	110 SF	300 SF	1
S30.4	WEST STAIR	390 SF		
TOTAL OCCUPANT LOAD LEVEL 4:				10

### SHEET NOTES

- OPERABLE CLERESTORY WINDOWS
- CONCEALED SPACE BETWEEN ROOF & FLOOR BELOW, FOR MAINTENANCE PURPOSES ONLY. NO STORAGE.
- NOT AN EXIT. ACCESS DOOR IS FOR MAINTENANCE ACCESS ONLY. PROVIDE VINYL SIGNAGE PER DOOR SCHEDULE
- WALL BELOW, SHOWN DASHED
- TUBULAR SKYLIGHT
- WALL MOUNTED SMOKE CURTAIN - FLUSH WITH CEILING WHERE OCCURS

### LEGEND

NOTE: REFER TO DRAWINGS A201, A202, A203 & A204 FOR WALL ASSEMBLY TAGS & FLOOR PLANS.

- TRAVEL DISTANCE FIRE EXTINGUISHER
- NUMBER OF OCCUPANTS CUMULATIVE OCCUPANCY LOAD
- COMBINED NUMBER OF OCCUPANTS IN SPACE LEVEL 3 REFUGE AREA DESIGNATION
- ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROW
- SMOKE BARRIER PER CBC 408.6: "SMOKE TIGHT PARTITION PER CBC 408.6"
- EXIT COMPONENT DOOR
- OCCUPANT LOAD 1 OCC
- OCCUPANT CALCULATION 1" REQ.
- DOOR WIDTH 1" PROV.
- 3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W14/G122
- 3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W12/G122
- 3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W13/G122
- NON-RATED 12" INSULATED CMU NON-BEARING WALL SEE DETAIL W11/G122
- 3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W10/G122
- 3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W8/G122
- 3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W9/G122
- 3 HOUR CMU BEARING FIRE WALL SEE DETAIL W17/G122
- NON-RATED CMU WALL NON-BEARING UNPROTECTED OPENINGS SEE DETAIL W7/G122
- 3 HOUR CONCRETE RETAINING FIRE WALL SEE DETAIL W16/G122
- NON-RATED CONCRETE SITE RETAINING WALL SEE DETAIL W15/G122
- METAL STUD WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W5/G121
- METAL STUD WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W6/G121
- NON-RATED METAL STUD WALL SEE DETAILS W3/G121 & W4/G121
- 2 HOUR EXIT STAIRWAY OR ELEVATOR SHAFT
- CONCEALED SPACE BETWEEN ROOF & FLOOR BELOW, FOR MAINTENANCE PURPOSES ONLY. NO STORAGE.

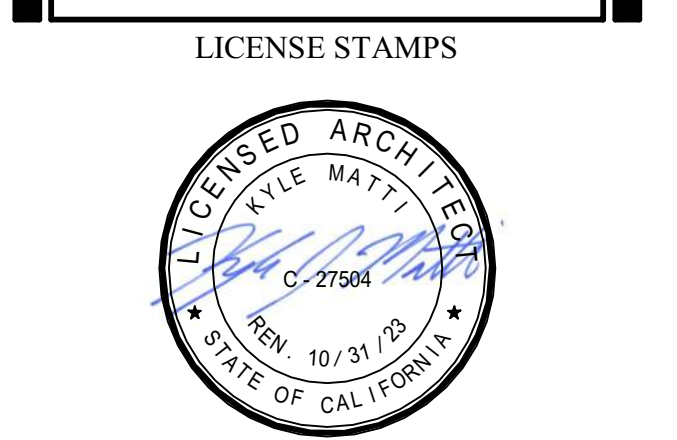


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ARCHITECT OF RECORD

NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT

LIONAKIS  
 CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

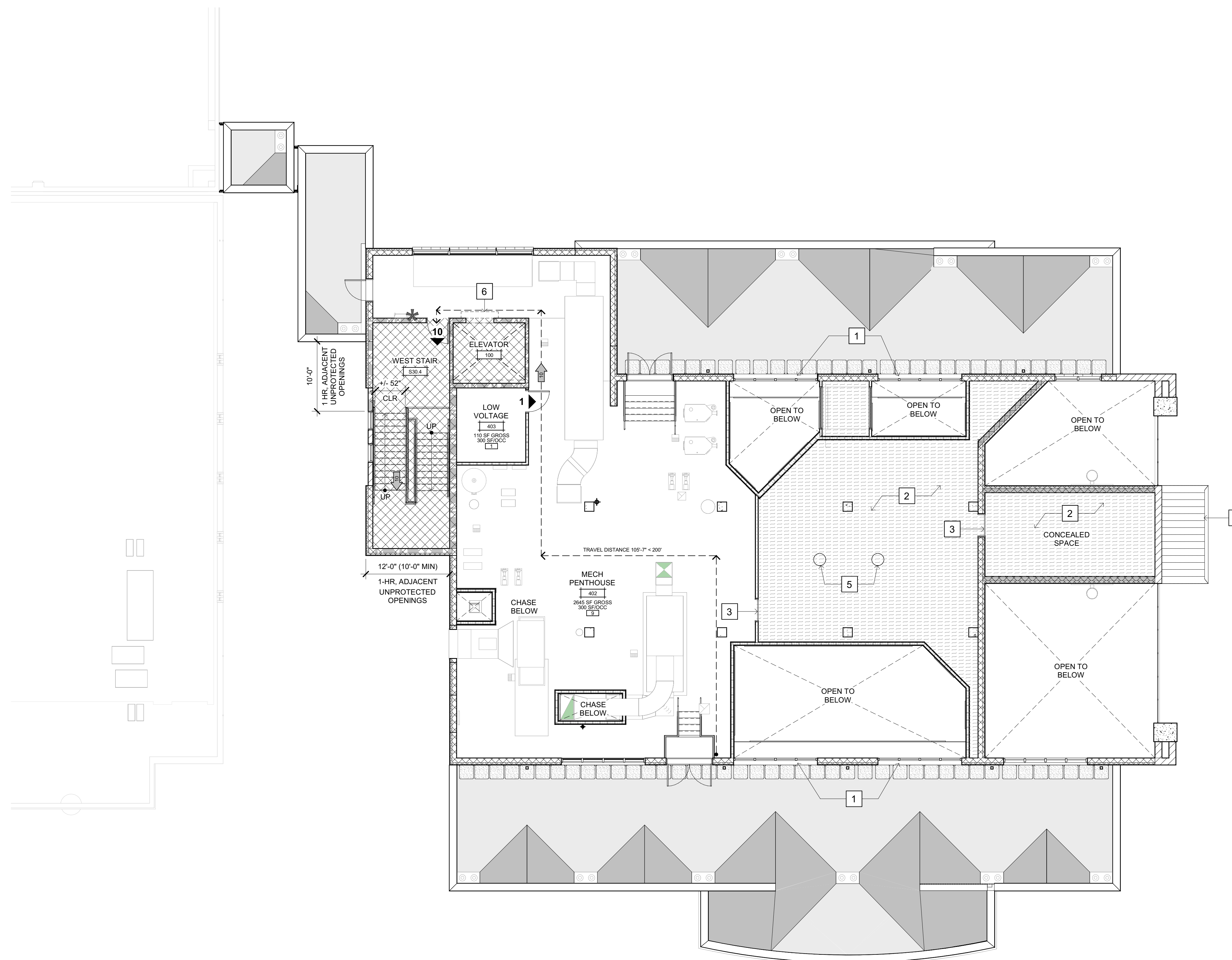
SHEET TITLE  
**LIFE SAFETY PLAN -  
 LEVEL 4 (2ND LEVEL  
 ABV GRADE)**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**G114 V4**

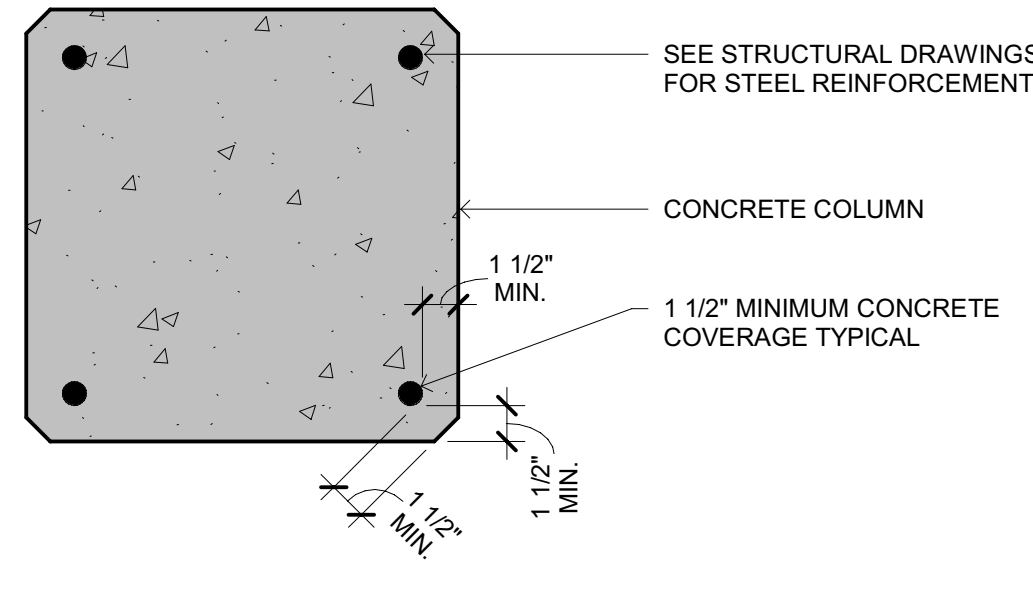


**LEVEL 4 (2ND LEVEL ABV GRADE)  
 OCCUPANT PLAN**

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

COLUMN ASSEMBLIES

Table 721.1(1) - Minimum Protection of Structural Parts Based on Time Periods for Various Noncombustible Insulating Materials. Columns include: Structural Parts to be Protected, Item Number, Insulating Material Used, and Minimum Thickness of Insulating Material for the Following Time Periods (Hours).

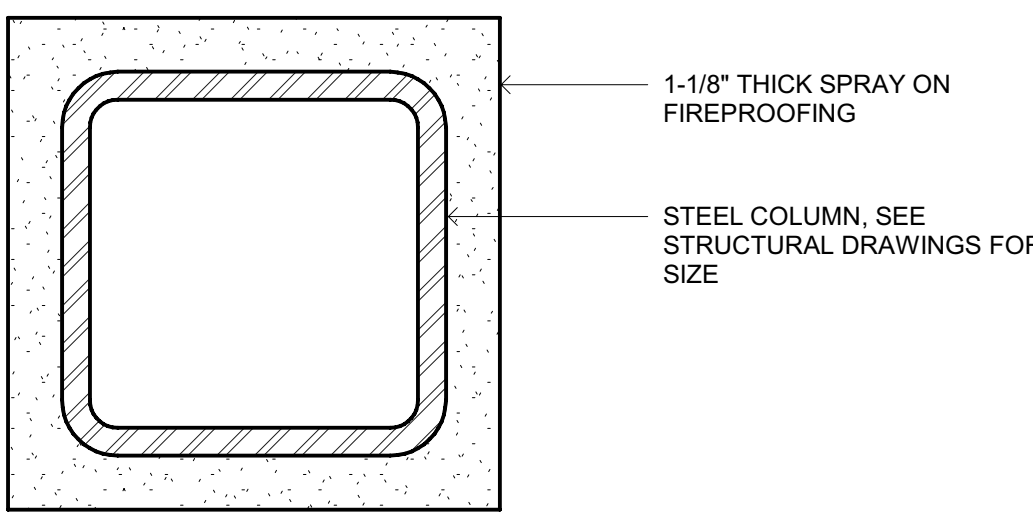


3 HOUR RATING G120

3 HOUR CONCRETE COLUMN ASSEMBLY

SCALE: 1 1/2" = 1'-0" CL1

Table 721.1(1) - Continued. Minimum Protection of Structural Parts Based on Time Periods for Various Noncombustible Insulating Materials. Columns include: Structural Parts to be Protected, Item Number, Insulating Material Used, and Minimum Thickness of Insulating Material for the Following Time Periods (Hours).



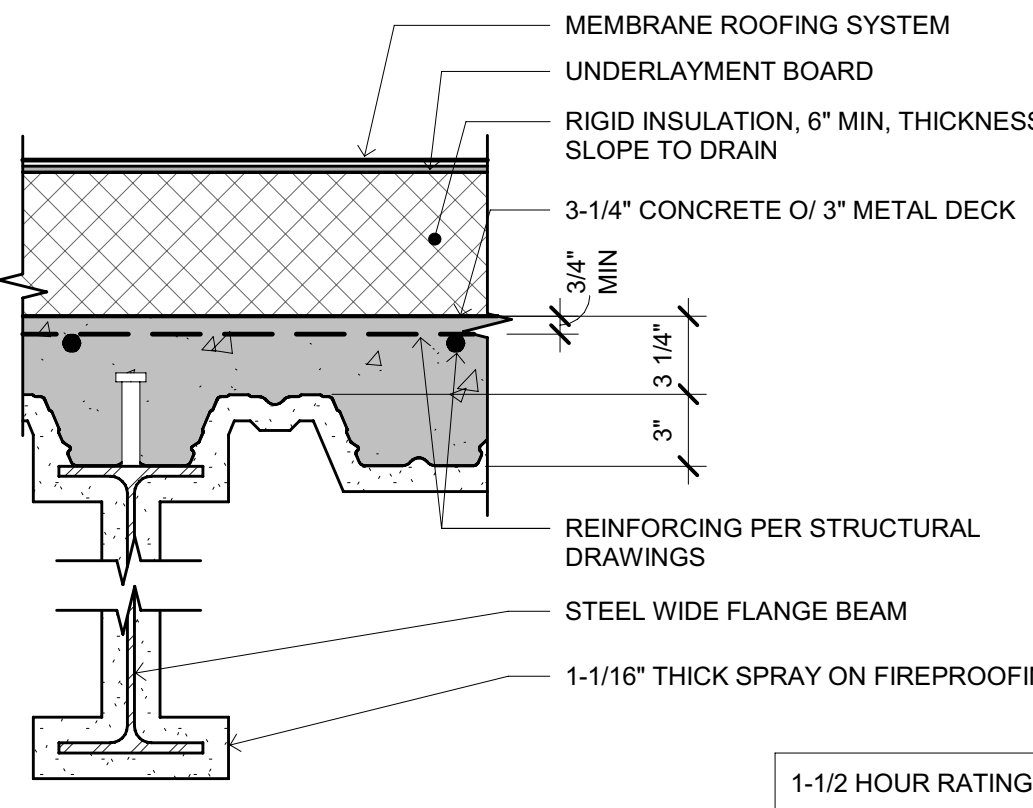
3 HOUR RATING G120

3 HOUR HSS COLUMN ASSEMBLY

SCALE: 3\"/>

ROOF ASSEMBLIES

Table 721.1(1) - Minimum Protection of Structural Parts Based on Time Periods for Various Noncombustible Insulating Materials. Columns include: Structural Parts to be Protected, Item Number, Insulating Material Used, and Minimum Thickness of Insulating Material for the Following Time Periods (Hours).

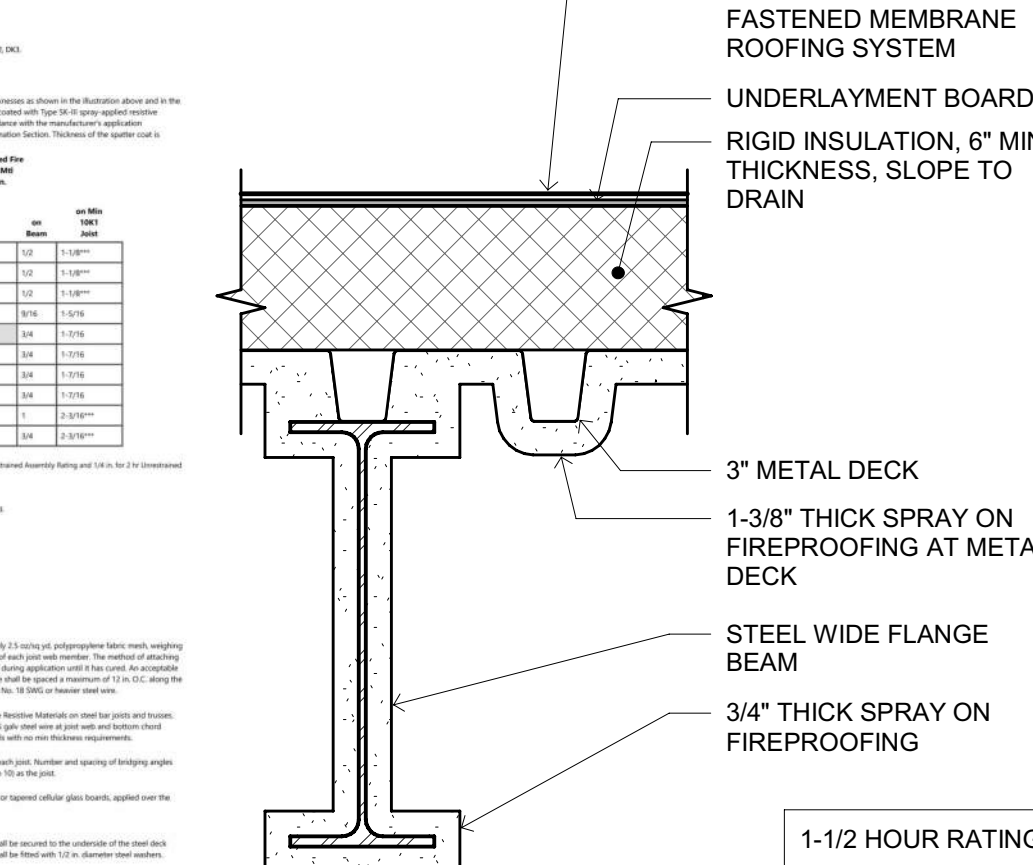


1-1/2 HOUR RATING G120

1-1/2 HR COMPOSITE DECK & MEMBRANE ROOFING ASSEMBLY

SCALE: 1 1/2\"/>

Table 721.1(1) - Continued. Minimum Protection of Structural Parts Based on Time Periods for Various Noncombustible Insulating Materials. Columns include: Structural Parts to be Protected, Item Number, Insulating Material Used, and Minimum Thickness of Insulating Material for the Following Time Periods (Hours).

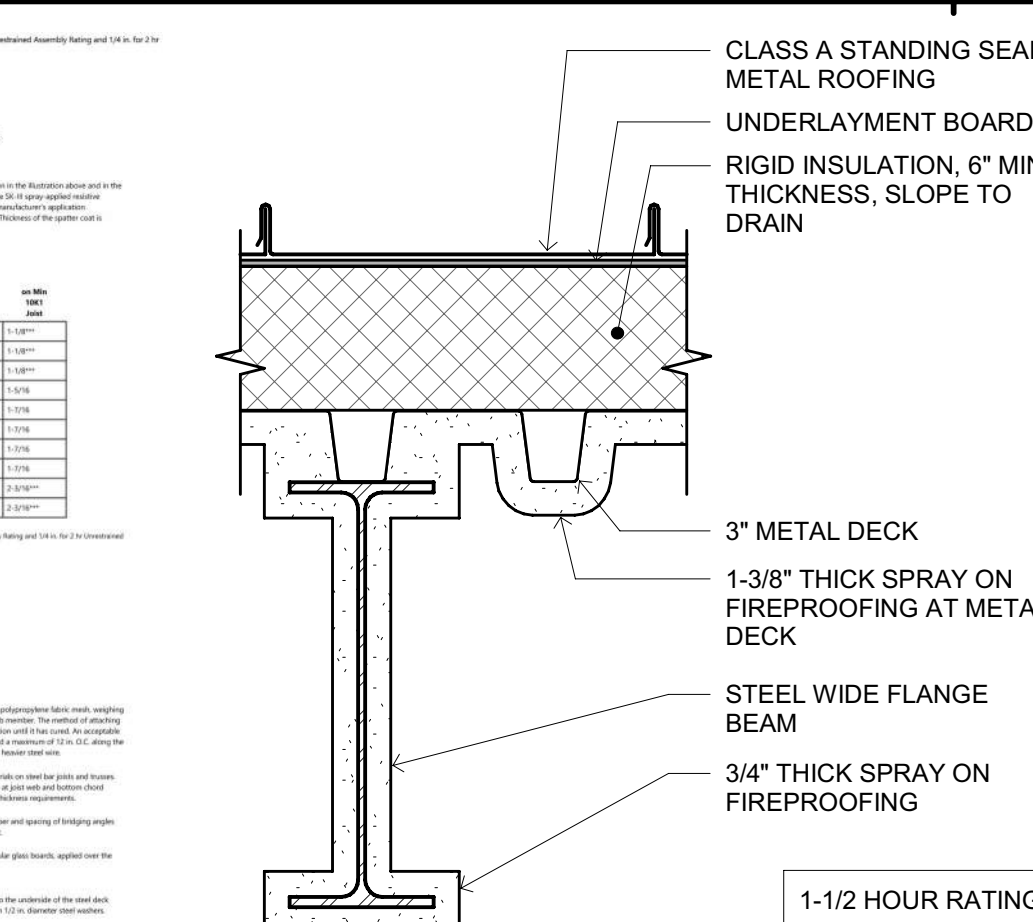


1-1/2 HOUR RATING G120

1-1/2 HR METAL DECK & MEMBRANE ROOFING ASSEMBLY

SCALE: 1 1/2\"/>

Table 721.1(1) - Continued. Minimum Protection of Structural Parts Based on Time Periods for Various Noncombustible Insulating Materials. Columns include: Structural Parts to be Protected, Item Number, Insulating Material Used, and Minimum Thickness of Insulating Material for the Following Time Periods (Hours).



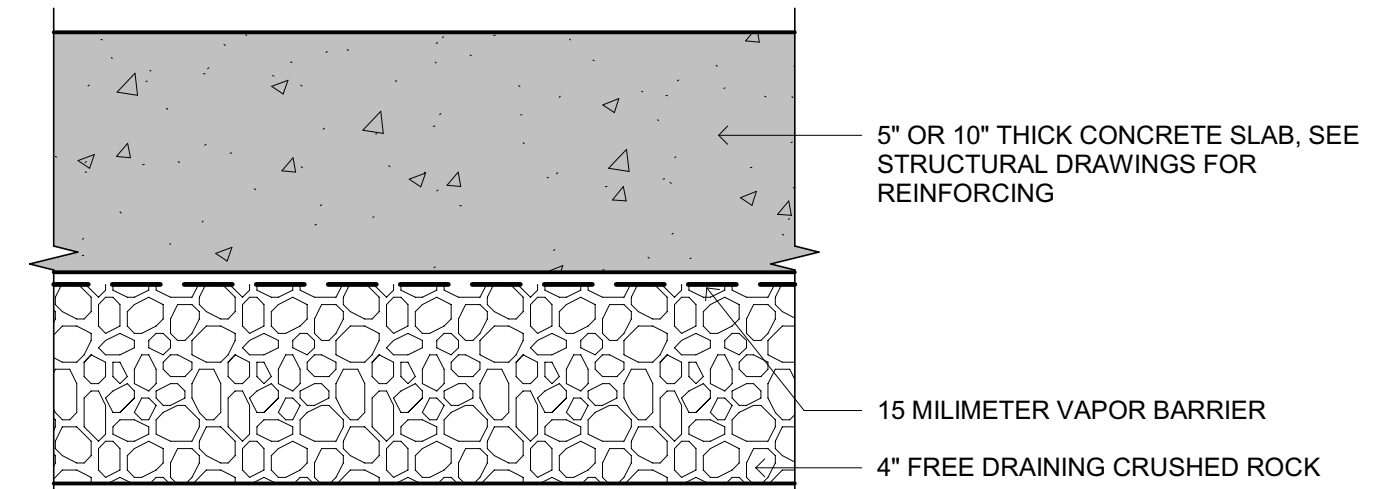
1-1/2 HOUR RATING G120

1-1/2 HR METAL DECK & METAL ROOFING ASSEMBLY

SCALE: 1 1/2\"/>

FLOOR ASSEMBLIES

Table 721.1(2) - Minimum Protection for Floor and Roof Systems. Columns include: Floor or Roof Construction, Item Number, Ceiling Construction, and Minimum Thickness of Ceiling (inches).

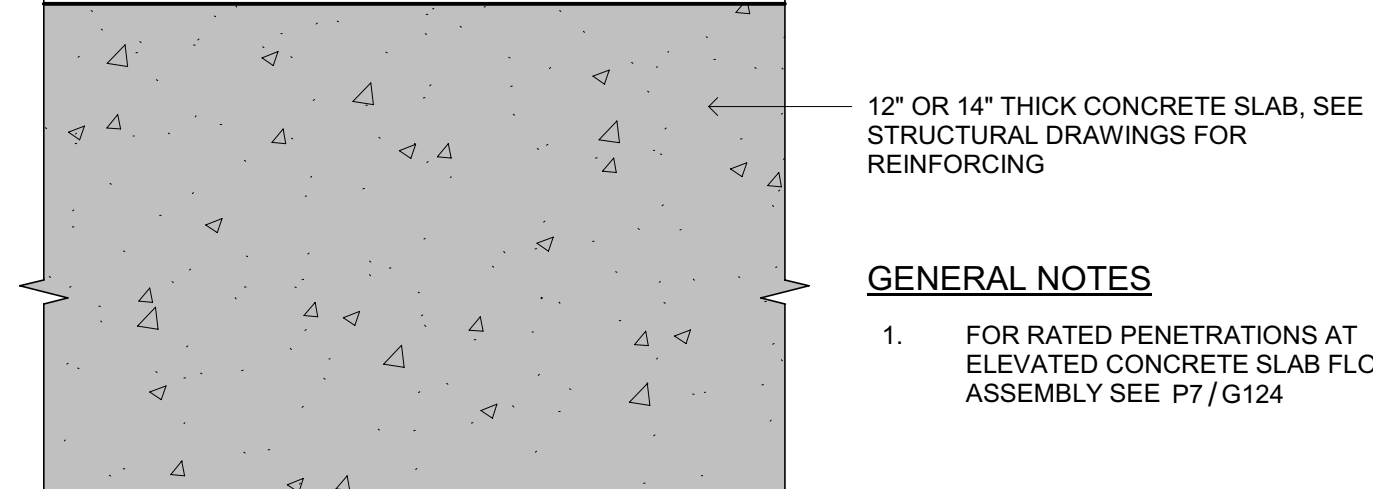


NOT FIRE RATED G120

CONCRETE SLAB ON GRADE

SCALE: 3\"/>

Table 721.1(2) - Continued. Minimum Protection for Floor and Roof Systems. Columns include: Floor or Roof Construction, Item Number, Ceiling Construction, and Minimum Thickness of Ceiling (inches).

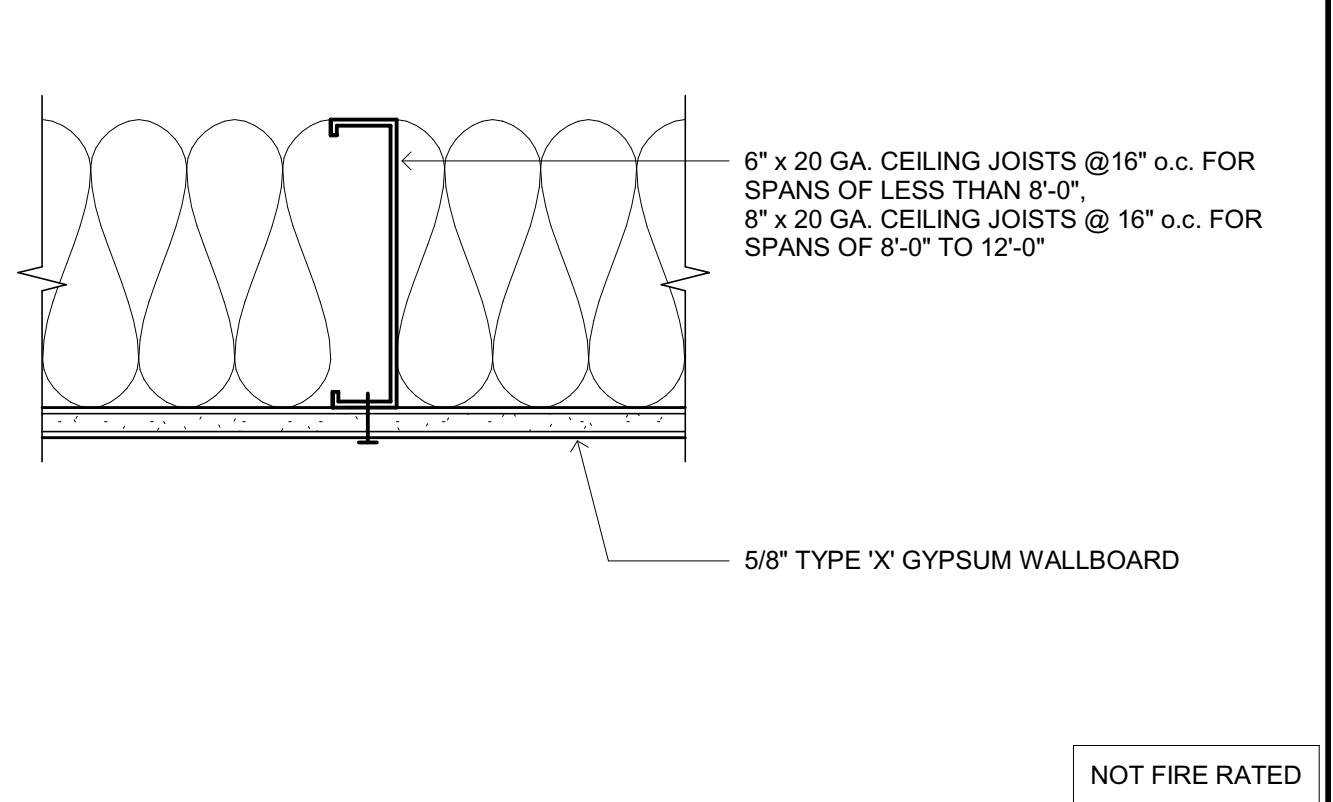


2 HOUR RATING G120

2 HR ELEVATED CONCRETE SLAB FLOOR ASSEMBLY

SCALE: 3\"/>

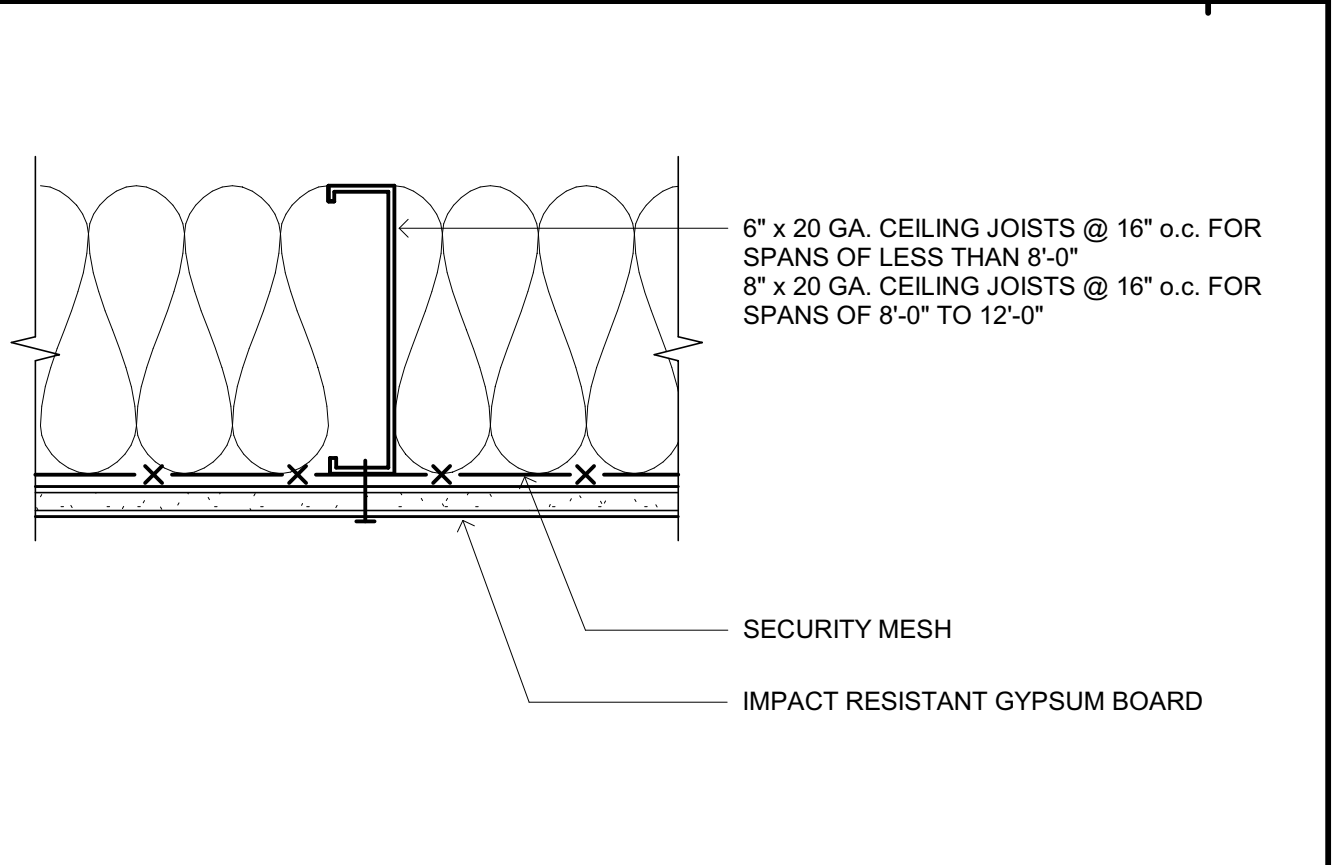
CEILING ASSEMBLIES



NOT FIRE RATED G120

CEILING ASSEMBLY - GYPSUM BOARD

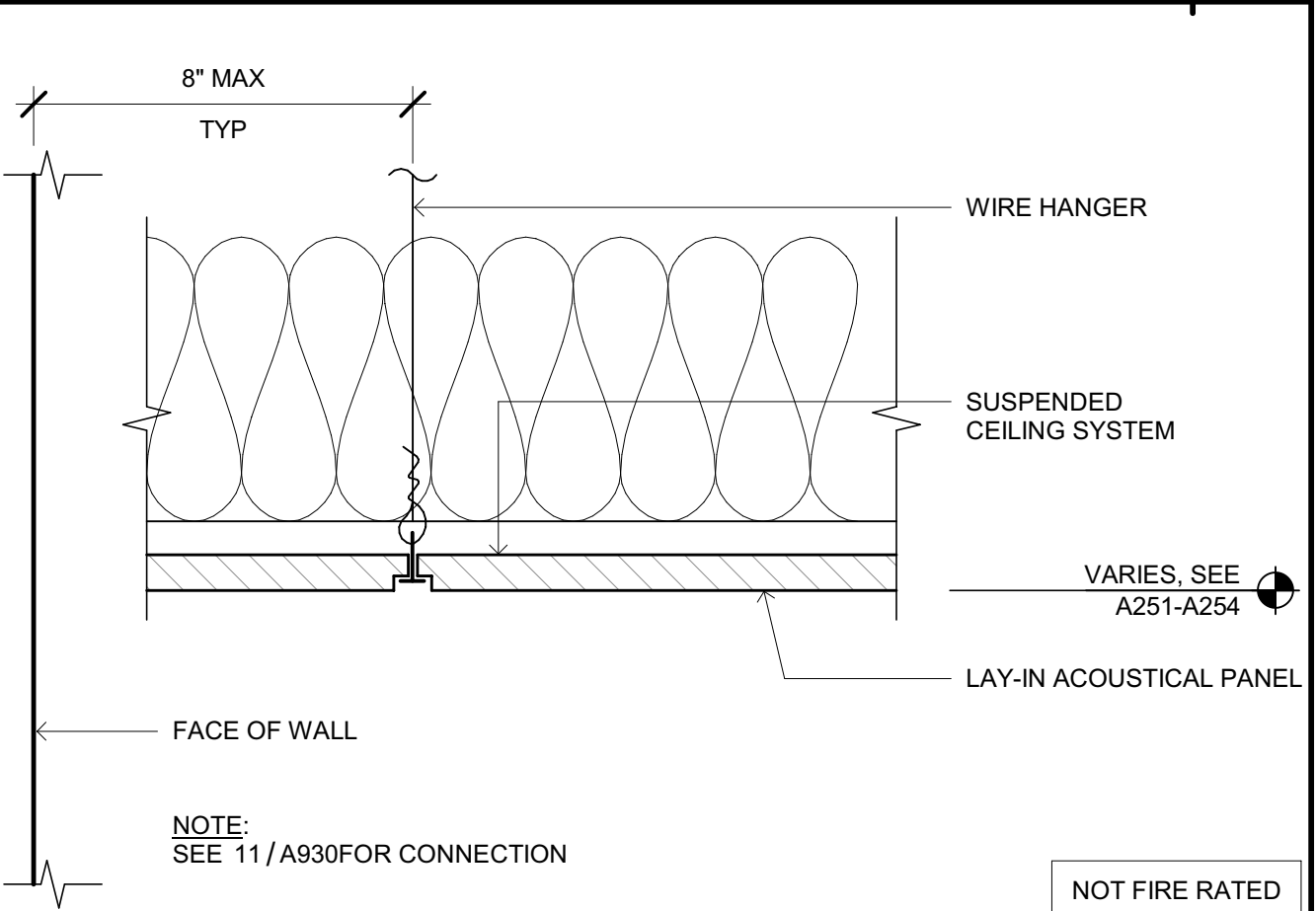
SCALE: 3\"/>



NOT FIRE RATED G120

CEILING ASSEMBLY - IMPACT RESISTANT GYPSUM BOARD

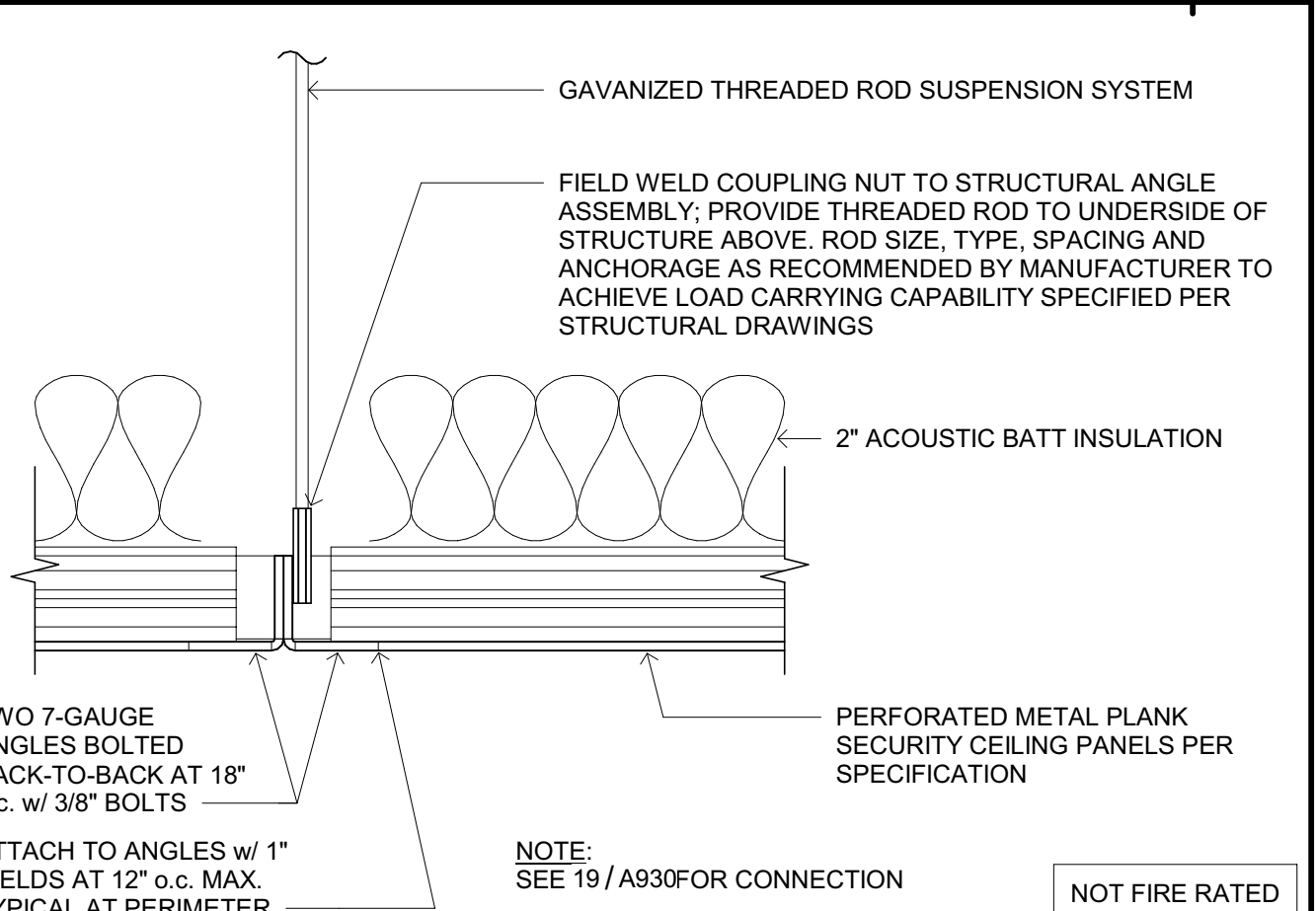
SCALE: 3\"/>



NOT FIRE RATED G120

CEILING ASSEMBLY - SUSPENDED ACOUSTIC CEILING TILE

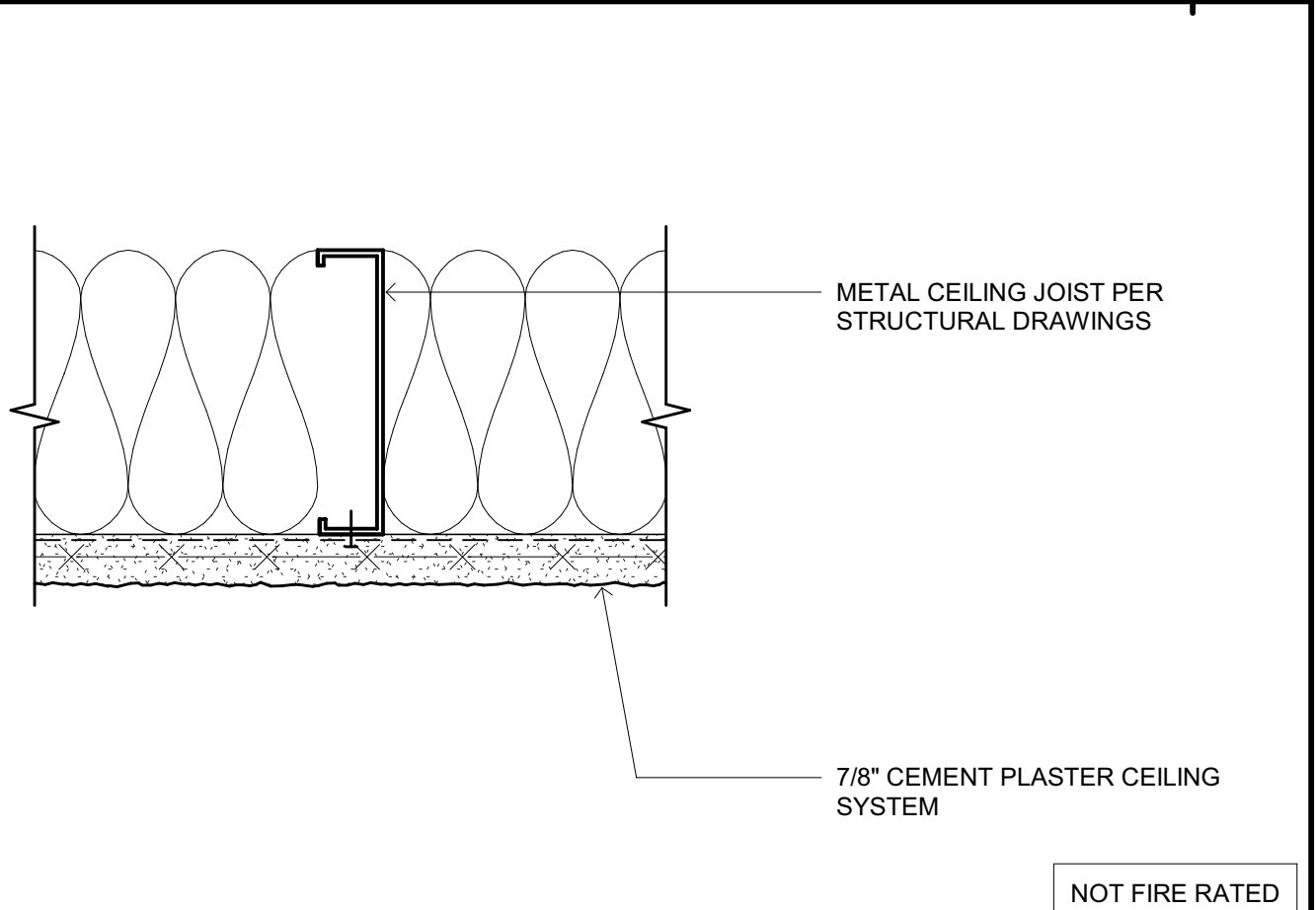
SCALE: 3\"/>



NOT FIRE RATED G120

CEILING ASSEMBLY - SUSPENDED SECURITY PANEL CEILING

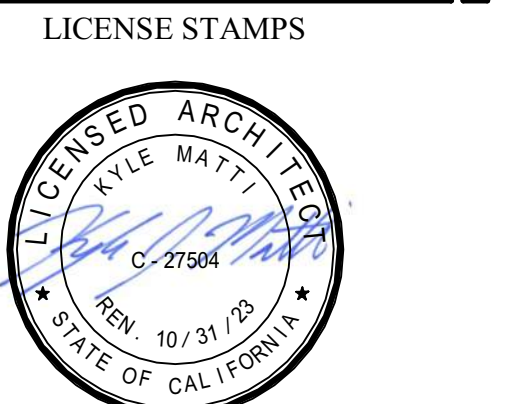
SCALE: 3\"/>



NOT FIRE RATED G120

CEILING ASSEMBLY - CEMENT PLASTER

SCALE: 3\"/>



PROJECT NAME: HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER, 929 5th STREET, EUREKA, CA 95501. SHEET TITLE: CEILING, ROOF, FLOOR & COLUMN ASSEMBLIES.

DRAWING STATUS: WORKING DRAWINGS

Table of REVISIONS. Columns: Delta, Description, Date. Also includes a table for drawing information: Drawn By (AMP), Date Issued (09.19.2022), Scale (As indicated), Project No. (16-6421.00), SHEET No. (G120 V4).

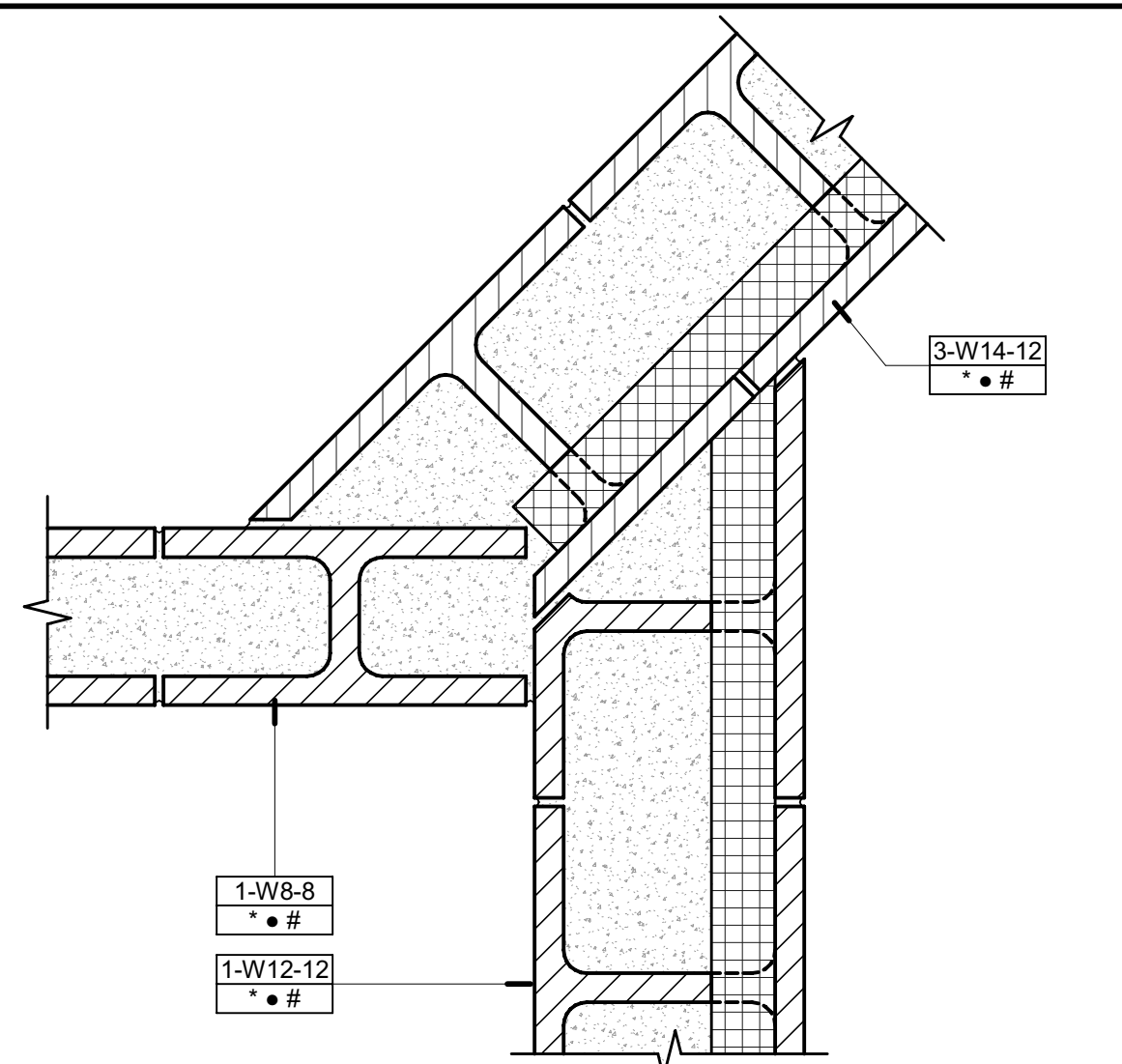










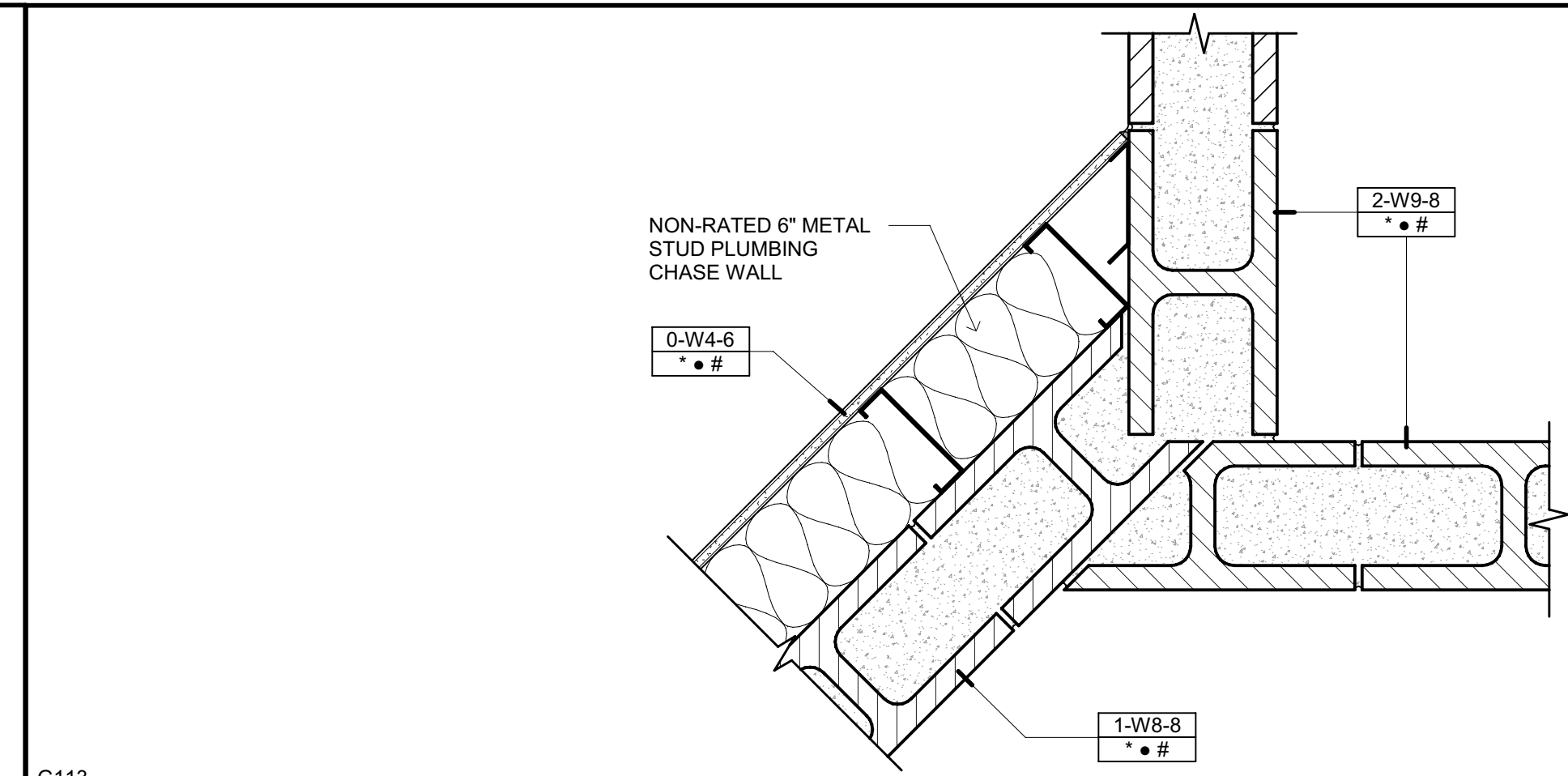


**GENERAL NOTES**  
 1. REFER TO 2-HR WALL ASSEMBLY, FOR ADDITIONAL NOTES  
 2. REFER TO PARTITION PRIORITY LEGEND ON FLOOR PLAN SHEETS FOR ADDITIONAL INFORMATION

**LEGEND**  
 [Symbol] 3 HOUR CMU BEARING WALL  
 [Symbol] 1 HOUR PROTECTED OPENINGS  
 [Symbol] 3 HOUR INSULATED CMU BEARING WALL  
 [Symbol] 1 HOUR PROTECTED OPENINGS  
 [Symbol] 3 HOUR INSULATED CMU BEARING WALL  
 [Symbol] UNPROTECTED OPENINGS

**NOTES:**  
 1. THERE SHALL BE NO JOINT OR GAP AT WALL INTERSECTION. CMU SHALL BE CONTINUOUS & INTERLOCKING AT CORNER TO MAINTAIN THE INHERIT 4 HOUR RATING THAT FULLY GROUTED 7-5/8" WIDE CMU HAS PER CBC TABLE 721.1(2), ITEM 3.

G113  
**FIRE RATED JT - CMU WALLS - 1 HR PROT CMU & 1 HR PROT INSUL CMU**  
 SCALE: 1 1/2" = 1'-0"

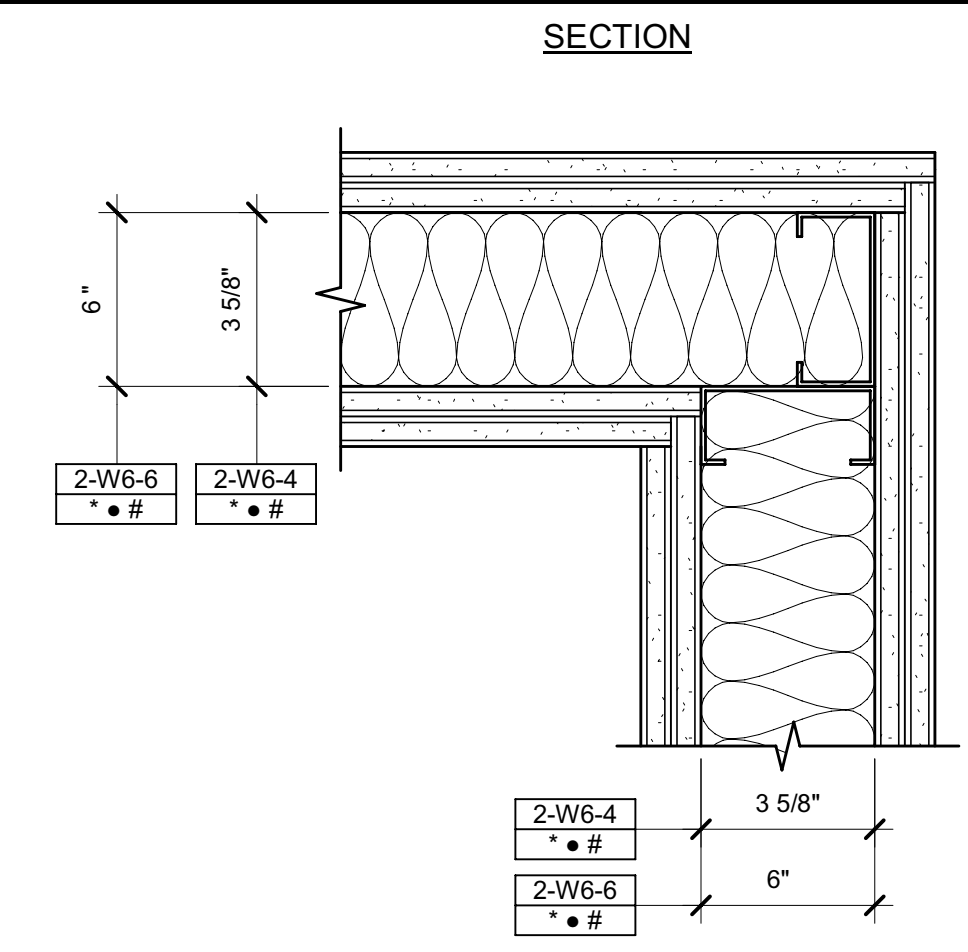


**GENERAL NOTES**  
 1. REFER TO 2-HR WALL ASSEMBLY, FOR ADDITIONAL NOTES  
 2. REFER TO PARTITION PRIORITY LEGEND ON FLOOR PLAN SHEETS FOR ADDITIONAL INFORMATION

**LEGEND**  
 [Symbol] 3 HOUR CMU BEARING WALL  
 [Symbol] 2 HOUR PROTECTED OPENINGS  
 [Symbol] 3 HOUR CMU BEARING WALL  
 [Symbol] 1 HOUR PROTECTED OPENINGS

**NOTES:**  
 1. THERE SHALL BE NO JOINT OR GAP AT WALL INTERSECTION. CMU SHALL BE CONTINUOUS & INTERLOCKING AT CORNER TO MAINTAIN THE INHERIT 4 HOUR RATING THAT FULLY GROUTED 7-5/8" WIDE CMU HAS PER CBC TABLE 721.1(2), ITEM 3.

G113  
**FIRE RATED JT - CMU WALLS - 2 HR PROT. & 1 HR PROT CMU WALL**  
 SCALE: 1 1/2" = 1'-0"



**GENERAL NOTES**  
 1. REFER TO 2-HR WALL ASSEMBLY, W6/G121 FOR ADDITIONAL NOTES  
 2. REFER TO PARTITION PRIORITY LEGEND ON FLOOR PLAN SHEETS FOR ADDITIONAL INFORMATION

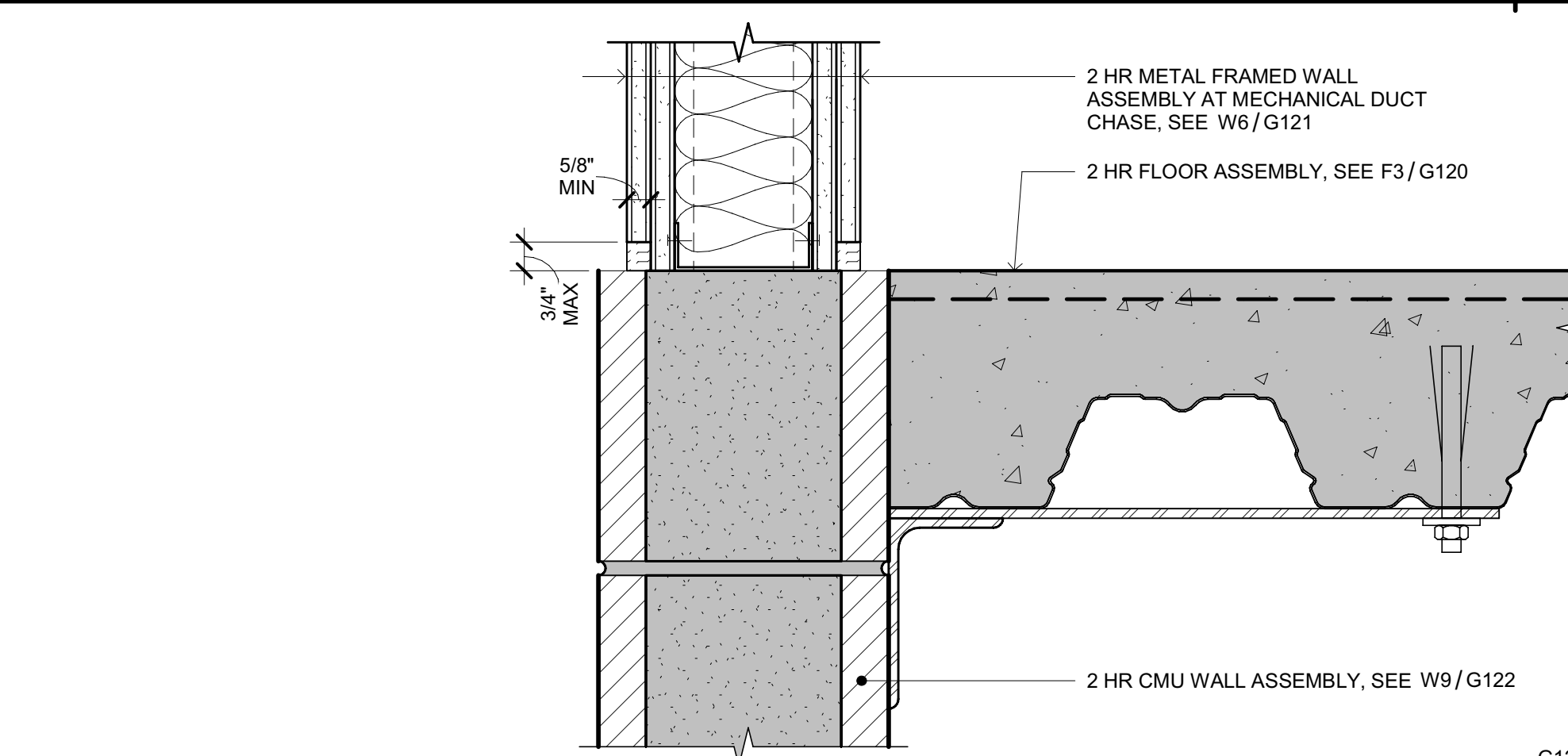
**LEGEND**  
 [Symbol] 2 HOUR RATED FIRE WALL WITH PROTECTED OPENINGS

**NOTES:**  
 1. SEE FINISH SCHEDULE FOR ADDITIONAL FINISHES  
 2. REFER TO A901 FOR TYPICAL METAL STUD PARTITION NOTES & DETAILS

A415  
**FIRE RATED JOINT - TOP OF WALL - GYPSUM BOARD LID AT MECHANICAL CHASE**  
 SCALE: 3" = 1'-0"

System No. WW-S-002

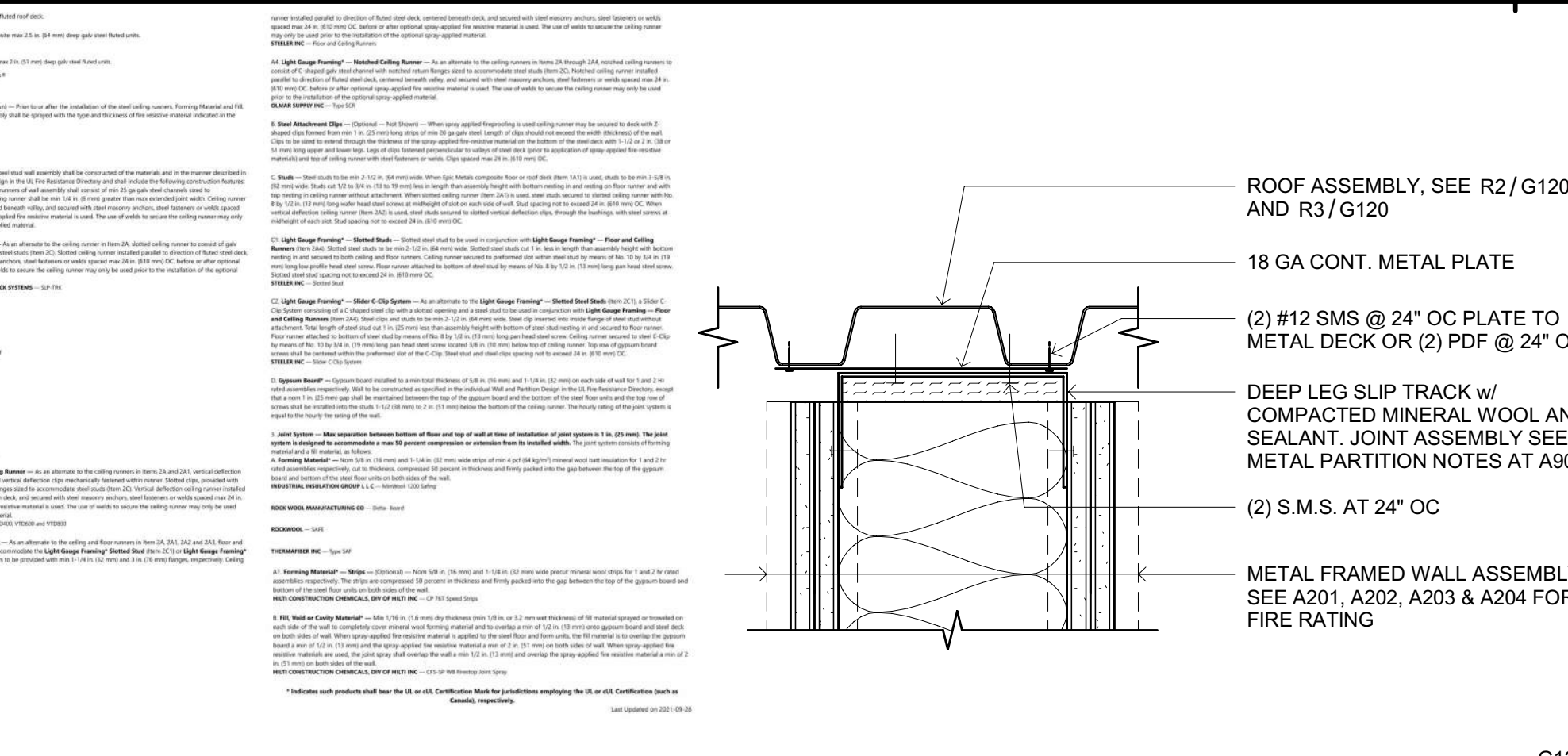
ASSEMBLY	DESCRIPTION	MINIMUM RATING	MAXIMUM HEIGHT
1	2-HR METAL FRAMED WALL ASSEMBLY AT MECHANICAL DUCT CHASE, SEE W6/G121	2 HR	12'-0"
2	2-HR FLOOR ASSEMBLY, SEE F3/G120	2 HR	12'-0"
3	2-HR CMU WALL ASSEMBLY, SEE W9/G122	2 HR	12'-0"



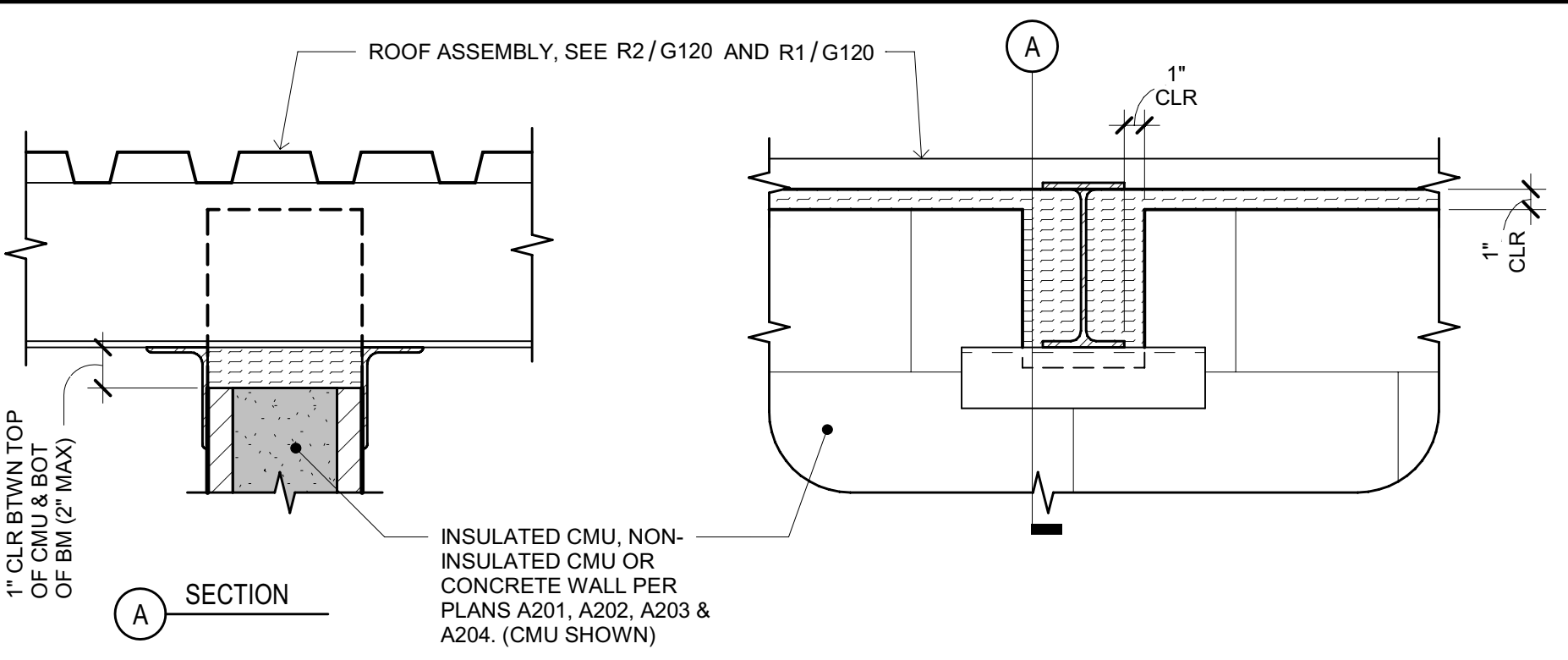
A415  
**FIRE RATED JOINT - BOTTOM OF WALL - METAL FRAMED WALL TO CMU & COMPOSITE DECK AT MECHANICAL DUCT CHASE**  
 SCALE: 3" = 1'-0"

System No. WW-S-002

ASSEMBLY	DESCRIPTION	MINIMUM RATING	MAXIMUM HEIGHT
1	2-HR METAL FRAMED WALL ASSEMBLY AT MECHANICAL DUCT CHASE, SEE W6/G121	2 HR	12'-0"
2	2-HR FLOOR ASSEMBLY, SEE F3/G120	2 HR	12'-0"
3	2-HR CMU WALL ASSEMBLY, SEE W9/G122	2 HR	12'-0"

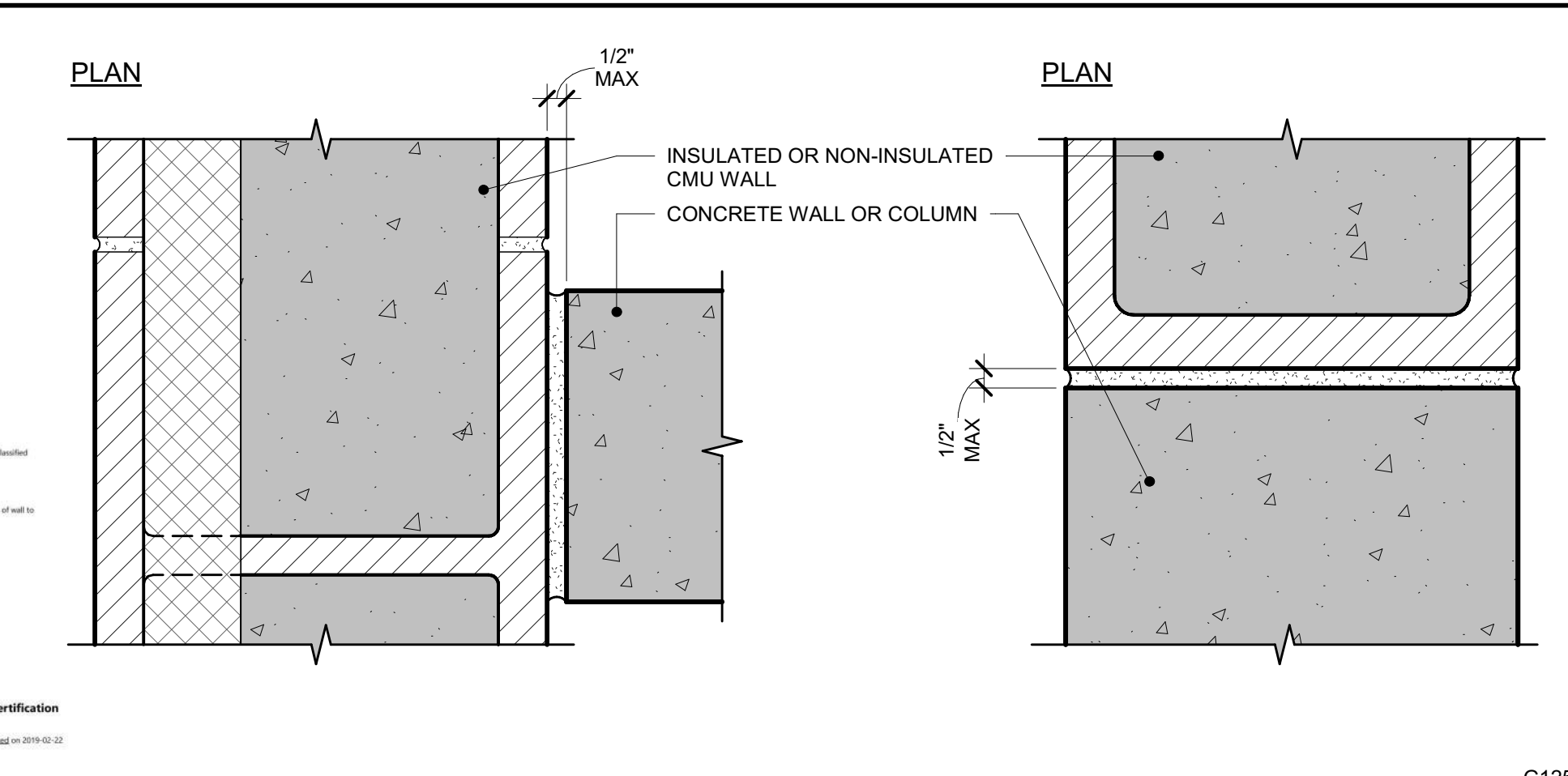
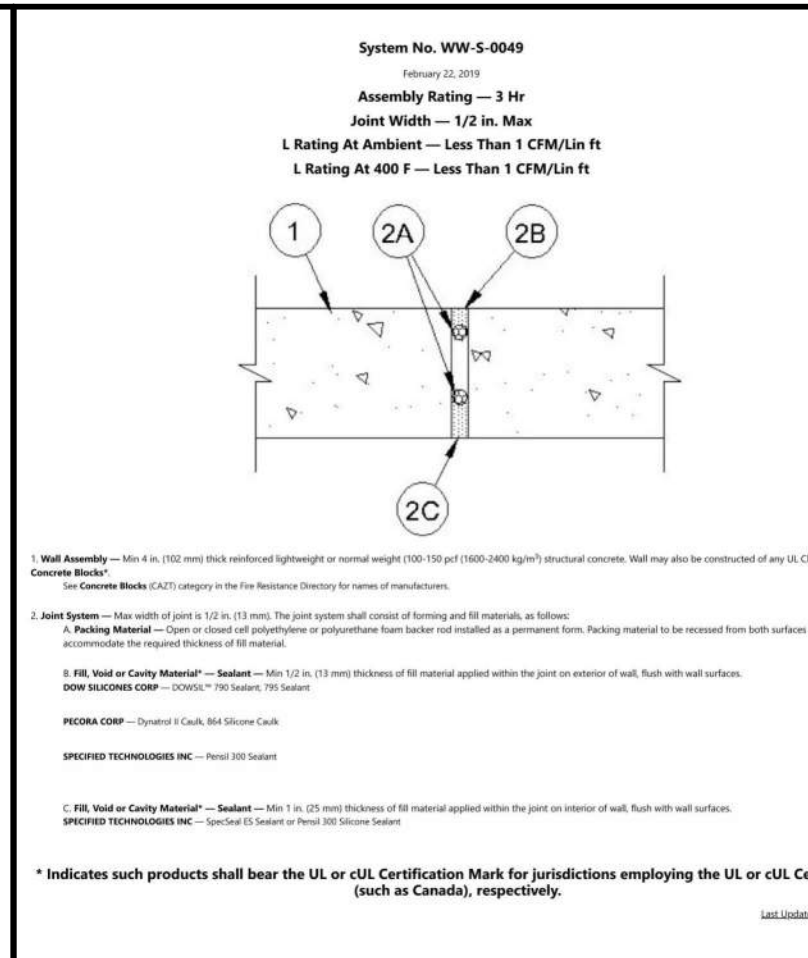


A901  
**FIRE RATED JOINT - TOP OF WALL - METAL FRAMED WALL TO METAL DECK ROOF ASSEMBLY**  
 SCALE: 3" = 1'-0"

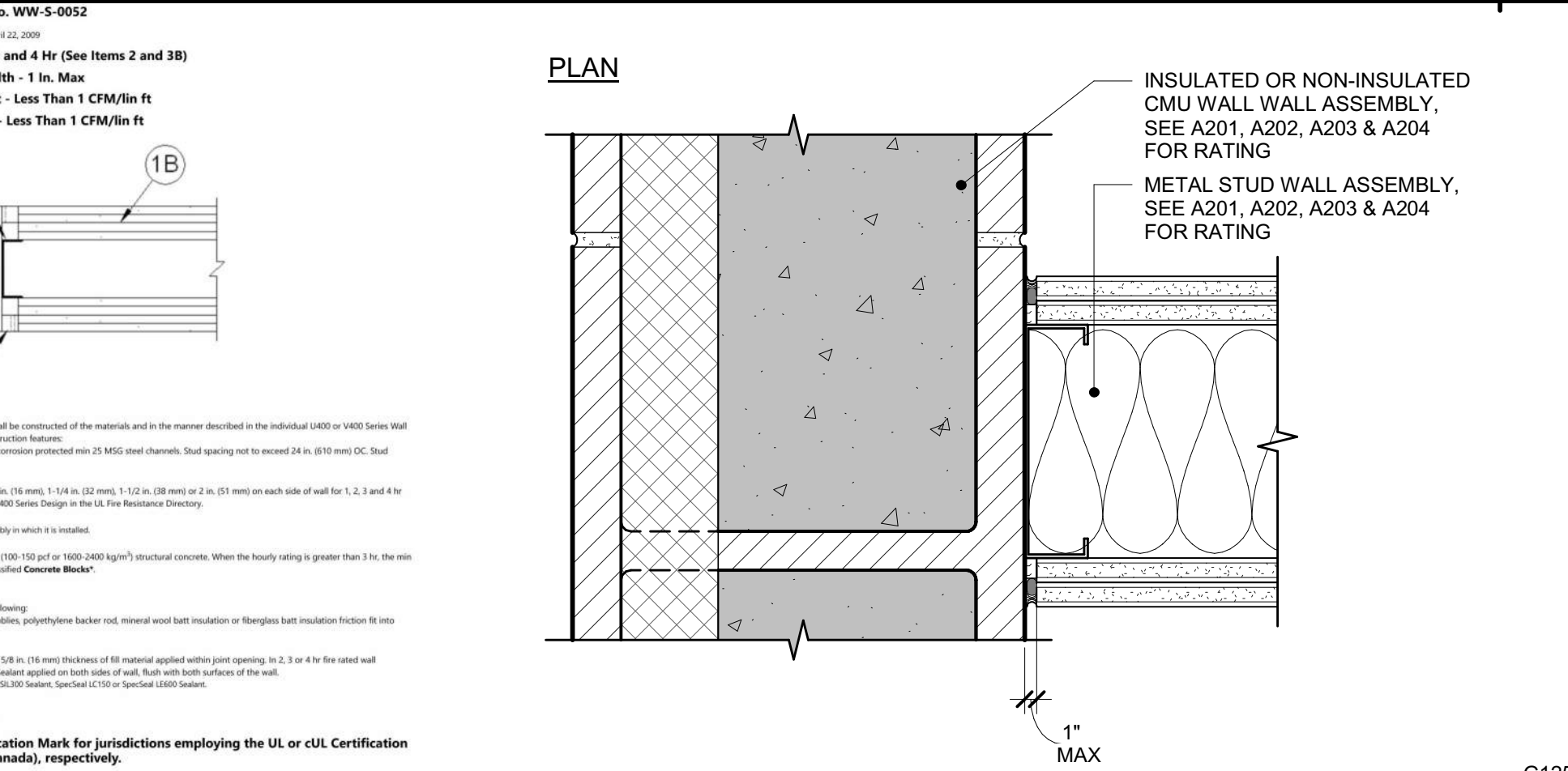
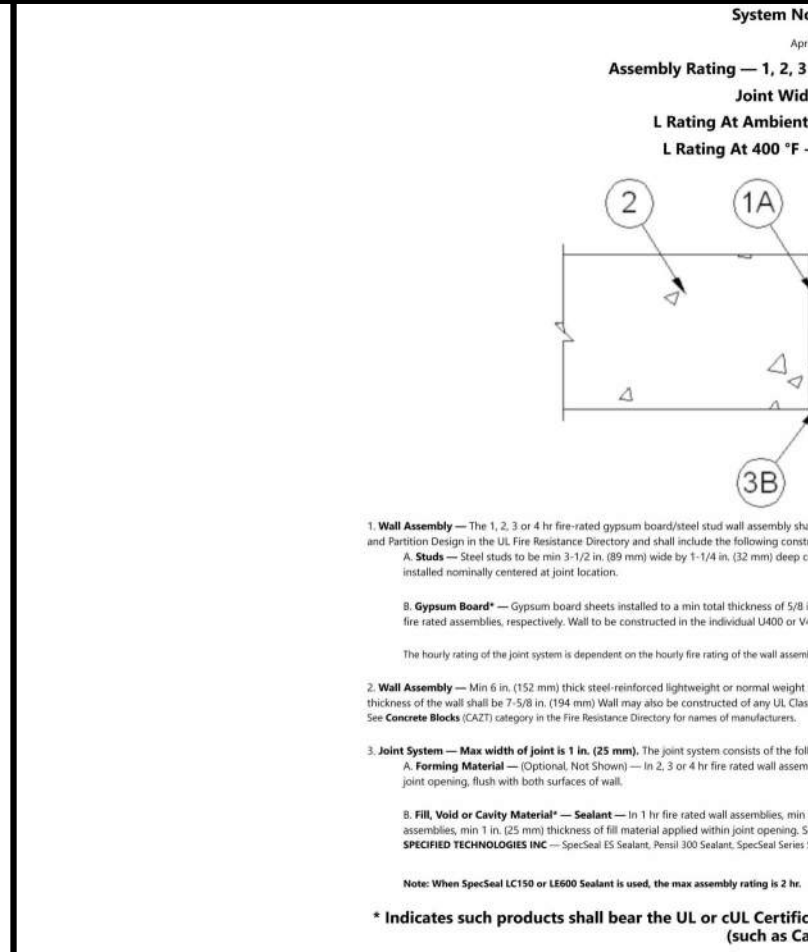


**GENERAL NOTES**  
 1. REFER TO STRUCTURAL DRAWINGS FOR:  
 A. ATTACHMENTS OF WALL TO FLOOR/ROOF ASSEMBLY  
 B. REINFORCING IN WALL ASSEMBLIES

G125  
**FIRE RATED JOINT - TOP OF WALL - CONCRETE/CMU WALL TO METAL DECK ROOF ASSEMBLY**  
 SCALE: 1 1/2" = 1'-0"



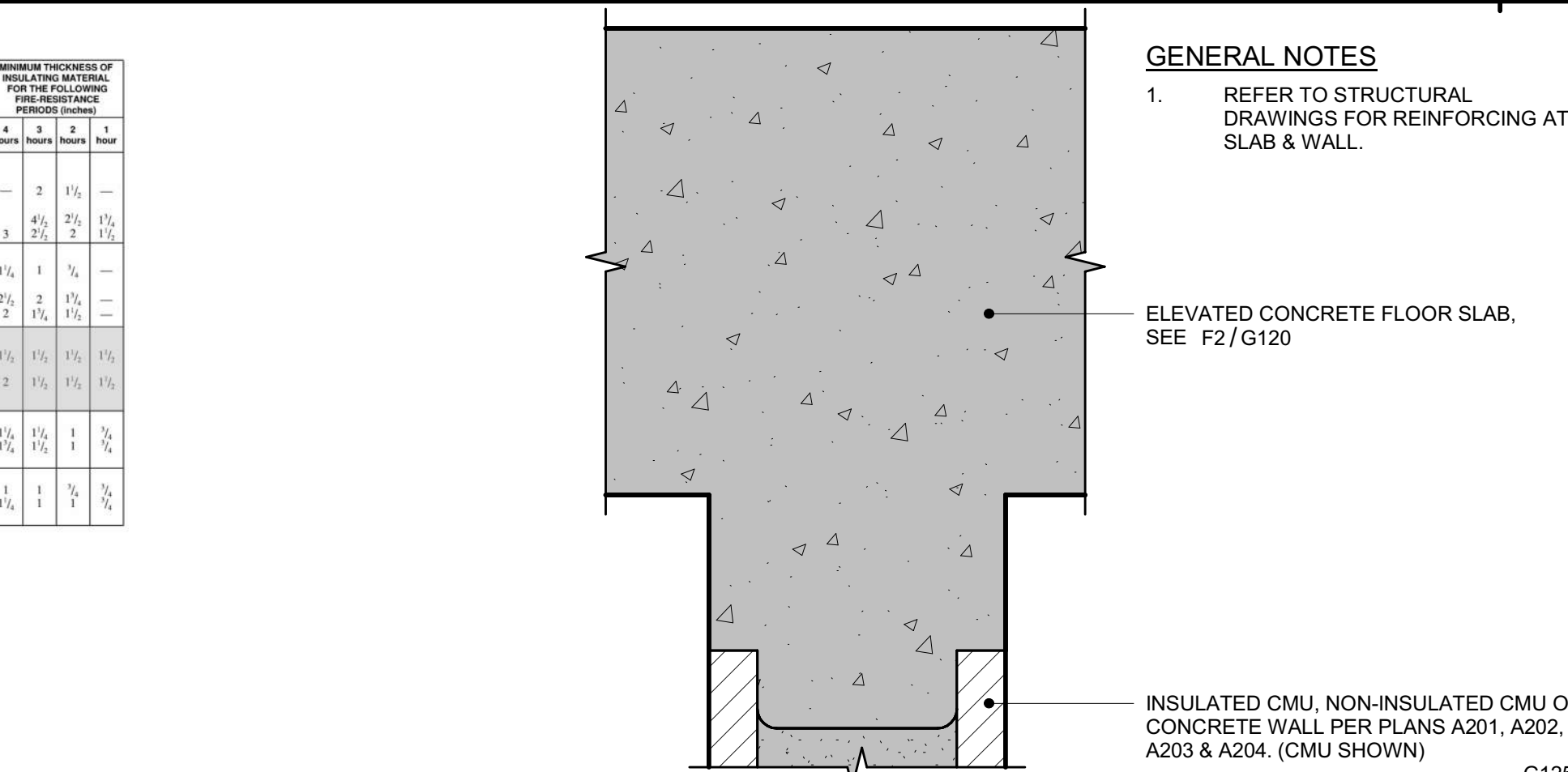
G125  
**FIRE RATED JOINT - WALL TO WALL - CONCRETE/CMU WALL TO CONCRETE/CMU WALL**  
 SCALE: 3" = 1'-0"



G125  
**FIRE RATED JOINT - WALL TO WALL - CONCRETE TO METAL STUD WALL**  
 SCALE: 3" = 1'-0"

TABLE 721.13.1-1  
 MINIMUM PROTECTION OF STRUCTURAL SAFETY BASED ON TIME PERIOD FOR VARIOUS NON-COMPOSITE FLOOR SYSTEMS

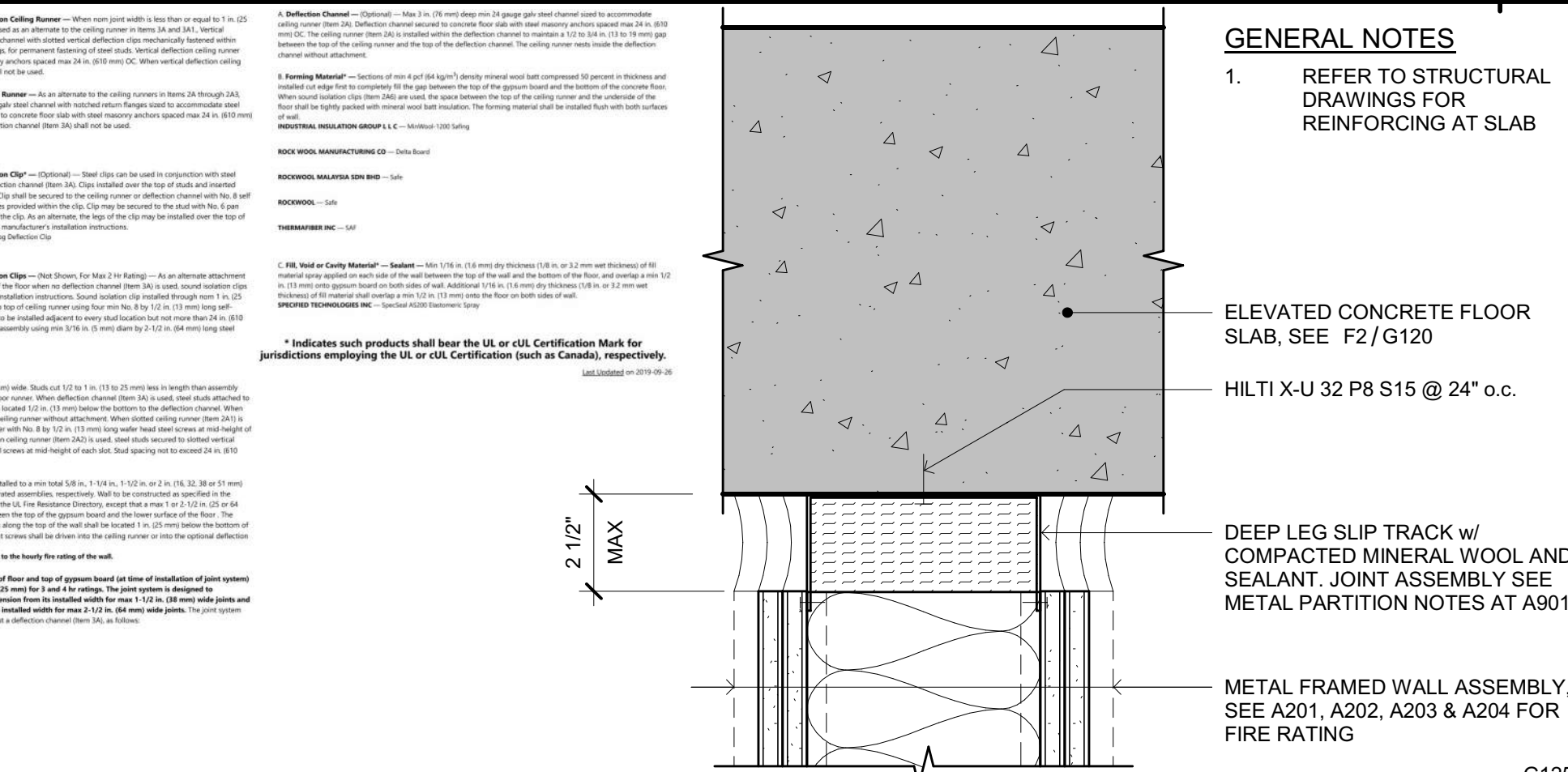
FLOOR SYSTEM	MINIMUM PROTECTION PERIOD (HOURS)	INSULATING MATERIAL USED			
		1	2	3	4
1. Slab-on-beam or slab-on-girder	1	1 1/2"	1 1/2"	1 1/2"	1 1/2"
2. Slab-on-beam or slab-on-girder	2	1 1/2"	1 1/2"	1 1/2"	1 1/2"
3. Slab-on-beam or slab-on-girder	3	1 1/2"	1 1/2"	1 1/2"	1 1/2"
4. Slab-on-beam or slab-on-girder	4	1 1/2"	1 1/2"	1 1/2"	1 1/2"



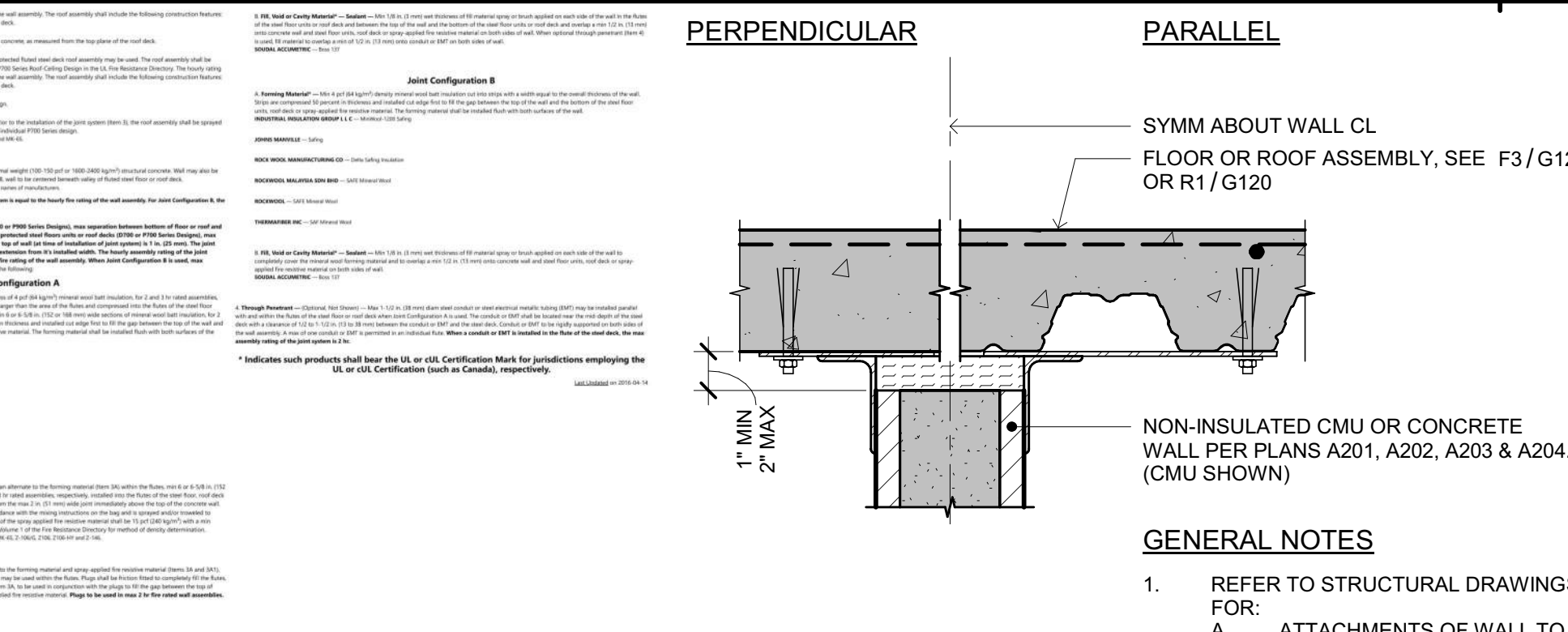
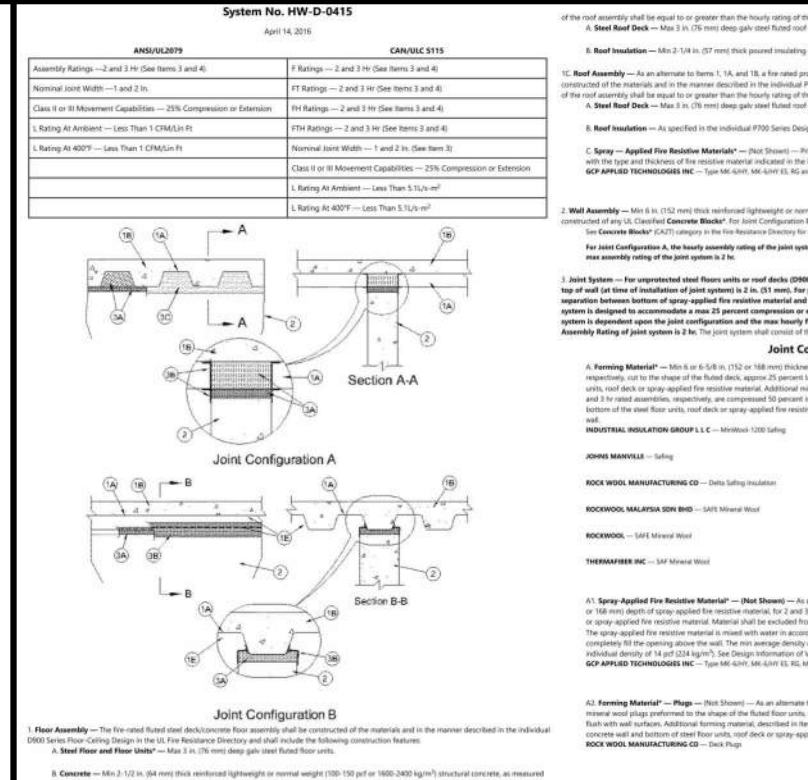
G125  
**FIRE RATED JOINT - TOP OF WALL - CONCRETE/CMU WALL TO ELEVATED CONC FLOOR SLAB**  
 SCALE: 3" = 1'-0"

System No. WW-S-002

ASSEMBLY	DESCRIPTION	MINIMUM RATING	MAXIMUM HEIGHT
1	2-HR METAL FRAMED WALL ASSEMBLY AT MECHANICAL DUCT CHASE, SEE W6/G121	2 HR	12'-0"
2	2-HR FLOOR ASSEMBLY, SEE F3/G120	2 HR	12'-0"
3	2-HR CMU WALL ASSEMBLY, SEE W9/G122	2 HR	12'-0"



G125  
**FIRE RATED JOINT - TOP OF WALL - METAL FRAMED WALL TO ELEVATED CONC FLOOR SLAB**  
 SCALE: 3" = 1'-0"



G125  
**FIRE RATED JOINT - TOP OF WALL - CONCRETE/CMU WALL TO COMPOSITE FLOOR OR ROOF DECK ASSEMBLY**  
 SCALE: 1 1/2" = 1'-0"

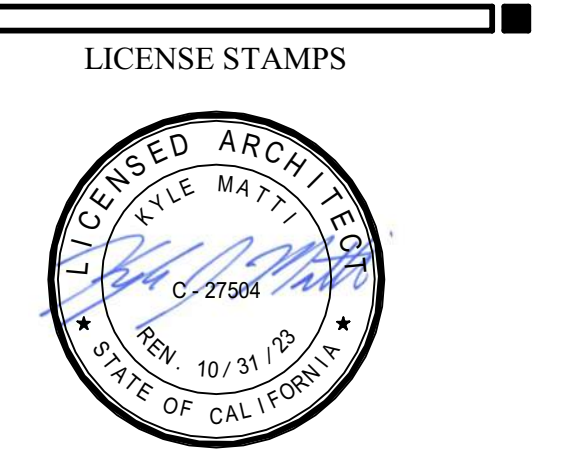
G125  
**FIRE RATED JOINT - TOP OF WALL - CONCRETE/CMU WALL TO COMPOSITE FLOOR OR ROOF DECK ASSEMBLY**  
 SCALE: 1 1/2" = 1'-0"



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CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**JOINT ASSEMBLIES**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By: AMP  
 Date Issued: 09.19.2022  
 Scale: As indicated  
 Project No.: 16-6421.00

SHEET No.  
**G125 V4**

GENERAL NOTES

- 1. IT IS INTENDED THAT THESE PLANS REQUIRE ALL LABOR AND MATERIAL NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S INTERPRETATION THEREOF SHALL BE CONCLUSIVE.
2. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
3. THE CONTRACTOR SHALL, AT THE SAME TIME OF BIDDING, AND THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF CALIFORNIA UNDER THE PROVISIONS OF CHAPTER 9, DIVISION 3 OF THE BUSINESS AND PROFESSIONS CODE AND SHALL BE BONDABLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE AMOUNT BID AND TO DO THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PLANS AND SPECIFICATIONS.
4. CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEMSELVES BY PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS THEY MAY PREFER, OF THE LOCATION OF THE PROPOSED WORK, AND OF THE ACTUAL CONDITIONS OF AND AT THE SITE OF WORK.
IF, DURING THE COURSE OF THEIR EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO THEM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING THEIR BID.
SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT, IF AWARDED THE CONTRACT, THEY HAVE RELIED AND ARE RELYING ON THEIR OWN EXAMINATION OF (1) THE SITE OF THE WORK, (2) ACCESS TO THE SITE, AND (3) ALL OTHER DATA AND MATTERS REQUISITE TO THE FULFILLMENT OF THE WORK AND ON THEIR OWN KNOWLEDGE OF EXISTING FACILITIES ON AND IN THE VICINITY OF THE SITE OF THE WORK TO BE CONSTRUCTED UNDER THIS CONTRACT.
THE INFORMATION PROVIDED BY THE OWNER OR THE ENGINEER IS NOT INTENDED TO BE A SUBSTITUTE FOR, OR A SUPPLEMENT TO THE INDEPENDENT VERIFICATION BY THE CONTRACTOR TO THE EXTENT SUCH INDEPENDENT INVESTIGATION OF SITE CONDITIONS IS DEEMED NECESSARY OR DESIRABLE BY THE CONTRACTOR. CONTRACTOR SHALL NOT RELY SOLELY UPON OWNER OR ENGINEER FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING THEIR BID.
5. ALL WORK SHALL CONFORM TO THE CALTRANS STANDARD SPECIFICATIONS, CURRENT EDITION AND THE CITY OF EUREKA ENGINEERING STANDARD DETAILS, CURRENT EDITION, THE CITY OF EUREKA ENGINEERING STANDARD DETAILS PREVAIL IN CASE OF CONFLICT FOR WORK WITHIN THE CITY. CALTRANS STANDARD DETAILS SHALL PREVAIL IN CASE OF CONFLICT FOR WORK WITHIN CALTRANS RIGHT-OF-WAY.
6. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR TEMPORARY TRAFFIC CONTROL AND PUBLIC SAFETY.
7. THE CONTRACTOR AGREES THAT:
A. THEY SHALL BE RESPONSIBLE TO CLEAN THE JOB SITE AT THE END OF EACH PHASE OF WORK.
B. THEY SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF ALL TRASH, SCRAP AND UNUSED MATERIAL AT THEIR OWN EXPENSE IN A TIMELY MANNER.
C. THEY SHALL BE RESPONSIBLE TO MAINTAIN THE SITE IN A NEAT, SAFE AND ORDERLY MANNER AT ALL TIMES.
D. THEY SHALL BE RESPONSIBLE TO KEEP MATERIALS, EQUIPMENT, AND TRASH OUT OF THE WAY OF OTHER CONTRACTORS SO AS NOT TO DELAY THE JOB. FAILURE TO DO SO WILL RESULT IN A DEDUCTION FOR THE COST OF CLEAN UP FROM THE FINAL PAYMENT.
E. THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL, PERMITS, RETESTING AND REINSPECTIONS AT THEIR OWN EXPENSE.
F. UNLESS OTHERWISE NOTED ALL EXCESS SOILS AND MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LAWFULLY DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
9. DUST CONTROL SHALL BE PROVIDED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS, CURRENT EDITION AND THE REQUIREMENTS OF THE CITY OF EUREKA. CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY OF EUREKA PUBLIC WORKS DEPARTMENT FOR USE OF WATER FROM FIRE HYDRANTS FOR CONSTRUCTION PURPOSES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL TESTING AND INSPECTION SHALL BE PAID FOR BY THE OWNER. ALL RE-TESTING AND/OR REINSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.
11. IF EXISTING FACILITIES INCLUDING SURVEY MONUMENTATION NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING THE EXISTING FACILITIES. COST OF REPLACING OR REPAIRING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE PRICE FOR ITEMS REQUIRING REMOVAL AND/OR REPLACEMENT OF EXISTING IMPROVEMENTS. THERE WILL BE NO EXTRA COST DUE TO THE CONTRACTOR FOR REPLACING OR REPAIRING EXISTING IMPROVEMENTS.
12. WHENEVER EXISTING FACILITIES ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. AFTER PROPER BACKFILLING AND/OR CONSTRUCTION, WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY.
13. THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE AS-BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL SITE CIVIL IMPROVEMENTS INCLUDING BUT NOT LIMITED TO: STORMDRAIN AND DOMESTIC WATER PIPING AND STRUCTURES; SIDEWALK AND HARDSCAPE STRUCTURES; HMA PAVING. AS-BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED, WHERE NECESSARY. SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR.
PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. AS-BUILT RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
14. PRIOR TO COMMENCEMENT OF GRADING OPERATIONS, THE CONTRACTOR SHALL IDENTIFY THE SITE WHERE THE EXCESS EARTHEN MATERIAL SHALL BE DEPOSITED. IF THE DEPOSIT SITE IS WITHIN THE CITY OF EUREKA, THE CONTRACTOR SHALL VERIFY THAT THE EXPORTED MATERIALS ARE SUITABLE FOR THE INTENDED FILL, AND SHALL SHOW PROOF OF ALL APPROVED GRADING PLANS, HAUL ROUTES TO BE USED SHALL BE SPECIFIED.

GRADING & EROSION CONTROL PLAN NOTES

THE FOLLOWING ARE EXCERPTS FROM THE EUREKA, CALIFORNIA CODE OF ORDINANCES:

TITLE V, CHAPTER 54, § 54.043 REQUIREMENTS FOR REDUCING POLLUTANTS IN STORM WATER

(A) ANY ANY PERSON ENGAGING IN ACTIVITIES THAT MAY RESULT IN POLLUTANTS ENTERING THE CITY'S STORM DRAIN FACILITIES OR WATERS OF THE STATE AND/OR U.S. SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO THE EXTENT THEY ARE TECHNOLOGICALLY ACHIEVABLE TO PREVENT AND REDUCE SUCH POLLUTANTS. EXAMPLES OF SUCH ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, OWNERSHIP OF AND USE OF PREMISES THAT MAY BE A SOURCE OF POLLUTANTS, SUCH AS PARKING LOTS, GASOLINE STATIONS, INDUSTRIAL FACILITIES AND BUSINESS ENTERPRISES. THE OWNER OR OPERATOR OF COMMERCIAL OR INDUSTRIAL FACILITIES SHALL PROVIDE REASONABLE PROTECTION FROM ACCIDENTAL DISCHARGE OF PROHIBITED MATERIALS OR OTHER WASTES INTO THE MUNICIPAL STORM DRAIN FACILITIES OR WATERCOURSES. FACILITIES TO PREVENT ACCIDENTAL DISCHARGE OF PROHIBITED MATERIALS OR OTHER WASTES SHALL BE PROVIDED AND MAINTAINED AT THE OWNER OR OPERATOR'S EXPENSE.

(B) ANY CONSTRUCTION CONTRACTOR PERFORMING WORK IN THE CITY SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO PREVENT THE DISCHARGE OF CONSTRUCTION WASTE, DEBRIS OR CONTAMINANTS FROM CONSTRUCTION MATERIALS, TOOLS AND EQUIPMENT FROM ENTERING THE STORM WATER SYSTEM. BEST MANAGEMENT PRACTICES SHALL INCLUDE, BUT NOT BE LIMITED TO THE USE OF FILTER MATERIALS AT DRAIN INLETS TO RETAIN DEBRIS, DIRT OR OTHER POLLUTANTS GENERATED BY SUCH WORK.

(C) ANY PERSON SUBJECT TO AN INDUSTRIAL OR CONSTRUCTION ACTIVITY NPDES STORM WATER DISCHARGE PERMIT SHALL COMPLY WITH ALL PROVISIONS OF SUCH PERMIT. PROOF OF COMPLIANCE WITH SAID PERMIT MAY BE REQUIRED IN A FORM ACCEPTABLE TO THE PUBLIC WORKS DIRECTOR PRIOR TO OR AS A CONDITION OF A SUBDIVISION MAP, SITE PLAN, BUILDING PERMIT, OR DEVELOPMENT OR IMPROVEMENT PLAN, UPON INSPECTION OF THE FACILITY, DURING ANY ENFORCEMENT PROCEEDING OR ACTION, OR FOR ANY OTHER REASONABLE CAUSE.

THE SOIL/COMPOSTE AND GRAVEL LAYERS FOR AMENDED STRIPS AND BIORETENTION FACILITIES SHALL COMPLY WITH APPENDIX 3, BIORETENTION SPECIFICATIONS AND CHECKLIST, OF THE HUMBOLDT LOW IMPACT DEVELOPMENT STORMWATER MANUAL.

UNDERGROUND UTILITIES

- 1. THE INFORMATION SHOWN ON THE PLANS WITH REGARD TO THE EXISTING UTILITIES AND/OR IMPROVEMENTS WAS DERIVED FROM FIELD INVESTIGATIONS AND/OR RECORD INFORMATION. THE ENGINEER DOES NOT GUARANTEE THESE LOCATIONS TO BE EITHER TRUE OR EXACT. PRIOR TO CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY ALL EXISTING IMPROVEMENTS AND TO EXPOSE ALL EXISTING UNDERGROUND UTILITIES RELATED TO THE PROJECT, INCLUDING BUT NOT LIMITED TO, SEWER, STORM DRAIN, WATER, IRRIGATION, GAS, ELECTRICAL, ETC. AND SHALL NOTIFY THE ENGINEER IN WRITING FORTY-EIGHT (48) HOURS IN ADVANCE OF EXPOSING THE UTILITIES, SO THAT THE EXACT LOCATION AND ELEVATION CAN BE VERIFIED AND DOCUMENTED. THE COST ASSOCIATED TO PERFORM THIS WORK SHALL BE INCLUDED IN EITHER THE CLEARING COST OR IN THE VARIOUS ITEMS OF WORK. IF LOCATION AND/OR ELEVATION DIFFERS FROM THAT SHOWN ON THE DESIGN PLANS, PROVISION TO ACCOMMODATE NEW LOCATION/ELEVATION MUST BE MADE PRIOR TO CONSTRUCTION.
2. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) TWO WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER 811. THE CONTRACTOR SHALL RECORD THE U.S.A. ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER AND ENGINEER PRIOR TO ANY EXCAVATION. IT WILL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DIRECTLY CONTACT ANY OTHER UTILITY COMPANIES THAT ARE NOT MEMBERS OF UNDERGROUND SERVICE ALERT. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE PROJECT.
3. THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKMEN FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 5 FEET OR MORE. EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATIONS PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY. FOR TRENCHES 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH THE CALTRANS STANDARDS, CURRENT EDITION, SECTION 6705 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.
4. ATTENTION IS CALLED TO TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1548 (A)(1) OF THE CONSTRUCTION SAFETY ORDERS ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONS SAFETY AND HEALTH ACT OF 1973 AS AMENDED WHICH STATES: (1) PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E. SEWER, WATER, FUEL, ELECTRIC LINES, ETC. WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING, AND, WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL PIPE OF ADEQUATE CLASSIFICATION WITH SUFFICIENT BEDDING TO MEET ALL REQUIREMENTS AND RECOMMENDATIONS OF CITY OF EUREKA AND CALTRANS REQUIREMENTS, WHERE NECESSARY.
6. ALL UNDERGROUND UTILITIES SHALL BE IN PLACE PRIOR TO INSTALLATION OF CURB, GUTTER, SIDEWALK AND STREET PAVING.
7. TRENCHING AND BACKFILL FOR ALL UNDERGROUND CONSTRUCTION SHALL CONFORM TO CITY OF EUREKA CONSTRUCTION STANDARDS.
8. ALL FIRE HYDRANTS, ELECTROLIERS, AND METER BOXES SHALL CLEAR ALL DRIVEWAYS, EMERGENCY VEHICLES, ACCESS EASEMENTS, AND OTHER FACILITIES AS REQUIRED BY THE GOVERNING AGENCY.
9. ALL SANITARY SEWER AND WATER MAINS SHALL HAVE A 10-FOOT MINIMUM SEPARATION UNLESS SPECIAL PROVISIONS ARE MADE AND APPROVED IN ADVANCE BY CITY OF EUREKA PUBLIC WORKS DEPARTMENT.
A WATER MAIN SHALL BE 1 FOOT ABOVE SEWER OR STORM DRAIN AND SHALL HAVE NO JOINTS WITHIN 10 FEET ON CENTER HORIZONTALLY OF THE PIPELINE CROSSING.
10. TAMPER SWITCHES SHALL BE PLACED ON ALL VALVES CONTROLLING THE WATER SUPPLY TO THE AUTOMATIC FIRE SPRINKLER SYSTEM, INCLUDING BUT NOT LIMITED TO, THE OUTSIDE SCREY & YOKE (OS&Y) ON THE DOUBLE DETECTOR CHECK VALVE OR REDUCED PRESSURE PRINCIPAL (RPP) DEVICE, VALVES ON THE SPRINKLER RISER, OR ANY OTHER VALVE CONTROLLING THE WATER SUPPLY. CFC 903.4.
11. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF EUREKA PUBLIC WORKS DEPARTMENT AND CALTRANS PRIOR TO ANY CONSTRUCTION WORK INVOLVING MAIN-LINE PUBLIC UTILITY FACILITIES, OR WITHIN THE PUBLIC RIGHT OF WAY. FAILURE TO OBTAIN AN ENCROACHMENT PERMIT MAY DELAY ISSUANCE OF CERTIFICATE OF OCCUPANCY FOR ANY BUILDINGS ON THE SITE.
12. ALL ABANDONED UTILITIES SHALL BE AS DIRECTED BY THE CITY OF EUREKA.

SURFACE IMPROVEMENTS

- 1. ALL EXISTING AND PROPOSED MANHOLE RIMS, DRAIN BOXES, LAMPHOLES, VALVES, VAULTS, PULLBOXES, AND MONUMENT BOXES, ETC. SHALL BE ADJUSTED TO FINISH GRADE AFTER PAVING OPERATIONS, WHETHER IN PAVED OR UNPAVED AREAS. ITEMS IN PROPOSED PAVEMENT AREAS SHALL BE REPLACED AS NECESSARY WITH TRAFFIC RATED MATERIALS, UNLESS OTHERWISE NOTED.



Approval of these plans shall not authorize or approve any excavation or construction from any applicable regulations. All approvals are subject to field inspection. One set of approved plans shall be available on the project site at all times.

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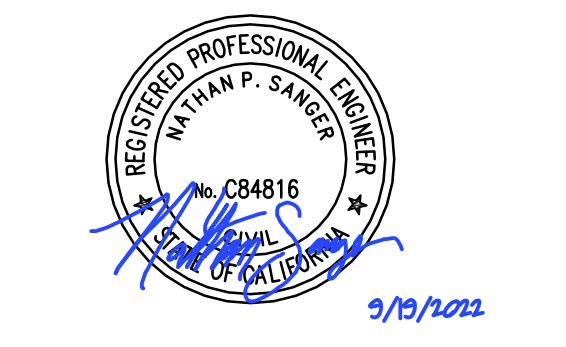


CONSULTANTS



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LICENSE STAMPS



PROJECT NAME
HUMBOLDT COUNTY
COMMUNITY
CORRECTIONS
RE-ENTRY
RESOURCE CENTER
929 5th STREET
EUREKA, CA 95501

SHEET TITLE

GENERAL NOTES

DRAWING STATUS

WORKING DRAWINGS

REVISIONS

Table with 3 columns: Delta, Description, Date. Multiple empty rows for revisions.

Table with 2 columns: Field, Value. Fields include Drawn By (N.SANGER), Date Issued (9.19.2022), Scale, Project No. (16-6421.00).

SHEET No.
C100 V4

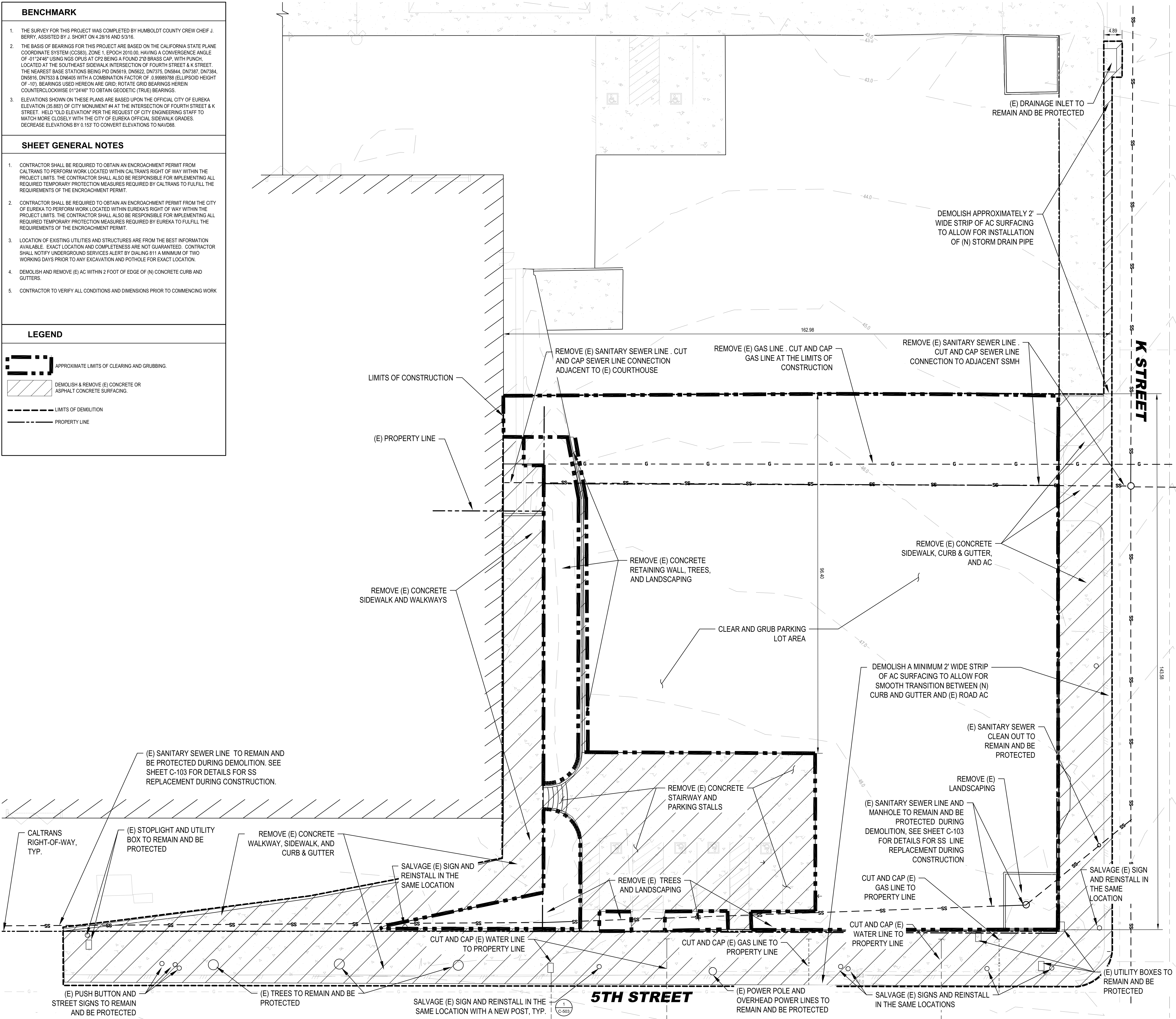
BENCHMARK	
1.	THE SURVEY FOR THIS PROJECT WAS COMPLETED BY HUMBOLDT COUNTY CREW CHIEF J. BERRY, ASSISTED BY J. SHORT ON 4/28/16 AND 5/3/16.
2.	THE BASIS OF BEARINGS FOR THIS PROJECT ARE BASED ON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM (CCS83), ZONE 1, EPOCH 2010.01, HAVING A CONVERGENCE ANGLE OF -01°24'46" USING NGS OPUS AT CP2 BEING A FOUND 2"Ø BRASS CAP, WITH PUNCH, LOCATED AT THE SOUTHEAST SIDEWALK INTERSECTION OF FOURTH STREET & K STREET. THE NEAREST BASE STATIONS BEING PID DMS19, DMS22, DNT375, DMS44, DNT397, DNT384, DMS16, DNT333 & DMS405 WITH A COMBINATION FACTOR OF 0.95989788 (ELLIPSOID HEIGHT OF -10'). BEARINGS USED HEREON ARE GRID; ROTATE GRID BEARINGS HEREIN COUNTERCLOCKWISE 01°24'46" TO OBTAIN GEODETIC (TRUE) BEARINGS.
3.	ELEVATIONS SHOWN ON THESE PLANS ARE BASED UPON THE OFFICIAL CITY OF EUREKA ELEVATION (85.883') OF CITY MONUMENT #4 AT THE INTERSECTION OF FOURTH STREET & K STREET. HELD "OLD ELEVATION" PER THE REQUEST OF CITY ENGINEERING STAFF TO MATCH MORE CLOSELY WITH THE CITY OF EUREKA OFFICIAL SIDEWALK GRADES. DECREASE ELEVATIONS BY 0.153' TO CONVERT ELEVATIONS TO NAVD88.

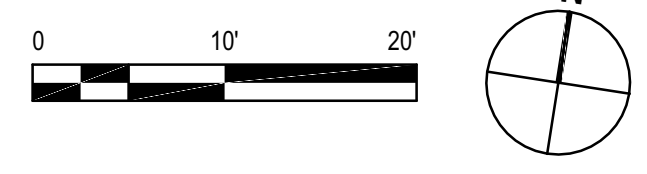
SHEET GENERAL NOTES	
1.	CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN ENCROACHMENT PERMIT FROM CALTRANS TO PERFORM WORK LOCATED WITHIN CALTRANS RIGHT OF WAY WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING ALL REQUIRED TEMPORARY PROTECTION MEASURES REQUIRED BY CALTRANS TO FULFILL THE REQUIREMENTS OF THE ENCROACHMENT PERMIT.
2.	CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF EUREKA TO PERFORM WORK LOCATED WITHIN EUREKA'S RIGHT OF WAY WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING ALL REQUIRED TEMPORARY PROTECTION MEASURES REQUIRED BY EUREKA TO FULFILL THE REQUIREMENTS OF THE ENCROACHMENT PERMIT.
3.	LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT BY DIALING 811 A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.
4.	DEMOLISH AND REMOVE (E) AC WITHIN 2 FOOT OF EDGE OF (N) CONCRETE CURB AND GUTTERS.
5.	CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK.

LEGEND	
	APPROXIMATE LIMITS OF CLEARING AND GRUBBING.
	DEMOLISH & REMOVE (E) CONCRETE OR ASPHALT CONCRETE SURFACING.
	LIMITS OF DEMOLITION
	PROPERTY LINE



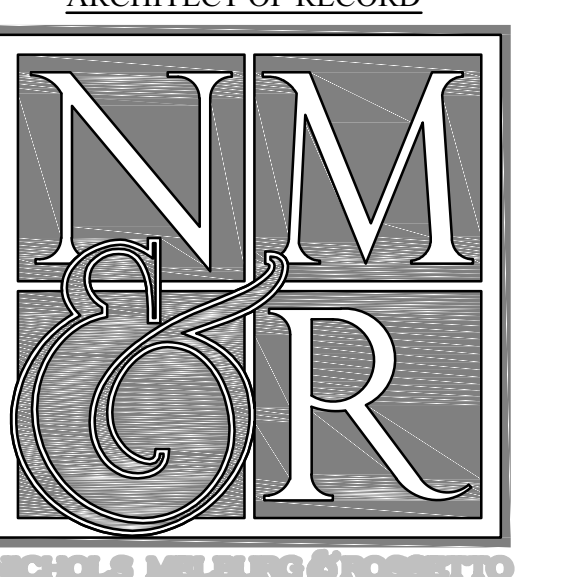
**EXISTING SITE AND DEMOLITION PLAN**  
SCALE: AS SHOWN



Login Name: nsanger  
 Print Date: September 16, 2022 - 4:26 pm  
 Project: HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER  
 User: NSANGER



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LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**EXISTING SITE AND DEMOLITION PLAN**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By: C.PROVIN,SANGER  
 Date Issued: 9.19.2022  
 Scale: 1" = 10'-0"  
 Project No.: 16-6421.00

SHEET No.  
**C101 V4**

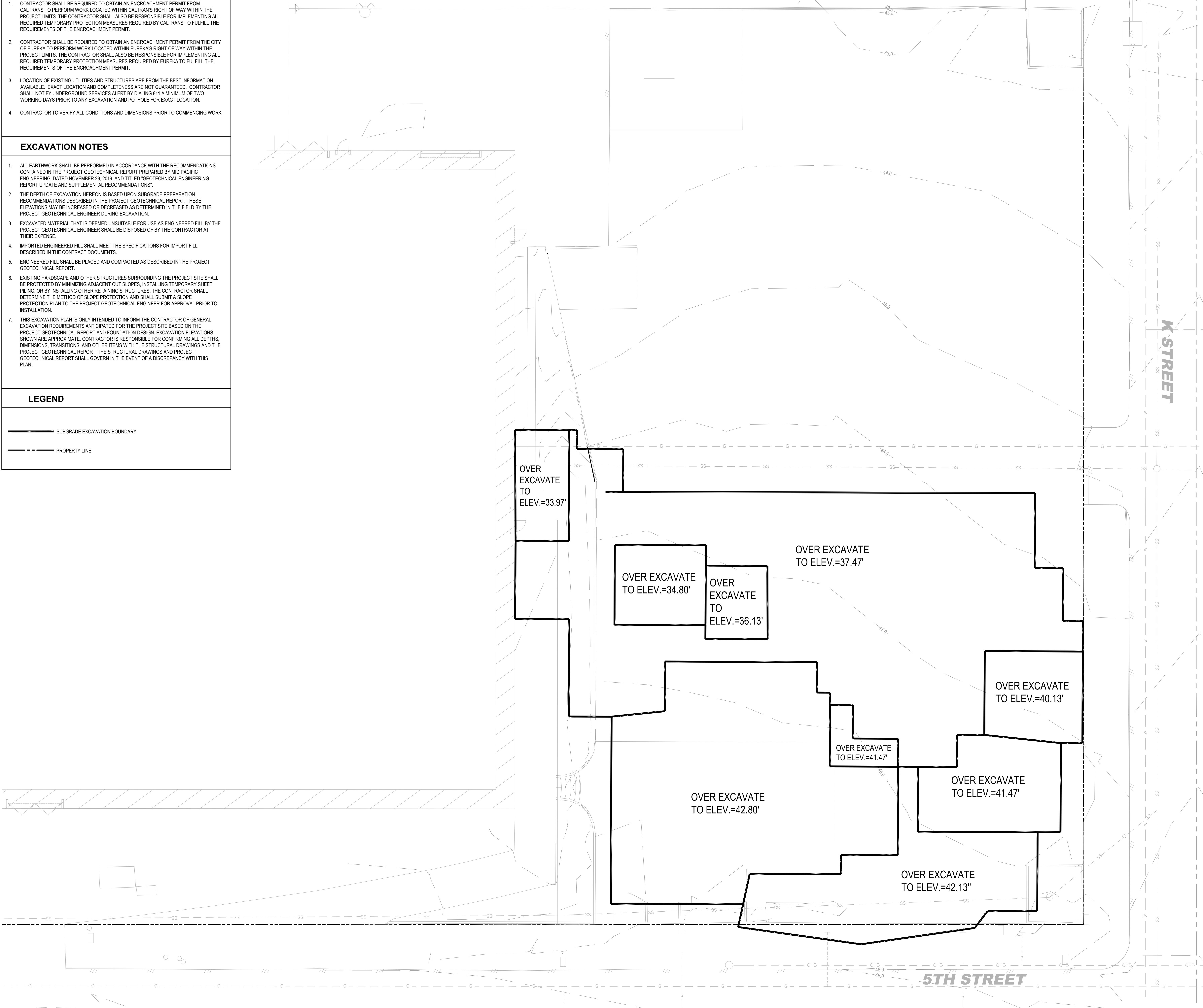
SHEET GENERAL NOTES	
1.	CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN ENCROACHMENT PERMIT FROM CALTRANS TO PERFORM WORK LOCATED WITHIN CALTRANS RIGHT OF WAY WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING ALL REQUIRED TEMPORARY PROTECTION MEASURES REQUIRED BY CALTRANS TO FULFILL THE REQUIREMENTS OF THE ENCROACHMENT PERMIT.
2.	CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF EUREKA TO PERFORM WORK LOCATED WITHIN EUREKA'S RIGHT OF WAY WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING ALL REQUIRED TEMPORARY PROTECTION MEASURES REQUIRED BY EUREKA TO FULFILL THE REQUIREMENTS OF THE ENCROACHMENT PERMIT.
3.	LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT BY DIALING 811 A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.
4.	CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK.

EXCAVATION NOTES	
1.	ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE PROJECT GEOTECHNICAL REPORT PREPARED BY MID PACIFIC ENGINEERING, DATED NOVEMBER 29, 2019, AND TITLED "GEOTECHNICAL ENGINEERING REPORT UPDATE AND SUPPLEMENTAL RECOMMENDATIONS".
2.	THE DEPTH OF EXCAVATION HEREON IS BASED UPON SUBGRADE PREPARATION RECOMMENDATIONS DESCRIBED IN THE PROJECT GEOTECHNICAL REPORT. THESE ELEVATIONS MAY BE INCREASED OR DECREASED AS DETERMINED IN THE FIELD BY THE PROJECT GEOTECHNICAL ENGINEER DURING EXCAVATION.
3.	EXCAVATED MATERIAL THAT IS DEEMED UNSUITABLE FOR USE AS ENGINEERED FILL BY THE PROJECT GEOTECHNICAL ENGINEER SHALL BE DISPOSED OF BY THE CONTRACTOR AT THEIR EXPENSE.
4.	IMPORTED ENGINEERED FILL SHALL MEET THE SPECIFICATIONS FOR IMPORT FILL DESCRIBED IN THE CONTRACT DOCUMENTS.
5.	ENGINEERED FILL SHALL BE PLACED AND COMPACTED AS DESCRIBED IN THE PROJECT GEOTECHNICAL REPORT.
6.	EXISTING HARDSCAPE AND OTHER STRUCTURES SURROUNDING THE PROJECT SITE SHALL BE PROTECTED BY MINIMIZING ADJACENT CUT SLOPES, INSTALLING TEMPORARY SHEET PILING, OR BY INSTALLING OTHER RETAINING STRUCTURES. THE CONTRACTOR SHALL DETERMINE THE METHOD OF SLOPE PROTECTION AND SHALL SUBMIT A SLOPE PROTECTION PLAN TO THE PROJECT GEOTECHNICAL ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
7.	THIS EXCAVATION PLAN IS ONLY INTENDED TO INFORM THE CONTRACTOR OF GENERAL EXCAVATION REQUIREMENTS ANTICIPATED FOR THE PROJECT SITE BASED ON THE PROJECT GEOTECHNICAL REPORT AND FOUNDATION DESIGN. EXCAVATION ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL DEPTHS, DIMENSIONS, TRANSITIONS, AND OTHER ITEMS WITH THE STRUCTURAL DRAWINGS AND THE PROJECT GEOTECHNICAL REPORT. THE STRUCTURAL DRAWINGS AND PROJECT GEOTECHNICAL REPORT SHALL GOVERN IN THE EVENT OF A DISCREPANCY WITH THIS PLAN.

LEGEND	
	SUBGRADE EXCAVATION BOUNDARY
	PROPERTY LINE



**EXCAVATION PLAN**  
SCALE: AS SHOWN



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**ARCHITECT OF RECORD**

**NM & R**

NICHOLS MELBURG & ROSETTO  
ARCHITECTS + ENGINEERS

CONSULTING ARCHITECT

**LIONAKIS**

CONSULTANTS



LICENSE STAMPS

PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**EXCAVATION PLAN**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

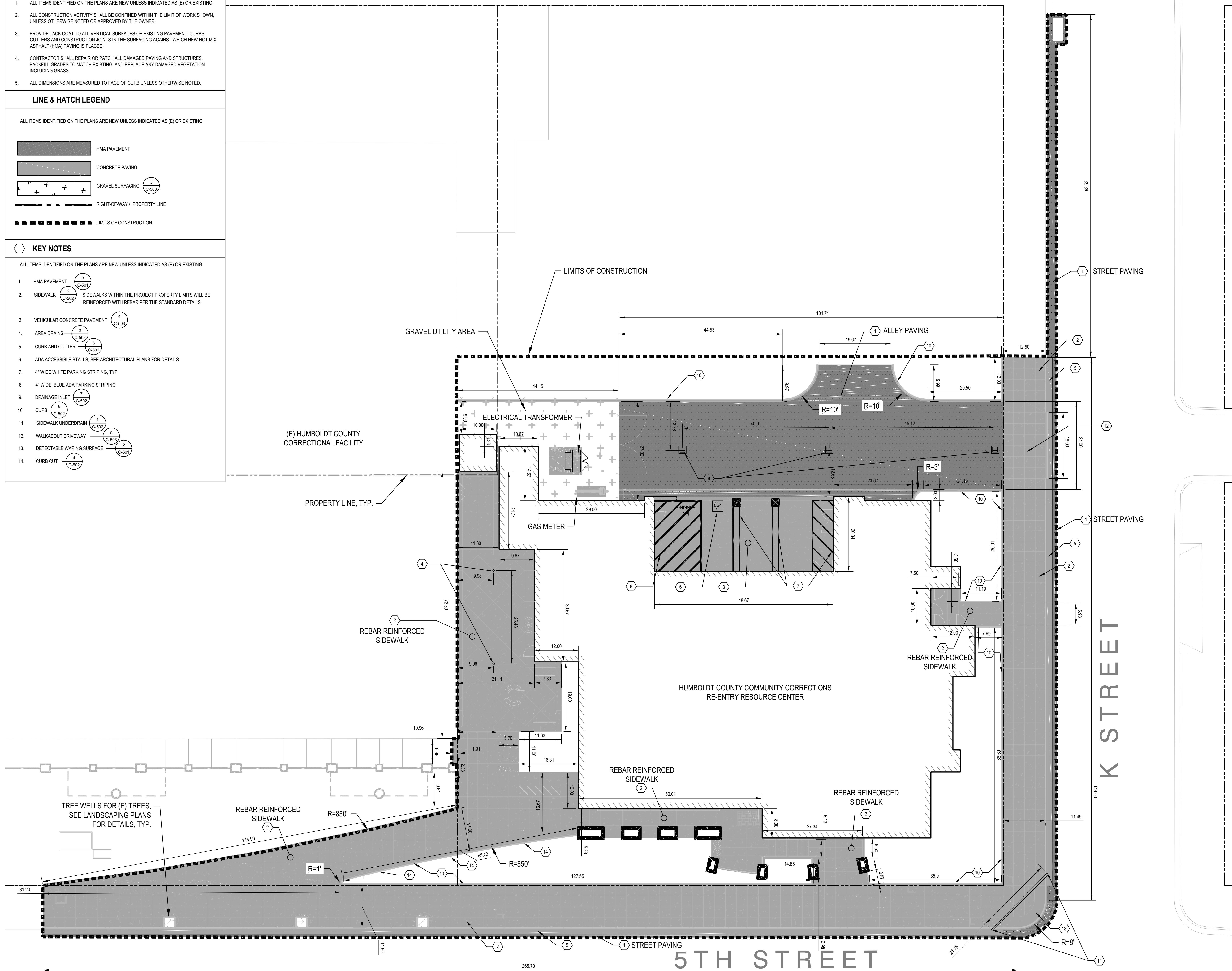
Delta	Description	Date

Drawn By	N. SANGER
Date Issued	9.19.2022
Scale	1" = 10'-0"
Project No.	16-6421.00

SHEET No.  
**C101B V1**

Logon Name: nsanger  
Print Date: September 16, 2022 - 4:27 pm  
Project: HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER  
Drawing: EXCAVATION PLAN - HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER

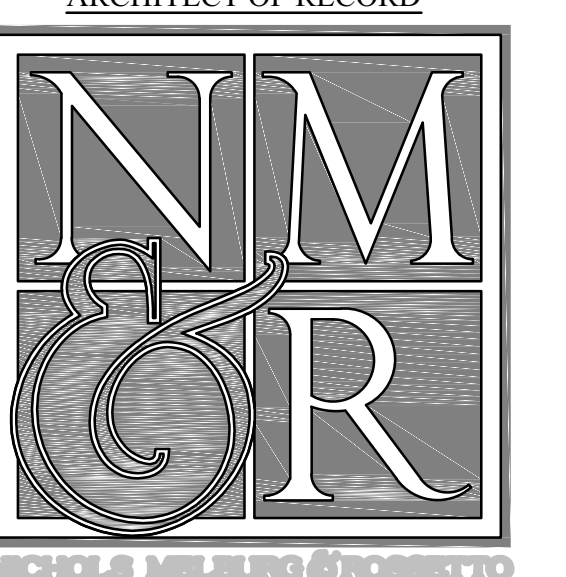
SHEET GENERAL NOTES	
1.	ALL ITEMS IDENTIFIED ON THE PLANS ARE NEW UNLESS INDICATED AS (E) OR EXISTING.
2.	ALL CONSTRUCTION ACTIVITY SHALL BE CONFINED WITHIN THE LIMIT OF WORK SHOWN, UNLESS OTHERWISE NOTED OR APPROVED BY THE OWNER.
3.	PROVIDE TACK COAT TO ALL VERTICAL SURFACES OF EXISTING PAVEMENT, CURBS, GUTTERS AND CONSTRUCTION JOINTS IN THE SURFACING AGAINST WHICH NEW HOT MIX ASPHALT (HMA) PAVING IS PLACED.
4.	CONTRACTOR SHALL REPAIR OR PATCH ALL DAMAGED PAVING AND STRUCTURES, BACKFILL GRADES TO MATCH EXISTING, AND REPLACE ANY DAMAGED VEGETATION INCLUDING GRASS.
5.	ALL DIMENSIONS ARE MEASURED TO FACE OF CURB UNLESS OTHERWISE NOTED.
LINE & HATCH LEGEND	
ALL ITEMS IDENTIFIED ON THE PLANS ARE NEW UNLESS INDICATED AS (E) OR EXISTING.	
	HMA PAVEMENT
	CONCRETE PAVING
	GRAVEL SURFACING
	RIGHT-OF-WAY / PROPERTY LINE
	LIMITS OF CONSTRUCTION
KEY NOTES	
ALL ITEMS IDENTIFIED ON THE PLANS ARE NEW UNLESS INDICATED AS (E) OR EXISTING.	
1.	HMA PAVEMENT (3) (C-501)
2.	SIDEWALK (2) (C-502) SIDEWALKS WITHIN THE PROJECT PROPERTY LIMITS WILL BE REINFORCED WITH REBAR PER THE STANDARD DETAILS
3.	VEHICULAR CONCRETE PAVEMENT (4) (C-505)
4.	AREA DRAINS (3) (C-502)
5.	CURB AND GUTTER (5) (C-502)
6.	ADA ACCESSIBLE STALLS. SEE ARCHITECTURAL PLANS FOR DETAILS
7.	4" WIDE WHITE PARKING STRIPING, TYP
8.	4" WIDE, BLUE ADA PARKING STRIPING
9.	DRAINAGE INLET (7) (C-502)
10.	CURB (6) (C-502)
11.	SIDEWALK UNDERDRAIN (1) (C-502)
12.	WALKABOUT DRIVEWAY (2) (C-503)
13.	DETECTABLE WARNING SURFACE (2) (C-501)
14.	CURB CUT (4) (C-501)



Login Name: nsanger  
 Print Date: September 16, 2022 4:27 PM  
 Project: HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER  
 User: NSANGER\NSANGER\HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER



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LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE

**SITE IMPROVEMENT PLAN**

DRAWING STATUS

**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	C.PROVON,SANGER
Date Issued	9.19.2022
Scale	1" = 10'-0"
Project No.	16-6421.00

SHEET No.  
**C102 V4**

**SHEET GENERAL NOTES**

- ALL ITEMS IDENTIFIED ON THE PLANS ARE NEW UNLESS INDICATED AS (E) OR EXISTING.
- LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE AT TIME OF DESIGN. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION OF UTILITIES.
- CONTRACTOR TO POTHOLE PRIOR TO PURCHASING MATERIALS TO DETERMINE THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES. NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED IMPROVEMENTS.
- COORDINATE WATER AND SEWER CONNECTIONS WITH PLUMBER, AND CITY OF EUREKA.
- JOINT UTILITY, ELECTRICAL, GAS, AND COMMUNICATIONS TRENCHES COMPLETED FOR THIS PROJECT MUST BE COMPLETED PER PG&E GREENBOOK STANDARDS. TRENCHES COMPLETED FOR THIS PROJECT WITHIN CITY OF EUREKA STREETS MUST BE COMPLETED IN CONFORMANCE WITH DETAIL 1/C-501. ALL OTHER TRENCHES SHALL BE COMPLETED PER DETAIL 1/C-505.
- GAS AND ELECTRICAL DESIGN SHALL BE PER THE UTILITY PROVIDER.
- PG&E GREENBOOK GAS METER CLEARANCE REQUIREMENTS ARE INCLUDED BELOW FOR REFERENCE. SEE MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR ADDITIONAL DETAILS. IN CASE OF CONFLICT MEP PLANS AND/OR PG&E GREENBOOK PLANS SHALL PREVAIL.
  - GAS METER SHALL HAVE A CLEAR AND LEVEL WORK SPACE OF 3' IN FRONT, 54" WIDE, AND 78" IN HEIGHT.
  - GAS METER REGULATOR VENT MUST NOT TERMINATE NEAR ANY SOURCES OF IGNITION OR OPENINGS INTO THE BUILDING. THE RISER MUST BE A MIN. DISTANCE OF 36" FROM PAD MOUNTED TRANSFORMERS, ALL ELECTRIC EQUIPMENT AND WIRING, AND ALL OTHER SOURCES OF IGNITION AND OPENINGS INTO THE BUILDING. THIS CLEARANCE AREA EXTENDS 10' ABOVE AND 36" BELOW THE REGULATOR VENT TERMINATION.
  - THE GAS METER RISER MUST BE A MIN. LATERAL DISTANCE OF 8' FROM A FORCED AIR INTAKE INTO THE BUILDING.
  - GAS METER SHALL BE A MIN. 12" FROM AN OUTSIDE BUILDING CORNER.
  - GAS RISER SHALL BE A MIN. 30" FROM A BUILDING CORNER.
  - GAS METER AND RISER SHALL BE A MIN. 36" FROM CENTER OF METER/RISER TO EDGE OF ELECTRICAL PANEL.

**LINE & HATCH LEGEND**

ALL ITEMS IDENTIFIED ON THE PLANS ARE NEW UNLESS INDICATED AS (E) OR EXISTING.

- HMA PAVING
- CONCRETE PAVING
- BIORETENTION FACILITY (C-507)
- (E) RIGHT-OF-WAY / PROPERTY LINE
- LIMITS OF CONSTRUCTION

ELECTRICAL TRANSFORMER PAD TO BE INSTALLED PER PG&E GREENBOOK STANDARDS TO PROVIDE 30' MIN. VERTICAL CLEARANCE FROM ALL OVERHANGS AND PEDESTRIAN BRIDGES. 8' MIN. CLEARANCE FROM FRONT OF PAD, AND 3' MIN. CLEARANCE FROM NON-OPERABLE SIDES OF PAD

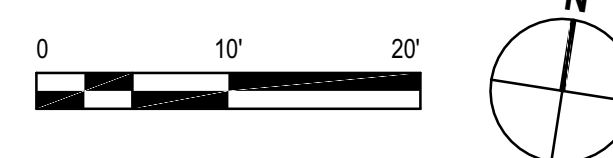
(E) HUMBOLDT COUNTY CORRECTIONAL FACILITY

GAS METER AND RISER SHALL BE INSTALLED PER THE CLEARANCES OUTLINED IN NOTE 7 ABOVE.

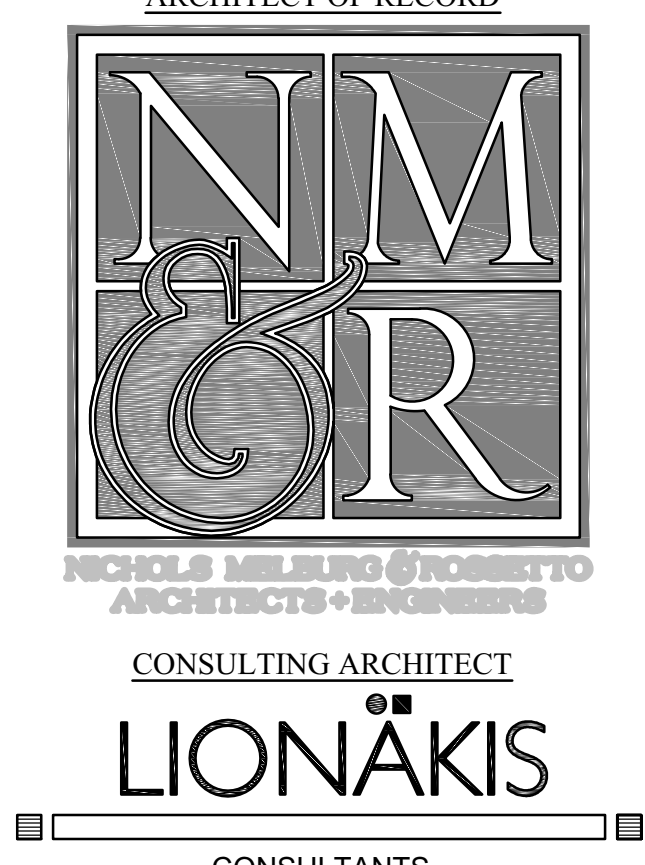
HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER

**UTILITY PLANS**

SCALE: AS SHOWN



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

**SHEET TITLE**

UTILITY PLAN

**DRAWING STATUS**

WORKING DRAWINGS

**REVISIONS**

Delta	Description	Date

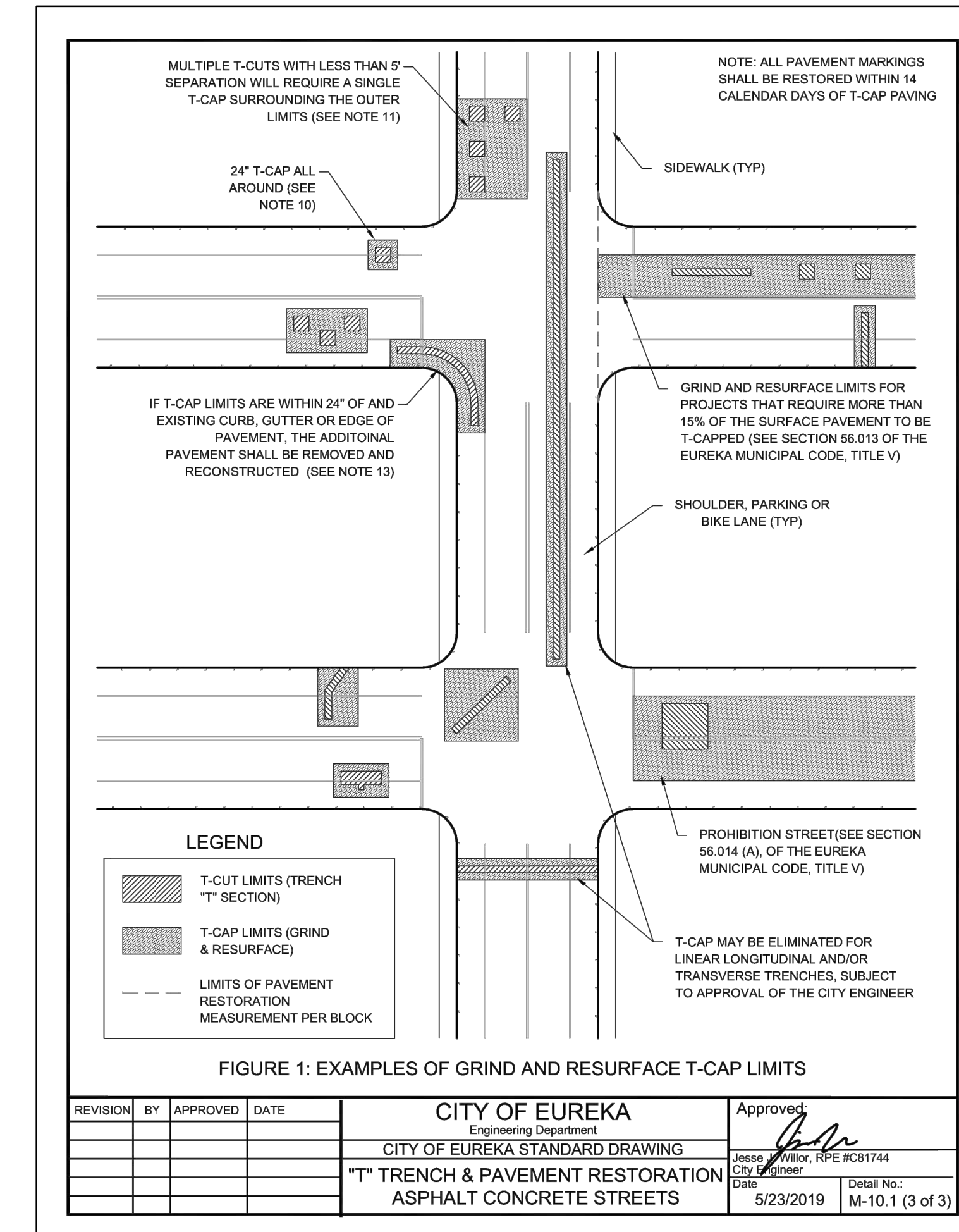
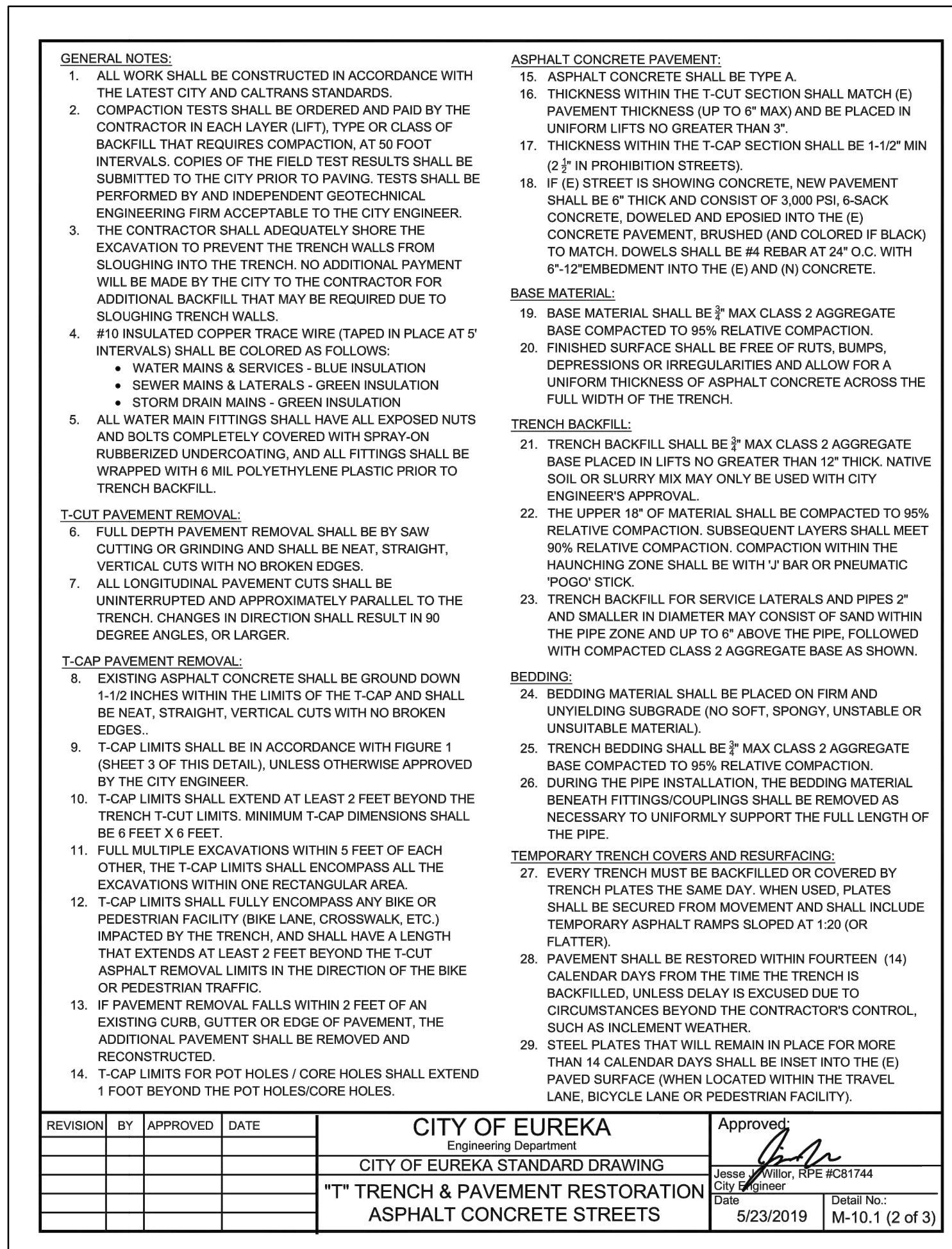
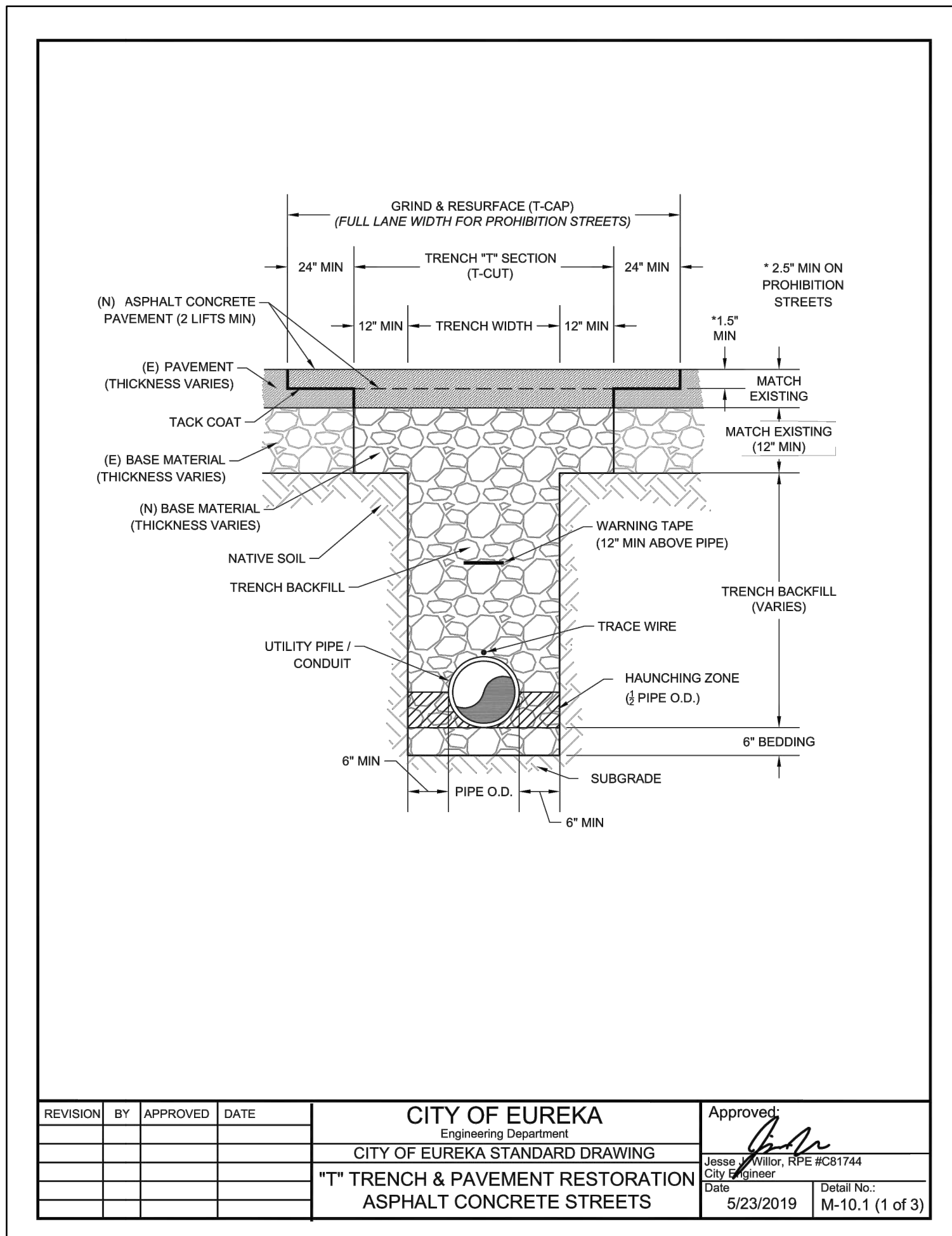
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 Scale: 1" = 10'-0"  
 Project No.: 16-6421.00

SHEET No.  
**C103 V4**

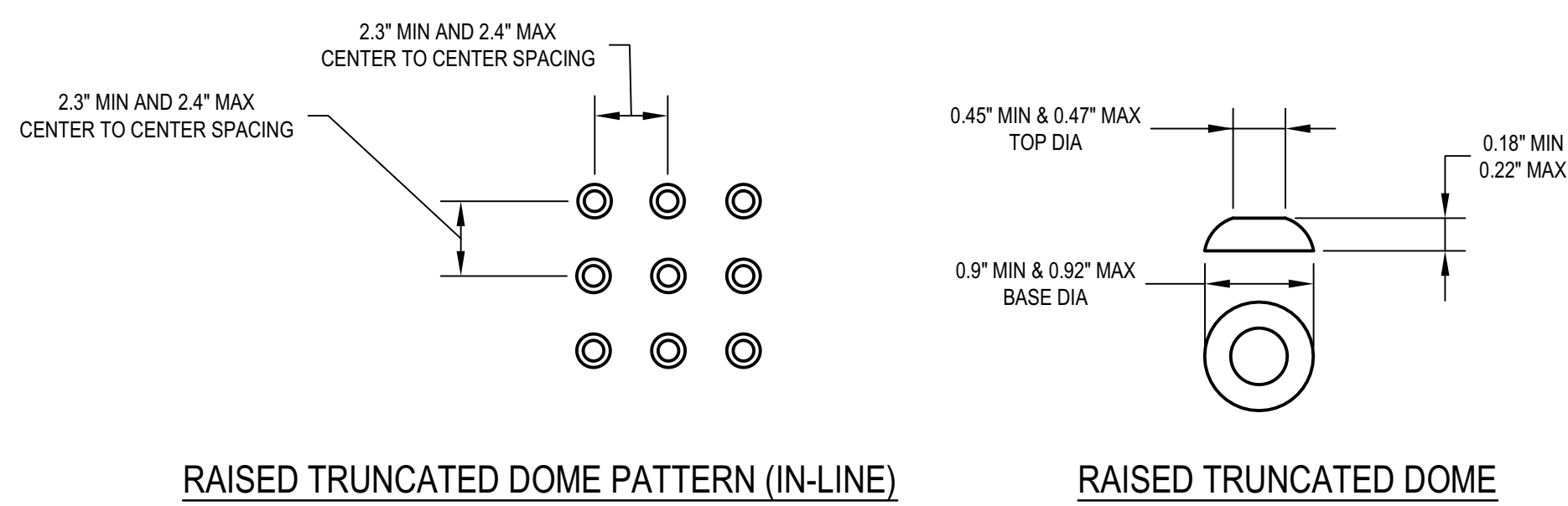
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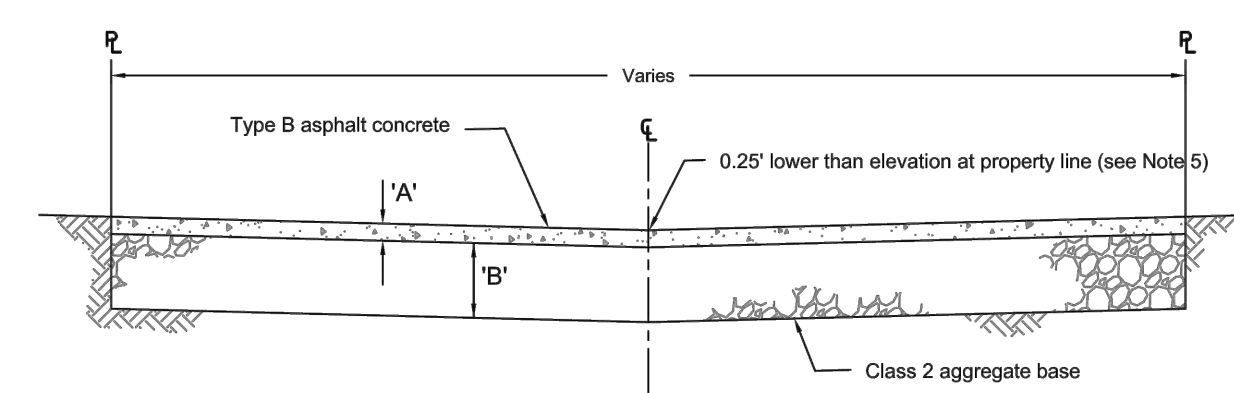


**1 TYPICAL TRENCH DETAILS**  
SCALE: NTS



- NOTES:**
- CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF RAMP. SEE RAMP DETAILS ON THIS SHEET FOR DETECTABLE WARNING LAYOUT.
  - THE EDGE OF THE DETECTABLE WARNING SHALL BE BETWEEN 6" AND 8" AWAY FROM THE STREET GUTTER FLOWLINE EXCEPT FOR PARALLEL RAMP CONSTRUCTION, WHERE THE DETECTABLE WARNING SURFACE SHALL BE BETWEEN 0" AND 2" AWAY FROM THE STREET GUTTER FLOWLINE.
  - DETECTABLE WARNING SHALL BE A PREFORMED MATERIAL AS APPROVED BY THE ENGINEER. THE DETECTABLE WARNING SHALL BE CAST-IN, NOT SURFACE APPLIED UNLESS NOTED OTHERWISE. THE USE OF CONCRETE STAMPING IS NOT PERMITTED.
  - DETECTABLE WARNING SURFACE SHALL BE FEDERAL YELLOW.

**2 DETECTABLE WARNING SURFACE DETAILS**  
SCALE: NTS



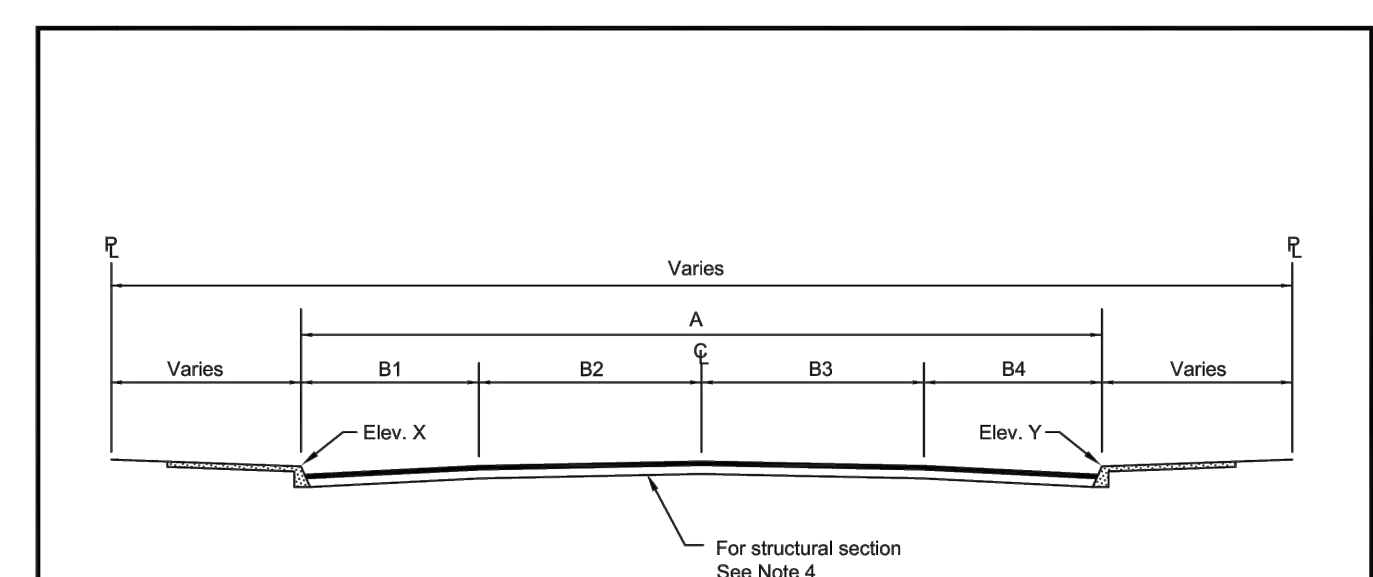
- Notes:**
- Subgrade preparation and placement of Class 2 base materials shall comply with Section 26 of the CalTrans Standard Specifications, 2006 edition.
  - All subgrade material shall be compacted to 90% relative compaction and aggregate base to 95% relative compaction.
  - Asphalt concrete pavement shall by Type "A" 3" maximum coarse aggregate and shall comply with Section 39 of the CalTrans Standard Specifications, 2006 edition.
  - The asphalt concrete shall be thoroughly compacted by a mechanical roller.
  - If one side of the alley at the property line is higher than the other, the elevation of the flow line shall be 0.25' lower than the low side.
  - Grades and structural section shall be approved by the City Engineering Department.

REVISION	BY	APPROVED	DATE

**CITY OF EUREKA**  
Engineering Department  
CITY OF EUREKA STANDARD DRAWING  
Alley Paving Section

Approved: *[Signature]*  
Date: 9/25/12  
Detail No.: R-11

**3 TYPICAL PAVING DETAILS**  
SCALE: NTS



A = 36'					A = 42'					A = 44'					
B1 = B4 = 6'					B1 = B4 = 7'					B1 = B4 = 8'					
B2 = B3 = 12'					B2 = B3 = 14'					B2 = B3 = 14'					
Crossfall	Y-X	B1	B2	B3	B4	Y-X	B1	B2	B3	B4	Y-X	B1	B2	B3	B4
0 to 12	-5%	-5%	-5%	-5%	-5%	0 to 14	-5%	-5%	-5%	-5%	0 to 14	-5%	-5%	-5%	-5%
12 to 24	-5%	-5%	-5%	-5%	-5%	14 to 28	-5%	-5%	-5%	-5%	14 to 28	-5%	-5%	-5%	-5%
24 to 36	-5%	-5%	-5%	-5%	-5%	28 to 35	-5%	-5%	-5%	-5%	28 to 35	-5%	-5%	-5%	-5%
36 to 1.00	-5%	-5%	-5%	-5%	-5%	35 to 1.00	-5%	-5%	-5%	-5%	35 to 1.00	-5%	-5%	-5%	-5%

- Notes:**
- Positive and negative percentages are determined from the centerline.
  - Roadways that have a transition between a crown section and an inclined section shall be referred to the City of Eureka Engineering Division for review and approval.
  - Roadway crossfalls that exceed one foot shall be referred to the Engineering Division to determine a proper roadway drainage system and cross-section.
  - Structural section shall be designed by the consultant engineer for review and approval by City Engineering Division. R value for basement soils shall be determined in conformance with State of California Test Method No. Calif. 301-F. Testing shall be the responsibility of the party applying for the structural section design. Min section shall be 0.3' AC over 0.7' agg. base.

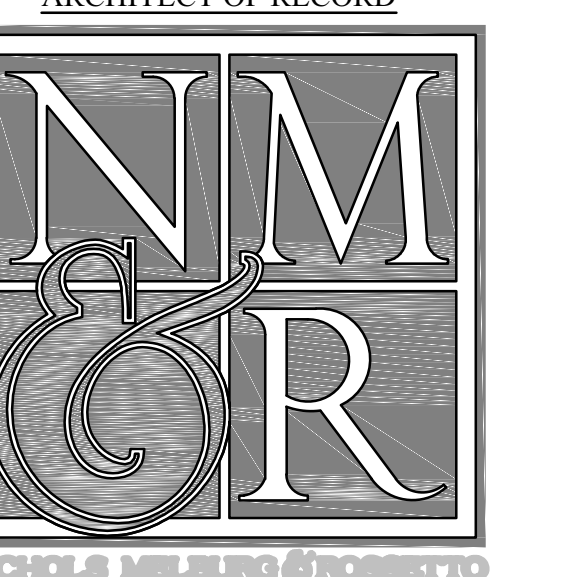
REVISION	BY	APPROVED	DATE

**CITY OF EUREKA**  
Engineering Department  
CITY OF EUREKA STANDARD DRAWING  
Typical Pavement Sections

Approved: *[Signature]*  
Date: 09/25/12  
Detail No.: R-10



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PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**CONSTRUCTION  
DETAILS**

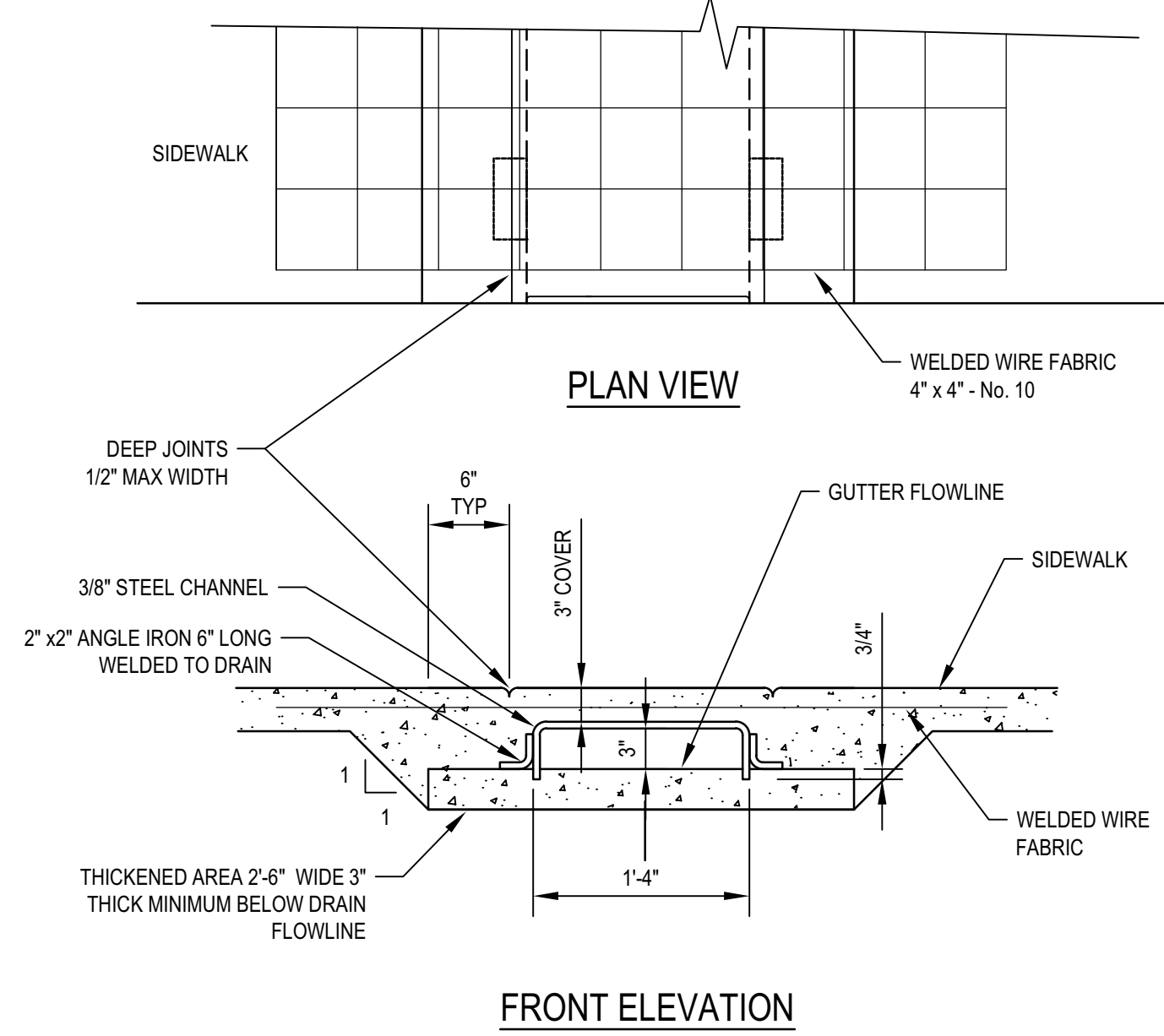
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By: C.PROVIN,SANGER  
Date Issued: 9.19.2022  
Scale: VARIES  
Project No.: 16-6421.00

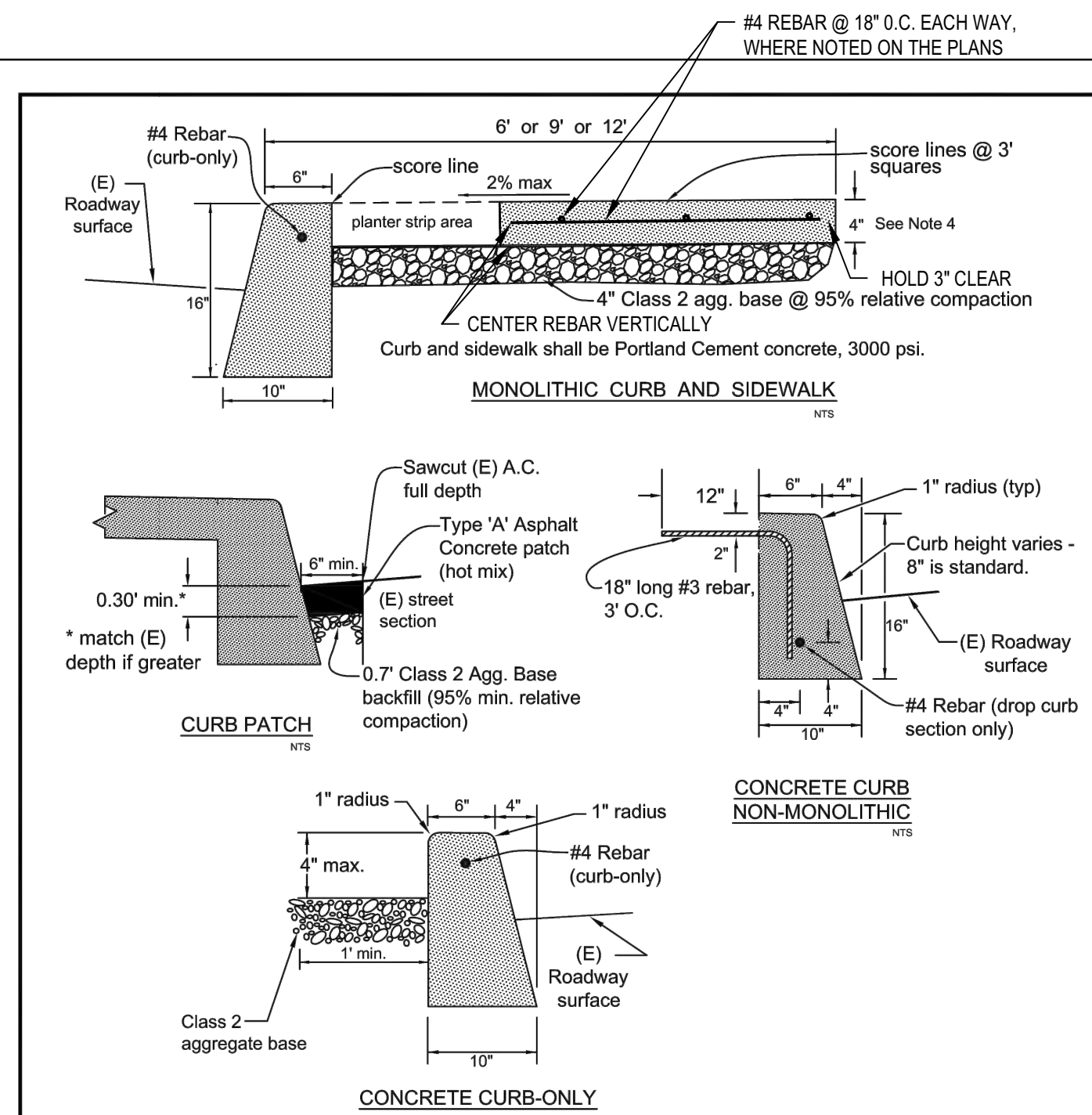
SHEET No.  
**C501 V4**



**NOTES:**

- BOTTOM OF DRAIN SHALL BE SLOPED AT 1/4" MIN. TOWARDS THE ROAD GUTTER AND SHALL BE SMOOTHED PRIOR TO SETTING CHANNEL IN WET CONCRETE.
- AFTER SETTING CHANNEL, THICKENED AREA WILL BE ALLOWED TO SET UP ENOUGH TO PREVENT FURTHER SINKING OF CHANNEL. A COLD JOINT IS ACCEPTABLE.
- WIRE FABRIC SHALL BE 4' LONG (MIN.), WIDTH SHALL EQUAL SIDEWALK WIDTH MINUS 4".
- MITER CHANNEL AS NECESSARY TO BE FLUSH WITH CURB FACE.

**1 TYPICAL SIDEWALK UNDERDRAIN DETAIL**  
SCALE: NTS



**NOTES:**

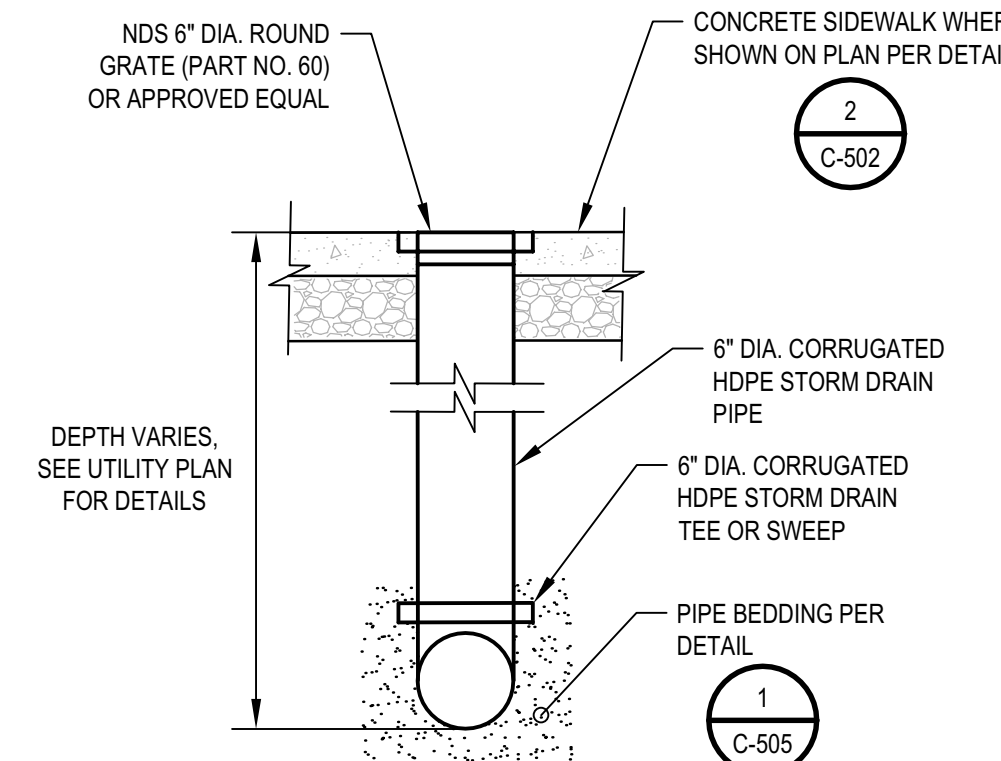
- Refer to City Resolution No. 8219 for additional information regarding concrete curb and sidewalk specifications.
- All existing sidewalk areas being replaced shall be sawcut along and replaced to the nearest scoreline. Thoroughly tack coat all vertical surfaces prior to paving with AC.
- Forms shall extend the full depth of the face of curb.
- Sidewalk constructed within the radius of street intersections shall have a minimum thickness of 6" and be finished to appropriate ADA standards.
- Weakened plane joints shall be installed in all sidewalks and curbs at intervals between 10' and 15', at the extension of property lines at street intersections, at both ends of all drop curb entrances, and at the property line where concrete is continuous across the property line. Weakened plane joints shall be installed in the curbs continuously with the weakened plane joints in the adjacent sidewalk.

REVISION	BY	APPROVED	DATE

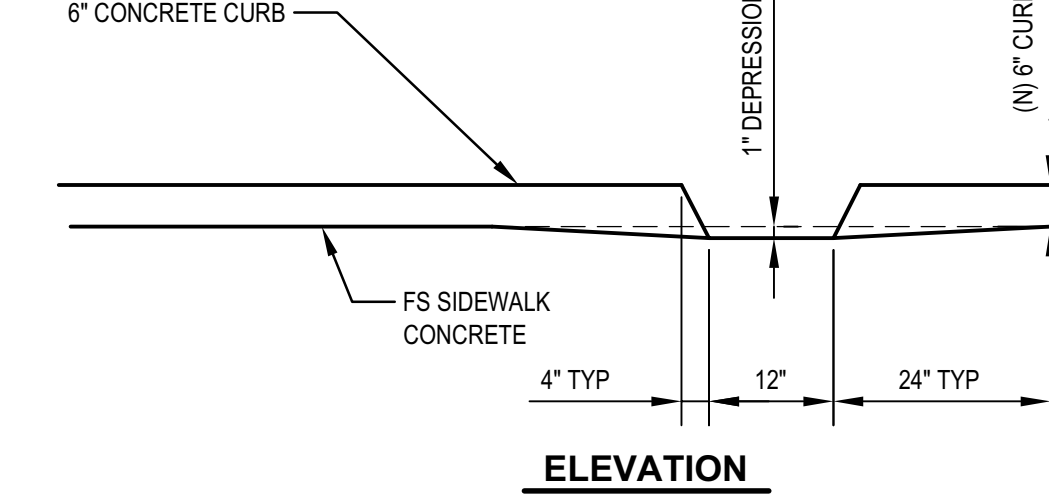
**CITY OF EUREKA**  
Engineering Department  
CITY OF EUREKA STANDARD DRAWING  
Concrete Curb & Sidewalk

Approved:  
[Signature]  
City Engineer  
Date: 09/12/08  
Detail No.: R-20

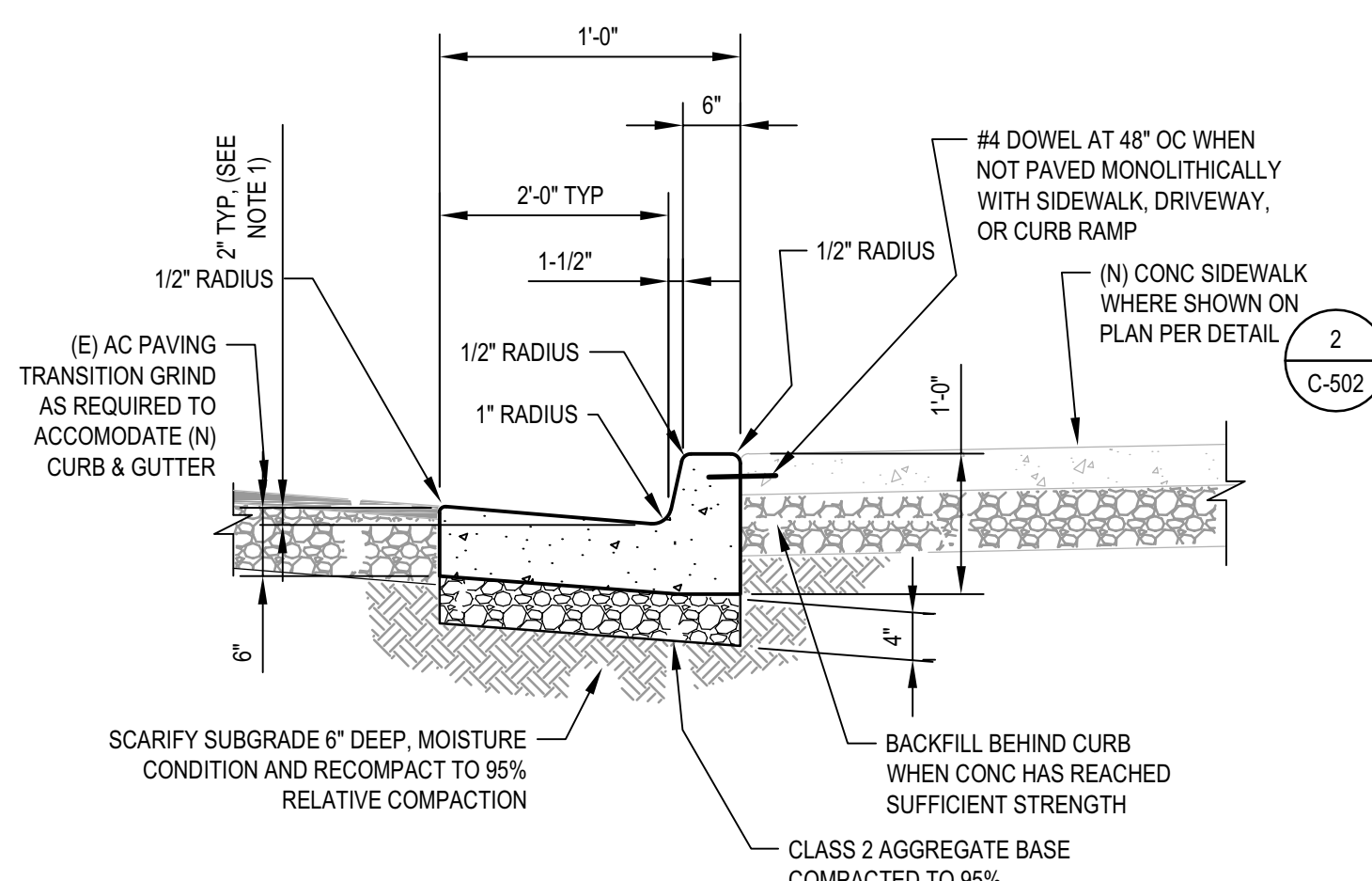
**2 TYPICAL SIDEWALK DETAIL**  
SCALE: NTS



**3 TYPICAL AREA DRAIN DETAIL**  
SCALE: NTS



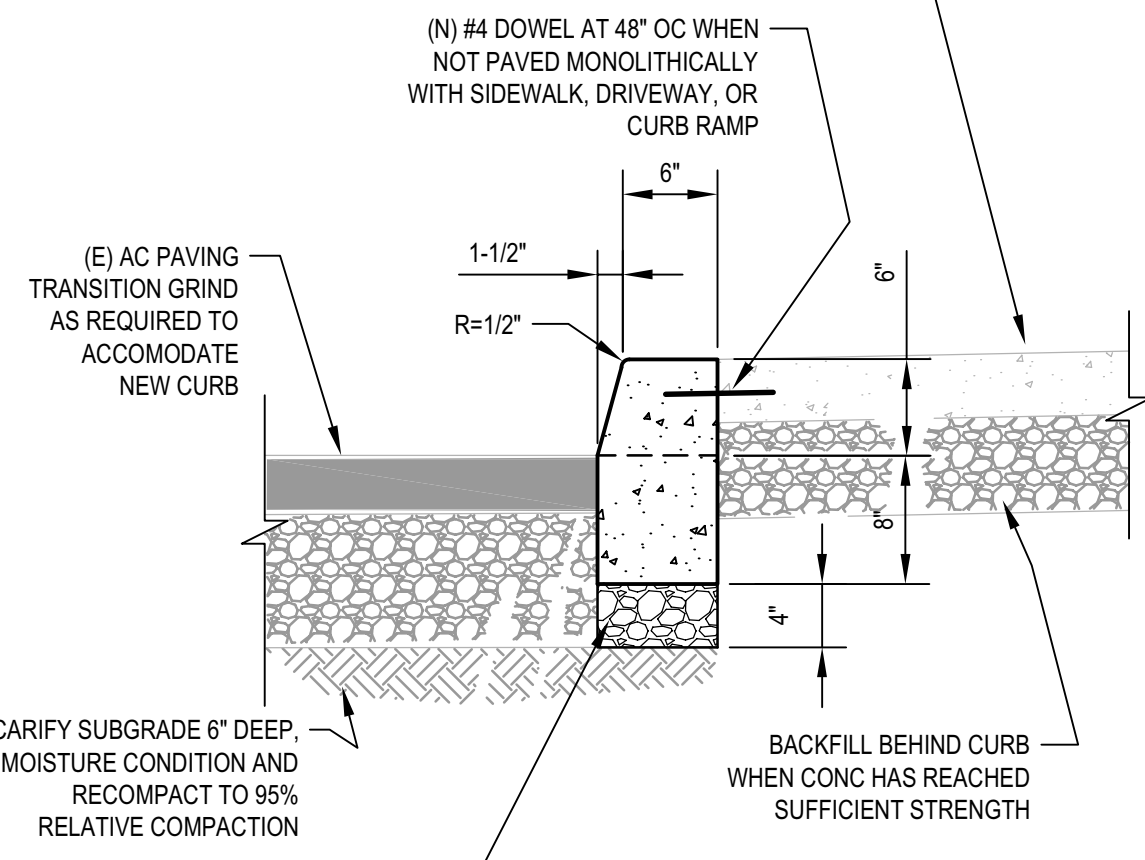
**4 TYPICAL CURB CUT DETAILS**  
SCALE: NTS



**NOTES:**

- ACROSS THE PEDESTRIAN ROUTE AT CURB RAMP LOCATIONS, THE GUTTER PAN SLOPE SHALL NOT EXCEED 5% WITHIN 2'-0" OF THE TOP AND BOTTOM OF THE CURB RAMP.
- NEW CURB ELEVATIONS TO BE SET ACCORDING TO OVERLAY AND/OR AS DIRECTED BY THE ENGINEER.
- DRILL AND DOWEL #4'S AT 12" O.C. INTO EXISTING CURBS AND GUTTER.

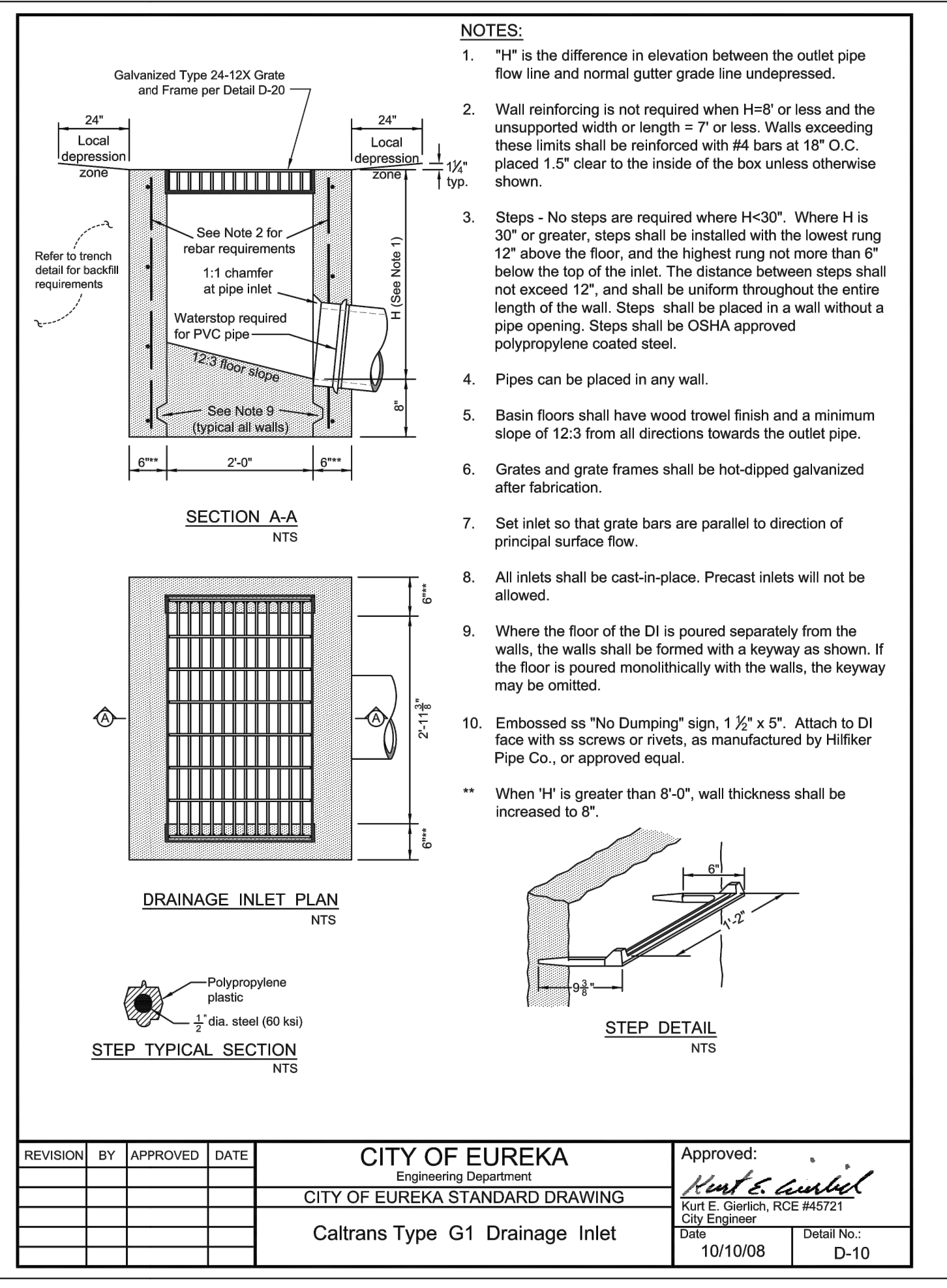
**5 TYPICAL CURB AND GUTTER DETAIL - TYPE A2-6**  
SCALE: NTS



**NOTES:**

- NEW CURB ELEVATIONS TO BE SET ACCORDING TO OVERLAY AND/OR AS DIRECTED BY THE ENGINEER.
- DRILL AND DOWEL (2) #4'S WHEN JOINING EXISTING CURBS.
- WHEN SURFACE APPLIED ON (E) CONCRETE, PROVIDE CONTINUOUS #3 HORIZONTAL BAR AND #3 VERTICAL DOWEL EMBEDDED 4" INTO (E) CONCRETE.

**6 TYPICAL CURB DETAIL - TYPE A1-6**  
SCALE: NTS



**NOTES:**

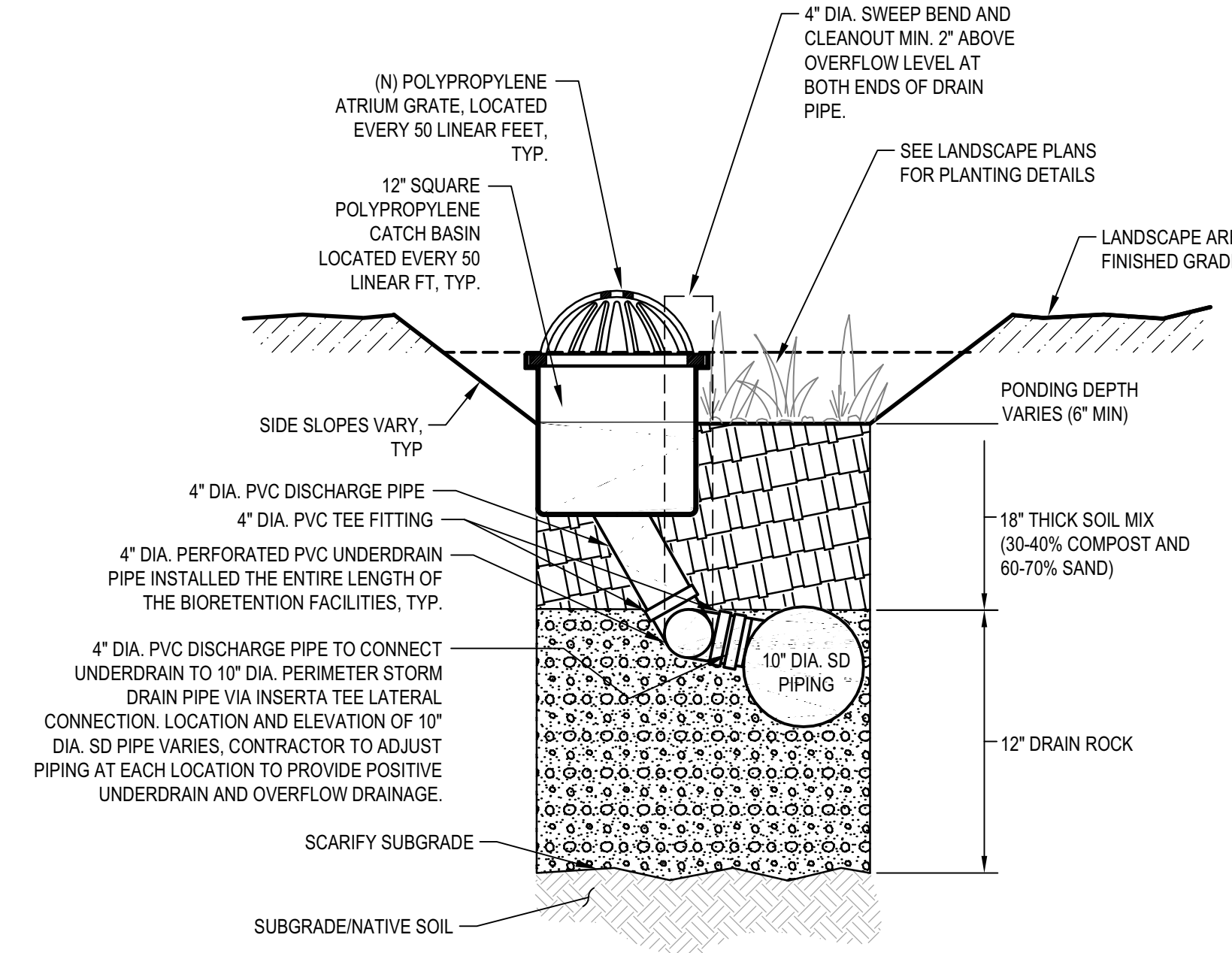
- "H" is the difference in elevation between the outlet pipe flow line and normal gutter grade line undepressed.
- Wall reinforcing is not required when H=8" or less and the unsupported wall or length is 7" or less. Walls exceeding these limits shall be reinforced with #4 bars at 18" O.C. placed 1.5" clear to the inside of the box unless otherwise shown.
- Steps - No steps are required where H<30". Where H is 30" or greater, steps shall be installed with the lowest rung 12" above the floor, and the highest rung not more than 6" below the top of the inlet. The distance between steps shall not exceed 12", and shall be uniform throughout the entire length of the wall. Steps shall be placed in a wall without a pipe opening. Steps shall be DSHA approved polypropylene coated steel.
- Pipes can be placed in any wall.
- Basin floors shall have wood trowel finish and a minimum slope of 1/2% in all directions towards the outlet pipe.
- Grates and grate frames shall be hot-dipped galvanized after fabrication.
- Set inlet so that grate bars are parallel to direction of principal surface flow.
- All inlets shall be cast-in-place. Precast inlets will not be allowed.
- Where the floor of the DI is poured separately from the walls, the walls shall be formed with a keyway as shown. If the floor is poured monolithically with the walls, the keyway may be omitted.
- Embossed as "No Dumping" sign, 1 1/2" x 6". Attach to DI face with screws or rivets, as manufactured by Hilliker Pipe Co., or approved equal.
- When "H" is greater than 6'-0", wall thickness shall be increased to 8".

REVISION	BY	APPROVED	DATE

**CITY OF EUREKA**  
Engineering Department  
CITY OF EUREKA STANDARD DRAWING  
Caltrans Type G1 Drainage Inlet

Approved:  
[Signature]  
City Engineer  
Date: 10/10/08  
Detail No.: D-10

**7 DRAIN INLET DETAIL**  
SCALE: NTS



**8 BIORETENTION FACILITY TYPICAL DETAIL**  
SCALE: NTS



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**LICENSE STAMPS**



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

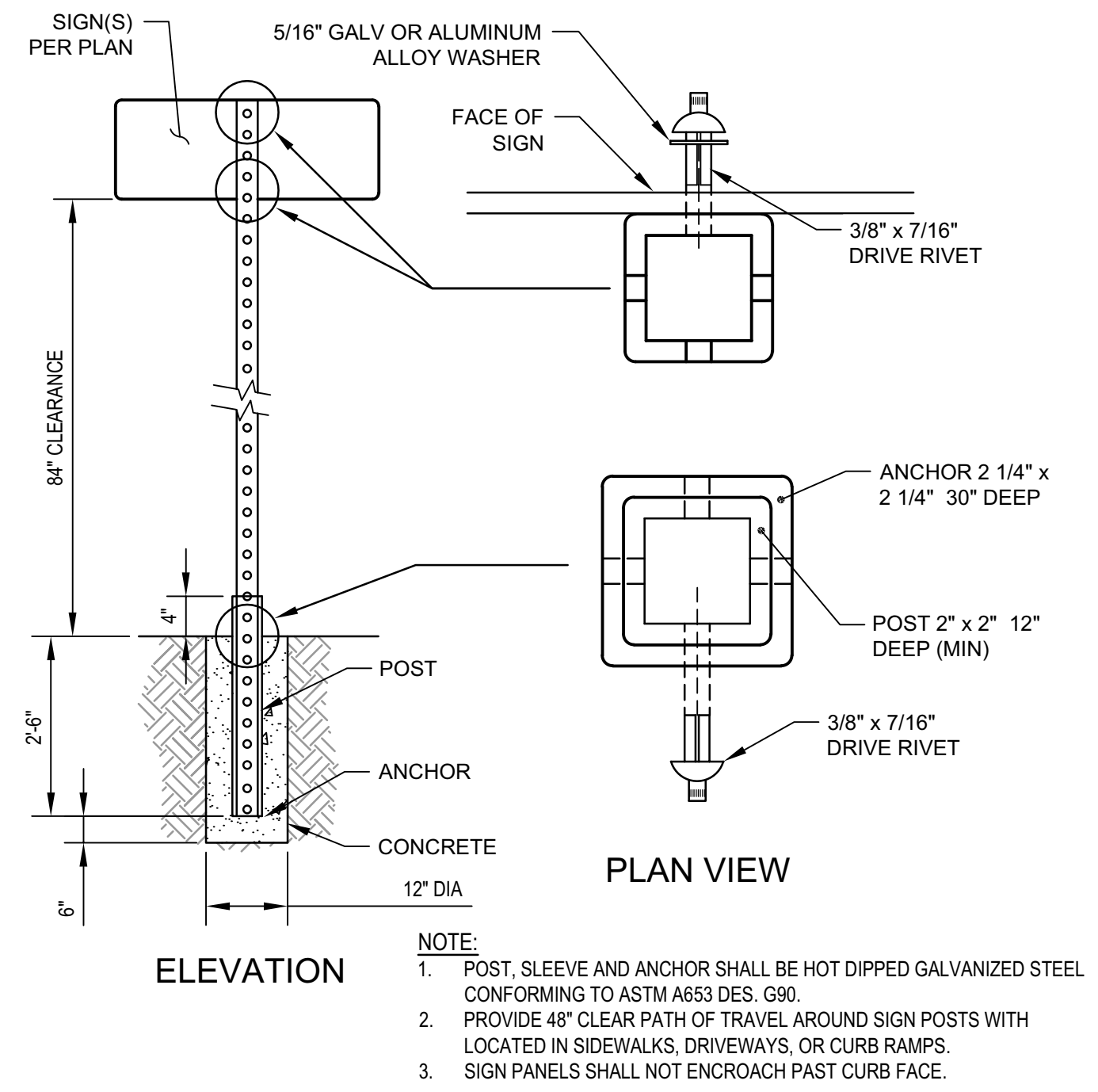
SHEET TITLE  
**CONSTRUCTION DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

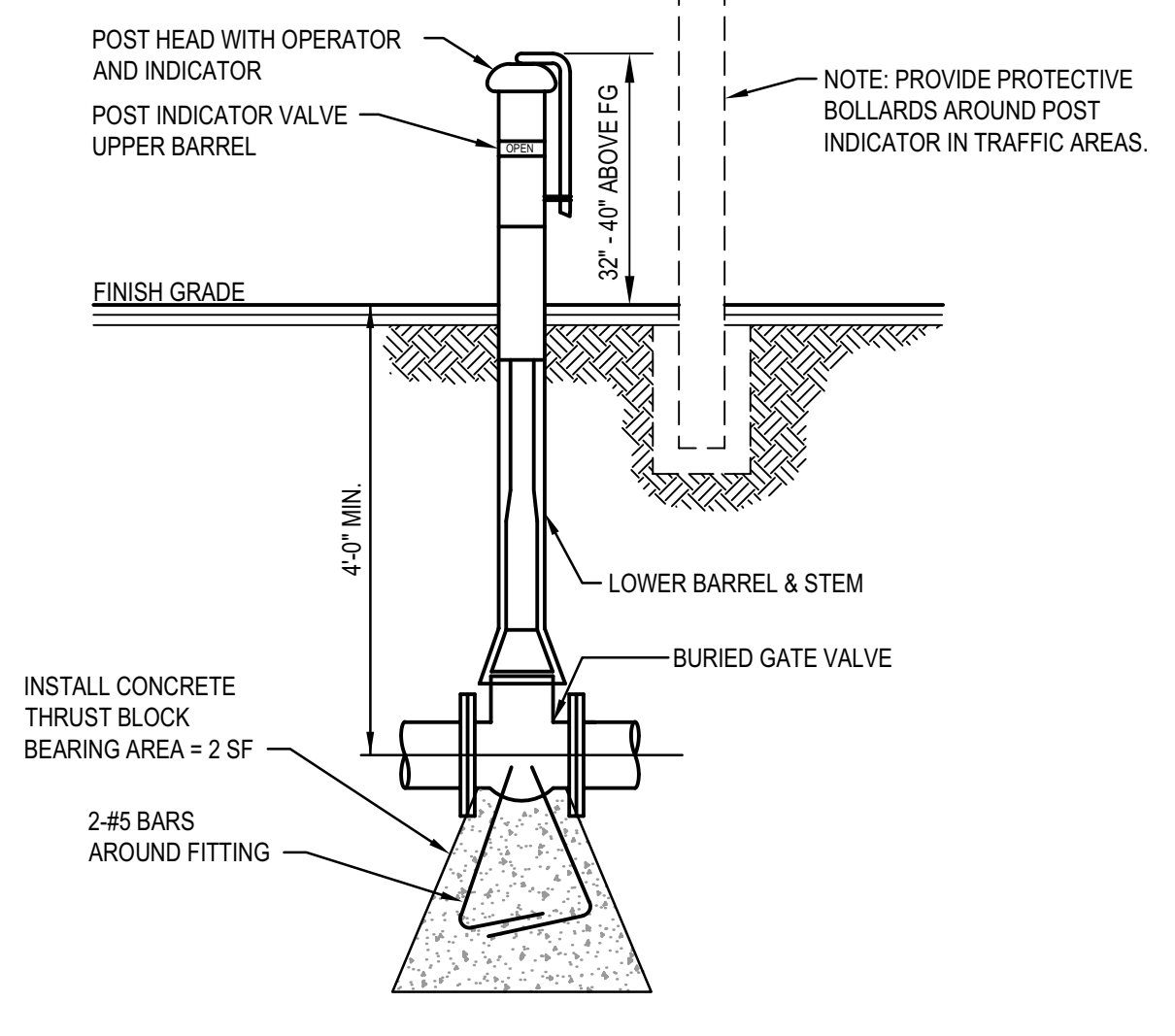
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Drawn By: N. SANGER  
Date Issued: 9.19.2022  
Scale: VARIES  
Project No.: 16-6421.00

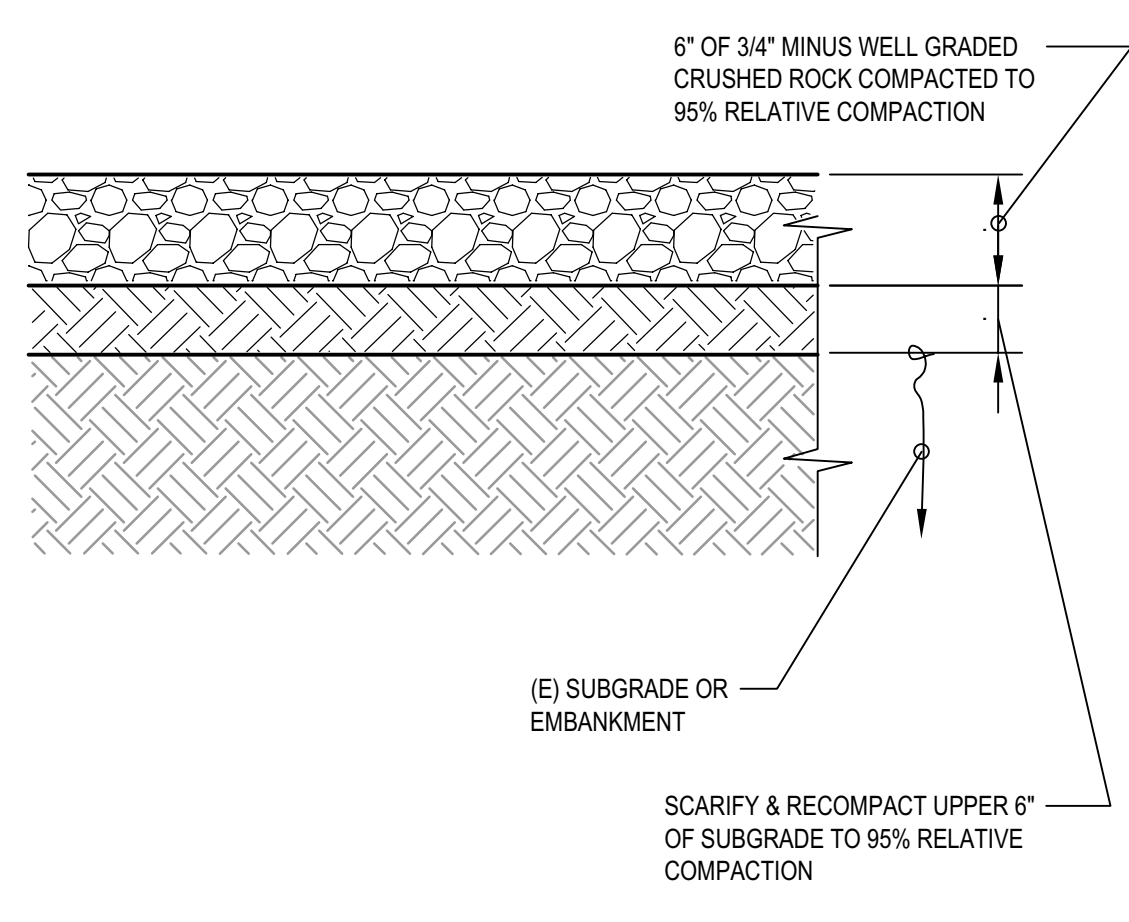
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**C502 V4**



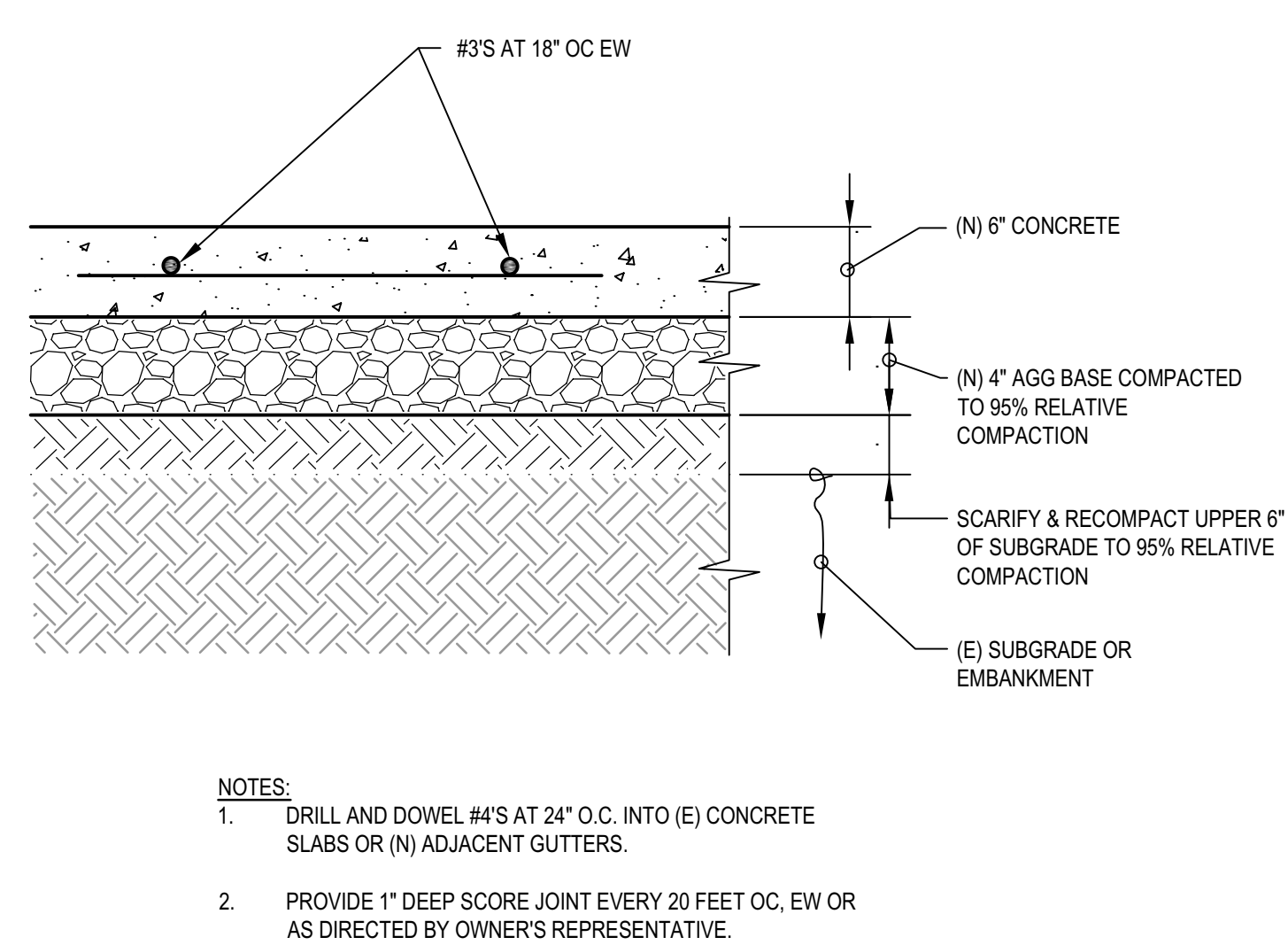
**1 TYPICAL ROADSIDE SIGN, 1-POST DETAIL**  
SCALE: NTS



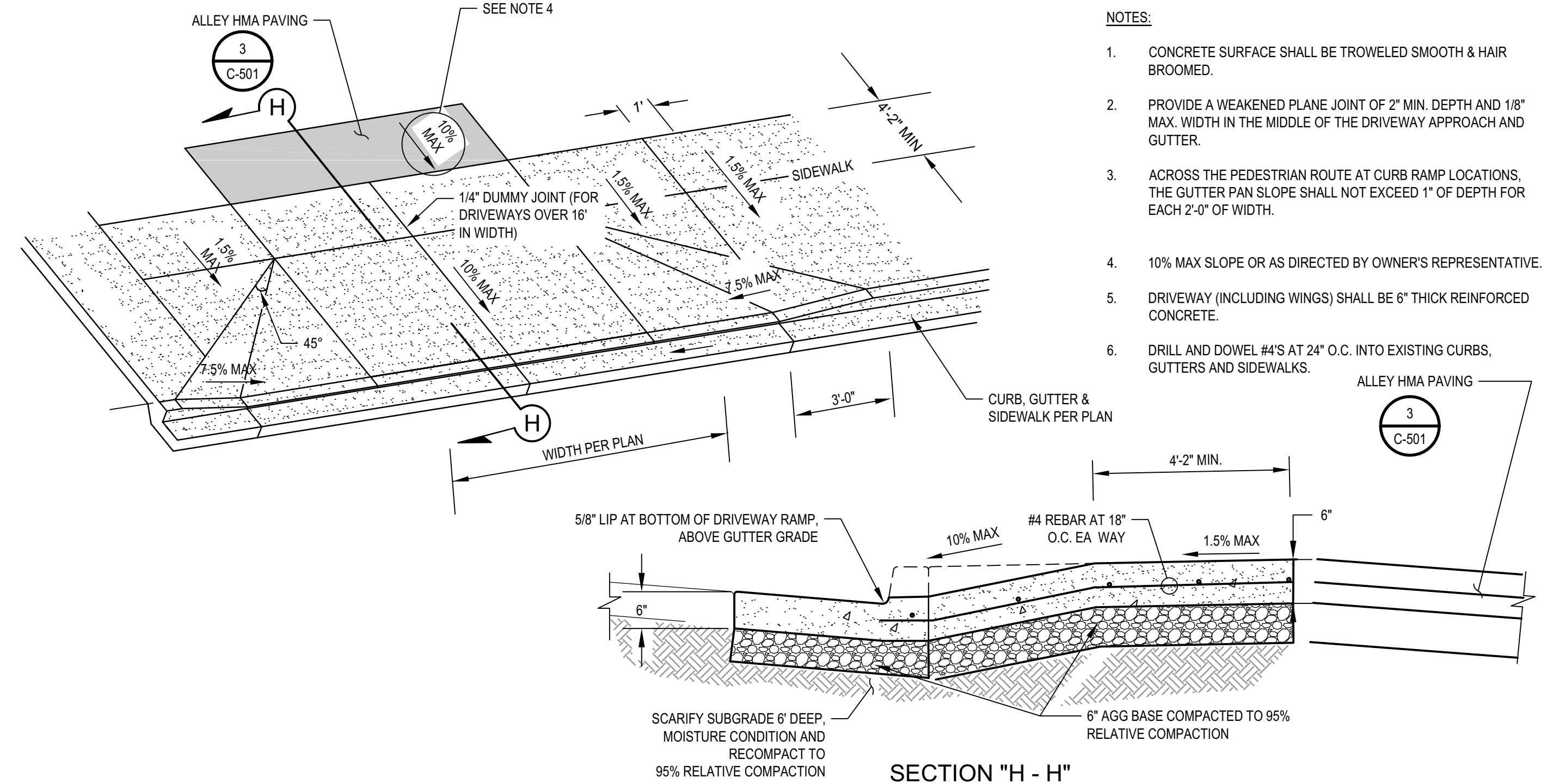
**2 POST INDICATOR VALVE**  
SCALE: NTS



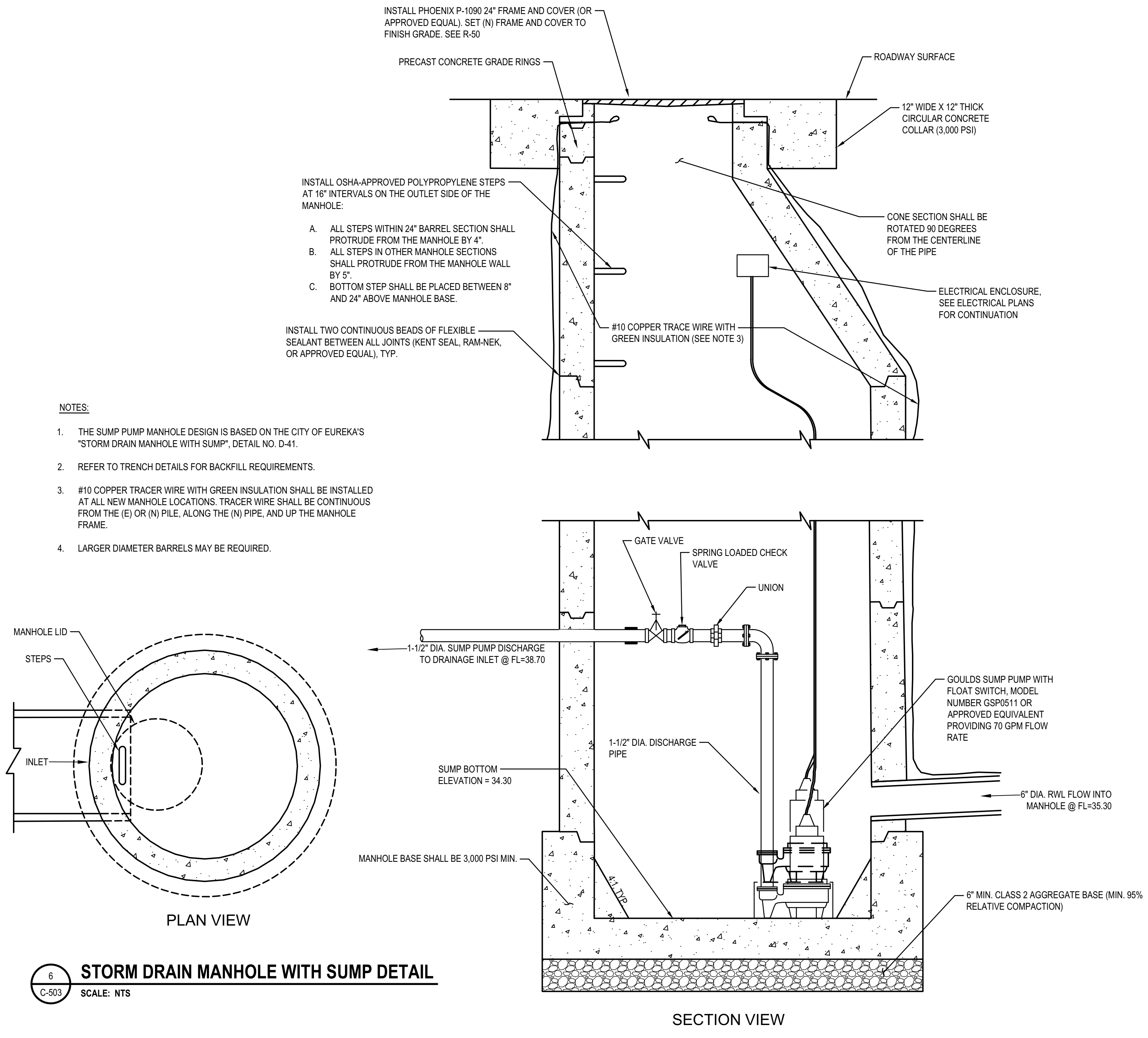
**3 TYPICAL GRAVEL SURFACING DETAIL**  
SCALE: NTS



**4 TYPICAL VEHICULAR CONCRETE PAVING DETAIL**  
SCALE: NTS



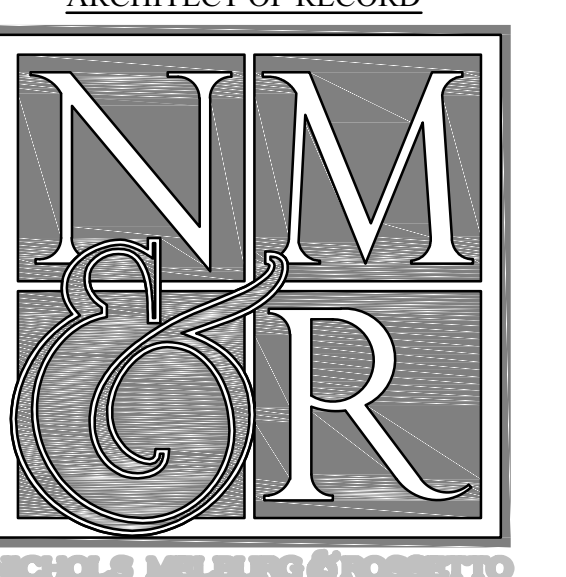
**5 TYPICAL WALKABOUT DRIVEWAY DETAIL**  
SCALE: NTS



**6 STORM DRAIN MANHOLE WITH SUMP DETAIL**  
SCALE: NTS



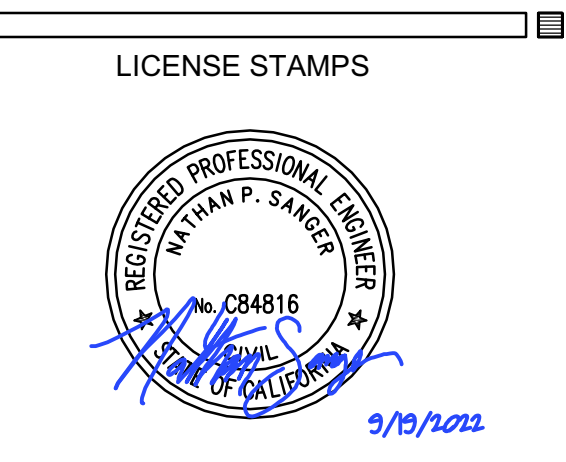
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**LIONAKIS**  
CONSULTANTS



GHD Inc.  
718 Third Street  
Eureka California 95501 USA  
T 1 707 443 8326 F 1 707 444 8330 W www.ghd.com



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**CONSTRUCTION DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By: C. PROVON, SANGER  
Date Issued: 9.19.2022  
Scale: VARIES  
Project No.: 16-6421.00

SHEET No.  
**C503 V4**



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LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**CONSTRUCTION  
DETAILS**

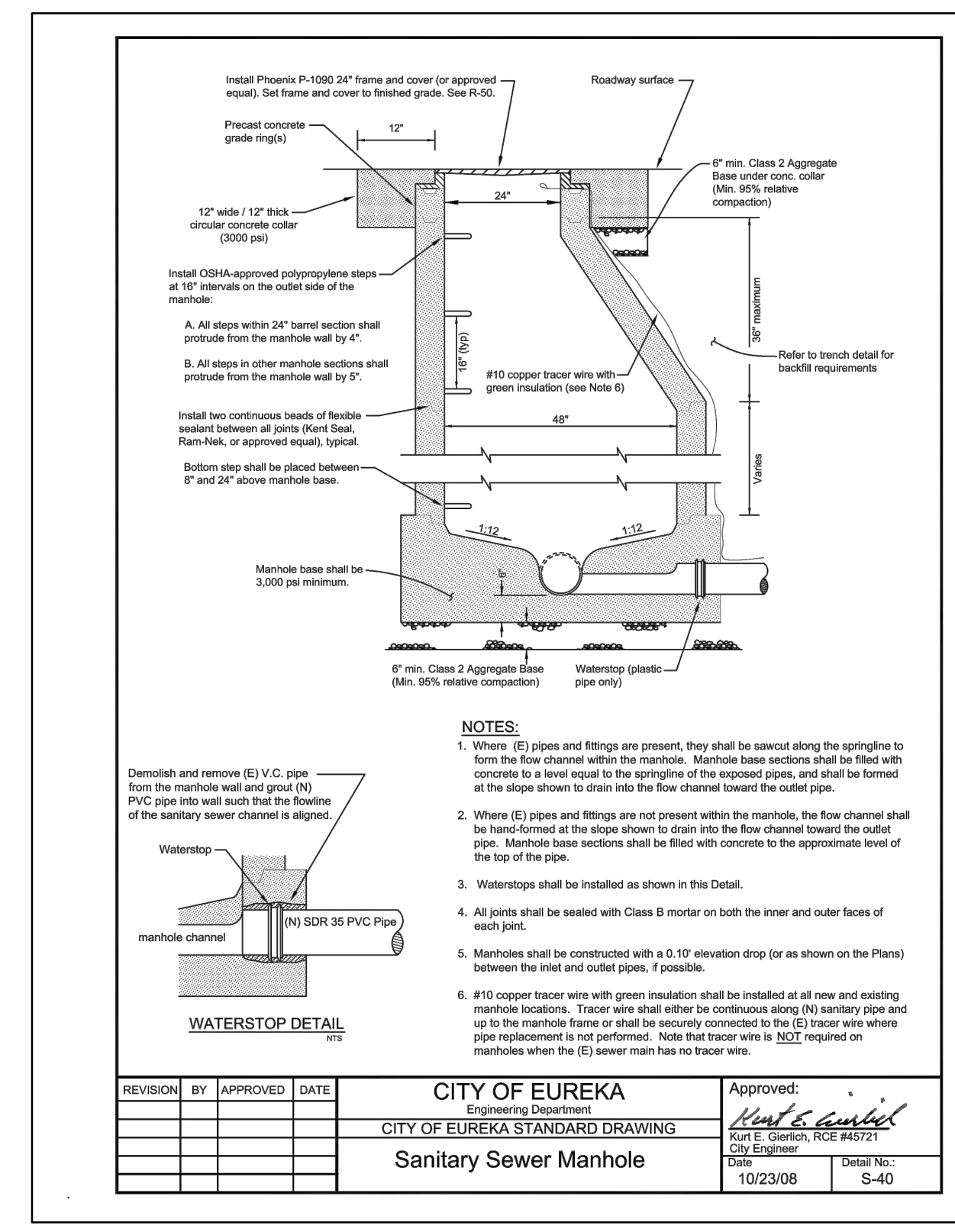
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

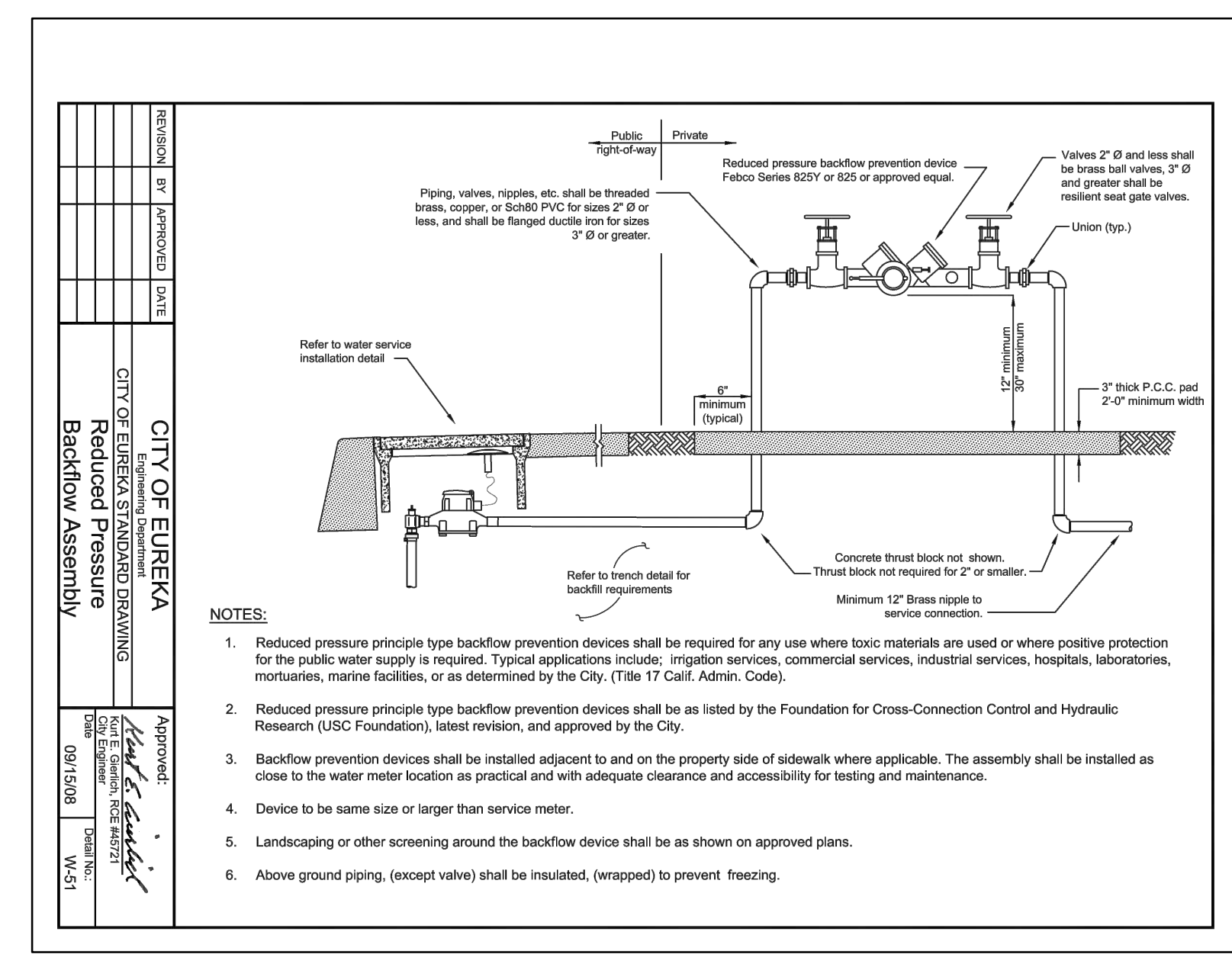
Delta	Description	Date

Drawn By: N. SANGER  
Date Issued: 9.19.2022  
Scale: VARIES  
Project No.: 16-6421.00

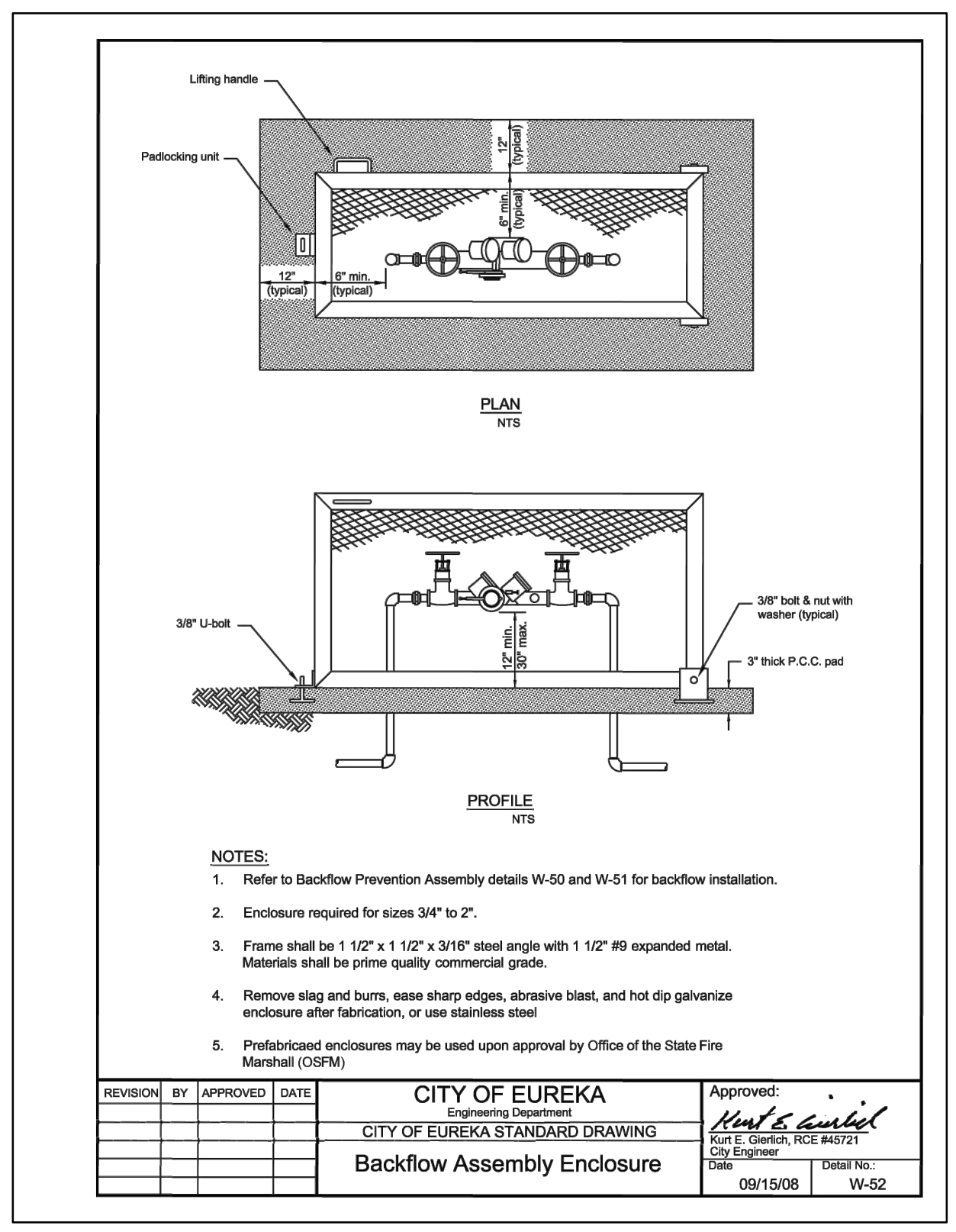
SHEET No.  
**C504 V4**



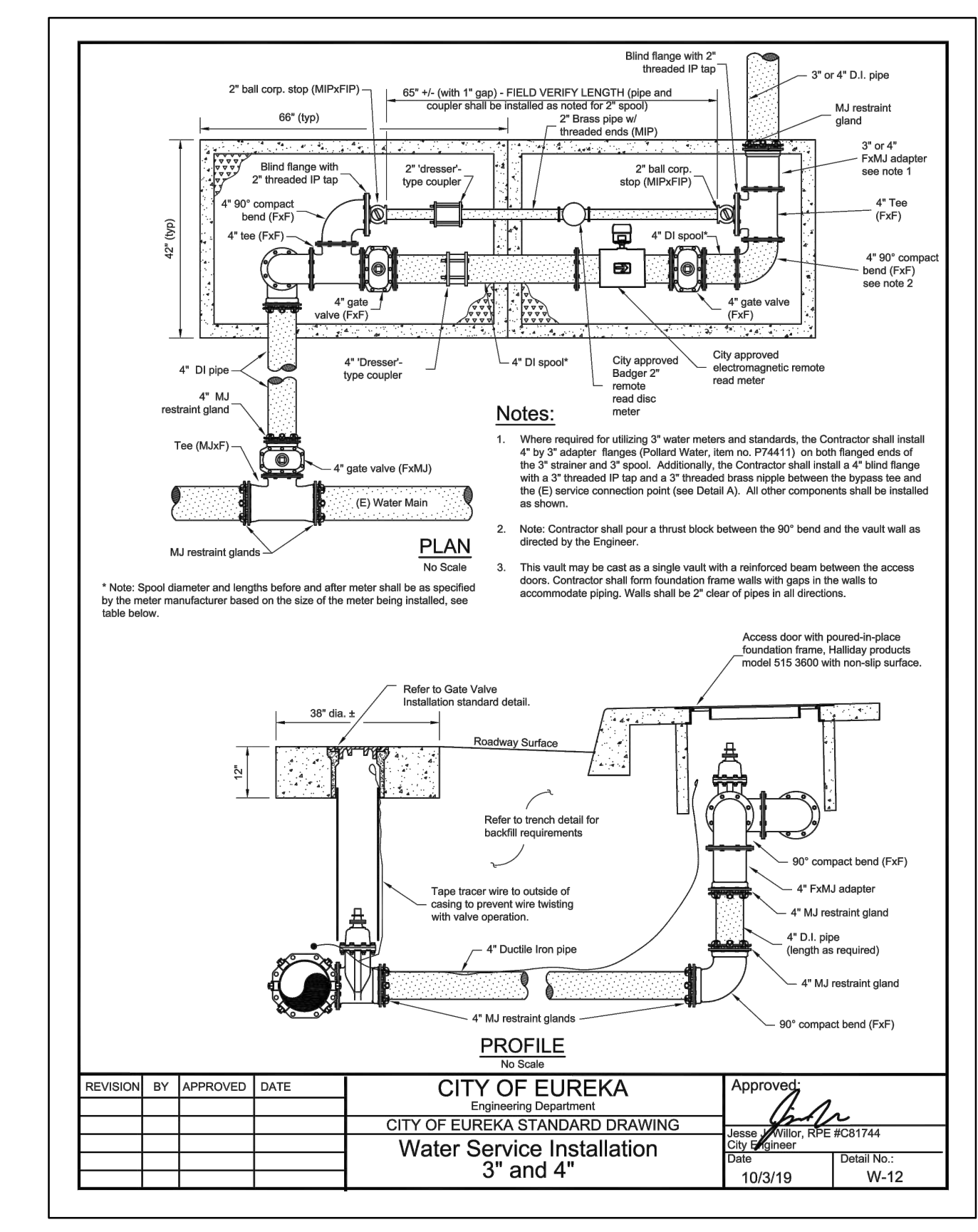
3 TYPICAL MANHOLE DETAIL  
SCALE: NTS



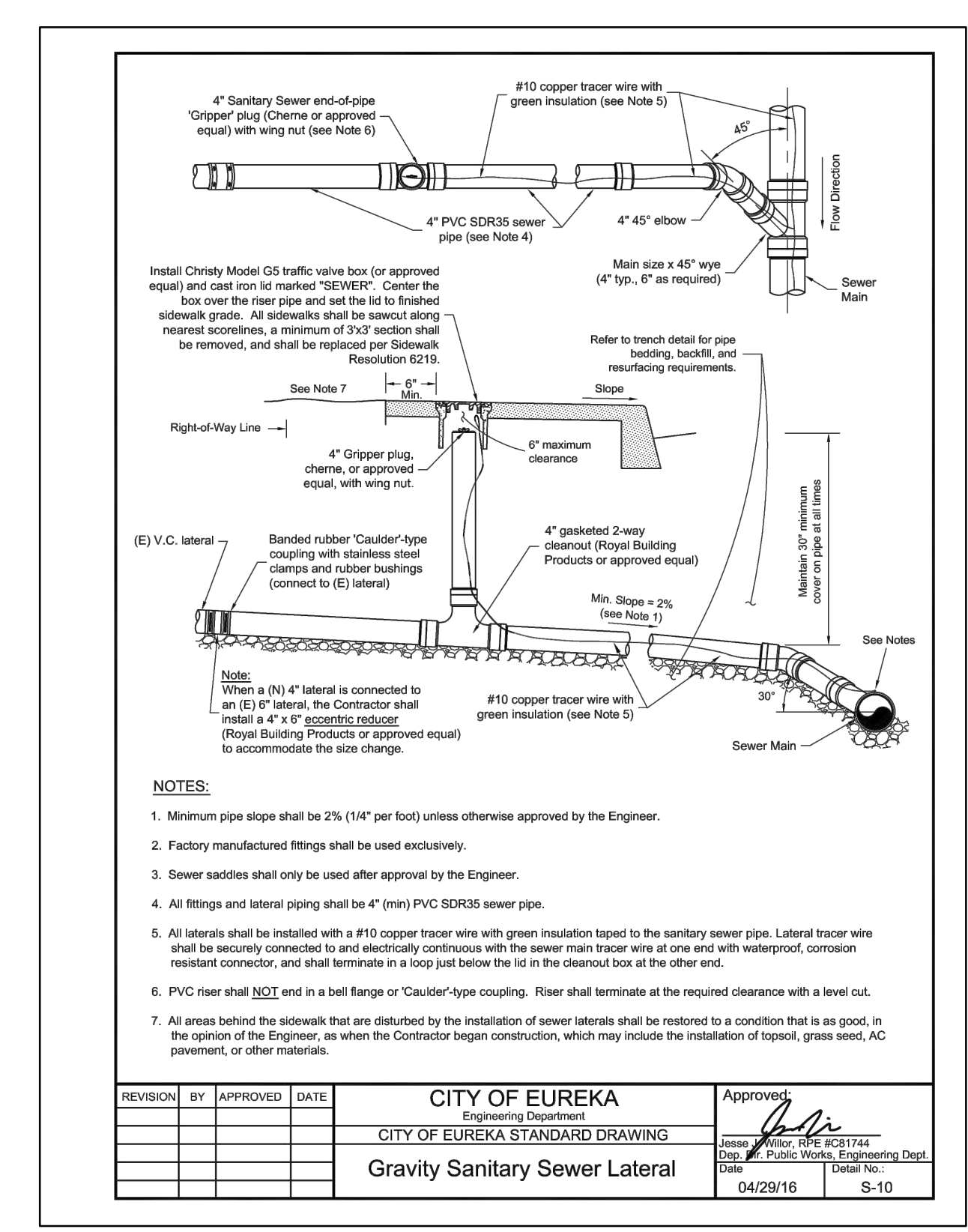
2 TYPICAL BACKFLOW PREVENTER ASSEMBLY  
SCALE: NTS



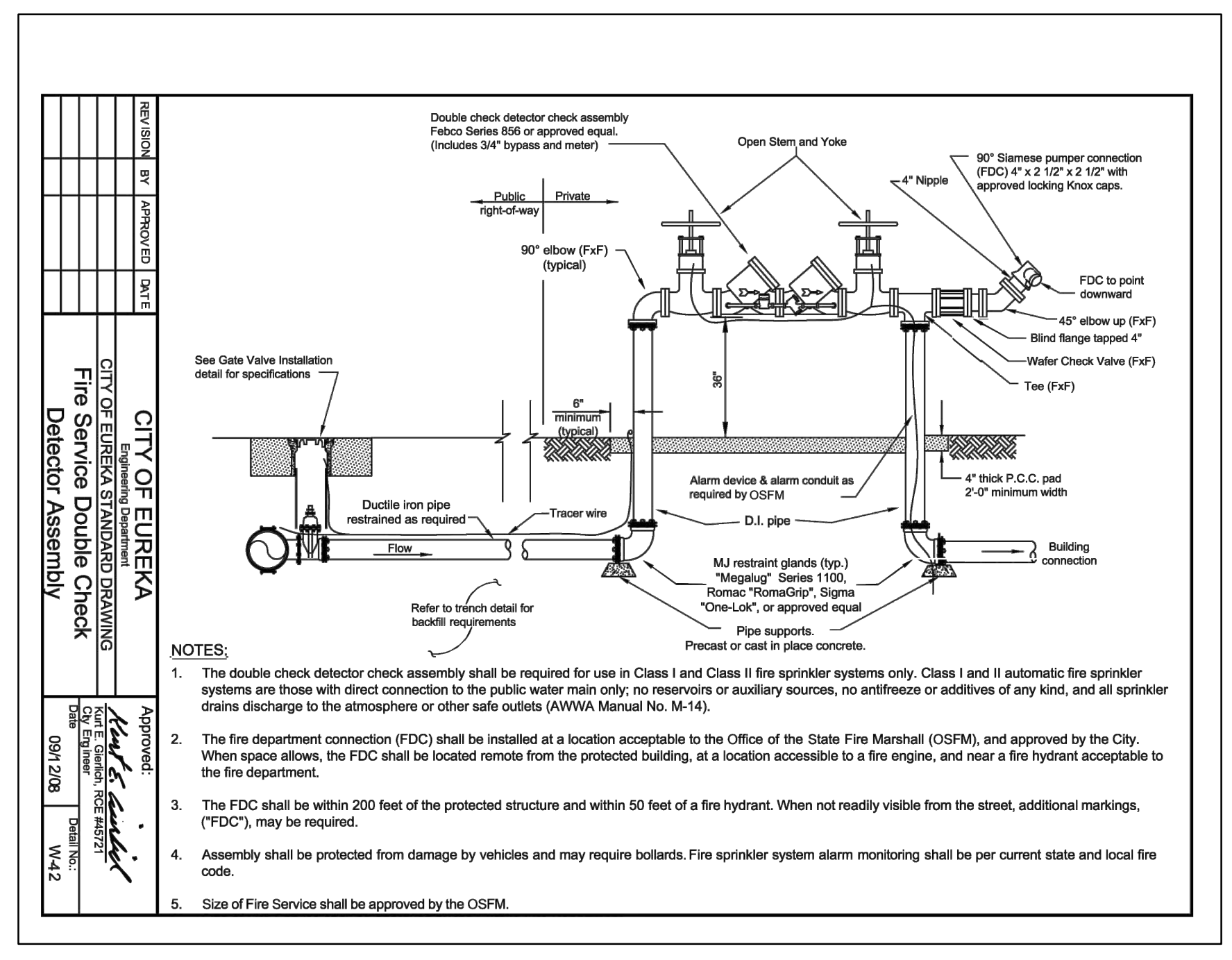
1 TYPICAL BACKFLOW ASSEMBLY ENCLOSURE  
SCALE: NTS



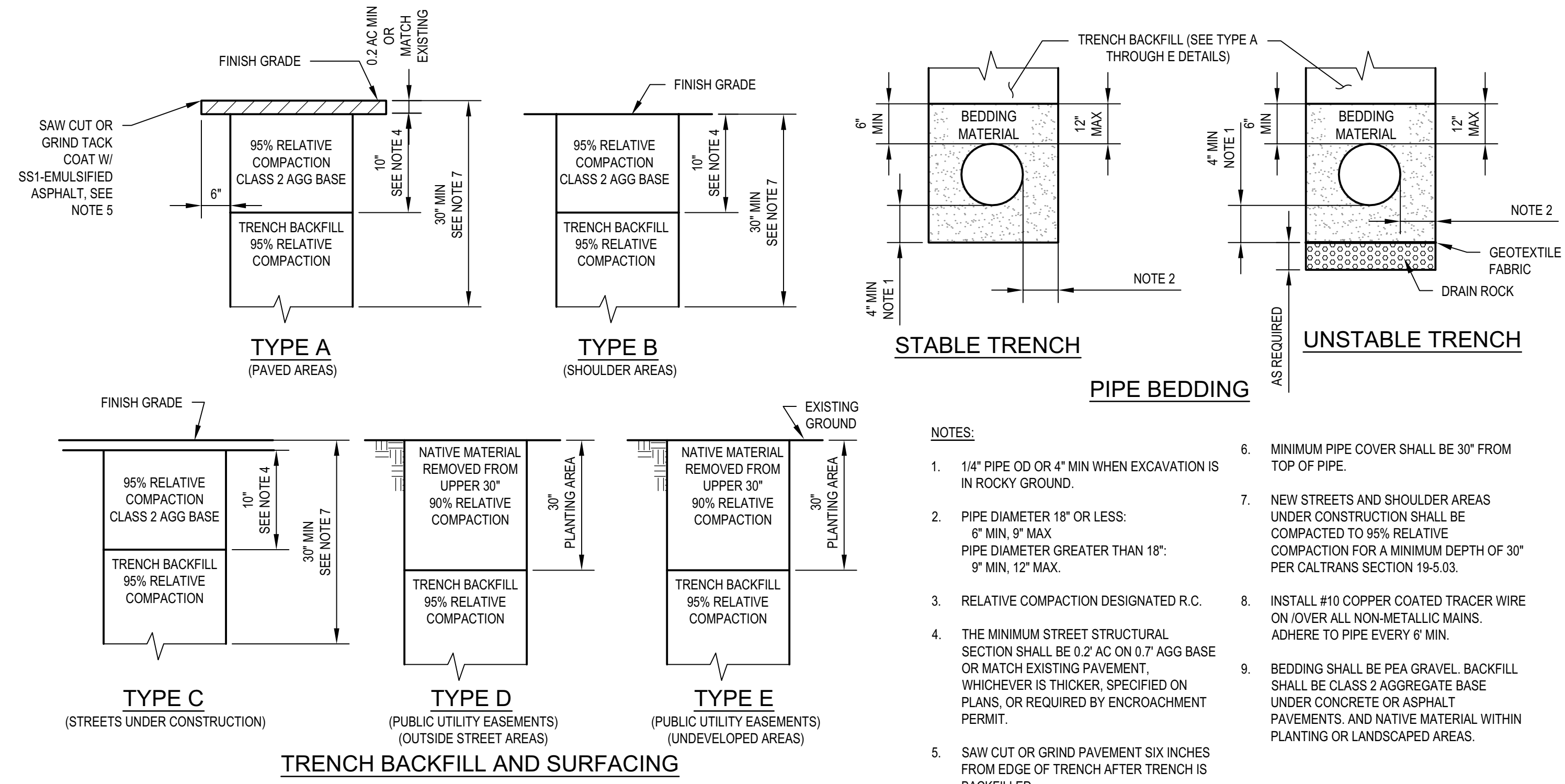
6 TYPICAL WATER SERVICE INSTALLATION DETAIL  
SCALE: NTS



5 TYPICAL SANITARY SEWER LATERAL CONNECTION DETAIL  
SCALE: NTS



4 TYPICAL FIRE SERVICE DOUBLE CHECK DETECTOR ASSEMBLY  
SCALE: NTS



- NOTES:**
1. 1/4" PIPE OD OR 4" MIN WHEN EXCAVATION IS IN ROCKY GROUND.
  2. PIPE DIAMETER 18" OR LESS: 6" MIN, 9" MAX  
PIPE DIAMETER GREATER THAN 18": 9" MIN, 12" MAX.
  3. RELATIVE COMPACTION DESIGNATED R.C.
  4. THE MINIMUM STREET STRUCTURAL SECTION SHALL BE 0.2 AC ON 0.7" AGG BASE OR MATCH EXISTING PAVEMENT WHICHEVER IS THICKER, SPECIFIED ON PLANS, OR REQUIRED BY ENCROACHMENT PERMIT.
  5. SAW CUT OR GRIND PAVEMENT SIX INCHES FROM EDGE OF TRENCH AFTER TRENCH IS BACKFILLED.
  6. MINIMUM PIPE COVER SHALL BE 30" FROM TOP OF PIPE.
  7. NEW STREETS AND SHOULDER AREAS UNDER CONSTRUCTION SHALL BE COMPACTED TO 95% RELATIVE COMPACTION FOR A MINIMUM DEPTH OF 30" PER CALTRANS SECTION 19-S.03.
  8. INSTALL #10 COPPER COATED TRACER WIRE ON OVER ALL NON-METALLIC MAINS. ADHERE TO PIPE EVERY 6" MIN.
  9. BEDDING SHALL BE PEA GRAVEL. BACKFILL SHALL BE CLASS 2 AGGREGATE BASE UNDER CONCRETE OR ASPHALT PAVEMENTS. AND NATIVE MATERIAL WITHIN PLANTING OR LANDSCAPED AREAS.

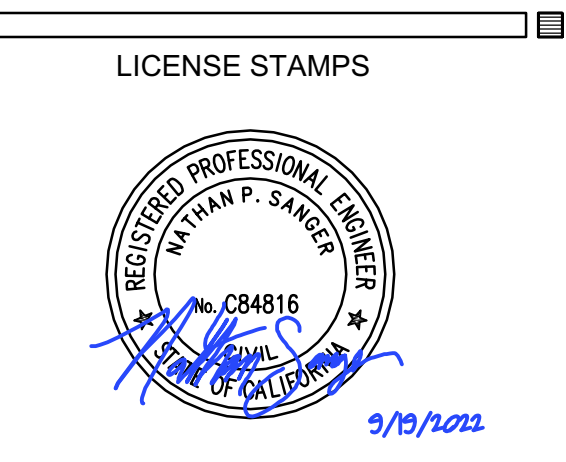
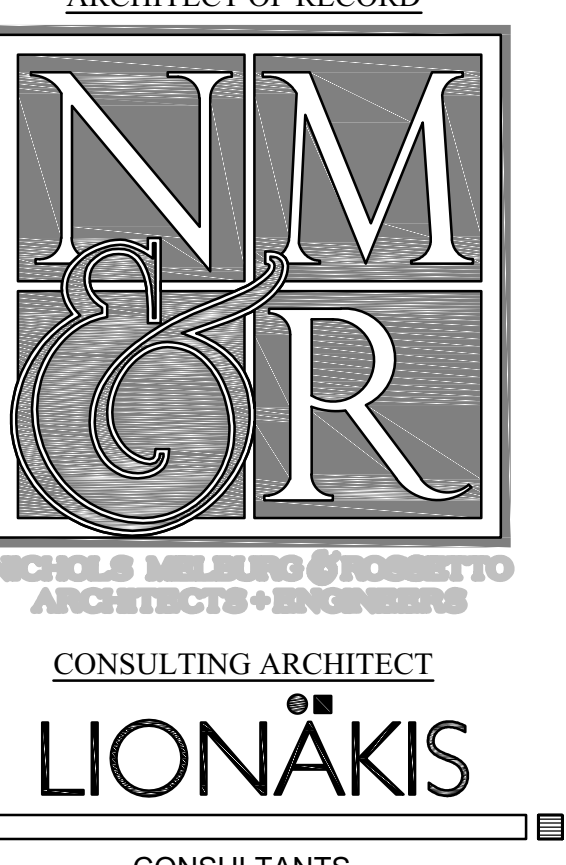
1 TYPICAL TRENCH DETAILS  
SCALE: NTS

Login Name: nsanger  
 Print Date: September 16, 2022 - 4:29 pm  
 Project: 161101118 - HUMBOLDT COUNTY CORRECTIONS  
 User: nsanger



OFFICE OF THE STATE FIRE MARSHAL  
 APPROVED FIRE PLAN ONLY

Approval of this plan book is to authorize or approve any excavation or construction from applicable regulations. Approval is subject to field inspection. Other sets of approved plans shall be available on the project site at all times.



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**CONSTRUCTION  
 DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	N. SANGER
Date Issued	9.19.2022
Scale	VARIES
Project No.	16-6421.00

SHEET No.  
**C505 V2**

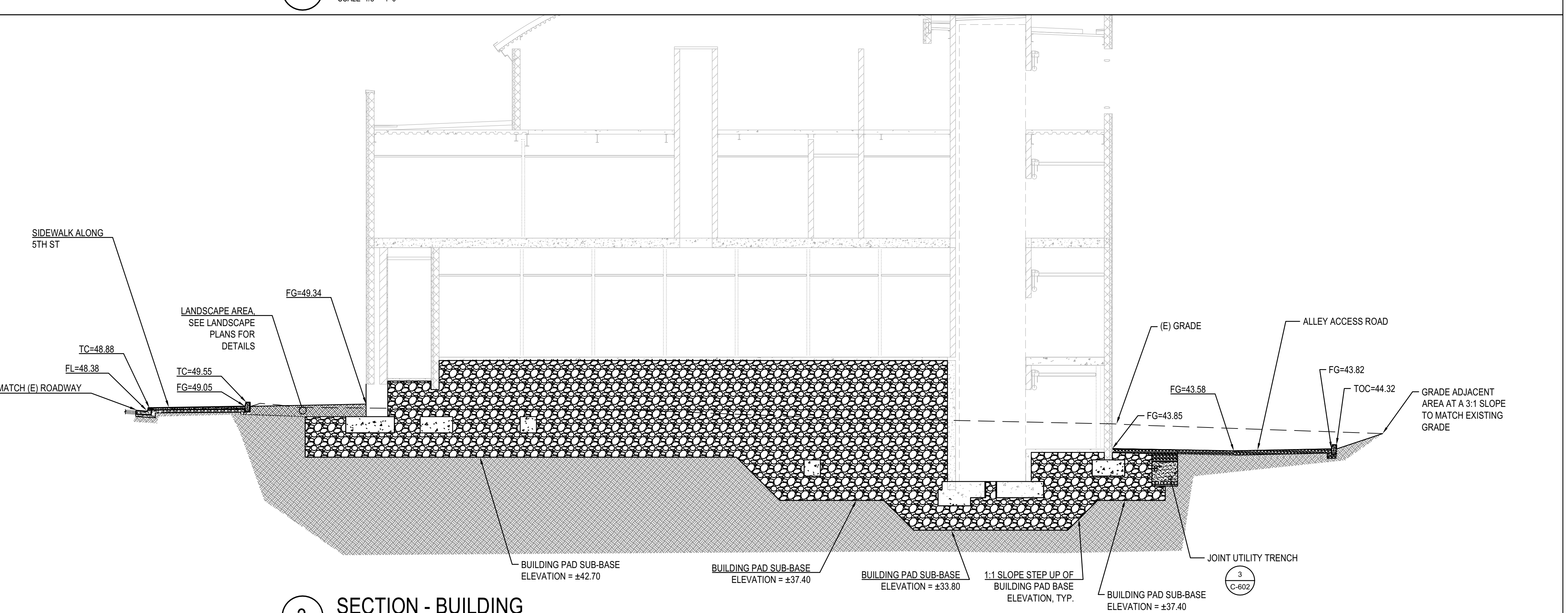
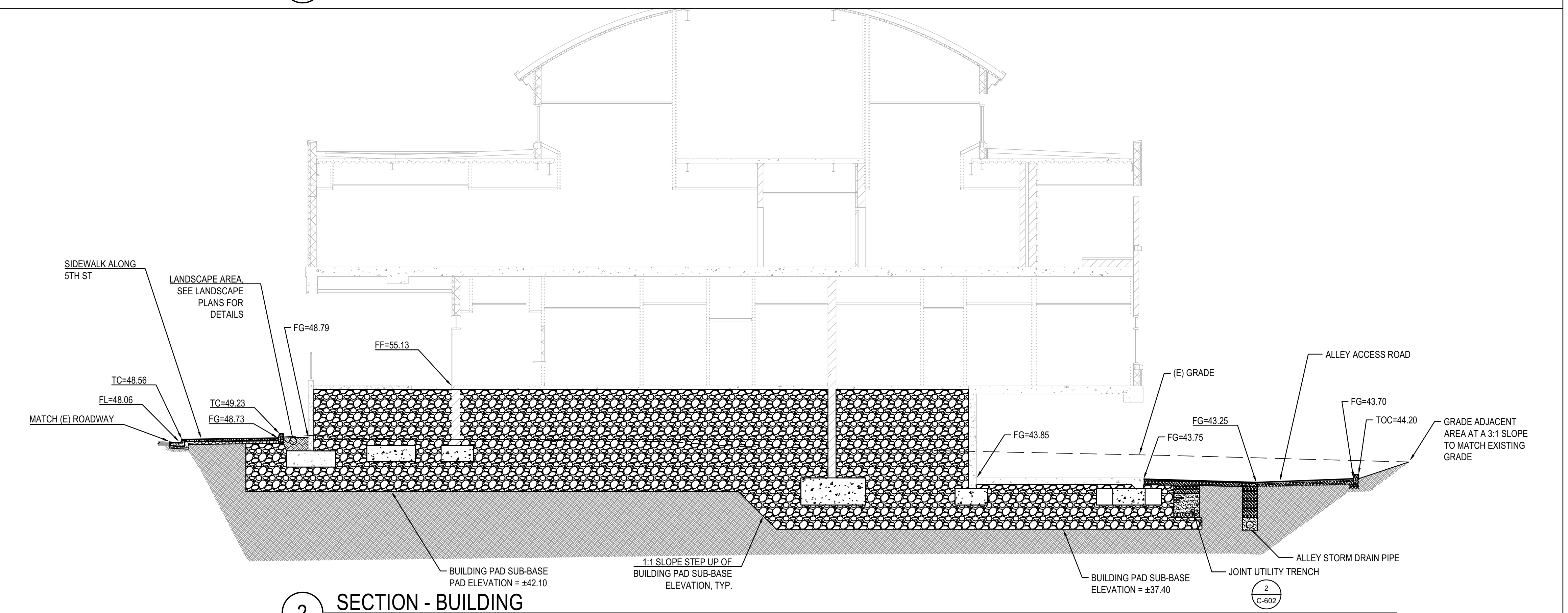
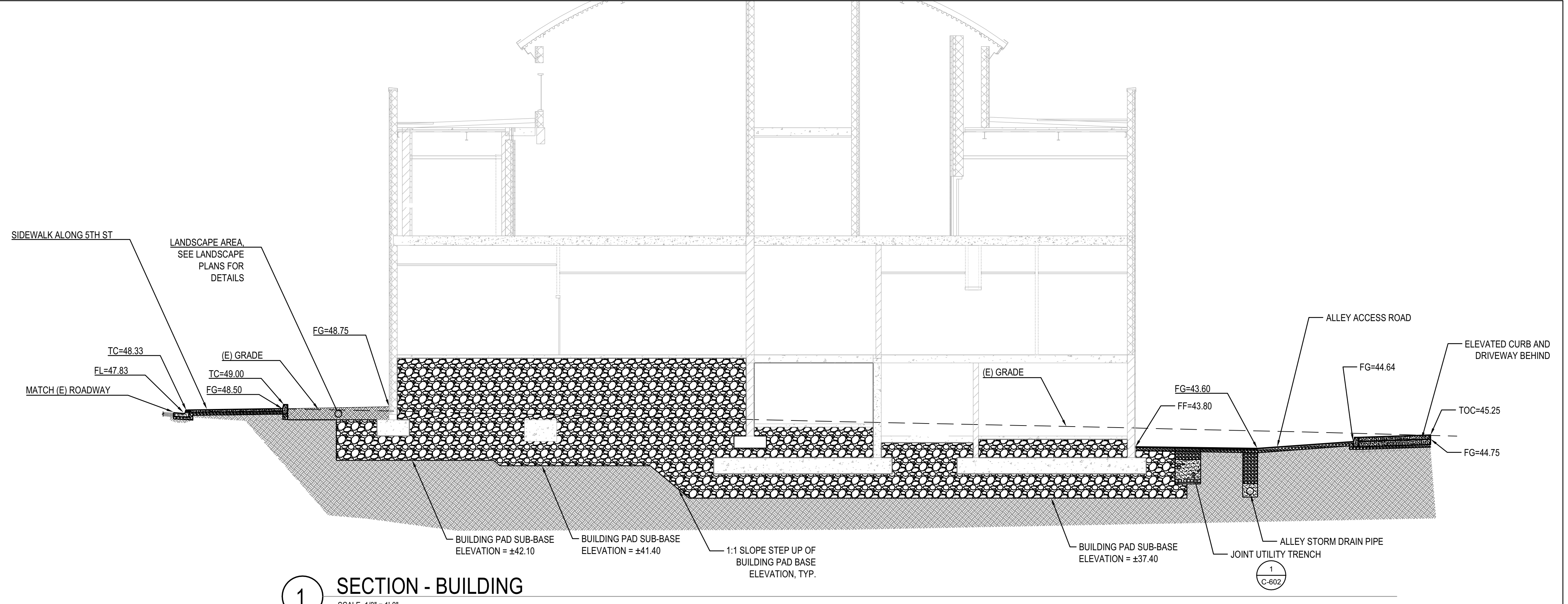
SHEET GENERAL NOTES

- 1. CROSS SECTIONS SHOWN ON THIS SHEET ARE FOR BUILDING PAD SUBGRADE, AND SURROUNDING HARDSCAPE ELEVATION INFORMATION ONLY. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR DETAILED BUILDING PAD INFORMATION WITHIN THE BUILDING FOOTPRINT.
- 2. CONTRACTOR TO POTHOLE PRIOR TO PURCHASING MATERIALS TO DETERMINE THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES. NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED IMPROVEMENTS.
- 3. COORDINATE WATER AND SEWER CONNECTIONS WITH PLUMBER, AND CITY OF EUREKA.
- 4. GAS AND ELECTRICAL DESIGN SHALL BE PER THE UTILITY PROVIDER.
- 5. JOINT UTILITY, ELECTRICAL, GAS, AND COMMUNICATIONS TRENCHES COMPLETED FOR THIS PROJECT MUST BE COMPLETED PER PG&E GREENBOOK STANDARDS. TRENCHES COMPLETED FOR THIS PROJECT WITHIN CITY OF EUREKA STREETS MUST BE COMPLETED IN CONFORMANCE WITH DETAIL 1C-501. ALL OTHER TRENCHES SHALL BE COMPLETED PER DETAIL 1C-505.
- 6. ADJUST TRENCH DEPTH TO AVOID ADJACENT UTILITIES.

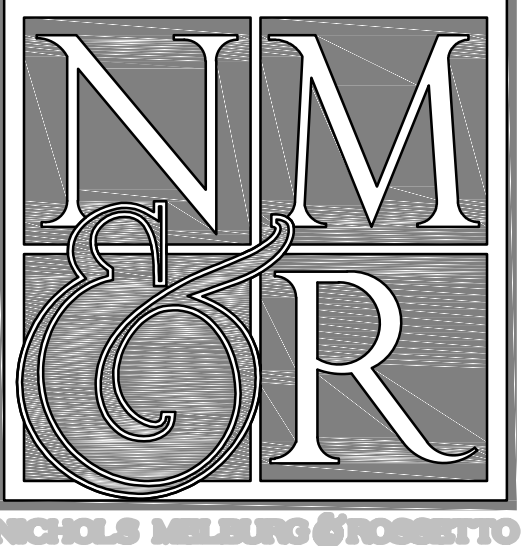
LEGEND

ALL ITEMS IDENTIFIED ON THE PLANS ARE NEW UNLESS INDICATED AS (E) OR EXISTING.

- (E) SUBGRADE
- CONCRETE PAVING
- CLASS 2 AGGREGATE BASE
- ENGINEERED FILL
- TRENCH BEDDING



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

BUILDING SECTIONS

DRAWING STATUS

WORKING DRAWINGS

REVISIONS

Delta	Description	Date

Drawn By N.SANGER  
Date Issued 9.19.2022  
Scale 1/8" = 1'  
Project No. 16-6421.00

SHEET No.  
**C601 V4**



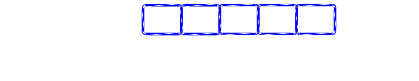




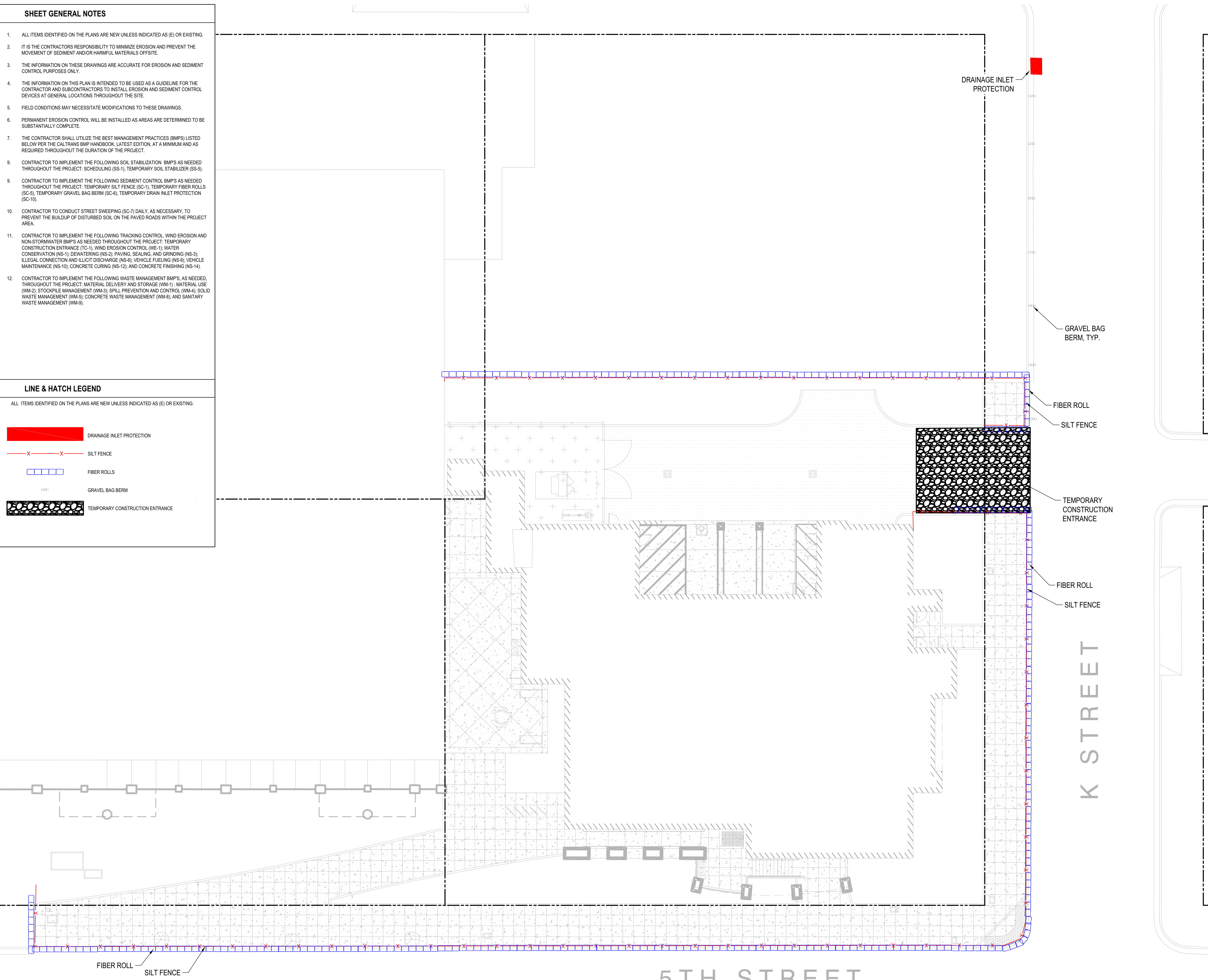
**SHEET GENERAL NOTES**

1. ALL ITEMS IDENTIFIED ON THE PLANS ARE NEW UNLESS INDICATED AS (E) OR EXISTING.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO MINIMIZE EROSION AND PREVENT THE MOVEMENT OF SEDIMENT AND/OR HARMFUL MATERIALS OFFSITE.
3. THE INFORMATION ON THESE DRAWINGS ARE ACCURATE FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY.
4. THE INFORMATION ON THIS PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTORS TO INSTALL EROSION AND SEDIMENT CONTROL DEVICES AT GENERAL LOCATIONS THROUGHOUT THE SITE.
5. FIELD CONDITIONS MAY NECESSITATE MODIFICATIONS TO THESE DRAWINGS.
6. PERMANENT EROSION CONTROL WILL BE INSTALLED AS AREAS ARE DETERMINED TO BE SUBSTANTIALLY COMPLETE.
7. THE CONTRACTOR SHALL UTILIZE THE BEST MANAGEMENT PRACTICES (BMPs) LISTED BELOW PER THE CALTRANS BMP HANDBOOK, LATEST EDITION, AT A MINIMUM AND AS REQUIRED THROUGHOUT THE DURATION OF THE PROJECT.
9. CONTRACTOR TO IMPLEMENT THE FOLLOWING SOIL STABILIZATION BMPs AS NEEDED THROUGHOUT THE PROJECT: SCHEDULING (SS-1), TEMPORARY SOIL STABILIZER (SS-5).
9. CONTRACTOR TO IMPLEMENT THE FOLLOWING SEDIMENT CONTROL BMPs AS NEEDED THROUGHOUT THE PROJECT: TEMPORARY SILT FENCE (SC-1), TEMPORARY FIBER ROLLS (SC-5), TEMPORARY GRAVEL BAG BERM (SC-6), TEMPORARY DRAIN INLET PROTECTION (SC-10).
10. CONTRACTOR TO CONDUCT STREET SWEEPING (SC-7) DAILY, AS NECESSARY, TO PREVENT THE BUILDUP OF DISTURBED SOIL ON THE PAVED ROADS WITHIN THE PROJECT AREA.
11. CONTRACTOR TO IMPLEMENT THE FOLLOWING TRACKING CONTROL, WIND EROSION AND NON-STORMWATER BMPs AS NEEDED THROUGHOUT THE PROJECT: TEMPORARY CONSTRUCTION ENTRANCE (TC-1), WIND EROSION CONTROL (WE-1), WATER CONSERVATION (NS-1), DEWATERING (NS-2), PAVING, SEALING, AND GRINDING (NS-3), ILLEGAL CONNECTION AND ILLICIT DISCHARGE (NS-6), VEHICLE FUELING (NS-9), VEHICLE MAINTENANCE (NS-10), CONCRETE CURING (NS-12), AND CONCRETE FINISHING (NS-14).
12. CONTRACTOR TO IMPLEMENT THE FOLLOWING WASTE MANAGEMENT BMPs, AS NEEDED, THROUGHOUT THE PROJECT: MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), CONCRETE WASTE MANAGEMENT (WM-8), AND SANITARY WASTE MANAGEMENT (WM-9).

**LINE & HATCH LEGEND**

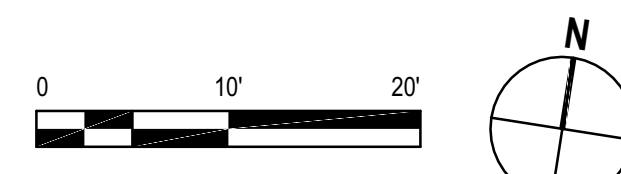
ALL ITEMS IDENTIFIED ON THE PLANS ARE NEW UNLESS INDICATED AS (E) OR EXISTING.

-  DRAINAGE INLET PROTECTION
-  SILT FENCE
-  FIBER ROLLS
-  GRAVEL BAG BERM
-  TEMPORARY CONSTRUCTION ENTRANCE

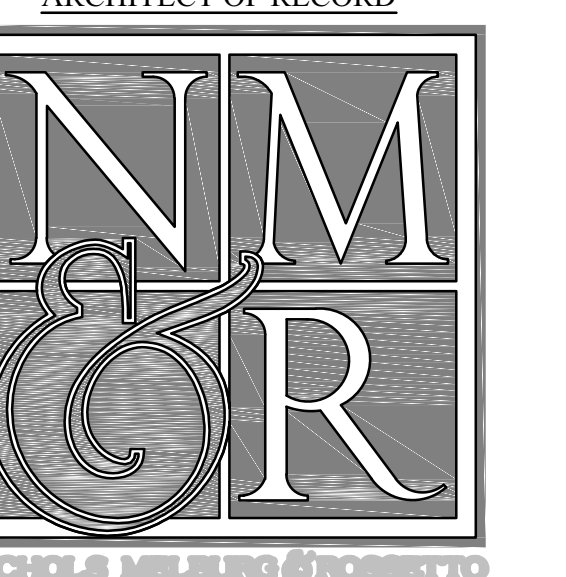


**EROSION AND SEDIMENT CONTROL PLANS**

SCALE: AS SHOWN



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**LICENSE STAMPS**



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**EROSION AND SEDIMENT  
 CONTROL PLAN**

DRAWING STATUS  
**WORKING DRAWINGS**

**REVISIONS**

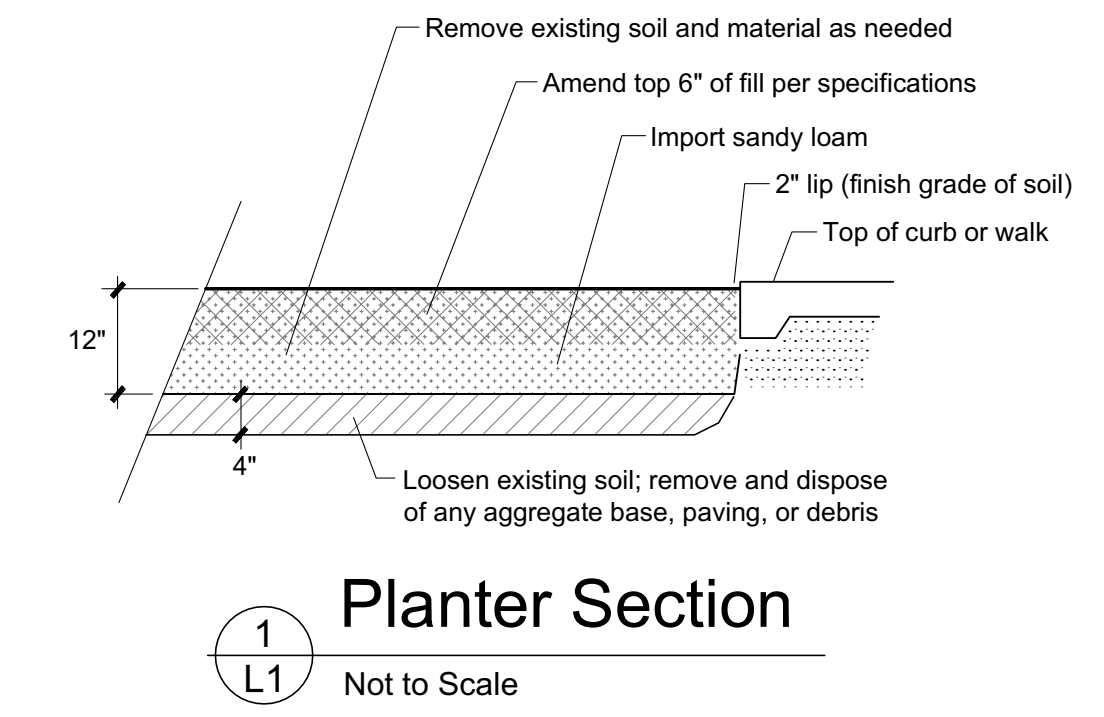
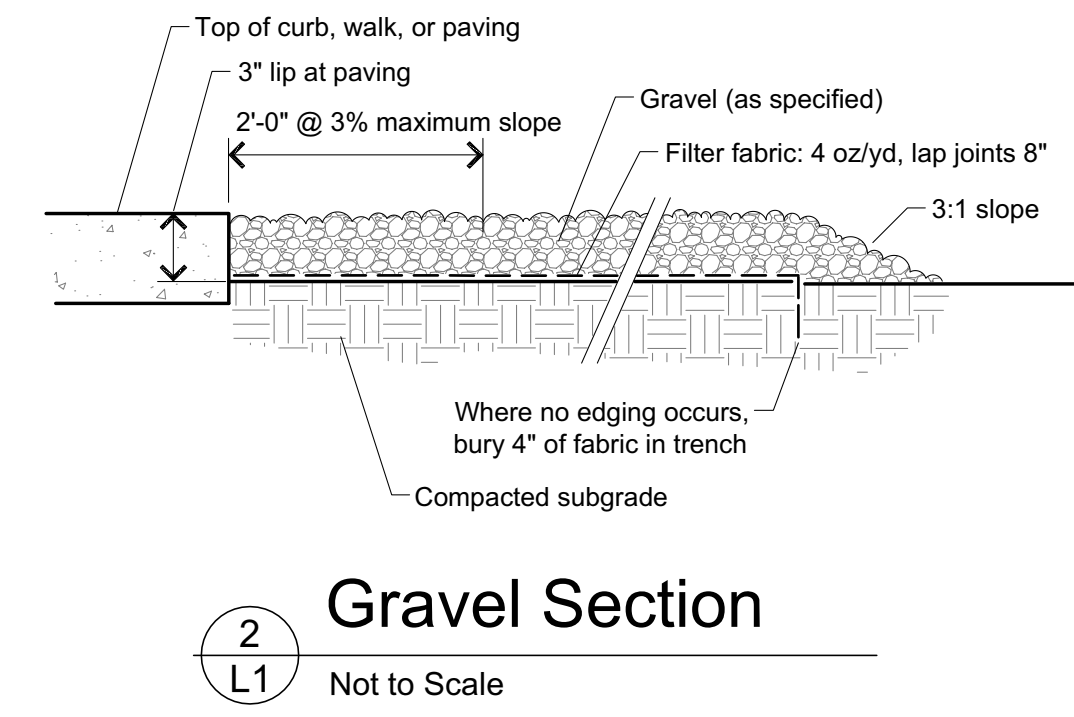
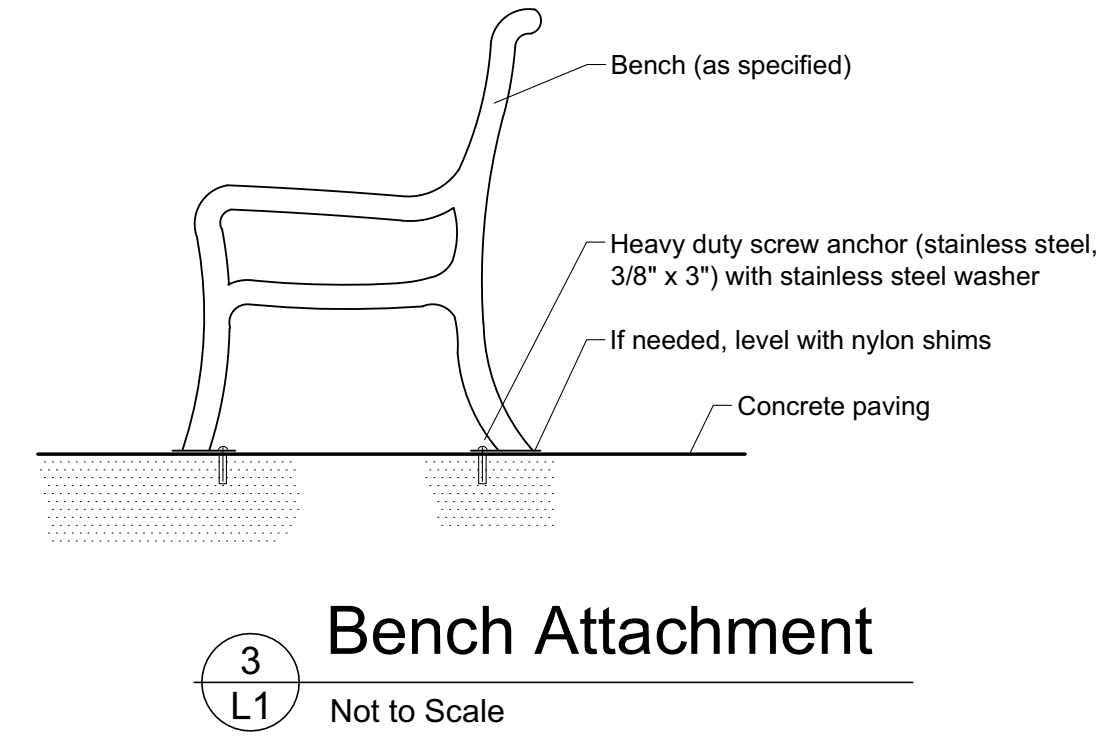
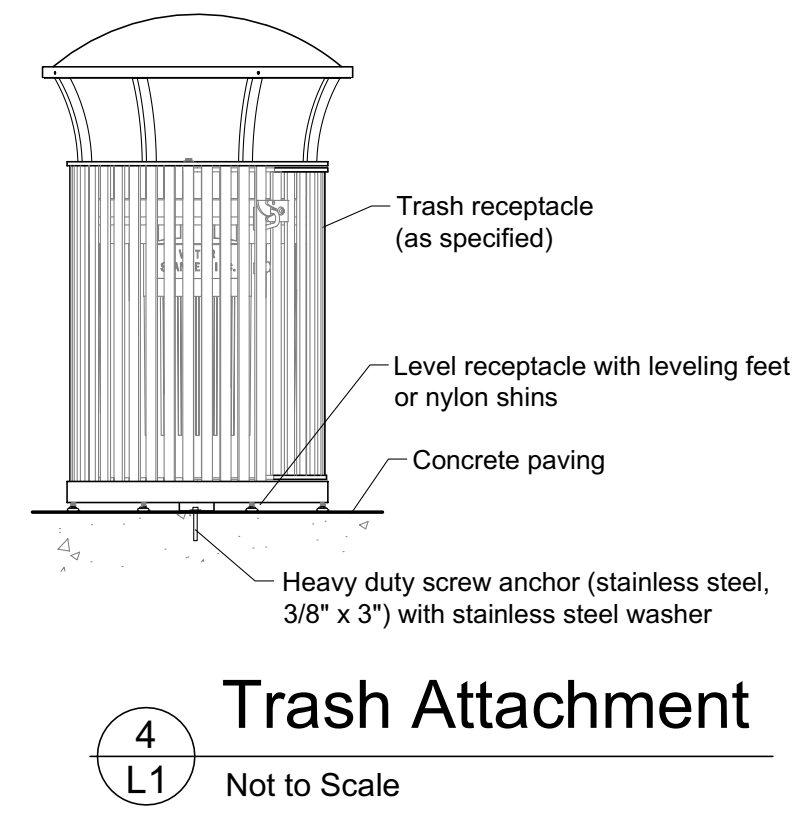
Delta	Description	Date

Drawn By	C. PROVON SANGER
Date Issued	9.19.2022
Scale	1" = 10'-0"
Project No.	16-6421.00

SHEET No.  
**C700 V4**

LogIn Name: nsanger  
 Print Date: September 16, 2022 4:30 pm  
 Project: HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER  
 User: NICHOLS MELBURG & ROSETTO ARCHITECTS + ENGINEERS

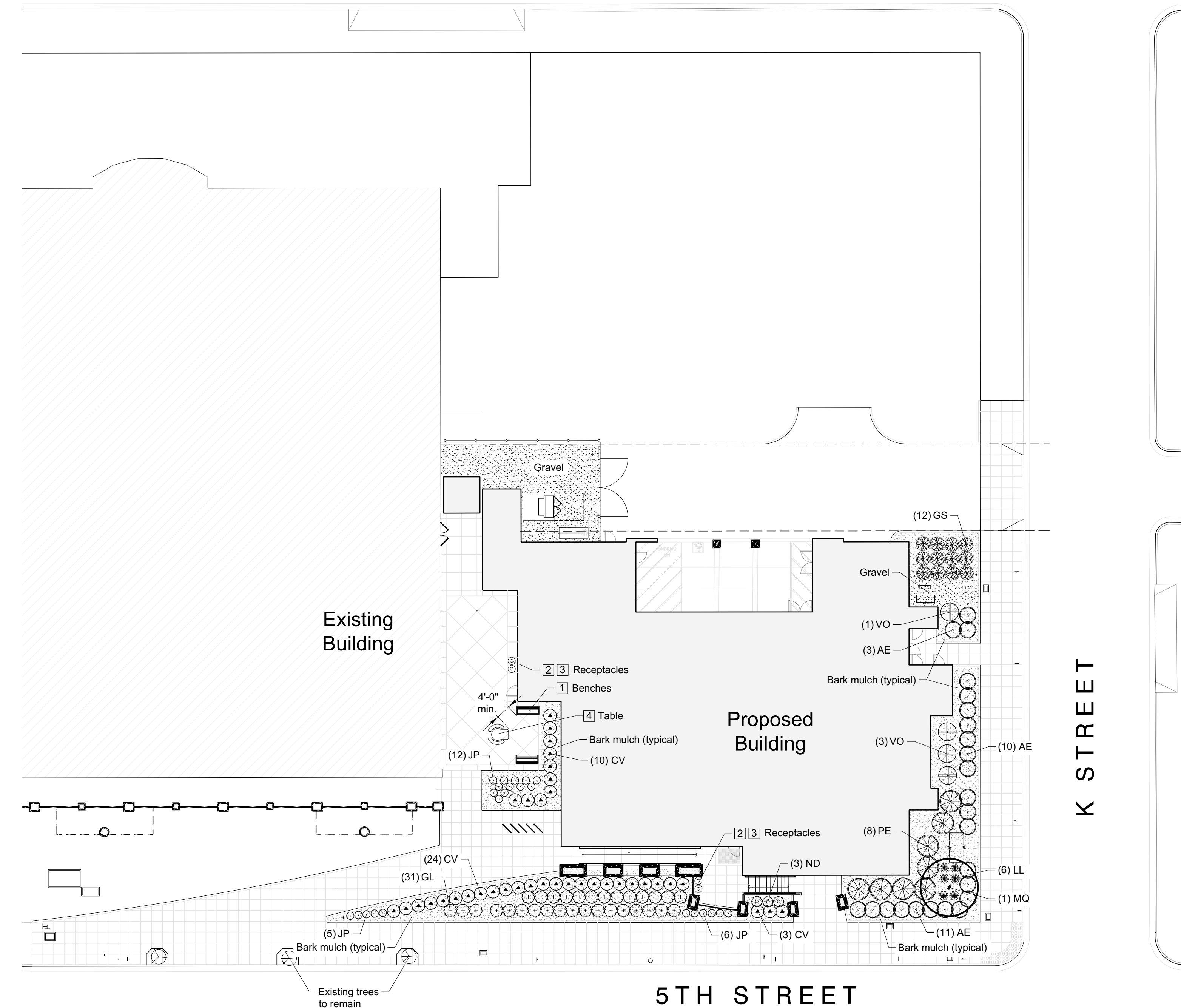




KEY	QTY	DESCRIPTION	MAKE / MODEL	COLOR	FINISH	REMARKS
[1]	2	6' bench with back (steel/aluminum, perforated)	Wabash Valley, Model CY420P	black	powder coat	see 3/L1, free-standing
[2]	2	Trash receptacle with side door (perforated steel)	Wabash Valley, Model LR305P	black	plastic coated	see 4/L1, surface mount
[3]	2	Trash receptacle with side door (perforated steel)	Wabash Valley, Model LR305P	blue	plastic coated	see 4/L1, surface mount
[4]	2	Trash receptacle liner (polyethylene)	Wabash Valley, Model LR310N	black		
	2	Dome lid with self closing flap (fiberglass)	Wabash Valley, Model DT100N	black		with attachment cable
	2	Recycle dome lid with recycle label (plastic)	Wabash Valley, Model DT101N	black		with attachment cable
[4]	1	Picnic table (concrete, round, accessible)	Outdoor Creations, Inc. #106ACE	sandstone	acid wash	

CODE	QTY	CONT	BOTANICAL NAME	COMMON NAME	SIZE (HxW)	REMARKS
AE	24	5 gal	Arctostaphylos x 'Emerald Carpet'	Manzanita	1.5' x 5'	
CV	37	5 gal	Callistemon viminalis 'Little John'	Dwarf Weeping Bottlebrush	3.5' x 3.5'	
GS	12	1 gal	Gaultheria shallon	Salal	3' x 4'	
GL	31	1 gal	Grevillea lanigera 'Mt. Tamboritha'	Mt. Tamboritha Woolly Grevillea	2' x 5'	
JP	23	1 gal	Juncus patens	California Gray Rush	2' x 2'	
LL	6	1 gal	Lomandra longifolia 'LM300'	Breeze Dwarf Mat Rush	2' x 3'	
MQ	1	15 gal	Melaleuca quinquenervia	Cajeput Tree	25' x 16'	multi trunk
ND	3	5 gal	Nandina domestica 'Gulf Stream'	Heavenly Bamboo	4' x 3'	
PE	8	5 gal	Phormium x 'Evening Glow'	New Zealand Flax	3.5' x 5'	
VO	4	5 gal	Vaccinium ovatum	Evergreen Huckleberry	5' x 5'	
QTY		TOP DRESSING				
2,970 sf		Bark ("Walk on Bark") - 3" deep over pre-emergent herbicide				
900 sf		Gravel (3/4" clean, crushed stone) - 3" deep over filter fabric (4 oz/yd)				

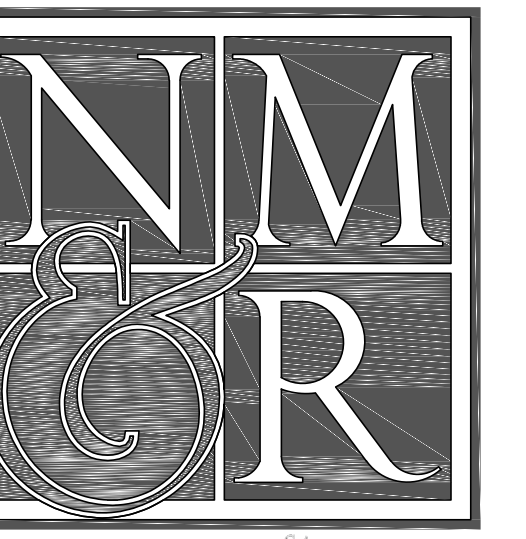
All plants shall be installed a minimum of 30" from the edge of paving.



**Planting Plan**  
1" = 20'



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CONSULTING ARCHITECT



CONSULTANTS

**Michael Lander ASLA**  
Landscape Architecture

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20270 Lupine Drive  
Redding, California 96002  
(530) 223-2488

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
828 5th STREET  
EUREKA, CA 95501

SHEET TITLE

**PLANTING PLAN  
SITE FURNISHING**

DRAWING STATUS

**WORKING DRAWINGS**

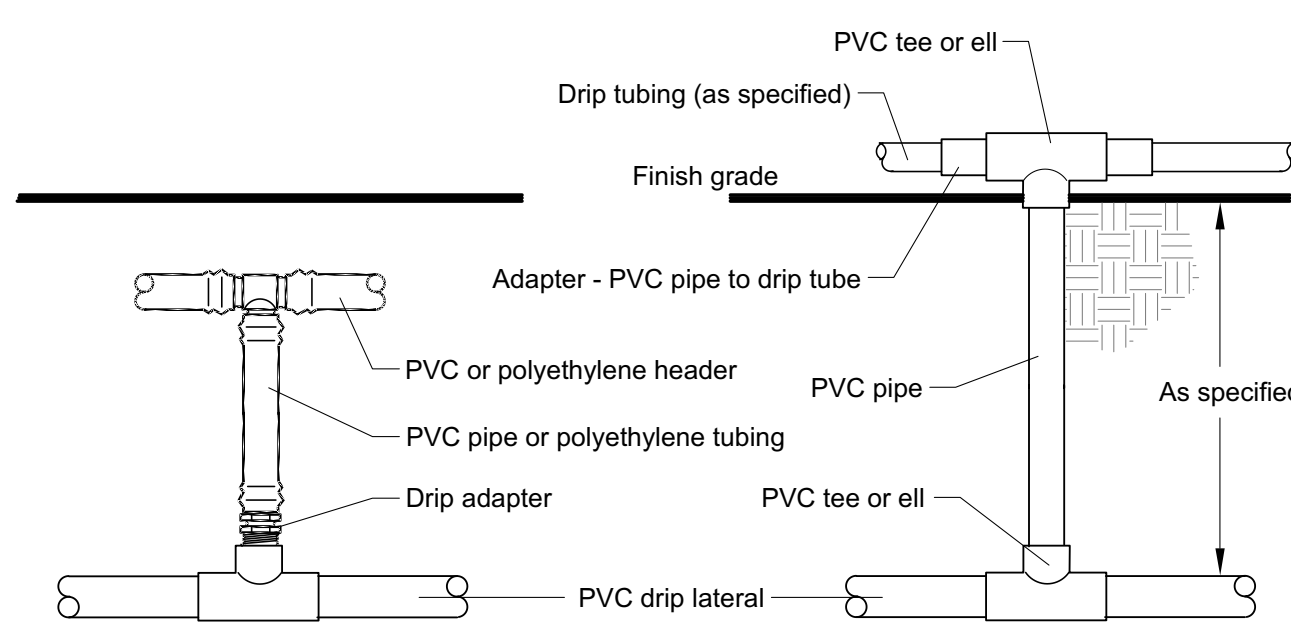
REVISIONS

Delta	Description	Date

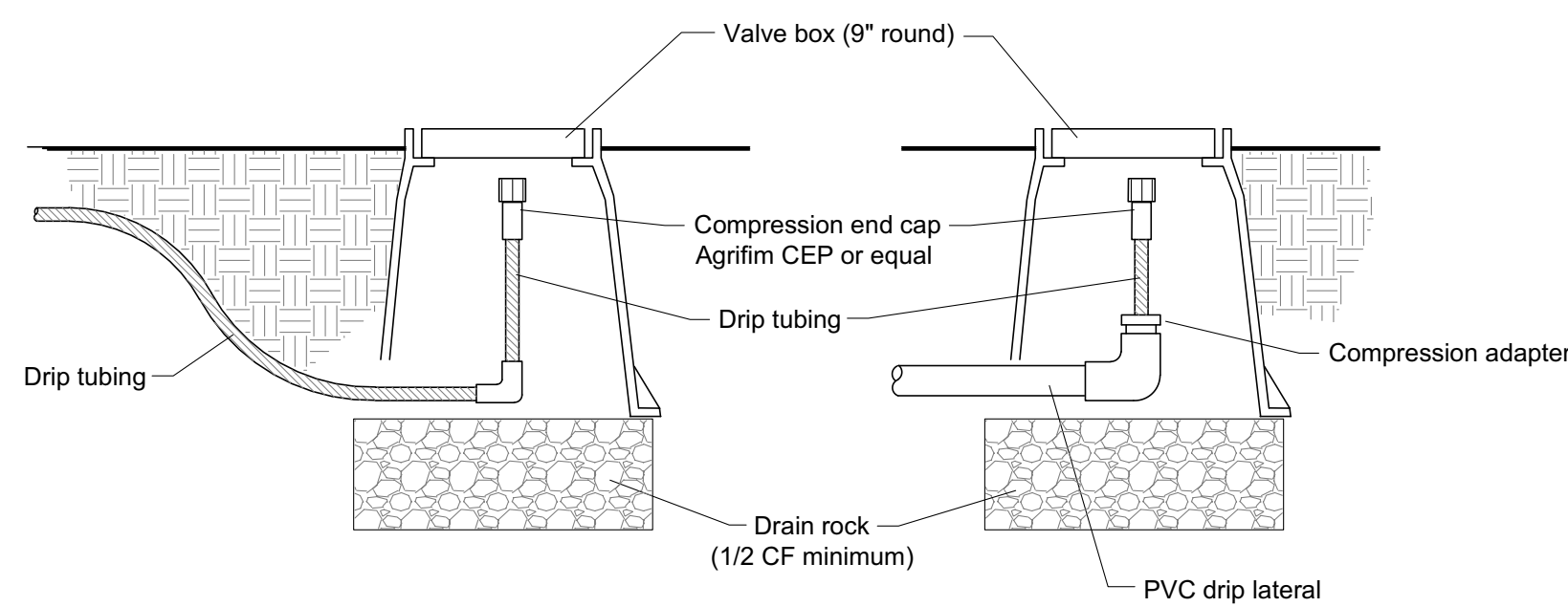
Drawn By	ML
Date Issued	09.19.2022
Scale	1" = 20'
Project No.	16-6421.00

SHEET No.

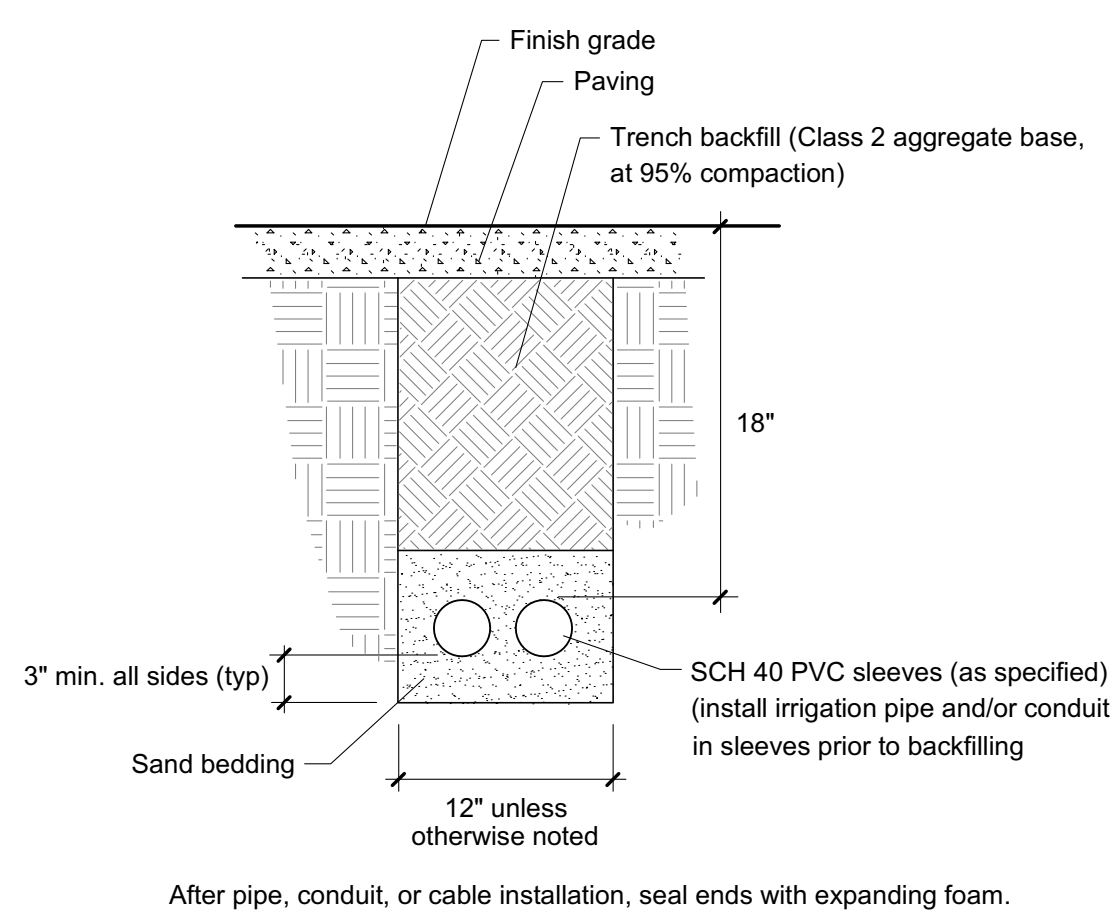
**L1 V4**



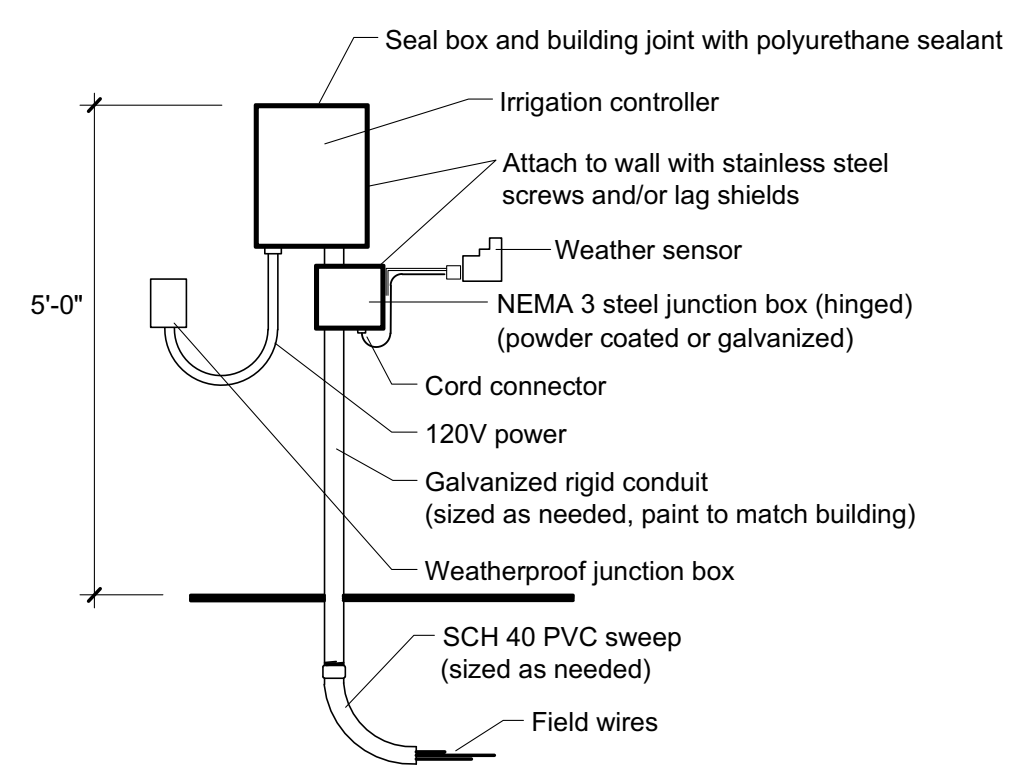
6 L2 Drip Connection  
Not to Scale



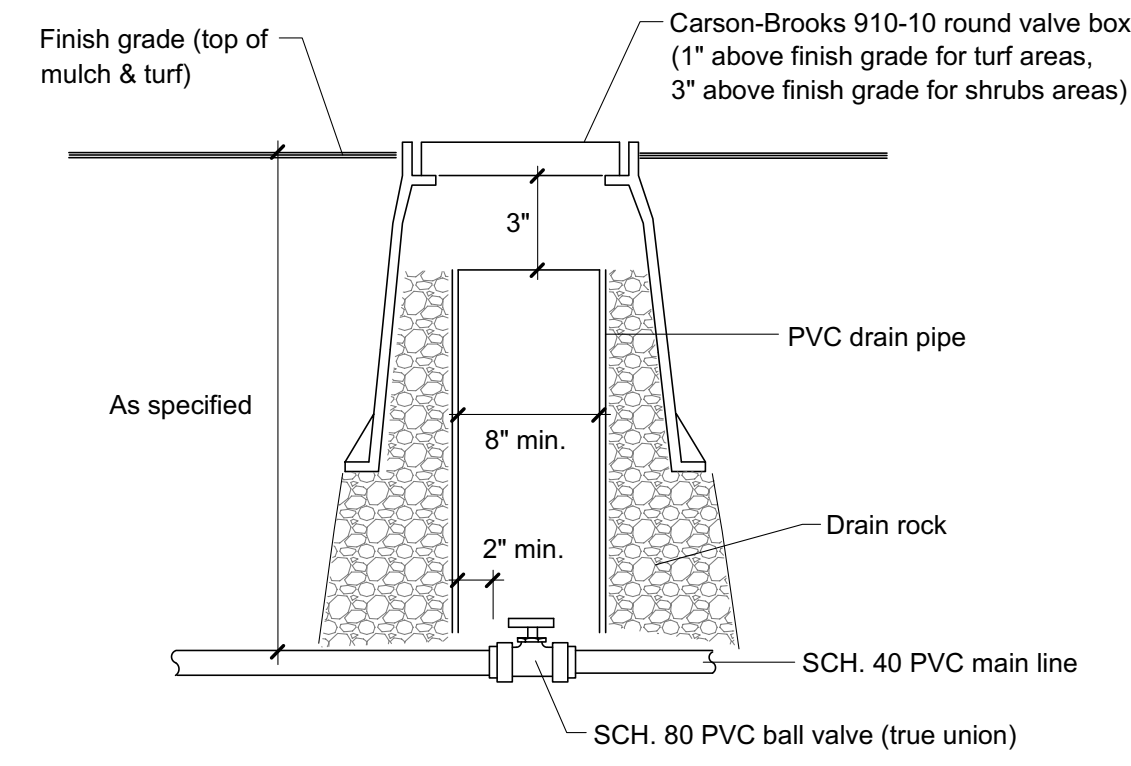
7 L2 Drip Flush  
Not to Scale



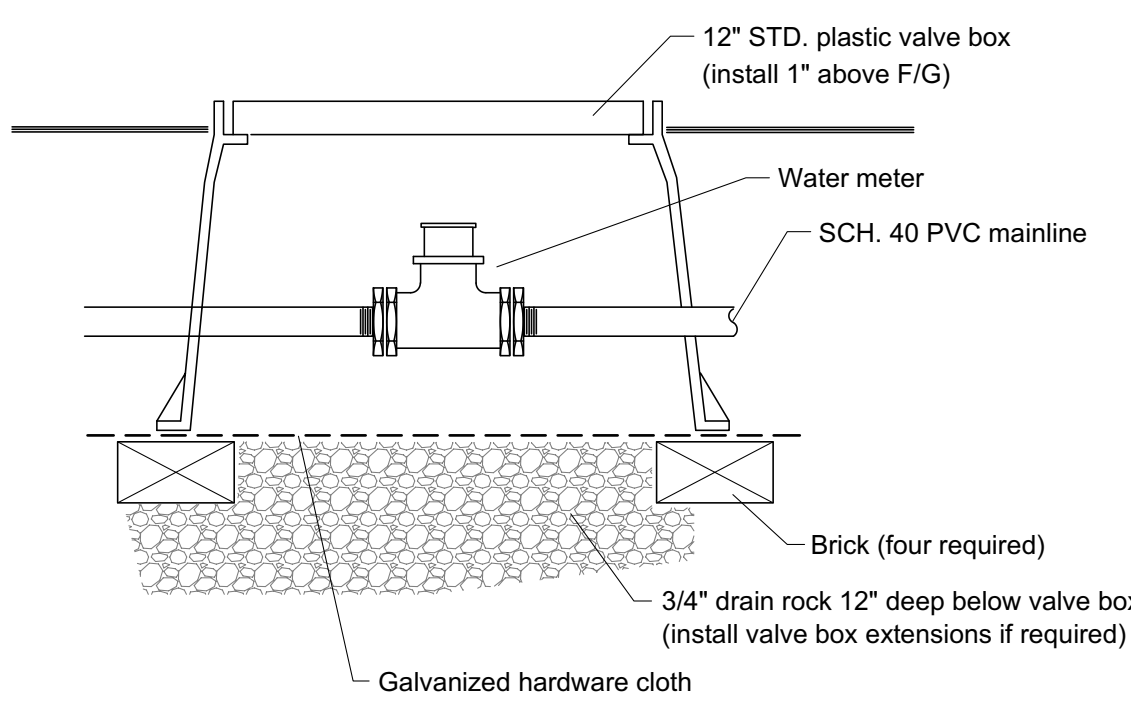
8 L2 Sleeve  
Not to Scale



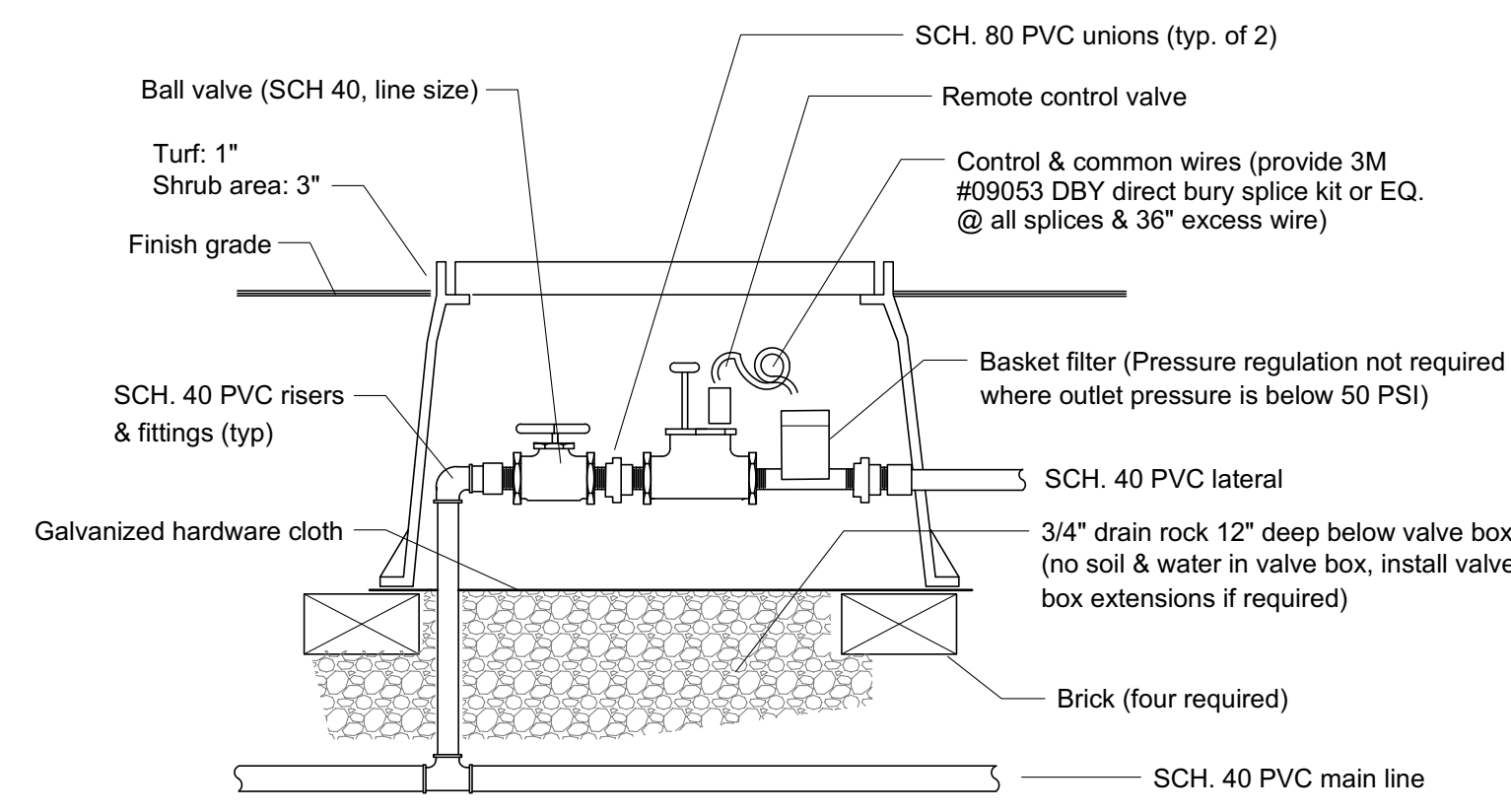
9 L2 Irrigation Controller and Sensor  
Not to Scale



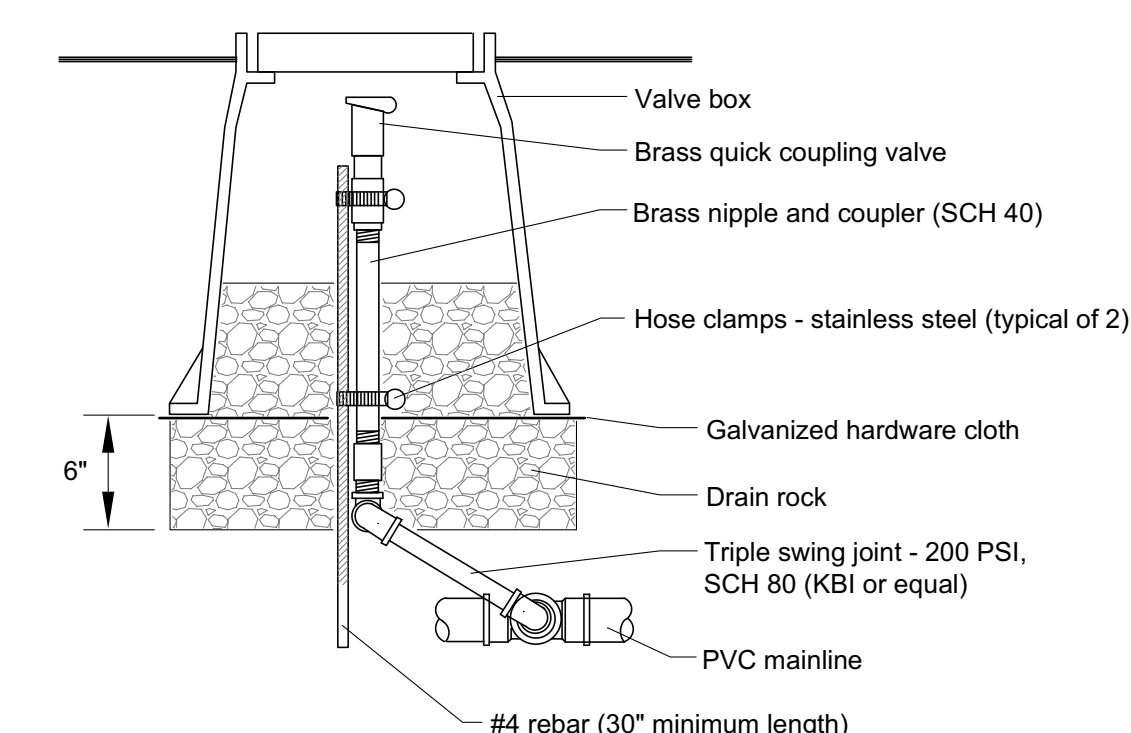
1 L2 Ball Valve  
Not to Scale



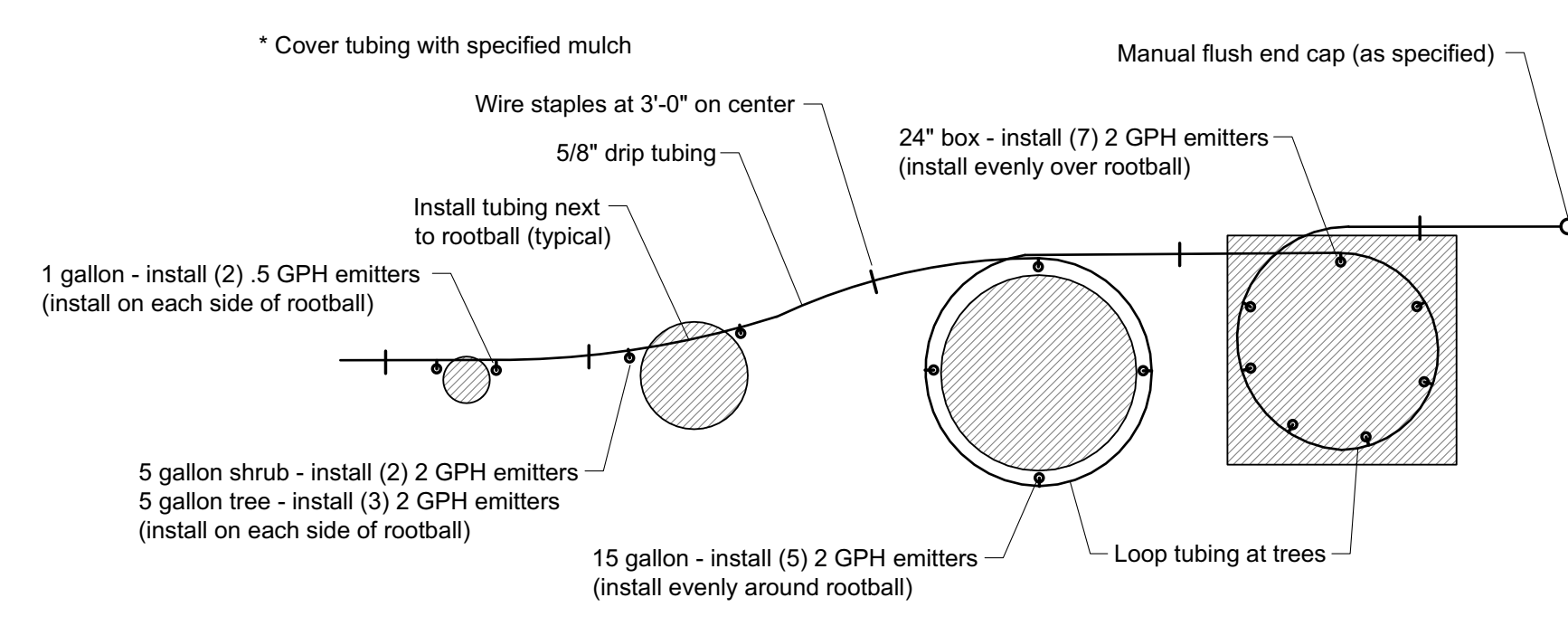
2 L2 Water Meter (Irrigation)  
Not to Scale



3 L2 Valve Assembly  
Not to Scale



4 L2 Quick Coupler Valve  
Not to Scale



5 L2 Surface Drip Layout  
Not to Scale

Irrigation Schedule

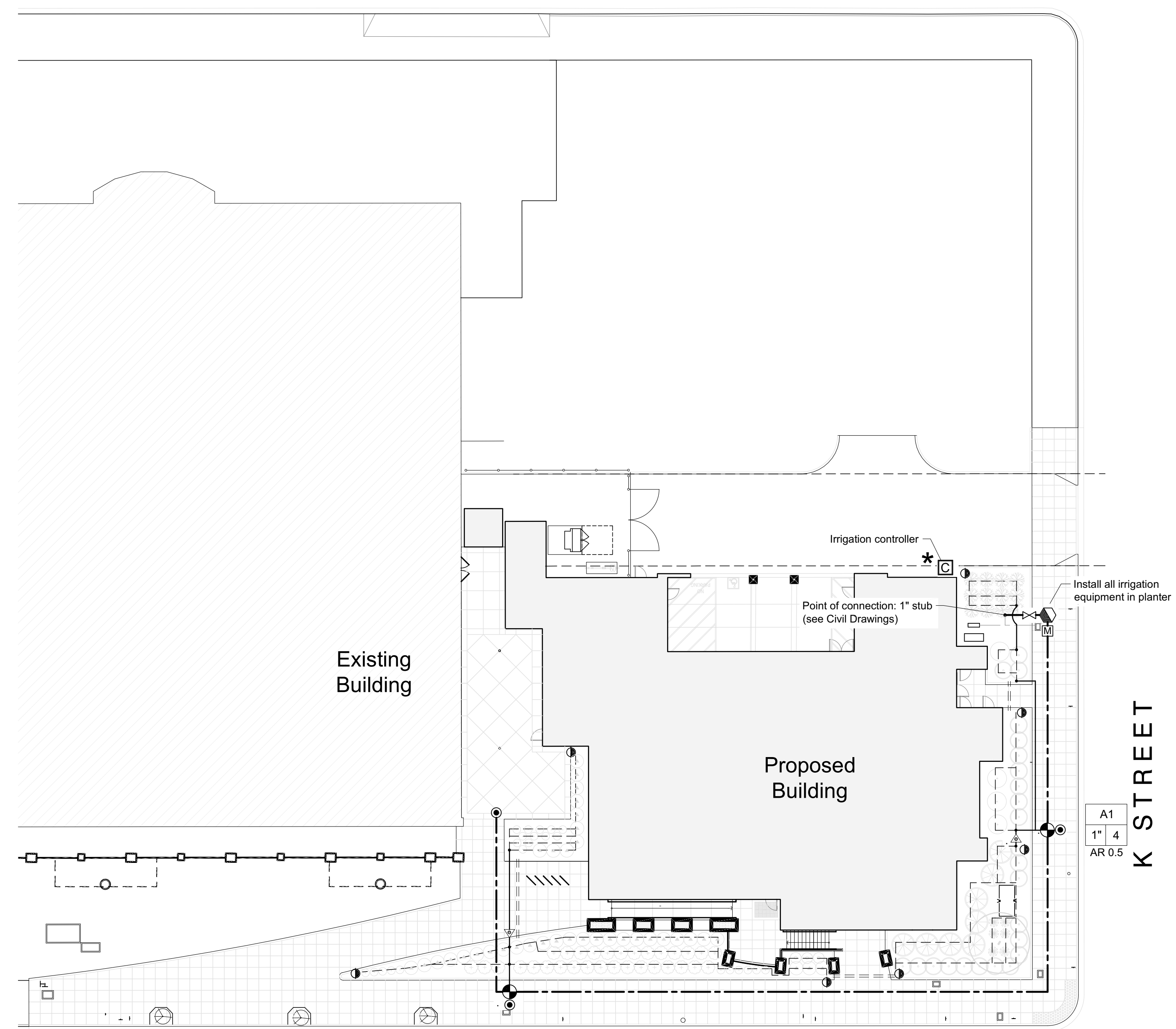
Symbol	Description	Make/Model	Remarks
⊗	1" Ball valve (SCH 80 PVC)		see 1/L2
⊙	1" Reduced pressure assembly w/ steel enclosure		City of Eureka Standard Detail W-51 and W-52
⊠	5/8" Water meter (irrigation sub meter)	Rainbird FM0625B or approved equal	see 2/L2
⊕	Drip valve assembly - SCH 40 ball valve, 1" electric valve, 1" pressure regulating basket filter (200 mesh, 40 psi outlet)	Rainbird 100-PEB valve, PRB-100 filter or equal	see 3/L2, pressure regulation not required if outlet pressure is less than 50 PSI
⊗	3/4" Quick coupler valve with locking cover & swivel key	Rainbird 3-RC with 33K key & SH-1 swivel	see 4/L2
⊕	5/8" Drip tubing and pressure compensating emitters	Rainbird XBS polyethylene tubing and XB-5PC & XB-20PC emitters (or equal)	see 5/L2 and Emitter Schedule below
⊕	3/4" PVC spring check valve - 1/2 pound spring tension	NDS 1001-07	install in 9" plastic valve box
⊕	PVC to drip tubing adapter		see 6/L2
⊕	Flush cap		see 7/L2, install at ends of tubing
⊕	Mainline-Schedule 40 PVC Pipe		1" if not sized on plan
⊕	Lateral-Schedule 40 PVC Pipe		3/4" if not sized on plan
⊕	3" Sleeve - PVC Pipe		see 8/L2, install two sleeves at each location
⊕	Irrigation Controller - plastic outdoor case, weather based, 4 stations	Hunter XC-400 controller or approved equal	see 9/L2, ground per manufacturer recommendations, verify location
⊕	Weather sensor (wired)	Hunter SOLAR-SYNC-SEN sensor	see 9/L2, mount receiver on outside of junction box

Irrigation plan is diagrammatic. Install all irrigation components in landscape areas.

Emitter Schedule

15 gallon	(5) 2.0 GPH Emitters
5 gallon	(2) 2.0 GPH Emitter
1 gallon	(2) 0.5 GPH Emitter

A3	Program/Station number
1" 5	GPM
AR 0.7	Application rate (inches per hour)



A2  
1" 5  
AR 0.5

5TH STREET

K STREET

Irrigation Plan

1" = 20'



Approval of this plan book for authorize or approve any construction or installation from applicable regulations. Approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.



CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS

Michael Lander ASLA  
Landscape Architecture  
RLA 2399  
20270 Lupine Drive  
Redding, California 96002  
(530) 223-2488

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

**IRRIGATION PLAN**

DRAWING STATUS

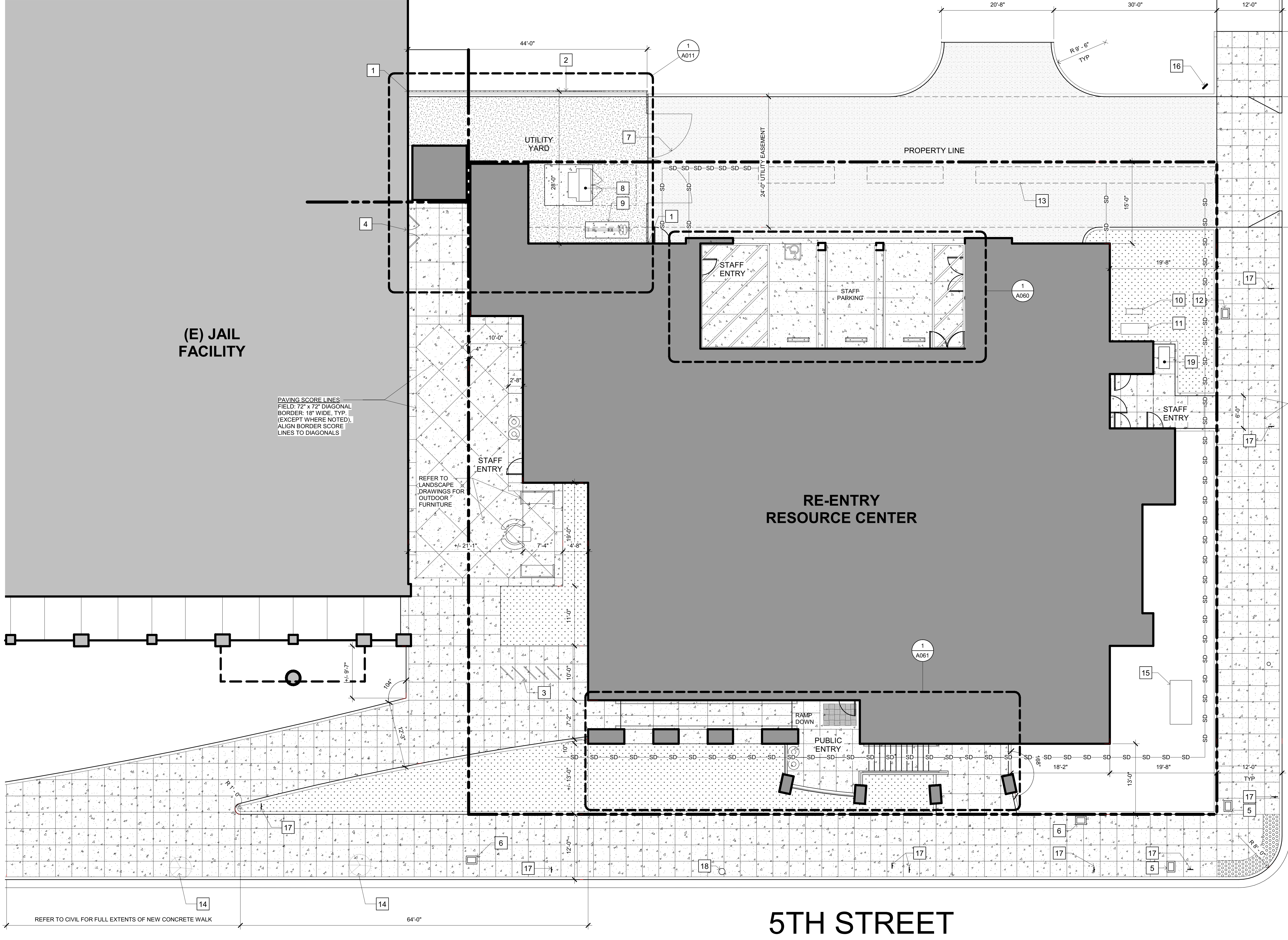
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By: ML  
Date Issued: 09.19.2022  
Scale: 1" = 20'  
Project No.: 16-6421.00

SHEET No.  
**L2 V4**



**SITE PLAN SHEETS NOTES**

- 1 ORNAMENTAL FENCE FOOTING AT BUILDING TYP. SEE 6/A060
- 2 ORNAMENTAL FENCE 14/A060
- 3 BIKE RACK 12/A060
- 4 (E) PAIR OF DOORS TO REMAIN
- 5 CALTRANS TRAFFIC BOX
- 6 EXISTING ACCESS BOX, FLUSH WITH SIDEWALK
- 7 16'-0" WIDE VEHICLE GATE, WROUGHT IRON 11/A060
- 8 TRANSFORMER
- 9 GAS METER
- 10 DOMESTIC WATER BACKFLOW PREVENTER
- 11 FIRE SERVICE DOUBLE CHECK ASSEMBLY & FDC
- 12 WATER METER
- 13 3' DIAMETER SUBSURFACE DRAINAGE PIPE
- 14 TREE WELL AROUND EXISTING TREE 16/A060
- 15 UNDERGROUND GREASE INCEPTOR
- 16 TOW AWAY SIGN & POST 4/A060
- 17 EXISTING SIGNAGE, TO REMAIN
- 18 EXISTING ELECTRICAL POLE
- 19 REMOTE FUEL FILL STATION, SEE DETAIL 2/P501

**GENERAL NOTES**

1. EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE DOCUMENTS WERE OBTAINED FROM CONSTRUCTION DOCUMENTS AND SITE SURVEY INFORMATION PROVIDED BY OTHERS AND IDENTIFIED FEATURES SHOWN IN GENERAL KNOWN AREAS UTILITIES, STRUCTURES, UNDERGROUND FEATURES, IDENTIFIED POINTS OF CONNECTION, AND NOTED TERMS "VERIFY" OR "FIELD VERIFY" ARE AN AID FOR CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE TO POTHOLE AND EXPOSE THESE FACILITIES PRIOR TO THE START OF ACTUAL CONSTRUCTION ONCE EXPOSED. CONTRACTOR SHALL VERIFY THAT THE HORIZONTAL AND VERTICAL ALIGNMENTS, MEASUREMENTS, ETC., ARE IN SUBSTANTIAL CONFORMANCE WITH THE DOCUMENTS. IN THE EVENT THAT THE IDENTIFIED FACILITIES ARE NOT IN SUBSTANTIAL CONFORMANCE, WRITTEN AUTHORIZED DIRECTION SHALL BE PROVIDED PRIOR TO FURTHER CONSTRUCTION ACTIVITIES. THE FOLLOWING IS A PARTIAL LIST OF ITEMS/FEATURE TO BE VERIFIED:
  - A. ALL STORM DRAINAGE CONNECTION POINTS
  - B. ALL SANITARY SEWER CONNECTION POINTS
  - C. ALL WATER CONNECTION POINTS
  - D. ALL GAS CONNECTION POINTS
  - E. ALL EXISTING ELECTRICAL CONDUITS, SERVICE POINTS.
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6. PROVIDE SAFEGUARDS FOR CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS TO PROVIDE REASONABLE SAFETY TO LIFE AND PROPERTY FROM FIRE DURING SUCH OPERATIONS PER COMPLIANCE WITH FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION IN ACCORDANCE WITH 2019 CALIFORNIA FIRE CODE (GFC) CHAPTER 33, TITLE 19, DIVISION 1, CALIFORNIA CODE OF REGULATIONS (CCR).

**SITE PLAN LEGEND**

	PROPERTY LINE - PROJECT BOUNDARY
	CONCRETE PAVING
	LANDSCAPE AREA
	ASPHALT CONCRETE
	GRAVEL O/ FILTER FABRIC
	ORNAMENTAL FENCING
	PATH OF TRAVEL

OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY

Approval of this plan book is to authorize or approve any construction or installation from applicable regulations. This approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

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ARCHITECT OF RECORD

NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT

LIONAKIS  
CONSULTANTS

LICENSE STAMPS

PROJECT NAME

**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

OVERALL SITE PLAN

DRAWING STATUS

WORKING DRAWINGS

REVISIONS

Delta	Description	Date

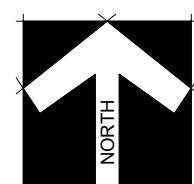
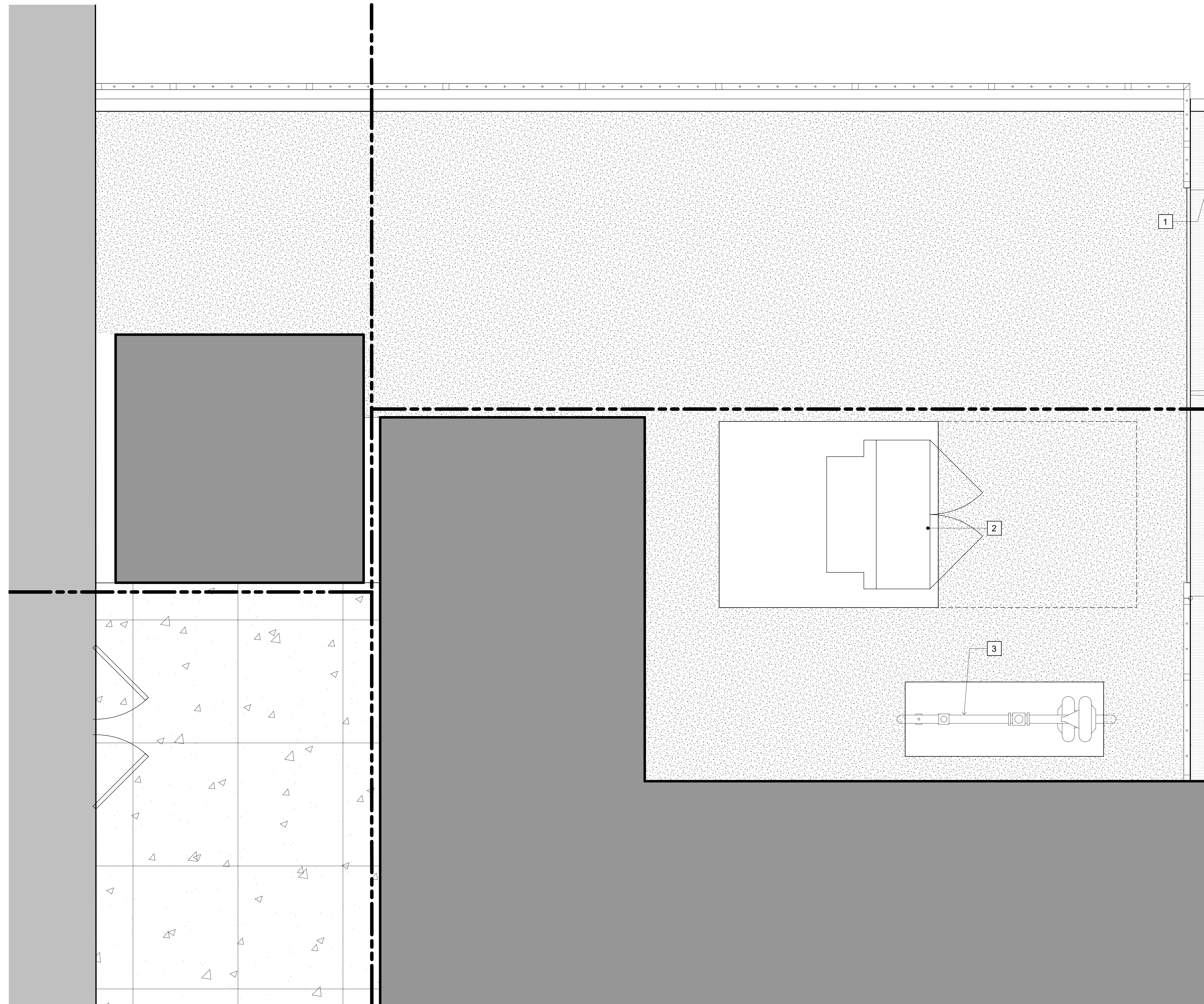
Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A010 V4**

**OVERALL SITE PLAN**  
SCALE: 1/8" = 1'-0"

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Plot Date: 02/02/2022 1:30:21 PM  
 Name: 0111 150-Informant Co. Connections Re-Entry Resource Ctr\_A\_MCR-RE-Entry.rvt



## ENLARGED SITE - UTILITY YARD

SCALE: 1/2" = 1'-0"

### SITE PLAN SHEETS NOTES

- 1 16'-0" WIDE VEHICLE GATE, WROUGHT IRON
- 2 TRANSFORMER
- 3 GAS METER

### GENERAL NOTES

1. EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE DOCUMENTS WERE OBTAINED FROM CONSTRUCTION DOCUMENTS AND SITE SURVEY INFORMATION PROVIDED BY OTHERS AND IDENTIFIED FEATURES SHOWN IN GENERAL KNOWN AREAS UTILITIES, STRUCTURES, UNDERGROUND FEATURES, IDENTIFIED POINTS OF CONNECTION, AND NOTED TERMS "VERIFY" OR "FIELD VERIFY" ARE AN AID FOR CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE TO POTHOLE AND EXPOSE THESE FACILITIES PRIOR TO THE START OF ACTUAL CONSTRUCTION. ONCE EXPOSED, CONTRACTOR SHALL VERIFY THAT THE HORIZONTAL AND VERTICAL ALIGNMENTS, MEASUREMENTS, ETC., ARE IN SUBSTANTIAL CONFORMANCE WITH THE DOCUMENTS. IN THE EVENT THAT THE IDENTIFIED FACILITIES ARE NOT IN SUBSTANTIAL CONFORMANCE, WRITTEN AUTHORIZED DIRECTION SHALL BE PROVIDED PRIOR TO FURTHER CONSTRUCTION ACTIVITIES. THE FOLLOWING IS A PARTIAL LIST OF ITEMS/FEATURE TO BE VERIFIED:
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  - D. ALL GAS CONNECTION POINTS
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### SITE PLAN LEGEND

	PROPERTY LINE - PROJECT BOUNDARY
	CONCRETE PAVING
	LANDSCAPE AREA
	ORNAMENTAL FENCING

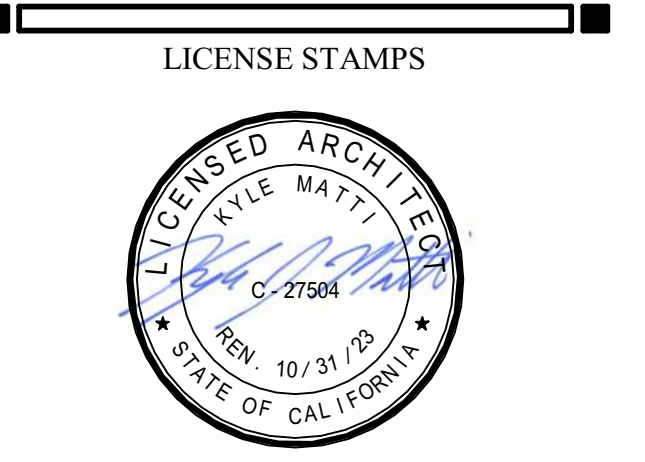


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ARCHITECT OF RECORD

**NICHOLS MELBURG & ROSSETTO**  
 ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT

**LIONAKIS**  
 CONSULTANTS



PROJECT NAME

**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE

**ENLARGED SITE PLAN -  
 UTILITY YARD**

DRAWING STATUS

**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	CDS
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.

**A011 V4**

**SITE PLAN SHEETS NOTES**

- 1 CONCRETE FOUNDATION FOOTING
- 2 CONCRETE COLUMN
- 3 4" PVC VERTICAL VENTILATION STACK, VENTS TO OUTSIDE AT METAL ROOF
- 4 6" PVC VERTICAL VENTILATION STACK, VENTS TO OUTSIDE AT METAL ROOF
- 5 4" PERFORATED PIPE FIELD
- 6 PERF. PIPE, VERTICAL CONNECTION BETWEEN PIPE FIELDS



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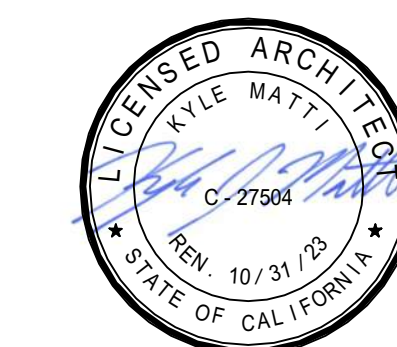
ARCHITECT OF RECORD

NICHOLS MELBURG & ROSSETTO  
 ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT  
**LIONAKIS**  
 CONSULTANTS

**GENERAL NOTES**

1. SEE STRUCTURAL DETAILS FOR PIPE POSITION ADJACENT TO FLOOR SLABS AND FOOTINGS.
2. SEE STRUCTURAL DETAILS FOR TYPICAL PIPE PENETRATION CONDITIONS.
3. REFER TO MANUFACTURER'S DETAILS & SPECIFICATIONS FOR ANY CONDITIONS NOT SHOWN.

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SUB-SLAB VENTING PLAN**

DRAWING STATUS

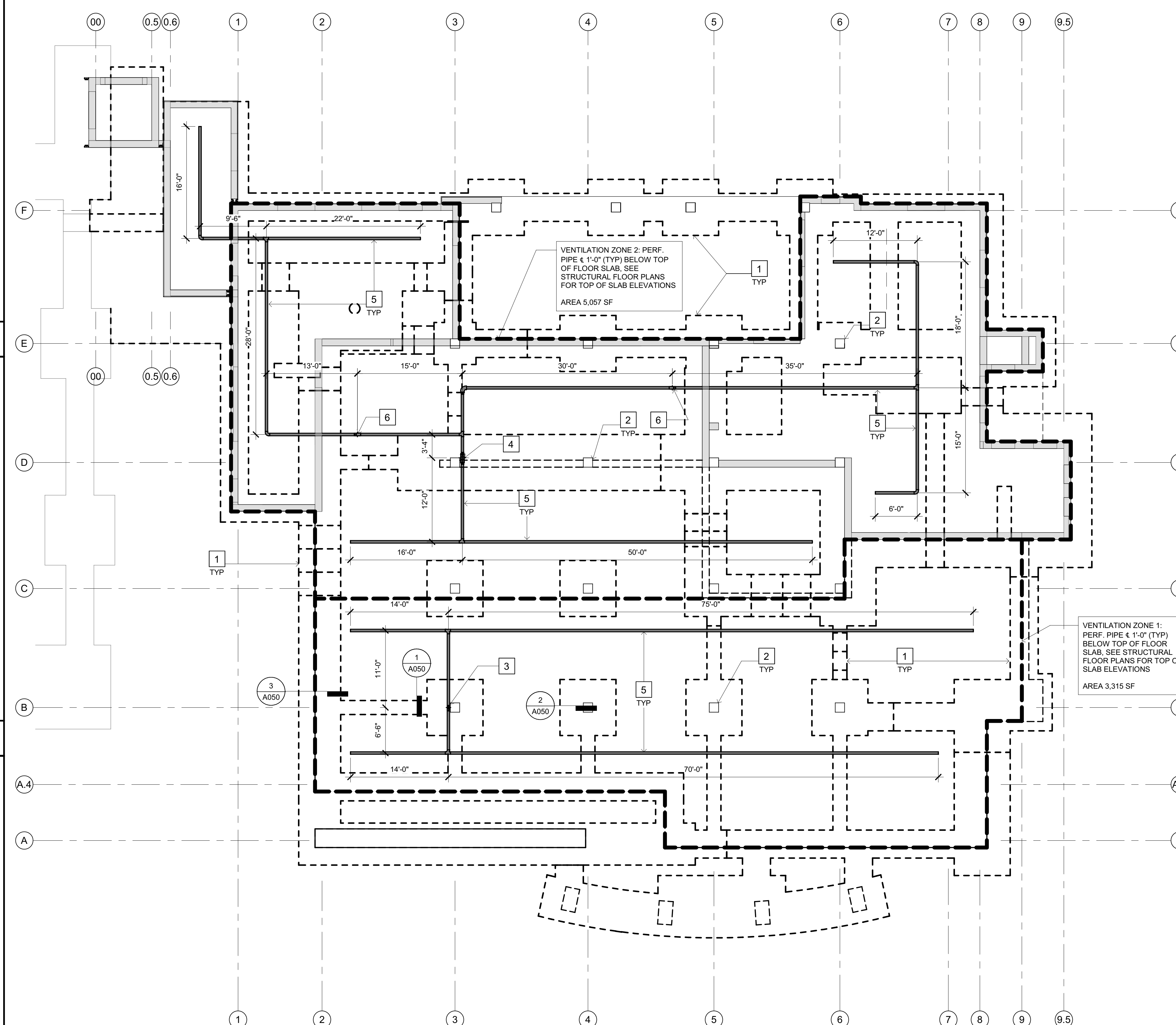
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

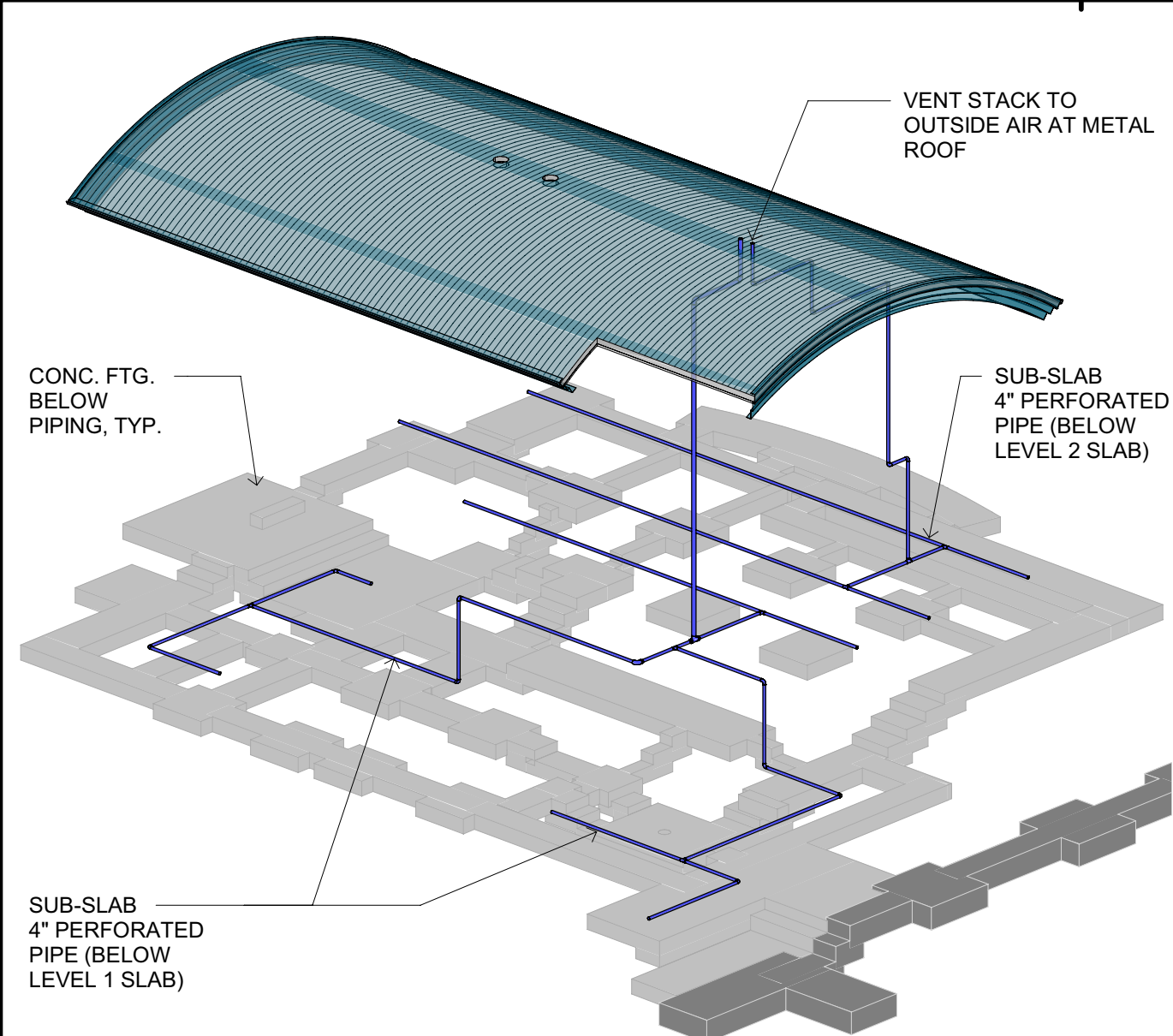
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Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A050 V4**



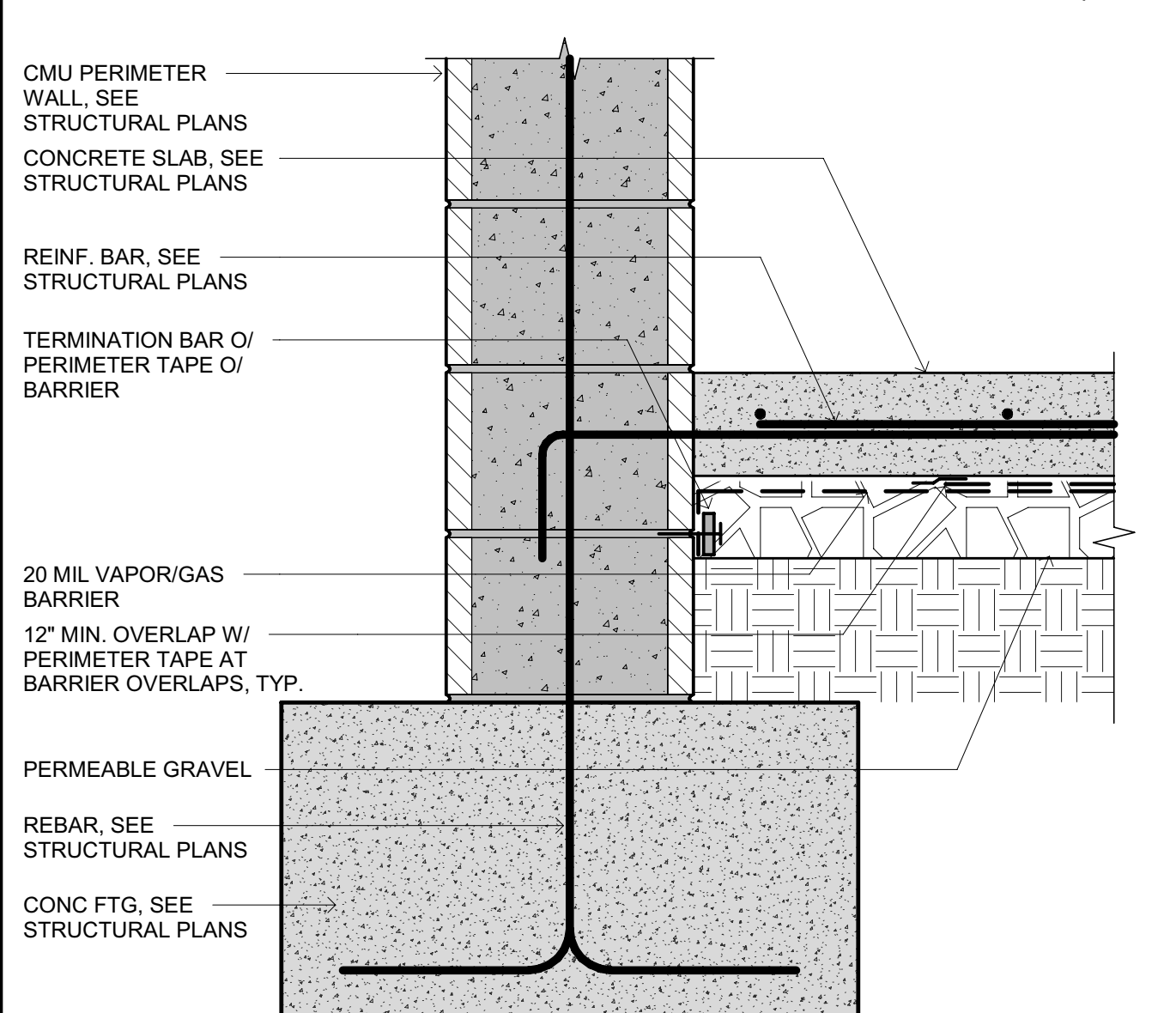
**SUB-SLAB VENTING PLAN**

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



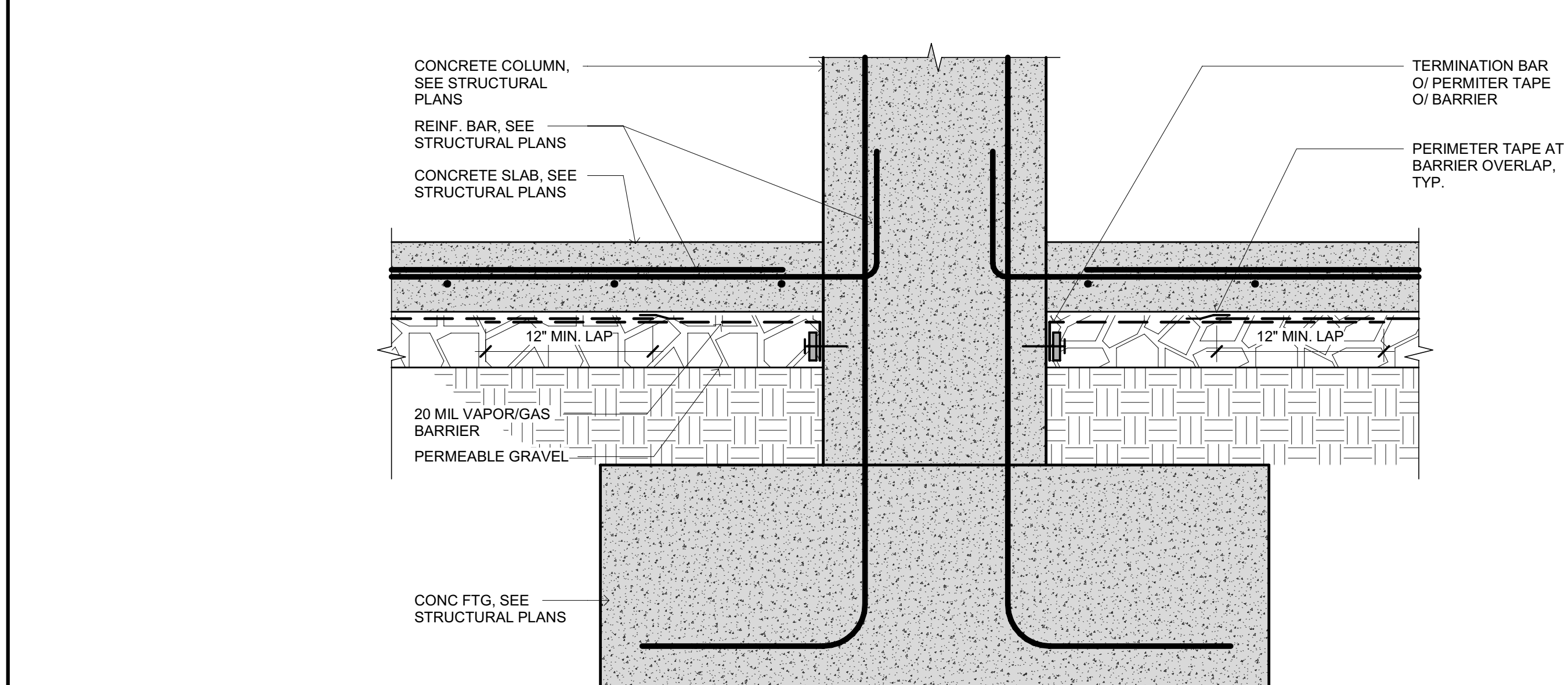
**SUB-SLAB VENT PIPE DIAGRAM**

SCALE: 4



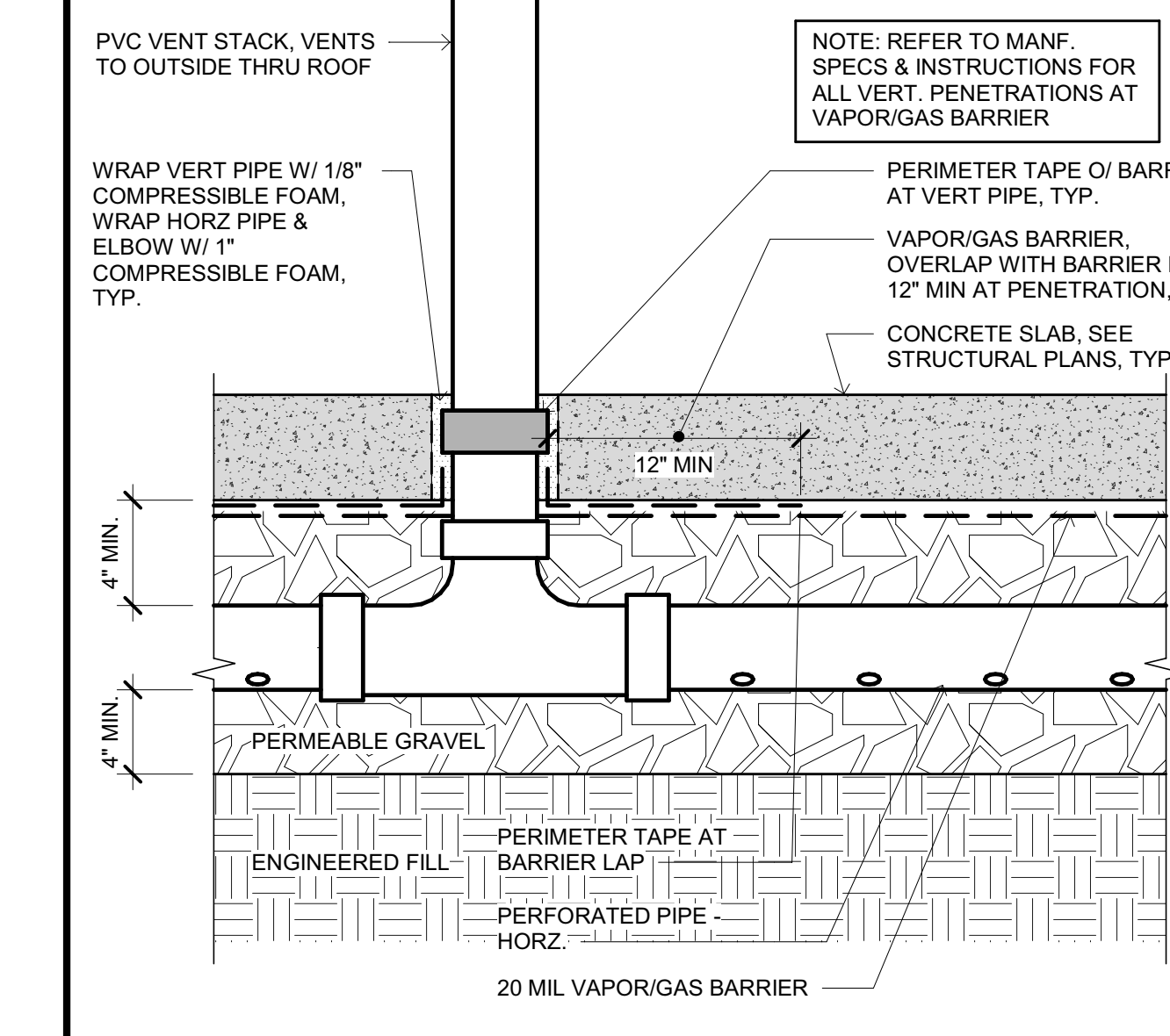
**SUB-SLAB VAPOR / GAS BARRIER AT PERIMETER WALL**

SCALE: 1 1/2" = 1'-0"



**SUB-SLAB VAPOR / GAS BARRIER AT INTERIOR COLUMN**

SCALE: 1 1/2" = 1'-0"



**TYPICAL PENETRATION AT SUB-SLAB VAPOR / GAS BARRIER**

SCALE: 1 1/2" = 1'-0"

**SITE PLAN LEGEND**

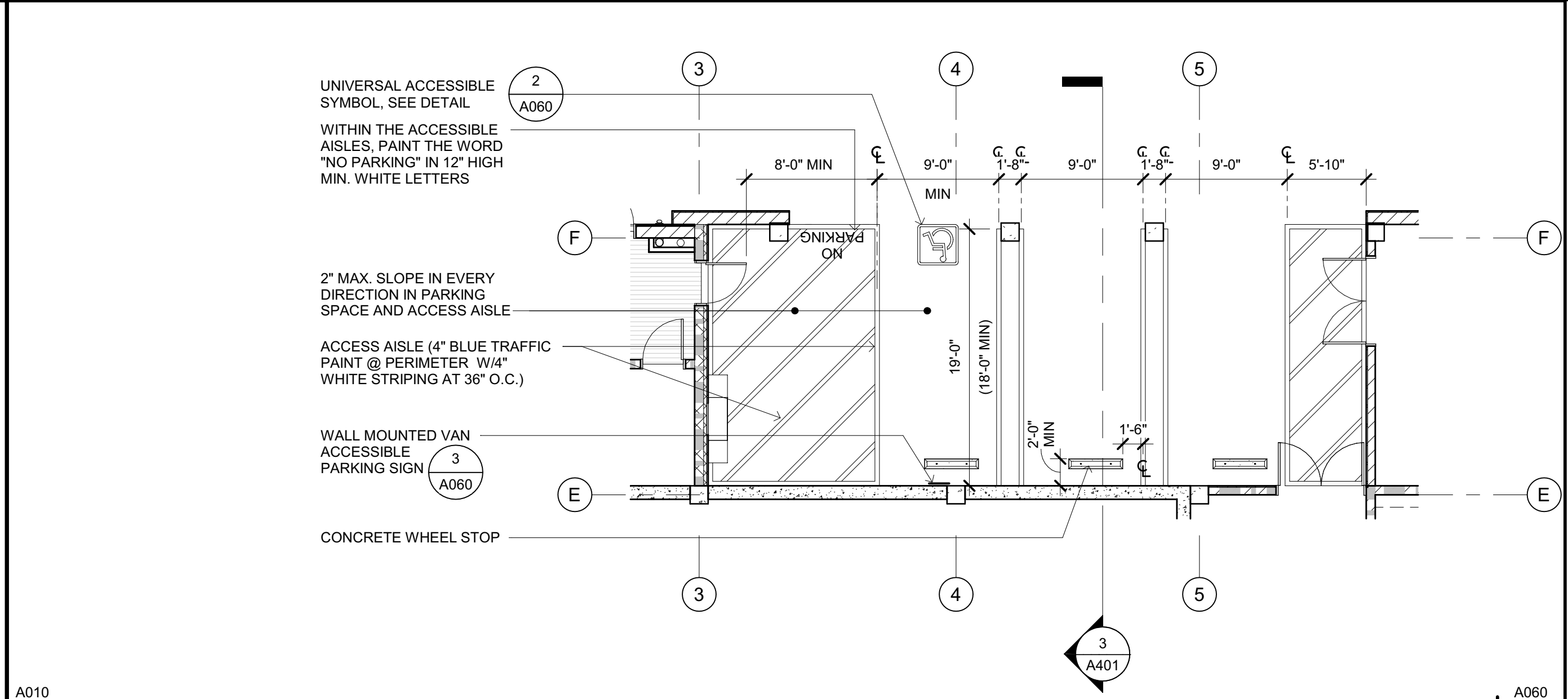
- VENTILATION ZONE
- FOOTING OUTLINE
- CONCRETE COLUMN

Plot Date: 9/20/2022 1:30:27 PM  
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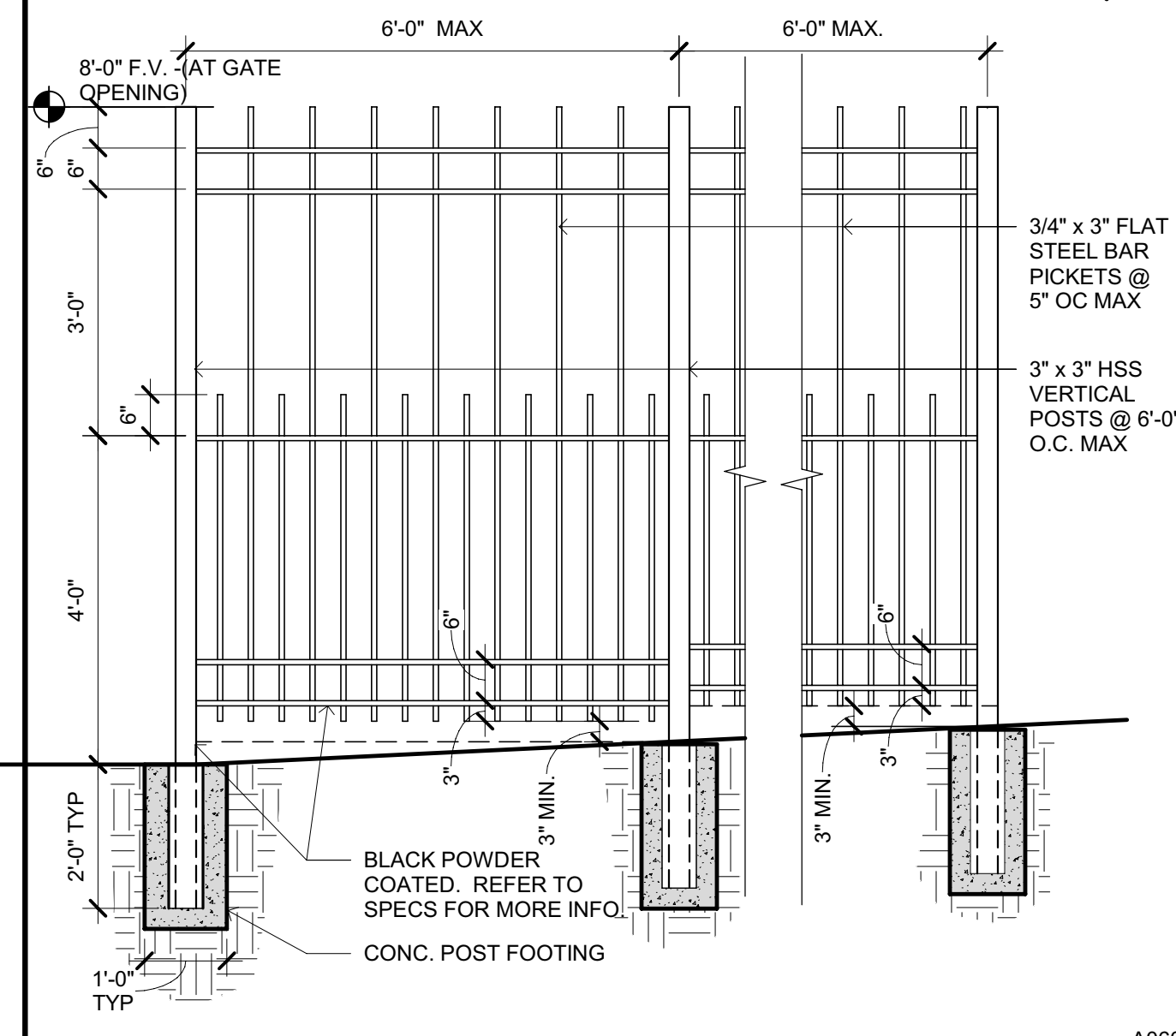
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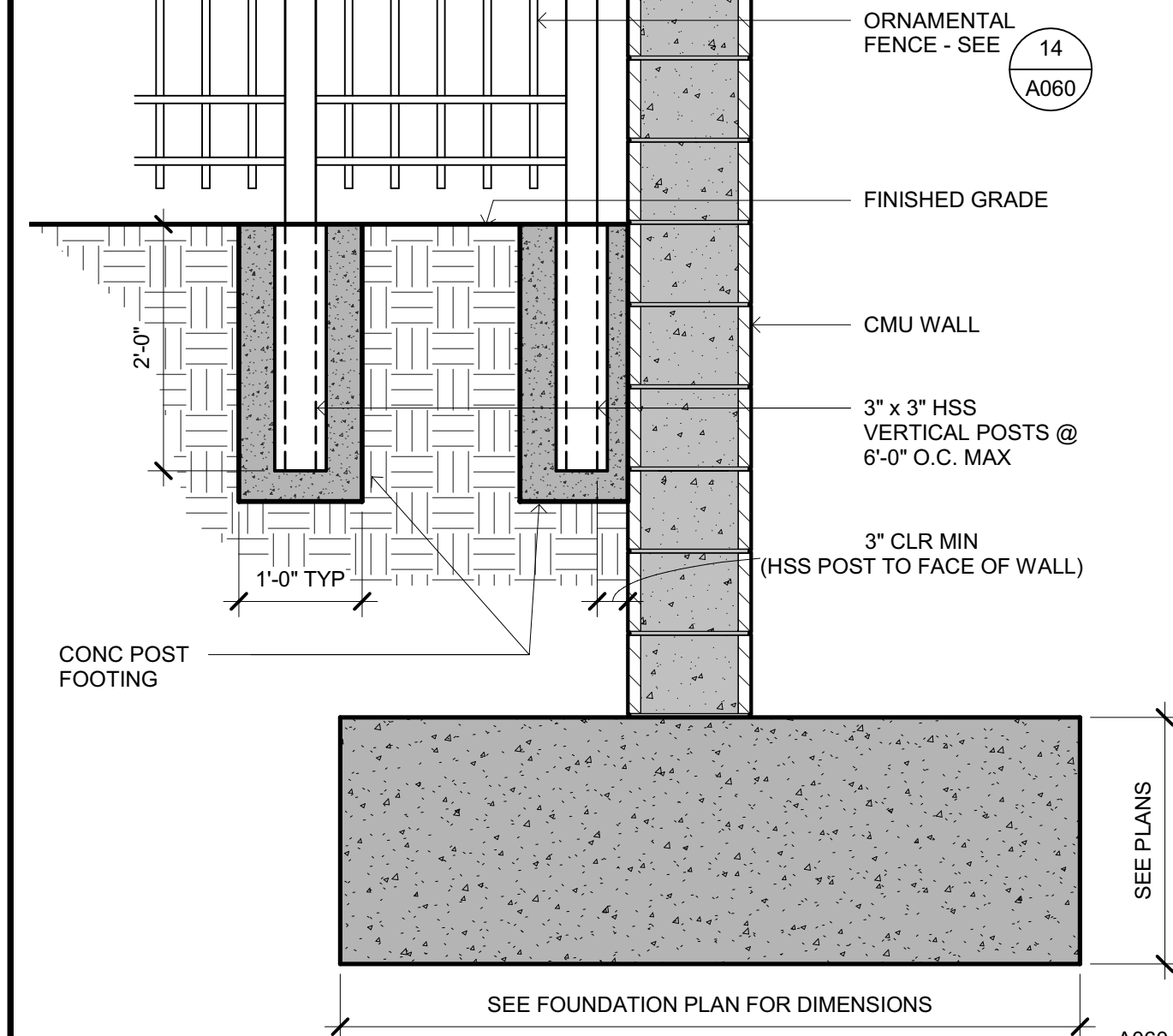
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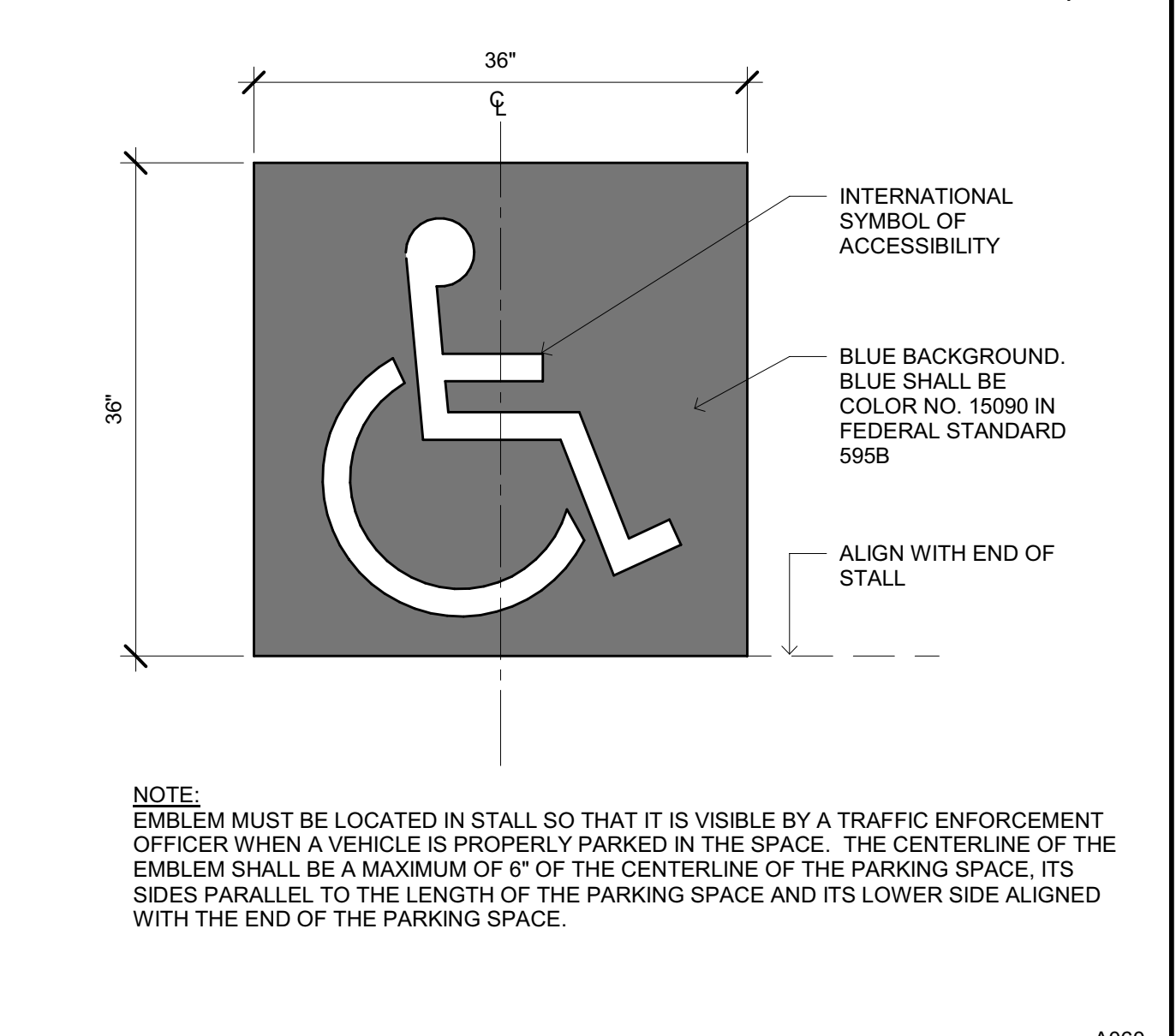
A010 ACCESSIBLE PARKING STALL SCALE: 1/8" = 1'-0" 1



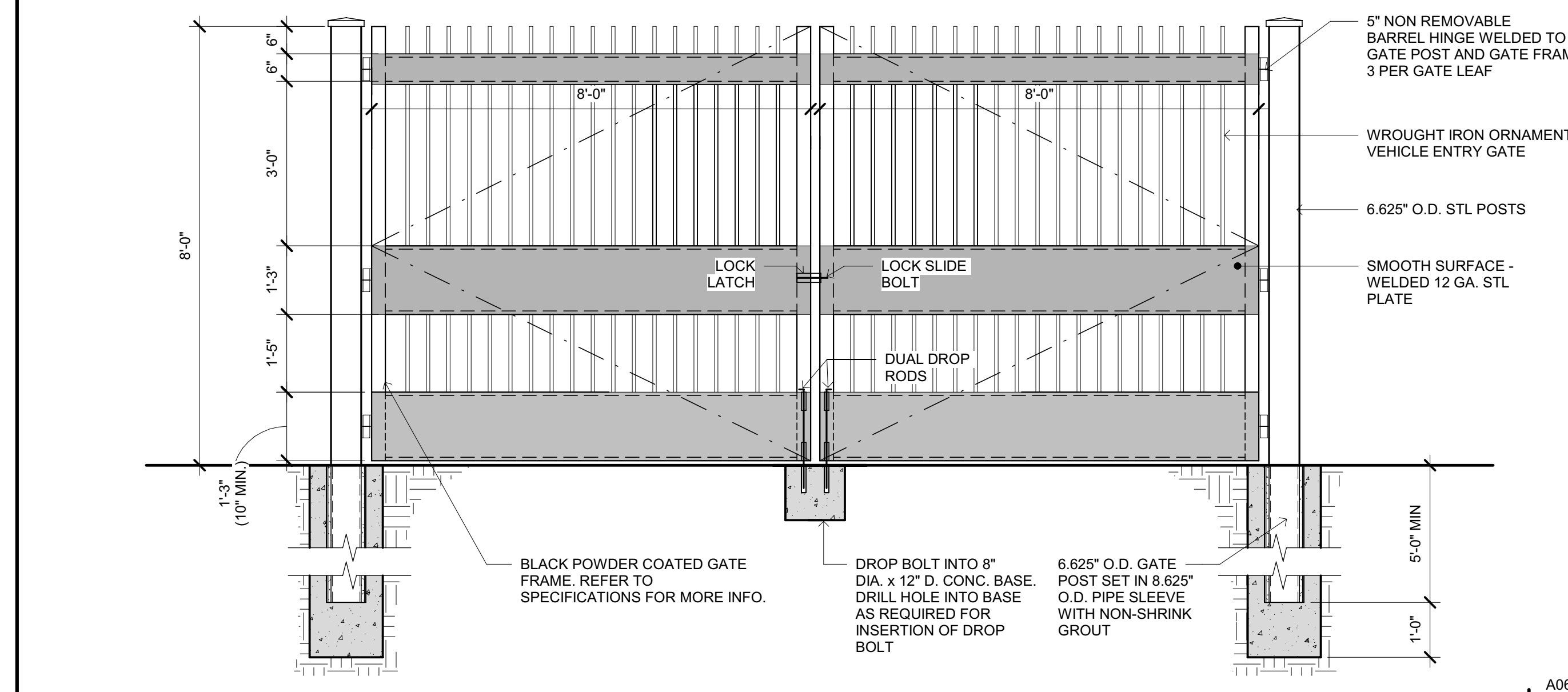
A060 TYPICAL ORNAMENTAL FENCE SCALE: 1/2" = 1'-0" 14



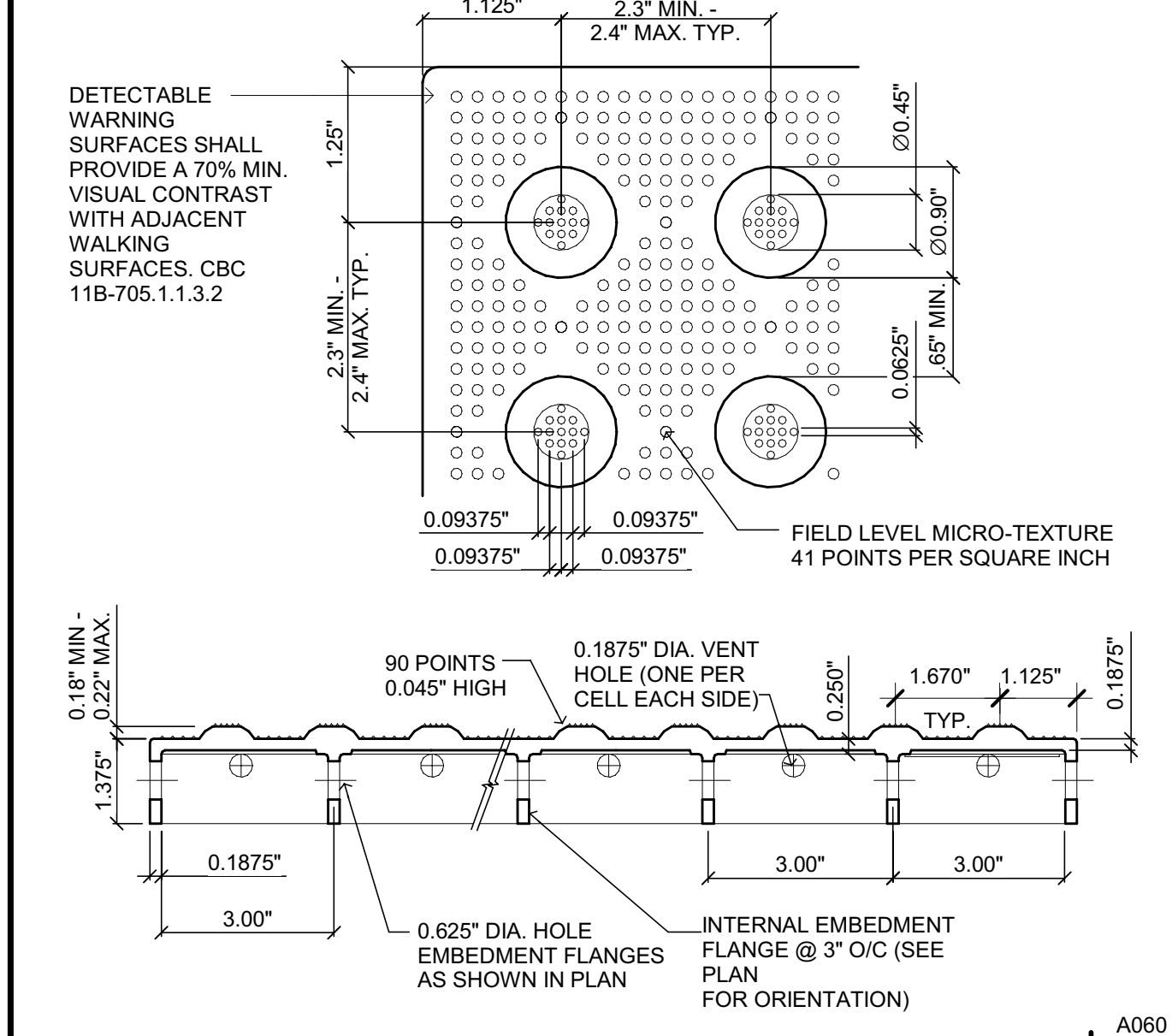
A060 FENCE FOOTING AT CMU WALL, TYPICAL SCALE: 3/4" = 1'-0" 6



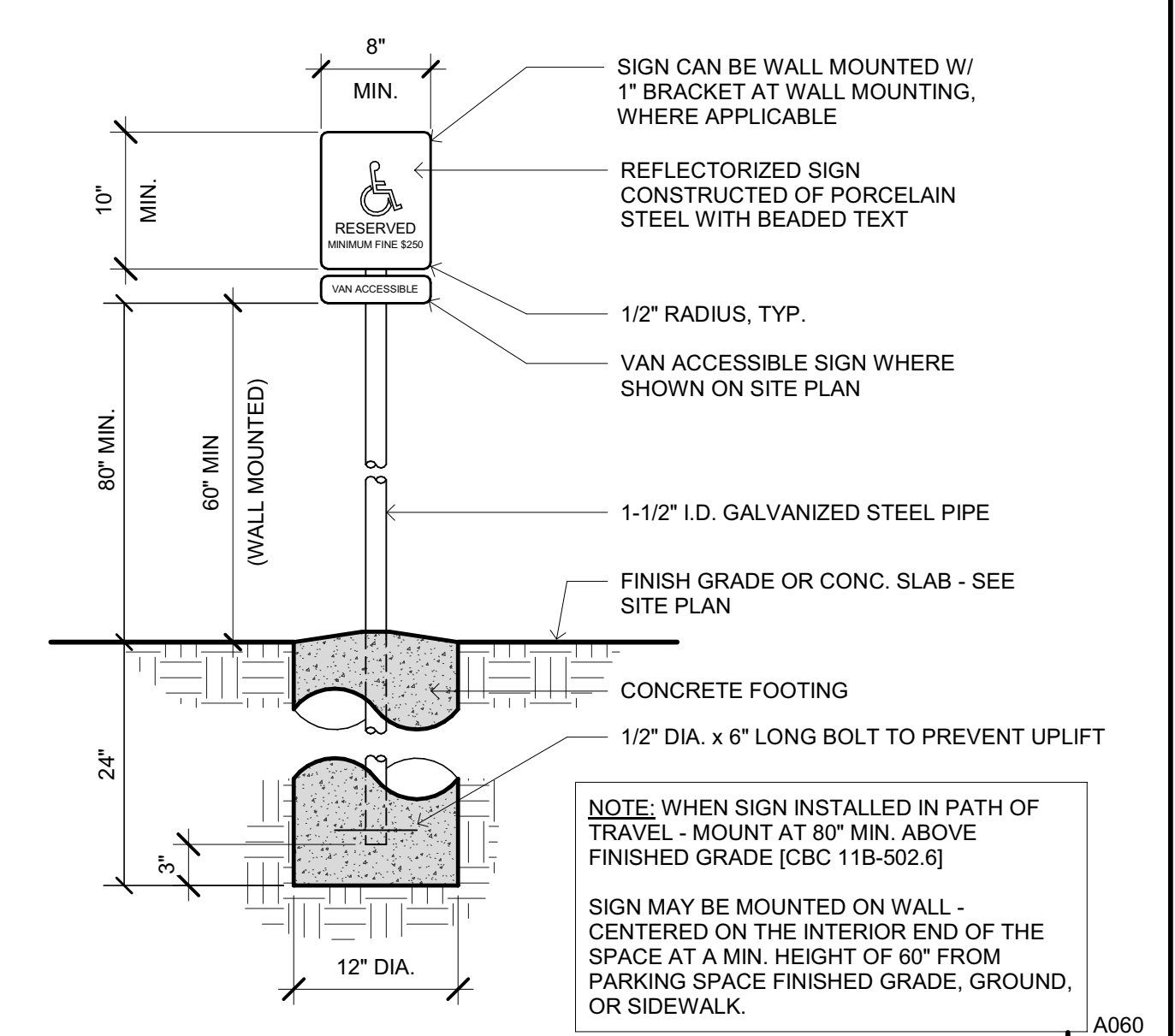
A060 INTERNATIONAL SYMBOL OF ACCESSIBILITY SCALE: 1" = 1'-0" 2



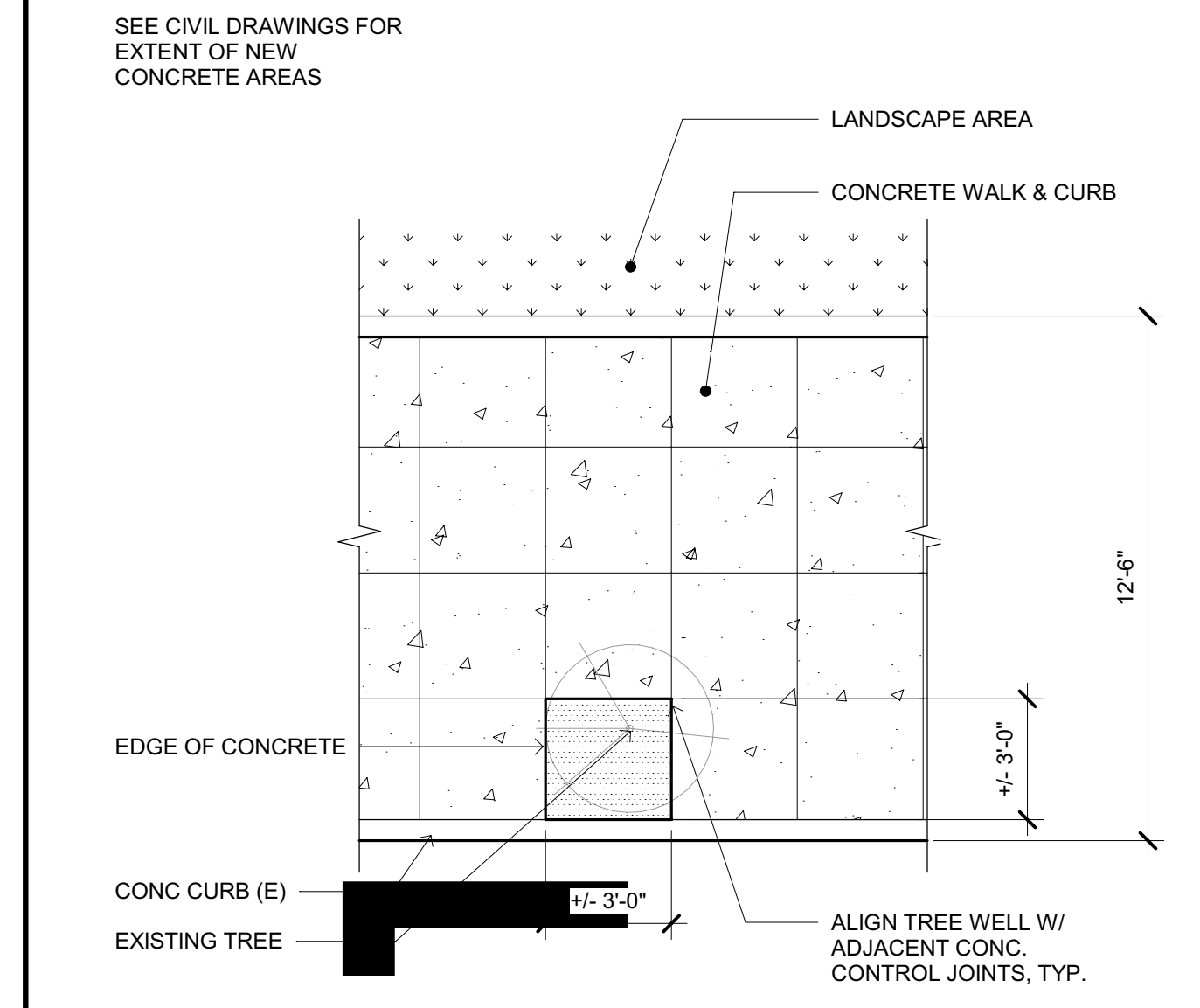
A060 ORNAMENTAL FENCE - VEHICLE GATE SCALE: 1/2" = 1'-0" 11



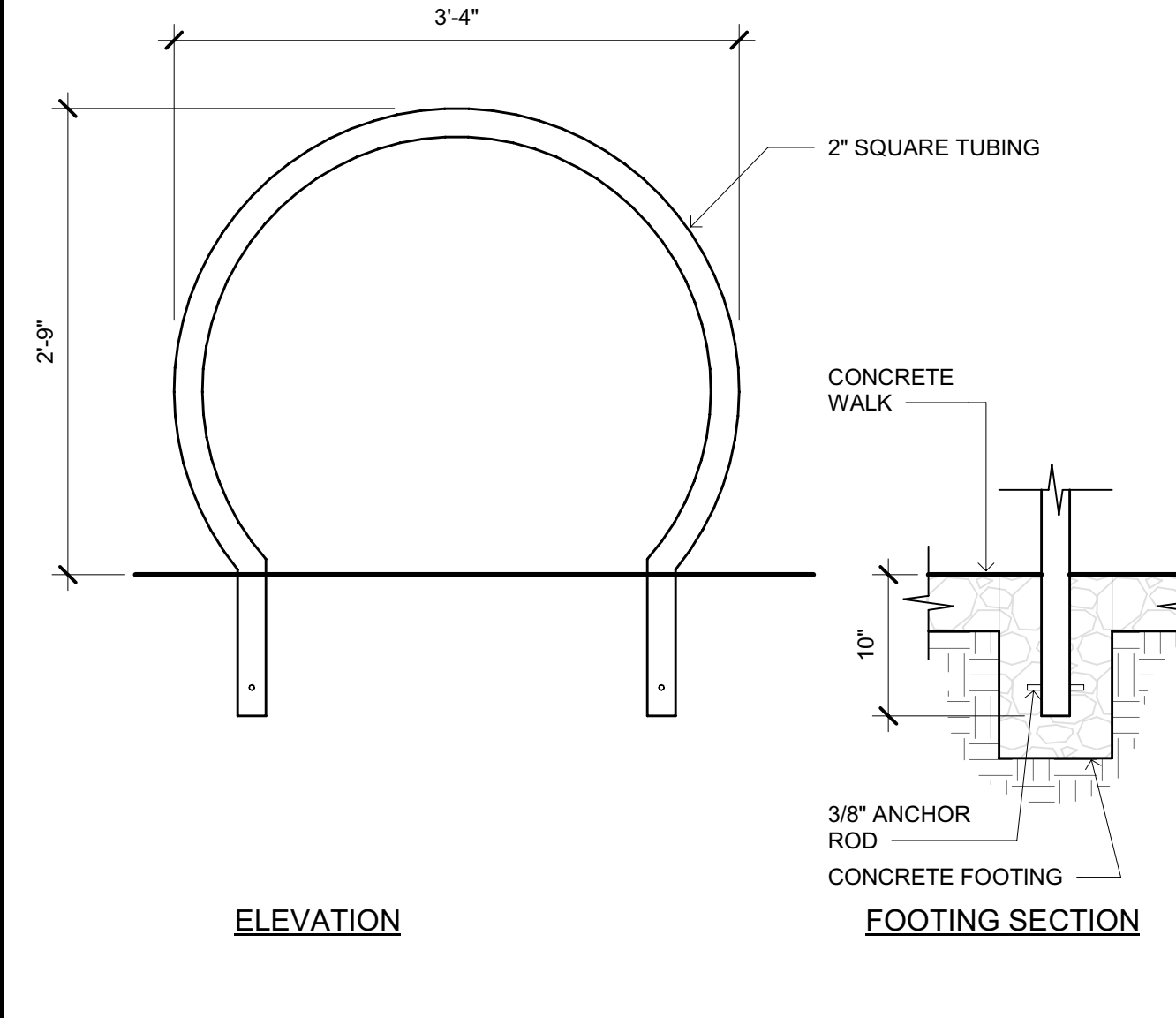
A060 CAST-IN-PLACE TRUNCATED DOMES SCALE: N.T.S. 7



A060 ACCESSIBLE PARKING SIGN AND POST SCALE: 1" = 1'-0" 3



A300 ENLARGED TREE WELL PLAN SCALE: 1/4" = 1'-0" 16

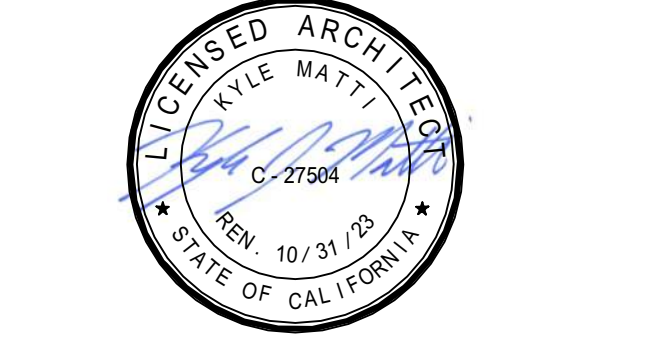


A060 BIKE RACK ANCHORAGE SCALE: 1" = 1'-0" 12



A060 TOW AWAY SIGN SCALE: 1" = 1'-0" 4

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SITE DETAILS**

DRAWING STATUS

WORKING DRAWINGS

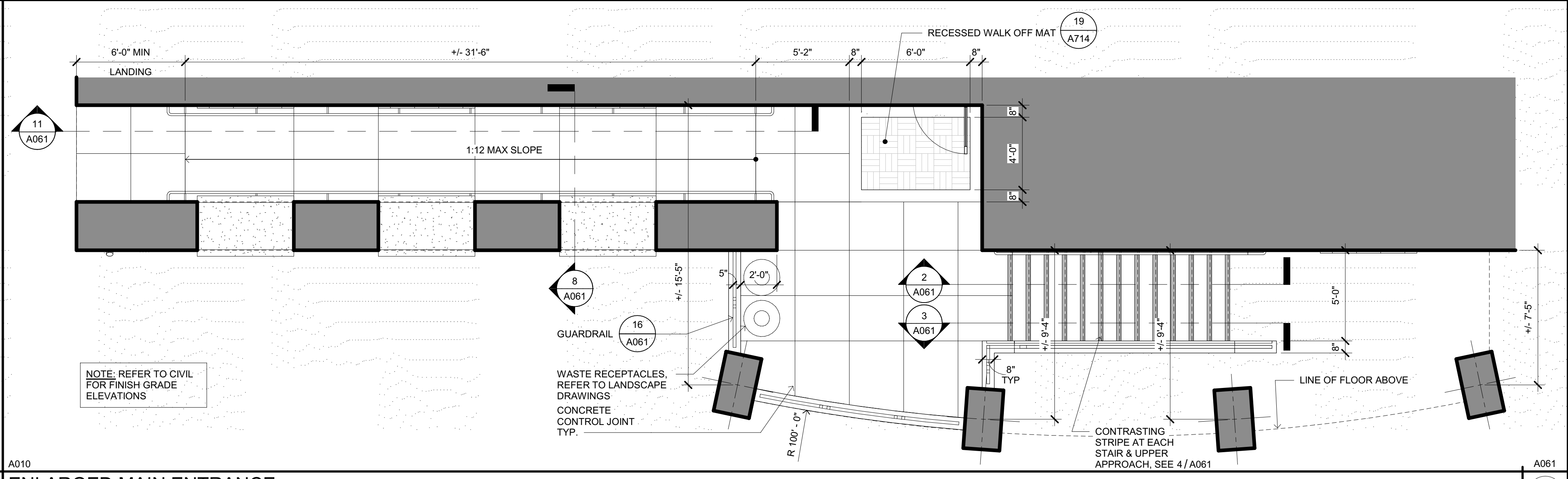
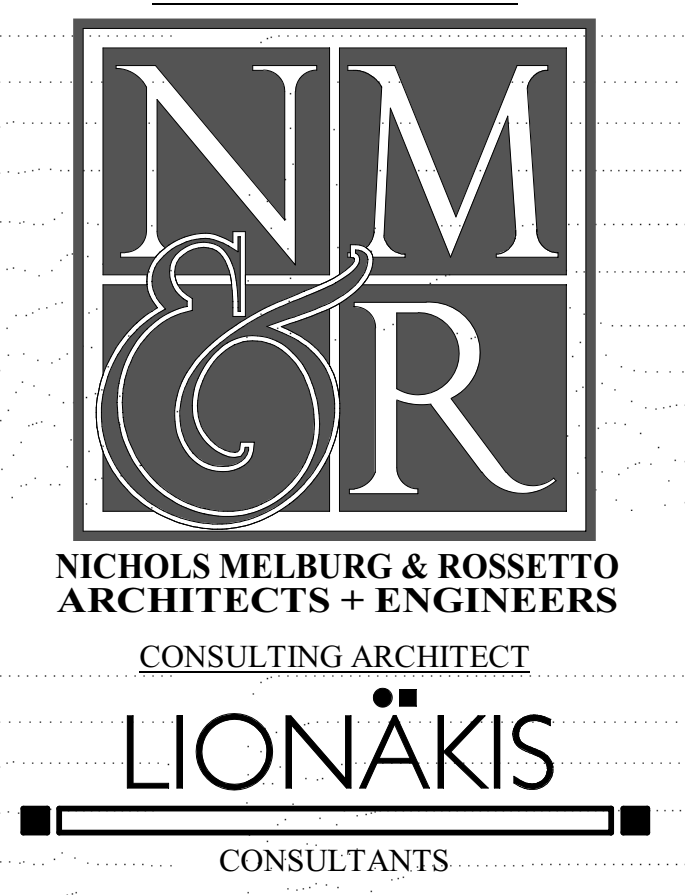
REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

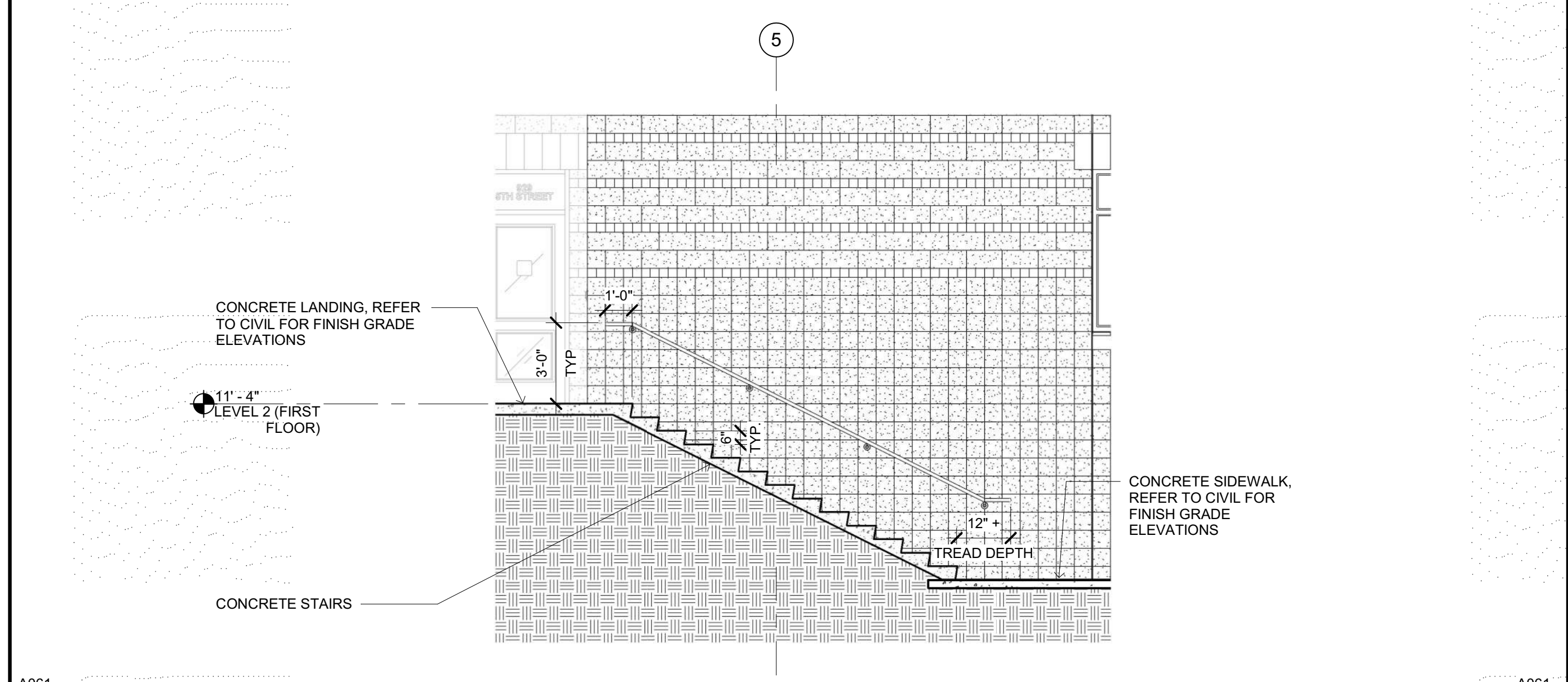
SHEET No.  
**A060 V4**



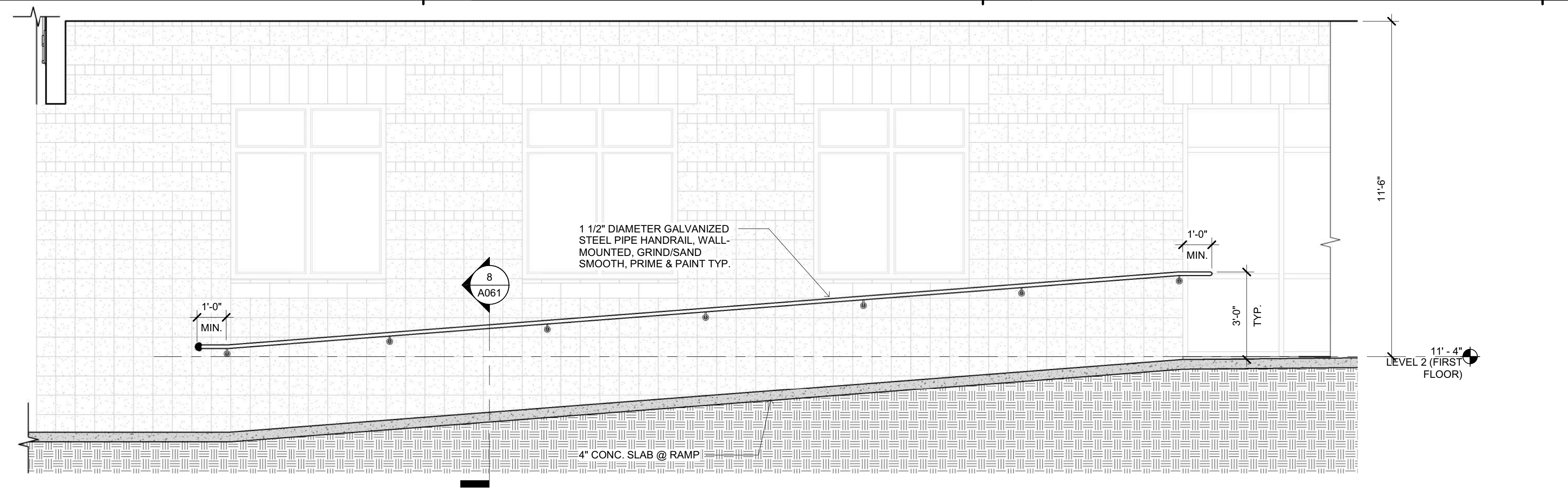
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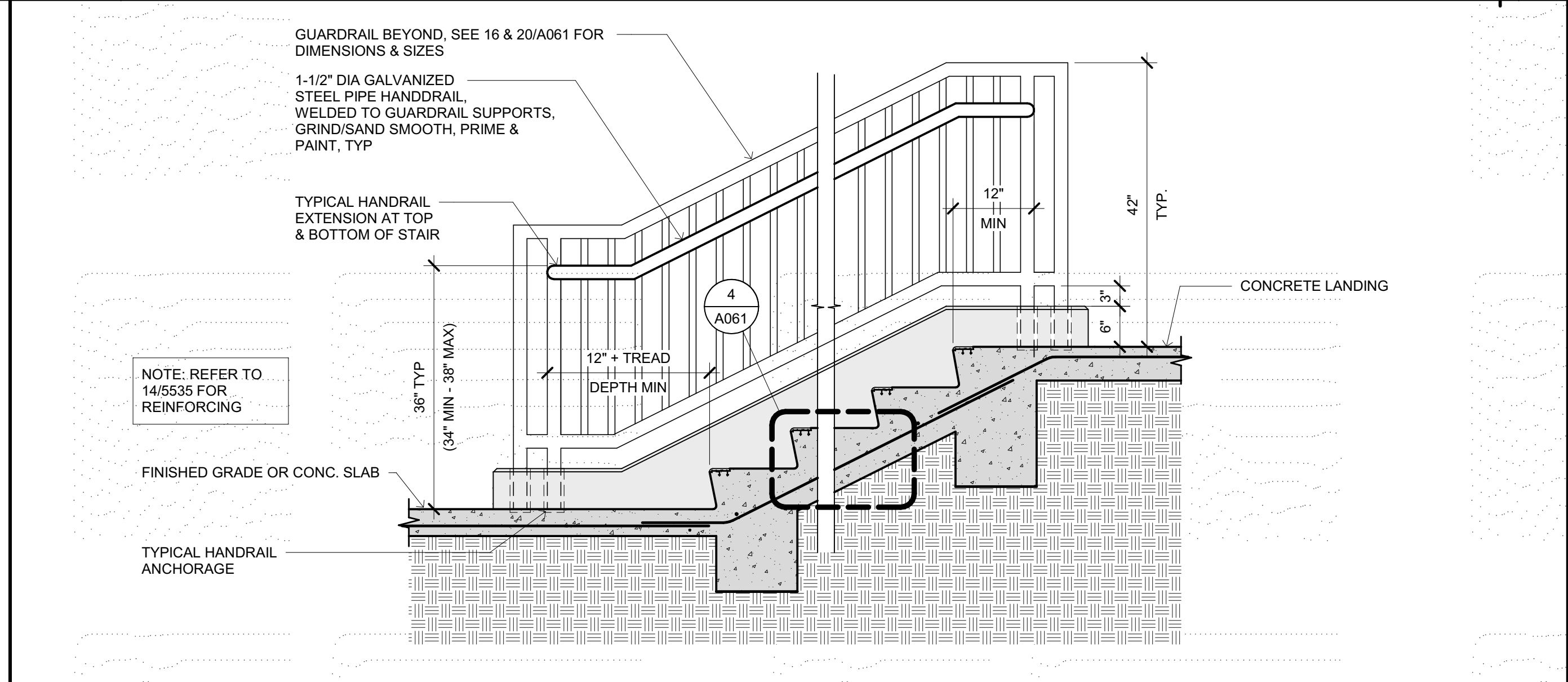
A010 ENLARGED MAIN ENTRANCE SCALE: 1/4" = 1'-0" **1**



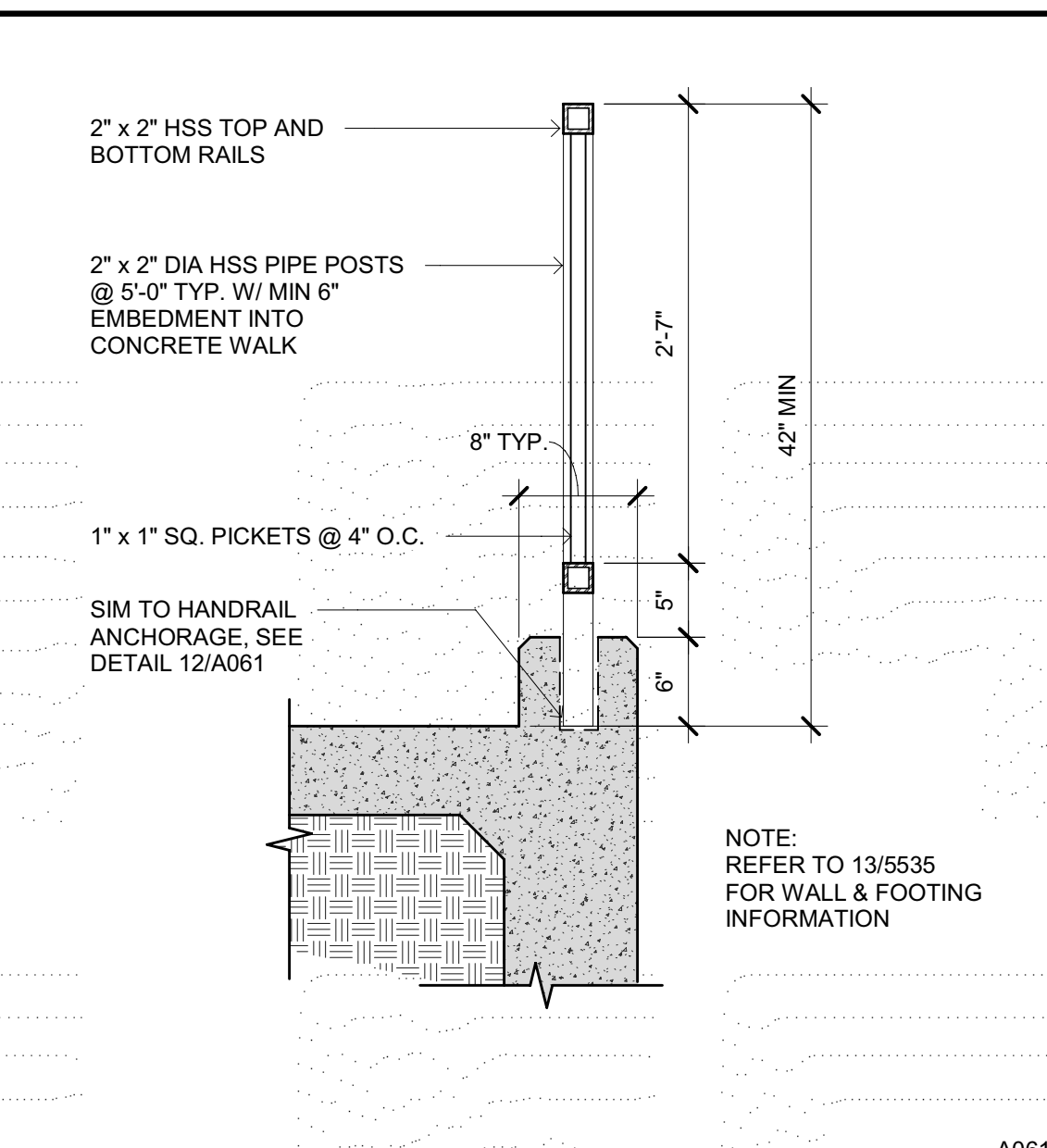
A061 STAIRWAY MAIN ENTRANCE SCALE: 1/4" = 1'-0" **2**



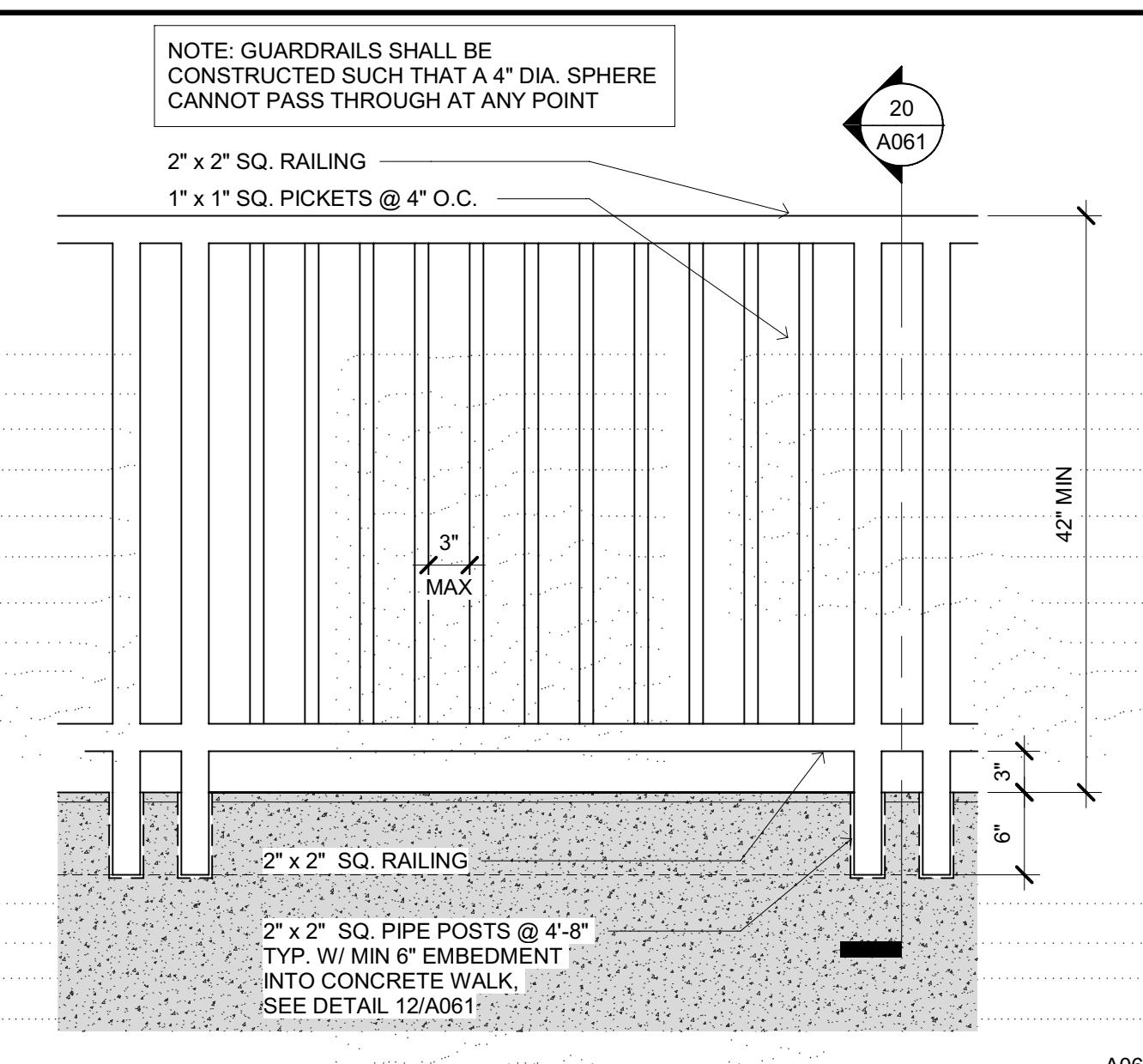
A061 RAMP MAIN ENTRANCE SCALE: 3/8" = 1'-0" **11**



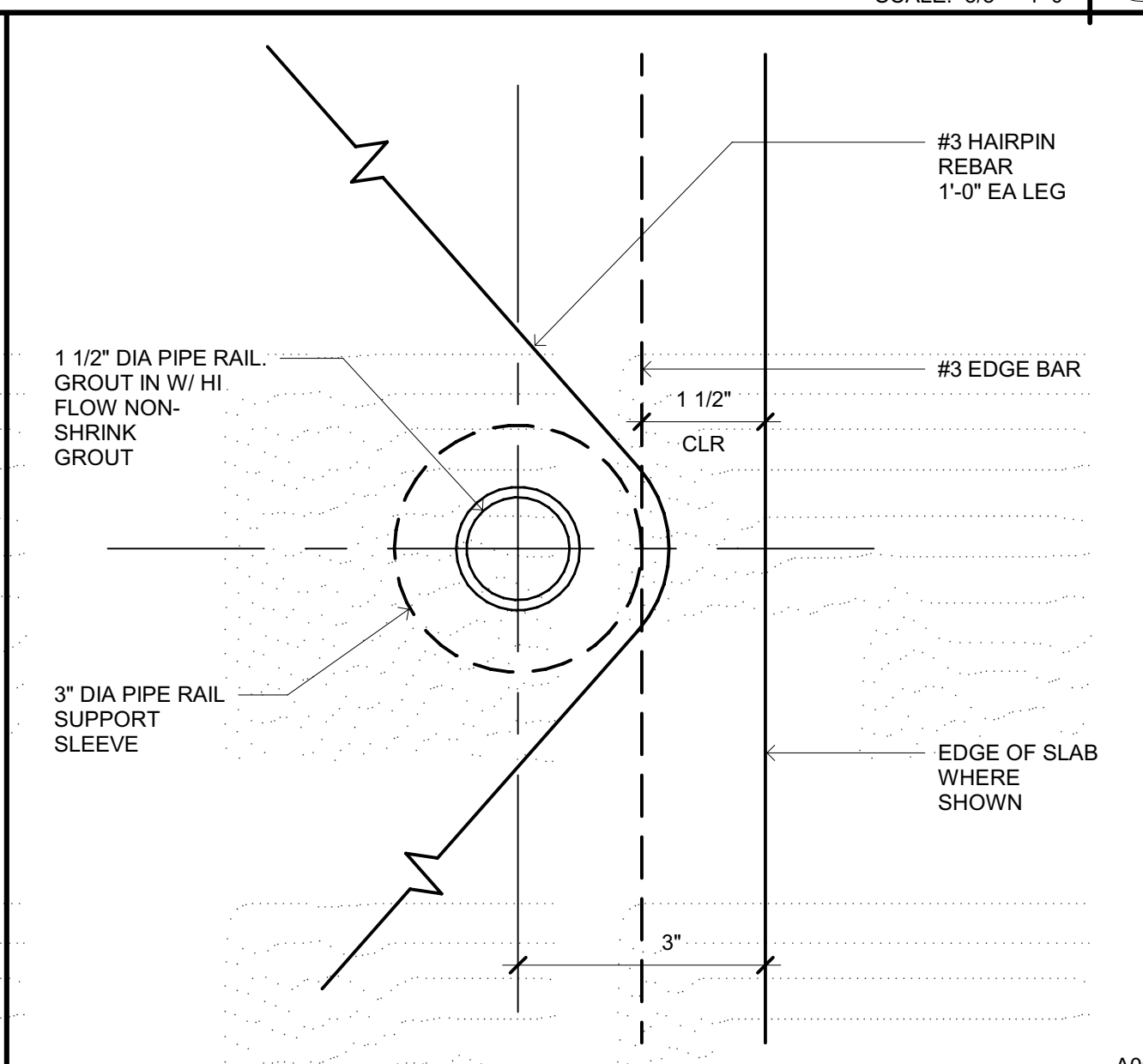
A061 CONCRETE STAIR AND RAILING SCALE: 3/4" = 1'-0" **3**



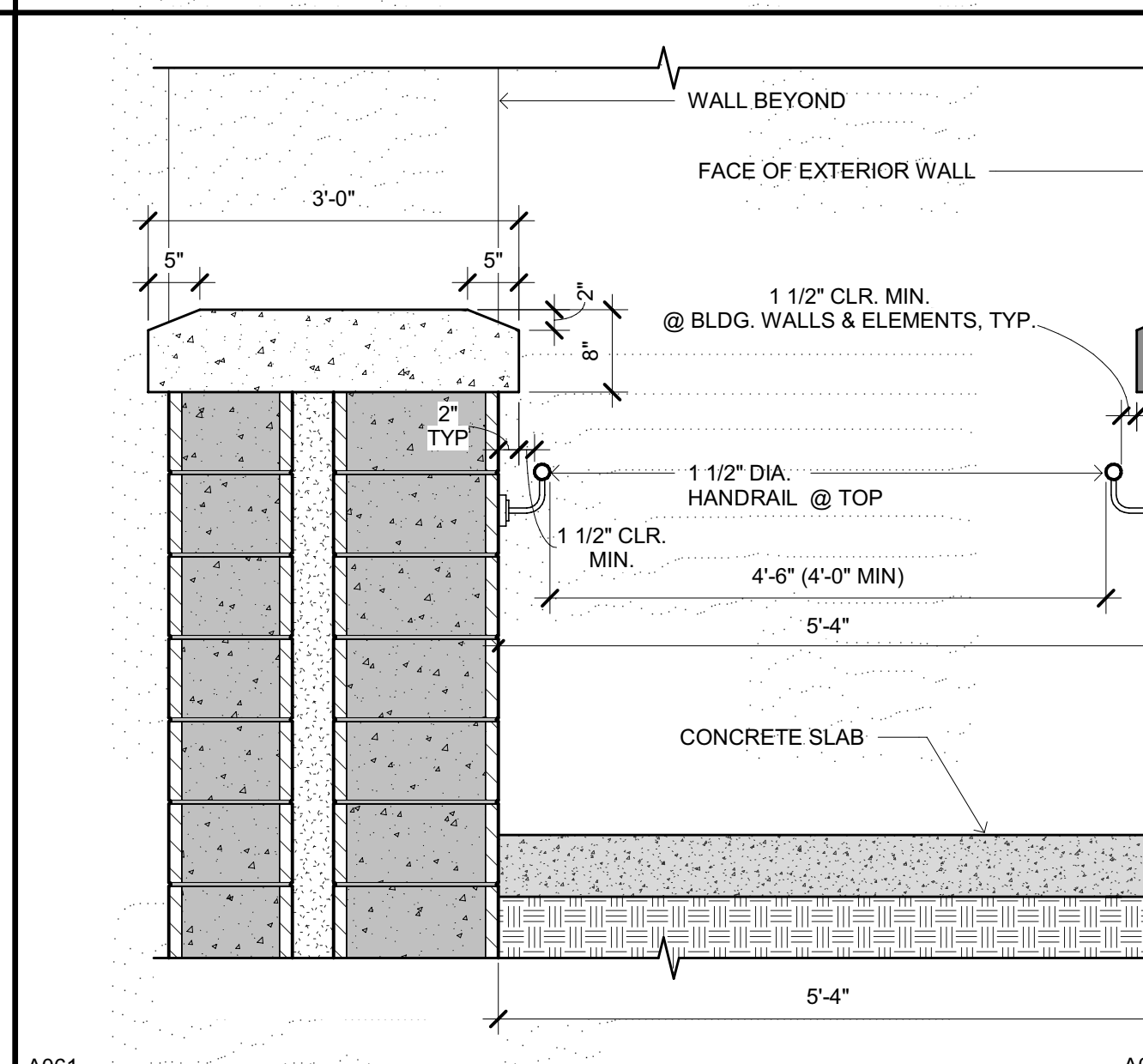
A061 GUARDRAIL ANCHORAGE SCALE: 1" = 1'-0" **20**



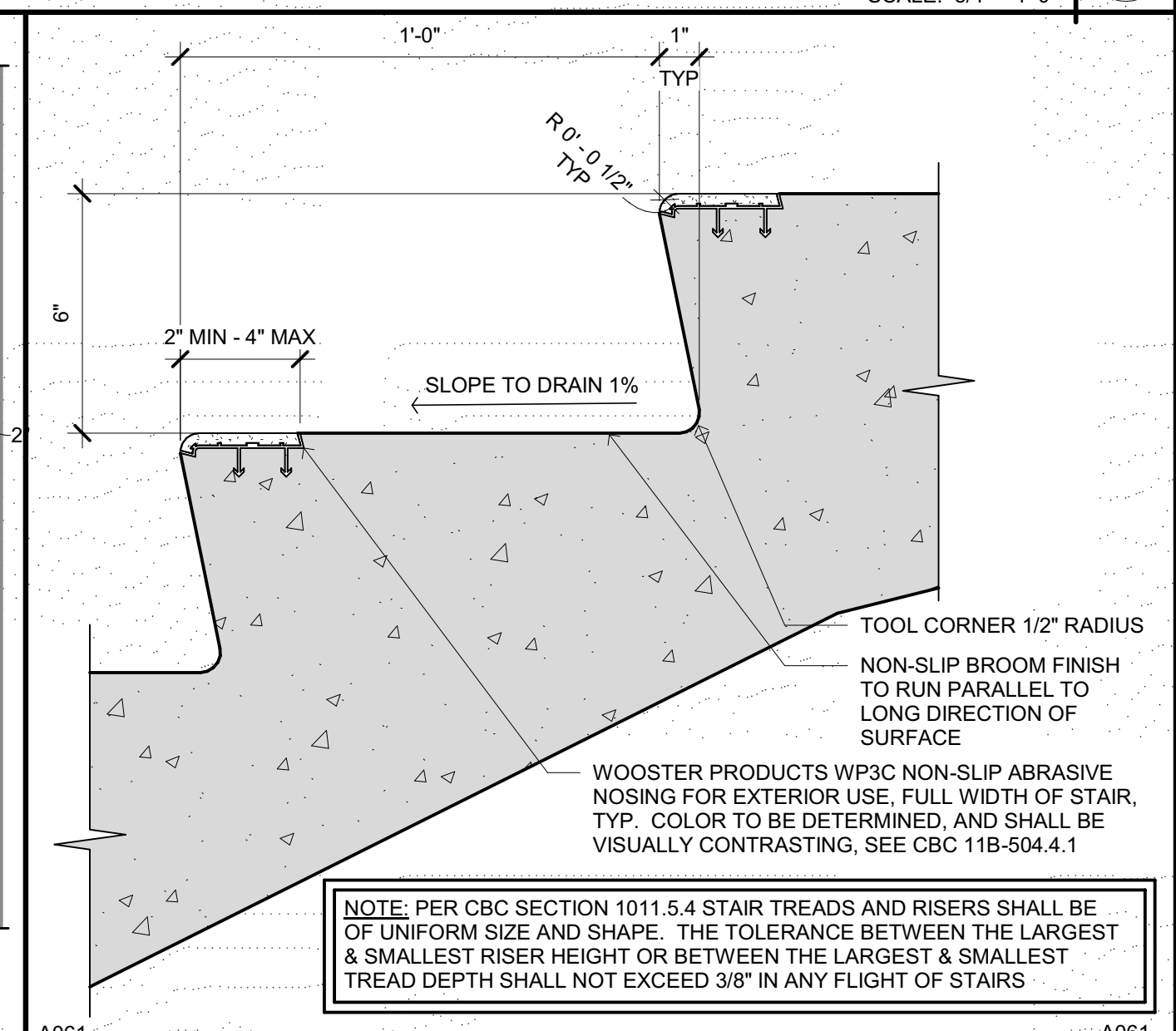
A061 GUARDRAIL ELEVATION SCALE: 1" = 1'-0" **16**



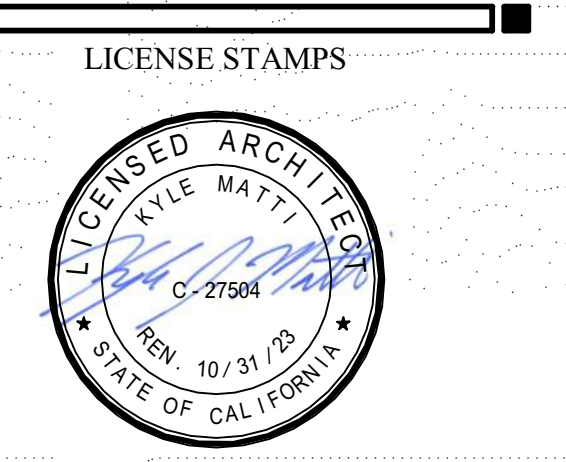
A061 HANDRAIL ANCHORAGE SCALE: 6" = 1'-0" **12**



A061 - HANDRAIL SECTION, TYP. SCALE: 3/4" = 1'-0" **8**



A061 STAIR FINISH SCALE: 3" = 1'-0" **4**



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

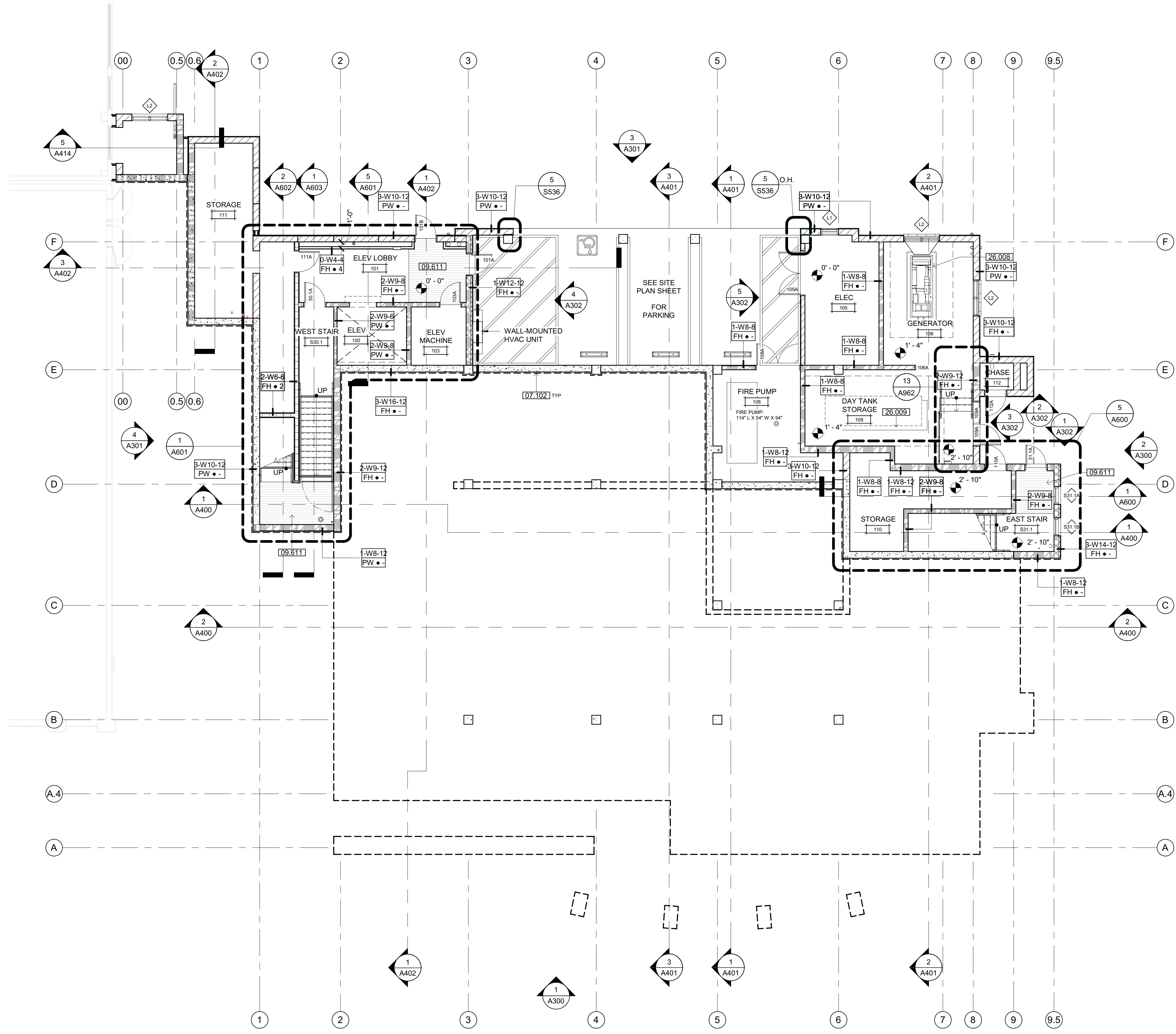
SHEET TITLE  
**EXTERIOR RAMP &  
 STAIR DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

SHEET No.  
**A061 V4**

Plot Date: 9/20/2022 1:30:37 PM Name: d:\a\humboldt Co. Corrections Re-Entry Resource Ctr\A\_11\CR-Entry.rvt



**FLOOR PLAN LEVEL 1**  
SCALE: 1/8" = 1'-0"

### SHEET NOTES

07.102 SELF-ADHERED SHEET WATERPROOFING  
09.611 RECESSED WALK-OFF METAL GRATE SYSTEM - SEE DETAIL 12/A820  
26.908 DIESEL POWERED GENERATOR - SEE ELECTRICAL & PLUMBING DRAWINGS  
26.009 RESERVE DIESEL FUEL TANK - SEE PLUMBING DRAWINGS

### GENERAL NOTES

- STRUCTURAL GRID LINES TO FACE OF STRUCTURE (STUD / MASONRY) OR TO CENTERLINE OF COLUMN (WHERE APPLICABLE) TYPICAL.
- REFER TO STRUCTURAL, MECHANICAL / PLUMBING, ELECTRICAL, FIRE PROTECTION, SECURITY ELECTRONICS, & LOW VOLTAGE DRAWINGS FOR ADDITIONAL CONSTRUCTION FEATURES, SYSTEMS, FIXTURES AND EQUIPMENT NOT IDENTIFIED OR ILLUSTRATED HEREIN.
- REFER TO FINISH SCHEDULE (SHEET A900) FOR WALL, FLOOR AND CEILING FINISHES AS WELL AS MISCELLANEOUS SPECIALTIES NOT IDENTIFIED OR ILLUSTRATED HEREIN.
- EXTERIOR WALL CONSTRUCTION IS SHOWN AT WALL SECTIONS & CORRESPONDING DETAILS. PARTITION SYMBOLS ARE USED FOR THE PURPOSE OF SHOWING INTERIOR CONDITIONS, INCLUDING INTERIOR FURRING OF EXTERIOR WALLS.
- PARTITION TYPES AS DESIGNATED BY PARTITION SYMBOL CONTINUE BETWEEN CORNERS OF ROOM / SPACE OR ANY INTERSECTING PARTITION.
- SEE PARTITION PRIORITY LEGEND FOR PRIORITIZATION OF INTERSECTING PARTITIONS.
- DIFFERING PARTITION TYPES SHALL ALIGN SO THAT PARTITION FINISH PLANES CONTINUE UNBROKEN WITHIN AND/OR ACROSS SPACES.
- IN CASES WHERE TWO DIFFERENT CEILING HEIGHTS ABUT PARTITIONS, THE PARTITION SHALL EXTEND ABOVE THE HIGHEST CEILING INDICATED.
- PARTITIONS INDICATED AS FIRE OR SMOKE RATED FORM A SEPARATION THAT SHALL BE CONTINUOUS (FROM FLOOR TO STRUCTURE ABOVE) WITH NO BREAKS AT CONCEALED SPACES, COLUMNS, TRANSITIONS OR OTHER OBSTRUCTIONS.
- THE PARTITION TYPE ABOVE OR BELOW ANY OPENING IS TO BE THE SAME AS THAT SCHEDULED FOR EITHER SIDE OF THE OPENING, UNLESS NOTED OTHERWISE.
- PENETRATIONS THROUGH RATED PARTITIONS SHALL BE SEALED WITH UL LISTED FIRE/SMOKE STOP ASSEMBLY.
- FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING:
  - AT ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
  - INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT w/ A MIN. 3/8" STROKE IN A CONTRASTING COLOR, INCORPORATING THE SUGGESTED LANGUAGE "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS," OR SIMILAR WORDING PER CBC 703.7.

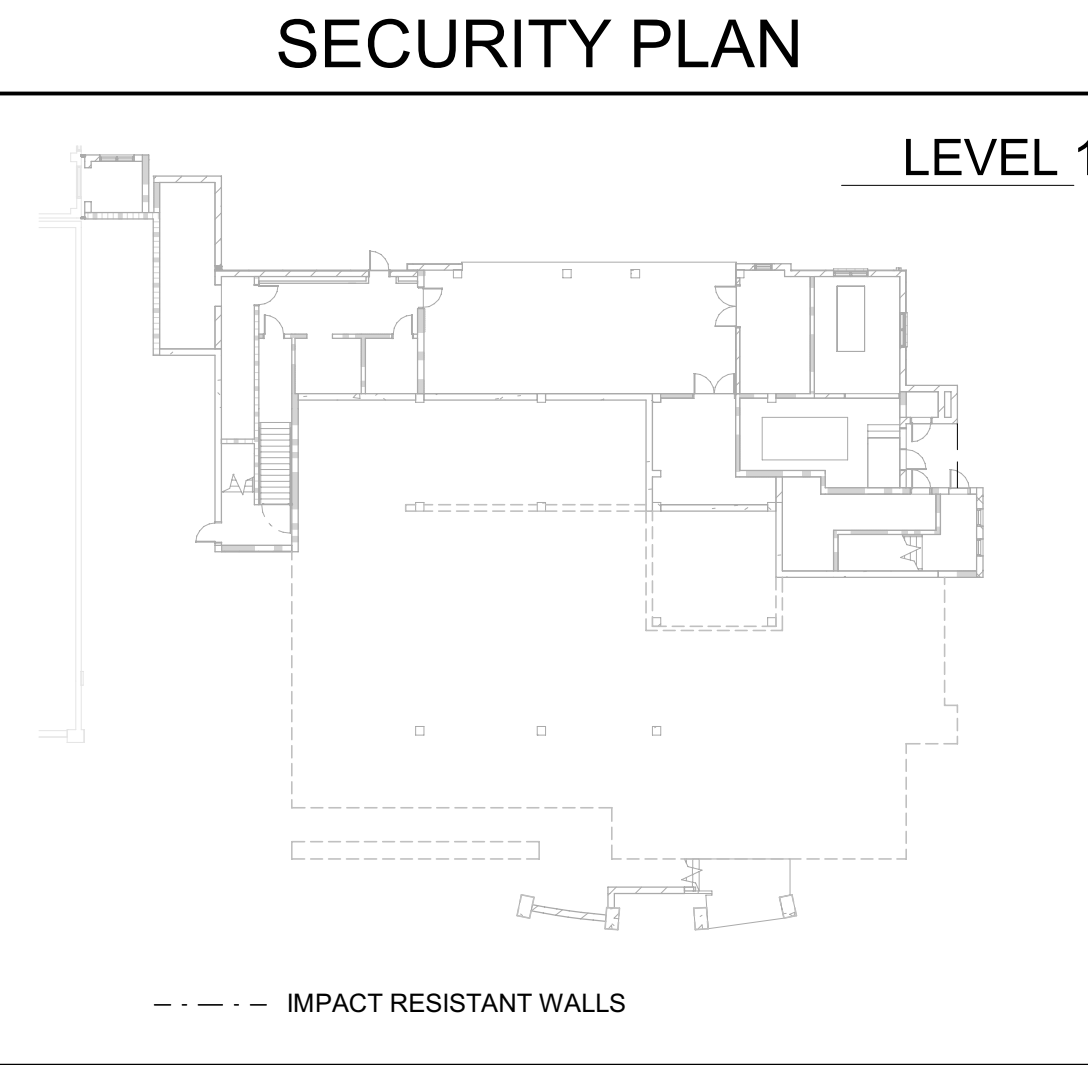
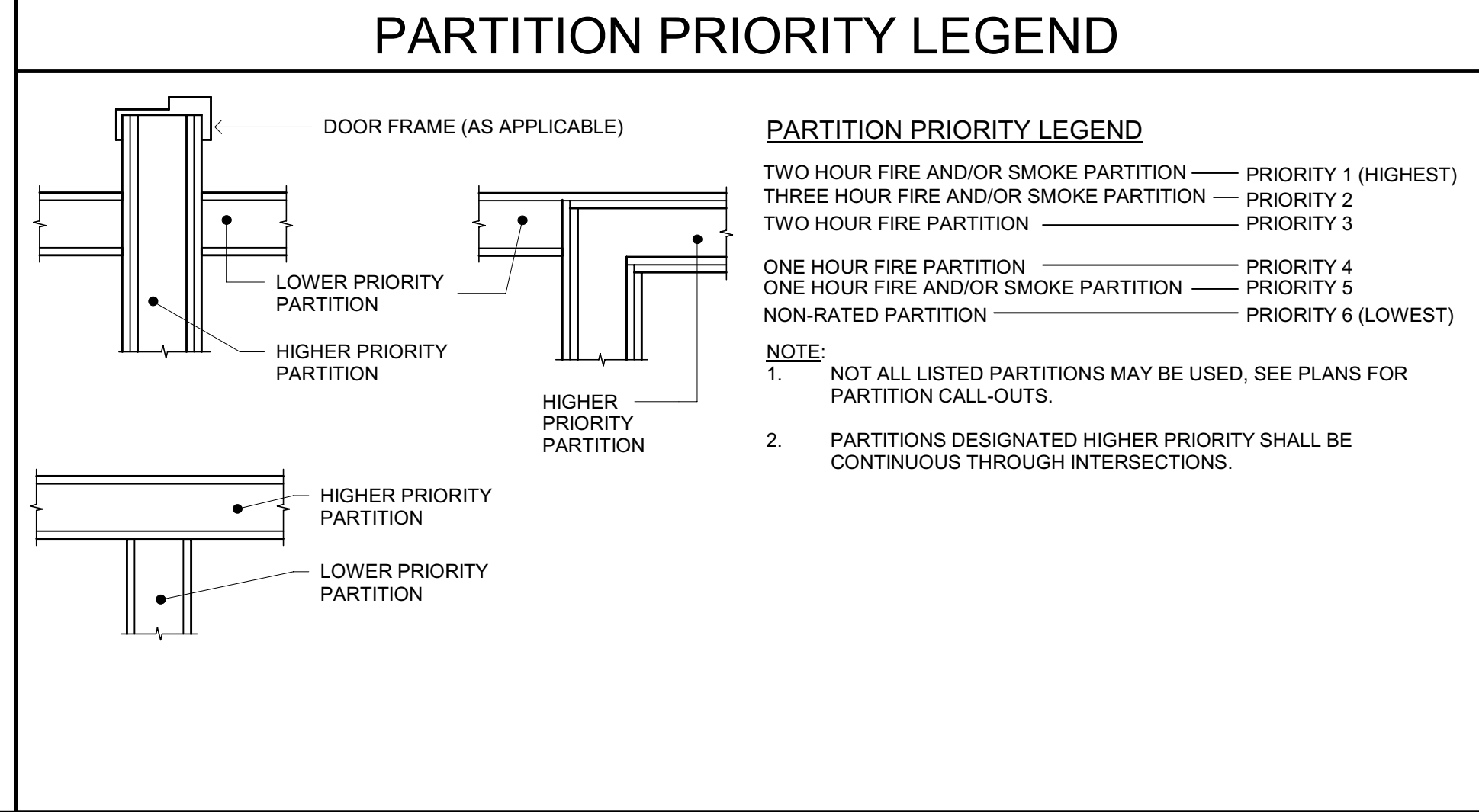
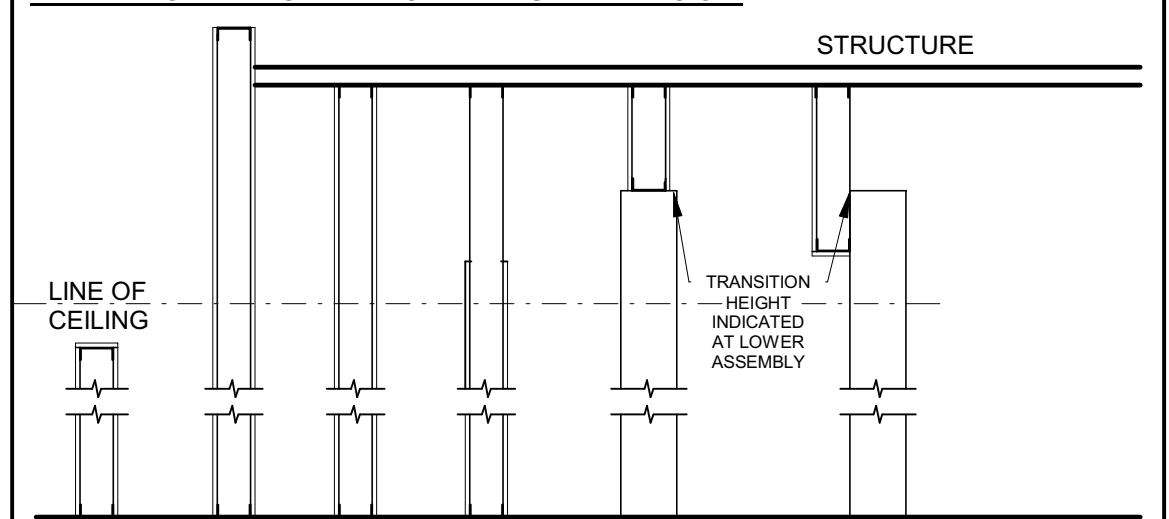
### PARTITION LEGEND

- REFER TO G120 FOR CEILING, ROOF, FLOOR & COLUMN ASSEMBLIES.
- REFER TO G121 & G122 FOR WALL ASSEMBLY DETAILS.
- REFER TO G123 & G124 FOR THROUGH-PENETRATION DETAILS.
- REFER TO G125 FOR JOINT ASSEMBLY DETAILS.
- REFER TO A901 FOR METAL FRAMED PARTITION NOTES AND DETAILS.
- REFER TO STRUCTURAL FOR TOP OF CMU WALL DETAILS.

### PARTITION SYMBOL

FIRE-RESISTIVE RATING  
ASSEMBLY DETAIL NUMBER, SEE SHEETS G121 & G122  
NOMINAL STUD SIZE

# = SPECIAL CONDITIONS  
\* = PARTITION HEIGHT FROM FINISH FLOOR



### FLOOR PLAN LEGEND

REFER TO DRAWINGS A211, A212, A213 & A214 FOR DIMENSIONED FLOOR PLANS.

LINE OF WALL BELOW GRADE	DOOR AND/OR FRAME AND NUMBER, REFER TO DRAWING A710 FOR DOOR SCHED	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS	SEE DETAIL W10/G122
WINDOW AND NUMBER, REFER TO DRAWING A720 FOR WINDOW SCHED	ROOFTOP WALKWAY MATS	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W8/G122
UPPER CABINET SINK, AS OCCURS	CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W9/G122
BASE CABINET & COUNTERTOP		3 HOUR CMU BEARING FIRE WALL	SEE DETAIL W17/G122
3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS		NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS	SEE DETAIL W7/G122
3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS		3 HOUR CONCRETE RETAINING FIRE WALL	SEE DETAIL W16/G122
3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS		NON-RATED CONCRETE SITE RETAINING WALL	SEE DETAIL W15/G122
NON-RATED 12" INSULATED CMU NON-BEARING WALL		METAL STUD WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W5/G121
		METAL STUD WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W6/G121
		NON-RATED METAL STUD WALL	SEE DETAILS W3/G121 & W4/G121

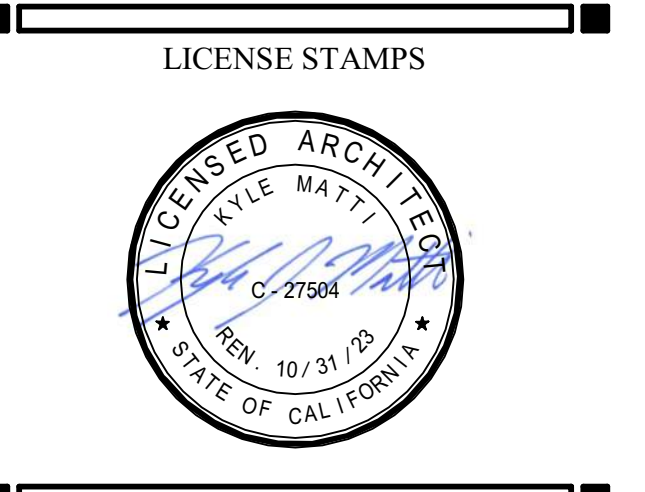
### SPECIAL CONDITIONS

- ACOUSTICAL ATTENUATION BATT INSULATION - 6" MIN. ABOVE CLG. HEIGHT/ R-11
- ACOUSTICAL ATTENUATION BATT INSULATION - FULL STUD HEIGHT/ R-11
- FIBERGLASS BATT INSULATION - 6" MINIMUM ABOVE CEILING HEIGHT (SEE SPECIFICATIONS FOR R-VALUES)
- FIBERGLASS BATT INSULATION - FULL STUD HEIGHT (SEE SPECIFICATIONS FOR R-VALUES)



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ARCHITECT OF RECORD  
**NM & R**  
NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
FLOOR PLAN - LEVEL 1

DRAWING STATUS  
WORKING DRAWINGS

### REVISIONS

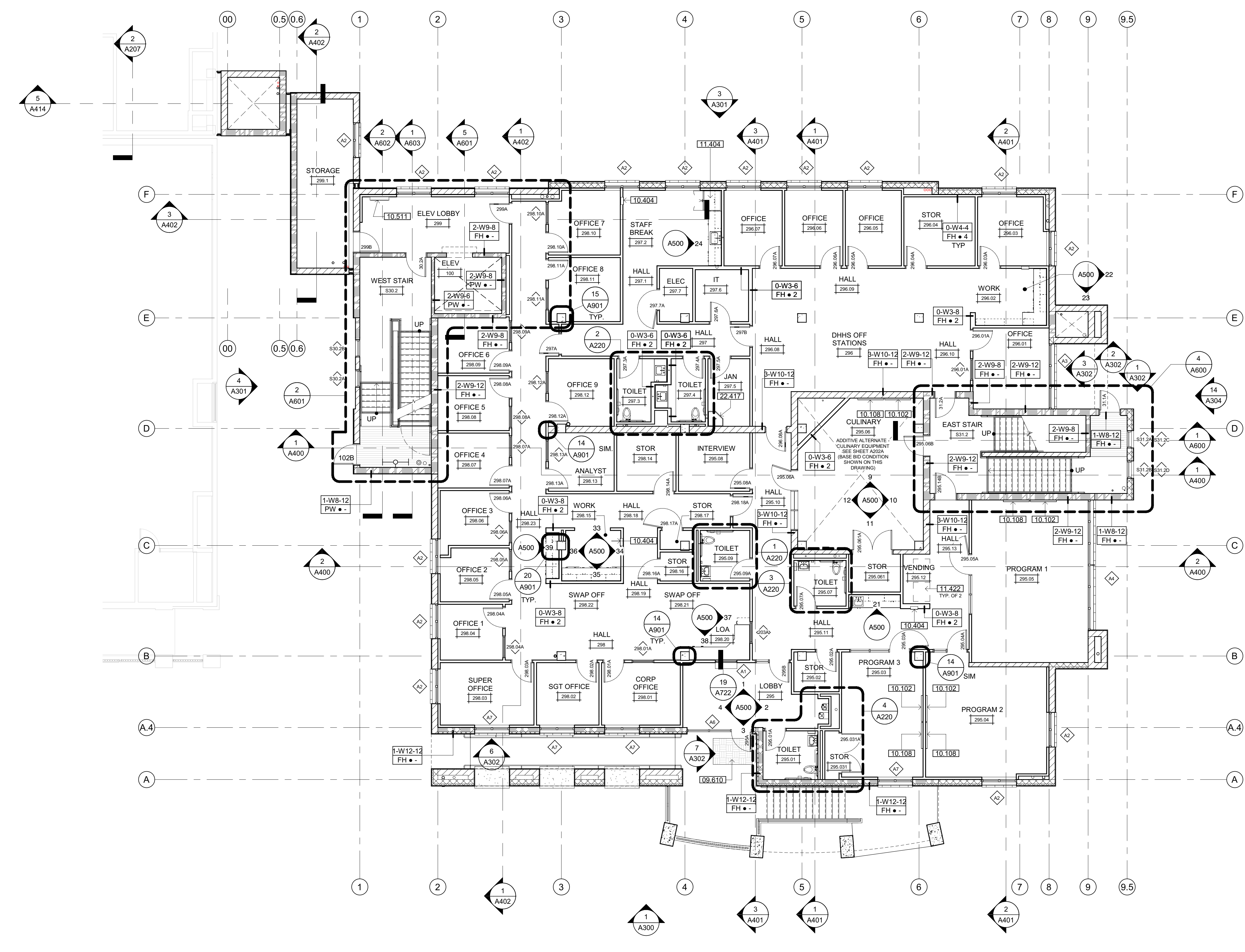
Delta	Description	Date

Drawn By: AMP/KIP  
Date Issued: 09.19.2022  
Scale: As indicated  
Project No.: 16-642.1.00

SHEET No.  
**A201 V4**

Plot Date: 09/20/2022 1:30:44 PM  
File Name: D:\16\1601\InRoads\Co. Connections Re-Entry Resource\_Ctr\_A1\_MCR-Rev-Entry.rvt





## FLOOR PLAN LEVEL 2

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

### SHEET NOTES

- 09.610 WALK OFF CARPET - SEE FINISH SCHEDULE
- 10.102 ELECTRONIC MARKERBOARD - SEE DETAIL 12/A02, SIM
- 10.105 4" X 4" MARKERBOARD - SEE DETAIL 12/A02
- 10.404 SEMI-RECESSED FIRE EXTINGUISHER & CABINET - SEE DETAIL 18/A970
- 10.511 SURFACE MOUNTED WEAPONS LOCKER
- 11.404 REFRIGERATOR
- 11.422 VENDING MACHINE - OFO
- 22.417 FLOOR SINK



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**ARCHITECT OF RECORD**

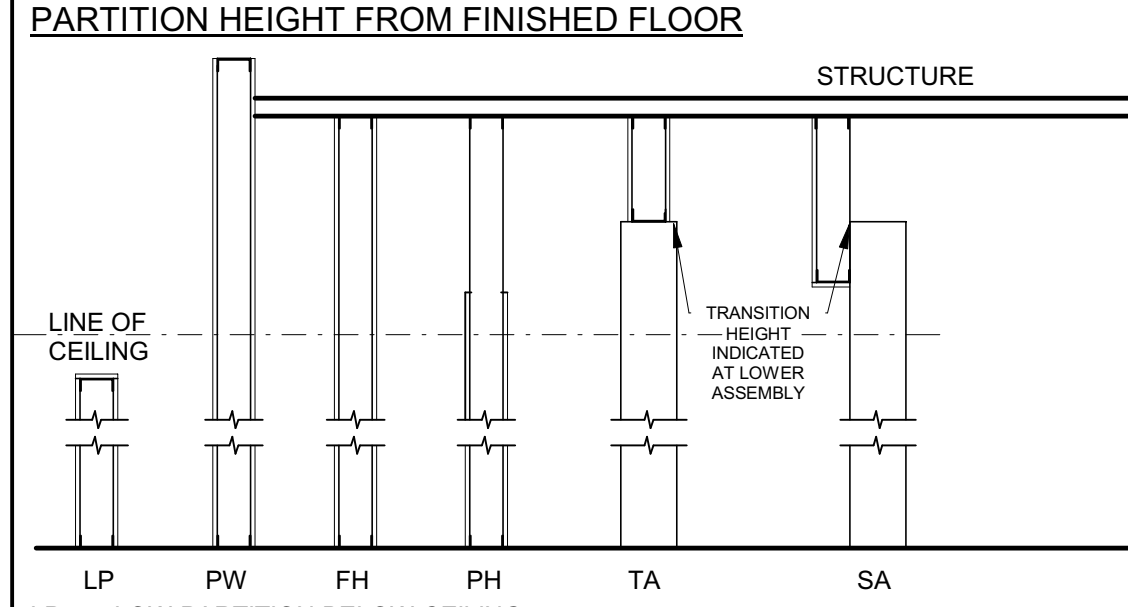
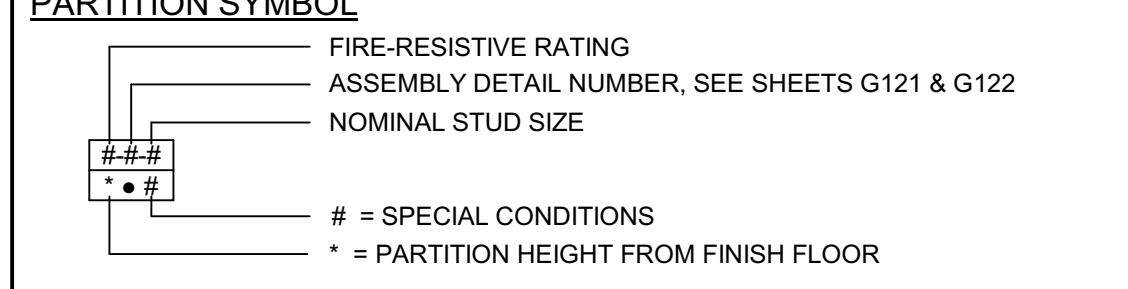
**NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS**  
 CONSULTING ARCHITECT  
**LIONAKIS**  
 CONSULTANTS

### GENERAL NOTES

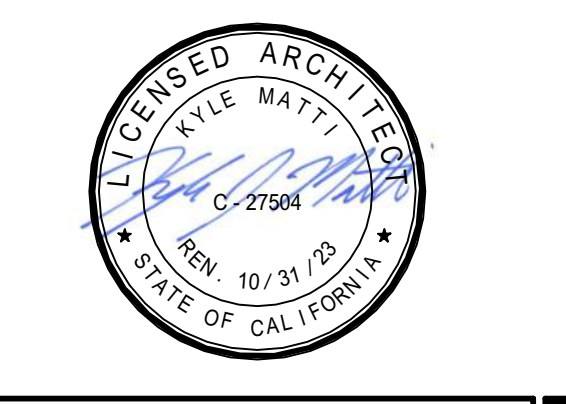
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3. REFER TO FINISH SCHEDULE (SHEET A900) FOR WALL, FLOOR AND CEILING FINISHES AS WELL AS MISCELLANEOUS SPECIALTIES NOT IDENTIFIED OR ILLUSTRATED HEREIN.
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### PARTITION LEGEND

1. REFER TO G120 FOR CEILING, ROOF, FLOOR & COLUMN ASSEMBLIES.
2. REFER TO G121 & G122 FOR WALL ASSEMBLY DETAILS.
3. REFER TO G123 & G124 FOR THROUGH-PENETRATION DETAILS.
4. REFER TO G125 FOR JOINT ASSEMBLY DETAILS.
5. REFER TO A901 FOR METAL FRAMED PARTITION NOTES AND DETAILS.
6. REFER TO STRUCTURAL FOR TOP OF CMU WALL DETAILS.



### LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**FLOOR PLAN - LEVEL 2**

DRAWING STATUS  
**WORKING DRAWINGS**

### REVISIONS

Delta	Description	Date

Drawn By: AMP/KIP  
 Date Issued: 09.19.2022  
 Scale: As indicated  
 Project No.: 16-6421.00

## SHEET No. A202 V4

### PARTITION PRIORITY LEGEND

**PARTITION PRIORITY LEGEND**

- TWO HOUR FIRE AND/OR SMOKE PARTITION — PRIORITY 1 (HIGHEST)
- THREE HOUR FIRE AND/OR SMOKE PARTITION — PRIORITY 2
- TWO HOUR FIRE PARTITION — PRIORITY 3
- ONE HOUR FIRE PARTITION — PRIORITY 4
- ONE HOUR FIRE AND/OR SMOKE PARTITION — PRIORITY 5
- NON-RATED PARTITION — PRIORITY 6 (LOWEST)

**NOTE:**  
 1. NOT ALL LISTED PARTITIONS MAY BE USED. SEE PLANS FOR PARTITION CALL-OUTS.  
 2. PARTITIONS DESIGNATED HIGHER PRIORITY SHALL BE CONTINUOUS THROUGH INTERSECTIONS.

### SECURITY PLAN LEVEL 2

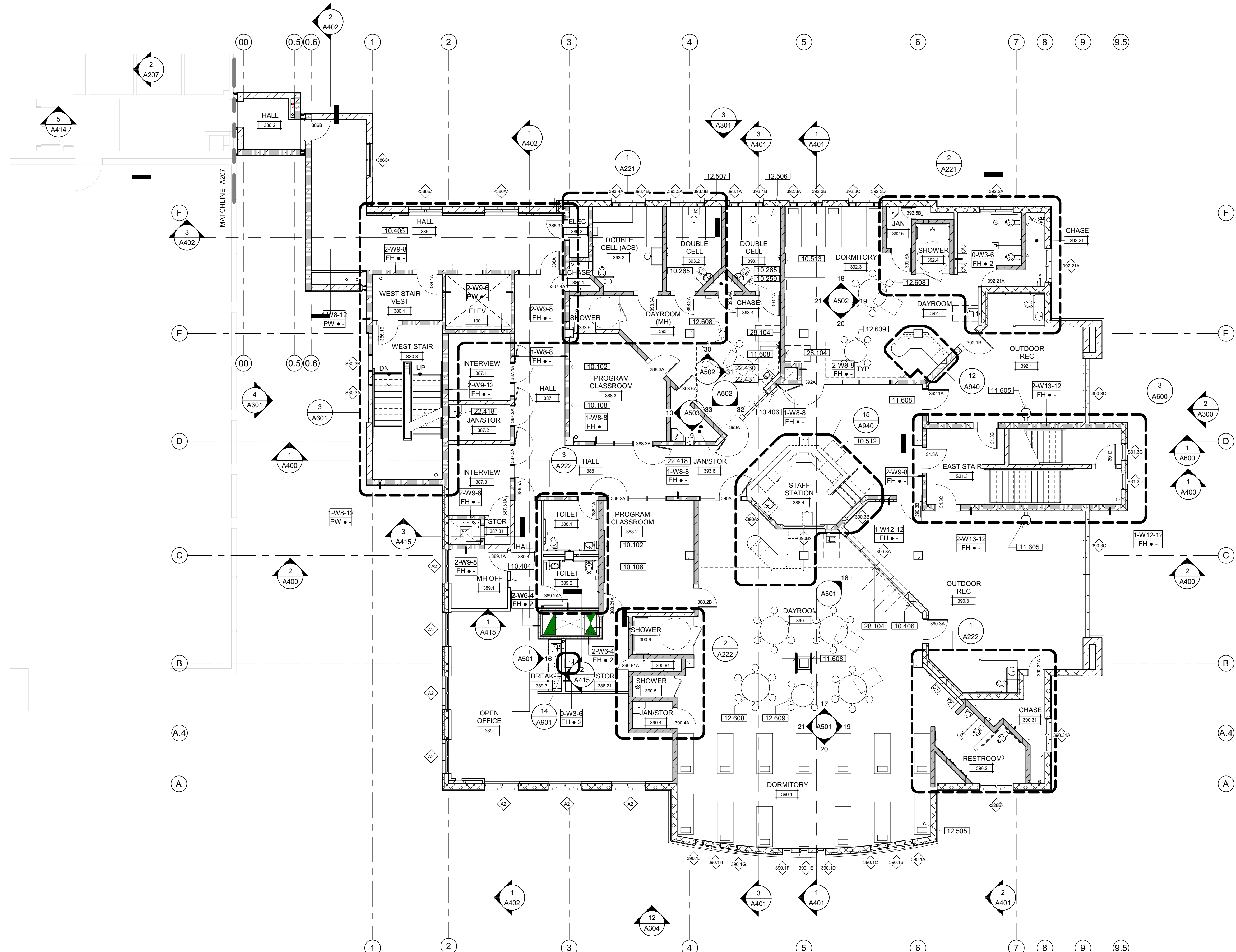
--- IMPACT RESISTANT WALLS

### FLOOR PLAN LEGEND

REFER TO DRAWINGS A211, A212, A213 & A214 FOR DIMENSIONED FLOOR PLANS.

<ul style="list-style-type: none"> <li>--- LINE OF WALL BELOW GRADE</li> <li>AA WINDOW AND NUMBER, REFER TO DRAWING A720 FOR WINDOW SCHED</li> <li>UPPER CABINET SINK AS OCCURS</li> <li>CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION</li> <li>BASE CABINET &amp; COUNTERTOP</li> <li>ROOFTOP WALKWAY MATS</li> <li>3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS — SEE DETAIL W14/G122</li> <li>3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS — SEE DETAIL W12/G122</li> <li>3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS — SEE DETAIL W13/G122</li> <li>NON-RATED 12" INSULATED CMU NON-BEARING WALL — SEE DETAIL W11/G122</li> </ul>	<ul style="list-style-type: none"> <li>DOOR AND/OR FRAME AND NUMBER, REFER TO SHEET A710 FOR DOOR SCHED</li> <li>3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS — SEE DETAIL W10/G122</li> <li>3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS — SEE DETAIL W8/G122</li> <li>3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS — SEE DETAIL W9/G122</li> <li>3 HOUR CMU BEARING FIRE WALL — SEE DETAIL W17/G122</li> <li>NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS — SEE DETAIL W7/G122</li> <li>3 HOUR CONCRETE RETAINING FIRE WALL — SEE DETAIL W16/G122</li> <li>NON-RATED CONCRETE SITE RETAINING WALL — SEE DETAIL W15/G122</li> <li>METAL STUD WALL 1 HOUR PROTECTED OPENINGS — SEE DETAIL W5/G121</li> <li>METAL STUD WALL 2 HOUR PROTECTED OPENINGS — SEE DETAIL W6/G121</li> <li>NON-RATED METAL STUD WALL — SEE DETAILS W3/G121 &amp; W4/G121</li> </ul>
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## FLOOR PLAN LEVEL 3

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

### SHEET NOTES

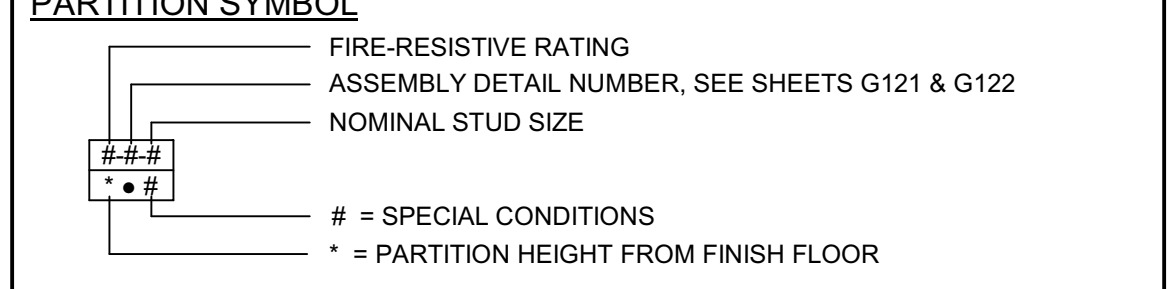
- 10.102 ELECTRONIC MARKERBOARD - SEE DETAIL 12/A962, SIM
- 10.108 4'0" x 4'0" MARKERBOARD - SEE DETAIL 12/A962
- 10.259 TYPICAL MODESTY SCREEN - SEE DETAIL 11/A961
- 10.265 WALL MOUNTED DETENTION MIRROR - SEE DETAIL 15/A961
- 10.404 SEMI-RECESSED FIRE EXTINGUISHER & CABINET - SEE DETAIL 18/A970
- 10.405 RECESSED FIRE EXTINGUISHER & CABINET
- 10.406 WALL MOUNTED SECURITY FIRE EXTINGUISHER & CABINET
- 10.512 TABLE STORAGE CABINET ON CASTERS, OFCI
- 10.513 DETENTION HOOK STRIP
- 11.605 WALL MOUNT BASKETBALL HOOP AND BACKSTOP 15/A820
- 11.608 WALL MOUNTED TELEVISION & BRACKET
- 12.505 FULLY WELDED STEEL DOUBLE BUNK WITH PROPERTY CUBBY - SEE DETAIL 1/A962
- 12.506 CONCRETE BUNK - SEE DETAIL 3/A961
- 12.507 WALL MOUNTED BUILT-IN DETENTION DESK - SEE DETAIL 4/A961
- 12.608 6 SEAT ROUND DETENTION TABLE
- 12.609 4 SEAT ROUND DETENTION TABLE
- 22.418 FLOOR MOUNTED SINK
- 22.430 WALL MOUNTED HOT WATER DISPENSER
- 22.431 WALL HUNG DETENTION DRINKING FOUNTAIN
- 28.104 WALL MOUNTED VIDEO VISITATION, OFCI

### GENERAL NOTES

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4. REFER TO G125 FOR JOINT ASSEMBLY DETAILS.
5. REFER TO A901 FOR METAL FRAMED PARTITION NOTES AND DETAILS.
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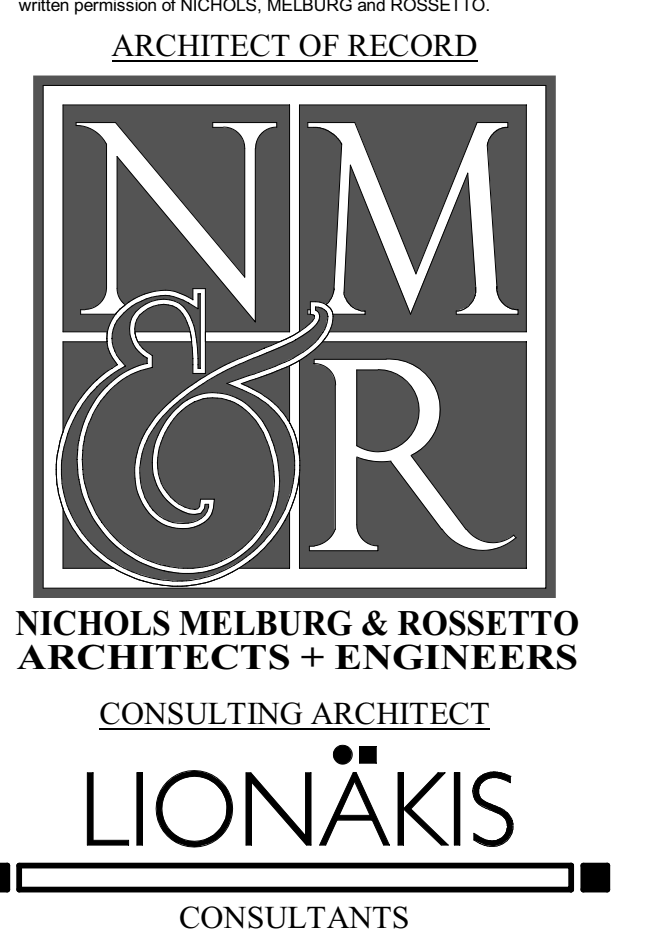
- LP = LOW PARTITION BELOW CEILING.
- PW = FULL HEIGHT PARAPET WALL, WHERE OCCURS, (AT METAL STUD WALLS) CONTINUOUS SHEATHING ON BOTH SIDES.
- FH = FULL HEIGHT PARTITION TO STRUCTURE ABOVE, WHERE OCCURS, (AT METAL STUD WALLS) SHEATHING EXTENDED TO UNDERSIDE OF STRUCTURE ON BOTH SIDES.
- PH = PARTIAL HEIGHT PARTITION WITH DIAGONAL BRACING, WHERE OCCURS, (AT METAL STUD WALLS) SHEATHING EXTENDED TO 6" ABOVE CEILING HEIGHT.
- TA = FULL HEIGHT PARTITION WITH TRANSITIONED ASSEMBLIES TO UNDERSIDE OF STRUCTURE. TRANSITION HEIGHT IS INDICATED AT LOWER ASSEMBLY. ALL RATINGS AND PROTECTION OF OPENINGS SHALL CONTINUE THE ENTIRE HEIGHT OF PARTITION.
- SA = FULL HEIGHT PARTITION WITH STAGGERED ASSEMBLIES TO UNDERSIDE OF STRUCTURE. TRANSITION HEIGHT IS INDICATED AT LOWER ASSEMBLY. ALL RATINGS AND PROTECTION OF OPENINGS SHALL CONTINUE THE ENTIRE HEIGHT OF PARTITION.
- SPECIAL CONDITIONS**
- 1 = ACOUSTICAL ATTENUATION BATT INSULATION - 6" MIN. ABOVE CLG. HEIGHT/ R-11
  - 2 = ACOUSTICAL ATTENUATION BATT INSULATION - FULL STUD HEIGHT/ R-11
  - 3 = FIBERGLASS BATT INSULATION - 6" MINIMUM ABOVE CEILING HEIGHT (SEE SPECIFICATIONS FOR R-VALUES)
  - 4 = FIBERGLASS BATT INSULATION - FULL STUD HEIGHT (SEE SPECIFICATIONS FOR R-VALUES)

### CODE REQUIREMENTS

- PER CBC 11B-226.1 AT LEAST 5% OF THE EATING SPACES AT THE DINING SURFACES SHALL COMPLY WITH CBC 11B-902
- DAY ROOM 390: 28 SEATING SPACES PROVIDED  
5% REQUIRED TO BE ACCESSIBLE = 1.4 SPACES  
2 SPACES PROVIDED
- DAY ROOM 392: 10 SEATING SPACES PROVIDED  
5% REQUIRED TO BE ACCESSIBLE = 0.5 SPACES  
1 SPACE PROVIDED
- IDAY ROOM 393: 6 SEATING SPACES PROVIDED  
5% REQUIRED TO BE ACCESSIBLE = 0.3 SPACES  
1 SPACE PROVIDED



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**FLOOR PLAN - LEVEL 3**

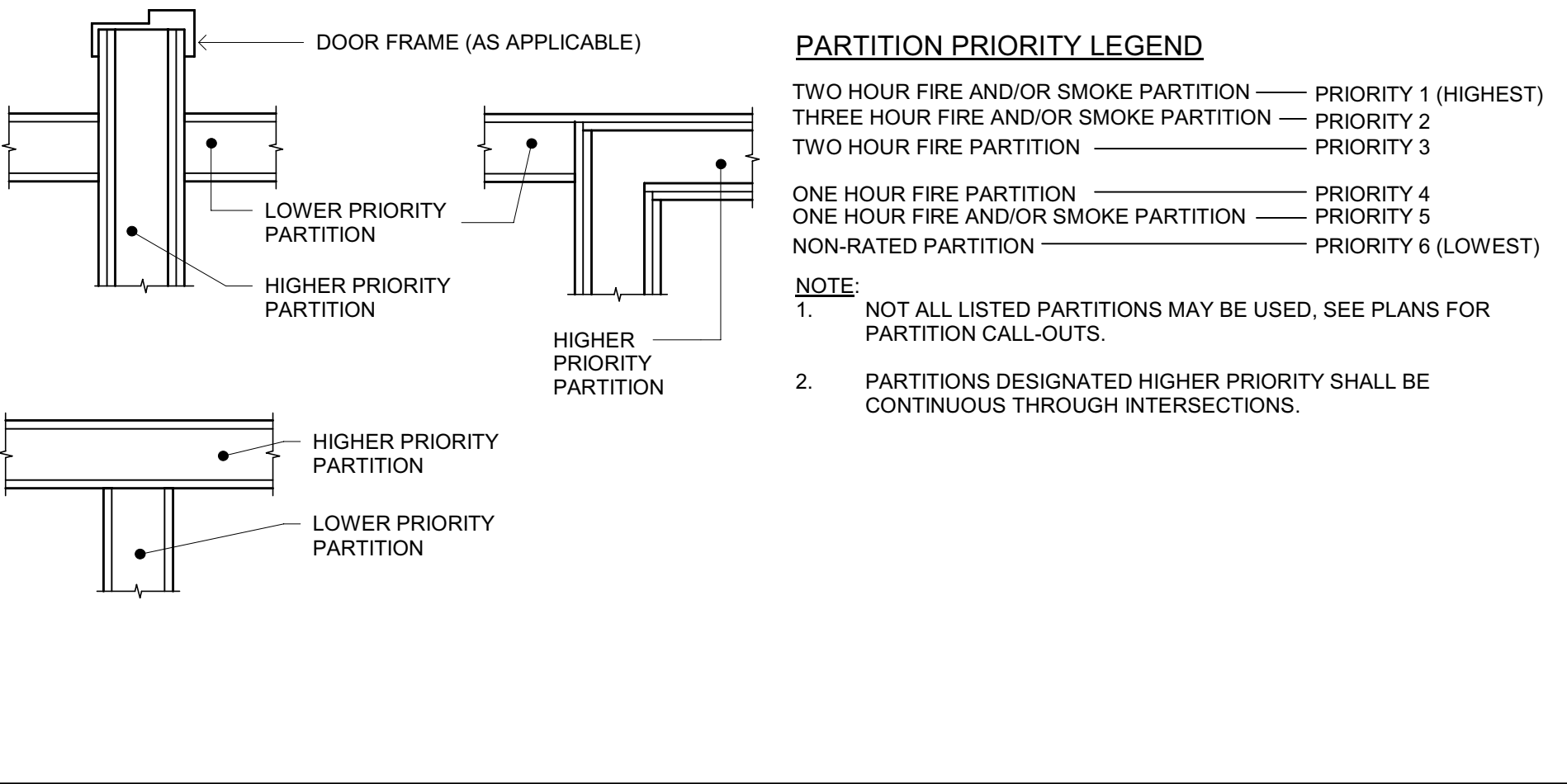
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

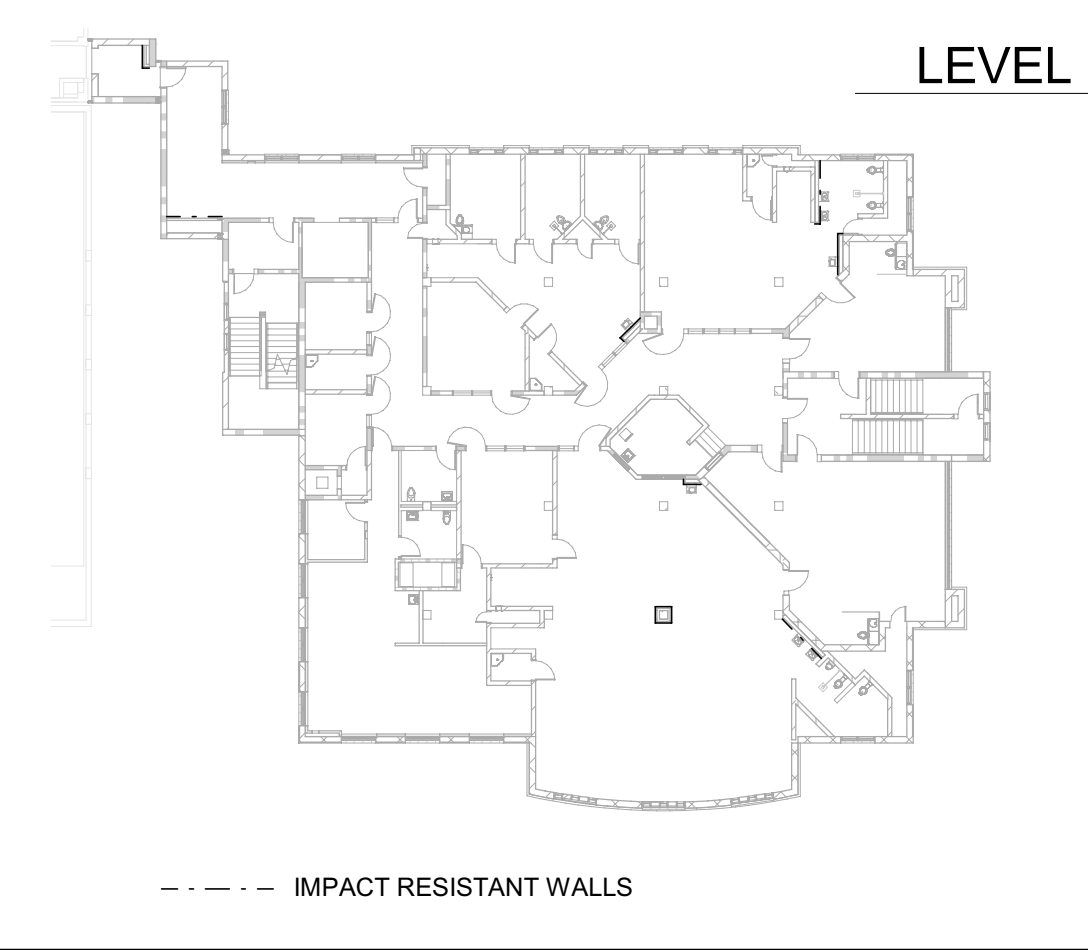
Drawn By **AMP/KIP**  
Date Issued **09.19.2022**  
Scale **As indicated**  
Project No. **16-642.1.00**

SHEET No.  
**A203 V4**

### PARTITION PRIORITY LEGEND

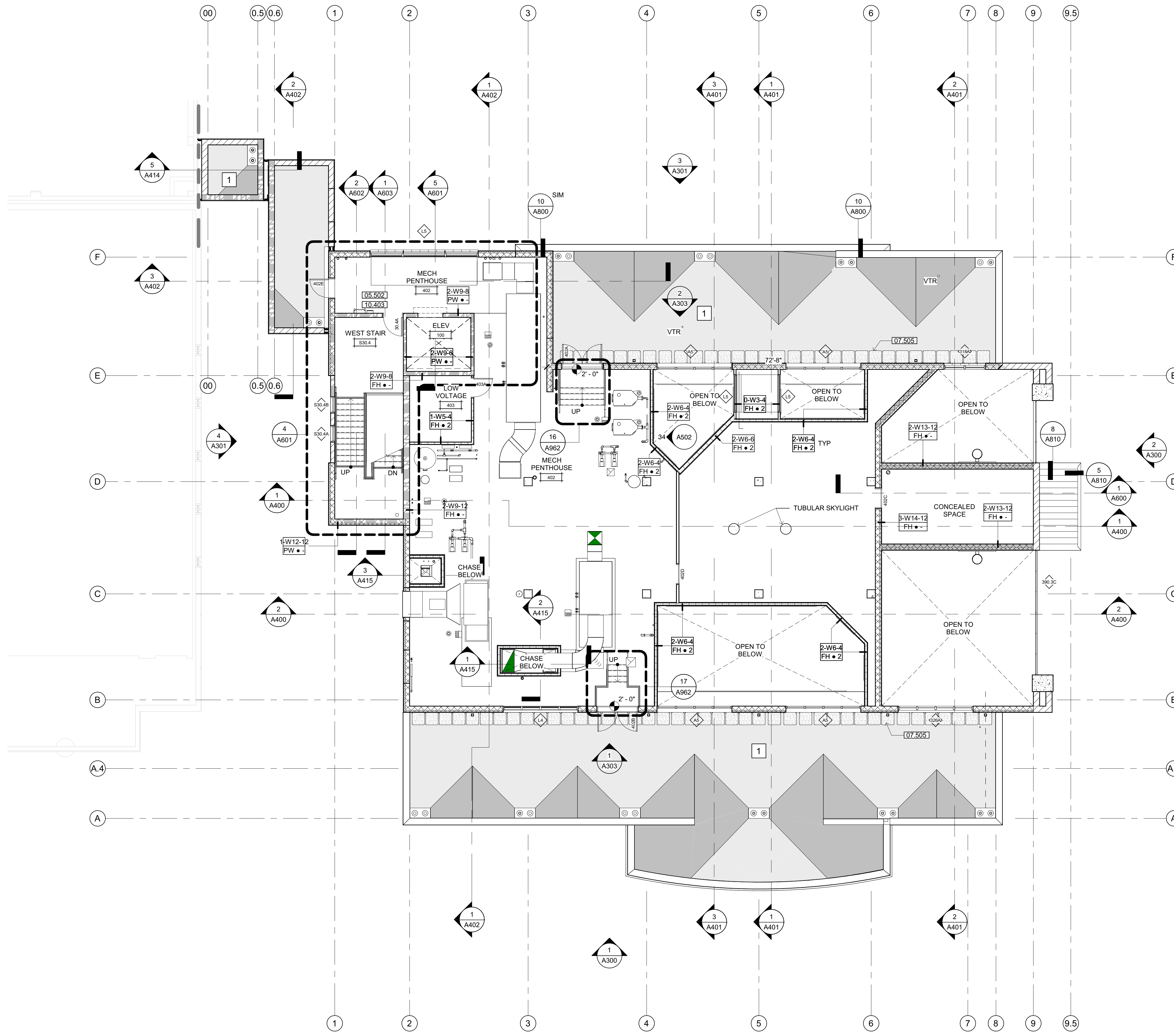


### SECURITY PLAN



### FLOOR PLAN LEGEND

- REFER TO DRAWINGS A211, A212, A213 & A214 FOR DIMENSIONED FLOOR PLANS.
- LINE OF WALL BELOW GRADE
  - WINDOW AND NUMBER, REFER TO DRAWING A720 FOR WINDOW SCHED
  - UPPER CABINET SINK AS OCCURS
  - CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
  - BASE CABINET & COUNTERTOP
  - DOOR AND/OR FRAME AND NUMBER, REFER TO SHEET A710 FOR DOOR SCHED
  - ROOFTOP WALKWAY MATS
  - 3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS — SEE DETAIL W14/G122
  - 3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS — SEE DETAIL W12/G122
  - 3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS — SEE DETAIL W13/G122
  - NON-RATED 12" INSULATED CMU NON-BEARING WALL — SEE DETAIL W11/G122
  - 3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS — SEE DETAIL W10/G122
  - 3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS — SEE DETAIL W8/G122
  - 3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS — SEE DETAIL W9/G122
  - 3 HOUR CMU BEARING FIRE WALL — SEE DETAIL W17/G122
  - NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS — SEE DETAIL W7/G122
  - 3 HOUR CONCRETE RETAINING FIRE WALL — SEE DETAIL W16/G122
  - NON-RATED CONCRETE SITE RETAINING WALL — SEE DETAIL W15/G122
  - METAL STUD WALL 1 HOUR PROTECTED OPENINGS — SEE DETAIL W5/G121
  - METAL STUD WALL 2 HOUR PROTECTED OPENINGS — SEE DETAIL W6/G121
  - NON-RATED METAL STUD WALL — SEE DETAILS W3/G121 & W4/G121



## FLOOR PLAN LEVEL 4

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

### SHEET NOTES

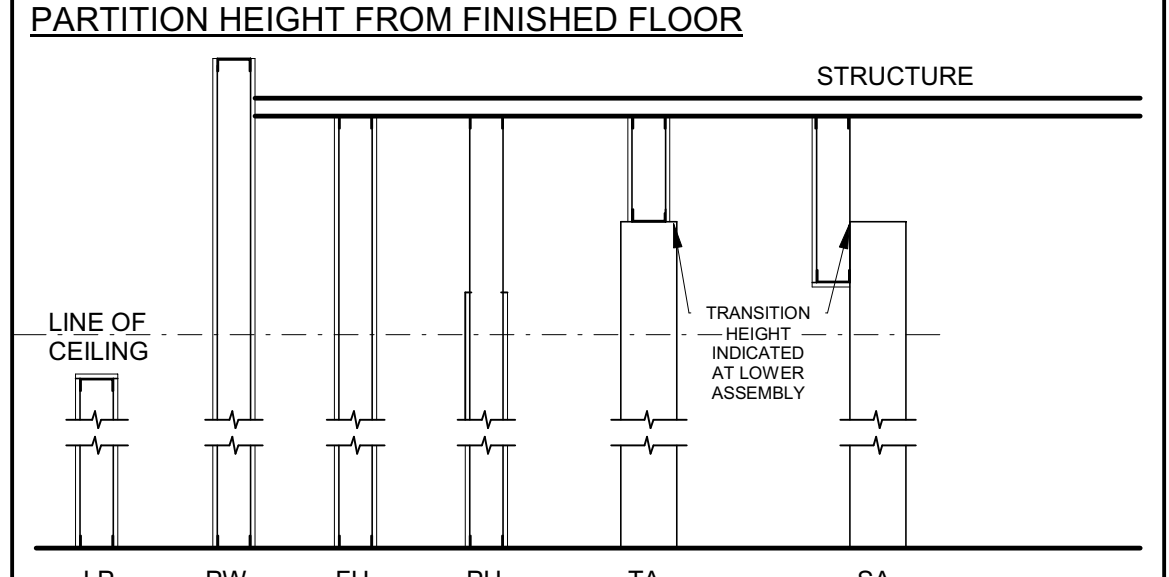
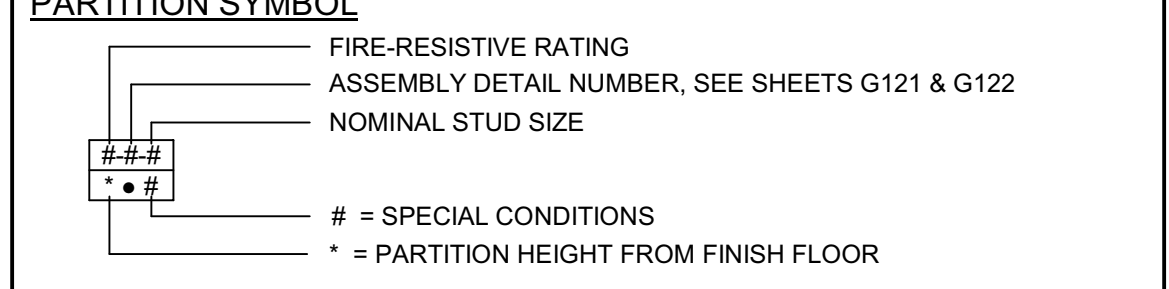
- 1 REFER TO SHEET A205 FOR ROOF PLAN
- 05.502 ACCESS LADDER
- 07.505 ROOFTOP WALKWAY MAT
- 10.403 SURFACE MOUNTED FIRE EXTINGUISHER & CABINET - SEE DETAIL 19/A970

### GENERAL NOTES

- STRUCTURAL GRID LINES TO FACE OF STRUCTURE (STUD / MASONRY) OR TO CENTERLINE OF COLUMN (WHERE APPLICABLE) TYPICAL.
- REFER TO STRUCTURAL, MECHANICAL / PLUMBING, ELECTRICAL, FIRE PROTECTION, SECURITY ELECTRONICS, & LOW VOLTAGE DRAWINGS FOR ADDITIONAL CONSTRUCTION FEATURES, SYSTEMS, FIXTURES AND EQUIPMENT NOT IDENTIFIED OR ILLUSTRATED HEREIN.
- REFER TO FINISH SCHEDULE (SHEET A900) FOR WALL, FLOOR AND CEILING FINISHES AS WELL AS MISCELLANEOUS SPECIALTIES NOT IDENTIFIED OR ILLUSTRATED HEREIN.
- EXTERIOR WALL CONSTRUCTION IS SHOWN AT WALL SECTIONS & CORRESPONDING DETAILS. PARTITION SYMBOLS ARE USED FOR THE PURPOSE OF SHOWING INTERIOR CONDITIONS, INCLUDING INTERIOR FURRING OF EXTERIOR WALLS.
- PARTITION TYPES AS DESIGNATED BY PARTITION SYMBOL CONTINUE BETWEEN CORNERS OF ROOM / SPACE OR ANY INTERSECTING PARTITION.
- SEE PARTITION PRIORITY LEGEND FOR PRIORITIZATION OF INTERSECTING PARTITIONS.
- DIFFERING PARTITION TYPES SHALL ALIGN SO THAT PARTITION FINISH PLANES CONTINUE UNBROKEN WITHIN AND/OR ACROSS SPACES.
- IN CASES WHERE TWO DIFFERENT CEILING HEIGHTS ABUT PARTITIONS, THE PARTITION SHALL EXTEND ABOVE THE HIGHEST CEILING INDICATED.
- PARTITIONS INDICATED AS FIRE OR SMOKE RATED FORM A SEPARATION THAT SHALL BE CONTINUOUS (FROM FLOOR TO STRUCTURE ABOVE) WITH NO BREAKS AT CONCEALED SPACES, COLUMNS, TRANSITIONS OR OTHER OBSTRUCTIONS.
- THE PARTITION TYPE ABOVE OR BELOW ANY OPENING IS TO BE THE SAME AS THAT SCHEDULED FOR EITHER SIDE OF THE OPENING, UNLESS NOTED OTHERWISE.
- PENETRATIONS THROUGH RATED PARTITIONS SHALL BE SEALED WITH UL LISTED FIRE/SMOKE STOP ASSEMBLY.
- FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING.
  - AT ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
  - INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT w/ A MIN. 3/8" STROKE IN A CONTRASTING COLOR, INCORPORATING THE SUGGESTED LANGUAGE "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS," OR SIMILAR WORDING PER CBC 703.7.

### PARTITION LEGEND

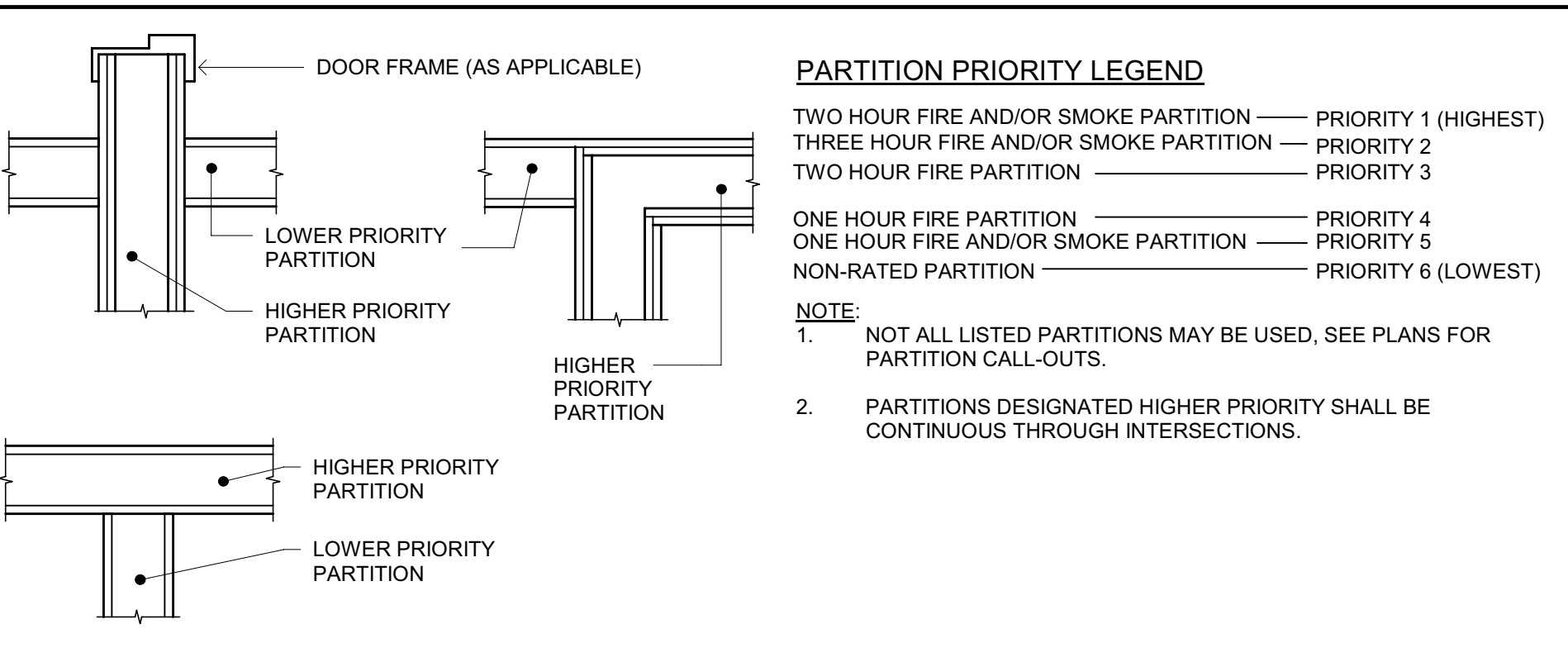
- REFER TO G120 FOR CEILING, ROOF, FLOOR & COLUMN ASSEMBLIES.
- REFER TO G121 & G122 FOR WALL ASSEMBLY DETAILS.
- REFER TO G123 & G124 FOR THROUGH-PENETRATION DETAILS.
- REFER TO G125 FOR JOINT ASSEMBLY DETAILS.
- REFER TO A901 FOR METAL FRAMED PARTITION NOTES AND DETAILS.
- REFER TO STRUCTURAL FOR TOP OF CMU WALL DETAILS.



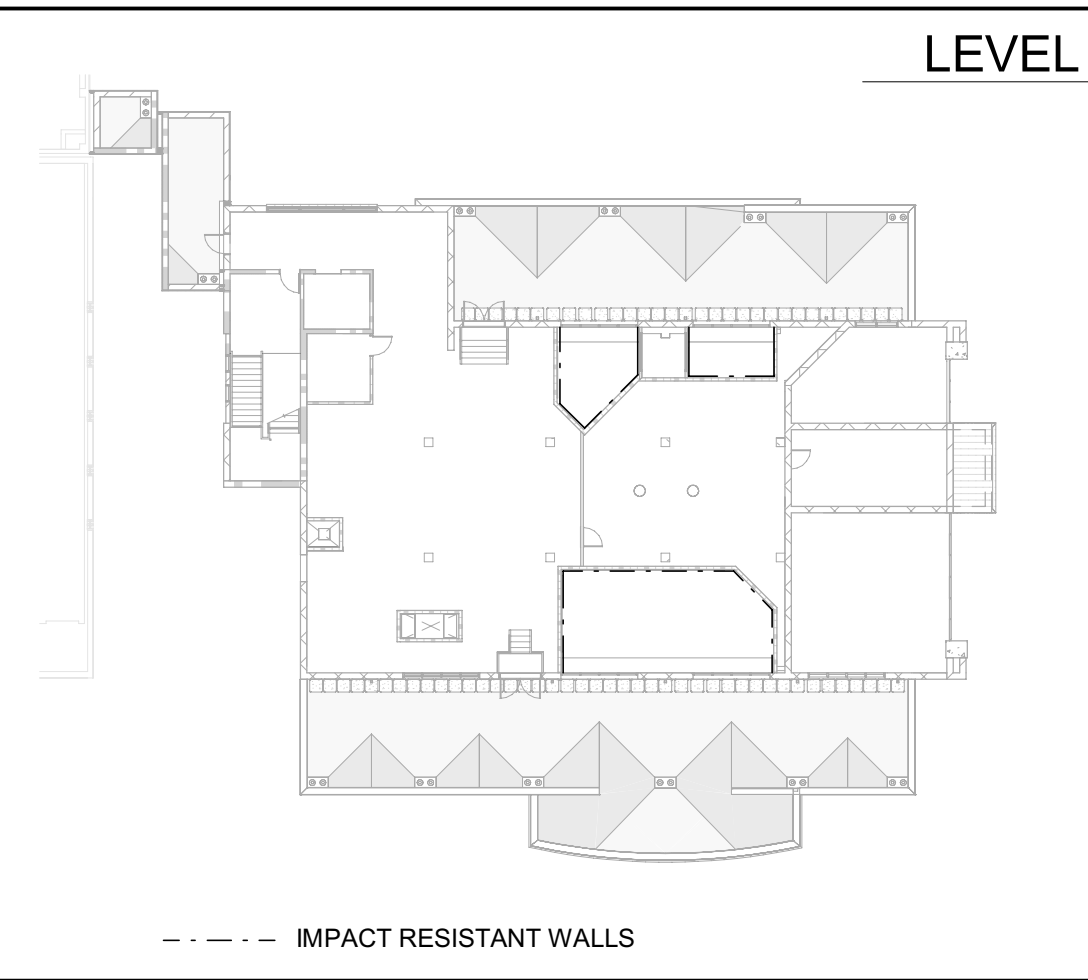
- LP = LOW PARTITION BELOW CEILING.
- PW = FULL HEIGHT PARAPET WALL, WHERE OCCURS, (AT METAL STUD WALLS) CONTINUOUS SHEATHING ON BOTH SIDES.
- FH = FULL HEIGHT PARTITION TO STRUCTURE ABOVE, WHERE OCCURS, (AT METAL STUD WALLS) SHEATHING EXTENDED TO UNDERSIDE OF STRUCTURE ON BOTH SIDES.
- PH = PARTIAL HEIGHT PARTITION WITH DIAGONAL BRACING, WHERE OCCURS, (AT METAL STUD WALLS) SHEATHING EXTENDED TO 6" ABOVE CEILING HEIGHT.
- TA = FULL HEIGHT PARTITION WITH TRANSITIONED ASSEMBLIES TO UNDERSIDE OF STRUCTURE. TRANSITION HEIGHT IS INDICATED AT LOWER ASSEMBLY. ALL RATINGS AND PROTECTION OF OPENINGS SHALL CONTINUE THE ENTIRE HEIGHT OF PARTITION.
- SA = FULL HEIGHT PARTITION WITH STAGGERED ASSEMBLIES TO UNDERSIDE OF STRUCTURE. TRANSITION HEIGHT IS INDICATED AT LOWER ASSEMBLY. ALL RATINGS AND PROTECTION OF OPENINGS SHALL CONTINUE THE ENTIRE HEIGHT OF PARTITION.

- SPECIAL CONDITIONS**
- ACOUSTICAL ATTENUATION BATT INSULATION - 6" MIN. ABOVE CLG. HEIGHT/ R-11
  - ACOUSTICAL ATTENUATION BATT INSULATION - FULL STUD HEIGHT/ R-11
  - FIBERGLASS BATT INSULATION - 6" MINIMUM ABOVE CEILING HEIGHT (SEE SPECIFICATIONS FOR R-VALUES)
  - FIBERGLASS BATT INSULATION - FULL STUD HEIGHT (SEE SPECIFICATIONS FOR R-VALUES)

### PARTITION PRIORITY LEGEND



### SECURITY PLAN



### FLOOR PLAN LEGEND

- LINE OF WALL BELOW GRADE
- AA WINDOW AND NUMBER, REFER TO DRAWING A720 FOR WINDOW SCHED
- UPPER CABINET SINK AS OCCURS
- CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
- BASE CABINET & COUNTERTOP
- ROOFTOP WALKWAY MATS
- 3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS — SEE DETAIL W14/G122
- 3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS — SEE DETAIL W12/G122
- 3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS — SEE DETAIL W13/G122
- NON-RATED 12" INSULATED CMU NON-BEARING WALL — SEE DETAIL W11/G122
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- 3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS — SEE DETAIL W8/G122
- 3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS — SEE DETAIL W9/G122
- 3 HOUR CMU BEARING FIRE WALL — SEE DETAIL W17/G122
- NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS — SEE DETAIL W7/G122
- 3 HOUR CONCRETE RETAINING FIRE WALL — SEE DETAIL W16/G122
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- METAL STUD WALL 2 HOUR PROTECTED OPENINGS — SEE DETAIL W6/G121
- NON-RATED METAL STUD WALL — SEE DETAILS W3/G121 & W4/G121



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Architect of Record

NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS

CONSULTANTS

LIONAKIS CONSULTANTS

LICENSE STAMPS

PROJECT NAME

**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**

929 5th STREET EUREKA, CA 95501

SHEET TITLE

**FLOOR PLAN - LEVEL 4**

DRAWING STATUS

**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By: AMP/KIP

Date Issued: 09.19.2022

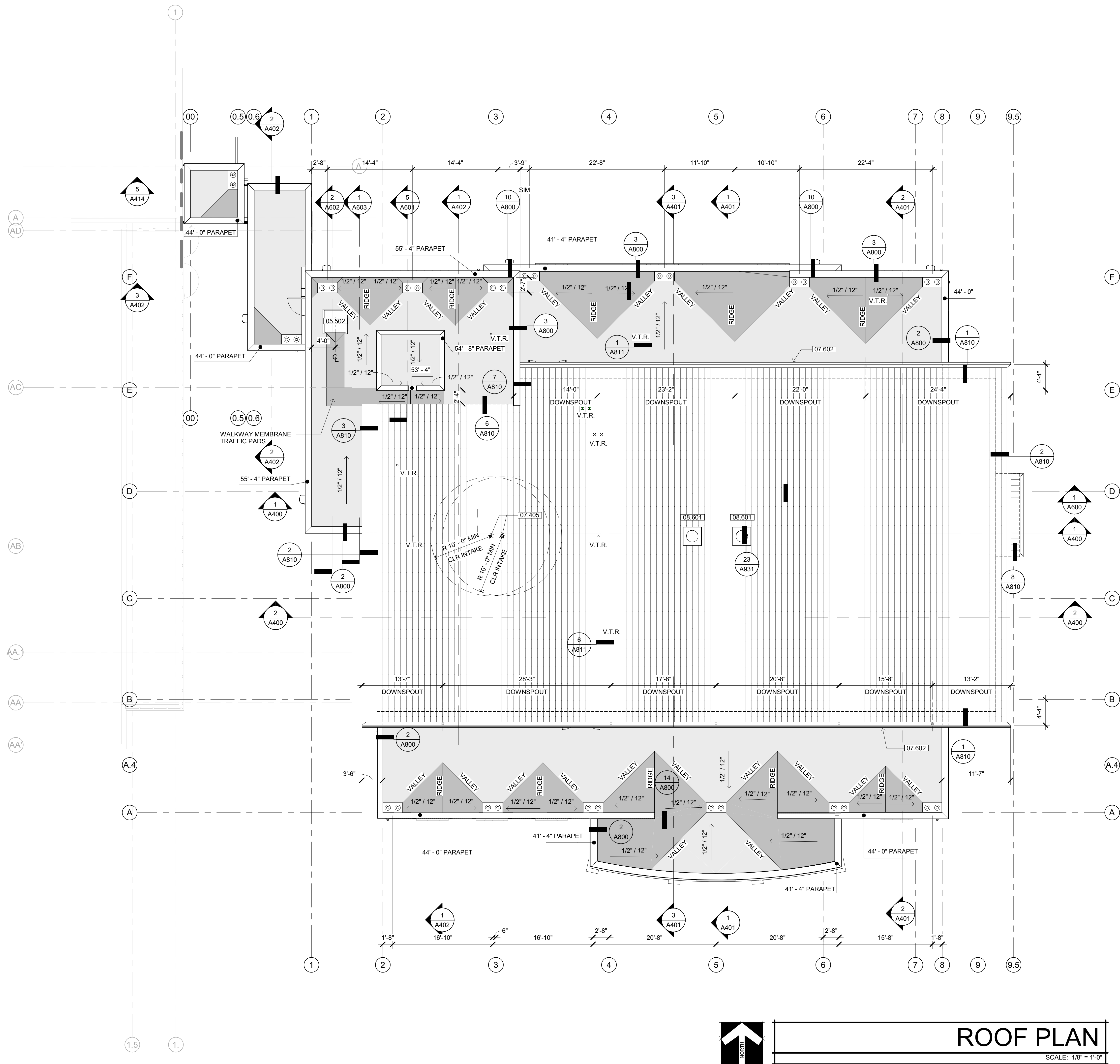
Scale: As indicated

Project No.: 16-6421.00

SHEET No.

**A204 V4**

Plot Date: 9/20/2022 1:31:16 PM  
 File Name: 16-6421.00-16-6421.00-Connections Re-Entry Resource Ctr\_A\_MCR-Rev-Entry.rvt



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

### SHEET NOTES

- 05.502 ACCESS LADDER
- 07.405 SUB-SURFACE PIPE VENT THROUGH METAL ROOF SYSTEM - SEE DETAIL 6/A811 & SHEET A050
- 07.602 PRE-FINISHED METAL GUTTER
- 08.601 TUBULAR SKYLIGHT

### GENERAL NOTES

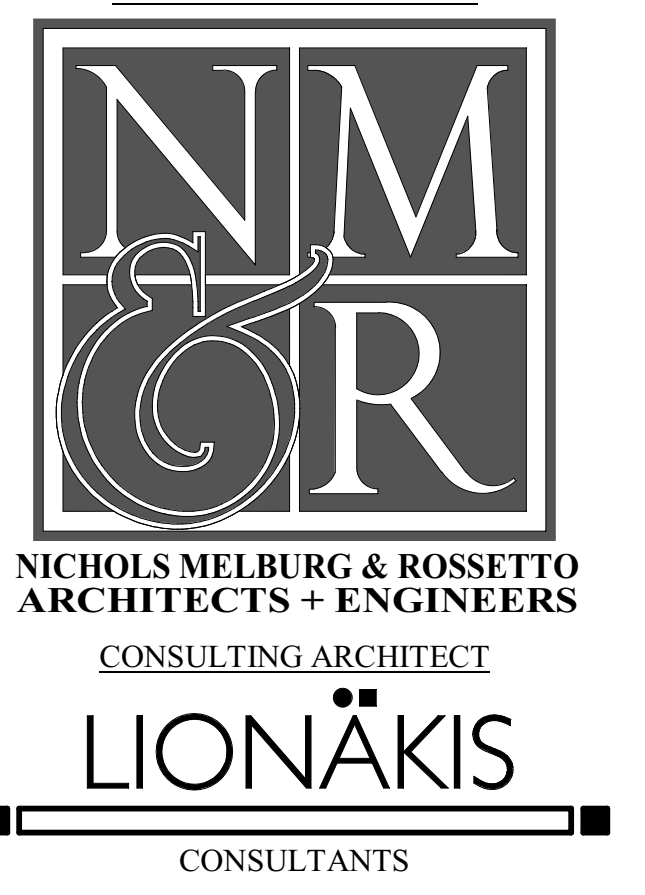
- A. REFER TO STRUCTURAL, MECHANICAL / PLUMBING, ELECTRICAL, FIRE PROTECTION, SECURITY ELECTRONICS, & LOW VOLTAGE DRAWINGS FOR ADDITIONAL CONSTRUCTION FEATURES, SYSTEMS, FIXTURES AND EQUIPMENT NOT IDENTIFIED OR ILLUSTRATED HEREIN.
- B. PARAPET HEIGHTS NOTED ARE FROM REFERENCE 0'-0" FINISH FLOOR ELEVATION OF LEVEL ONE.

### ROOF PLAN LEGEND

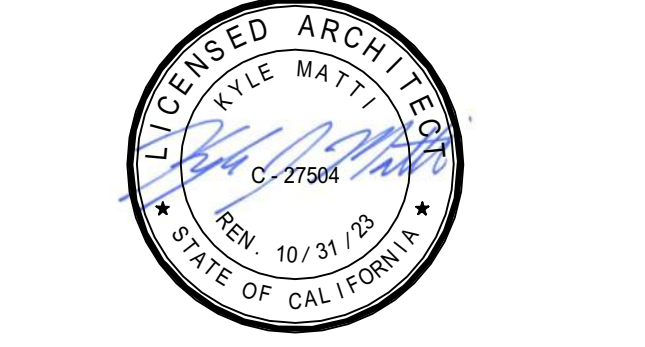
- CLASS A MEMBRANE ROOFING O/ UNDERLAYMENT BOARD O/ 6" MIN RIGID INSULATION
- CLASS A MEMBRANE ROOFING O/ UNDERLAYMENT BOARD O/ TAPERED RIGID INSULATION CRICKET
- CLASS A METAL ROOFING OVER 6" MINIMUM RIGID INSULATION OVER METAL DECK
- ROOF DRAIN & INTEGRAL OVERFLOW - SEE DETAIL 4/A811
- TUBULAR SKYLIGHT



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### LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**ROOF PLAN**

DRAWING STATUS  
**WORKING DRAWINGS**

### REVISIONS

Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
A205 V4

EQUIPMENT SCHEDULE			
ITEM	DESCRIPTION	MANUFACTURER	MODEL NUMBER
1	REFRIGERATOR	VICTORY	RS-2N-S1-HD
2	HAND SINK	CUSTOM FABRICATED	SEE ELEVATIONS
3	BACK COUNTER WITH SINKS	CUSTOM FABRICATED	SEE ELEVATIONS
4	OPEN BURNER RANGE	VULCAN	VHP36
5	COOKING COUNTER	CUSTOM FABRICATED	SEE ELEVATIONS
6	MICROWAVE	ACP AMANA	RCS10DSE
7	EXHAUST HOOD (TYPE-I)	STREIVOR AIR SYSTEMS	ISFL-CR 200 54 63 30
8	FIRE SUPPRESSION SYSTEM	STREIVOR AIR SYSTEMS	HUG/PYRO-CHEM KITCHEN KNIGHT II

### ADDITIVE ALTERNATE GENERAL NOTES

- THE ADDITIVE ALTERNATE INCLUDES BUT IS NOT LIMITED TO THE EQUIPMENT LISTED IN THE EQUIPMENT SCHEDULE. ALL PLUMBING, VENTILATION AND ELECTRICAL ASSOCIATED WITH EQUIPMENT, GREASE INTERCEPTOR AND ASSOCIATED PLUMBING & EARTHWORK.
- ALL FINISHES ARE TO BE INCLUDED IN THE BASE BID. REFER TO FINISH SCHEDULE, EXCLUDING THE FRP WALL PROTECTION. SEE FINISH SCHEDULE AND FOR ADDITIONAL NOTES.
- REFER TO PLUMBING DRAWINGS & SITE PLAN FOR GREASE INTERCEPTOR LOCATION & ADDITIONAL INFORMATION.

### CULINARY CLASSROOM EQUIP. PLAN SHEET NOTES

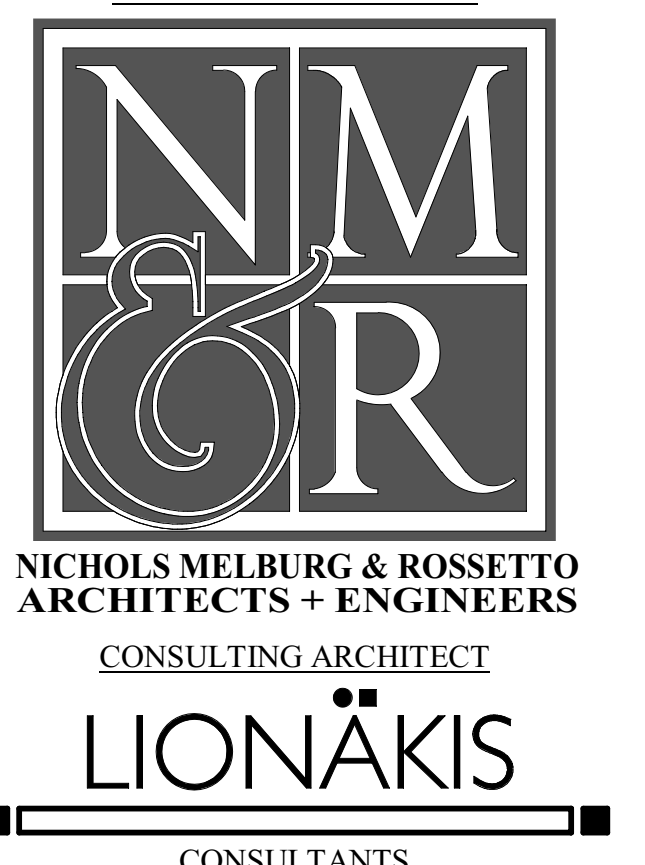
- HEALTH DEPARTMENT REQUIREMENTS:
- ALL EQUIPMENT, MANUFACTURED OR CUSTOM FABRICATED, TO HAVE NSF, ETL SANITATION OR UL SANITATION APPROVALS.
  - INSTALLATION TO MEET CALIFORNIA RETAIL FOOD CODE (CRFC) LATEST EDITION.
  - ALL EXPOSED PLUMBING AND GAS LINES MUST BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. AN EFFORT SHOULD BE MADE TO ENCLOSE ALL PLUMBING LINES WITHIN WALLS UNLESS OTHERWISE APPROVED.
  - ALL EQUIPMENT WHICH GENERATES CONDENSATE AND LIQUID WASTES FROM STEAM TABLES, ICE MACHINES AND BINS, UTENSIL WASH SINKS, FOOD PREPARATION SINKS, DISPLAY CASES, ETC. SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO FLOOR SINK OR OTHER APPROVED INDIRECT WASTE RECEPTOR. FLOOR DRAINS ARE NOT TO BE USED IN LIEU OF FLOOR SINKS. ALL WASTE LINES MUST BE HARD PIPED FROM POINT OF CONNECTIONS.
  - ALL FLOOR SINKS SHALL BE AT LEAST HALF EXPOSED OR OTHERWISE READILY ACCESSIBLE FOR INSPECTION AND CLEANING. FLOOR SINK SHOULD NOT POSE A TRIPPING HAZARD (MOUNT ALL FLOOR SINKS FLUSH WITH FLOOR).
  - ALL EXPOSED ELECTRICAL LINES SHALL BE ENCLOSED WITHIN SMOOTH, RIGID CONDUIT AND BE MOUNTED OR ENCLOSED SO AS TO FACILITATE CLEANING. FLEX CONDUIT IS ONLY PERMITTED IN ENCLOSED WITHIN WALLS.
  - SUFFICIENT NATURAL OR ARTIFICIAL LIGHTING REQUIRED; FORTY (40) FOOT-CANDELS IN FOOD PREPARATION, UTENSIL WASH AREA, BARS, STORAGE AREAS AND RESTROOMS.
  - SHATTER PROOF SHIELDS ON LIGHTS REQUIRED ABOVE FOOD PREPARATION, OPEN FOOD STORAGE, UTENSIL-CLEANING AREAS AND HOODS.
  - AN APPROVED FLOORING MATERIAL WITH INTEGRAL FOUR INCH (MINIMUM) HIGH CONTINUOUSLY COVERED BASE AT THE FLOOR/WALL JUNCTURE. THE BASE MUST BE A MINIMUM OF 3/8-INCH RADIUS COVE.

### FLOOR PLAN SHEET NOTES

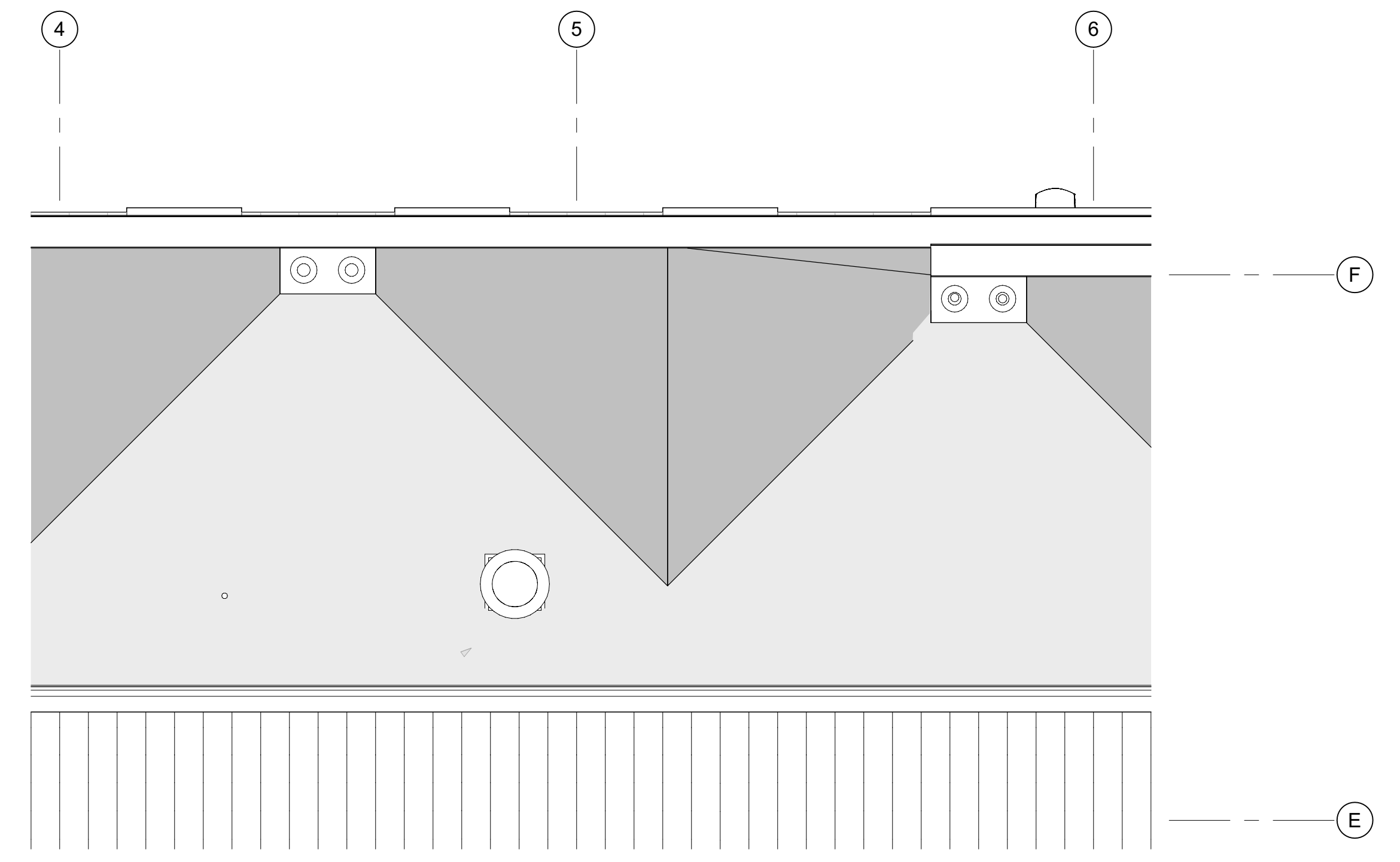
- ALL CUSTOM FABRICATED EQUIPMENT CONSTRUCTION TO MEET NSF, ETL SANITATION OR UL SANITATION STANDARDS.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- VERIFY MATERIALS, FINISHES, HARDWARE WITH FINISH SCHEDULE & SPECIFICATIONS.
- COORDINATE INSTALLATION OF ALL DROP-IN EQUIPMENT.
- COORDINATE WORK BETWEEN GENERAL CONTRACTOR AND TRADES.
- PROVIDE SHOP DRAWINGS PER CONTRACT DOCUMENTS AND SHOW ALL MATERIALS, FINISHES, AND HARDWARE FOR VERIFICATION BY ARCHITECT, INTERIOR ARCHITECT, AND/OR CONSULTANT.



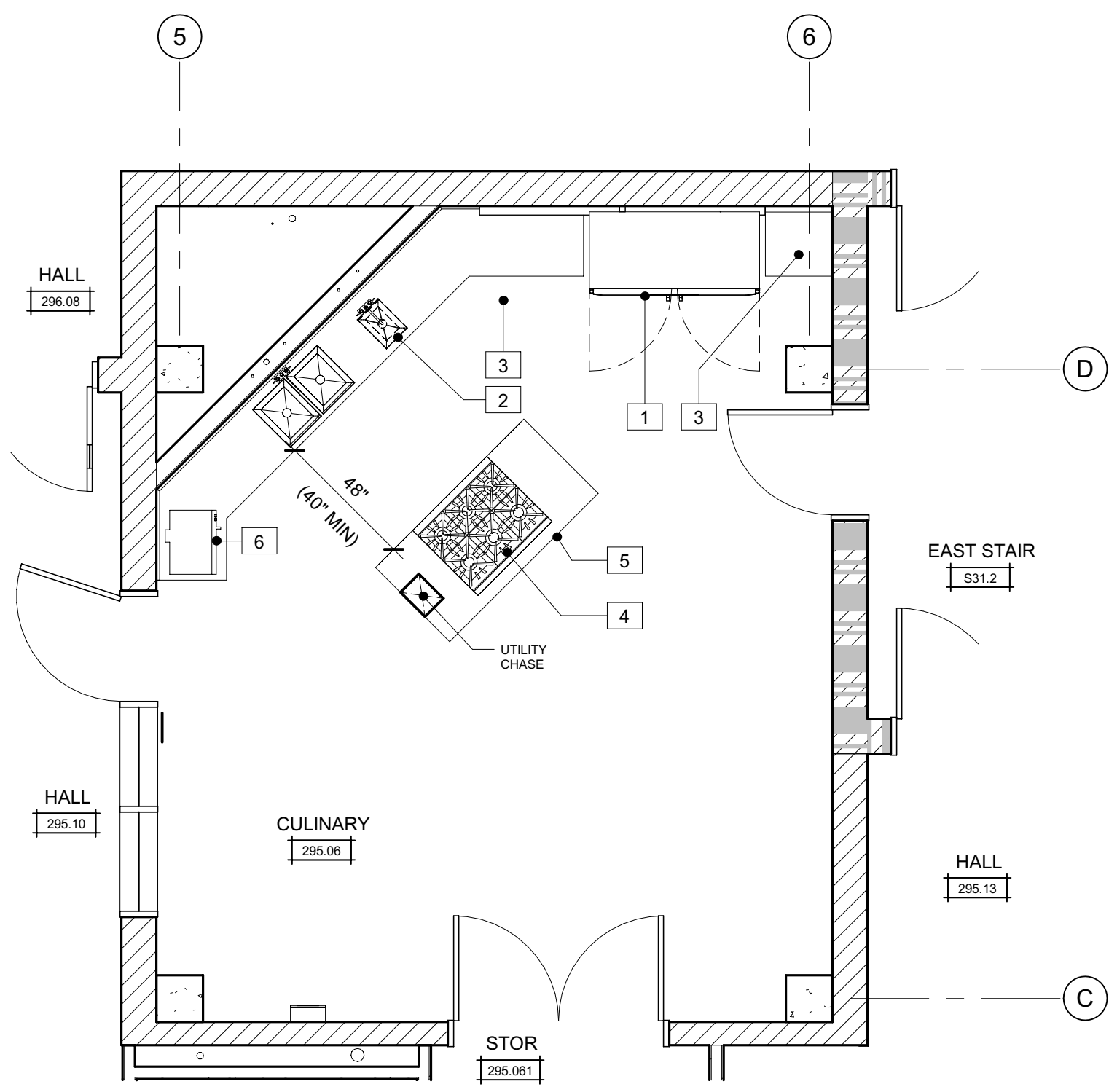
Approval of this plan book is to authorize or approve the erection or construction from applicable regulations. Approval is subject to field inspection. Other sets of approved plans shall be available on the project site at all times.



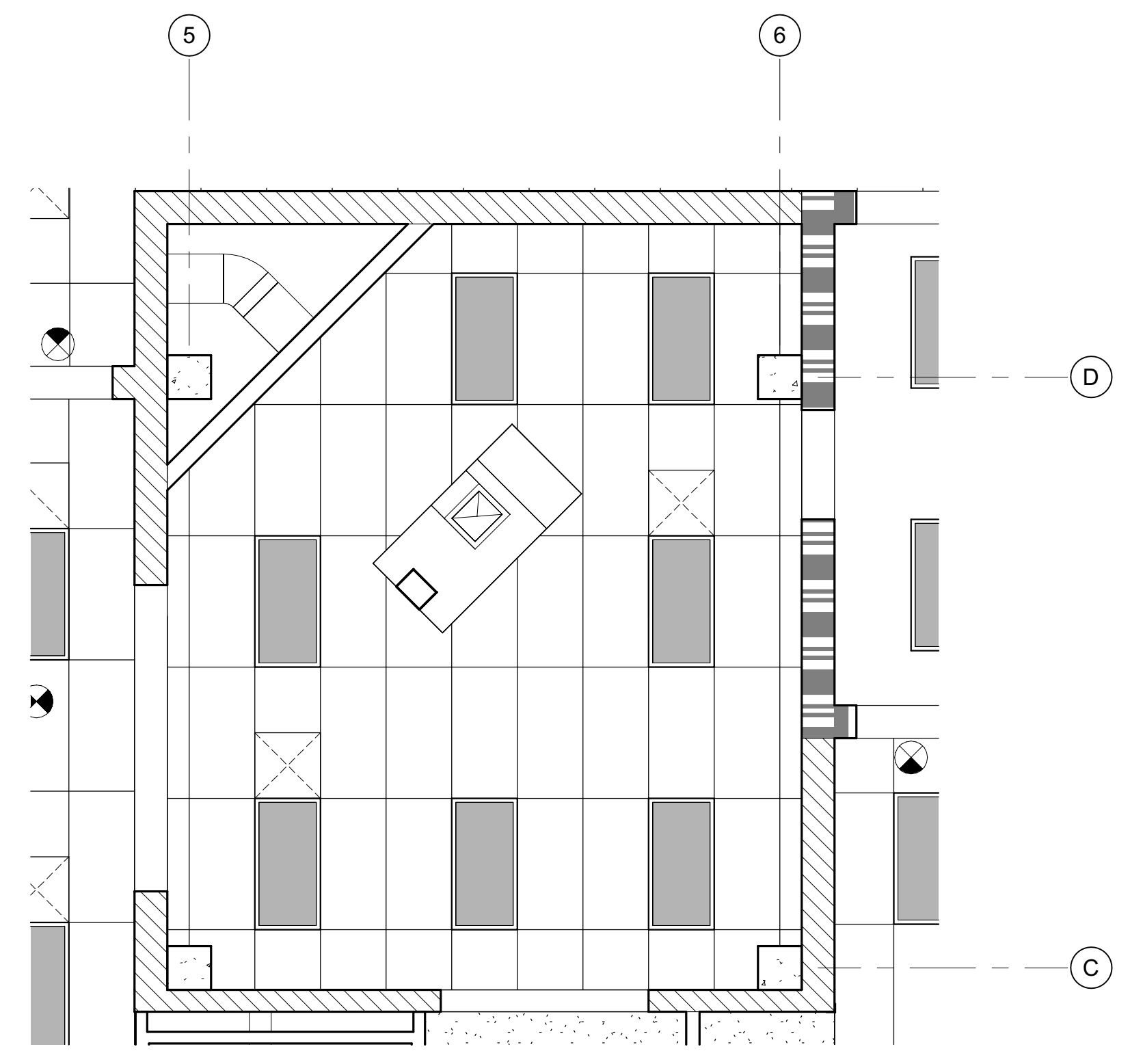
CONSULTANTS



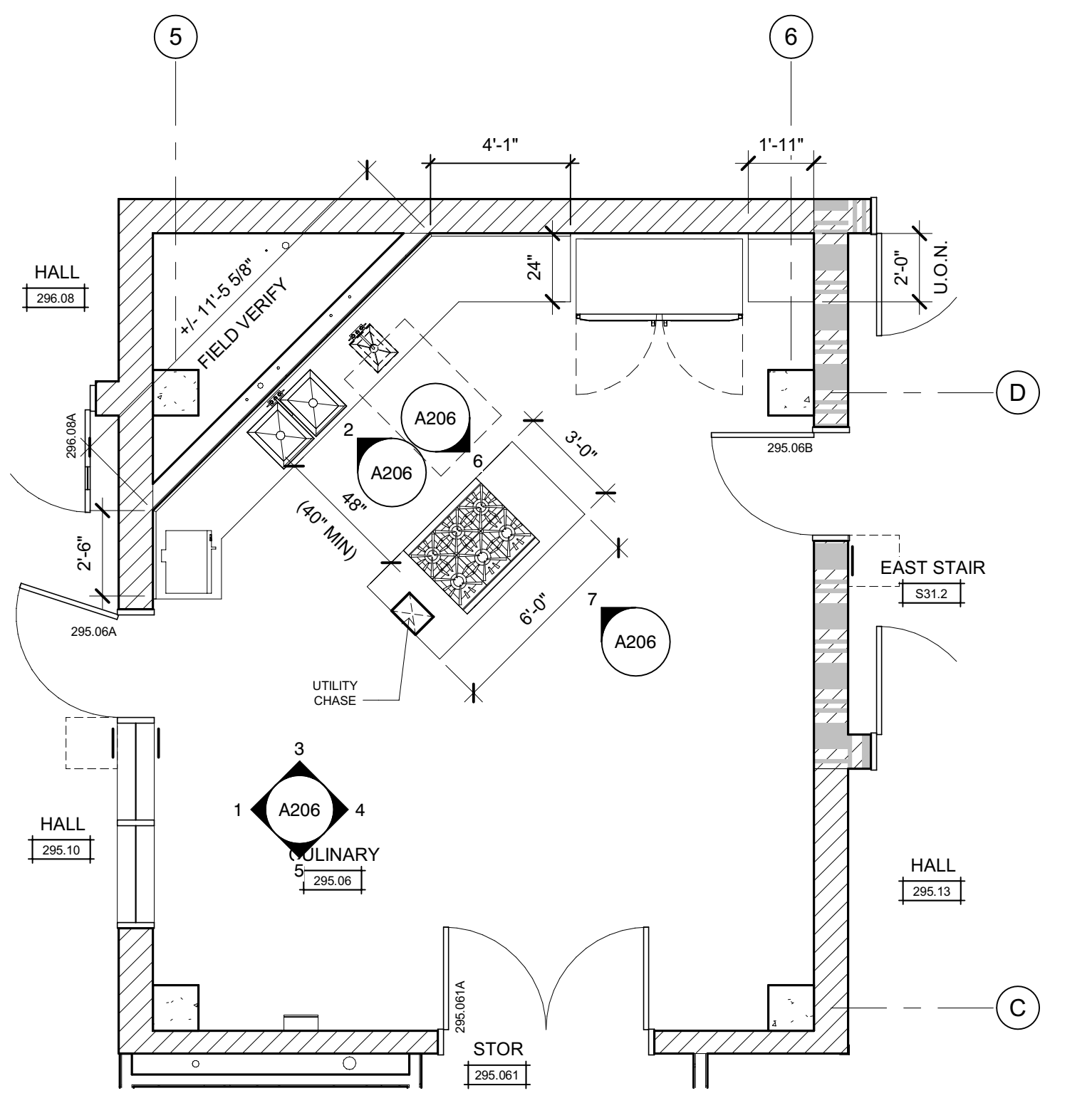
CULINARY CLASSROOM ADDITIVE ALTERNATE  
**PARTIAL ROOF PLAN**  
SCALE: 1/4" = 1'-0"



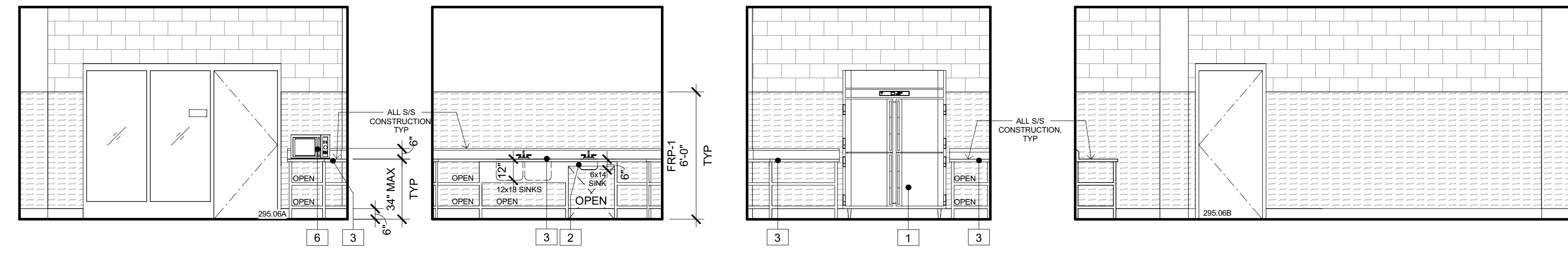
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**EQUIPMENT FLOOR PLAN**  
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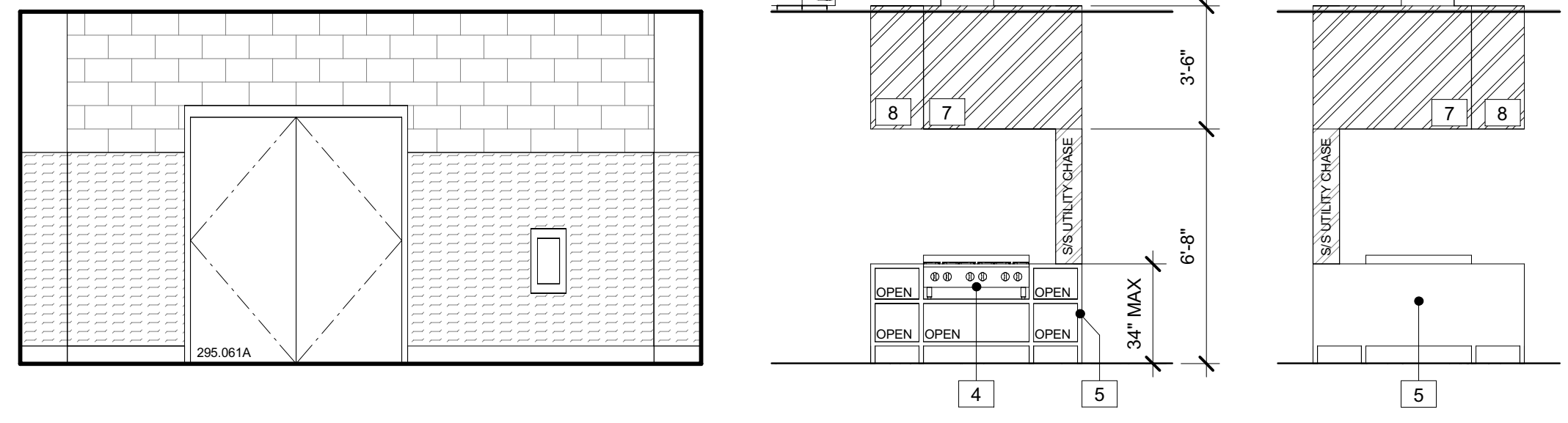
CULINARY CLASSROOM ADDITIVE ALTERNATE  
**CULINARY CLASSROOM REFLECTED CEILING PLAN**  
SCALE: 1/4" = 1'-0"



CULINARY CLASSROOM ADDITIVE ALTERNATE  
**CULINARY CLASSROOM FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



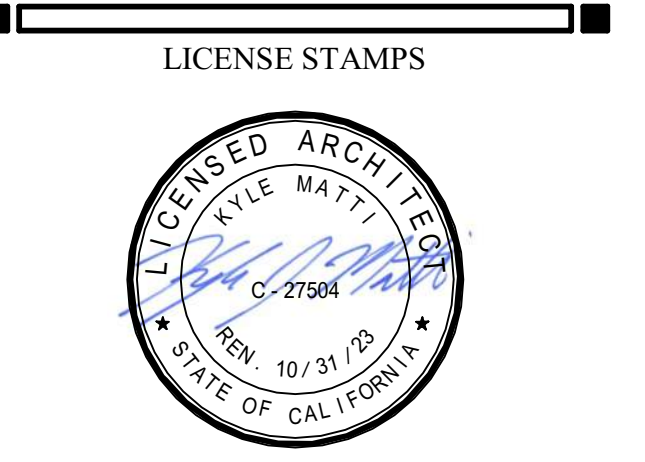
295.06 CULINARY - WEST  
295.06 CULINARY - NORTHWEST  
295.06 CULINARY - NORTH  
295.06 CULINARY - EAST



295.06 CULINARY - ADD ALT - SOUTH  
295.06 CULINARY - COOKING RANGE  
295.06 CULINARY - COOKING RANGE

### LEGEND

- Stainless Steel (diagonal hatching)
- FRP - FIBER REINFORCED PLASTIC (cross-hatching)



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

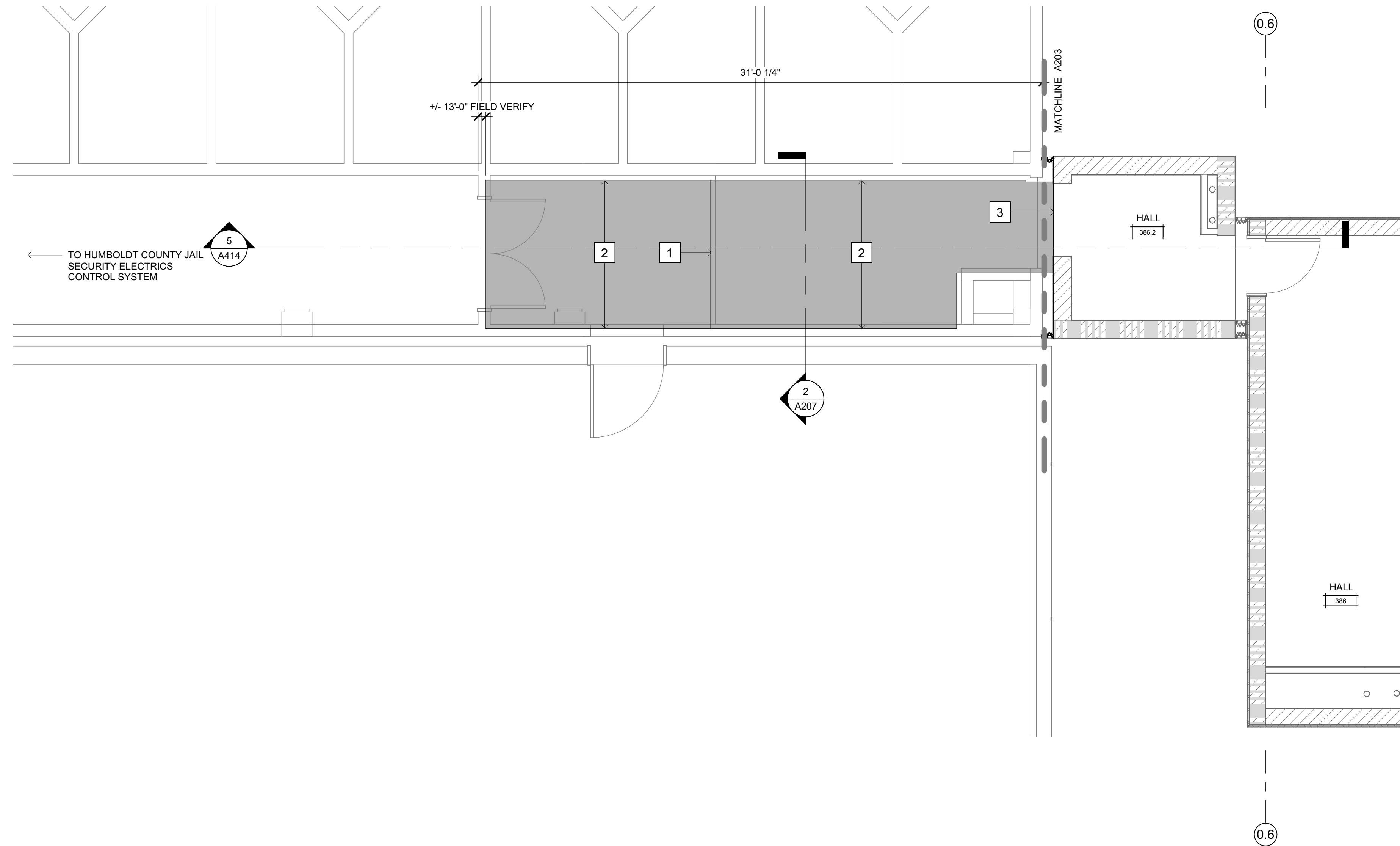
SHEET TITLE  
**CULINARY CLASSROOM ADDITIVE ALTERNATE**

DRAWING STATUS  
**WORKING DRAWINGS**

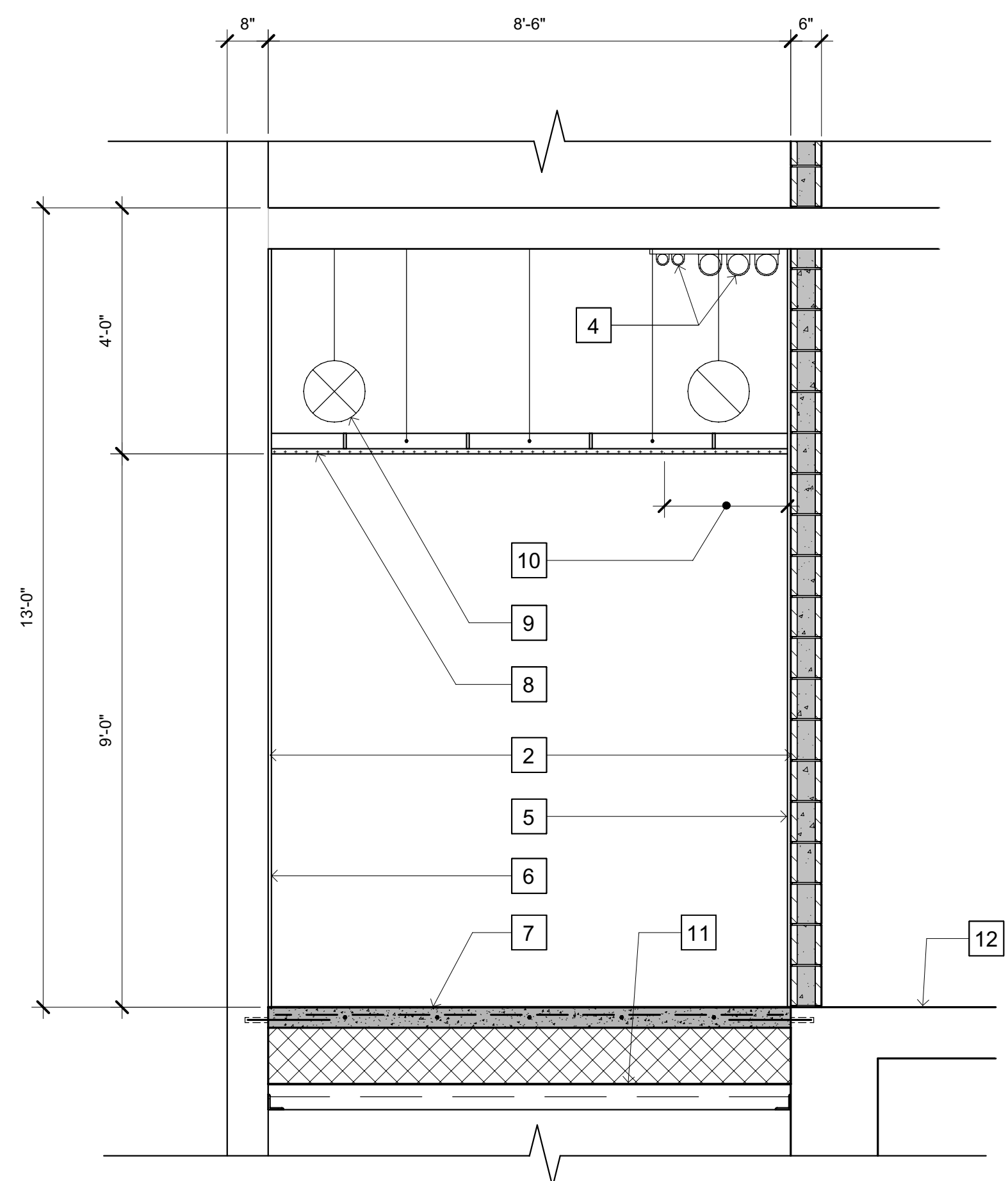
REVISIONS		
Delta	Description	Date

Drawn By: AMP  
Date Issued: 09.19.2022  
Scale: 1/4" = 1'-0"  
Project No.: 16-6421.00

SHEET No.  
**A206 V4**



**1** HCJ LEVEL 3  
SCALE: 1/4" = 1'-0"



**2** HCJ HALLWAY SECTION, TYP.  
SCALE: 1/2" = 1'-0"

**SHEETS NOTES**

- 1 NEW CONCRETE OVER EXISTING RAMP BELOW, SEE (A414)
- 2 PAINT EXISTING WALLS TO MATCH ADJACENT BRIDGE WALLS
- 3 ALUMINUM TRANSITION PLATE, SEE (A820)
- 4 (2) 2" DIA. + (3) 4" CONDUIT ATTACHED TO CMU WALL - INTERCONNECTION TO EXISTING JAIL SECURITY ELECTRONICS SYSTEM, SEE ELECTRICAL & SECURITY ELECTRONICS SHEETS
- 5 GYP. BD. OI EXISTING 6" CMU WALL
- 6 GYP. BD. OI EXISTING CONCRETE WALLS
- 7 4" CONCRETE SLAB w/ #4 @ 18" OC EACH WAY DOWEL & EPOXY 4" MIN EMBED TO (E) WALL W/STD LAP TO SLAB REINFORCING - POLISHED & STAINED WHERE NOTED. (INSTALLED OVER PROVIDE RIGID EPS INSUL. FORM FILLER TO FILL VOID)
- 8 SUSPENDED CEMENT PLASTER SECURITY CEILING
- 9 EXISTING HVAC DUCTS
- 10 REMOVE CEILING TO INSTALL CONDUIT
- 11 EXISTING RAMP - CONCRETE OI METAL DECK
- 12 EXISTING CONCRETE SLAB

**GENERAL NOTES**

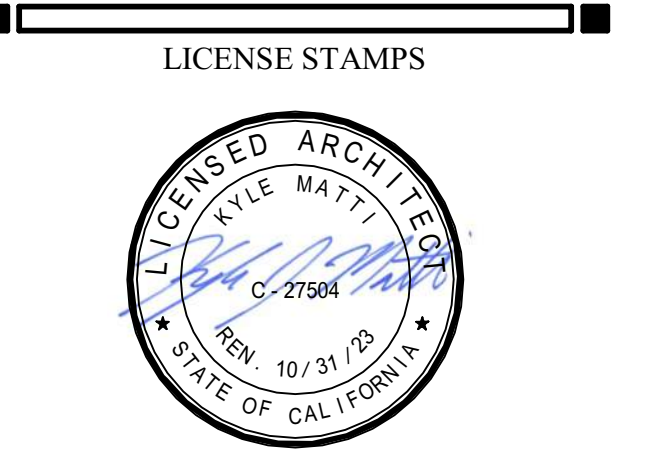
1. TRANSITIONS FROM NEW TO EXISTING ELEMENTS AT WALL, CEILING, AND FLOOR FINISHES SHALL BE CLEAN AND SMOOTH THROUGHOUT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BARRIERS AND/OR ACCESS ENCLOSURES TO PROVIDE A MEANS OF CONTROLLED ACCESS TO THE FACILITY FUNCTIONS DURING SEQUENCING OF CONSTRUCTION. VERIFY ALL BARRIER LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
3. PROVIDE SAFEGUARDS FOR CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS TO PROVIDE REASONABLE SAFETY TO LIFE AND PROPERTY FROM FIRE DURING SUCH OPERATIONS PER COMPLIANCE WITH "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" IN ACCORDANCE WITH 2019 CALIFORNIA FIRE CODE (CFC) CHAPTER 33, TITLE 19, DIVISION 1, CALIFORNIA CODE OF REGULATIONS (CCR)

**FLOOR PLAN LEGEND**

- ALL ITEMS ARE NEW U.N.O.
- POLISHED AND SEALED CONCRETE FLOOR AT HUMBOLDT COUNTY JAIL (HCJ) CONNECTION HALLWAY
  - FLOOR AT HCJ - EXISTING FLOORING TO REMAIN



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PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**ENLARGED HCJ FLOOR  
PLAN - CONNECTION TO  
BRIDGE**

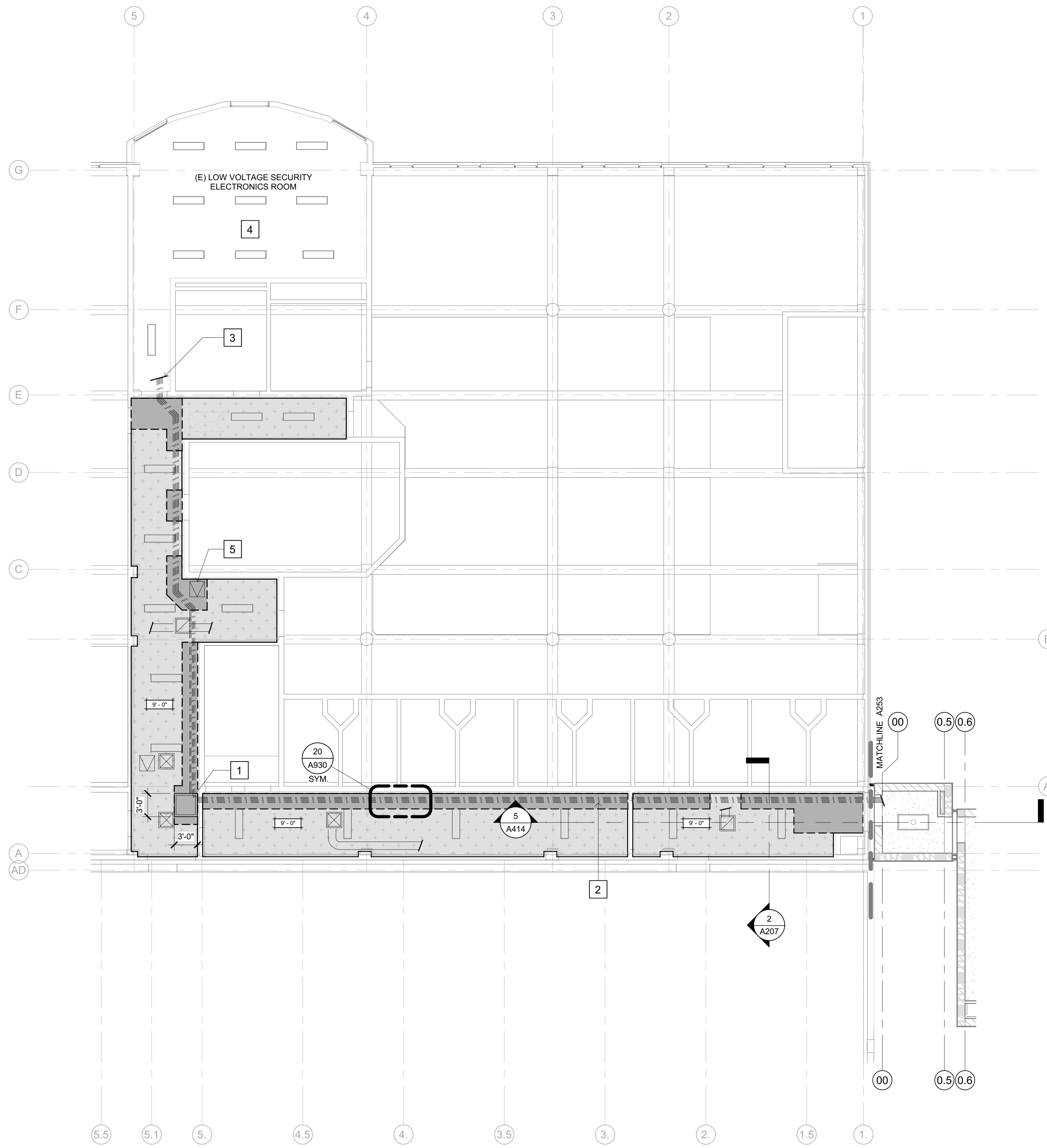
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	CDS
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A207 V4**



**OVERALL REFLECTED CEILING  
 PLAN - LEVEL 3**  
 SCALE: 1/8" = 1'-0"

**RCP SHEETS NOTES**

- 1 INSTALL 36" x 36" NEMA 1 PULLBOX ABOVE ACCESSIBLE CEILING AND INSTALL NEW CEILING ACCESS DOOR AT CEILING
- 2 CEILING MOUNTED ELECTRICAL CONDUIT. SEE (2) A207
- 3 TERMINATE CONDUIT IN ELECTRONICS ROOM AS DIRECTED BY COUNTY I.T. PERSONNEL
- 4 CEILING OPEN TO EXPOSED CONCRETE AT UNDERSIDE OF STRUCTURE
- 5 INSTALL ACCESS DOOR AT LOCATION OF EXISTING DOOR

**GENERAL NOTES**

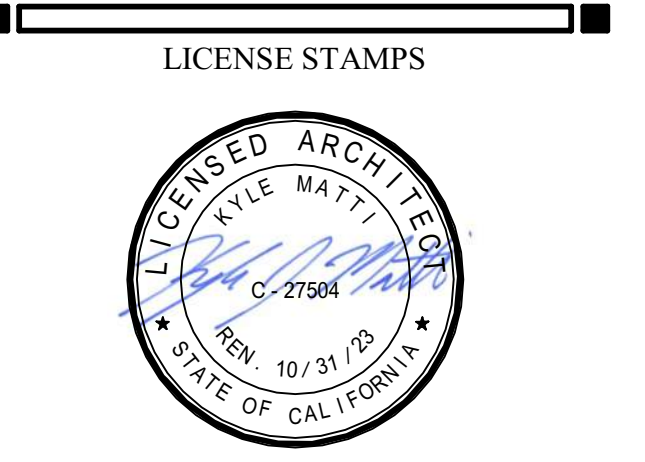
1. TRANSITIONS FROM NEW TO EXISTING ELEMENTS AT WALL, CEILING, AND FLOOR FINISHES SHALL BE CLEAN AND SMOOTH THROUGHOUT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BARRIERS AND/OR ACCESS ENCLOSURES TO PROVIDE A MEANS OF CONTROLLED ACCESS TO THE FACILITY FUNCTIONS DURING SEQUENCING OF CONSTRUCTION. VERIFY ALL BARRIER LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
3. PROVIDE SAFEGUARDS FOR CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS TO PROVIDE REASONABLE SAFETY TO LIFE AND PROPERTY FROM FIRE DURING SUCH OPERATIONS PER COMPLIANCE WITH "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" IN ACCORDANCE WITH 2019 CALIFORNIA FIRE CODE (CFC) CHAPTER 33, TITLE 19, DIVISION 1, CALIFORNIA CODE OF REGULATIONS (CCR).
4. PATCH AND REPAIR SECURITY CEMENT PLASTER CEILING TO MAINTAIN CONTINUOUS & CONSISTENT INTEGRITY WITH EXISTING ASSEMBLY. PAINT TO MATCH ADJACENT CEILING

**RCP PLAN LEGEND**

- ALL ITEMS ARE NEW, U.N.O.
- (E) IMPACT-RESISTANT GYPSUM BOARD w/SECURITY LATH CEILING (MOISTURE RESISTANT AT ALL WET AREAS. SEE DETAIL C2/G120)
  - REMOVE CEMENT PLASTER CEILING FOR INSTALLATION OF ELECTRICAL CONDUIT
  - (E) 1'x4' SURFACE MOUNTED LIGHT FIXTURE
  - (E) HVAC RETURN
  - (E) HVAC DIFFUSER
  - (E) EXISTING CEILING ACCESS DOOR
  - ELECTRICAL CONDUIT



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PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

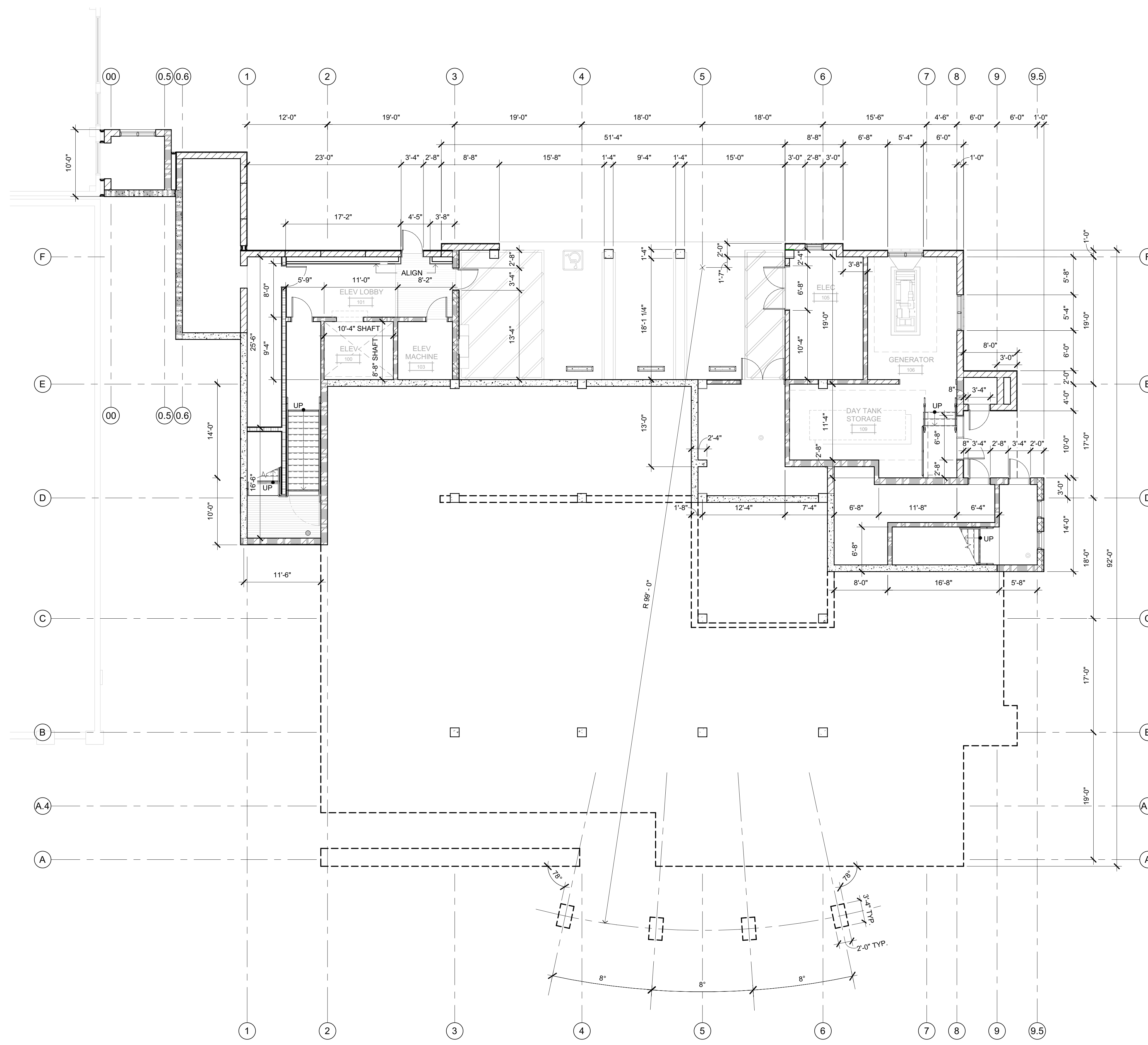
SHEET TITLE  
**ENLARGED HCJ  
 REFLECTED CEILING  
 PLAN - CONNECTION TO  
 BRIDGE**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	CDS
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A208 V4**

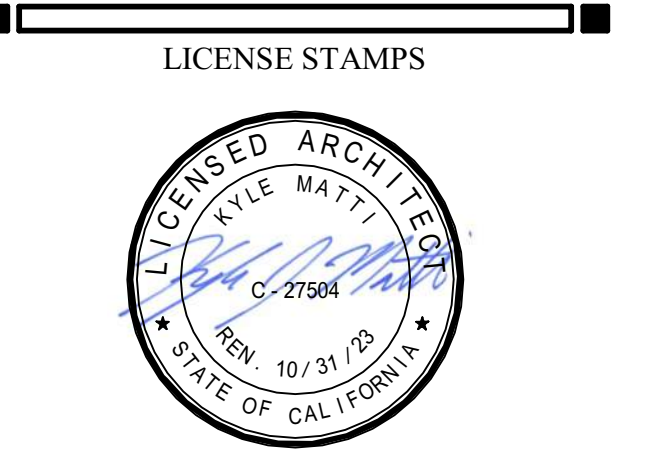


**DIMENSION PLAN - LEVEL 1**  
SCALE: 1/8" = 1'-0"

DIMENSION PLAN LEGEND	
REFER TO DRAWINGS A201, A202, A204, & A205 FOR WALL ASSEMBLY LOCATIONS & PARTITION TYPE CALLOUTS.	
---	LINE OF WALL BELOW GRADE
	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W14/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W12/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W13/G122
	NON-RATED 12" INSULATED CMU NON-BEARING WALL SEE DETAIL W11/G122
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W10/G122
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W8/G122
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W9/G122
	3 HOUR CMU BEARING FIRE WALL SEE DETAIL W17/G122
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS SEE DETAIL W7/G122
	3 HOUR CONCRETE RETAINING FIRE WALL SEE DETAIL W16/G122
	NON-RATED CONCRETE SITE RETAINING WALL SEE DETAIL W15/G122
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W5/G121
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W6/G121
	NON-RATED METAL STUD WALL SEE DETAILS W3/G121 & W4/G121



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**DIMENSION PLAN - LEVEL 1**

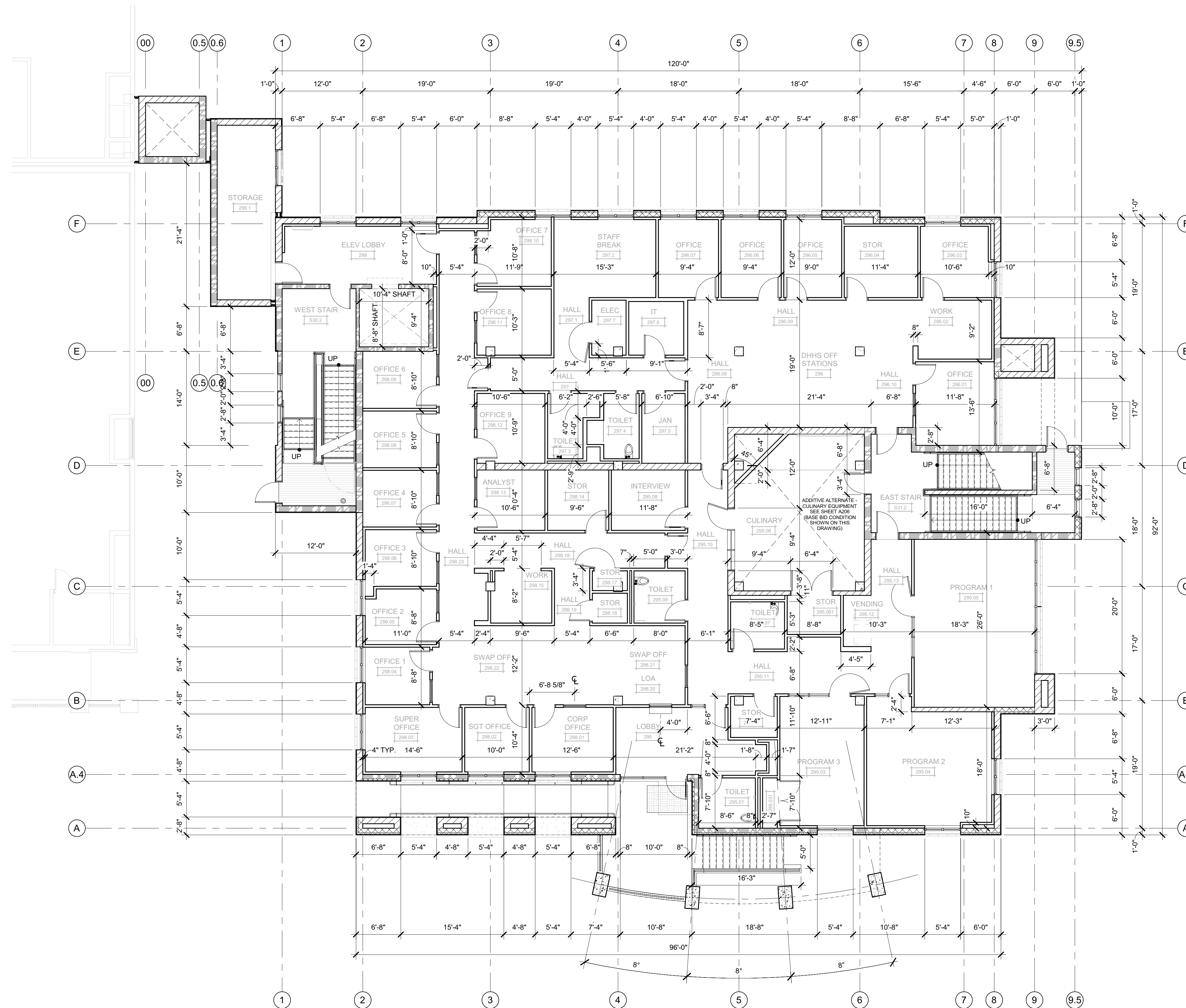
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A211 V4**





DIMENSION PLAN - LEVEL 2  
SCALE: 1/8" = 1'-0"

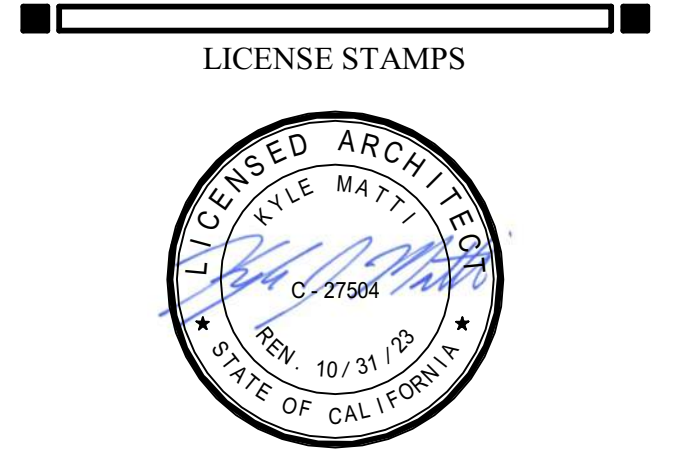
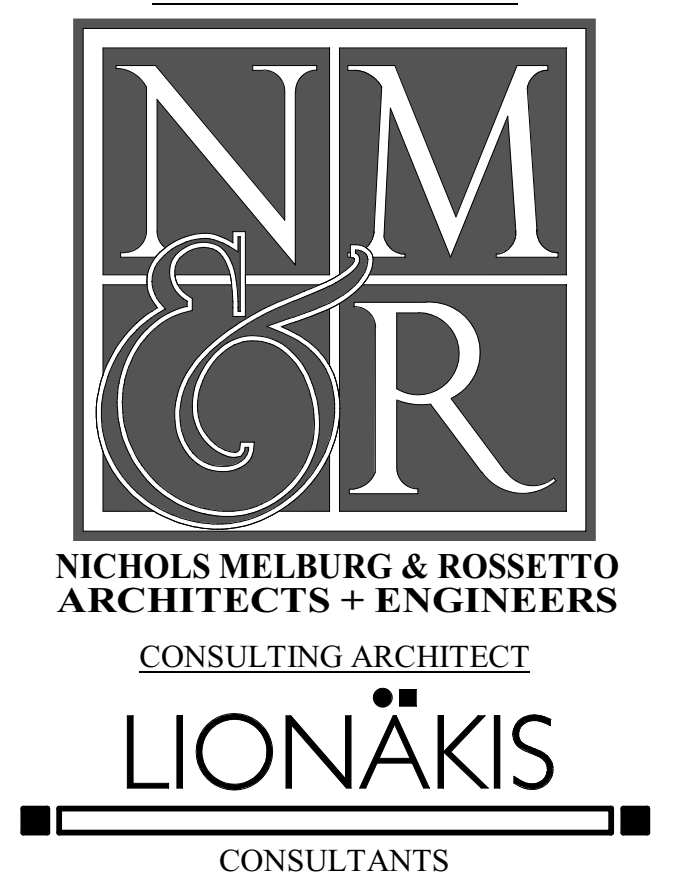
**DIMENSION PLAN LEGEND**

REFER TO DRAWINGS A201, A202, A204, & A205 FOR WALL ASSEMBLY LOCATIONS & PARTITION TYPE CALLOUTS.

---	LINE OF WALL BELOW GRADE	
	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS	SEE DETAIL W14/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W12/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W13/G122
	NON-RATED 12" INSULATED CMU NON-BEARING WALL	SEE DETAIL W11/G122
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS	SEE DETAIL W10/G122
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W8/G122
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W9/G122
	3 HOUR CMU BEARING FIRE WALL	SEE DETAIL W17/G122
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS	SEE DETAIL W7/G122
	3 HOUR CONCRETE RETAINING FIRE WALL	SEE DETAIL W16/G122
	NON-RATED CONCRETE SITE RETAINING WALL	SEE DETAIL W15/G122
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W5/G121
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W6/G121
	NON-RATED METAL STUD WALL	SEE DETAILS W3/G121 & W4/G121



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PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
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 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**DIMENSION PLAN -  
 LEVEL 2**

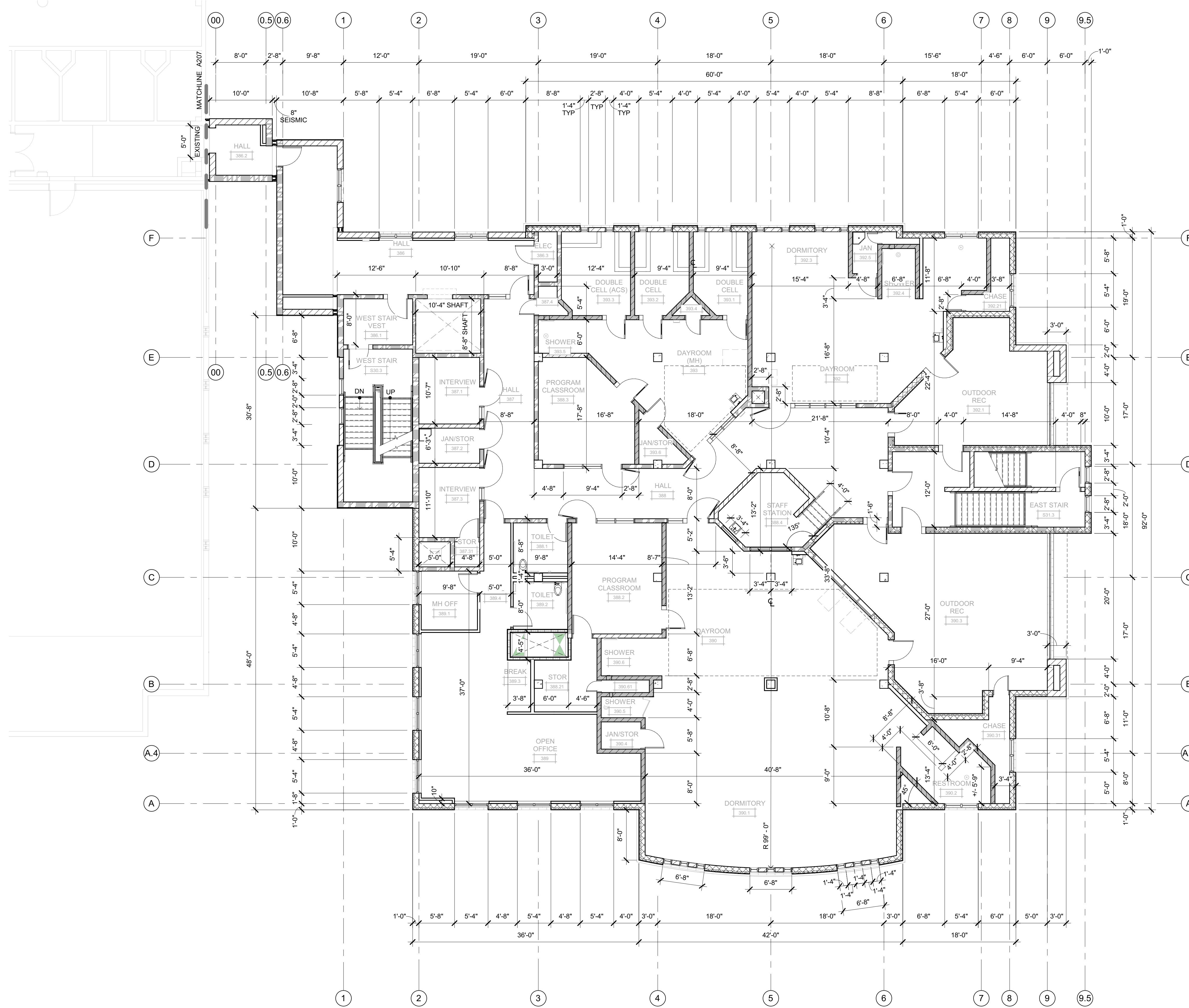
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A212 V4**

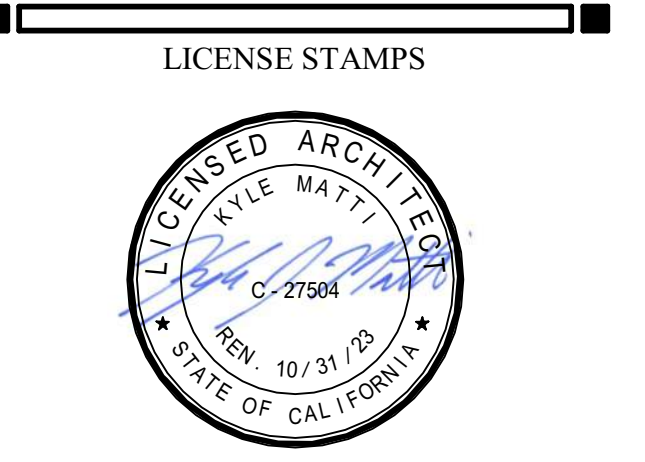
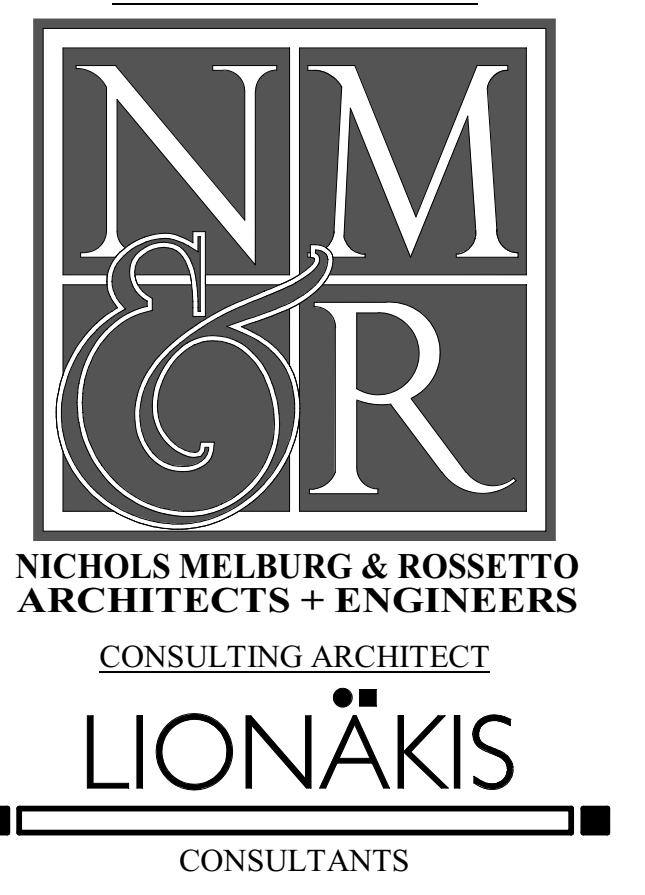


DIMENSION PLAN - LEVEL 3  
SCALE: 1/8" = 1'-0"

DIMENSION PLAN LEGEND	
<small>REFER TO DRAWINGS A201, A202, A204, &amp; A205 FOR WALL ASSEMBLY LOCATIONS &amp; PARTITION TYPE CALLOUTS.</small>	
— — — — LINE OF WALL BELOW GRADE	
3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS	SEE DETAIL W14/G122
3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W12/G122
3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W13/G122
NON-RATED 12" INSULATED CMU NON-BEARING WALL	SEE DETAIL W11/G122
3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS	SEE DETAIL W10/G122
3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W8/G122
3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W9/G122
3 HOUR CMU BEARING FIRE WALL	SEE DETAIL W17/G122
NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS	SEE DETAIL W7/G122
3 HOUR CONCRETE RETAINING FIRE WALL	SEE DETAIL W16/G122
NON-RATED CONCRETE SITE RETAINING WALL	SEE DETAIL W15/G122
METAL STUD WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W5/G121
METAL STUD WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W6/G121
NON-RATED METAL STUD WALL	SEE DETAILS W3/G121 & W4/G121



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

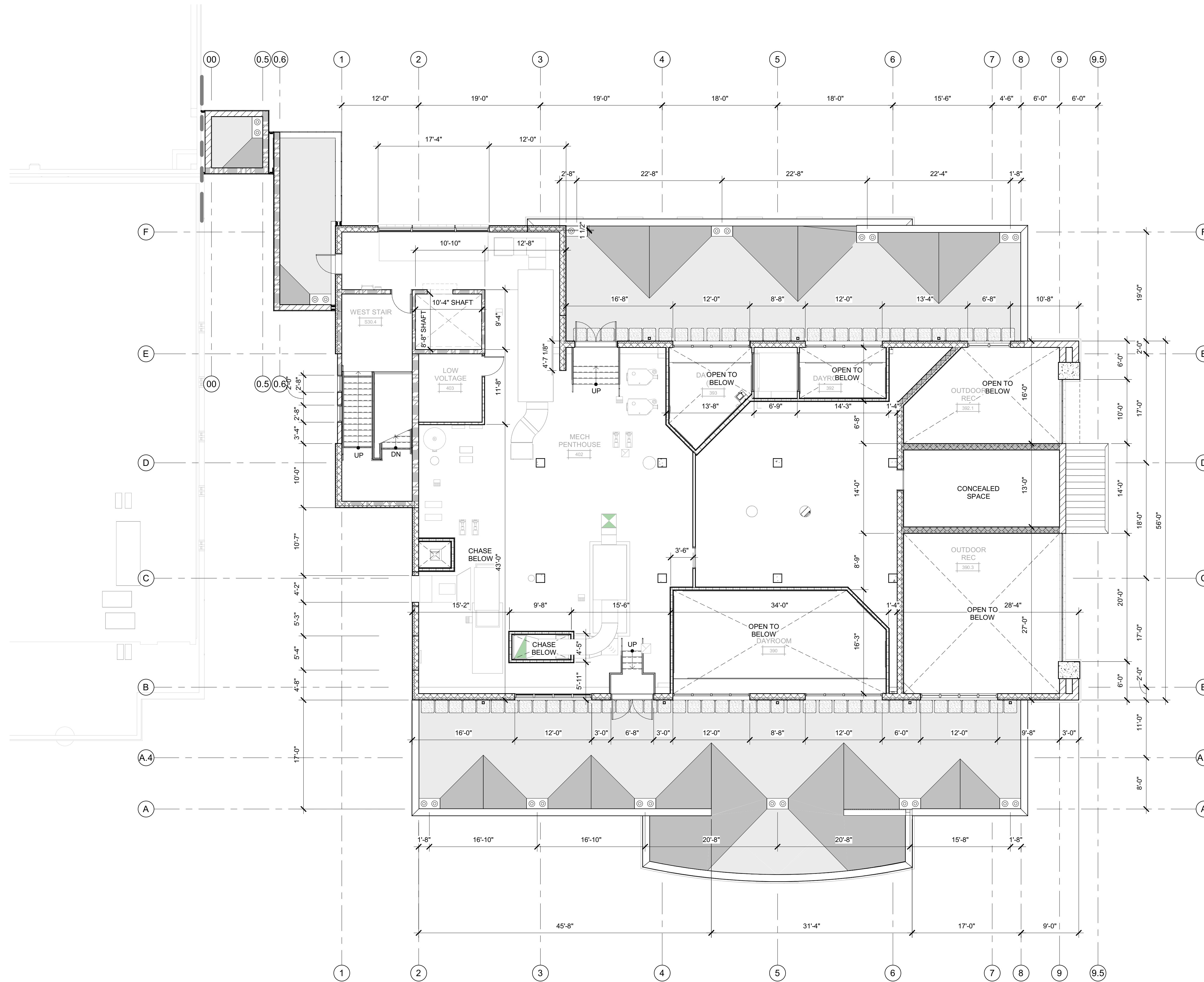
SHEET TITLE  
**DIMENSION PLAN - LEVEL 3**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
A213 V4



DIMENSION PLAN - LEVEL 4 PH  
SCALE: 1/8" = 1'-0"

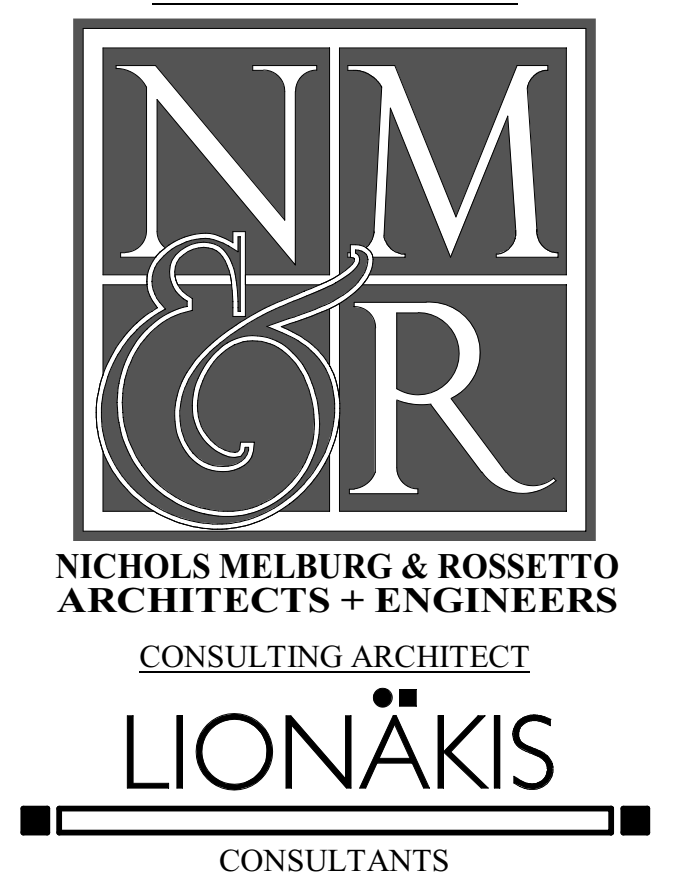
**DIMENSION PLAN LEGEND**

REFER TO DRAWINGS A201, A202, A204, & A205 FOR WALL ASSEMBLY LOCATIONS & PARTITION TYPE CALLOUTS.

<p>— — — — — LINE OF WALL BELOW GRADE</p> <p>3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS </p> <p>3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS </p> <p>3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS </p> <p>NON-RATED 12" INSULATED CMU NON-BEARING WALL </p> <p>3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS </p> <p>3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS </p> <p>3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS </p> <p>3 HOUR CMU BEARING FIRE WALL </p> <p>NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS </p> <p>3 HOUR CONCRETE RETAINING FIRE WALL </p> <p>NON-RATED CONCRETE SITE RETAINING WALL </p> <p>METAL STUD WALL 1 HOUR PROTECTED OPENINGS </p> <p>METAL STUD WALL 2 HOUR PROTECTED OPENINGS </p> <p>NON-RATED METAL STUD WALL </p>	<p>SEE DETAIL W14/G122</p> <p>SEE DETAIL W12/G122</p> <p>SEE DETAIL W13/G122</p> <p>SEE DETAIL W11/G122</p> <p>SEE DETAIL W10/G122</p> <p>SEE DETAIL W8/G122</p> <p>SEE DETAIL W9/G122</p> <p>SEE DETAIL W17/G122</p> <p>SEE DETAIL W7/G122</p> <p>SEE DETAIL W16/G122</p> <p>SEE DETAIL W15/G122</p> <p>SEE DETAIL W5/G121</p> <p>SEE DETAIL W6/G121</p> <p>SEE DETAILS W3/G121 &amp; W4/G121</p>
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LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**DIMENSION PLAN -  
 LEVEL 4**

DRAWING STATUS

**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

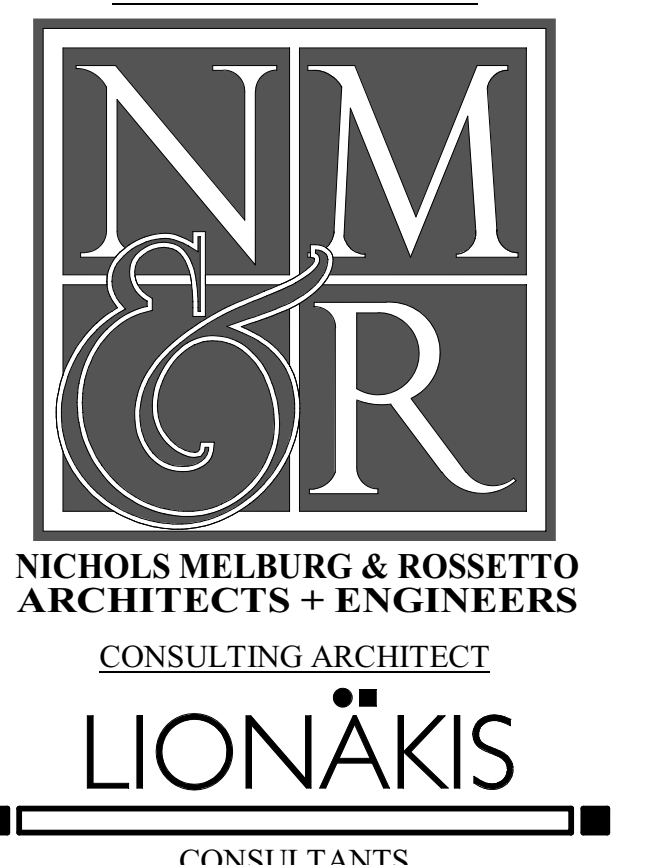
SHEET No.  
A214 V4

**SHEET NOTES**

- 10.210 SURFACE MOUNTED SOAP DISPENSER
- 10.211 SURFACE MOUNTED TOILET TISSUE DISPENSER
- 10.213 SURFACE MOUNTED TOILET SEAT COVER DISPENSER
- 10.215 SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
- 10.225 SURFACE MOUNTED COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
- 10.235 42" GRAB BAR - SEE DETAIL 8/G212
- 10.236 48" GRAB BAR - SEE DETAIL 8/G212
- 10.238 24"x30" MIRROR
- 10.242 METAL FRAMED MIRROR (WIDTH x HEIGHT AS INDICATED)
- 22.402 SINK
- 22.405 ACCESSIBLE WALL MOUNTED TOILET
- 22.408 ACCESSIBLE WALL MOUNTED LAVATORY
- 22.424 HI-LO DRINKING FOUNTAIN-SEE DETAIL 8/A961



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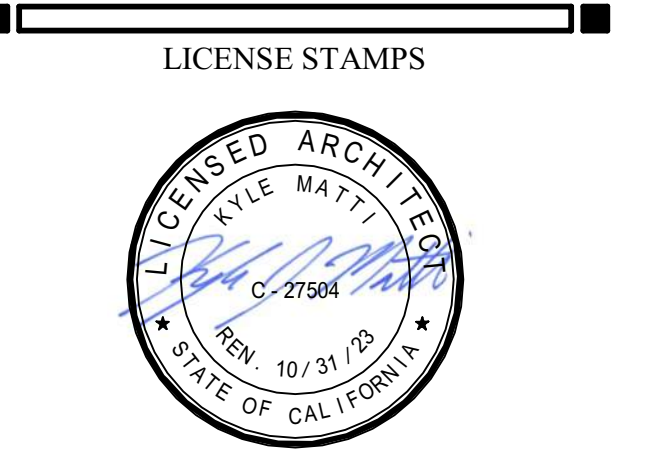
**GENERAL NOTES**

- A. STRUCTURAL GRID LINES TO FACE OF STRUCTURE (STUD / MASONRY) OR TO CENTERLINE OF COLUMN (WHERE APPLICABLE) TYPICAL.
- B. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, SECURITY ELECTRONICS, & LOW VOLTAGE DRAWINGS FOR ADDITIONAL CONSTRUCTION FEATURES, SYSTEMS, FIXTURES AND EQUIPMENT NOT IDENTIFIED OR ILLUSTRATED HEREIN.
- C. REFER TO FINISH SCHEDULE (SHEET A900) FOR WALL, FLOOR AND CEILING FINISHES AS WELL AS MISCELLANEOUS SPECIALTIES NOT IDENTIFIED OR ILLUSTRATED HEREIN.

**ENLARGED FLOOR PLAN LEGEND**

REFER TO DRAWINGS A211-A214 FOR DIMENSIONED FLOOR PLANS. REFER TO DRAWINGS A201-A204 FOR WALL ASSEMBLY LOCATIONS & PARTITION TYPE CALLOUTS.

	WINDOW AND NUMBER, REFER TO DRAWING A720 FOR WINDOW SCHEDULE
	DOOR AND/OR FRAME AND NUMBER, REFER TO DRAWING A710 FOR DOOR SCHEDULE
	UPPER CABINET SINK, AS OCCURS CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION BASE CABINET & COUNTERTOP
	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W14 / G122
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W12 / G122
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W13 / G122
	NON-RATED 12" INSULATED CMU NON-BEARING WALL SEE DETAIL W10 / G122
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W10 / G122
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W8 / G122
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W9 / G122
	3 HOUR CMU BEARING FIRE WALL SEE DETAIL W17 / G122
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS SEE DETAIL W7 / G122
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS SEE DETAIL W16 / G122
	NON-RATED CONCRETE SITE RETAINING WALL SEE DETAIL W15 / G122
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W5 / G121
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W6 / G121
	NON-RATED METAL STUD WALL SEE DETAIL W3 / G121 & W4 / G121



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**ENLARGED FLOOR PLANS - LEVEL 2**

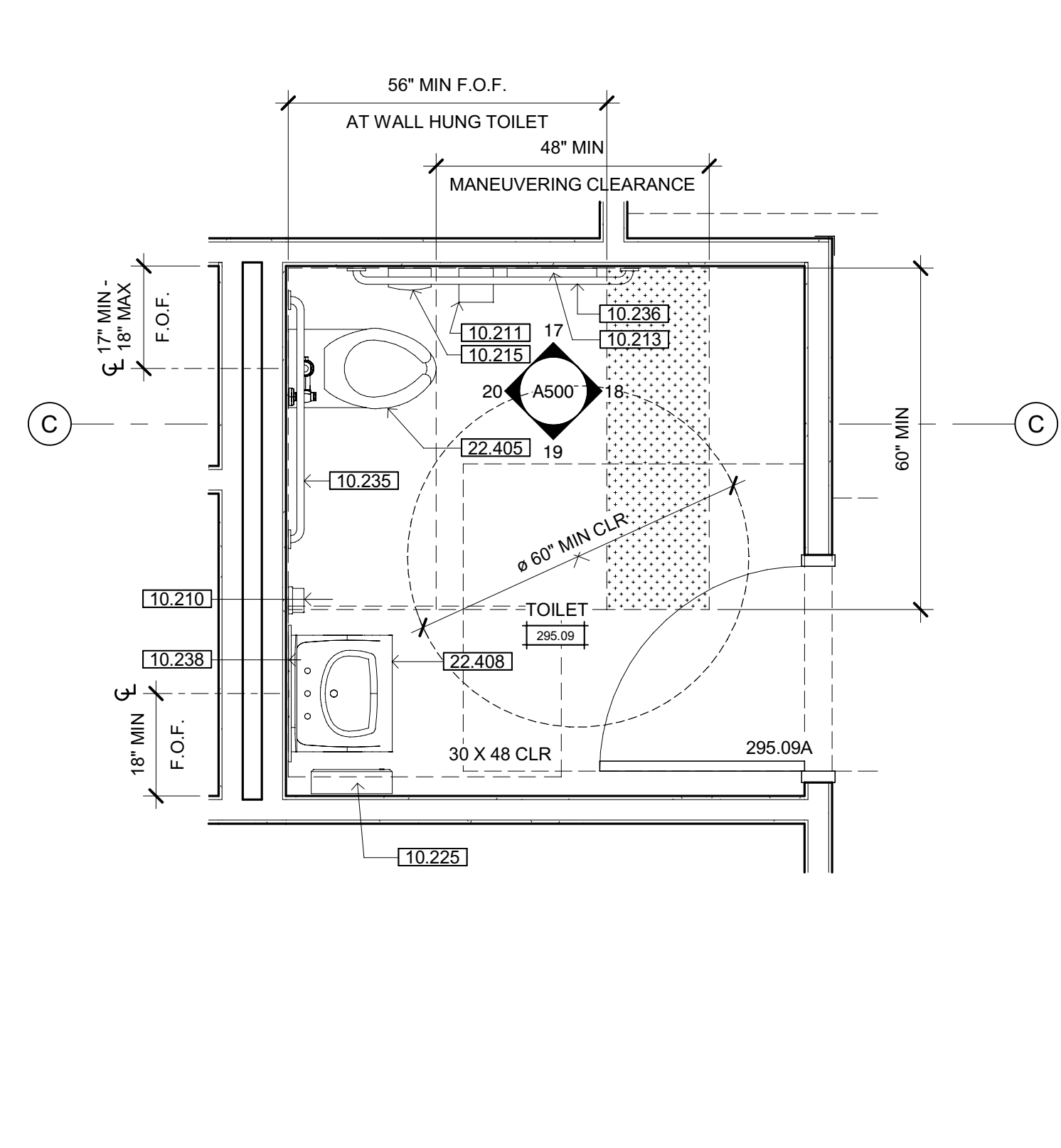
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

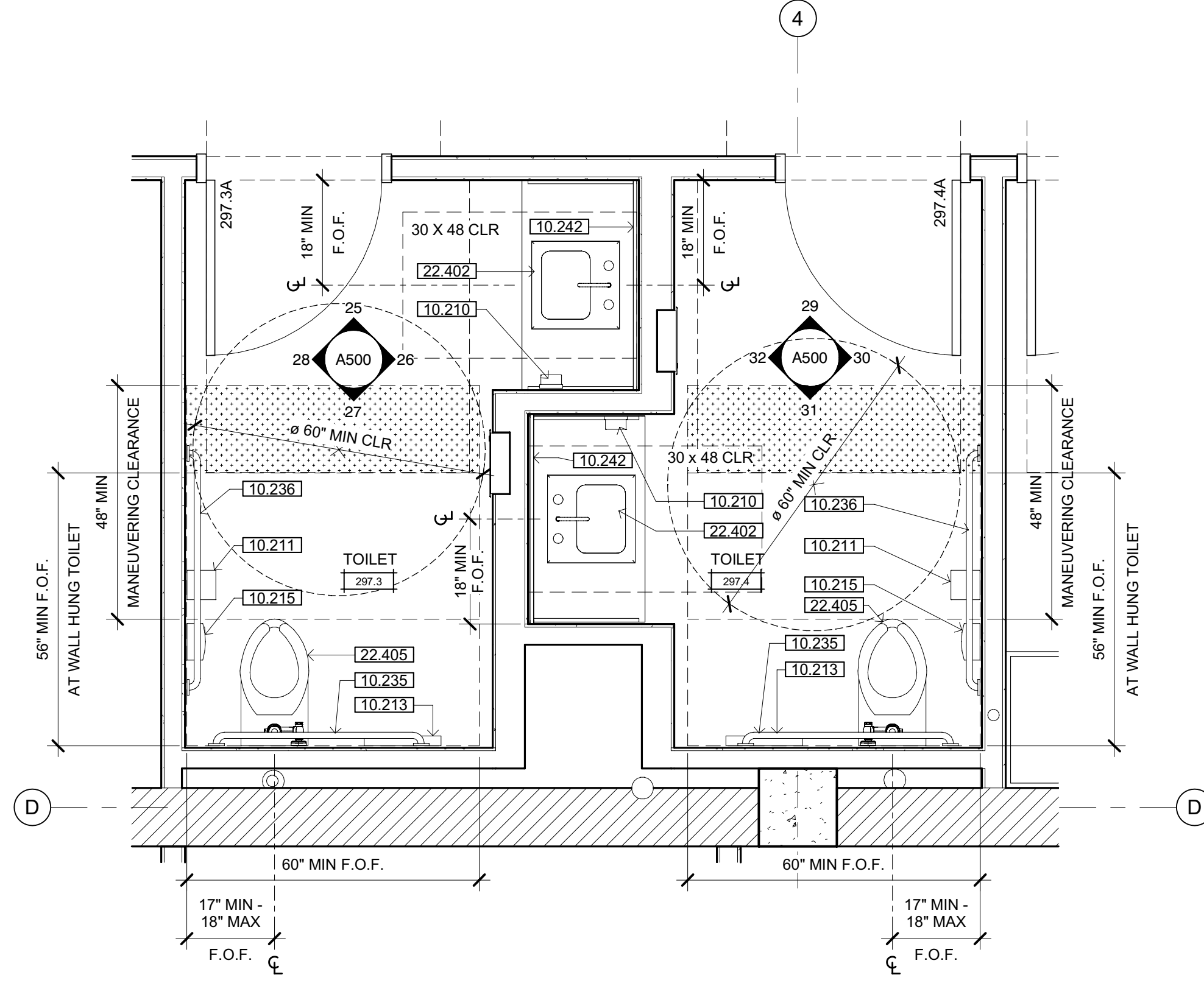
Delta	Description	Date

Drawn By: ON/AMP  
 Date Issued: 09.19.2022  
 Scale: 1/2" = 1'-0"  
 Project No.: 16-6421.00

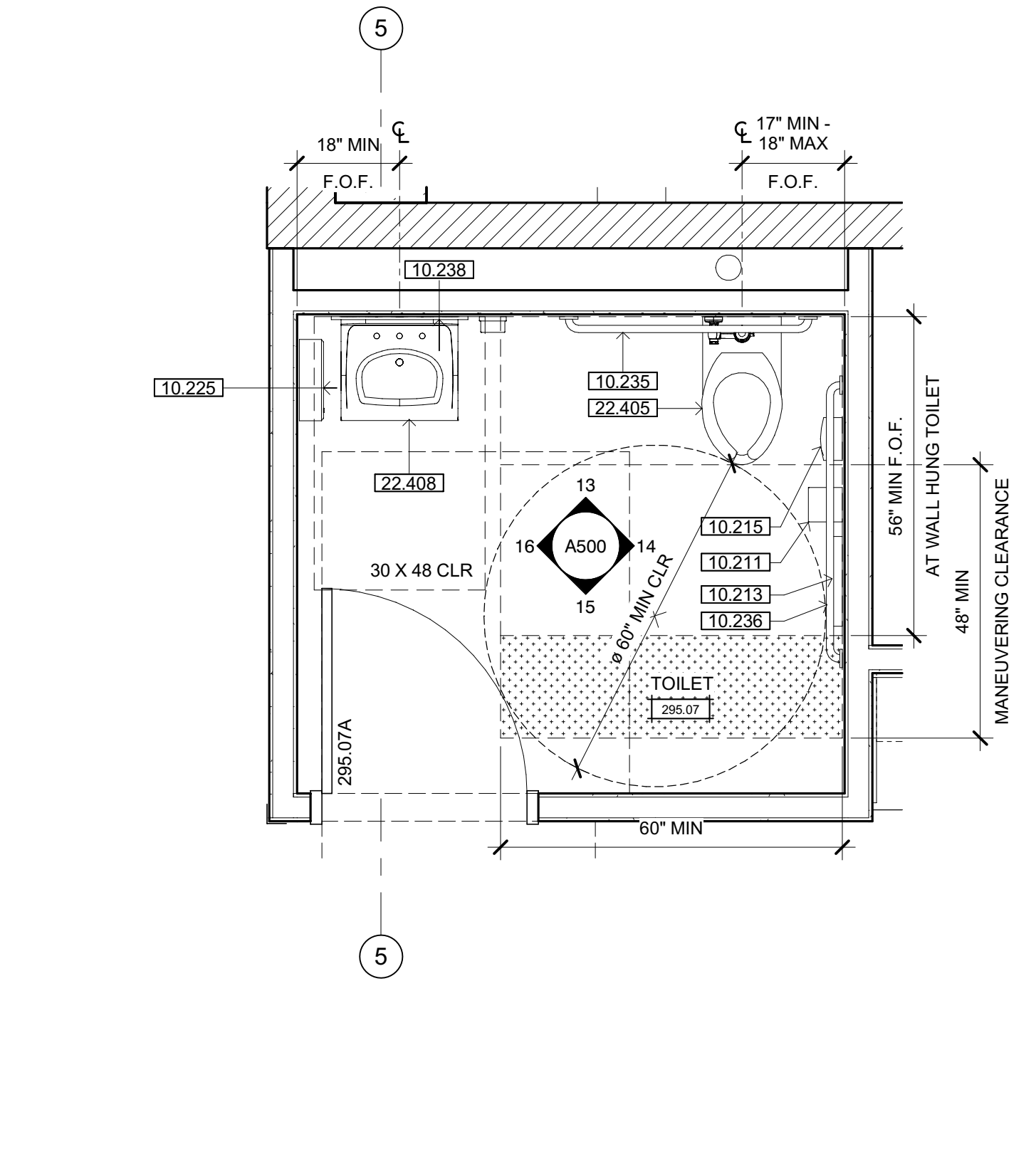
SHEET No.  
**A220 V4**



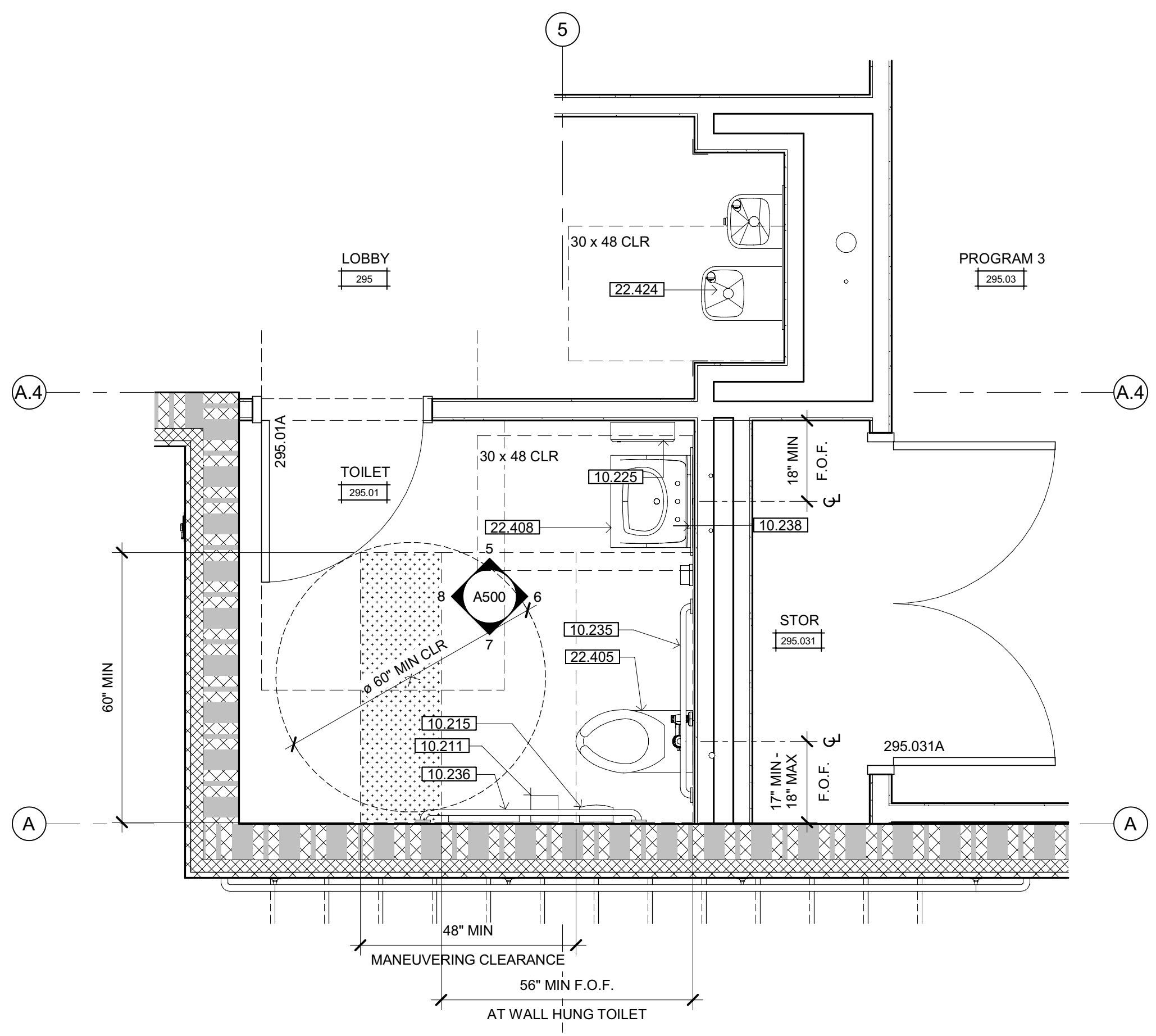
**1** TOILET ROOM 295.09  
 SCALE: 1/2" = 1'-0"



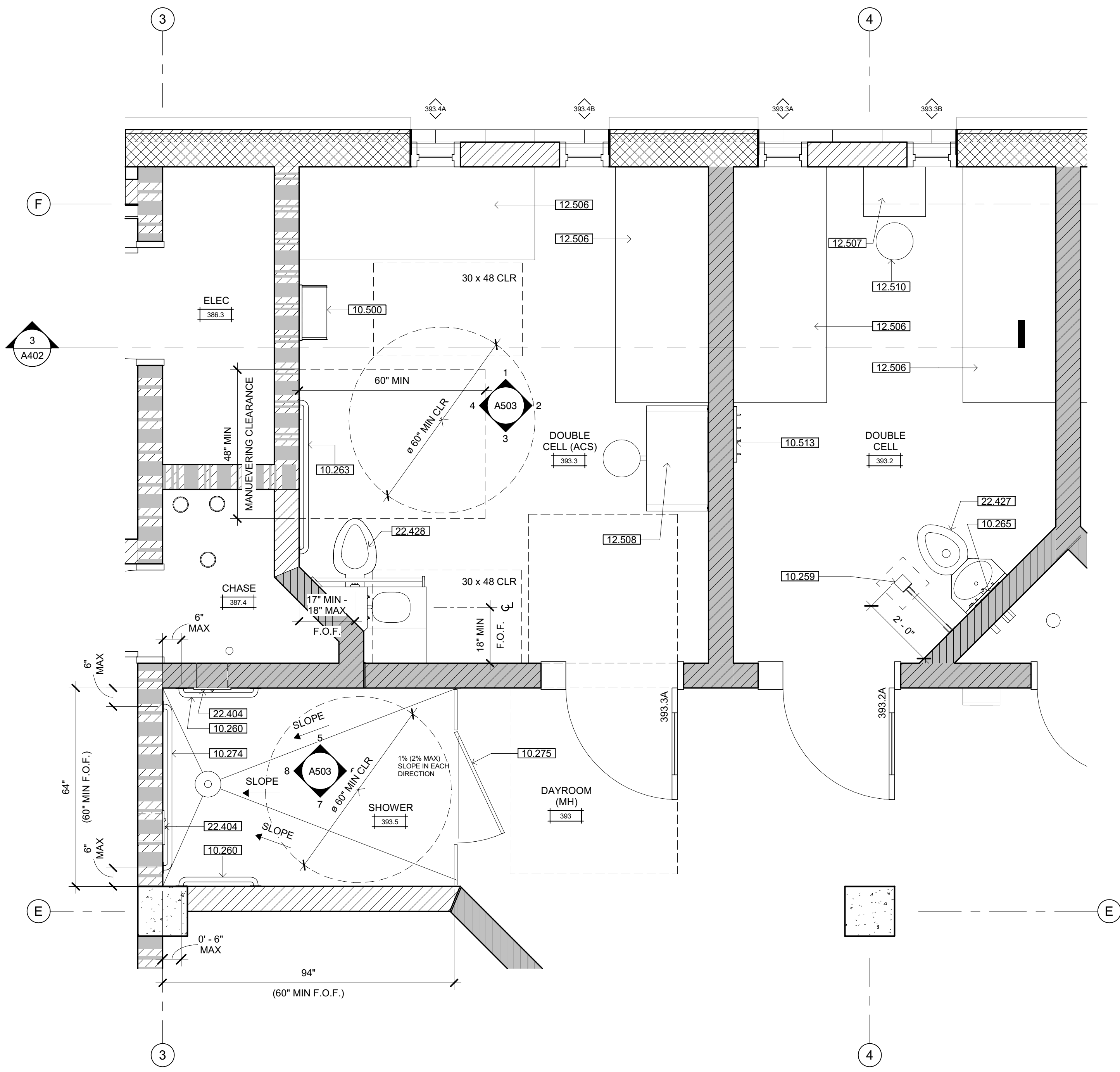
**2** TOILET ROOM 297.3-297.4  
 SCALE: 1/2" = 1'-0"



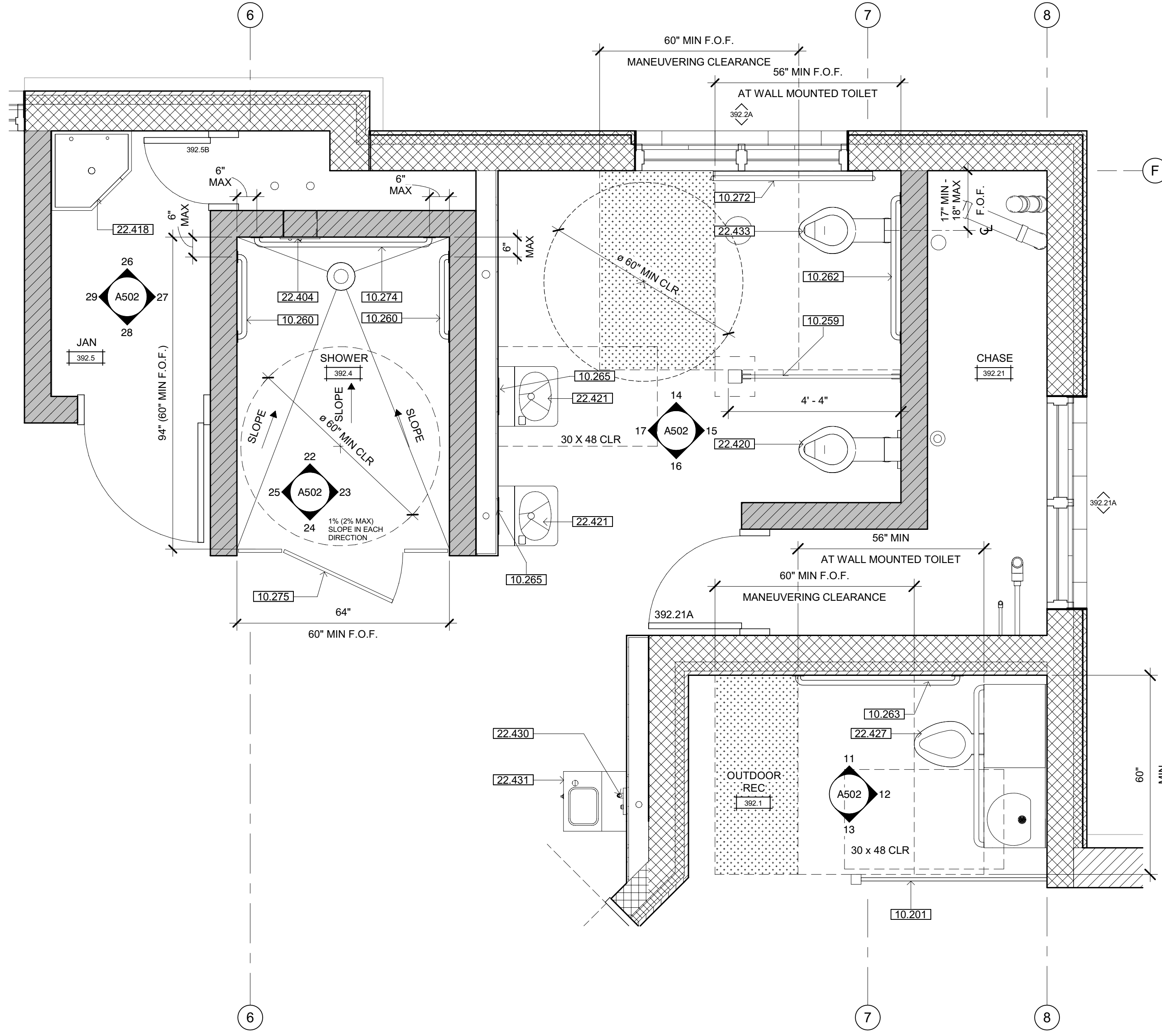
**3** TOILET ROOM 295.07  
 SCALE: 1/2" = 1'-0"



**4** TOILET ROOM 295.01  
 SCALE: 1/2" = 1'-0"



**1** **DOUBLE CELL/Shower ROOM 393-393.5**  
SCALE: 1/2" = 1'-0"



**2** **RESTROOM 316 & Shower/Jan 392.4-392.5**  
SCALE: 1/2" = 1'-0"

**SHEET NOTES**

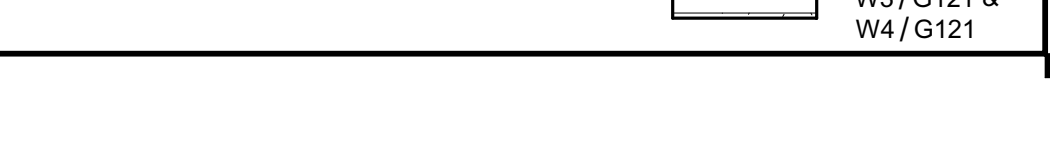
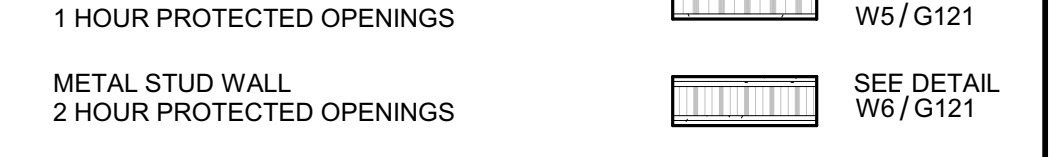
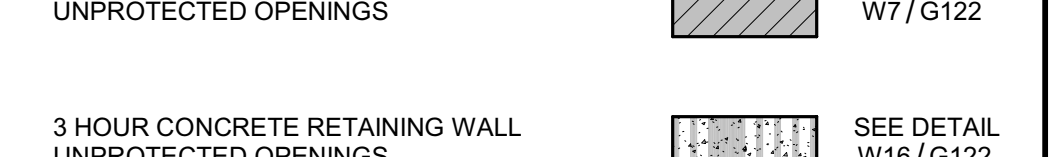
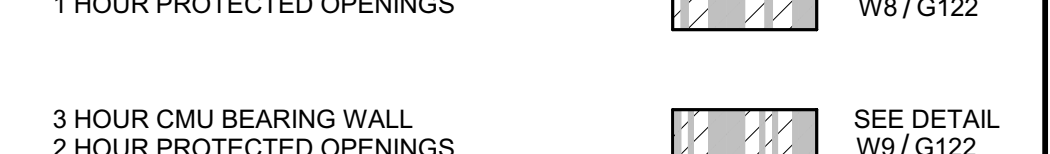
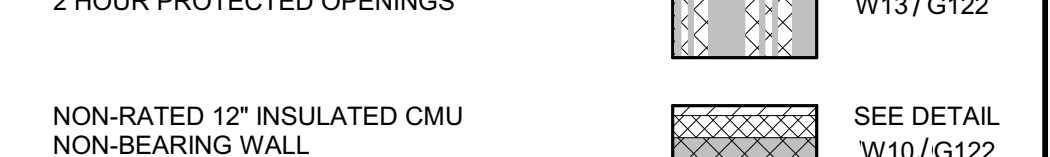
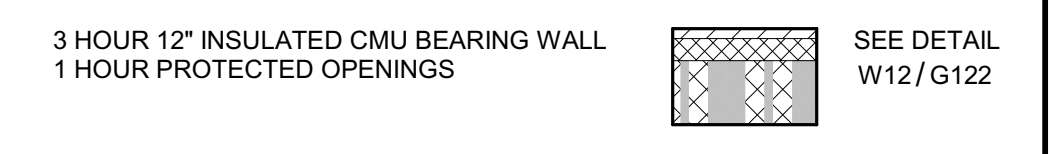
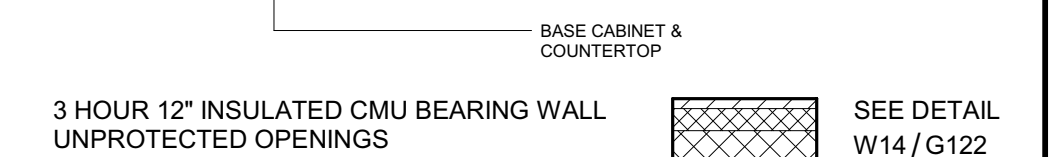
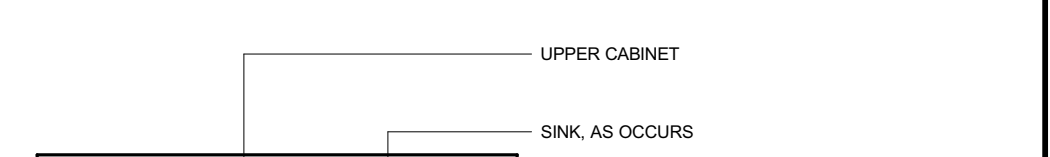
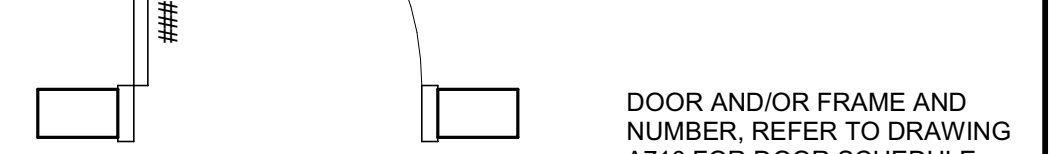
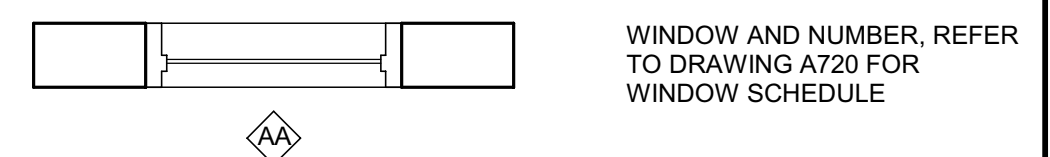
- 10.201 EXTERIOR DETENTION MODESTY SCREEN - SEE DETAIL 2/A961
- 10.259 TYPICAL MODESTY SCREEN - SEE DETAIL 11/A961
- 10.260 24" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.262 42" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.263 48" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.265 WALL MOUNTED DETENTION MIRROR - SEE DETAIL 15/A961
- 10.272 48" MODIFIED SECURITY GRAB BAR - SEE DETAIL 15/A970
- 10.274 +5/52" SECURITY GRAB BAR, FIELD VERIFY LENGTH TO MEET ADA REQUIREMENTS - SEE DETAIL 2 & 11/A970
- 10.275 ACCESSIBLE SECURITY SOLID PLASTIC SHOWER PARTITION & DOOR - SEE DETAILS 3, 4, 5 & 7/A962
- 10.500 STAINLESS STEEL SHELF WITH HANGER HOOKS
- 10.513 DETENTION HOOK STRIP
- 12.506 CONCRETE BUNK - SEE DETAIL 3/A961
- 12.507 WALL MOUNTED BUILT-IN DETENTION DESK - SEE DETAIL 4/A961
- 12.508 ACCESSIBLE BUILT-IN DESK & STOOL - SEE DETAILS 1 & 12/A961
- 12.510 FLOOR MOUNTED BUILT-IN DETENTION STOOL - SEE DETAIL 4/A961
- 22.404 RECESSED SECURITY SHOWER AND CONTROLS
- 22.418 FLOOR MOUNTED SINK
- 22.420 DETENTION FLOOR MOUNTED TOILET
- 22.421 DETENTION WALL HUNG SINK
- 22.427 ACCESSIBLE COMBINATION TOILET-LAVATORY
- 22.428 ACCESSIBLE COMBINATION TOILET-LAVATORY - 45 DEGREE MOUNT
- 22.430 WALL MOUNTED HOT WATER DISPENSER
- 22.431 WALL HUNG DETENTION DRINKING FOUNTAIN
- 22.433 ACCESSIBLE DETENTION FLOOR MOUNTED TOILET

**GENERAL NOTES**

- A. STRUCTURAL GRID LINES TO FACE OF STRUCTURE (STUD / MASONRY) OR TO CENTERLINE OF COLUMN UNLESS OTHERWISE TYPICAL.
- B. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, SECURITY ELECTRONICS, & LOW VOLTAGE DRAWINGS FOR ADDITIONAL CONSTRUCTION FEATURES, SYSTEMS, FIXTURES AND EQUIPMENT NOT IDENTIFIED OR ILLUSTRATED HEREIN.
- C. REFER TO FINISH SCHEDULE (SHEET A900) FOR WALL, FLOOR AND CEILING FINISHES AS WELL AS MISCELLANEOUS SPECIALTIES NOT IDENTIFIED OR ILLUSTRATED HEREIN.

**ENLARGED FLOOR PLAN LEGEND**

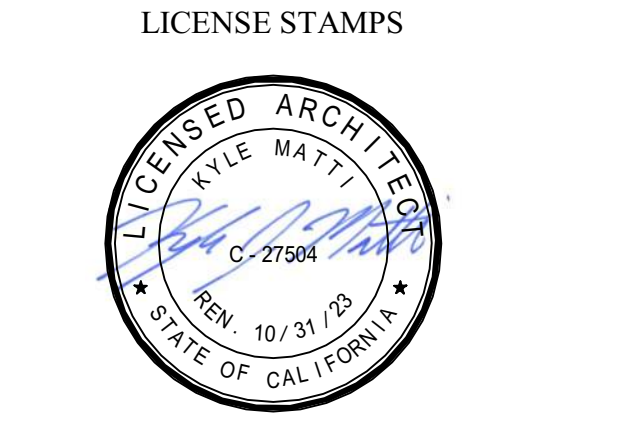
REFER TO DRAWINGS A211-A214 FOR DIMENSIONED FLOOR PLANS. REFER TO DRAWINGS A201-A204 FOR WALL ASSEMBLY LOCATIONS & PARTITION TYPE CALLOUTS.



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LIONAKIS CONSULTANTS



**PROJECT NAME**  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**  
**ENLARGED FLOOR PLANS - LEVEL 3**

**DRAWING STATUS**

**WORKING DRAWINGS**

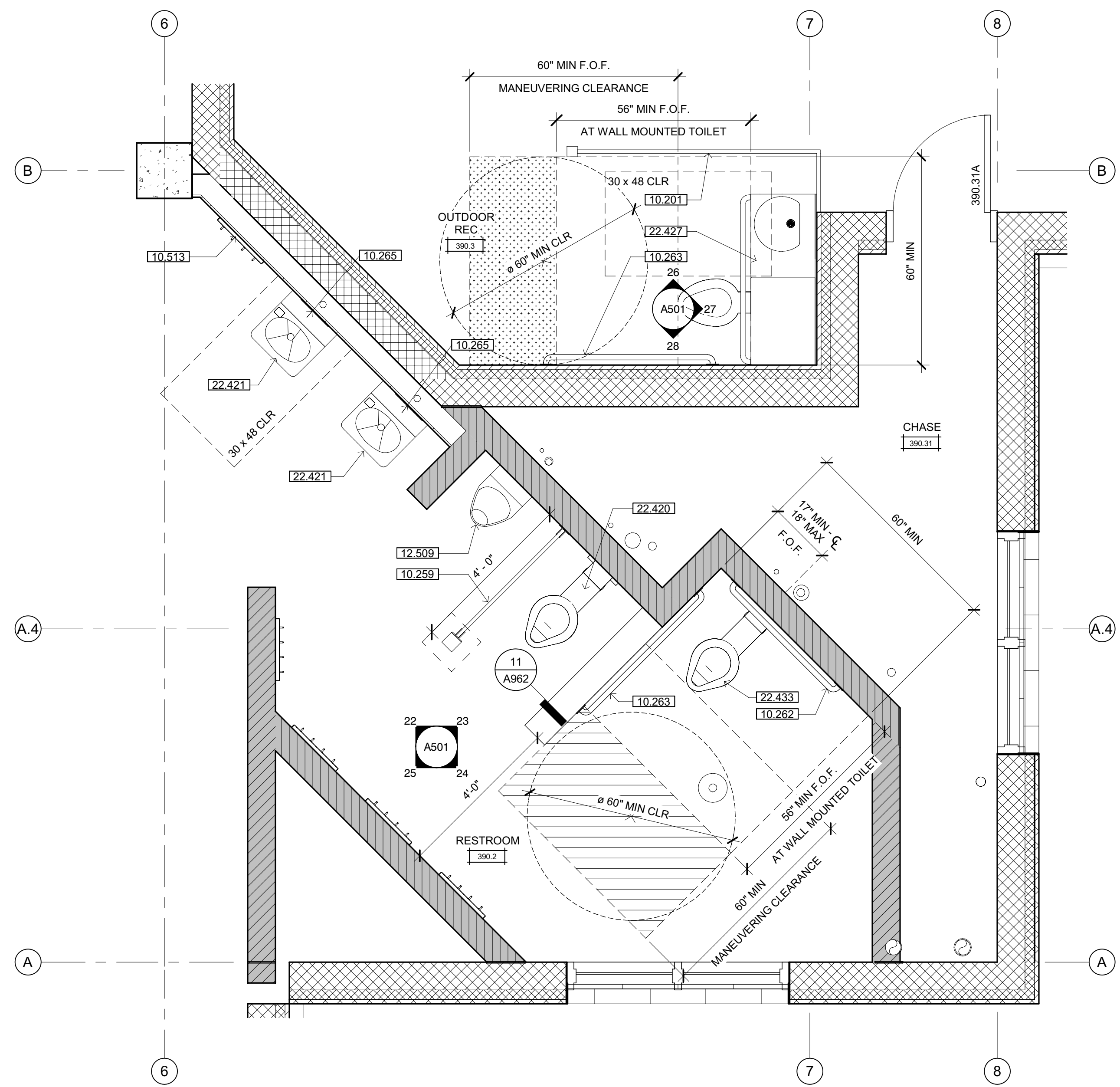
**REVISIONS**

Delta	Description	Date

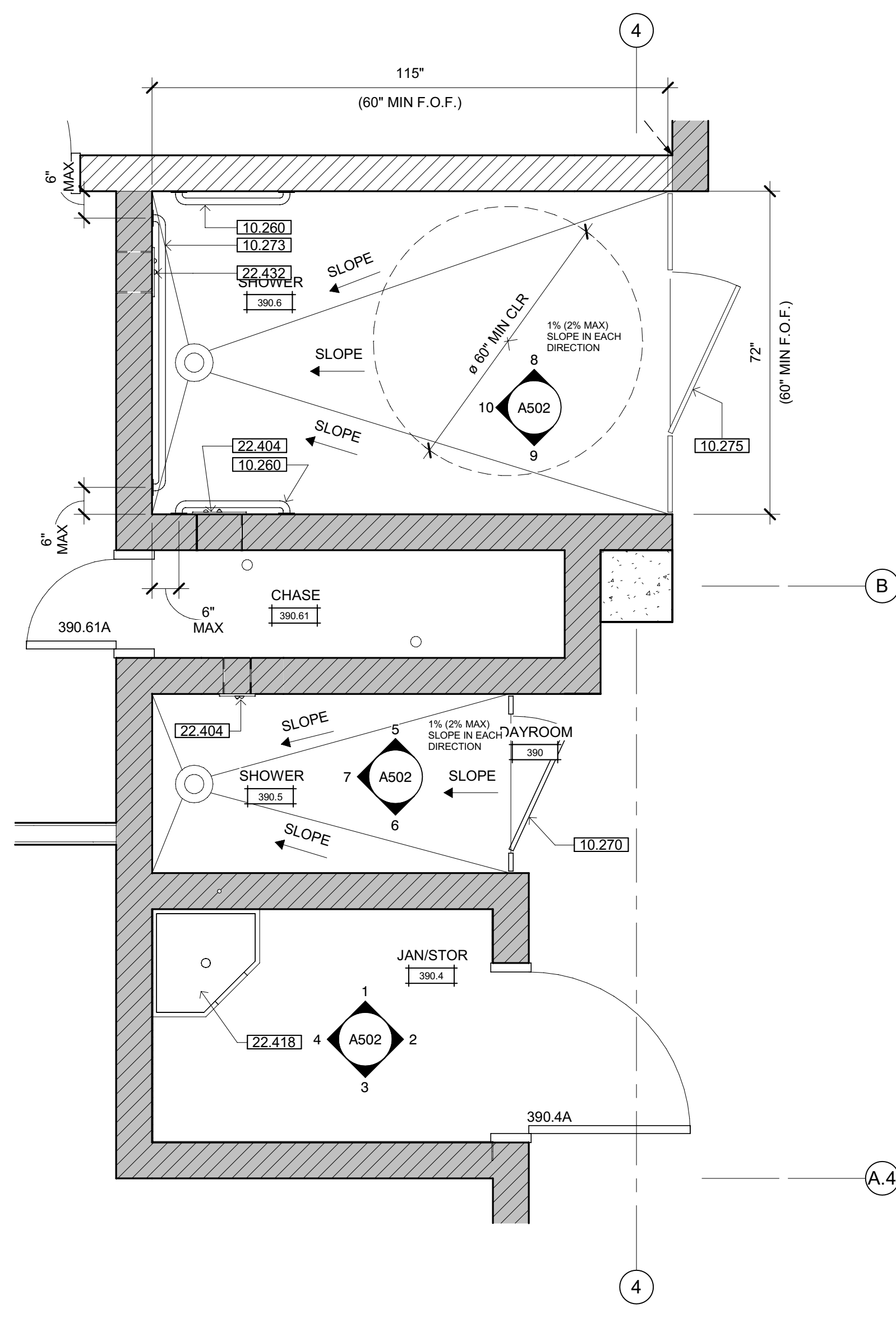
Drawn By	ON/AMP
Date Issued	09.19.2022
Scale	1/2" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A221 V4**

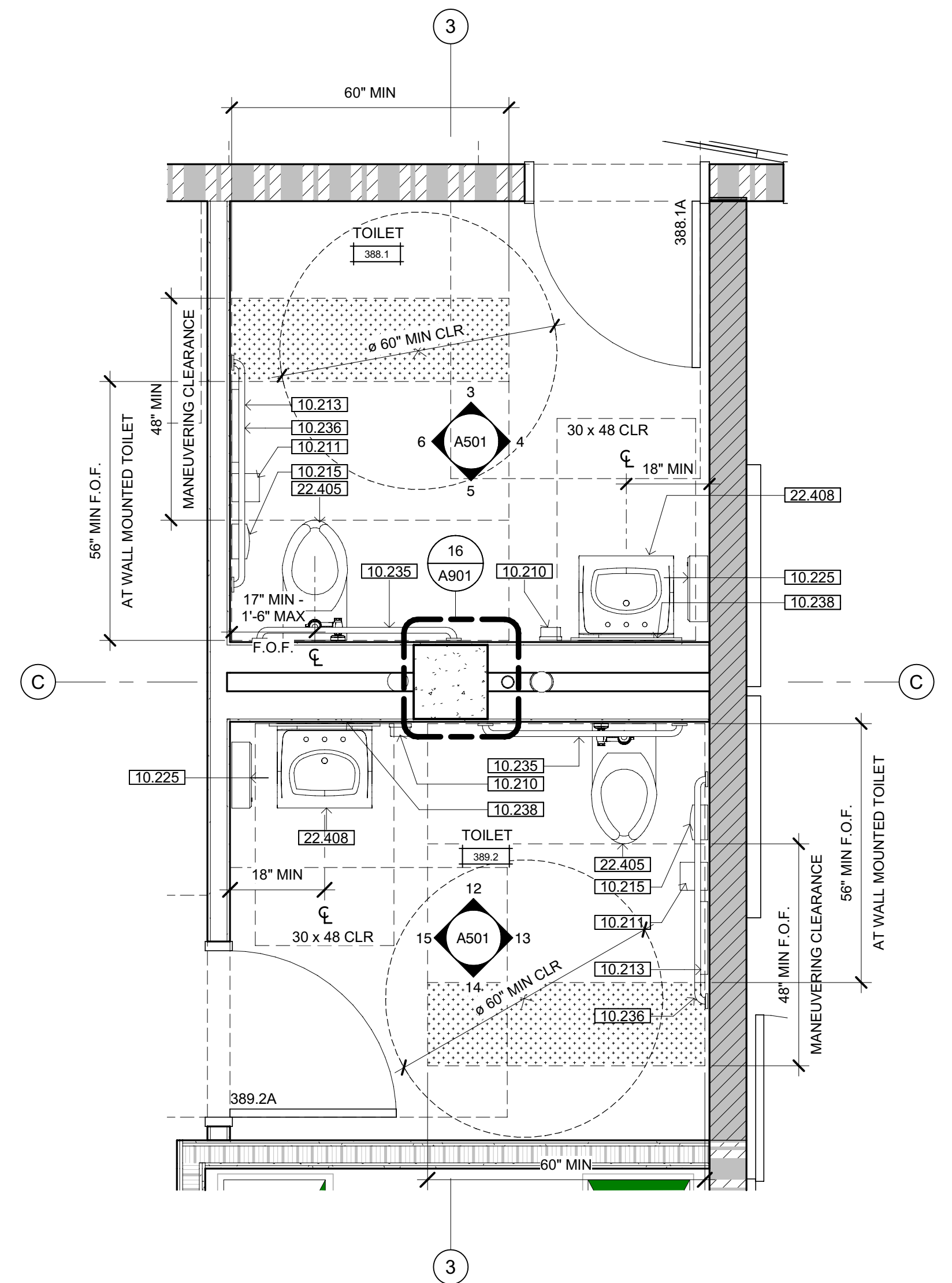
Plot Date: 9/20/2022 1:32:14 PM File Name: 316-393-Infirmary Cor. Connections Re-Entry Resources Ctr/A\_MCR-Re-Entry.rvt



**1 RESTROOM/CHASE ROOM**  
390.2-390.31  
SCALE: 1/2" = 1'-0"



**2 SHOWERS/JAN ROOM**  
390.4-390.5-390.6-390.61  
SCALE: 1/2" = 1'-0"



**3 TOILET ROOM 388.1-389.2**  
SCALE: 1/2" = 1'-0"

**SHEET NOTES**

- 10.201 EXTERIOR DETENTION MODESTY SCREEN - SEE DETAIL 2/A961
- 10.210 SURFACE MOUNTED SOAP DISPENSER
- 10.211 SURFACE MOUNTED TOILET TISSUE DISPENSER
- 10.213 SURFACE MOUNTED TOILET SEAT COVER DISPENSER
- 10.215 SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
- 10.225 SURFACE MOUNTED COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
- 10.235 42" GRAB BAR - SEE DETAIL 8/G212
- 10.236 48" GRAB BAR - SEE DETAIL 8/G212
- 10.238 24"x30" MIRROR
- 10.259 TYPICAL MODESTY SCREEN - SEE DETAIL 11/A961
- 10.260 24" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.262 42" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.263 48" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.265 WALL MOUNTED DETENTION MIRROR - SEE DETAIL 15/A961
- 10.270 NON-ACCESSIBLE SECURITY SOLID PLASTIC TOILET PARTITION & DOOR - SEE DETAILS 3, 4, 6 & 7/A962
- 10.273 +/-60" SECURITY GRAB BAR, FIELD VERIFY LENGTH TO MEET ADA REQUIREMENTS - SEE DETAIL 2 & 11/A970
- 10.275 ACCESSIBLE SECURITY SOLID PLASTIC SHOWER PARTITION & DOOR - SEE DETAILS 3, 4, 5 & 7/A962
- 10.513 DETENTION HOOK STRIP
- 12.509 WALL MOUNTED DETENTION URINAL
- 22.404 RECESSED SECURITY SHOWER AND CONTROLS
- 22.405 ACCESSIBLE WALL MOUNTED TOILET
- 22.408 ACCESSIBLE WALL MOUNTED LAVATORY
- 22.418 FLOOR MOUNTED SINK
- 22.420 DETENTION FLOOR MOUNTED TOILET
- 22.421 DETENTION WALL HUNG SINK
- 22.427 ACCESSIBLE COMBINATION TOILET-LAVATORY
- 22.432 REMOTE SHOWER CONTROLS
- 22.433 ACCESSIBLE DETENTION FLOOR MOUNTED TOILET

**GENERAL NOTES**

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- C. REFER TO FINISH SCHEDULE (SHEET A900) FOR WALL, FLOOR AND CEILING FINISHES AS WELL AS MISCELLANEOUS SPECIALTIES NOT IDENTIFIED OR ILLUSTRATED HEREIN.

**ENLARGED FLOOR PLAN LEGEND**

REFER TO DRAWINGS A211-A214 FOR DIMENSIONED FLOOR PLANS. REFER TO DRAWINGS A201-A204 FOR WALL ASSEMBLY LOCATIONS & PARTITION TYPE CALLOUTS.

WINDOW AND NUMBER, REFER TO DRAWING A720 FOR WINDOW SCHEDULE

DOOR AND/OR FRAME AND NUMBER, REFER TO DRAWING A710 FOR DOOR SCHEDULE

UPPER CABINET  
SINK, AS OCCURS  
BASE CABINET & COUNTERTOP

CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION

3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W14 / G122

3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W12 / G122

3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W13 / G122

3 HOUR 12" INSULATED CMU NON-BEARING WALL SEE DETAIL W10 / G122

3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W10 / G122

3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W8 / G122

3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W9 / G122

3 HOUR CMU BEARING FIRE WALL SEE DETAIL W17 / G122

NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS SEE DETAIL W7 / G122

3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS SEE DETAIL W16 / G122

NON-RATED CONCRETE SITE RETAINING WALL SEE DETAIL W15 / G122

METAL STUD WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W5 / G121

METAL STUD WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W6 / G121

NON-RATED METAL STUD WALL SEE DETAIL W3 / G121 & W4 / G121

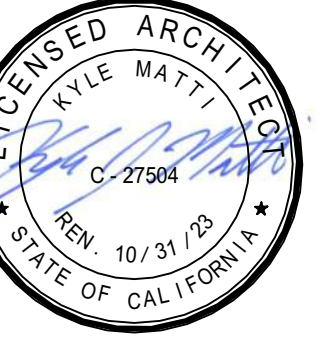


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**ARCHITECT OF RECORD**

**NICHOLS MELBURG & ROSSETTO**  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS

**LICENSE STAMPS**



**PROJECT NAME**

**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**

**ENLARGED FLOOR PLANS - LEVEL 3**

**DRAWING STATUS**

**WORKING DRAWINGS**

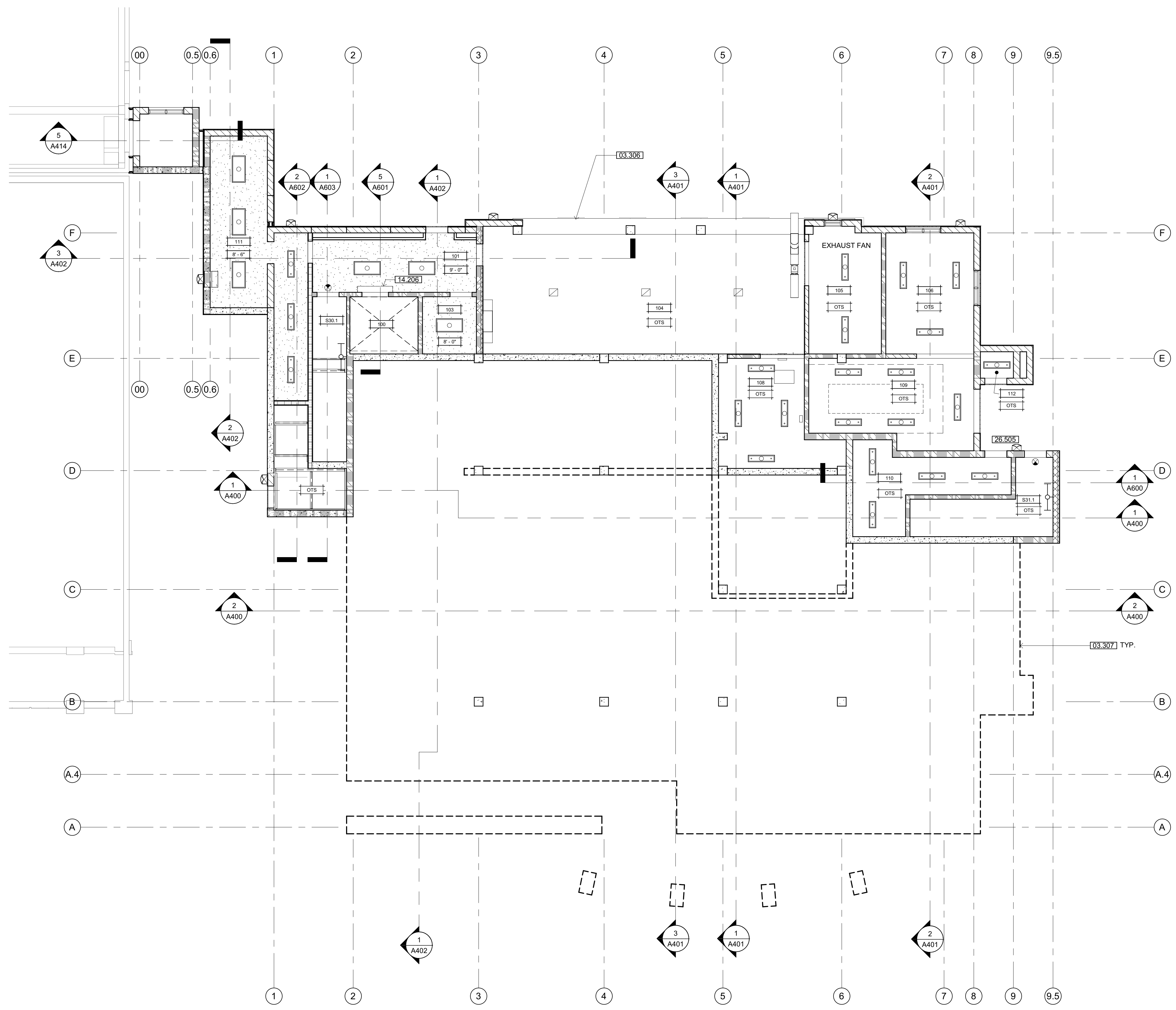
**REVISIONS**

Delta	Description	Date

Drawn By: **ON/AMP**  
Date Issued: **09.19.2022**  
Scale: **1/2" = 1'-0"**  
Project No.: **16-6421.00**

**SHEET No.**

**A222 V4**



**OVERALL REFLECTED  
CEILING PLAN - LEVEL 1**  
SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- 03.306 CONCRETE BEAM
- 03.307 LINE OF WALL BELOW GRADE
- 14.206 WALL MOUNTED SMOKE CURTAIN - FLUSH WITH CEILING WHERE CEILING OCCURS, SEE DETAIL 20/A603
- 26.505 WALL MOUNTED LIGHT FIXTURE - SMOOTH FACE BLOCK WHERE MOUNT OCCURS

**RCP NOTES**

1. CEILING HEIGHTS NOTED ARE FROM REFERENCE 0'-0" FLOOR ELEVATION OF THE BUILDING.
2. THE REFLECTED CEILING PLAN INDICATES THE LOCATION OF CEILING HEIGHTS, LIGHT FIXTURES, AND ASSOCIATED ITEMS. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL ELECTRICAL, HVAC, SPRINKLER, AND LIFE SAFETY INFORMATION. IN THE EVENT OF DISCREPANCIES IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING.
3. COORDINATE ALL TRADES INVOLVED WITH CEILING WORK TO ENSURE CLEARANCES FOR FIXTURES, DUCTS, PIPING, CEILING SUSPENSION SYSTEMS, ET CETERA NECESSARY TO ACHIEVE FINISHED CEILING HEIGHTS INDICATED ON THE DRAWINGS.
4. ALL LIGHT FIXTURES, EXIT SIGNS, SPRINKLER HEADS AND CEILING ELEMENTS SHALL BE LOCATED AT CENTER OF INDIVIDUAL CEILING TILES, UNLESS OTHERWISE NOTED.
5. CENTER ALL ACOUSTICAL CEILING GRIDS WITHIN THE ROOM UNLESS OTHERWISE NOTED.
6. REFER TO ELECTRICAL DRAWINGS FOR SWITCHING & POWER ZONE.

**GENERAL NOTES**

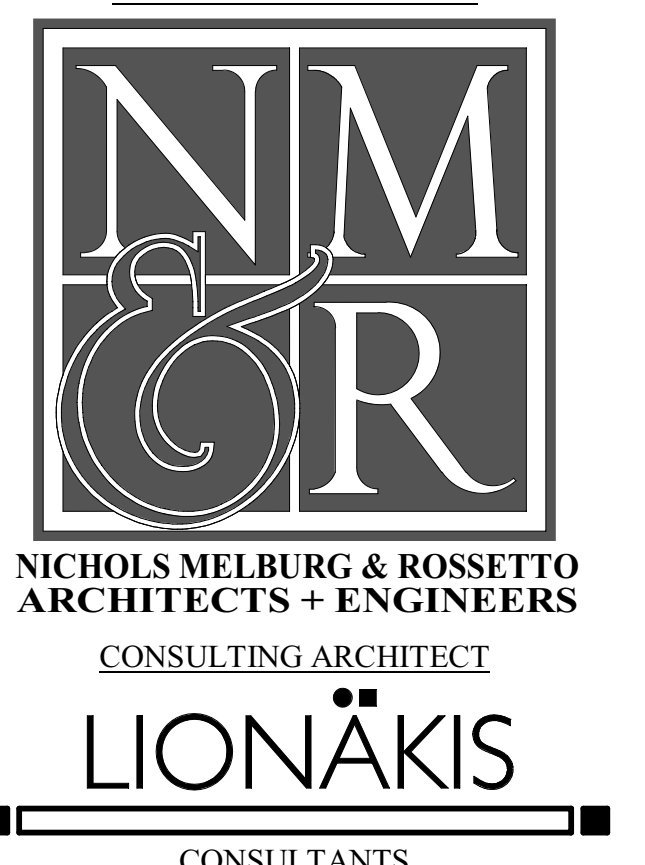
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- C. REFER TO FINISH SCHEDULE (SHEET A900) FOR WALL, FLOOR AND CEILING FINISHES AS WELL AS MISCELLANEOUS SPECIALTIES NOT IDENTIFIED OR ILLUSTRATED HEREIN.

**RCP LEGEND**

- 24" x 48" LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAIL C3/G120
- GYPSUM BOARD CEILING (MOISTURE RESISTANT AT ALL WET AREAS). SEE DETAIL C1/G120
- IMPACT-RESISTANT GYPSUM BOARD w/SECURITY LATH CEILING (MOISTURE RESISTANT AT ALL WET AREAS). SEE DETAIL C2/G120
- 24" WIDE SECURITY METAL PLANK CEILING. SEE DETAIL C4/G120
- 12" WIDE METAL SOFFIT PANEL
- EXTERIOR CEMENT PLASTER CEILING. SEE DETAIL C5/G120
- TUBULAR SKYLIGHT DIFFUSER. SEE DETAIL 1/A931
- LIGHTED EXIT SIGN
- 1x4' SURFACE MOUNTED LIGHT FIXTURE
- 2x4 SURFACE-MOUNTED LIGHT FIXTURE
- 1x4' WALL MOUNTED LIGHT FIXTURE
- 1x4' PENDANT MOUNTED LIGHT FIXTURE
- 2x4' LAY-IN LIGHT FIXTURE
- 1x4' LAY-IN LIGHT FIXTURE
- 2x2' LAY-IN LIGHT FIXTURE
- 2x2' SUSPENDED LIGHT FIXTURE
- CEILING SUPPLY DIFFUSER
- 6" DIAMETER RECESSED CAN LIGHT FIXTURE
- FIRE ALARM HORN/STROBE
- FIRE SPRINKLER HEADS
- EXTERIOR WALL MOUNTED LIGHT
- LED GARAGE LUMINAIRE W/ MOTION SENSING
- HVAC RETURN
- HVAC DIFFUSER

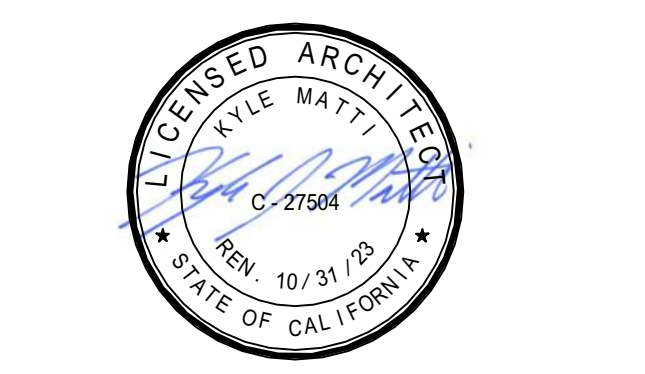


Approval of these plans does not authorize or approve any construction or installation from applicable regulations. Approval is subject to field inspection. Other set of approved plans shall be available on the project site at all times.



CONSULTANTS

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**REFLECTED CEILING  
PLAN - LEVEL 1**

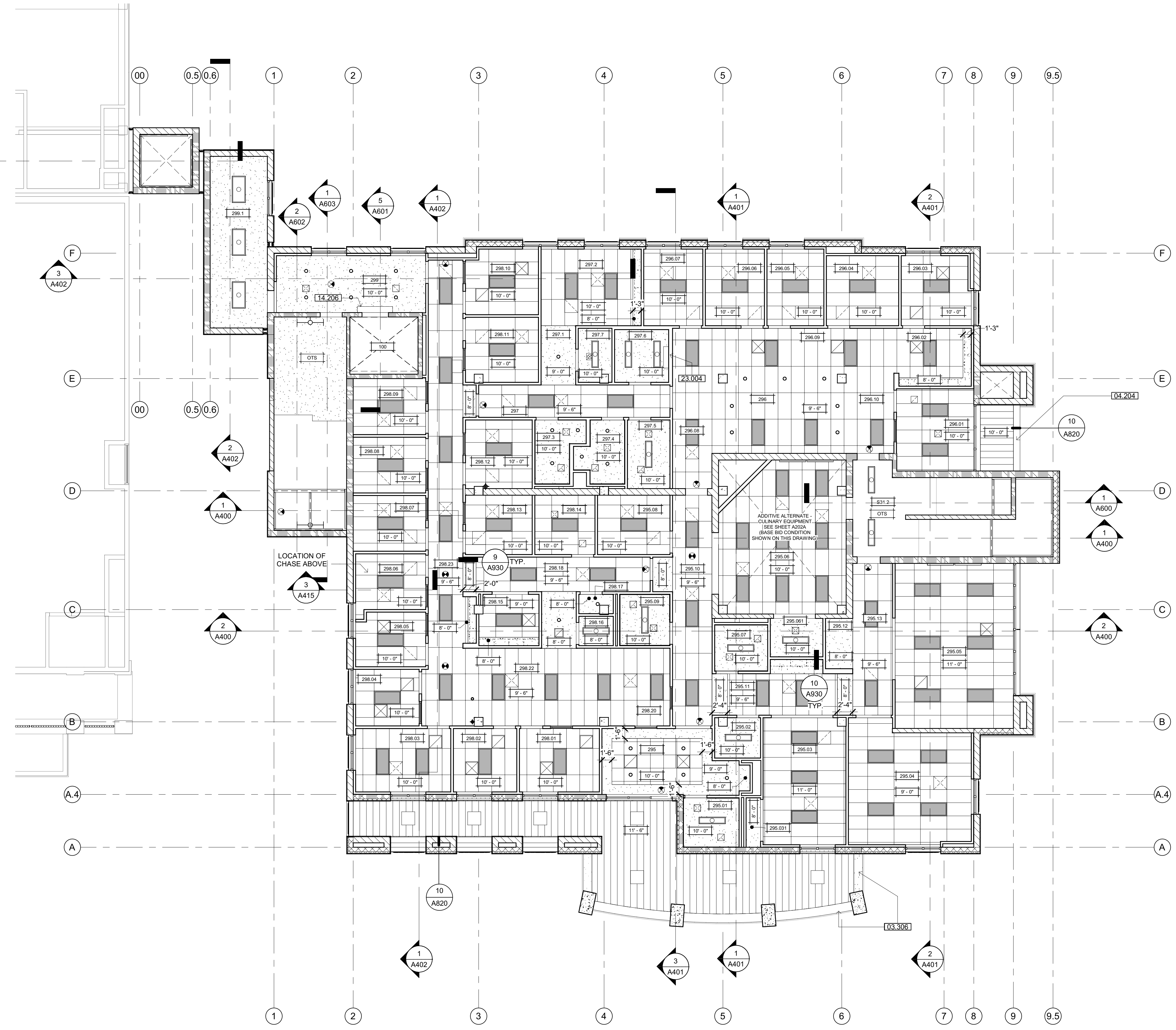
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By: AMP/KIP  
Date Issued: 09.19.2022  
Scale: 1/8" = 1'-0"  
Project No.: 16-6421.00

SHEET No.  
**A251 V4**



**OVERALL REFLECTED  
CEILING PLAN - LEVEL 2**  
SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- 03.306 CONCRETE BEAM
- 04.204 CMU LINTEL
- 14.206 WALL MOUNTED SMOKE CURTAIN - FLUSH WITH CEILING WHERE CEILING OCCURS, SEE DETAIL 20/A603
- 23.004 HVAC UNIT

**RCP NOTES**

1. CEILING HEIGHTS NOTED ARE FROM REFERENCE 0'-0" FLOOR ELEVATION OF THE BUILDING.
2. THE REFLECTED CEILING PLAN INDICATES THE LOCATION OF CEILING HEIGHTS, LIGHT FIXTURES, AND ASSOCIATED ITEMS. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL ELECTRICAL, HVAC, SPRINKLER, AND LIFE SAFETY INFORMATION. IN THE EVENT OF DISCREPANCIES IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING.
3. COORDINATE ALL TRADES INVOLVED WITH CEILING WORK TO ENSURE CLEARANCES FOR FIXTURES, DUCTS, PIPING, CEILING SUSPENSION SYSTEMS, ET CETERA NECESSARY TO ACHIEVE FINISHED CEILING HEIGHTS INDICATED ON THE DRAWINGS.
4. ALL LIGHT FIXTURES, EXIT SIGNS, SPRINKLER HEADS AND CEILING ELEMENTS SHALL BE LOCATED AT CENTER OF INDIVIDUAL CEILING TILES, UNLESS OTHERWISE NOTED.
5. CENTER ALL ACOUSTICAL CEILING GRIDS WITHIN THE ROOM UNLESS OTHERWISE NOTED.
6. REFER TO ELECTRICAL DRAWINGS FOR SWITCHING & POWER/ZONE.

**GENERAL NOTES**

- A. STRUCTURAL GRID LINES TO FACE OF STRUCTURE (STUD / MASONRY) OR TO CENTERLINE OF COLUMN (WHERE APPLICABLE) TYPICAL.
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- C. REFER TO FINISH SCHEDULE (SHEET A900) FOR WALL, FLOOR AND CEILING FINISHES AS WELL AS MISCELLANEOUS SPECIALTIES NOT IDENTIFIED OR ILLUSTRATED HEREIN.

**RCP LEGEND**

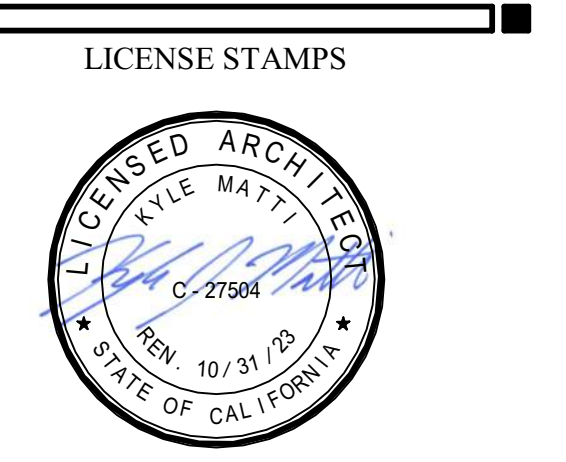
- 24" x 48" LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAIL C3/G120.
- GYPSUM BOARD CEILING (MOISTURE RESISTANT AT ALL WET AREAS). SEE DETAIL C1/G120.
- IMPACT-RESISTANT GYPSUM BOARD w/SECURITY LATH CEILING (MOISTURE RESISTANT AT ALL WET AREAS). SEE DETAIL C2/G120.
- 24" WIDE SECURITY METAL PLANK CEILING. SEE DETAIL C4/G120.
- 12" WIDE METAL SOFFIT PANEL.
- EXTERIOR CEMENT PLASTER CEILING. SEE DETAIL C5/G120.
- TUBULAR SKYLIGHT DIFFUSER. SEE DETAIL 1/A931.
- LIGHTED EXIT SIGN.
- 1'x4' SURFACE MOUNTED LIGHT FIXTURE.
- 2'x4' SURFACE-MOUNTED LIGHT FIXTURE.
- 1'x4' WALL MOUNTED LIGHT FIXTURE.
- 1'x4' PENDANT MOUNTED LIGHT FIXTURE.
- 2'x4' LAY-IN LIGHT FIXTURE.
- 1'x4' LAY-IN LIGHT FIXTURE.
- 2'x2' LAY-IN LIGHT FIXTURE.
- 2'x2' SUSPENDED LIGHT FIXTURE.
- CEILING SUPPLY DIFFUSER.
- 6" DIAMETER RECESSED CAN LIGHT FIXTURE.
- FIRE ALARM HORN/STROBE.
- FIRE SPRINKLER HEADS.
- EXTERIOR WALL MOUNTED LIGHT.
- LED GARAGE LUMINAIRE W/ MOTION SENSING.
- HVAC RETURN.
- HVAC DIFFUSER.



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NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**REFLECTED CEILING  
PLAN - LEVEL 2**

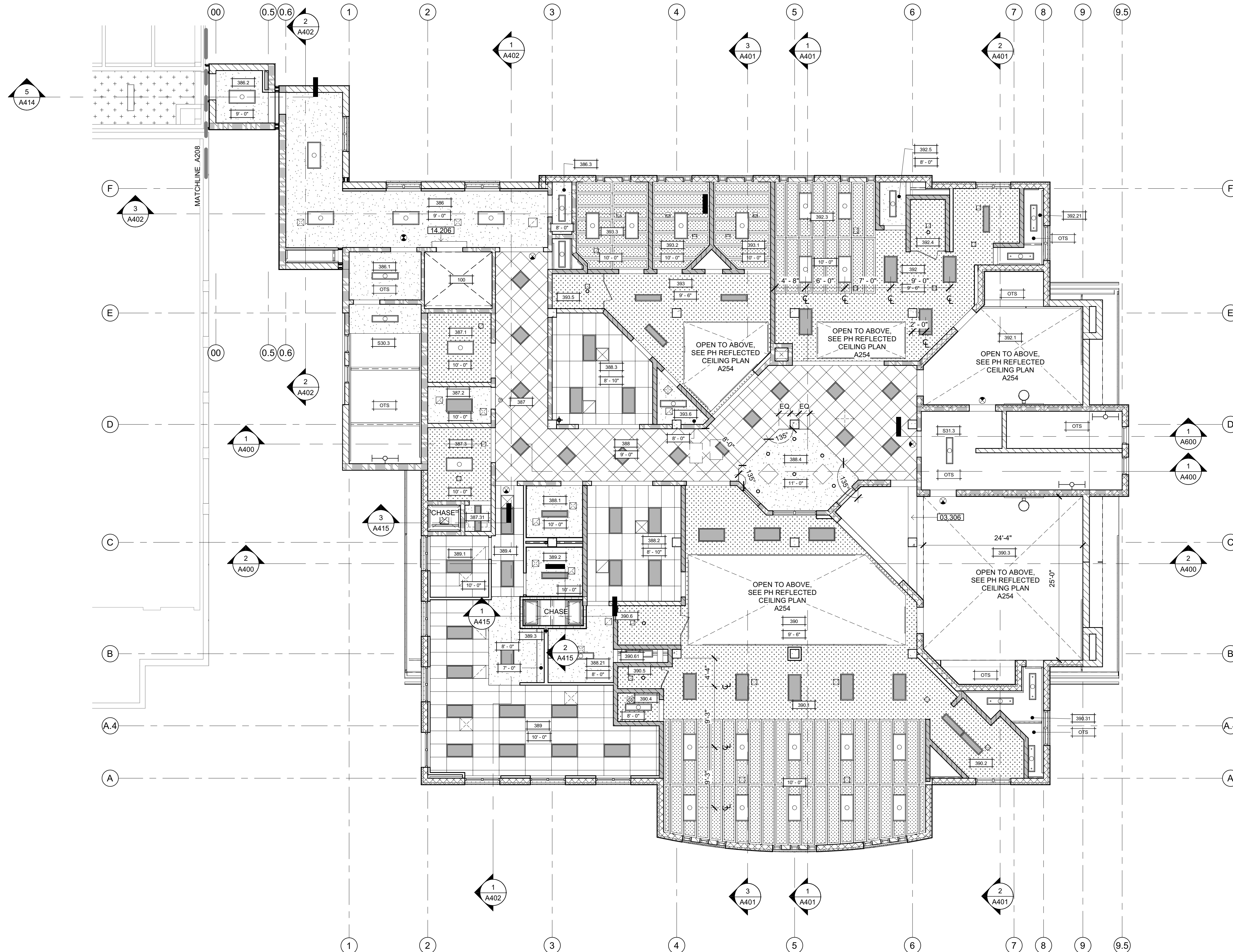
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By: AMP/KIP  
Date Issued: 09.19.2022  
Scale: 1/8" = 1'-0"  
Project No.: 16-6421.00

SHEET No.  
**A252 V4**





**OVERALL REFLECTED CEILING PLAN - LEVEL 3**  
 SCALE: 1/8" = 1'-0"

### SHEET NOTES

03.306 CONCRETE BEAM  
 14.206 WALL MOUNTED SMOKE CURTAIN - FLUSH WITH CEILING WHERE CEILING OCCURS, SEE DETAIL 20/A603

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### RCP NOTES

1. CEILING HEIGHTS NOTED ARE FROM REFERENCE 0'-0" FLOOR ELEVATION OF THE BUILDING.
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### GENERAL NOTES

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### RCP LEGEND

	24" x 48" LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAIL C3/G120
	GYPSUM BOARD CEILING (MOISTURE RESISTANT AT ALL WET AREAS). SEE DETAIL C1/G120
	IMPACT-RESISTANT GYPSUM BOARD w/ SECURITY LATH CEILING (MOISTURE RESISTANT AT ALL WET AREAS). SEE DETAIL C2/G120
	24" WIDE SECURITY METAL PLANK CEILING. SEE DETAIL C4/G120.
	12" WIDE METAL SOFFIT PANEL
	EXTERIOR CEMENT PLASTER CEILING. SEE DETAIL C5/G120.
	TUBULAR SKYLIGHT DIFFUSER SEE DETAIL 1/A631
	LIGHTED EXIT SIGN
	1x4' SURFACE MOUNTED LIGHT FIXTURE
	2x4 SURFACE-MOUNTED LIGHT FIXTURE
	1x4' WALL MOUNTED LIGHT FIXTURE
	1x4' PENDANT MOUNTED LIGHT FIXTURE
	2x4' LAY-IN LIGHT FIXTURE
	1x4' LAY-IN LIGHT FIXTURE
	2x2' LAY-IN LIGHT FIXTURE
	2x2' SUSPENDED LIGHT FIXTURE
	CEILING SUPPLY DIFFUSER
	6" DIAMETER RECESSED CAN LIGHT FIXTURE
	FIRE ALARM HORN/STROBE
	FIRE SPRINKLER HEADS
	EXTERIOR WALL MOUNTED LIGHT
	LED GARAGE LUMINAIRE W/ MOTION SENSING
	HVAC RETURN
	HVAC DIFFUSER

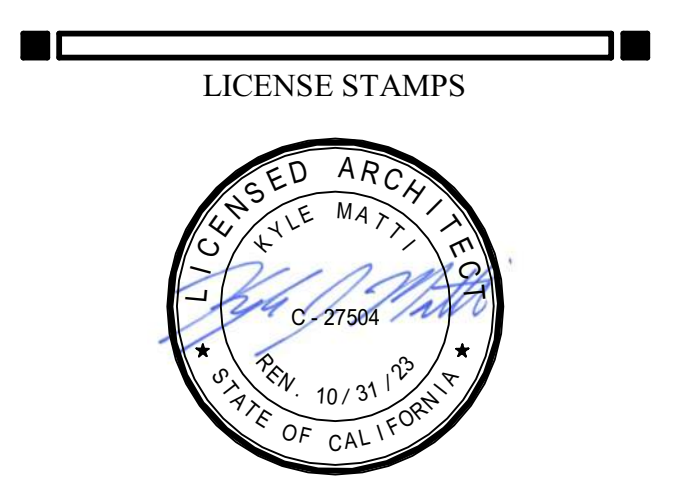


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ARCHITECT OF RECORD

**NICHOLS MELBURG & ROSSETTO**  
**ARCHITECTS + ENGINEERS**  
 CONSULTING ARCHITECT

**LIONAKIS**  
 CONSULTANTS



PROJECT NAME

**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE

**REFLECTED CEILING**  
**PLAN - LEVEL 3**

DRAWING STATUS

**WORKING DRAWINGS**

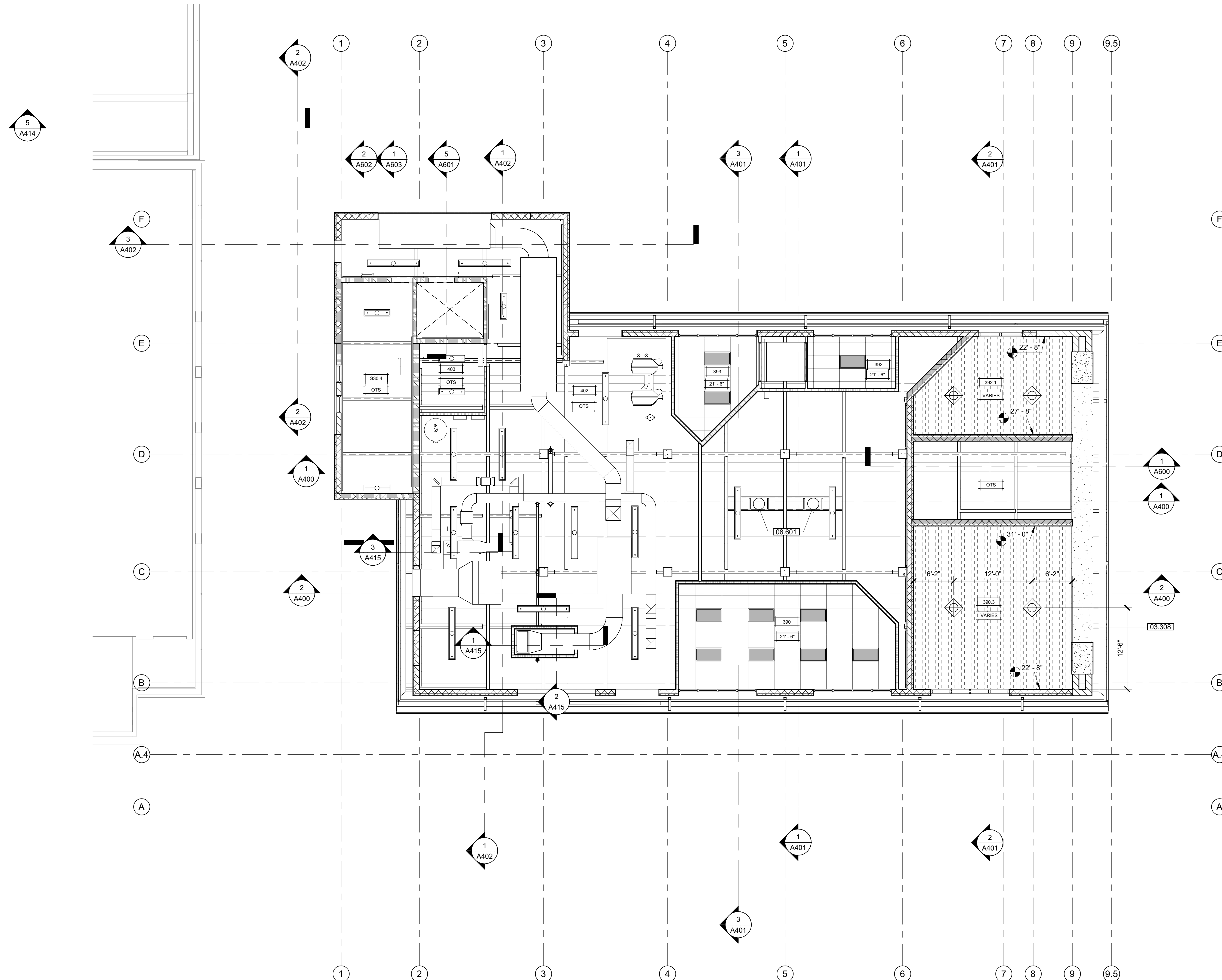
REVISIONS

Delta	Description	Date

Drawn By	AMP/KIP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.

**A253 V4**



**OVERALL REFLECTED CEILING  
 PLAN - LEVEL 4**  
 SCALE: 1/8" = 1'-0"

### SHEET NOTES

03.308 CONCRETE LINTEL- COLOR C  
08.601 TUBULAR SKYLIGHT

---

### RCP NOTES

1. CEILING HEIGHTS NOTED ARE FROM REFERENCE 0'-0" FLOOR ELEVATION OF THE BUILDING.
2. THE REFLECTED CEILING PLAN INDICATES THE LOCATION OF CEILING HEIGHTS, LIGHT FIXTURES, AND ASSOCIATED ITEMS. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL ELECTRICAL, HVAC, SPRINKLER, AND LIFE SAFETY INFORMATION. IN THE EVENT OF DISCREPANCIES IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING.
3. COORDINATE ALL TRADES INVOLVED WITH CEILING WORK TO ENSURE CLEARANCES FOR FIXTURES, DUCTS, PIPING, CEILING SUSPENSION SYSTEMS, ET CETERA NECESSARY TO ACHIEVE FINISHED CEILING HEIGHTS INDICATED ON THE DRAWINGS.
4. ALL LIGHT FIXTURES, EXIT SIGNS, SPRINKLER HEADS AND CEILING ELEMENTS SHALL BE LOCATED AT CENTER OF INDIVIDUAL CEILING TILES, UNLESS OTHERWISE NOTED.
5. CENTER ALL ACOUSTICAL CEILING GRIDS WITHIN THE ROOM UNLESS OTHERWISE NOTED.
6. REFER TO ELECTRICAL DRAWINGS FOR SWITCHING & POWER/ZONE.

---

### GENERAL NOTES

- A. STRUCTURAL GRID LINES TO FACE OF STRUCTURE (STUD / MASONRY) OR TO CENTERLINE OF COLUMN (WHERE APPLICABLE) TYPICAL.
- B. REFER TO STRUCTURAL, MECHANICAL / PLUMBING, ELECTRICAL, FIRE PROTECTION, SECURITY ELECTRONICS, & LOW VOLTAGE DRAWINGS FOR ADDITIONAL CONSTRUCTION FEATURES, SYSTEMS, FIXTURES AND EQUIPMENT NOT IDENTIFIED OR ILLUSTRATED HEREIN.
- C. REFER TO FINISH SCHEDULE (SHEET A900) FOR WALL, FLOOR AND CEILING FINISHES AS WELL AS MISCELLANEOUS SPECIALTIES NOT IDENTIFIED OR ILLUSTRATED HEREIN.

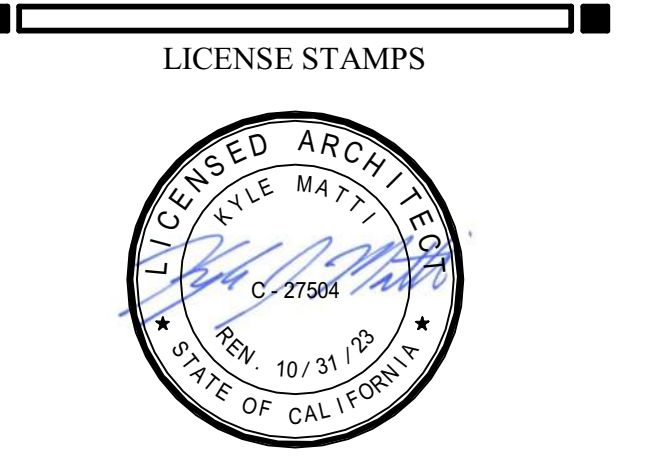
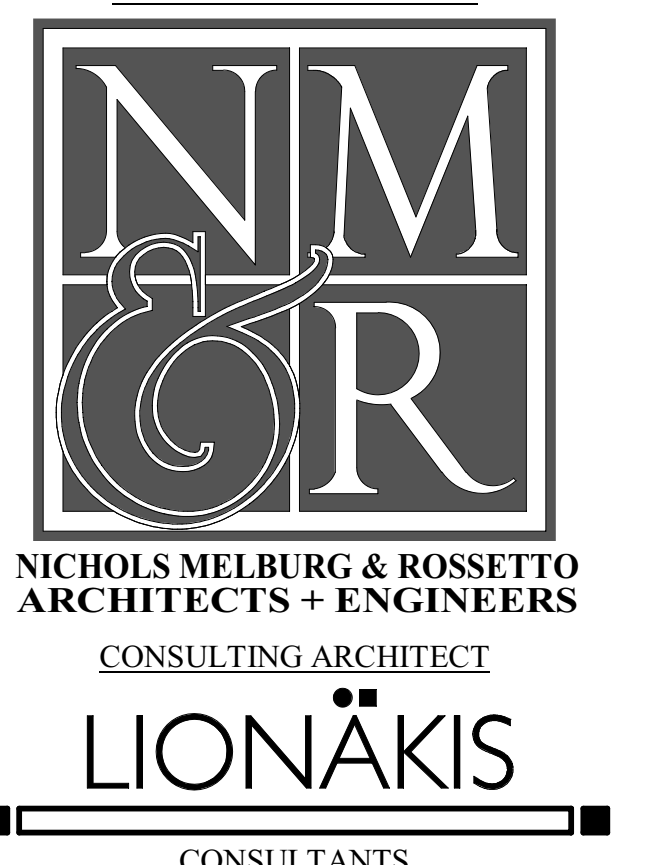
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### RCP LEGEND

	24" x 48" LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAIL C3/G120.
	GYPSUM BOARD CEILING (MOISTURE RESISTANT AT ALL WET AREAS). SEE DETAIL C1/G120.
	IMPACT-RESISTANT GYPSUM BOARD w/SECURITY LATH CEILING (MOISTURE RESISTANT AT ALL WET AREAS). SEE DETAIL C2/G120.
	24" WIDE SECURITY METAL PLANK CEILING. SEE DETAIL C4/G120.
	12" WIDE METAL SOFFIT PANEL.
	EXTERIOR CEMENT PLASTER CEILING. SEE DETAIL C5/G120.
	TUBULAR SKYLIGHT DIFFUSER. SEE DETAIL 1/A931.
	LIGHTED EXIT SIGN.
	1x4' SURFACE MOUNTED LIGHT FIXTURE.
	2x4 SURFACE-MOUNTED LIGHT FIXTURE.
	1x4' WALL MOUNTED LIGHT FIXTURE.
	1x4' PENDANT MOUNTED LIGHT FIXTURE.
	2x4 LAY-IN LIGHT FIXTURE.
	1x4 LAY-IN LIGHT FIXTURE.
	2x2 LAY-IN LIGHT FIXTURE.
	2x2' SUSPENDED LIGHT FIXTURE.
	CEILING SUPPLY DIFFUSER.
	6" DIAMETER RECESSED CAN LIGHT FIXTURE.
	FIRE ALARM HORN/STROBE.
	FIRE SPRINKLER HEADS.
	EXTERIOR WALL MOUNTED LIGHT.
	LED GARAGE LUMINARE W/ MOTION SENSING.
	HVAC RETURN.
	HVAC DIFFUSER.



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PROJECT NAME  
**HUMBOLDT COUNTY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**REFLECTED CEILING  
 PLAN - LEVEL 4**

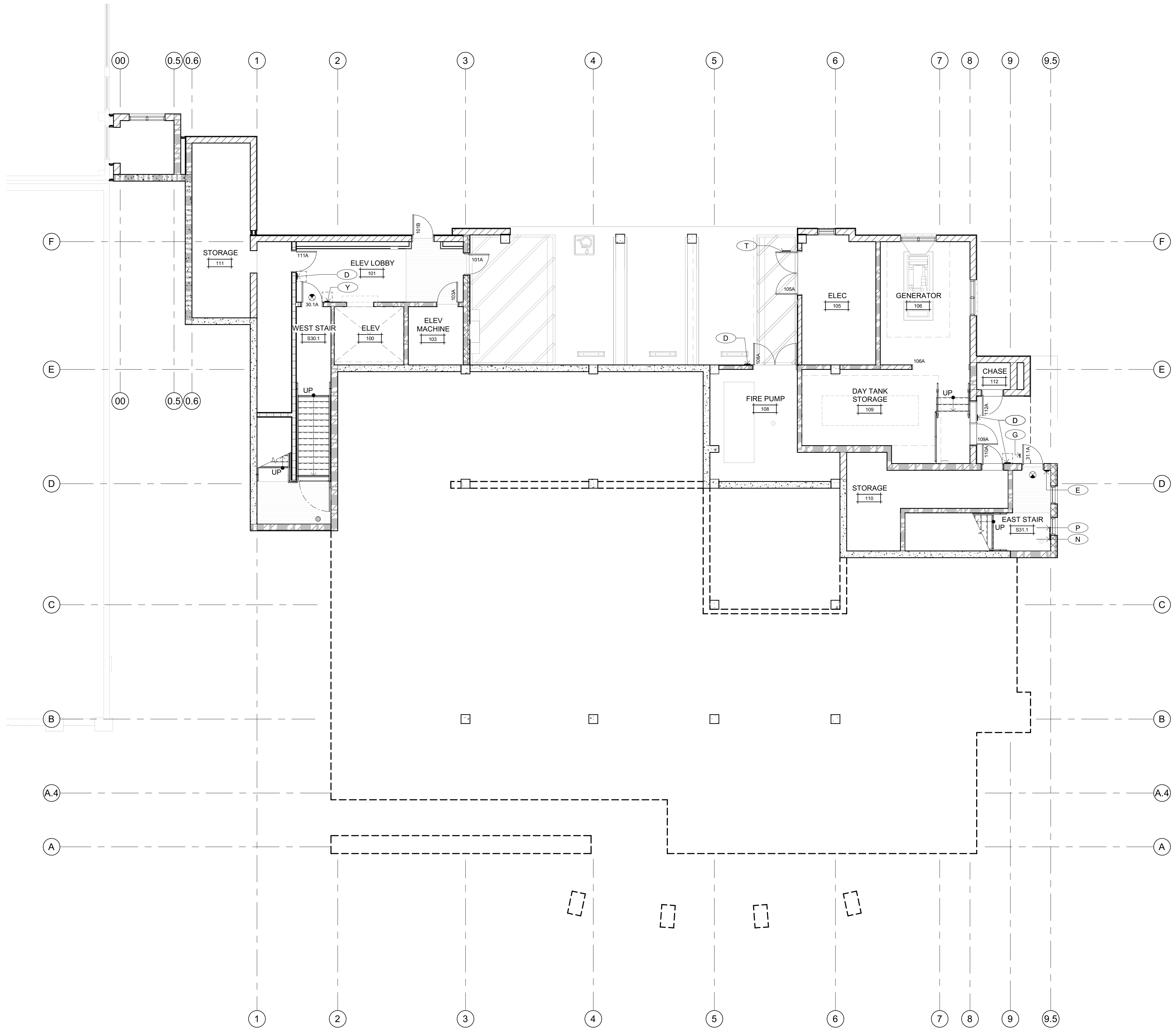
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	AMP/KIP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.

## A254 V4

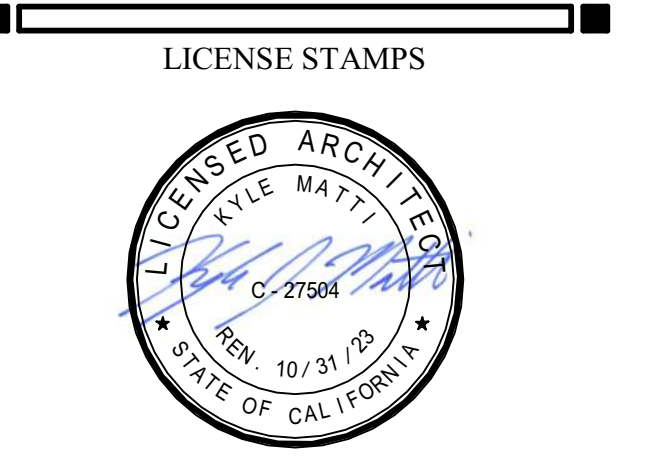
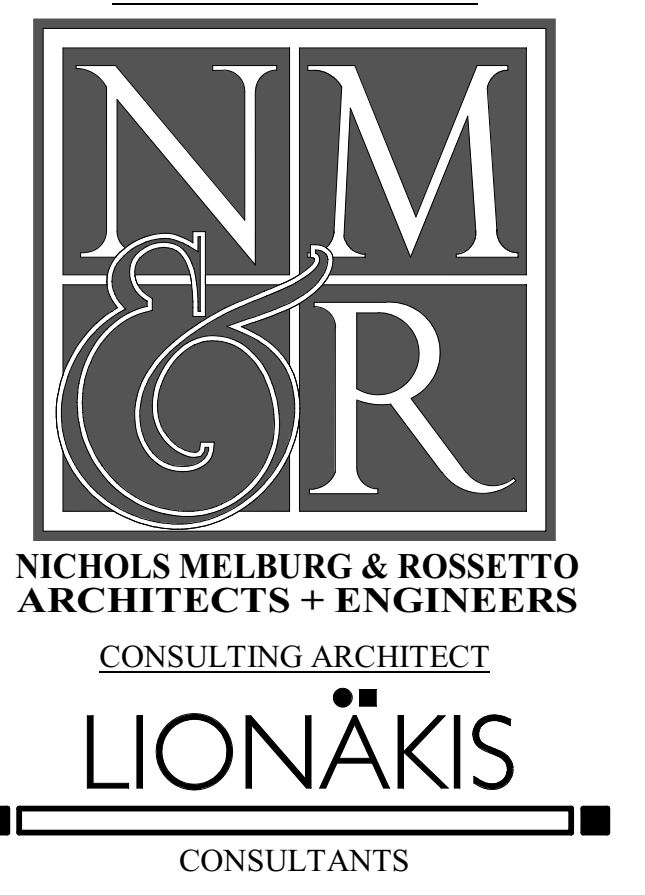


FLOOR PLAN LEVEL 1  
SCALE: 1/8" = 1'-0"

SIGNAGE LEGEND	
<small>NOTE: SEE SHEET A960 FOR SIGN TYPE DETAILS</small>	
(A)	ACCESSIBLE ENTRANCE IDENTIFICATION
(B)	TOILET ROOM DOOR SYMBOL
(C)	TOILET ROOM
(D)	ROOM IDENTIFICATION - SEE DOOR SCHEDULE FOR TEXT
(E)	EXIT
(F)	EXIT ROUTE
(G)	FIRE SPRINKLER RISER
(H)	BLANK BACKER FOR ROOM IDENTIFICATION SIGN
(J)	BLANK BACKER FOR EXIT & EXIT ROUTE SIGNS
(K)	ENTRY DOOR BUILDING IDENTIFICATION VINYL GRAPHICS
(L)	VINYL DOOR SIGNAGE (DETENTION DOORS WITH CLIFFPORT) - SEE DOOR SCHEDULE FOR LOCATIONS AND TEXT
(M)	VINYL DOOR SIGNAGE (FUNCTIONAL DOORS) - SEE DOOR SCHEDULE FOR LOCATIONS AND TEXT
(N)	STAIR IDENTIFICATION
(P)	FLOOR LEVEL IDENTIFICATION AT STAIRWAY
(R)	EXIT STAIR DOWN
(S)	ASSISTIVE LISTENING SYSTEM
(T)	ELECTRICAL / GENERATOR ROOM
(U)	ELEVATOR - IN CASE OF FIRE
(X)	ROOM IDENTIFICATION W/ REMOVABLE PLACARD
(Y)	EXIT STAIR UP
	CEILING OR WALL MOUNTED ILLUMINATED EMERGENCY EGRESS SIGNAGE (HATCH INDICATES DIRECTION OF EGRESS)
	18" SQUARE CLEAR FLOOR SPACE AT TACTILE SIGNS
	DOOR SIGNAGE (SIGN TYPE 'L' OR 'M') SEE DOOR SCHEDULE FOR TEXT AT VINYL LETTERS



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PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

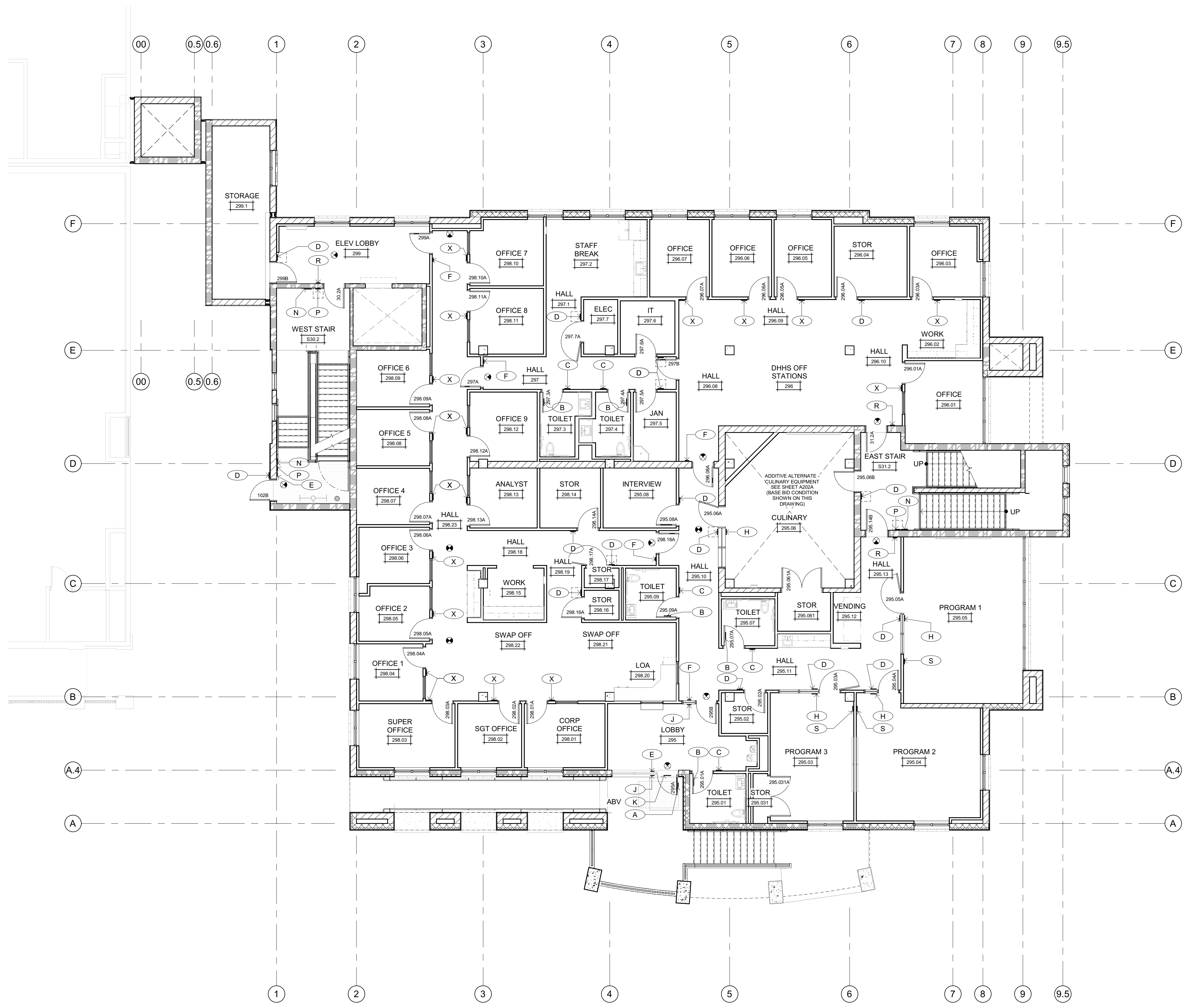
SHEET TITLE  
**SIGNAGE PLAN - LEVEL  
 1**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A271 V4**



FLOOR PLAN LEVEL 2  
SCALE: 1/8" = 1'-0"

SIGNAGE LEGEND	
<small>NOTE, SEE SHEET A960 FOR SIGN TYPE DETAILS</small>	
(A)	ACCESSIBLE ENTRANCE IDENTIFICATION
(B)	TOILET ROOM DOOR SYMBOL
(C)	TOILET ROOM
(D)	ROOM IDENTIFICATION - SEE DOOR SCHEDULE FOR TEXT
(E)	EXIT
(F)	EXIT ROUTE
(G)	FIRE SPRINKLER RISER
(H)	BLANK BACKER FOR ROOM IDENTIFICATION SIGN
(J)	BLANK BACKER FOR EXIT & EXIT ROUTE SIGNS
(K)	ENTRY DOOR BUILDING IDENTIFICATION VINYL GRAPHICS
(L)	VINYL DOOR SIGNAGE (DETENTION DOORS WITH CLIFFPORT) - SEE DOOR SCHEDULE FOR LOCATIONS AND TEXT
(M)	VINYL DOOR SIGNAGE (FUNCTIONAL DOORS) - SEE DOOR SCHEDULE FOR LOCATIONS AND TEXT
(N)	STAIR IDENTIFICATION
(P)	FLOOR LEVEL IDENTIFICATION AT STAIRWAY
(R)	EXIT STAIR DOWN
(S)	ASSISTIVE LISTENING SYSTEM
(T)	ELECTRICAL / GENERATOR ROOM
(U)	ELEVATOR - IN CASE OF FIRE
(X)	ROOM IDENTIFICATION W/ REMOVABLE PLACARD
(Y)	EXIT STAIR UP
	CEILING OR WALL MOUNTED ILLUMINATED EMERGENCY EGRESS SIGNAGE (HATCH INDICATES DIRECTION OF EGRESS)
	18" SQUARE CLEAR FLOOR SPACE AT TACTILE SIGNS
	DOOR SIGNAGE (SIGN TYPE 'L' OR 'M') SEE DOOR SCHEDULE FOR TEXT AT VINYL LETTERS

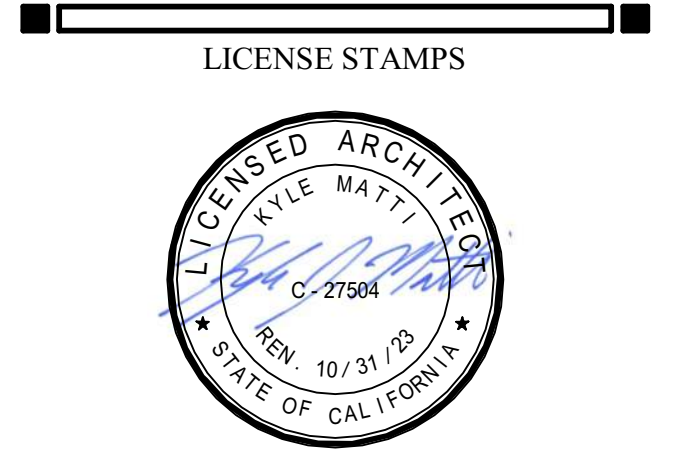


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**ARCHITECT OF RECORD**

**NICHOLS MELBURG & ROSSETTO**  
**ARCHITECTS + ENGINEERS**  
 CONSULTING ARCHITECT

**LIONAKIS**  
 CONSULTANTS



PROJECT NAME

**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE

**SIGNAGE PLAN - LEVEL  
 2**

DRAWING STATUS

**WORKING DRAWINGS**

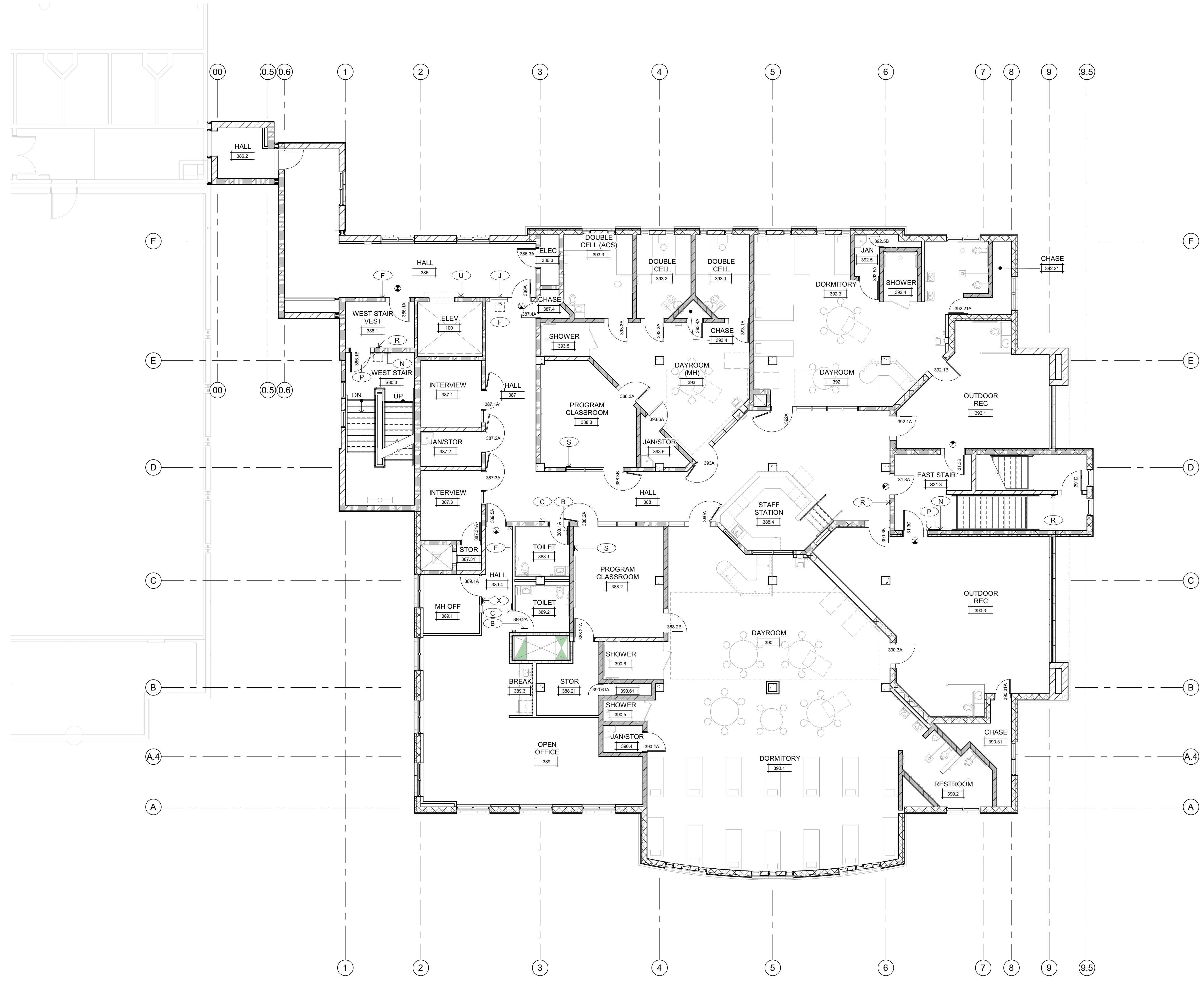
REVISIONS

Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.

**A272 V4**

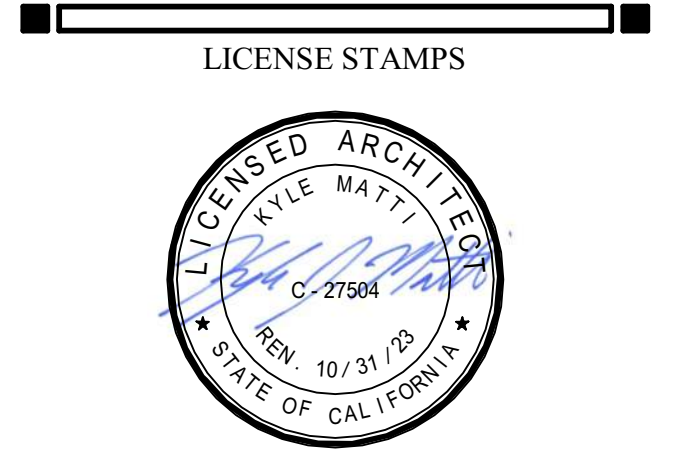


SIGNAGE PLAN LEVEL 3  
SCALE: 1/8" = 1'-0"

SIGNAGE LEGEND		
<small>NOTE: SEE SHEET A960 FOR SIGN TYPE DETAILS</small>		
(A)	ACCESSIBLE ENTRANCE IDENTIFICATION	
(B)	TOILET ROOM DOOR SYMBOL	
(C)	TOILET ROOM	
(D)	ROOM IDENTIFICATION - SEE DOOR SCHEDULE FOR TEXT	
(E)	EXIT	
(F)	EXIT ROUTE	
(G)	FIRE SPRINKLER RISER	
(H)	BLANK BACKER FOR ROOM IDENTIFICATION SIGN	
(J)	BLANK BACKER FOR EXIT & EXIT ROUTE SIGNS	
(K)	ENTRY DOOR BUILDING IDENTIFICATION VINYL GRAPHICS	
(L)	VINYL DOOR SIGNAGE (DETENTION DOORS WITH CLIFFPORT) - SEE DOOR SCHEDULE FOR LOCATIONS AND TEXT	
(M)	VINYL DOOR SIGNAGE (FUNCTIONAL DOORS) - SEE DOOR SCHEDULE FOR LOCATIONS AND TEXT	
(N)	STAIR IDENTIFICATION	
(P)	FLOOR LEVEL IDENTIFICATION AT STAIRWAY	
(R)	EXIT STAIR DOWN	
(S)	ASSISTIVE LISTENING SYSTEM	
(T)	ELECTRICAL / GENERATOR ROOM	
(U)	ELEVATOR - IN CASE OF FIRE	
(X)	ROOM IDENTIFICATION W/ REMOVABLE PLACARD	
(Y)	EXIT STAIR UP	
	CEILING OR WALL MOUNTED ILLUMINATED EMERGENCY EGRESS SIGNAGE (HATCH INDICATES DIRECTION OF EGRESS)	
	18" SQUARE CLEAR FLOOR SPACE AT TACTILE SIGNS	
	DOOR SIGNAGE (SIGN TYPE 'L' OR 'M') SEE DOOR SCHEDULE FOR TEXT AT VINYL LETTERS	



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PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

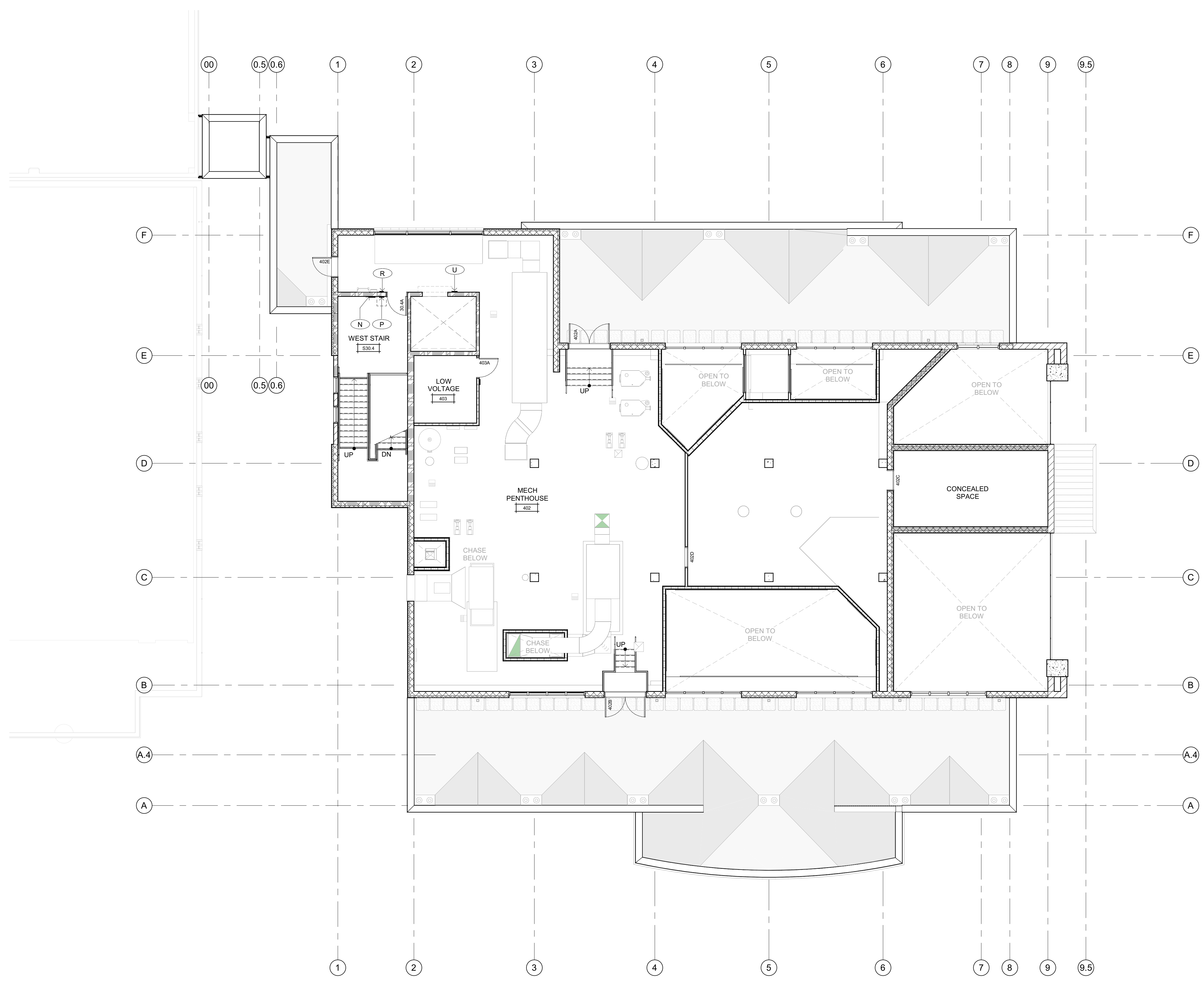
SHEET TITLE  
**SIGNAGE PLAN - LEVEL  
 3**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A273 V4**

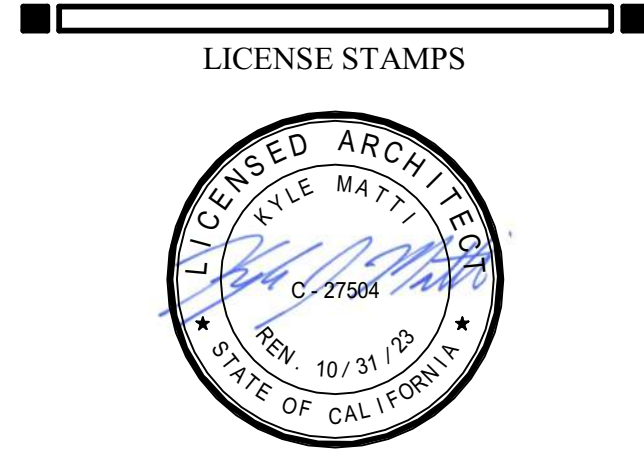


SIGNAGE PLAN LEVEL 4 PH  
SCALE: 1/8" = 1'-0"

SIGNAGE LEGEND	
<small>NOTE: SEE SHEET A960 FOR SIGN TYPE DETAILS</small>	
(A)	ACCESSIBLE ENTRANCE IDENTIFICATION
(B)	TOILET ROOM DOOR SYMBOL
(C)	TOILET ROOM
(D)	ROOM IDENTIFICATION - SEE DOOR SCHEDULE FOR TEXT
(E)	EXIT
(F)	EXIT ROUTE
(G)	FIRE SPRINKLER RISER
(H)	BLANK BACKER FOR ROOM IDENTIFICATION SIGN
(J)	BLANK BACKER FOR EXIT & EXIT ROUTE SIGNS
(K)	ENTRY DOOR BUILDING IDENTIFICATION VINYL GRAPHICS
(L)	VINYL DOOR SIGNAGE (DETENTION DOORS WITH CLIFFPORT) - SEE DOOR SCHEDULE FOR LOCATIONS AND TEXT
(M)	VINYL DOOR SIGNAGE (FUNCTIONAL DOORS) - SEE DOOR SCHEDULE FOR LOCATIONS AND TEXT
(N)	STAIR IDENTIFICATION
(P)	FLOOR LEVEL IDENTIFICATION AT STAIRWAY
(R)	EXIT STAIR DOWN
(S)	ASSISTIVE LISTENING SYSTEM
(T)	ELECTRICAL / GENERATOR ROOM
(U)	ELEVATOR - IN CASE OF FIRE
(X)	ROOM IDENTIFICATION W/ REMOVABLE PLACARD
(Y)	EXIT STAIR UP
	CEILING OR WALL MOUNTED ILLUMINATED EMERGENCY EGRESS SIGNAGE (HATCH INDICATES DIRECTION OF EGRESS)
	18" SQUARE CLEAR FLOOR SPACE AT TACTILE SIGNS
	DOOR SIGNAGE (SIGN TYPE 'L' OR 'M') SEE DOOR SCHEDULE FOR TEXT AT VINYL LETTERS



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 ARCHITECT OF RECORD  
**NM & R**  
 NICHOLS MELBURG & ROSSETTO  
 ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT  
**LIONAKIS**  
 CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

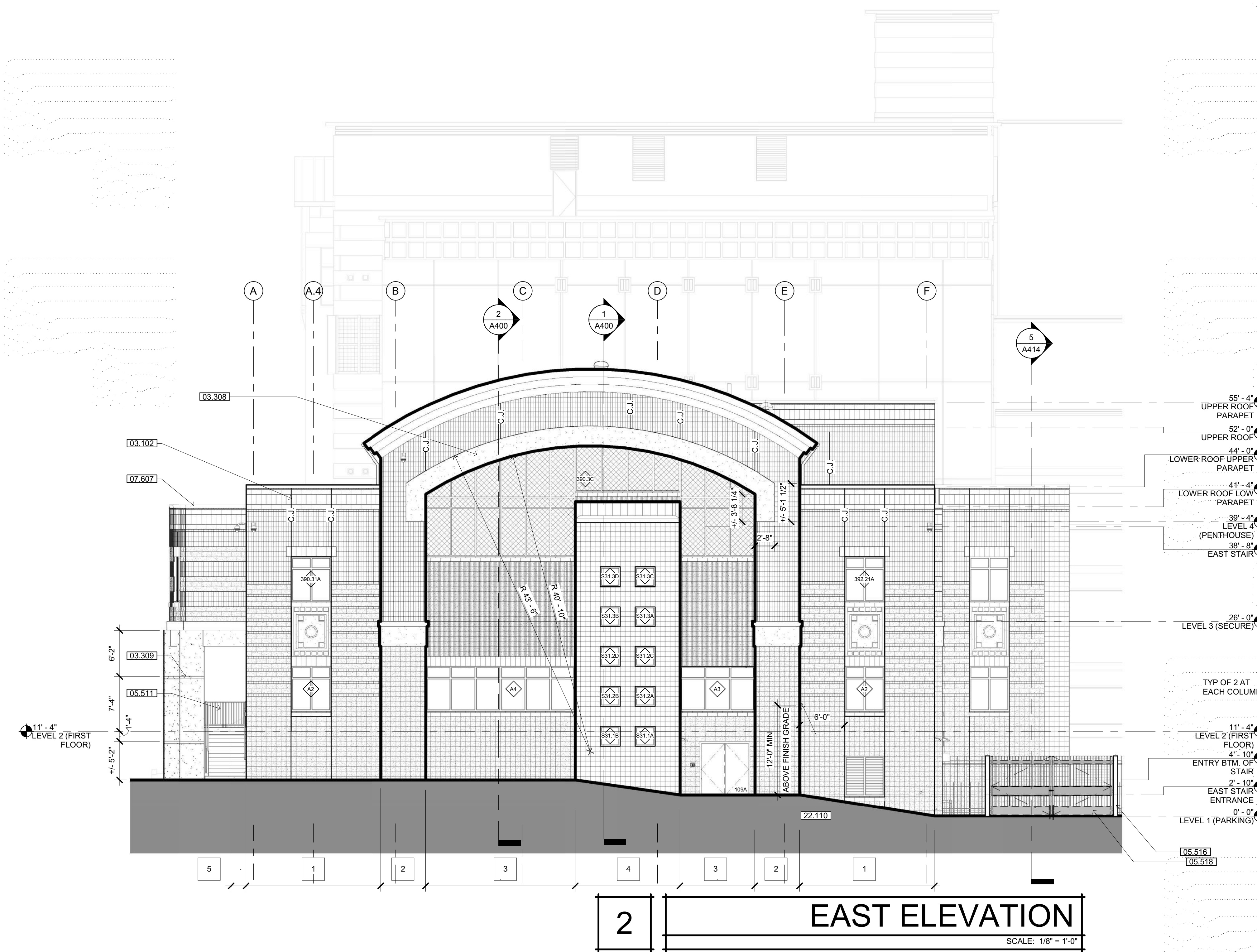
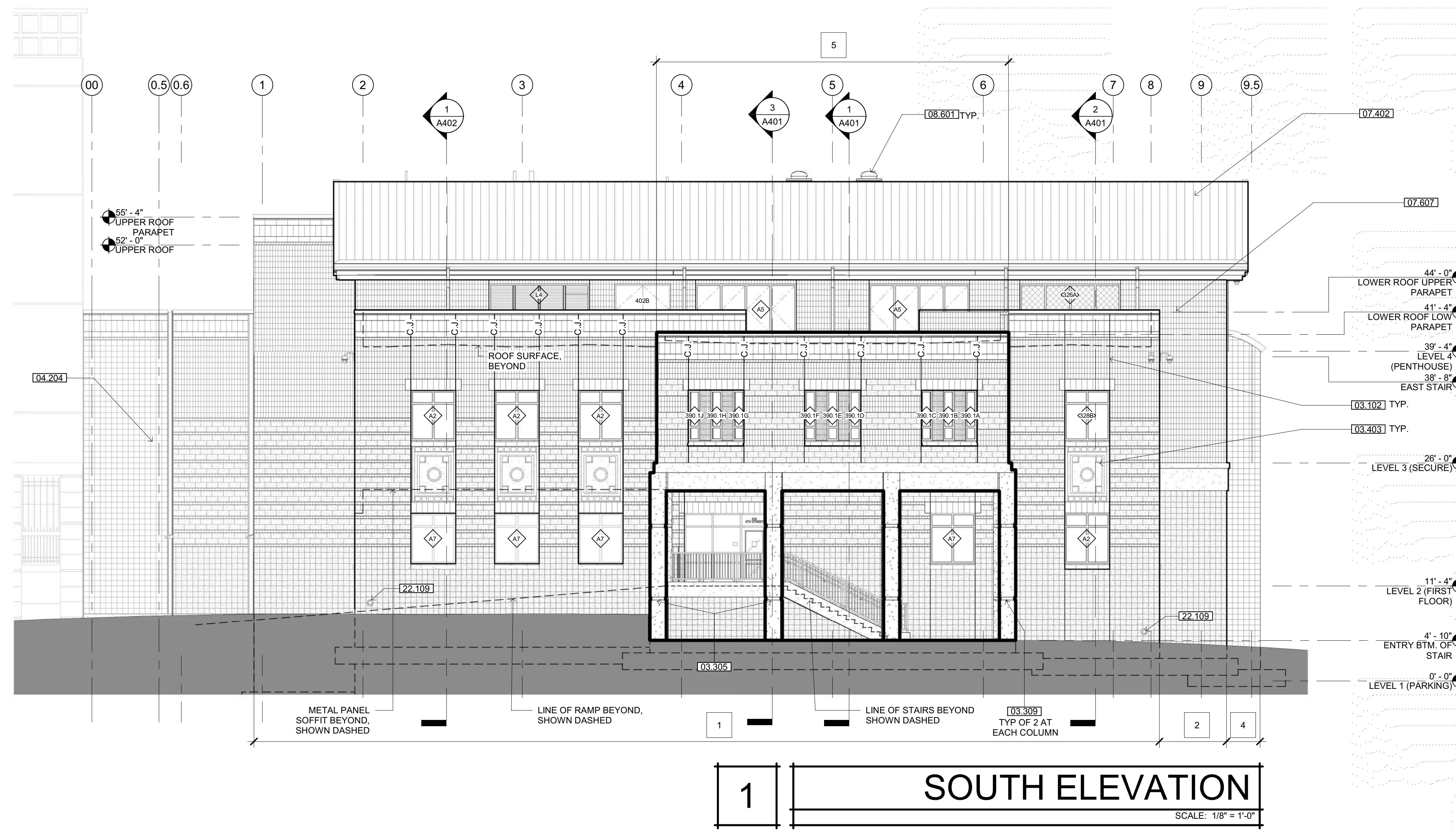
SHEET TITLE  
**SIGNAGE PLAN - LEVEL  
 4**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A274 V4**

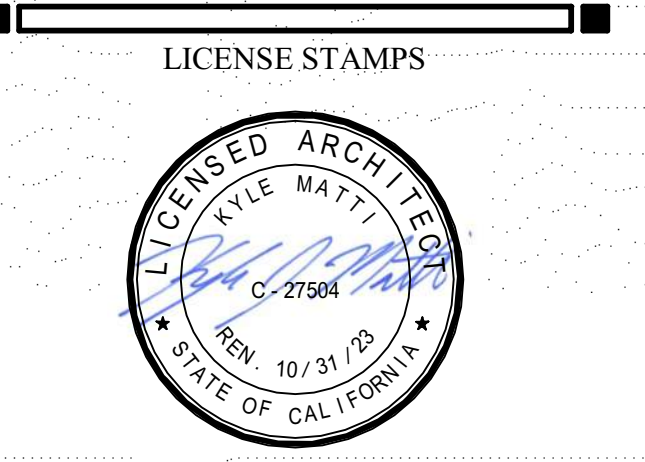
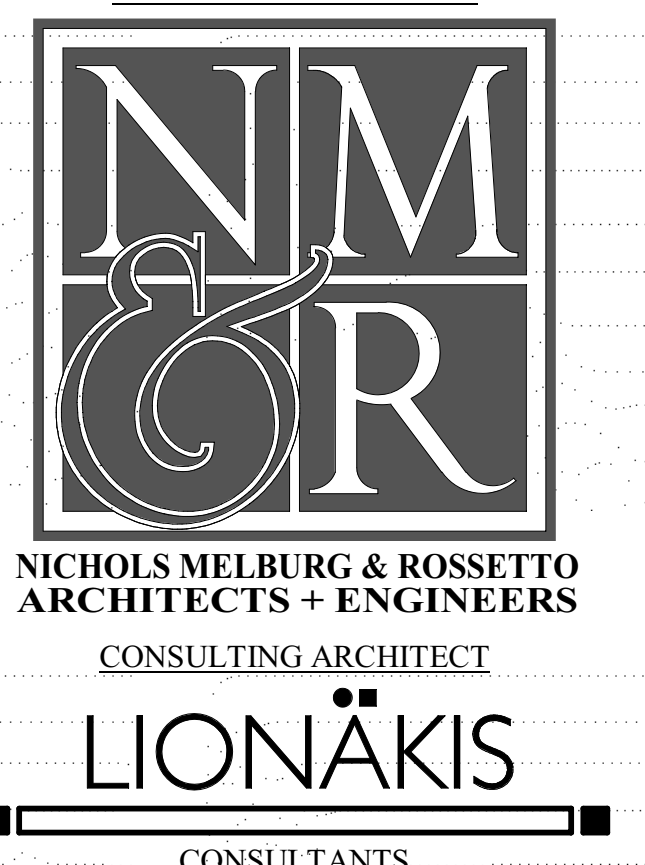


**SHEET NOTES**

- 03.102 CONTROL JOINT
- 03.305 CONCRETE COLUMN
- 03.308 CONCRETE LINTEL - COLOR C
- 03.309 CONCRETE COLUMN REVEAL - SEE DETAIL 7/A820
- 03.403 PRECAST PANEL - COLOR F
- 04.204 CMU LINTEL
- 05.511 GUARDRAIL - SEE DETAIL 16/A061
- 05.516 ORNAMENTAL FENCE
- 05.518 ORNAMENTAL FENCE - VEHICLE GATE - SEE DETAIL 11/A060
- 07.402 PREFINISHED METAL ROOFING PANEL - COLOR E
- 07.607 PARAPET CAP FLASHING - COLOR E
- 08.601 TUBULAR SKYLIGHT
- 22.109 RAINWATER LEADER NOZZLE FOR ROOF OVERFLOW
- 22.110 2" VENT FROM DAY TANK. MINIMUM 12" ABOVE FINISH GRADE & MINIMUM 5' FROM OPENINGS.



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**EXTERIOR ELEVATIONS**

**ELEVATIONS LEGEND**

- A REFER TO SHEET A304 FOR CMU BLOCK TYPES, COLORS AND COURSING PATTERNS.
- INTEGRAL COLORED & SEALED CONCRETE - PROVIDE A CONSISTENT COLOR & TEXTURE ON ALL SURFACES
- METAL ROOFING

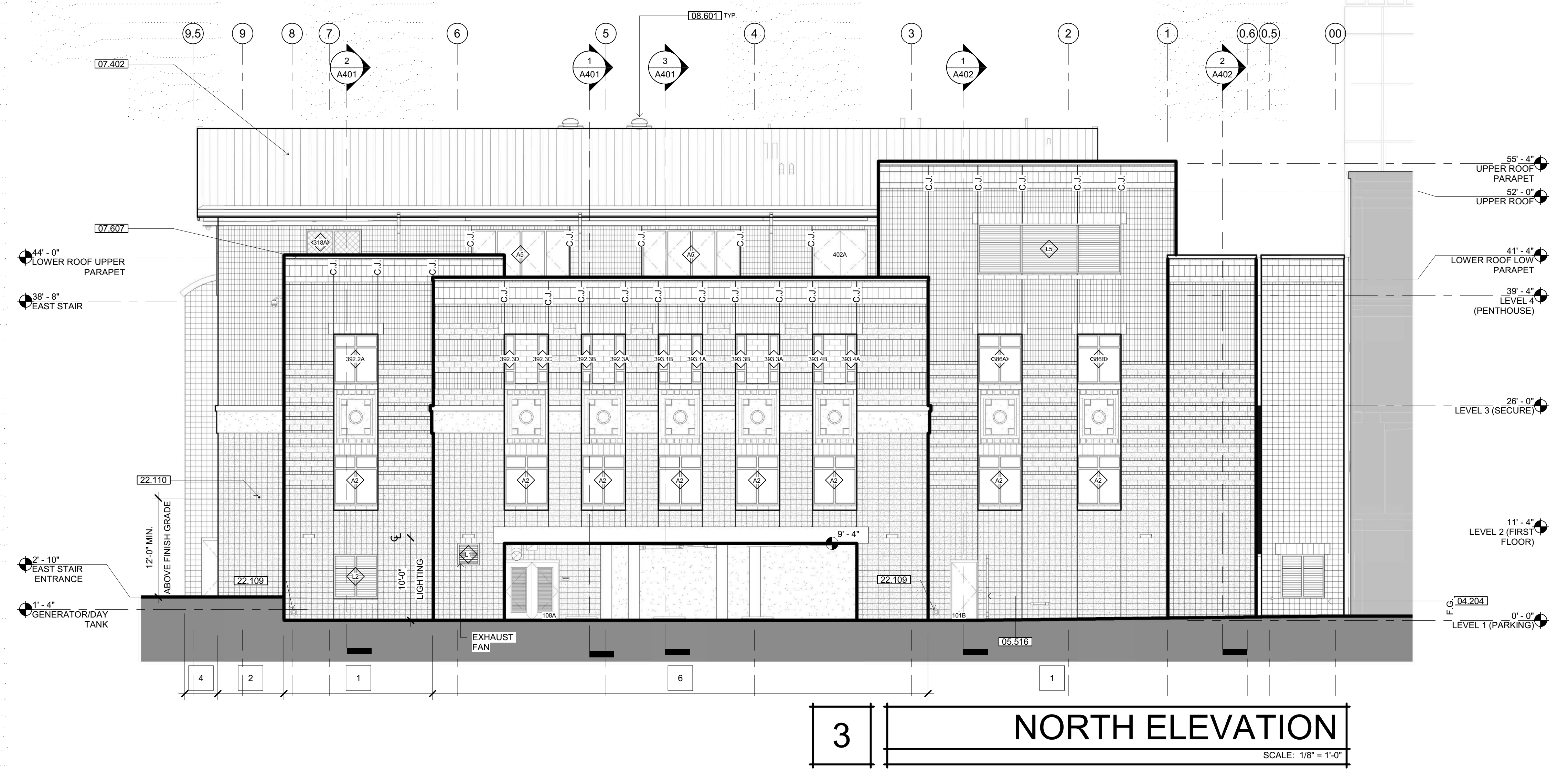
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

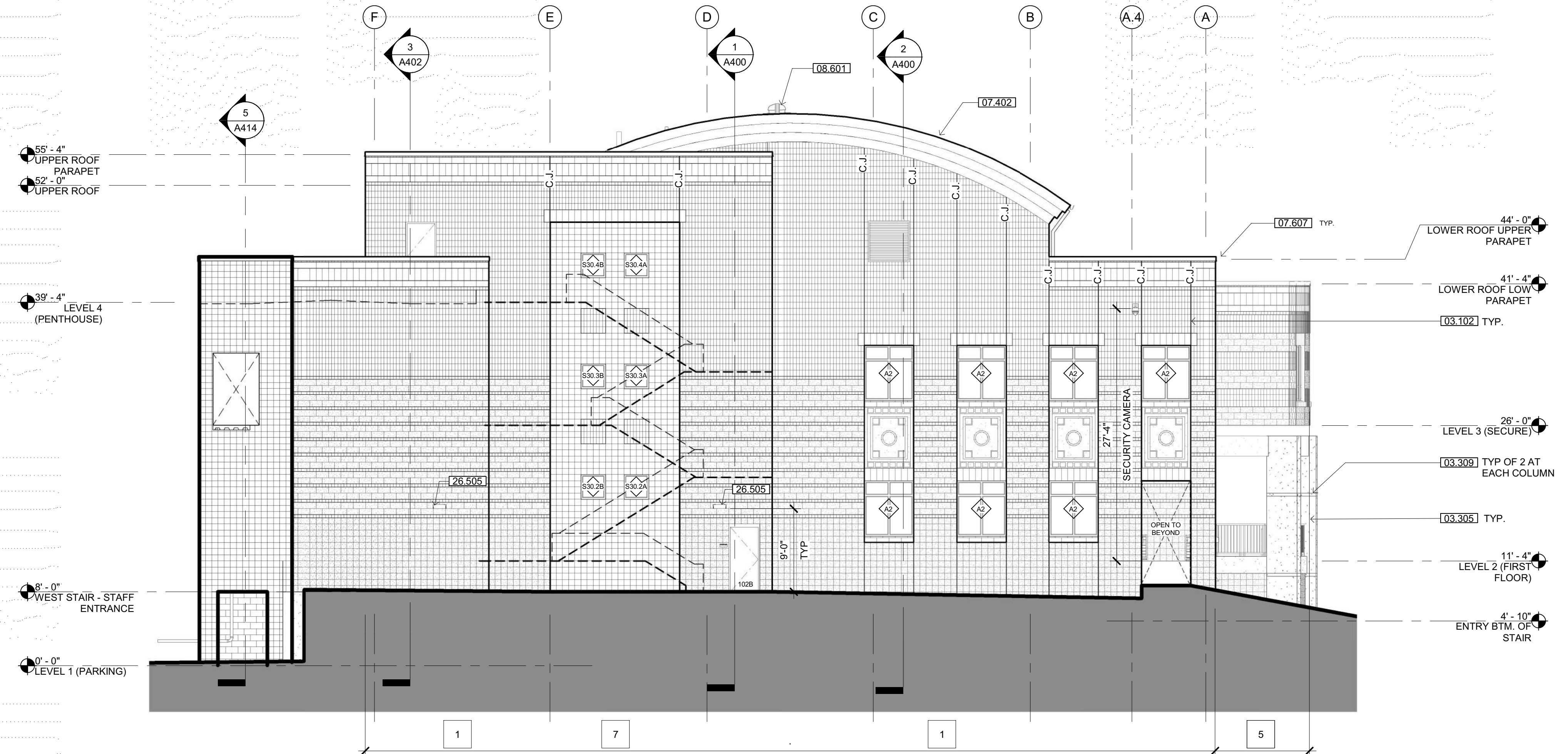
Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A300 V4**



**3** NORTH ELEVATION  
SCALE: 1/8" = 1'-0"



**4** WEST ELEVATION  
SCALE: 1/8" = 1'-0"

**SHEET NOTES**

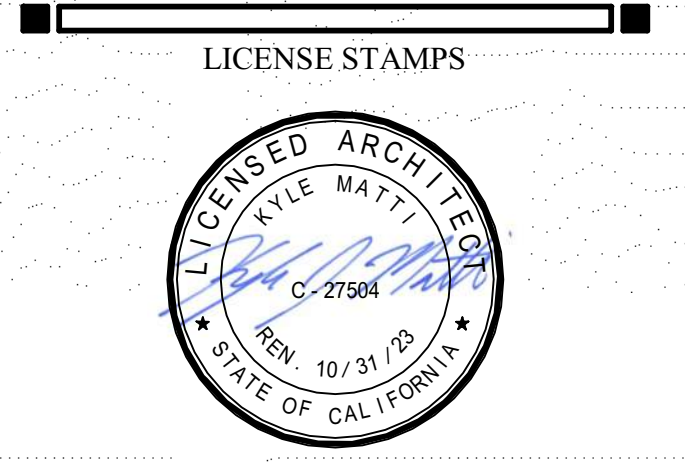
- 03.102 CONTROL JOINT
- 03.305 CONCRETE COLUMN
- 03.309 CONCRETE COLUMN REVEAL - SEE DETAIL 7/A820
- 04.204 CMU UNTEL
- 05.516 ORNAMENTAL FENCE
- 07.402 PREFINISHED METAL ROOFING PANEL: COLOR E
- 07.607 PARAPET CAP FLASHING: COLOR E
- 08.601 TUBULAR SKYLIGHT
- 22.109 RAINWATER LEADER NOZZLE FOR ROOF OVERFLOW
- 22.110 2" VENT FROM DAY TANK: MINIMUM 12' ABOVE FINISH GRADE & MINIMUM 5' FROM OPENINGS
- 26.505 WALL MOUNTED LIGHT FIXTURE - SMOOTH FACE BLOCK WHERE MOUNT OCCURS



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**NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS**  
CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**EXTERIOR ELEVATIONS**

**ELEVATIONS LEGEND**

- REFER TO SHEET A304 FOR CMU BLOCK TYPES, COLORS AND COURSING PATTERNS.
- INTEGRAL COLORED & SEALED CONCRETE - PROVIDE A CONSISTENT COLOR & TEXTURE ON ALL SURFACES
- METAL ROOFING

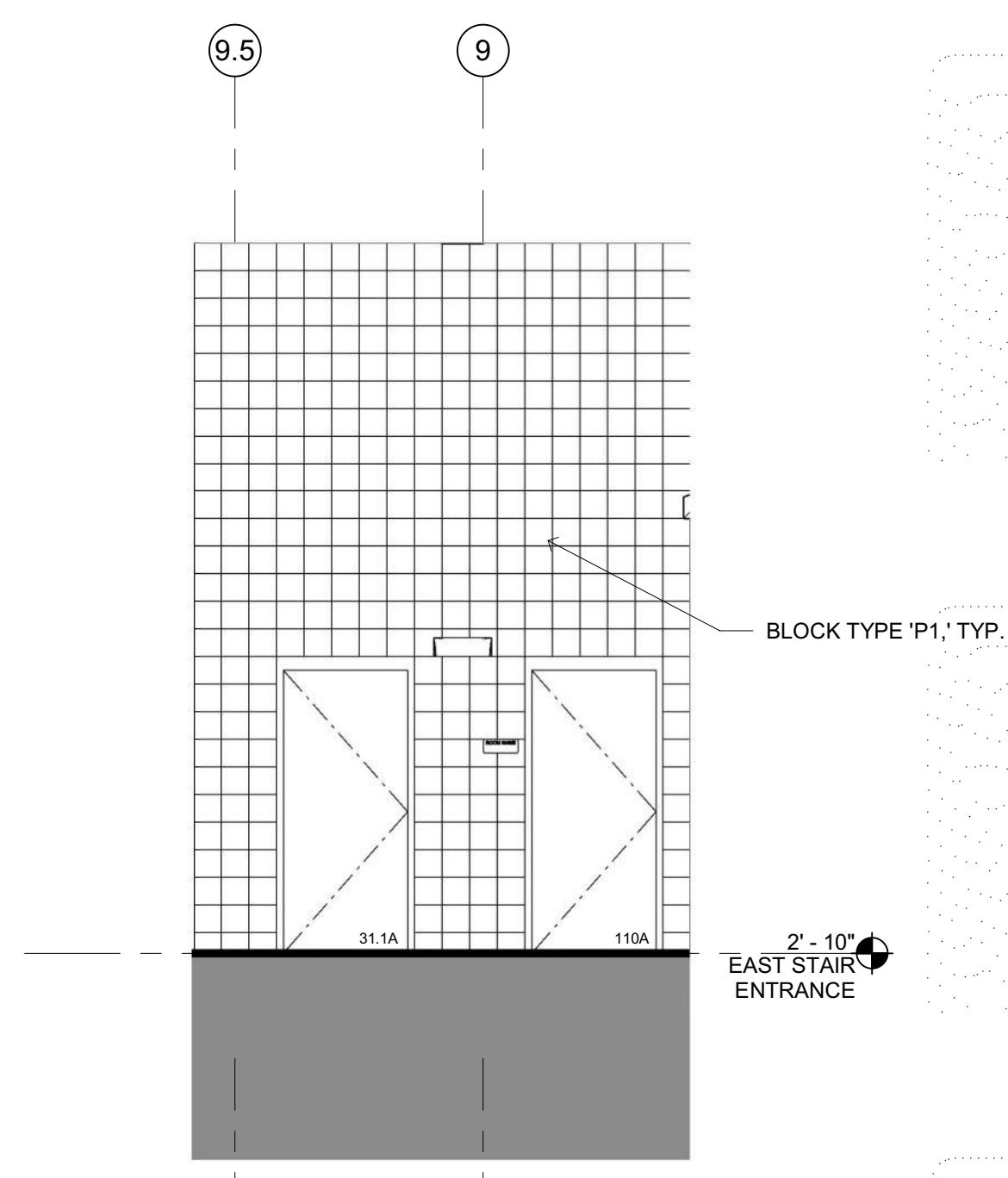
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

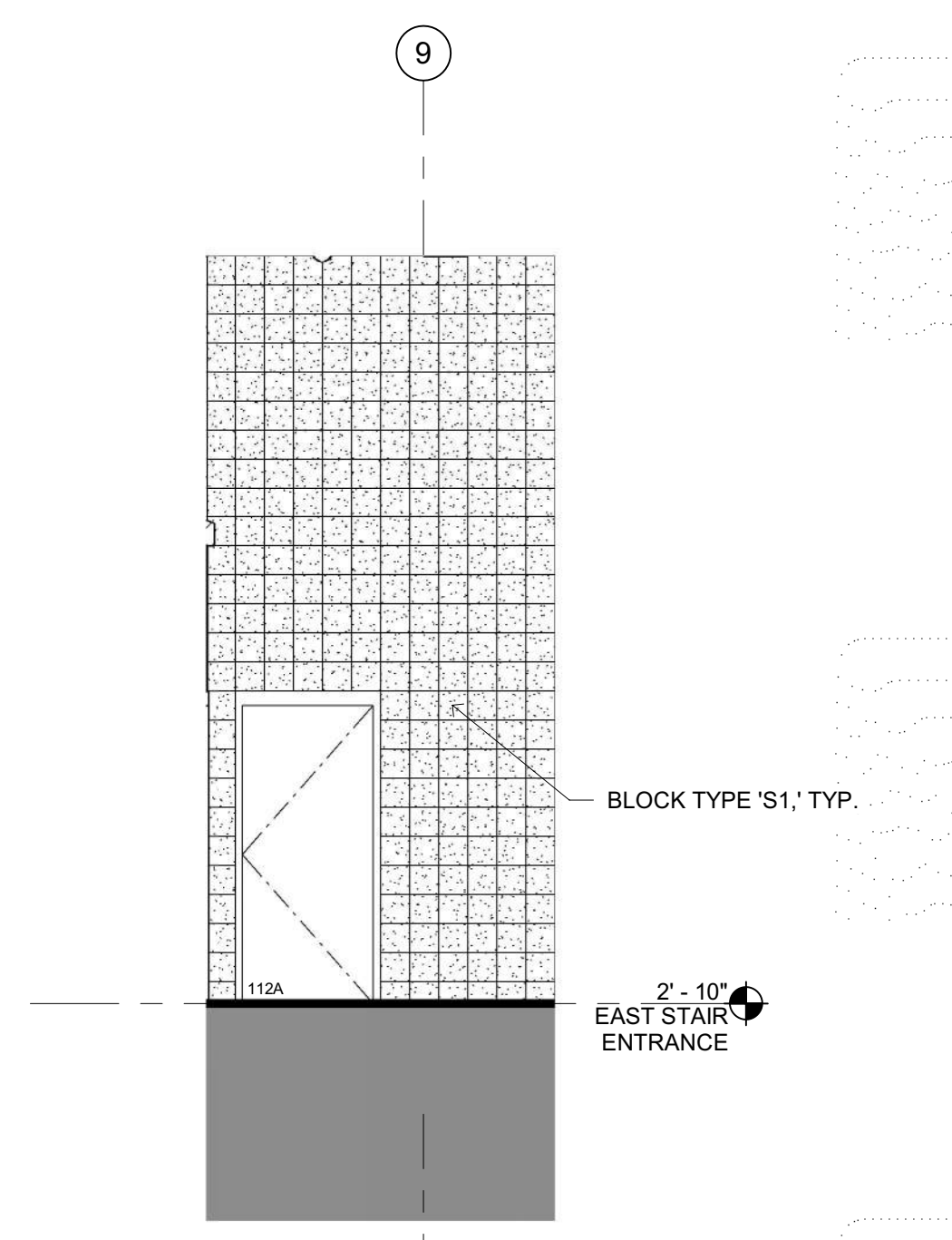
Drawn By	AMP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A301 V4**

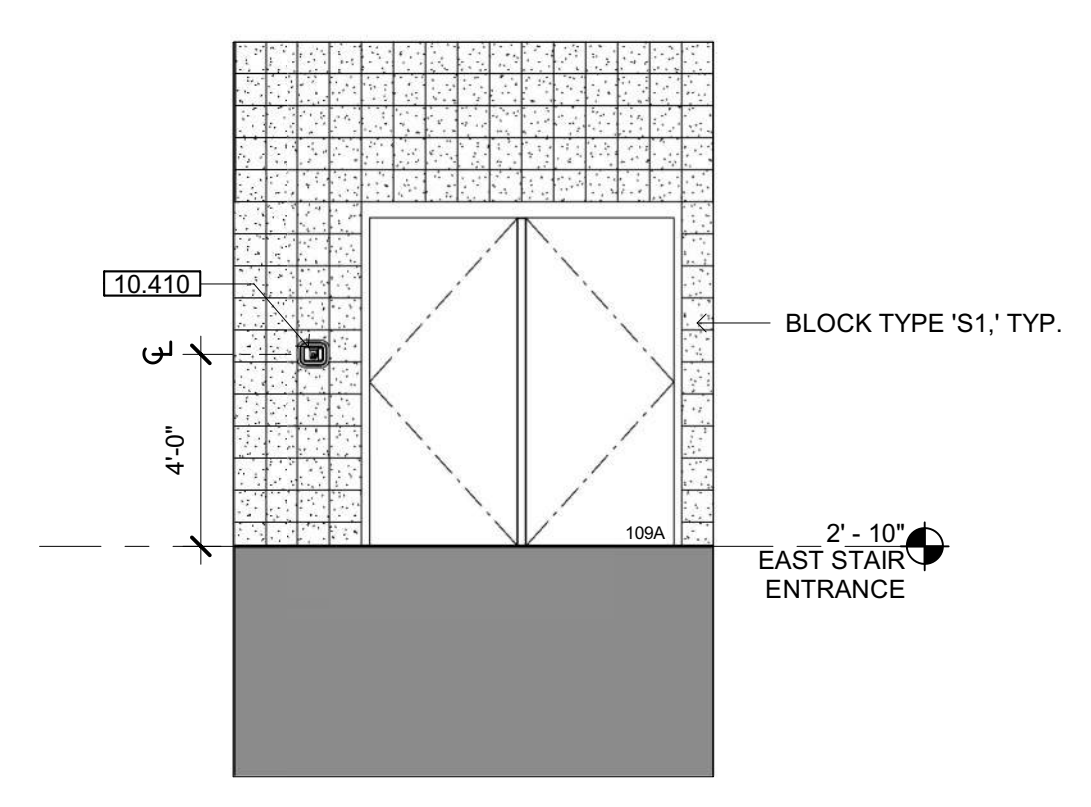




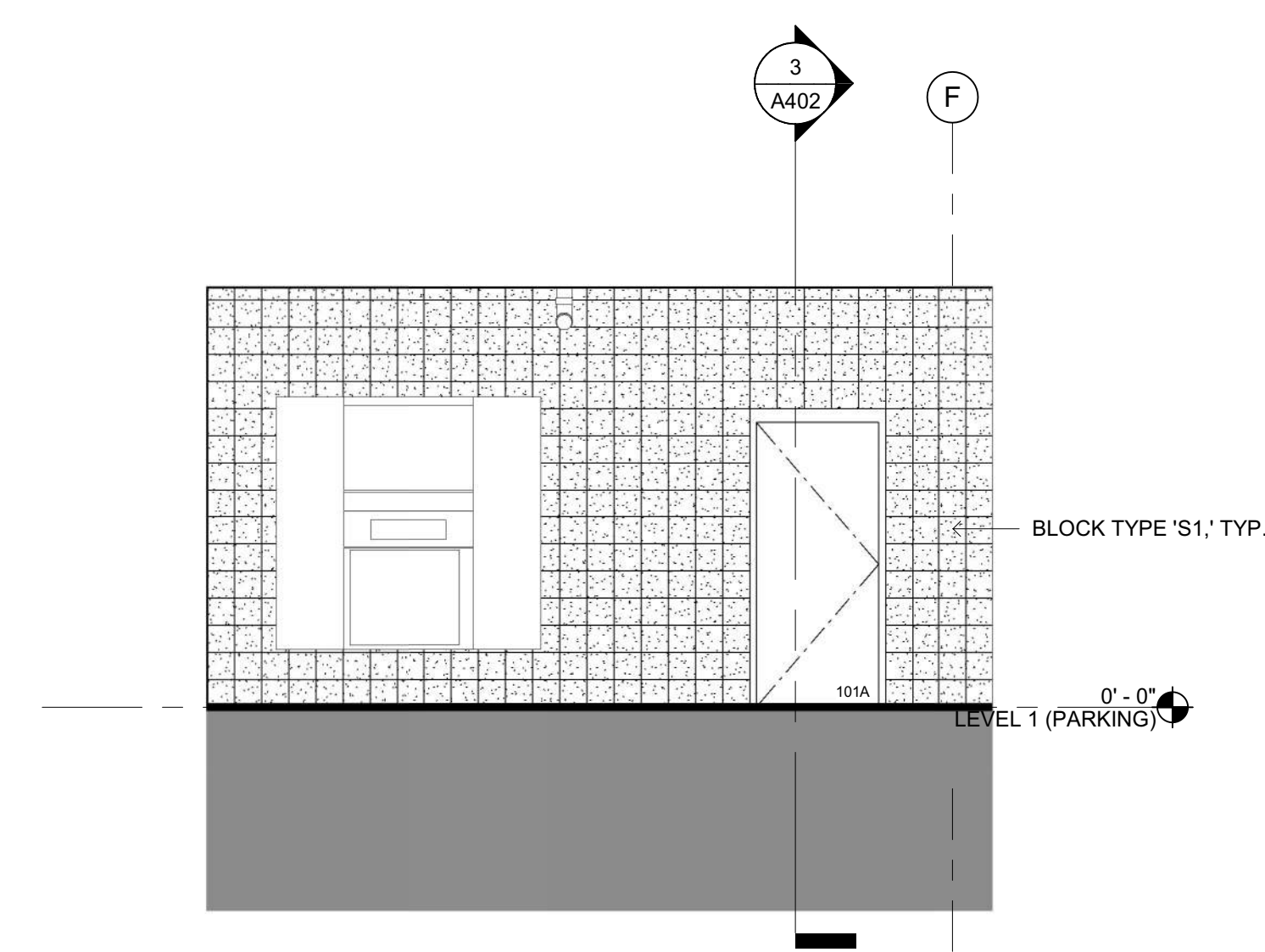
1 K STREET ENTR. NORTH  
SCALE: 1/4" = 1'-0"



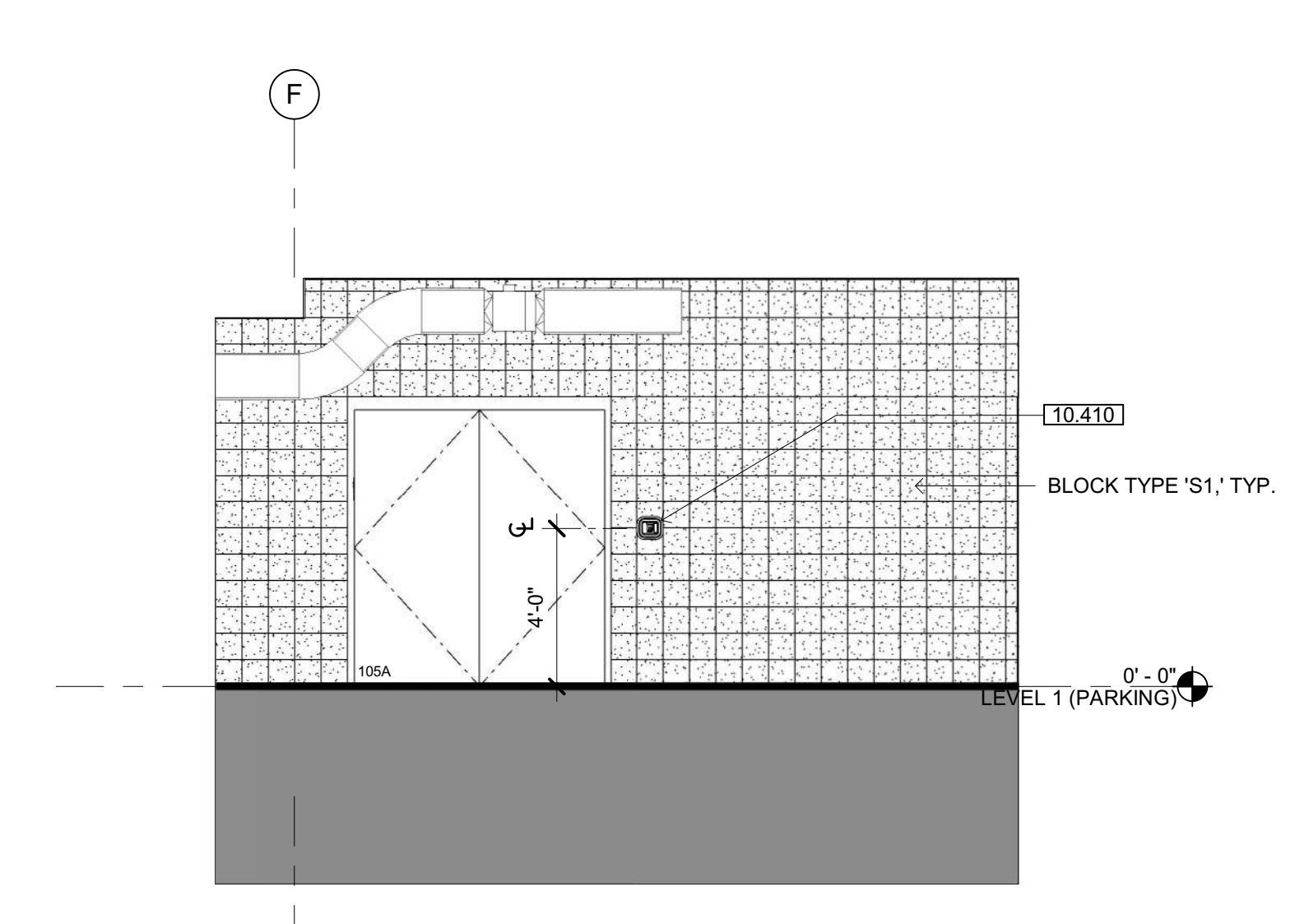
2 K STREET ENTR. SOUTH  
SCALE: 1/4" = 1'-0"



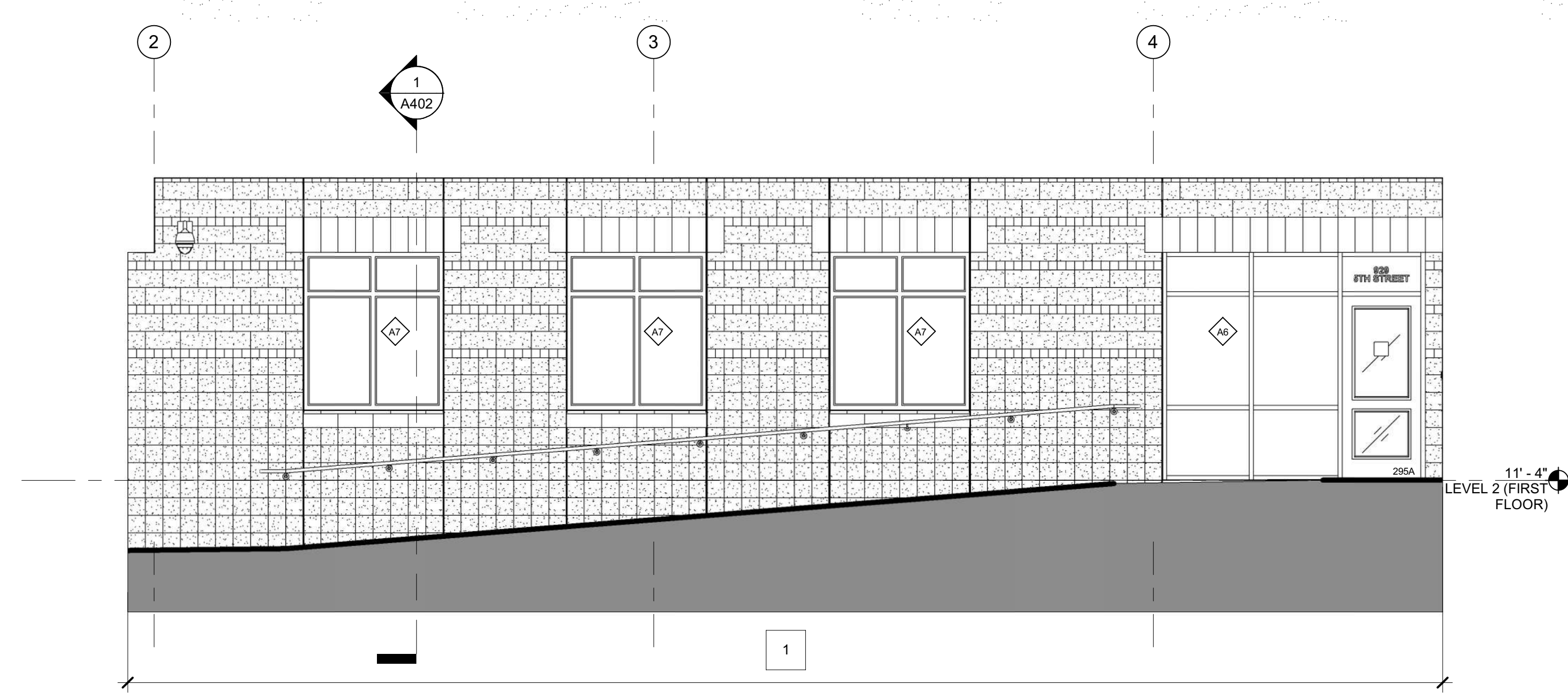
3 K STREET ENTR. EAST  
SCALE: 1/4" = 1'-0"



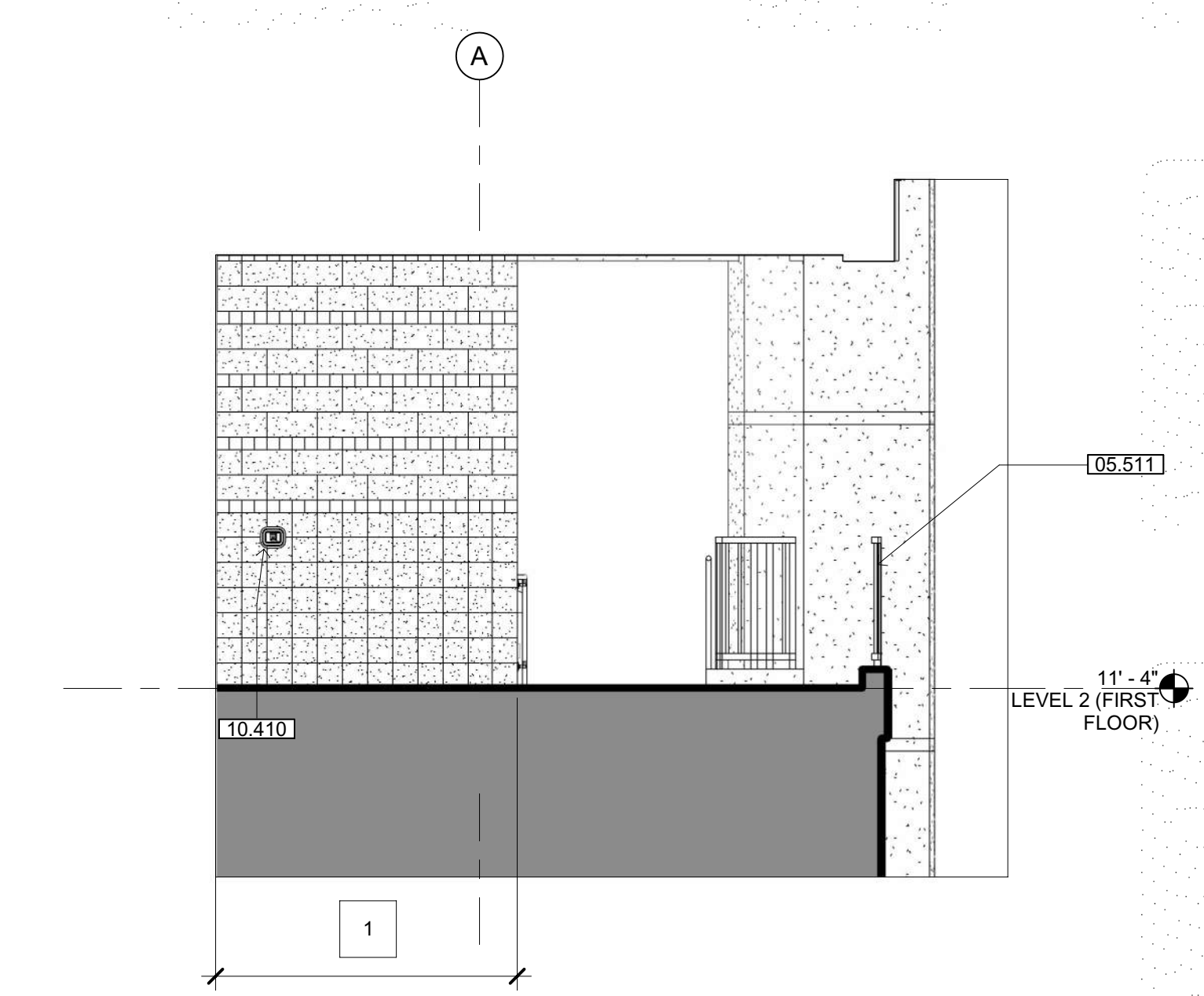
4 PARKING EAST  
SCALE: 1/4" = 1'-0"



5 PARKING WEST  
SCALE: 1/4" = 1'-0"



6 MAIN ENTRANCE SOUTH  
SCALE: 1/4" = 1'-0"




7 MAIN ENTRANCE WEST  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

05.511 GUARDRAIL - SEE DETAIL 16/A061  
10.410 WALL MOUNTED KNOX BOX - RECESSED


OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY



Approval of these plans by the Office of the State Fire Marshal authorizes or approves the erection of construction from applicable regulations. This approval is subject to field inspection. The set of approved plans shall be available on the project site at all times.

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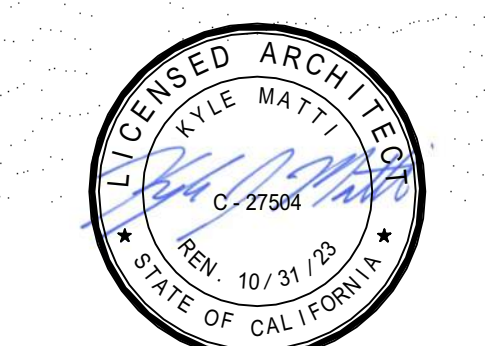
ARCHITECT OF RECORD



NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT

LIONAKIS  
CONSULTANTS

LICENSE STAMPS



PROJECT NAME

**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

EXTERIOR ELEVATIONS

DRAWING STATUS

WORKING DRAWINGS

REVISIONS

Delta	Description	Date

DRAWN BY: ON/AMP  
DATE ISSUED: 09.19.2022  
SCALE: As indicated  
PROJECT NO.: 16-6421.00

SHEET No.  
**A302 V4**

Plot Date: 9/20/2022 1:39:53 PM  
 Name: 16-6421.00-Humboldt Co. Corrections Re-Entry Resource Ctr A\_MCR-RE-Entry.rvt

**SHEET NOTES**

- 07.404 PIPE VENT THROUGH METAL ROOF SYSTEM - SEE DETAIL 6/A811
- 07.602 PRE-FINISHED METAL GUTTER
- 07.608 CONTINUOUS REGLET AND ROOFING TERMINATION BELOW DOOR AND WINDOW SILL
- 07.700 ROOF HATCH
- 08.601 TUBULAR SKYLIGHT
- 22.101 RAINWATER LEADER



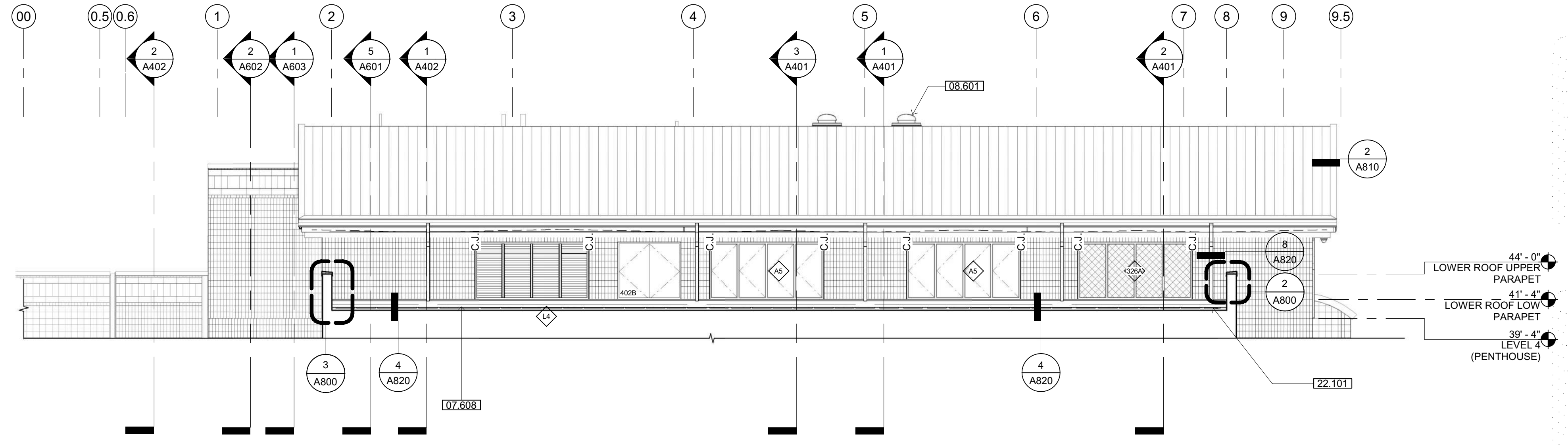
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ARCHITECT OF RECORD

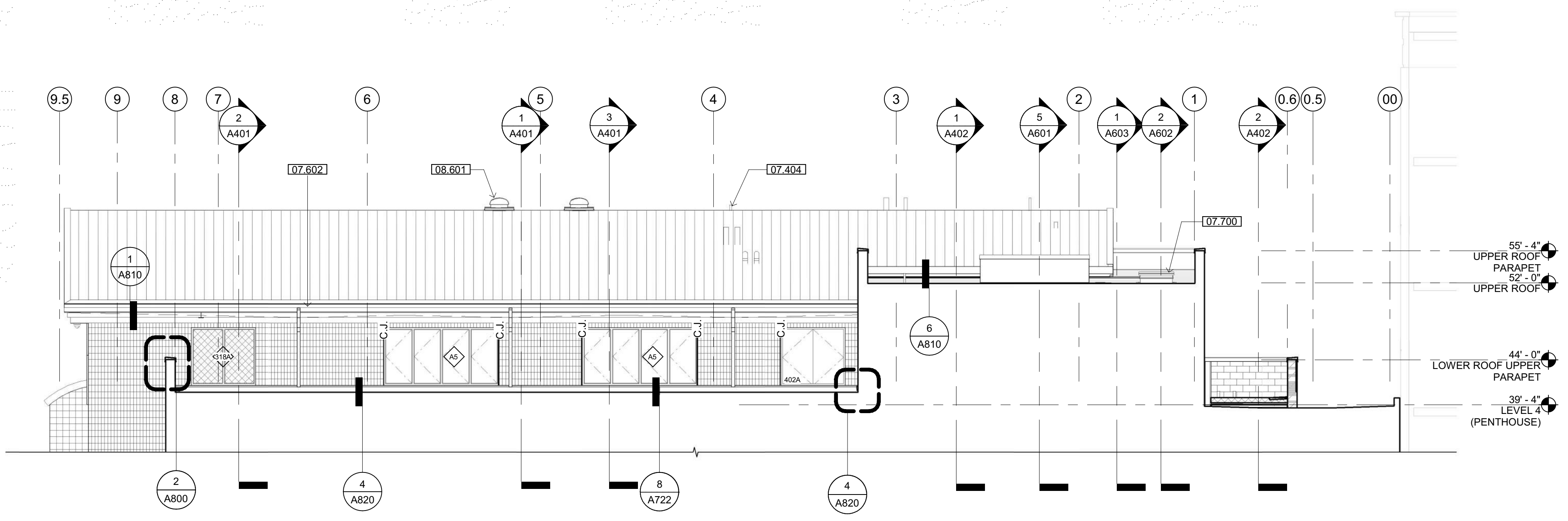


**NICHOLS MELBURG & ROSSETTO**  
 ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT

**LIONAKIS**  
 CONSULTANTS



**1 SOUTH ELEVATION AT ROOF LEVEL**  
 SCALE: 1/8" = 1'-0"

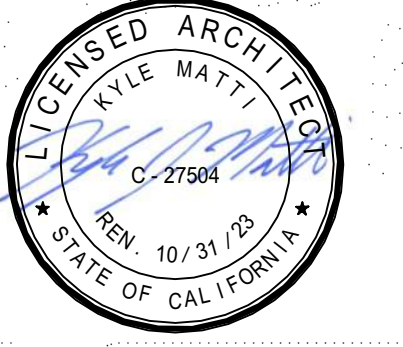


**2 NORTH ELEVATION AT ROOF LEVEL**  
 SCALE: 1/8" = 1'-0"

**ELEVATIONS LEGEND**

- A REFER TO SHEET A304 FOR CMU BLOCK TYPES, COLORS AND COURSING PATTERNS.
- INTEGRAL COLORED & SEALED CONCRETE - PROVIDE A CONSISTENT COLOR & TEXTURE ON ALL SURFACES
- METAL ROOFING

LICENSE STAMPS



PROJECT NAME

**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE

EXTERIOR ELEVATIONS

DRAWING STATUS

WORKING DRAWINGS

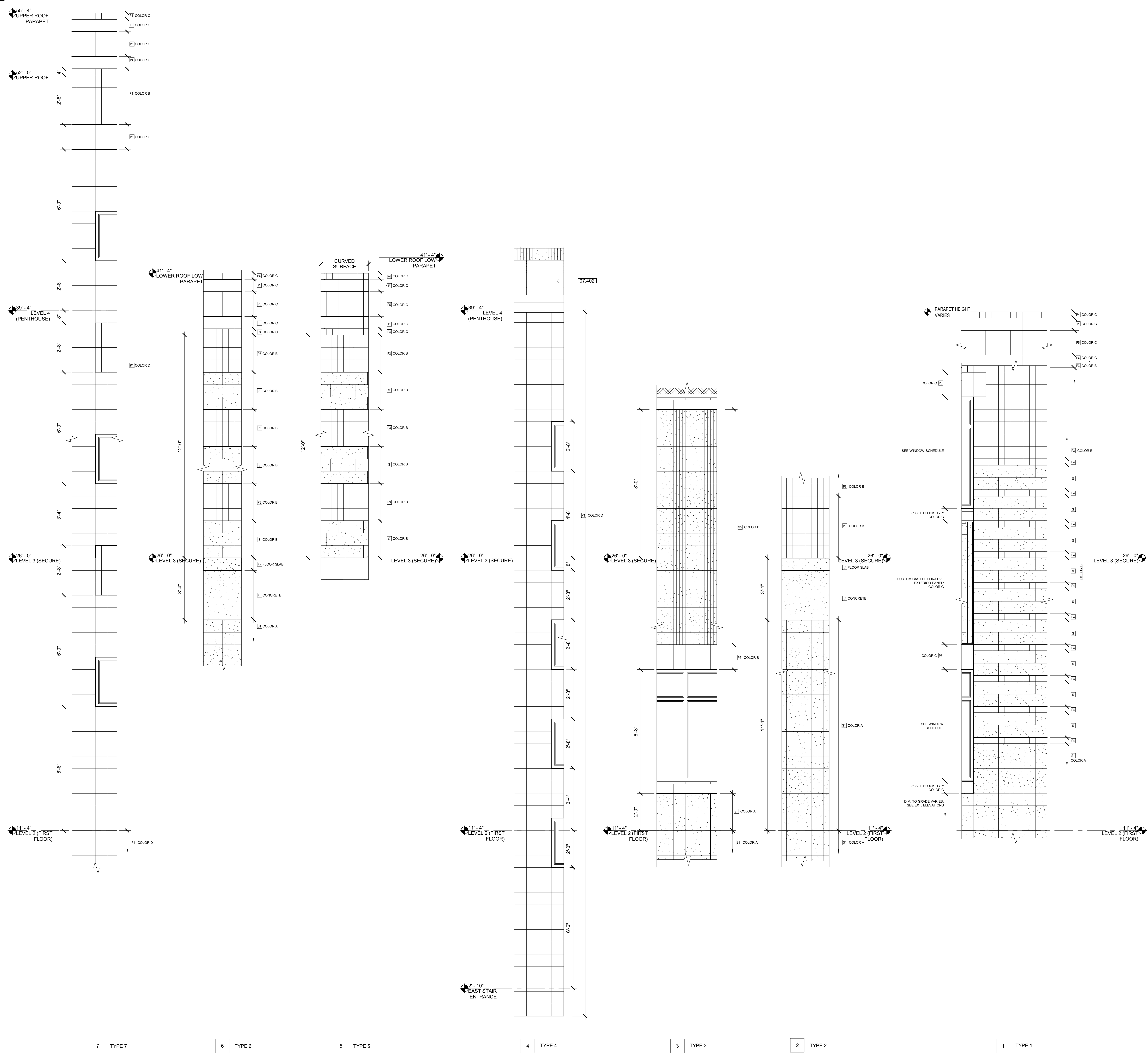
REVISIONS

Delta	Description	Date

Drawn By	D. YOUNG
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.

**A303 V4**



### BLOCK TYPES

	P	8" X 16" PRECISION BLOCK RUNNING BOND
	P1	8" X 16" PRECISION, 1-SCORE BLOCK RUNNING BOND
	P3	8" X 16" PRECISION, 3-SCORE BLOCK RUNNING BOND
	P4	4" X 16" PRECISION, 3-SCORE BLOCK RUNNING BOND
	P5	8" X 16" PRECISION SOLDIER COURSE BLOCK STACKED
	S	8" X 16" SPLIT FACE BLOCK RUNNING BOND
	S1	8" X 16" SPLIT FACE 1-SCORE BLOCK RUNNING BOND
	S5	8" X 16" SPLIT FACE 5-SCORE BLOCK RUNNING BOND
	C	INTEGRAL COLORED CONCRETE FLOOR SLAB & WALL

### SHEET NOTES

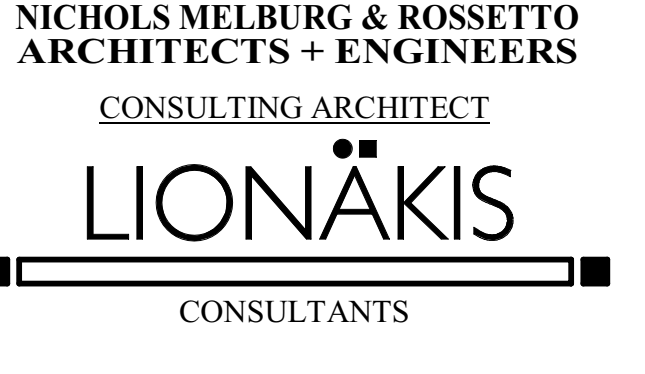
07:402 PREFINISHED METAL ROOFING PANEL: COLOR E

### COLOR LEGEND

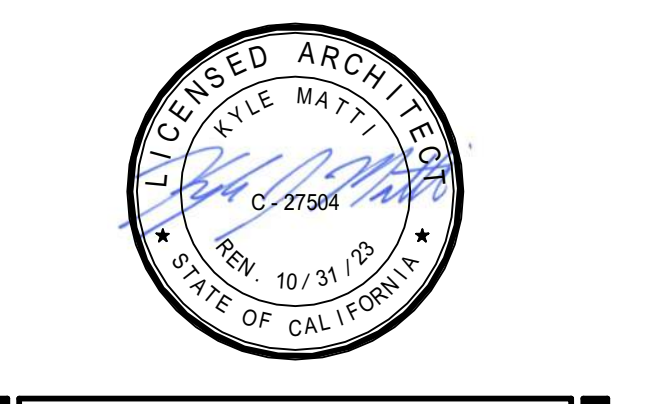
BASIS OF DESIGN	
A	BASALITE A-706 (CHARCOAL GREY)
B	BASALITE S-282 (DARK BEIGE)
C	BASALITE L-388 (LIGHT BEIGE)
D	METAL SALES: KHAKI
E	METAL SALES: WEATHERED COPPER
F	CORNICESTONE GFRC: WATER FINE TEXTURED
G	INTEGRAL COLORED CONCRETE - COLOR TO BE DETERMINED



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### LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**BLOCK COURSING TYPES**

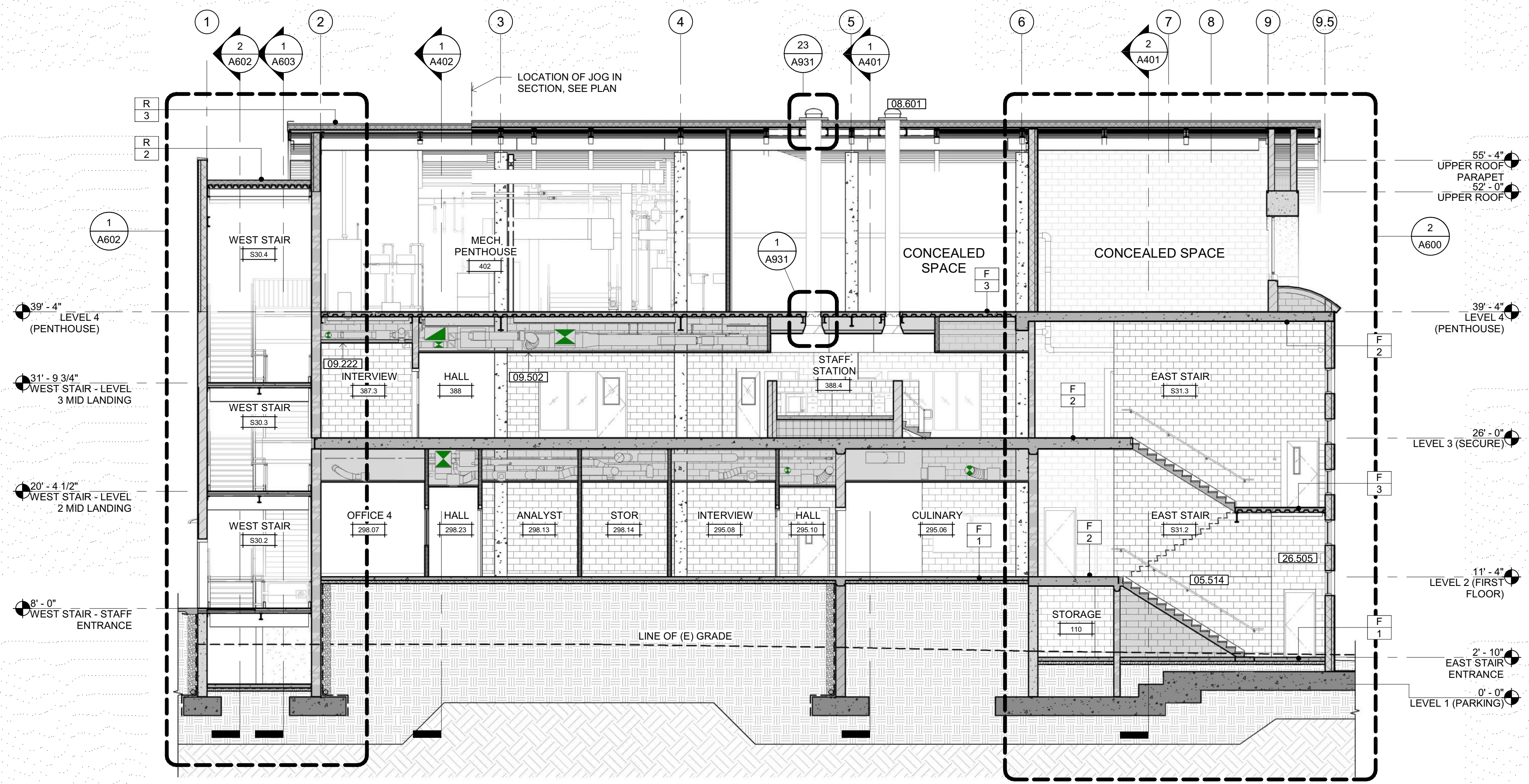
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

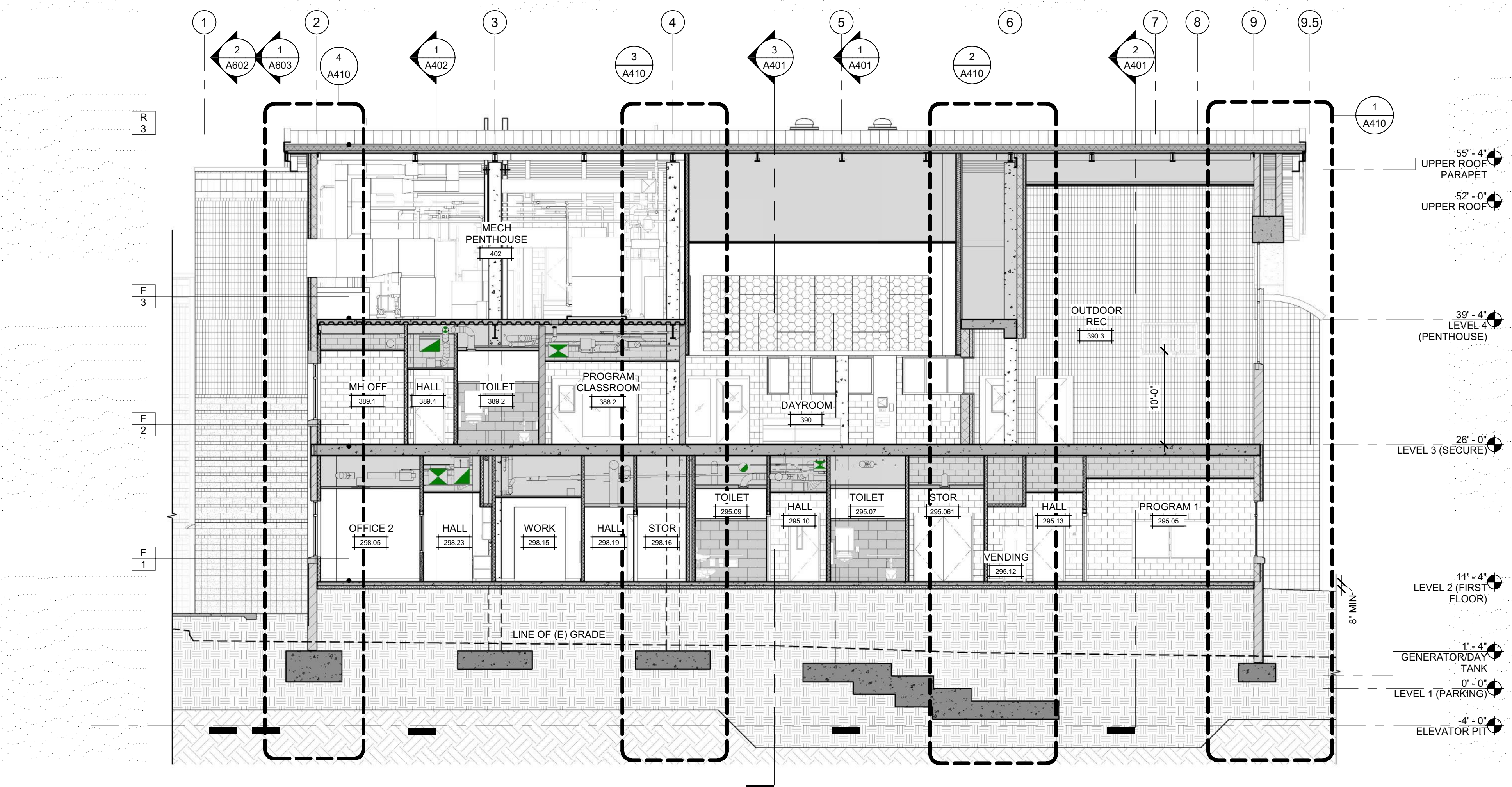
Delta	Description	Date

Drawn By: KMA  
 Date Issued: 09.19.2022  
 Scale: As indicated  
 Project No.: 16-6421.00

SHEET No.  
**A304 V4**



**1 BUILDING SECTION**  
SCALE: 1/8" = 1'-0"



**2 BUILDING SECTION**  
SCALE: 1/8" = 1'-0"

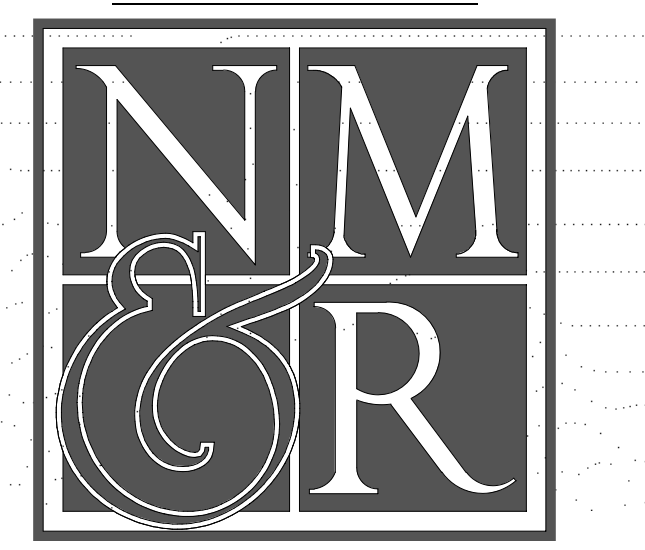
**SHEET NOTES**

NOTE: REFER TO FLOOR PLAN SHEETS FOR WALL ASSEMBLY TAGS

05.514 HANDRAIL ON WALL  
 08.601 TUBULAR SKYLIGHT  
 09.222 IMPACT-RESISTANT GYP BOARD CEILING/SOFFIT W/SECURITY LATH - SEE DETAIL C22/G120  
 09.502 SUSPENDED ACOUSTICAL CEILING SYSTEM - SEE SHEET A930 & C3/G120  
 26.505 WALL MOUNTED LIGHT FIXTURE - SMOOTH FACE BLOCK WHERE MOUNT OCCURS

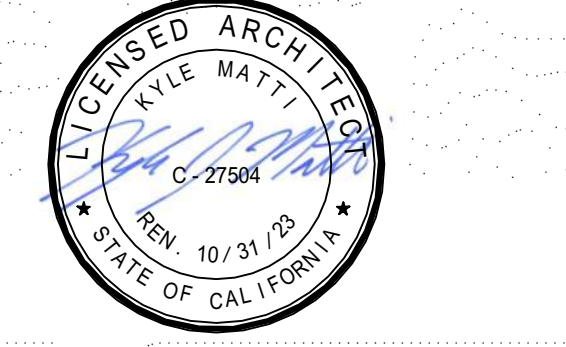


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**LIONAKIS**  
CONSULTANTS

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**BUILDING SECTIONS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A400 V4**

**WALL TYPES LEGEND**

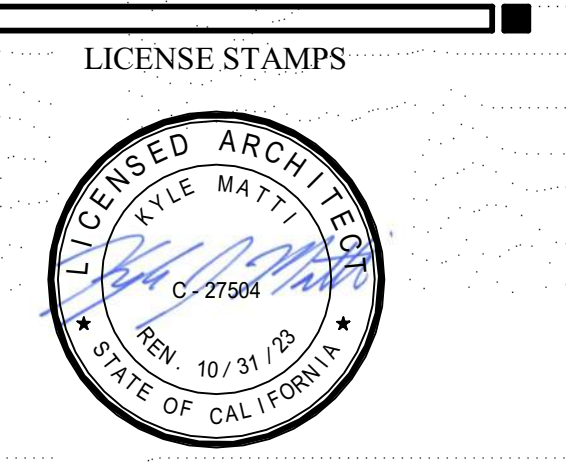
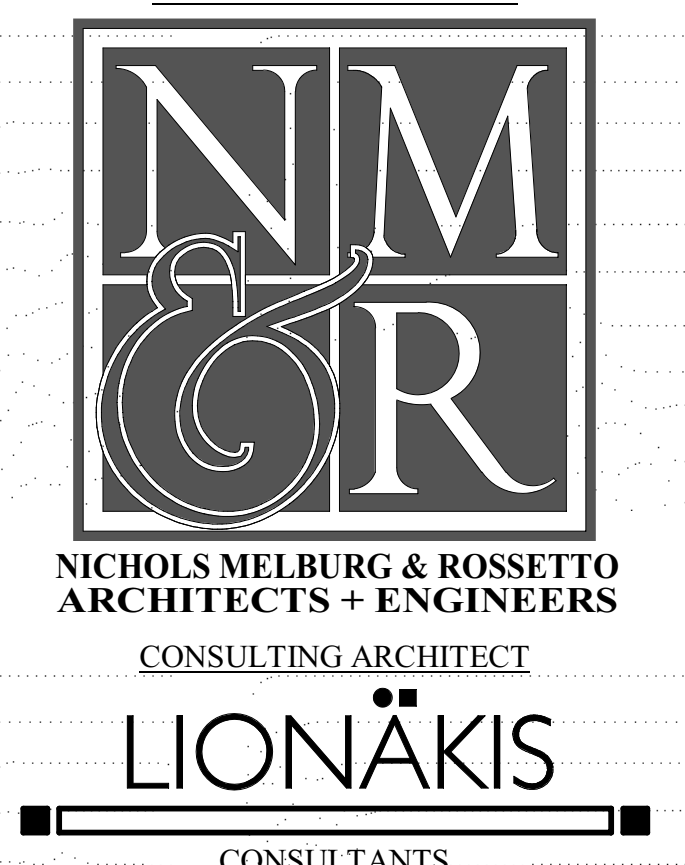
	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL
	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W14/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W12/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W13/G122
	NON-RATED 12" INSULATED CMU NON-BEARING WALL SEE DETAIL W11/G122
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W10/G122
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W8/G122
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W9/G122
	3 HOUR CMU BEARING FIRE WALL SEE DETAIL W17/G122
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS SEE DETAIL W7/G122
	3 HOUR CONCRETE RETAINING FIRE WALL SEE DETAIL W16/G122
	NON-RATED CONCRETE SITE RETAINING WALL SEE DETAIL W15/G122
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W5/G121
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W6/G121
	NON-RATED METAL STUD WALL SEE DETAILS W3/G121, W4/G121

**SHEET NOTES**

NOTE: REFER TO FLOOR PLAN SHEETS FOR WALL ASSEMBLY TAGS  
26.500 LIGHT FIXTURE-TYPICAL



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PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**BUILDING SECTIONS**

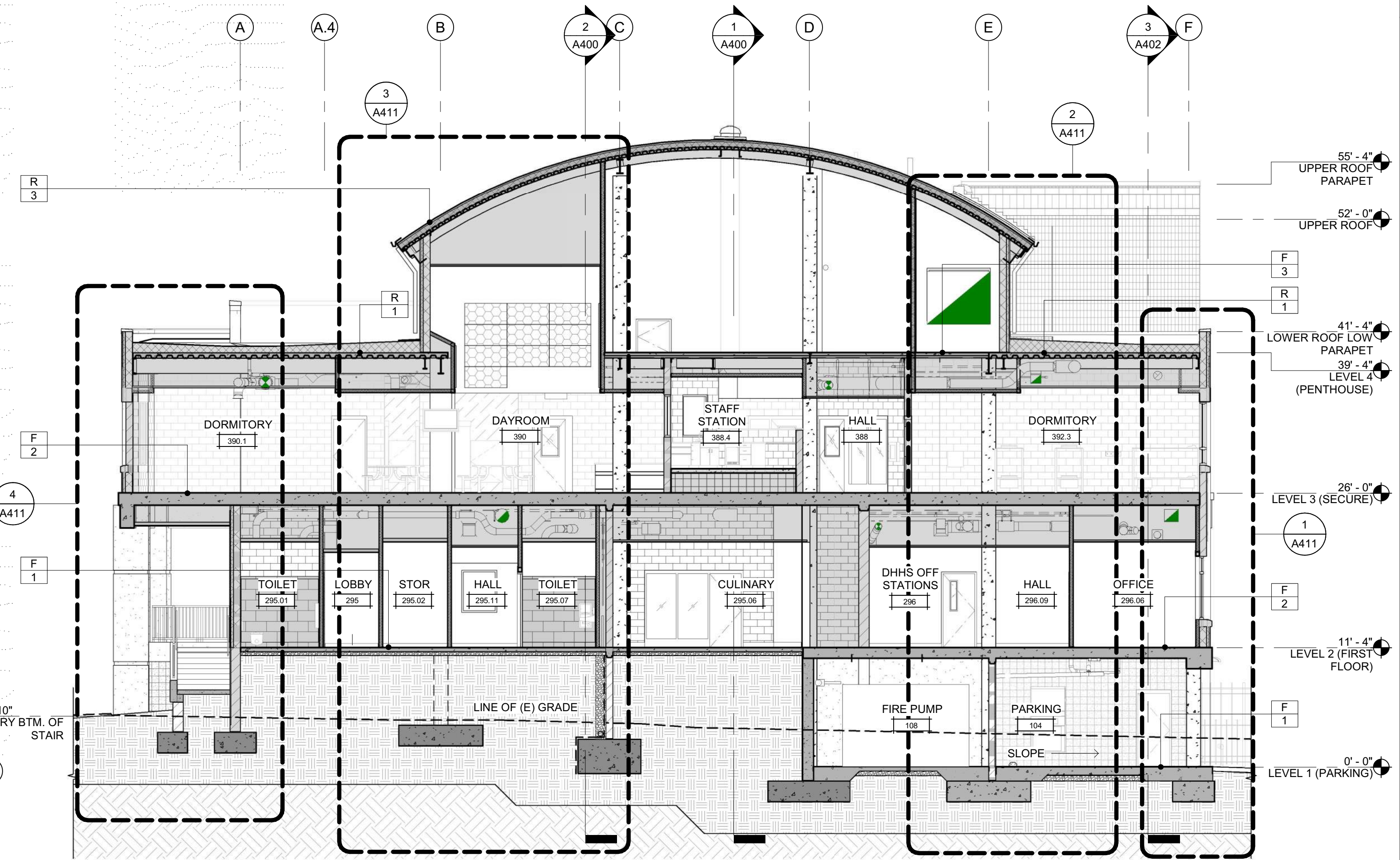
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

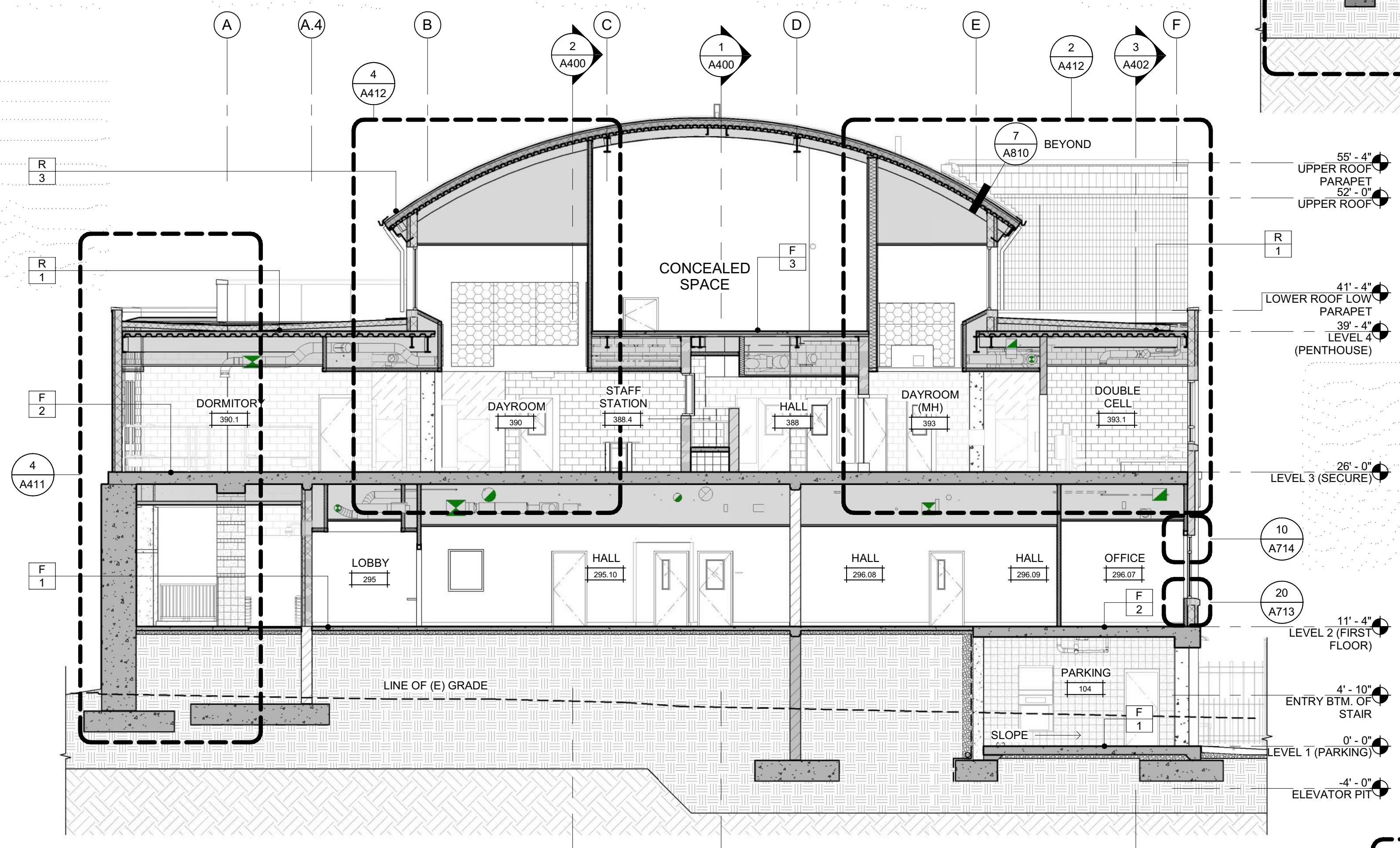
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

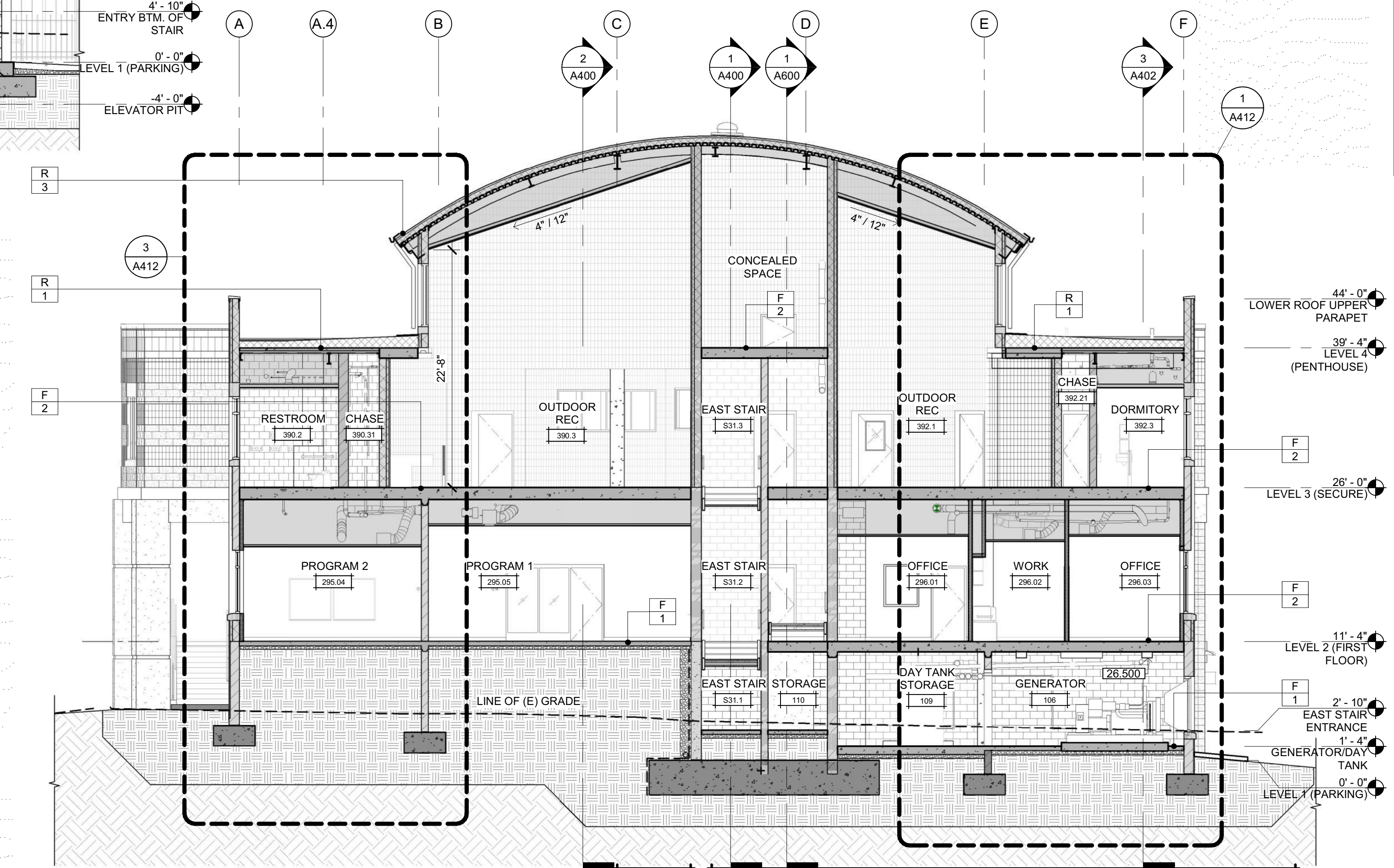
SHEET No.  
**A401 V4**



**1 BUILDING SECTION**  
SCALE: 1/8" = 1'-0"



**3 BUILDING SECTION AT LIGHT WELLS**  
SCALE: 1/8" = 1'-0"



**2 BUILDING SECTION**  
SCALE: 1/8" = 1'-0"

**WALL TYPES LEGEND**

	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL
	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W14/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W12/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W13/G122
	NON-RATED 12" INSULATED CMU NON-BEARING WALL SEE DETAIL W11/G122
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W10/G122
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W8/G122
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W9/G122
	3 HOUR CMU BEARING FIRE WALL SEE DETAIL W17/G122
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS SEE DETAIL W7/G122
	3 HOUR CONCRETE RETAINING FIRE WALL SEE DETAIL W16/G122
	NON-RATED CONCRETE SITE RETAINING WALL SEE DETAIL W15/G122
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W5/G121
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W6/G121
	NON-RATED METAL STUD WALL SEE DETAILS W3/G121, W4/G121

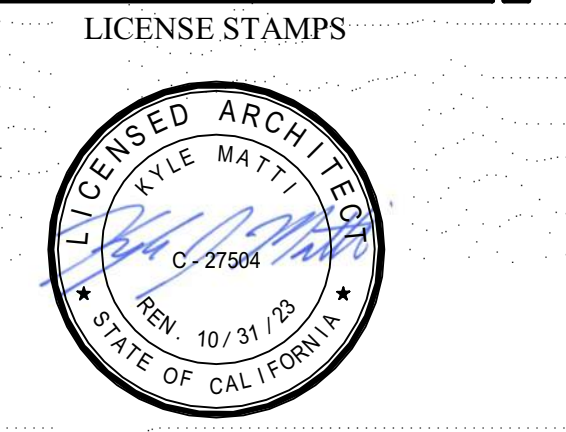
**SHEET NOTES**

NOTE: REFER TO FLOOR PLAN SHEETS FOR WALL ASSEMBLY TAGS  
 07.607 PARAPET CAP FLASHING, COLOR E  
 09.502 SUSPENDED ACOUSTICAL CEILING SYSTEM - SEE SHEET A830 & C3/G120  
 10.404 SEMI-RECESSED FIRE EXTINGUISHER & CABINET - SEE DETAIL 18/A970



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ARCHITECT OF RECORD  
  
 NICHOLS MELBURG & ROSSETTO  
 ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT  
  
 CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**BUILDING SECTIONS**

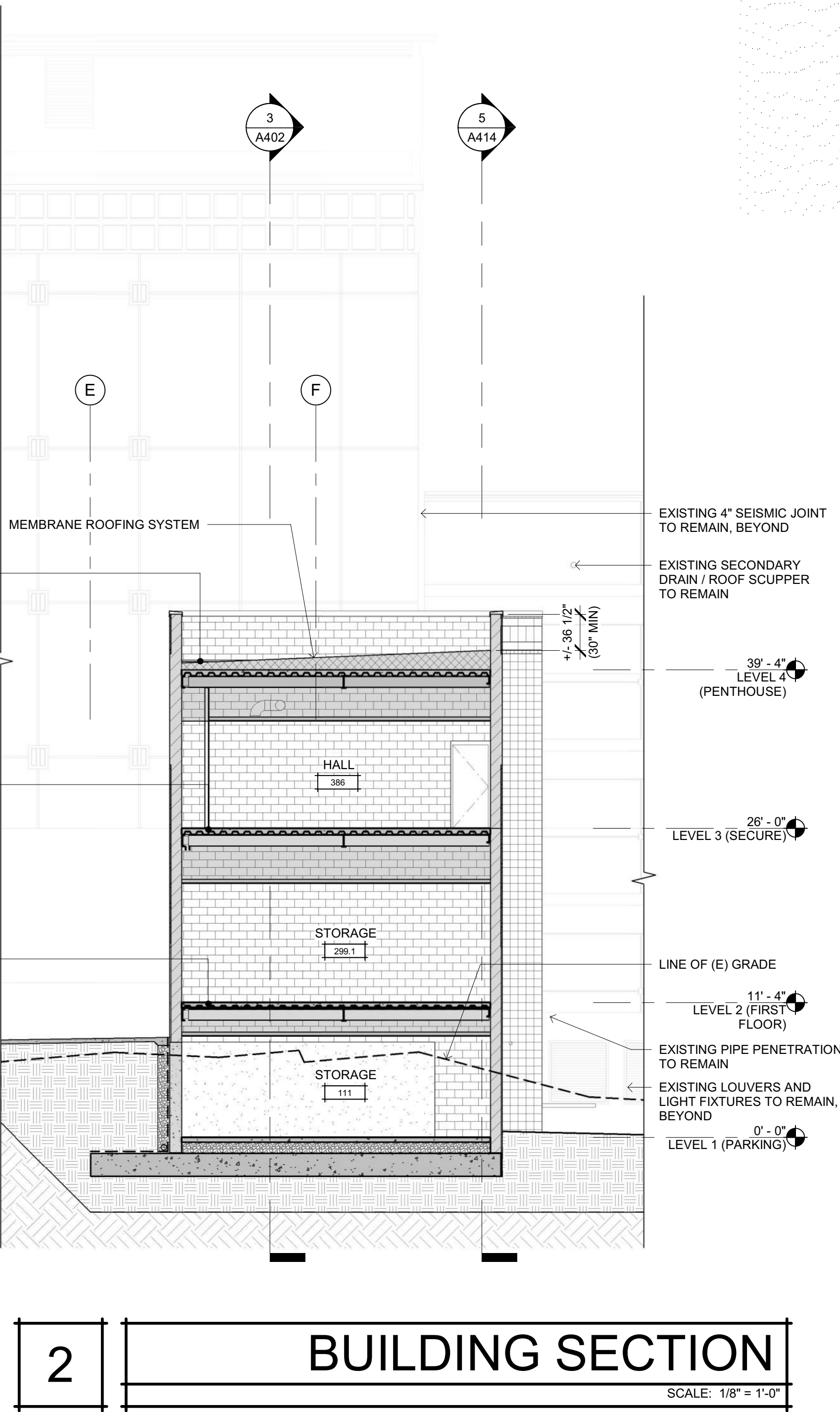
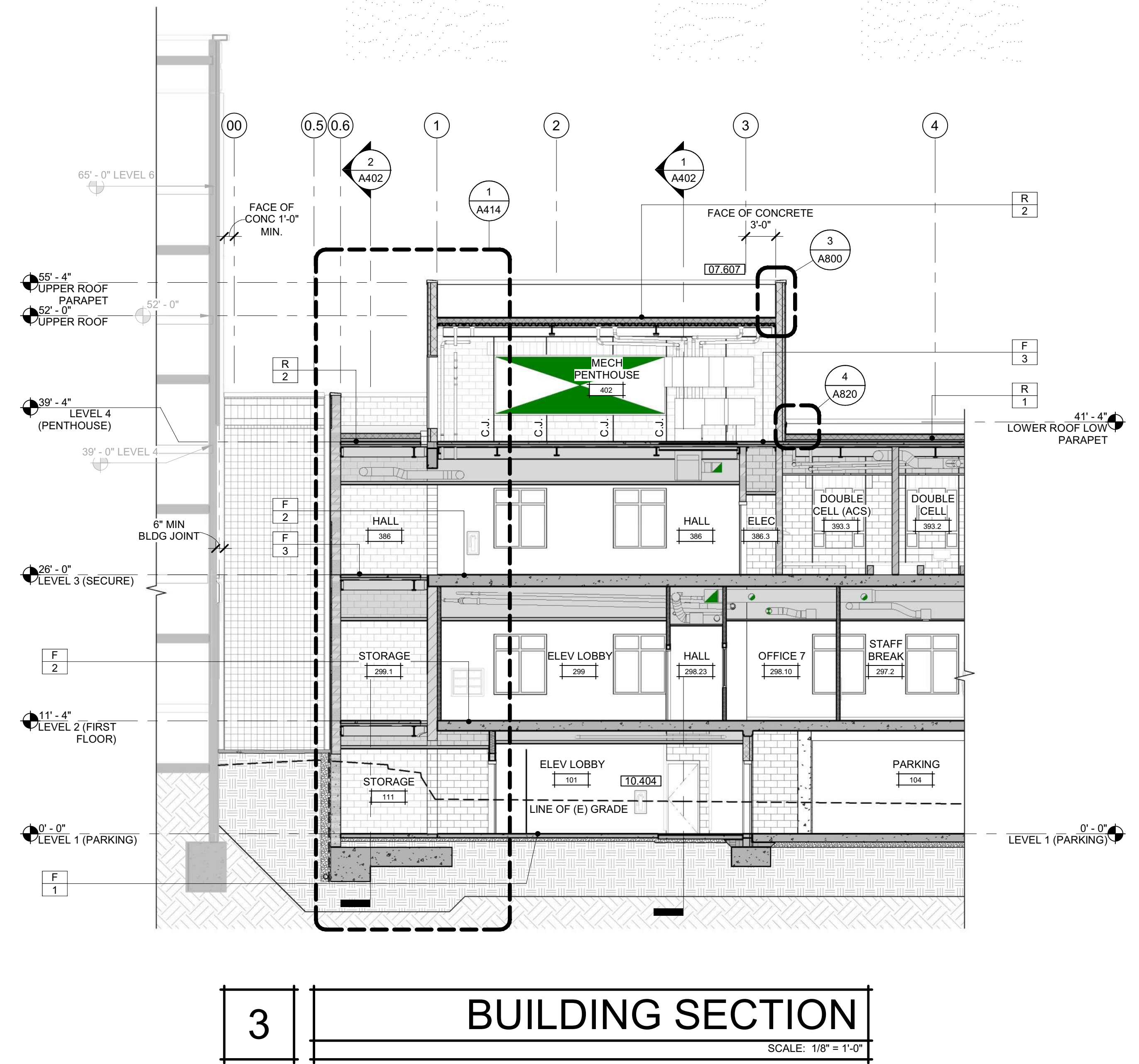
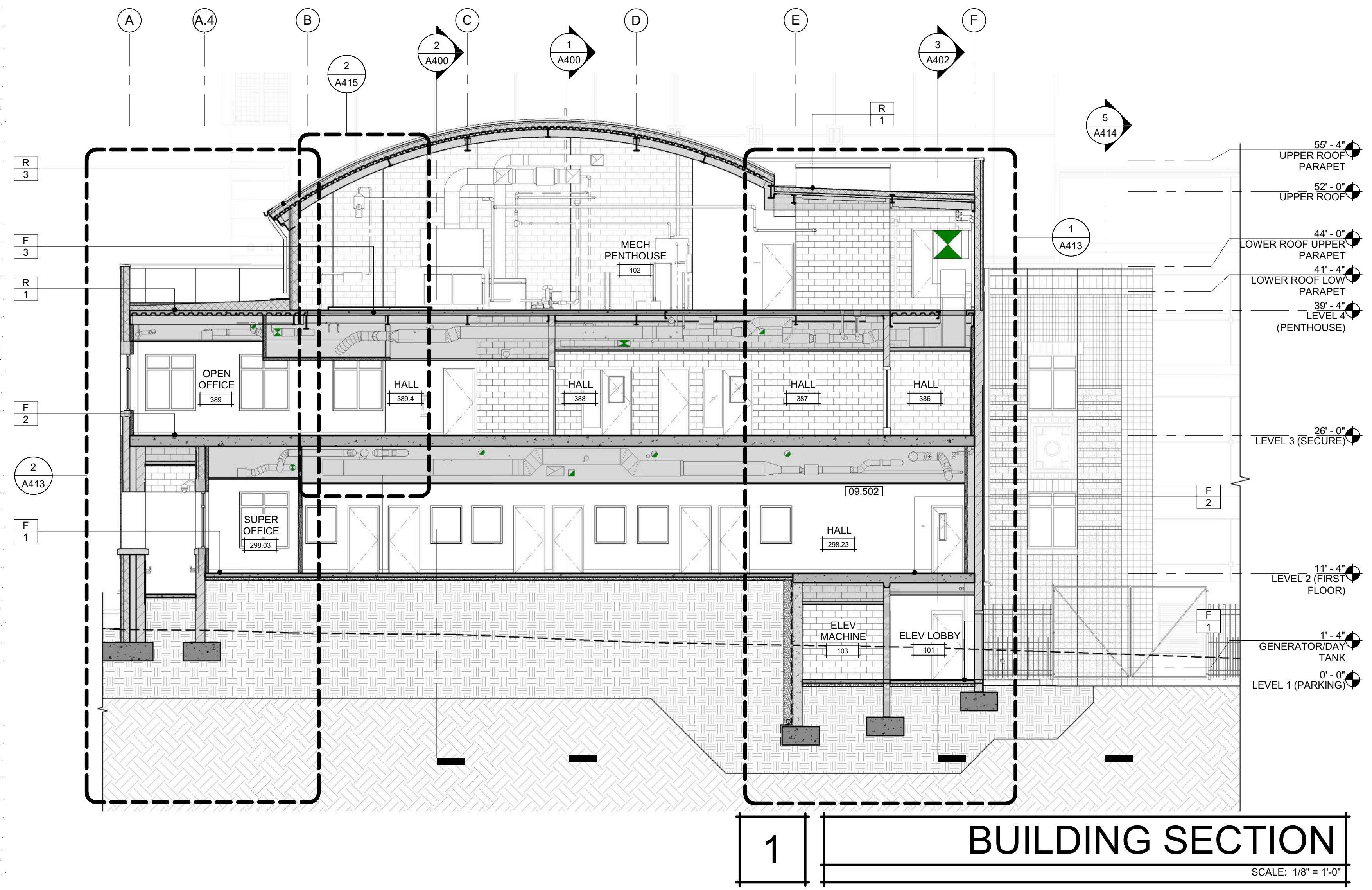
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A402 V4**

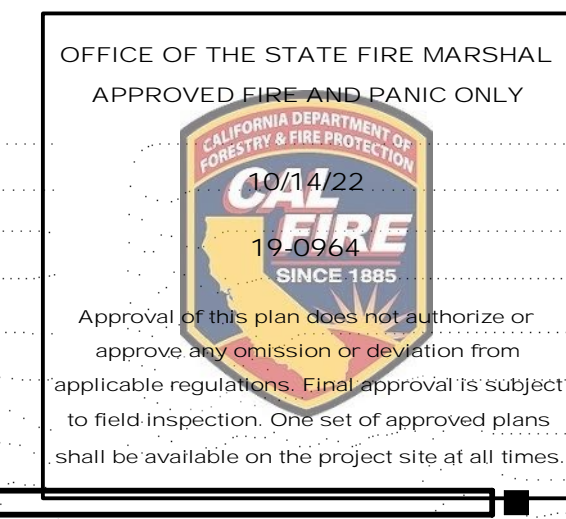


**WALL TYPES LEGEND**

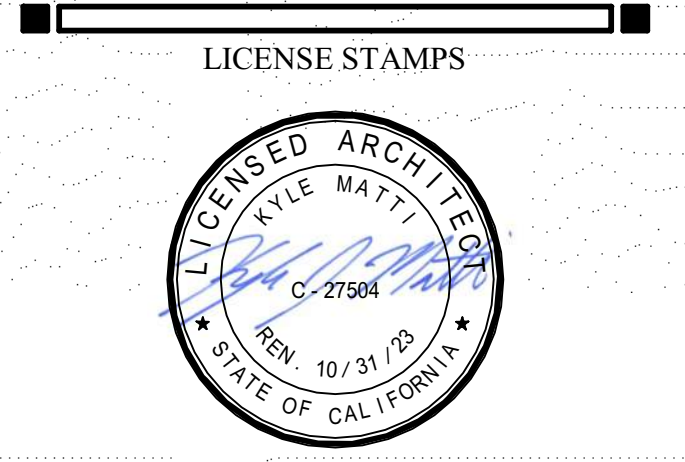
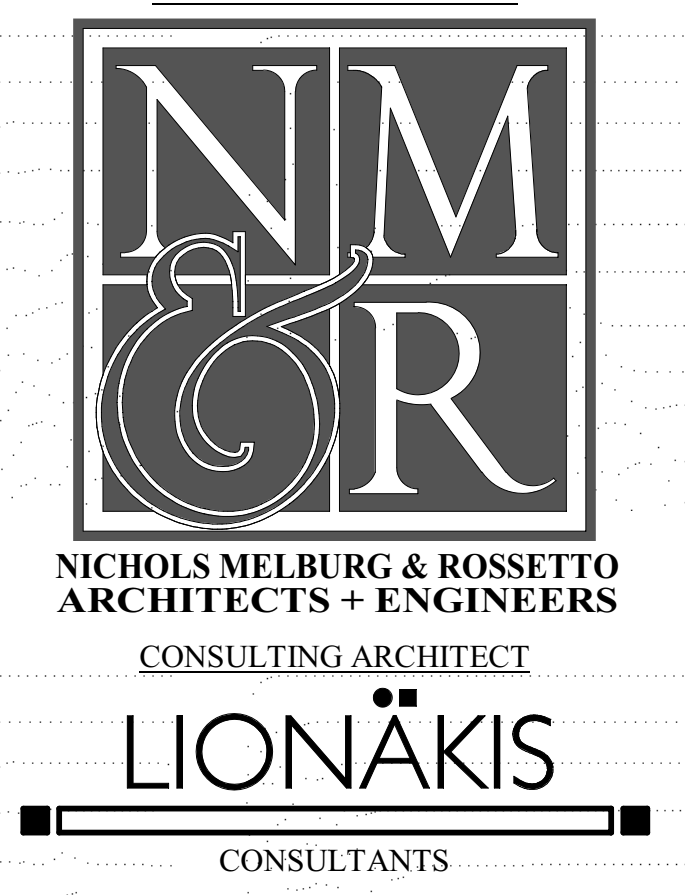
	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL
	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W14/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W12/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W13/G122
	NON-RATED 12" INSULATED CMU NON-BEARING WALL SEE DETAIL W11/G122
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS SEE DETAIL W10/G122
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W8/G122
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W9/G122
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS SEE DETAIL W7/G122
	3 HOUR CONCRETE RETAINING FIRE WALL SEE DETAIL W16/G122
	NON-RATED CONCRETE SITE RETAINING WALL SEE DETAIL W15/G122
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS SEE DETAIL W5/G121
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS SEE DETAIL W6/G121
	NON-RATED METAL STUD WALL SEE DETAILS W3/G121, W4/G121

SHEET NOTES

- NOTE: REFER TO FLOOR PLAN SHEETS FOR WALL ASSEMBLY TAGS
- 03.302 CONCRETE SLAB
  - 03.305 CONCRETE COLUMN
  - 03.403 PRECAST PANEL- COLOR F
  - 04.206 CMU WEEP
  - 04.207 GULLIE DOWN WATERSTOP
  - 05.400 METAL FRAMING
  - 08.501 HOLLOW METAL FRAME WINDOW
  - 09.000 SEE FINISH SCHEDULE FOR FINISH MATERIALS, TYP.
  - 09.218 GYPSUM BOARD CEILING
  - 09.224 GYP BOARD CEILING/SOFFIT - SEE DETAIL C1/G120
  - 09.502 SUSPENDED ACOUSTICAL CEILING SYSTEM - SEE SHEET A930 & C3/G120
  - 09.600 BASE - SEE FINISH SCHEDULE
  - 11.422 VENDING MACHINE - OFOI



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PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**WALL SECTIONS**

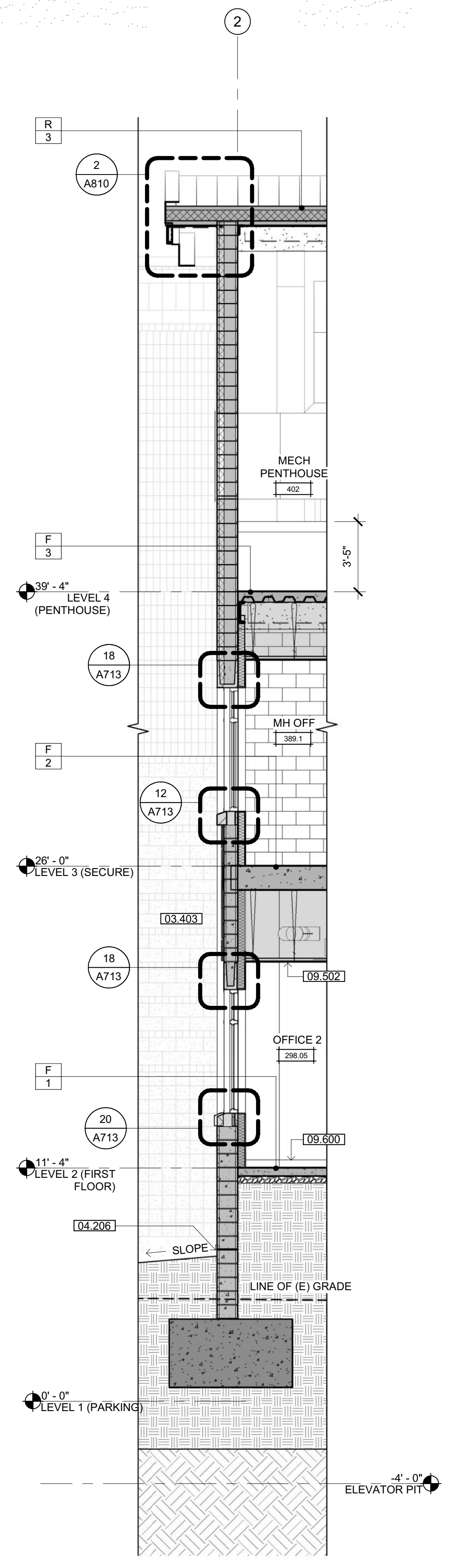
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

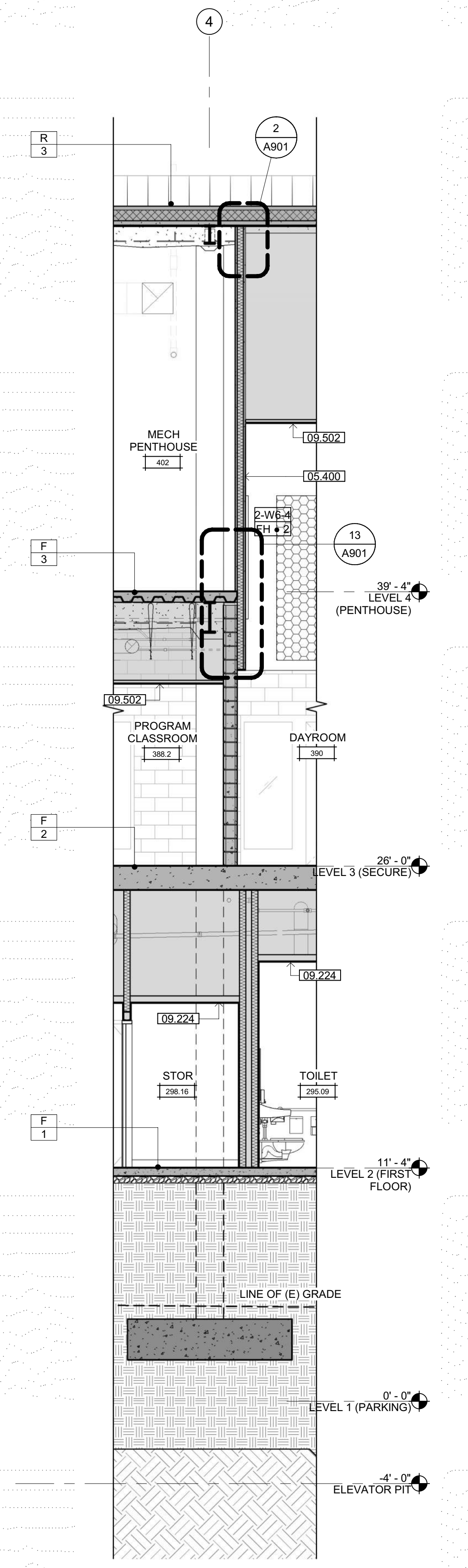
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

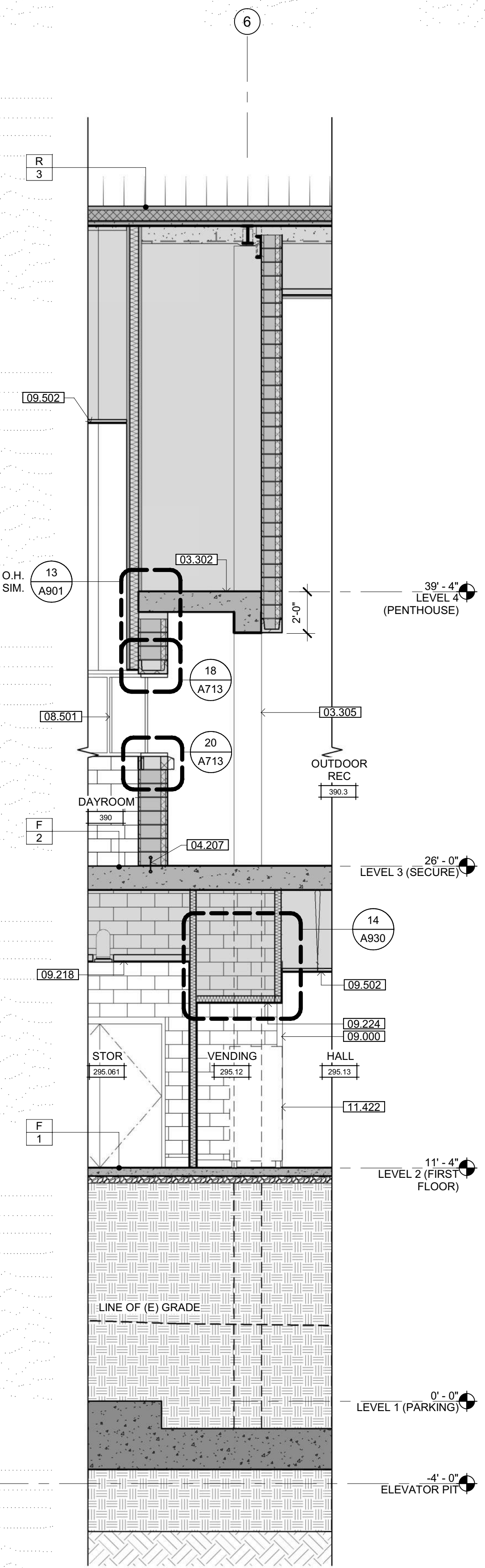
SHEET No.  
**A410 V4**



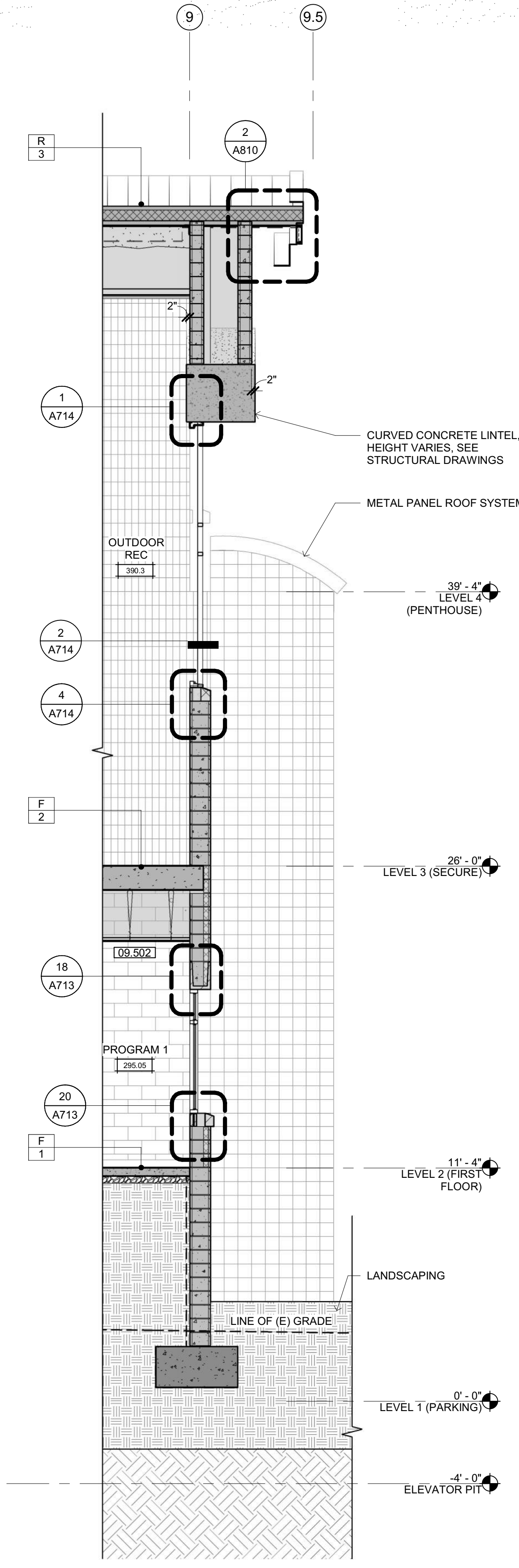
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 SCALE: 1/4" = 1'-0"



**3 WALL SECTION**  
 SCALE: 1/4" = 1'-0"



**2 WALL SECTION**  
 SCALE: 1/4" = 1'-0"



**1 WALL SECTION**  
 SCALE: 1/4" = 1'-0"

LEGEND

	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL

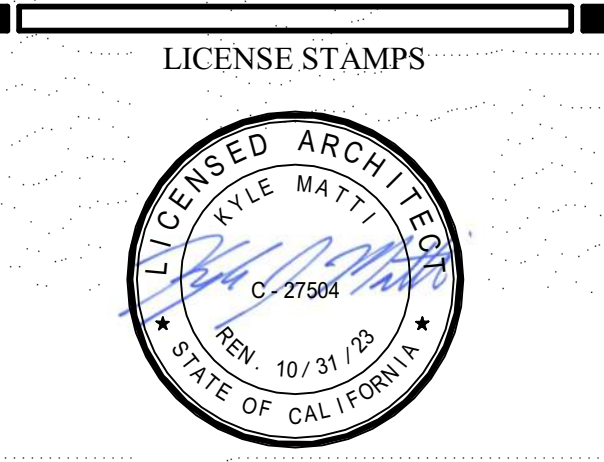
# SHEET NOTES

NOTE: REFER TO FLOOR PLAN SHEETS FOR WALL ASSEMBLY TAGS

- 03.300 CONCRETE STEPS
- 03.302 CONCRETE SLAB
- 03.402 PRECAST CONCRETE TRIM
- 04.200 CMU
- 04.206 CMU WEEP
- 04.207 GLUE DOWN WATERSTOP
- 05.512 GUARD WITH HANDRAIL
- 05.514 HANDRAIL ON WALL
- 07.403 METAL WALL PANELS: COLOR D
- 07.501 MEMBRANE ROOFING SYSTEM OVER RIGID INSULATION
- 07.504 MEMBRANE ROOFING SYSTEM OVER CMU
- 07.600 METAL FLASHING
- 07.607 PARAPET CAP FLASHING: COLOR E
- 07.802 SPRAY ON FIRE PROOFING
- 08.501 HOLLOW METAL FRAME WINDOW
- 09.218 GYPSUM BOARD CEILING
- 09.222 IMPACT-RESISTANT GYP BOARD CEILING/SOFFIT W/SECURITY LATH - SEE DETAIL C2/G120
- 09.502 SUSPENDED ACOUSTICAL CEILING SYSTEM - SEE SHEET A830 & C3/G120
- 09.504 SECURITY METAL PLANK CEILING - SEE DETAIL C4/G120
- 11.608 WALL MOUNTED TELEVISION & BRACKET
- 12.505 FULLY WELDED STEEL DOUBLE BUNK WITH PROPERTY CUBBY - SEE DETAIL 1/A962



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**WALL SECTIONS**  
 DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

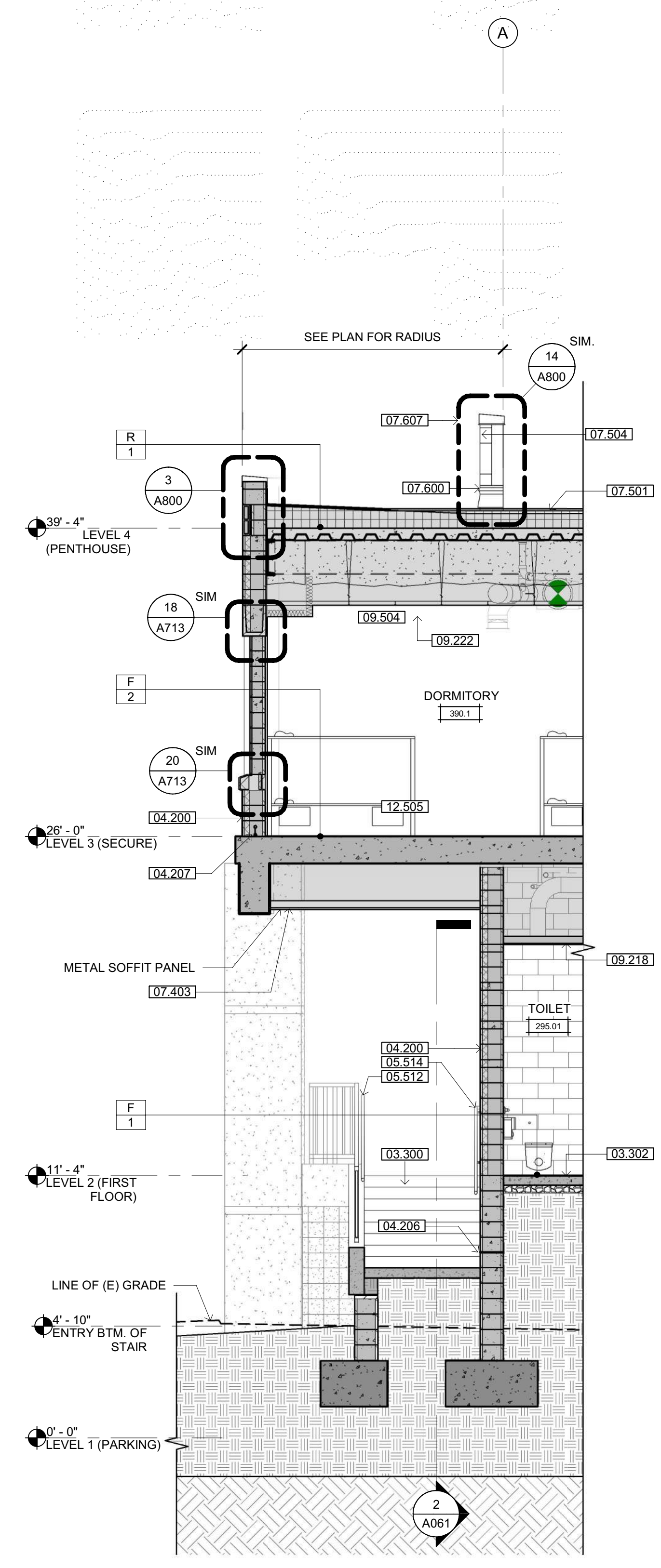
Delta	Description	Date

LEGEND

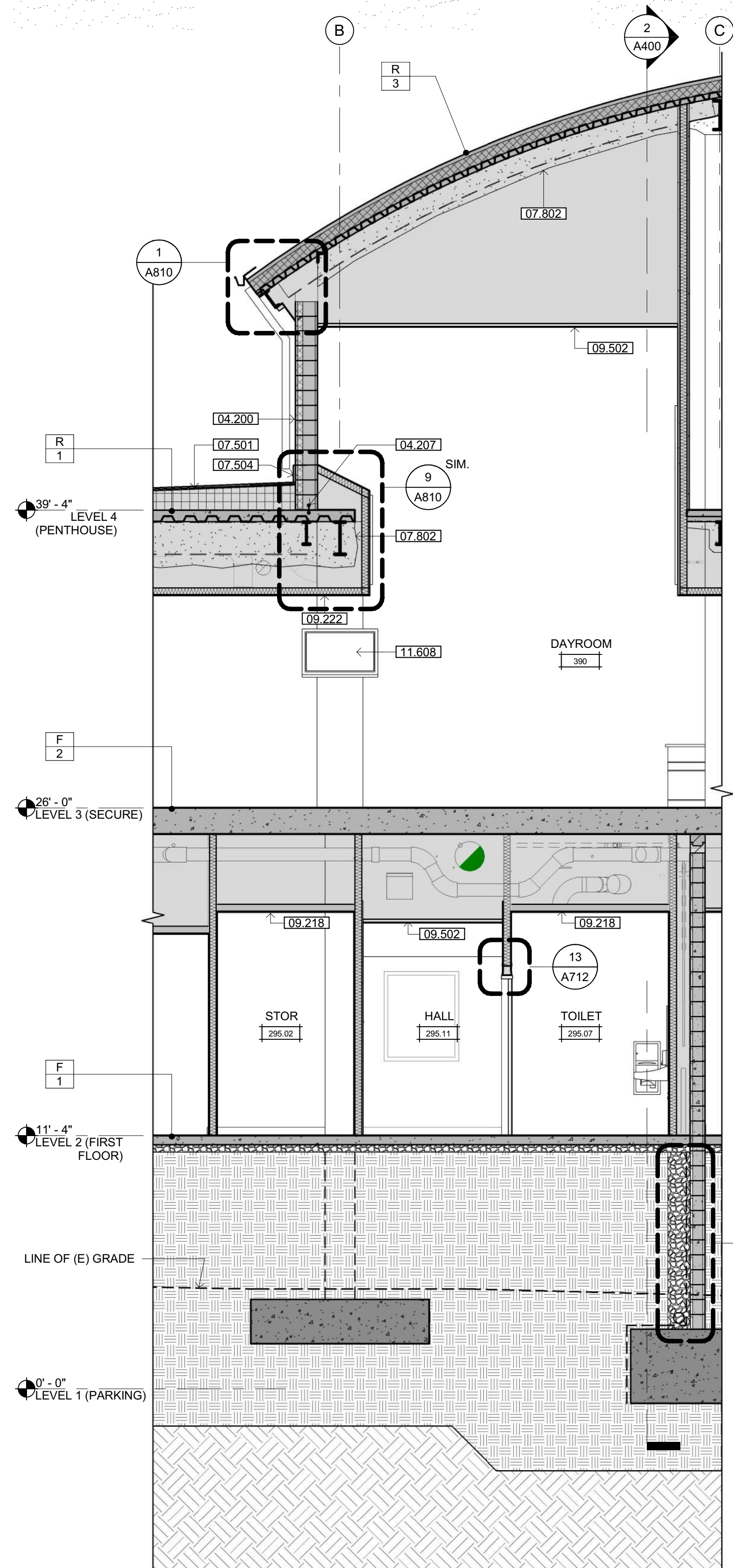
	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

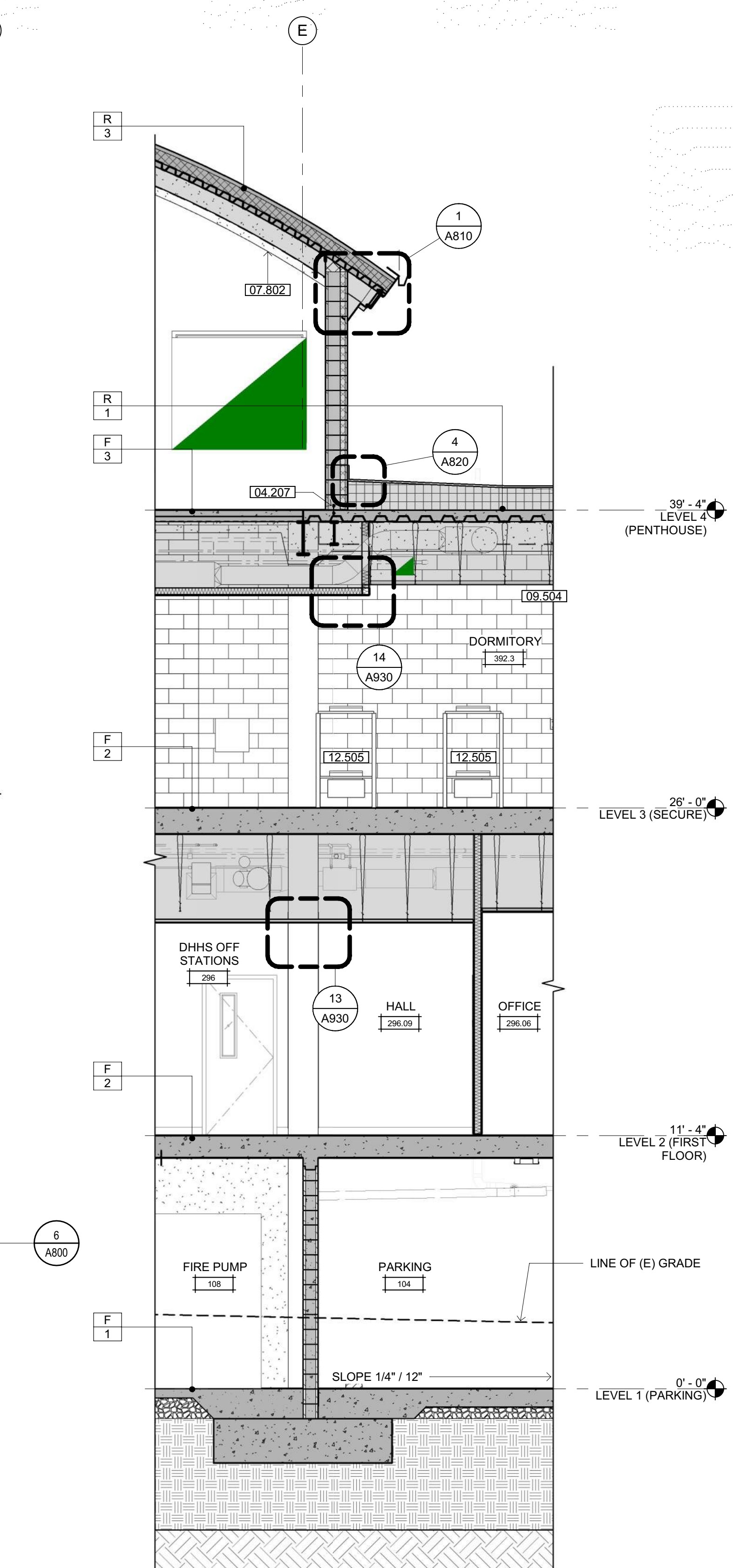
SHEET No.  
**A411 V4**



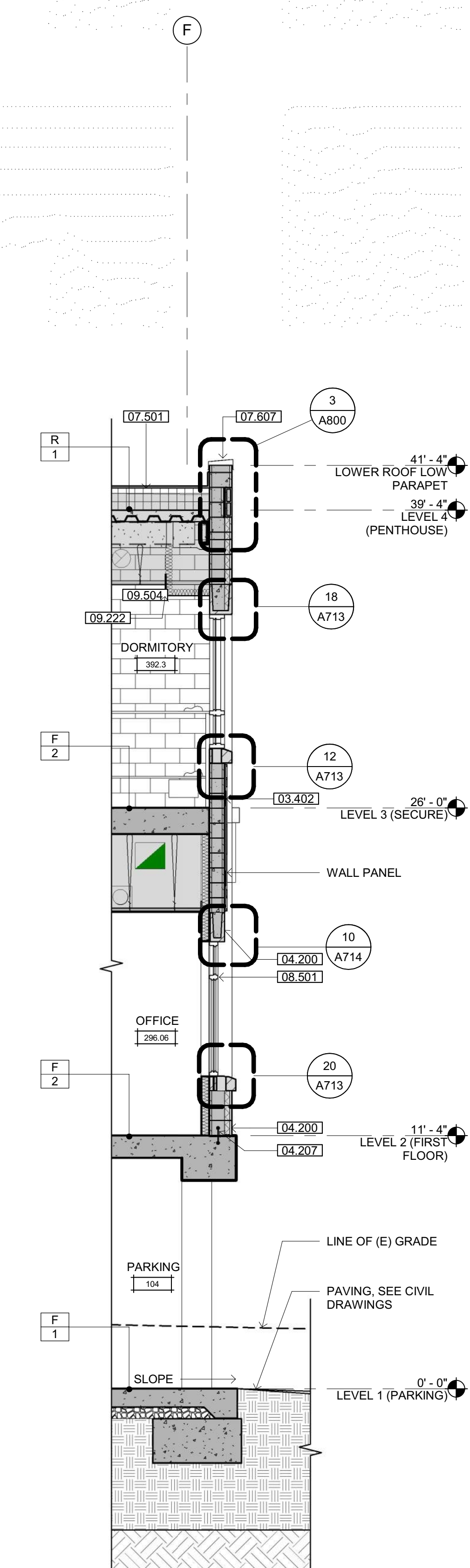
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 SCALE: 1/4" = 1'-0"



**3 WALL SECTION**  
 SCALE: 1/4" = 1'-0"



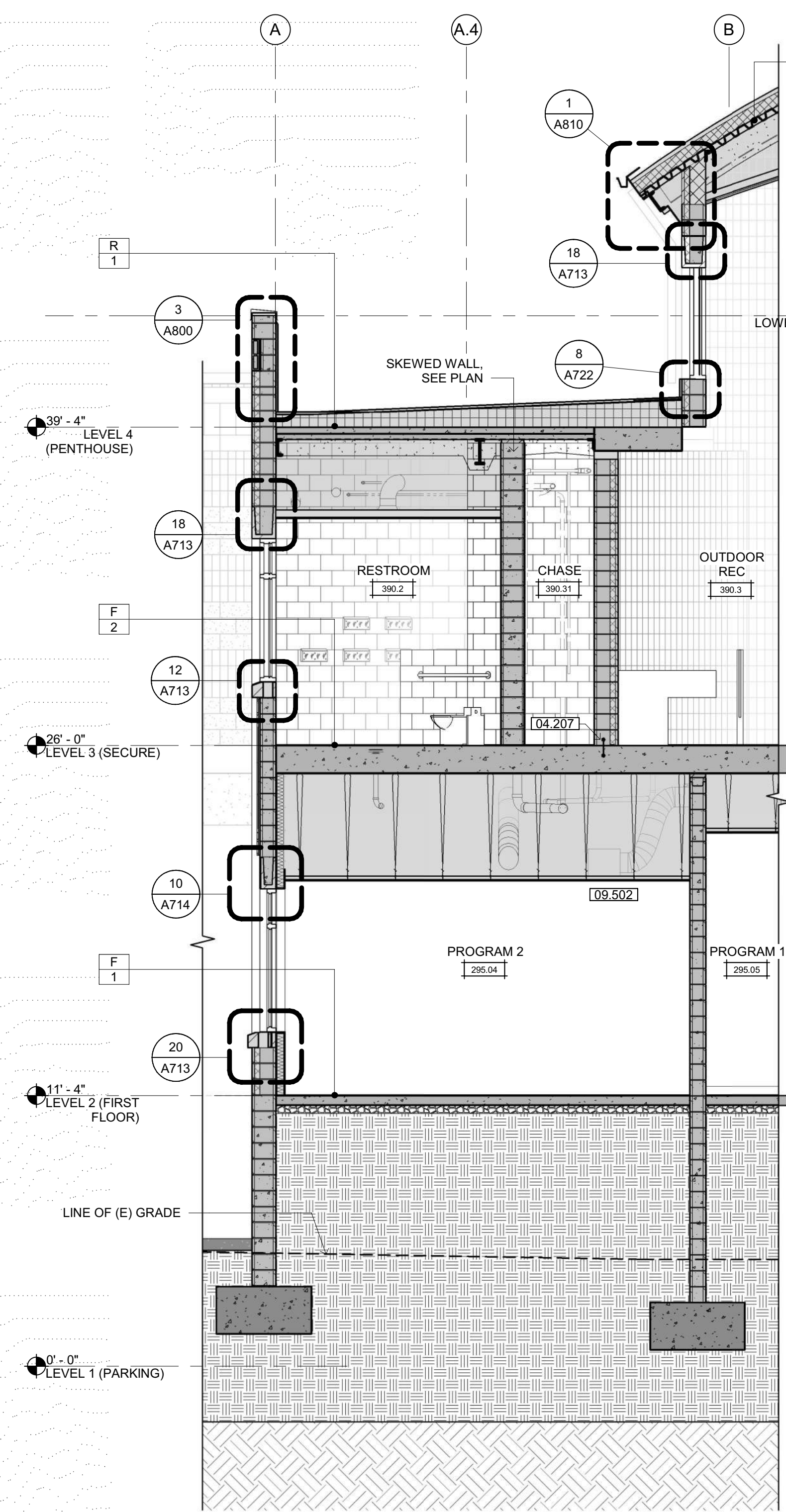
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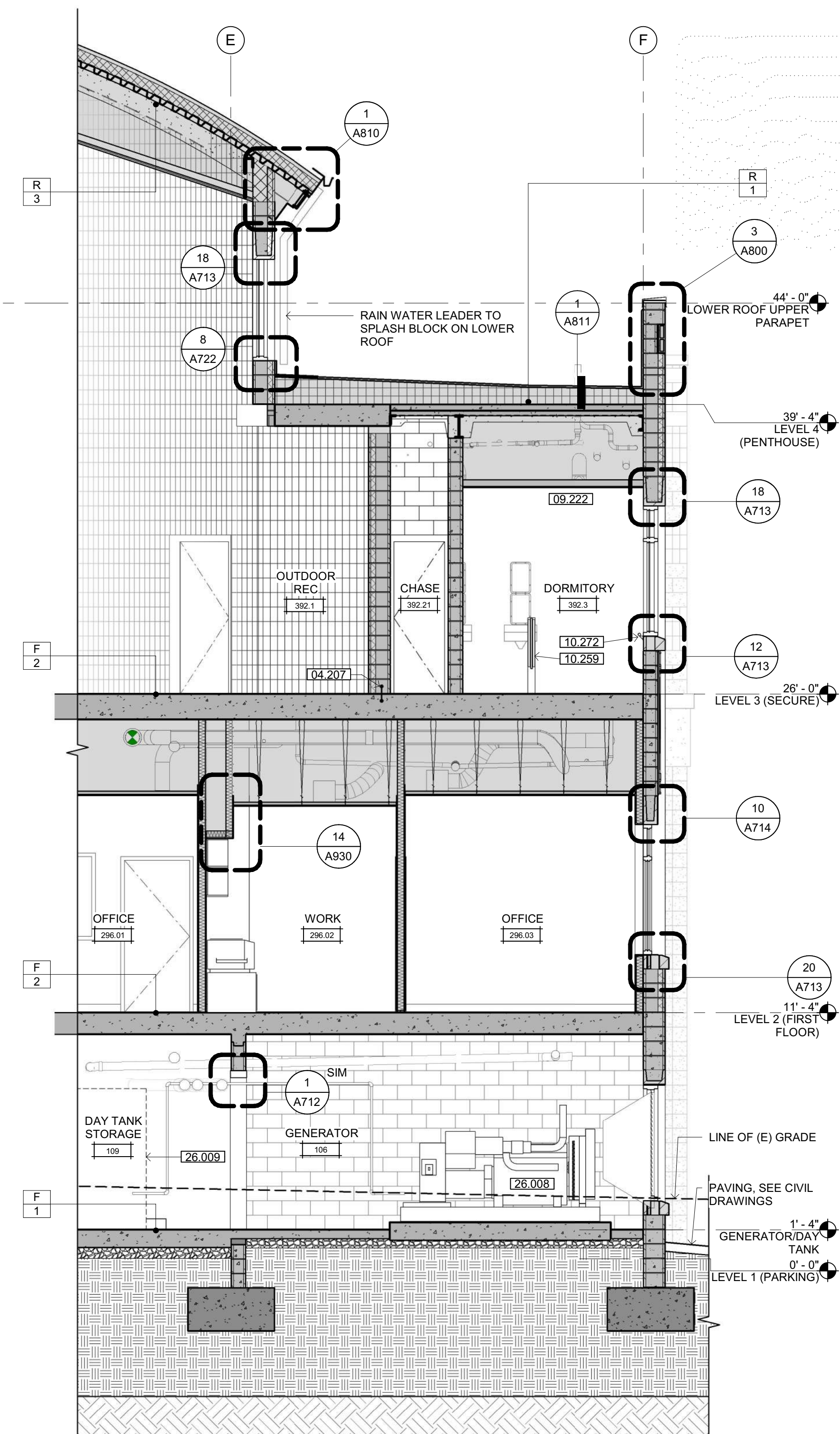
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 SCALE: 1/4" = 1'-0"



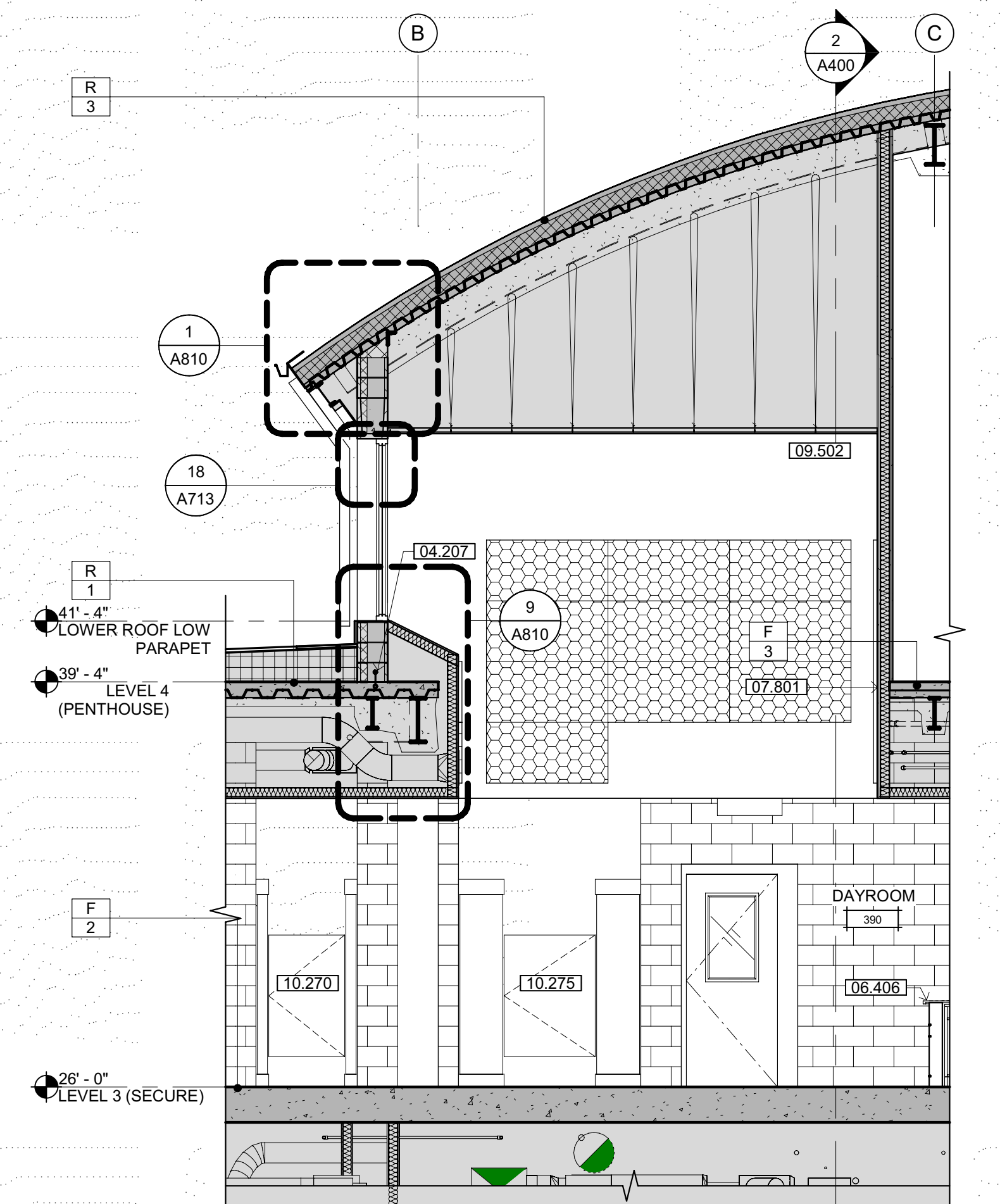
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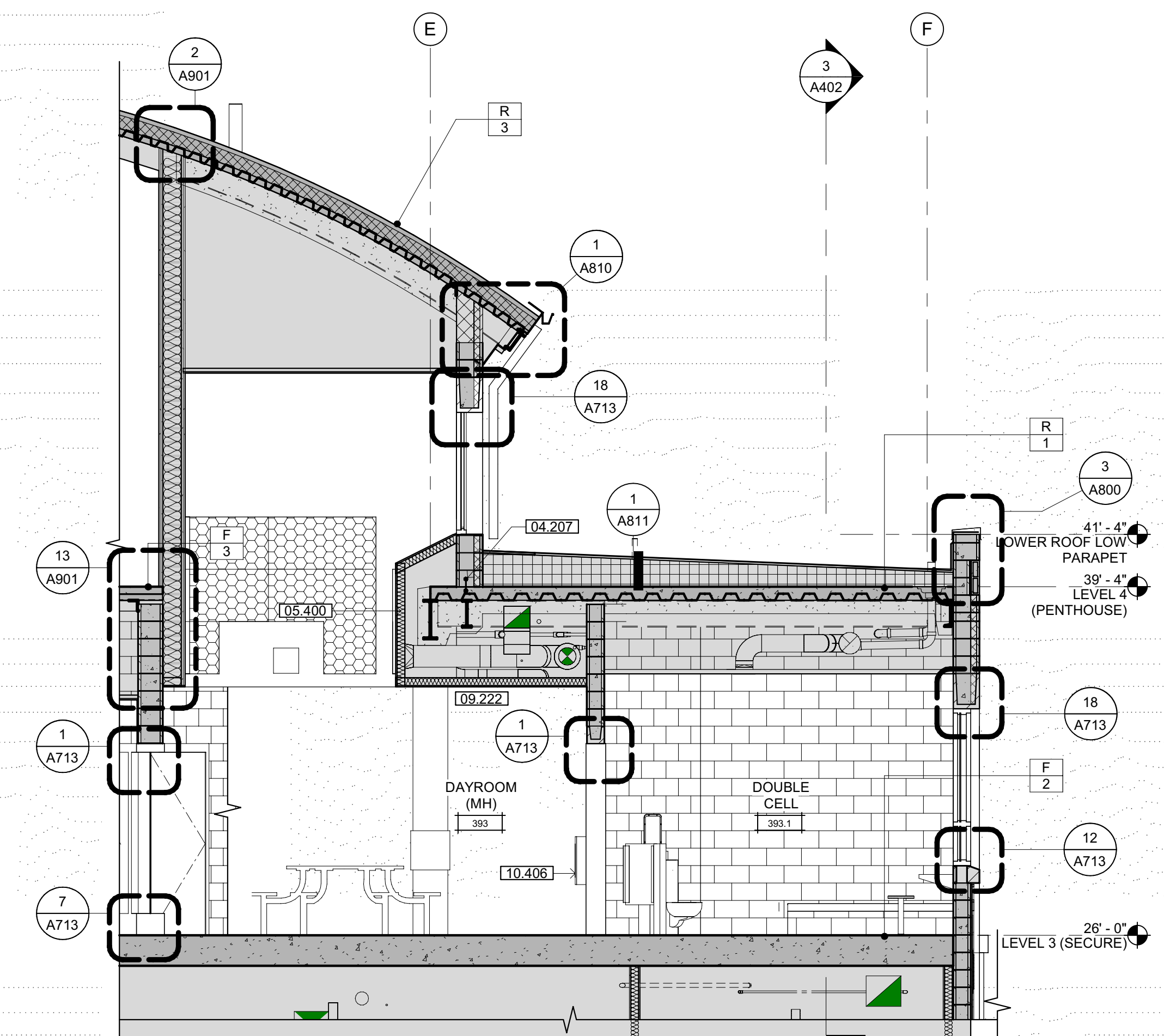
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SCALE: 1/4" = 1'-0"



**1 WALL SECTION**  
SCALE: 1/4" = 1'-0"



**4 WALL SECTION**  
SCALE: 1/4" = 1'-0"



**2 WALL SECTION**  
SCALE: 1/4" = 1'-0"

### SHEET NOTES

**NOTE: REFER TO FLOOR PLAN SHEETS FOR WALL ASSEMBLY TAGS**

- 04.207 GLUE DOWN WATERSTOP
- 05.400 METAL FRAMING
- 06.406 COUNTER AND BASE CABINET
- 07.801 FIRE STOPPING
- 09.222 IMPACT-RESISTANT GYP BOARD CEILING/SOFFIT W/SECURITY LATH - SEE DETAIL C2/G120
- 09.502 SUSPENDED ACOUSTICAL CEILING SYSTEM - SEE SHEET A830 & C3/G120
- 10.259 TYPICAL MODESTY SCREEN - SEE DETAIL 11/A961
- 10.263 48" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.270 NON-ACCESSIBLE SECURITY SOLID PLASTIC TOILET PARTITION & DOOR - SEE DETAILS 3, 4, 6 & 7/A962
- 10.272 48" MODIFIED SECURITY GRAB BAR - SEE DETAIL 15/A970
- 10.275 ACCESSIBLE SECURITY SOLID PLASTIC SHOWER PARTITION & DOOR - SEE DETAILS 3, 4, 5 & 7/A962
- 10.406 WALL MOUNTED SECURITY FIRE EXTINGUISHER & CABINET
- 26.008 DIESEL POWERED GENERATOR - SEE ELECTRICAL & PLUMBING DRAWINGS
- 26.009 RESERVE DIESEL FUEL TANK - SEE PLUMBING DRAWINGS

LEGEND

	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL

REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.

## A412 V4

OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY

Approval of these plans does not authorize or approve any construction or installation from any applicable regulations. Approval is subject to field inspection. The set of approved plans shall be available on the project site at all times.

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ARCHITECT OF RECORD

NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT

CONSULTANTS

LIONAKIS  
CONSULTANTS

LICENSE STAMPS

PROJECT NAME

**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

**WALL SECTIONS**

DRAWING STATUS

**WORKING DRAWINGS**

REVISIONS

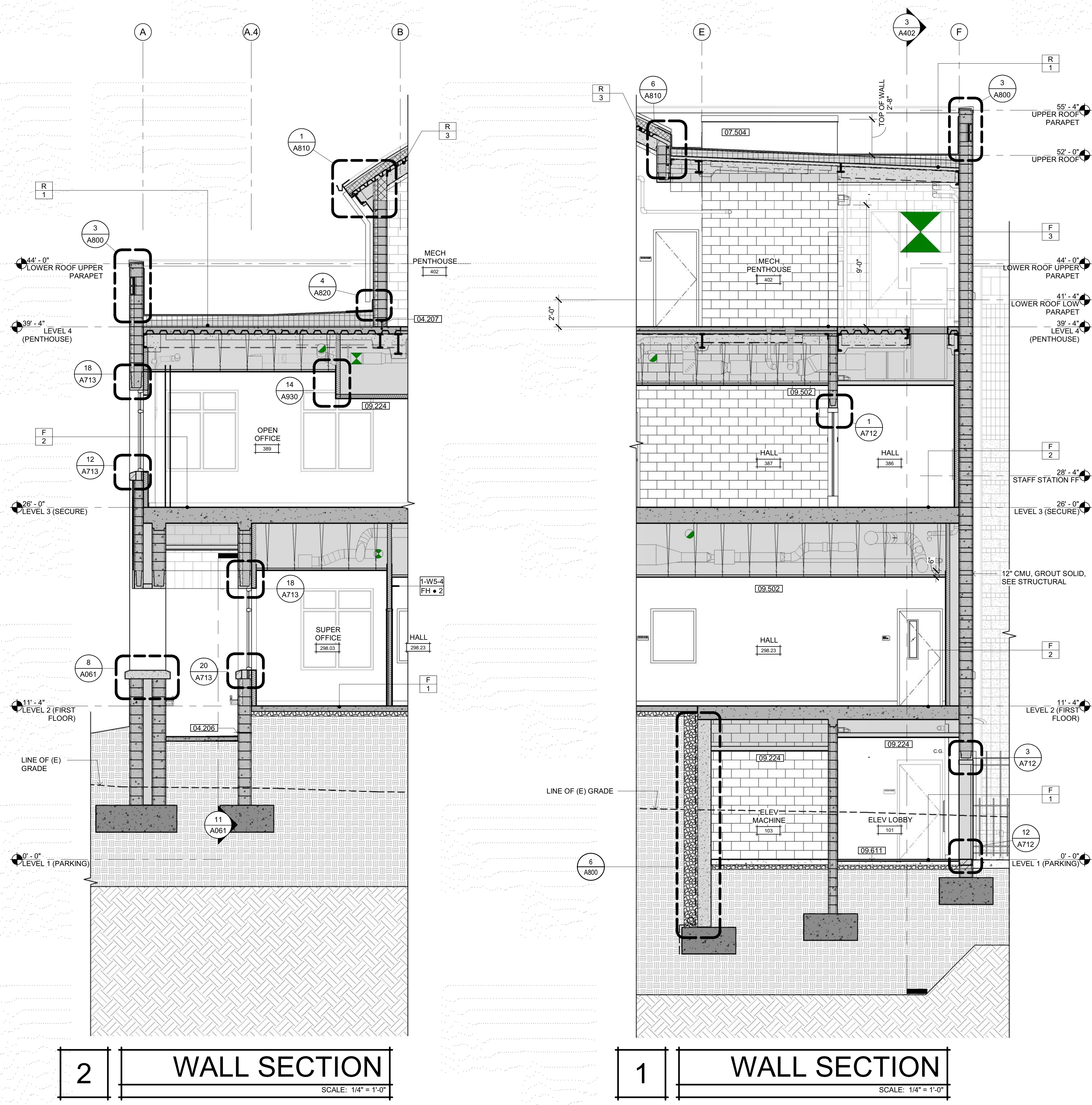
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.

## A412 V4

Plot Date: 9/20/2022 1:35:32 PM  
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**2 WALL SECTION**  
SCALE: 1/4" = 1'-0"

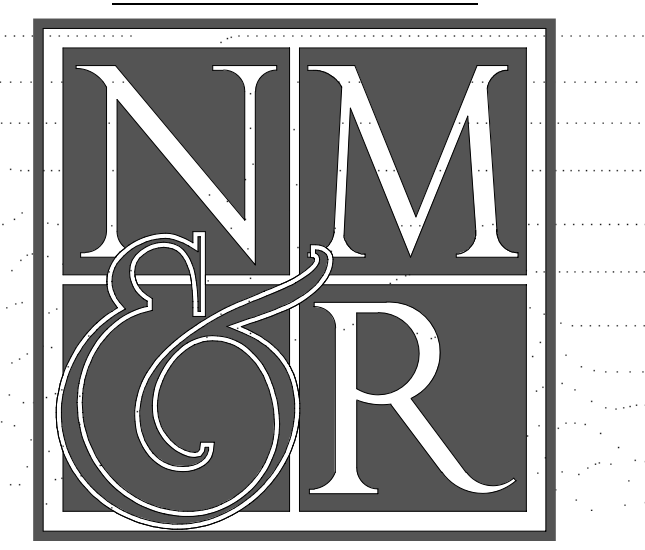
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SCALE: 1/4" = 1'-0"

**SHEET NOTES**

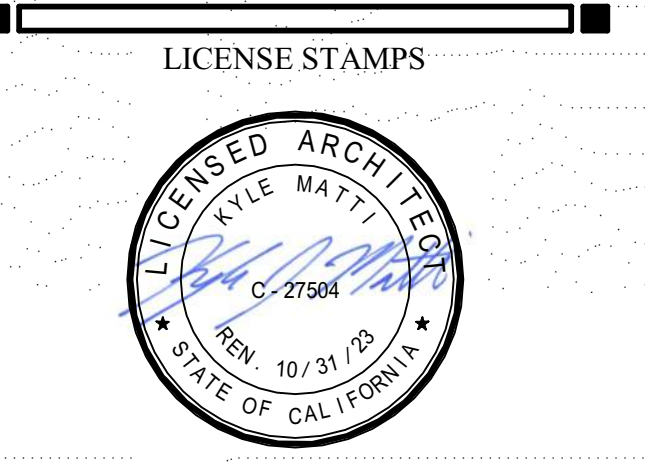
- NOTE: REFER TO FLOOR PLAN SHEETS FOR WALL ASSEMBLY TAGS
- 04.206 CMU WEEP
  - 04.207 GLUE DOWN WATERSTOP
  - 07.504 MEMBRANE ROOFING SYSTEM OVER CMU
  - 09.224 GYP BOARD CEILING/SOFFIT - SEE DETAIL C3/G120
  - 09.502 SUSPENDED ACOUSTICAL CEILING SYSTEM - SEE SHEET A930 & C3/G120
  - 09.611 RECESSED WALK-OFF METAL GRATE SYSTEM - SEE DETAIL 12/A820



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**LIONAKIS**  
CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**WALL SECTIONS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

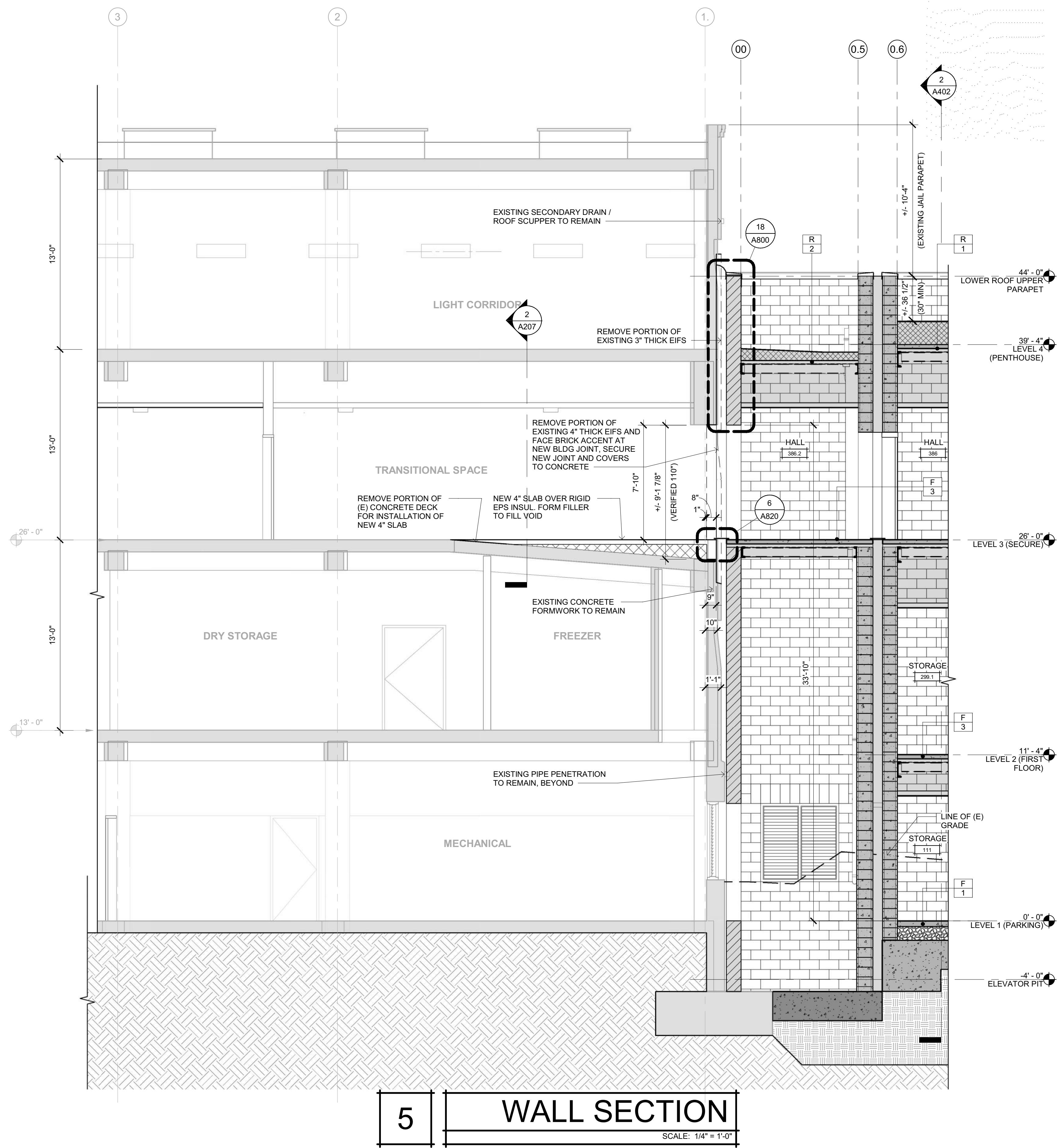
Delta	Description	Date

LEGEND

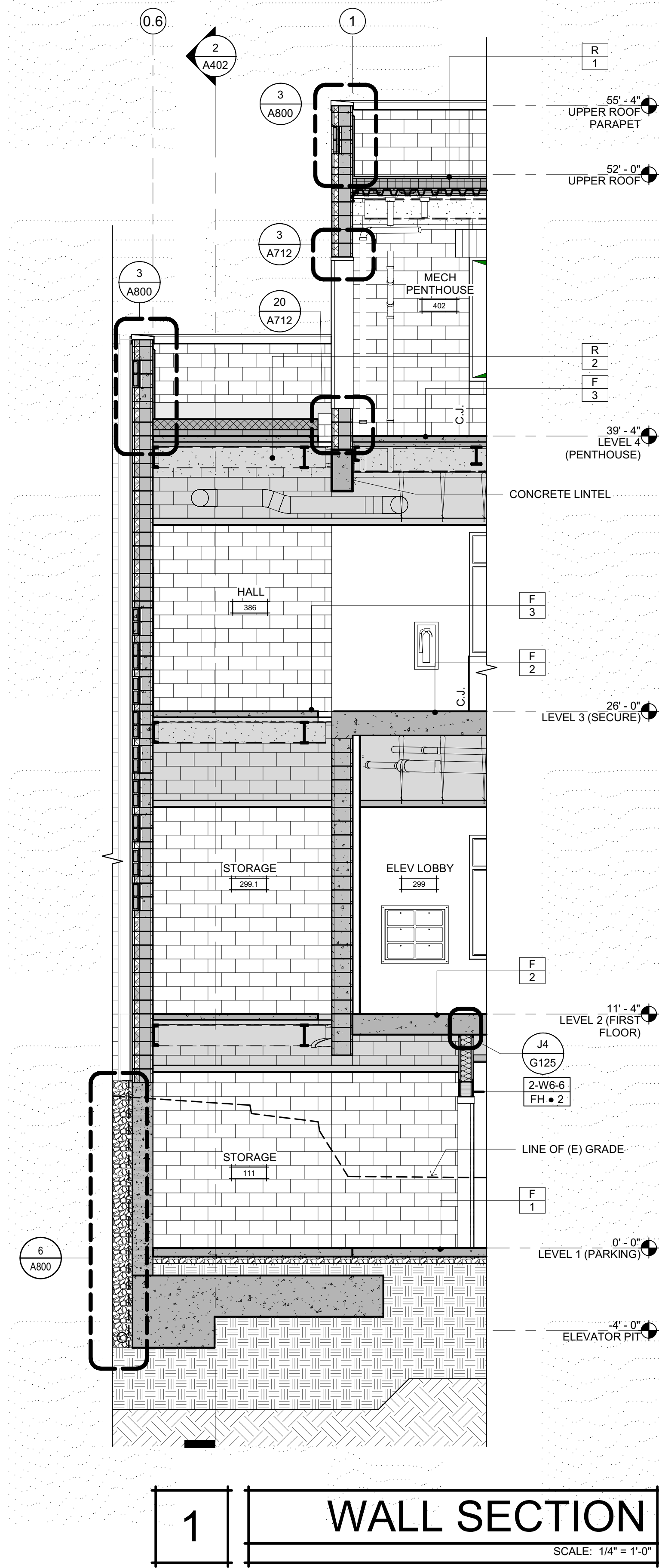
	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A413 V4**



**5** WALL SECTION  
SCALE: 1/4" = 1'-0"



**1** WALL SECTION  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

NOTE: REFER TO FLOOR PLAN SHEETS FOR WALL ASSEMBLY TAGS

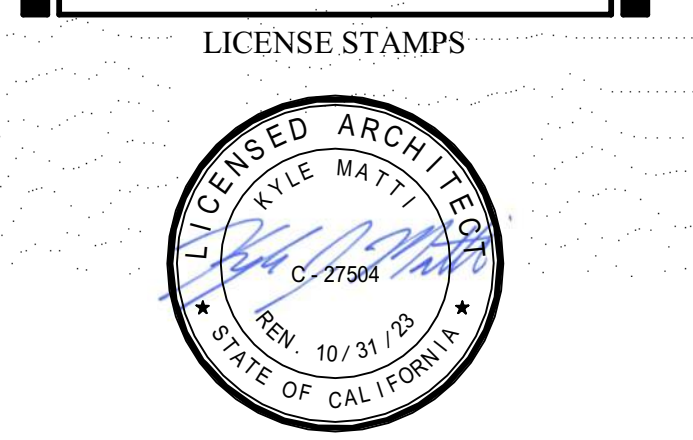


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**NICHOLS MELBURG & ROSSETTO**  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT

**LIONAKIS**  
CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**WALL SECTIONS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

**LEGEND**

	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

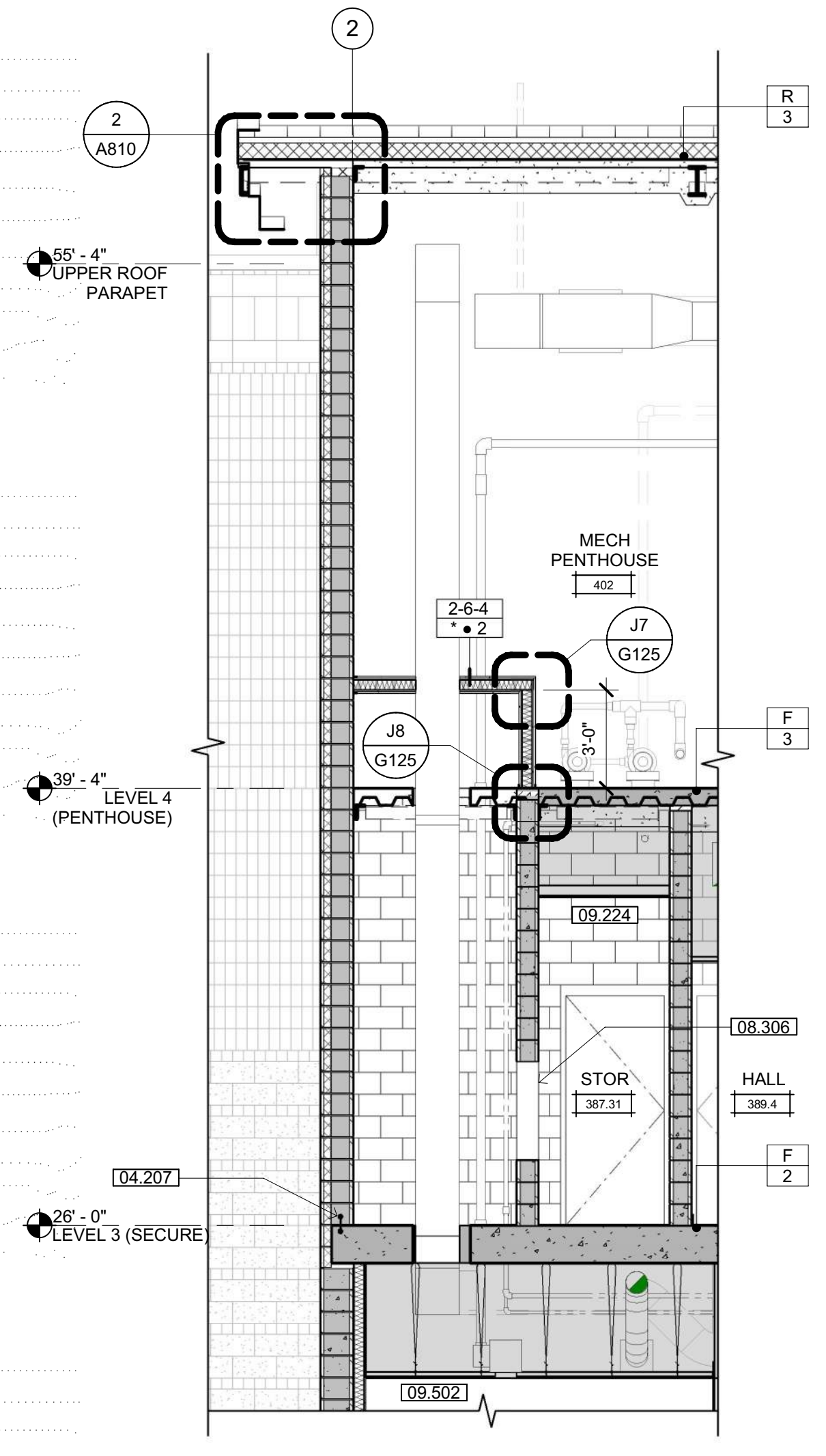
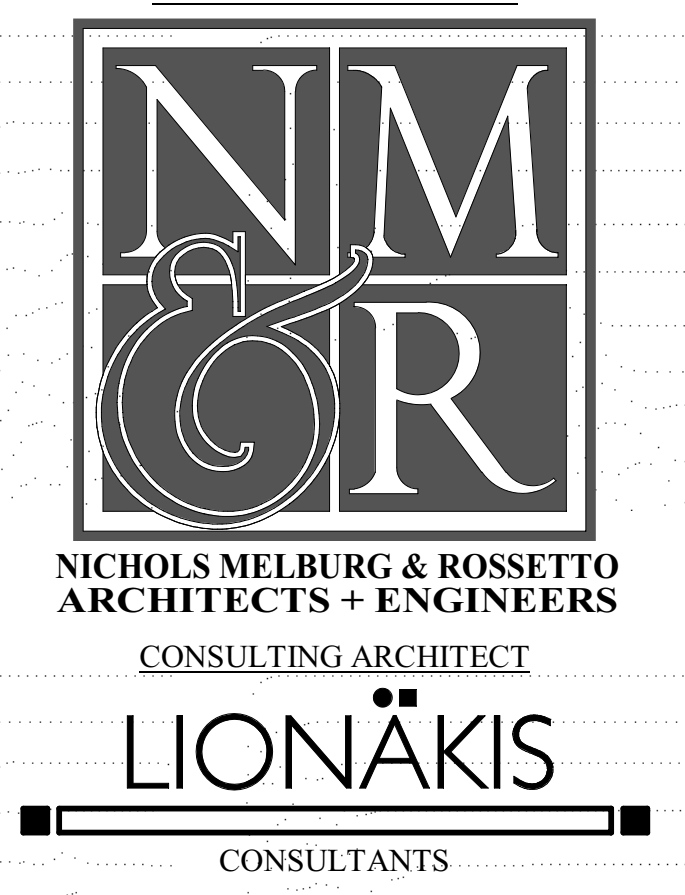
SHEET No.  
**A414 V4**

**SHEET NOTES**

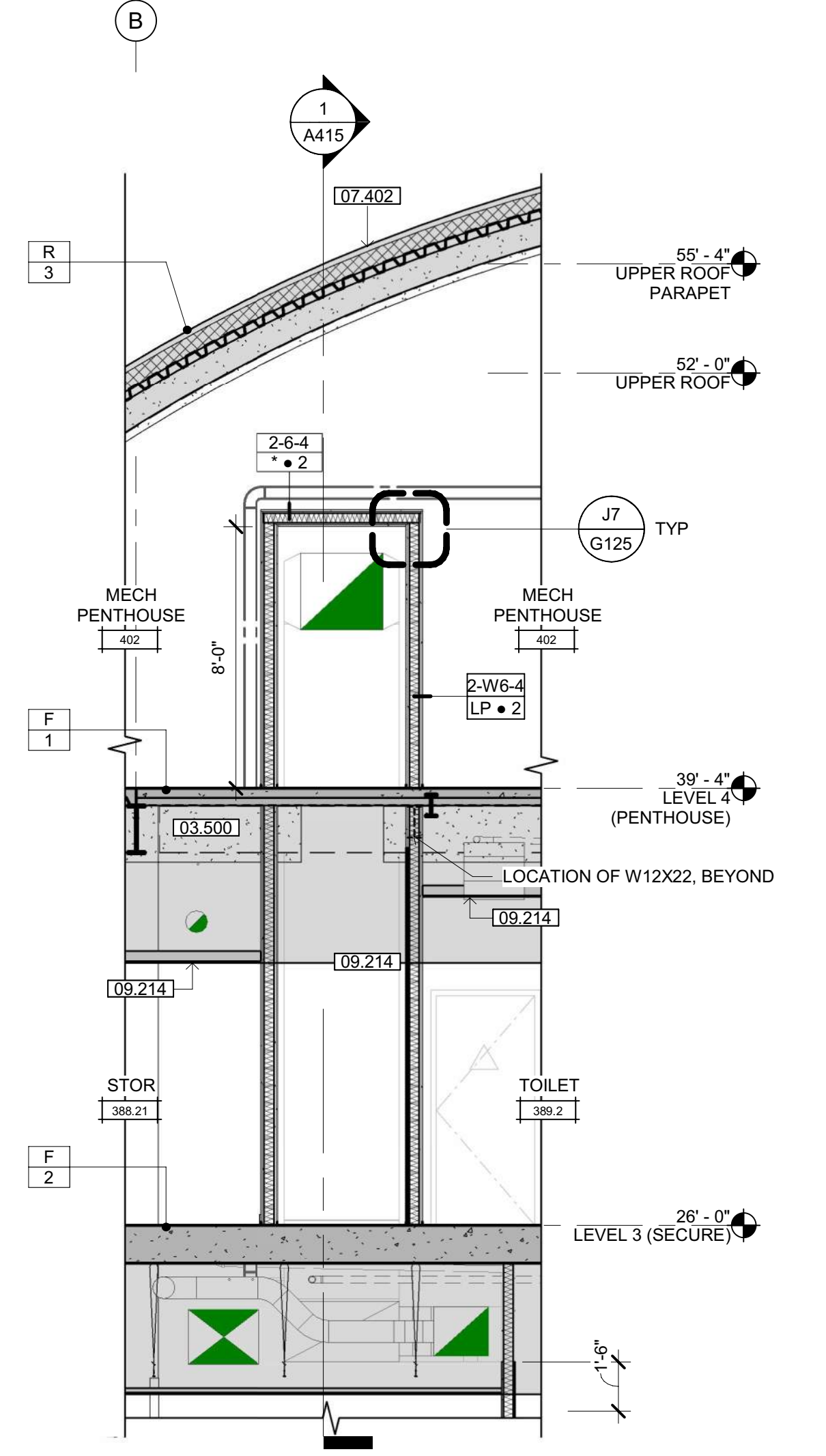
- NOTE: REFER TO FLOOR PLAN SHEETS FOR WALL ASSEMBLY TAGS
- 03.500 CONCRETE OVER METAL DECK
  - 04.207 GLUE DOWN WATERSTOP
  - 07.402 PREFINISHED METAL ROOFING PANEL, COLOR E
  - 08.306 FIRE RATED DETENTION GRADE 24" X 36" ACCESS PANEL
  - 09.214 GYPSUM BOARD, TYP
  - 09.224 GYP BOARD CEILING/SOFFIT - SEE DETAIL C1/G120
  - 09.502 SUSPENDED ACOUSTICAL CEILING SYSTEM - SEE SHEET A930 & C3/G120



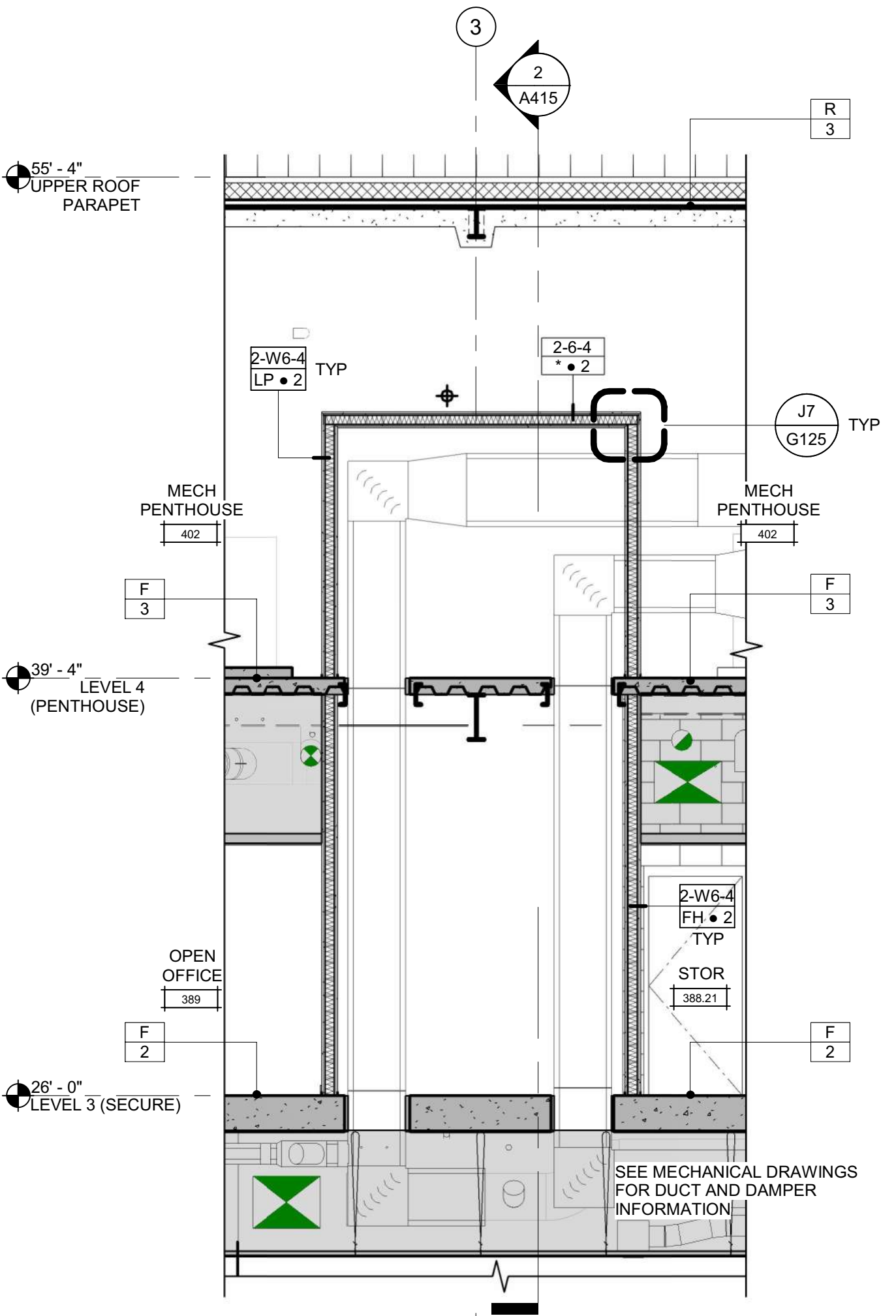
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**3 WALL SECTION**  
 SCALE: 1/4" = 1'-0"



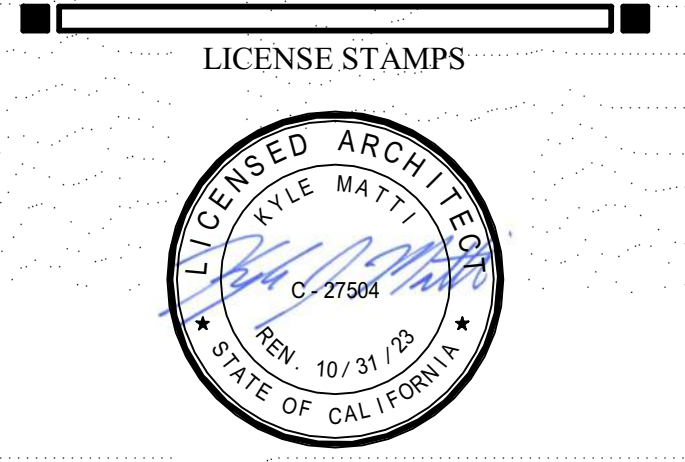
**2 WALL SECTION**  
 SCALE: 1/4" = 1'-0"



**1 WALL SECTION**  
 SCALE: 1/4" = 1'-0"

**LEGEND**

	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**WALL SECTIONS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

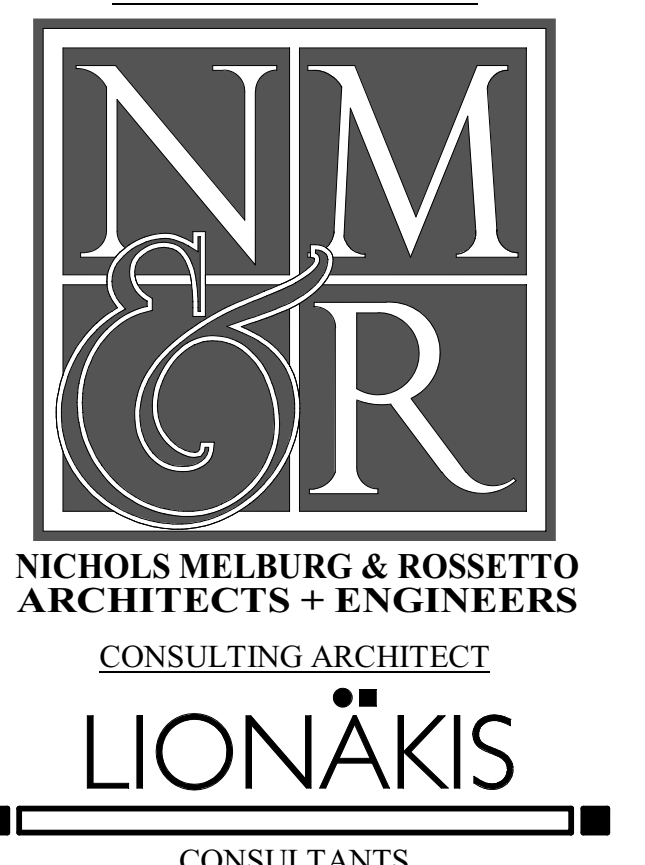
SHEET No.  
**A415 V4**

**SHEET NOTES**

- 06.410 SOLID SURFACE COUNTERTOP - SEE FINISH SCHEDULE
- 09.300 WALL TILE-SEE FINISH SCHEDULE AND DETAIL 10/A962
- 09.600 BASE - SEE FINISH SCHEDULE
- 10.102 ELECTRONIC MARKERBOARD - SEE DETAIL 12/A962, SIM
- 10.108 4'-0" X 4'-0" MARKERBOARD - SEE DETAIL 12/A962
- 10.210 SURFACE MOUNTED SOAP DISPENSER
- 10.211 SURFACE MOUNTED TOILET TISSUE DISPENSER
- 10.213 SURFACE MOUNTED TOILET SEAT COVER DISPENSER
- 10.215 SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
- 10.225 SURFACE MOUNTED COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
- 10.227 RECESSED COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
- 10.235 42" GRAB BAR - SEE DETAIL 8/G212
- 10.236 48" GRAB BAR - SEE DETAIL 8/G212
- 10.238 24"x30" MIRROR
- 10.242 METAL FRAMED MIRROR (WIDTH X HEIGHT AS INDICATED)
- 10.404 SEMI-RECESSED FIRE EXTINGUISHER & CABINET - SEE DETAIL 18/A970
- 10.408 TYPE K FIRE EXTINGUISHER & CABINET - SEE DETAIL 18 & 19/A970
- 11.404 REFRIGERATOR
- 22.402 SINK
- 22.405 ACCESSIBLE WALL MOUNTED TOILET
- 22.408 ACCESSIBLE WALL MOUNTED LAVATORY
- 22.424 HI-LO DRINKING FOUNTAIN-SEE DETAIL 8/A961
- 501



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**GENERAL NOTES**

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**INTERIOR ELEVATIONS - LEVEL 2**

DRAWING STATUS

**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	ON
Date Issued	09.19.2022
Scale	1/4" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A500 V4**



**INTERIOR ELEV. LEGEND**

- (X) SIGNAGE TAG - SEE SHEETS A271, A272, A273, A274
- #### DOOR TAG - SEE SCHEDULE, SHEET A710
- ◇ WINDOW TAG - SEE SCHEDULE, SHEET A720
- GYPSUM BOARD
- ACOUSTIC FABRIC PANEL - COLOR 1 - SEE FINISH SCHEDULE
- TACKBOARD OVER GYPSUM BOARD
- FIBER REINFORCED PLASTIC (FRP)
- CERAMIC TILE - SEE DETAIL 10/A962 FOR PATTERN
- CMU
- RESINOUS WALL SURFACING
- INSULATED CMU - 4" SCORES

# SHEET NOTES

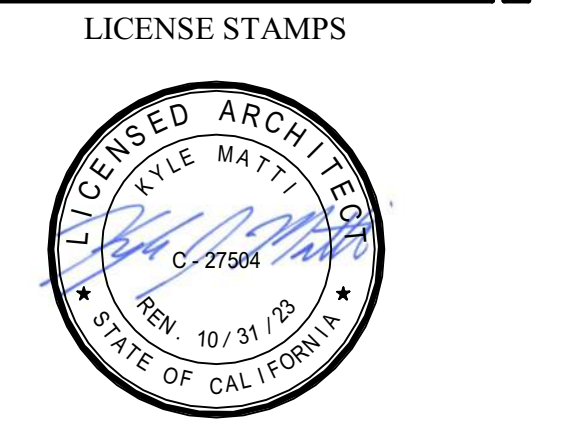
- 06.413 PLASTIC LAMINATE - SEE FINISH SCHEDULE
- 08.305 DETENTION GRADE ACCESS PANEL
- 09.300 WALL TILE-SEE FINISH SCHEDULE AND DETAIL 10/A962
- 09.802 SOUND PANELS
- 10.201 EXTERIOR DETENTION MODESTY SCREEN - SEE DETAIL 2/A961
- 10.210 SURFACE MOUNTED SOAP DISPENSER
- 10.211 SURFACE MOUNTED TOILET TISSUE DISPENSER
- 10.213 SURFACE MOUNTED TOILET SEAT COVER DISPENSER
- 10.215 SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
- 10.225 SURFACE MOUNTED COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
- 10.235 42" GRAB BAR - SEE DETAIL 8/G212
- 10.236 48" GRAB BAR - SEE DETAIL 8/G212
- 10.238 24"X30" MIRROR
- 10.259 TYPICAL MODESTY SCREEN - SEE DETAIL 11/A961
- 10.262 42" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.263 48" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.265 WALL MOUNTED DETENTION MIRROR - SEE DETAIL 15/A961
- 10.271 TUBULAR SKYLIGHT DIFFUSER ATTACHMENT - SEE DETAIL 4 & 5/A931
- 10.513 DETENTION HOOK STRIP
- 11.405 UNDERCOUNTER REFRIGERATOR
- 11.427 UNDERCOUNTER MINI REFRIGERATOR
- 12.505 FULLY WELDED STEEL DOUBLE BUNK WITH PROPERTY CUBBY - SEE DETAIL 1/A962
- 12.509 WALL MOUNTED DETENTION URINAL
- 22.402 SINK
- 22.405 ACCESSIBLE WALL MOUNTED TOILET
- 22.408 ACCESSIBLE WALL MOUNTED LAVATORY
- 22.418 FLOOR MOUNTED SINK
- 22.420 DETENTION FLOOR MOUNTED TOILET
- 22.421 DETENTION WALL HUNG SINK
- 22.427 ACCESSIBLE COMBINATION TOILET-LAVATORY
- 22.430 WALL MOUNTED HOT WATER DISPENSER
- 22.431 WALL HUNG DETENTION DRINKING FOUNTAIN
- 22.433 ACCESSIBLE DETENTION FLOOR MOUNTED TOILET
- 28.104 WALL MOUNTED VIDEO VISITATION, OFCI



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# GENERAL NOTES



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

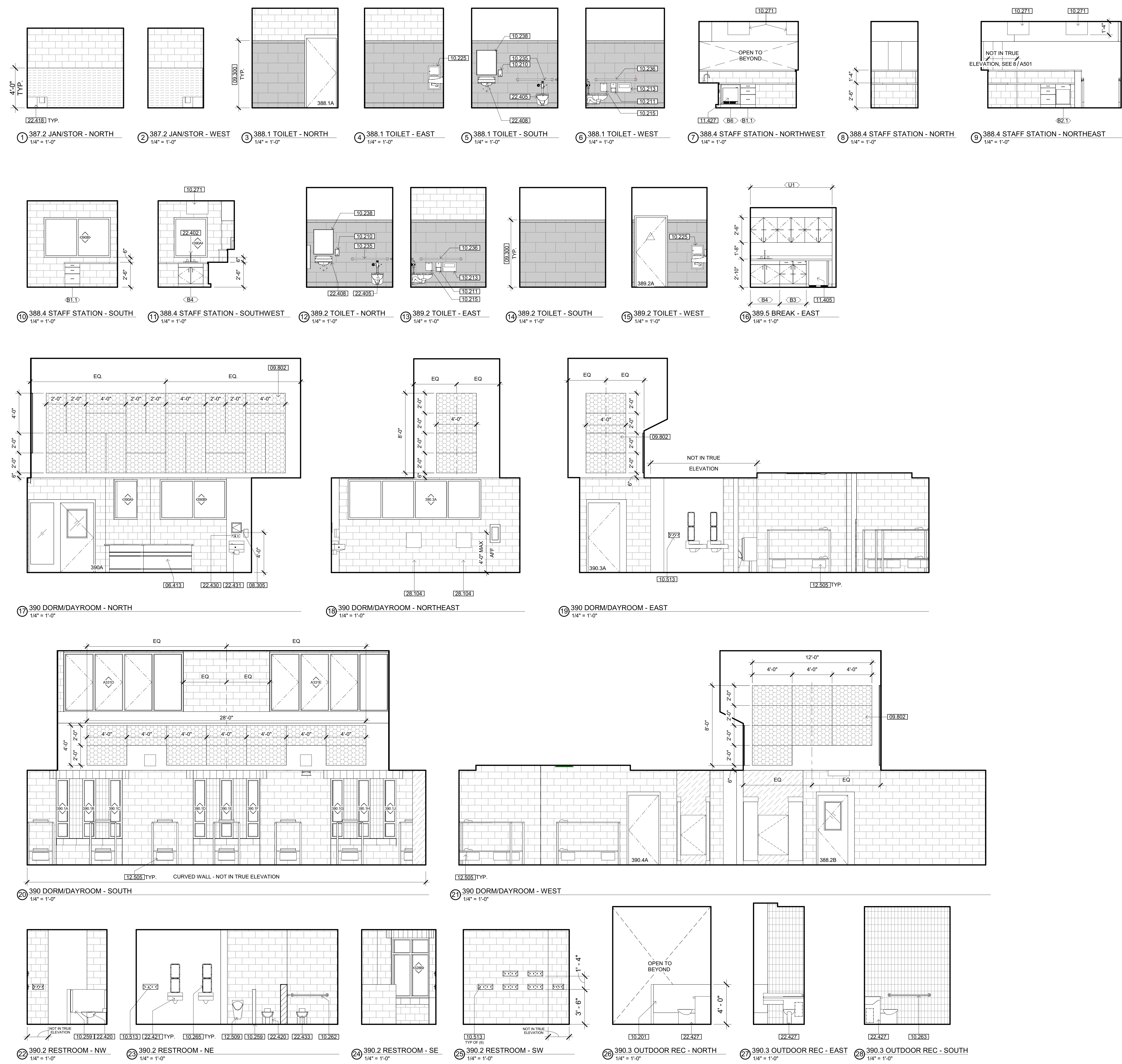
# INTERIOR ELEVATIONS - LEVEL 3

# WORKING DRAWINGS

REVISIONS		
Delta	Description	Date

Drawn By: ON  
 Date Issued: 09.19.2022  
 Scale: 1/4" = 1'-0"  
 Project No.: 16-6421.00

# SHEET No. A501 V4



# INTERIOR ELEV. LEGEND

- (X) SIGNAGE TAG - SEE SHEETS A271, A272, A273, A274
- #### DOOR TAG - SEE SCHEDULE, SHEET A710
- ◇ WINDOW TAG - SEE SCHEDULE, SHEET A720
- GYPSUM BOARD
- ACOUSTIC FABRIC PANEL - COLOR 1 - SEE FINISH SCHEDULE
- TACKBOARD OVER GYPSUM BOARD
- FIBER REINFORCED PLASTIC (FRP)
- CERAMIC TILE - SEE DETAIL 10/A962 FOR PATTERN
- CMU
- RESINOUS WALL SURFACING
- INSULATED CMU - 4" SCORES

SHEET NOTES

- 08.305 DETENTION GRADE ACCESS PANEL
- 09.802 SOUND PANELS
- 10.201 EXTERIOR DETENTION MODESTY SCREEN - SEE DETAIL 2/A961
- 10.259 TYPICAL MODESTY SCREEN - SEE DETAIL 11/A961
- 10.260 24" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.262 42" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.263 48" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.265 WALL MOUNTED DETENTION MIRROR - SEE DETAIL 15/A961
- 10.270 NON-ACCESSIBLE SECURITY SOLID PLASTIC TOILET PARTITION & DOOR - SEE DETAILS 3, 4, 6 & 7/A962
- 10.272 48" MODIFIED SECURITY GRAB BAR - SEE DETAIL 15/A970
- 10.273 44" SECURITY GRAB BAR, FIELD VERIFY LENGTH TO MEET ADA REQUIREMENTS - SEE DETAIL 2 & 11/A970
- 10.274 48" SECURITY GRAB BAR, FIELD VERIFY LENGTH TO MEET ADA REQUIREMENTS - SEE DETAIL 2 & 11/A970
- 10.275 ACCESSIBLE SECURITY SOLID PLASTIC SHOWER PARTITION & DOOR - SEE DETAILS 3, 4, 5 & 7/A962
- 10.406 WALL MOUNTED SECURITY FIRE EXTINGUISHER & CABINET
- 11.608 WALL MOUNTED TELEVISION & BRACKET
- 12.505 FULLY WELDED STEEL DOUBLE BUNK WITH PROPERTY CUBBY - SEE DETAIL 1/A962
- 22.404 RECESSED SECURITY SHOWER AND CONTROLS
- 22.418 FLOOR MOUNTED SINK
- 22.420 DETENTION FLOOR MOUNTED TOILET
- 22.421 DETENTION WALL HUNG SINK
- 22.430 WALL MOUNTED HOT WATER DISPENSER
- 22.431 WALL HUNG DETENTION DRINKING FOUNTAIN
- 22.432 REMOTE SHOWER CONTROLS
- 22.433 ACCESSIBLE DETENTION FLOOR MOUNTED TOILET
- 28.104 WALL MOUNTED VIDEO VISITATION, OFCI



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GENERAL NOTES



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
INTERIOR ELEVATIONS - LEVEL 3

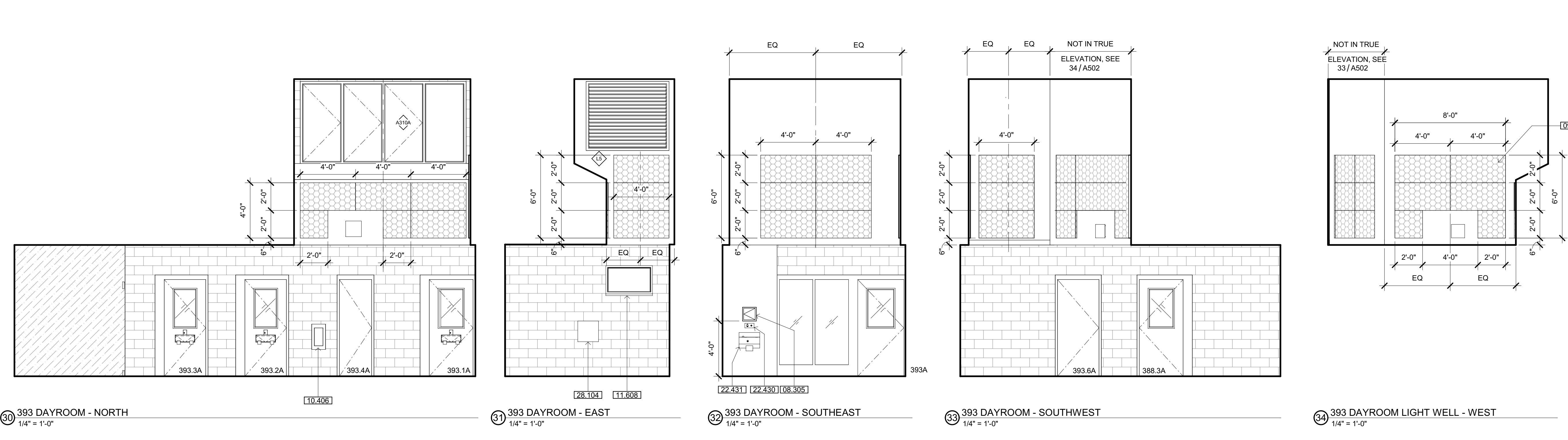
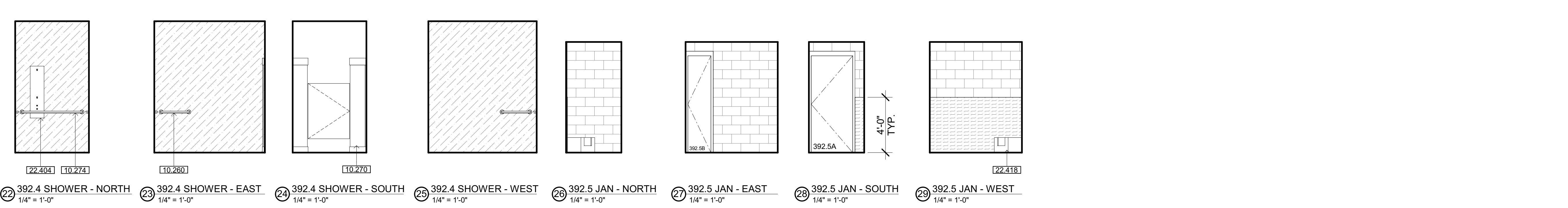
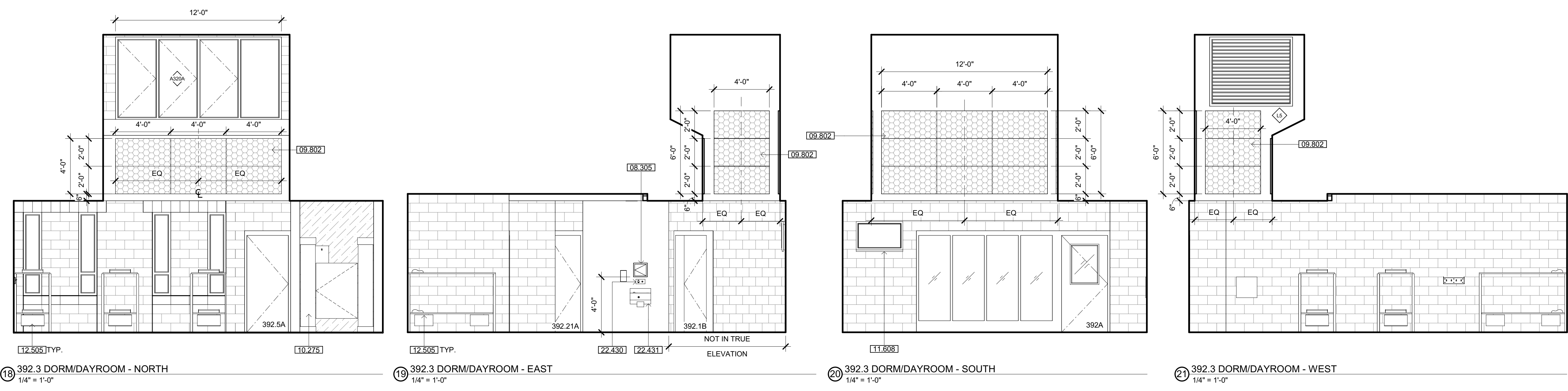
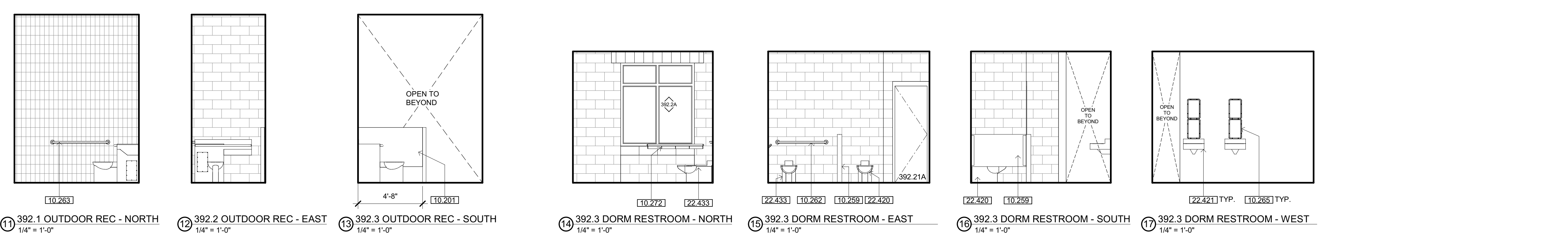
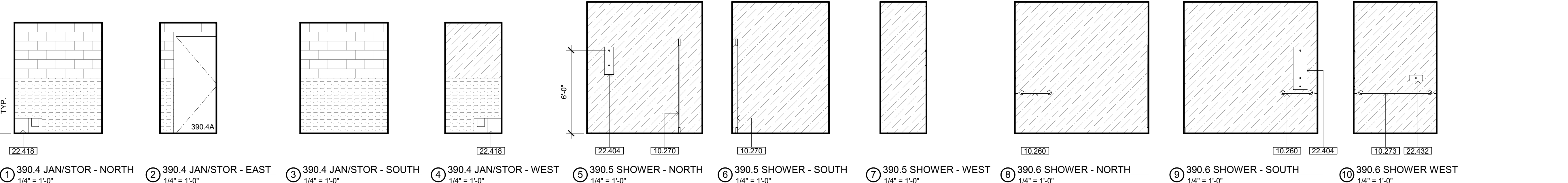
DRAWING STATUS  
WORKING DRAWINGS

REVISIONS

Delta	Description	Date

Drawn By	ON
Date Issued	09.19.2022
Scale	1/4" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A502 V4**



INTERIOR ELEV. LEGEND

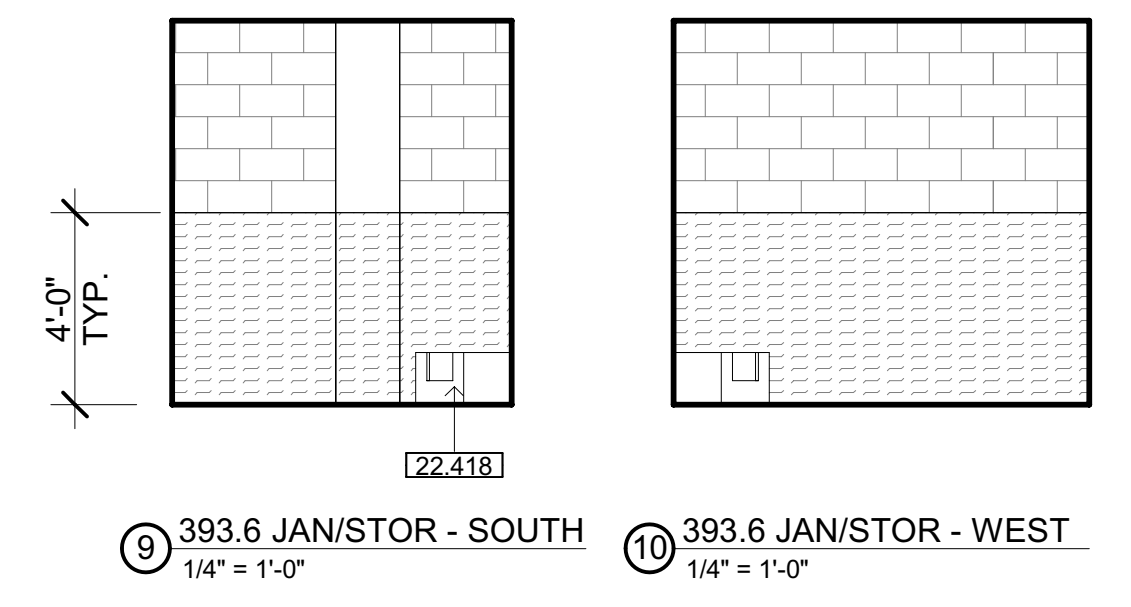
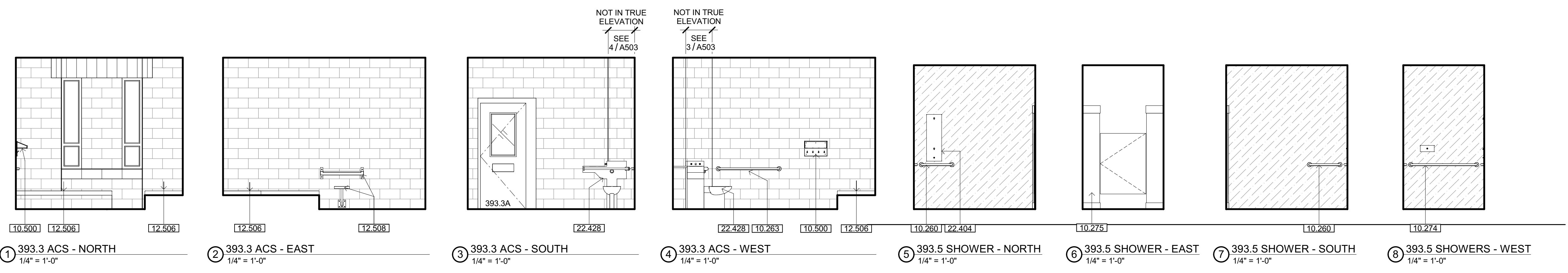
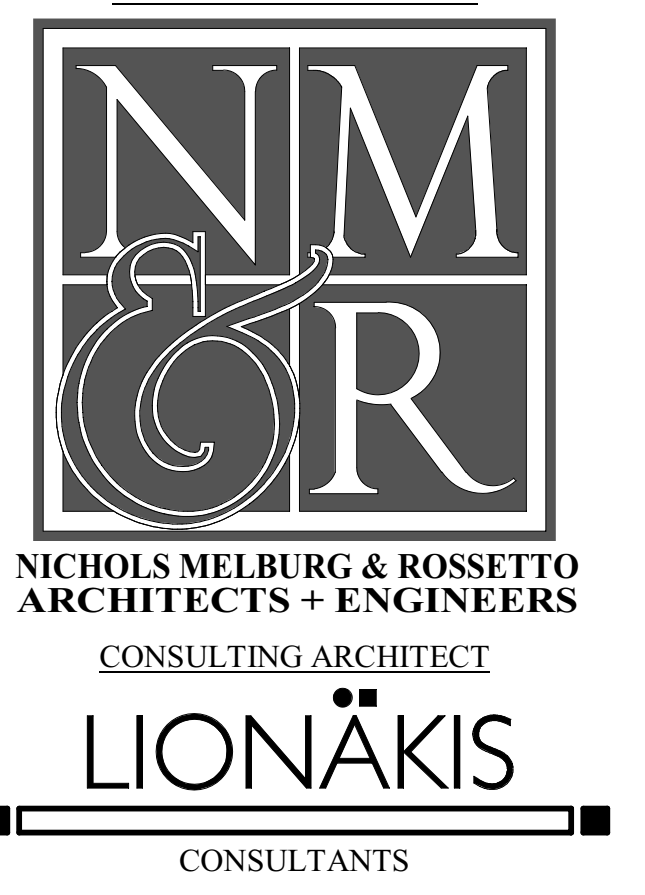
- (X) SIGNAGE TAG - SEE SHEETS A271, A272, A273, A274
- #### DOOR TAG - SEE SCHEDULE, SHEET A710
- ◇ WINDOW TAG - SEE SCHEDULE, SHEET A720
- [Blank Box] GYPSUM BOARD
- [Patterned Box] ACOUSTIC FABRIC PANEL - COLOR 1 - SEE FINISH SCHEDULE
- [Patterned Box] TACKBOARD OVER GYPSUM BOARD
- [Patterned Box] FIBER REINFORCED PLASTIC (FRP)
- [Patterned Box] CERAMIC TILE - SEE DETAIL 10/A962 FOR PATTERN
- [Patterned Box] CMU
- [Patterned Box] RESINOUS WALL SURFACING
- [Patterned Box] INSULATED CMU - 4" SCORES

**SHEET NOTES**

- 10.260 24" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.263 48" SECURITY GRAB BAR - SEE DETAIL 2 & 11/A970
- 10.274 41-5/2" SECURITY GRAB BAR, FIELD VERIFY LENGTH TO MEET ADA REQUIREMENTS - SEE DETAIL 2 & 11/A970
- 10.275 ACCESSIBLE SECURITY SOLID PLASTIC SHOWER PARTITION & DOOR - SEE DETAILS 3, 4, 5 & 7/A962
- 12.500 STAINLESS STEEL SHELF WITH HANGER HOOKS
- 12.506 CONCRETE BUNK - SEE DETAIL 3/A961
- 12.508 ACCESSIBLE BUILT-IN DESK & STOOL - SEE DETAILS 1 & 12/A961
- 22.404 RECESSED SECURITY SHOWER AND CONTROLS
- 22.418 FLOOR MOUNTED SINK
- 22.428 ACCESSIBLE COMBINATION TOILET-LAVATORY - 45 DEGREE MOUNT



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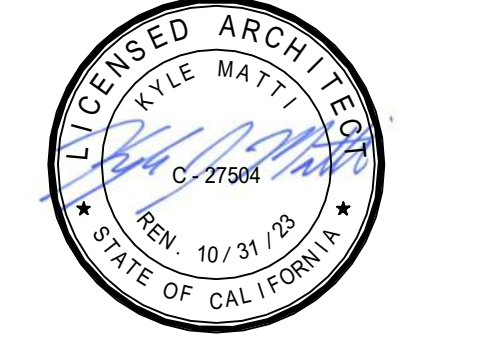
**GENERAL NOTES**

GENERAL NOTES

**INTERIOR ELEV. LEGEND**

- (X) SIGNAGE TAG - SEE SHEETS A271, A272, A273, A274
- #### DOOR TAG - SEE SCHEDULE, SHEET A710
- ◇ WINDOW TAG - SEE SCHEDULE, SHEET A720
- [Blank Box] GYPSUM BOARD
- [Patterned Box] ACOUSTIC FABRIC PANEL - COLOR 1 - SEE FINISH SCHEDULE
- [Patterned Box] TACKBOARD OVER GYPSUM BOARD
- [Patterned Box] FIBER REINFORCED PLASTIC (FRP)
- [Patterned Box] CERAMIC TILE - SEE DETAIL 10/A962 FOR PATTERN
- [Patterned Box] CMU
- [Patterned Box] RESINOUS WALL SURFACING
- [Patterned Box] INSULATED CMU - 4" SCORES

**LICENSE STAMPS**



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**INTERIOR ELEVATIONS -  
 LEVEL 3**

DRAWING STATUS  
**WORKING DRAWINGS**

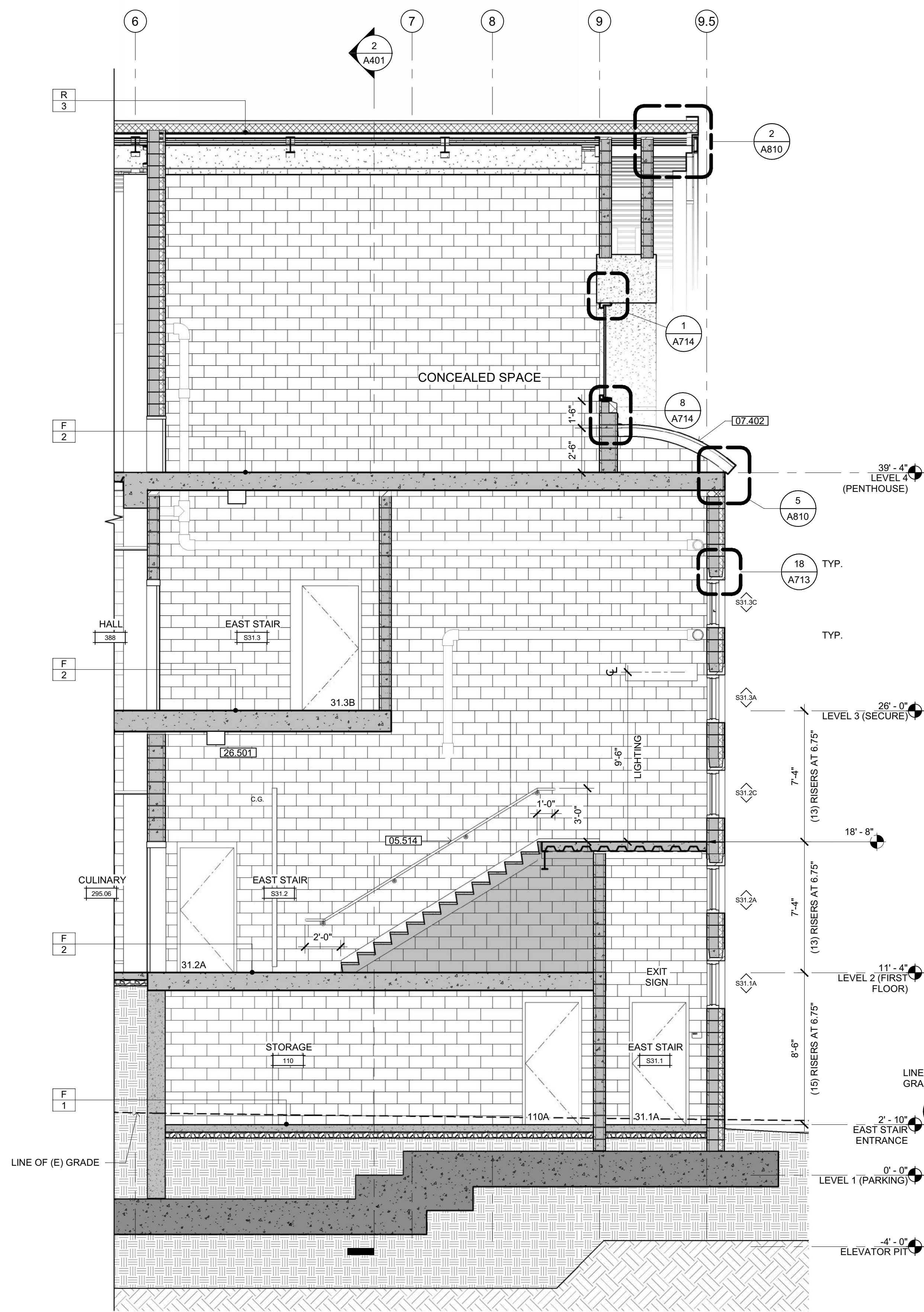
REVISIONS

Delta	Description	Date

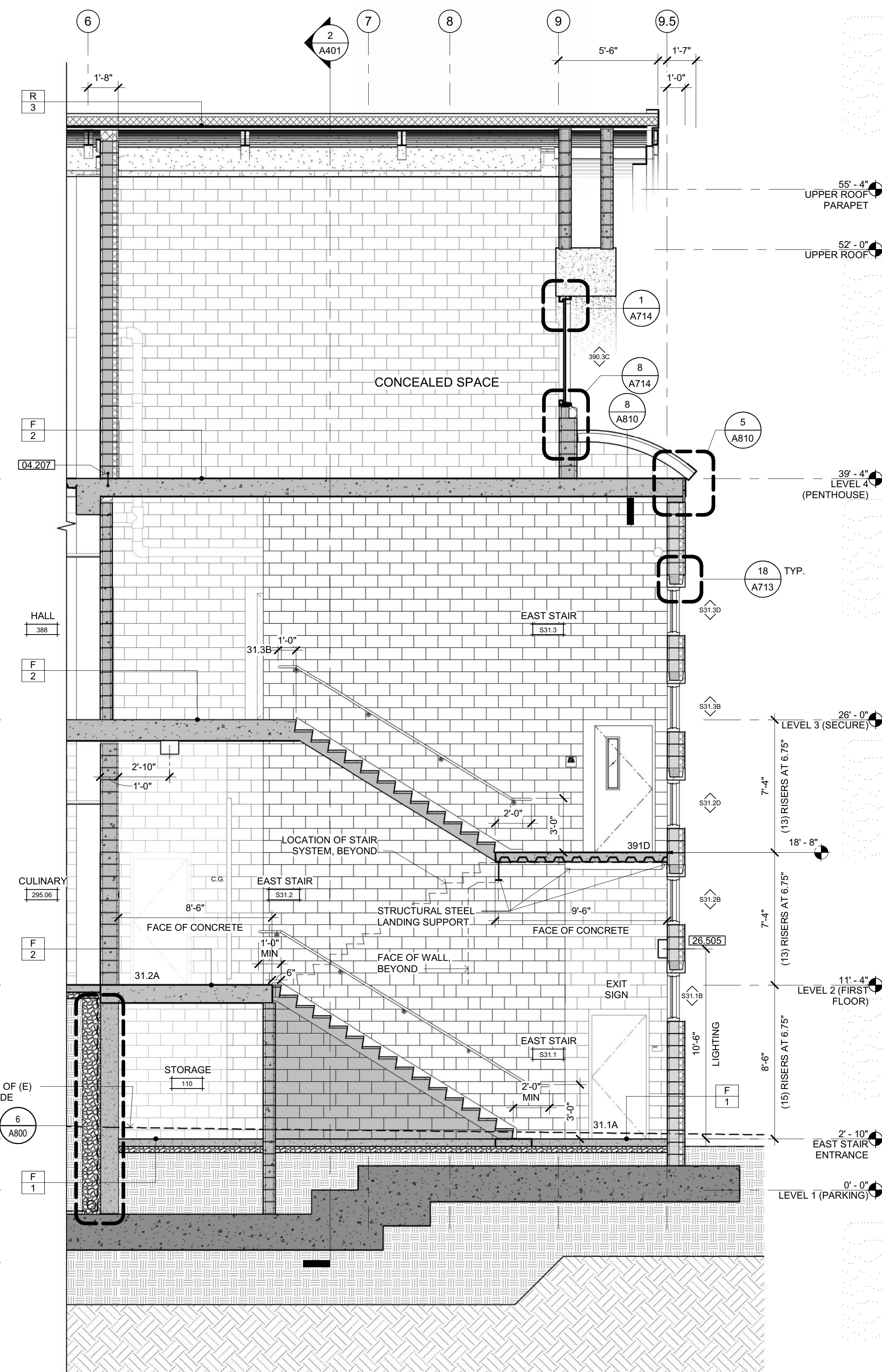
Drawn By	CDS
Date Issued	09.19.2022
Scale	1/4" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A503 V4**

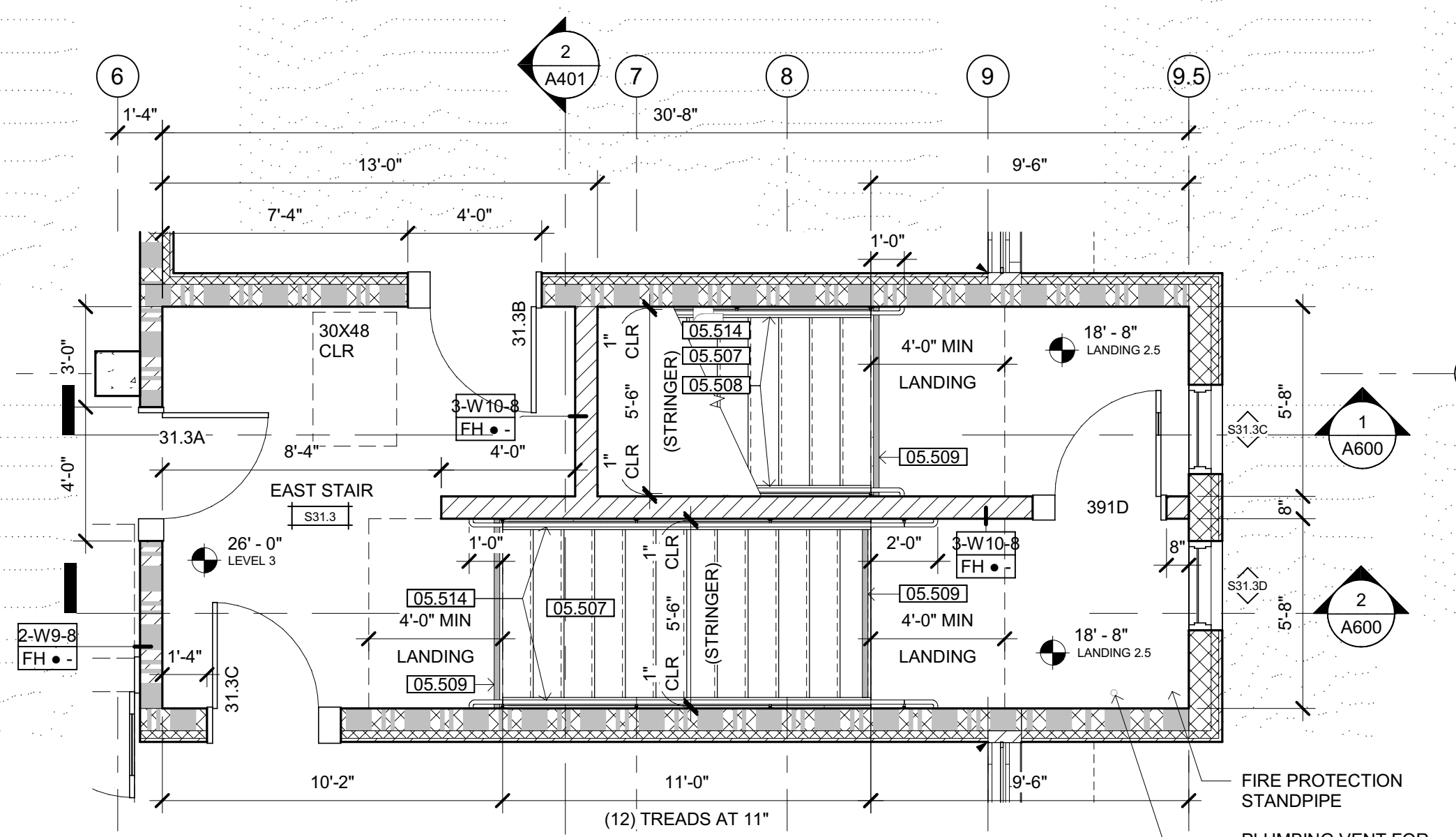




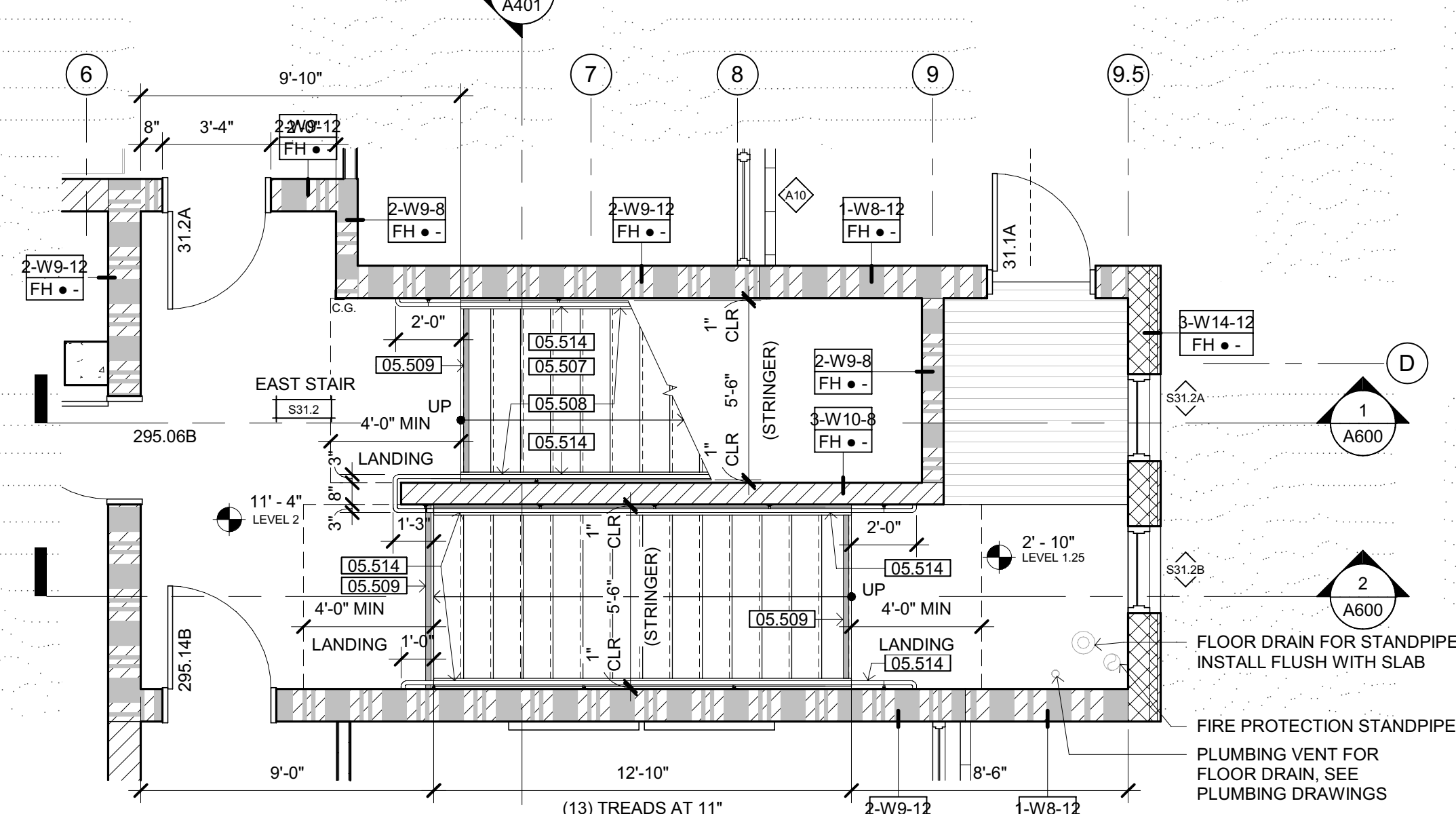
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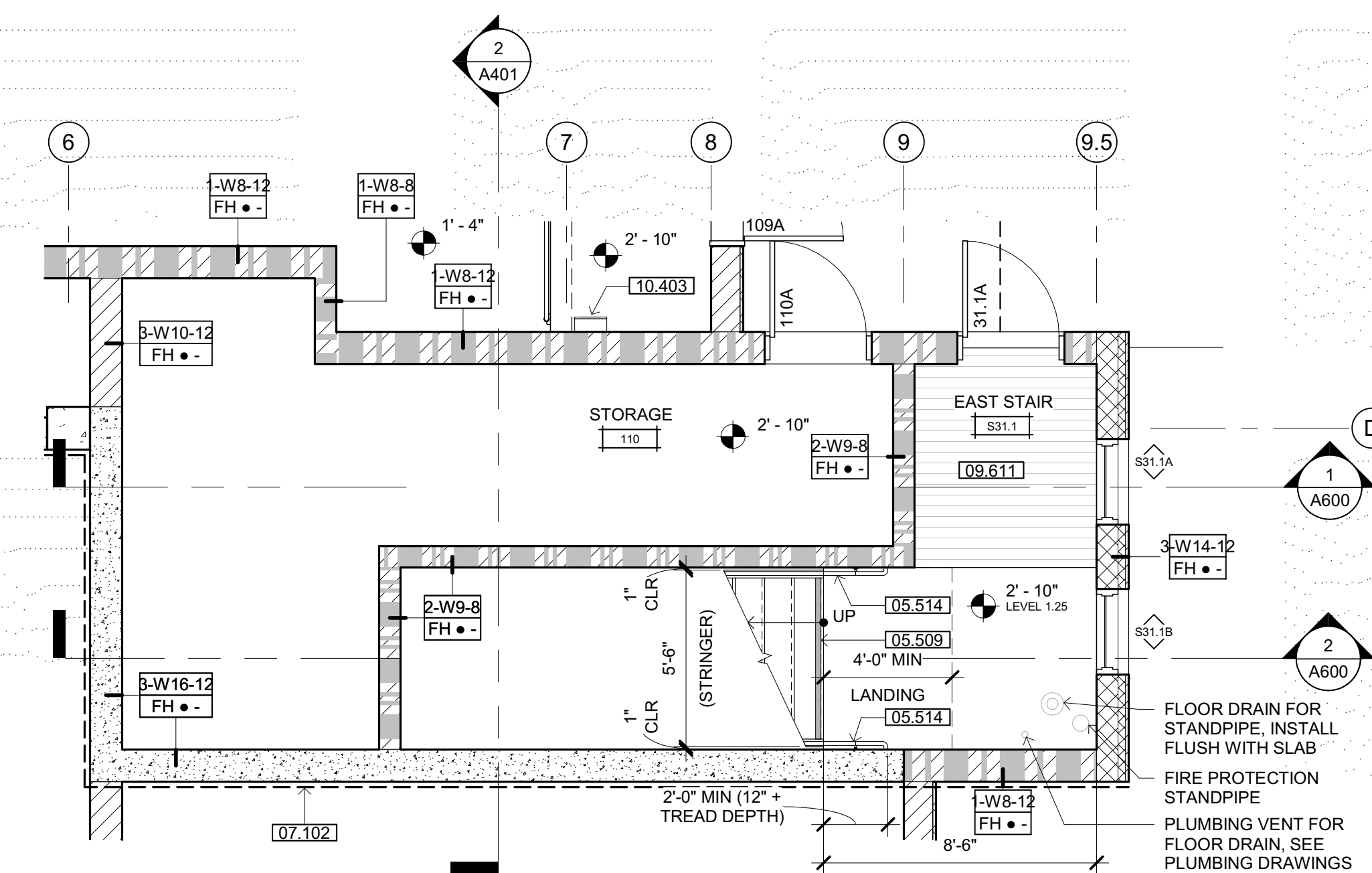
**2 EAST STAIR SECTION**  
SCALE: 1/4" = 1'-0"



**EAST STAIR PLAN LEVEL 3**  
SCALE: 1/4" = 1'-0"



**EAST STAIR PLAN LEVEL 2**  
SCALE: 1/4" = 1'-0"



**EAST STAIR PLAN LEVEL 1**  
SCALE: 1/4" = 1'-0"

SHEET NOTES	
04.207	GLUE DOWN WATERSTOP
05.507	CONCRETE FILLED STEEL STAIR PAN
05.508	STAIR STRINGER
05.509	2" WIDE CONTRASTING STRIPE WITHIN 1" OF NOSE EDGE AT TOP AND BOTTOM TREADS OF EACH STAIR RUN-MINIMUM OF 70% COLOR CONTRAST
05.514	HANDRAIL ON WALL
07.102	SELF-ADHERED SHEET WATERPROOFING
07.402	PREFINISHED METAL ROOFING PANEL: COLOR E
09.611	RECESSED WALK-OFF METAL GRATE SYSTEM - SEE DETAIL 12/A820
10.403	SURFACE MOUNTED FIRE EXTINGUISHER & CABINET - SEE DETAIL 19/A970
26.501	LIGHT FIXTURE-SEE ELECTRICAL DRAWINGS
26.505	WALL MOUNTED LIGHT FIXTURE - SMOOTH FACE BLOCK WHERE MOUNT OCCURS

LEGEND	
	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL

OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY

Approval of these plans by the State Fire Marshal authorizes or approves the construction of the project. This approval is subject to field inspection. The set of approved plans shall be available on the project site at all times.

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ARCHITECT OF RECORD

NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT

LIONAKIS  
CONSULTANTS

LICENSE STAMPS

PROJECT NAME

**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**EAST STAIR SECTIONS  
AND ENLARGED FLOOR  
PLANS**

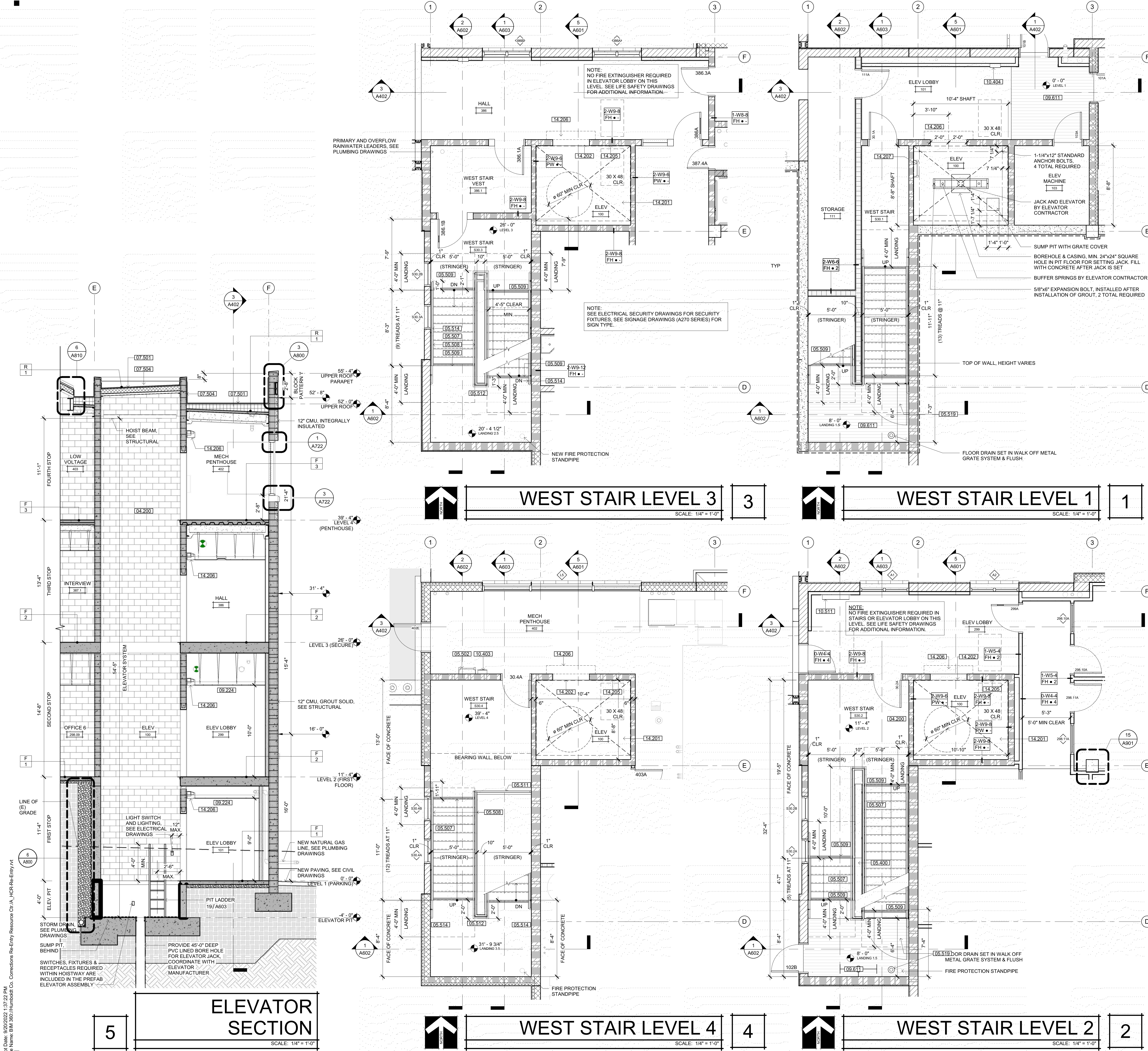
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	KIP
Date Issued	09.19.2022
Scale	1/4" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A600 V4**

Plot Date: 9/20/2022 13:37:11 PM  
Name: D:\16\6421\16-6421.dwg  
Connections: Re-Entry Resources Ctr.A\_MCR-Re-Entry.rvt



### SHEET NOTES

- 04.200 CMU
- 05.400 METAL FRAMING
- 05.502 ACCESS LADDER
- 05.507 CONCRETE FILLED STEEL STAIR PAN
- 05.508 STAIR STRINGER
- 05.509 2" WIDE CONTRASTING STRIPE WITHIN 1' OF NOSE EDGE AT TOP AND BOTTOM TREADS OF EACH STAIR RUN-MINIMUM OF 70% COLOR CONTRAST
- 05.511 GUARDRAIL - SEE DETAIL 16/A061
- 05.512 GUARD WITH HANDRAIL
- 05.514 HANDRAIL ON WALL
- 05.519 WALL MOUNT (BELOW HANDRAIL) SELF CLOSING EGRESS INTERRUPTION GATE WITH PHOTOLUMINESCENT "NO EXIT" SIGN
- 07.501 MEMBRANE ROOFING SYSTEM OVER RIGID INSULATION
- 07.504 MEMBRANE ROOFING SYSTEM OVER CMU
- 09.224 GYP BOARD CEILING/SOFFIT - SEE DETAIL C1/G120
- 09.611 RECESSED WALK-OFF METAL GRATE SYSTEM - SEE DETAIL 12/A820
- 10.403 SURFACE MOUNTED FIRE EXTINGUISHER & CABINET - SEE DETAIL 19/A970
- 10.404 SEMI-RECESSED FIRE EXTINGUISHER & CABINET - SEE DETAIL 19/A970
- 10.511 SURFACE MOUNTED WEAPONS LOCKER
- 14.201 ELEVATOR CAR - SEE 17/A603
- 14.202 ELEVATOR ENTRANCE - SEE 14/A603
- 14.205 ELEVATOR CONTROL PANEL - SEE 18/A603
- 14.206 WALL MOUNTED SMOKE CURTAIN - FLUSH WITH CEILING WHERE CEILING OCCURS, SEE DETAIL 20/A603
- 14.207 ELEVATOR PIT LADDER - SEE 19/A603

NOTE: NO FIRE EXTINGUISHER REQUIRED IN ELEVATOR LOBBY ON THIS LEVEL. SEE LIFE SAFETY DRAWINGS FOR ADDITIONAL INFORMATION.

NOTE: ELECTRICAL SECURITY DRAWINGS FOR SECURITY FIXTURES. SEE SIGNAGE DRAWINGS (A270 SERIES) FOR SIGN TYPE.

NOTE: NO FIRE EXTINGUISHER REQUIRED IN STAIRS OR ELEVATOR LOBBY ON THIS LEVEL. SEE LIFE SAFETY DRAWINGS FOR ADDITIONAL INFORMATION.

NOTE: PROVIDE 45° DEEP PVC LINED BORE HOLE FOR ELEVATOR JACK, COORDINATE WITH ELEVATOR MANUFACTURER.

OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY

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ARCHITECT OF RECORD

NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT

LIONAKIS  
CONSULTANTS

---

LICENSE STAMPS

PROJECT NAME

**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

**WEST STAIR &  
ELEVATOR ENLARGED  
FLOOR PLANS**

DRAWING STATUS

**WORKING DRAWINGS**

---

REVISIONS

Delta	Description	Date

---

LEGEND

	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL

---

Drawn By	KIP
Date Issued	09.19.2022
Scale	1/4" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A601 V4**

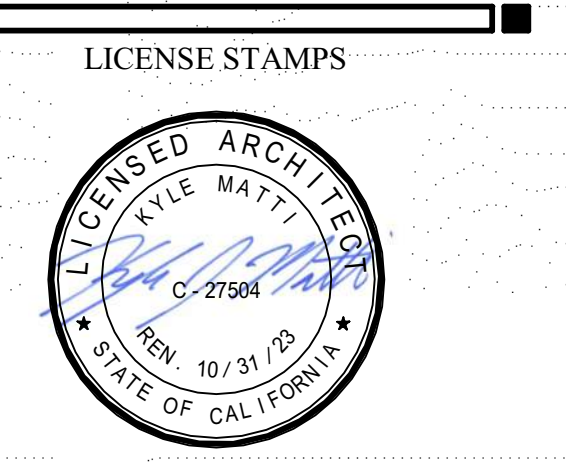
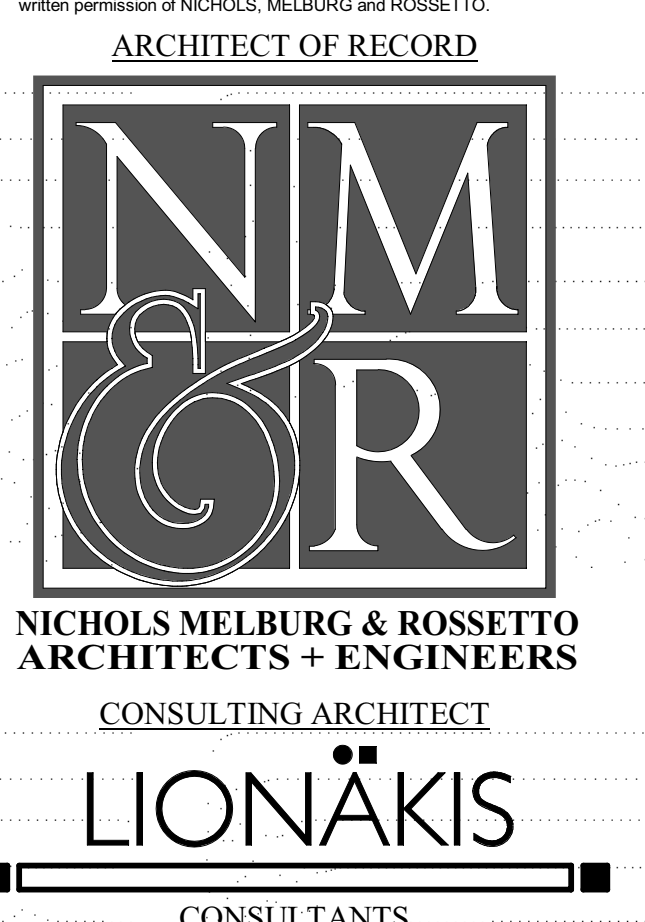
Plot Date: 09/03/2022 13:27:22 PM  
 User: dm 500\dm\nicholm Co. Connections Re-Entry Resources Ctr\_A\_MCR-Re-Entry.rvt

# SHEET NOTES

- 05.502 ACCESS LADDER
- 05.519 WALL MOUNT (BELOW HANDRAL) SELF CLOSING EGRESS INTERRUPTION GATE WITH PHOTO LUMINESCENT "NO EXIT" SIGN
- 09.224 GYP BOARD CEILING/SOFFIT - SEE DETAIL C1/G120
- 09.611 RECESSED WALK-OFF METAL GRATE SYSTEM - SEE DETAIL 12/A820
- 10.511 SURFACE MOUNTED WEAPONS LOCKER
- 26.505 WALL MOUNTED LIGHT FIXTURE - SMOOTH FACE BLOCK WHERE MOUNT OCCURS



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**WEST STAIR SECTIONS**

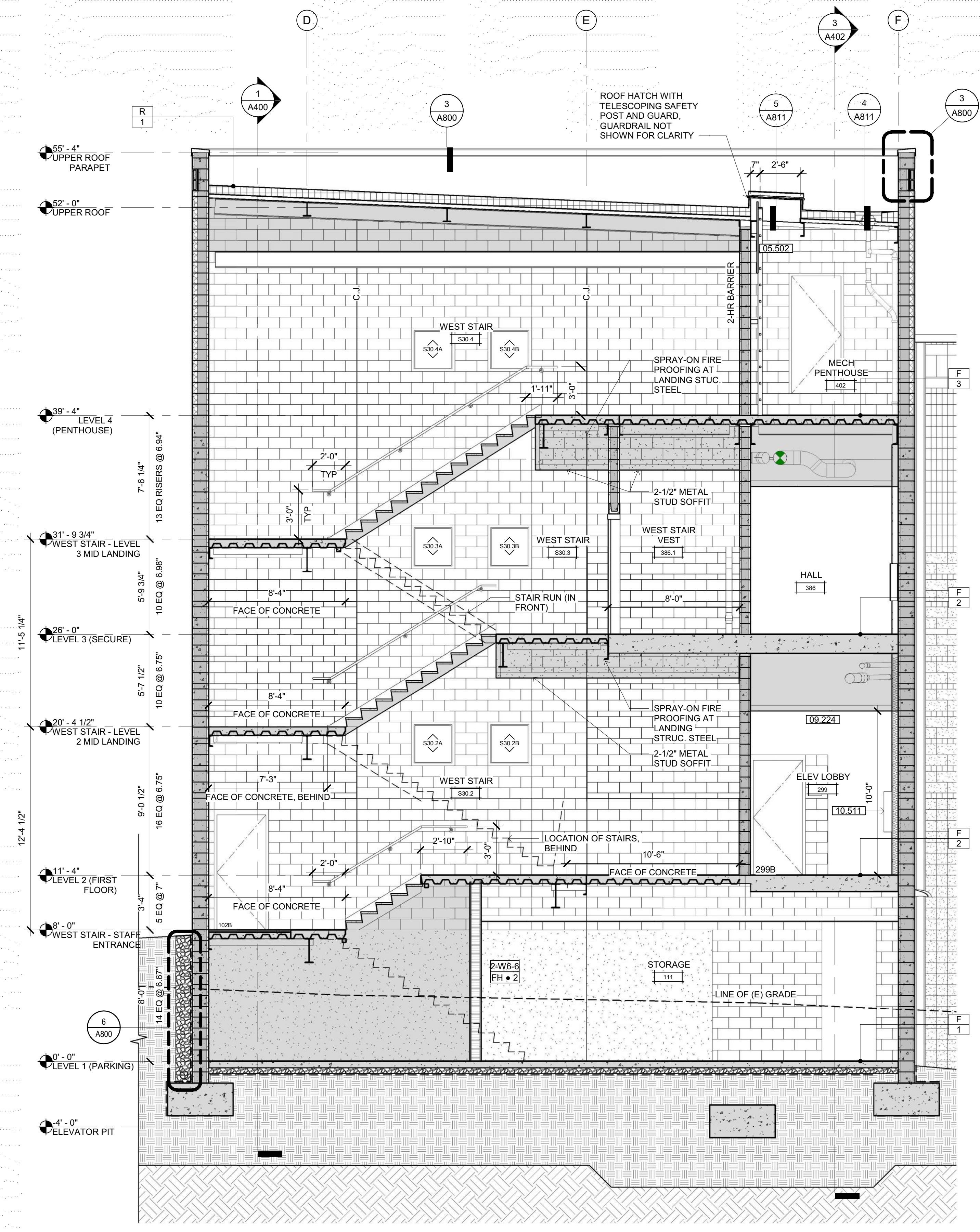
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

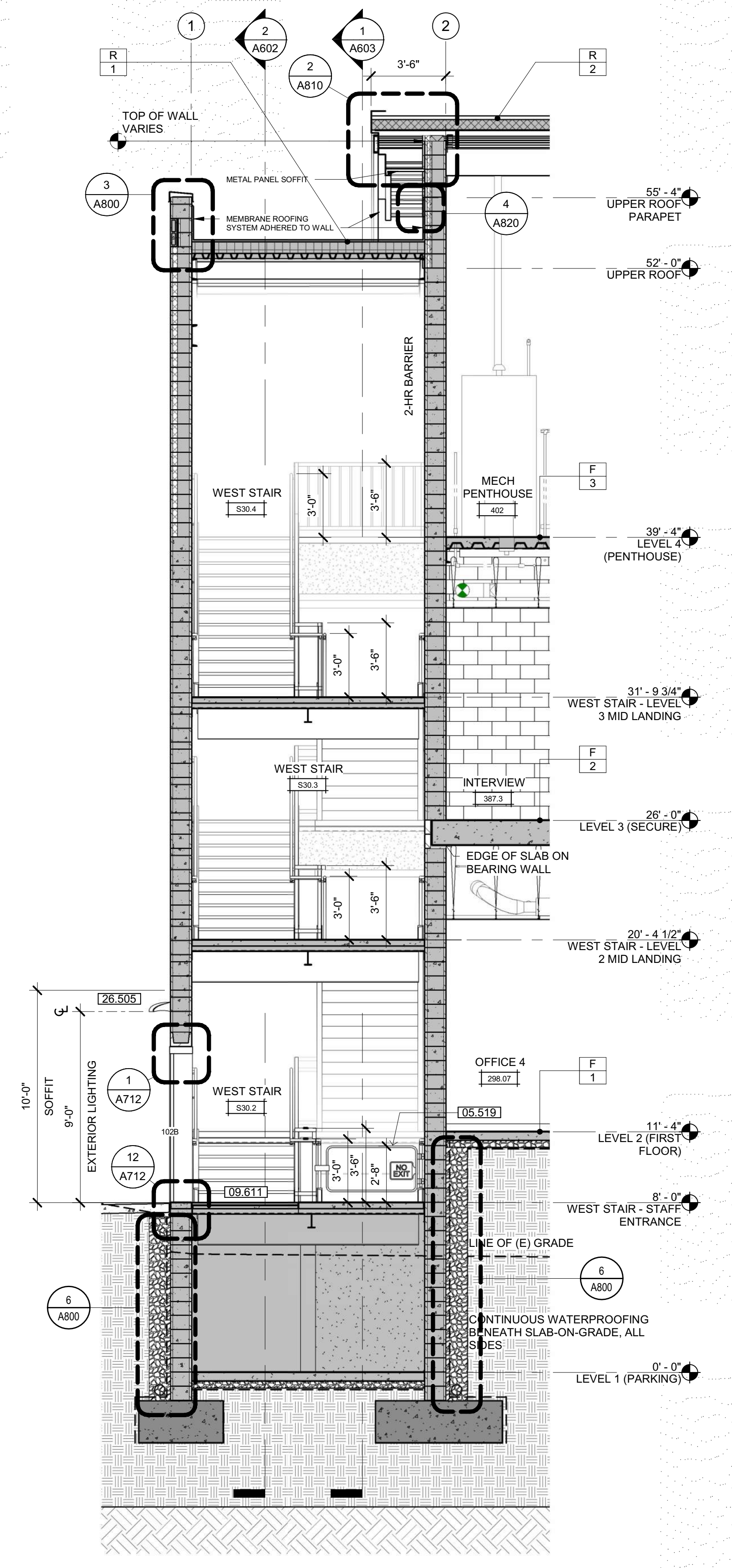
Delta	Description	Date

Drawn By	KIP
Date Issued	09.19.2022
Scale	1/4" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**A602 V4**



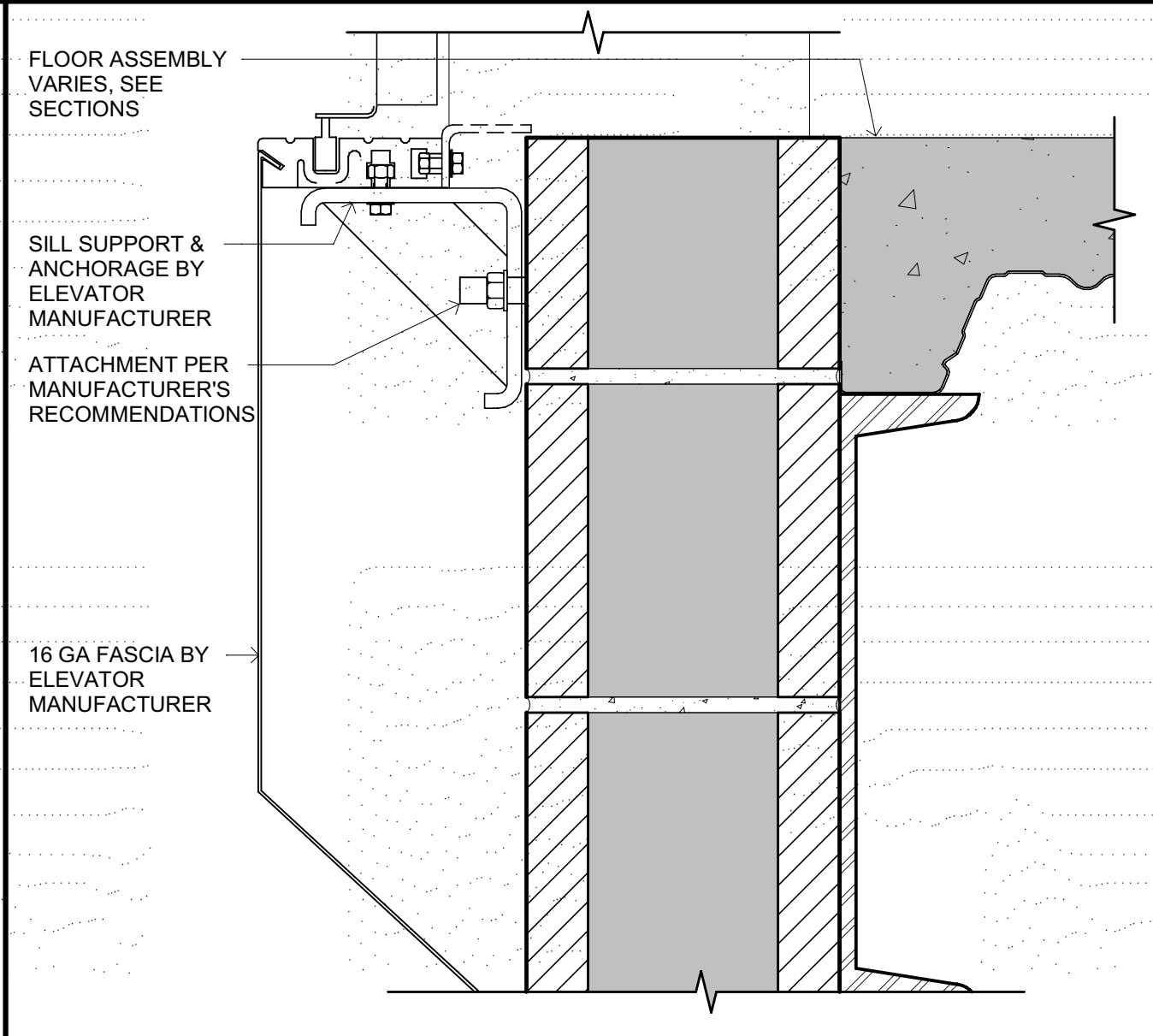
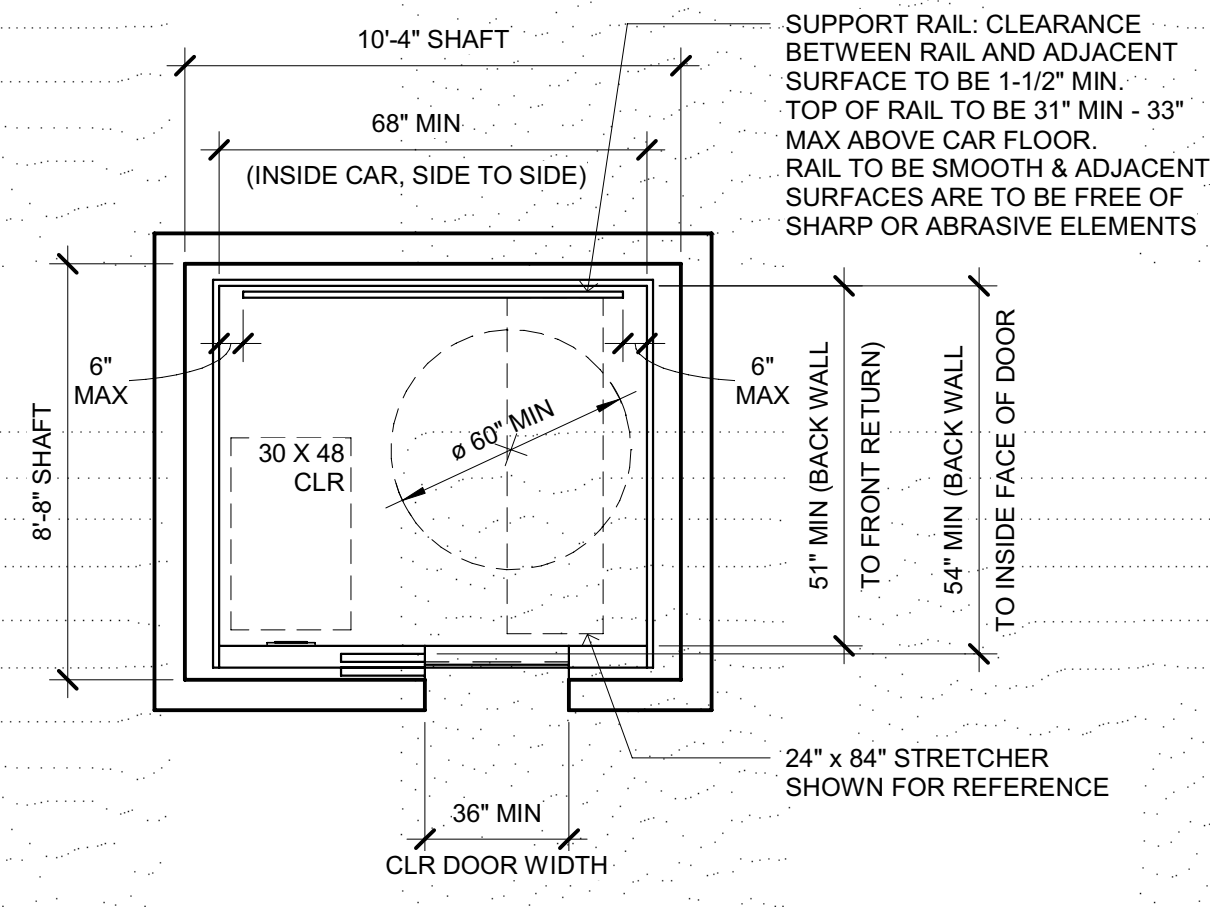
**2 WEST STAIR SECTION**  
 SCALE: 1/4" = 1'-0"



**1 WEST STAIR SECTION**  
 SCALE: 1/4" = 1'-0"

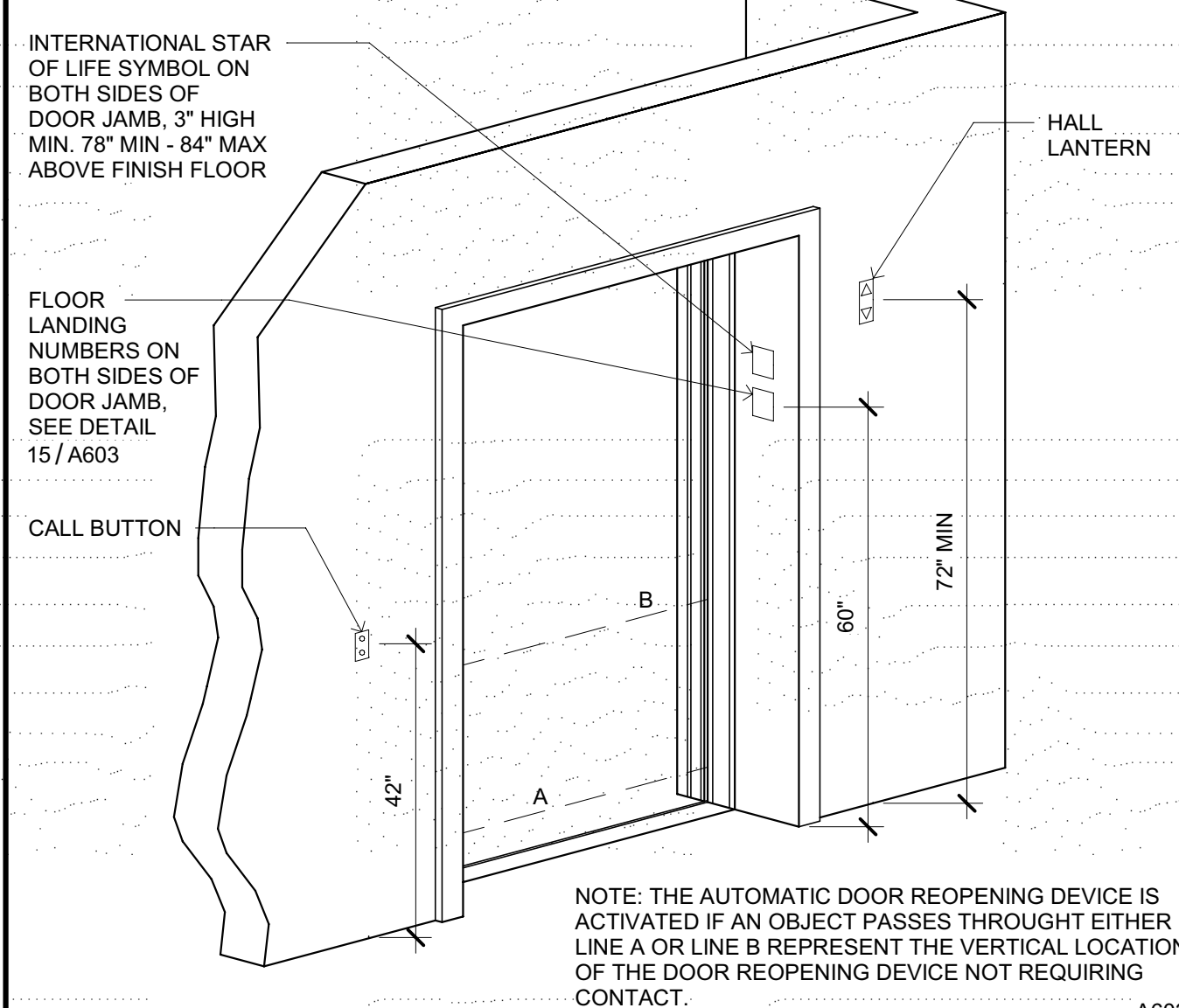
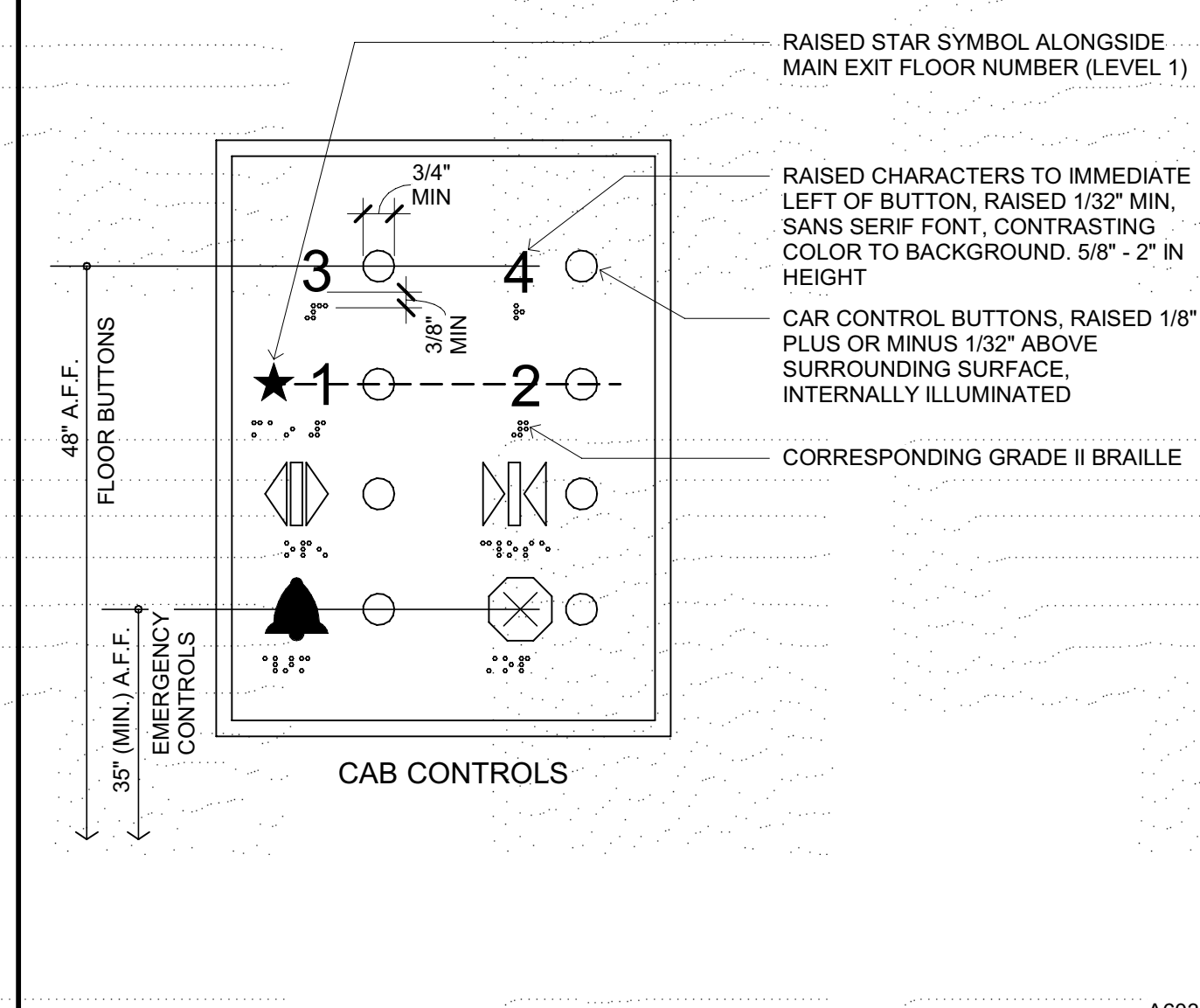
LEGEND

	ENGINEERED FILL - SEE CIVIL DRAWINGS
	NATIVE SOIL



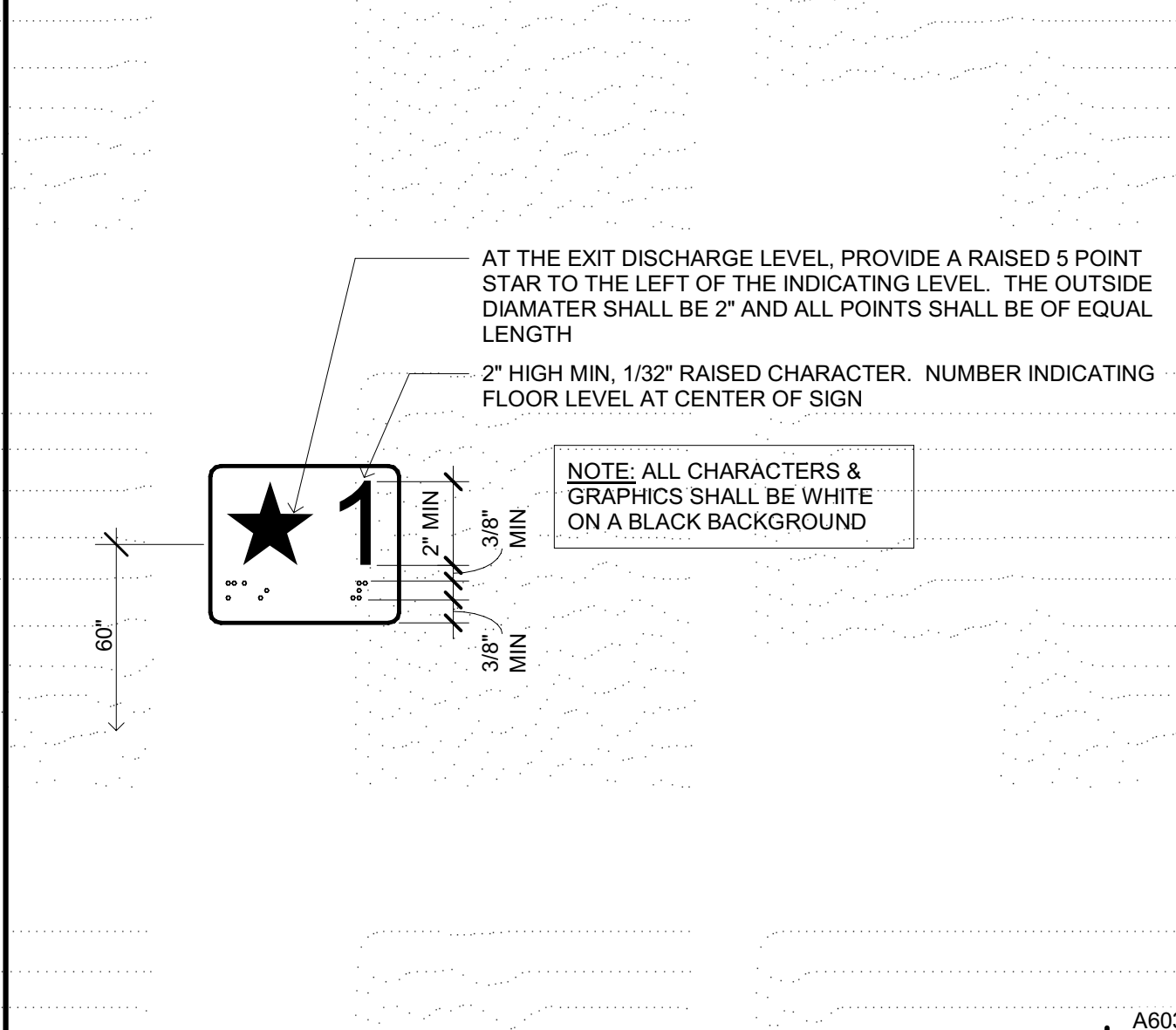
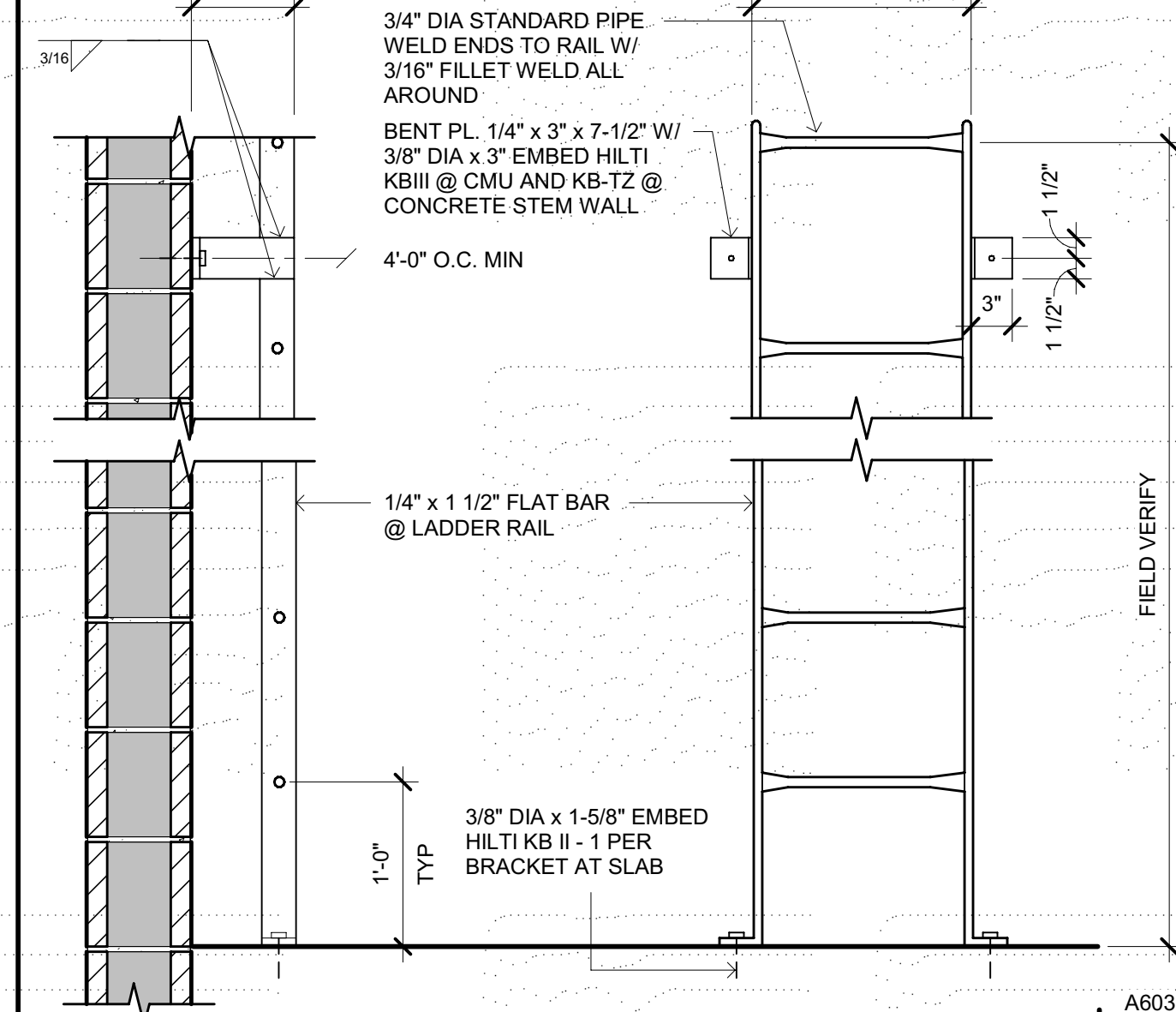
**MINIMUM DIMENSIONS OF ELEVATOR CAR**  
SCALE: 1/4" = 1'-0"

**SILL AT ELEVATOR (SHOWN AT UPPER FLOOR CONDITIONS)**  
SCALE: 3" = 1'-0"



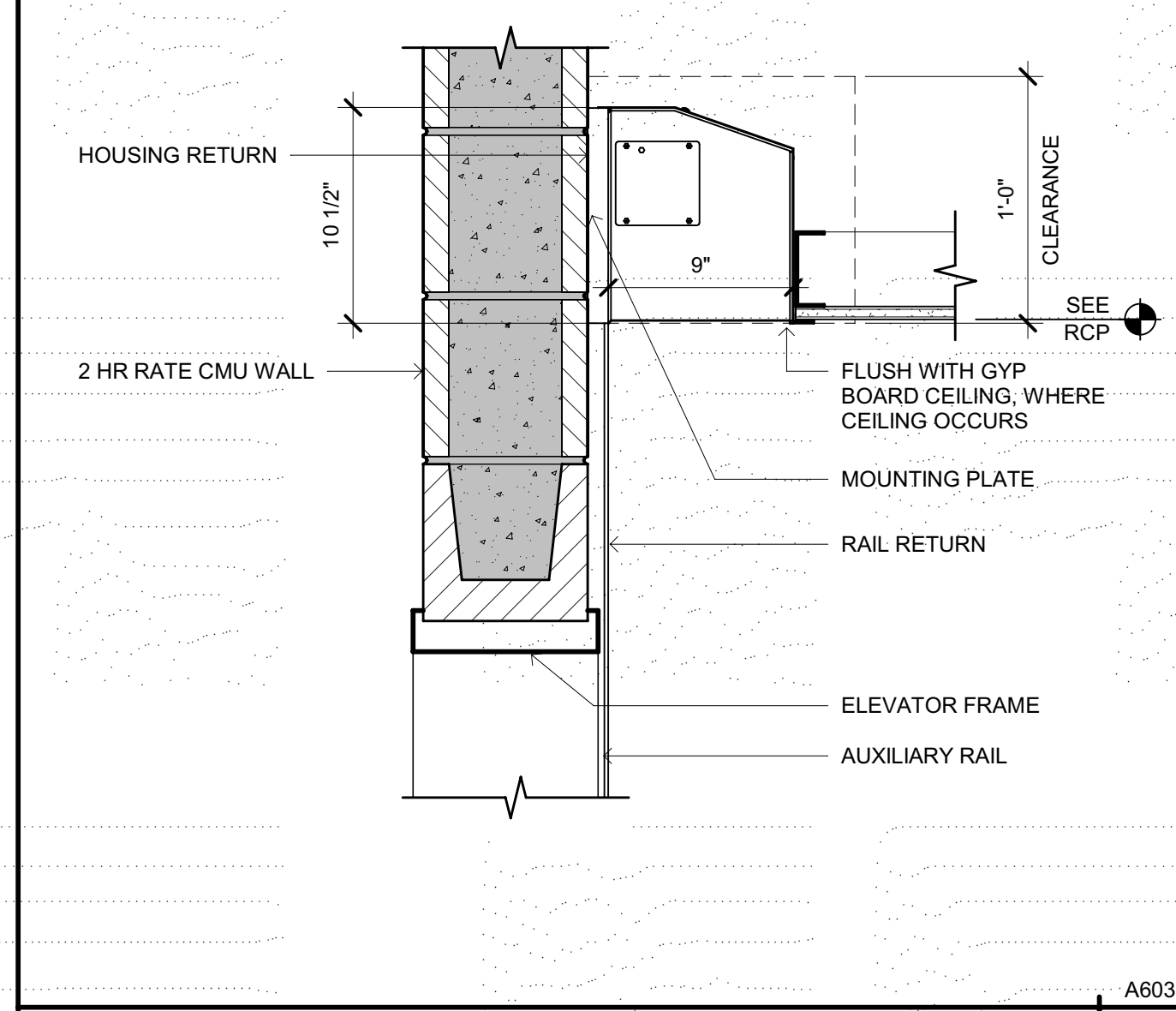
**ELEVATOR CONTROL PANEL**  
SCALE: 3" = 1'-0"

**ELEVATOR HOISTWAY AND ELEVATOR ENTRANCES**  
SCALE: 1/2" = 1'-0"

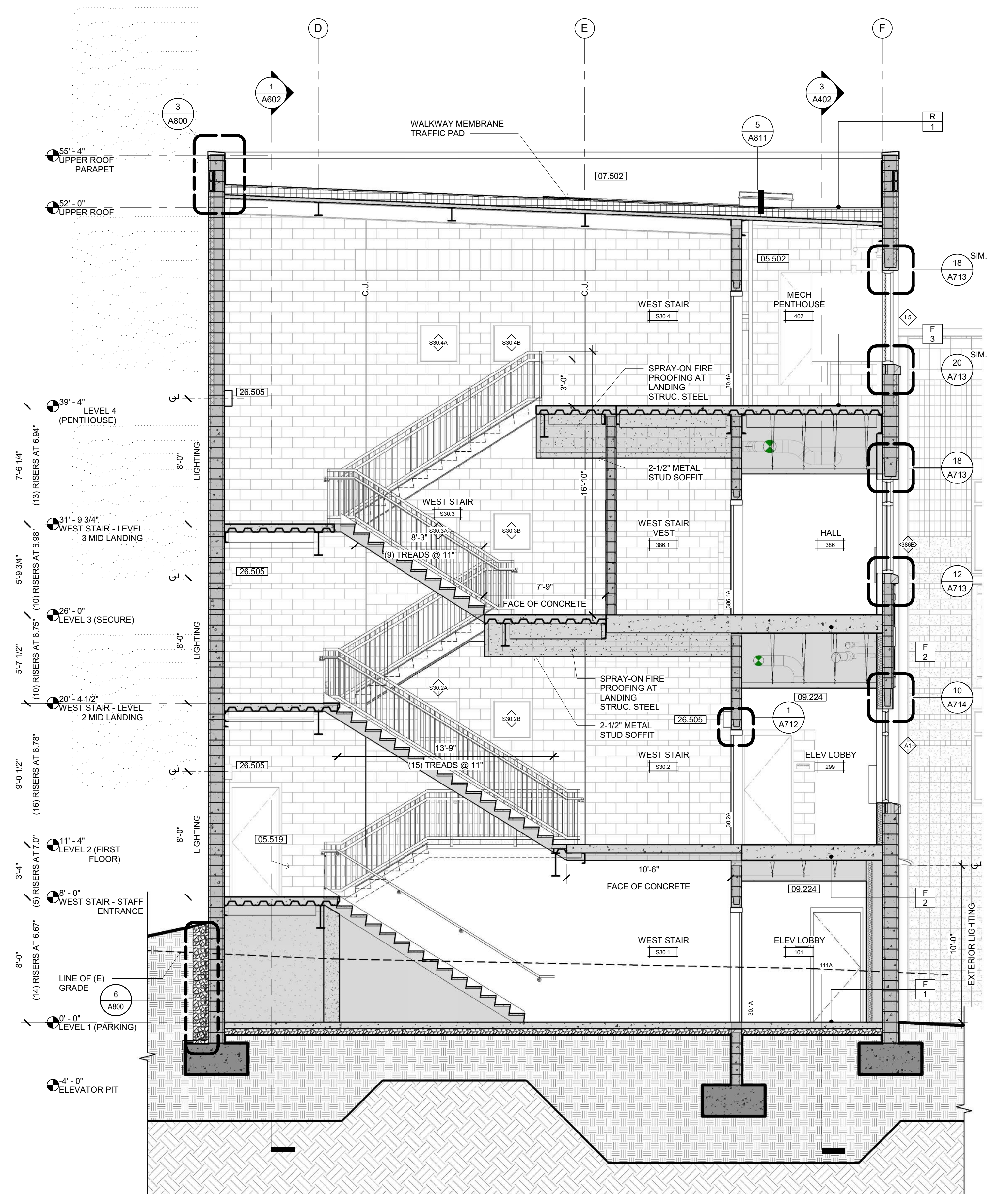


**ELEVATOR PIT ACCESS LADDER**  
SCALE: 1" = 1'-0"

**ELEVATOR JAMB FLOOR DESIGNATION SIGN**  
SCALE: 3" = 1'-0"



**ELEVATOR - SMOKE CURTAIN**  
SCALE: 1 1/2" = 1'-0"



**1 WEST STAIR SECTION**  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

05.502 ACCESS LADDER  
 05.519 WALL MOUNT (BELOW HANDRAIL) SELF CLOSING EGRESS INTERRUPTION GATE WITH PHOTOLUMINESCENT "NO EXIT" SIGN.  
 07.502 MEMBRANE ROOFING SYSTEM OVER TAPERED FOAM OVER RIGID INSULATION.  
 09.224 GYP BOARD CEILING/SOFFIT - SEE DETAIL C1/G120  
 26.505 WALL MOUNTED LIGHT FIXTURE - SMOOTH FACE BLOCK WHERE MOUNT OCCURS

OFFICE OF THE STATE FIRE MARSHAL  
 APPROVED FIRE AND PANIC ONLY

Approval of this plan book is to authorize or approve any exception or deviation from applicable regulations. Approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

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**NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS**  
 CONSULTING ARCHITECT  
**LIONAKIS**  
 CONSULTANTS

LICENSE STAMPS

PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**WEST STAIR SECTION AND ELEVATOR DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

LEGEND

ENGINEERED FILL - SEE CIVIL DRAWINGS

NATIVE SOIL

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A603 V4**

Plot Date: 9/20/2022 1:37:27 PM  
 File Name: 16-6421-00-Humboldt Co. Corrections Re-Entry Resources Ctr.A\_MCR-Re-Entry.pit

DOOR SCHEDULE

Table with columns: NUMBER, LOCATION, FIRE RATING (MINS), HDW GP, SECURITY, TYPE, WIDTH, LEAF 2 (TYPE, WIDTH), MATL, HEIGHT, FINISH, GL, TYPE, MATL, FINISH, GL, HEAD, JAMB, SILL, KEYING ACCESS, SIGNAGE TEXT (PULL SIDE), SIGNAGE TEXT (PUSH SIDE), COMMENTS.

GENERAL NOTES

- 1. REFER TO SHEET A-711 FOR DOOR & FRAME TYPES, GENERAL NOTES AND DOOR GRAPHIC LEGEND
2. ELECTRONICALLY CONTROLLED OR OTHER POWERED EXIT DOORS FROM CELLS AND HOLDING ROOMS SHALL BE CAPABLE OF REMOTE RELEASE FROM THE FACILITY CONTROL CENTER.
3. LEFT AND RIGHT JAMBS FOR ALL DETENTION FRAMES ARE VIEWED FROM THE PULL SIDE OF THE DOOR.
4. SEE DETAILS --- FOR SECURITY GLAZING WITHIN DOOR PANELS. ORDER OF DOOR & FRAME SCHEDULE REFLECTS THE ORDER OF THE FLOOR PLANS - NOT ALPHANUMERIC.
5. DOOR HARDWARE TO BE MOUNTED BETWEEN 34" MINIMUM AND 44" MAXIMUM ABOVE FINISH FLOOR OR GROUND. (CBC 11B-404.2.7)
6. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM. (CBC 11B-309.4)
7. DOOR CLOSING SPEED TO COMPLY WITH CBC 11B-404.2.8.
A. 11B-404.2.8.1 DOOR CLOSERS AND GATE CLOSERS. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS SECONDS MINIMUM.
B. 11B-404.2.8.2 SPRING HINGES. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM.
8. DOOR LANDINGS TO BE LEVEL (1:48 MAXIMUM SLOPE) (CBC 11B-404.2.4.4)
9. INSTALL ALL FIRE DOORS WITH THE FOLLOWING CLEARANCES FOR SWINGING DOORS WITH A MINUS 1/16" TOLERANCE. CRSC SECTION: 12-7-403
A. 1/8" ALONG MEETING EDGE OF PAIR OF DOORS.
B. 1/4" AT THE BOTTOM EDGE OF A PAIR OF DOORS.
C. 3/8" AT THE BOTTOM EDGE OF SINGLE SWING DOORS.



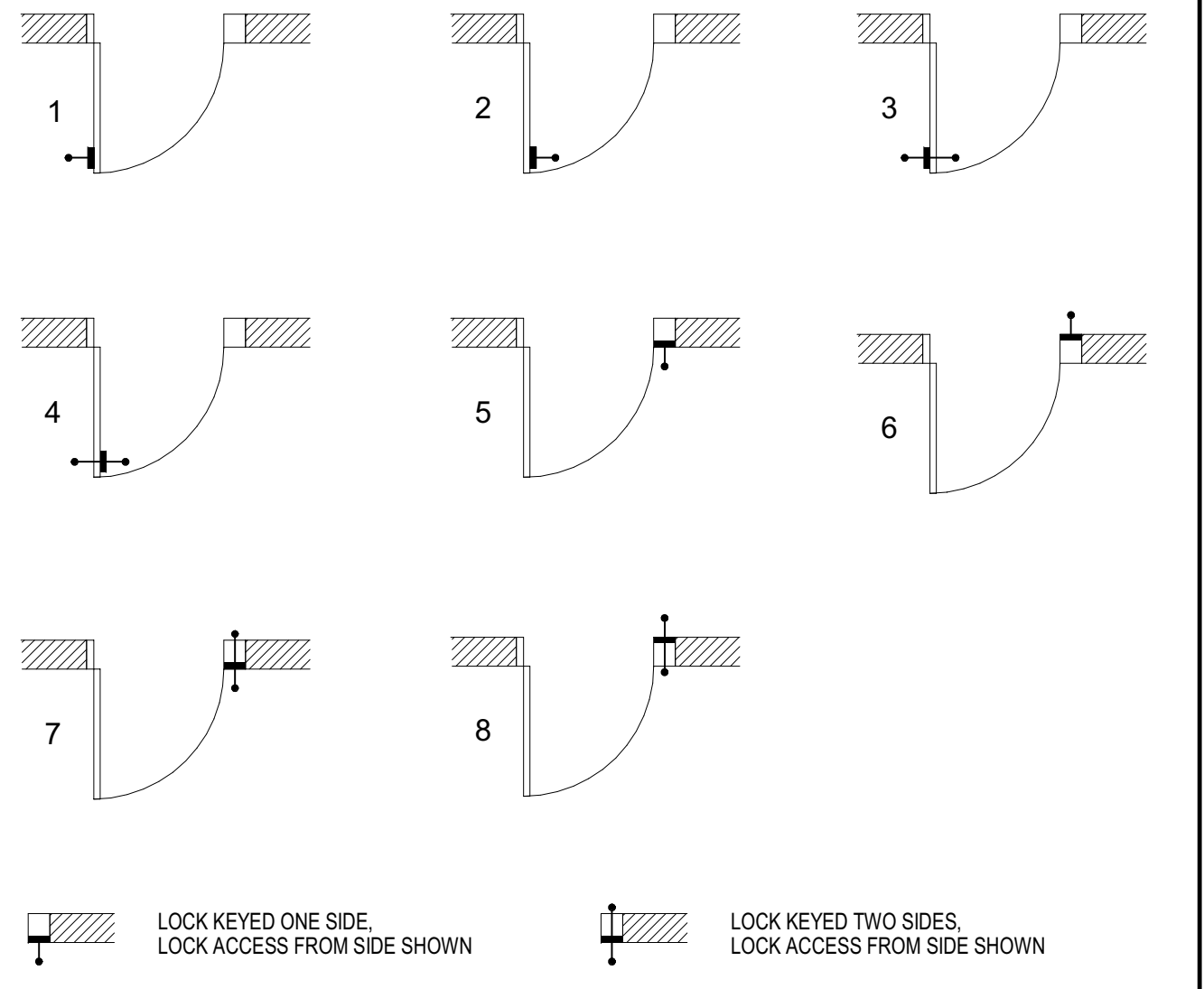
DOOR AND FRAME SCHEDULE TITLES

Table with columns: SECURITY, GL (GLAZING), HDW GP, KEYING ACCESS, SIGNAGE. Describes indicators for each category.

ABBREVIATIONS IN SCHEDULE

Table with columns: D = DETENTION, DSST = DETENTION STAINLESS STEEL, GL = GLASS, LG = LEADED GLASS, etc.

KEY ACCESS LEGEND



GLAZING TYPES

Table with columns: TYPE, NOMINAL THICKNESS, COMPOSITION. Lists glazing types like G-1, G-2, G-3, G-4, G-5.

SECURITY GLAZING

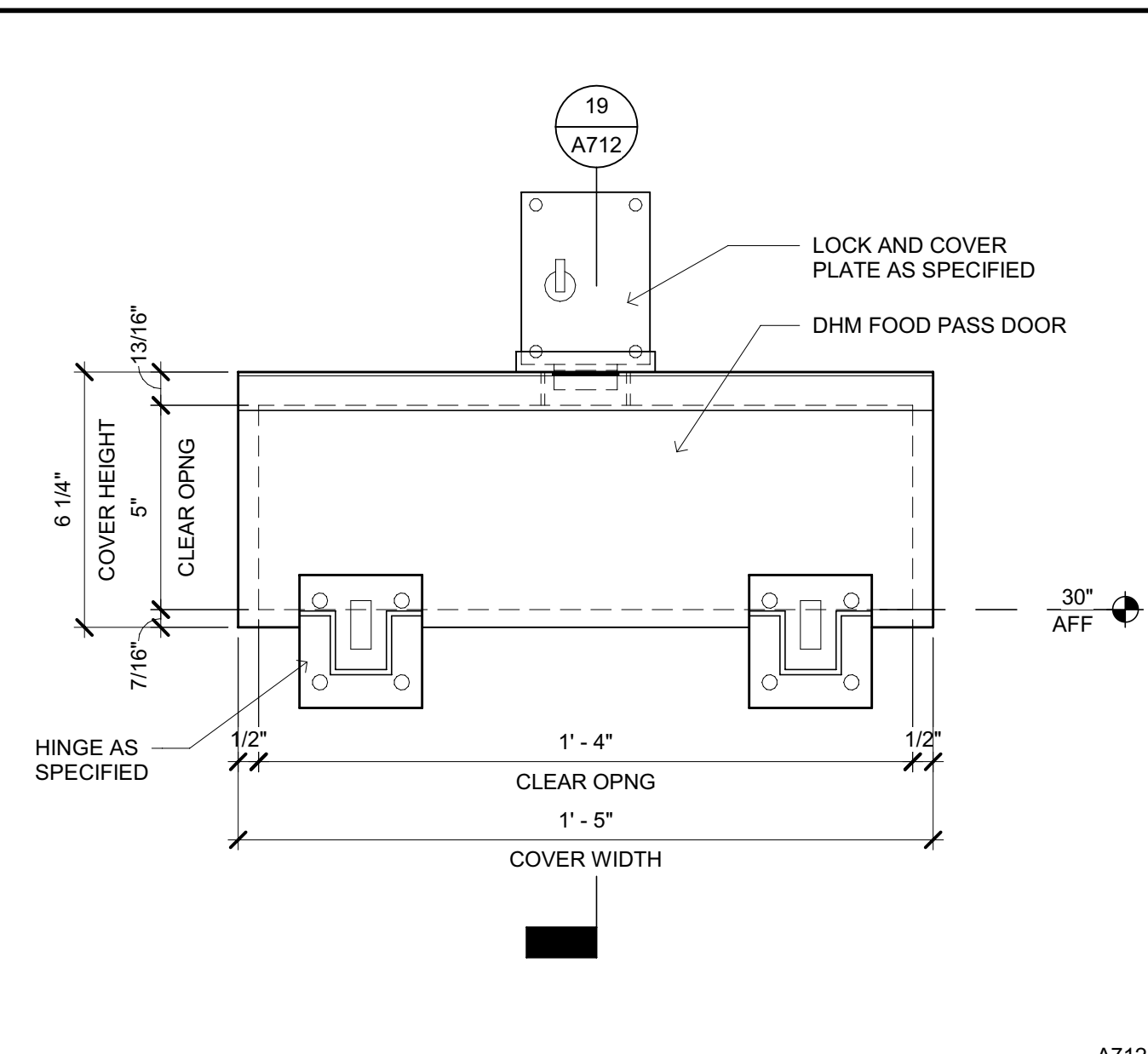
Table with columns: TYPE, NOMINAL THICKNESS, COMPOSITION. Lists security glazing types like SG-1, SG-2, SG-3, SG-4, SG-5.

ARCHITECT OF RECORD logo for NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS CONSULTANTS ARCHITECT LIONAKIS CONSULTANTS

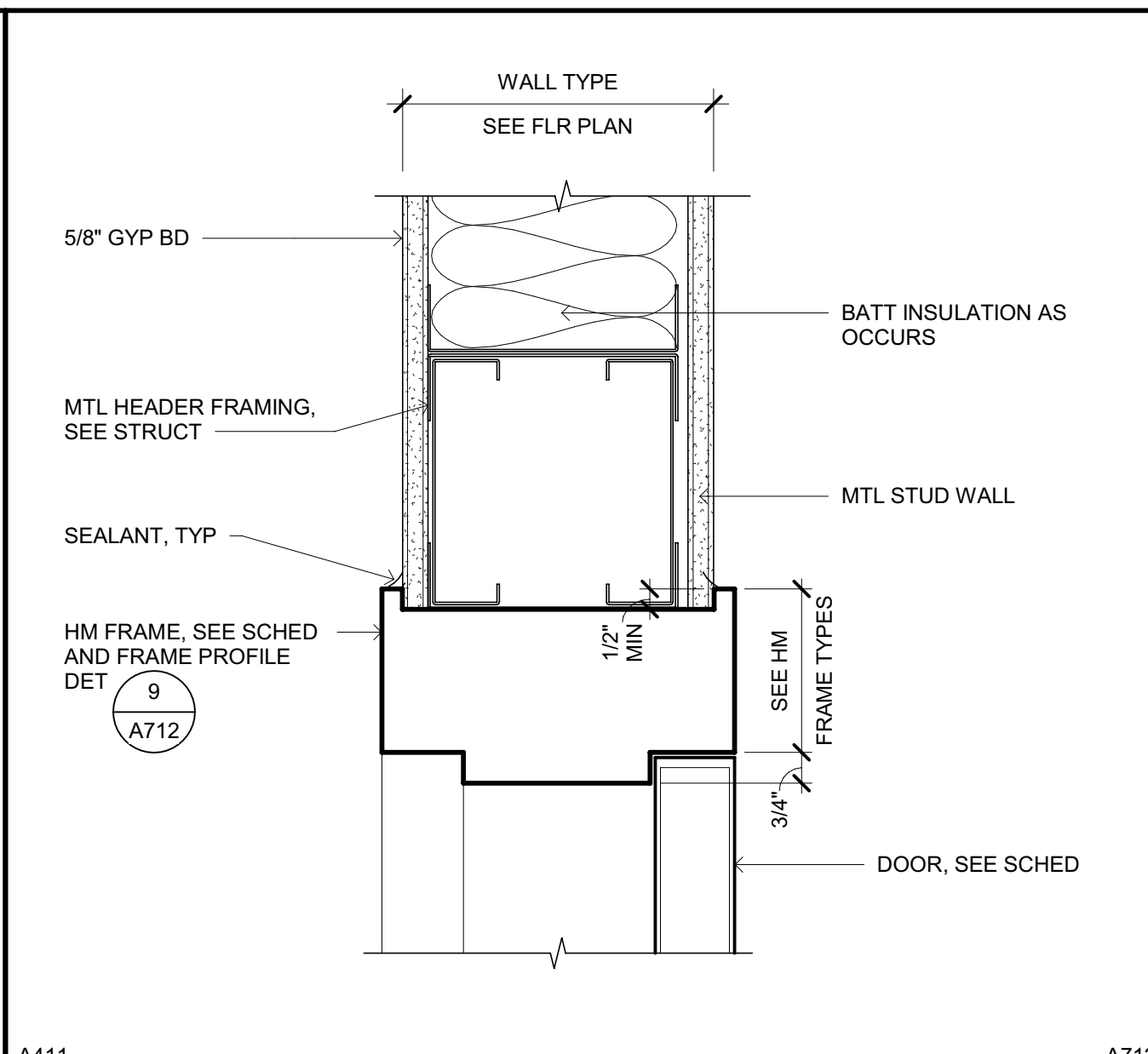
LICENSE STAMPS logo for HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER 929 5th STREET EUREKA, CA 95501

SHEET TITLE: DOOR SCHEDULE. DRAWING STATUS: WORKING DRAWINGS. REVISIONS table. SHEET No. A710 V4.

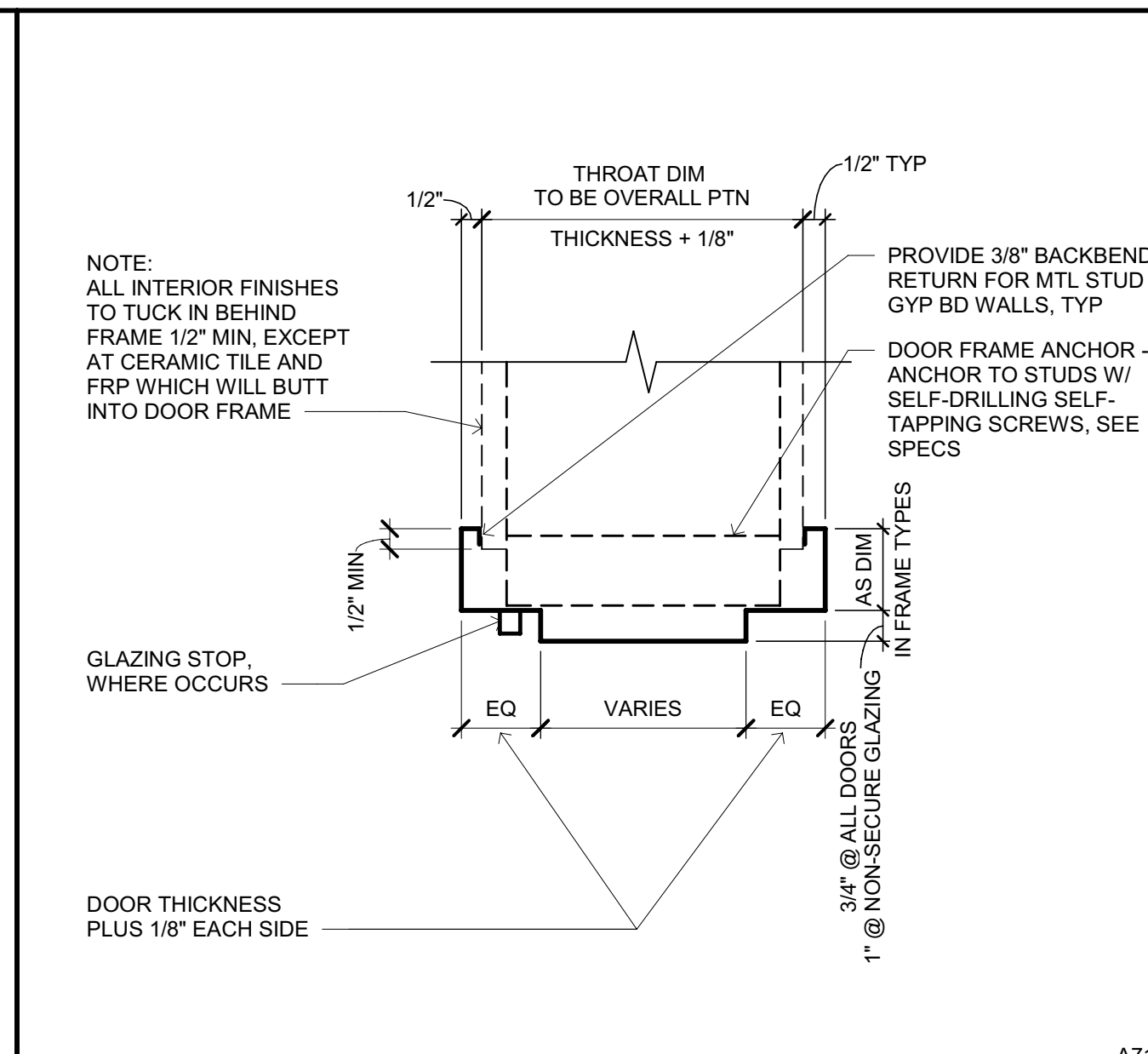




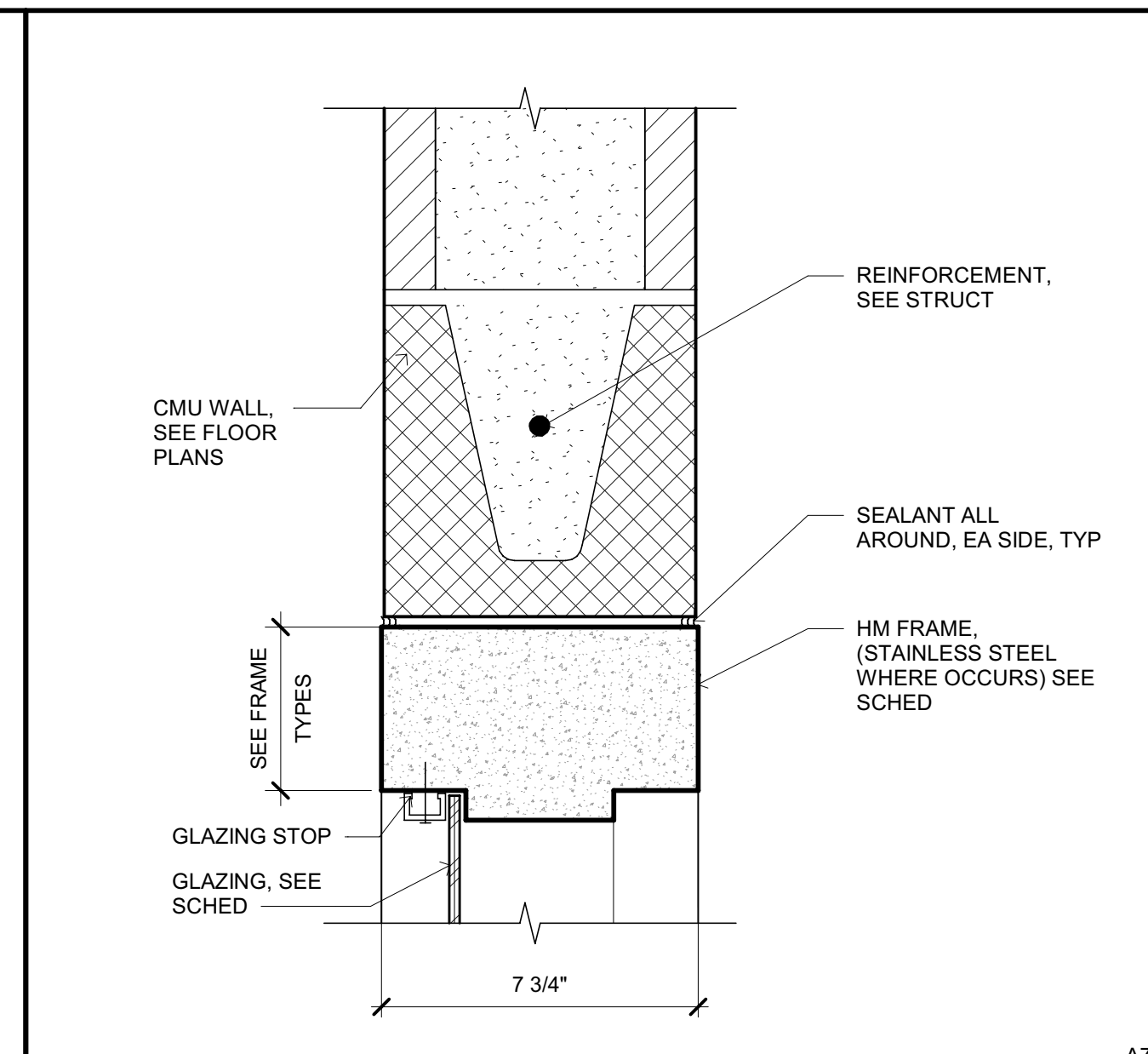
**CUFF PORT/FOOD PASS ELEVATION**  
SCALE: 3" = 1'-0"



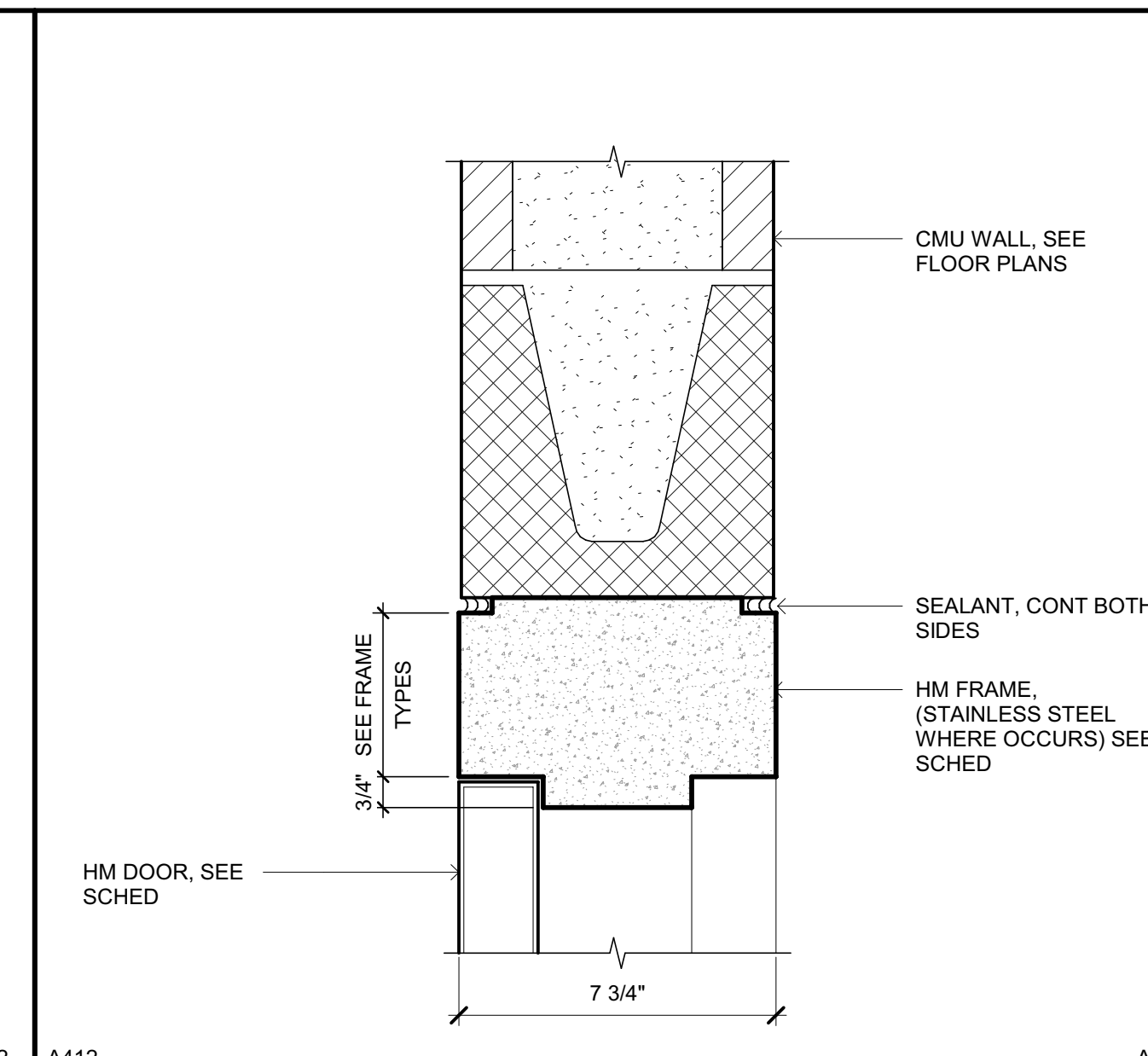
**DOOR HEAD - INTERIOR**  
SCALE: 3" = 1'-0"



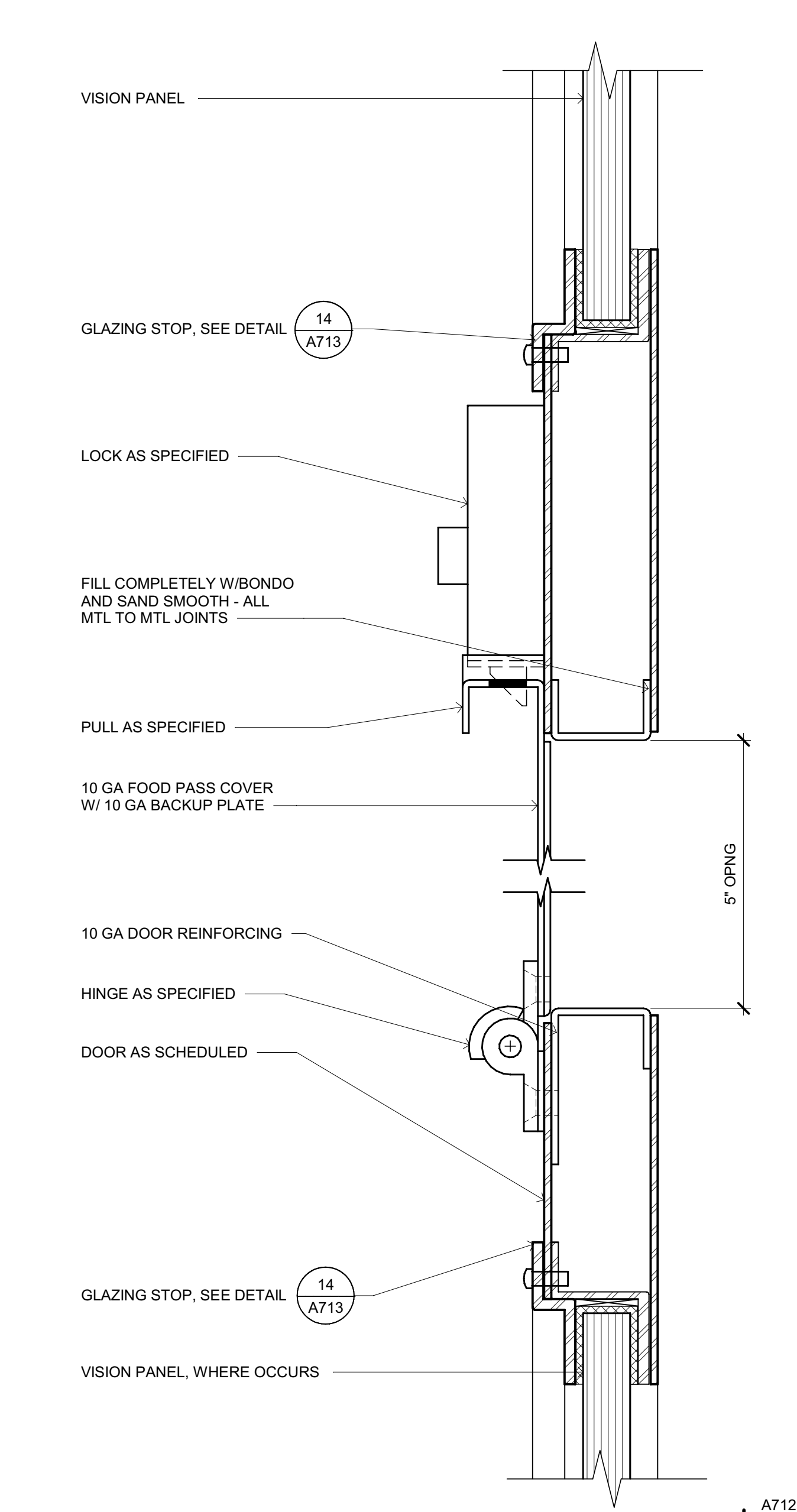
**TYP HM DOOR/WINDOW FRAME PROFILE - INTR MTL STUD**  
SCALE: 3" = 1'-0"



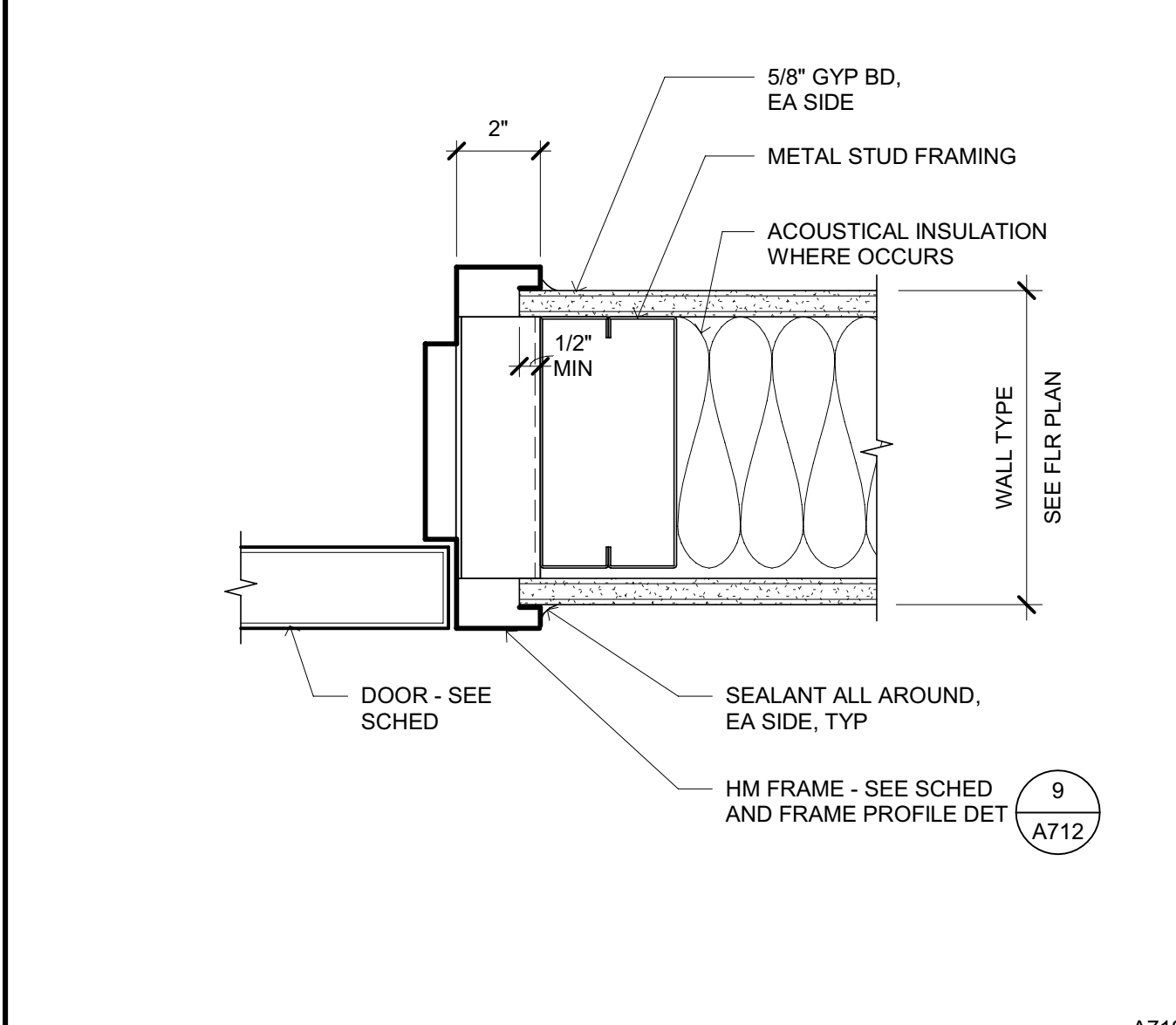
**GLAZING HEAD (SILL SIM)**  
SCALE: 3" = 1'-0"



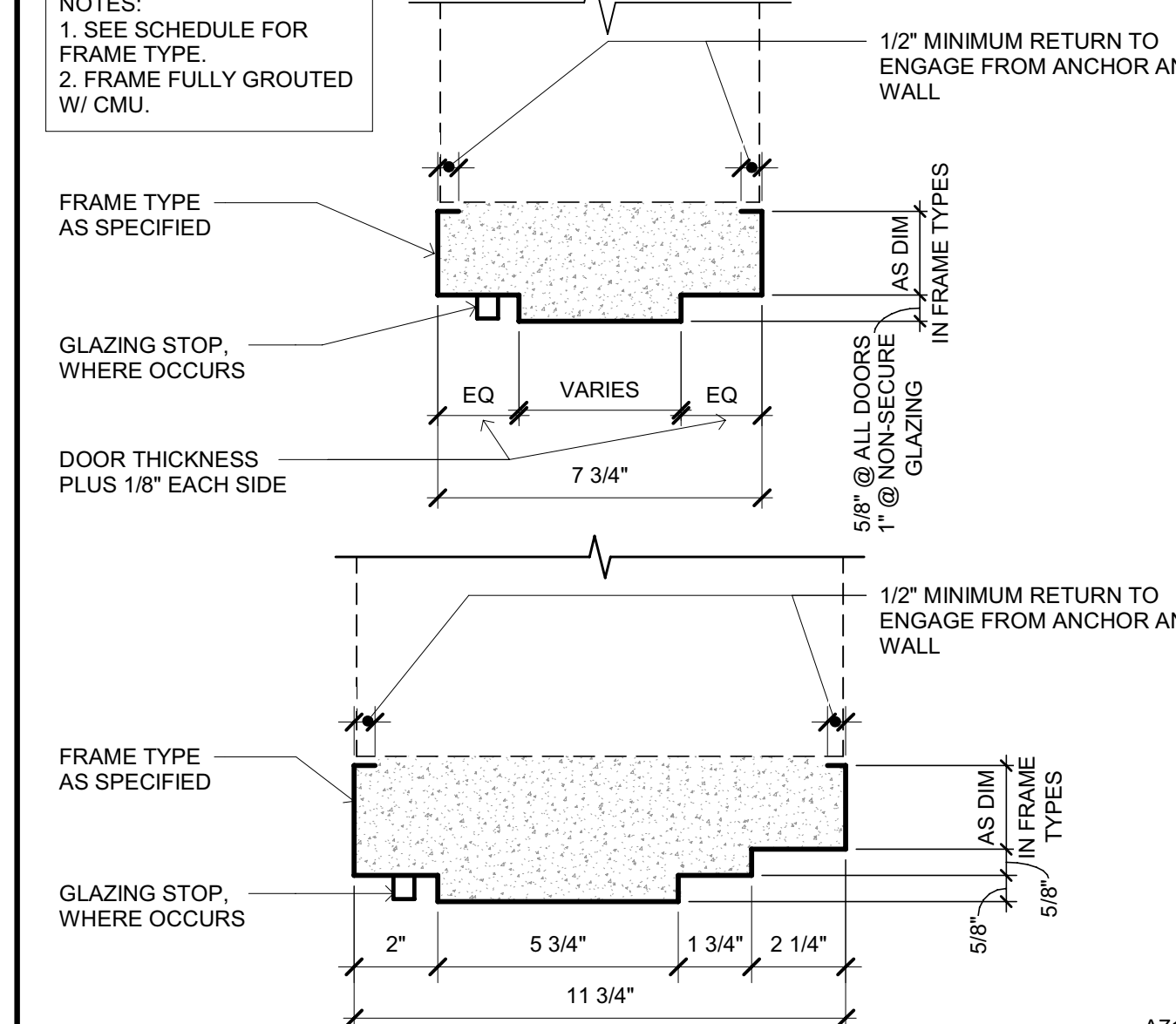
**DOOR HEAD AT 8" CMU**  
SCALE: 3" = 1'-0"



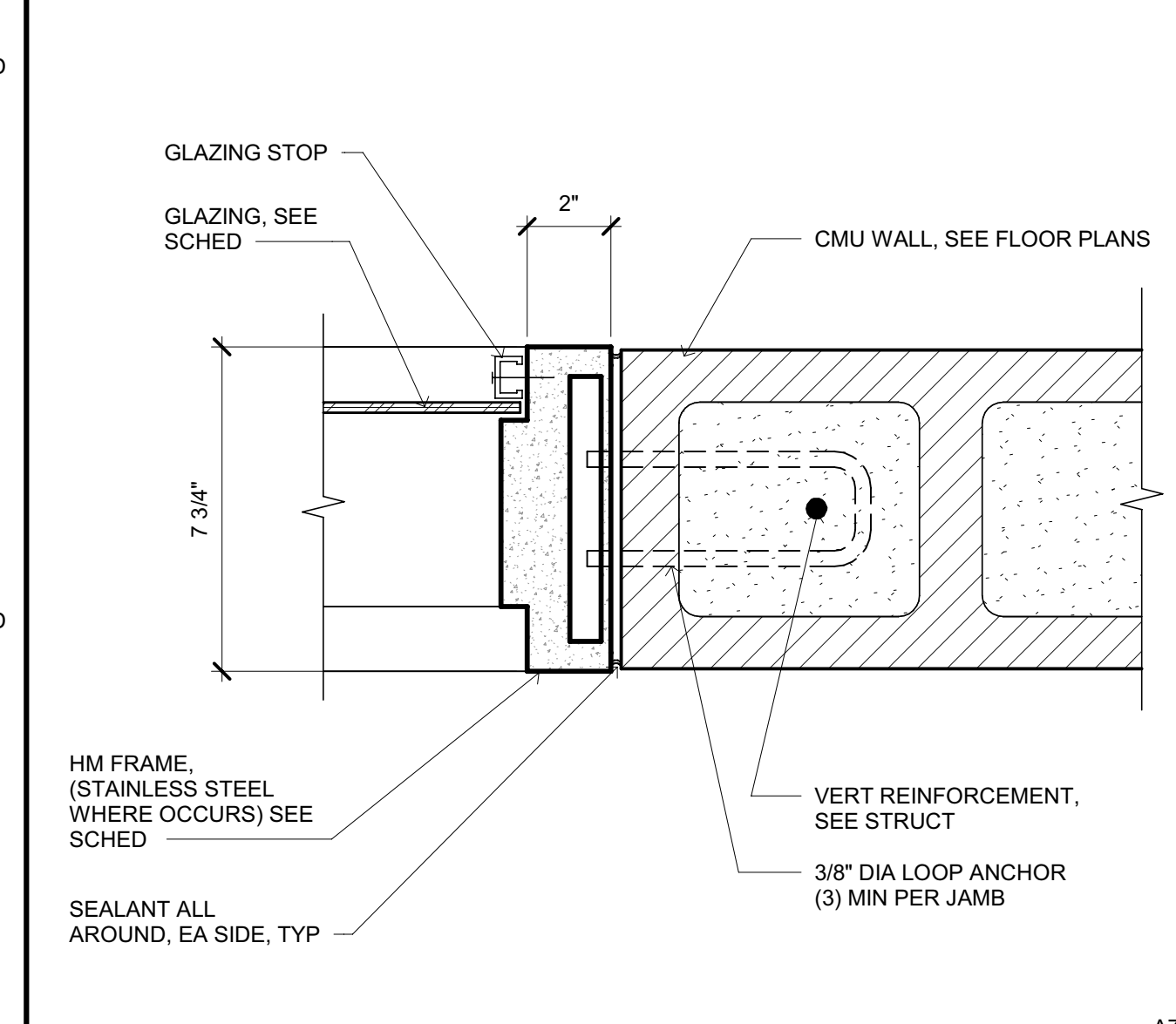
**CUFF PORT/FOOD PASS SECTION**  
SCALE: 6" = 1'-0"



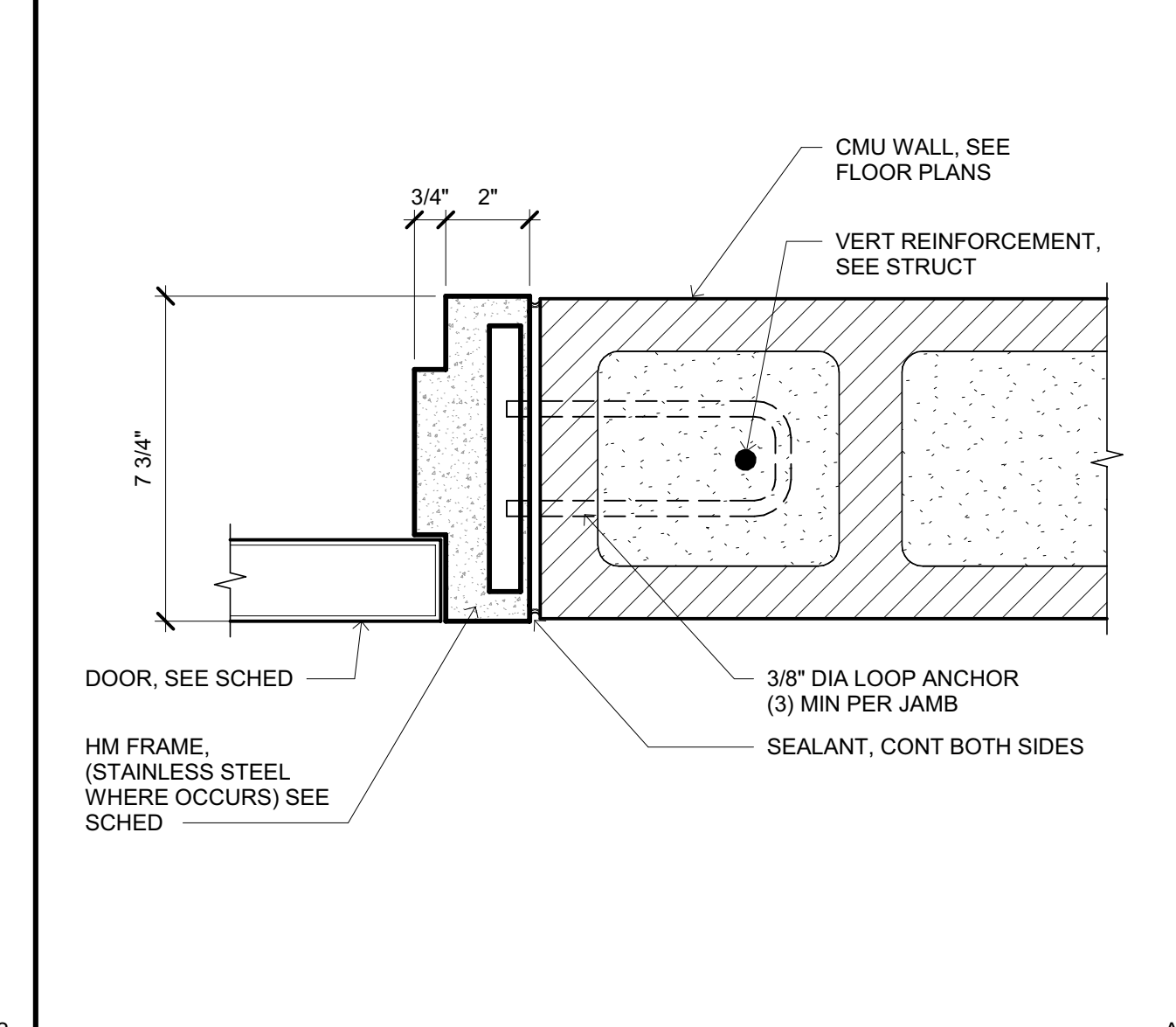
**JAMB IN METAL STUD WALL**  
SCALE: 3" = 1'-0"



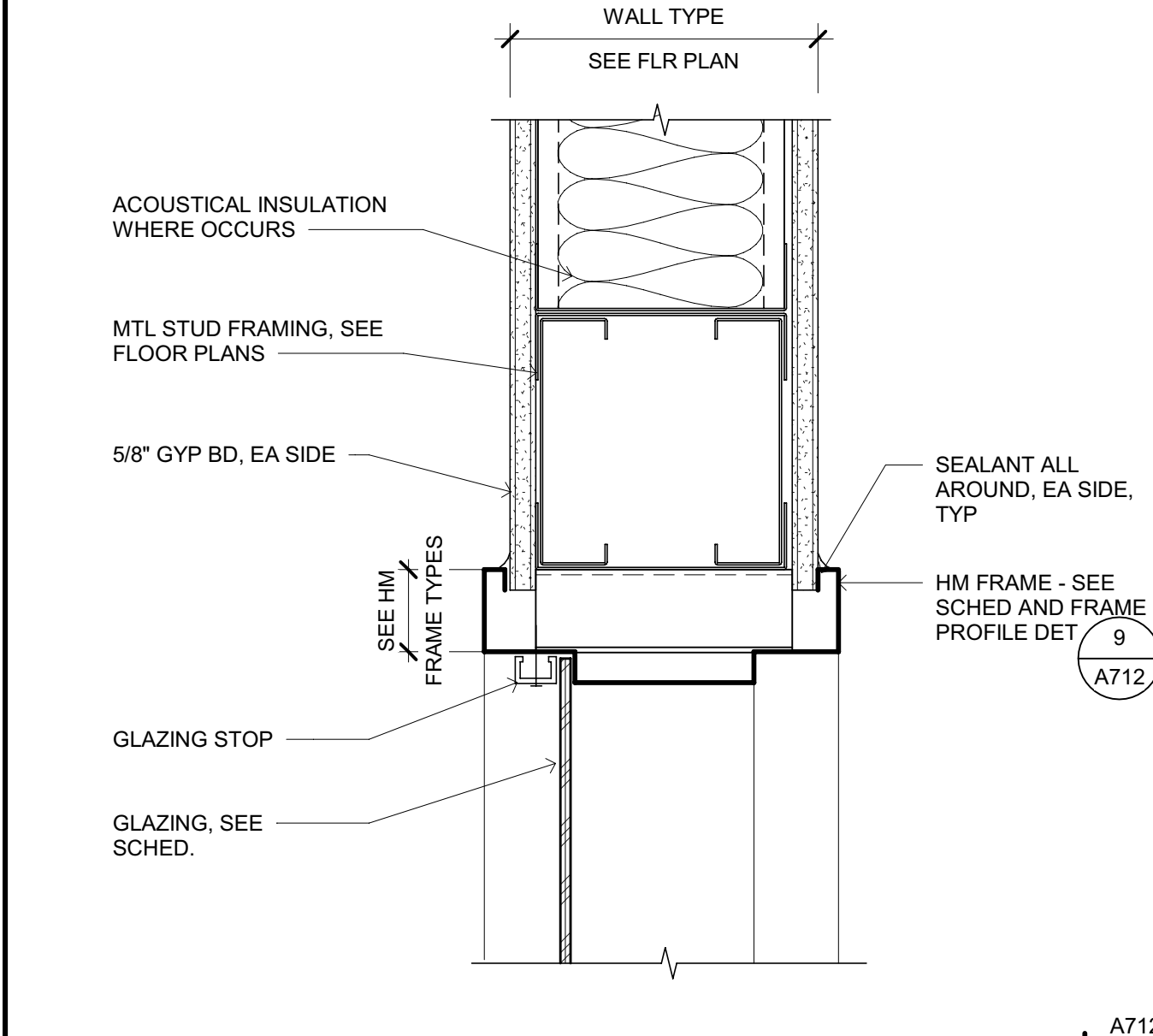
**TYP HM DOOR/WINDOW FRAME PROFILE - CMU**  
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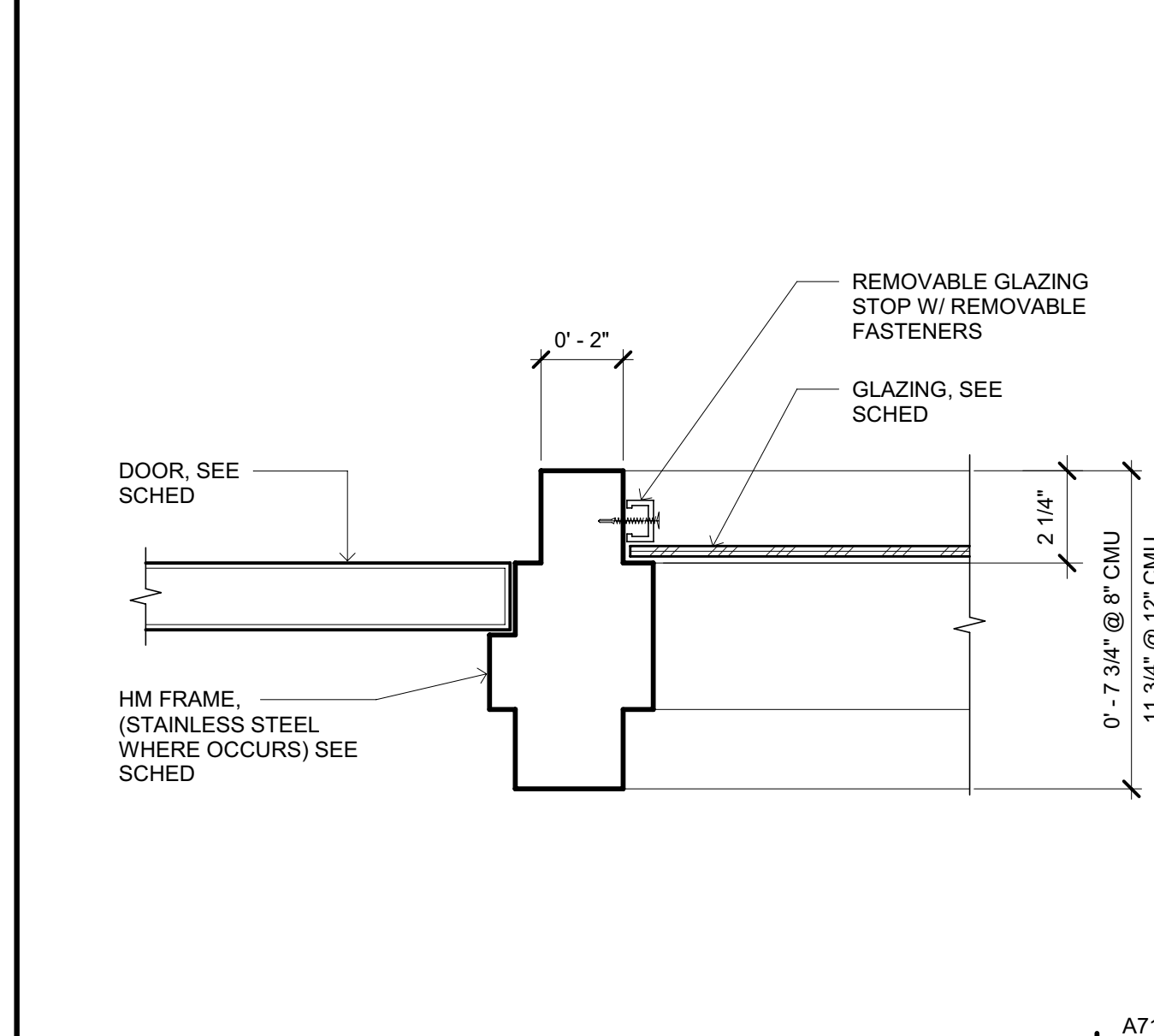
**GLAZING JAMB**  
SCALE: 3" = 1'-0"



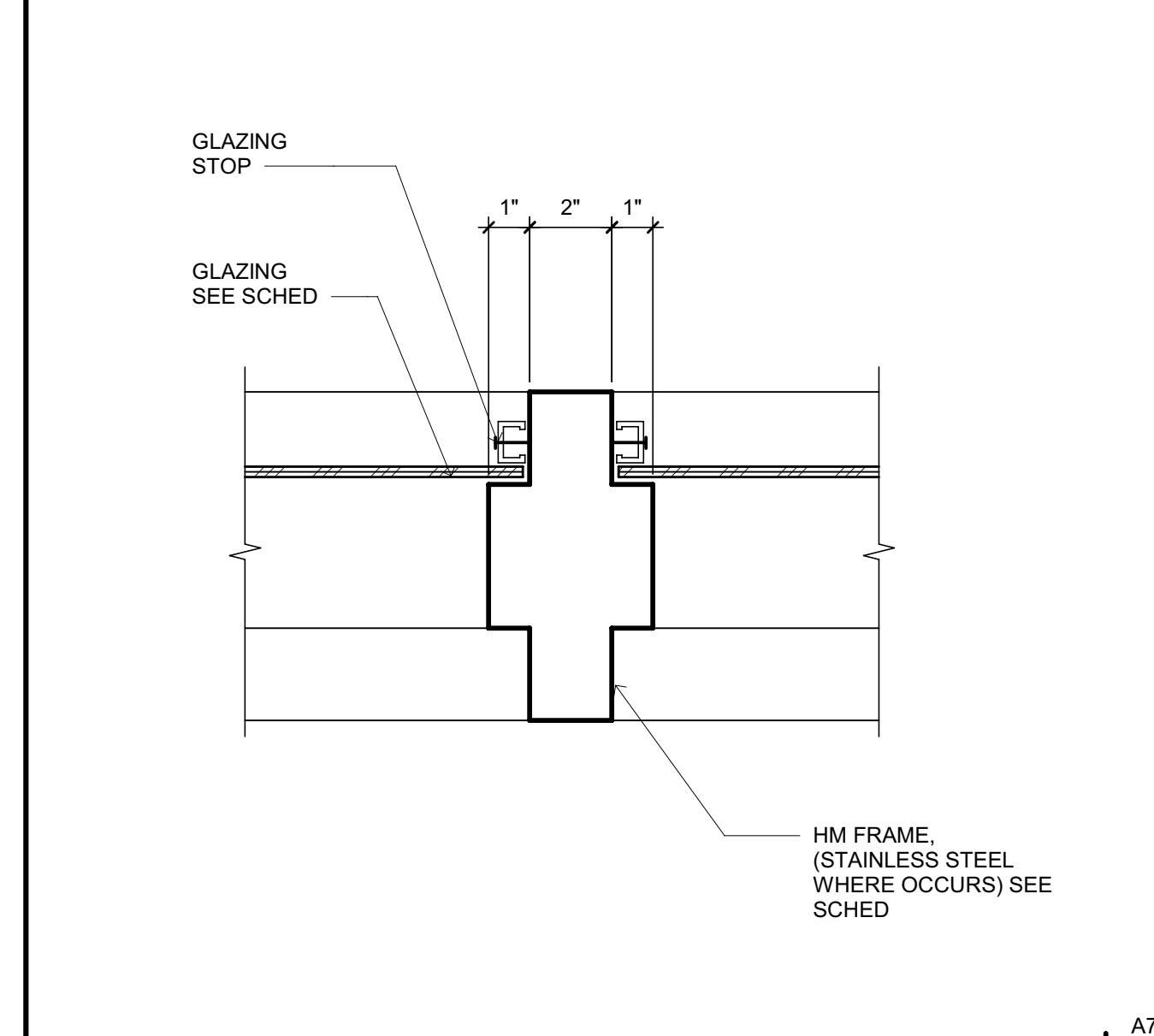
**DOOR JAMB AT 8" CMU**  
SCALE: 3" = 1'-0"



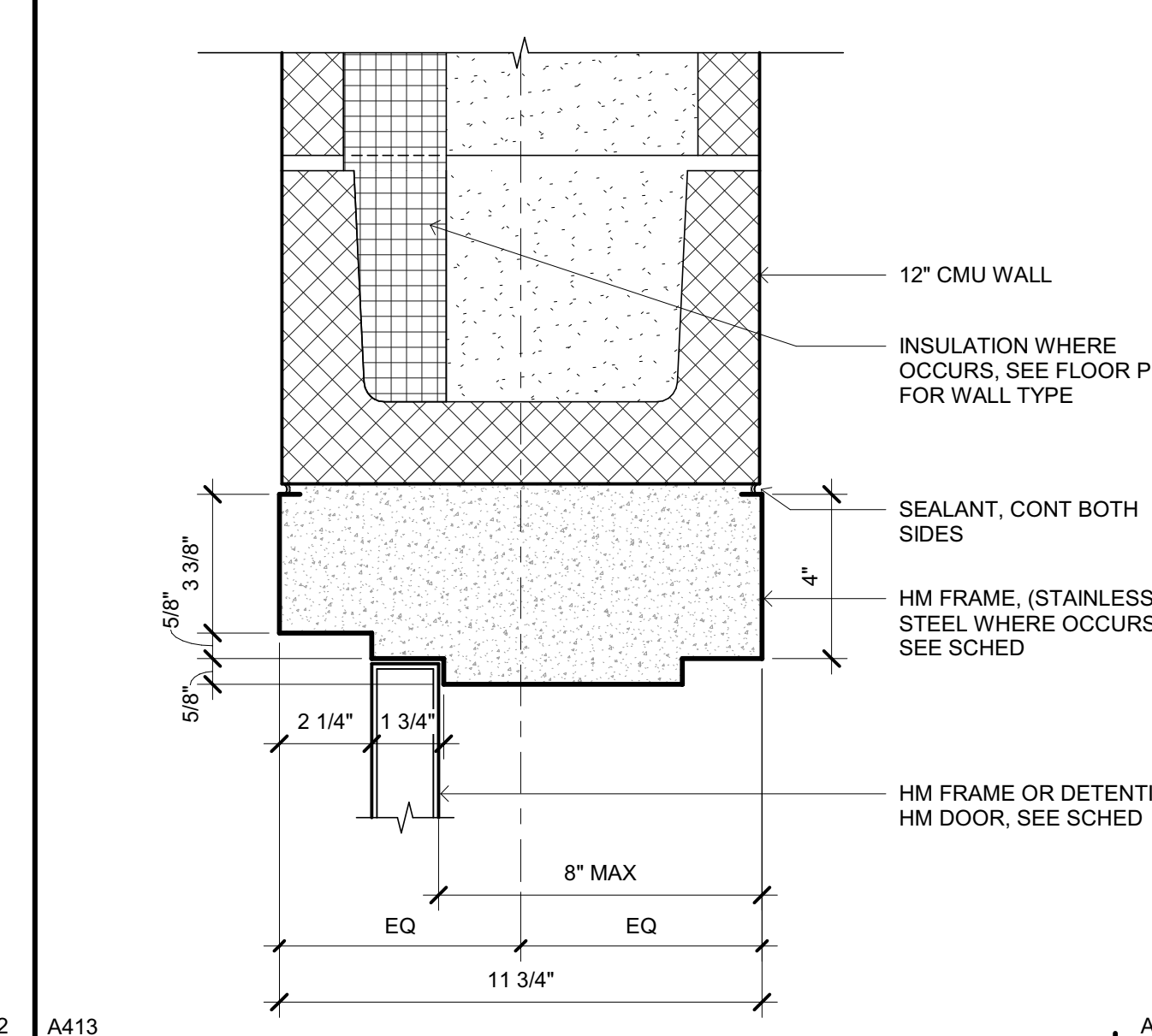
**GLAZING HEAD (JAMB/SILL SIM)**  
SCALE: 3" = 1'-0"



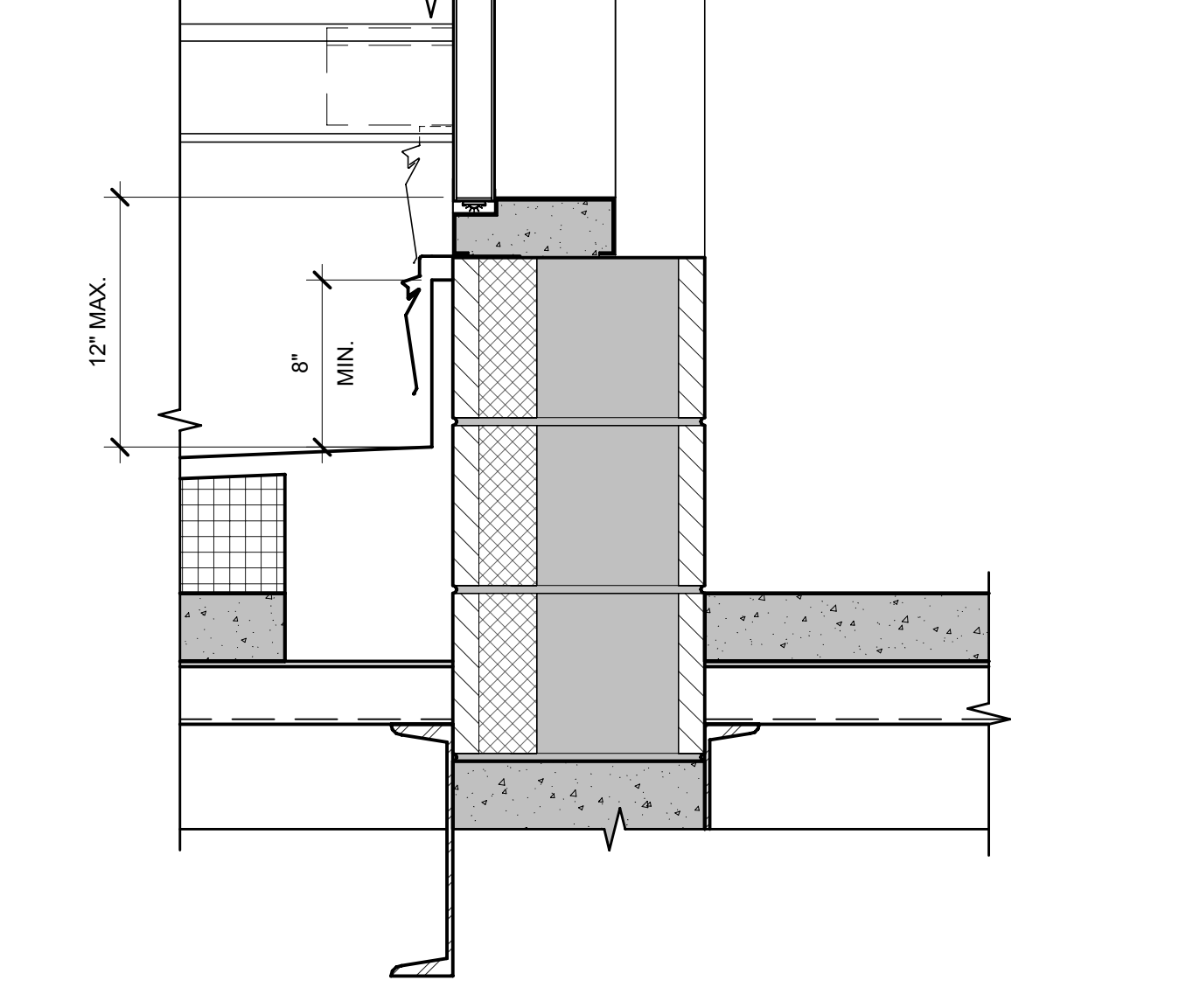
**DOOR/GLAZING UNIT JAMB**  
SCALE: 3" = 1'-0"



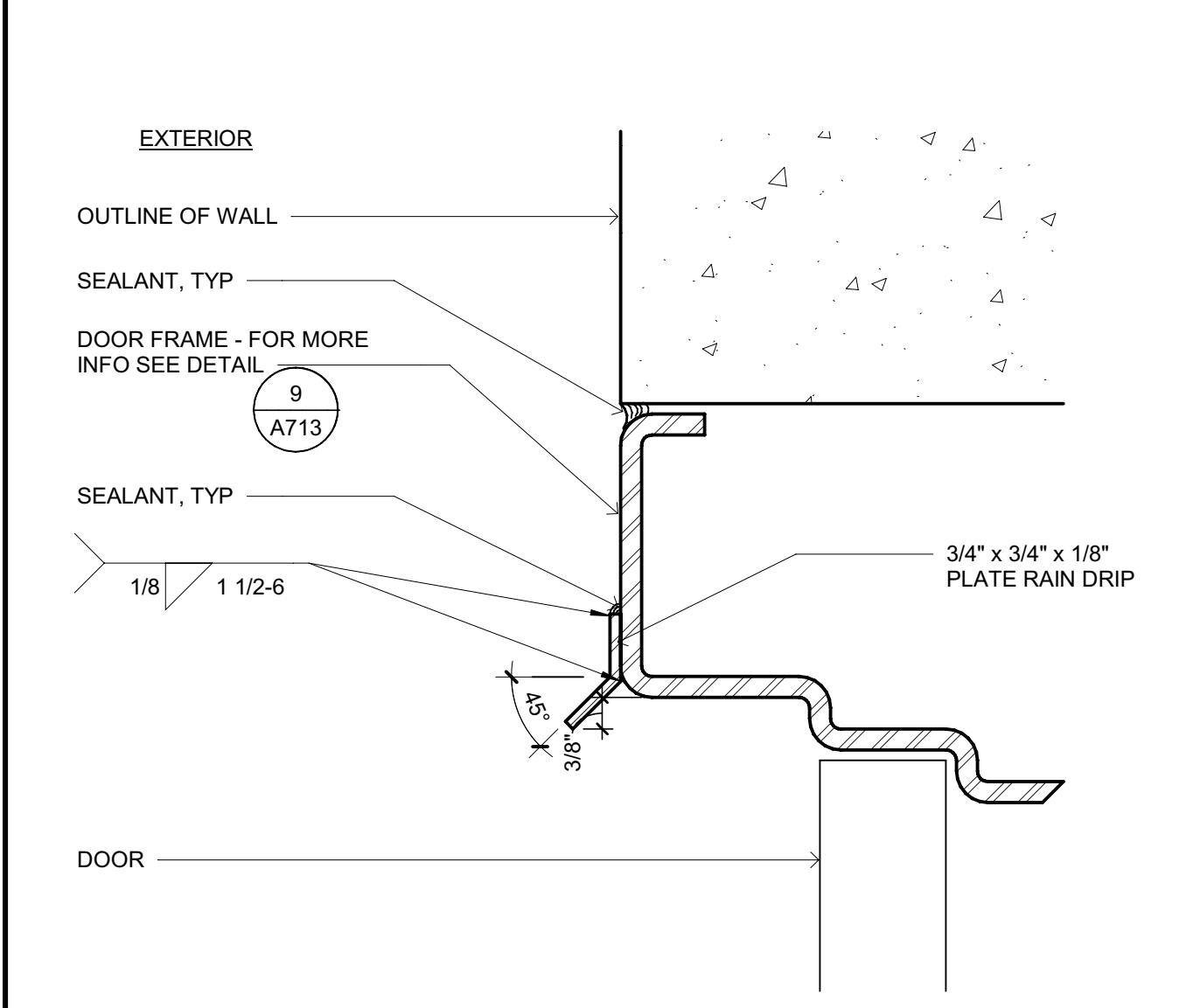
**MULLION**  
SCALE: 3" = 1'-0"



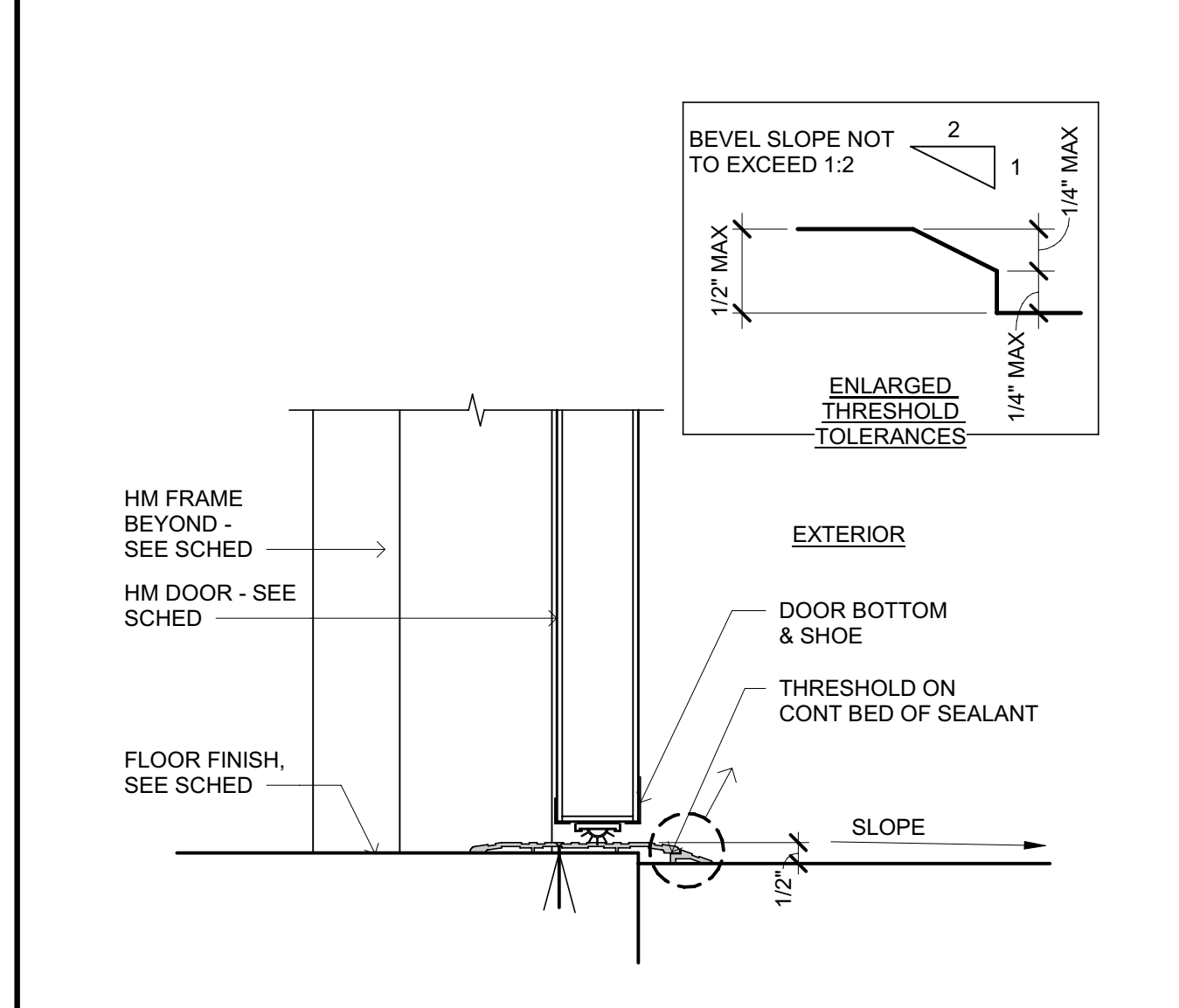
**DOOR HEAD AT 12" CMU**  
SCALE: 3" = 1'-0"



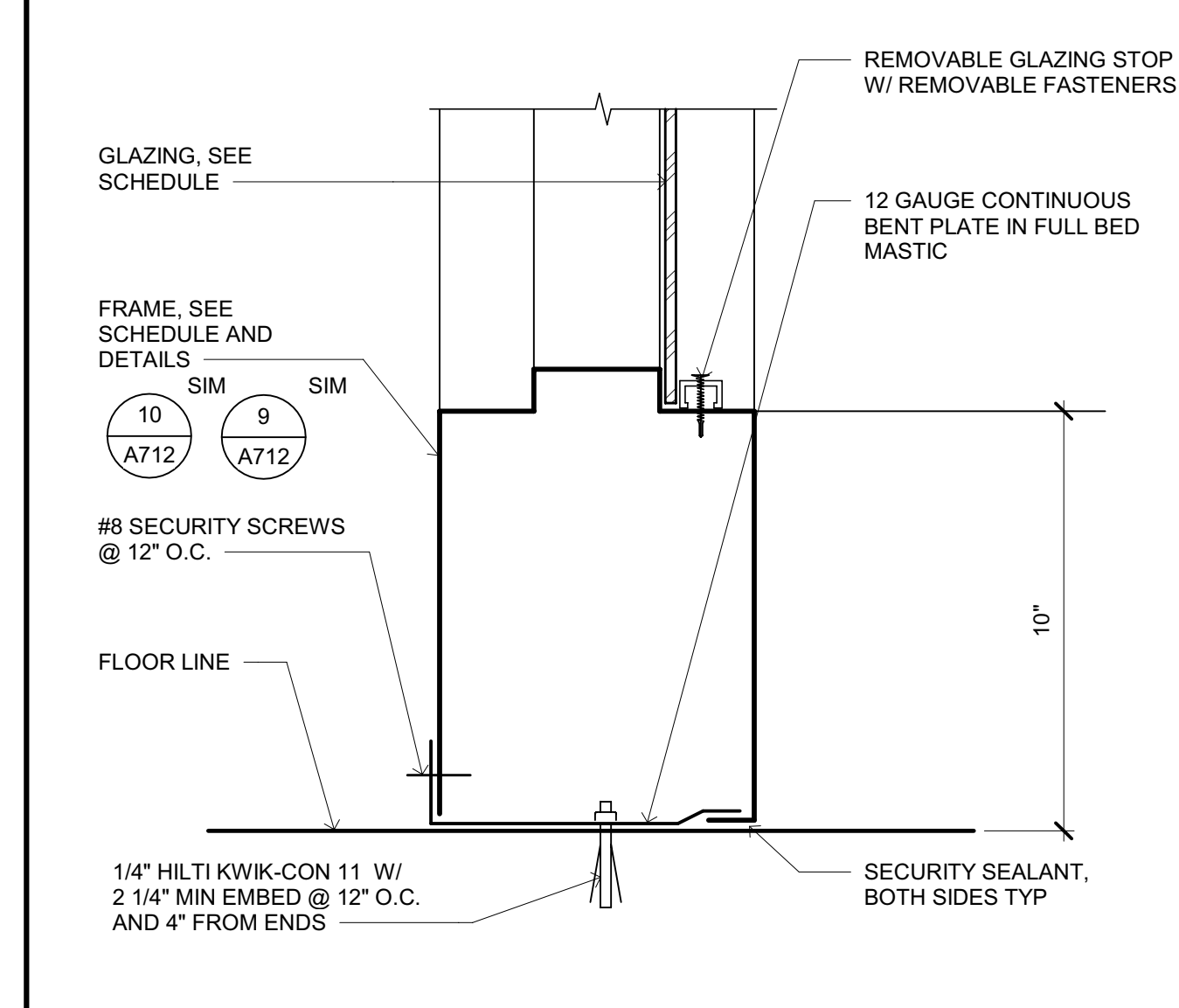
**DOOR THRESHOLD AT BRIDGE ROOF**  
SCALE: 1 1/2" = 1'-0"



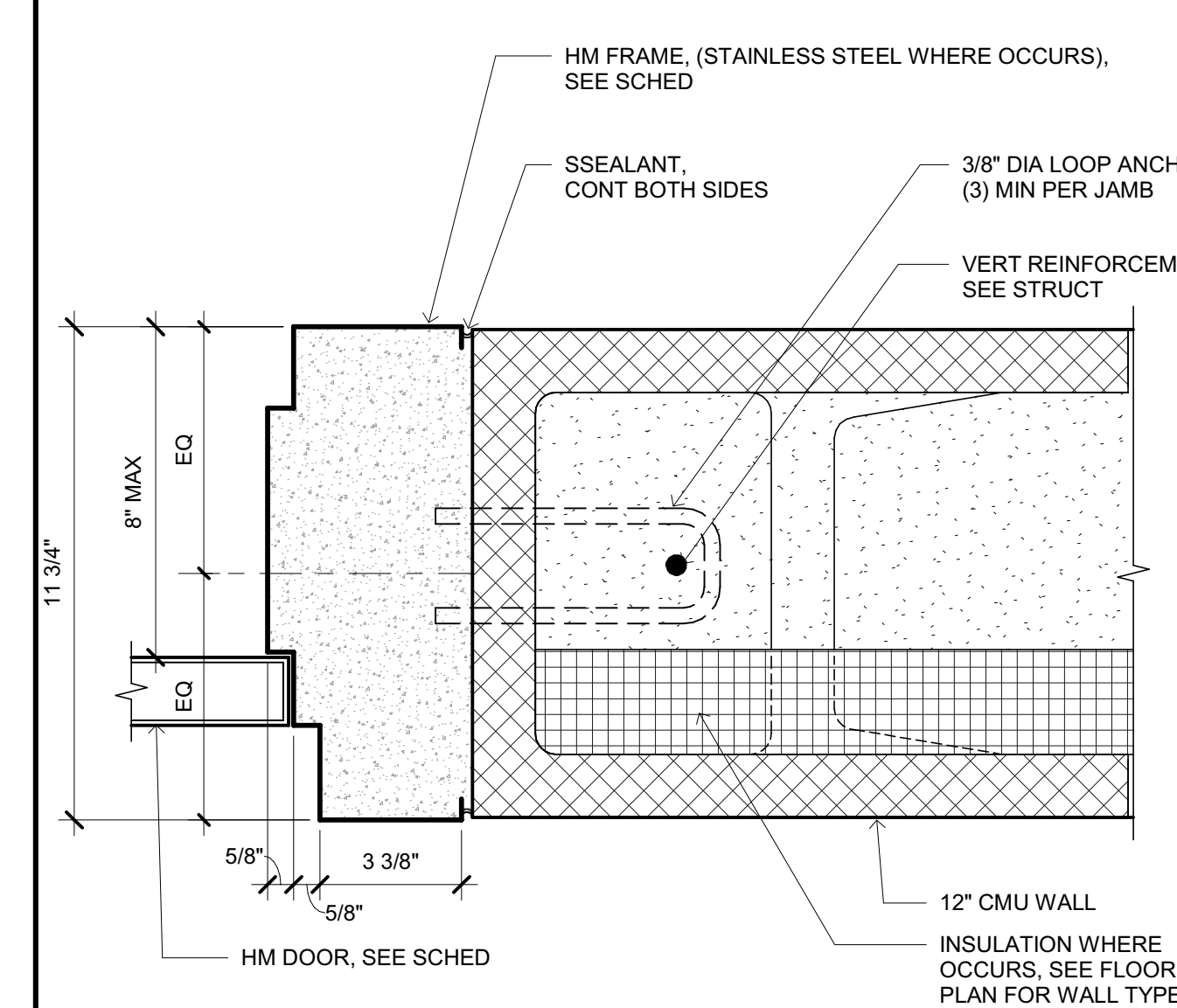
**RAIN DRIP AT EXTERIOR DOOR**  
SCALE: 6" = 1'-0"



**EXTERIOR DOOR THRESHOLD**  
SCALE: 3" = 1'-0"



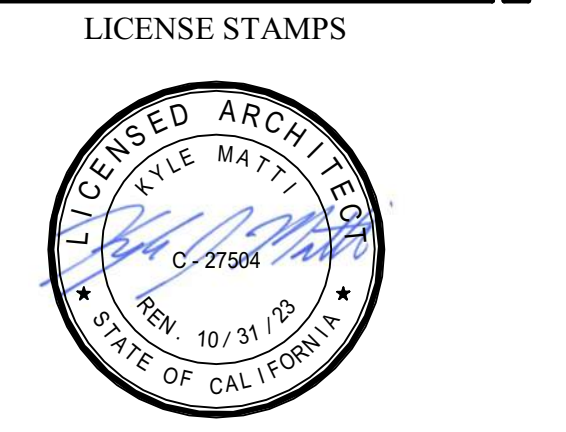
**DOOR/GLAZING UNIT SILL**  
SCALE: 3" = 1'-0"



**DOOR JAMB AT 12" CMU**  
SCALE: 3" = 1'-0"



Approval of this plan book is to authorize or approve any construction or installation from applicable regulations. Approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.



**PROJECT NAME**  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**  
**DOOR AND FRAME DETAILS**

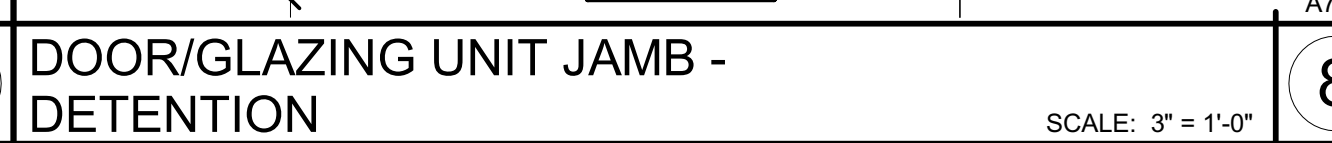
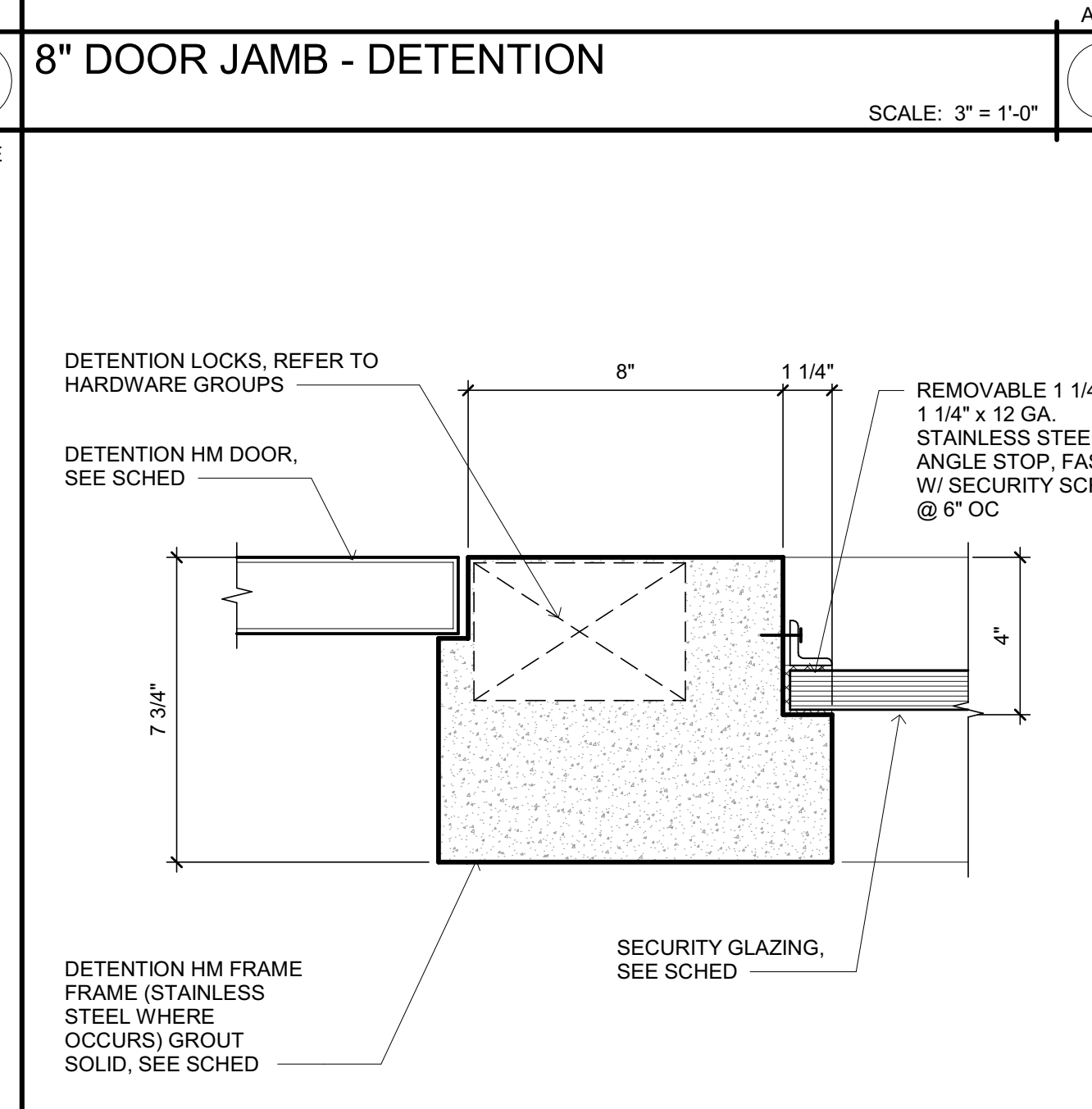
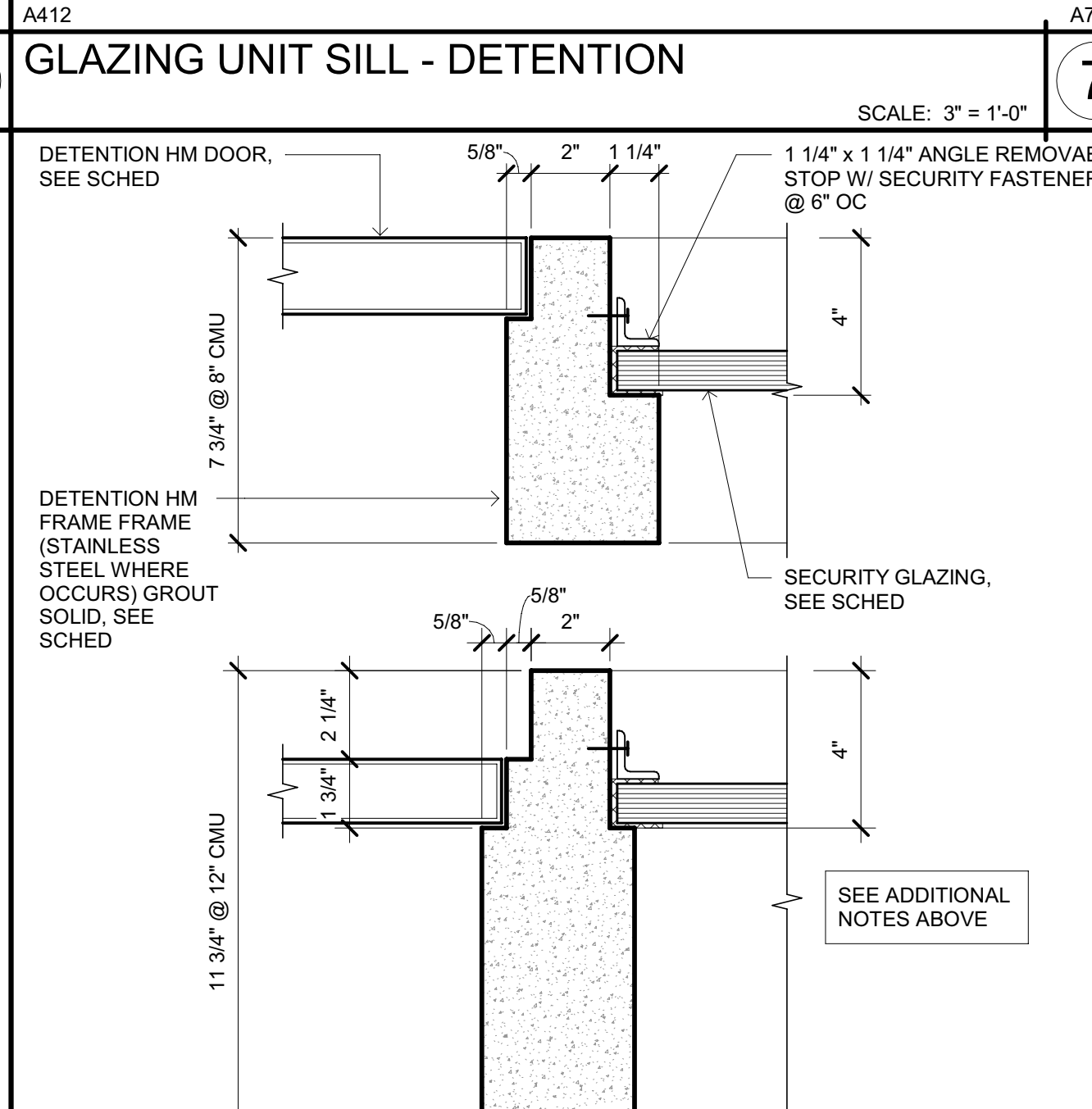
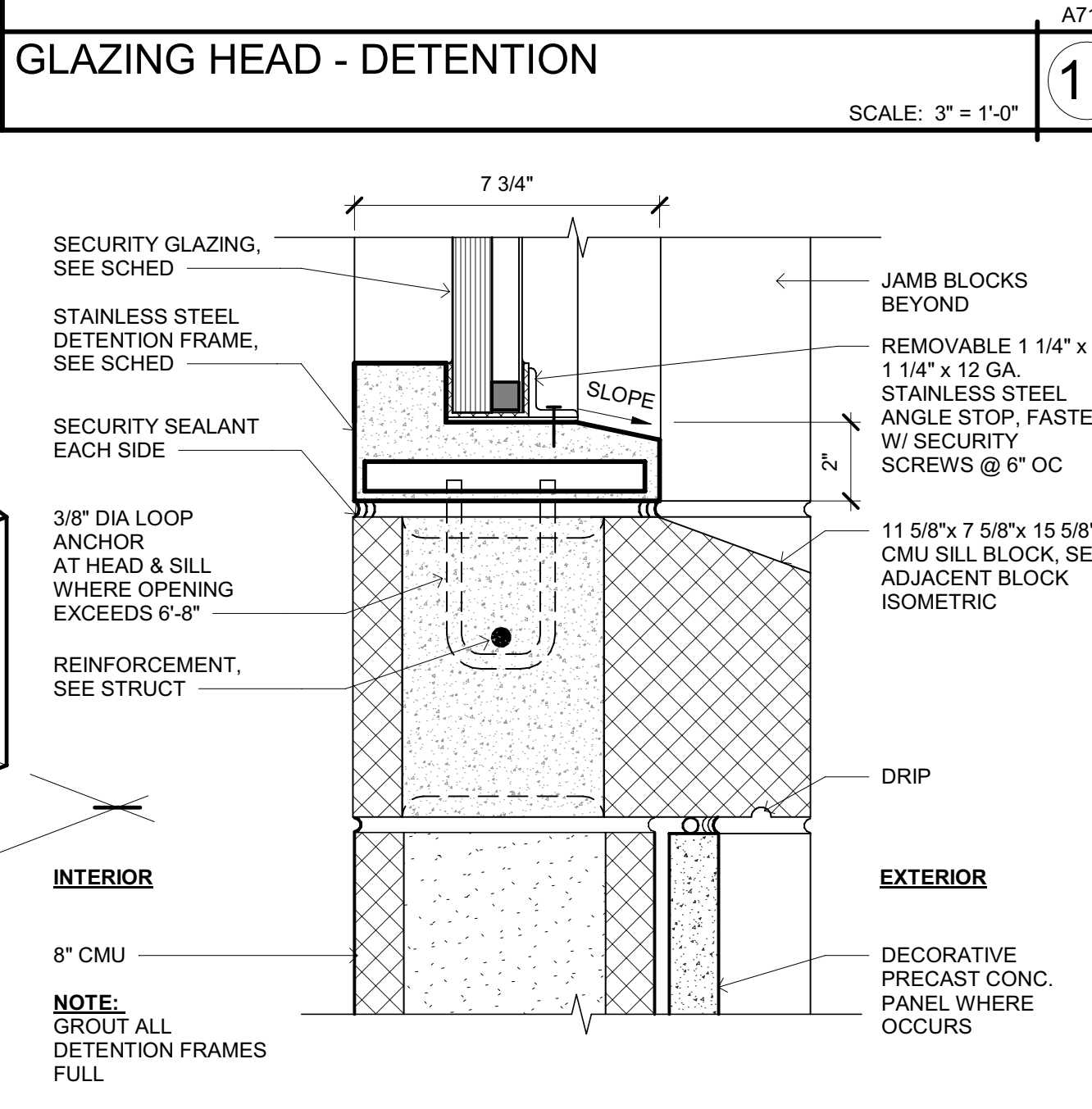
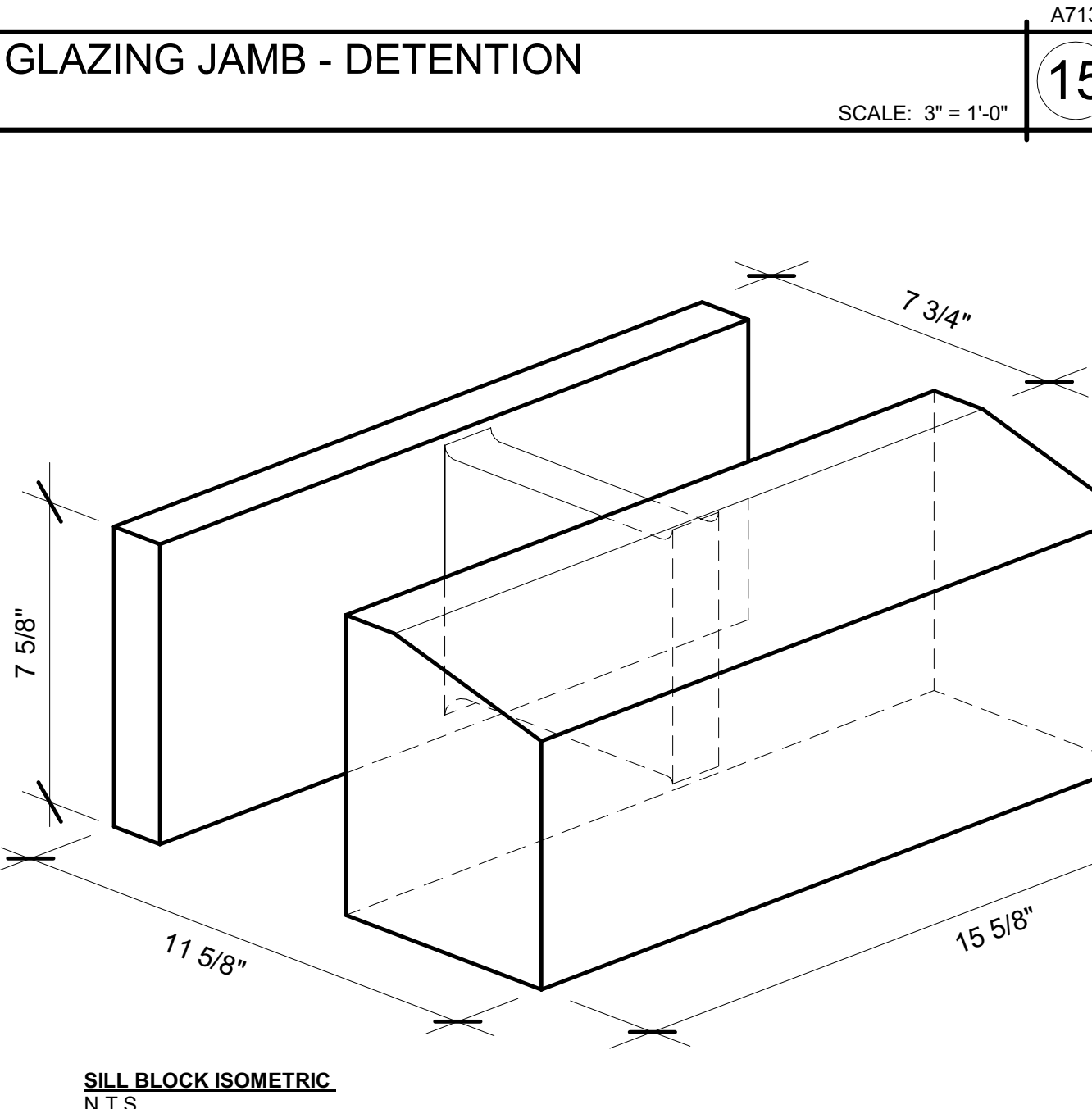
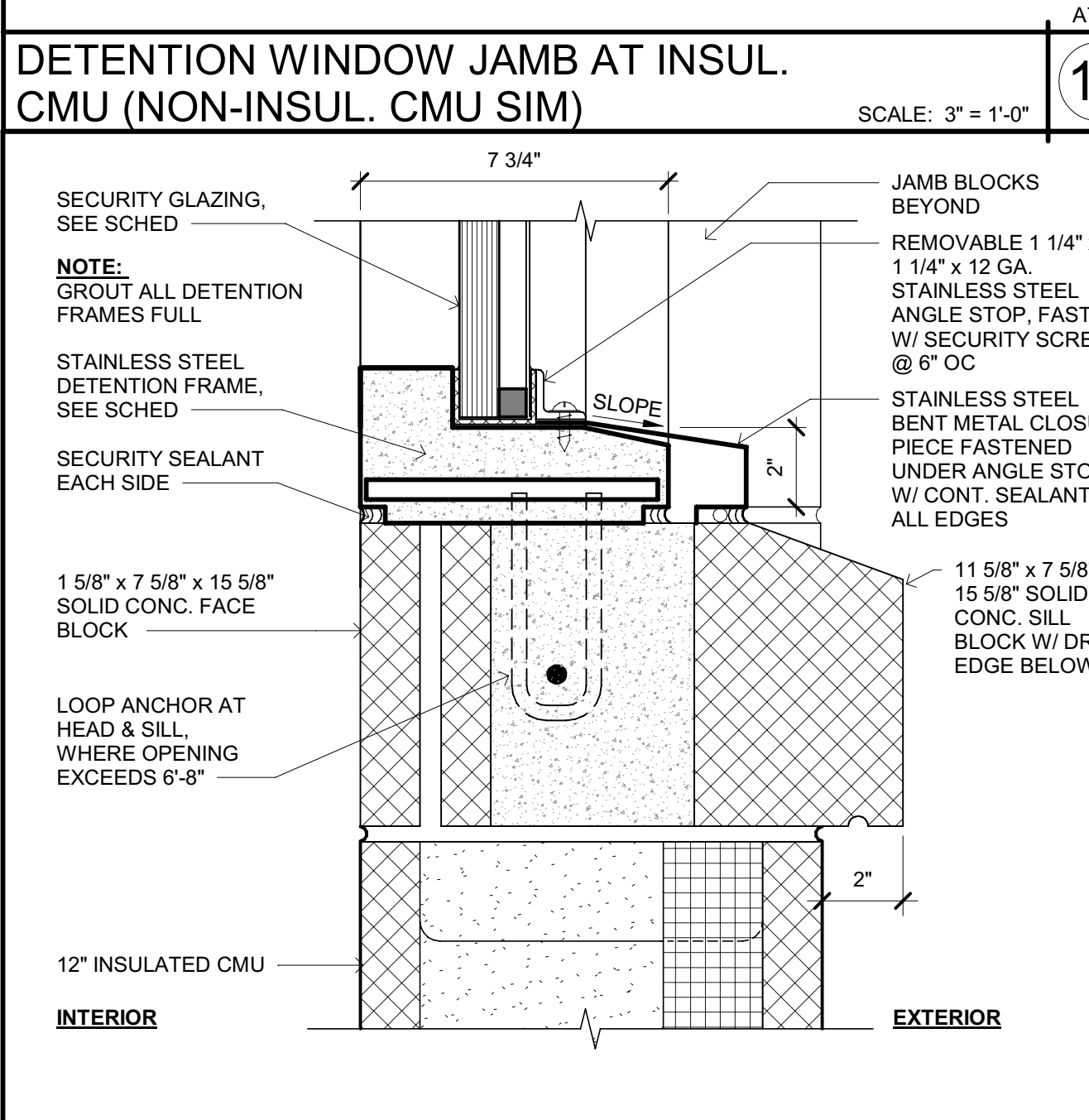
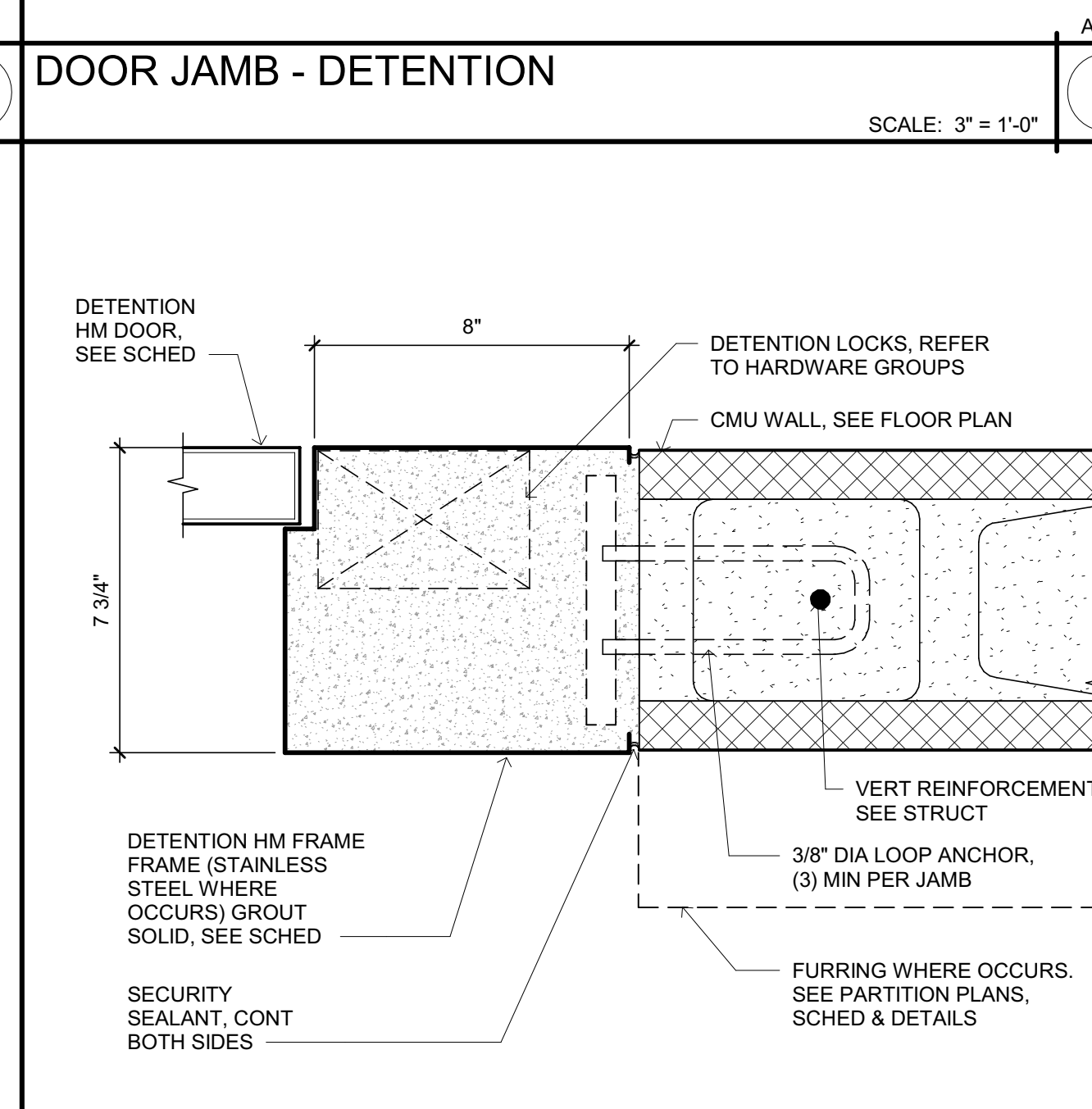
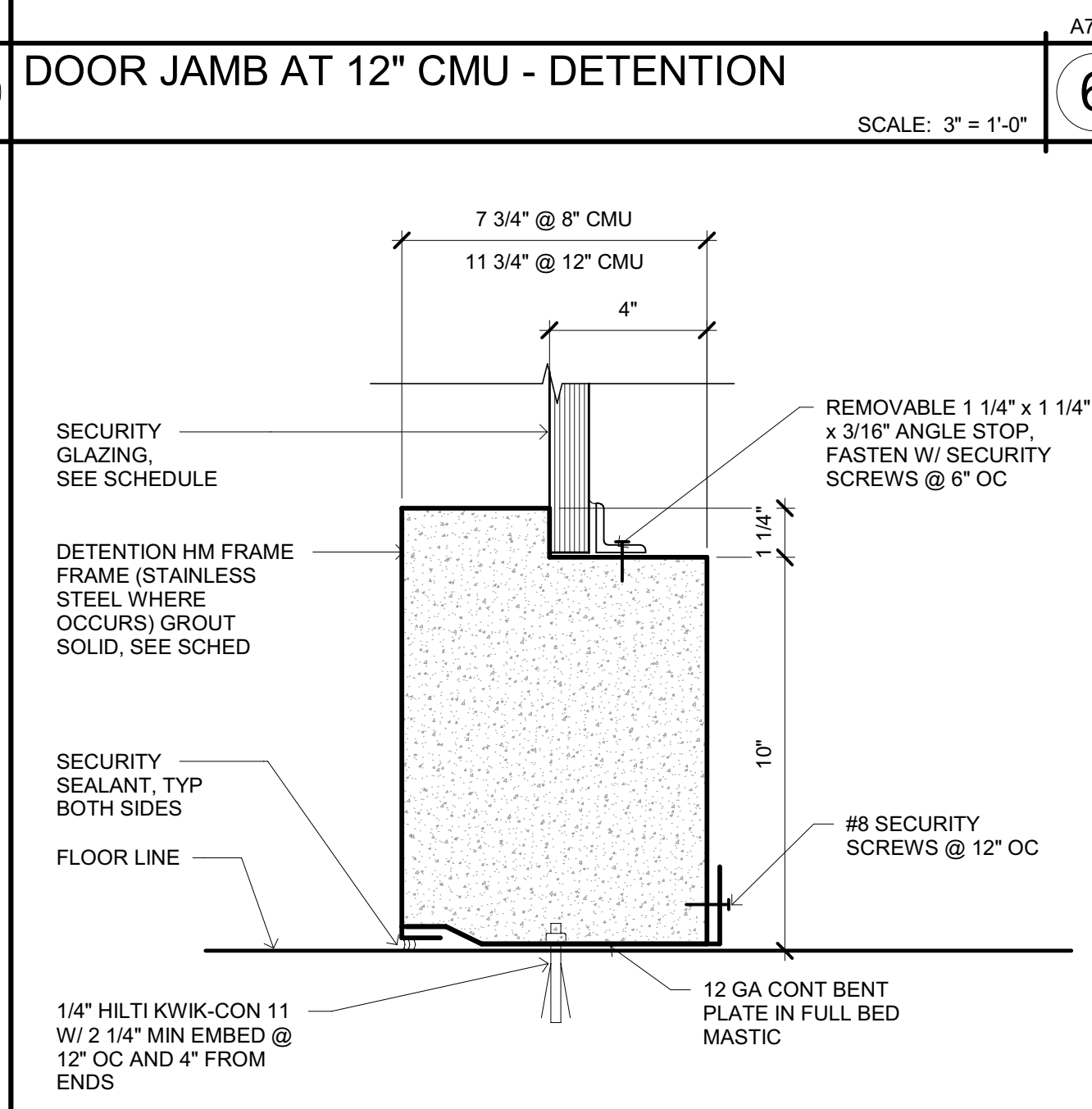
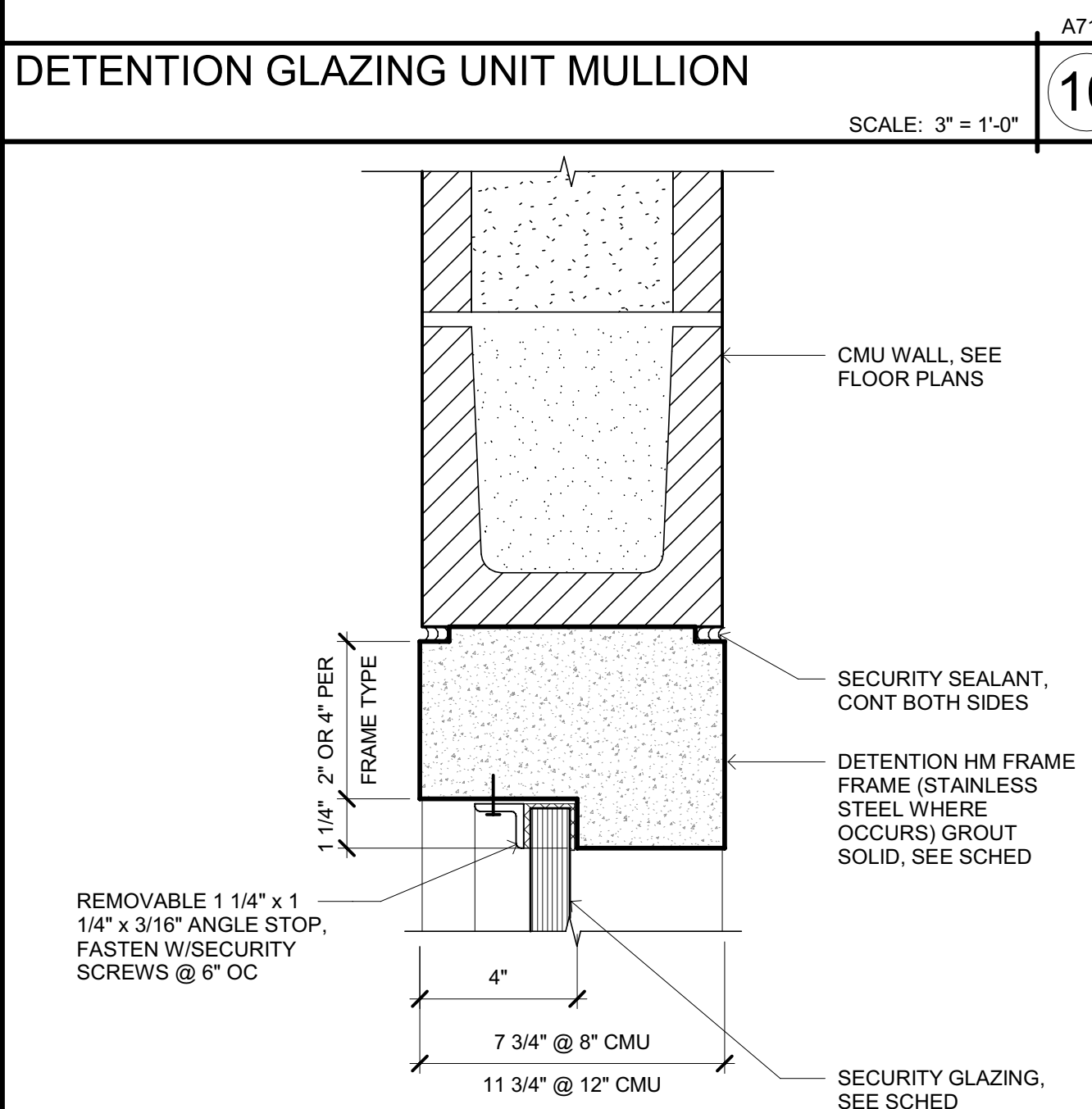
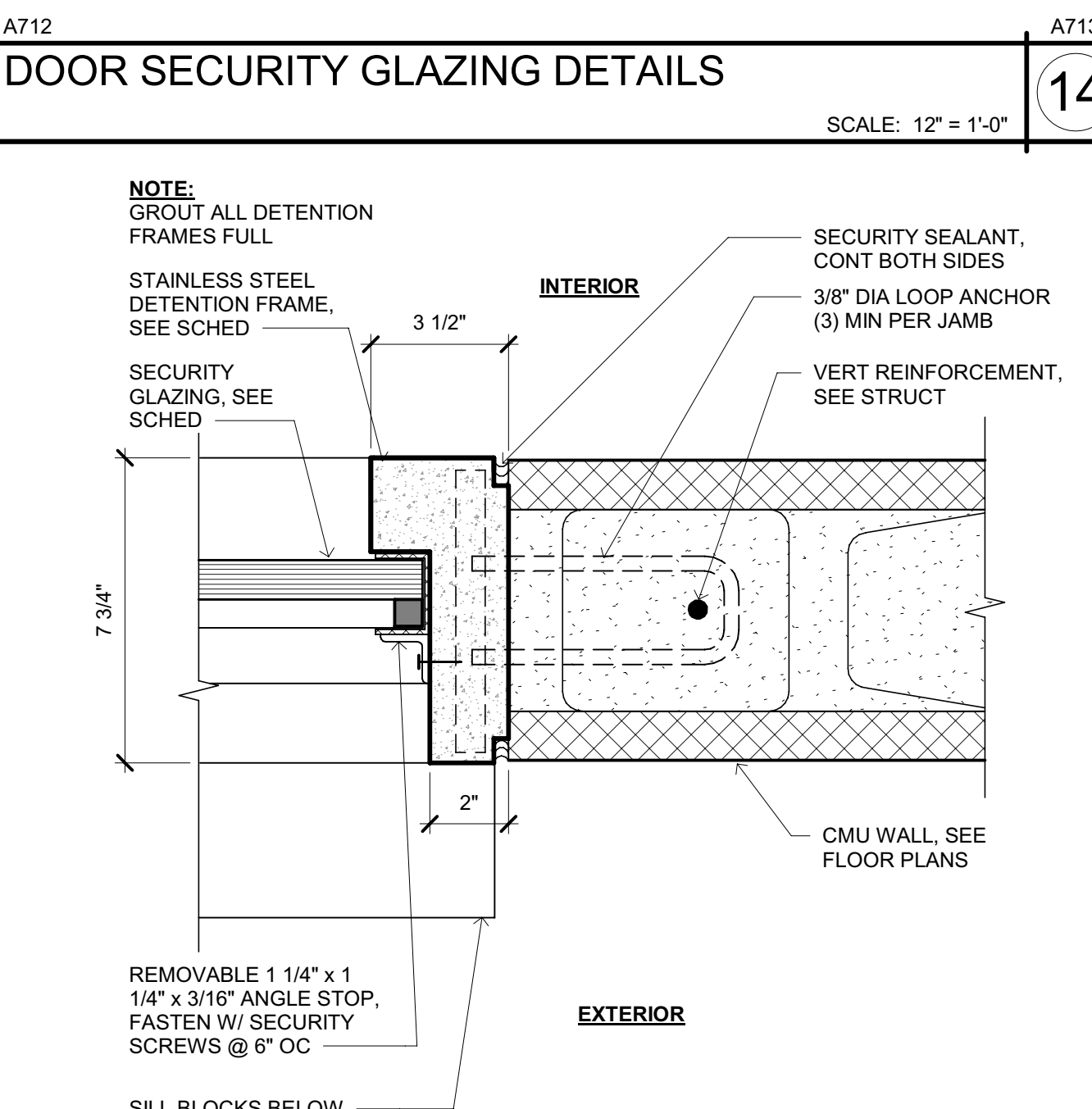
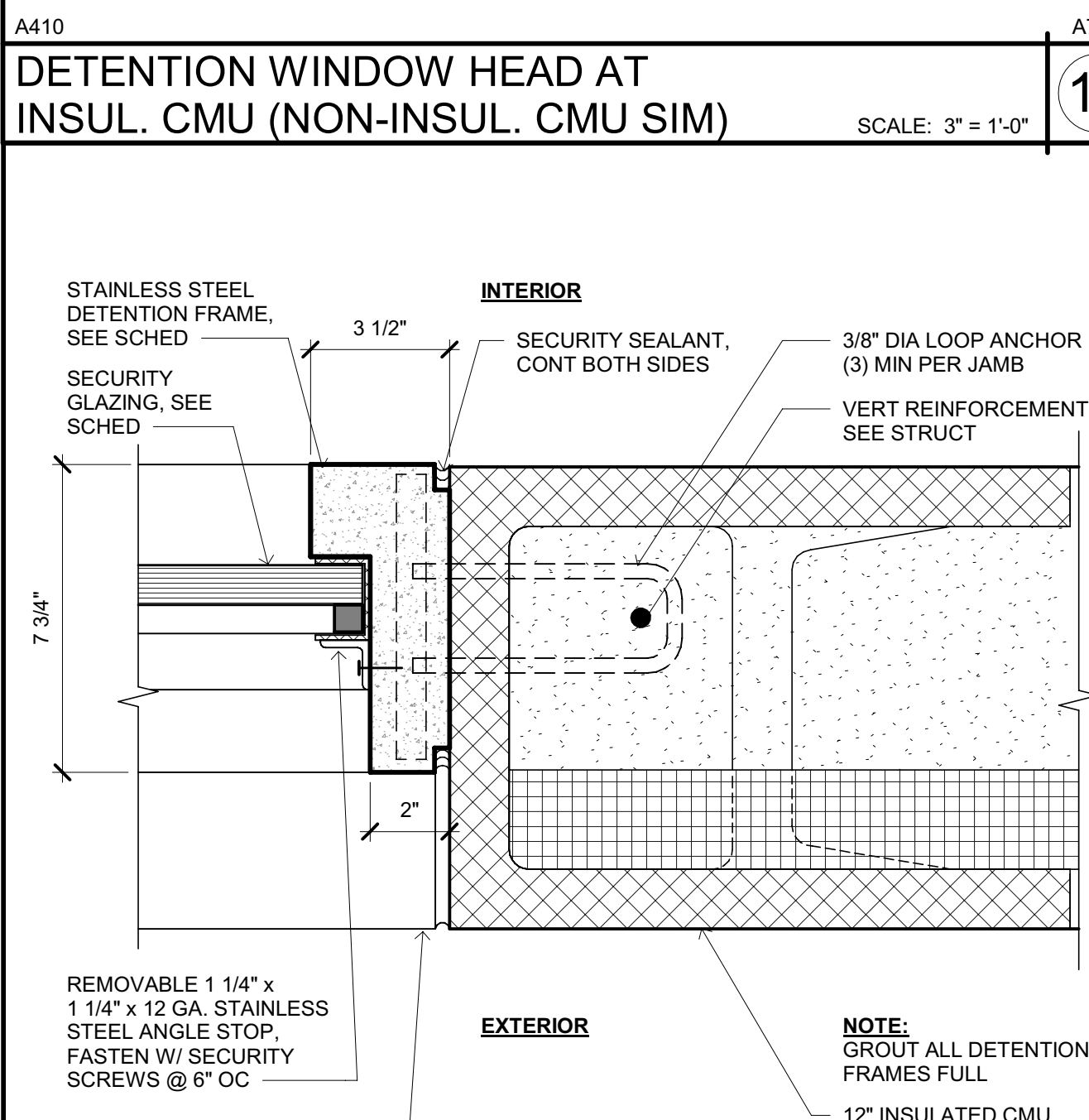
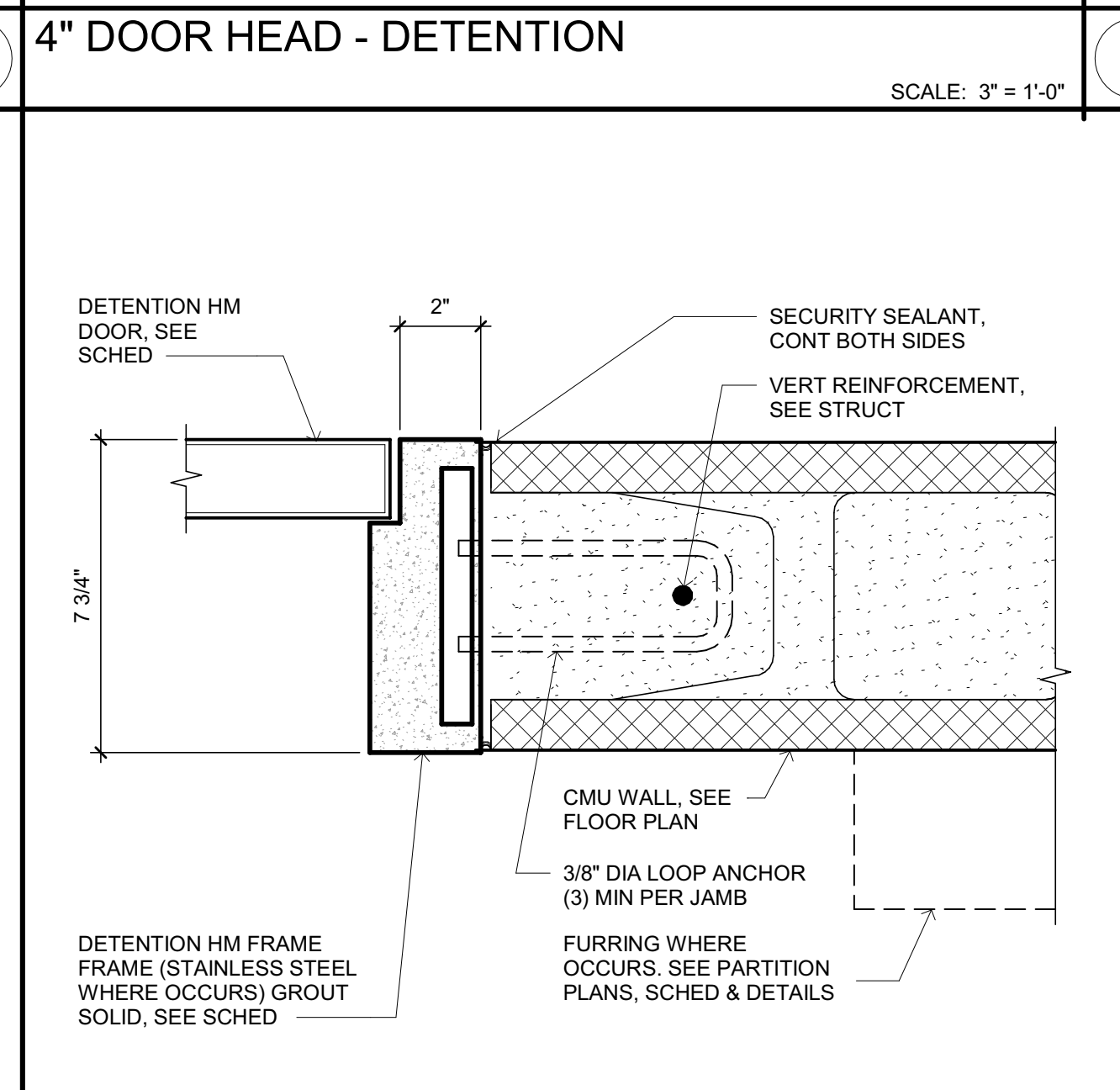
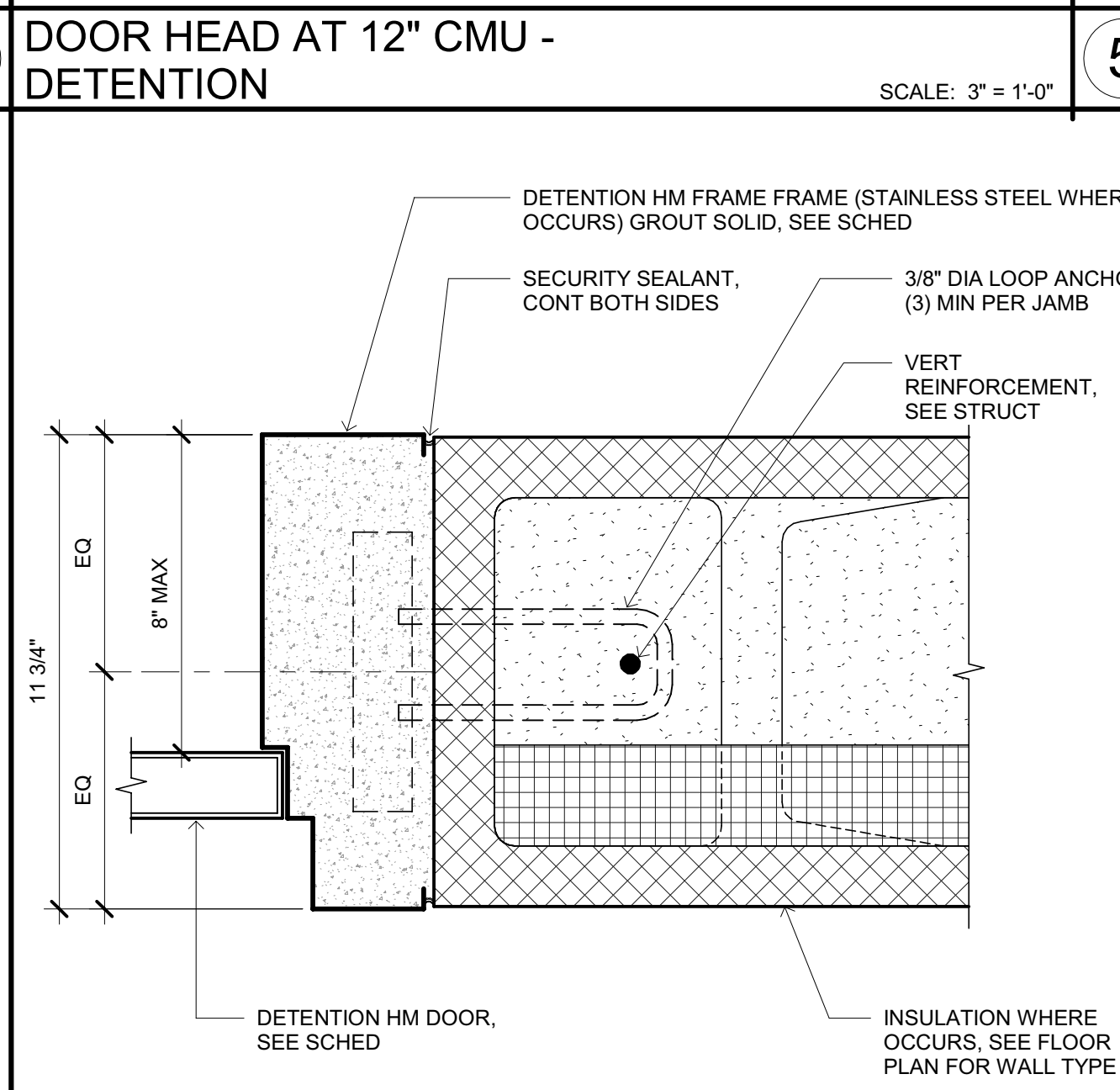
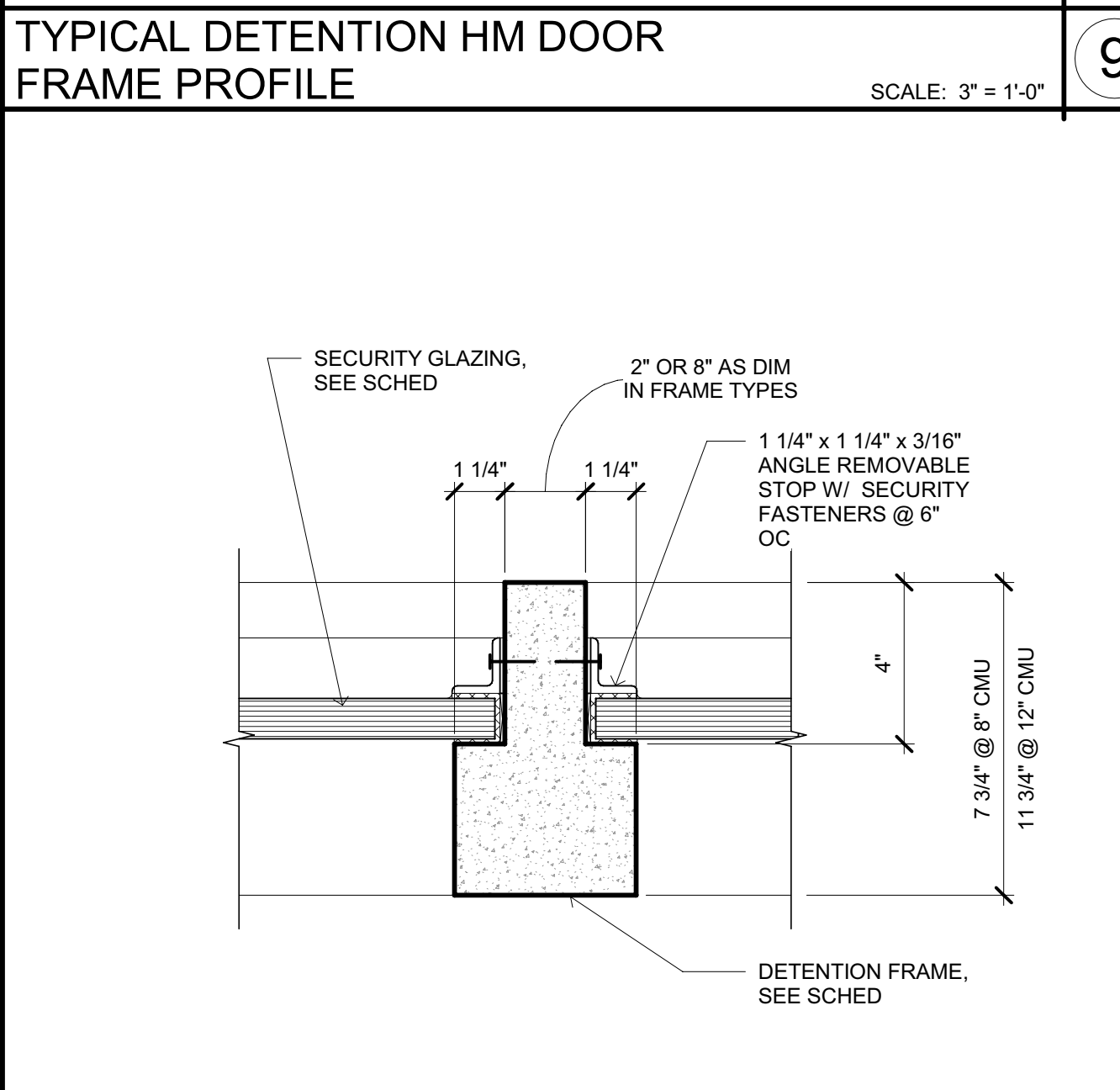
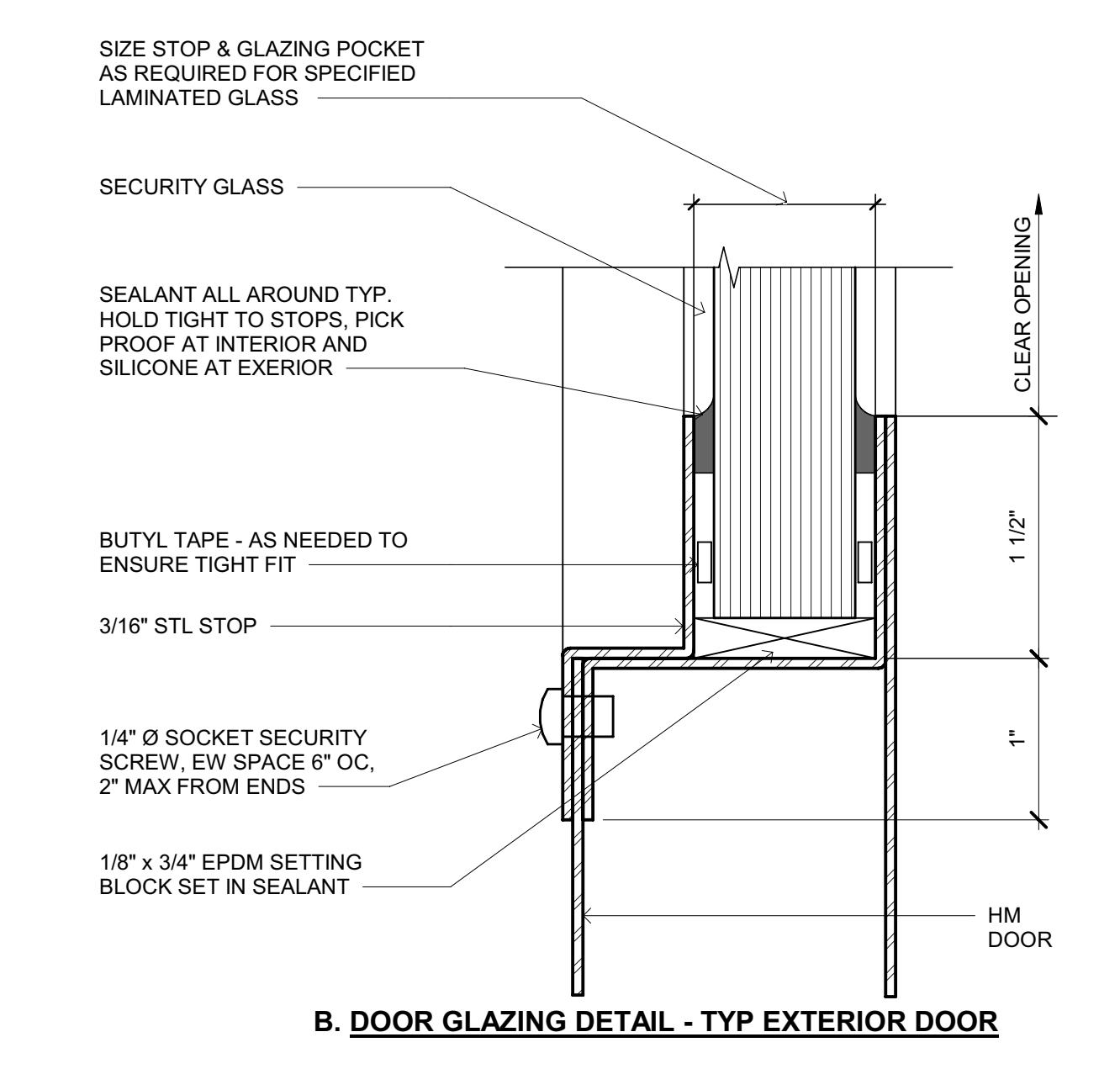
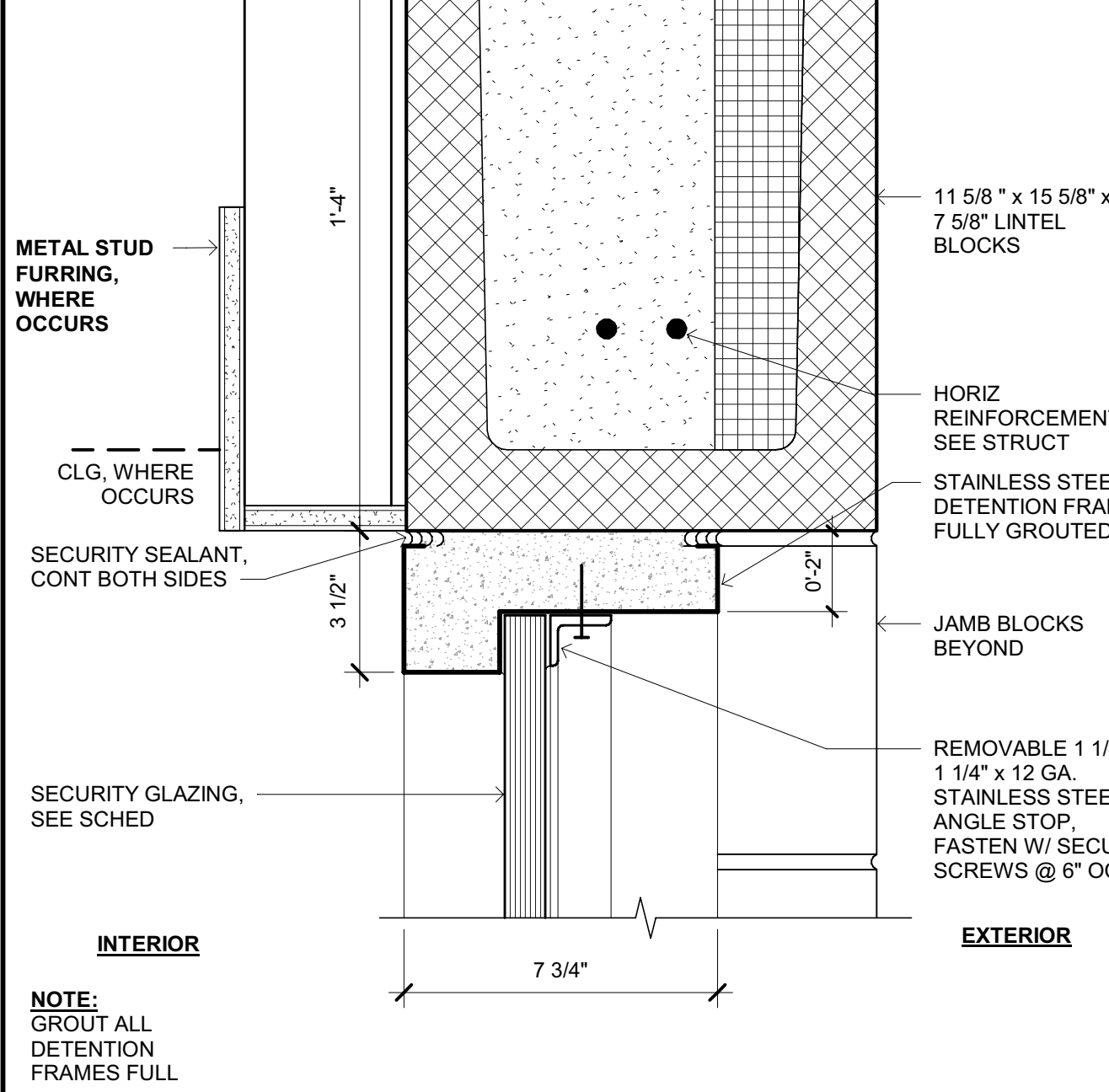
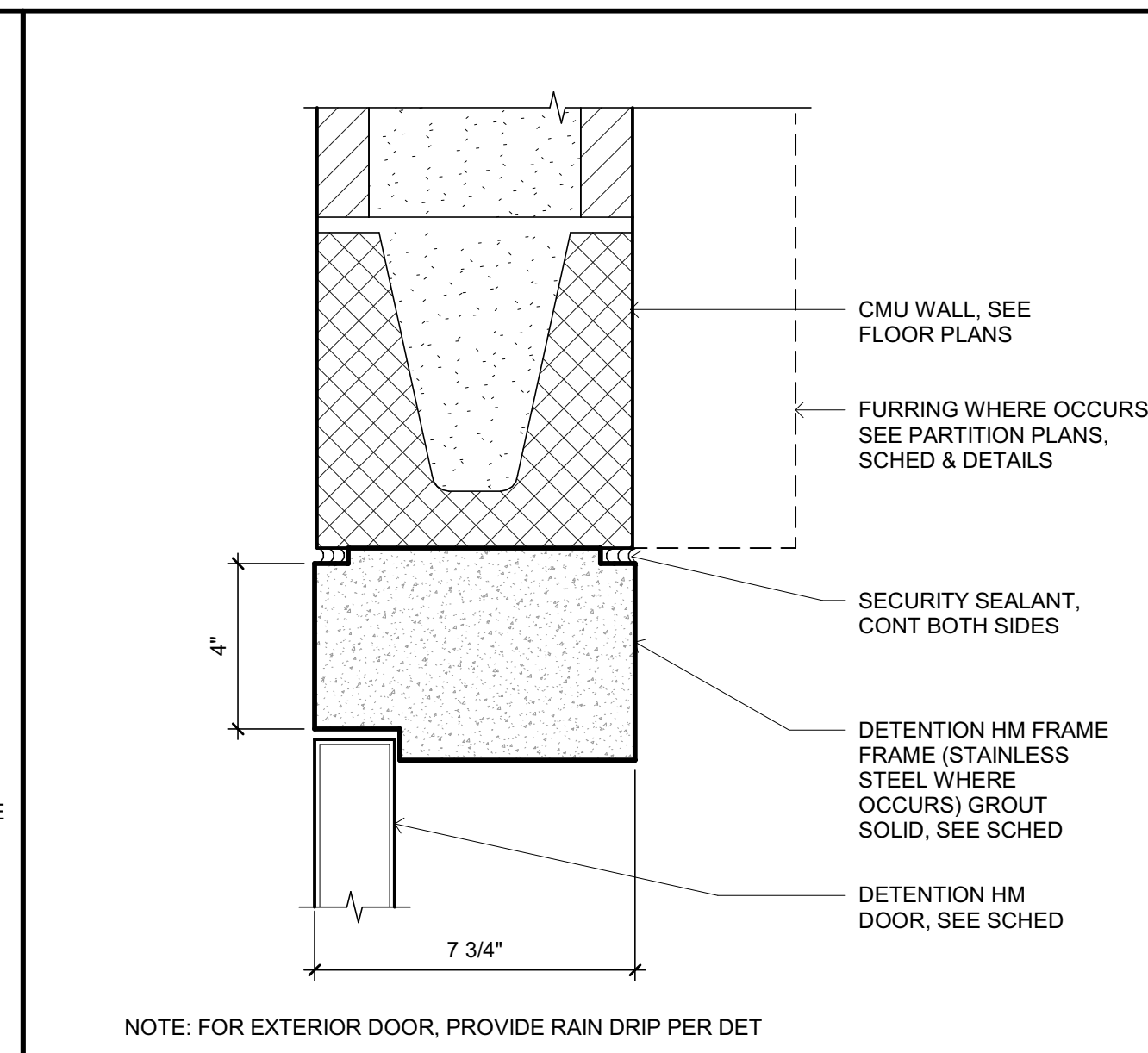
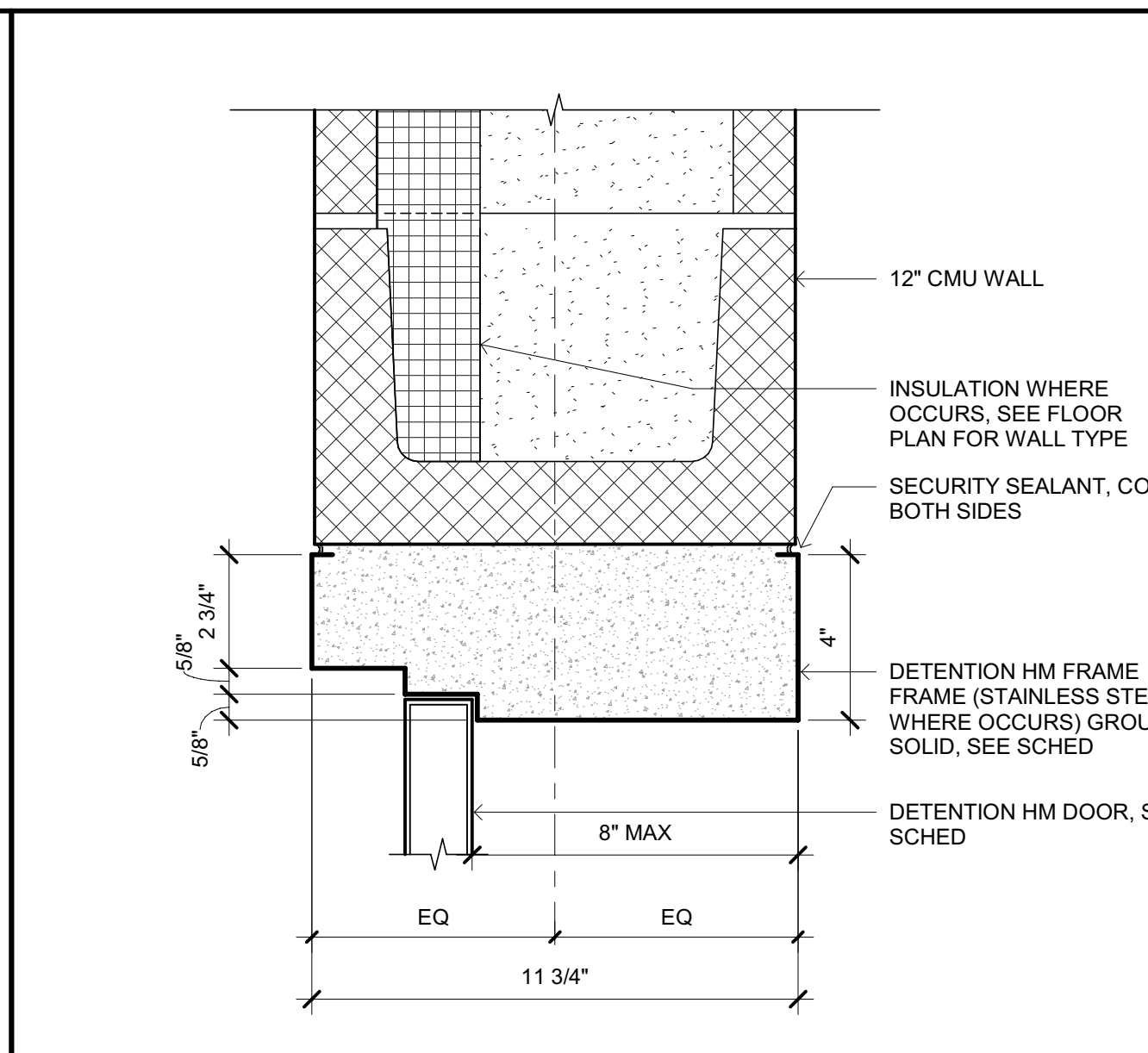
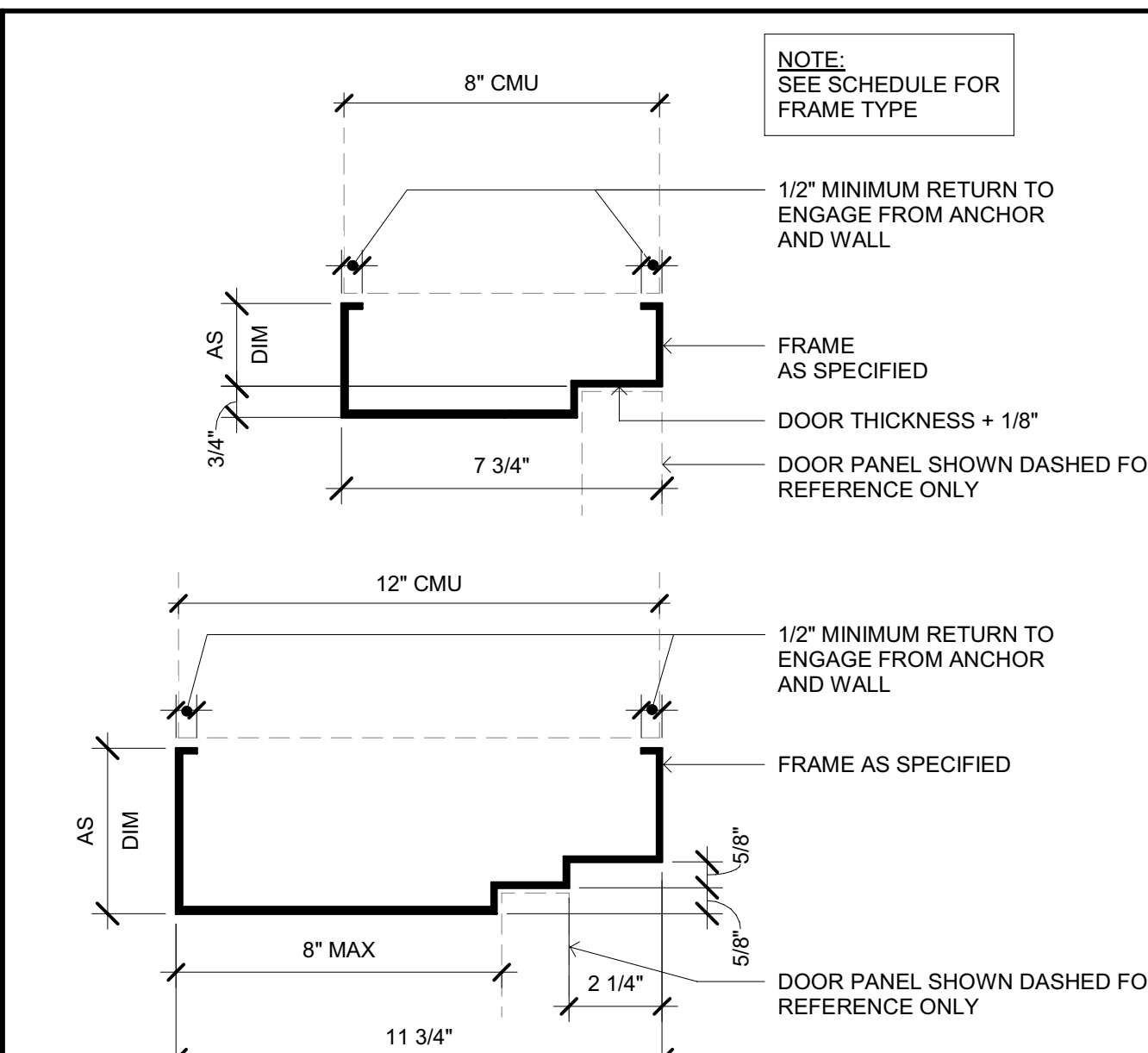
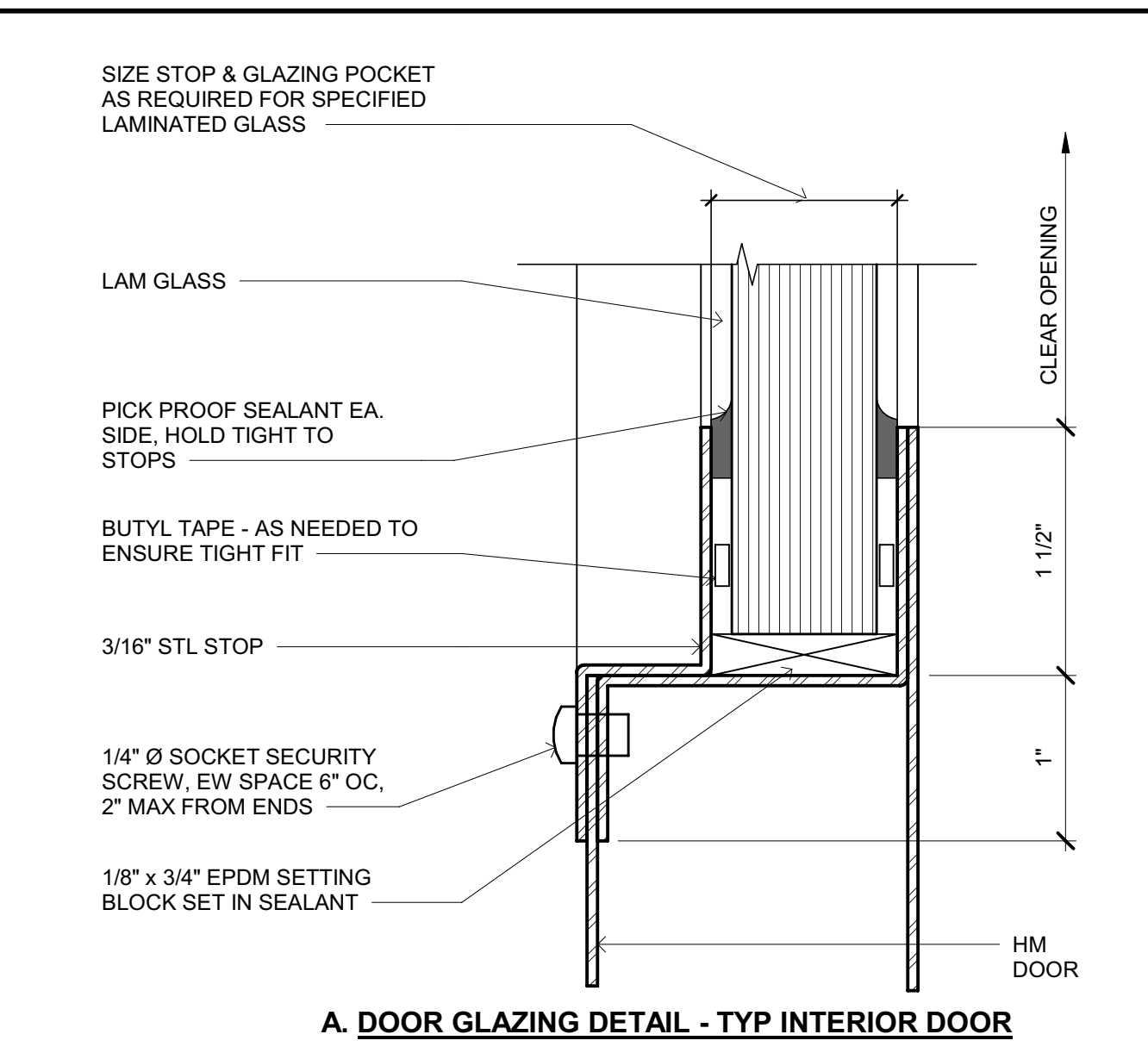
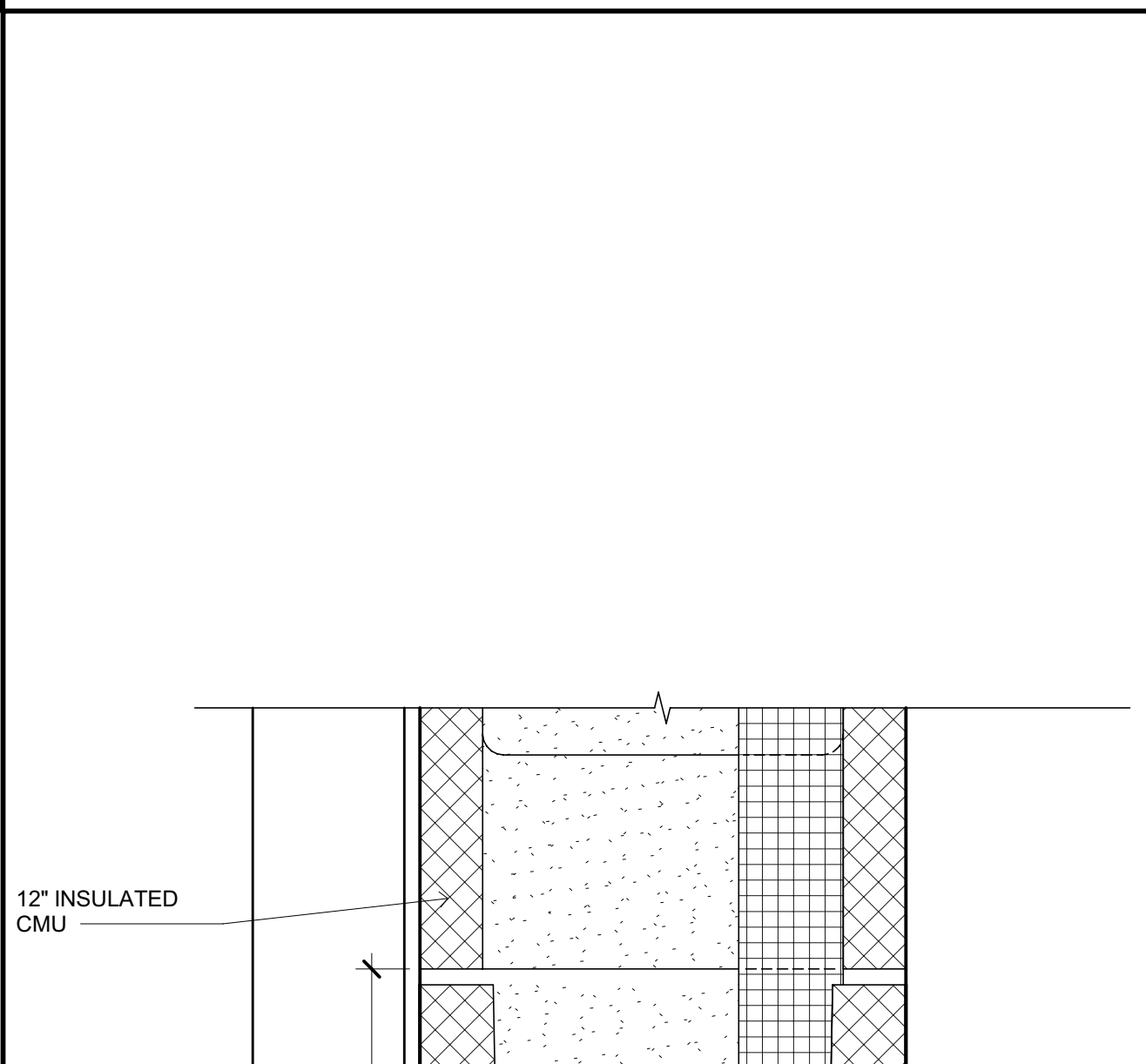
**DRAWING STATUS**  
WORKING DRAWINGS

REVISIONS		
Delta	Description	Date

**Drawn By** LIONAKIS  
**Date Issued** 09.19.2022  
**Scale** As indicated  
**Project No.** 16-6421.00

**SHEET No.**  
**A712 V4**

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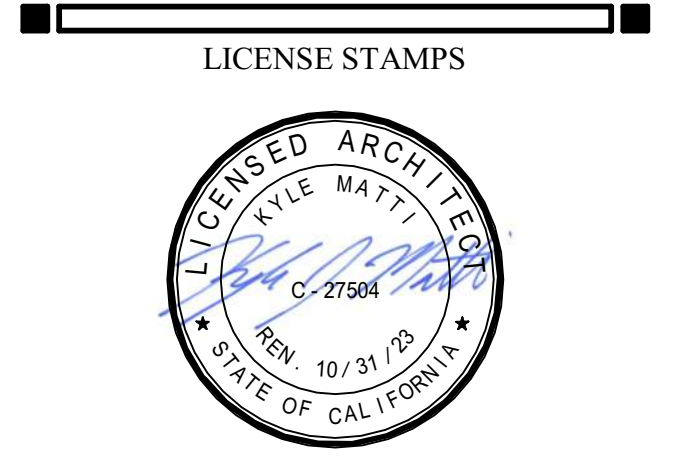


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NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT  
**LIONAKIS** CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**DOOR, FRAME AND WINDOW DETAILS**

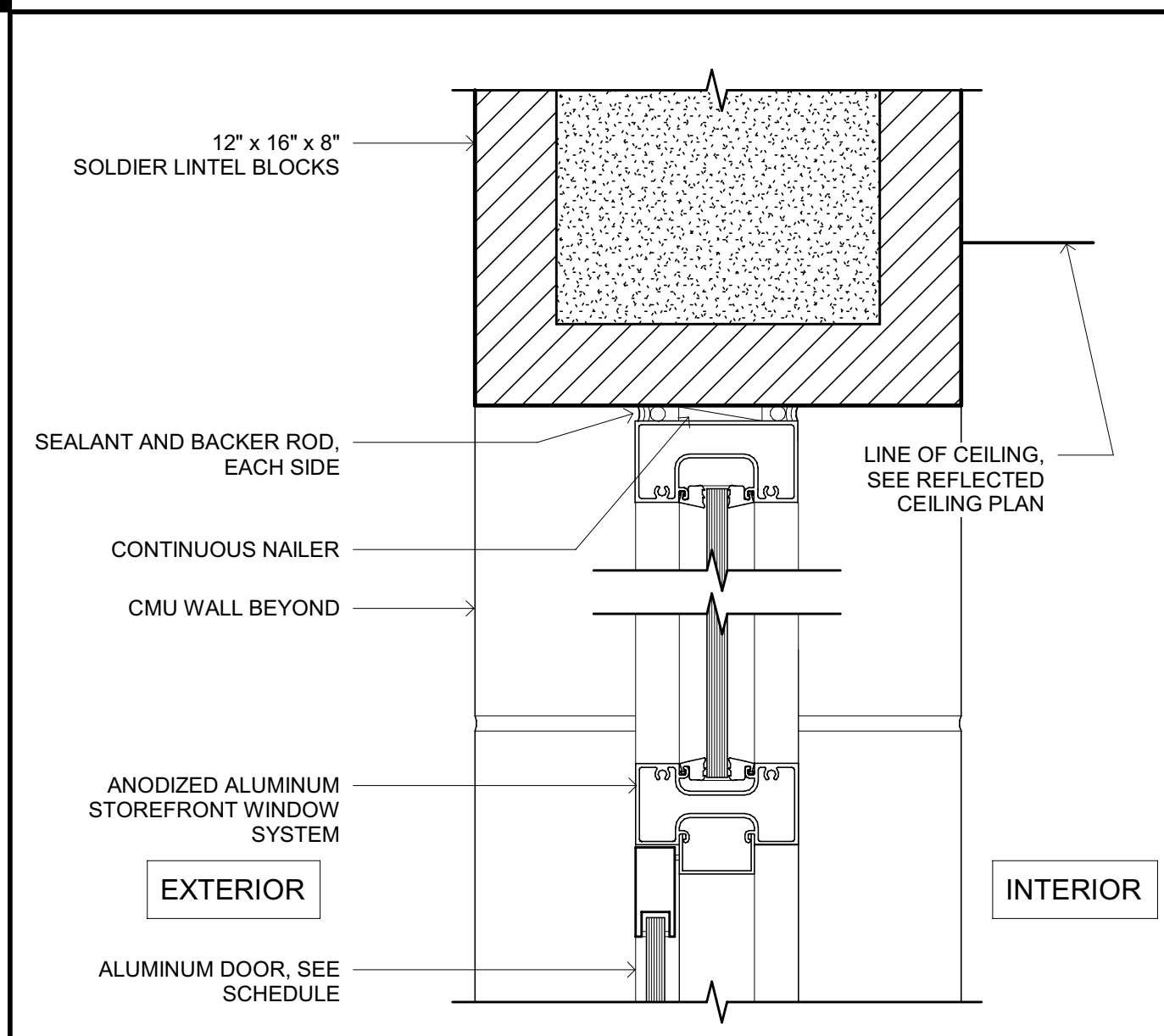
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	LIONAKIS
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A713 V4**

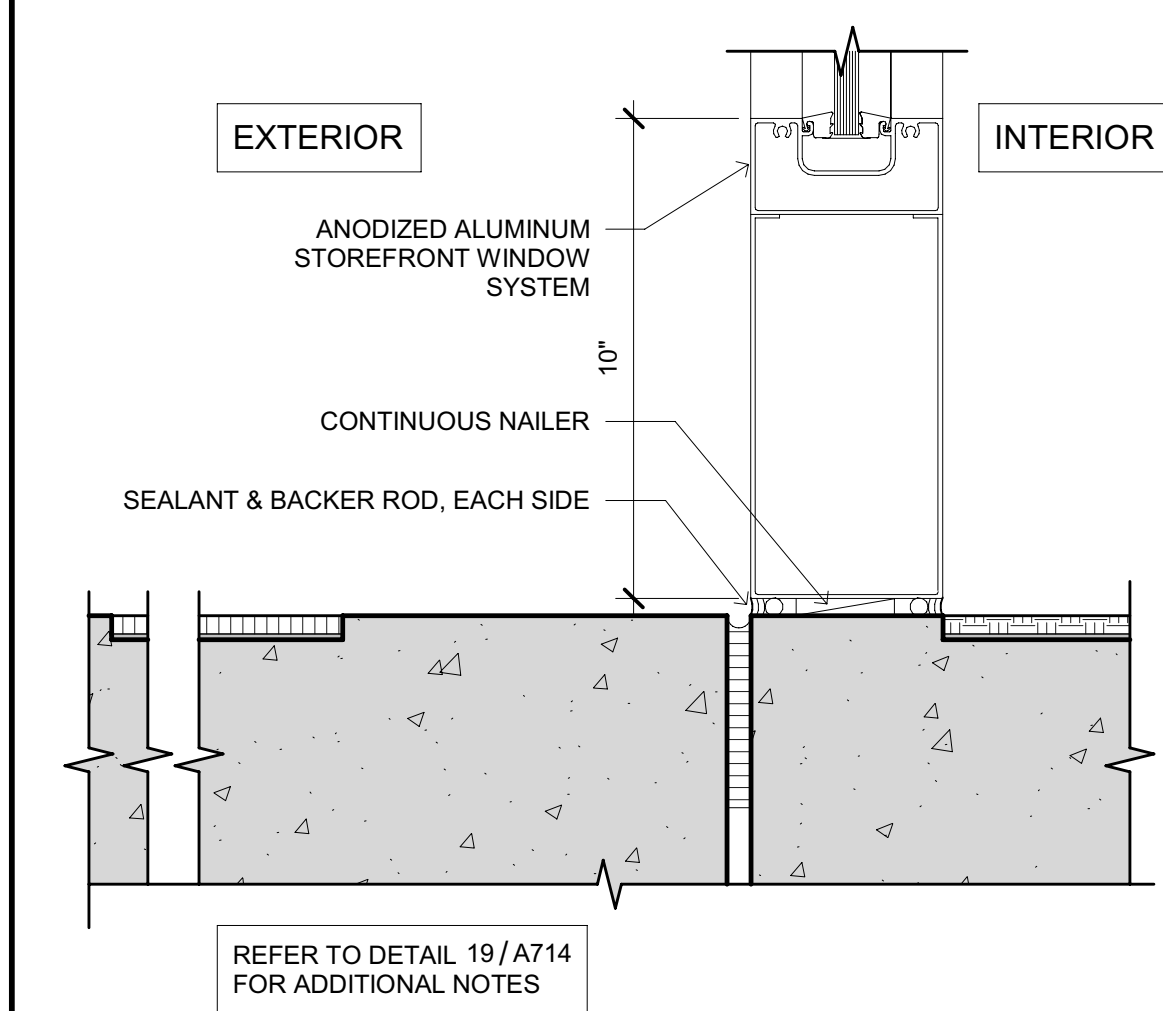




ALUM. ENTRY HEAD @ LOBBY (JAMB SIM)

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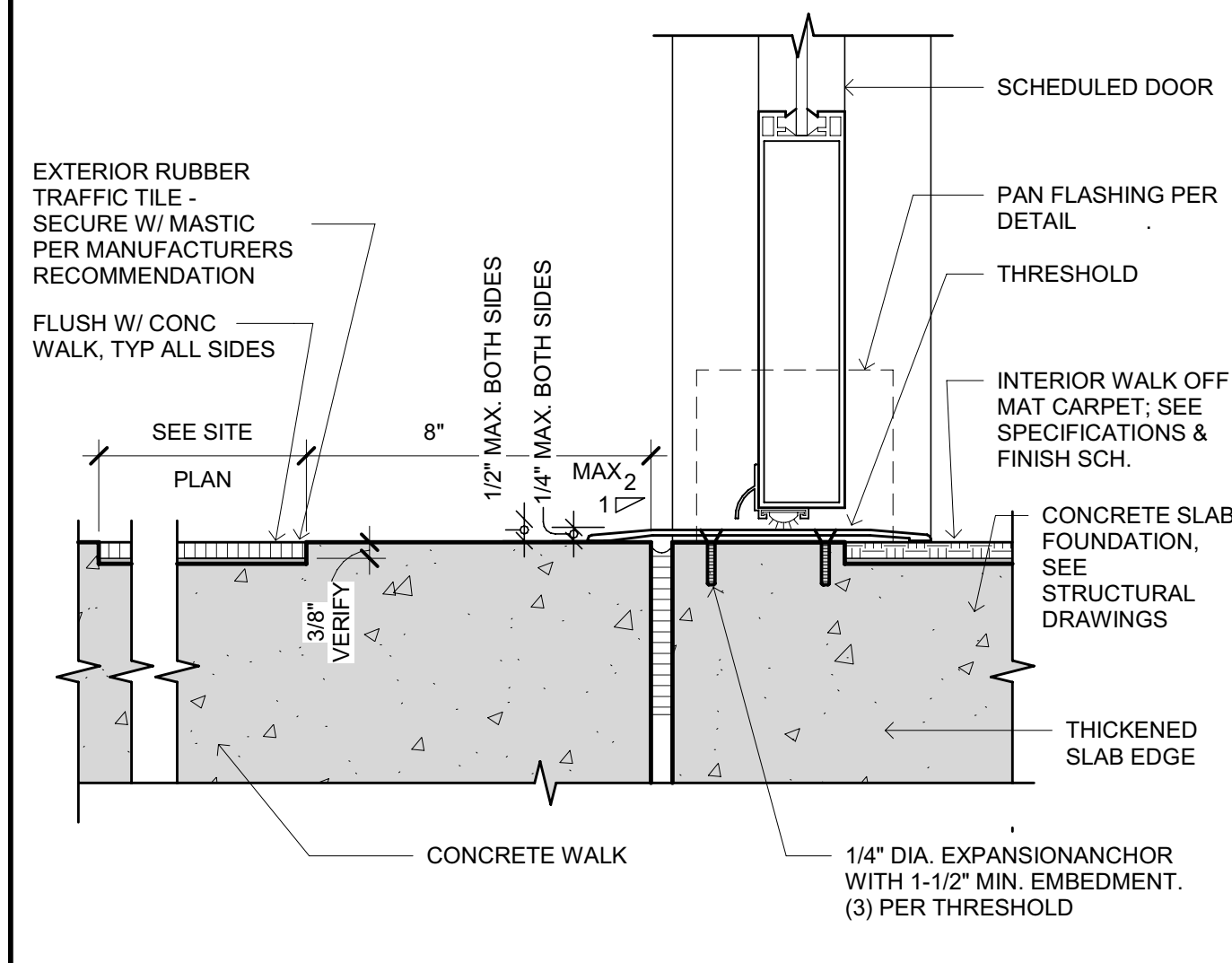
17



ALUM. ENTRY SILL @ LOBBY

SCALE: 3" = 1'-0"

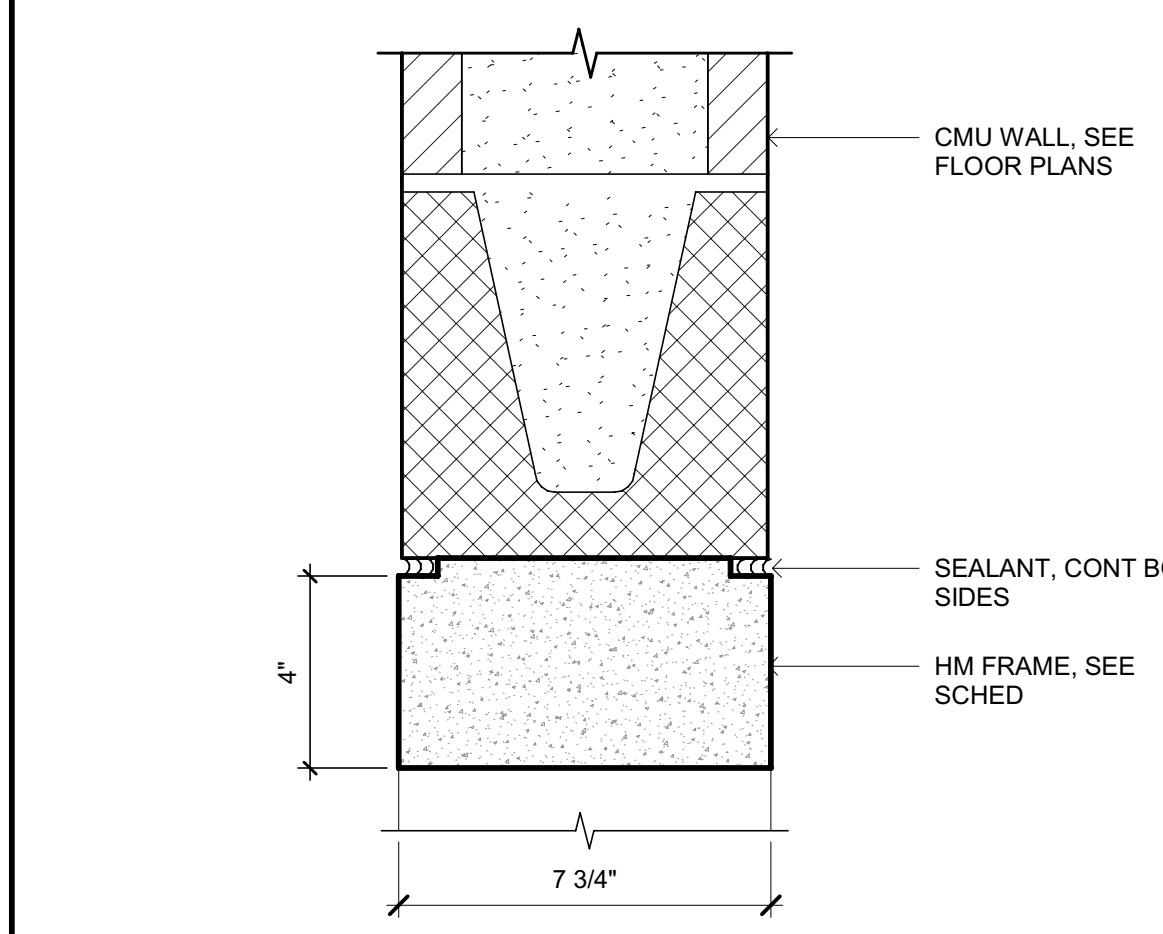
18



ALUM. ENTRY SILL @ LOBBY & INT/EXT WALK OFF MAT

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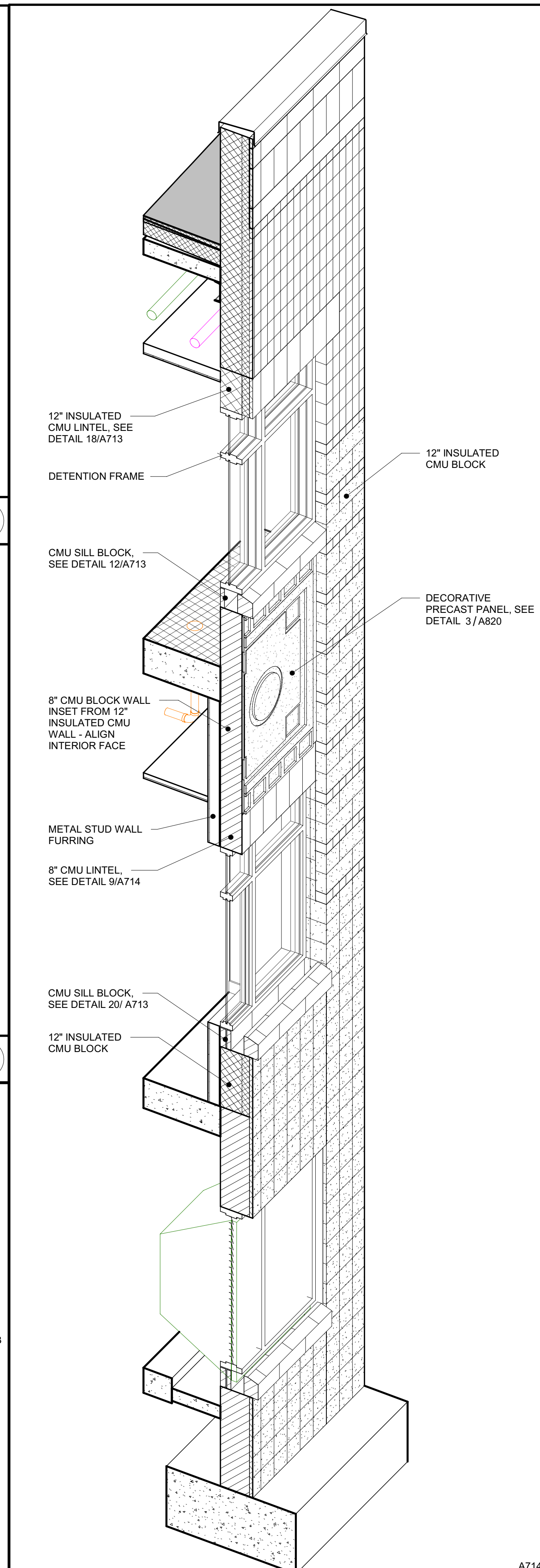
19



HM CASSED OPENING HEAD AT CMU

SCALE: 3" = 1'-0"

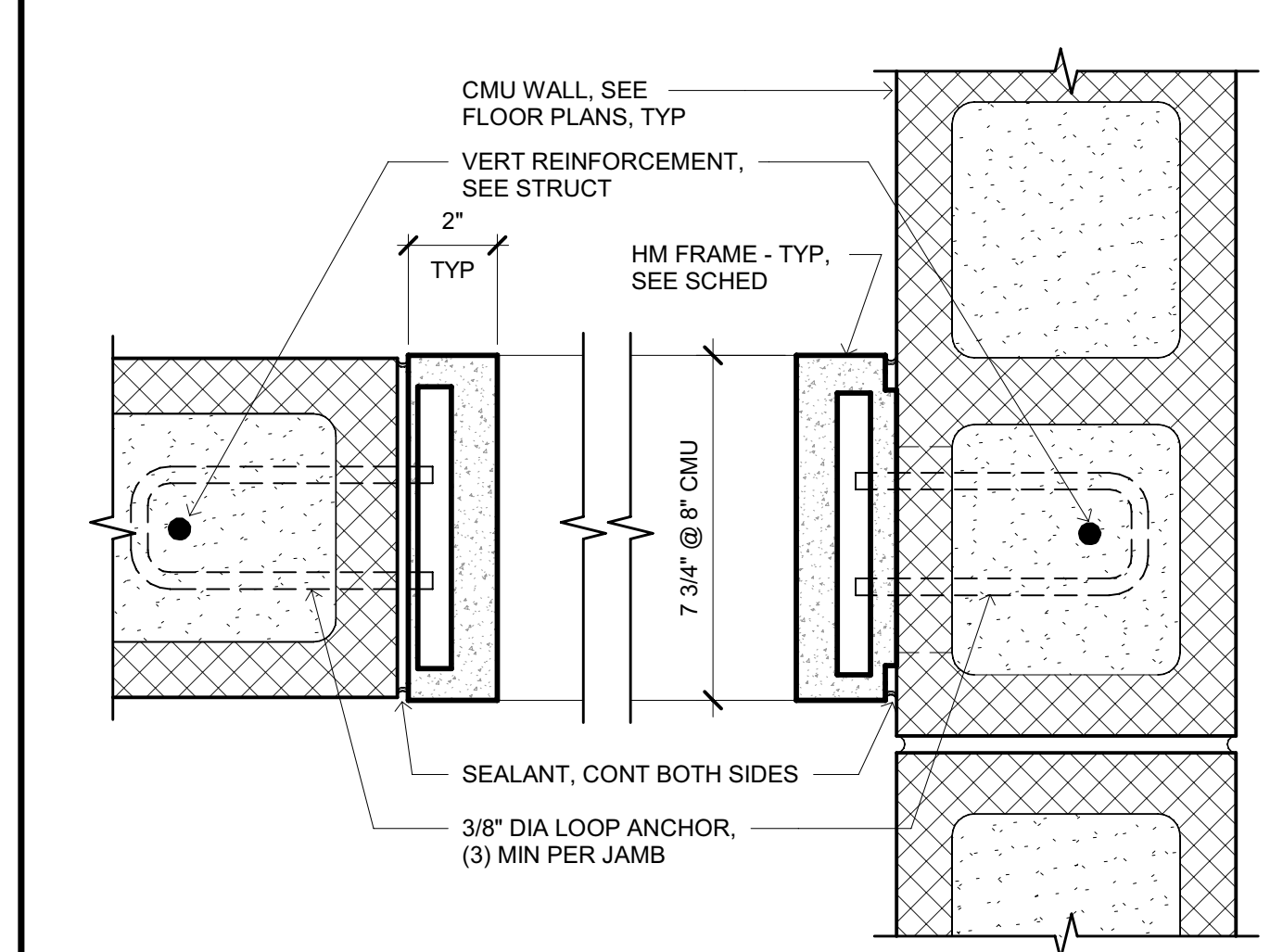
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3D WALL SECTION @ DETENTION FRAMES

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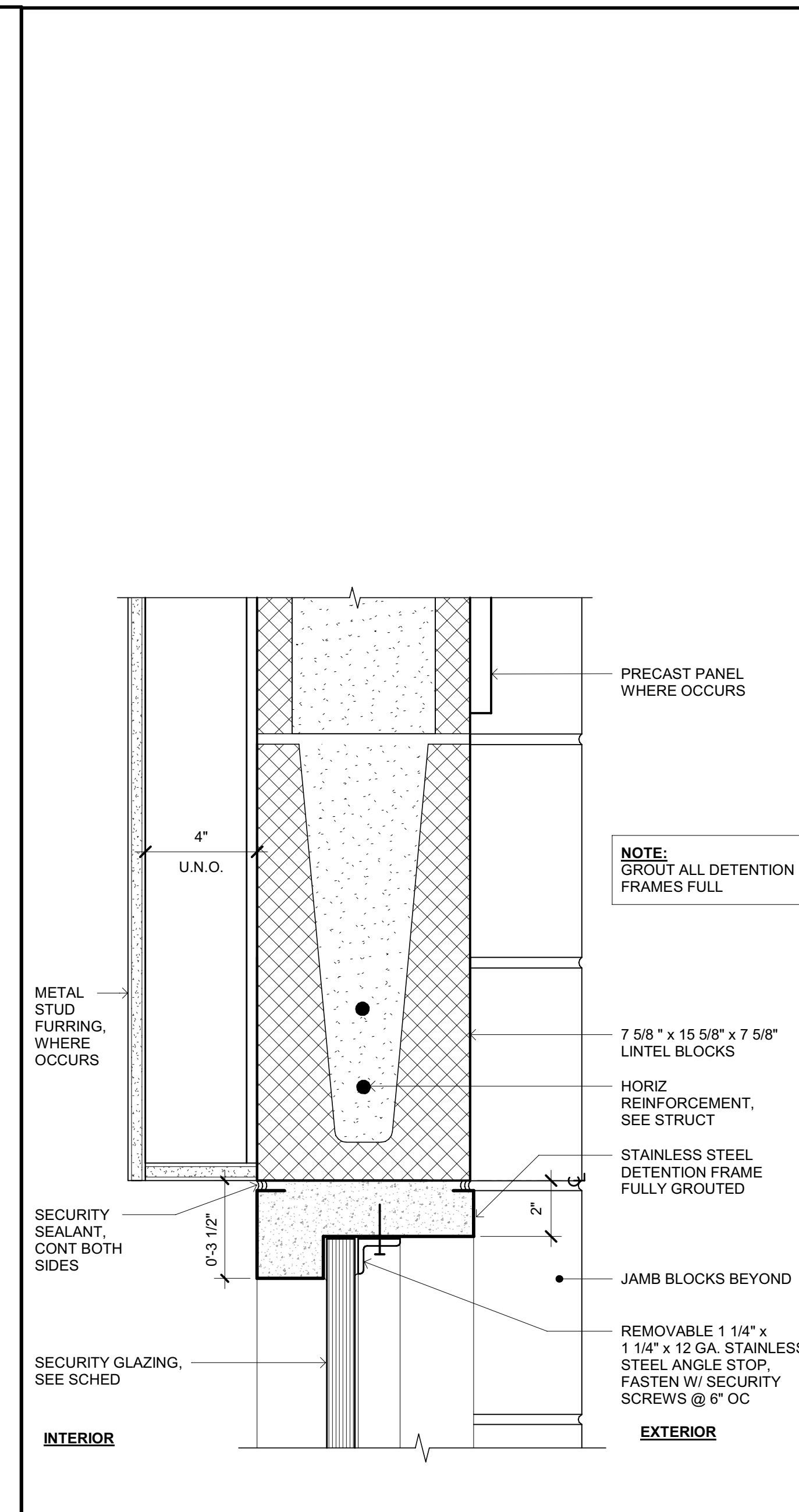
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HM CASSED OPENING JAMB AT CMU

SCALE: 3" = 1'-0"

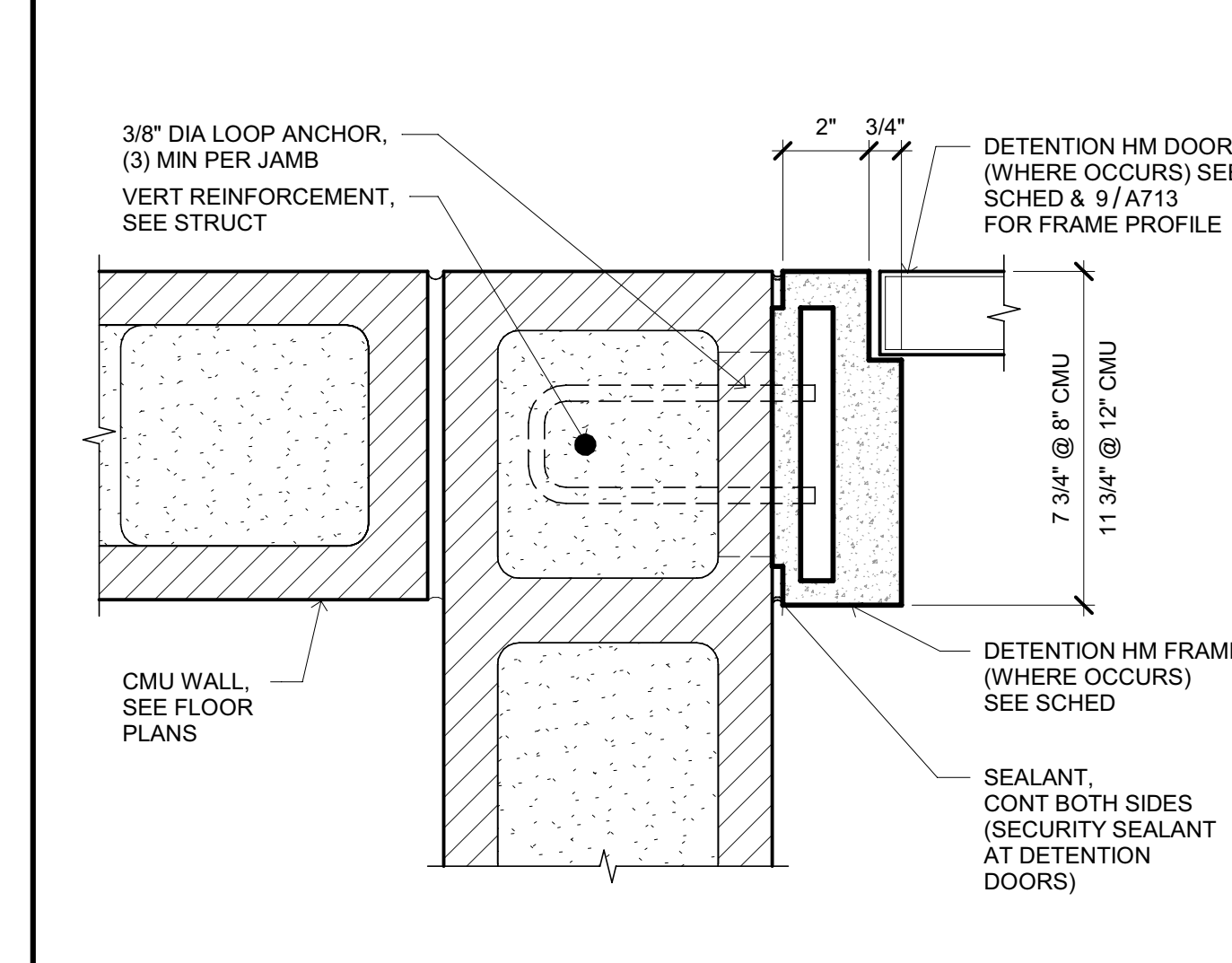
16



EXT WINDOW HEAD AT INSULATED CMU - DETENTION

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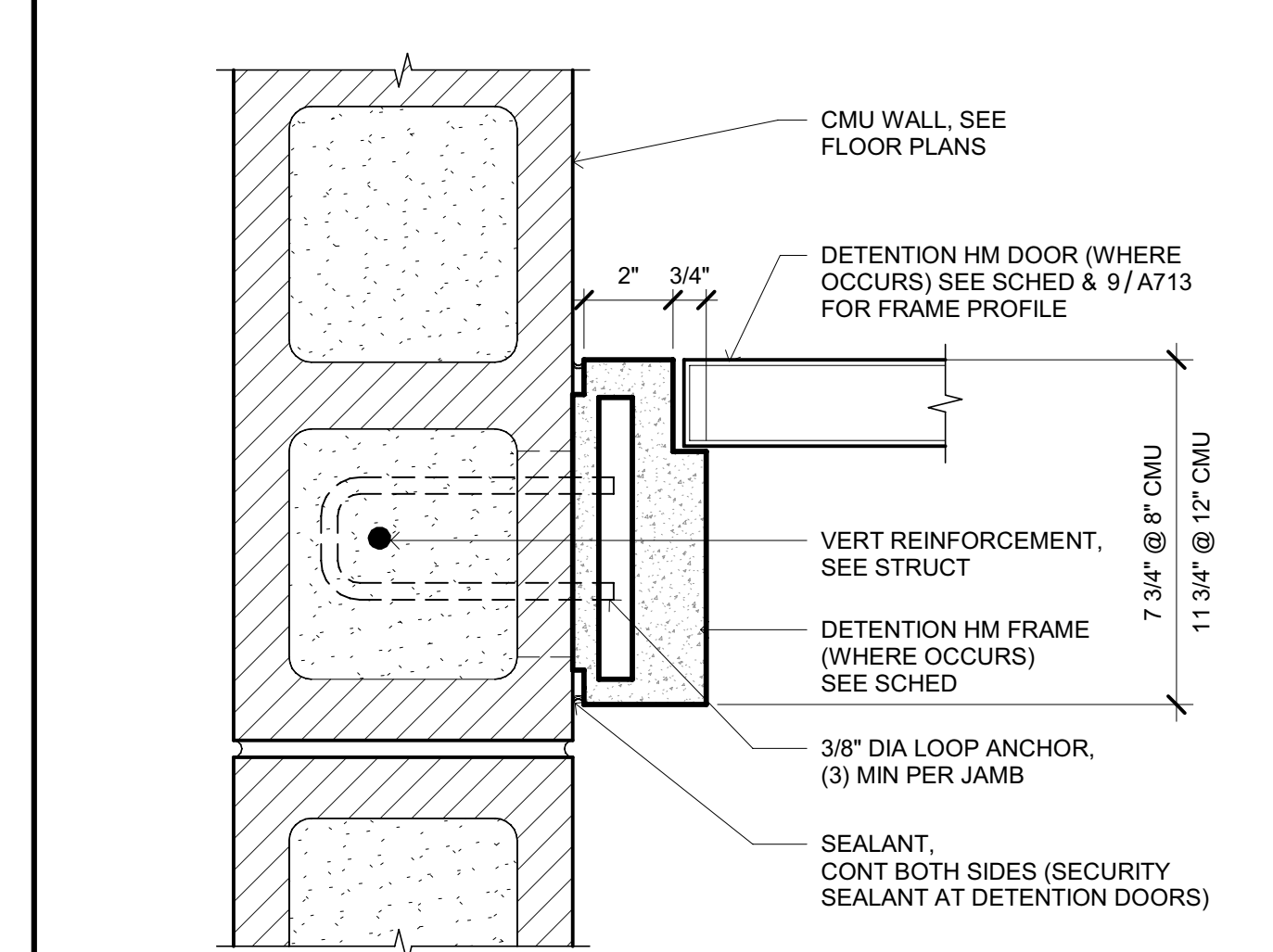
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DOOR JAMB AT CORNER

SCALE: 3" = 1'-0"

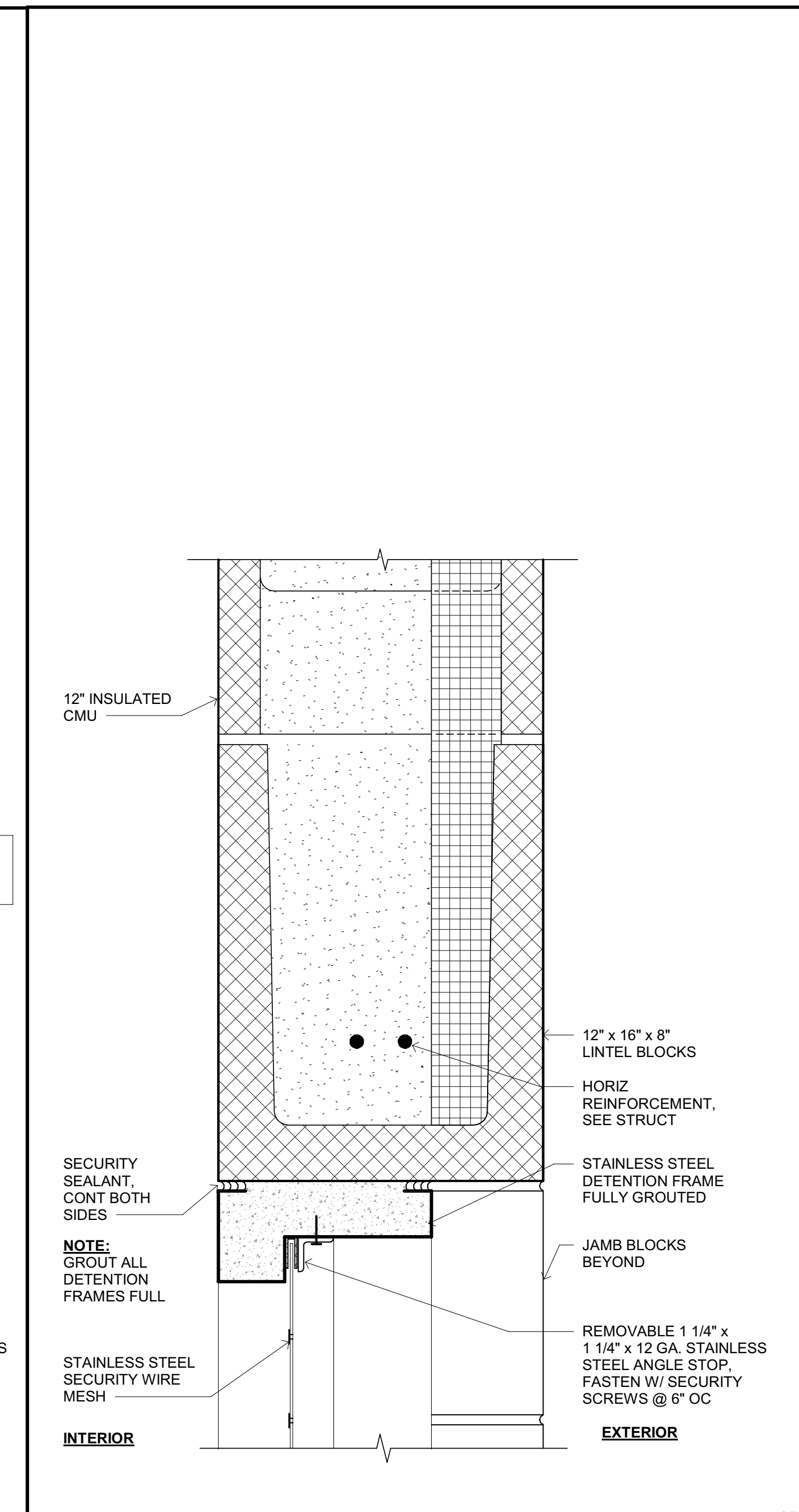
11



DOOR JAMB AT WALL

SCALE: 3" = 1'-0"

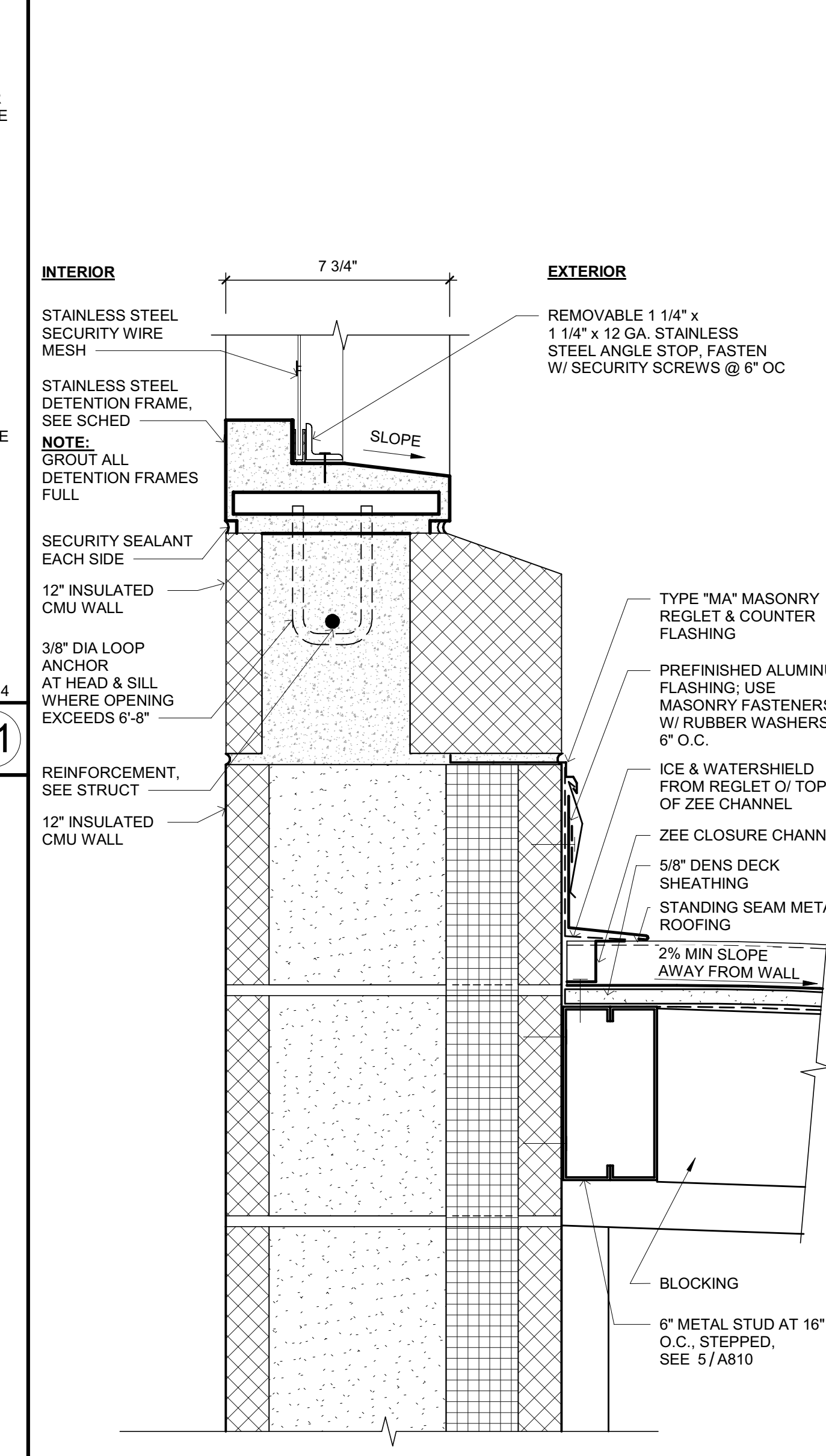
12



WIRE MESH SCREEN HEAD AT INSULATED CMU WALL - DETENTION

SCALE: 3" = 1'-0"

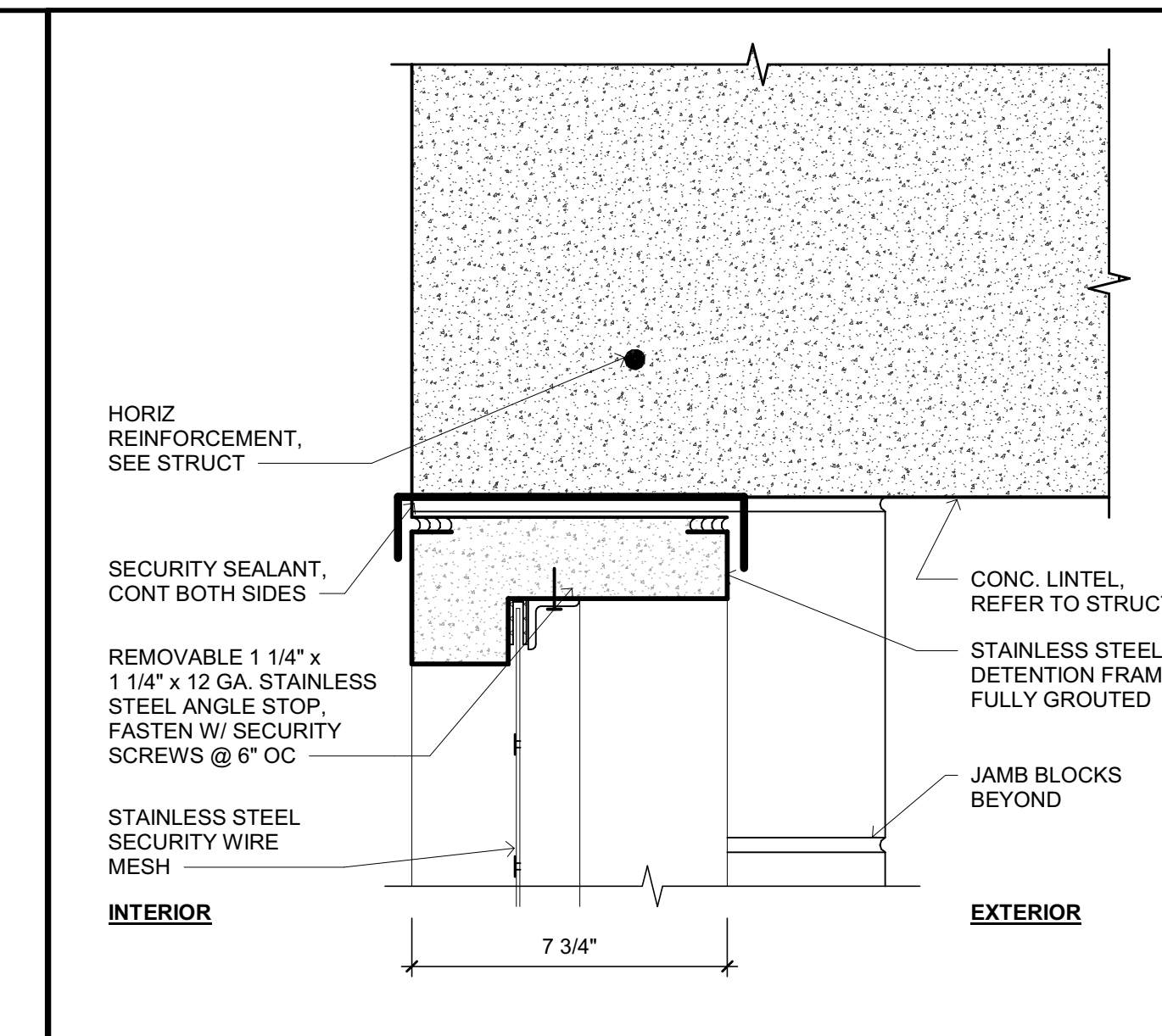
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WIRE MESH SCREEN SILL AT EAST STAIR ROOF - DETENTION

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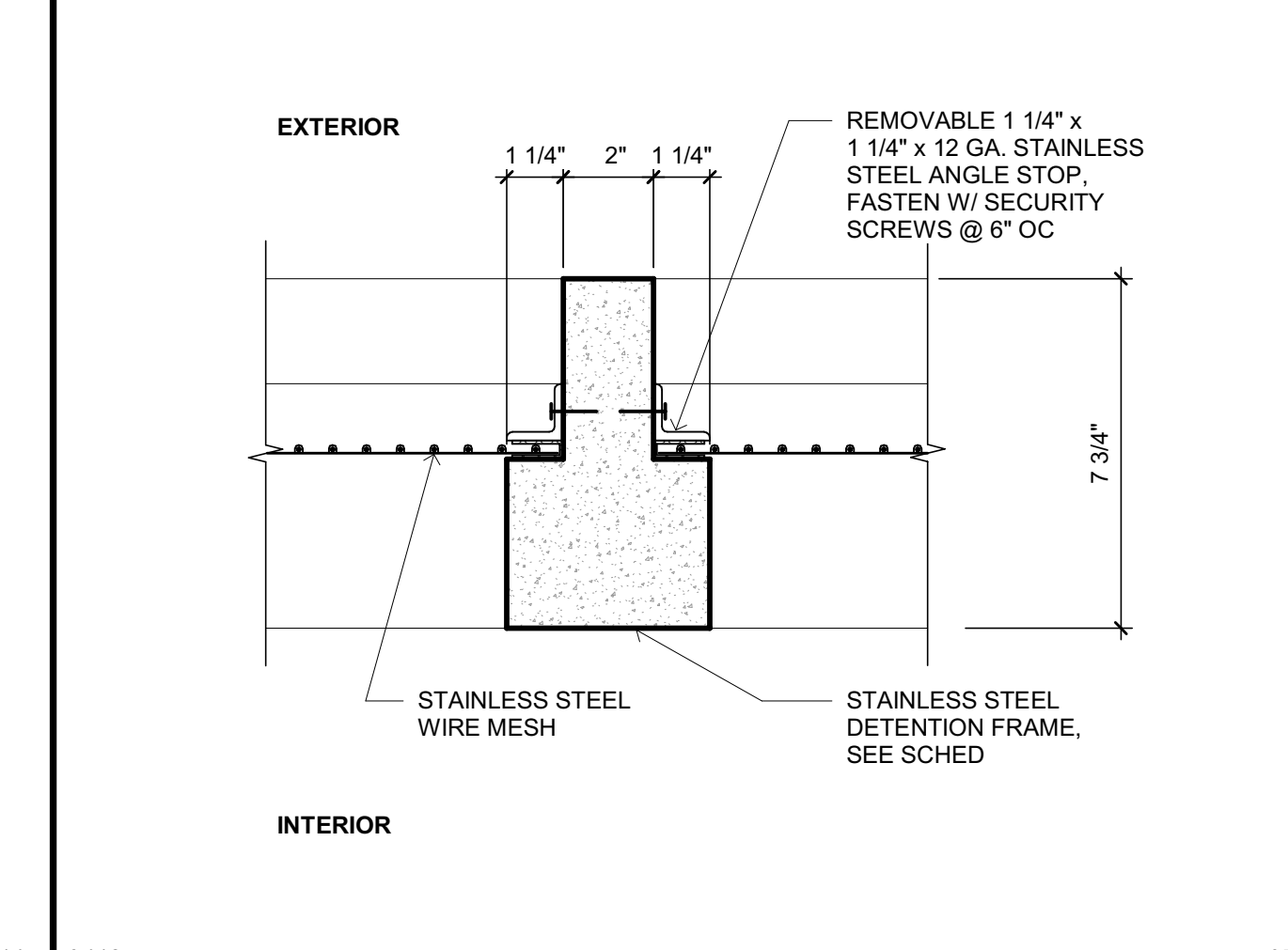
8



WIRE MESH SCREEN HEAD AT CURVED CONCRETE LINTEL

SCALE: 3" = 1'-0"

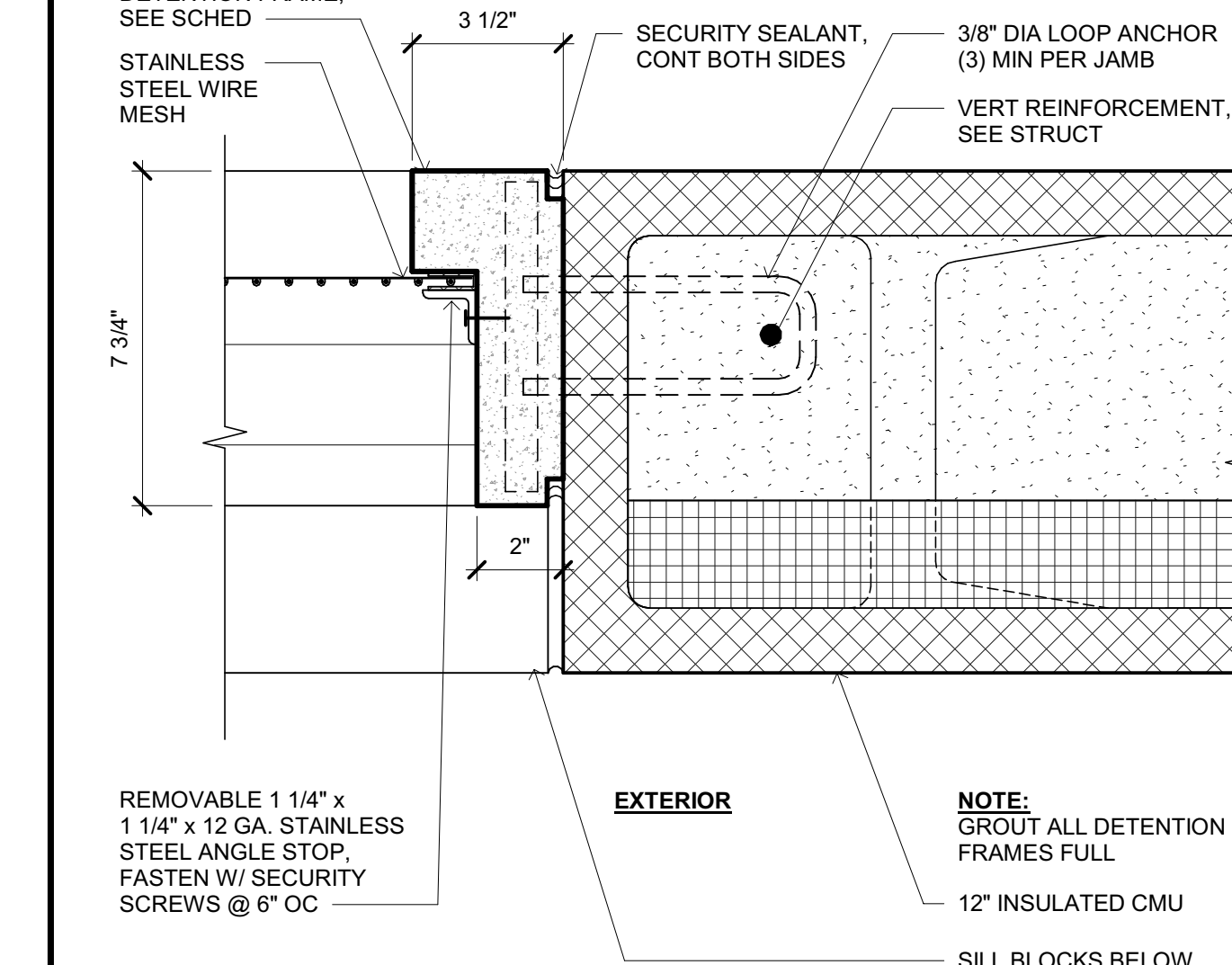
1



WIRE MESH SCREEN MULLION AT CMU WALL - DETENTION

SCALE: 3" = 1'-0"

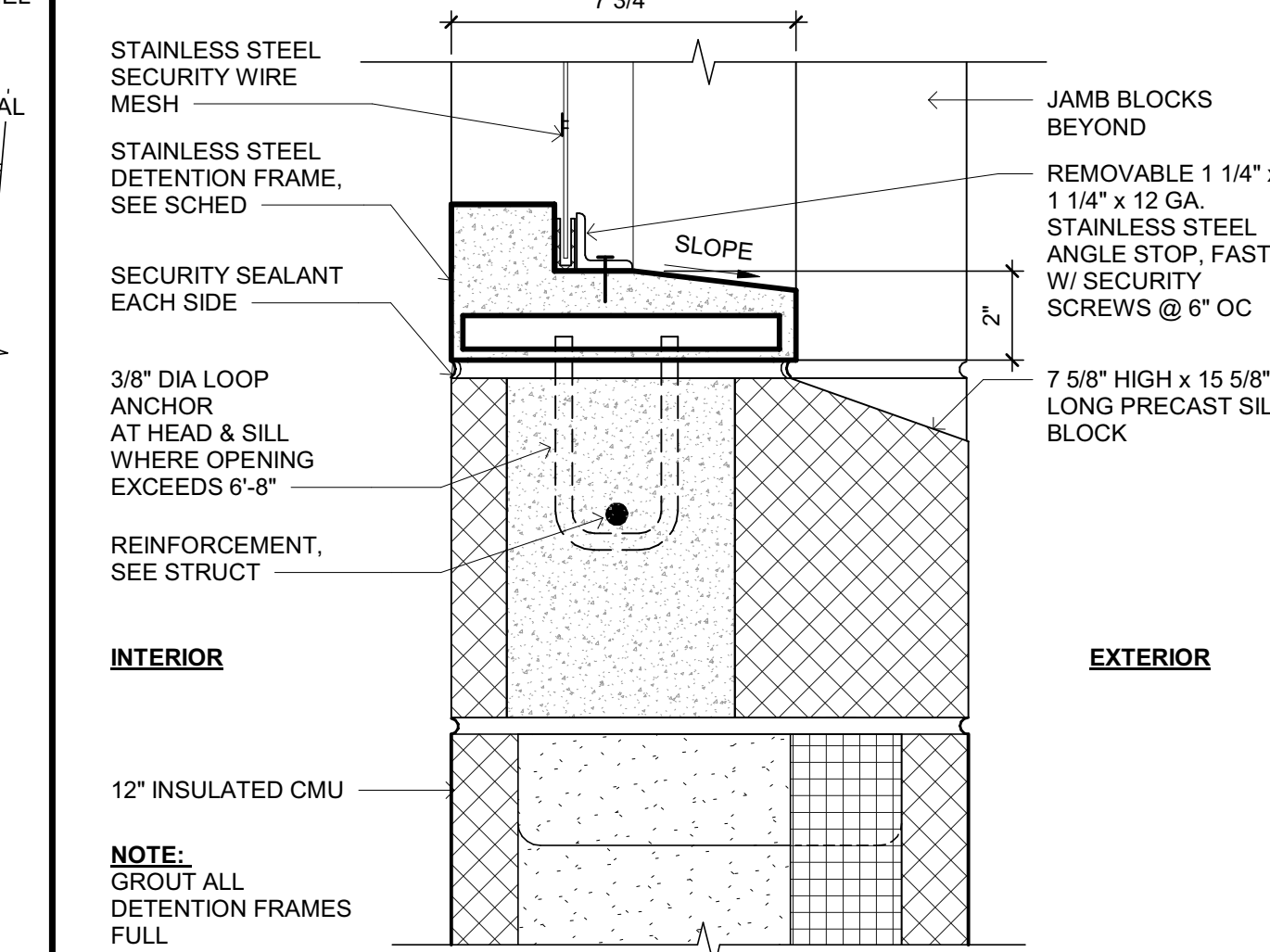
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EXT WIRE MESH SCREEN JAMB AT INSULATED CMU - DETENTION

SCALE: 3" = 1'-0"

3



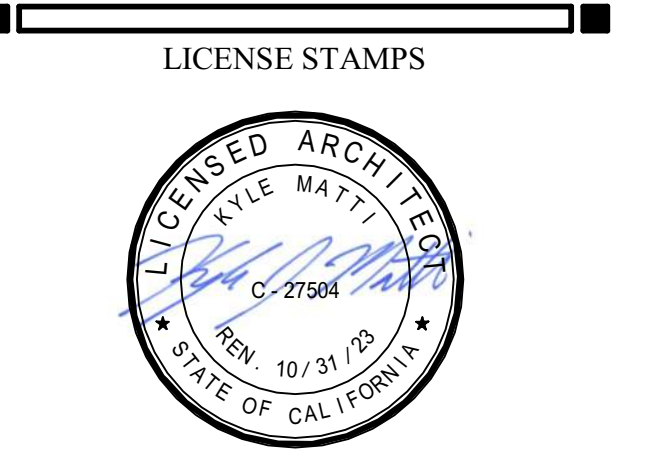
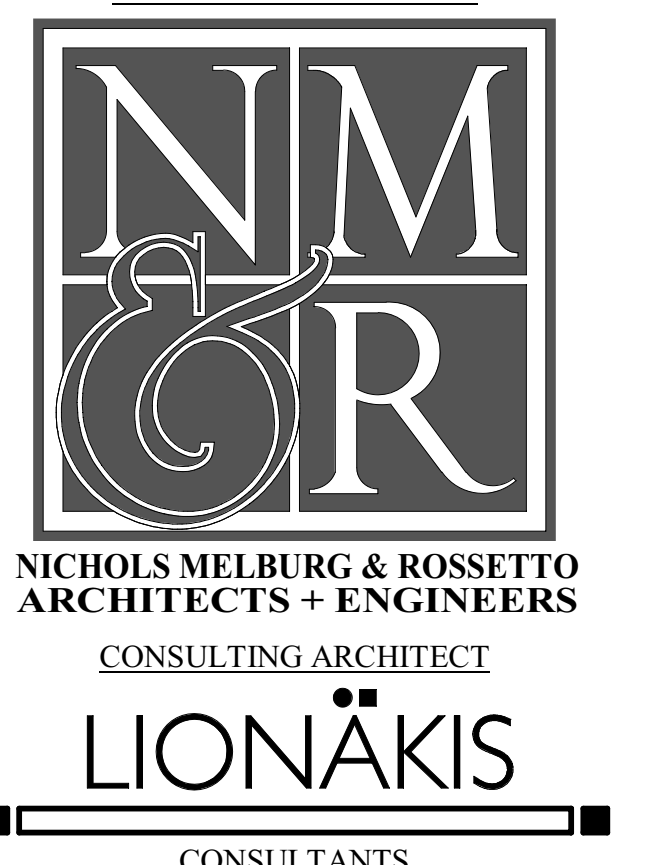
WIRE MESH SCREEN SILL AT CMU WALL - DETENTION

SCALE: 3" = 1'-0"

4



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**DOOR, FRAME AND WINDOW DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

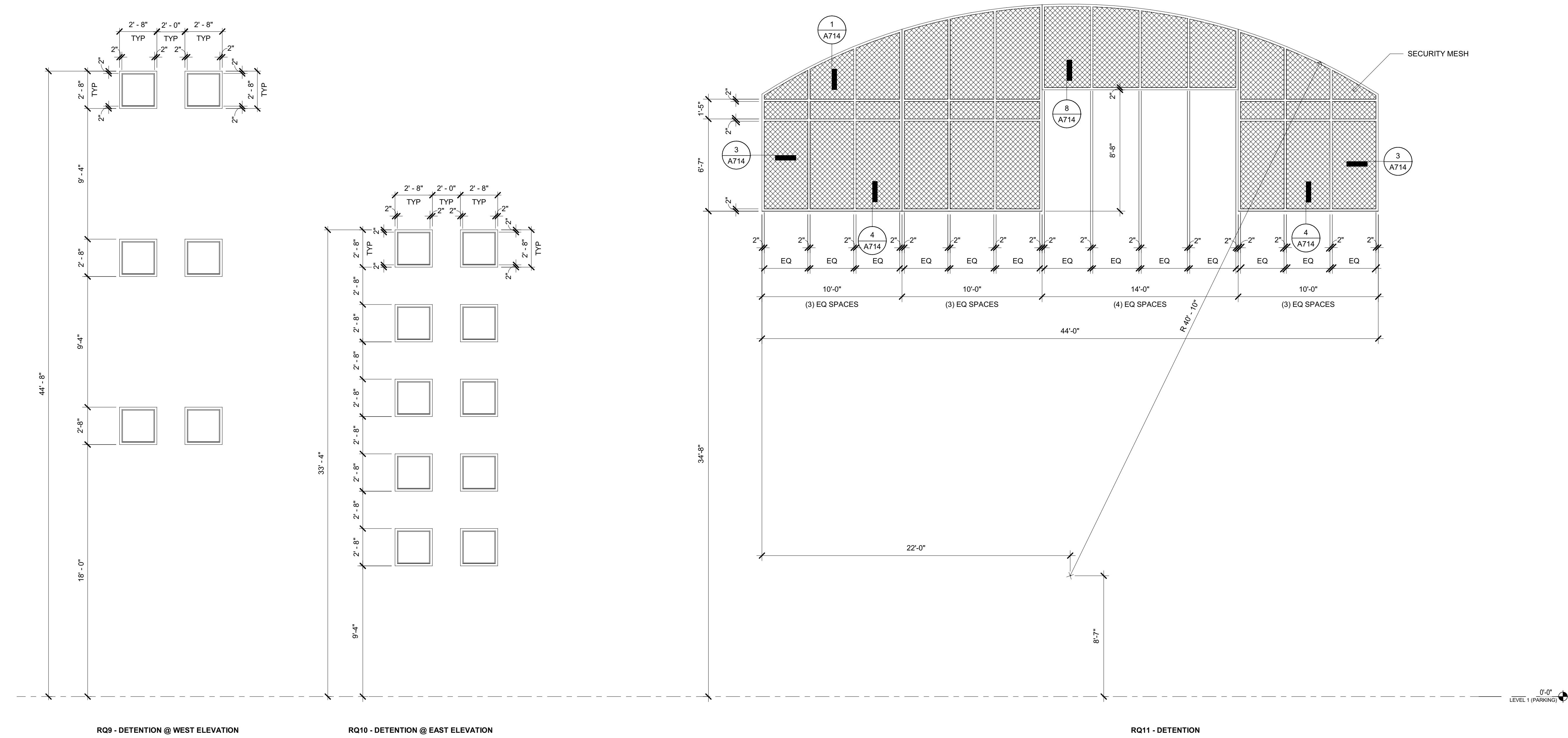
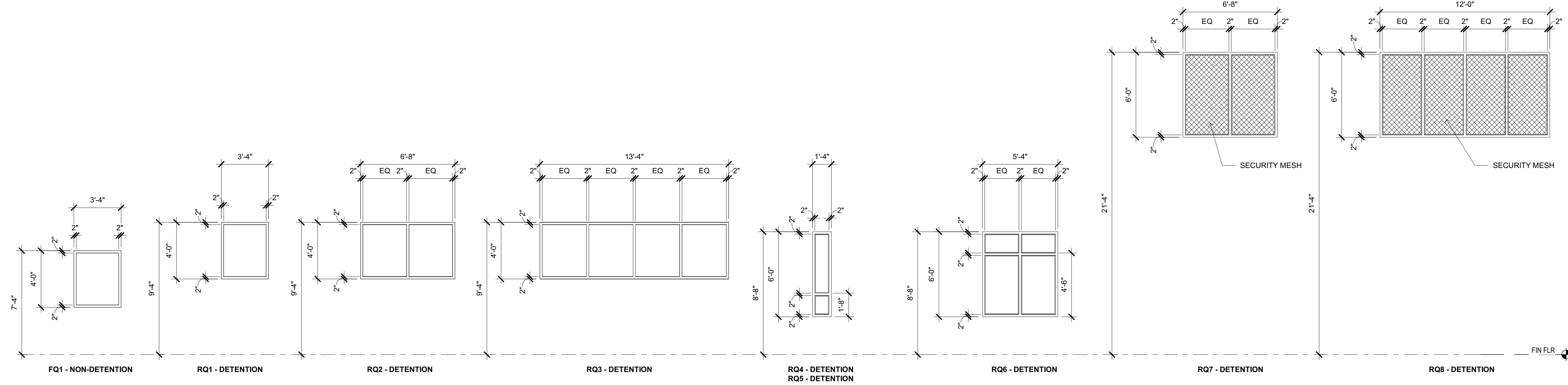
REVISIONS		
Delta	Description	Date

Drawn By **LIONAKIS**  
Date Issued **09.19.2022**  
Scale **3" = 1'-0"**  
Project No. **16-6421.00**

SHEET No.  
**A714 V4**



### HOLLOW METAL WINDOW FRAME TYPES



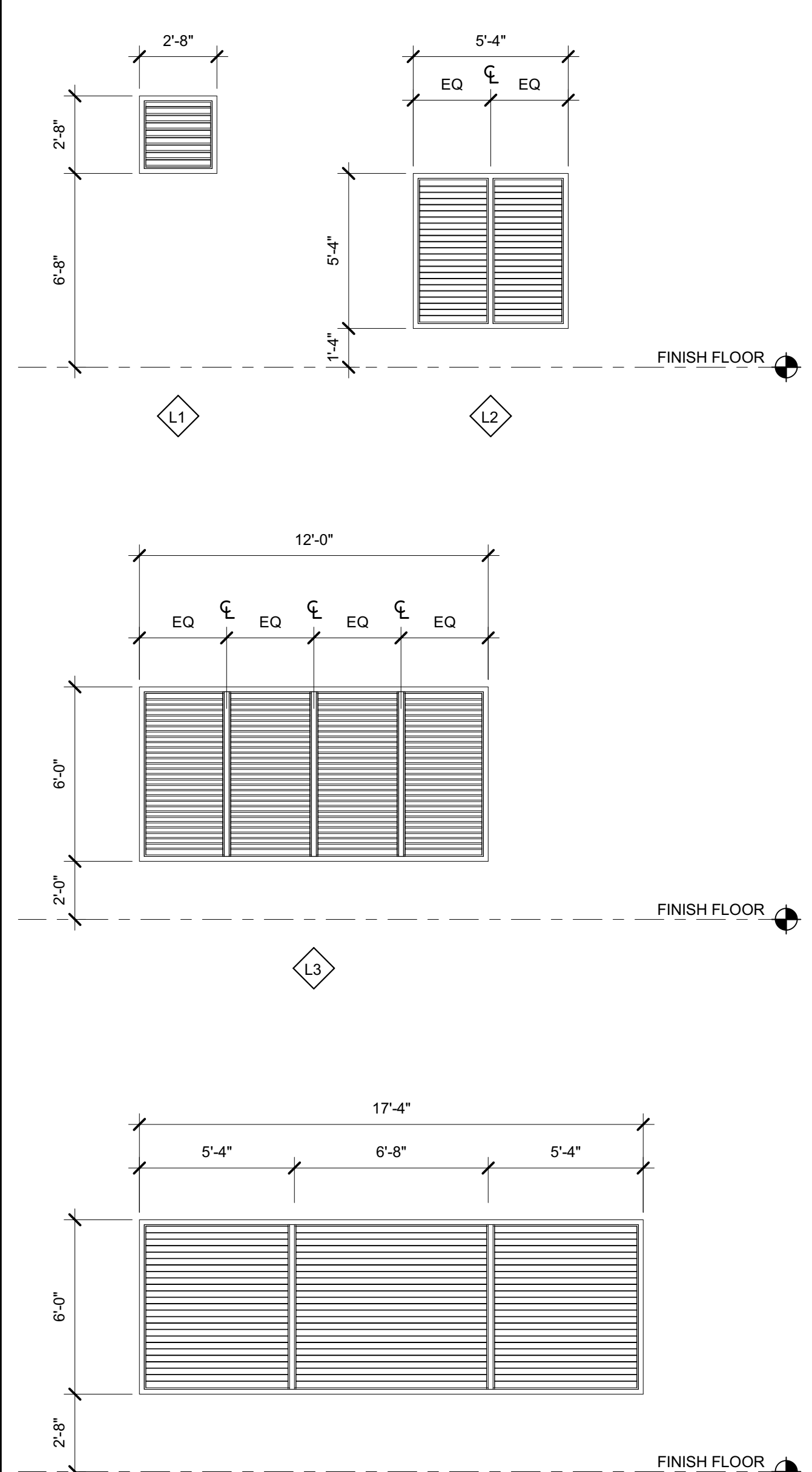
### GENERAL NOTES

- GENERAL WINDOW SHEET NOTES ARE TYPICAL UNLESS NOTED OTHERWISE.
- SEE FLOOR PLANS A201-A204 FOR ALUMINUM STOREFRONT AND CURTAIN WALL LOCATIONS.
- SEE FLOOR PLANS A201-A204 AND WINDOW SCHEDULE A720 FOR HOLLOW METAL & DETENTION HOLLOW METAL WINDOW LOCATIONS.
- FIRE RATED WINDOWS AND GLASS SHALL HAVE AN APPROVED LABEL OR LISTING MARK INDICATING THE FIRE PROTECTION RATING WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY OCCUR.
- ASSEMBLY DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION AND INSTALLATION.
- COORDINATE OVERALL WINDOW FRAME DEPTHS WITH WALL TYPES.
- GLAZED OPENINGS WITHIN 18" OF THE FLOOR OR WITHIN 24" HORIZONTALLY OF ANY DOOR OPENING SHALL BE FULLY TEMPERED GLASS APPROVED FOR IMPACT HAZARD.
- HOLLOW METAL FRAMES IN MASONRY CONSTRUCTION SHALL BE GROUTED FULL.
- ORDER OF WINDOW SCHEDULE REFLECTS THE ORDER OF THE FLOOR PLANS - NOT ALPHANUMERIC.
- SEE SPEC SECTION 08 51 00 FOR GLAZING AND 08 55 53 FOR SECURITY GLAZING.
- REFER TO GENERAL NOTE #19 ON SHEET A711 FOR SAFETY SIDE TO INSTALL GLAZING STOP.

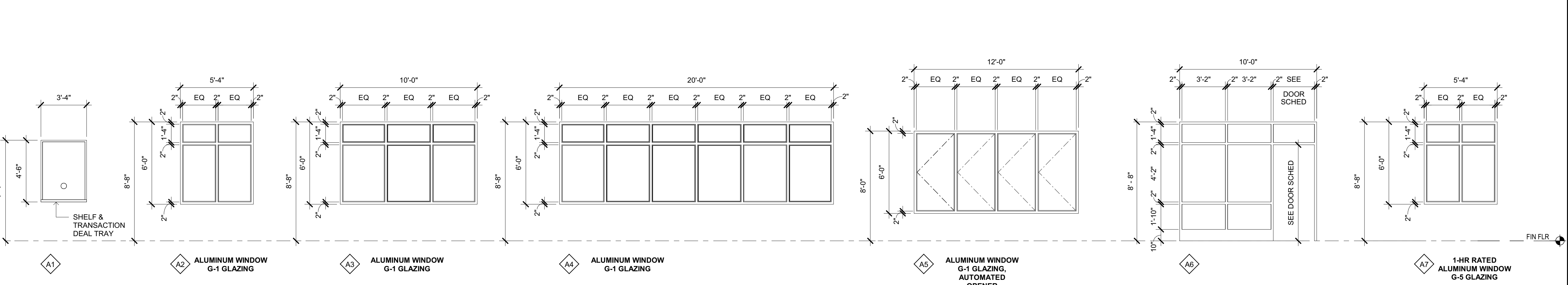
### LEGEND

- D = DETENTION**  
**DSST = DETENTION STAINLESS STEEL**  
**ND = NON DETENTION**  
**ADO = AUTOMATIC DOOR OPERATOR**  
**ADC = AUTOMATIC DOOR CLOSER**  
**CR = CARD READER**  
**EL = ELECTRIC LOCK**  
**HDW GP = HARDWARE GROUP**  
**HO = HOLD OPEN**  
**PH = PANIC HARDWARE**  
**V = VINYL STRIPS**
- MATERIAL**  
**ALUM = ALUMINUM**  
**HM = HOLLOW METAL**  
**SST = STAINLESS STEEL**  
**WD = WOOD**
- FINISH**  
**ANOD = ANODIZED**  
**FRP = FIBER REINFORCED PLASTIC**  
**PLAM = PLASTIC LAMINATE**  
**PT = PAINT**  
**ST = STAIN**
- GLASS LEGEND:**  
**GL = GLASS**  
**LG = LEADED GLASS**  
**RG = RATED GLASS**  
**SG = SECURITY GLASS**
- GLASS LEGEND NOTES:**  
 1. SEE SPECS FOR GLASS TYPES NOTED

### LOUVER TYPES



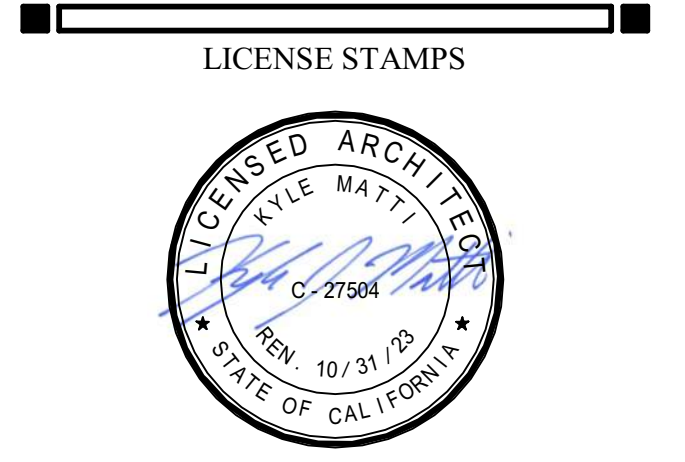
### ALUMINUM FRAME TYPES



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CONSULTING ARCHITECT  
**LIONAKIS**  
 CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**WINDOW & LOUVER FRAME TYPES**

DRAWING STATUS  
**WORKING DRAWINGS**

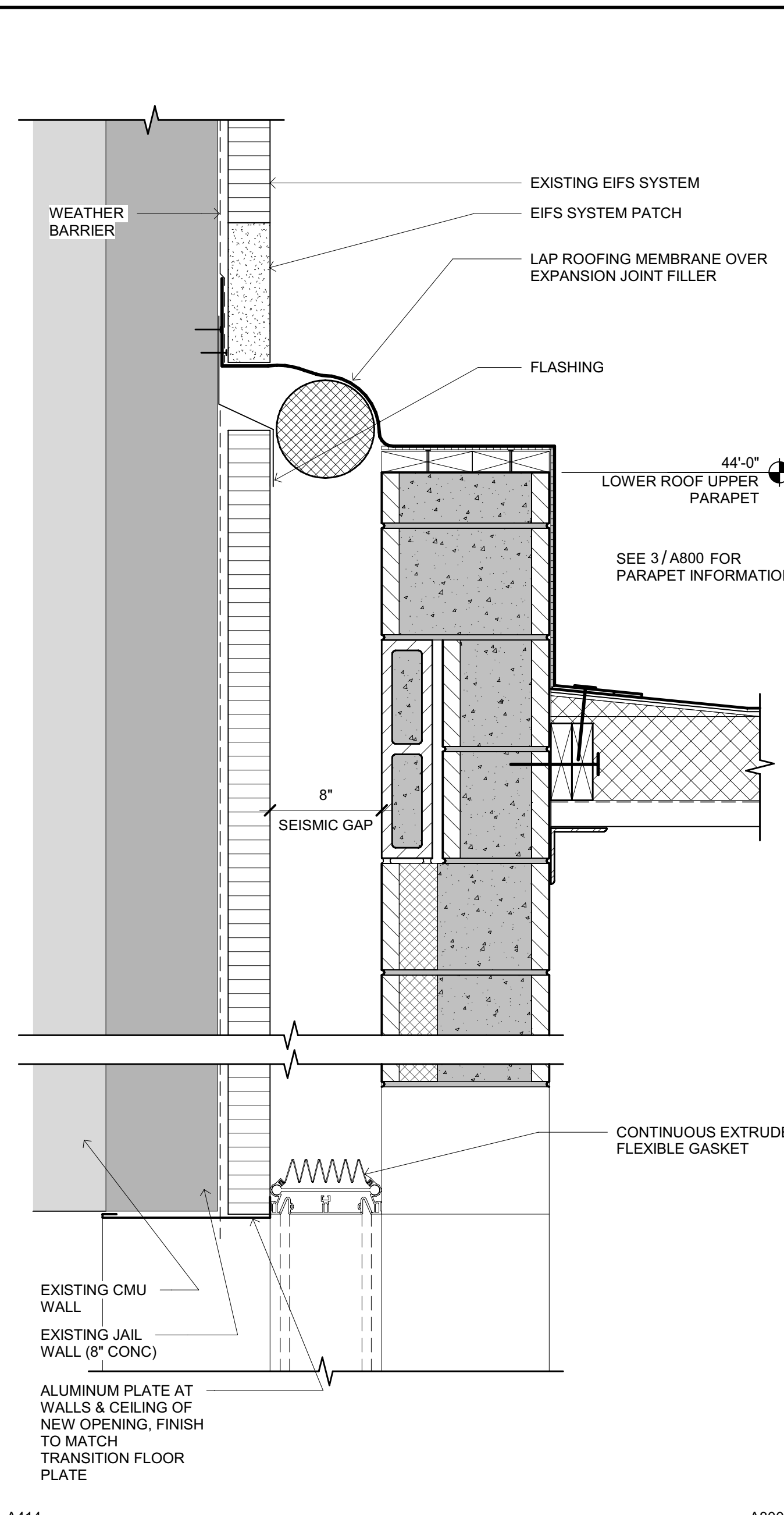
REVISIONS		
Delta	Description	Date

Drawn By **LIONAKIS**  
 Date Issued **09.19.2022**  
 Scale **1/4" = 1'-0"**  
 Project No. **16-6421.00**

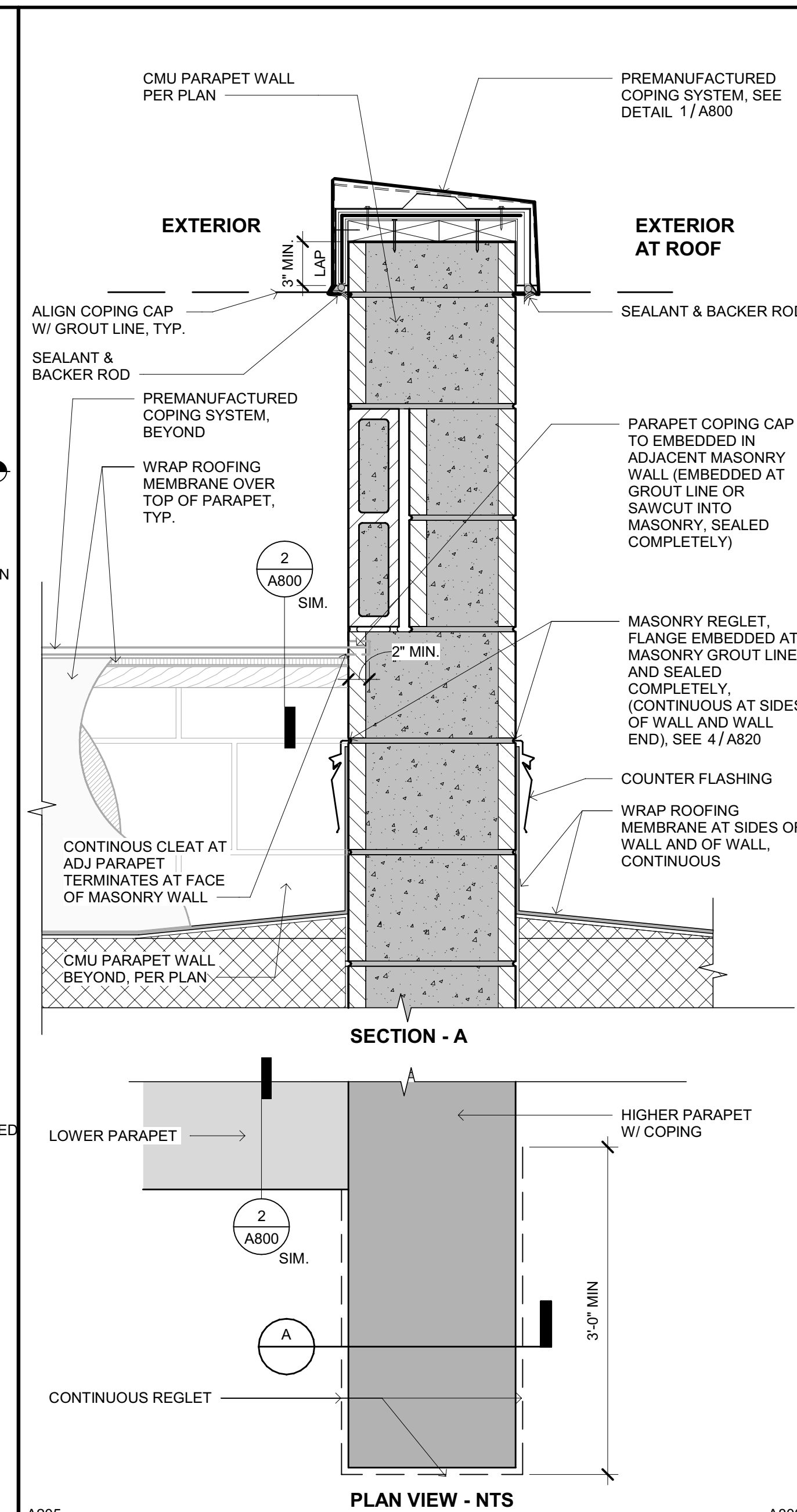
SHEET No.  
**A721 V4**

Plot Date: 9/20/2022 1:38:04 PM  
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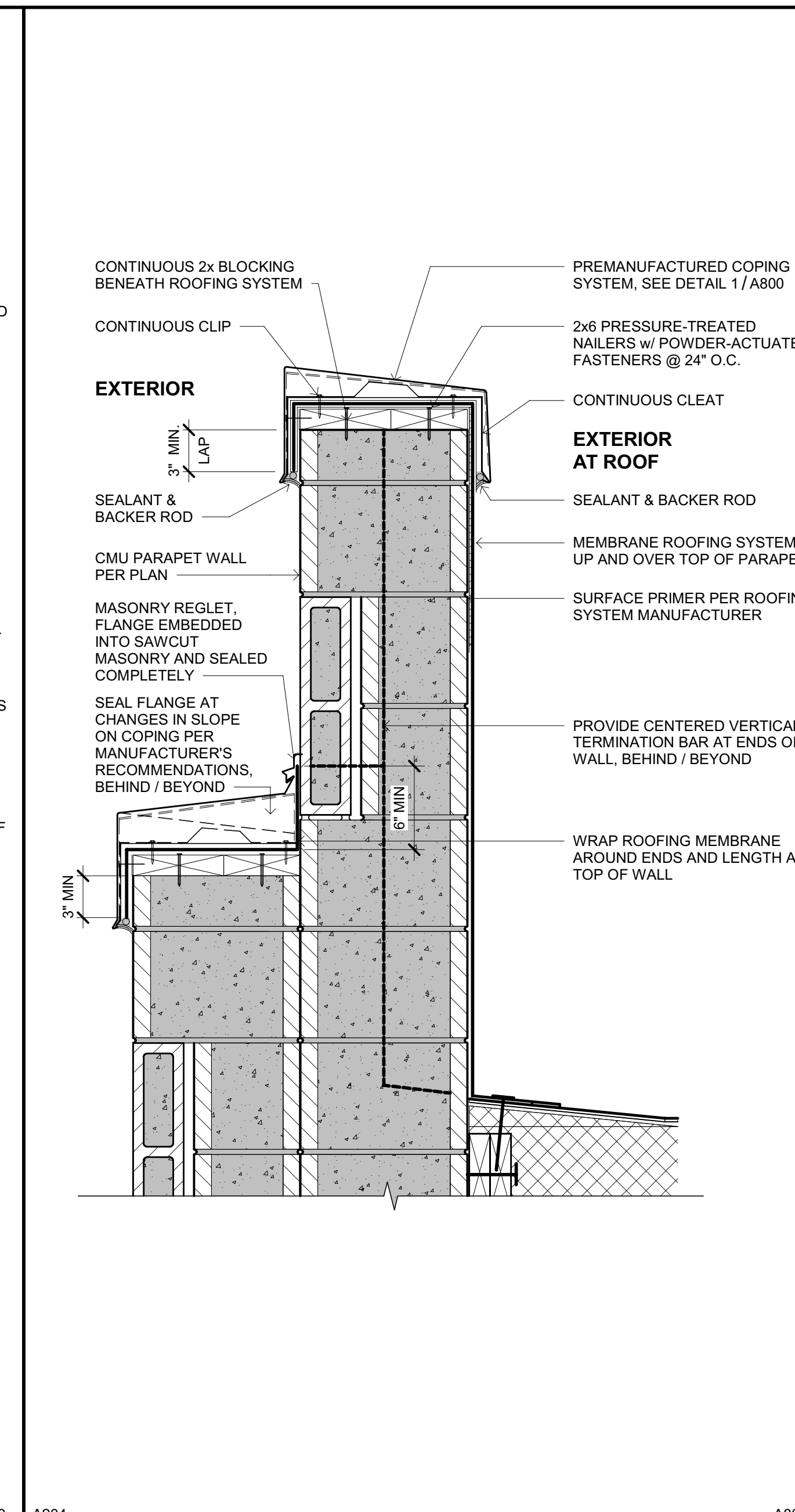




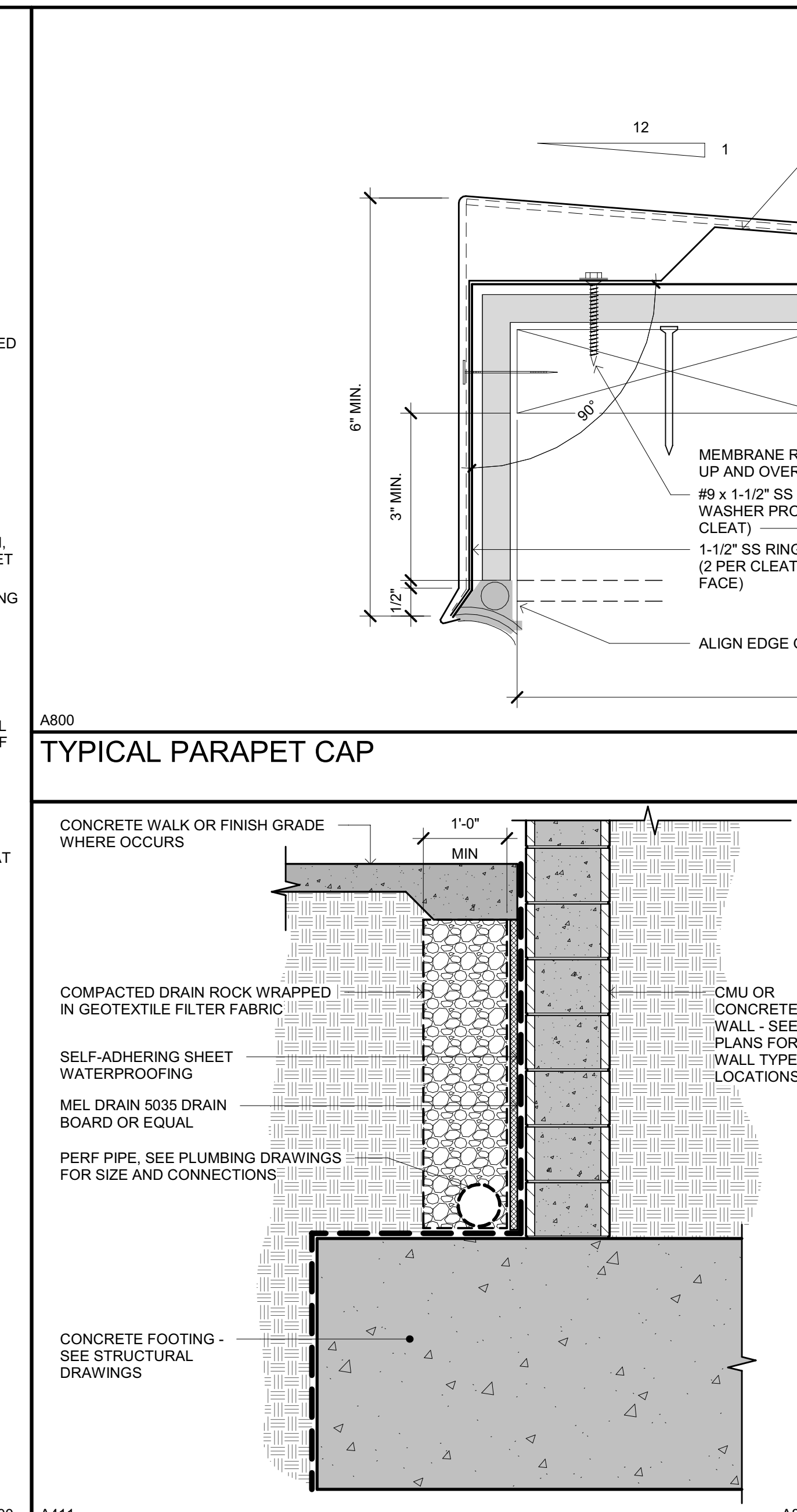
A414 18 TOP OF PARAPET AT (E) JAIL WALL SCALE: 1 1/2" = 1'-0"



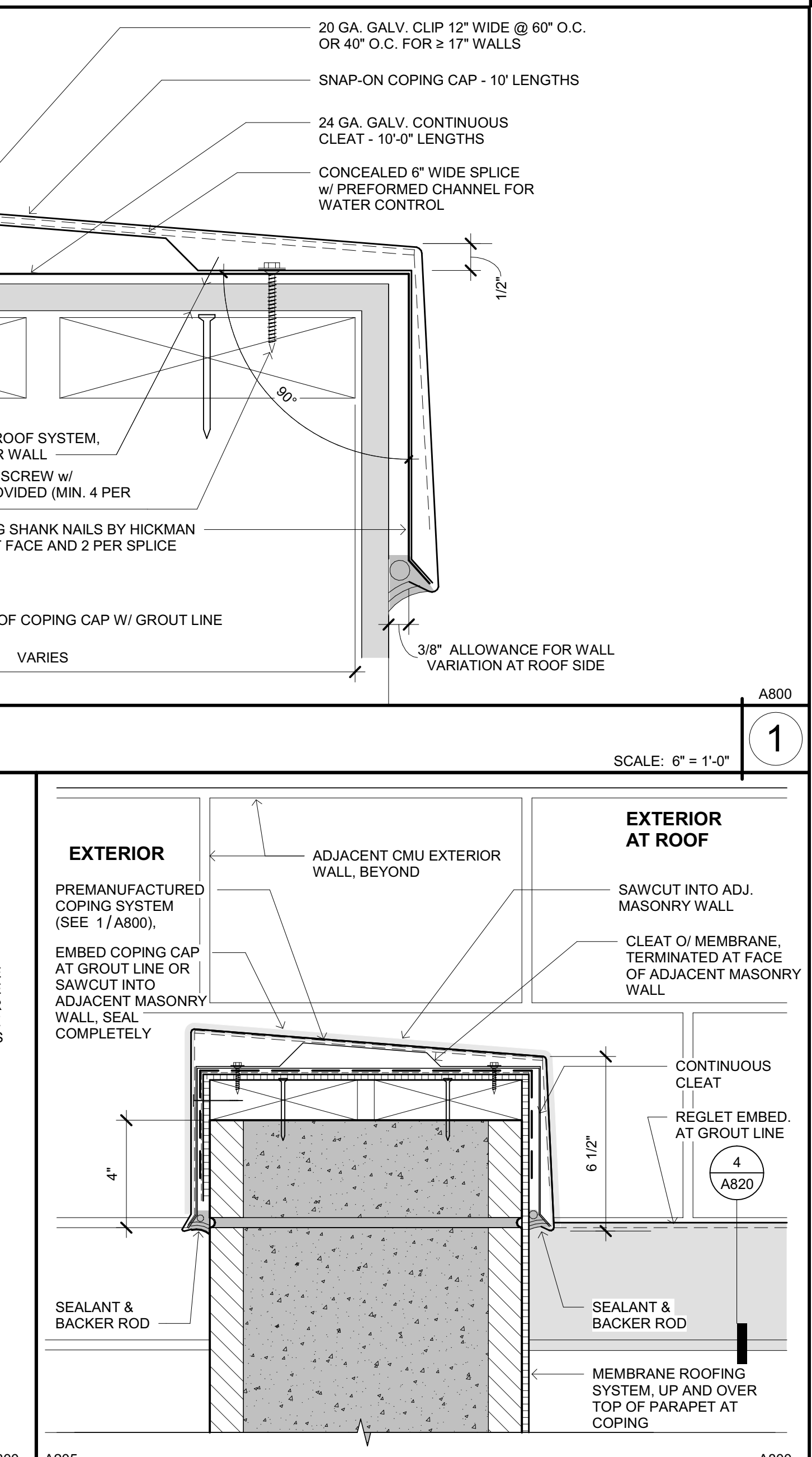
A205 14 PARAPET ROOF MEMBRANE TERMINATION SCALE: 1 1/2" = 1'-0"



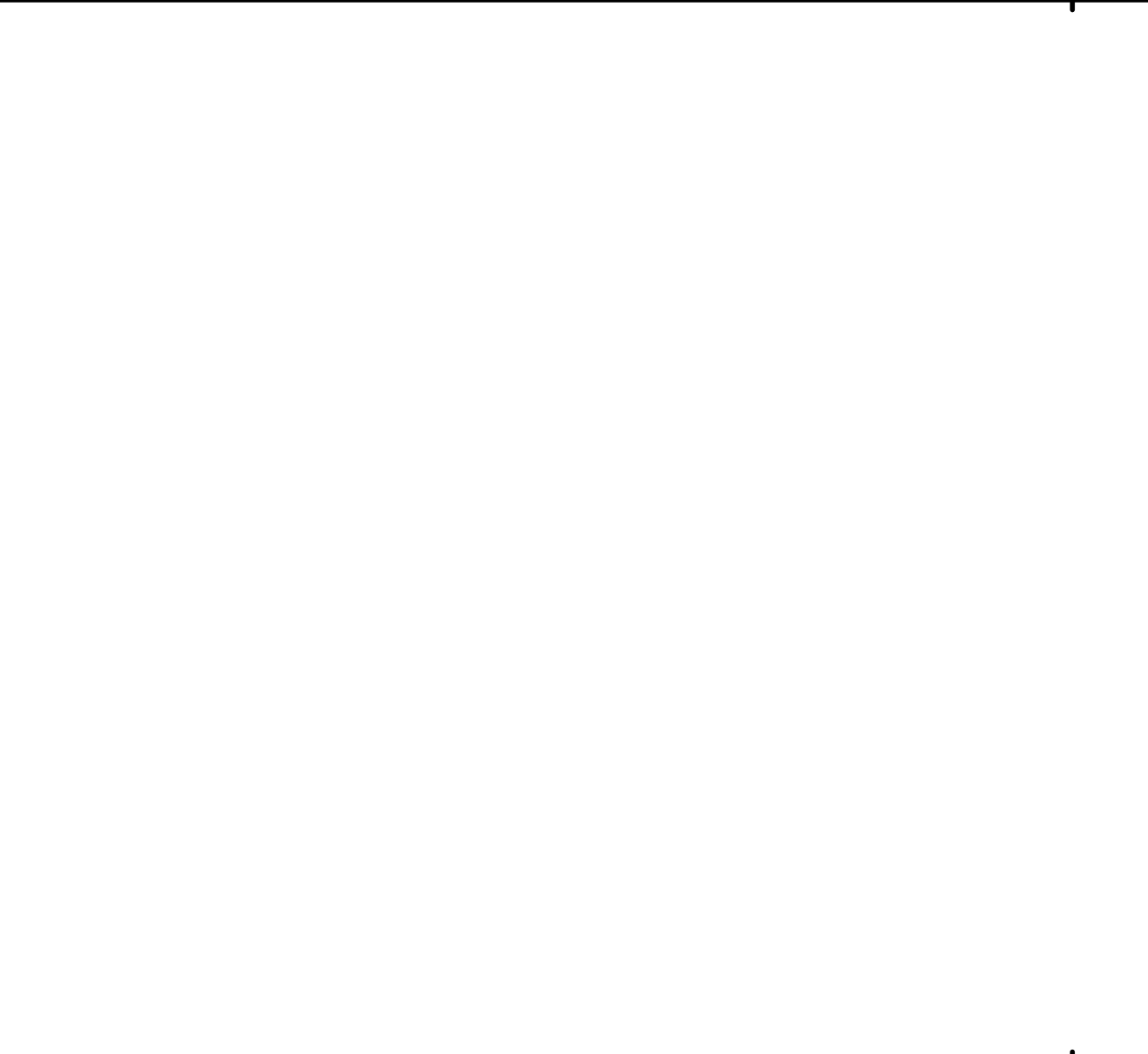
A204 10 PARAPET COPING AGAINST WALL SCALE: 1 1/2" = 1'-0"



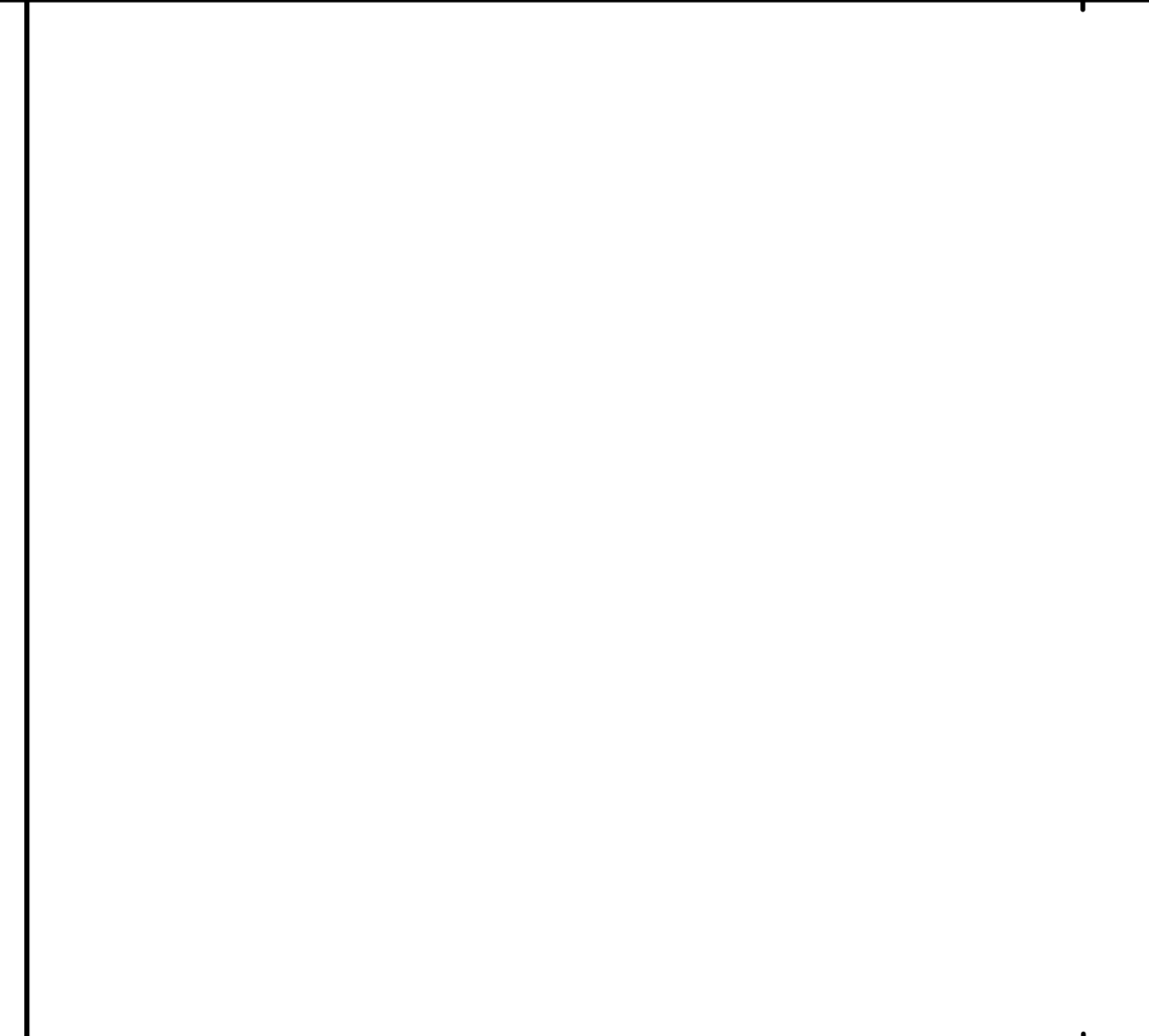
A800 6 TYPICAL WATERPROOFING AT RETAINING WALLS SCALE: 3/4" = 1'-0"



A205 2 COPING AT EXTERIOR CMU WALL SCALE: 3" = 1'-0"



A414 18 TOP OF PARAPET AT (E) JAIL WALL SCALE: 1 1/2" = 1'-0"



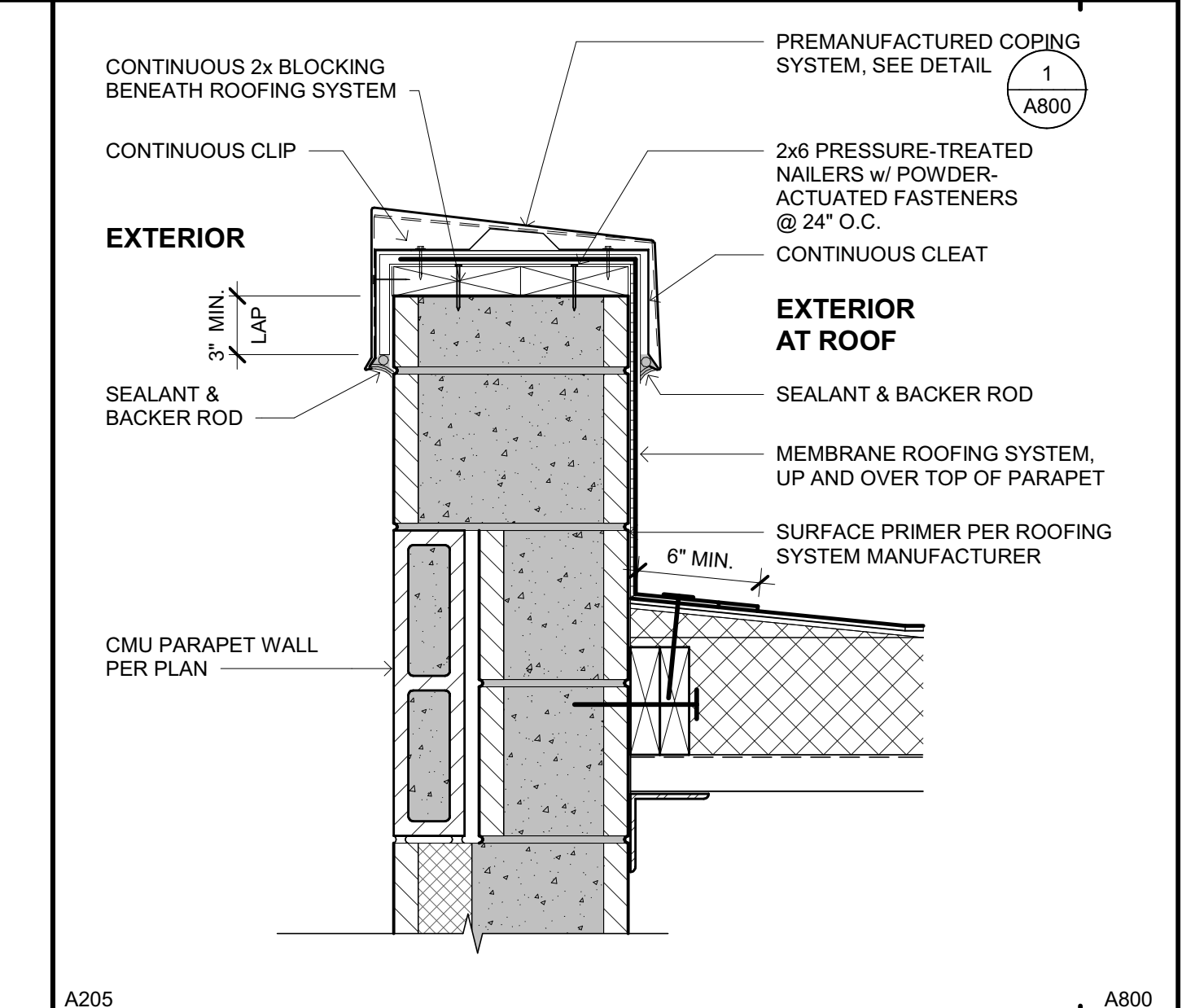
A205 14 PARAPET ROOF MEMBRANE TERMINATION SCALE: 1 1/2" = 1'-0"



A204 10 PARAPET COPING AGAINST WALL SCALE: 1 1/2" = 1'-0"



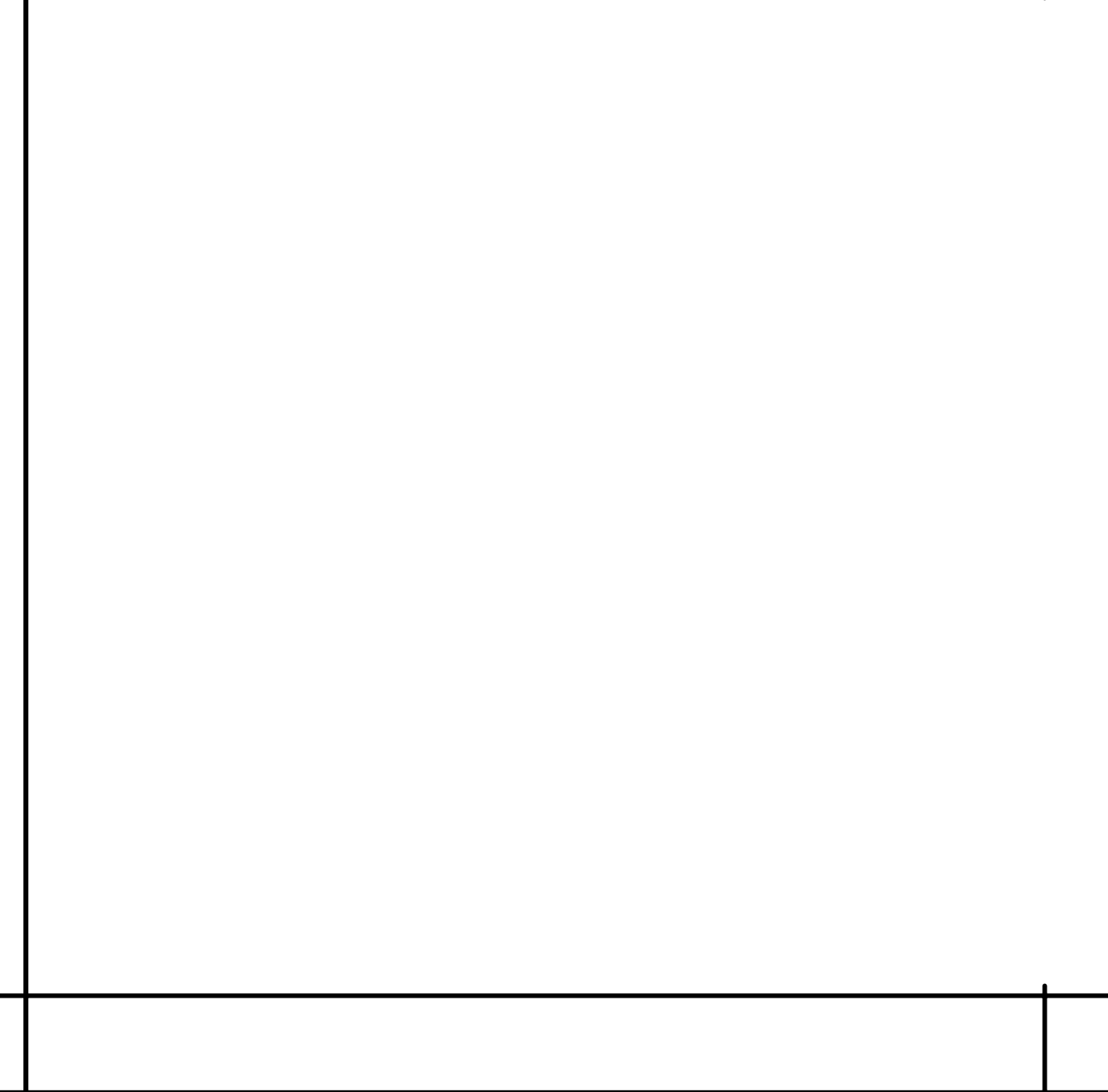
A800 6 TYPICAL WATERPROOFING AT RETAINING WALLS SCALE: 3/4" = 1'-0"



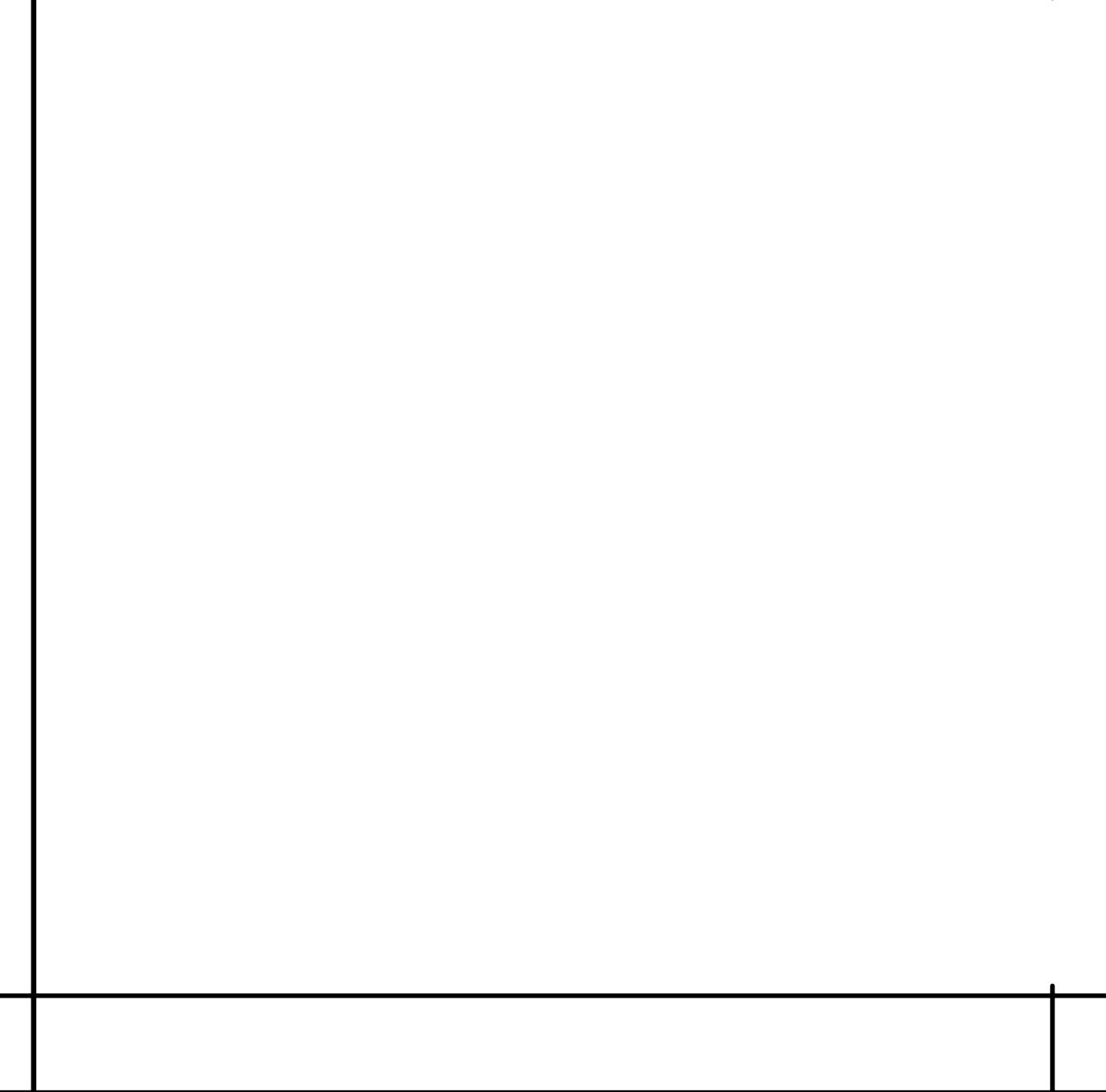
A205 3 TYPICAL PARAPET COPING SCALE: 1 1/2" = 1'-0"



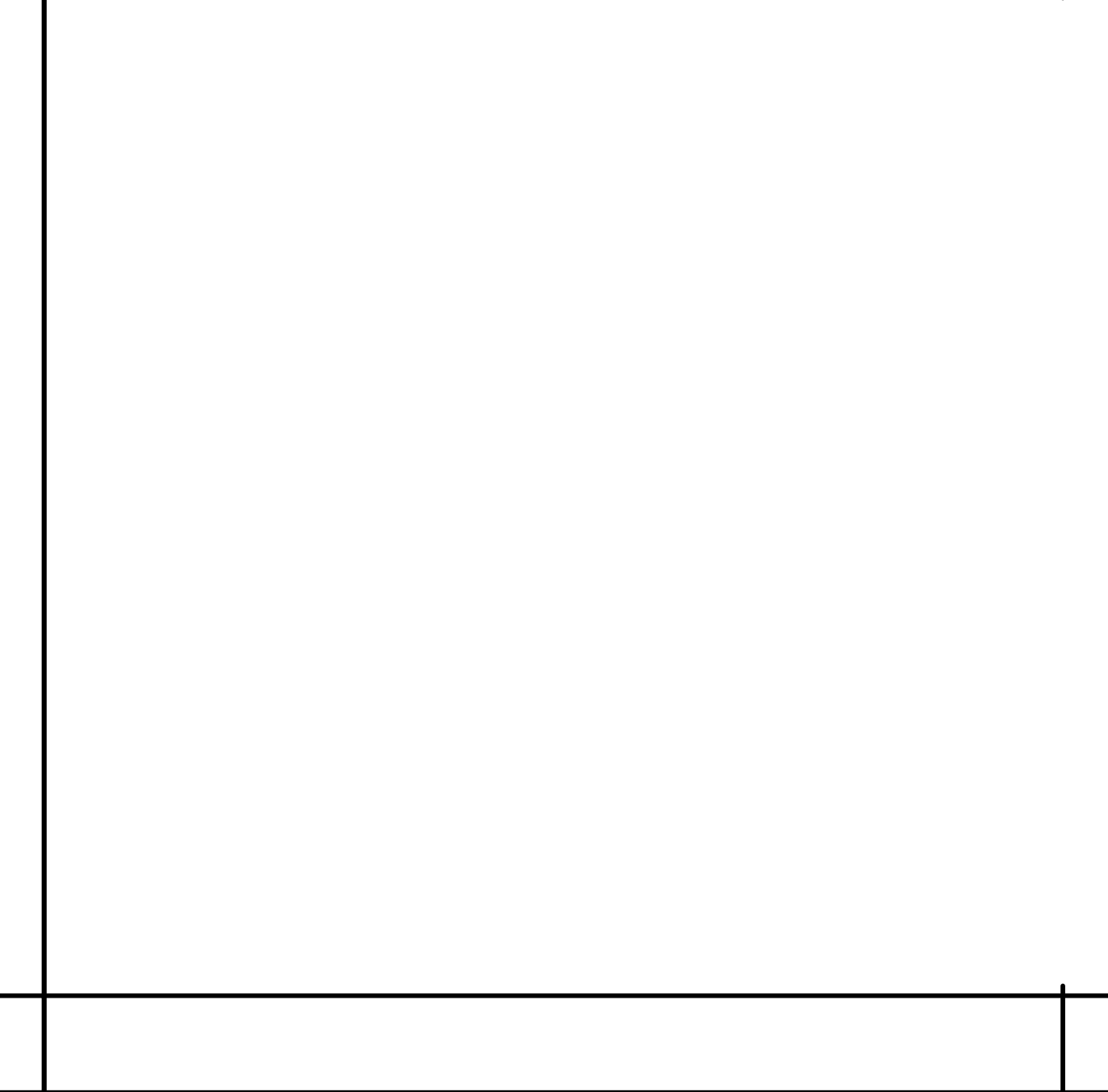
A414 18 TOP OF PARAPET AT (E) JAIL WALL SCALE: 1 1/2" = 1'-0"



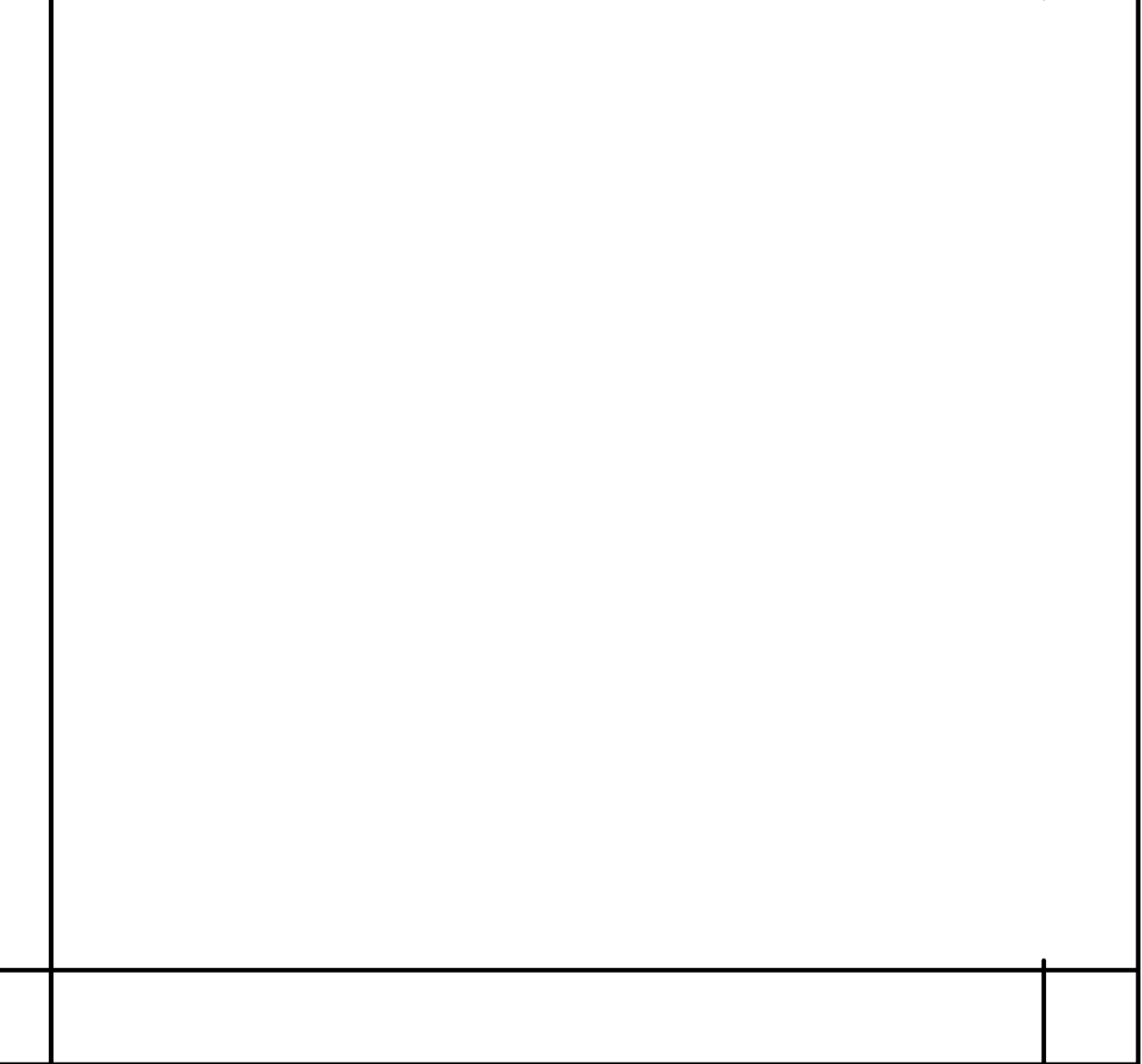
A205 14 PARAPET ROOF MEMBRANE TERMINATION SCALE: 1 1/2" = 1'-0"



A204 10 PARAPET COPING AGAINST WALL SCALE: 1 1/2" = 1'-0"



A800 6 TYPICAL WATERPROOFING AT RETAINING WALLS SCALE: 3/4" = 1'-0"



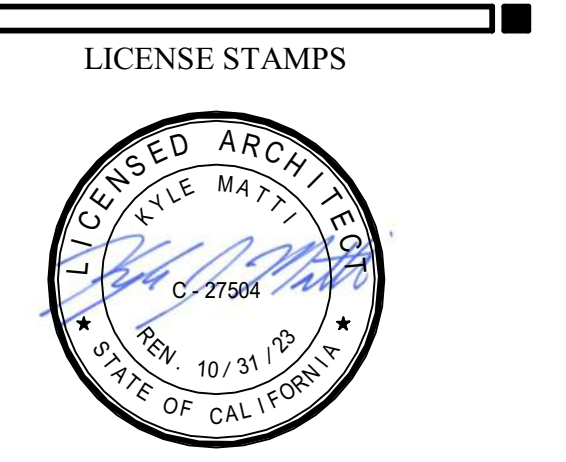
A205 3 TYPICAL PARAPET COPING SCALE: 1 1/2" = 1'-0"



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NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
LIONAKIS CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**EXTERIOR DETAILS**

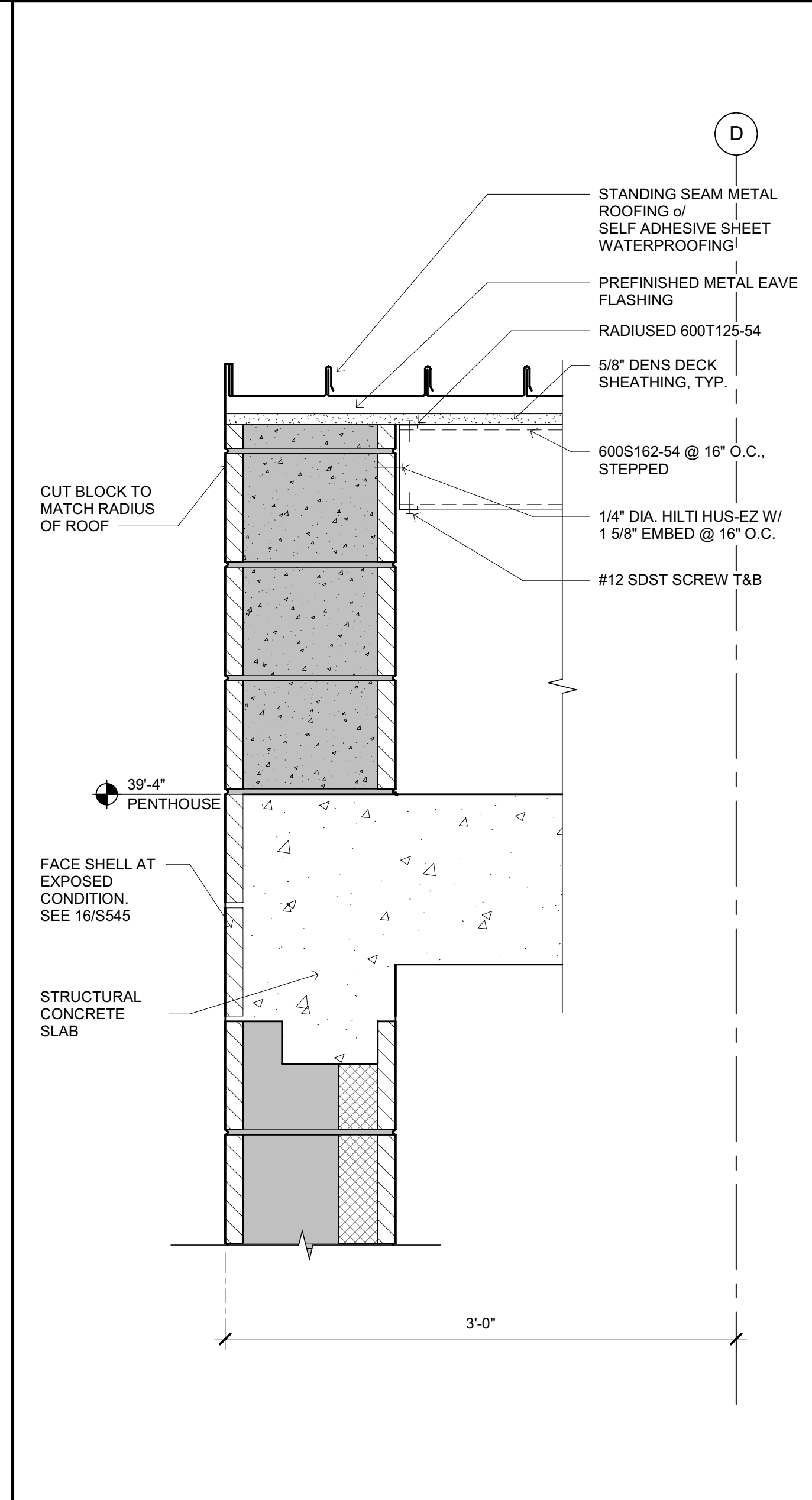
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

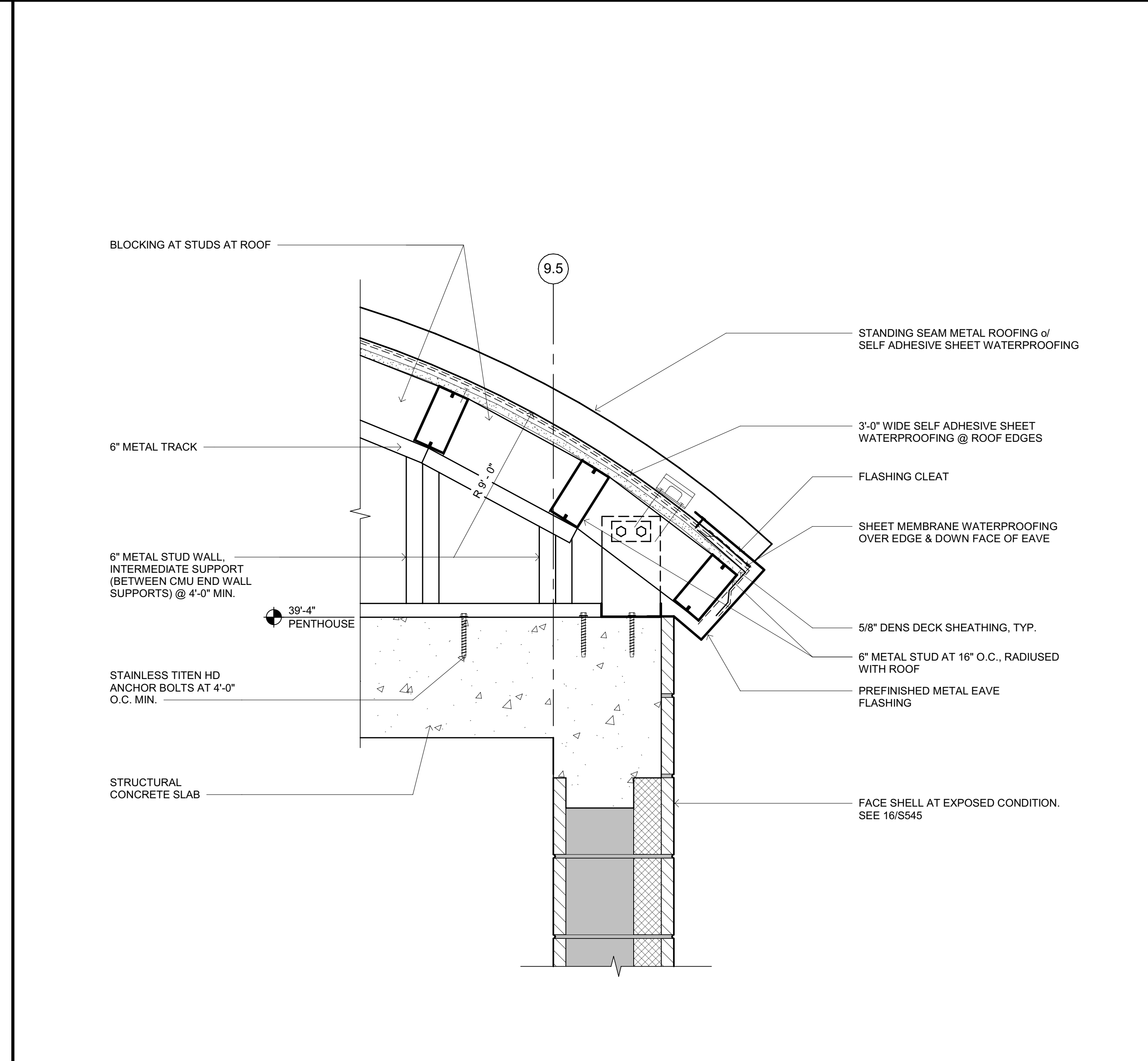
Delta	Description	Date

Drawn By: \_\_\_\_\_ Author: \_\_\_\_\_  
Date Issued: 09.19.2022  
Scale: As indicated  
Project No.: 16-6421.00

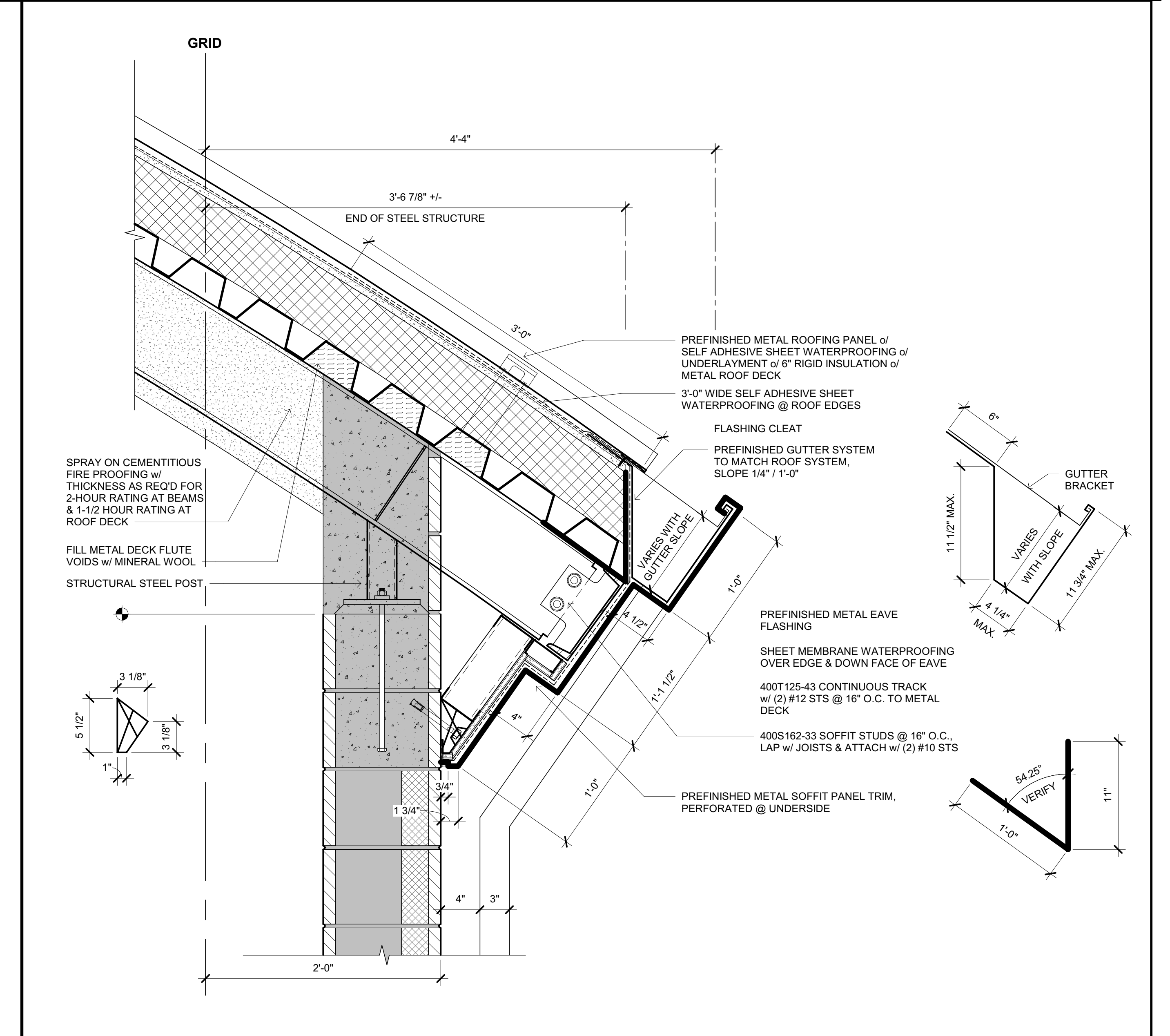
SHEET No.  
**A800 V4**



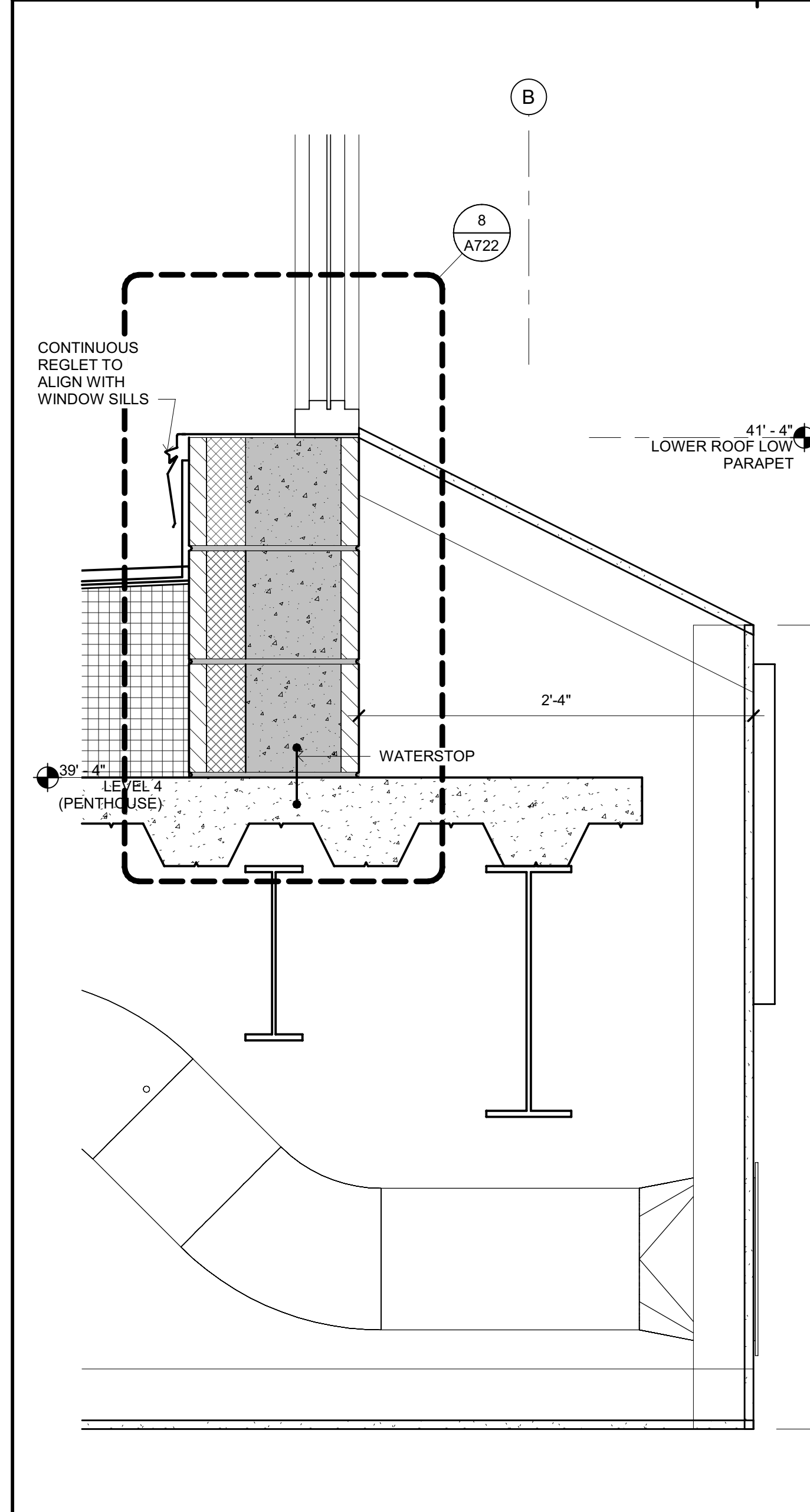
**8** METAL ROOF AT EAST STAIR  
SCALE: 1 1/2" = 1'-0"



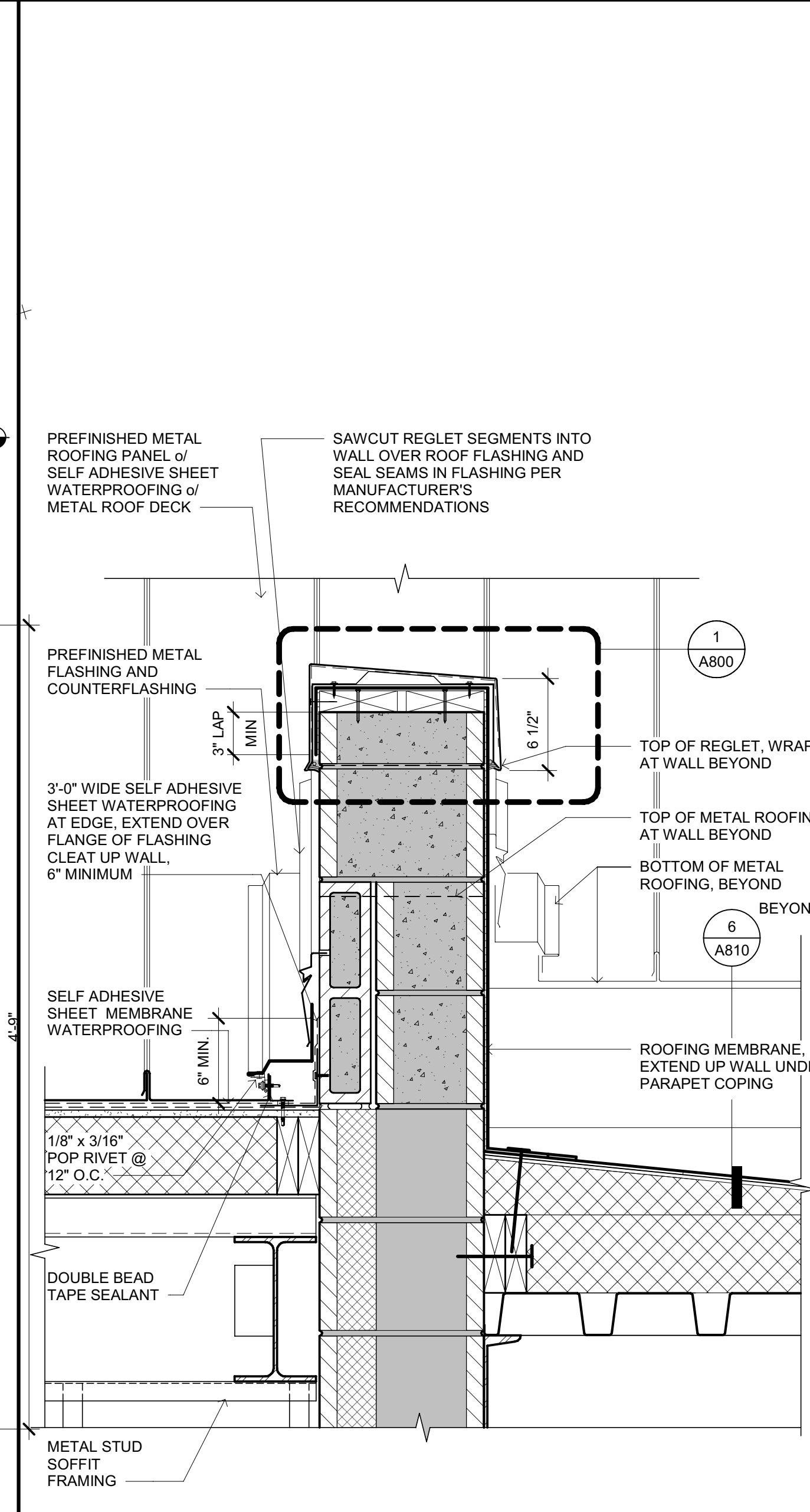
**5** METAL ROOF EAVE AT EAST STAIR  
SCALE: 1 1/2" = 1'-0"



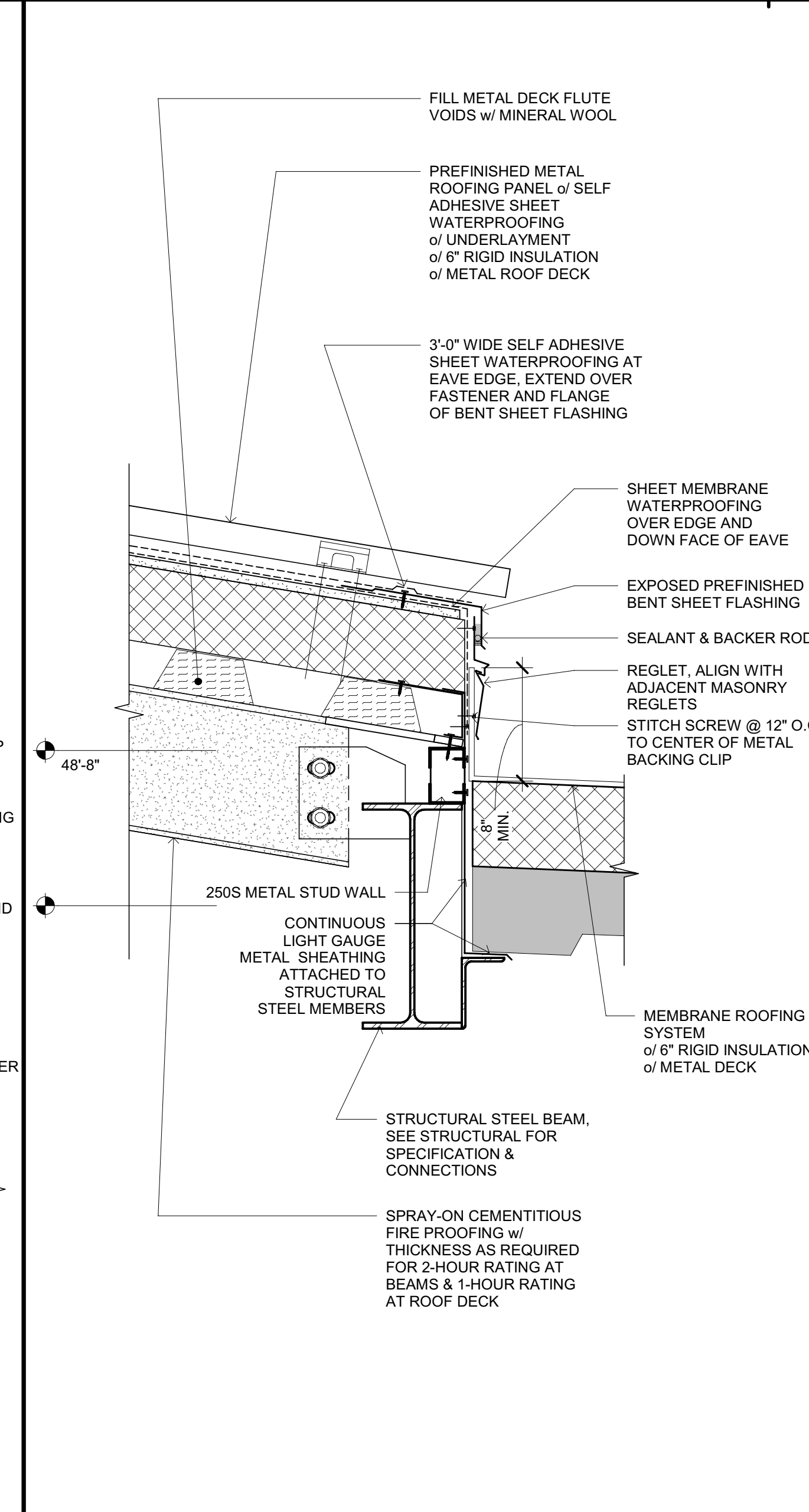
**1** METAL ROOF EAVE AT GUTTER  
SCALE: 1 1/2" = 1'-0"



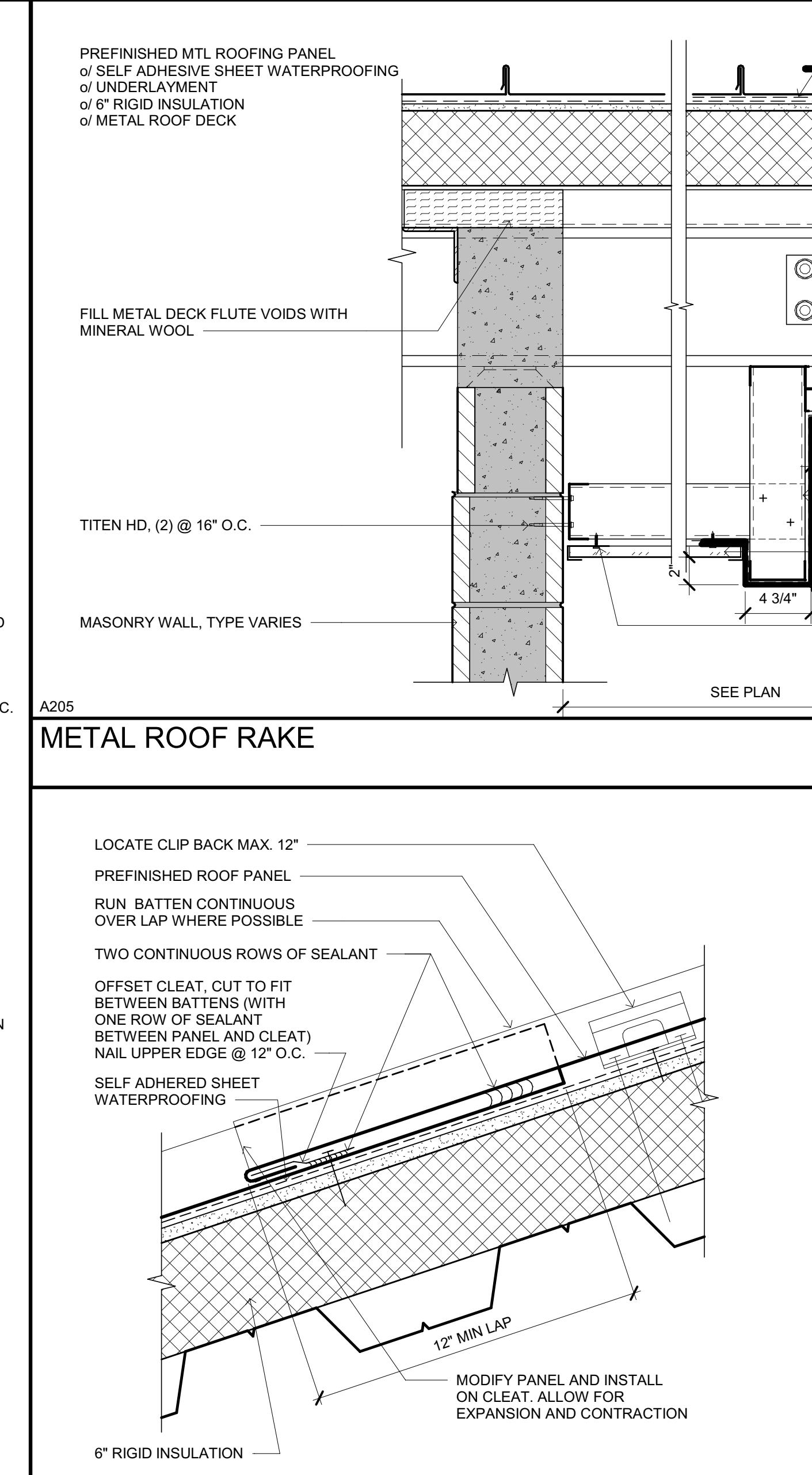
**9** WINDOW SILL AT LIGHT WELL  
SCALE: 1 1/2" = 1'-0"



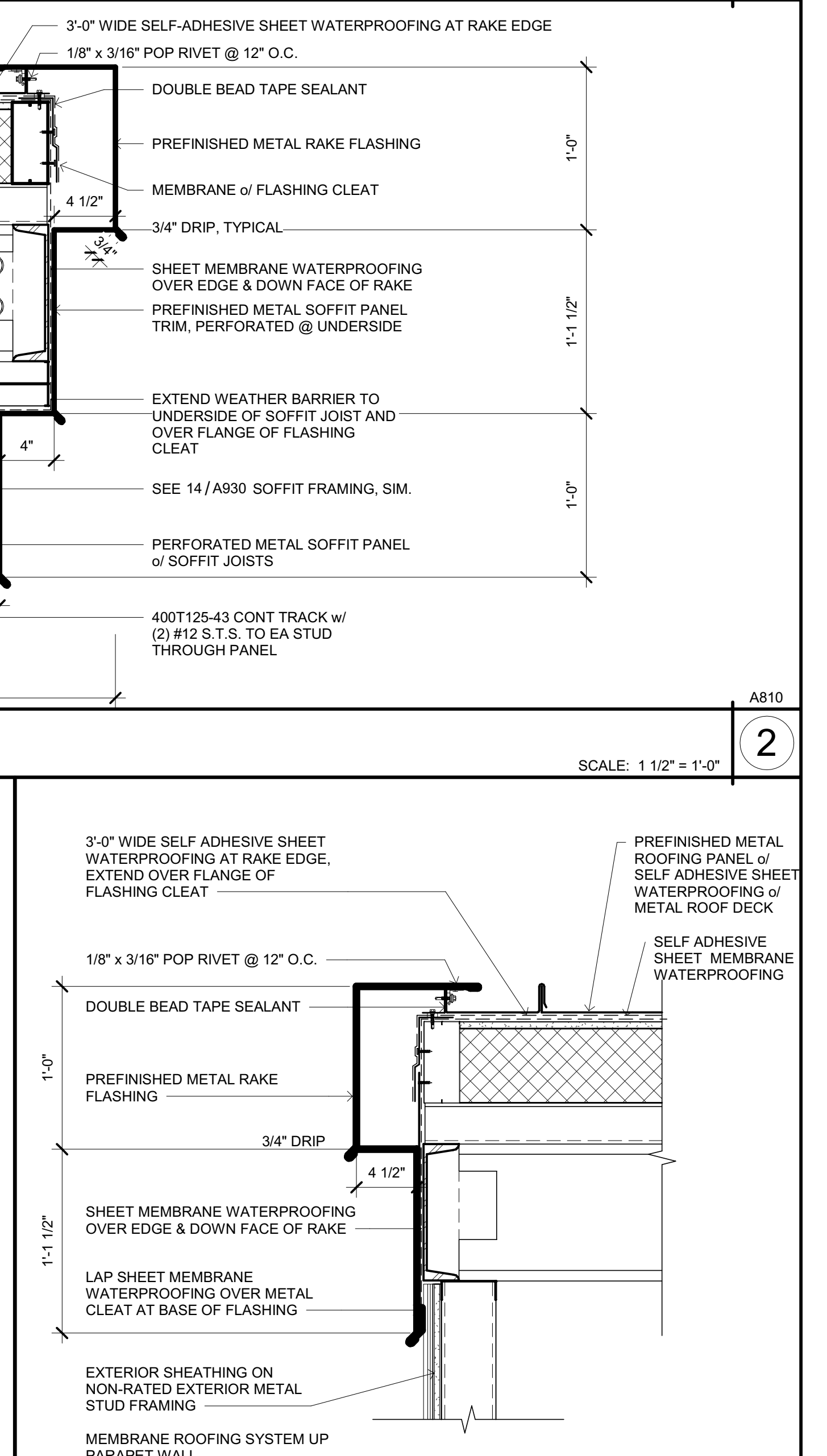
**7** METAL ROOF AT SIDEWALL  
SCALE: 1 1/2" = 1'-0"



**6** METAL ROOF EAVE AT PENTHOUSE  
SCALE: 1 1/2" = 1'-0"



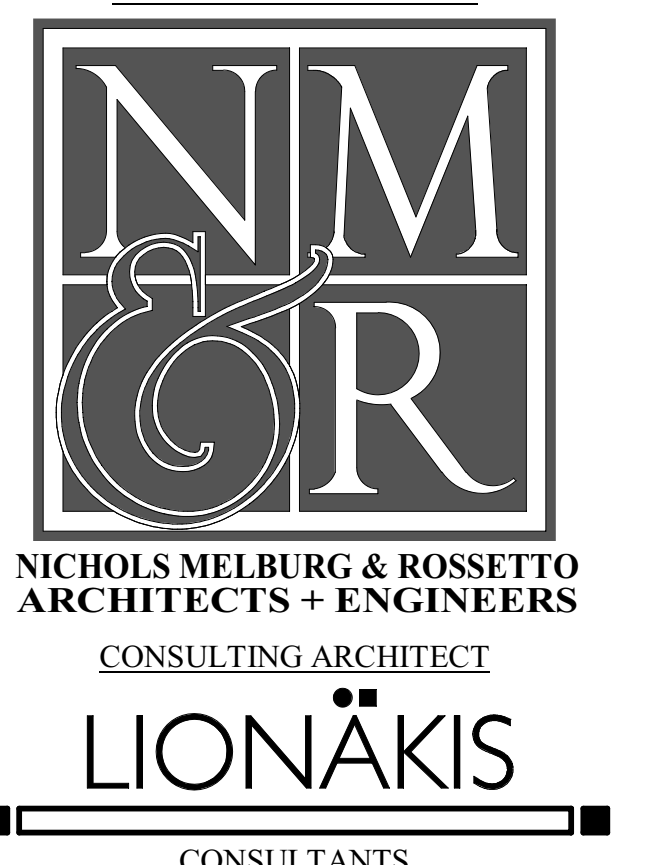
**4** TYPICAL METAL ROOF PANEL LAP  
SCALE: 3\"/>



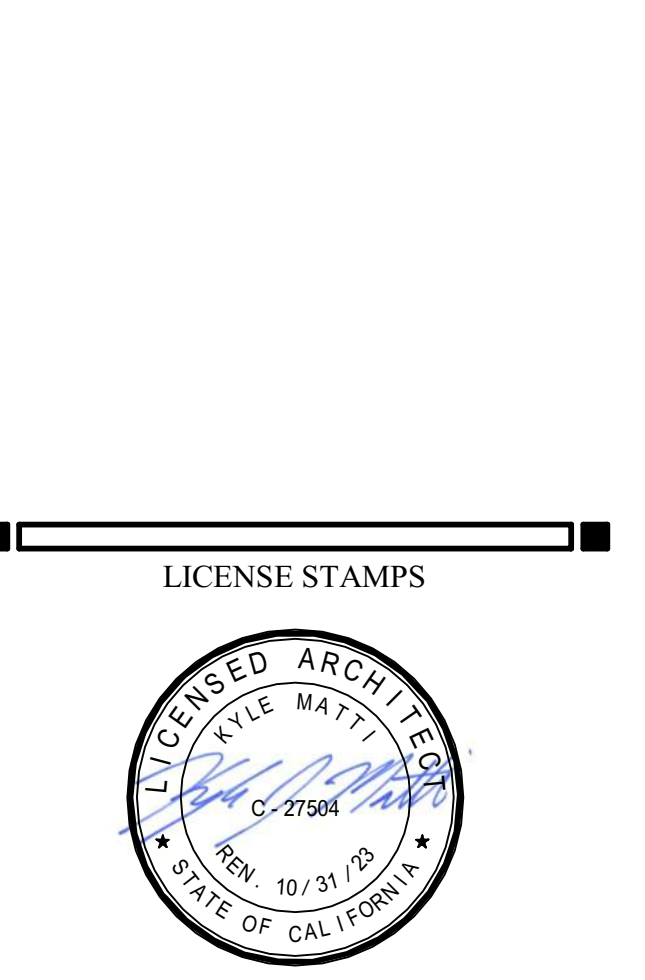
**3** METAL RAKE AT PENTHOUSE  
SCALE: 1 1/2" = 1'-0"



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LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**ROOFING DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

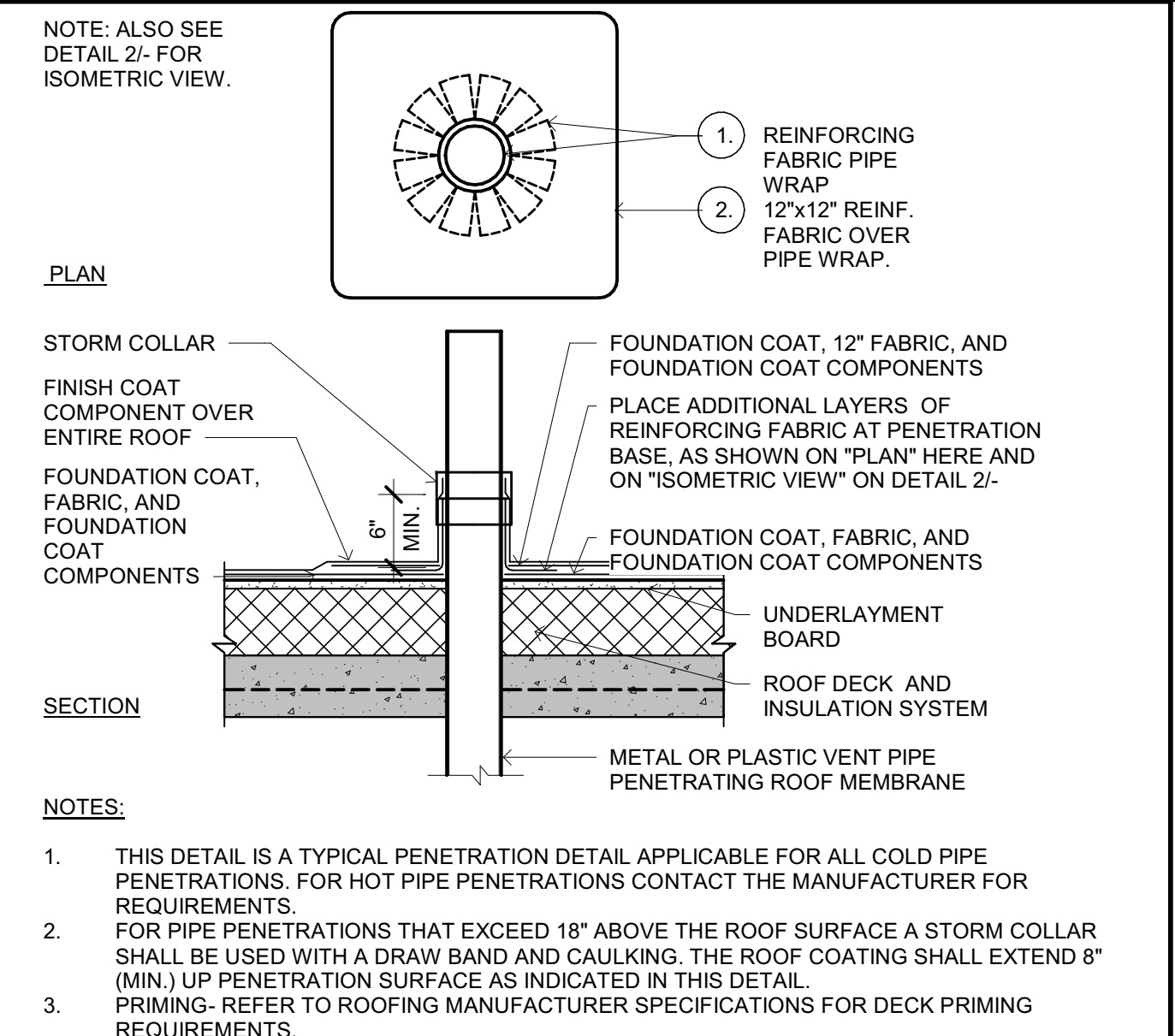
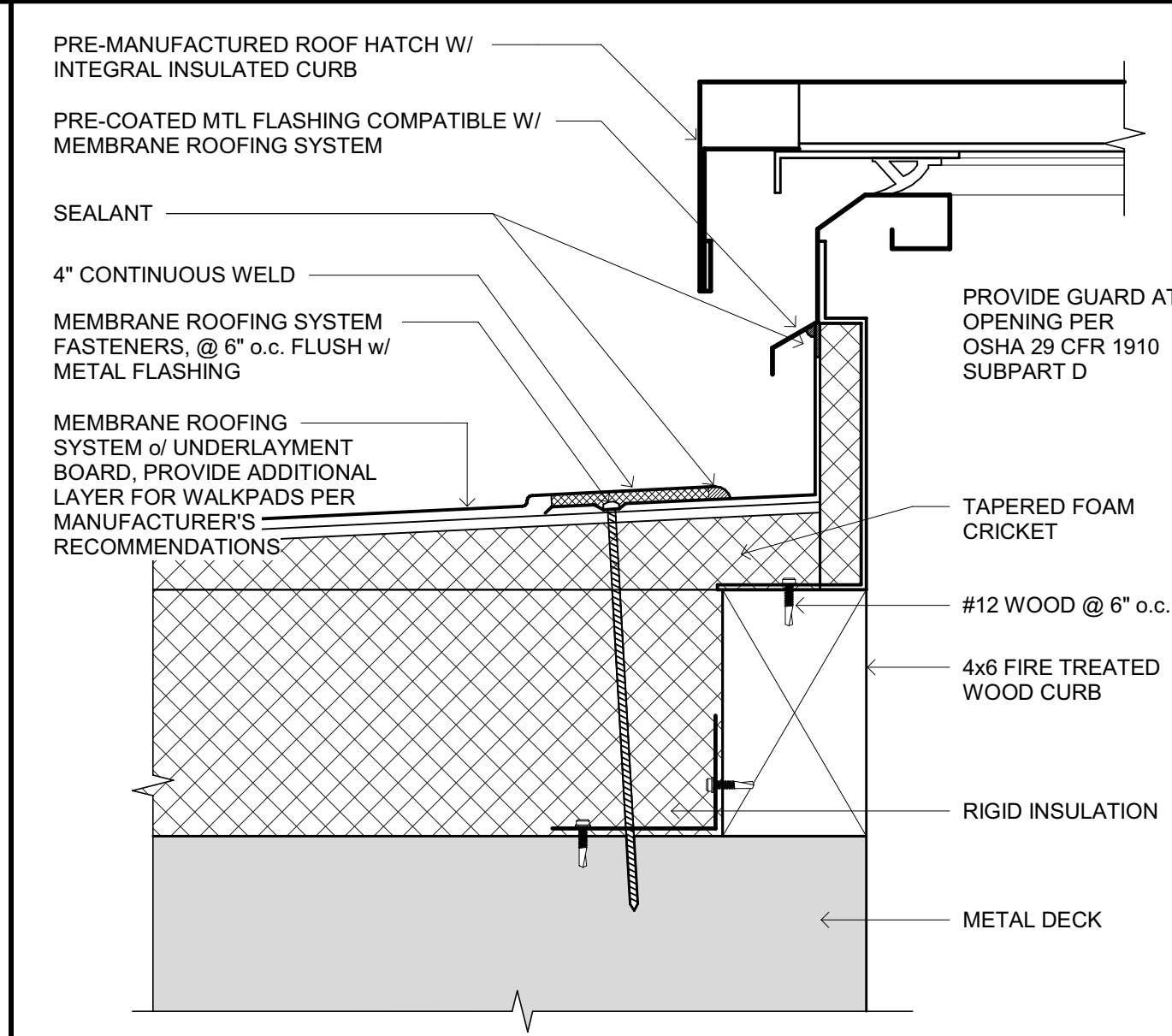
REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

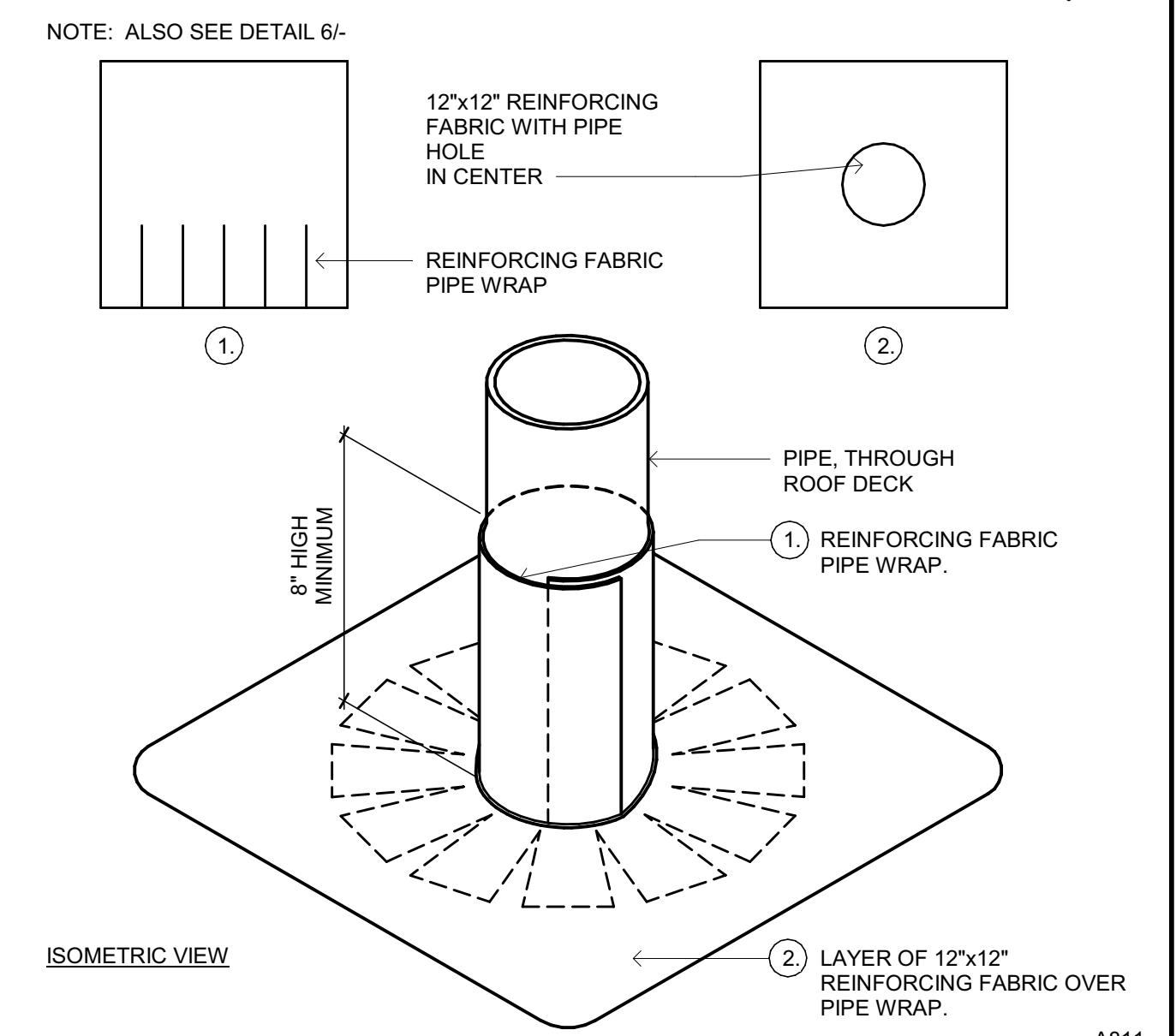
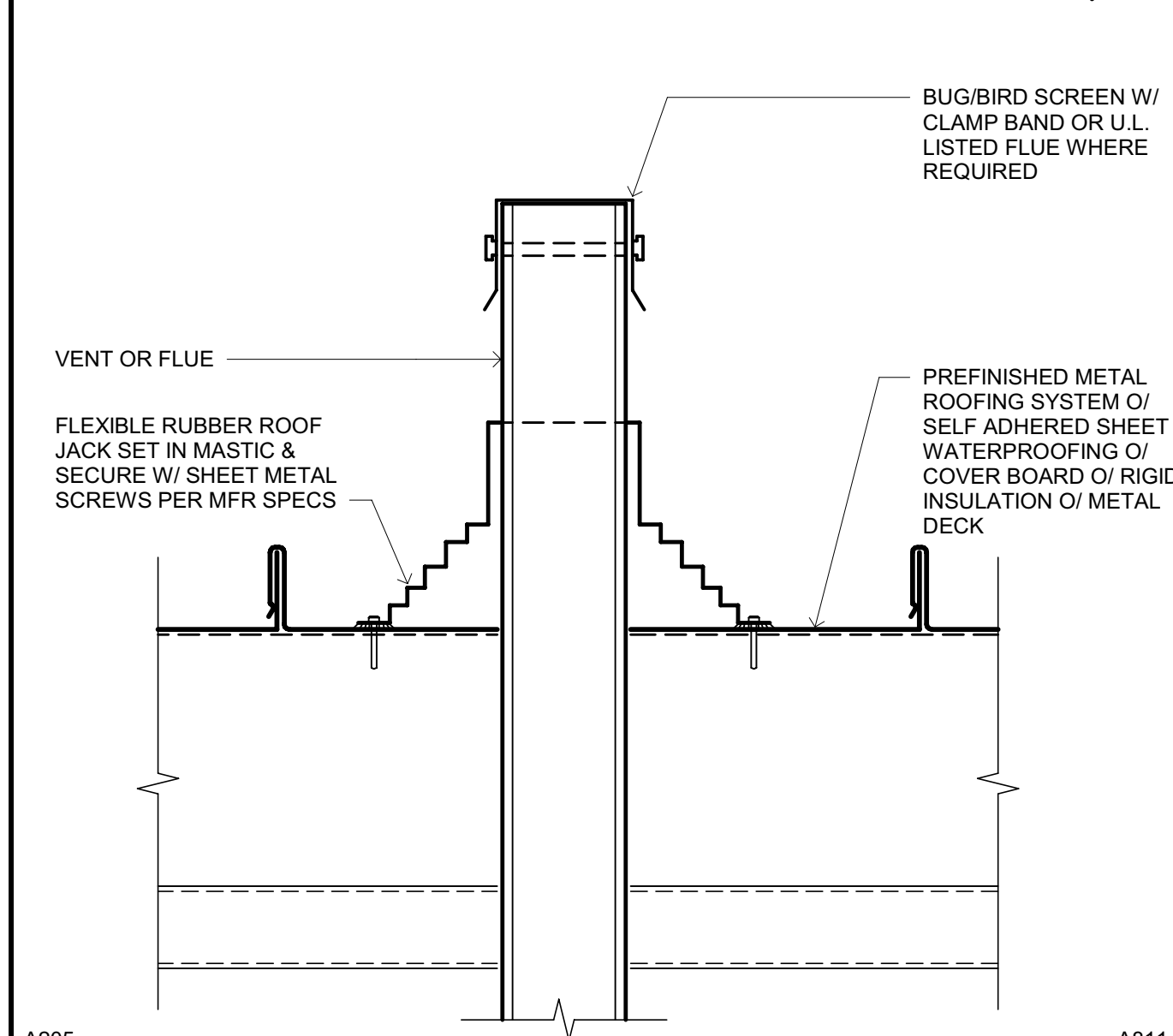
SHEET No.  
**A810 V4**

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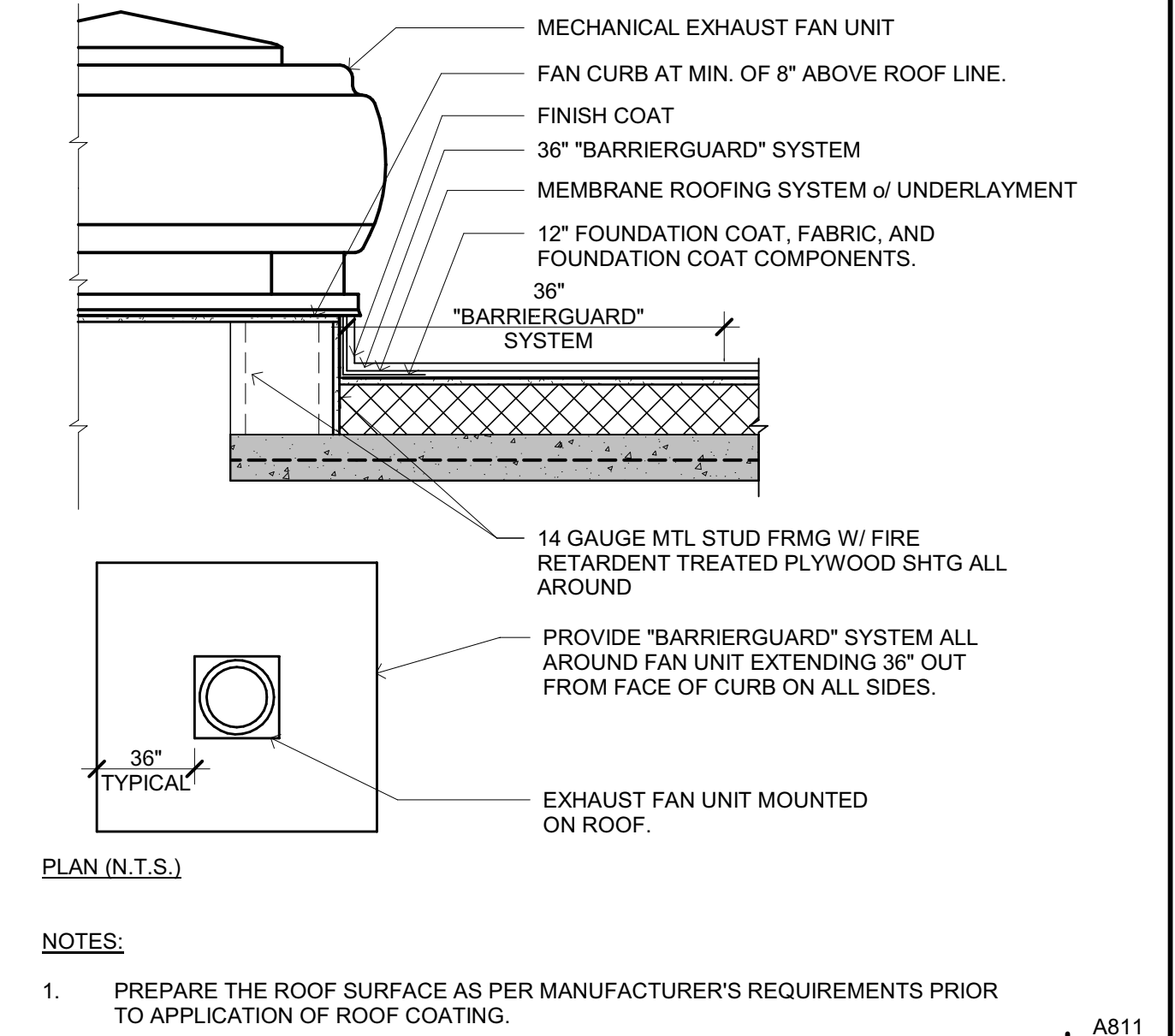
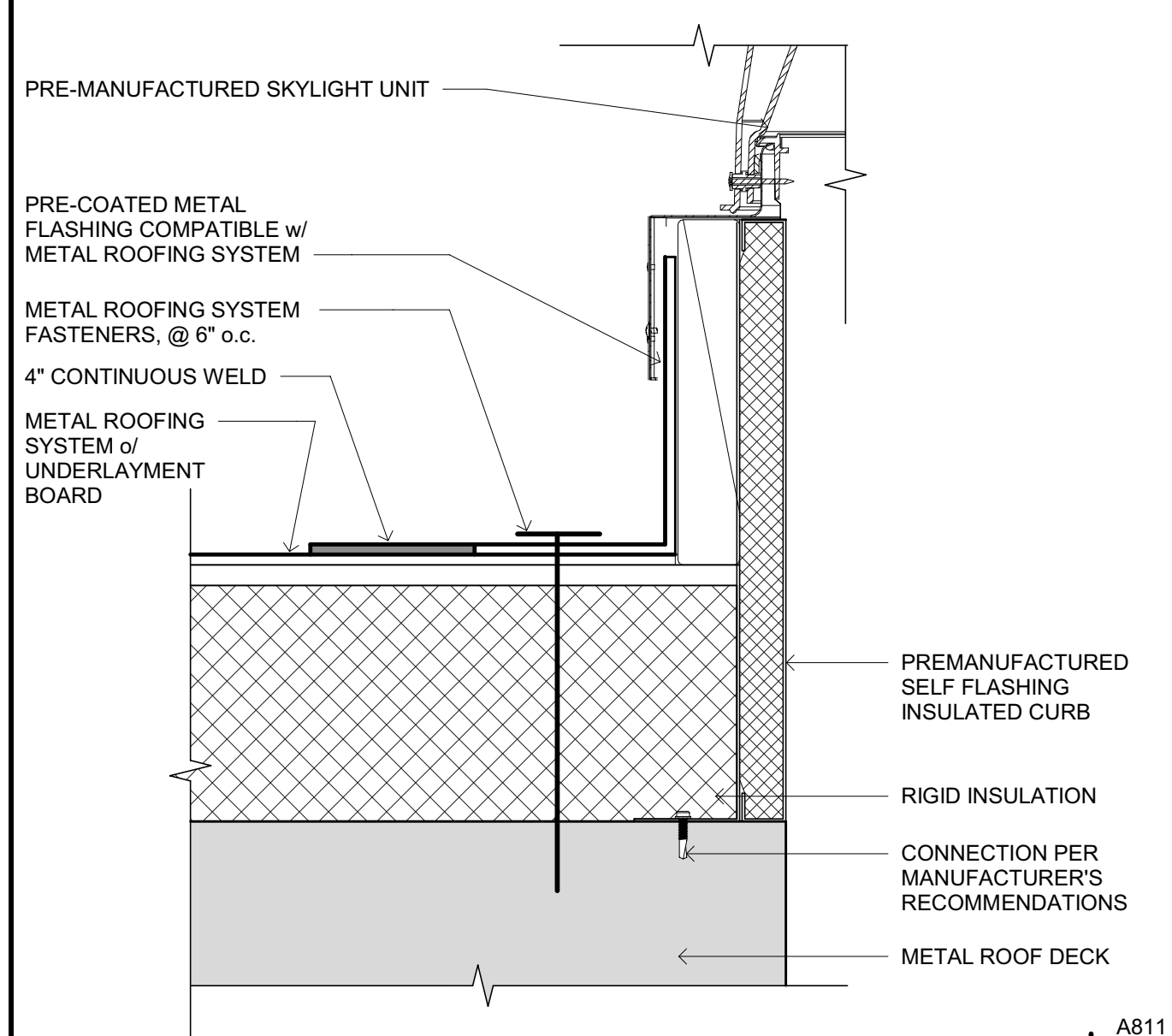
A602 A811  
ROOF ACCESS HATCH SCALE: 3\"/>

A205 A811  
TYP. VENT PIPE FLASHING SCALE: 1\"/>



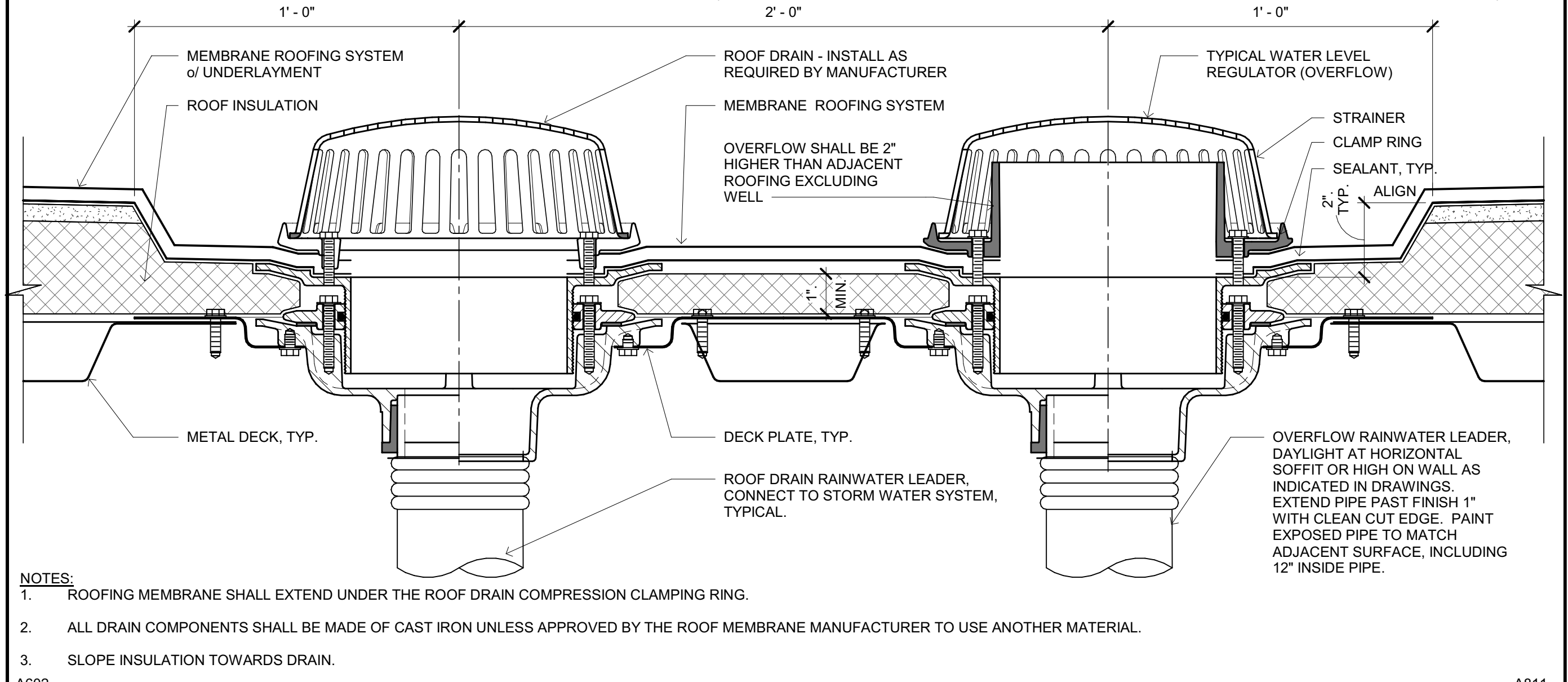
A205 A811  
TYPICAL PIPE PENETRATION AT METAL ROOF SCALE: 3\"/>

A811  
TYP. VENT PIPE FLASHING SCALE: 1 1/2\"/>



A811  
SKYLIGHT CURB FLASHING AT METAL ROOF SCALE: 3\"/>

A811  
EXHAUST FAN FLASHING SCALE: 3/4\"/>



A602  
ROOF DRAIN & OVERFLOW SCALE: 3\"/>

A811  
SCALE: 3\"/>



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ARCHITECT OF RECORD  
**NM & R**  
NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS

LICENSE STAMPS  
  
PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**ROOFING DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A811 V4**

Plot Date: 9/20/2022 1:38:19 PM File Name: 16-6421.00-Informational Co. - Corrections Re-Entry Resource Ctr.A\_MCR-Rev-Entry.rvt

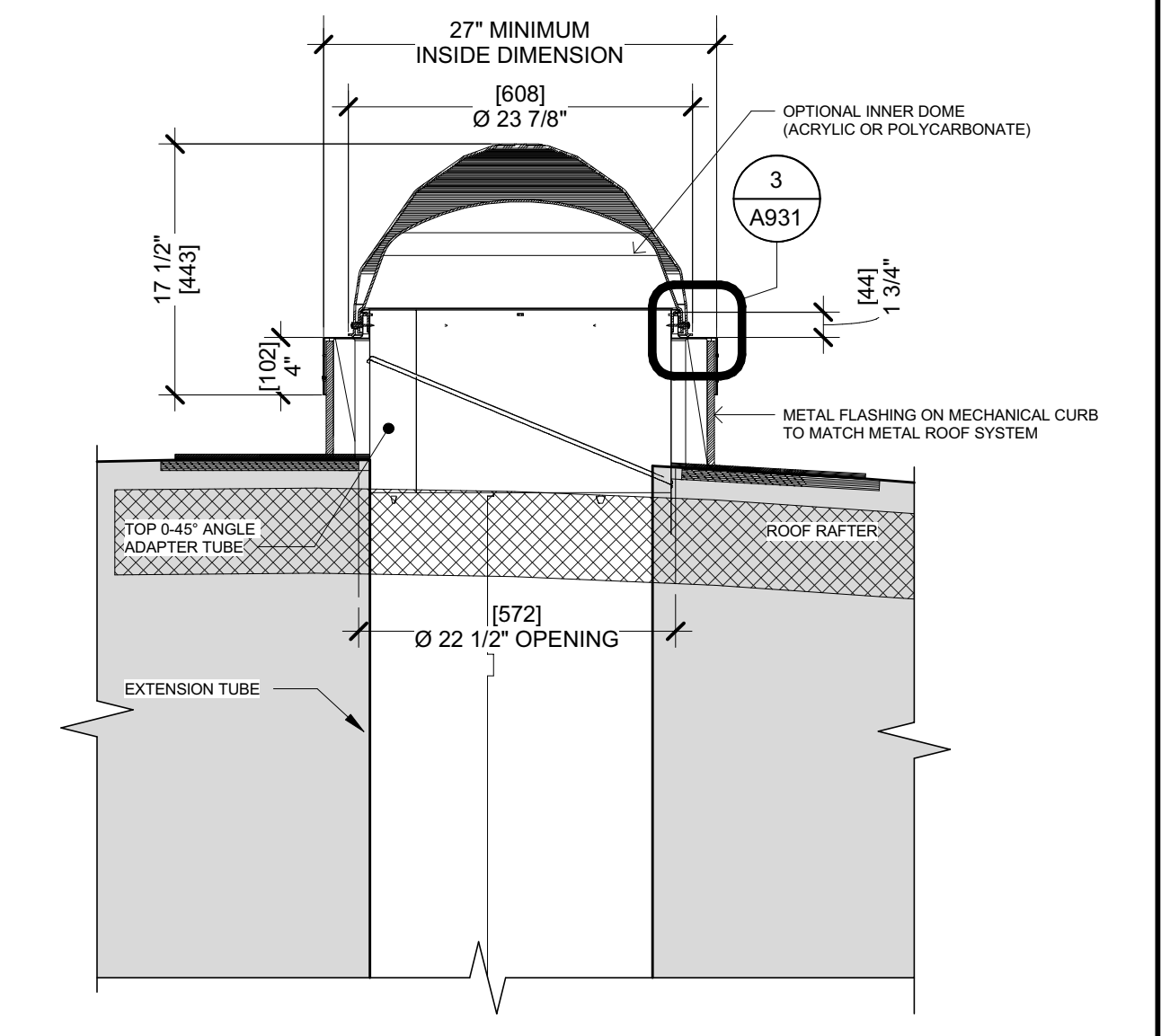
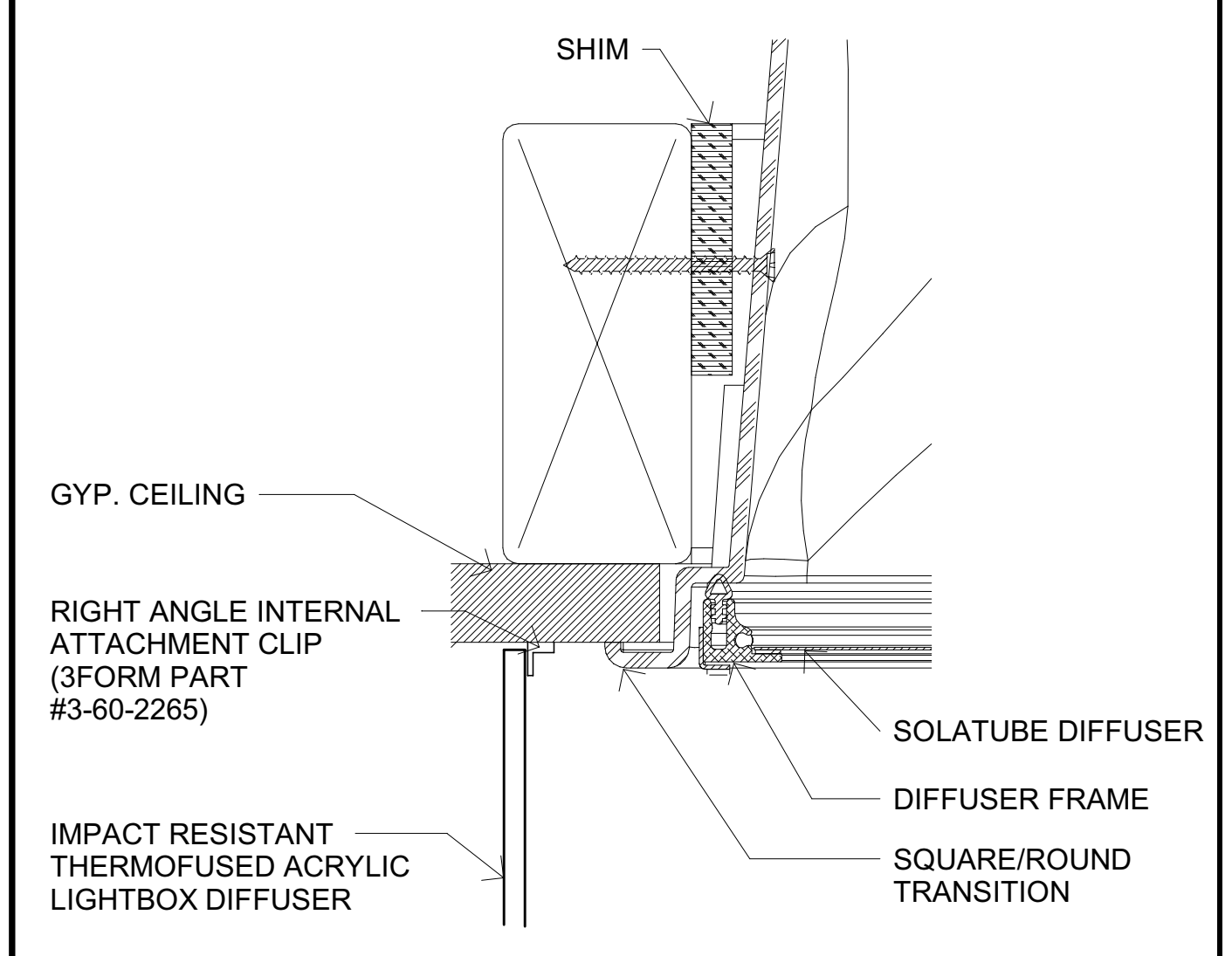




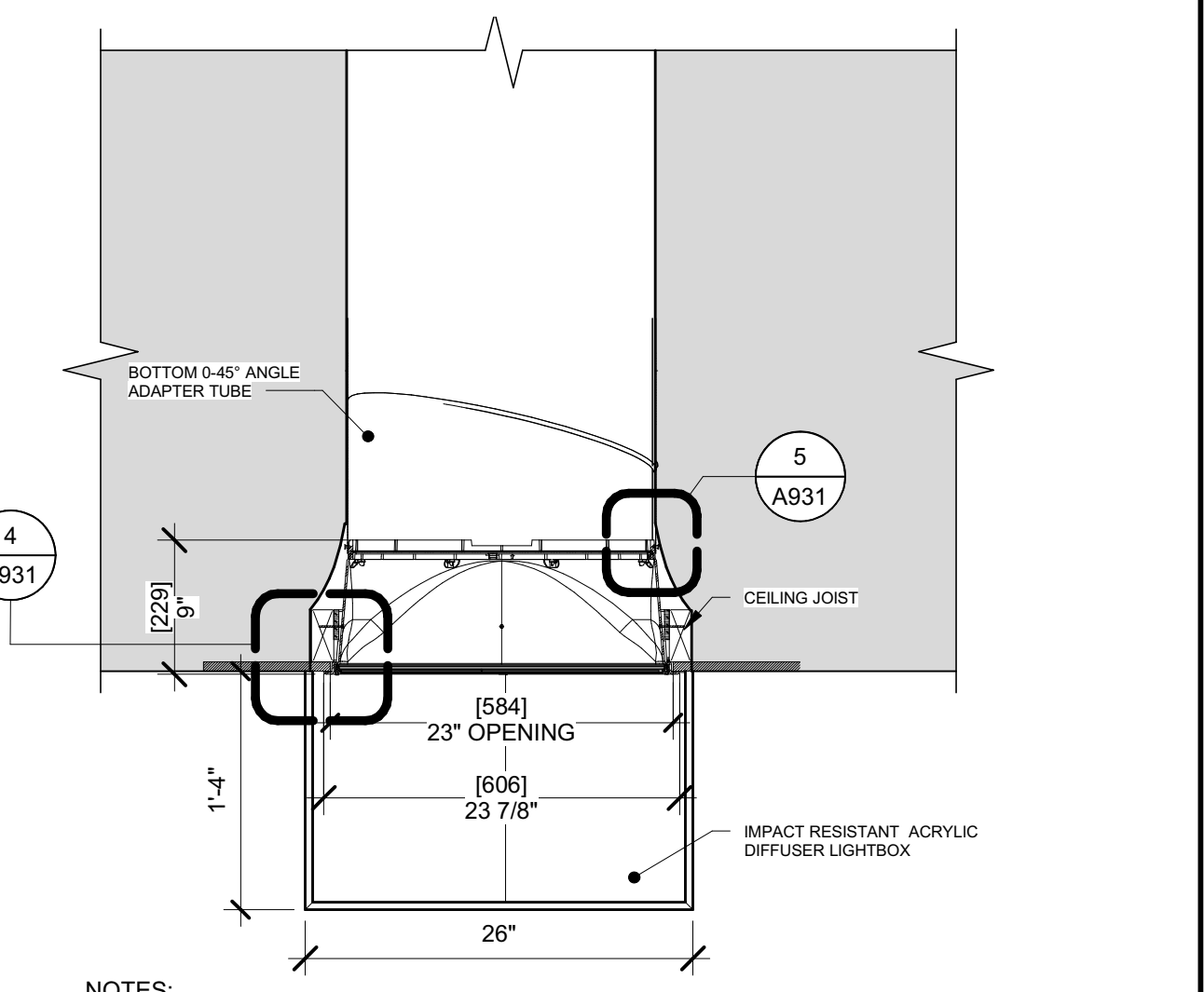
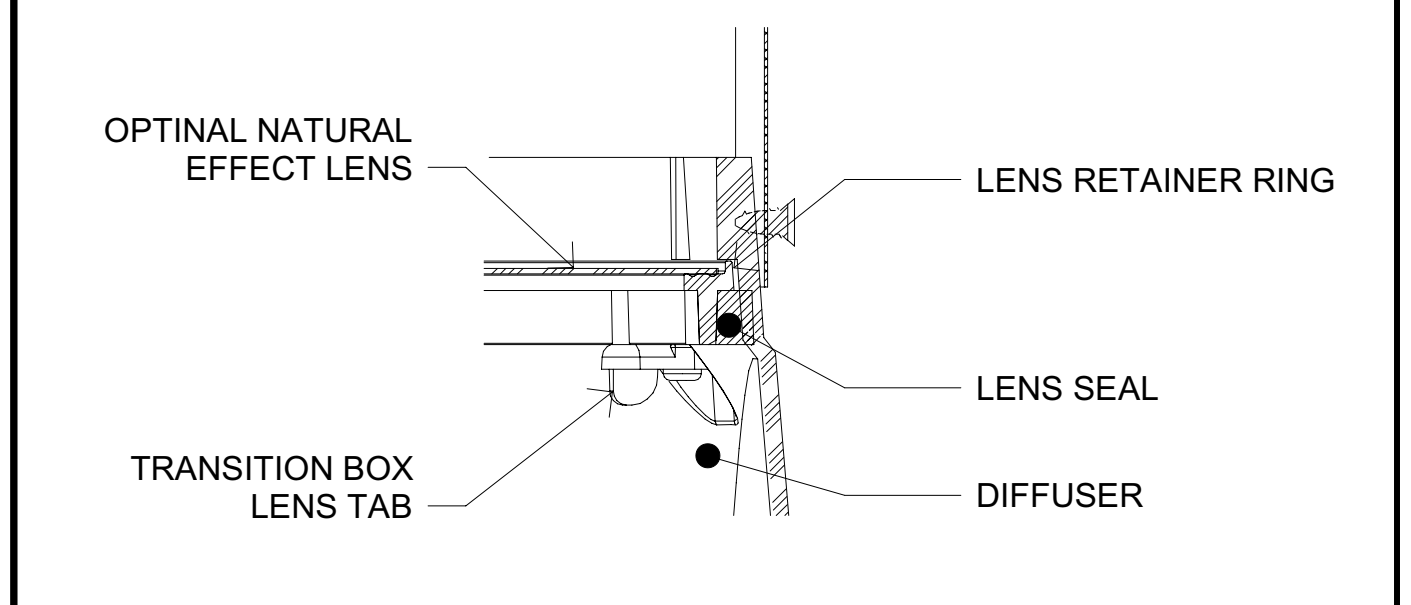






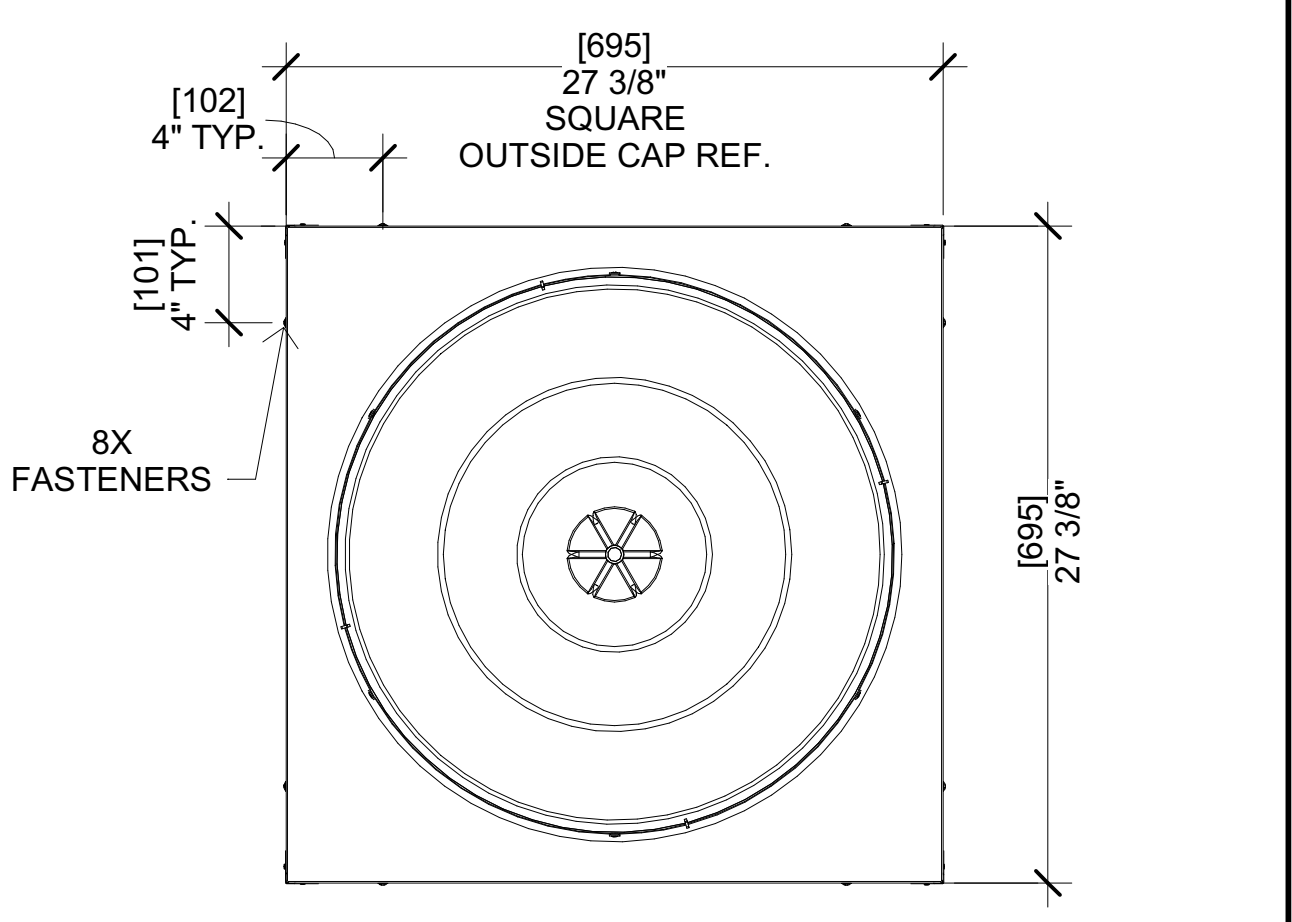


A931  
**TUBULAR SKYLIGHT DIFFUSER AT GYP BOARD CEILING**  
 SCALE: 3" = 1'-0" **4**

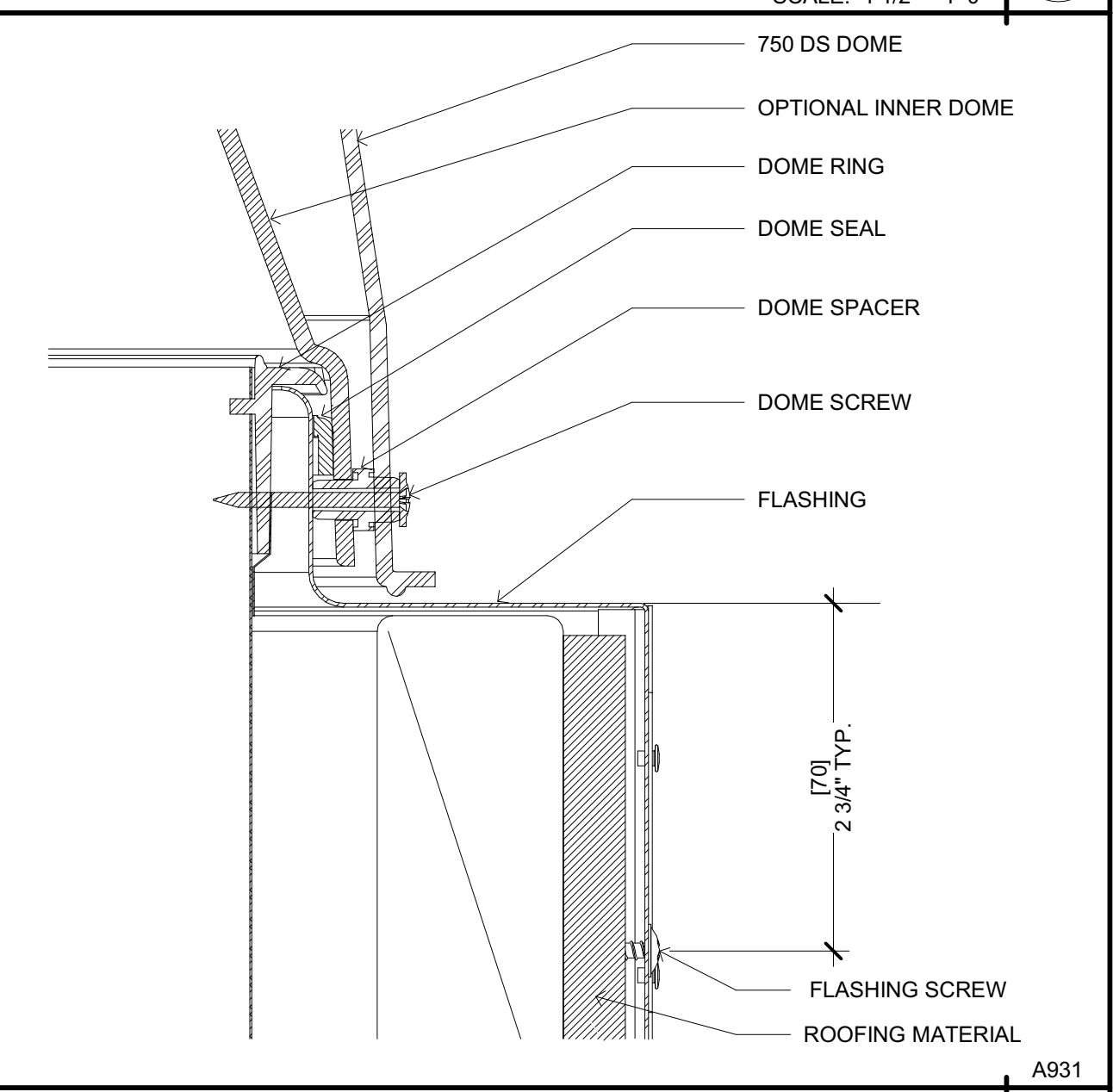


A931  
**TUBULAR SKYLIGHT DIFFUSER LENS ATTACHMENT**  
 SCALE: 3" = 1'-0" **5**

A931 A400  
**TUBULAR SKYLIGHT SECTION**  
 SCALE: 1" = 1'-0" **1**



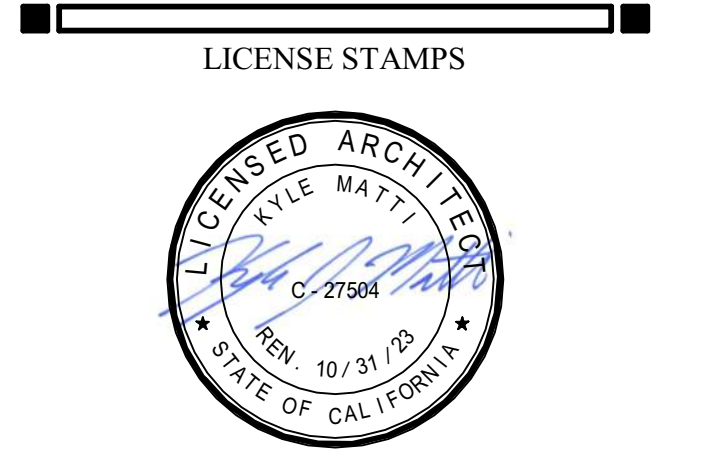
A931  
**TUBULAR SKYLIGHT PLAN**  
 SCALE: 1 1/2" = 1'-0" **2**



A931  
**TUBULAR SKYLIGHT CURB**  
 SCALE: 3" = 1'-0" **3**



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**CEILING DETAILS**

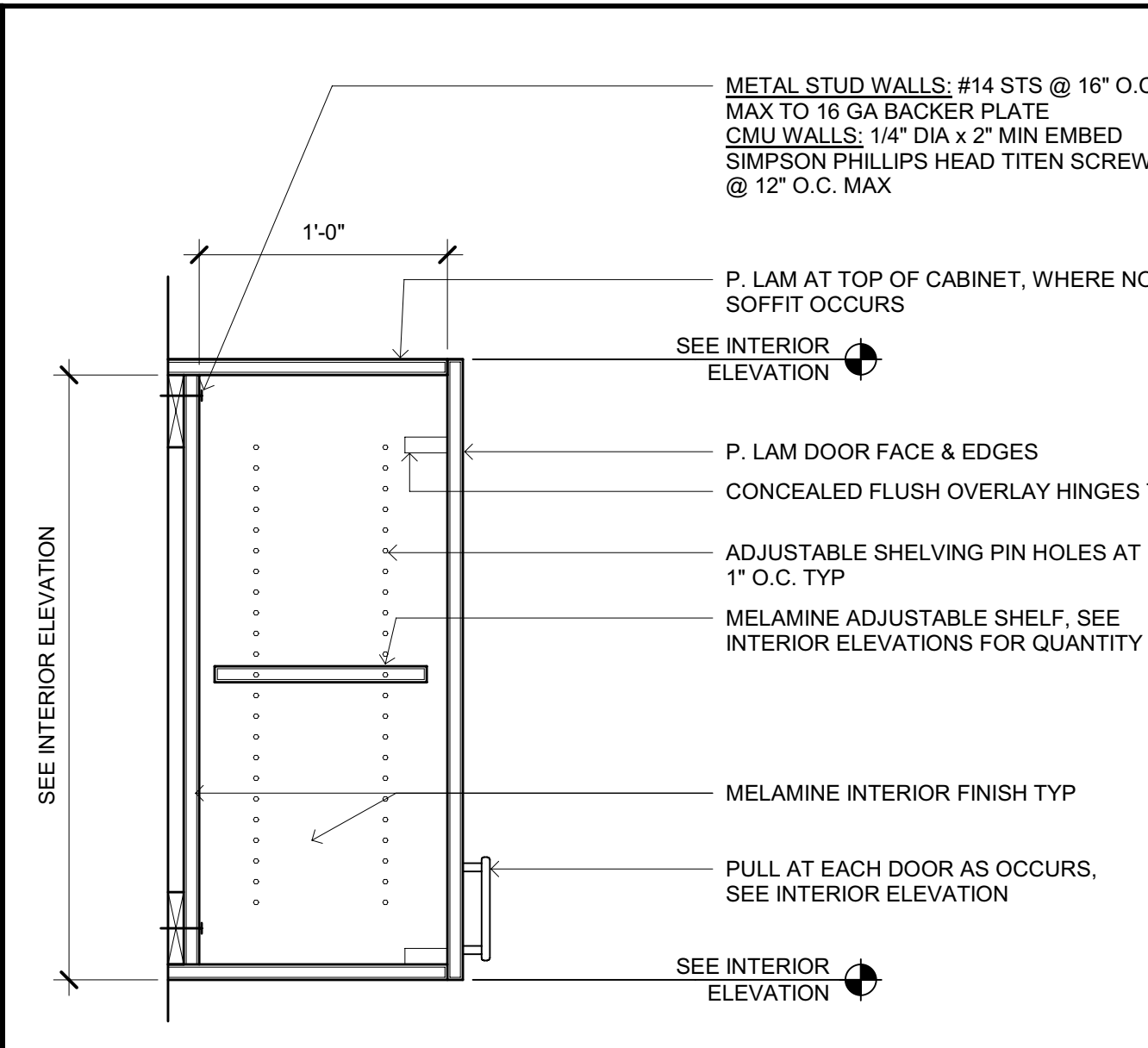
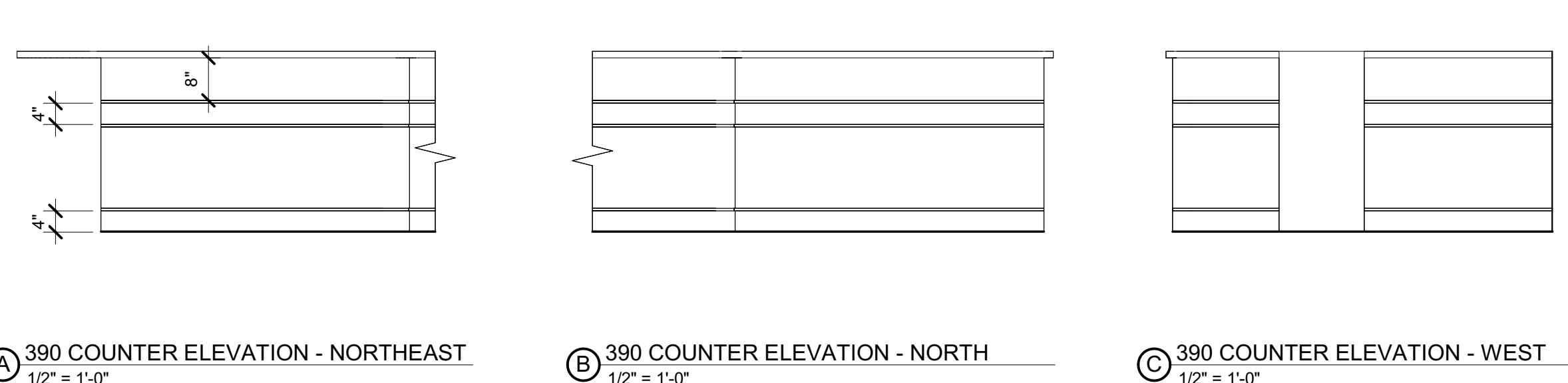
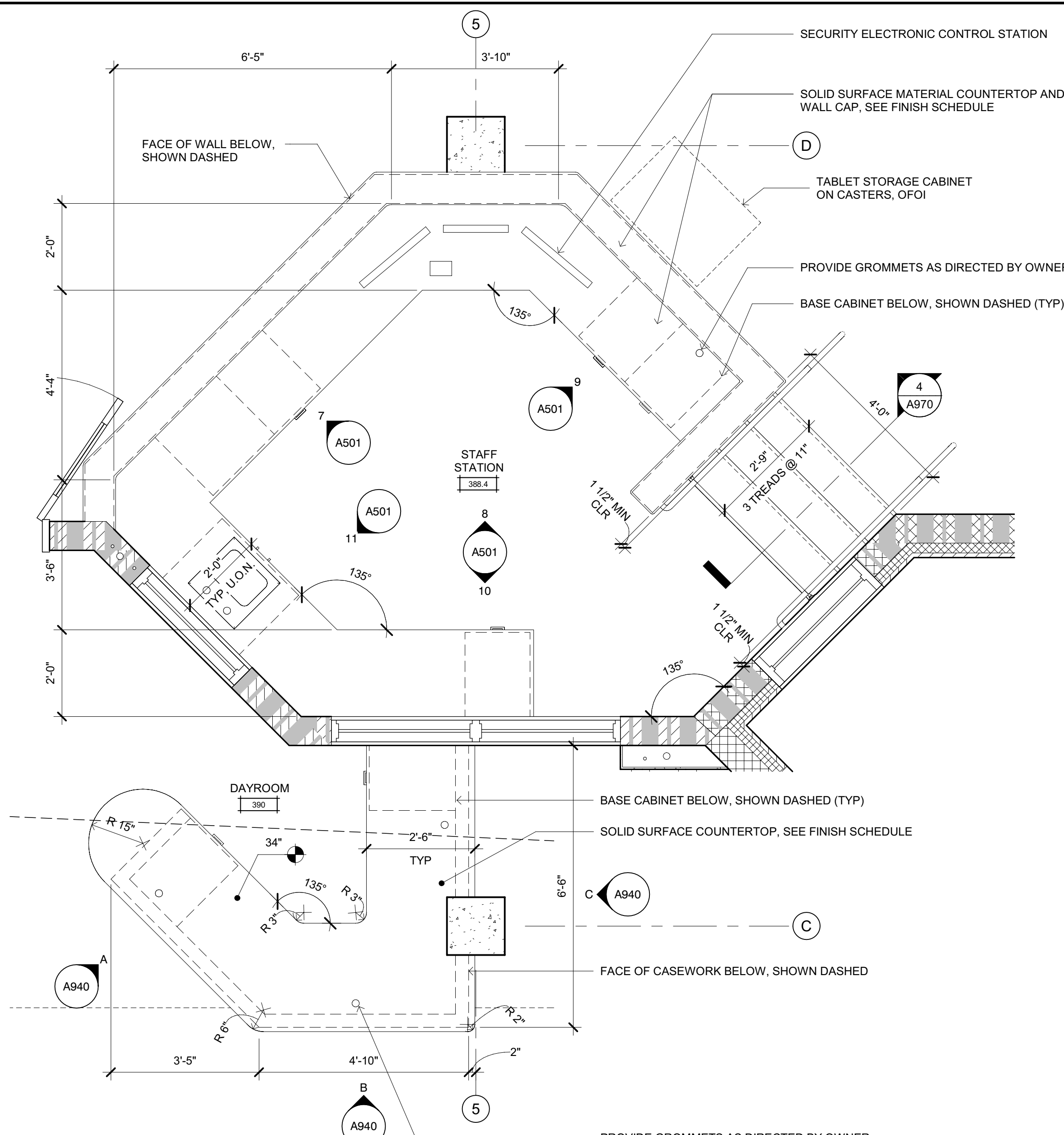
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

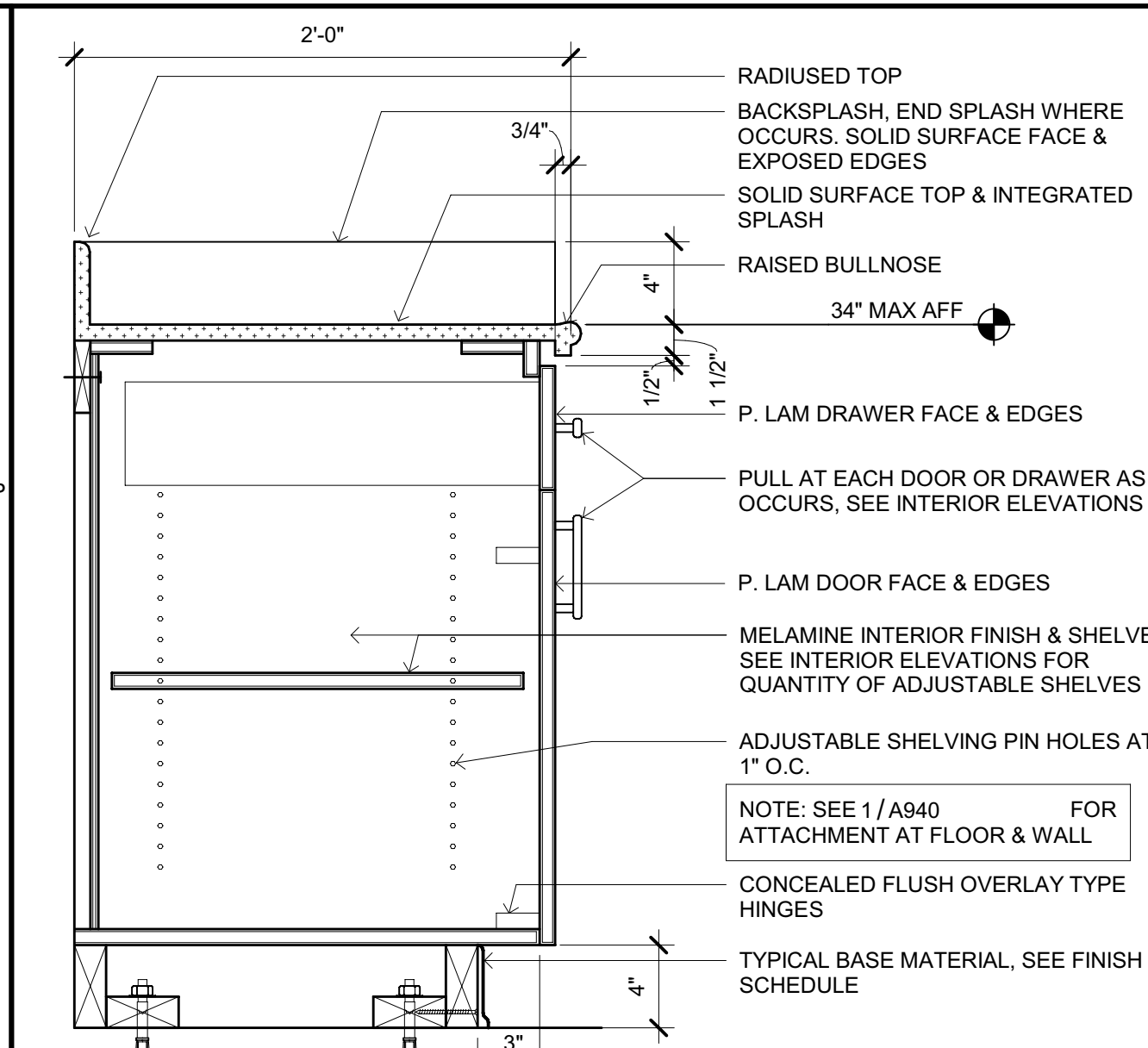
Delta	Description	Date

Drawn By	KA
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

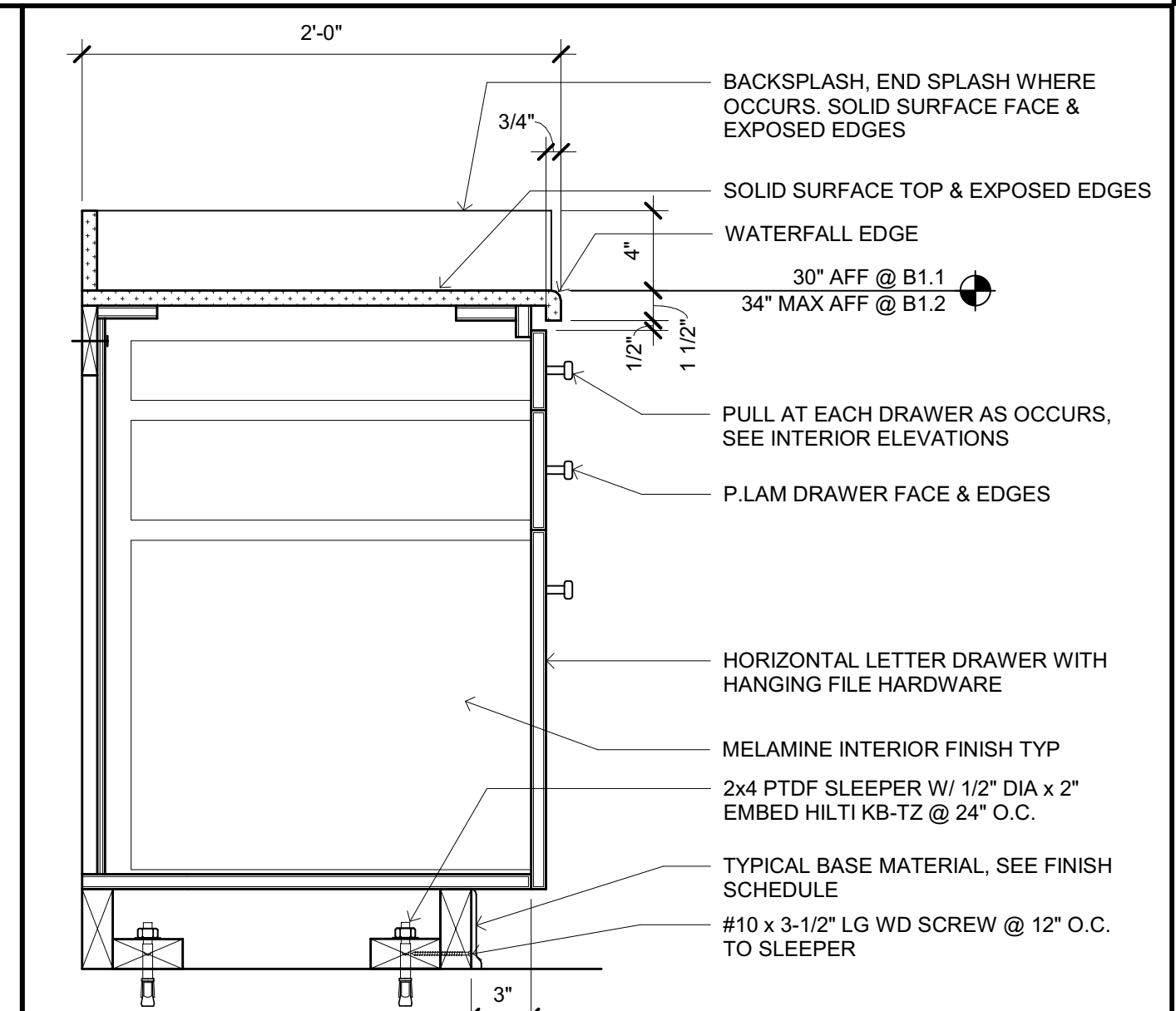
SHEET No.  
**A931 V4**



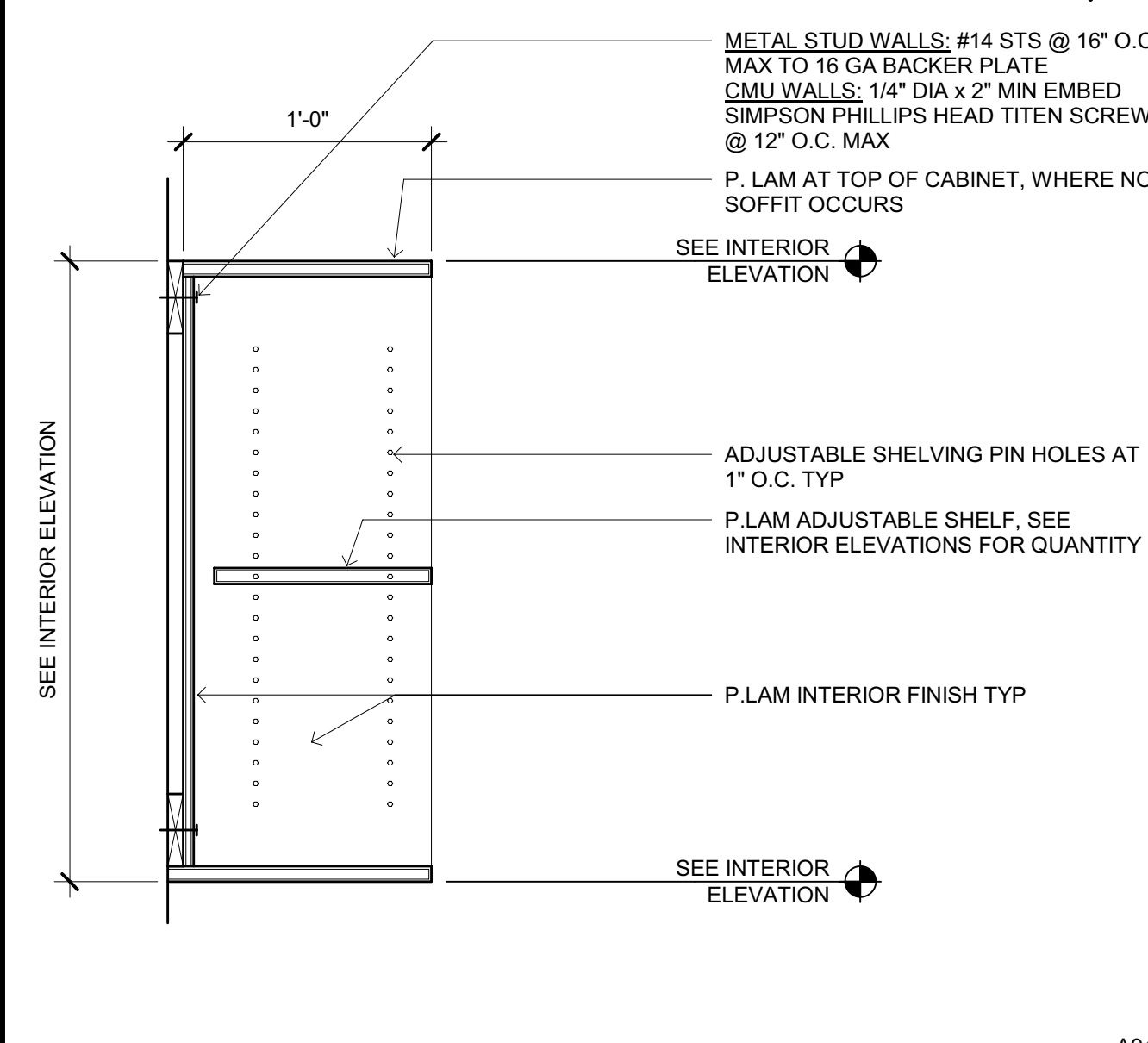
UPPER CABINET  
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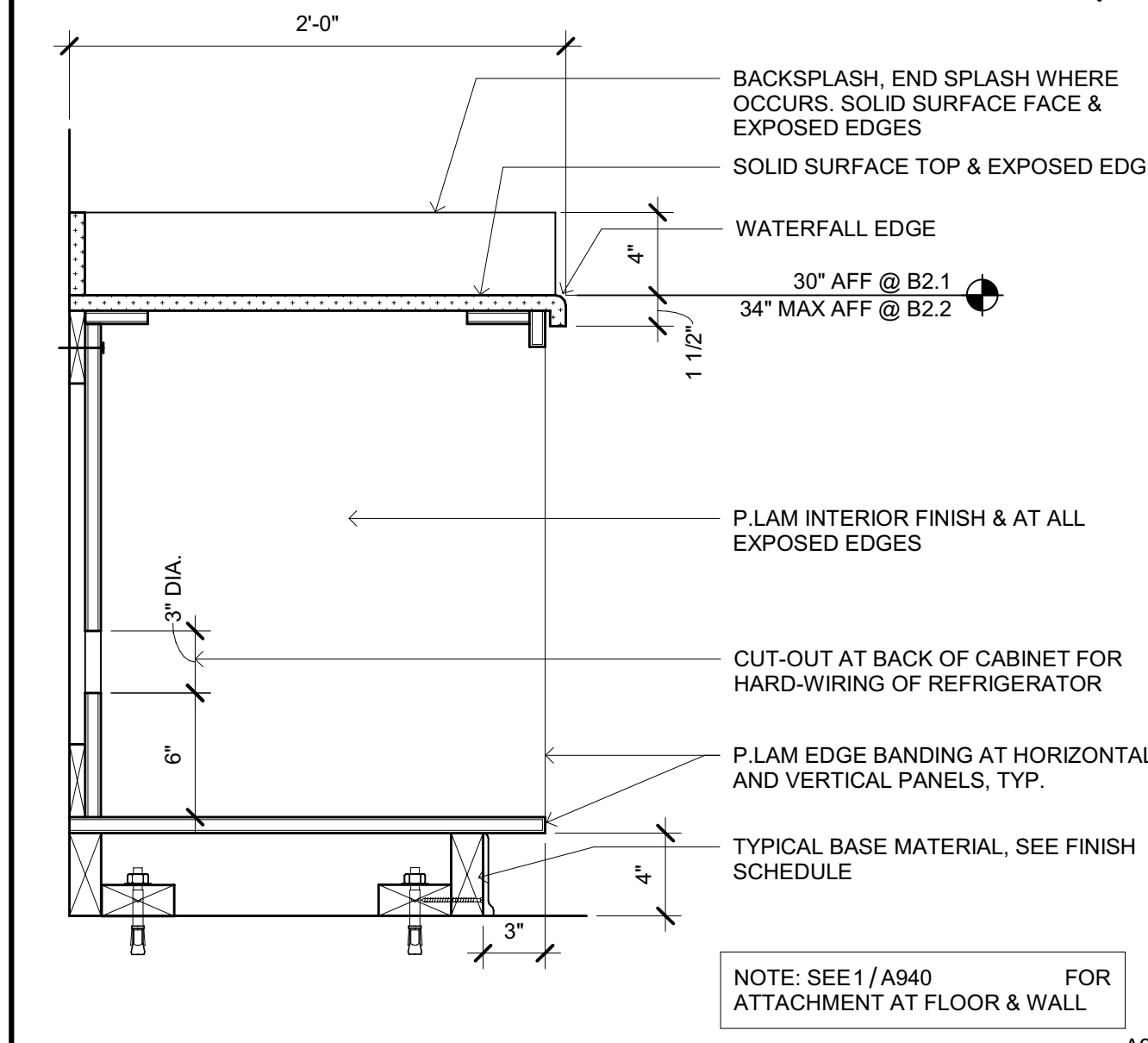
BASE CABINET W/ DOOR & DRAWER (RAISED BULLNOSE)  
SCALE: 1 1/2" = 1'-0"



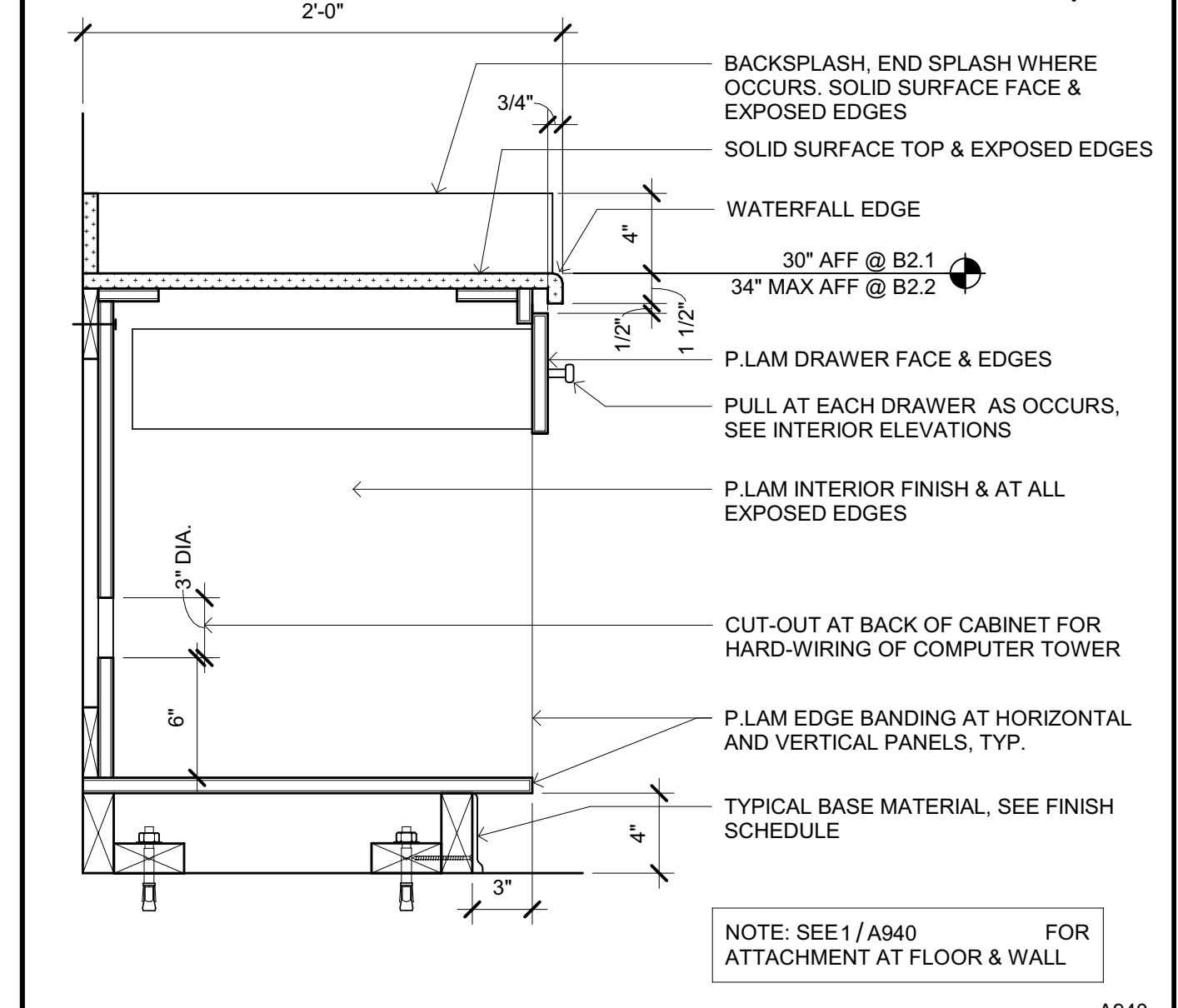
BASE CABINET W/ 3 DRAWERS (WATERFALL EDGE)  
SCALE: 1 1/2" = 1'-0"



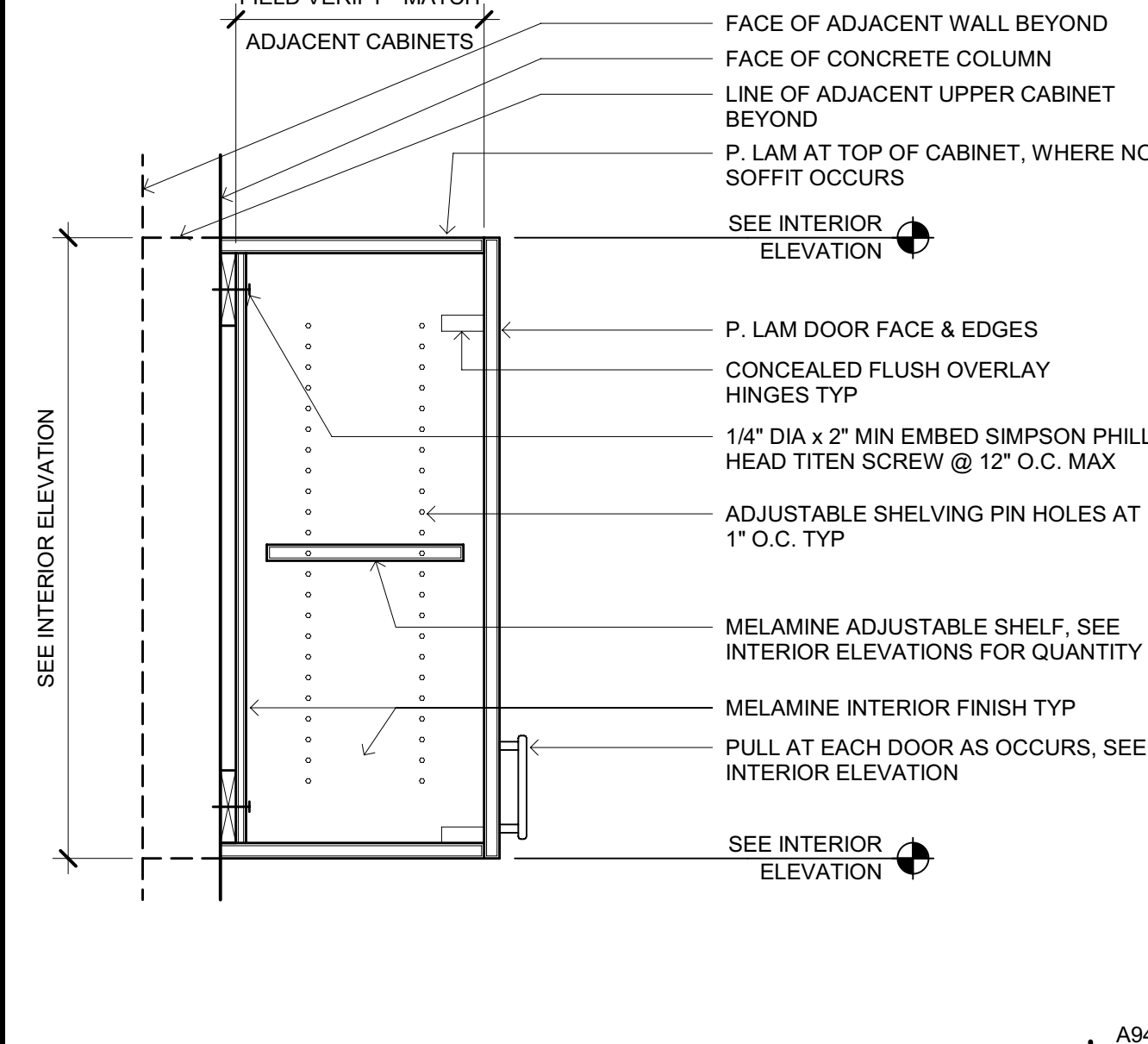
UPPER CABINET  
SCALE: 1 1/2" = 1'-0"



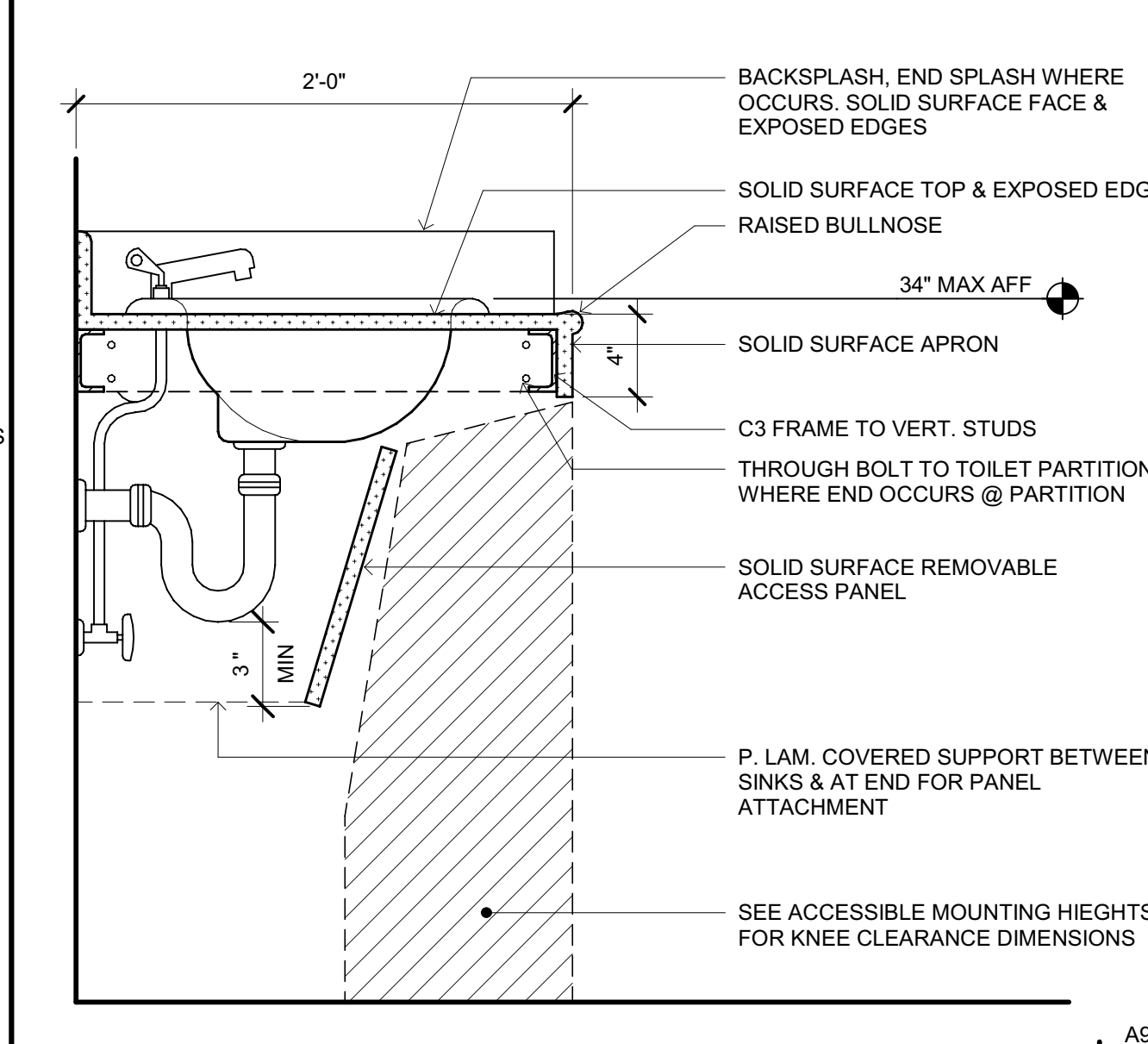
REFRIGERATOR BASE CABINET  
SCALE: 1 1/2" = 1'-0"



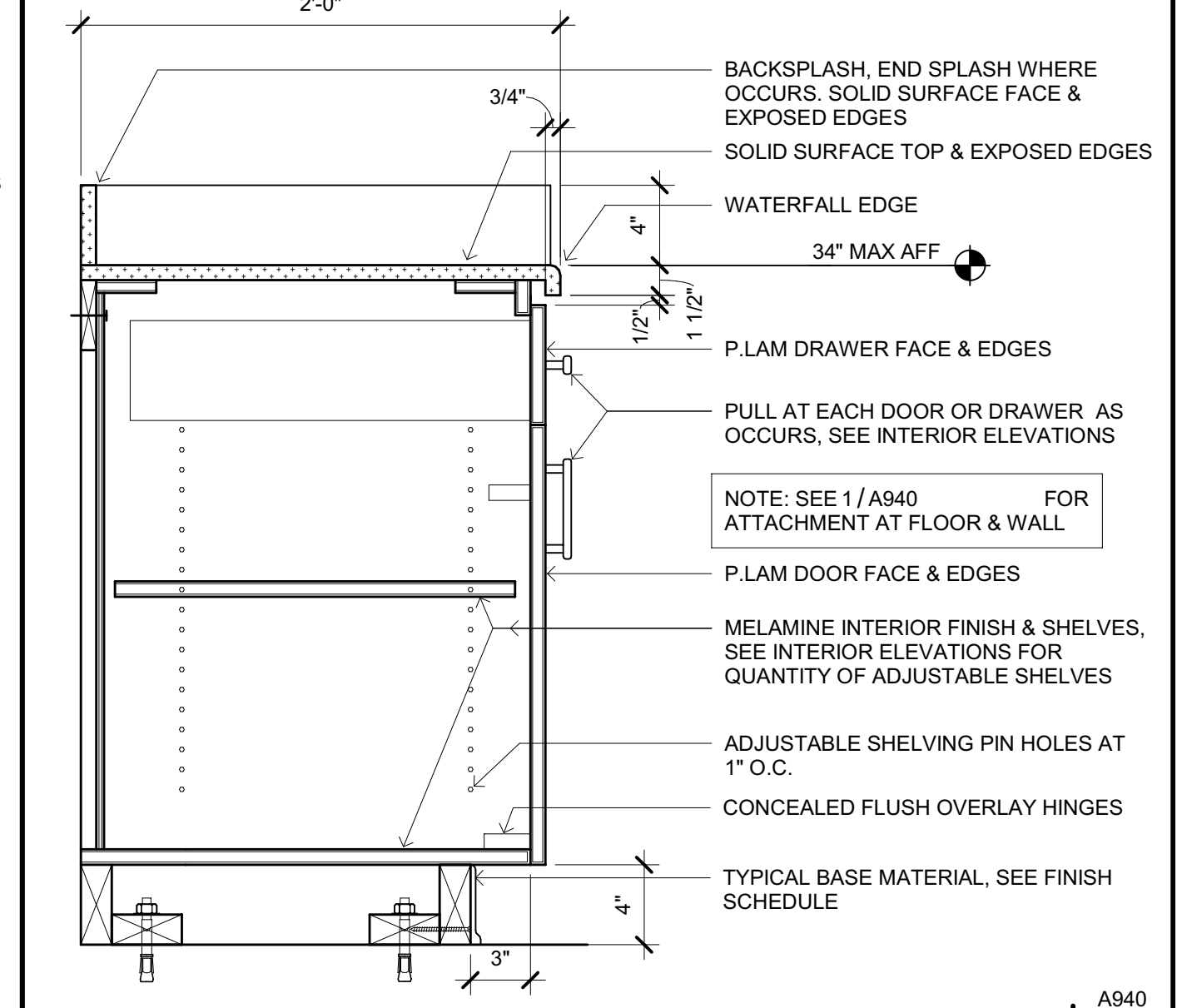
COMPUTER TOWER BASE CABINET  
SCALE: 1 1/2" = 1'-0"



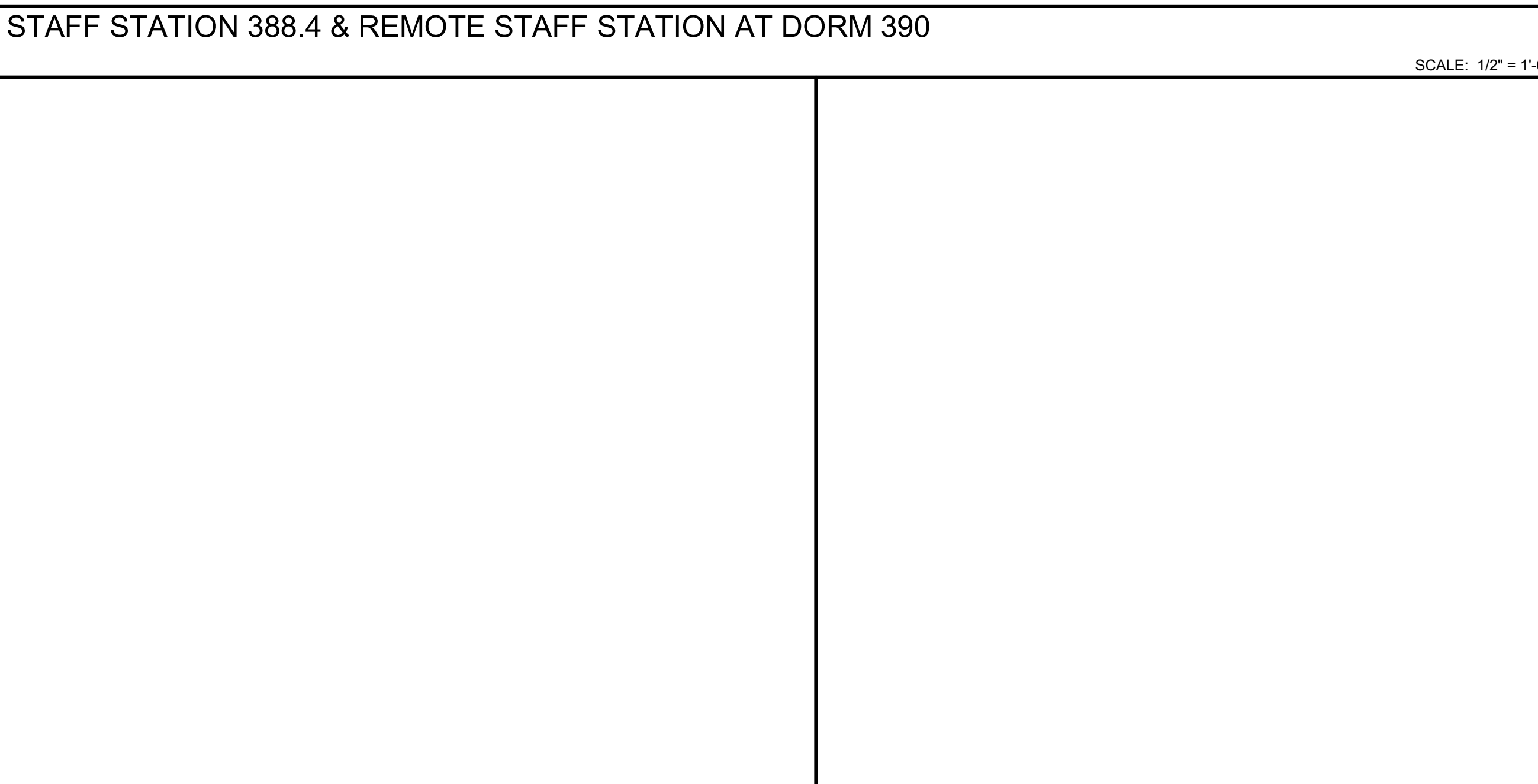
UPPER CABINET  
SCALE: 1 1/2" = 1'-0"



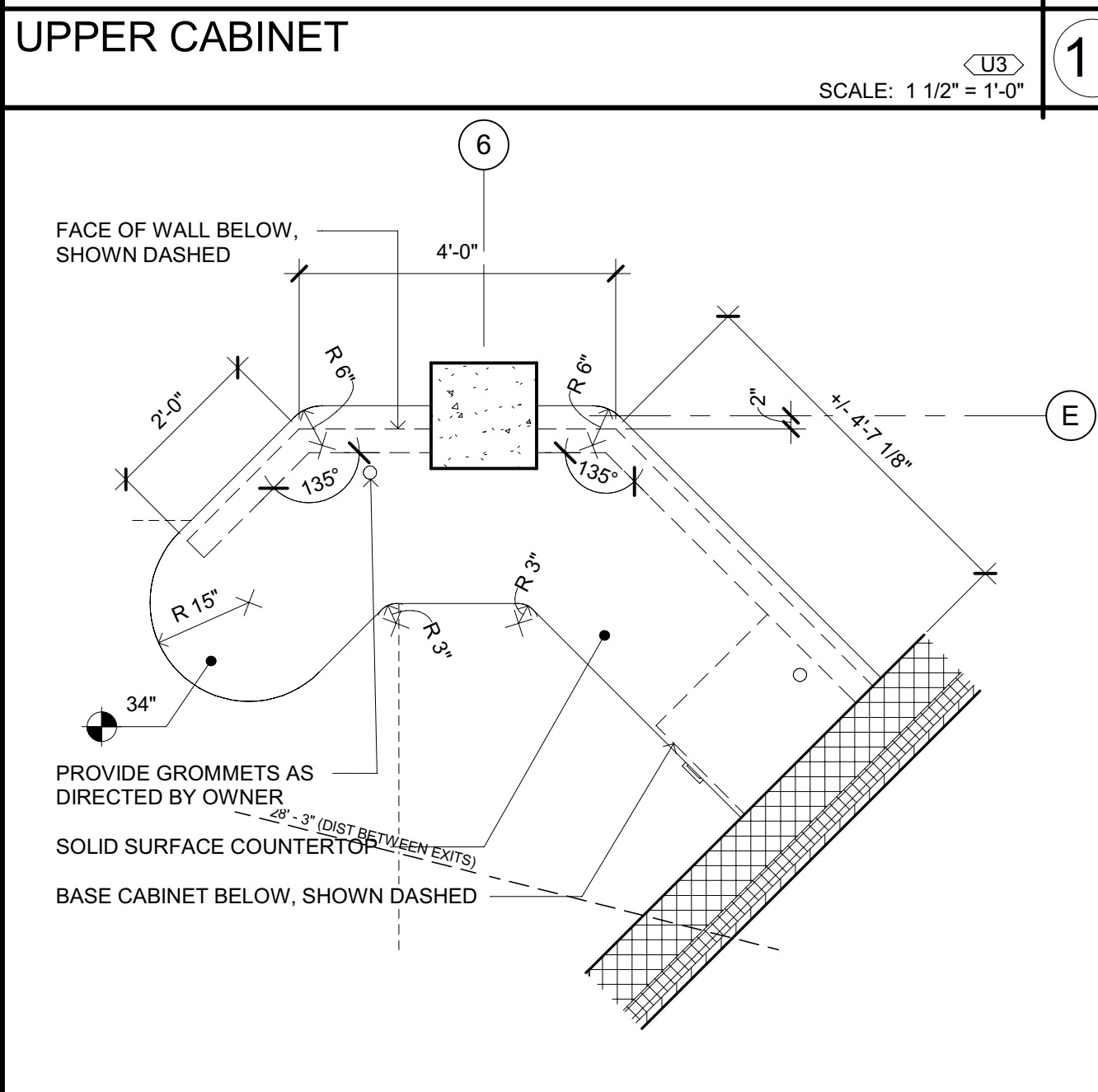
VANITY SINK  
SCALE: 1 1/2" = 1'-0"



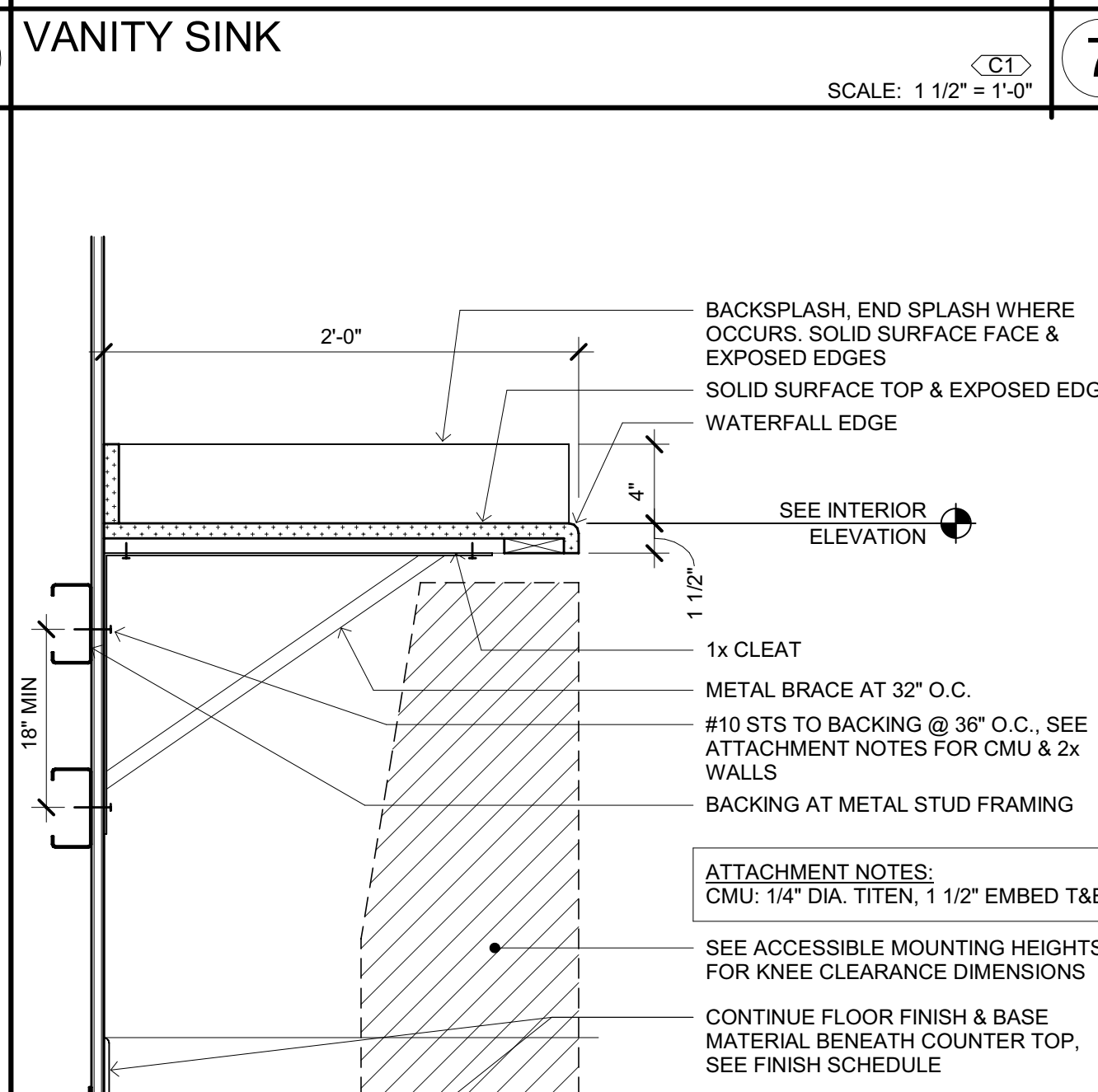
BASE CABINET W/ DOOR & DRAWER (WATERFALL EDGE)  
SCALE: 1 1/2" = 1'-0"



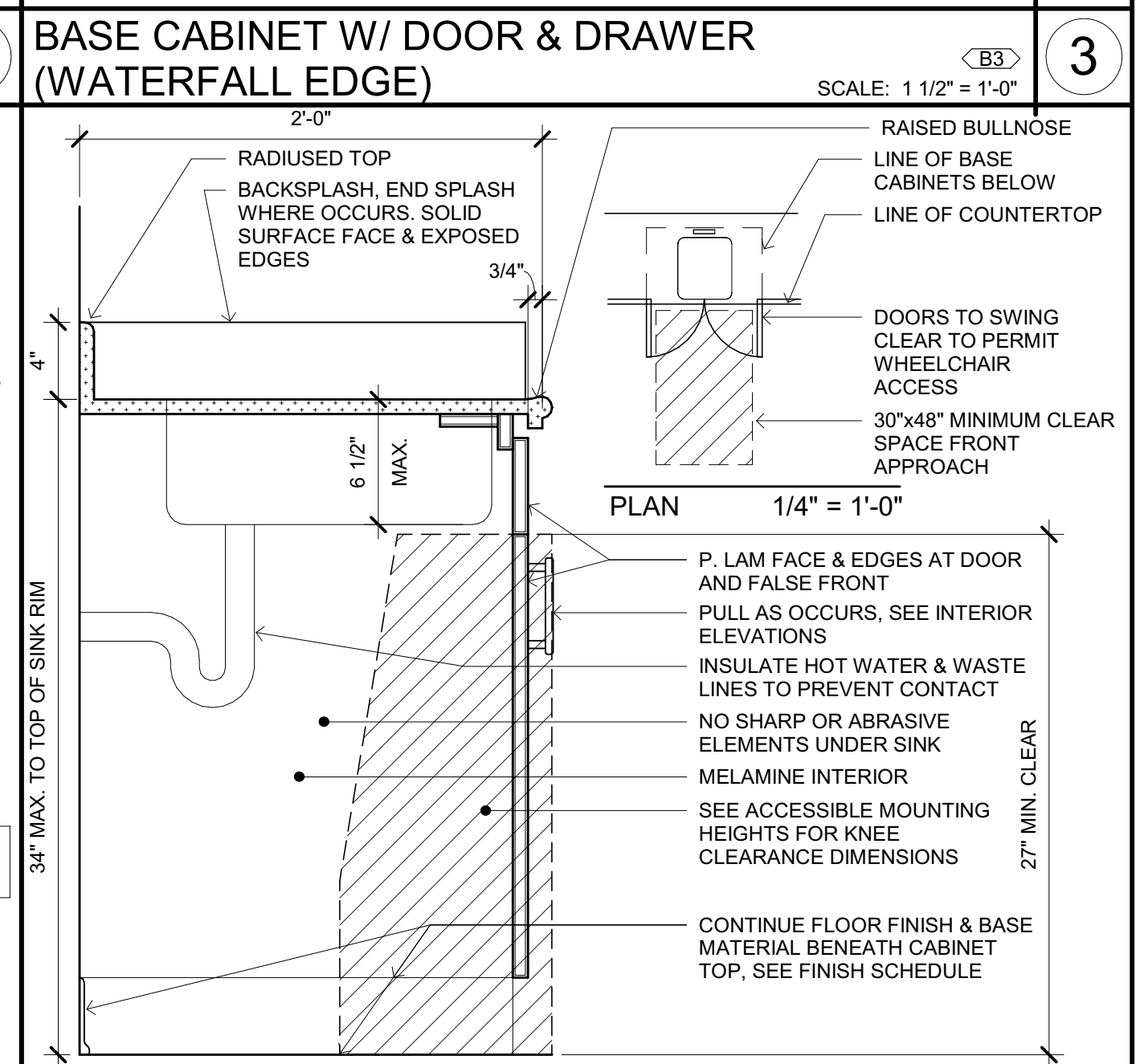
STAFF STATION 388.4 & REMOTE STAFF STATION AT DORM 392  
SCALE: 1/2" = 1'-0"



REMOTE STAFF STATION AT DORM 392  
SCALE: 1/2" = 1'-0"



COUNTER TOP W/ WATERFALL EDGE  
SCALE: 1 1/2" = 1'-0"



ACCESSIBLE BASE CABINET WITH SINK  
SCALE: 1 1/2" = 1'-0"

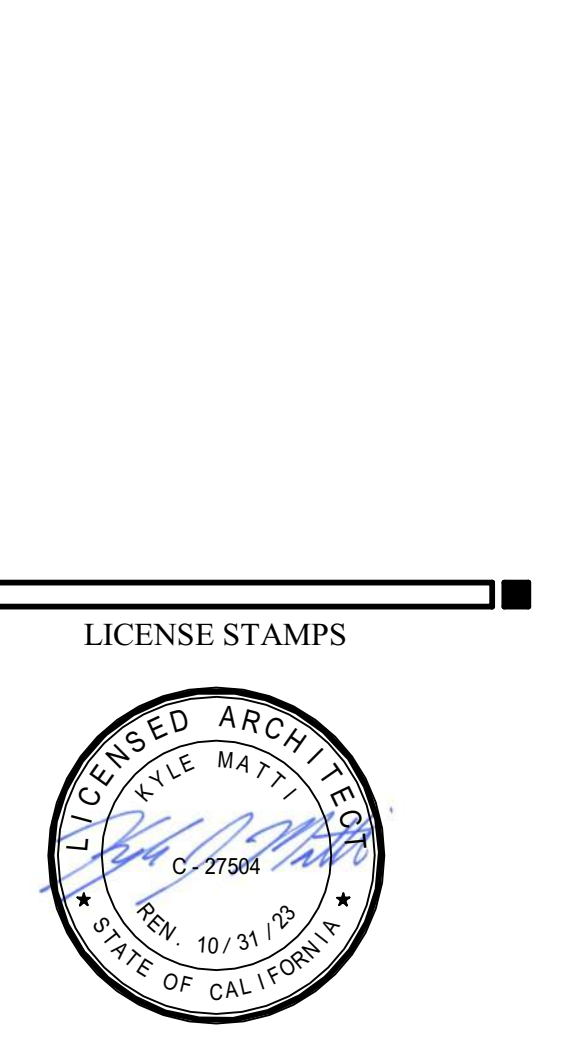


OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY

Approval of these plans shall not authorize or approve any construction or installation from any applicable regulations. Approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

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ARCHITECT OF RECORD  
**NM & R**  
**NICHOLS MELBURG & ROSSETTO**  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS



LICENSE STAMPS

PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**CASEWORK DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

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Date Issued: 09.19.2022  
Scale: As indicated  
Project No.: 16-6421.00

SHEET No.  
**A940 V4**

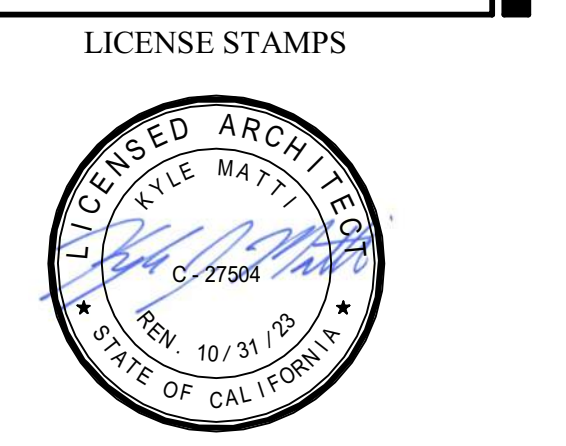
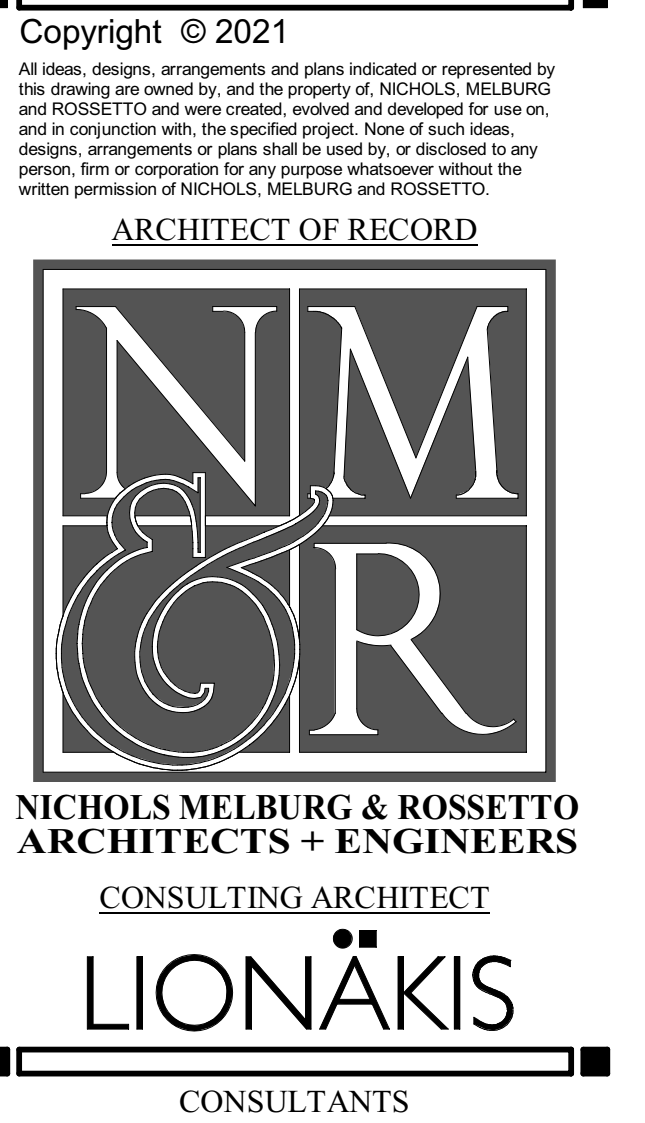
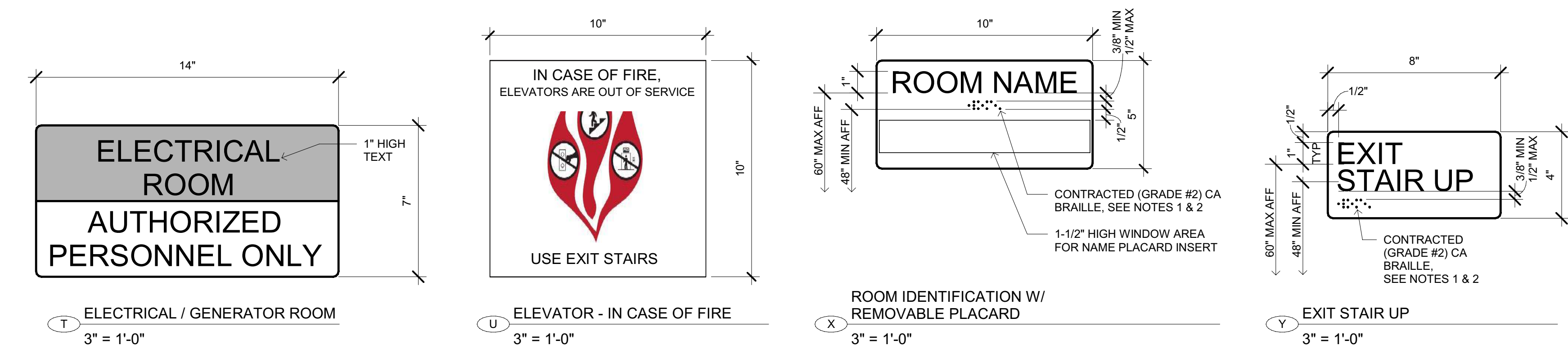
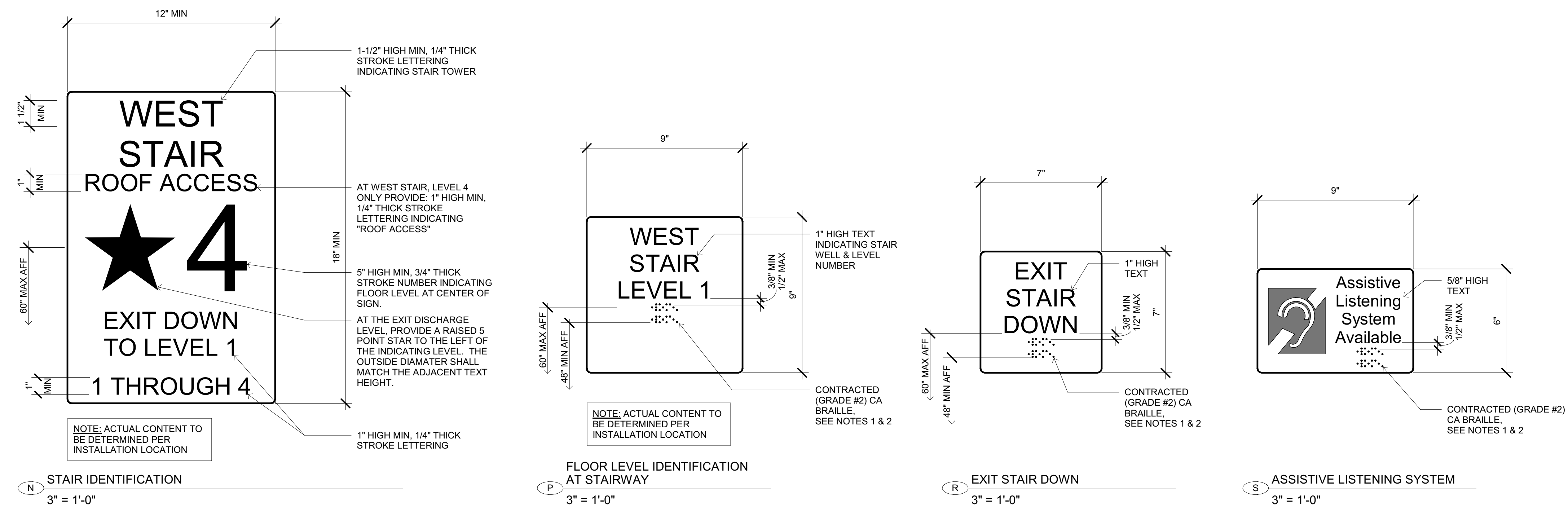
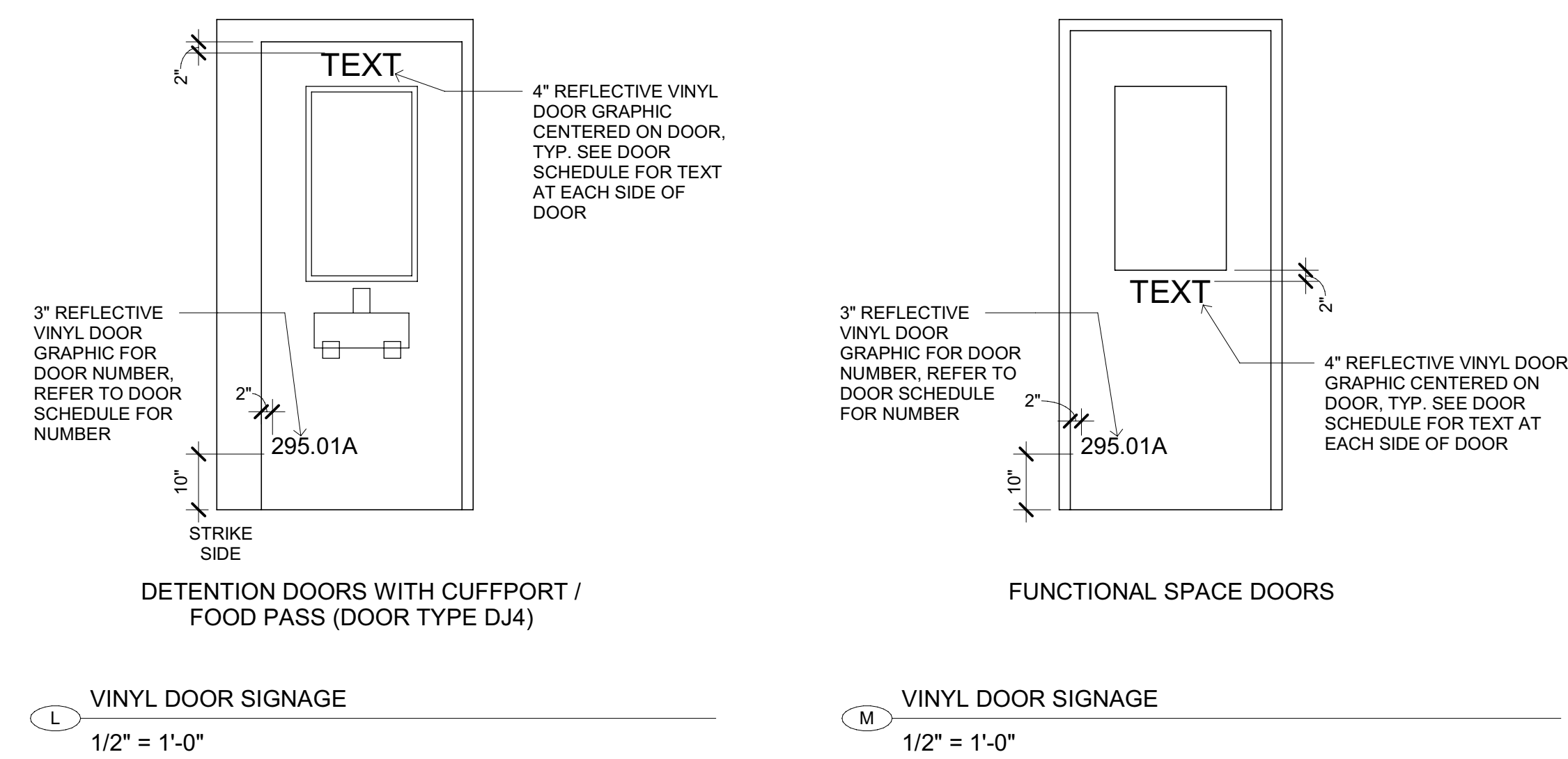
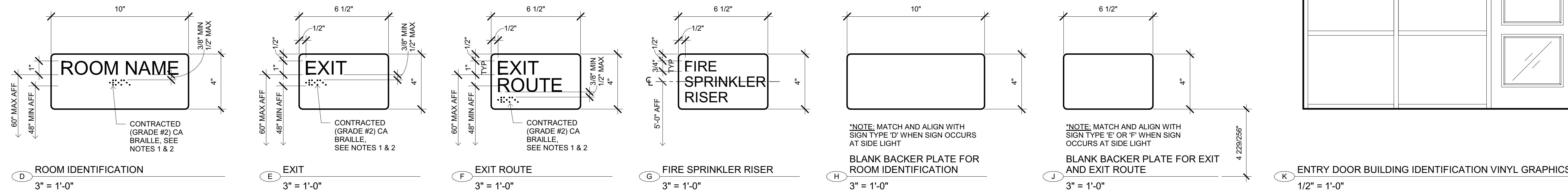
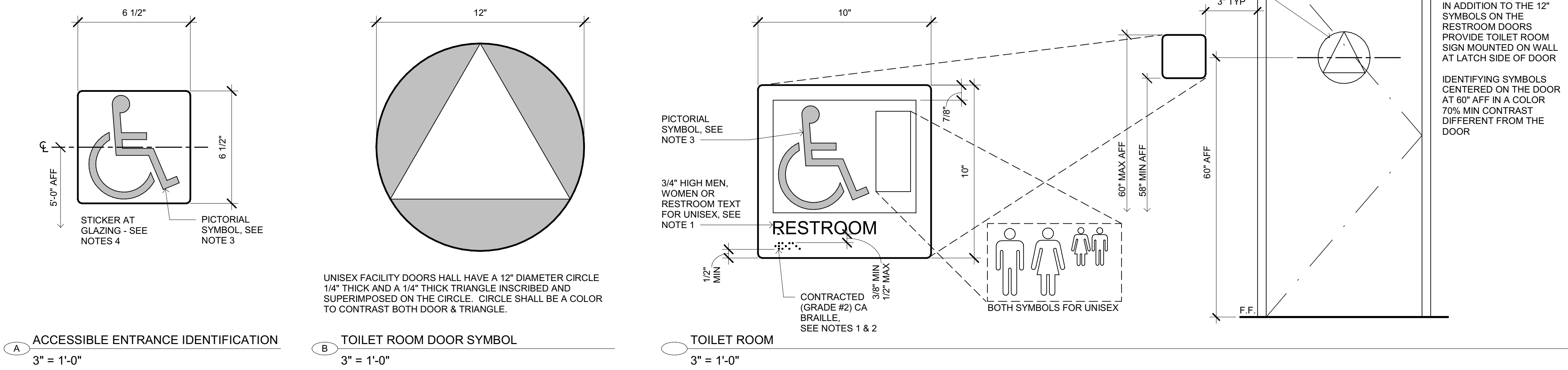
## SIGNAGE NOTES

- WHERE VISUAL IDENTIFICATION (SIGNAGE) IS PROVIDED FOR ROOMS OR SPACES, RAISED LETTERS (RAISED 1/32" MIN) SANS SERIF FONT (UPPERCASE LETTERS) SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH THE FOLLOWING: CONTRACTED (GRADE #2) BRAILLE SHALL BE USED AND SHALL COMPLY WITH CBC SECTIONS 11B-703.3 AND 11B-703.4. DOTS SHALL BE 1/10" ON CENTER IN EACH CELL WITH 3/16" SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM 1/4" ABOVE BACKGROUNDS. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. SIGNS WITH RAISED CHARACTERS AND BRAILLE SHALL BE LOCATED 48" MIN. AFF OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST LINE OF BRAILLE AND 80" MAX. AFF OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS, CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NONGLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.
  - BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE, CBC 11B-703.3.1.
  - BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT AND SEPARATED 3/8" MIN. AND 1/2" MAX. FROM ANY OTHER TACTILE CHARACTERS AND 3/8" MIN. FROM RAISED BORDERS AND DECORATIVE ELEMENTS.
- BRAILLE DIMENSIONS PER CBC TABLE 11B-703.3.1:
  - DOT BASE DIA SHALL BE .059" - .063".
  - DISTANCE BETWEEN TWO DOTS IN THE SAME CELL SHALL BE .100"
  - DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS SHALL BE .300"
  - DOT HEIGHT SHALL BE .025" - .037"
  - DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW SHALL BE .396" TO .400"
- PICTORIAL SYMBOL SIGN: THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6" IN HEIGHT
- PERMANENT NON-REMOVABLE SELF ADHESIVE STICKER WITH WHITE GRAPHIC ON BLUE BACKGROUND, THE BLUE SHALL BE COLOR NO. 15090 IN FEDERAL STANDARD 595B.
- ALL SIGNAGE SHALL BE INSPECTED BY FIELD DEPUTY DURING CONSTRUCTION.

### ILLUMINATED EMERGENCY EGRESS SIGN NOTES:

- INTERNALLY ILLUMINATED EXIT SIGNS SHALL COMPLY WITH 2019 C.B.C. SECTION 1013.5.
- EXTERNALLY ILLUMINATED EXIT SIGNS SHALL COMPLY WITH 2019 C.B.C. SECTION 1013.6.
- TEXT SHALL BE PLAINLY LEGIBLE LETTERS
- MINIMUM TEXT HEIGHT TO BE 6" MIN. WITH PRINCIPAL STROKE OF 3/4" MIN. AND SPACING BETWEEN LETTERS TO BE 3/8" MIN.
- IF A DIRECTIONAL INDICATOR (ARROW) IS PROVIDED, THE CONSTRUCTION WILL BE AS SUCH THAT THE INDICATOR CAN NOT BE READILY CHANGED.
- SIGN TEXT WILL BE IN HIGH CONTRAST WITH THE BACKGROUND PER 2019 C.B.C SECTION 11B-703.5.1.
- ALL EXIT SIGNS WILL BE ILLUMINATED AT ALL TIMES.

## SIGN TYPES



PROJECT NAME

**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**

929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

**SIGN TYPE DETAILS**

DRAWING STATUS

WORKING DRAWINGS

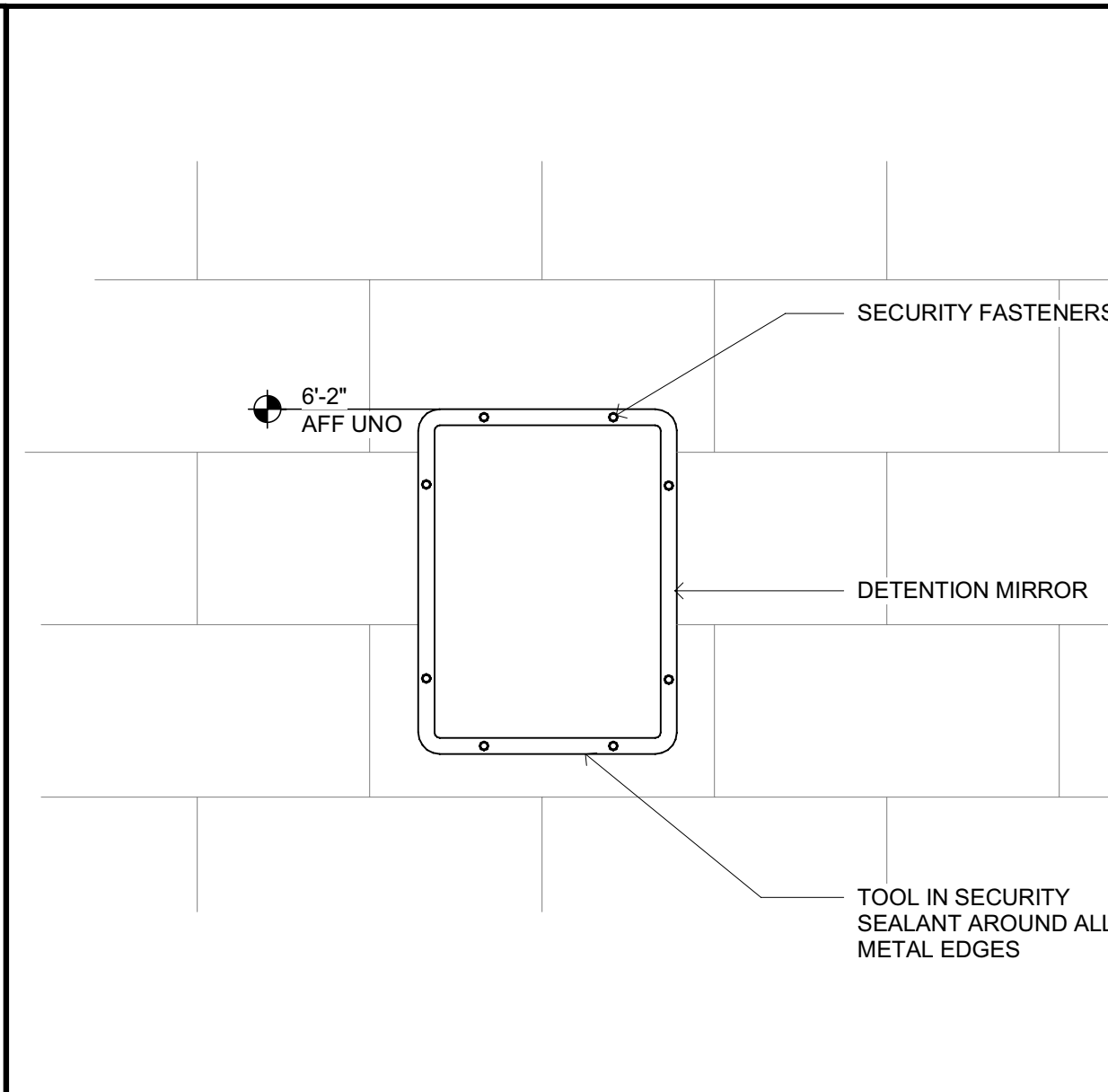
REVISIONS		
Delta	Description	Date

Drawn By	AMP
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.

**A960 V4**

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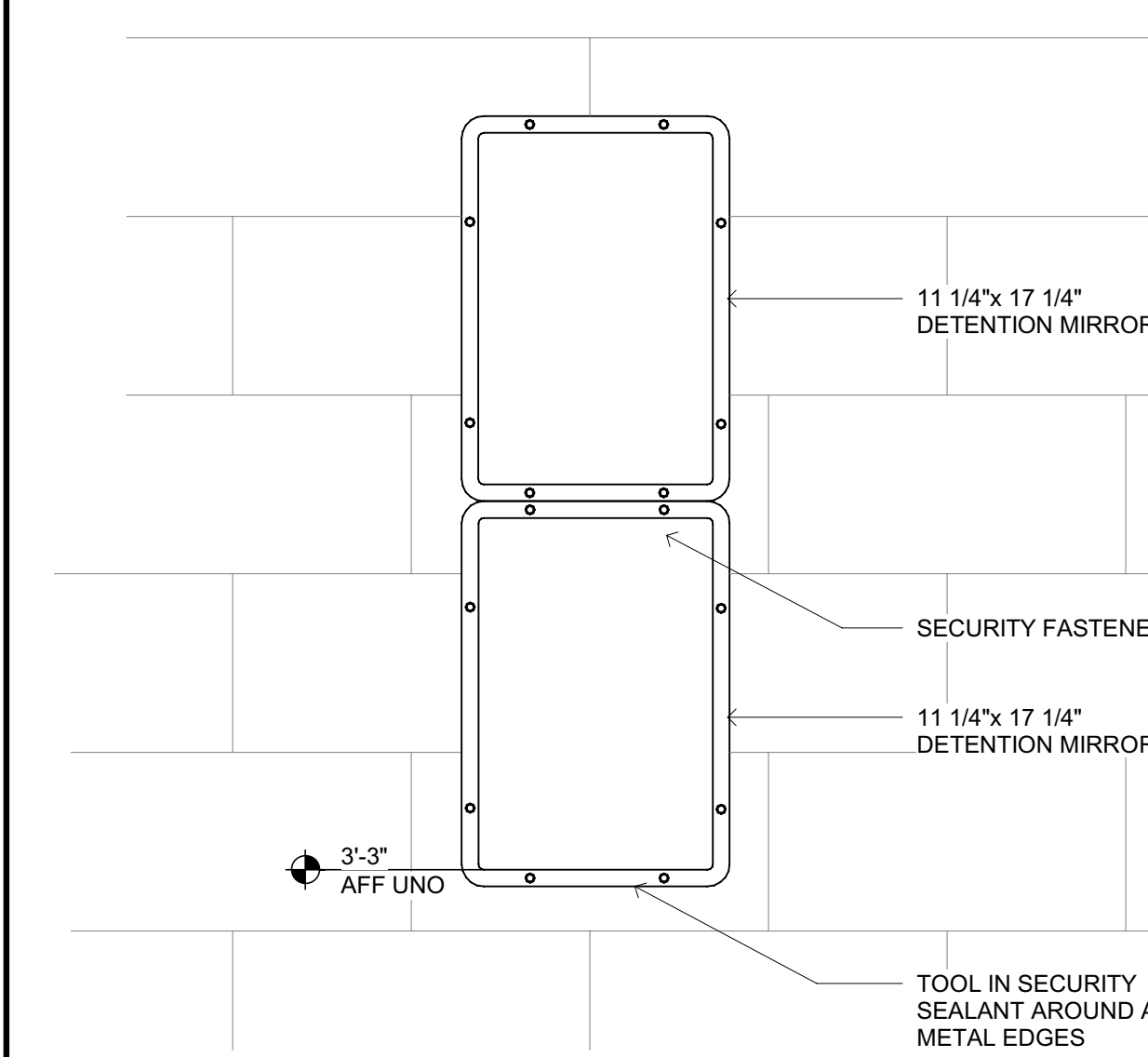


DETENTION MIRROR

SCALE: 1 1/2" = 1'-0"

A961

13

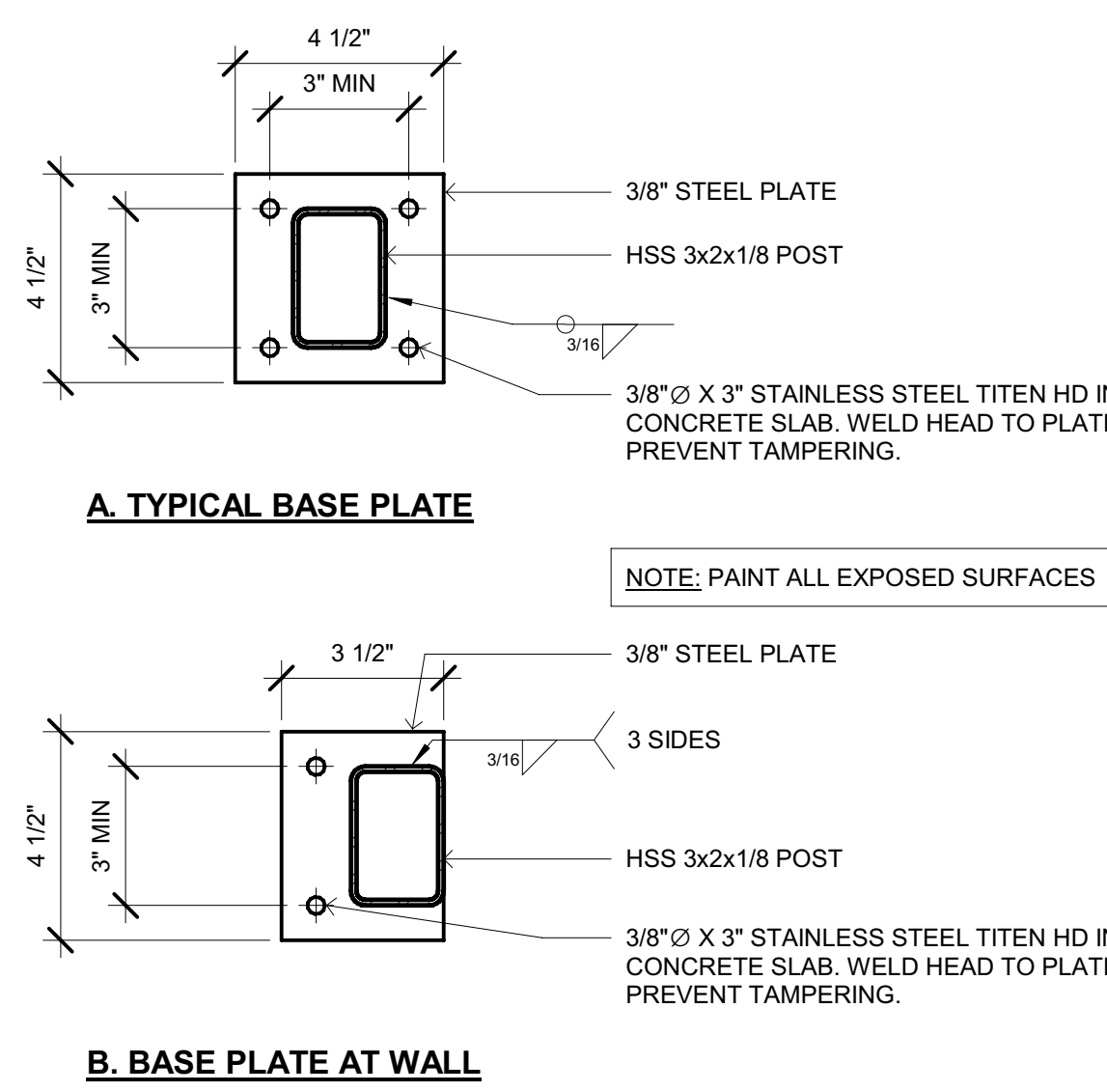


DETENTION MIRRORS @ ADA UNITS

SCALE: 1 1/2" = 1'-0"

A961

14

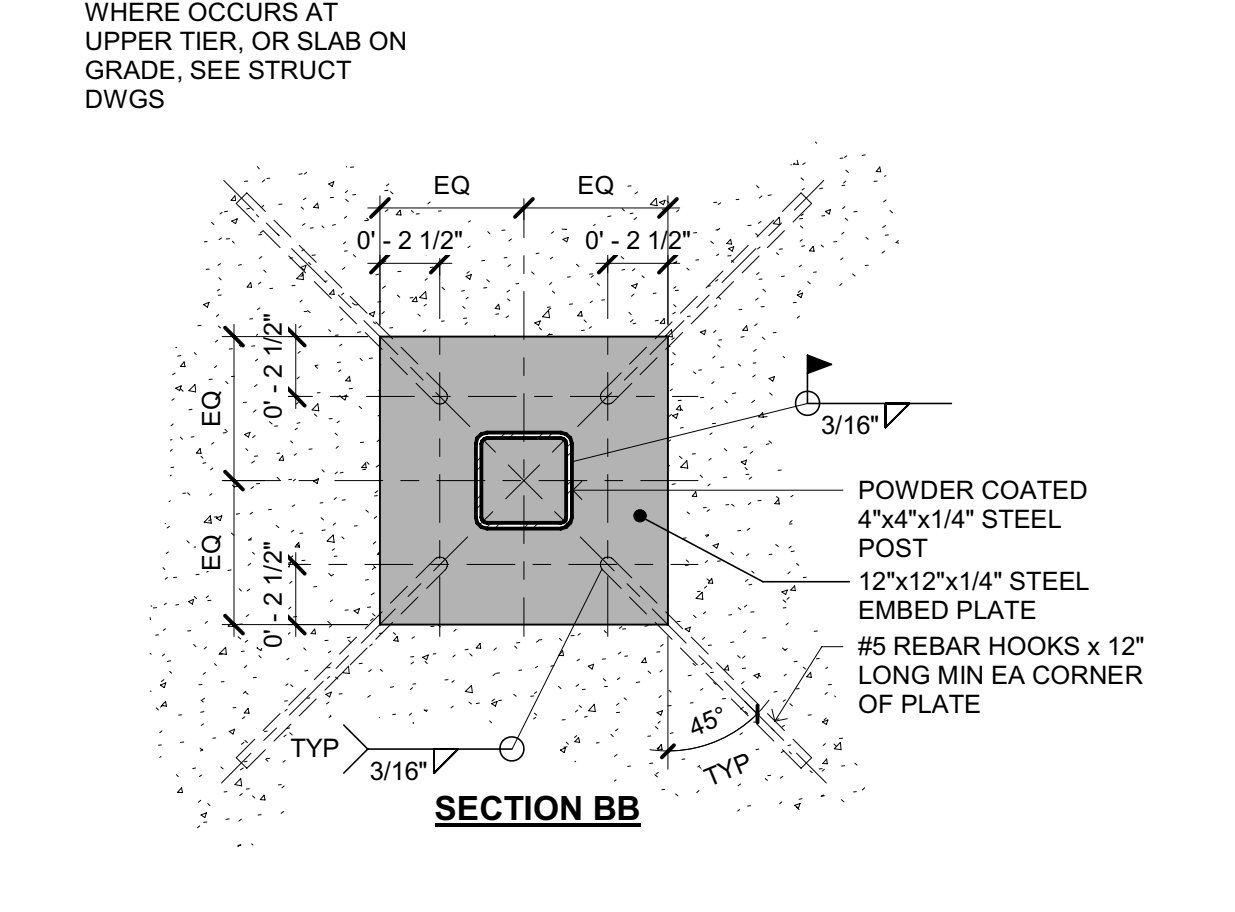
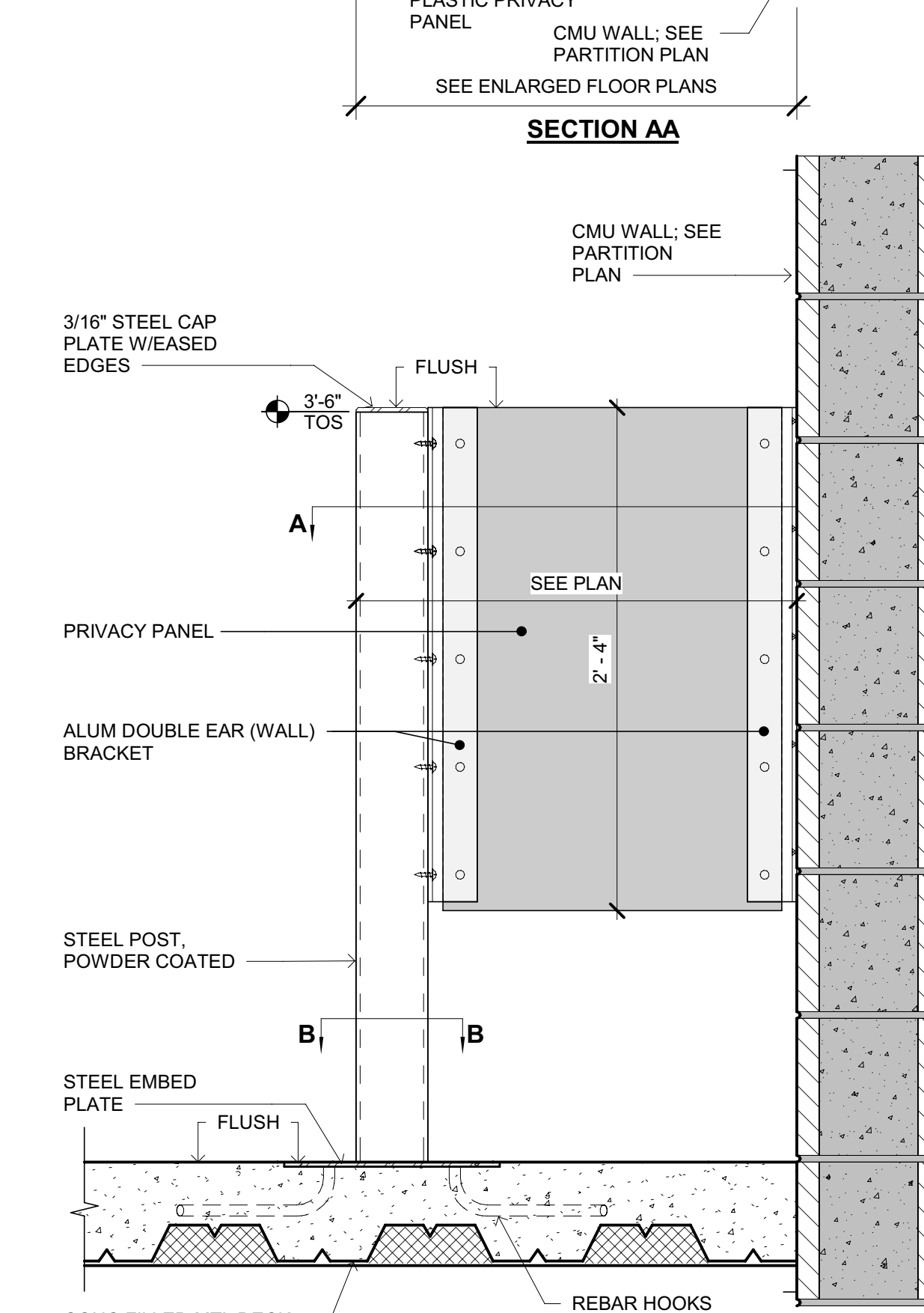
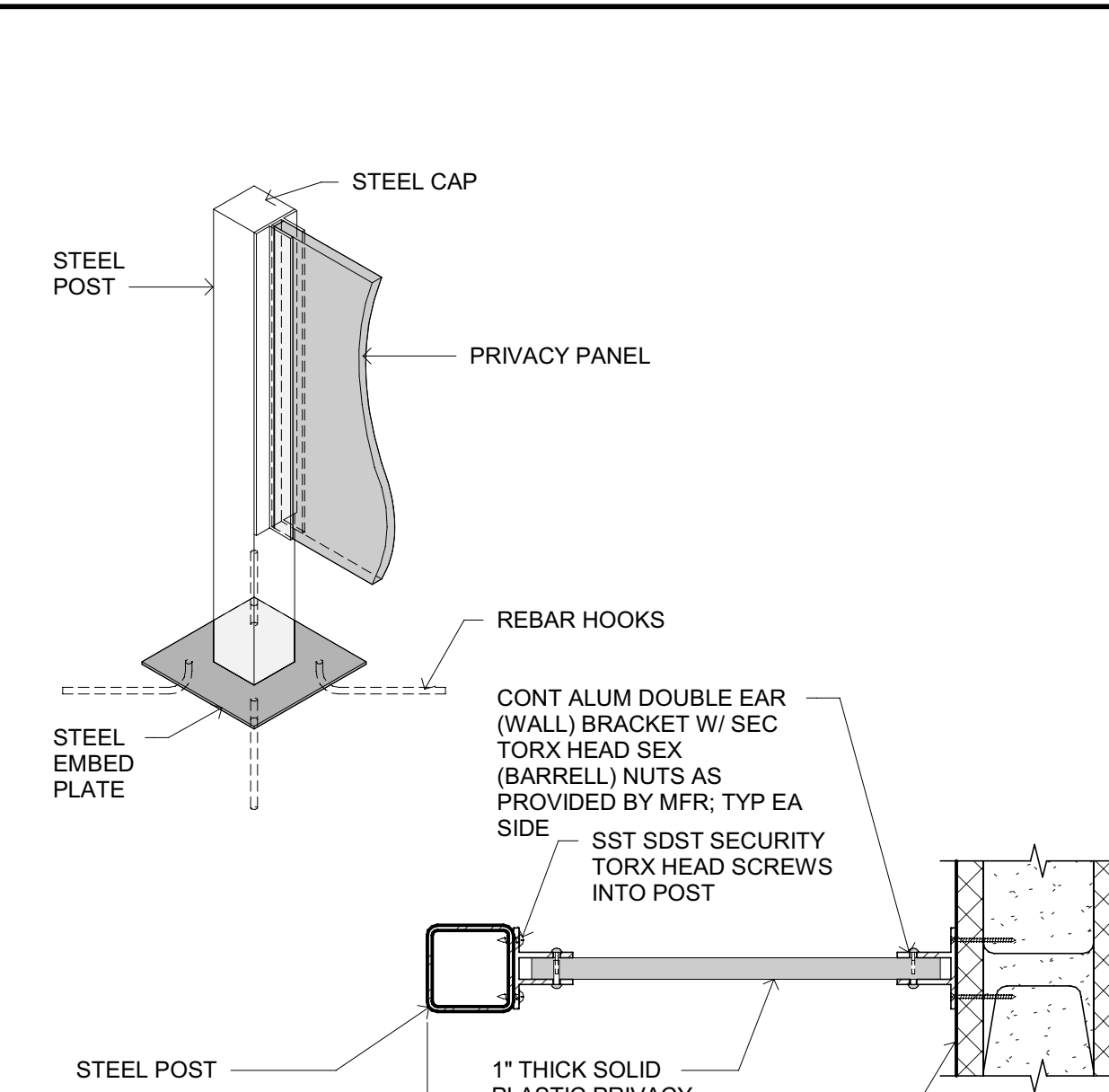


MODESTY SCREEN BASE PLATE AT RECREATION YARDS

SCALE: 3" = 1'-0"

A961

15

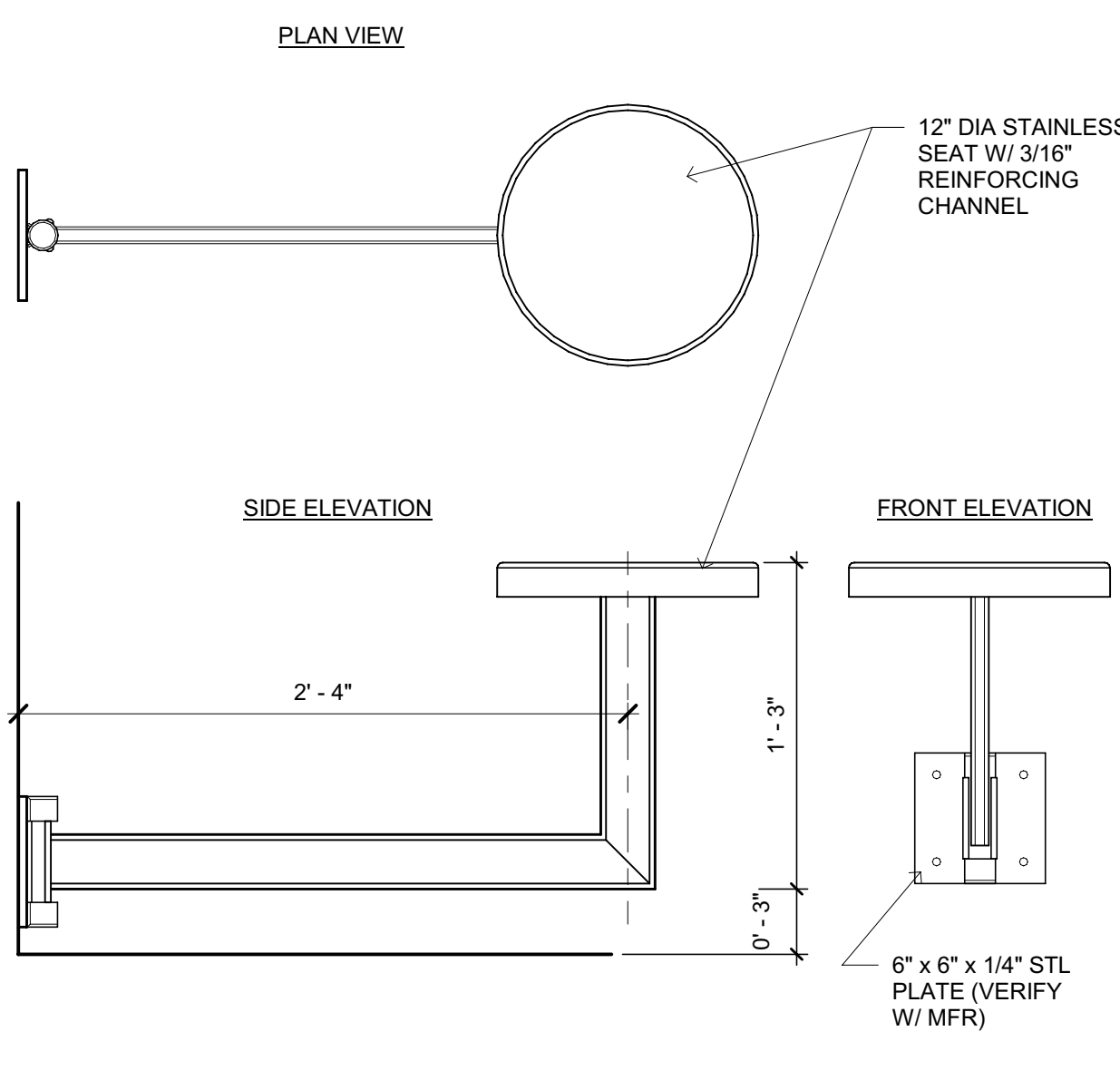


MODESTY SCREEN

SCALE: 1 1/2" = 1'-0"

A961

11

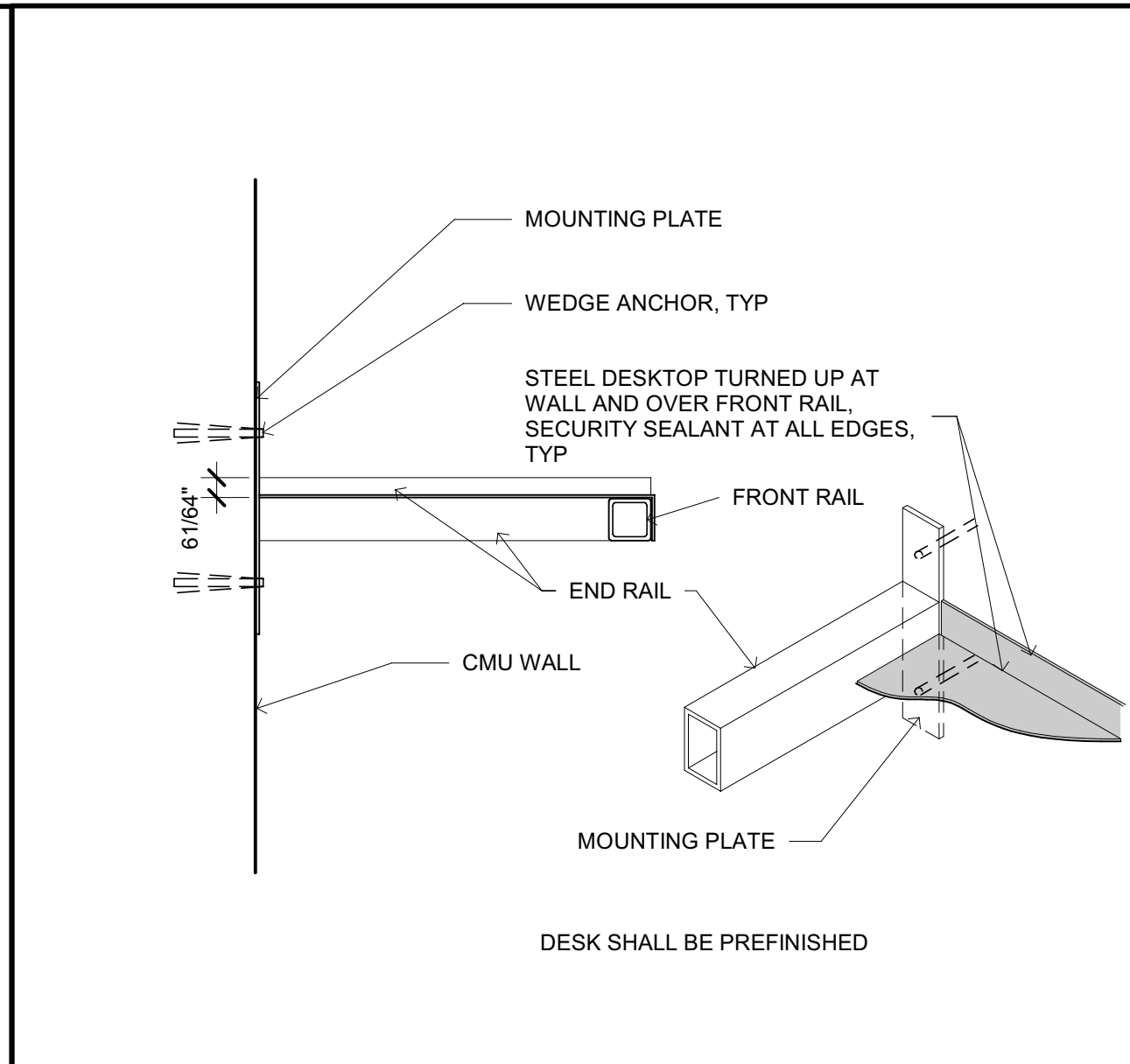


TYP ADA SWIVEL STOOL DETAIL

SCALE: 1 1/2" = 1'-0"

A961

12

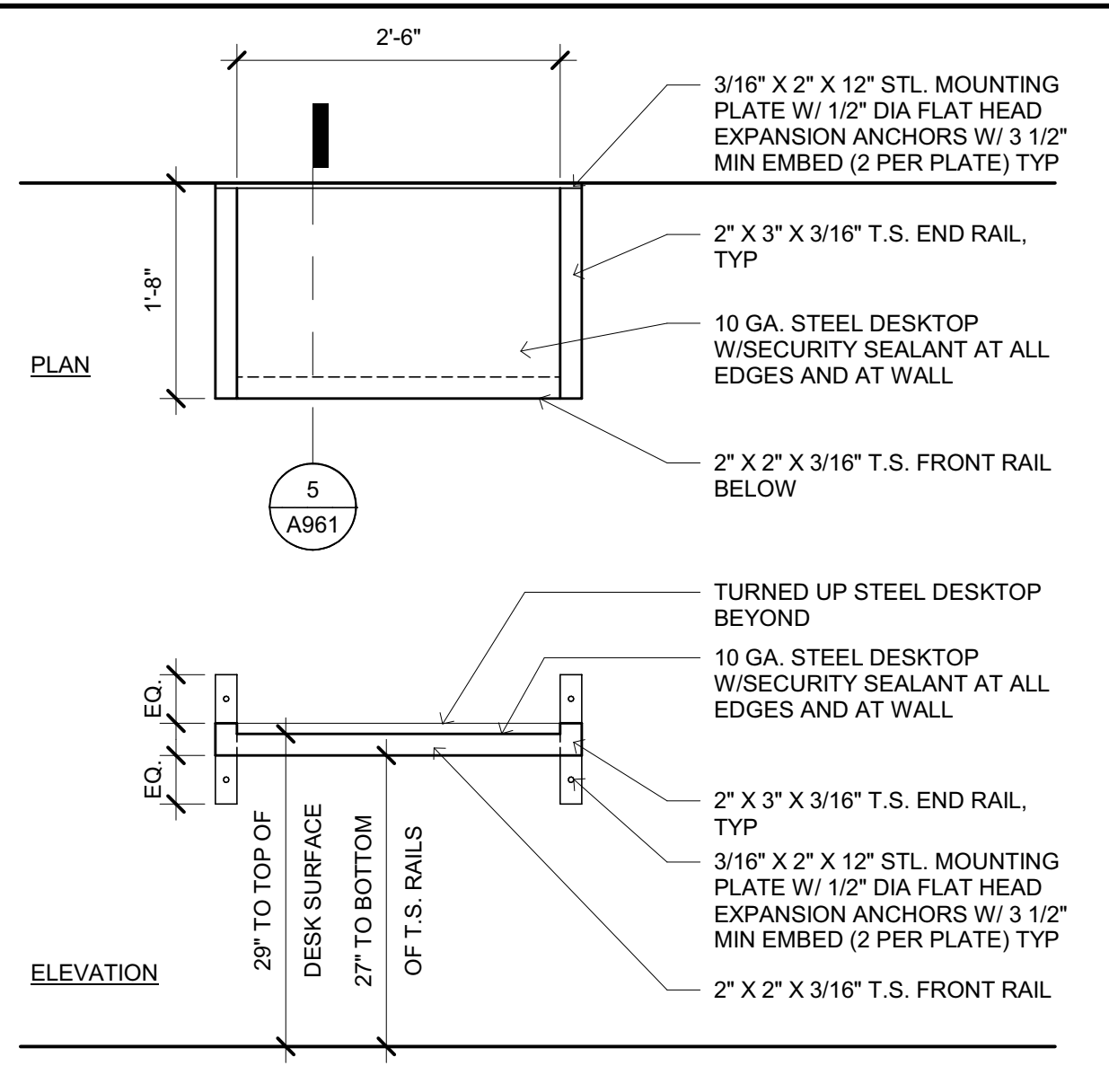


ACCESSIBLE CELL DESK SECTION

SCALE: 1 1/2" = 1'-0"

A961

5

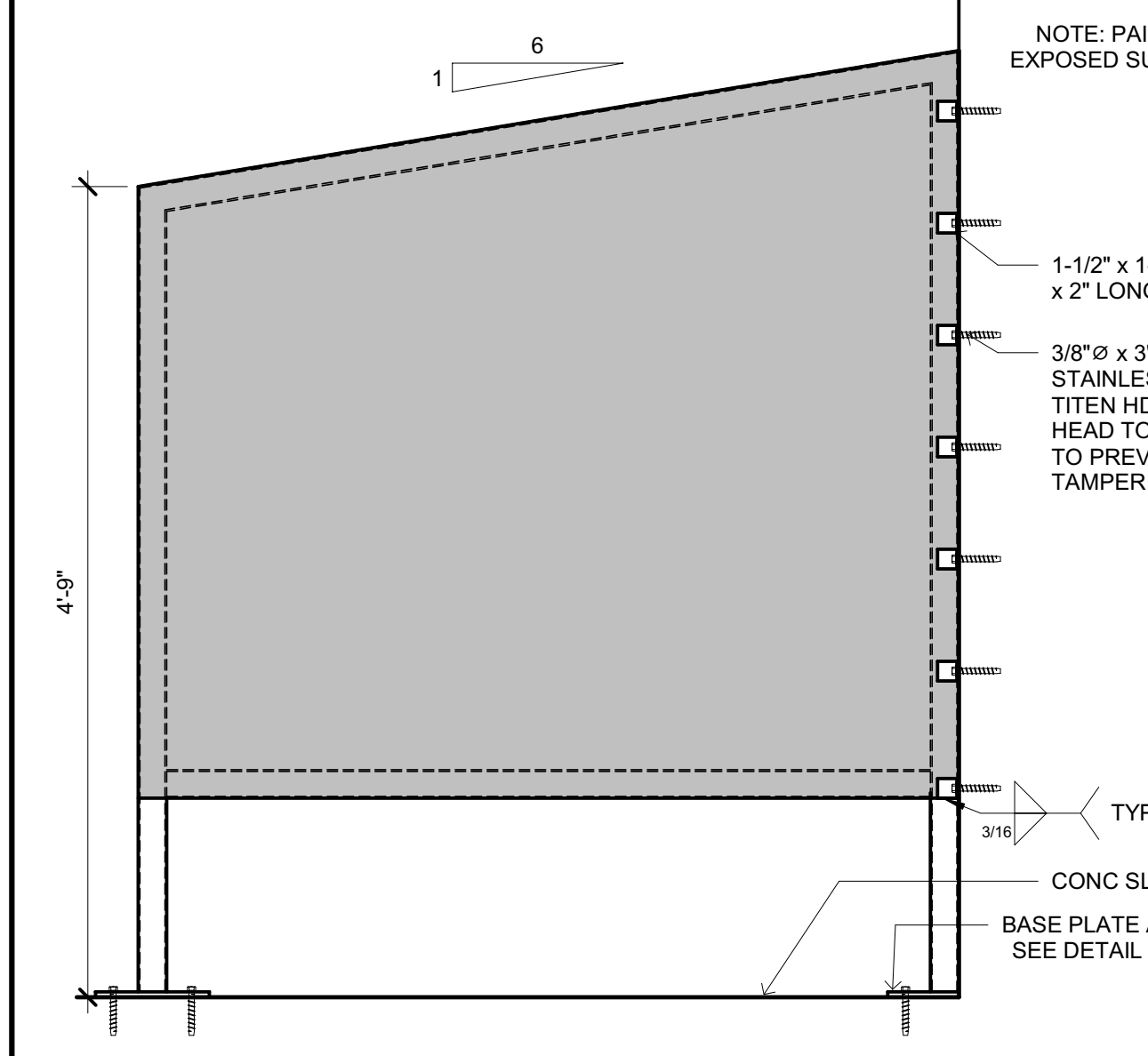


ACCESSIBLE CELL DESK PLAN

SCALE: 3/4" = 1'-0"

A961

1

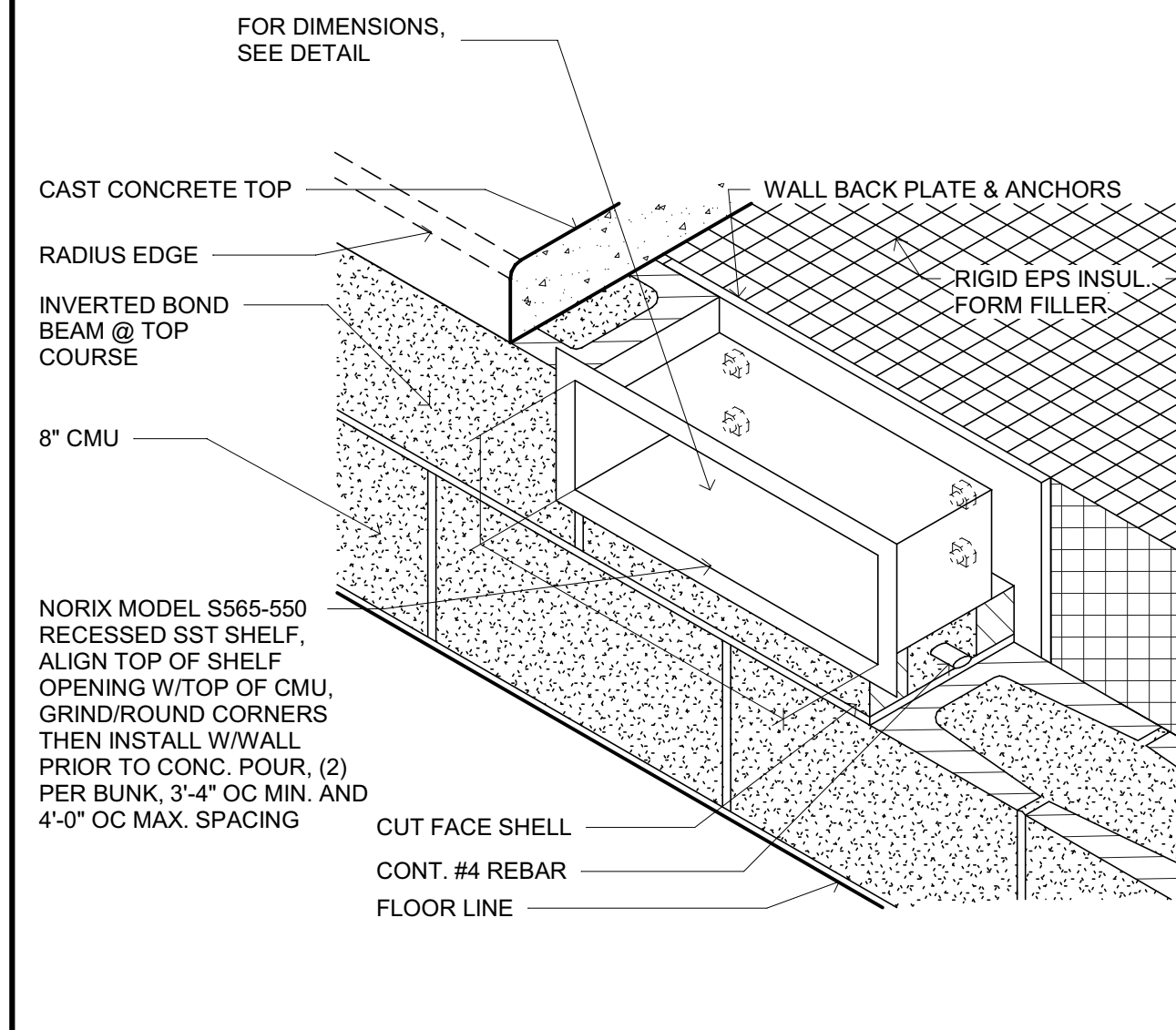


MODESTY SCREEN AT RECREATION YARDS

SCALE: 1" = 1'-0"

A961

2

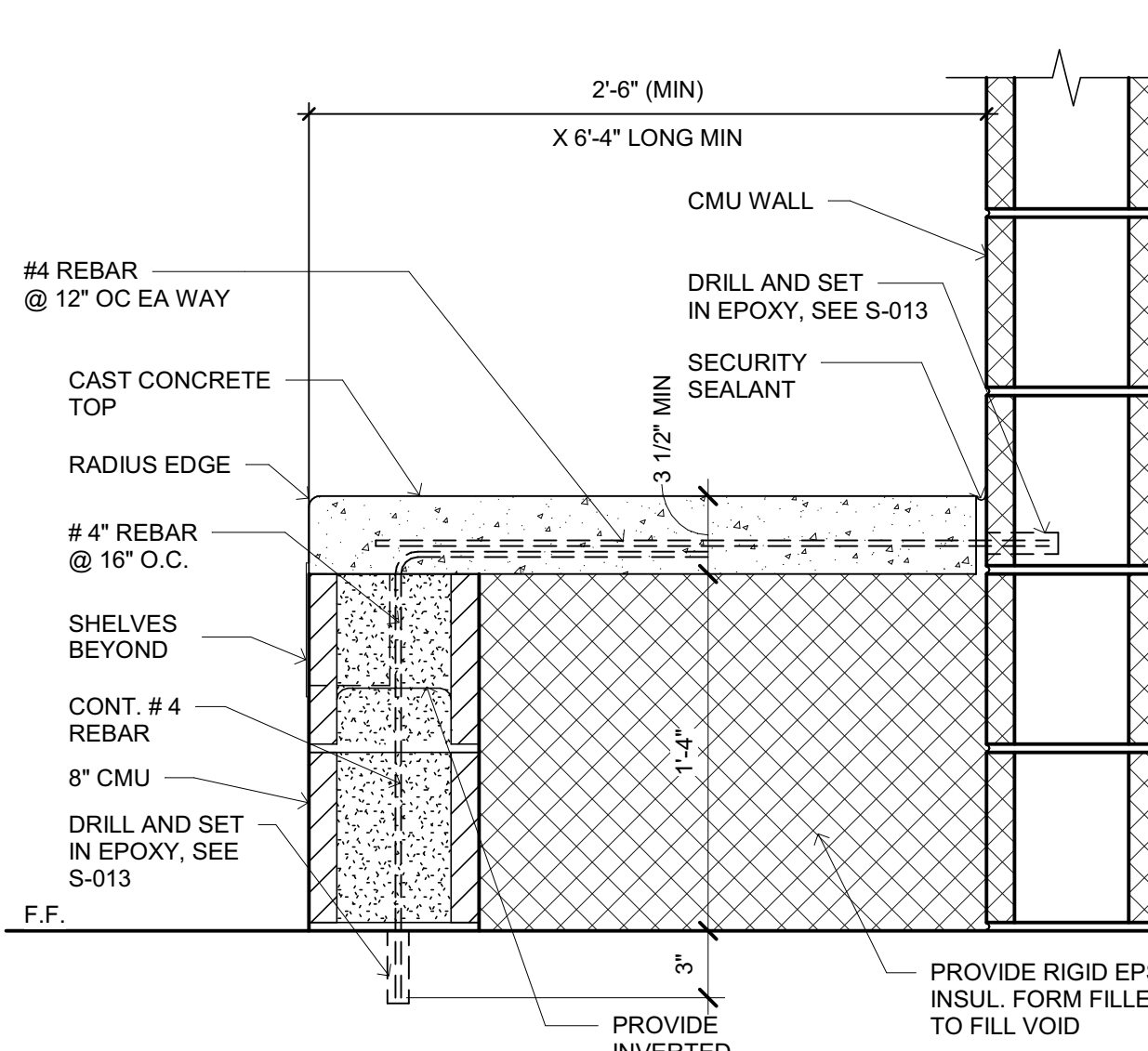


TYPICAL SLEEPING ROOM BUNK W/ RECESSED SHELF

SCALE: 1 1/2" = 1'-0"

A961

3



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LICENSE STAMPS

PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
 DETENTION INTERIOR  
 DETAILS

DRAWING STATUS

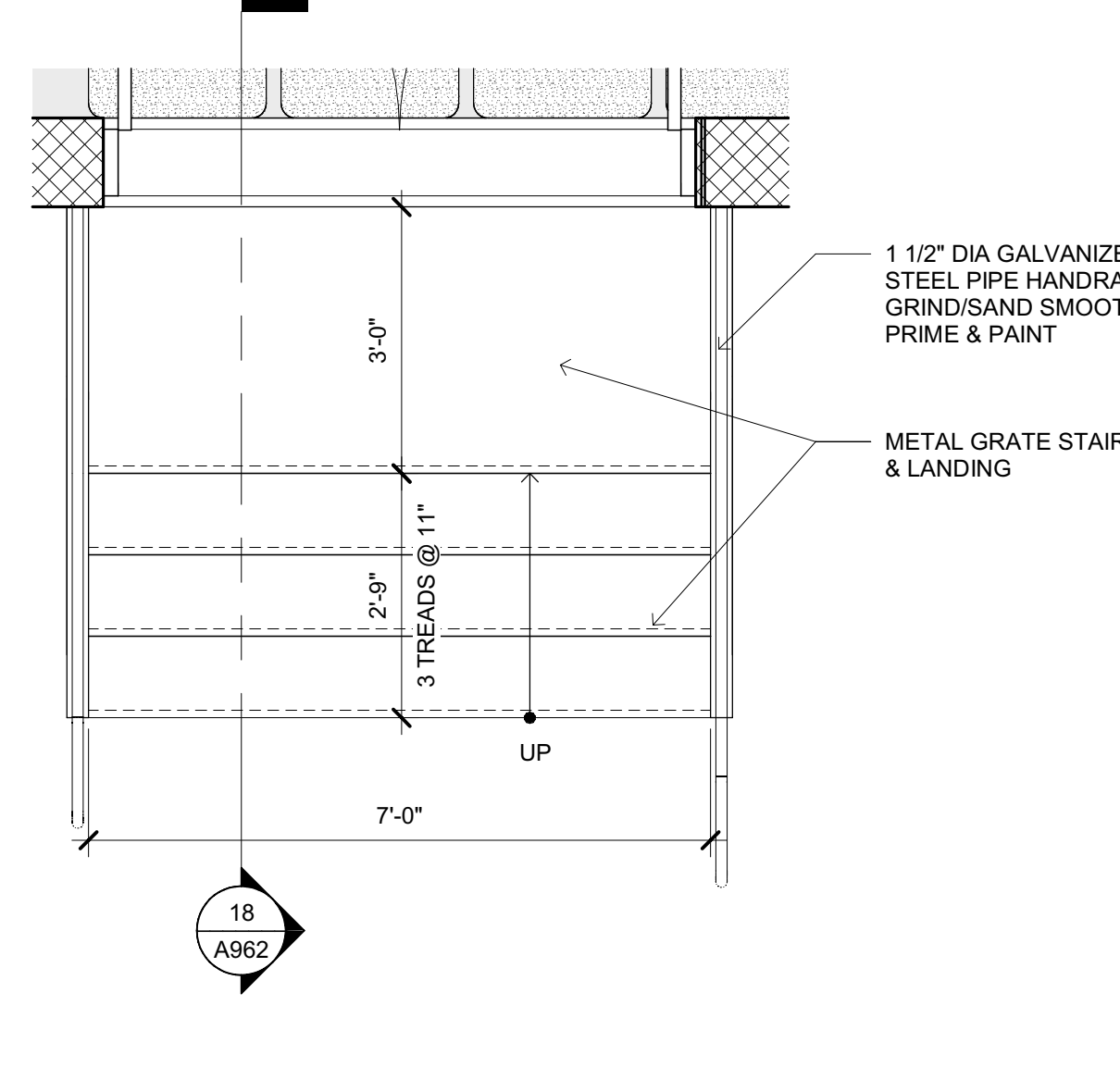
WORKING DRAWINGS

REVISIONS

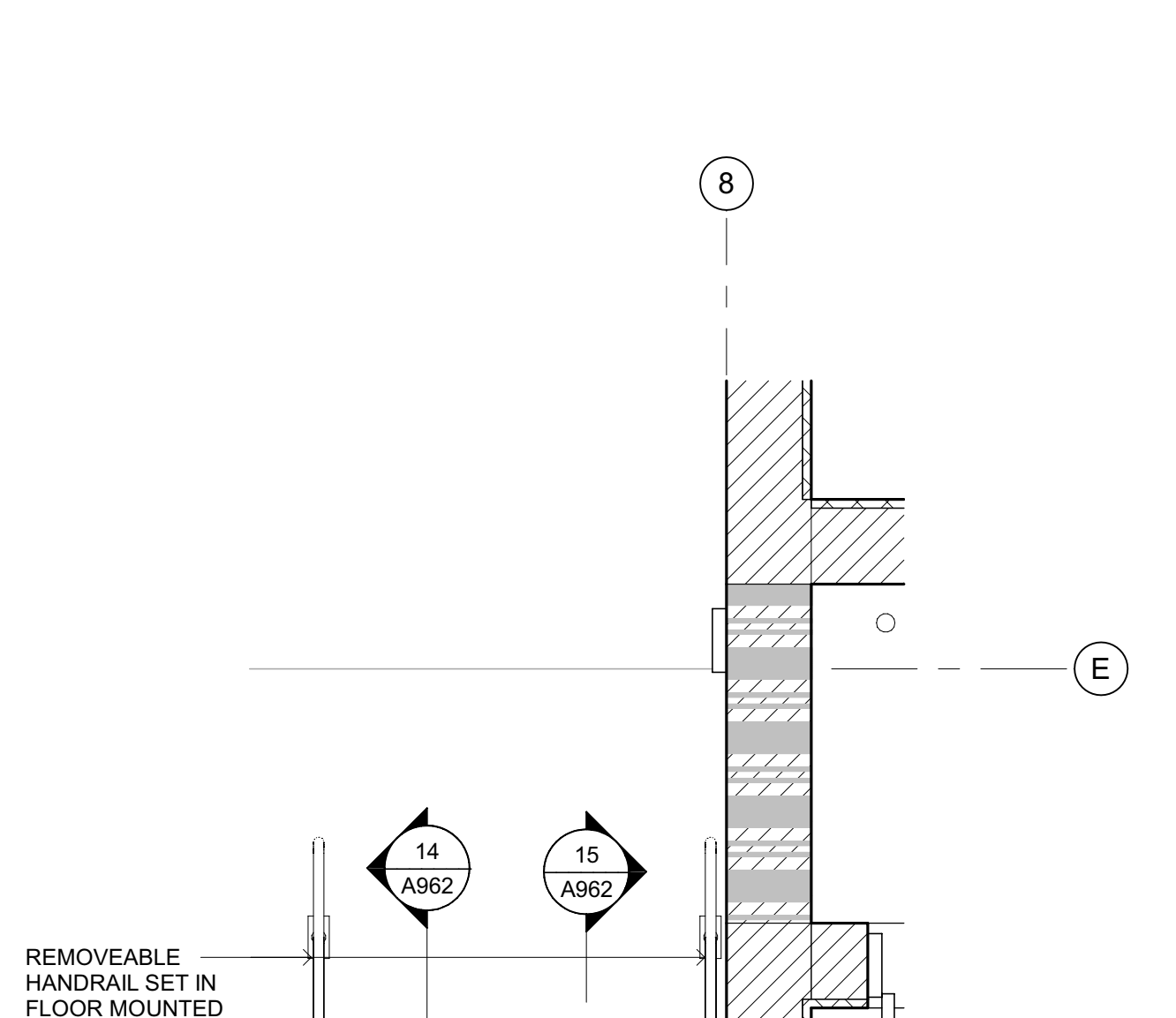
Delta	Description	Date

Drawn By: LIONAKIS  
 Date Issued: 09.19.2022  
 Scale: As indicated  
 Project No.: 16-6421.00

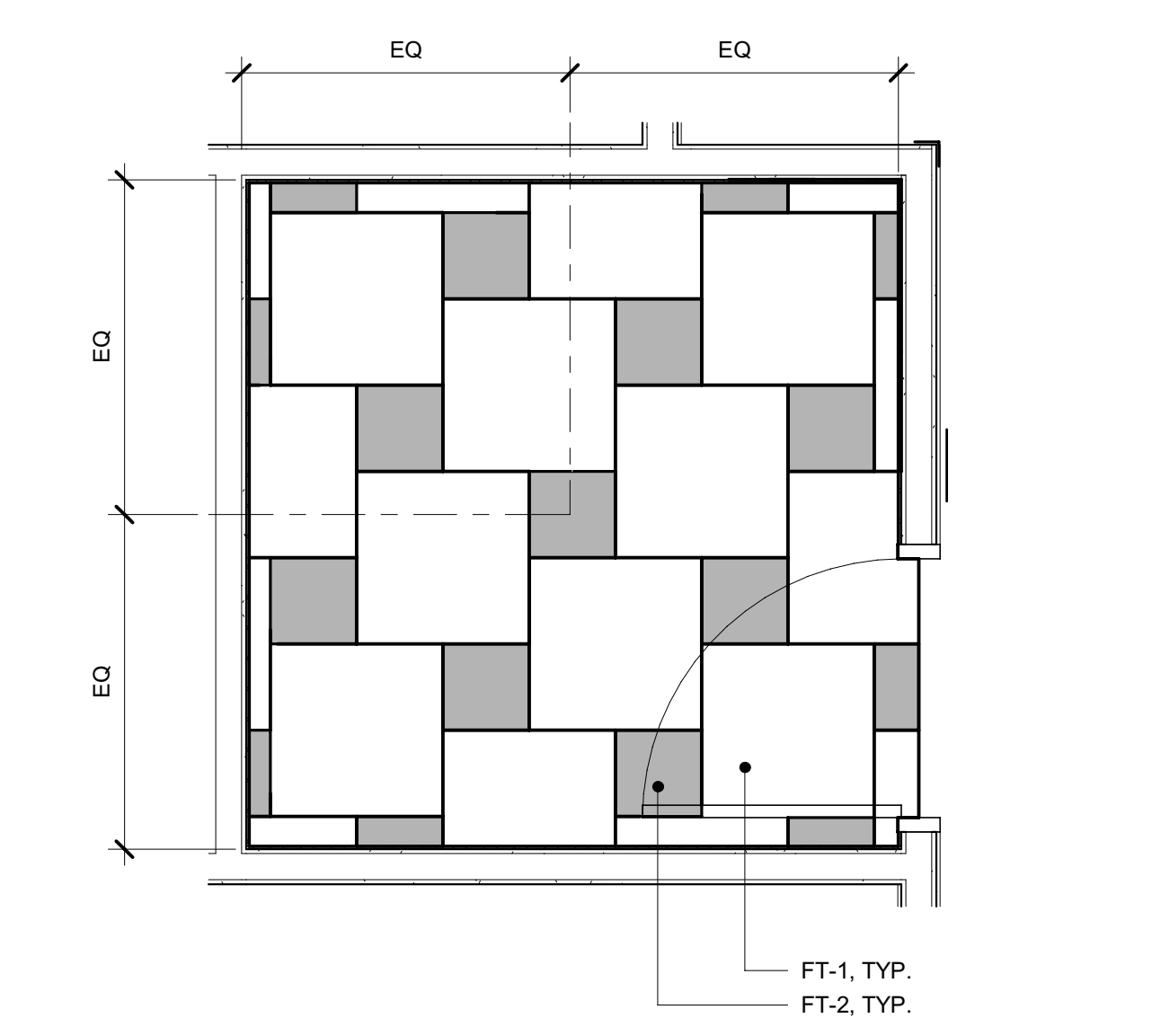
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**A961 V4**



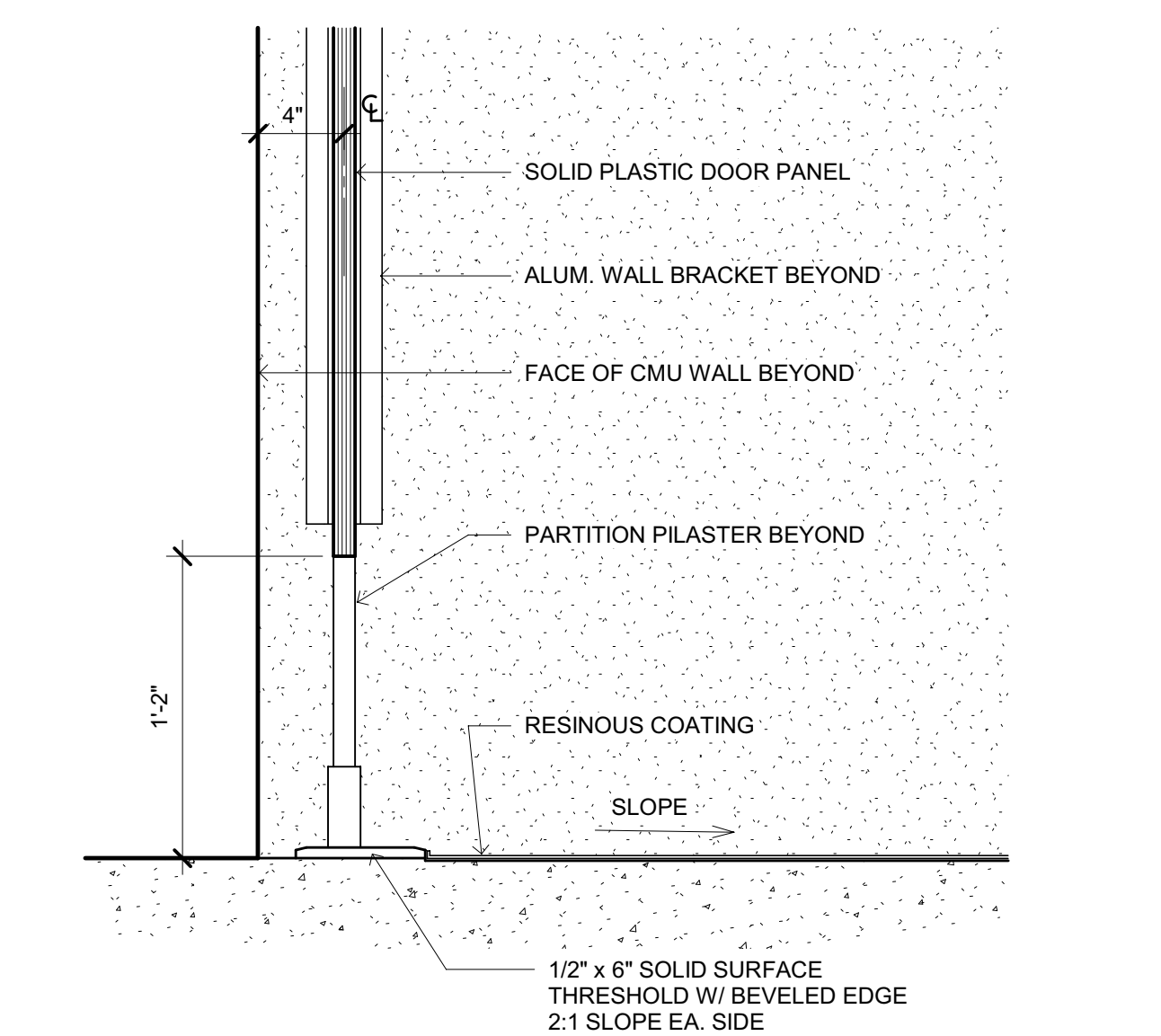
METAL ACCESS STAIRS - NORTH  
SCALE: 1/2" = 1'-0"  
16



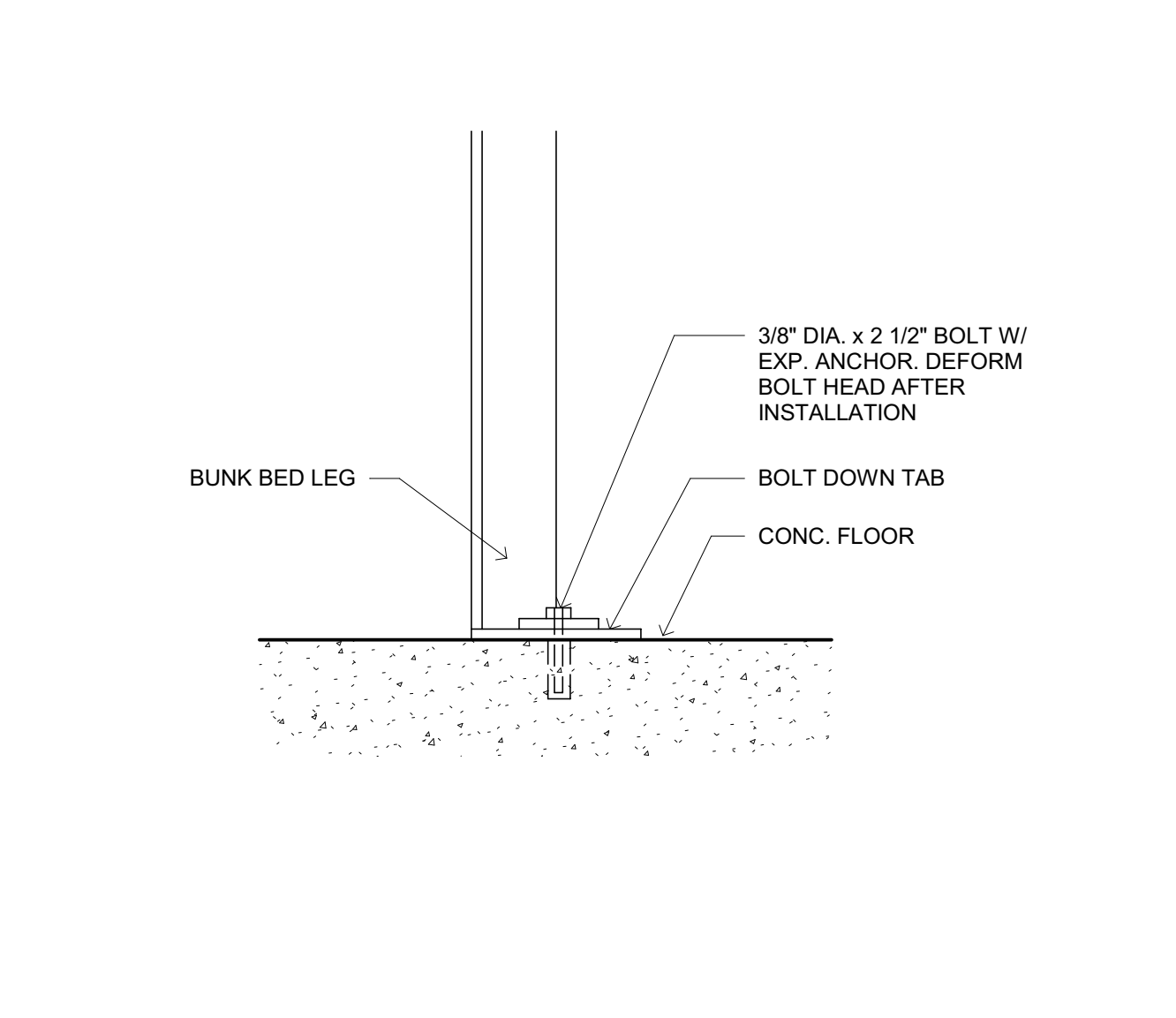
ENLARGED DAY TANK STAIR  
SCALE: 1/2" = 1'-0"  
13



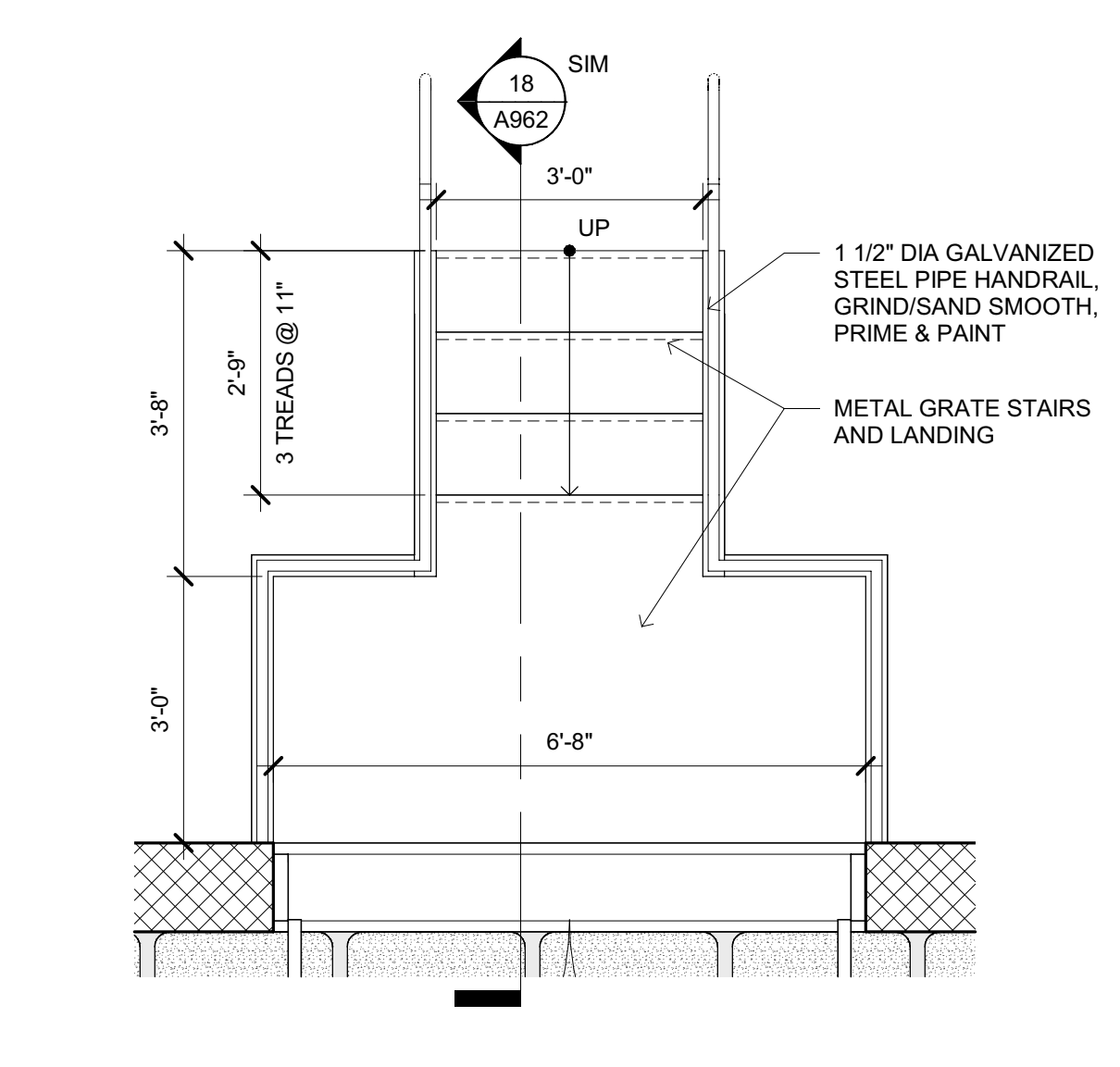
TYPICAL FLOOR TILE PATTERN  
SCALE: 1/2" = 1'-0"  
9



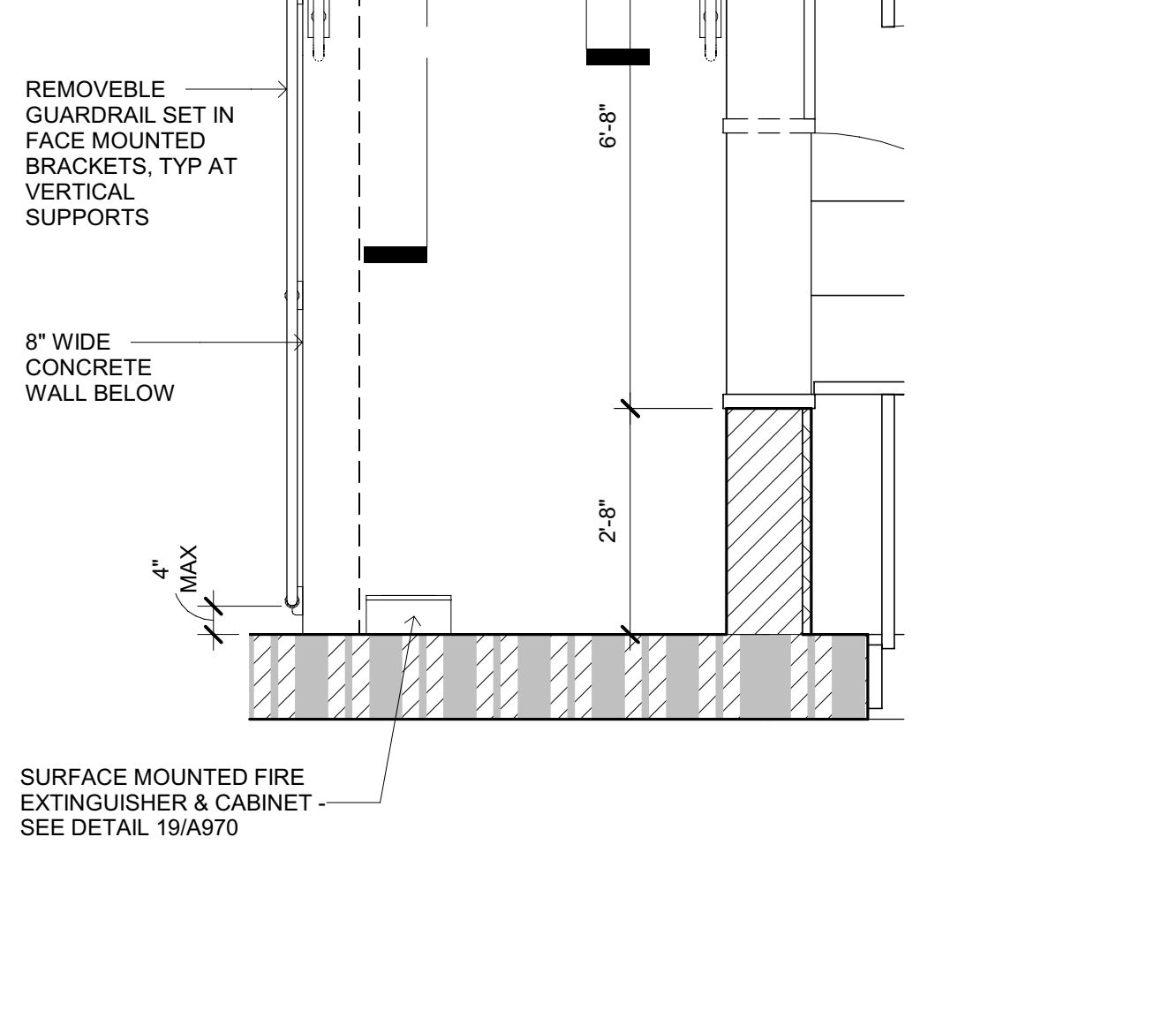
ACCESSIBLE SHOWER THRESHOLD  
SCALE: 1 1/2" = 1'-0"  
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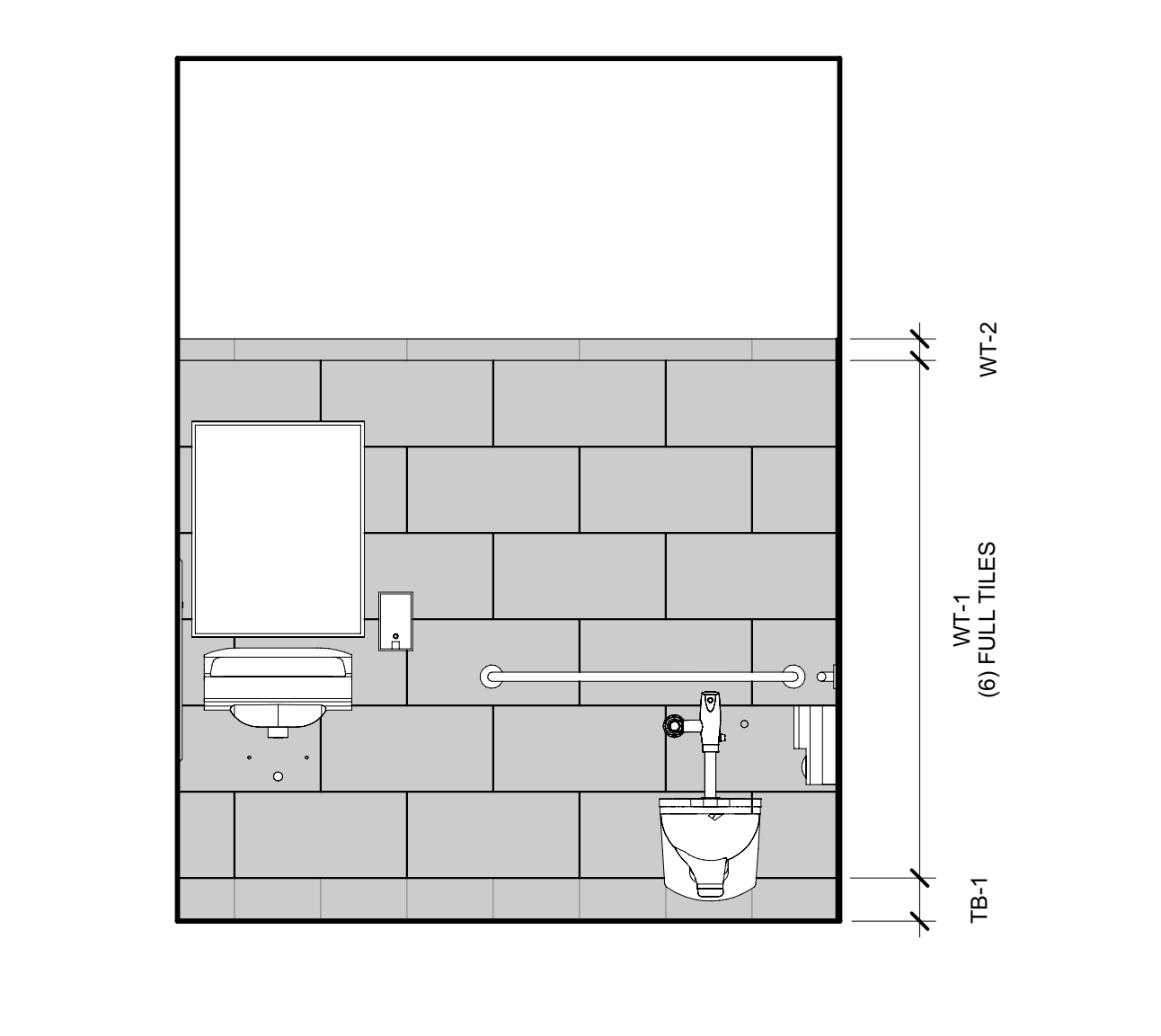
BUNK BED ANCHORAGE  
SCALE: 3" = 1'-0"  
1



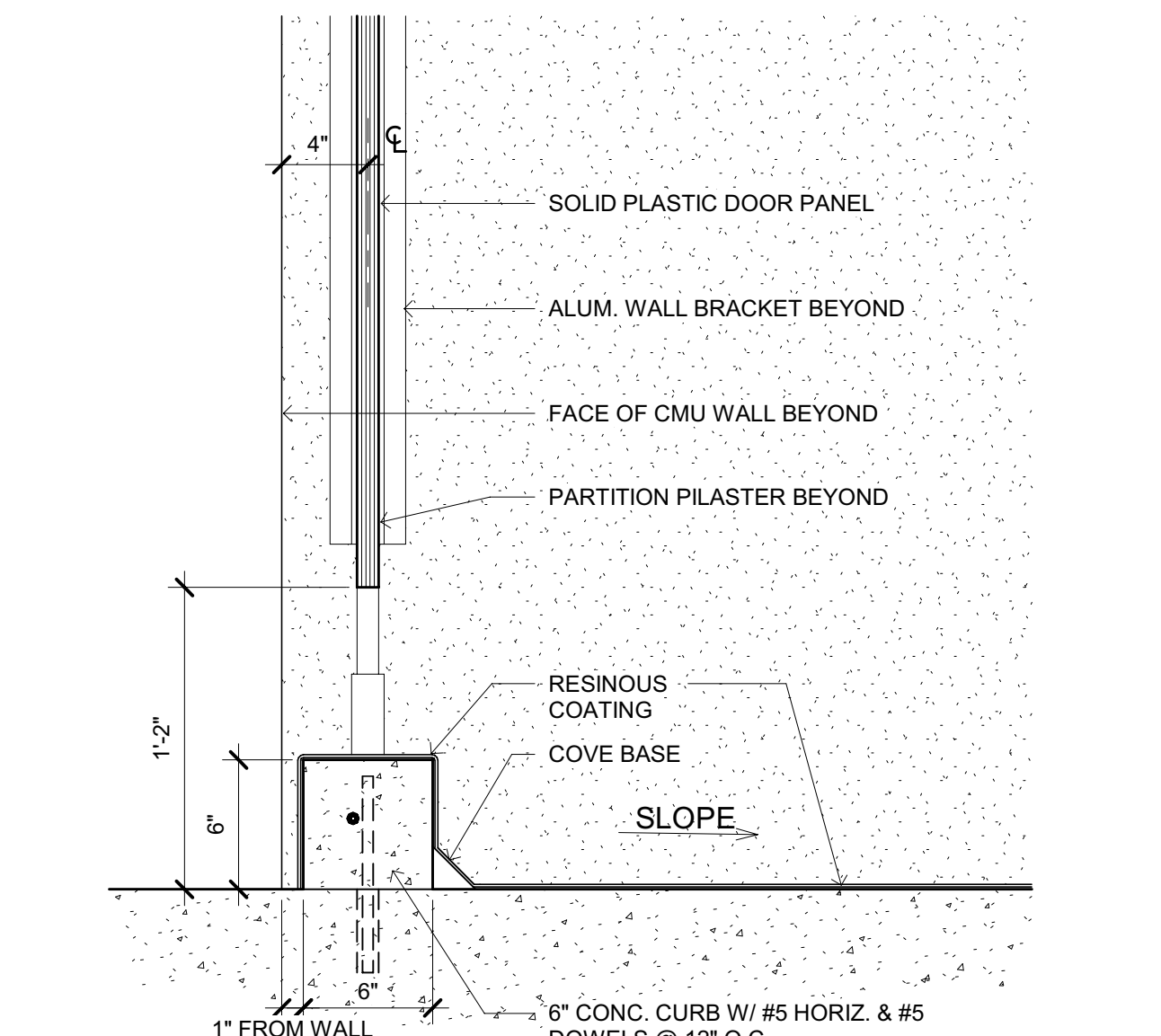
METAL ACCESS STAIRS - SOUTH  
SCALE: 1/2" = 1'-0"  
17



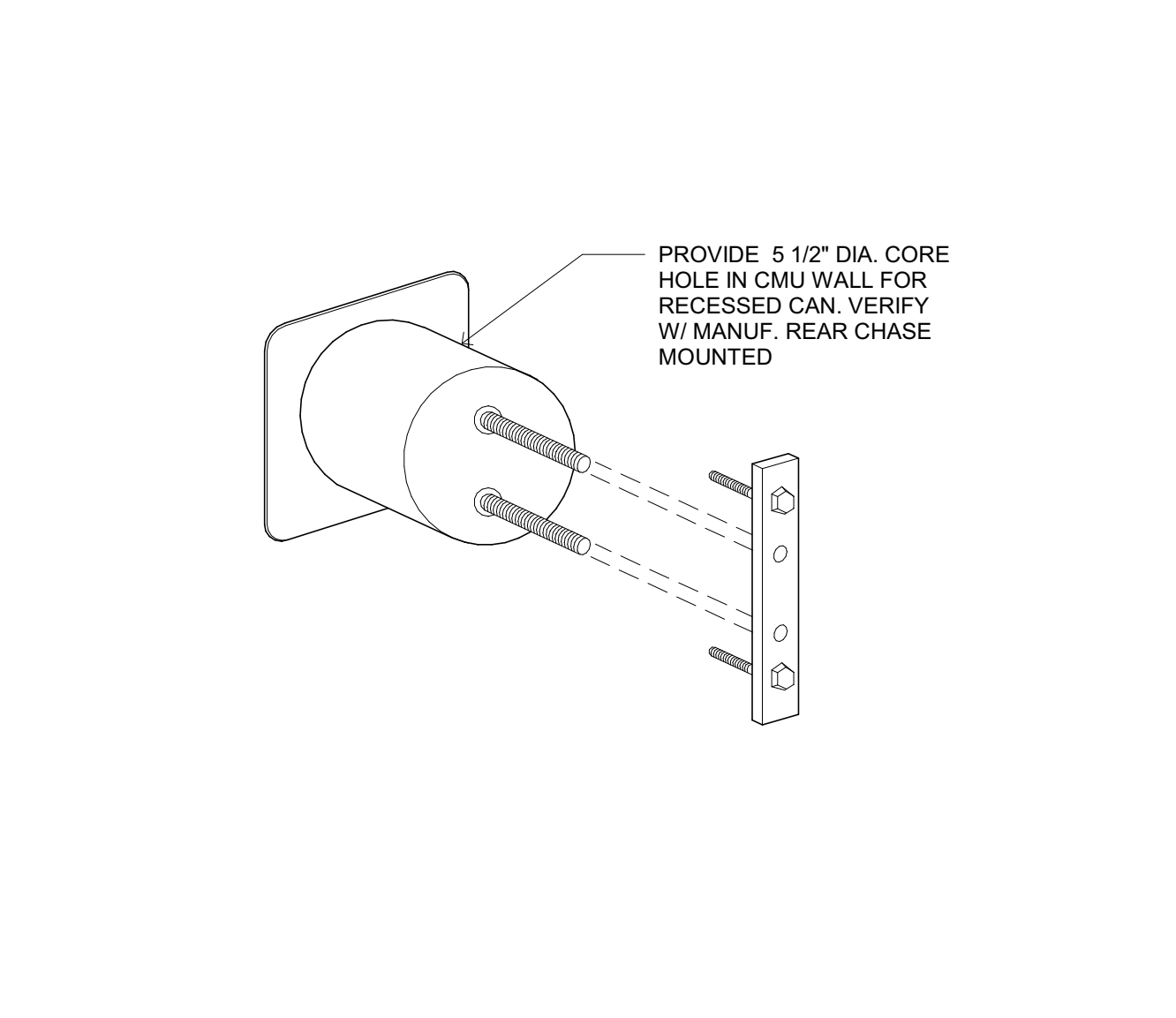
TYPICAL WALL TILE PATTERN  
SCALE: 1/2" = 1'-0"  
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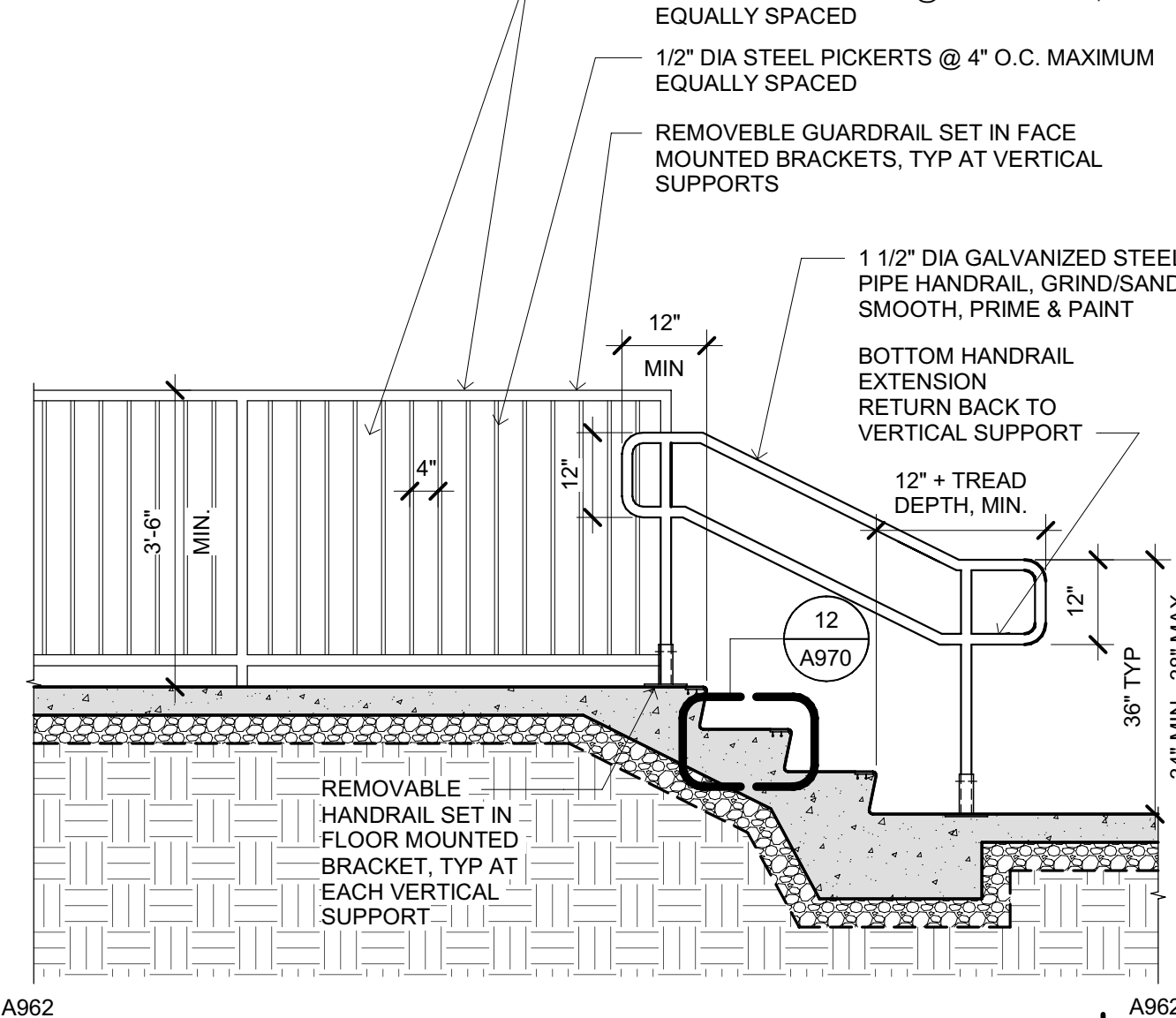
ACCESSIBLE SHOWER THRESHOLD AT CURB  
SCALE: 1 1/2" = 1'-0"  
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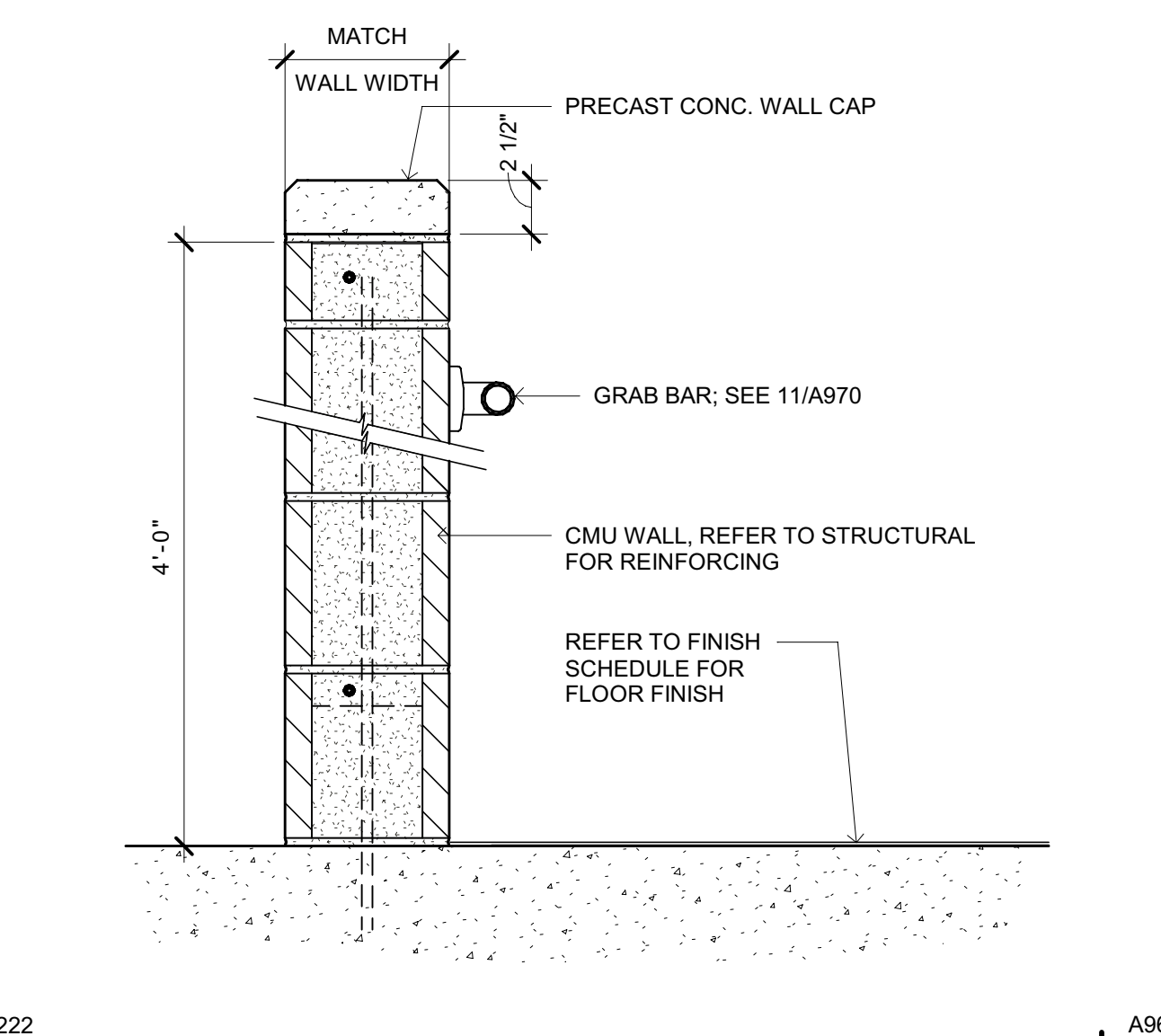
RECESSED T.P. HOLDER  
SCALE: N.T.S.  
2



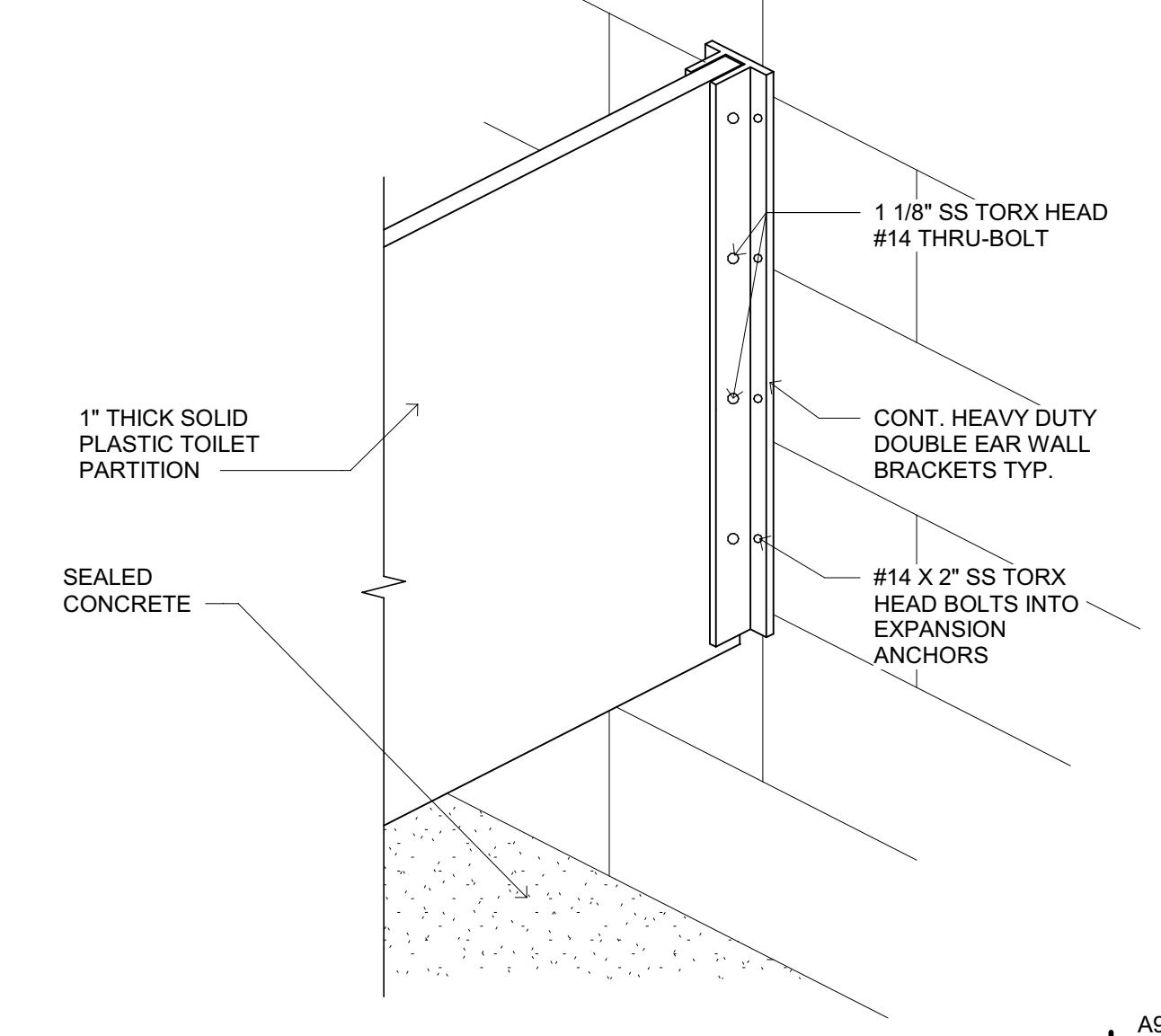
METAL ACCESS STAIR TYPICAL SECTION  
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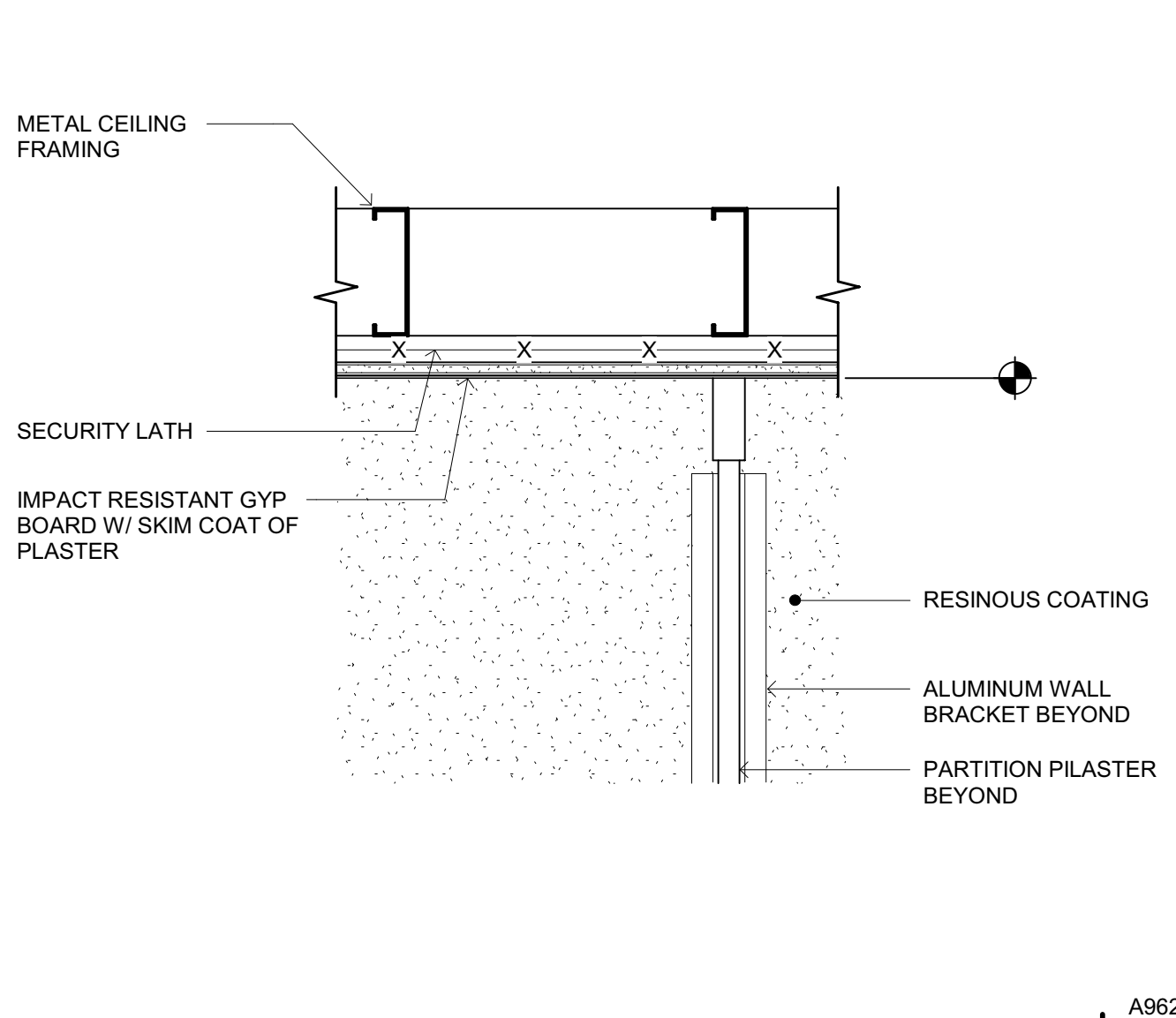
STAIR SECTION AT DAY TANK STORAGE  
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14



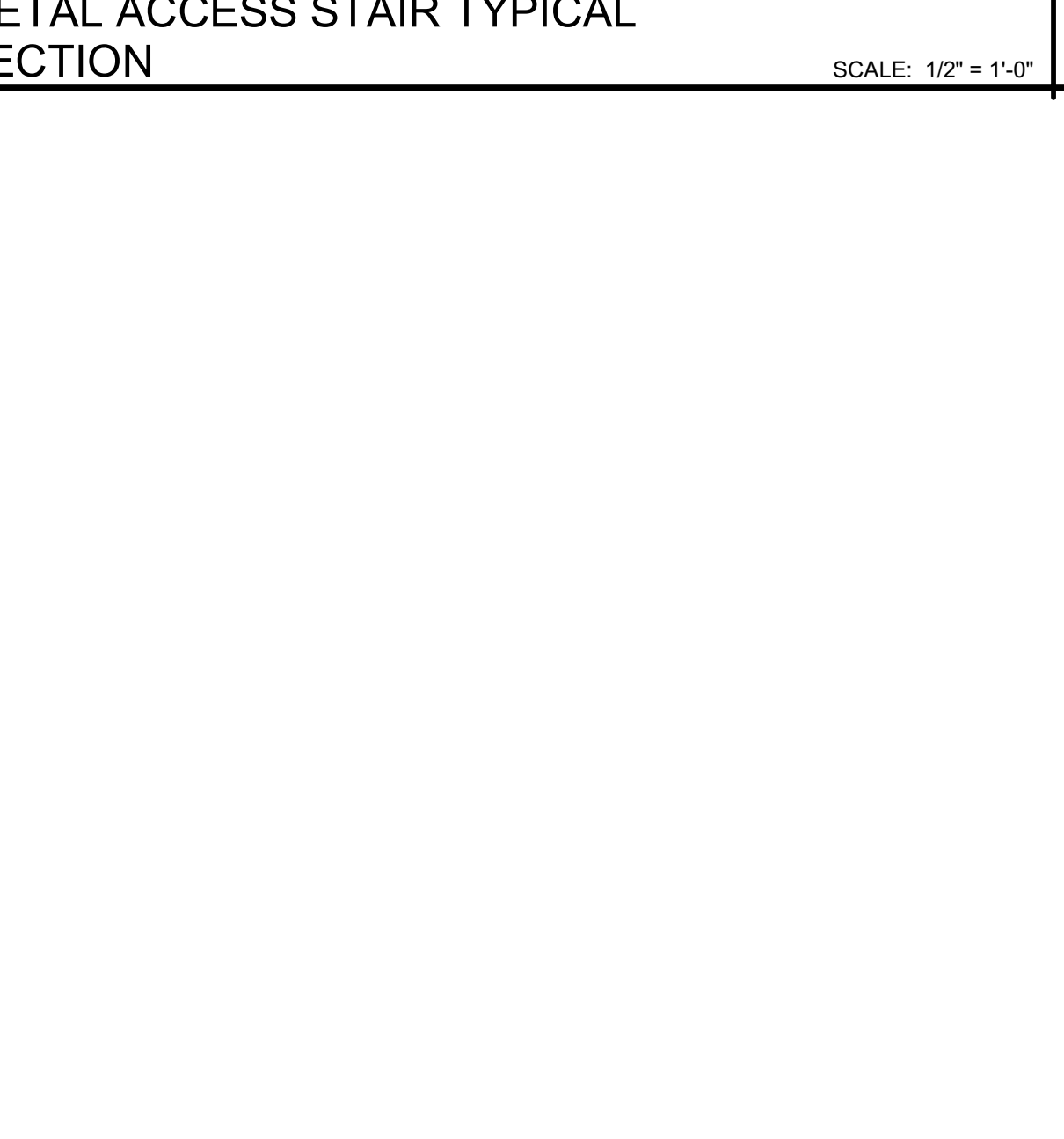
LOW WALL AT DETENTION RESTROOM  
SCALE: 1 1/2" = 1'-0"  
11



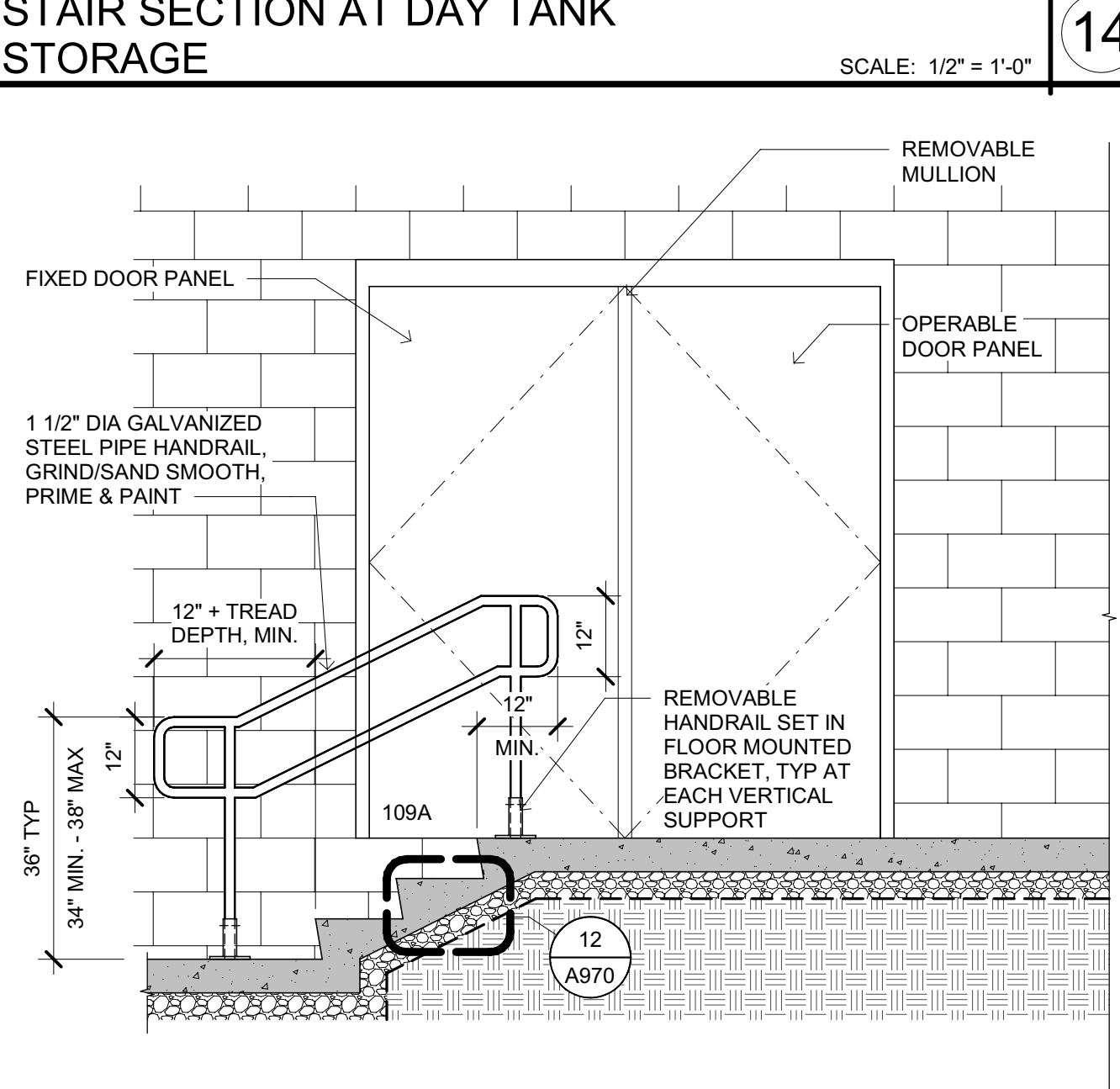
TOILET PARTITION TO WALL  
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7



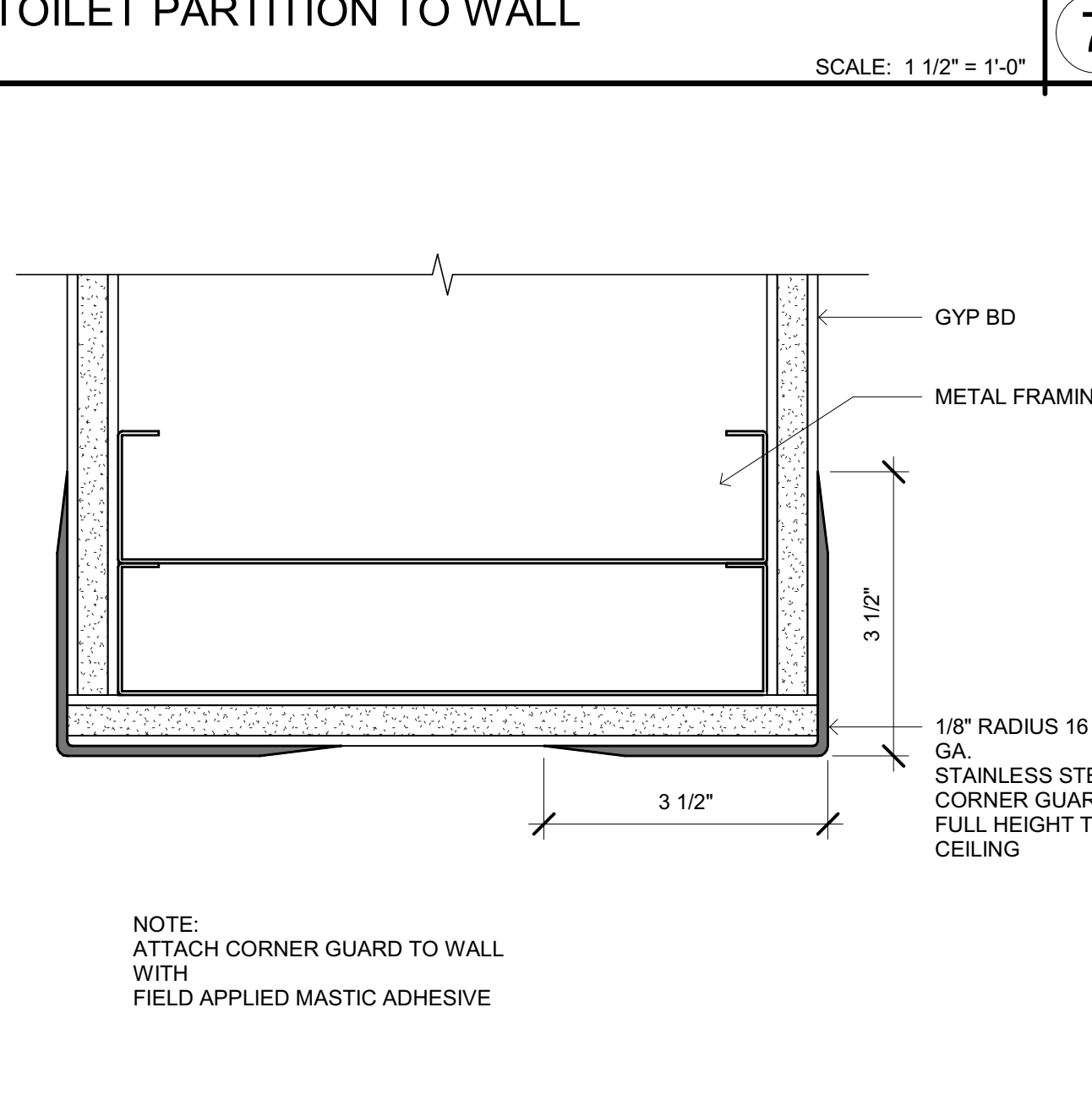
SHOWER DOOR HEAD  
SCALE: 1 1/2" = 1'-0"  
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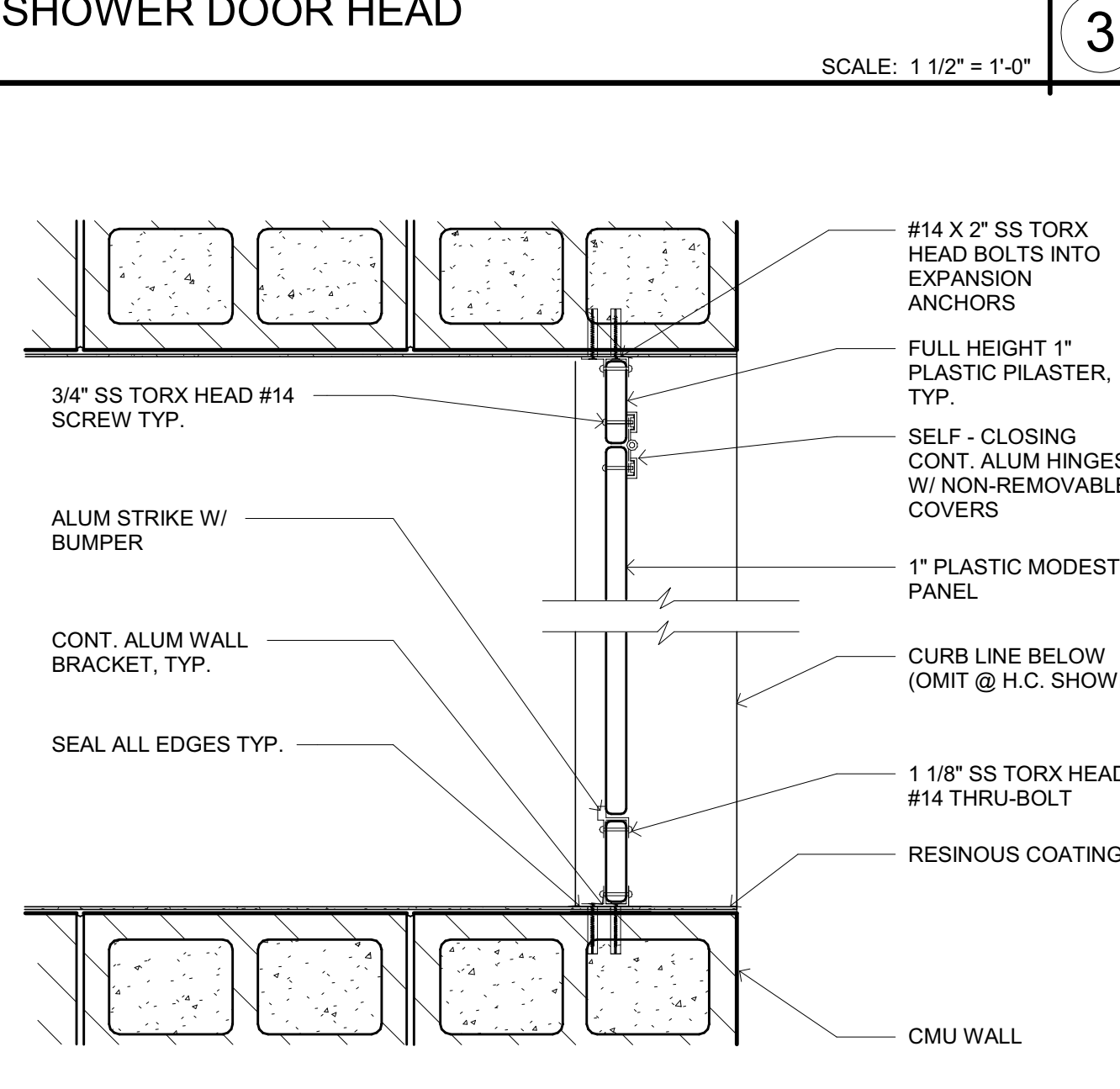
HANDRAIL ON WALL - DAY TANK  
SCALE: 1/2" = 1'-0"  
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VISUAL DISPLAY BOARD  
SCALE: 3" = 1'-0"  
12



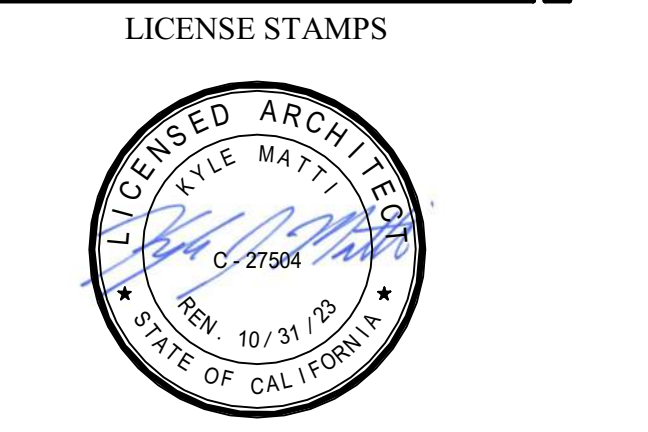
STAINLESS STEEL CORNER GUARD  
SCALE: 6" = 1'-0"  
8



SHOWER DOOR JAMB AT CMU  
SCALE: 1 1/2" = 1'-0"  
4



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**MISCELLANEOUS INTERIOR DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

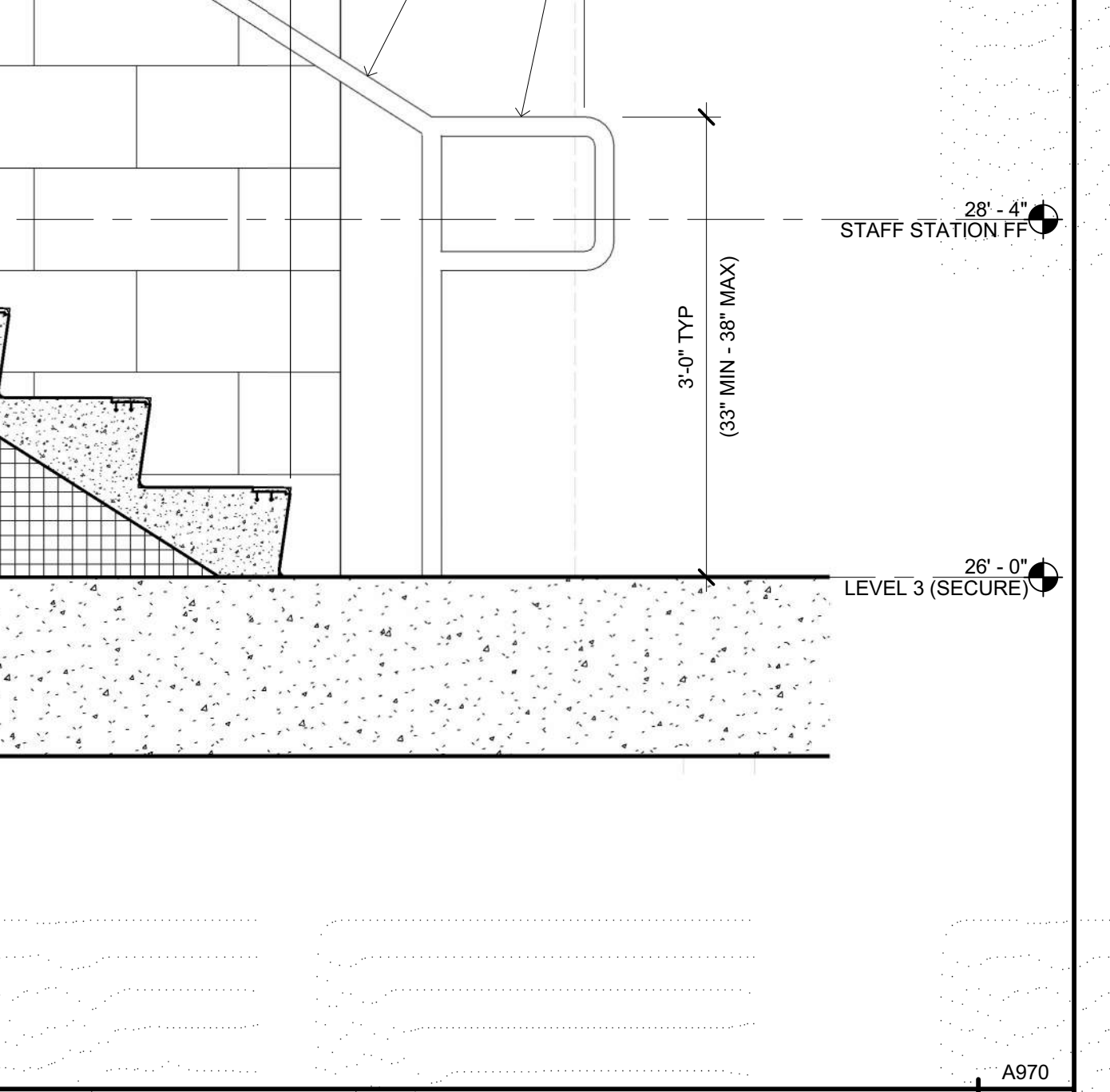
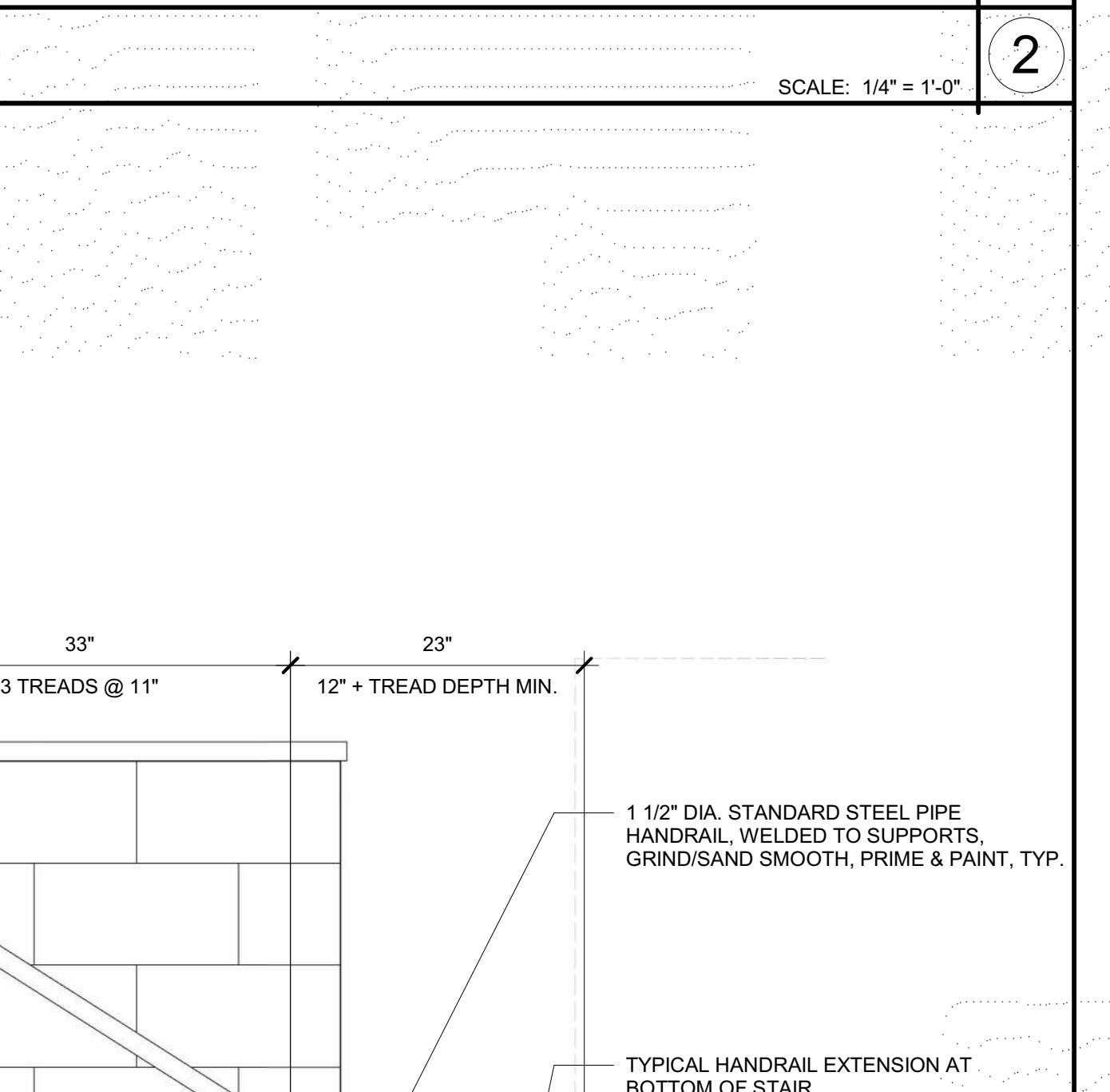
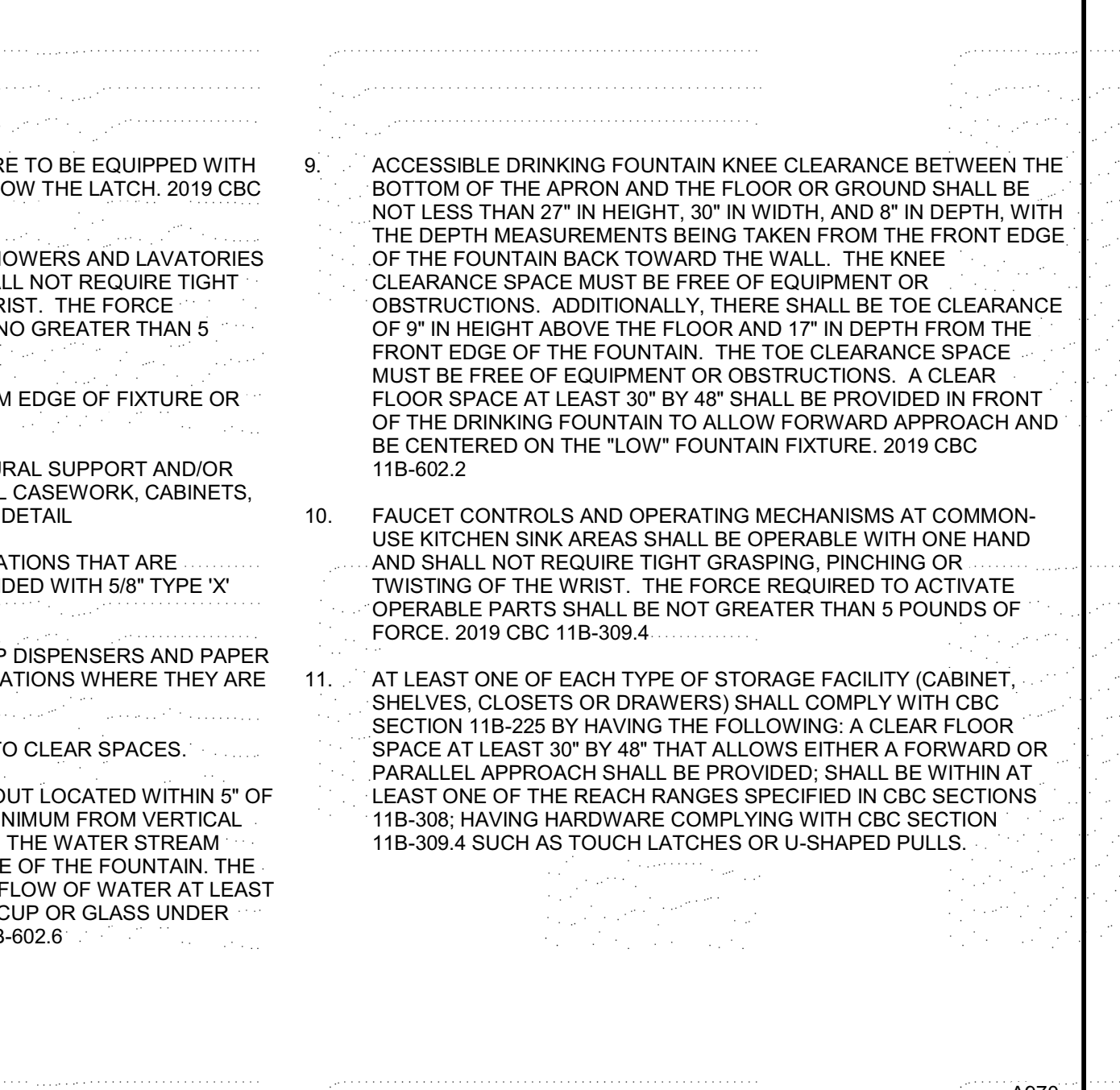
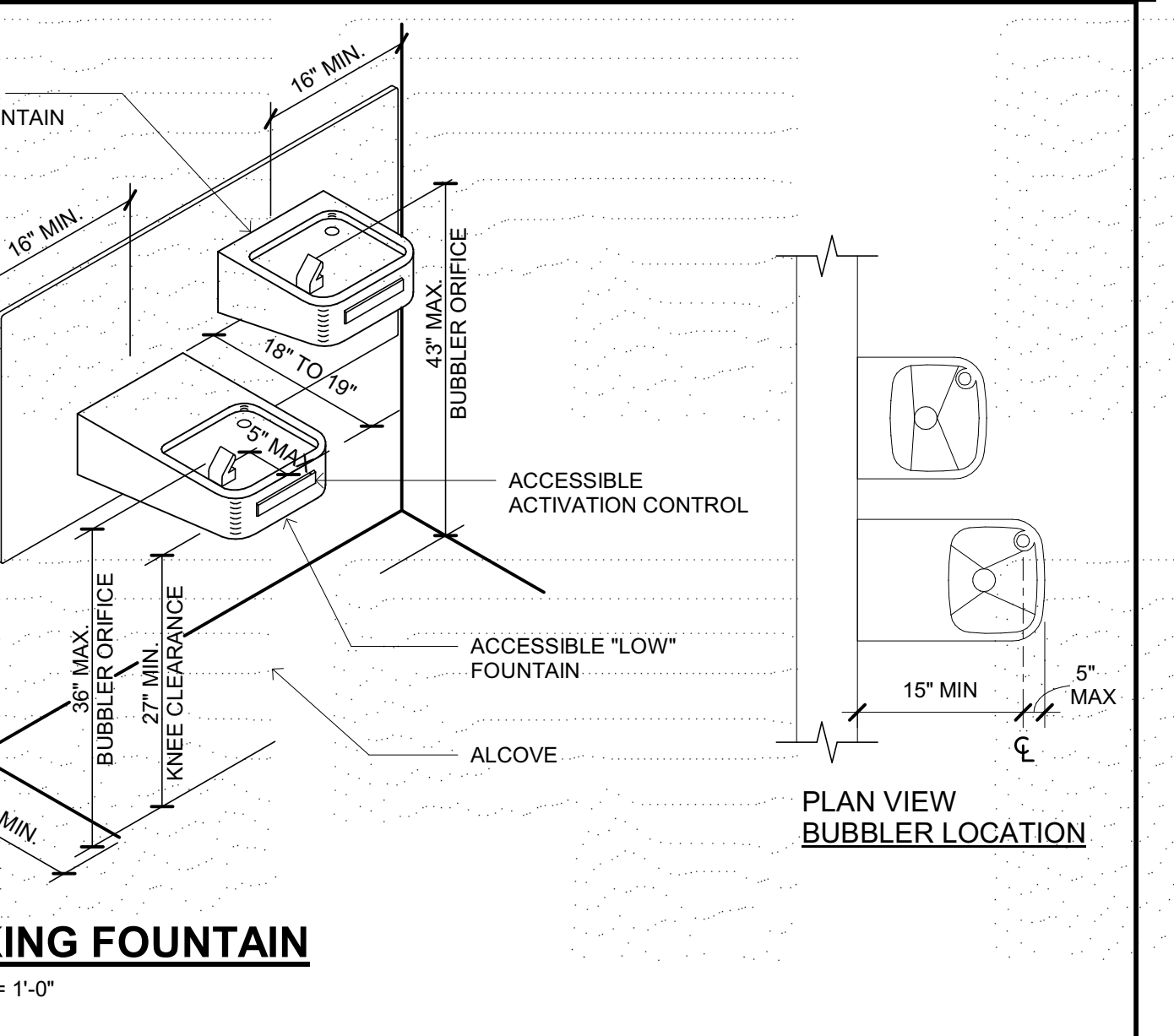
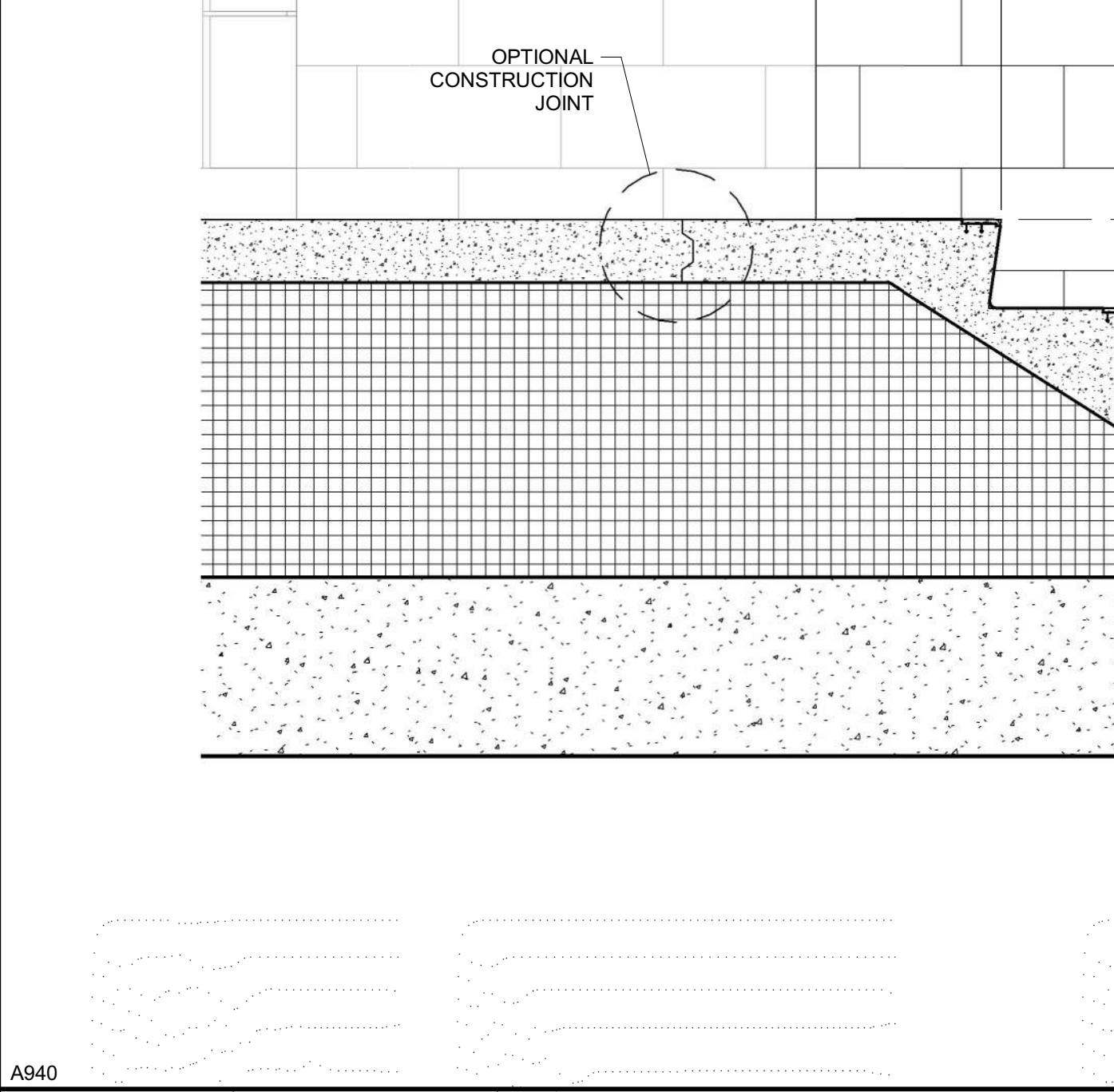
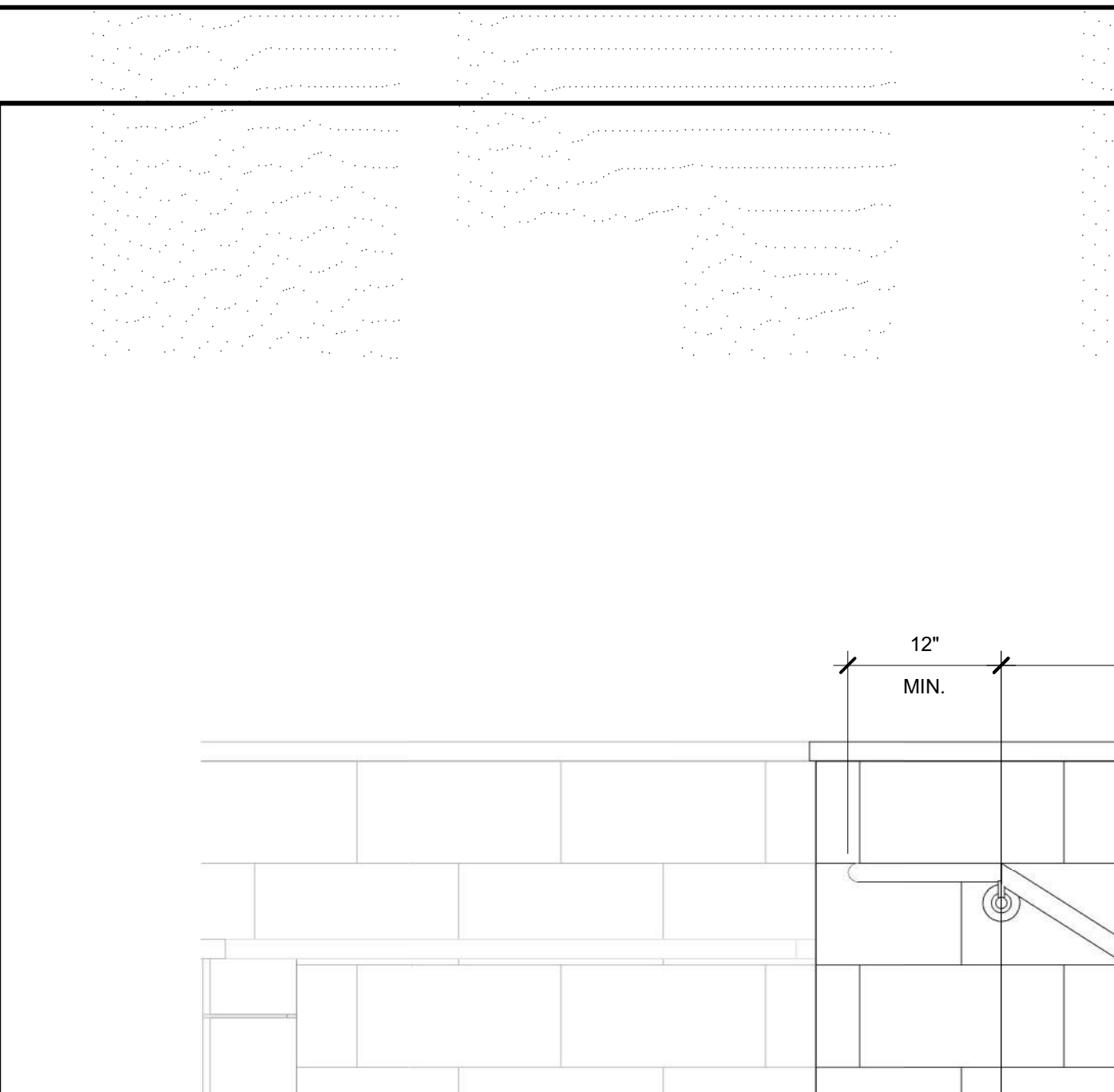
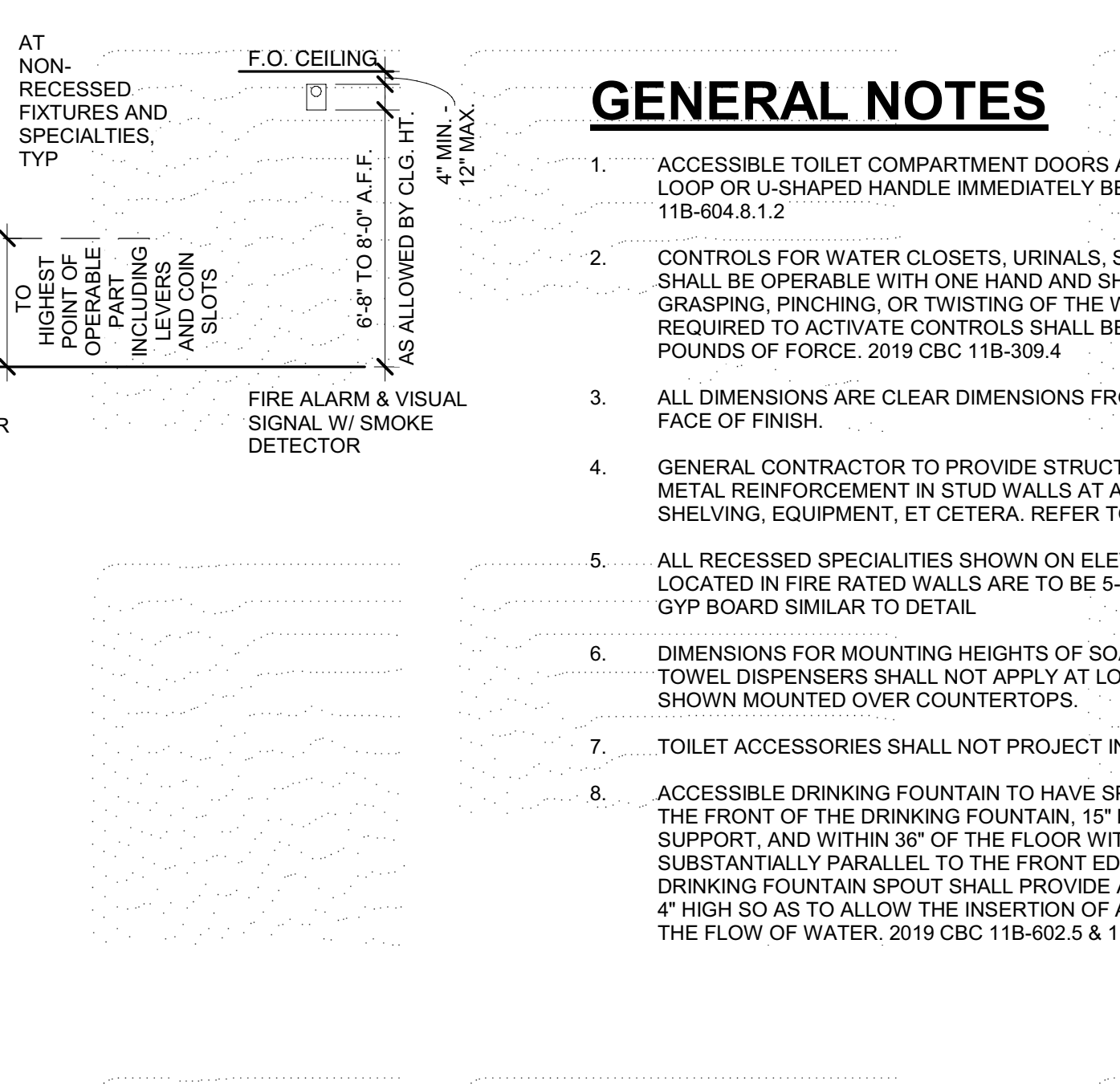
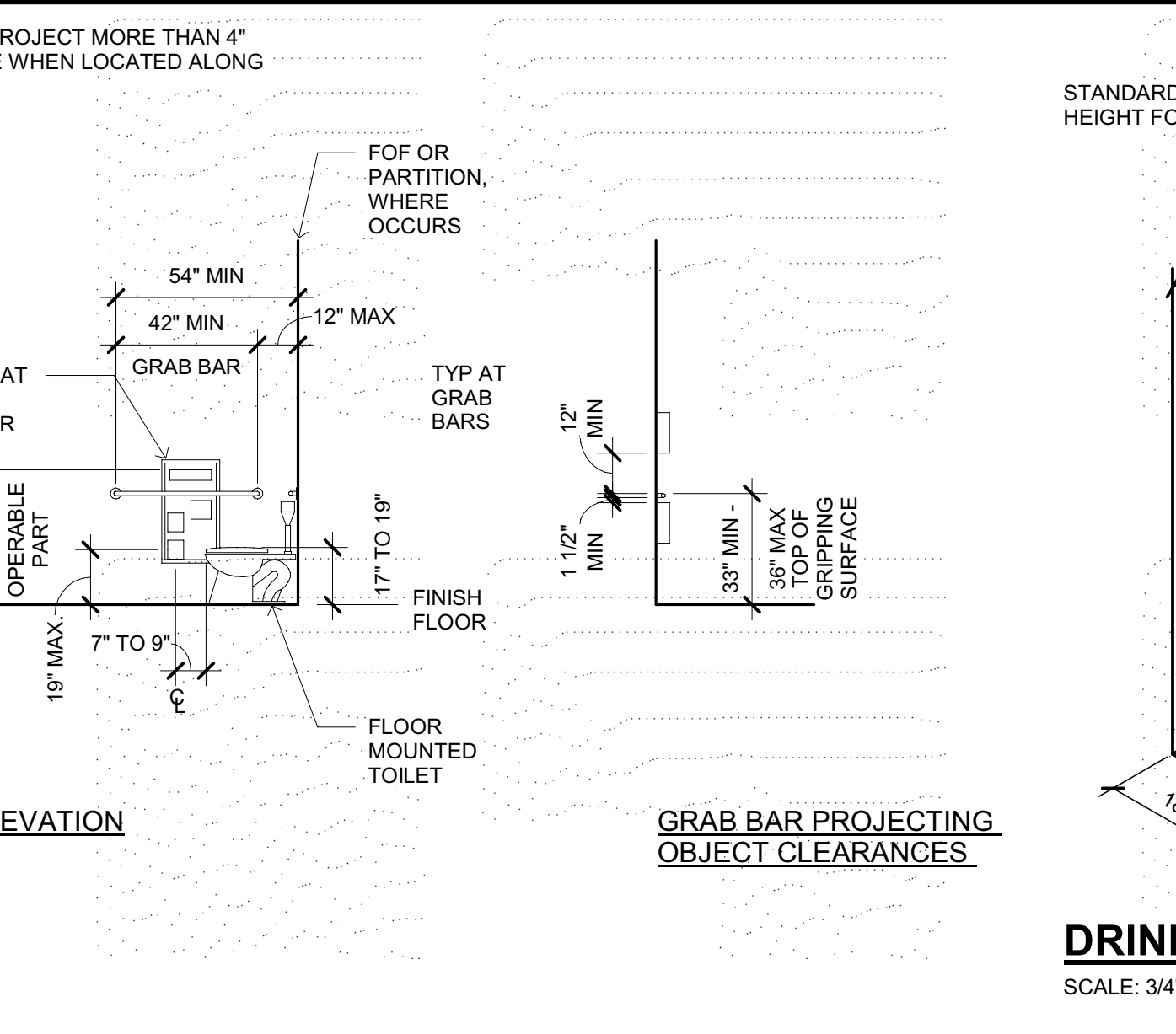
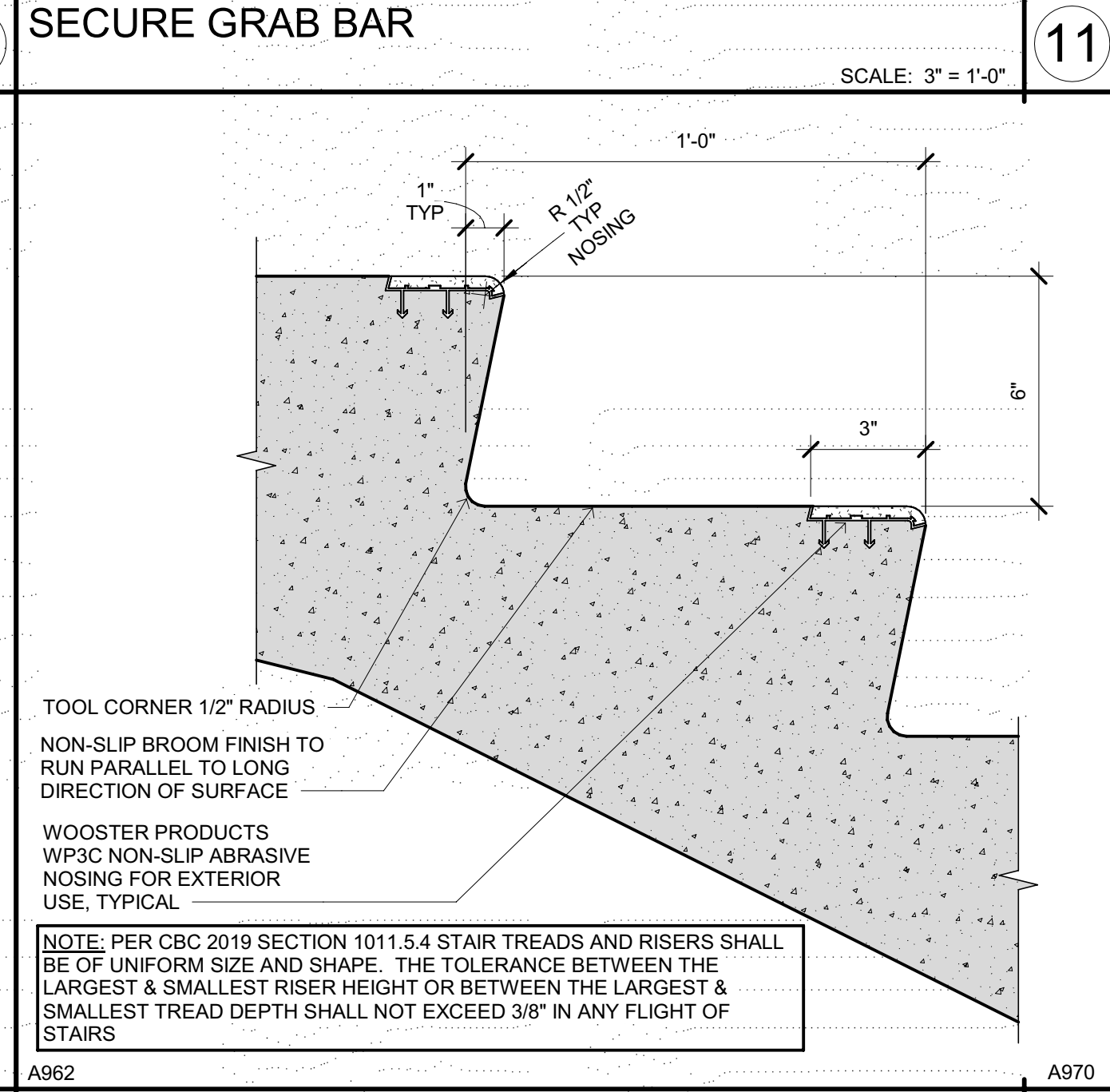
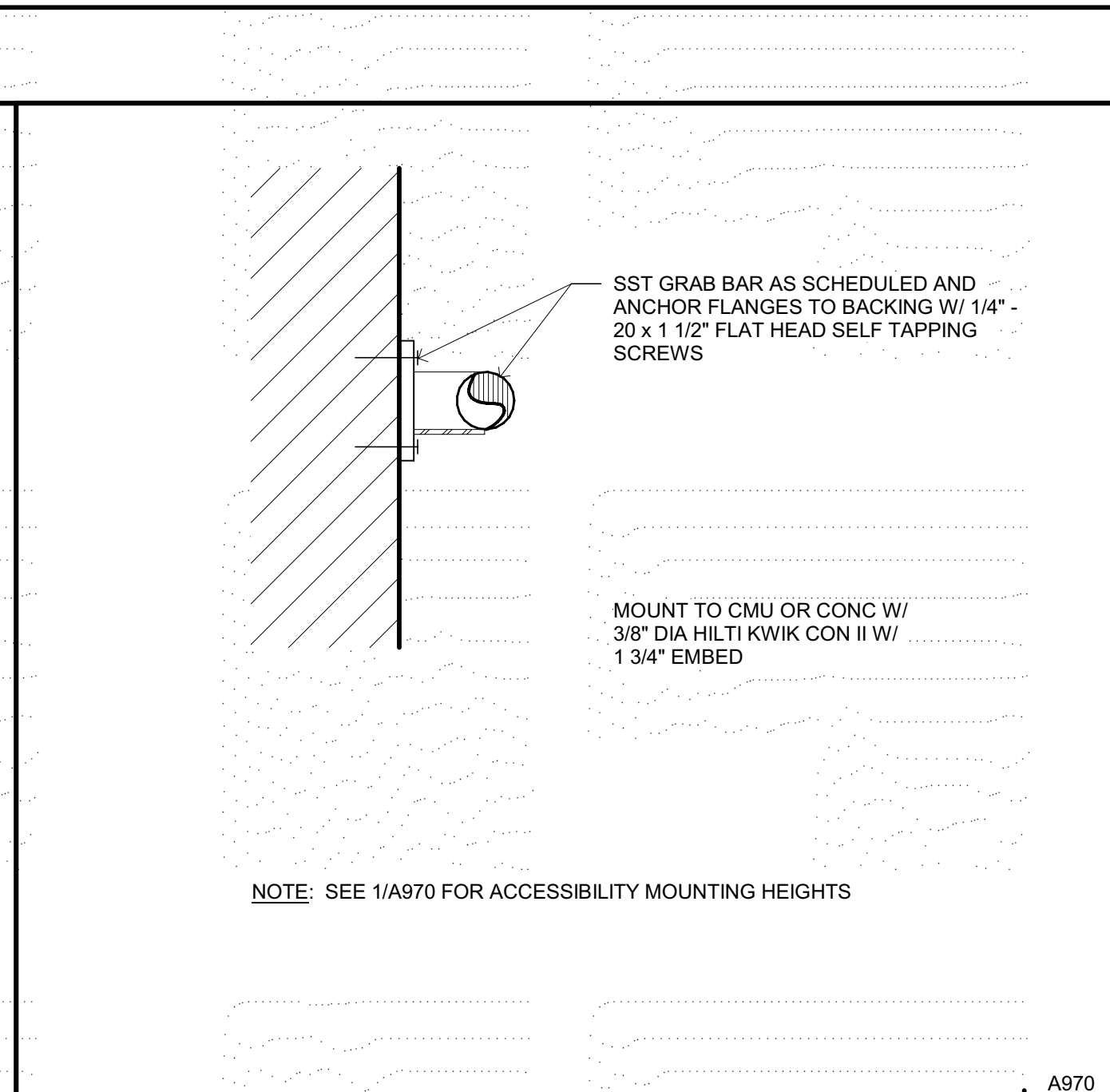
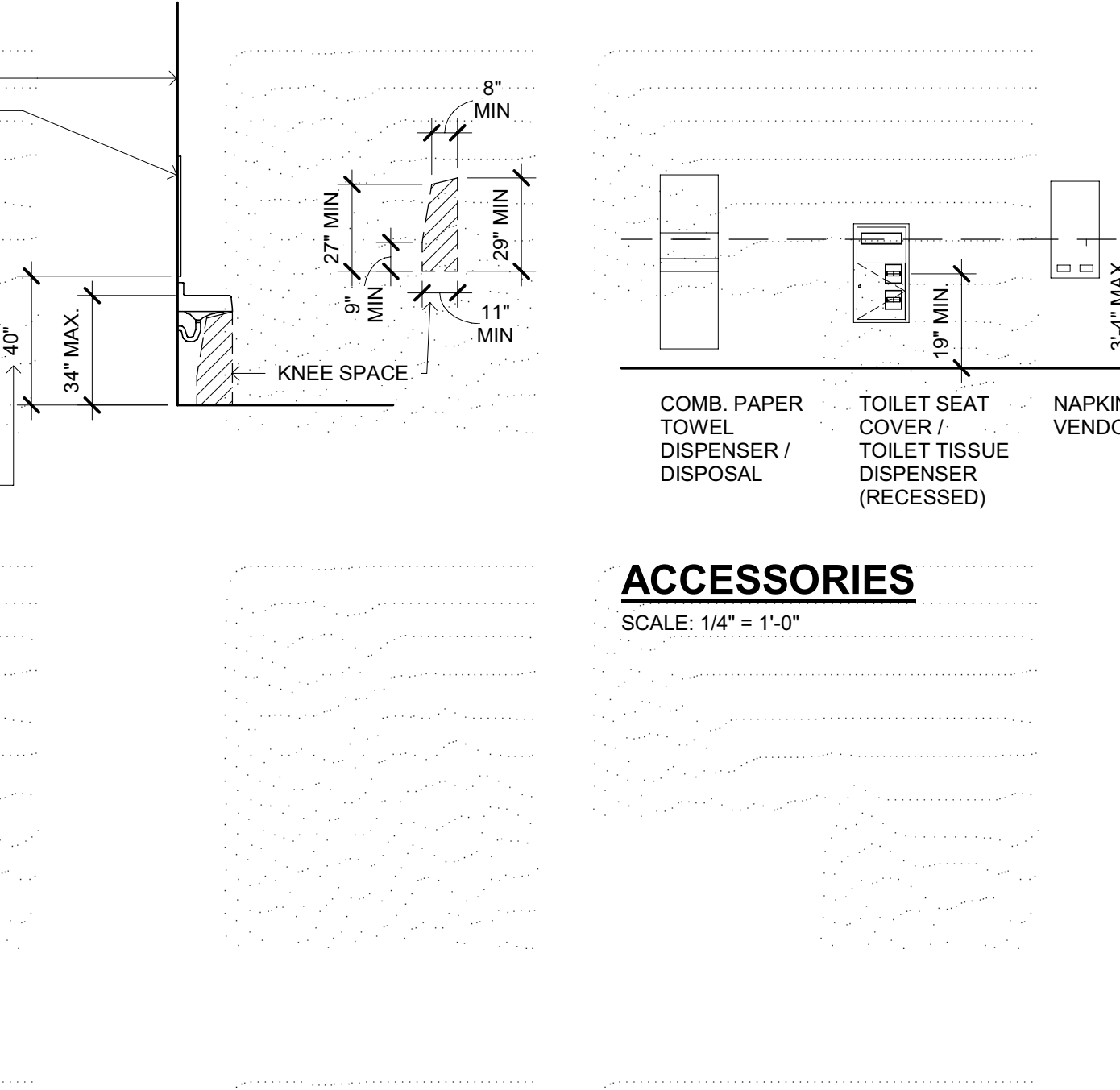
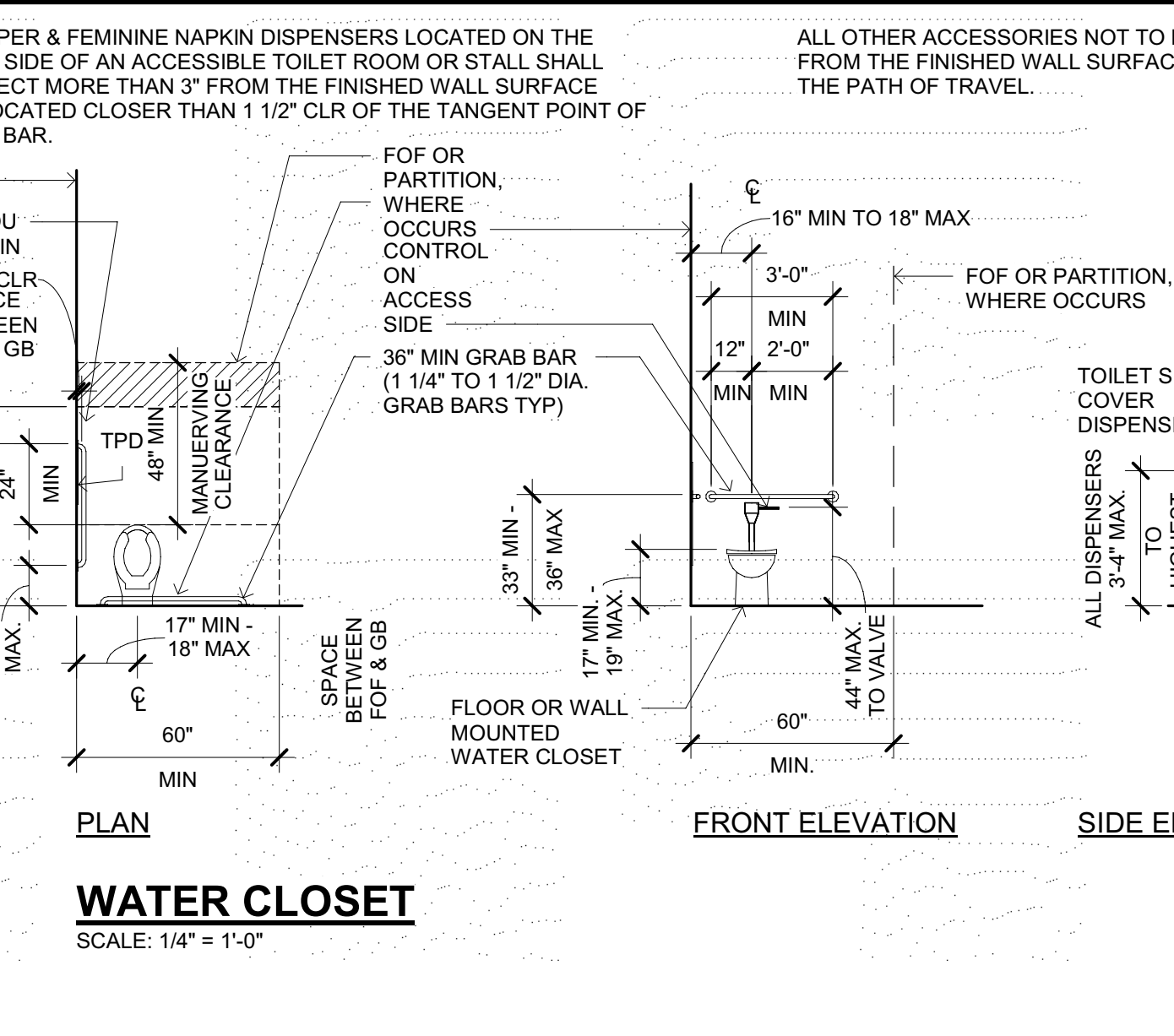
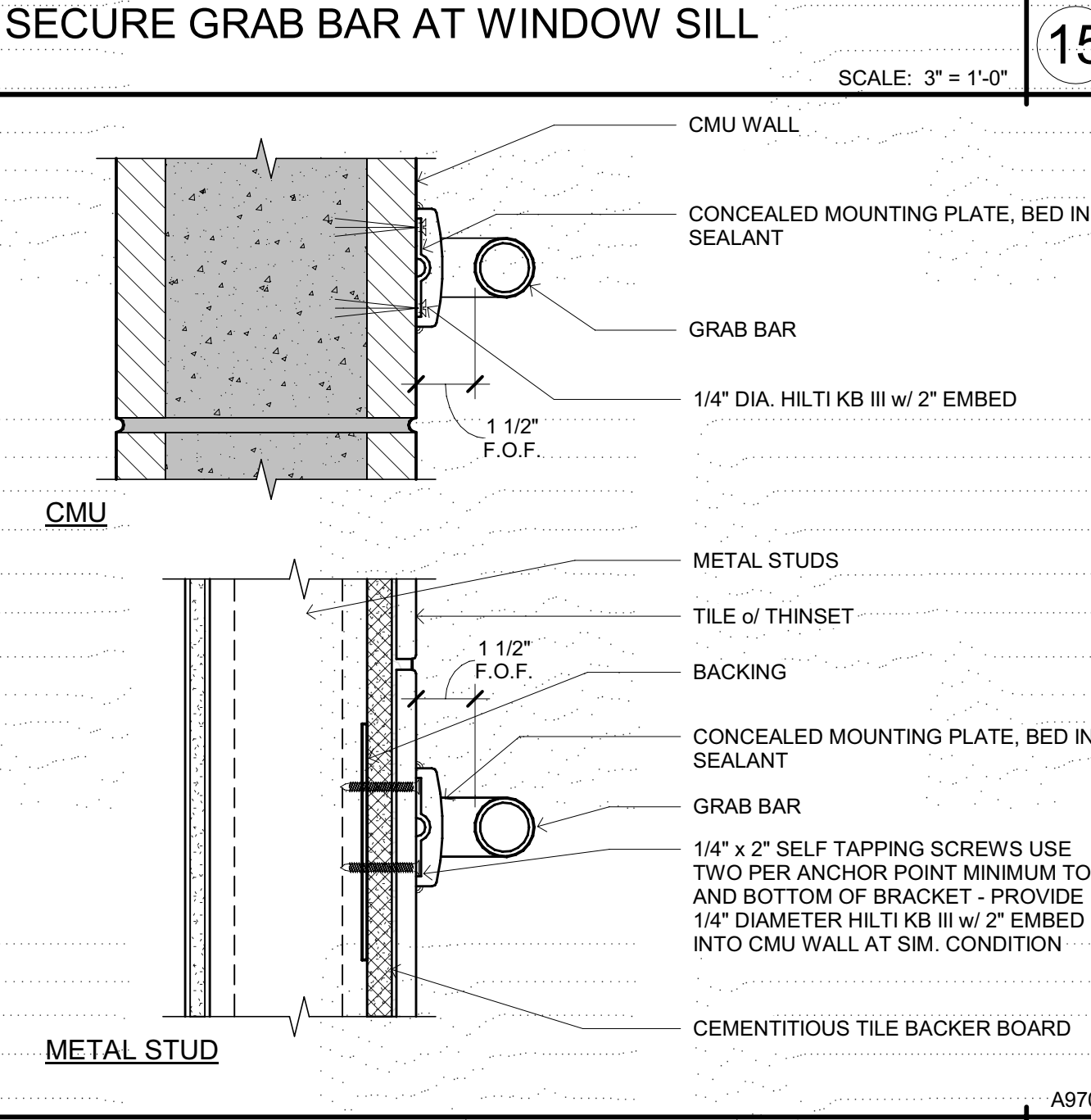
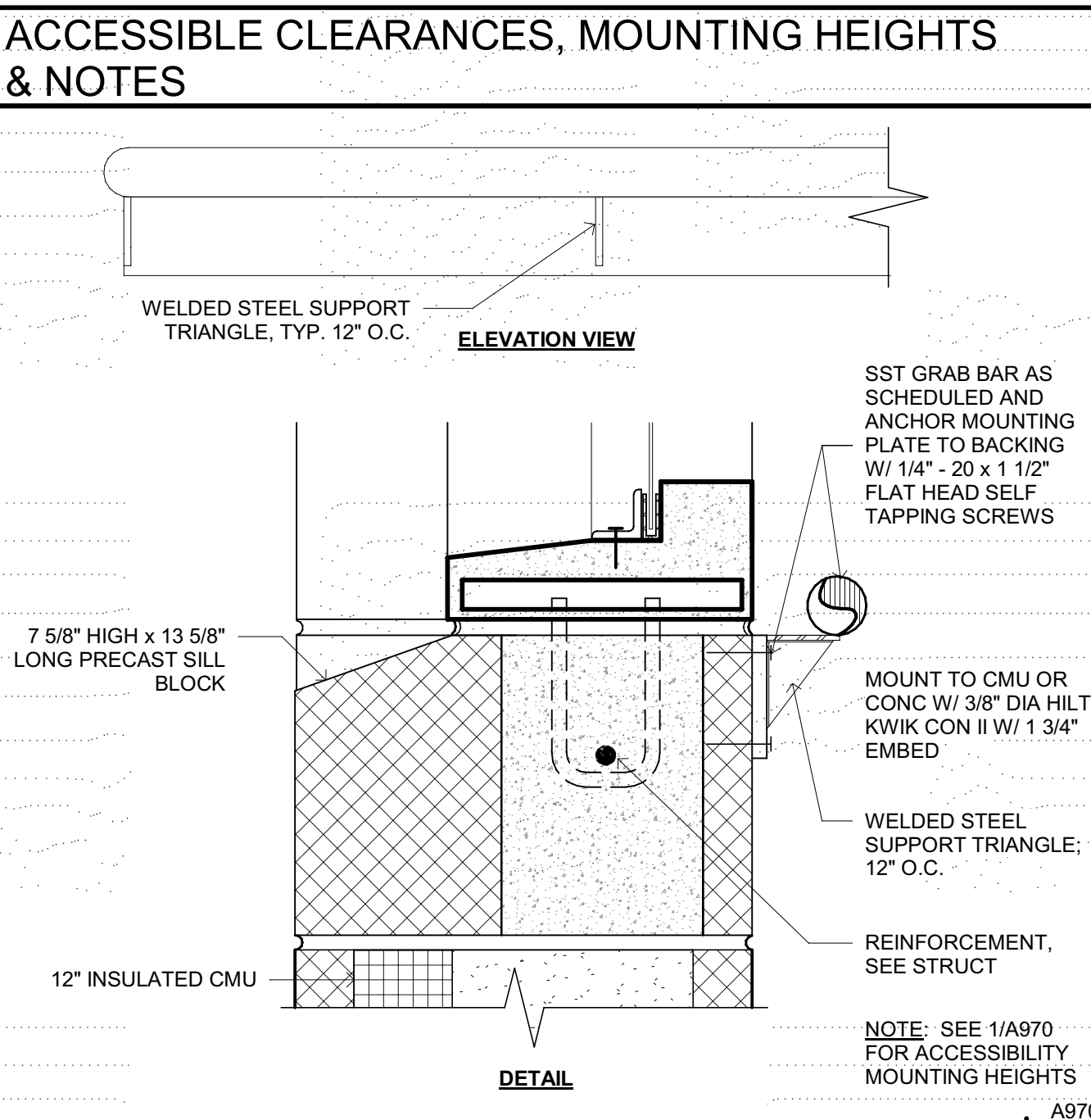
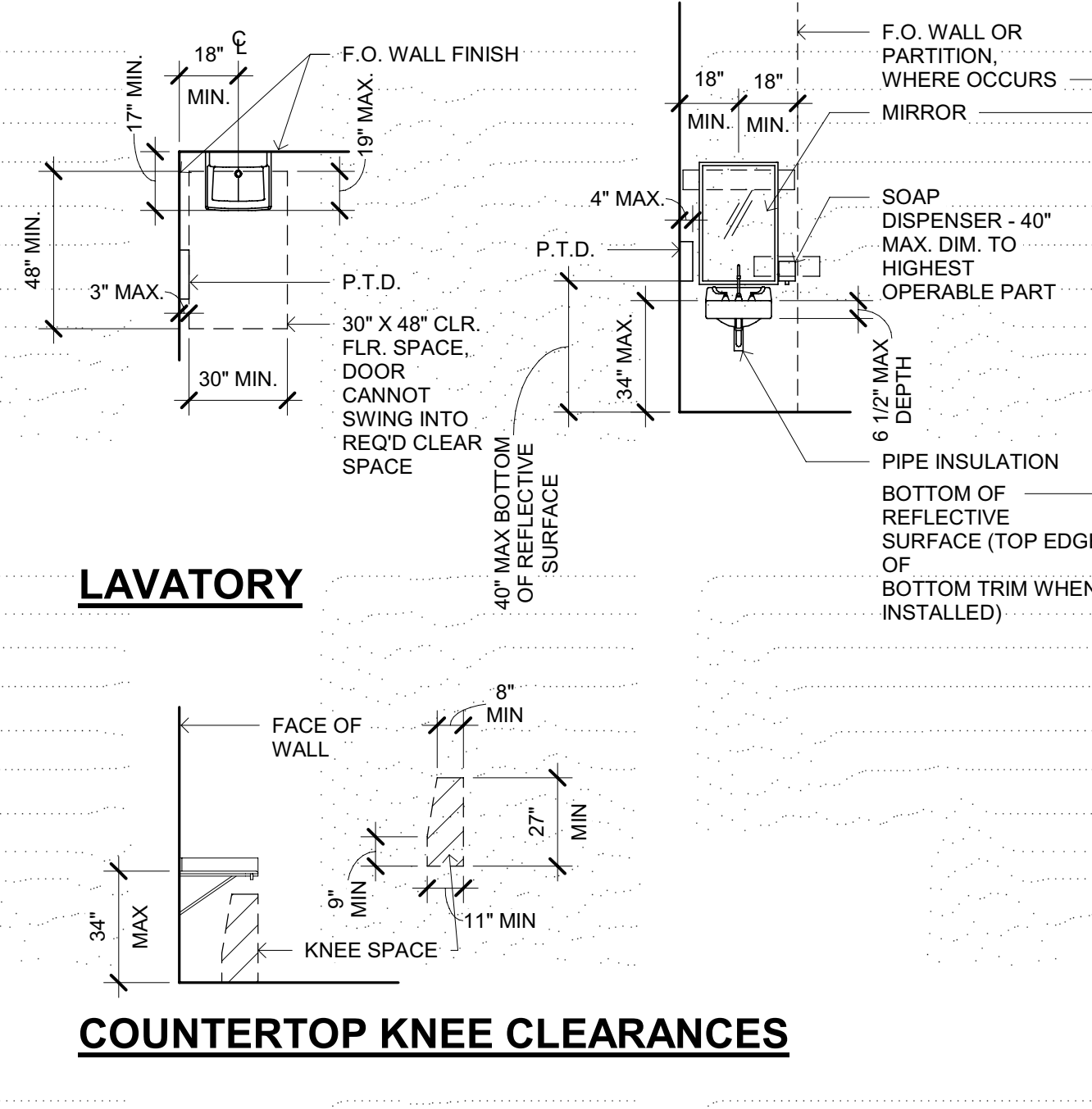
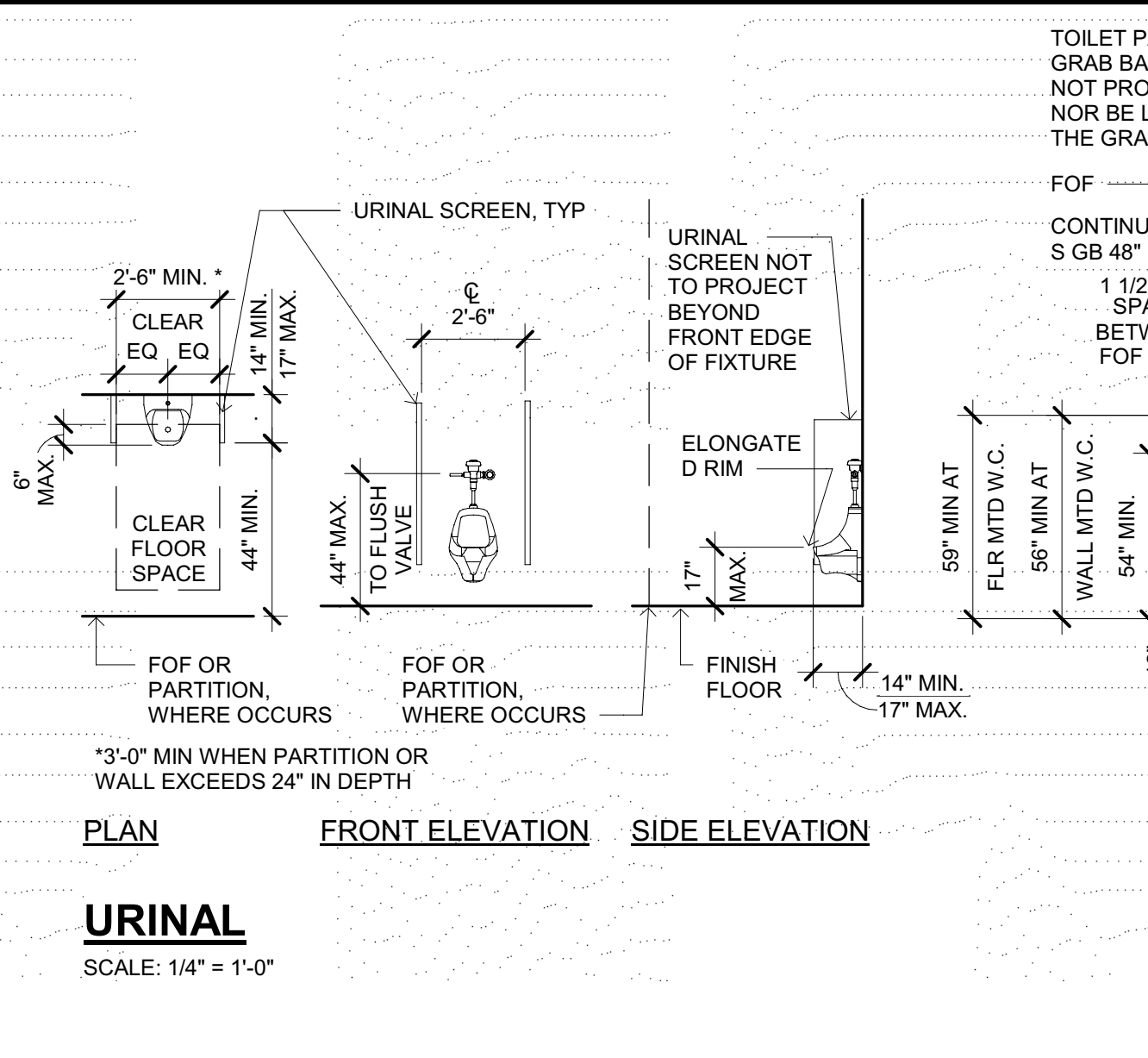
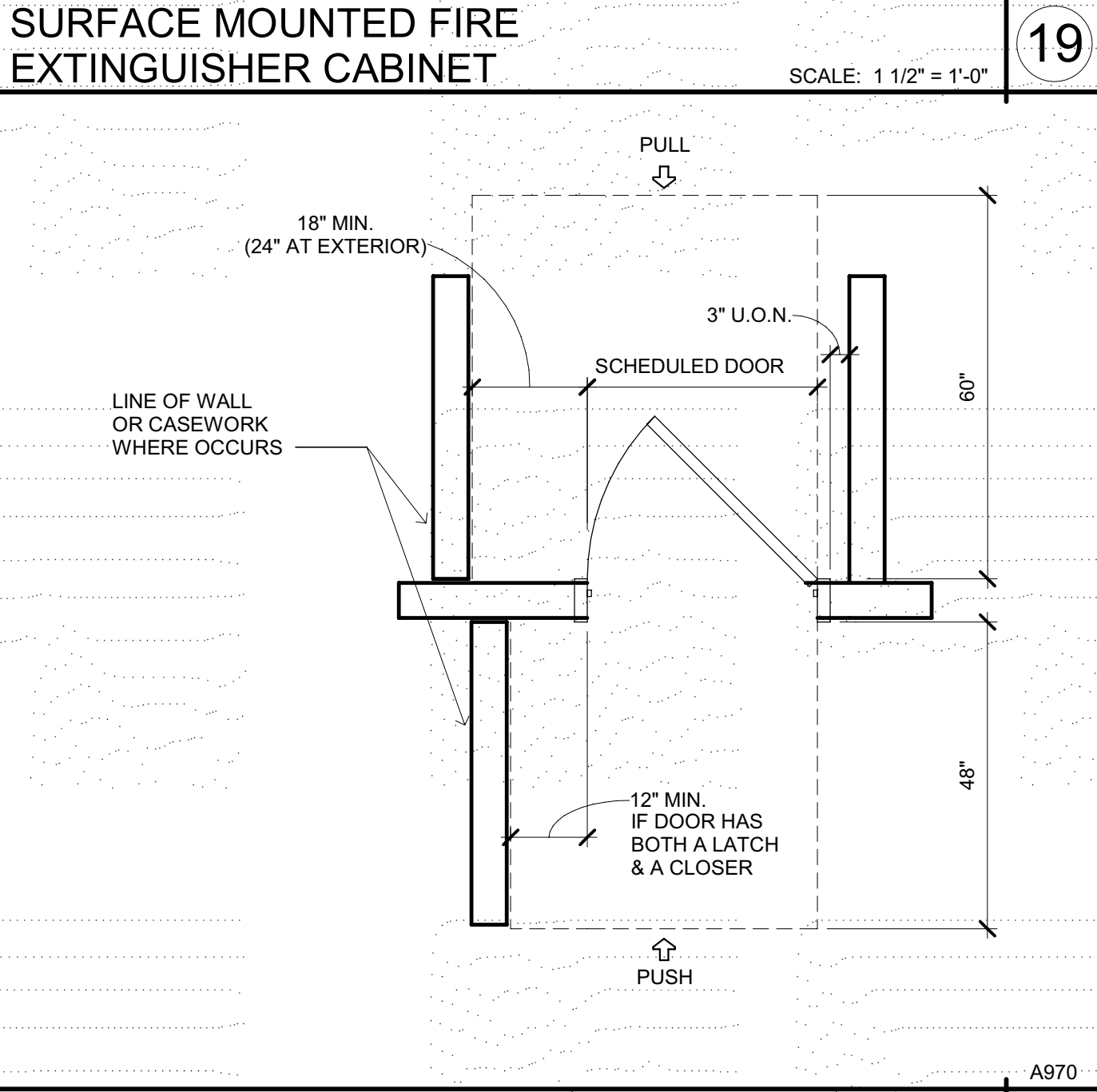
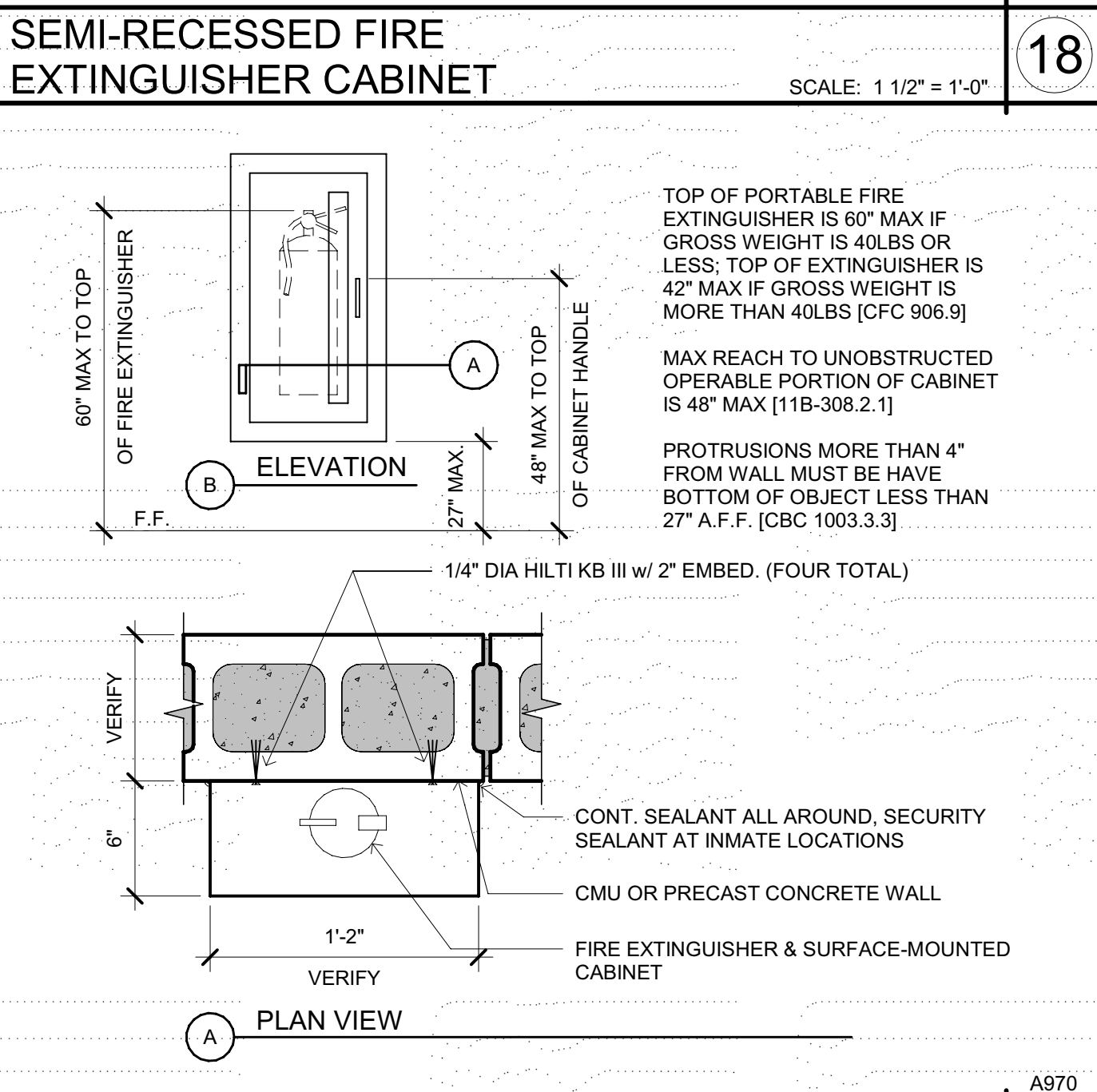
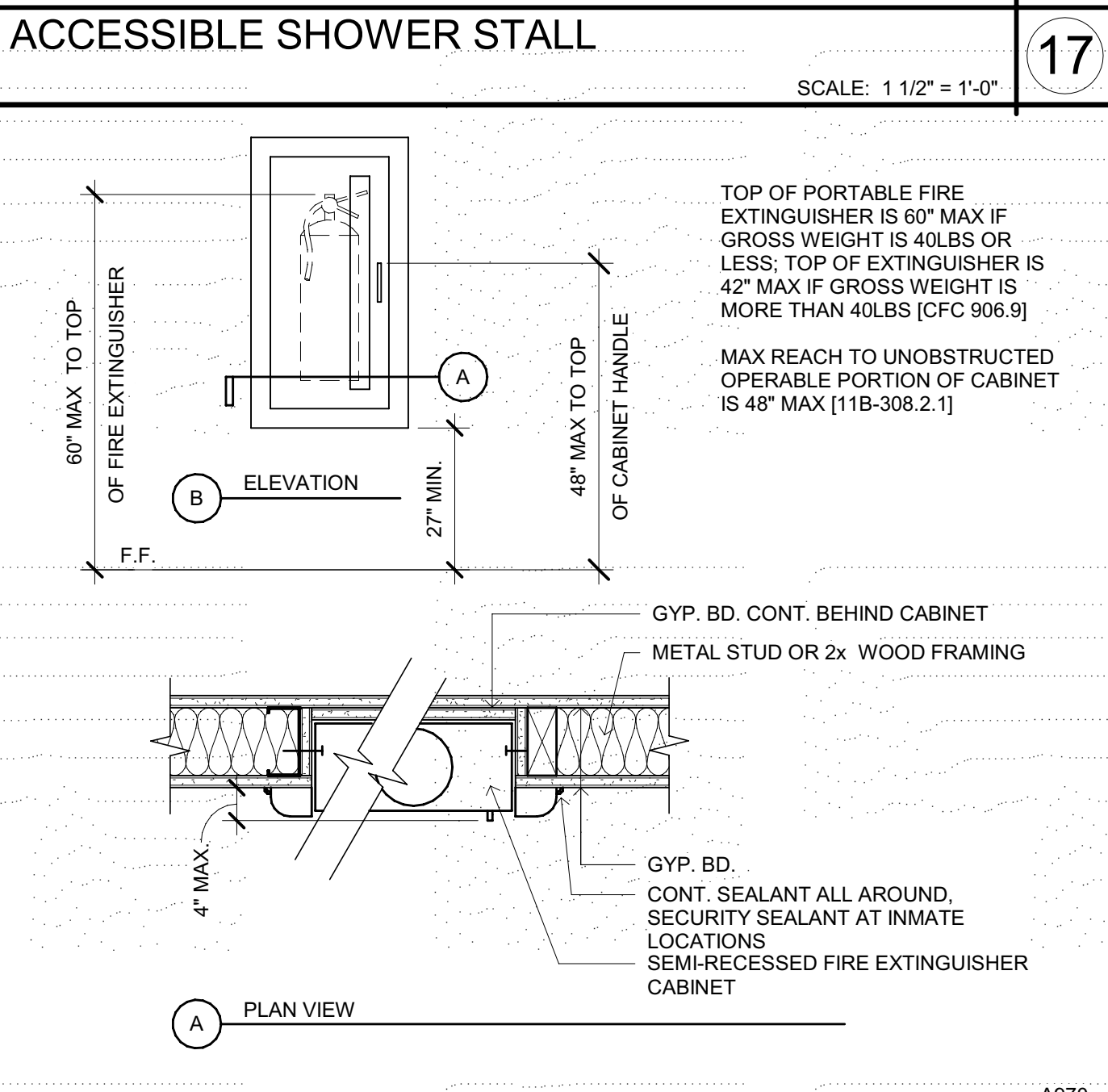
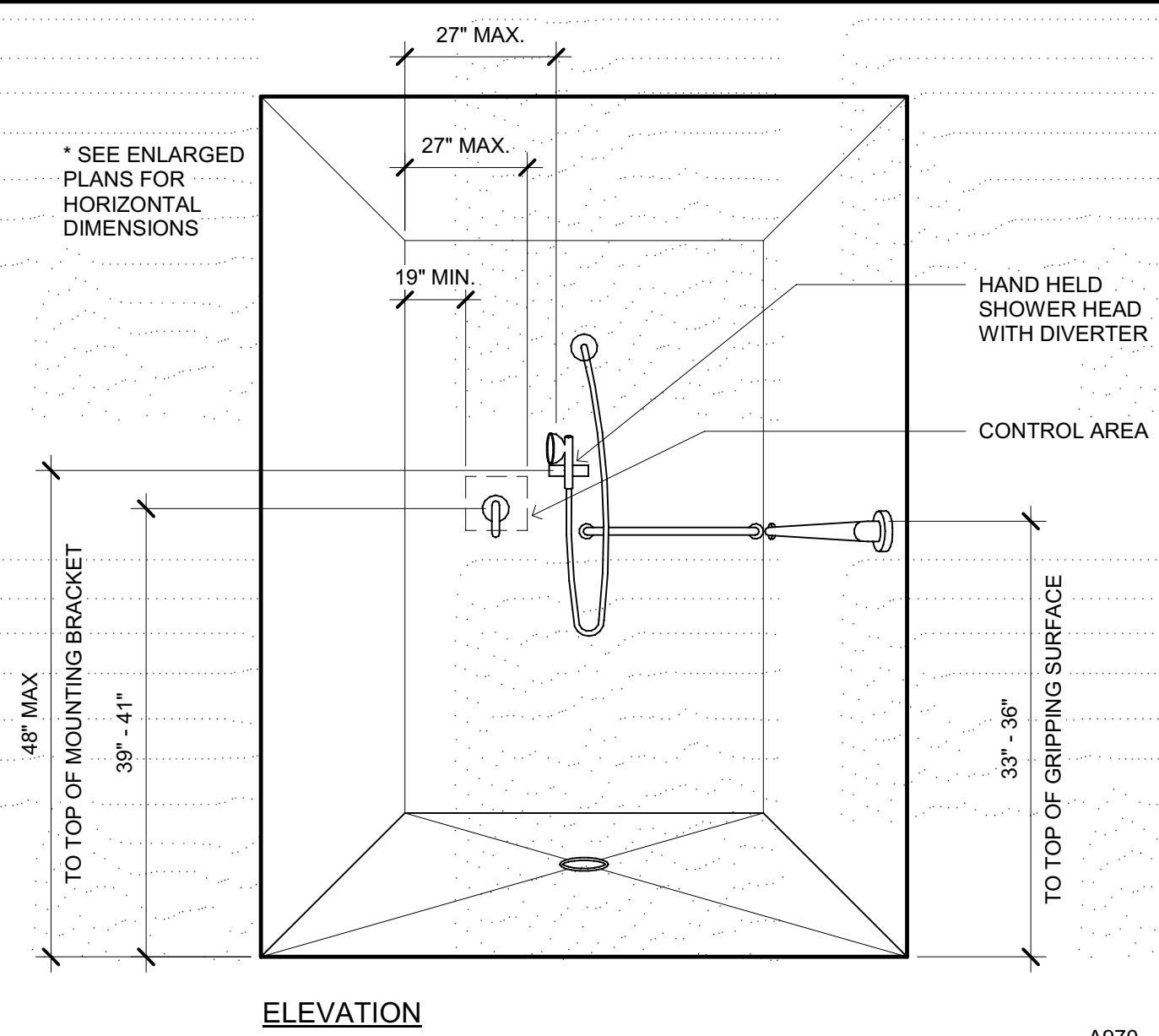
REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A962 V4**

Plot Date: 09/20/2022 1:39:00 PM  
File Name: 16-6421.00-Informaco Co. Connections Re-Entry Resources Ctr.A. NICR-Re-Entry.rvt





**GENERAL NOTES**

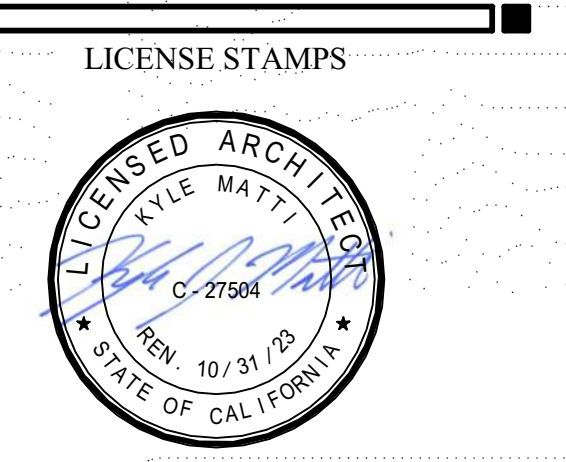
- ACCESSIBLE TOILET COMPARTMENT DOORS ARE TO BE EQUIPPED WITH LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. 2019 CBC 11B-604.8.1.2
- CONTROLS FOR WATER CLOSETS, URINALS, SHOWERS AND LAVATORIES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE. 2019 CBC 11B-309.4
- ALL DIMENSIONS ARE CLEAR DIMENSIONS FROM EDGE OF FIXTURE OR FACE OF FINISH.
- GENERAL CONTRACTOR TO PROVIDE STRUCTURAL SUPPORT AND/OR METAL REINFORCEMENT IN STUD WALLS AT ALL CASEWORK, CABINETS, SHELVING, EQUIPMENT, ET CETERA. REFER TO DETAIL.
- ALL RECESSED SPECIALTIES SHOWN ON ELEVATIONS THAT ARE LOCATED IN FIRE RATED WALLS ARE TO BE 5-SIDED WITH 5/8" TYPE 'X' GYP BOARD SIMILAR TO DETAIL.
- DIMENSIONS FOR MOUNTING HEIGHTS OF SOAP DISPENSERS AND PAPER TOWEL DISPENSERS SHALL NOT APPLY AT LOCATIONS WHERE THEY ARE SHOWN MOUNTED OVER COUNTERTOPS.
- TOILET ACCESSORIES SHALL NOT PROJECT INTO CLEAR SPACES.
- ACCESSIBLE DRINKING FOUNTAIN TO HAVE SPOUT LOCATED WITHIN 5" OF THE FRONT OF THE DRINKING FOUNTAIN. 15" MINIMUM FROM VERTICAL SUPPORT, AND WITHIN 36" OF THE FLOOR WITH THE WATER STREAM SUBSTANTIALLY PARALLEL TO THE FRONT EDGE OF THE FOUNTAIN. THE DRINKING FOUNTAIN SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH SO AS TO ALLOW THE INSERTION OF A CUP OR GLASS UNDER THE FLOW OF WATER. 2019 CBC 11B-602.5 & 11B-602.6
- ACCESSIBLE DRINKING FOUNTAIN KNEE CLEARANCE BETWEEN THE BOTTOM OF THE APRON AND THE FLOOR OR GROUND SHALL BE NOT LESS THAN 27" IN HEIGHT, 30" IN WIDTH, AND 8" IN DEPTH. WITH THE DEPTH MEASUREMENTS BEING TAKEN FROM THE FRONT EDGE OF THE FOUNTAIN BACK TOWARD THE WALL. THE KNEE CLEARANCE SPACE MUST BE FREE OF EQUIPMENT OR OBSTRUCTIONS. ADDITIONALLY, THERE SHALL BE TOE CLEARANCE OF 9" IN HEIGHT ABOVE THE FLOOR AND 17" IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN. THE TOE CLEARANCE SPACE MUST BE FREE OF EQUIPMENT OR OBSTRUCTIONS. A CLEAR FLOOR SPACE AT LEAST 30" BY 48" SHALL BE PROVIDED IN FRONT OF THE DRINKING FOUNTAIN TO ALLOW FORWARD APPROACH AND BE CENTERED ON THE "LOW" FOUNTAIN FIXTURE. 2019 CBC 11B-602.2
- FAUCET CONTROLS AND OPERATING MECHANISMS AT COMMON-USE KITCHEN SINK AREAS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE. 2019 CBC 11B-309.4
- AT LEAST ONE OF EACH TYPE OF STORAGE FACILITY (CABINET, SHELVES, CLOSETS OR DRAWERS) SHALL COMPLY WITH CBC SECTION 11B-225 BY HAVING THE FOLLOWING: A CLEAR FLOOR SPACE AT LEAST 30" BY 48" THAT ALLOWS EITHER A FORWARD OR PARALLEL APPROACH SHALL BE PROVIDED; SHALL BE WITHIN AT LEAST ONE OF THE REACH RANGES SPECIFIED IN CBC SECTIONS 11B-308, HAVING HARDWARE COMPLYING WITH CBC SECTION 11B-309.4 SUCH AS TOUCH LATCHES OR U-SHAPED PULLS.



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NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
LIONAKIS CONSULTANTS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**ACCESSIBILITY & MISCELLANEOUS DETAILS**

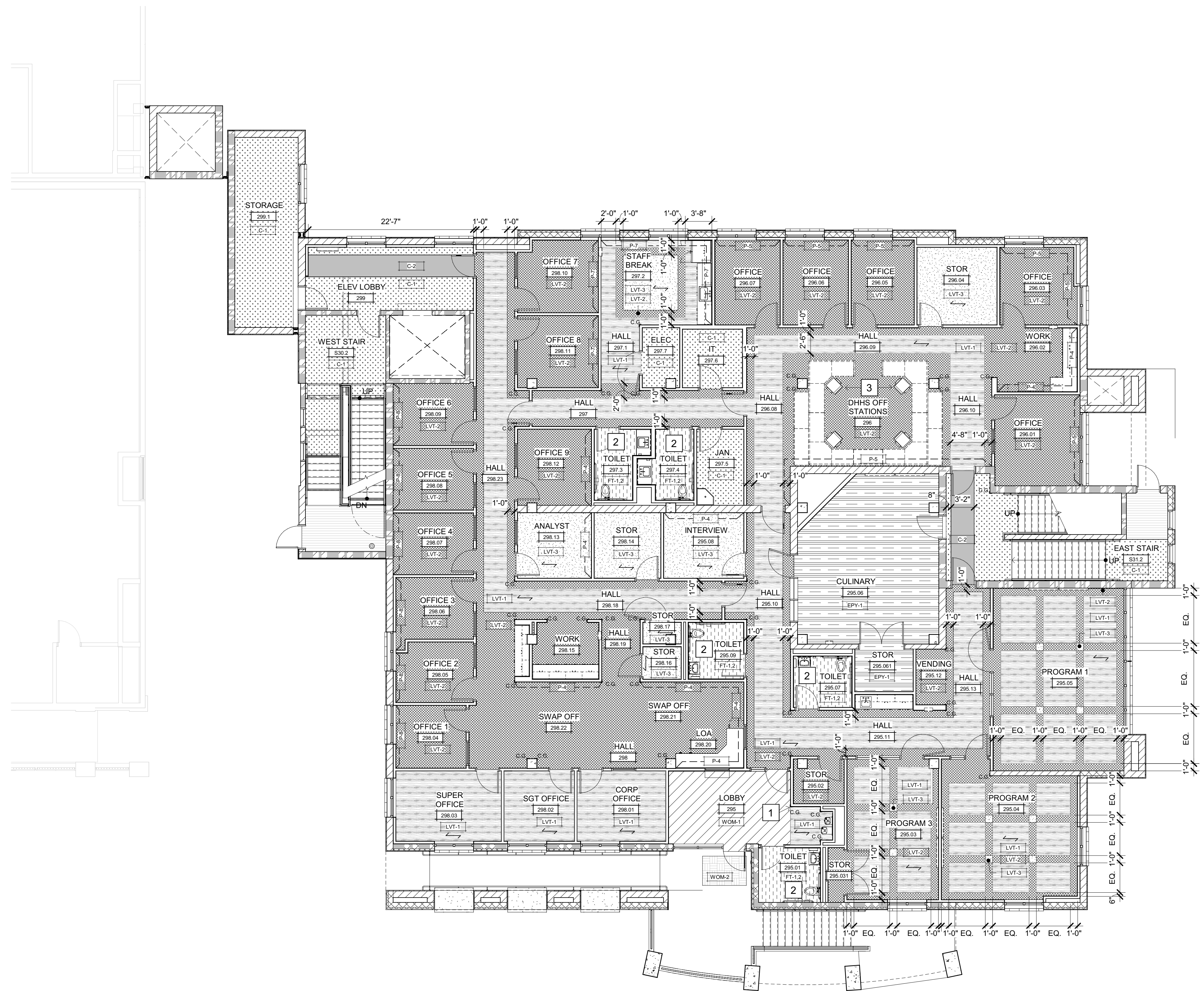
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	KMA
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**A970 V4**



**FLOOR PLAN LEVEL 2**  
 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- 1 ALIGN WITH CORNER
- 2 SEE FLOOR TILE DETAIL 9.10/A962 FOR PATTERN
- 3 FURNITURE SHOWN DASHED OFO
- 4 TYP. DIMENSION EACH SIDE

**LEGEND**

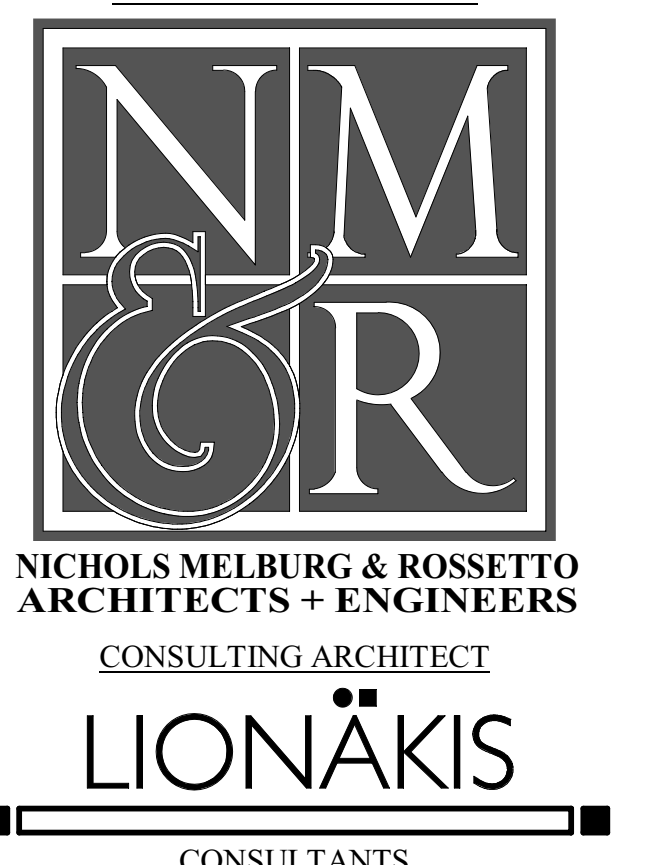
- FINISH TAG (SEE FINISH SCHEDULE FOR ALL FINISH LOCATIONS)
- LOCATION OF ACCENT WALL FINISH
- PATTERN OF C-1
- PATTERN OF C-2
- PATTERN OF C-3
- PATTERN OF C-4
- PATTERN OF EPV-1
- PATTERN OF EPV-2
- PATTERN OF FT-1.2 - SEE DETAIL 9/A962 FOR TILE PATTERN
- PATTERN OF LVT-1
- PATTERN OF LVT-2
- PATTERN OF LVT-3
- PATTERN OF WOM-1
- PATTERN OF WOM-2
- PATTERN OF CPT-1
- DIRECTION OF FLOORING PATTERN

**GENERAL FINISH NOTES**

- A. NO SUBSTITUTIONS WILL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM ARCHITECT / DESIGNER.
- B. RESILIENT WALL BASE SHALL BE ROLL GOODS IN THE SPECIFIED HEIGHT AND PROFILE.
- C. THIS SHEET TO BE USED IN CONJUNCTION WITH THE FINISH SCHEDULE, FURNISHINGS MANUAL, AND PROJECT MANUAL.
- D. CONTRACTOR SHALL PROVIDE ATTIC STOCK TO OWNER IN INCREMENTS INDICATED IN PROJECT MANUAL FOR ALL PRODUCTS INSTALLED. NOTE INDUSTRY STANDARDS AND MANUFACTURER SPECIFICATIONS FOR INSTALLATION. DO NOT PAINT ANY FACTORY FINISHED ITEMS.
- E. MISCELLANEOUS METAL, I.E. RETURN AND AIR SUPPLY GRILLES, EXPANSION JOINTS, ETC. SHALL BE PAINTED TO MATCH THE ADJACENT WALL SURFACE.
- F. ALL INTERIOR FINISHES SHALL MEET CLASS A FLAME SPREAD RATING OF 25 OR LESS AND SHALL HAVE A SMOKE DEVELOPMENT OF 250 OR LESS.
- G. ALL FLOOR REDUCER / THRESHOLDS SHALL BE LOCATED AT THE CENTER LINE OF DOOR WHEN IN THE CLOSED POSITION AND MEET ACCESSIBILITY REQUIREMENTS.
- H. ALL INTERIOR FLOORING SHALL MEET CLASS I AND CLASS II. CAULK ALL DOORS, FRAMES AND MILLWORK. COLOR TO MATCH ADJACENT SURFACE.
- I. ALL SURFACES TO BE PAINTED SHALL RECEIVE TWO COATS. PREP SURFACE PER PAINT MANUFACTURER'S RECOMMENDATIONS. ALL METAL TRIM AND SASH SHALL RECEIVE TWO COATS OF PAINT OVER MANUFACTURER RECOMMENDED PRIMER COAT. ALL APPLICATIONS SHALL USE MANUFACTURER RECOMMENDED EXTENDER AGENTS IN ORDER TO REDUCE BRUSH MARKS. ALL COLORS SHALL BE AS PER THE FINISH SCHEDULE UNLESS WRITTEN APPROVAL FROM THE ARCHITECT / DESIGNER.
- J. THE WORD "CLEAR" INDICATES CRITICAL DIMENSIONS FOR ACCESSIBILITY EQUIPMENT OR FUNCTIONAL CLEARANCES FROM FACE OF FINISH TO FACE OF FINISH.
- K. THRESHOLDS AT DOORWAYS AND TRANSITION STRIPS SHALL NOT EXCEED 1/2" IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- L. TURN OVER EXISTING FURNITURE TO OWNER IN AREAS WHERE FURNITURE IS REPLACED WITH NEW.
- M. HATCH PATTERNS ON FINISH FLOOR PLANS INDICATE DIRECTION OF FLOORING MATERIALS.
- N. FRAME OF DOOR LITE SHALL BE PAINTED TO MATCH ADJACENT DOOR FINISH.
- O. GROUT JOINT FROM FLOOR TILE TO WALL TILE TO ALIGN WHERE POSSIBLE.



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**LICENSE STAMPS**



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**OVERALL FINISH FLOOR PLAN - LEVEL 2**

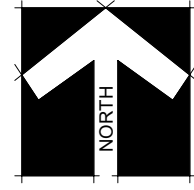
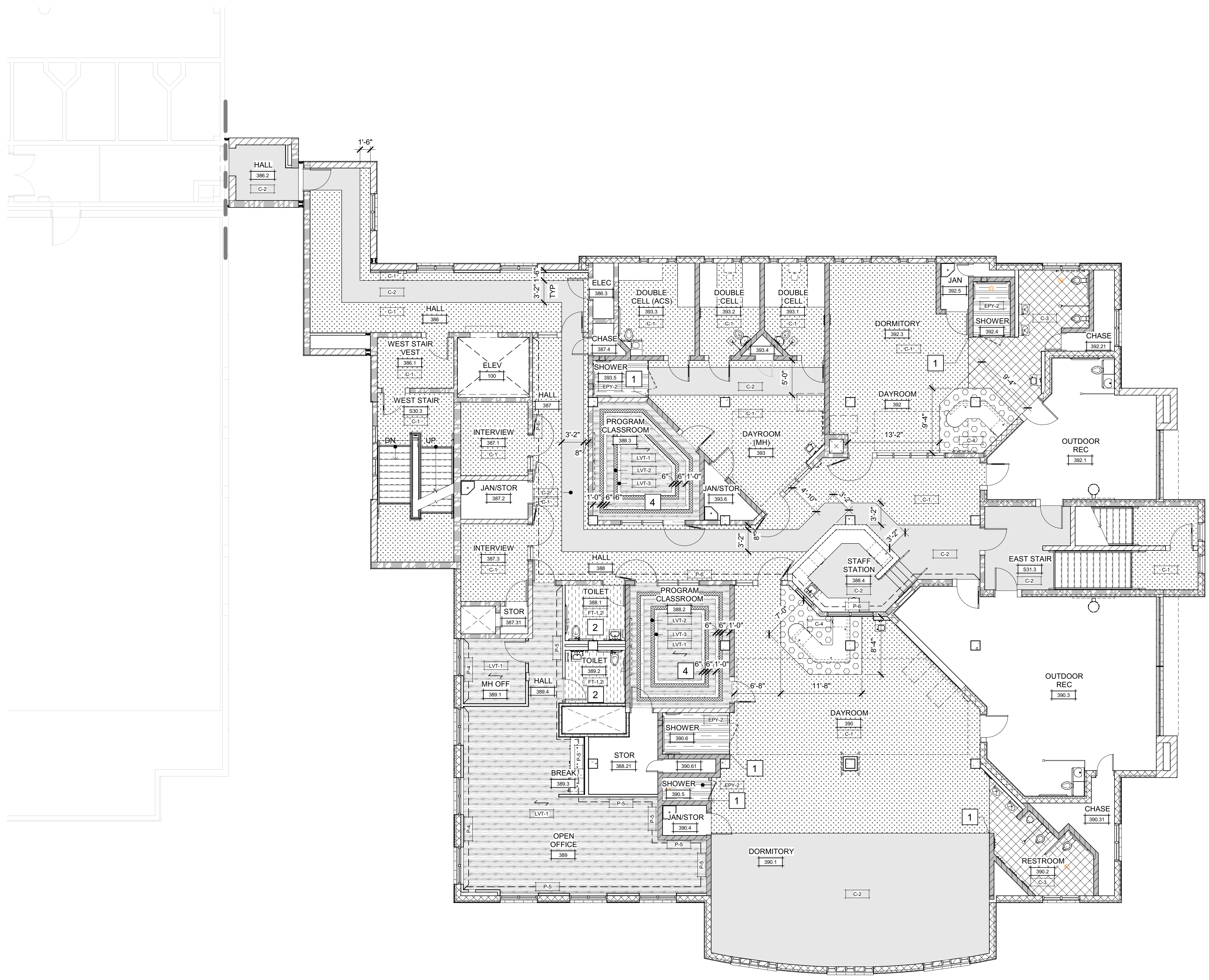
DRAWING STATUS  
**WORKING DRAWINGS**

**REVISIONS**

Delta	Description	Date

Drawn By	KMA
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**ID202 V4**



**FLOOR PLAN LEVEL 3**  
SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- 1 ALIGN WITH CORNER
- 2 SEE FLOOR TILE DETAIL 9.10/A962 FOR PATTERN
- 3 FURNITURE SHOWN DASHED OUT
- 4 TYP. DIMENSION EACH SIDE

**LEGEND**

- FINISH TAG (SEE FINISH SCHEDULE FOR ALL FINISH LOCATIONS)
- LOCATION OF ACCENT WALL FINISH
  - PATTERN OF C-1
  - PATTERN OF C-2
  - PATTERN OF C-3
  - PATTERN OF C-4
  - PATTERN OF EPY-1
  - PATTERN OF EPY-2
  - PATTERN OF FT-1.2 - SEE DETAIL 9/A962 FOR TILE PATTERN
  - PATTERN OF LVT-1
  - PATTERN OF LVT-2
  - PATTERN OF LVT-3
  - PATTERN OF WOM-1
  - PATTERN OF WOM-2
  - PATTERN OF CPT-1
  - DIRECTION OF FLOORING PATTERN

**GENERAL FINISH NOTES**

- A. NO SUBSTITUTIONS WILL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM ARCHITECT / DESIGNER.
- B. RESILIENT WALL BASE SHALL BE ROLL GOODS IN THE SPECIFIED HEIGHT AND PROFILE.
- C. THIS SHEET TO BE USED IN CONJUNCTION WITH THE FINISH SCHEDULE, FURNISHINGS MANUAL, AND PROJECT MANUAL. CONTRACTOR SHALL PROVIDE ATTIC STOCK TO OWNER IN INCREMENTS INDICATED IN PROJECT MANUAL.
- E. FOR ALL PRODUCTS INSTALLED, NOTE INDUSTRY STANDARDS AND MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION. DO NOT PAINT ANY FACTORY FINISHED ITEMS.
- F. MISCELLANEOUS METAL, I.E. RETURN AND AIR SUPPLY GRILLES, EXPANSION JOINTS, ETC. SHALL BE PAINTED TO MATCH THE ADJACENT WALL SURFACE.
- H. ALL INTERIOR FINISHES SHALL MEET CLASS A FLAME SPREAD RATING OF 25 OR LESS AND SHALL HAVE A SMOKE DEVELOPMENT OF 250 OR LESS.
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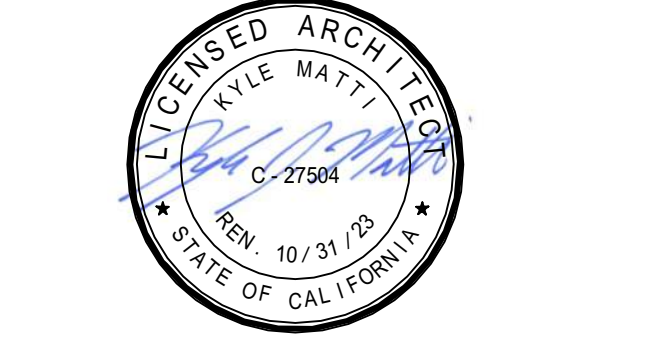


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**NICHOLS MELBURG & ROSSETTO**  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS

**LICENSE STAMPS**



PROJECT NAME  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**OVERALL FINISH FLOOR**  
**PLAN - LEVEL 3**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	KMA
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

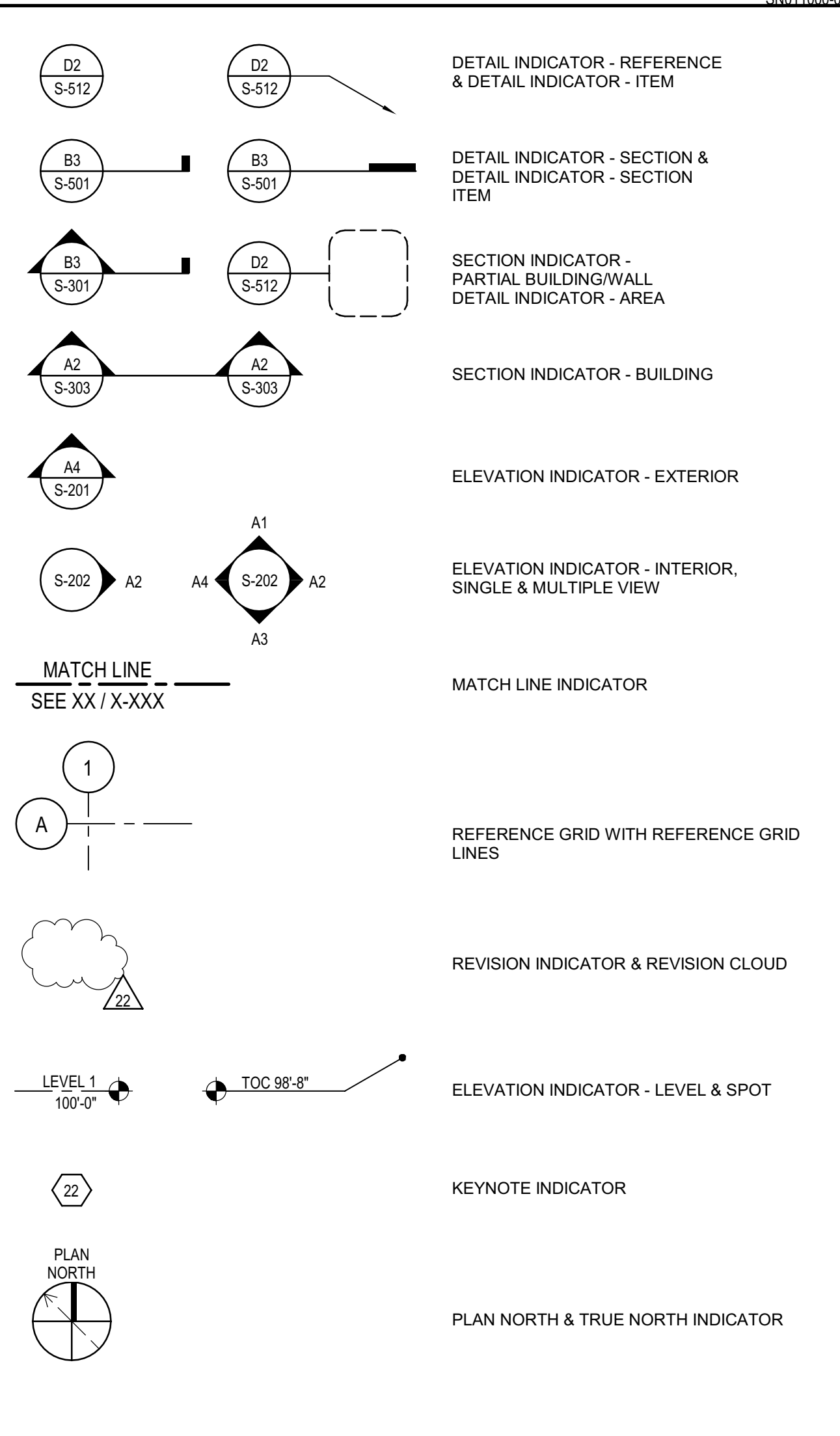
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**ID203 V4**

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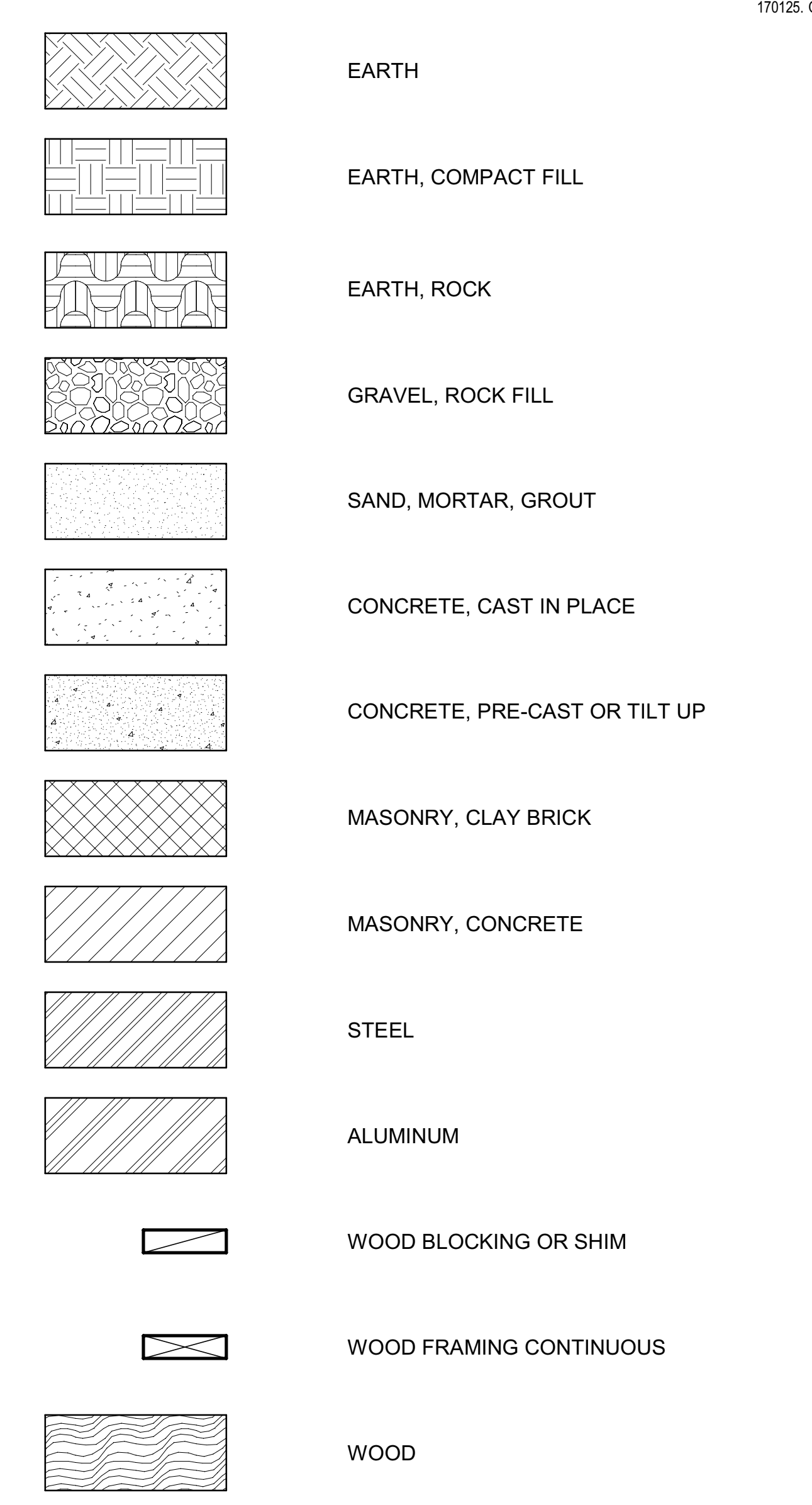
STRUCTURAL ABBREVIATIONS LEGEND

Table with 3 columns: Abbreviation, Description, and Full Name. Includes entries for AND, INTERIOR, INSIDE RADIUS, JOIST HANGER, JOINT, ANGLE, LONG LENGTH, LIVE LOAD, LONG LEG HORIZONTAL, LONG LEG VERTICAL, LONGITUDINAL, LAG SCREW, LIGHT WEIGHT CONCRETE, MAXIMUM, MACHINE BOLT, MISCELLANEOUS CHANNEL, MASONRY CONTROL JOINT, MASONRY DOWEL JOINT, MASONRY EXPANSION JOINT, MECHANICAL, MANUFACTURER, MIDDLE STRIP, MINIMUM, MISCELLANEOUS, MASONRY KEY JOINT, MASONRY RAKE JOINT, NOT APPLICABLE, NEAR FACE, NIC NOT IN CONTRACT, NOT TO SCALE, NORMAL WEIGHT CONCRETE, OVER, ON CENTER, OUTSIDE DIAMETER, OPPOSITE HAND, OPENING, OPPOSITE, OUTSIDE RADIUS, POWER ACTUATED FASTENER, PRECAST CONCRETE, POUNDS PER CUBIC FOOT, PARTIAL JOINT PENETRATION, PLATE, PROPERTY LINE, POUNDS PER LINEAR FOOT, PREFABRICATE, POUNDS PER SQUARE FOOT, POUNDS PER SQUARE INCH, PRESERVATIVE TREATED WOOD, QUANTITY, RADIUS, RISER, REINFORCING STEEL BAR, REINFORCE, REINFORCING, REQUIRE, REQUIRED, ROUND, ROUGH OPENING, ROUGH SAWN, REDWOOD, SPACED, SPACING, SPLICE, STEP, SEE ARCHITECTURAL DRAWINGS, SCHEDULE, SELF-DRILLING SELF-TAPPING, STRUCTURAL ENGINEER, SECTION, SEISMIC FORCE RESISTING SYSTEM, SHEATHING, SIMILAR, SHRINKAGE JOINT, SNOW LOAD, STRUCTURAL PANEL, SPECIFICATION, SQUARE, STAINLESS STEEL, STAGGERED, STANDARD, STIFFENER, STIRRUP, STEEL, STRUCTURAL, SYMMETRICAL, TREAD, THICKNESS, TOP & BOTTOM, TONGUE & GROOVE, THICKNESS, THROUGH, TOOL JOINT, TOE NAIL, TOP OF BEAM, TOP OF CURB/CONCRETE, TOP OF FRAMING/FOOTING/FLOOR, TOP OF JOIST, TOP OF MASONRY, TOP OF PARAPET, TOP OF STEEL, TOP OF STRUCTURAL PANEL, TOP OF TRUSS, TOP OF WALL, TUBE STEEL, TYPICAL, UNDERLAYER, UNLESS NOTED OTHERWISE, UNLESS OTHERWISE NOTED, VERTICAL, VERIFY IN FIELD, VAPOR RETARDER, WIDE, WIDTH, WELD, W-SHAPE, WITH, WITHOUT, WITHOUT FLANGE, WELDED HEADED STUD, WIND LOAD, WHERE OCCURS, WORKING POINT, WEIGHT, W TEE-SHAPE, WELDED THREADED STUD, WELDED WIRE REINFORCEMENT, EXTRA STRONG, DOUBLE EXTRA STRONG.

STRUCTURAL SYMBOLS LEGEND



MATERIAL SYMBOL LEGEND



STRUCTURAL GENERAL NOTES

- 1. THE STRUCTURAL NOTES AND TYPICAL DETAILS, WHETHER SPECIFICALLY REFERENCED OR NOT, ARE GENERAL AND APPLY TO ALL CONSTRUCTION DOCUMENTS. PROVIDE ALL STRUCTURAL ELEMENTS INDICATED IN THE STRUCTURAL NOTES AND TYPICAL DETAILS AS REQUIRED TO CONFORM TO THE FINISHED PROJECT AS INDICATED IN OTHER CONSTRUCTION DOCUMENTS. PROVIDE ALL STRUCTURAL ELEMENTS INDICATED IN OTHER CONSTRUCTION DOCUMENTS. STRUCTURAL CONSTRUCTION DOCUMENTS SHALL BE USED IN CONJUNCTION WITH ALL OTHER CONSTRUCTION DOCUMENTS. SEE OTHER CONSTRUCTION DOCUMENTS FOR COMPLETE PROJECT REQUIREMENTS.
2. REFERENCES TO CONSTRUCTION DOCUMENTS ARE TO THE ENFORCEMENT AGENCY APPROVED DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. SUPPLEMENTAL DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ADDENDA, REVISED DRAWINGS, FIELD INSTRUCTIONS AND MODIFICATIONS PRODUCED FOR THIS PROJECT SHALL ALSO BE CONSIDERED A CONSTRUCTION DOCUMENT. ALL REQUIREMENTS OF THE INITIALLY APPROVED CONSTRUCTION DOCUMENTS SHALL APPLY TO ANY SUPPLEMENTAL DOCUMENTS.
3. WHERE THE CONSTRUCTION DOCUMENTS INDICATE TO NOTIFY THE STRUCTURAL ENGINEER, SUCH NOTIFICATION SHALL BE SUBMITTED IN WRITING WITH SUFFICIENT ALLOWANCE FOR A REASONABLE TIME PERIOD FOR REVIEW. ENFORCEMENT AGENCY APPROVAL IS REQUIRED AND WRITTEN RESPONSE SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. OBTAIN WRITTEN RESPONSE BEFORE PROCEEDING WITH THE AFFECTED WORK.
4. CAREFULLY EXAMINE THE CONSTRUCTION DOCUMENTS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WITHIN THE STRUCTURAL CONSTRUCTION DOCUMENTS AND BETWEEN ALL OTHER CONSTRUCTION DOCUMENTS. DEVIATIONS SHALL NOT BE MADE TO THE REQUIREMENTS INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS.
5. PORTIONS OF THESE CONSTRUCTION DOCUMENTS ARE DIAGRAMMATIC ONLY. ITEMS INCLUDING, BUT NOT LIMITED TO, LOCATIONS, SIZES, QUANTITIES, ACCESSORIES AND CONNECTIONS ARE TO BE SHOWN IN A MANNER AND MAY NOT BE COMPLETELY SHOWN. PROVIDE ALL WORK AND MATERIALS NECESSARY TO COMPLETE THE PROJECT AS REPRESENTED IN THE CONSTRUCTION DOCUMENTS.
6. DIMENSIONS AND ELEVATIONS INDICATED ARE FOR STRUCTURAL ELEMENTS ONLY. ELEVATIONS SHOWN ARE BASED ON A REFERENCE ELEVATION. COORDINATE REFERENCE ELEVATIONS WITH ARCHITECTURAL DRAWINGS. COORDINATE WITH ALL OTHER CONSTRUCTION DOCUMENTS FOR DIMENSIONS AND ELEVATIONS NOT INDICATED ON THE STRUCTURAL CONSTRUCTION DOCUMENTS. DO NOT SCALE DRAWINGS.
7. CONSTRUCTION SHALL COMPLY WITH ALL BUILDING, HEALTH AND SAFETY STANDARDS, CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. NOTHING IN THE CONSTRUCTION DOCUMENTS SHALL BE INTERPRETED TO PERMIT WORK NOT CONFORMING TO THE STANDARDS, CODES AND REGULATIONS.
8. REFERENCES TO STANDARDS, CODES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, ICC, IBC, CBC, ACI, ASTM, ASCE, ANSI, AWS, AISI, AISC AND AISC SHALL BE TO THE LATEST EDITION AS ADOPTED BY THE ENFORCEMENT AGENCY.
9. FEATURES OF CONSTRUCTION INDICATED ARE TYPICAL. WHERE FEATURES ARE NOT FULLY OR INDICATED BY THE CONSTRUCTION DOCUMENTS, THE CONSTRUCTION SHALL BE AS INDICATED FOR IDENTICAL OR SIMILAR FEATURES WHERE IN THE CONSTRUCTION DOCUMENTS. IF ANY CONDITIONS REQUIRE CONSTRUCTION DIFFERENT THAN THAT INDICATED ON THE CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER.
10. STRUCTURAL ELEMENTS SHALL NOT BE REMOVED OR MODIFIED UNLESS INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS. IF STRUCTURAL ELEMENTS INTERFERE WITH THE WORK INDICATED IN ANY OTHER CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER.
11. THE CONSTRUCTION DOCUMENTS AND THE DESIGNS INCORPORATED THEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT.
12. STRUCTURAL ELEMENTS REPRESENTED IN THE CONSTRUCTION DOCUMENTS ARE INDICATED IN THEIR COMPLETED STATE. THE CONSTRUCTION DOCUMENTS DO NOT INDICATE MEANS, METHODS OR SEQUENCES OF CONSTRUCTION UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE ALL MEASURES NECESSARY AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY AND TO ASSURE THE CORRECT AND ACCURATE STRUCTURE GEOMETRY AND STABILITY DURING CONSTRUCTION. MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, PROVIDING ADEQUATE FORMING, SHORING AND BRACING. MEASURES SHALL REMAIN IN PLACE UNTIL THE STRUCTURE IS CAPABLE OF SUPPORTING ALL LOADS. PROVIDE ALL MEASURES NECESSARY AS REQUIRED TO PREVENT OVERLOADING, EXCESSIVE MOVEMENT AND DAMAGE TO ANY PART OR PARTS OF THE STRUCTURE.
13. PROTECT ALL ELEMENTS, WHETHER CONCEALED OR NOT, INCLUDING, BUT NOT LIMITED TO, PROPERTIES, STRUCTURES, FINISHES, STREETS, LANDSCAPING AND UTILITIES ADJACENT TO OR ON THIS SITE DURING THE CONSTRUCTION OF THIS PROJECT. SHOULD DAMAGE OCCUR TO ANY ELEMENTS, THEY SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. CONTROL ITEMS SUCH AS, BUT NOT LIMITED TO, DUST, DIRT, WATER, FUMES, SMOKE, TRASH AND VIBRATION CREATED AS A RESULT OF ANY OPERATIONS DURING CONSTRUCTION IN CONFORMANCE WITH APPLICABLE STANDARDS, CODES AND REGULATIONS.
14. STRUCTURAL DESIGN LOADS, STRENGTHS, CAPACITIES AND CRITERIA INDICATED ON THE CONSTRUCTION DOCUMENTS ARE FOR THE COMPLETED STRUCTURE ONLY. THE USE OF ANY PART OR PARTS OF THE INCOMPLETE OR UNCOMPLETED STRUCTURE FOR THE SUPPORT OF CONSTRUCTION ITEMS INCLUDING, BUT NOT LIMITED TO, OTHER PORTIONS OF THE STRUCTURE, PERSONNEL, MATERIALS AND EQUIPMENT IS LIMITED TO THE SAFE CAPACITY OF THE STRUCTURE AT THE TIME IT IS TO BE USED FOR SUCH SUPPORT. PROVIDE ALL MEASURES NECESSARY AS REQUIRED TO PREVENT OVERLOADING, EXCESSIVE MOVEMENT AND DAMAGE TO ANY PART OR PARTS OF THE STRUCTURE.
15. IF SUBSTITUTIONS ARE REQUESTED FOR STRUCTURAL ELEMENTS INDICATED IN THE CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER. SUBMIT DATA AND DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, COMPARATIVE QUALITY, SUITABILITY, PERFORMANCE, STRUCTURAL CAPACITY, ICC APPROVAL AND ENFORCEMENT AGENCY ACCEPTABILITY SUBSTANTIATING THE COMPLETE COMPLIANCE OF EACH PROPOSED SUBSTITUTION WITH THE CONSTRUCTION DOCUMENTS. ONLY ONE REQUEST FOR SUBSTITUTION WILL BE ALLOWED FOR EACH STRUCTURAL ELEMENT. SUBSTITUTIONS WILL NOT BE CONSIDERED WHEN SUBMITTALS ARE INCOMPLETE OR ACCEPTANCE WOULD REQUIRE REVISIONS TO THE CONSTRUCTION DOCUMENTS. PROVIDE OWNER REIMBURSEMENT FOR SERVICES REQUIRED TO OBTAIN ENFORCEMENT AGENCY APPROVAL OF SUBSTITUTIONS. IF A PROPOSED SUBSTITUTION SUBMITTAL IS NOT COMPLETE, NOT ACCEPTABLE TO THE STRUCTURAL ENGINEER, OR NOT APPROVED BY THE ENFORCEMENT AGENCY, THE SPECIFIED ITEM AS INDICATED IN THE CONSTRUCTION DOCUMENTS, THE STRUCTURAL ENGINEER WILL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF THE PROPOSED SUBSTITUTION VERSUS THE SPECIFIED ITEM. ACCEPTANCE OF A SUBSTITUTION SHALL NOT BE CONSIDERED TO PERMIT WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.
16. SCHEDULES, LEGENDS, ABBREVIATIONS, TYPICAL NOTES AND TYPICAL DETAILS ON THE STRUCTURAL CONSTRUCTION DOCUMENTS MAY REFERENCE STRUCTURAL ELEMENTS OR REQUIREMENTS NOT SPECIFICALLY INDICATED OR REQUIRED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.
17. THE STRUCTURAL CONSTRUCTION DOCUMENTS ARE NOT COMPLETE AND READY FOR CONSTRUCTION UNTIL THEY ARE APPROVED BY THE ENFORCEMENT AGENCY AND SIGNED BY THE STRUCTURAL ENGINEER.

EXISTING CONSTRUCTION

- 1. CAREFULLY EXAMINE THE CONSTRUCTION DOCUMENTS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WITHIN THE STRUCTURAL CONSTRUCTION DOCUMENTS AND BETWEEN ALL OTHER CONSTRUCTION DOCUMENTS AND THE EXISTING CONSTRUCTION.
2. EXISTING CONSTRUCTION INDICATED IN THE CONSTRUCTION DOCUMENTS IS BASED UPON INFORMATION SHOWN ON AVAILABLE EXISTING DRAWINGS AND/OR LIMITED VISUAL OBSERVATIONS. THE EXISTING CONSTRUCTION MAY VARY FROM THAT INDICATED ON THE CONSTRUCTION DOCUMENTS. PROVIDE ALL WORK AND MATERIALS NECESSARY TO COMPLETE THE PROJECT AS REPRESENTED IN THE CONSTRUCTION DOCUMENTS.
3. VERIFY ALL DIMENSIONS AND ELEVATIONS OF THE EXISTING CONSTRUCTION PRIOR TO STARTING CONSTRUCTION OR FABRICATION. DO NOT SCALE EXISTING DRAWINGS.
4. PROVIDE AND MAINTAIN A COMPLETE AND LEGIBLE COPY OF THE EXISTING CONSTRUCTION DOCUMENTS AND MAKE THEM AVAILABLE FOR USE ON THE JOB SITE.
5. EXISTING STRUCTURAL ELEMENTS SHALL NOT BE REMOVED OR MODIFIED UNLESS INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS. IF EXISTING STRUCTURAL ELEMENTS INTERFERE WITH THE WORK INDICATED IN ANY CONSTRUCTION DOCUMENT, OR IF UNCERTAIN THAT AN ELEMENT IS STRUCTURAL, NOTIFY THE STRUCTURAL ENGINEER.
6. PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF THE EXISTING STRUCTURE AND SITE DURING DEMOLITION AND CONSTRUCTION. MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, PROVIDING ADEQUATE SHORING, BRACING, WEATHER PROTECTION AND DUST PROTECTION. THE REMOVAL OR MODIFICATION OF EXISTING STRUCTURAL ELEMENTS SHALL BE PERFORMED IN A MANNER TO PREVENT DAMAGE TO THOSE ELEMENTS TO REMAIN. SHOULD DAMAGE OCCUR TO ANY EXISTING ELEMENTS, THEY SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
7. EXISTING FOUNDATIONS THAT MAY BE AFFECTED BY ANY EXCAVATIONS REQUIRED FOR THIS PROJECT SHALL BE UNDERPINNED, SHORED OR SUPPORTED ADEQUATELY TO PREVENT SETTLEMENT AND LATERAL MOVEMENT.
8. IF EXISTING STRUCTURAL ELEMENTS NOT INDICATED FOR REPLACEMENT OR REPAIR ARE DISCOVERED TO BE DAMAGED OR DIFFERENT THAN INDICATED ON THE CONSTRUCTION DOCUMENTS, NOTIFY THE STRUCTURAL ENGINEER. SUCH DAMAGE OR DIFFERENCE SHALL INCLUDE, BUT NOT BE LIMITED TO, DRY-ROTT, WATER DAMAGE, INSECT DAMAGE, POOR WORKMANSHIP OR UP-BUCKLING, EXCESSIVE DEFLECTION, TWISTING, WARPING, AND DIFFERENT SIZE, ORIENTATION, GRADE, QUALITY OR MATERIAL.
9. WHEN DRILLING/CORING HOLES AT EXISTING CONCRETE OR MASONRY, DO NOT DAMAGE EXISTING REINFORCING (REBAR OR PRE/POST-TENSIONED STRANDS) UNLESS SPECIFICALLY NOTED OTHERWISE. LOCATE ALL EXISTING REINFORCING AT AFFECTED AREAS USING NON-DESTRUCTIVE MEANS PRIOR TO DRILLING/CORING HOLES. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN THE REINFORCEMENT AND THE HOLE.
10. WHEN SAW-CUTTING EXISTING STRUCTURAL ELEMENTS, DO NOT OVERCUT. INTERSECTING SAW-CUTS SHALL NOT OVERLAP. SAW-CUTS MAY INTERSECT AT SMALL DIAMETER CORED/DRILLED HOLES. SAW-CUTS SHALL BE TANGENT TO AND SHALL NOT EXTEND BEYOND CORED/DRILLED HOLES. CAREFULLY REMOVE REMAINING MATERIAL TO EDGE OF SAW-CUT LINE.
11. ALL CONSTRUCTION INDICATED IS NEW UNLESS SPECIFICALLY DENOTED AS EXISTING.

STRUCTURAL DESIGN CRITERIA

BUILDING CODE: 2019 CBC
ENFORCEMENT AGENCY: OFFICE OF THE STATE FIRE MARSHAL
A. VERTICAL DESIGN CRITERIA (UNLESS OTHERWISE SHOWN OR NOTED)
ROOF LIVE LOADS:
- TYP ROOF AREA: 20 PSF (REDUCIBLE)
- MECHANICAL & ELECTRICAL AREA: 50 PSF (NON-REDUCIBLE)
FLOOR LIVE LOADS:
- OFFICE/CLASSROOMS (W/ 15 PSF PARTITION LL): 50 PSF (REDUCIBLE)
- CORRIDORS ABOVE FIRST FLOOR: 80 PSF (REDUCIBLE)
- FIRST FLOOR CORRIDORS: 100 PSF (REDUCIBLE)
- STAIRS & EXITS: 100 PSF (REDUCIBLE)
- ASSEMBLY AREAS: 100 PSF (NON-REDUCIBLE)
- MECHANICAL & ELECTRICAL EQUIPMENT AREA: 50 PSF (NON-REDUCIBLE)
- LIGHT STORAGE: 125 PSF (NON-REDUCIBLE)
- HEAVY STORAGE: 250 PSF (NON-REDUCIBLE)
GROUND SNOW LOAD: 0 PSF
B. LATERAL DESIGN CRITERIA
SEISMIC SITE CRITERIA: SS=2.80, S1=1.09, SDS=1.87, SD1=1.23, SITE CLASS: D
BUILDING CRITERIA: SEISMIC:
- RISK CATEGORY= III
- IMPORTANCE FACTOR, I=1.25
- SEISMIC DESIGN CATEGORY = E
- SEISMIC FORCE RESISTING SYSTEM: SPECIAL REINFORCED MASONRY SHEAR WALLS
- RESPONSE MODIFICATION FACTOR, R = 5
- DESIGN BASE SHEAR, V = 2801 KIPS
- SEISMIC RESPONSE COEFFICIENT, C=0.47
- ANALYSIS PROCEDURE: MODAL RESPONSE SPECTRUM ANALYSIS
- HORIZONTAL IRREGULARITIES: TYPE 1A (TORSIONAL), TYPE 2 (REINTEGRANT CORNER), TYPE 4 (OUT-OF-PLANE OFFSET), TYPE 5 (NONPARALLEL)
- VERTICAL IRREGULARITIES: TYPE 4 (IN-PLANE DISCONTINUITY)
BUILDING DISPLACEMENT (AMPLIFIED):
LEVEL INTERSTORY DISPLACEMENT TOTAL DISPLACEMENT
GROUND 0.00 IN 0.00 IN
LEVEL 2 0.11 IN 0.11 IN
LEVEL 3 0.32 IN 0.43 IN
LOW ROOF 0.24 IN 0.67 IN
HIGH ROOF 0.14 IN 0.81 IN
WIND:
ULTIMATE DESIGN WIND SPEED, V(U)T = 115 MPH
NOMINAL DESIGN WIND SPEED, V(S)D = 90 MPH
RISK CATEGORY = III
WIND EXPOSURE = C
COP = 1.0
COMPONENTS AND CLADDING WIND PRESSURES TO BE DETERMINED PER ASCE 7-16
TSUNAMI: NA. PROJECT IS SITED BEYOND THE EXTENTS OF ASCE TSUNAMI DESIGN ZONE & CALIFORNIA EMERGENCY MANAGEMENT AGENCY (CALEMA) TSUNAMI INUNDATION MAPS
C. SOIL DESIGN CRITERIA
SOIL INFO IS BASED ON GEOTECHNICAL REPORT BY: MID PACIFIC ENGINEERING / MPE REPORT NO. 04789-01-1 DATED: NOVEMBER 28, 2019

FIRE / SMOKE PROTECTION OF STRUCTURE

- 1. THE FIRE RESISTANCE RATING OF STRUCTURAL MEMBERS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH THE BUILDING CODE AND THE REQUIREMENTS INDICATED IN THE CONSTRUCTION DOCUMENTS.
2. SEE THE NONSTRUCTURAL CONSTRUCTION DOCUMENTS FOR THE BUILDING CONSTRUCTION TYPE AND THE FIRE AND SMOKE PROTECTION MATERIALS, SYSTEMS OR ASSEMBLIES REQUIRED TO PROVIDE THE NECESSARY FIRE RESISTANCE RATINGS FOR STRUCTURAL BUILDING ELEMENTS.
3. FIRE RESISTANCE RATINGS SHALL BE MAINTAINED FOR OPENINGS OR PENETRATIONS THROUGH STRUCTURAL BUILDING ELEMENTS THAT ARE PART OF THE FIRE AND SMOKE PROTECTION SYSTEMS OR ASSEMBLIES.
4. FIREBLOCKING AND DRAFTSTOPPING SHALL BE PROVIDED AT STRUCTURAL FRAMING IN DUBSTABLE CONCEALED LOCATIONS IN ACCORDANCE WITH THE BUILDING CODE.
5. WHEN FIRE PROTECTION IS REQUIRED, THE FIRE PROTECTED PRIMARY STRUCTURAL FRAME SHALL INCLUDE ALL OF THE FOLLOWING STRUCTURAL MEMBERS:
- THE COLUMNS
- STRUCTURAL MEMBERS HAVING DIRECT CONNECTIONS TO THE COLUMNS, INCLUDING GIRDERS, BEAMS, TRUSSES AND SPANDRELS
- MEMBERS OF THE FLOOR CONSTRUCTION AND ROOF CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS
- BRACING MEMBERS THAT ARE ESSENTIAL TO THE VERTICAL STABILITY OF THE PRIMARY STRUCTURAL FRAME UNDER GRAVITY LOADING WHETHER OR NOT THE BRACING MEMBER CARRIES GRAVITY LOADS
6. WHEN FIRE PROTECTION IS REQUIRED, THE FOLLOWING STRUCTURAL MEMBERS SHALL BE CONSIDERED SECONDARY MEMBERS AND NOT PART OF THE FIRE PROTECTED PRIMARY STRUCTURAL FRAME:
- STRUCTURAL MEMBERS NOT HAVING DIRECT CONNECTIONS TO THE COLUMNS
- MEMBERS OF THE FLOOR CONSTRUCTION AND ROOF CONSTRUCTION NOT HAVING DIRECT CONNECTIONS TO THE COLUMNS
- BRACING MEMBERS OTHER THAN THOSE THAT ARE PART OF THE PRIMARY STRUCTURAL FRAME
7. FIRE PROTECTION CONSTRUCTION CLASSIFICATIONS USED FOR DETERMINING CONDITIONS OF RESTRAINT FOR FLOOR AND ROOF STRUCTURAL ASSEMBLIES AND FOR INDIVIDUAL BEAMS SHALL CONFORM TO ASTM E119. USE THE FOLLOWING FIRE PROTECTION CONSTRUCTION CLASSIFICATIONS, UNO:
UNRESTRAINED
WOOD FRAMING
COLD FORMED STEEL FRAMING
STEEL FRAMING SUPPORTED BY BEARING WALLS
CONCRETE FRAMING SUPPORTED BY BEARING WALLS
RESTRAINED
STEEL FRAMING
CONCRETE FRAMING

STRUCTURAL SHEET INDEX

Table with 2 columns: SHEET NUMBER and SHEET NAME. Lists sheets S001 through S603, including General Notes, Typical Notes, Foundation Plan, Floor Plans, Slab Reinforcing Plans, Framing Plans, Elevation Plans, Building Sections, and Details for various structural elements like concrete, masonry, steel, and stairs.



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LICENSE STAMPS



PROJECT NAME
HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER
929 5th STREET
EUREKA, CA 95501

SHEET TITLE
GENERAL NOTES

DRAWING STATUS

WORKING DRAWINGS

Table with 3 columns: Svt., Description, Date. Lists revisions for the drawing.

Table with 2 columns: Field, Value. Includes fields for Drawn By (PAB), Date Issued (07.29.2022), Scale (As indicated), Project No. (016205.01), and SHEET No. (S001 V4).

**STRUCTURAL SUBMITTALS**

- SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO, SHOP DRAWINGS, FABRICATION DRAWINGS, PLACEMENT DRAWINGS, CALCULATIONS, DESIGNS, TEST DATA, PRODUCT DATA, SAMPLES, CERTIFICATIONS AND REPORTS AS REQUIRED BY THE CONSTRUCTION DOCUMENTS.
- SUBMITTALS, AS A MINIMUM, SHALL CONSIST OF TWO (2) COPIES OF EACH SHEET.
- SUBMITTALS SHALL NOT CONTAIN NOR CONSIST OF REPRODUCTIONS OF THE CONSTRUCTION DOCUMENTS. SUBMITTALS CONTAINING REPRODUCTIONS OF ANY PORTION OF THE CONSTRUCTION DOCUMENTS ARE SUBJECT TO REJECTION.
- EACH SUBMITTAL SHALL HAVE A COVER SHEET IDENTIFYING THE CONTENTS BY SPECIFICATION SECTION AND LISTING EACH ITEM AND SHEET NUMBER. EACH SUBMITTAL SHALL HAVE A UNIQUE IDENTIFICATION NUMBER.
- PRIOR TO SUBMISSION TO THE STRUCTURAL ENGINEER, STAMP SUBMITTALS INDICATING THEY HAVE BEEN REVIEWED AND APPROVED FOR COMPLETENESS AND CONFORMANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS. SUBMITTALS THAT ARE DETERMINED TO BE INCOMPLETE, IN THE JUDGMENT OF THE STRUCTURAL ENGINEER, WILL BE RETURNED WITHOUT REVIEW SO THEY CAN BE COMPLETED. THE STRUCTURAL ENGINEER SHALL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
- PRIOR TO SUBMISSION TO THE STRUCTURAL ENGINEER, THE OWNER'S TESTING LABORATORY SHALL STAMP THE FOLLOWING MARKED SUBMITTALS INDICATING THEY HAVE BEEN REVIEWED AND APPROVED FOR COMPLETENESS AND CONFORMANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS.
  - CONCRETE MIX DESIGNS AND SUBSTANTIATING TEST DATA
  - MASONRY GROUT MIX DESIGNS AND SUBSTANTIATING TEST DATA
  - WELDING PROCEDURE SPECIFICATIONS
- SUBMITTALS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO UTILIZATION, INSTALLATION, FABRICATION OR CONSTRUCTION OF ITEMS CONTAINED WITHIN THE SUBMITTALS.
- SUBMITTALS SHALL BE DELIVERED TO THE STRUCTURAL ENGINEER TO ALLOW SUFFICIENT TIME, IN THE STRUCTURAL ENGINEER'S JUDGMENT, FOR A REASONABLE PERIOD FOR ADEQUATE REVIEW, ENFORCEMENT AGENCY APPROVAL AS REQUIRED AND RESPONSE SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. ALLOW THE STRUCTURAL ENGINEER THE GREATER SUBMITTAL REVIEW PERIOD OF TEN (10) WORK DAYS, OR FIVE (5) WORK DAYS FOR EACH 100 SHEETS, OR PORTION THEREOF, FOR EACH SUBMITTAL. SUBMITTAL REVIEW PERIOD COMMENCES THE NEXT WORK DAY AFTER SUBMITTAL RECEIPT BY THE STRUCTURAL ENGINEER. CONCURRENT SUBMITTALS OF MULTIPLE PORTIONS OF THE SAME SUBMITTAL ITEM WILL BE REVIEWED IN THEIR ENTIRETY AS ONE SUBMITTAL SUBJECT TO THE REVIEW PERIOD LIMITATION ABOVE. SCHEDULE SUBMITTAL REVIEWS AND CONSTRUCTION ACCORDINGLY.
- REVIEW OF SUBMITTALS BY THE STRUCTURAL ENGINEER WILL INCLUDE CHECKING FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONSTRUCTION DOCUMENTS. IT WILL NOT INCLUDE REVIEW OF THE ACCURACY OR COMPLETENESS OF ITEMS SUCH AS QUANTITIES, DIMENSIONS, WEIGHTS OR GAUGES, FABRICATION PROCESSES, CONSTRUCTION MEANS OR METHODS, COORDINATION WITH THE WORK OF OTHER TRADES, OR CONSTRUCTION SAFETY PRECAUTIONS. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT THE STRUCTURAL ENGINEER HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO THE STRUCTURAL ENGINEER'S ATTENTION IN WRITING.
- SUBMITTALS PROCESSED BY THE STRUCTURAL ENGINEER ARE NOT CHANGE ORDERS.
- SUBMITTALS THAT WILL REQUIRE ADDITIONAL REVIEW, IN THE STRUCTURAL ENGINEER'S JUDGMENT, WILL BE MARKED "RESUBMIT". THE SUBMITTAL SHALL BE REVISED AND RESUBMITTED FOR RE-REVIEW AND IS SUBJECT TO ALL THE REQUIREMENTS OF THE INITIAL SUBMITTAL. PROVIDE OWNER REIMBURSEMENT FOR STRUCTURAL ENGINEER COSTS INCURRED TO RE-REVIEW SUBMITTALS.
- SUBMITTALS THAT HAVE BEEN REVIEWED AND RETURNED BY THE STRUCTURAL ENGINEER, REGARDLESS OF MARKINGS ON THE SUBMITTALS, SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.
- THE MINIMUM REQUIRED STRUCTURAL SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING MARKED ITEMS:
  - FILE FABRICATION DRAWINGS AND CALCULATIONS
  - CONCRETE MIX DESIGNS AND SUBSTANTIATING TEST DATA
  - CONCRETE REINFORCING PLACEMENT DRAWINGS
  - CONCRETE PRODUCT CERTIFICATION AND DATA SHEETS
  - CONCRETE SLAB JOINT LAYOUT
  - MASONRY REINFORCING PLACEMENT DRAWINGS
  - MASONRY GROUT MIX DESIGNS AND SUBSTANTIATING TEST DATA
  - MASONRY MORTAR MIX DESIGNS
  - MASONRY PRODUCT CERTIFICATION AND DATA SHEETS
  - STRUCTURAL STEEL SHOP DRAWINGS
  - STEEL DECK PLACEMENT DRAWINGS AND DATA SHEETS
  - WELDING PROCEDURE SPECIFICATIONS
  - METAL-PLATE-CONNECTED WOOD TRUSS PLACEMENT DRAWINGS AND CALCULATIONS
  - WOOD JOIST PLACEMENT DRAWINGS AND CALCULATIONS
  - GLUED-LAMINATED TIMBER FABRICATION AND PLACEMENT DRAWINGS AND CERTIFICATIONS
  - PRE-ENGINEERED LUMBER SPECIFICATIONS AND DATA SHEETS
  - OPEN WEB STEEL JOIST PLACEMENT DRAWINGS AND CALCULATIONS
  - PRE-ENGINEERED STEEL STAIR SHOP DRAWINGS AND CALCULATIONS
  - COLD-FORMED STEEL FRAMING PRODUCTS, ACCESSORIES, DATA SHEETS AND CALCULATIONS

**FIRE SPRINKLER COORDINATION**

- AUTOMATIC FIRE SPRINKLER SYSTEM (AFSS) DESIGN AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE, ASCE 7, AND NFPA 13.
- THE ABOVE GROUND PORTION OF THE AFSS SHALL BE DESIGNED BY A CALIFORNIA LICENSED MECHANICAL ENGINEER, FIRE PROTECTION ENGINEER, OR A DESIGN/BUILD C-16 FIRE PROTECTION CONTRACTOR.
- INSTALLATION SHALL NOT BEGIN PRIOR TO OBTAINING APPROVAL FROM THE ENFORCEMENT AGENCY AND REVIEW BY ARCHITECT AND STRUCTURAL ENGINEER.
- INSTALL AFSS PIPING WITH 2" MINIMUM CLEARANCE FROM STRUCTURAL MEMBERS NOT PENETRATED OR USED TO SUPPORT THE PIPING.
- INSTALL APPROVED SEISMIC SEPARATION ASSEMBLIES WHERE AFSS PIPING, REGARDLESS OF SIZE, CROSSES BUILDING SEISMIC SEPARATION JOINTS AT GROUND LEVEL AND ABOVE. PROVIDE A FOUR-WAY BRACE TO PIPING AT EACH SIDE OF ASSEMBLIES. ATTACH BRACE TO PIPING, NOT THE ASSEMBLIES, WITHIN 6" OF THE ASSEMBLIES.
- AFSS PIPING SHALL PASS THROUGH HOLES/SLEEVES IN WALLS, FLOORS, ROOFS OR FOUNDATIONS. COMPLY WITH ALL STRUCTURAL DETAILS AND THE FOLLOWING: PROVIDE 2" NOMINAL CLEAR AT HOLES/SLEEVES FOR PIPES 3 1/2" AND SMALLER. PROVIDE 4" NOMINAL CLEAR AT HOLES/SLEEVES FOR PIPES 4" AND LARGER.
- AFSS PIPING SHALL NOT PENETRATE OR INTERRUPT FRAMING MEMBERS INCLUDING BUT NOT LIMITED TO STUDS, POSTS, COLUMNS, JOISTS, RAFTERS, BEAMS AND GIRDS. DO NOT CUT DRILL FRAMING MEMBERS UNLESS SPECIFICALLY NOTED.
- AFSS PIPING HANGERS, COMPONENTS AND FASTENERS SHALL BE LISTED, FERROUS, AND DESIGNED TO SUPPORT FIVE TIMES THE TRIBUTARY WEIGHT OF WATER-FILLED PIPE PLUS 250 POUNDS.
- PIPING HANGERS SHALL NOT BE SUBJECT TO BENDING. INSTALL WITH SWIVELS, EYE NUTS, ARTICULATING ATTACHMENTS OR OTHER DEVICES TO PREVENT BENDING.
- PIPING HANGERS SHALL BE SUBSTANTIALLY SUPPORTED FROM THE BUILDING STRUCTURE. C-TYPE CLAMPS USED TO ATTACH HANGERS TO THE BUILDING STRUCTURE SHALL BE EQUIPPED WITH A RESTRAINING STRAP. POWER ACTUATED FASTENERS SHALL NOT BE USED TO ATTACH HANGERS TO THE BUILDING STRUCTURE.
- STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE TRIBUTARY WEIGHT OF WATER-FILLED PIPE PLUS 250 POUNDS AT EACH SPRINKLER SUPPORT POINT, WITHIN FRAMING LIMITATIONS NOTED BELOW. INSTALL TRAPEZE HANGERS WHERE NECESSARY TO SUPPORT PIPING FROM APPROPRIATE STRUCTURAL FRAMING MEMBERS.
- THE MAXIMUM DISTANCE BETWEEN AFSS PIPING HANGERS SHALL NOT EXCEED: 12' FOR STEEL PIPE 1 1/4" AND SMALLER, 15' FOR STEEL PIPE 1 1/2" AND LARGER, 12' FOR THREADED LIGHTWALL STEEL PIPE 1" TO 3".
- PROVIDE ONE HANGER MINIMUM ON EACH SECTION OF PIPE, BETWEEN EACH BRANCH LINE AT MAINS, AND AT THE ENDS OF MAINS. HANGER CLEARANCE TO UPRIGHT SPRINKLER SHALL BE 3" MINIMUM.
- WOOD FRAMING SUPPORTING AFSS PIPING HANGERS SHALL COMPLY WITH THE FOLLOWING: DO NOT SUPPORT PIPING FROM STRUCTURAL PANELS OR 2X AND SMALLER FRAMING/DECKING UNO. SUPPORT PIPING 2" AND SMALLER FROM 3X MINIMUM FRAMING/DECKING OR WITH THROUGH BOLTS TO THE SIDES OF 2X FRAMING. SUPPORT PIPING 2 1/2" TO 6" FROM 4X MINIMUM FRAMING. SUPPORT PIPING 6" FROM 6X MINIMUM FRAMING. DO NOT SUPPORT PIPING FROM FRAMING LESS THAN 8" DEEP. DO NOT SUPPORT MORE THAN ONE PIPING HANGER AT ANY MEMBER LESS THAN 6X MINIMUM. SCREWS OR BOLTS IN THE SIDES OF FRAMING SHALL NOT BE INSTALLED LESS THAN 3" OR 1/3 THE FRAMING DEPTH FROM THE BOTTOM.
- STEEL FRAMING SUPPORTING AFSS PIPING HANGERS SHALL COMPLY WITH THE FOLLOWING: DO NOT SUPPORT PIPING FROM BARE STEEL DECK. DO NOT SUPPORT PIPING 2 1/2" AND GREATER FROM CONCRETE FILLED STEEL DECK OR CONCRETE SLABS. DO NOT SUPPORT PIPING FROM FRAMING LESS THAN 8" DEEP. DO NOT SUPPORT MORE THAN ONE PIPING HANGER AT ANY MEMBER LESS THAN 12" DEEP.
- LATERAL BRACING SHALL BE PROVIDED ON ALL FEED AND CROSS MAINS REGARDLESS OF PIPING SIZE, ON ALL OTHER PIPING 2 1/2" AND LARGER, AND SHALL BE SPACED AT A MAXIMUM OF 40' ON CENTER. THE LAST LENGTH OF PIPE AT THE END OF PIPE RUNS BEING BRACED SHALL BE PROVIDED WITH A BRACE WITHIN 6" OF THE END OF THE PIPE.
- LONGITUDINAL BRACING SHALL BE PROVIDED ON ALL FEED AND CROSS MAIN PIPING, AND SHALL BE SPACED AT A MAXIMUM OF 80' ON CENTER. PROVIDE A BRACE WITHIN 40' OF EACH END OF EACH RUN OF PIPE.
- LONGITUDINAL BRACING SHALL BE ALLOWED TO ACT AS LATERAL BRACES IF THEY ARE WITHIN 24" OF THE CENTER LINE OF THE PIPING BRACED. LATERAL BRACES SHALL BE ALLOWED TO ACT AS LONGITUDINAL BRACES IF THEY ARE WITHIN 24" OF THE CENTERLINE OF THE PIPING BRACED LONGITUDINALLY AND THE LATERAL BRACE IS ON A PIPE OF EQUAL OR GREATER SIZE THAN THE PIPE BEING BRACED LONGITUDINALLY.
- EACH RUN OF PIPE BETWEEN CHANGES IN DIRECTION SHALL BE PROVIDED WITH BOTH LATERAL AND LONGITUDINAL BRACING OTHER THAN PIPE RUNS LESS THAN 12' LONG.
- BRACE ATTACHMENT TO PIPING SHALL BE LOCATED WITHIN 6" OF A HANGER OF A TYPE THAT PREVENTS UPWARD MOVEMENT OF THE PIPE. HANGER LR AT BRACE SHALL NOT EXCEED 200.
- BRACES SHALL BE ATTACHED DIRECTLY TO FEED AND CROSS MAINS. INSTALL SO THAT CONNECTIONS ARE TIGHT AND IN STRAIGHT LINES TO AVOID ECCENTRIC LOADINGS ON BRACES, COMPONENTS, AND FASTENERS. POWER ACTUATED FASTENERS, LAG SCREWS, OR C-TYPE CLAMPS SHALL NOT BE USED TO ATTACH BRACES TO THE BUILDING STRUCTURE.
- THREADED PIPE USED AS PART OF A BRACE ASSEMBLY SHALL BE SCHEDULE 40 MINIMUM.
- TOPS OF RISERS EXCEEDING 3' IN LENGTH SHALL BE PROVIDED WITH A FOUR-WAY BRACE.
- BRANCH LINE PIPING SHALL BE VERTICALLY AND LATERALLY RESTRAINED AT INTERVALS NOT EXCEEDING 40' AND AT EACH END SPRINKLER ON A LINE. SPRINGS 4" OR LONGER SHALL BE LATERALLY RESTRAINED.
- AFSS SUBMITTAL DRAWINGS FOR STRUCTURAL REVIEW SHALL SHOW LOCATIONS AND SIZES OF ALL PIPING, HANGERS, BRACING AND THEIR ATTACHMENTS TO THE BUILDING STRUCTURE. PROVIDE CALCULATIONS FOR MAXIMUM VERTICAL AND LATERAL LOADS FOR EACH HANGER TYPE, AND DETAILS FOR HANGERS, BRACES AND ANCHORS SHOWING MATERIALS FOR ANCHORAGE, ETC. INCLUDE IN SUBMITTAL ICC REPORTS FOR ALL ANCHORS INDICATING ALLOWABLE LOADS FOR THE SPECIFIC CONFIGURATION OF STRUCTURE CONNECTED TO.

**FOUNDATION AND EARTHWORK**

- ALL FOUNDATION AND EARTHWORK INCLUDING, BUT NOT LIMITED TO, EXCAVATION, GRADING, FILLING, SUB-GRADE PREPARATION, SOIL TREATMENT, ASSOCIATED SITE WORK, TRENCHING AND BACKFILLING SHALL BE PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
- THE GEOTECHNICAL INFORMATION PROVIDED IS BASED UPON A GEOTECHNICAL REPORT PROVIDED BY THE OWNER FOR THIS PROJECT. THE GEOTECHNICAL REPORT WAS USED FOR THE DESIGN INDICATED IN THESE CONSTRUCTION DOCUMENTS. THE GEOTECHNICAL REPORT AND THE RECOMMENDATIONS CONTAINED THEREIN SHALL BE USED IN CONJUNCTION WITH THE CONSTRUCTION DOCUMENTS. COMPLY WITH THE REQUIREMENTS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT.
- THE GEOTECHNICAL INFORMATION PROVIDED IS NOT A WARRANTY OF THE SITE OR SUBSURFACE CONDITIONS. PRIOR TO BIDDING AND AT NO COST TO THE OWNER, SITE VISITS TO INVESTIGATE OR TO PERFORM ADDITIONAL SUBSURFACE INVESTIGATIONS MAY BE MADE TO DETERMINE THE EXISTING CONDITIONS. SUCH INVESTIGATIONS MAY BE PERFORMED ONLY UNDER TIME SCHEDULES AND ARRANGEMENTS APPROVED BY THE OWNER IN ADVANCE.
- AN OWNER-RETAINED SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER SHALL PROVIDE TESTING AND INSPECTION SERVICES DURING ALL FOUNDATION AND EARTHWORK. PRIOR TO REQUESTING AN ENFORCEMENT AGENCY FOUNDATION INSPECTION, OBTAIN WRITTEN DOCUMENTATION FROM THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER THAT THE FOUNDATION AND EARTHWORK IS IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
- NOTIFY THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER 48 HOURS IN ADVANCE OF THE TIME WHEN THE FOUNDATION EXCAVATIONS AND EARTHWORK WILL BE COMPLETE AND READY FOR FORMS OR REINFORCING PLACEMENT. NO FORMS OR REINFORCING SHALL BE PLACED IN ANY FOUNDATION UNTIL THE EXCAVATION HAS BEEN INSPECTED AND APPROVED BY THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER.
- FOUNDATIONS SHALL EXTEND INTO FIRM BEARING IN UNDISTURBED SOIL, OR WHERE REQUIRED, IN COMPACTED FILL MATERIAL OR CONTROLLED LOW-STRENGTH MATERIAL PER THE CONSTRUCTION DOCUMENTS. FOUNDATION DEPTHS SHOWN ON THE CONSTRUCTION DOCUMENTS ARE MINIMUM DEPTHS ONLY. FOUNDATION EXCAVATIONS MAY BE REQUIRED TO BE OVER-EXCAVATED TO REACH SUITABLE BEARING MATERIAL, WHERE THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER HAS DETERMINED OVER-EXCAVATION IS REQUIRED. THE REMOVED MATERIAL MAY BE REPLACED WITH COMPACTED FILL MATERIAL OR CONTROLLED LOW-STRENGTH MATERIAL PER THE CONSTRUCTION DOCUMENTS.
- FOUNDATIONS BELOW GRADE SHALL BE FORMED UNLESS WRITTEN DOCUMENTATION PERMITTING UNFORMED FOOTINGS IS OBTAINED FROM THE SPECIAL INSPECTOR/GEOTECHNICAL ENGINEER. FORWARD WRITTEN DOCUMENTATION TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO THE START OF FOUNDATION EXCAVATIONS. THE SIDES OF UNFORMED FOUNDATION EXCAVATIONS WILL BE ABLE TO STAND WITHOUT REINFORCEMENT PLACED ADJACENT TO EARTH. FOUNDATIONS ABOVE GRADE SHALL BE SLOUGHED OF SOIL INTO EXCAVATIONS, WHERE UNFORMED FOUNDATIONS ARE USED, COORDINATE AND COMPLY WITH THE CONCRETE PROTECTION REQUIREMENTS FOR REINFORCEMENT PLACED ADJACENT TO EARTH. FOUNDATIONS ABOVE GRADE SHALL BE FORMED. ALL FORMS SHALL BE REMOVED ABOVE OR BELOW GRADE, UNLESS OTHERWISE NOTED.
- THE TOP SURFACE OF FOUNDATIONS SHALL BE LEVEL. THE BOTTOM SURFACE OF FOUNDATIONS IS PERMITTED TO HAVE A SLOPE NOT EXCEEDING ONE UNIT VERTICAL IN TEN UNITS HORIZONTAL. FOOTINGS SHALL BE STEEPED WHERE IT IS NECESSARY TO CHANGE THE ELEVATION OF THE TOP SURFACE OF THE FOOTING OR WHERE THE SURFACE OF THE GROUND AND/OR BOTTOM SURFACE OF THE FOOTINGS SLOPES MORE THAN ONE UNIT VERTICAL IN TEN UNITS HORIZONTAL. STEP FOOTINGS AS REQUIRED PER TYPICAL DETAILS.
- THE TOP OF EXTERIOR FOOTINGS SHALL BE LOCATED 4 INCHES MINIMUM BELOW LOWEST ADJACENT EXTERIOR FINISHED GRADE OR SURFACE, UNLESS OTHERWISE NOTED, WHERE ADJACENT EXTERIOR FINISHED GRADE OR SURFACE SLOPES DOWN AND AWAY FROM THE FOUNDATION. THE TOP OF EXTERIOR FOOTINGS SHALL BE NO HIGHER THAN THE ELEVATION OF THE FINISHED GRADE OR SURFACE LOCATED 18 INCHES FROM THE FACE OF SUCH FOOTING, UNLESS OTHERWISE NOTED. STEP FOOTINGS AS REQUIRED PER TYPICAL DETAILS TO OBTAIN THE MINIMUM DIMENSIONS REQUIRED.
- FOUNDATION DEPTHS SHOWN ON THE CONSTRUCTION DOCUMENTS ARE MINIMUM DEPTHS ONLY AND DO NOT NECESSARILY ACCOUNT FOR ALL PILES, CONDUIITS, UTILITIES AND TRENCHES ADJACENT TO OR CROSSING FOOTINGS AS REQUIRED BY ALL OTHER CONSTRUCTION DOCUMENTS. STEP FOOTINGS TO COMPLY WITH THE REQUIREMENTS OF TYPICAL DETAILS FOR PIPES AND CONDUITS AT FOOTINGS.
- FOR DAMP-PROOFING, WATER-PROOFING AND DRAINAGE SYSTEMS ADJACENT TO FOUNDATIONS, SEE ALL OTHER CONSTRUCTION DOCUMENTS.
- FOUNDATION ELEMENTS SHOWN ARE INDICATED IN THEIR COMPLETED LOCATION AND CONDITION. FILL AROUND FOUNDATION ELEMENTS SHALL BE PLACED IN LIFTS AND COMPACTED IN A MANNER THAT DOES NOT DAMAGE OR MOVE THE FOUNDATION. WATER-PROOFING OR DAMP-PROOFING, SHORE AND ADEQUATELY SUPPORT FOUNDATION ELEMENTS WHILE PLACING FILL UNTIL THE FOUNDATION ELEMENTS AND THEIR SUPPORTING STRUCTURAL ELEMENTS HAVE BEEN COMPLETED AND ATTAINED THEIR REQUIRED DESIGN STRENGTHS.
- FOUNDATION EXCAVATIONS SHALL BE CLEANED OF DEBRIS, LOOSE SOIL AND STANDING WATER DURING CONSTRUCTION AND IMMEDIATELY PRIOR TO CONCRETE PLACEMENT. PROVIDE FOR DE-WATERING IF WATER IS PRESENT IN THE EXCAVATIONS DUE TO ANY SOURCE.
- FOUNDATION EXCAVATIONS SHALL BE MADE TO THE SIZES AND SHAPES REQUIRED BY THE CONSTRUCTION DOCUMENTS. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
- EXTERIOR FINISHED GRADES OR SURFACES SHALL HAVE POSITIVE DRAINAGE AWAY FROM FOUNDATIONS. GROUND SURFACES WITHIN TEN FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 5% UNO. PAVED SURFACES WITHIN TEN FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2% UNO. PIPES SHALL HAVE ADEQUATE SURFACE DRAINAGE TO PREVENT STANDING WATER ADJACENT TO THE FOUNDATIONS.
- WHERE EXCAVATIONS OCCUR ADJACENT TO EXISTING STRUCTURES, PROVIDE ADEQUATE UNDERPINNING, SHORING OR SUPPORT TO PREVENT SETTLEMENT AND LATERAL MOVEMENT OF THE EXISTING FOUNDATIONS. FOUNDATIONS ADJACENT TO EXISTING FOUNDATIONS SHALL PENETRATE A MINIMUM OF THE SAME DEPTH AS EXISTING, UNLESS OTHERWISE NOTED.
- FOUNDATION SIZES SHALL BE AS REQUIRED ON THE CONSTRUCTION DOCUMENTS. THE MINIMUM DEPTH SHALL ALSO EXTEND BELOW THE FROST LINE OF THE LOCALITY. FOOTINGS SHALL NOT BEAR ON FROZEN SOIL.

**REINFORCED MASONRY**

- MASONRY WORK, MATERIALS, CONSTRUCTION, AND QUALITY SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE, TMS 602/ACI 530/ASCE 5 AND TMS 602/ACI 530.1/ASCE 6.
- COMPLETED MASONRY ASSEMBLIES SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH (FM) OF 2,000 PSI MINIMUM. COMPRESSIVE STRENGTH SHALL BE VERIFIED BY THE UNIT STRENGTH METHOD.
- HOLLOW AND SOLID CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 WITH A MAXIMUM OVEN DRY DENSITY OF 135 PCF. UNITS SHALL HAVE A NET AREA COMPRESSIVE STRENGTH OF 2,000 PSI MINIMUM.
- MORTAR SHALL CONFORM TO ASTM C270 TYPE-S.
- MASONRY UNITS AND MORTAR SHALL CONFORM TO THE COLOR AND STYLE SPECIFIED BY THE ARCHITECT.
- MASONRY UNITS AND MORTAR SHALL CONFORM TO THE COLOR AND STYLE SPECIFIED BY ARCHITECT. GROUT SHALL CONFORM TO ASTM C478 OR BE PROPORTIONED TO ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI MINIMUM AS TESTED PER ASTM C1919. THOROUGHLY MIX GROUT MATERIALS AND WATER TO PROVIDE ADEQUATE FLUIDITY FOR PLACEMENT WITHOUT SEGREGATION OR SEPARATION. MIX GROUT TO A CONSISTENCY THAT HAS A SLUMP BETWEEN 8 AND 11 INCHES. GROUT PROVIDED FOR JOINTS OVER 5/4" IN HEIGHT SHALL CONTAIN AN ADMIXTURE OF THE TYPE THAT REDUCES EARLY WATER LOSS TO THE MASONRY UNITS AND PRODUCES AN EXPANSIVE ACTION IN THE PLASTIC GROUT SUFFICIENT TO OFFSET INITIAL SHRINKAGE AND PROMOTE BONDING OF THE GROUT TO ALL EXTERIOR SURFACES OF THE MASONRY UNITS.
- ADDITIVES AND ADMIXTURES SHALL NOT BE USED FOR MORTAR OR GROUT UNLESS ACCEPTABLE TO THE ENFORCEMENT AGENCY. ADDITIVES AND ADMIXTURES SHALL BE USED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND EVALUATION REPORTS. EVALUATION REPORTS SHALL HAVE A CURRENT AND VALUING ISSUED BY AN ACCEPTABLE EVALUATION AGENCY. ANTI-FREEZE OR AIR ENTRAINMENT SUBSTANCES SHALL NOT BE USED.
- REINFORCING BARS SHALL CONFORM TO ASTM A615-GRADE 60 OR ASTM A706-GRADE 60. THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS SHALL NOT EXCEED 1.3 TIMES THE SPECIFIED YIELD STRENGTH.
- JOINT REINFORCEMENT SHALL CONFORM TO ASTM A615.
- WIRE TIES/ANCHORS SHALL CONFORM TO ASTM A82.
- SHEET METAL ANCHORS/TIES SHALL CONFORM TO ASTM A1008.
- JOINT REINFORCEMENT, WIRE TIES/ANCHORS, AND SHEET METAL ANCHORS/TIES SHALL BE HOT-DIP GALVANIZED TO CONFORM TO ASTM A153.
- ANCHOR BOLTS SHALL HAVE HEX HEADS AND CONFORM TO ASTM A307-GRADE A OR ASTM F 1554-GRADE 8. ANCHOR BOLTS SHALL BE STEEPED WHERE IT IS NECESSARY TO CHANGE THE THREADED ENDS AND DOUBLE NUTS AT THE ANCHORED END. NUTS FOR BOLTS OR RODS SHALL CONFORM TO ASTM A563-GRADE A-HEX.
- ROUGHEN CONCRETE BEARING SURFACES BY EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE CEMENT MATRIX. BEFORE PLACING MASONRY UNITS CLEAN BEARING SURFACES AND HORIZONTAL CONSTRUCTION JOINTS OF ALL LOOSE MATERIAL, DEBRIS AND MORTAR DROPPINGS.
- HOLLOW-UNIT MASONRY SHALL BE BUILT TO MAINTAIN THE CLEAR AND UNOBSTRUCTED CONTINUITY OF THE VERTICAL AND HORIZONTAL CELLS TO BE GROUTED. USE TWO-CORE SINGLE OPEN UNITS ARRANGED SO THAT CLOSED ENDS OF ADJACENT UNITS DO NOT ABUT UNO. WHERE STACK-BOND PATTERN IS NOTED, USE TWO-CORE DOUBLE OPEN END UNITS.
- MULTI-WYTHE MASONRY SHALL BE BUILT WITH SOLID UNITS IN THE OUTER WYTHES TO MAINTAIN THE UNOBSTRUCTED CONTINUITY OF THE SPACES TO BE GROUTED. THE INNER WYTHES SHALL BE BONDED TOGETHER WITH NO 9 WIRE RECTANGULAR WALL TIES 4" WIDE BY LENGTH EQUAL TO 2' LESS THAN OVERALL WALL THICKNESS. KINKS, WATER DRIPS, OR WEATHERING ARE NOT PERMITTED TO THE WALL TIES. WALL TIES SHALL BE SPACED AT 36" OC MAX HORIZONTAL AND 24" OC MAX VERTICAL.
- CONSTRUCT MASONRY IN RUNNING BOND PATTERN UNO. MAINTAIN BOND PATTERNS AT CORNERS, INTERSECTIONS AND SURFACES USING FULL UNITS. PROVIDE SPECIALTY OR CUT MASONRY UNITS WHEN REQUIRED. GROUTED SPACES SHALL NOT BE VISIBLE AT EXPOSED MASONRY SURFACES. TOOTHING OF MASONRY WALLS IS PROHIBITED. RAKING IS TO BE HELD TO A MINIMUM.
- PLACE UNITS AND MORTAR TO PROVIDE CONSISTENT THICKNESS BED AND HEAD JOINTS UNO. TOOL MORTAR JOINTS CONCAVE UNO. REMOVE MORTAR PROTRUSIONS EXTENDING MORE THAN 1/2" INTO GROUTED SPACES. DURING PLACEMENT, REMOVE MORTAR DROPPINGS FROM HORIZONTAL CONSTRUCTION JOINTS, INTERIOR MASONRY SURFACES AND REINFORCING STEEL.
- PLACE MORTAR AND MASONRY UNITS TO SOLIDLY FIT JOINTS AS FOLLOWS: BED JOINTS AT HEAD AND END JOINTS AT CORNERS AND FULL HEIGHT CROSS WEBS; HEAD AND END JOINTS AT OPEN ENDS OF HOLLOW-UNITS FOR A MINIMUM DISTANCE FROM EACH FACE EQUAL TO THE FACE SILL THICKNESS OF THE UNIT; HEAD AND END JOINTS AT CLOSED ENDS OF HOLLOW-UNITS WHERE LOCATED NECESSARY TO CONFINE GROUT; BED, HEAD AND 3/4" OR LESS COLLAR JOINTS AT SHELL UNITS.
- JOINT REINFORCEMENT SO THAT LONGITUDINAL WIRES ARE EMBEDDED IN MORTAR JOINTS WITH MINIMUM 6" LAP SPICES. STAGGER ADJACENT LAP SPICES WITH NO OVERLAP PROVIDE MINIMUM MORTAR COVER OF 1/2" FROM INTERIOR SURFACES AND 5/8" FROM EXTERNAL SURFACES.
- MINIMUM REBAR COVER FROM EXTERNAL MASONRY SURFACES EXPOSED TO EARTH OR WEATHER SHALL BE 1 1/2". MINIMUM REBAR COVER FROM EXTERNAL MASONRY SURFACES NOT EXPOSED TO EARTH OR WEATHER SHALL BE 1 1/2". UNO.

**MINIMUM REBAR CLEARANCE TO INTERNAL MASONRY SURFACES SHALL BE THE GREATER OF ONE REBAR DIAMETER OR 1/2". HORIZONTAL REBAR CAN BEAR ON THE CROSS WEBS OF BOND BEAM UNITS. REBAR WITH HOOKS OR BENDS SHALL BE SKEWED WITHIN CELLS TO MAINTAIN REQUIRED CLEARANCE. CONSTRUCT MASONRY AND CUT UNITS TO MAINTAIN REQUIRED CLEARANCE.**

- THE MINIMUM CLEAR DISTANCE BETWEEN PARALLEL REBAR SHALL BE THE GREATER OF ONE REBAR DIAMETER OR 1". IN COLUMNS AND PILASTERS THE MINIMUM CLEAR DISTANCE BETWEEN VERTICAL REBAR SHALL BE THE GREATER OF ONE AND ONE-HALF REBAR DIAMETERS OR 1/2". THE SAME LIMITATIONS SHALL APPLY TO THE CLEAR DISTANCE BETWEEN A REBAR SPICE AND ADJACENT SPLICES OR REBAR.
- HOLD REINFORCING IN PLACE USING WIRE TIES OR SPACING/POSITIONER DEVICES. VERTICAL REINFORCING SHALL BE HELD IN POSITION AT TOP AND BOTTOM OF EACH GROUT POUR AND AT INTERVALS NOT TO EXCEED 182 REBAR DIAMETERS. HORIZONTAL REINFORCING SHALL BE HELD IN POSITION AT EACH END AND AT INTERVALS NOT TO EXCEED 182 REBAR DIAMETERS.
- SPICE VERTICAL REBAR WITH FOUNDATION DOWELS THAT MATCH GRADE, QUANTITY, SIZE AND SPACING. EXTEND DOWELS INTO FOOTINGS AND TERMINATE WITH A STANDARD HOOK 3' ABOVE BOTTOM OF FOOTING UNO. DOWELS SHALL BE STRAIGHT AND PLUMB.
- PLACE VERTICAL REBAR IN CONTINUOUS VERTICAL CELLS. PLACE HORIZONTAL REBAR IN CONTINUOUS HORIZONTAL BOND BEAM UNITS. CONSTRUCT MASONRY AND CUT UNITS TO MAINTAIN THE CLEAR AND UNOBSTRUCTED CONTINUITY OF THE REINFORCED VERTICAL AND HORIZONTAL CELLS.
- REBAR BENDS AND HOOKS SHALL COMPLY WITH TYPICAL DETAILS UNO. HAIR PINS AND 180 DEGREE HOOKS SHALL COMPLY WITH TYPICAL DETAIL FOR STIRRUPS, HOOPS AND TIES. DO NOT BEND REBAR AFTER IT IS EMBEDDED IN GROUT OR MORTAR.
- REBAR SPLICES SHALL BE MADE BY FULL CONTACT LAP SPLICES. SPLICES FOR DIFFERENT REBAR SIZES SHALL BE THE LENGTH REQUIRED FOR THE LARGER REBAR, AT LOCATIONS OTHER THAN FOUNDATION DOWELS. STAGGER ADJACENT LAP SPLICES WITH NO OVERLAP. REBAR SHALL BE LAP SPICED AS FOLLOWS UNO:
  - #3 REBAR - 40 DIA = 15"
  - #4 REBAR - 48 DIA = 24"
  - #5 REBAR - 56 DIA = 35"
  - #6 REBAR - 72 DIA = 54"
  - #7 REBAR - 72 DIA = 83"
  - #8 REBAR - 72 DIA = 72"
- REINFORCEMENT AND EMBEDDED ITEMS SHALL BE PLACED AND ANCHORED TO PREVENT MOVEMENT PRIOR TO GROUTING. BOLTS SHALL BE SET WITH TEMPLATES OR EQUIVALENT MEANS. WHERE EMBEDDED ITEMS PASS THROUGH MASONRY SURFACES CUT A CLEAN HOLE TO PROVIDE A MINIMUM OF 1/2" GROUT ALL AROUND EMBEDDED ITEM.
- LOW-LIFT AND HIGH-LIFT GROUTED CONSTRUCTION SHALL CONFORM TO BUILDING CODE REQUIREMENTS AND THE METHODS USED SHALL BE ACCEPTABLE TO THE ENFORCEMENT AGENCY. HIGH-LIFT GROUTING FOR GROUT POURS OVER 5'-4" IN HEIGHT MAY BE USED WHERE GROUT SPACE DIMENSIONS, OPENINGS, UNIT PATTERN ARRANGEMENTS, REINFORCING, AND EMBEDDED ITEMS DO NOT PREVENT THE FREE FLOW OF GROUT OR HIBIT THE MECHANICAL CONSOLIDATION OF THE GROUT. HIGH-LIFT GROUTING MAY ONLY BE UTILIZED AT SELECT LOCATIONS WITH PRIOR WRITTEN AUTHORIZATION BY THE ARCHITECT AND STRUCTURAL ENGINEER AND SHALL NOT BE CONSIDERED IN THE BASE BID.
- BEFORE GROUTING CLEAN SPACES TO BE GROUTED, REMOVE OVERHANGING MORTAR, MORTAR DROPPINGS, OBSTRUCTIONS AND DEBRIS FROM INSIDE OF SPACES TO BE GROUTED.
- PROVIDE CLEANOUT OPENINGS IN THE BOTTOM COURSE OF MASONRY FOR EACH GROUT POUR OVER 5'-4" IN HEIGHT AND IN THE BOTTOM COURSE OF SUFFICIENT SIZE TO PERMIT THE CLEANING OF GROUT SPACES, REMOVAL OF DEBRIS AND INSPECTION AFTER CLEANING AND INSPECTION. CLOSE CLEANOUTS WITH MORTARED MASONRY BRACED TO RESIST GROUTING PRESSURES.
- GROUT SHALL BE PLACED SUCH THAT SPACES TO BE GROUTED DO NOT CONTAIN VOIDS. SPACES TO BE GROUTED INCLUDE ALL CELLS, BOND BEAMS, VOIDS AND SPACES CREATED BY THE MASONRY CONSTRUCTION. SPACES TO BE GROUTED SHALL BE FILLED SOLIDLY WITH GROUT UNO. PARTIAL GROUTING IS NOT PERMITTED UNLESS SPECIFICALLY NOTED. GROUTING SHALL BE PERFORMED UNDER THE CONTINUOUS OBSERVATION OF A QUALIFIED INSPECTOR.
- THE GROUTING OF ANY SECTION OF WALL SHALL BE COMPLETED IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER PROVIDE HORIZONTAL GROUT CONSTRUCTION JOINTS. DO NOT FORM HORIZONTAL GROUT CONSTRUCTION JOINTS IN BEAMS OR LINTELS.
- THE SECTION OF WALL TO BE GROUTED IN ANY ONE POUR IS LIMITED TO A LENGTH IN WHICH SUCCESSIVE LIFTS CAN BE PLACED WITHIN ONE HOUR OF THE PRECEDING LIFTS. CONSTRUCT HIGH-HEIGHT VERTICAL GROUT BARRIERS BETWEEN POUR SECTIONS TO CONTROL THE HORIZONTAL FLOW OF GROUT.
- GROUT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACEMENT BEFORE LOSS OF PLASTICITY IN A MANNER TO FILL THE GROUT SPACE. GROUT POURS GREATER THAN 12" IN HEIGHT SHALL BE RECONSOLIDATED BY MECHANICAL VIBRATION TO MINIMIZE VOIDS DUE TO WATER LOSS. GROUT RECONSOLIDATION SHALL OCCUR AFTER EXCESS MOISTURE HAS BEEN ABSORBED BUT BEFORE WORKABILITY HAS BEEN LOST.
- PREPARE, CONSTRUCT AND PROTECT MASONRY WORK FROM THE WEATHER UNTIL GROUTED AND CURED. DO NOT PLACE UNIT MASONRY WHEN TEMPERATURE FALLS BELOW 40 DEG F. PROVIDE SUBMITTAL OF COLD WEATHER CONSTRUCTION PROCEDURES FOR ARCHITECT'S APPROVAL AND IMPLEMENTATION. WHEN THE AIR TEMPERATURE FALLS BELOW 40 DEG F IMPLEMENT HOT WEATHER CONSTRUCTION PROCEDURES WHEN THE AIR TEMPERATURE EXCEEDS 90 DEG F.
- CLEAN EXPOSED MASONRY SURFACES TO REMOVE STAINS, EFFLORESCENCE, MORTAR OR GROUT DROPPINGS, AND DEBRIS.

**REINFORCED CONCRETE**

- CONCRETE MATERIALS, QUALITY CONTROL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318.
- SEE CONCRETE MIX DESIGN TABLE FOR REQUIRED CONCRETE PROPERTIES.
- PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE II.
- AGGREGATES SHALL CONFORM TO ASTM C33 FOR NORMAL-WEIGHT AND ASTM C330 FOR LIGHTWEIGHT CONCRETE. MAXIMUM AGGREGATE SIZE USED IN MIXES SHALL BE APPROPRIATE FOR FORM AND REBAR CLEARANCES TO BE ENCOUNTERED.
- REINFORCING STEEL SHALL CONFORM TO ASTM A706, GRADE 60, OR ASTM A615, GRADE 60.
- REINFORCING STEEL SHALL CONFORM TO ASTM A706, GRADE 60. REINFORCING STEEL CONFORMING TO ASTM A615 MAY BE USED IF THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 18,000 PSI AND THE RATIO OF THE ACTUAL TENSILE STRENGTH TO THE ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25.
- REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60. WELD FILLER METAL FOR REINFORCING STEEL SHALL COMPLY WITH AWS D1.4, Fu=80 KSI. WELDING SHALL CONFORM WITH AWS D1.4.
- WELDED WIRE REINFORCEMENT SHALL BE COMPOSED OF FLAT SHEETS AND CONFORM TO ASTM A1064.
- DIMENSIONS LOCATING REINFORCING STEEL ARE TO THE FACE OF REINFORCING STEEL AND DENOTE CLEAR COVERAGE. MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS, UNO.
  - A. CONCRETE CAST AGAINST EARTH (EXCEPT SLAB ON GRADE) - 3"
  - B. CONCRETE FORMED TO WEATHER OR EARTH:
    - SLAB ON GRADE - CENTER REIN IN SLAB, UNO
    - #6 THRU #18 BARS - 2"
    - #5 BAR, W31 OR D31 WIRE, & SMALLER - 1 1/2"
  - C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:
    - BEAMS & COLUMNS - 1 1/2"
    - SLABS & WALLS: #4 & #18 BARS - 1 1/2", #11 BAR & SMALLER - 3/4"
- SPLICES IN CONTINUOUS REINFORCING SHALL BE LAPPED AS NOTED IN THE TYPICAL DETAIL, UNO. SPLICES IN ADJACENT BARS SHALL BE STAGGERED SO THERE IS NO OVERLAP. LAP SPLICES OF #14 & #18 REBAR IS NOT PERMITTED AND BARS SHALL BE CONTINUOUS ONE PIECE FOR THE FULL LENGTH SHOWN. LAP SPLICES OF REBAR IN A BUNDLE SHALL BE EQUAL TO THE LAP SPICE LENGTH REQUIRED FOR THE INDIVIDUAL BARS WITHIN THE BUNDLE MULTIPLIED BY 1.33. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPICED.
- UNLESS DETAILED OTHERWISE: REINFORCING IN CONTINUOUS BEAMS AND SPANDRELS SHALL HAVE THE TOP BARS SPICED AT MID-SPAN AND THE BOTTOM BARS SPICED AT THE CENTERLINE OF SUPPORTS. REINFORCING IN CONTINUOUS SOIL-BEARING GRADE BEAMS OR FOOTINGS SHALL HAVE THE TOP BARS SPICED AT CENTERLINE OF COLUMN SUPPORTS AND THE BOTTOM BARS SPICED AT MID-SPAN. AT DISCONTINUOUS ENDS, THE BARS SHALL BE TERMINATED WITH A STANDARD HOOK EXTENDED TO THE FAR FACE OF THE SUPPORT OR BEAM.
- PROVIDE FOUNDATION DOWELS TO MATCH GRADE, QUANTITY, SIZE & SPACING OF WALL COLUMN REINFORCEMENT. EXTEND DOWELS INTO FOOTINGS AND TERMINATE WITH A STANDARD HOOK 3' ABOVE BOTTOM OF FOOTING, UNO. PROVIDE STANDARD LAP AT DOWELS TO EACH WALL COLUMN REBAR.
- HOOKS SHALL BE STANDARD HOOKS, UNO.
- ITEMS TO BE EMBEDDED IN CONCRETE, SUCH AS REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC SHALL BE SECURELY TIED AND SUPPORTED PRIOR TO PLACING CONCRETE.
- THE LOCATION OF SLAB ON GRADE JOINTS SHALL BE AS INDICATED ON THE DRAWINGS. SLAB ON GRADE JOINT SPACINGS ARE NOT TO EXCEED 12'-0" IN EITHER DIRECTION, UNO. SUBMIT LOCATION PLAN FOR ALL PROPOSED JOINTS FOR REVIEW.
- SURFACE OF CONSTRUCTION JOINTS SHALL BE CLEANED AND LAITANCE REMOVED. IMMEDIATELY BEFORE CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE WETTED AND STANDING WATER REMOVED. CONSTRUCTION JOINT SURFACES SHALL BE ROUGHENED TO A 1/4" MINIMUM AMPLITUDE, UNO.
- FORM 3/4" CHAMFER AT ALL EXPOSED WALL AND COLUMN EDGES AND CORNERS, UNO.
- EXTERIOR SLABS INCLUDING SIDEWALKS SHALL BE 4" MIN THICKNESS AND HAVE 6x6-W1.4xW1.4 WIRE IN CENTER OF SLAB, UNO.
- NO CONDUIT, PIPE, OR SLEEVES LARGER THAN 1" OD SHALL BE PLACED IN OR THROUGH CONCRETE BEAMS OR SLABS UNLESS SPECIFICALLY DETAILED AND APPROVED BY THE STRUCTURAL ENGINEER. CONDUIT OR PIPES 1" OD AND SMALLER SHALL BE SPACED & POSITIONED SUCH THAT THE EFFECTIVENESS OF THE REBAR IS NOT REDUCED.

**CONCRETE MIX DESIGN**

MIX DESIGN TABLE							
LOCATION	REQ MIN SCM (% BY WEIGHT OF TOTAL CEMENTITIOUS MATERIALS)	REQ EARLY COMPRESSIVE STRENGTH (PSI)	REQ 28 DAY COMPRESSIVE STRENGTH (PSI)	AIR CONTENT	MAX W/C RATIO	MAX AIR-DRY WEIGHT (LBS/FT <sup>3</sup> )	ACI EXPOSURE CLASS
BELOW GRADE CONCRETE (PIERS, GRADE BEAMS)	15	2500 PRIOR TO LOADING	3000	NONE	0.50	145	F0, S0, C1
SLAB ON GRADE AND BUILDING CURBS	15	-	3000 (4000 MIN AT DYED AND POLISHED FINISH)	NONE*	0.45	145	F0, S0, W0, C1
WALLS, ELEVATED BEAMS, SLABS AND COLUMNS	15	4000 PRIOR TO ELEVATED FORM REMOVAL	5000	NONE	0.45	145	F0, S0, C1
LIGHTWEIGHT CONCRETE FILL OVER STEEL DECK	15	3000 PRIOR TO LOADING	4000	NONE*	0.45	110	F0, S0, W0, C1
SITE RETAINING WALLS	15	3000 PRIOR TO BACKFILL	3000	NONE	0.45	145	F0, S0, W0, C1
SITE CONCRETE (PAVEMENTS, CURBS AND GUTTERS) UNLESS OTHERWISE SPECIFIED	15	-	3500	NONE*	0.50	145	F0, S0, W0, C1

\* 3 PERCENT MAX AIR AT STEEL TROWELED CONCRETE UNLESS CONTRACTOR CAN ASSURE THAT DELAMINATION WILL NOT OCCUR. PROTECT SLABS FROM FREEZE-THAW UNTIL SPACE IS CONDITIONED IF AIR CONTENT IS LESS THAN 4.5 PERCENT.



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LICENSE STAMPS



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## COLD-FORMED STEEL SHAFT WALL

SE-16200-NR22  
17028-Q2

- REQUIREMENTS OF THE "COLD-FORMED STEEL FRAMING" NOTES SHALL APPLY, UNO TO SHAFT WALL CONSTRUCTION.
- THE DESIGN, INSTALLATION AND CONSTRUCTION OF COLD-FORMED STEEL SHAFT WALL FRAMING SHALL COMPLY WITH THE REQUIREMENTS OF FIRE-RESISTANCE RATED ASSEMBLIES INDICATED IN THE UNITED STATES GYPSUM (USG) SYSTEM FOLDER SA926.
- PRODUCTS SHALL BE MANUFACTURED BY OR FOR THE UNITED STATES GYPSUM COMPANY AND COMPLY WITH ICC LEGACY REPORT NER-258.
- STEEL MEMBERS SHALL COMPLY WITH ASTM C645.
- SEE ARCHITECTURAL DRAWINGS FOR REQUIRED FIRE-RESISTANCE RATED ASSEMBLIES.
- ALL STEEL SHAFT WALL MEMBERS SHALL HAVE THE MINIMUM EFFECTIVE STRUCTURAL SECTION PROPERTIES AS GIVEN IN TABLES BELOW.

SHAFT WALL COMPONENT SECTION PROPERTIES									
COMPONENT	USG PRODUCT IDENTIFICATION	MEMBER DEPTH d (in)	FLANGE WIDTH b (in)	MILS	REF GA	AREA A (in <sup>2</sup> )	EFFECTIVE		S <sub>x</sub> (in <sup>4</sup> )
							k <sub>x</sub> (in <sup>3</sup> )	S <sub>y</sub> (in <sup>4</sup> )	
C-H STUDS	212CH-18	2 1/2	1 1/2	18	25	0.1524	0.129	0.093	
	212CH-34	2 1/2	1 1/2	34	20	0.2910	0.239	0.1741	
	400CH-18	4	1 1/2	18	25	0.1798	0.383	0.162	
	400CH-34	4	1 1/2	34	20	0.3433	0.730	0.318	
DOUBLE E-STUDS	600CH-34	6	1 1/2	34	20	0.4227	1.996	0.569	
	600ES-18	6	2	18	25	0.3982	2.004	0.628	
	600ES-34	6	2	34	20	0.6394	3.400	1.094	
	212JR-23	2 1/2	1 & 2	23	24	0.1346	0.117	0.085	
J-RUNNER	212JR-34	2 1/2	1 & 2	34	20	0.2039	0.192	0.130	
	400JR-23	4	1 & 2	23	24	0.1705	0.351	0.163	
	400JR-34	4	1 & 2	34	20	0.2577	0.574	0.251	
	600JR-23	6	1 & 2	23	24	0.2183	0.937	0.295	
JAMB STRUT	600JR-34	6	1 & 2	34	20	0.3295	1.523	0.457	
	212JS-34	2 1/2	1 & 3	34	20	0.2398	0.226	0.143	
	400JS-34	4	1 & 3	34	20	0.2936	0.647	0.270	
E-STUDS	600ES-34	6	1 & 3	34	20	0.3654	1.673	0.485	
	212ES-34	2 1/2	1	34	20	0.1902			
	400ES-34	4	1	34	20	0.2522			
600ES-34	6	1	34	20	0.3182	1.700	0.5470		

## COLD-FORMED STEEL FRAMING

SE-16200-NR22  
17028-Q2

- THE DESIGN, INSTALLATION AND CONSTRUCTION OF COLD-FORMED STEEL FRAMING SHALL BE IN ACCORDANCE WITH THE FOLLOWING AISI NORTH AMERICAN STANDARDS: S100 - SPECIFICATION FOR THE DESIGN OF STRUCTURAL MEMBERS S200 - GENERAL PROVISIONS S210 - FLOOR AND ROOF SYSTEM DESIGN S211 - WALL STUD DESIGN S212 - HEADER DESIGN S213 - LATERAL DESIGN S214 - TRUSS DESIGN
- ALL PRODUCTS SHALL POSSESS DIMENSIONS, SECTION PROPERTIES AND MATERIALS IN COMPLIANCE WITH THE AISI D100 MANUAL OF COLD-FORMED STEEL DESIGN AND BE MANUFACTURED BY A CURRENT MEMBER OF THE "STEEL STUD MANUFACTURERS ASSOCIATION" (SSMA) OR "STEEL FRAMING INDUSTRY ASSOCIATION" (SFIA).
- PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS USED.
- STEEL MEMBERS AND COMPONENTS SHALL BE GALVANIZED ZINC-COATED PER ASTM A653 WITH COATING WEIGHTS AS FOLLOWS UNO: NON-STRUCTURAL MEMBERS G40; STRUCTURAL MEMBERS G60. ALL MEMBERS PERMANENTLY EXPOSED TO UN-CONDITIONED AIR G90. ALL MEMBERS USED IN MARINE ENVIRONMENTS G185.
- STEEL MEMBERS 18 GA OR LIGHTER SHALL BE MANUFACTURED PER A1003 STRUCTURAL GRADE 33 TYPE H (S133H), AND 16 GA OR HEAVIER PER A1003 STRUCTURAL GRADE 50, TYPE H (S150H).
- THE MINIMUM UNCOATED STEEL THICKNESS AS DELIVERED TO THE JOBSITE SHALL BE: 25 GA = 0.018", 22 GA = 0.027", 20 GA = 0.033", 18 GA = 0.043", 16 GA = 0.054", 14 GA = 0.068", 12 GA = 0.097".
- STUDS/JOISTS SHALL HAVE 1/8" WIDE FLANGES, TYP UNO.
- STUDS/JOISTS SHALL HAVE WEB PUNCH-OUTS AT 24" OC AT MID-DEPTH. PUNCH-OUTS SHALL NOT EXCEED 1/2" IN WIDTH, AND 4" IN LENGTH. NO OTHER OPENINGS IN STUDS/JOISTS ARE PERMITTED UNLESS SPECIFICALLY DETAILED.
- TRACK SHALL MATCH STUD/JOIST DEPTH & GAGE, AND FLANGE WIDTH SHALL BE 1 1/4", TYP. UNO. ALL TRACKS TO BE UNPUNCHED WITH SOLID WEBS.
- FASTENING OF FRAMING COMPONENTS SHALL BE WITH SELF-DRILLING SELF-TAPPING SCREWS OR WELDS. WHERE DETAILS CALL FOR SCREWS, THE MINIMUM SIZES SHALL BE AS FOLLOWS: #8 FOR 22 GA OR LIGHTER MATERIAL, #9 FOR 20 GA MATERIAL, #10 FOR 18 & 16 GA MATERIAL, & #12 FOR 14 GA OR HEAVIER MATERIAL. TYP UNO. SCREW SIZE IS DETERMINED BY THE GA OF THE THICKEST PART BEING JOINED UNO. INSTALL SCREWS WITH THE HEAD IN CONTACT WITH THE THINNEST PART BEING JOINED UNO. AS AN ALTERNATE, STEEL MEMBERS 18 GA OR HEAVIER MAY BE WELDED WITH A 1/2" LONG WELD (FILLET OR FLARE GROOVE) INSTEAD OF EACH SCREW, TYP UNO.
- SCREW SPACING SHALL NOT BE LESS THAN 3 TIMES THE NOMINAL SCREW DIAMETER. SCREW EDGE DISTANCE SHALL NOT BE LESS THAN 1.5 TIMES THE NOMINAL SCREW DIAMETER. PENETRATION OF SCREWS THROUGH JOINED MATERIALS SHALL NOT BE LESS THAN 3 EXPOSED THREADS. SCREW HEADS SHALL BE LOW-PROFILE TYPE.
- SCREWS SHALL CONFORM WITH ASTM C1513 AND HAVE A CORROSION-RESISTANT COATING.
- BOLTS SHALL BE INSTALLED IN STANDARD SIZE HOLES. UNO, STANDARD SIZE HOLES SHALL BE 1/16" OVER 1/32" FOR BOLTS SMALLER THAN 1/2" DIA, AND BOLT DIA + 1/16" AT 1/2" DIA AND LARGER BOLTS.
- WELDING SHALL CONFORM WITH AWS D1.3. WELDING TO STRUCTURAL STEEL SHALL ALSO CONFORM WITH AWS D1.1. THE ELECTRODES USED FOR WELDING SHALL HAVE A MINIMUM YIELD STRENGTH OF 60 KSI. WELDS OF GALVANIZED STEEL SHALL BE COATED WITH A ZINC-RICH PAINT.
- FASTENING OF SHEATHING SHALL BE WITH SELF-DRILLING SELF-TAPPING SCREWS, #6 MIN FOR GYPSUM BOARD & #8 MIN FOR STRUCTURAL PANELS. SCREW HEADS SHALL BE COUNTER SUNK FLAT-PROFILE TYPE.
- NON-STRUCTURAL INTERIOR WALLS SUPPORTED AT THE BASE AND EXTENDING TO THE BOTTOM OF STRUCTURE ABOVE SHALL HAVE SLIP TRACKS AT THE TOP. UNO.
- FRAME INDIVIDUAL MEMBERS AND EACH ELEMENT OF BUILT-UP MEMBERS, CONTINUOUS ONE PIECE BETWEEN SUPPORTS. SPLICE ONLY WHERE SPECIFICALLY NOTED.

## STEEL DECKING

SE-16200-NR22  
18128-Q2

- STEEL DECKING WORK, MATERIALS, CONSTRUCTION AND QUALITY SHALL BE IN ACCORDANCE WITH THE BUILDING CODE.
- PRODUCTS SHALL POSSESS CURRENT EVALUATION AGENCY APPROVALS WITH SECTION DIMENSIONS, PROPERTIES AND MATERIALS IN COMPLIANCE WITH THE THE TYPICAL DETAILS. SEE CONSTRUCTION DOCUMENTS FOR STEEL DECK TYPE AND GAGE.
- WELDING MATERIALS AND PROCEDURES SHALL CONFORM TO AWS D1.3. WELDING TO STRUCTURAL STEEL SHALL ALSO CONFORM TO AWS D1.1. ELECTRODES USED FOR WELDING SHALL HAVE A MINIMUM 60ksi FILLER METAL YIELD STRENGTH.
- BARE STEEL DECK SHALL BE MANUFACTURED BY: - ASK STEEL DECK PER IAPMO IER 0161 CONCRETE FILLED STEEL DECK SHALL BE MANUFACTURED BY - ASK STEEL DECK PER IAPMO IER 0329
- SHEET STEEL ACCESSORIES SHALL BE FABRICATED FROM THE SAME GAUGE AND MATERIALS AS ADJACENT STEEL DECK. UNO.
- STEEL DECK SHALL BE FABRICATED FROM GALVANIZED SHEET STEEL CONFORMING TO ASTM A563. STRUCTURAL STEEL (SS) DESIGNATION, MINIMUM GRADE AS INDICATED IN EVALUATION AGENCY REPORT.
- STEEL DECK AND ACCESSORIES SHALL BE GALVANIZED ZINC-COATED IN CONFORMANCE WITH ASTM A653 WITH COATING WEIGHTS AS FOLLOWS UNO. STANDARD DECK COATING SHALL BE G90. UNO. DECK COATING AT HIGH ROOF SHALL BE G185.
- STEEL DECK SHALL BE CONTINUOUS OVER MULTIPLE SPANS WHERE FRAMING PERMITS. LAYOUT OF STEEL DECK TO PROVIDE TWO SPANS MINIMUM AND THREE SPANS OR GREATER WHERE POSSIBLE. SINGLE SPANS SHALL OCCUR ONLY WHERE CONTINUITY CANNOT BE MADE ONTO ADJACENT SPANS.
- STEEL DECK SHALL BE INSTALLED WITH A MINIMUM INTERMEDIATE AND END BEARING OF 2" OVER STRUCTURAL SUPPORTS. STEEL DECK SPLICES SHALL BE BUTTED WITH RIBS ALIGNED. UNO. BARE STEEL DECK MAY BE LAP SPliced WITH A MINIMUM LAP OF 2" PROVIDED THE JOINT ENDS ARE SET UNO.
- STEEL DECK SPLICES SHALL BE CENTERED OVER A COMMON MEMBER.
- ARC SPOT WELDS SHALL HAVE A MINIMUM 1/2" DIAMETER EFFECTIVE SIZE. ARC SPOT WELD MINIMUM DECK EDGE DISTANCE SHALL BE 1.5 TIMES THE VISIBLE WELD DIAMETER MEASURED FROM THE CENTER OF THE WELD.
- ARC SEAM WELDS MAY BE SUBSTITUTED FOR ARC SPOT WELDS. ARC SEAM WELDS SHALL HAVE A MINIMUM 3/8" WIDE BY 1/8" LONG EFFECTIVE SIZE. ARC SEAM WELD MINIMUM DECK EDGE DISTANCE SHALL BE 1.5 TIMES THE VISIBLE WELD DIAMETER MEASURED FROM THE LONGITUDINAL AXIS OR FROM THE CENTER OF THE END RADIUS OF THE WELD.
- THE MINIMUM CLEAR DISTANCE BETWEEN ADJACENT WELDS AND BETWEEN A WELD AND THE DECK EDGE SHALL BE NO LESS THAN THE VISIBLE WELD DIAMETER.
- FILLET WELDS SHALL HAVE A MINIMUM LEG SIZE EQUAL TO THE THICKNESS OF THE THINNEST SHEET STEEL BEING ATTACHED. FILLET WELDS SHALL HAVE A MINIMUM LENGTH OF 3/4".
- FLARE GROOVE WELDS SHALL HAVE A MINIMUM WELD THROAT SIZE EQUAL TO THE THICKNESS OF THE THINNEST SHEET STEEL BEING ATTACHED. FLARE GROOVE WELDS SHALL HAVE A MINIMUM LENGTH OF 3/4".
- STEEL DECK PANELS AT CANTILEVERED CONDITIONS AND AT PARTIAL WIDTH PANELS SHALL HAVE CONNECTIONS FOR THE ENTIRE LENGTH OF THE DECK PANEL AS FOLLOWS: CONNECTIONS TO EACH STRUCTURAL SUPPORT AT EACH LOW FLUTE AND SIDE SEAM CONNECTIONS AT ENDS AND 12" ON CENTER MAXIMUM.
- ACCESSORIES SHALL BE FASTENED TO SUPPORTING STEEL DECK AND STRUCTURAL MEMBERS BY CONNECTIONS SPACED AT 12" MAXIMUM ON CENTER AND AT EACH END.
- PROVIDE EDGE FORMS, FLASHING, CLOSURE PLATES, AND SUPPLEMENTARY SUPPORTS FOR DECK EDGES AT BUILDING PERIMETER, AT OPENINGS AND AT PENETRATIONS THROUGH DECK.
- DO NOT SUSPEND OR ATTACH SUPPORTS FOR NONSTRUCTURAL COMPONENTS FROM BARE STEEL DECK. EXCEPT FOR COMPONENTS WEIGHING LESS THAN 100 LBS OR HANGER WIRE SUSPENDED ACQUISITELY OR SINGLE-LAYER GYPSUM BOARD CEILING (MAXIMUM CEILING SYSTEM WEIGHT OF 4 PSF) INCLUDING THEIR INTEGRALLY SUPPORTED LIGHT FIXTURES, TERMINALS AND DEVICES. COORDINATE HANGER WIRE SUPPORT DETAILS WITH STEEL DECK INSTALLATION.
- SUPPORTS OR ANCHORS FOR ITEMS NOT PERMITTED TO BE ATTACHED TO STEEL DECK SHALL BE SUPPORTED BY STRUCTURAL FRAMING. PROVIDE ADDITIONAL TRAPEZE HANGERS OR SUPPLEMENTARY FRAMING AS NECESSARY.
- DO NOT SUSPEND OR ATTACH SUPPORTS FOR NONSTRUCTURAL COMPONENTS FROM CONCRETE FILLED STEEL DECK WHERE THE ATTACHMENT WILL SUPPORT GREATER THAN 250 LBS.
- STEEL DECK WITH CONCRETE FILL SHALL BE COMPOSITE STEEL DECK UNO.
- PROVIDE SHORING WHEN THE SPAN OF CONCRETE FILLED STEEL DECK EXCEEDS THE MAXIMUM PERMISSIBLE UNSHORED SPAN OF THE STEEL DECK AS INDICATED IN THE EVALUATION AGENCY REPORT.
- CONCRETE FILLED NON-CELLULAR STEEL DECK SHALL BE VENTED WITH FACTORY PUNCHED HOLES, EXCEPT WHERE DECK UNDERSIDE IS PERMANENTLY EXPOSED.
- WHERE WELDED HEADED STUD CONNECTORS TO STRUCTURAL SUPPORTS ARE USED THEY MAY REPLACE A REQUIRED STEEL DECK CONNECTION.
- THE FIRST STEEL DECK PANEL AT CONCRETE FILLED STEEL DECK ADJACENT AND PARALLEL TO SHEAR WALLS, DRAGS, COLLECTORS, OR ELEMENTS IDENTIFIED AS PART OF THE SFRS SHALL BE A FULL WIDTH PANEL.
- NO PIPES, DUCTS OR CONDUNTS ARE TO BE EMBEDDED IN CONCRETE FILL OVER STEEL DECK UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL CONSTRUCTION DOCUMENTS.

## STRUCTURAL STEEL

SE-16200-NR22  
18128-Q2

- THE DESIGN, FABRICATION AND ERECTION OF STEEL SHALL BE IN ACCORDANCE WITH AISC 360 AND AISC 341 INCLUDING ANY ENFORCEMENT AGENCY AMENDMENTS.
  - STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING. UNO.
- | STEEL PRODUCT  | ASTM SPECIFICATION  | UNO COMMENTS |
|--|---|--------------|
| W & WT SHAPES  | A992, GRADE 50  | Fy = 50ksi   |
| H-IP SHAPES  | A572, GRADE 50  | Fy = 50ksi   |
| M, MT, S & ST SHAPES                                     | A36   | Fy = 36ksi   |
| CHANNELS (C & MC)  | A36   | Fy = 36ksi   |
| ANGLES   | A36   | Fy = 36ksi   |
| RODS & BARS  | A36, TYP. UNO   | Fy = 36ksi   |
| PLATES   | A572, GRADE 50  | Fy = 50ksi   |
| RAISED-PATTERN FLOOR PLATE                               | A786, MEETING ASTM A36  | Fy = 36ksi   |
| PIPES  | A53, GRADE B  | Fy = 35ksi   |
| ROUND HSS  | A500, GRADE C   | Fy = 36ksi   |
| RECTANGULAR & SQUARE HSS                                 | A500, GRADE C   | Fy = 36ksi   |
| HIGH-STRENGTH BOLTS                                      | A325, HEAVY HEX, TYPE 1   | Fy = 92ksi   |
| TWIST-OFF-TYPE TENSION-CONTROL BOLTS                     | A307, GRADE A, HEX  | Fy = 60ksi   |
| BOLTS  | A307, GRADE A, HEX  | Fy = 60ksi   |
| WASHERS  | F844  | Fy = 36ksi   |
| PLATE WASHERS  | A36   | Fy = 36ksi   |
| HARDENED WASHERS   | F436, TYPE I  |              |
| DIRECT-TENSION INDICATOR WASHERS                         | F199, TYPE 325  |              |
| NUTS FOR BOLTS & RODS                                    | A563, GRADE C, HEAVY HEX GRADE DH IF GALVANIZED GRADE DH W/ F1554 GRADE 105 BOLTS |              |
| ANCHOR BOLTS & RODS (HEADED OR THREADED & NUTTED)        | F1554, CLASS 2A, S3   | Fy = 36ksi   |
| WELDED HEADED STUDS, SHEAR STUDS, & WELDED THROUGH STUDS | GRADE 36 TYP. UNO GRADE 55, S1 & S4 GRADE 105, S4 & S5 A1015, GRADES 1010 - 1020  | Fy = 48ksi   |
| WELDED HEADED STUDS, SHEAR STUDS, & WELDED THROUGH STUDS | A498  | Fy = 75ksi   |
| WELD FILLER METAL  | A505, E70T1   | Fy = 70ksi   |
| TURNBUCKLES  | F1145 & AISI C-1035   |              |
| CLEVISES, CLEVIS PINS, COTTER PINS                       | AISI C-1035   |              |
| EYEBOLTS & EYEBOLT NUTS                                  | AISI C-1018, GRADE 2  |              |
| SLEEVE NUTS & PINS                                       | A36   |              |
| RECESSED NUTS & PINS                                     | AISI 12L14 CARBON STEEL   |              |
- STEEL SHALL RECEIVE ONE COAT OF PRIMER PAINT. UNO. DO NOT PAINT SURFACES IN DIRECT CONTACT WITH CONCRETE OR MASONRY WHERE FILL WELDING IS REQUIRED. GALVANIZED STEEL OR CONTACT SURFACES OF STEEL-TO-STEEL, AND DECK-TO-STEEL CONNECTIONS. CONCEALED STEEL DOES NOT REQUIRE PAINT. UNO.
  - EXPPOSED STEEL ABOVE LEVEL 4 AND THEIR CONNECTIONS, AND ANY OTHER EXPOSED STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED UNO. GALVANIZED COATING SHALL BE G120. PROVIDE FILL AND VENT HOLES AT ENCLOSED SPACES OF HOLLOW PIECES. SEAL HOLES WATER-TIGHT AFTER GALVANIZING. PROVIDE DRAIN HOLES AS REQUIRED AT SOLID PIECES. HOLE SIZES AND LOCATIONS SHALL NOT DETRIMENTALLY AFFECT THE PIECES STRUCTURAL CAPACITY AND ARE SUBJECT TO THE STRUCTURAL ENGINEERS REVIEW.
  - EXPPOSED STRUCTURAL STEEL MEMBERS AND CONNECTIONS VISIBLE TO THE PUBLIC AND BUILDING OCCUPANTS (OTHER THAN MAINTENANCE AREAS) SHALL MEET THE FOLLOWING CRITERIA:
    - FABRICATION, HANDLING, AND SHIPPING SHALL EMPLOY SPECIAL CARE TO ENSURE ACCEPTABLE FINISHED APPEARANCE.
    - WELDS SHALL BE GROUND SMOOTH. GROOVE WELDS SHALL BE MADE FLUSH (+ 1/16", -0"). OVERSIZE WELDS AS REQUIRED.
    - FIELD-WELDING AIDS AND ERECTION AIDS SHALL BE REMOVED AND STEEL SHALL BE REPAIRED AND GROUND SMOOTH.
    - SHOP PIECE MARKS AND MILL MARKS SHALL BE LOCATED SUCH THAT THEY ARE FULLY HIDDEN IN THE FINAL STRUCTURE OR ARE MADE WITH SUCH MEDIA TO PERMIT FULL REMOVAL AFTER ERECTION.
    - GRIND EDGES OF SHEARED, PUNCHED OR FLAME CUT STEEL IN AREAS WITHIN REACH TO TOUCH BY THE PUBLIC AND BUILDING OCCUPANTS.
    - ALIGN AND ORIENT BOLTED CONNECTIONS TO BE UNIFORM AND CONSISTENT.
  - PROVIDE CONCRETE / MASONRY COVER AT STEEL BELOW GRADE. STEEL EMBEDDED IN CONCRETE CAST AGAINST EARTH SHALL HAVE 3" MIN COVER. STEEL EMBEDDED IN FORMED CONCRETE OR MASONRY SHALL HAVE 2" MIN COVER.
  - WELDING MATERIALS & PROCEDURES SHALL CONFORM WITH AWS D1.1. AND AWS D1.8 WHERE APPLICABLE.
  - MINIMUM SIZE OF FILLET WELDS: 1/8" FOR MATERIAL 1/8" TO 1/4" THICK, 3/16" FOR MATERIAL OVER 1/4" TO 1/2" THICK, 1/4" FOR MATERIAL OVER 1/2" TO 3/4" THICK, AND 5/16" FOR MATERIAL OVER 3/4" THICK. MATERIAL THICKNESS IS FOR THINNER PART JOINED. SINGLE PASS WELDS MUST BE USED FOR SIZES SHOWN. SIZE OF WELD IS LEG DIMENSION OF FILLET. MINIMUM EFFECTIVE LENGTH OF FILLET WELDS SHALL BE NOT LESS THAN FOUR TIMES THE FILLET SIZE. MINIMUM EFFECTIVE LENGTH OF INTERMITTENT FILLET WELDS SHALL BE 1 1/2".
  - GROOVE WELDS SHALL BE COMPLETE JOINT PENETRATION WELDS. UNO. GROOVE WELDS SHALL BE TERMINATED AT THE END OF JOINTS IN A MANNER THAT WILL ENSURE SOUND WELDS. USE WELD TABS AND BACKING BARS ALIGNED TO PROVIDE AN EXTENSION OF THE JOINT PREPARATION. REMOVE EXTENSIONS UPON COMPLETION & COOLING OF THE WELD. GRIND ENDS OF THE WELD SMOOTH AND FLUSH WITH THE EDGES OF THE ABUTTING PARTS.
  - WHERE "ALL AROUND" FILLET WELDS ARE INDICATED AT CONCEALED/NON-EXPOSED SQUARE OR RECTANGULAR HSS CONNECTIONS TO PLATES, FILLET WELDS ARE NOT REQUIRED AT RADIIUSED CORNERS. UNO.
  - BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL BE PLACED IN STANDARD SIZE HOLES, TYP UNO. BOLTS FOR STEEL-TO-CONCRETE/MASONRY CONNECTIONS SHALL BE PLACED IN ANCHOR ROD HOLES. TYP UNO. HOLE DIMENSIONS SHALL BE AS SHOWN IN TABLES BELOW. USE STANDARD AISC PITCH & GAGE FOR BOLTED CONNECTIONS. UNO.
  - IF A BOLT HEAD OR NUT OF A STEEL-TO-STEEL BOLTED CONNECTION BEARS ON A SLOPING SURFACE, USE A STAINLESS BEVELED WASHER IN THE BOLT ASSEMBLY AT THAT SURFACE.
- | HOLE DIMENSIONS AT STAINLESS STEEL TO STAINLESS STEEL CONNECTIONS |                |                 |                             |                            |
|---|----------------|-----------------|-----------------------------|----------------------------|
| BOLT DIA, D   | STANDARD (DIA) | OVERSIZED (DIA) | SHORT SLOT (WIDTH X LENGTH) | LONG SLOT (WIDTH X LENGTH) |
| 1/2"  |                | 5/8"            | 9/16" x 3/4"                | 9/16" x 1 1/4"             |
| 5/8"  | 1 1/16"        | 3/4"            | 1 1/16" x 7/8"              | 1 1/16" x 1 9/16"          |
| 3/4"  | 1 3/16"        | 7/8"            | 1 3/16" x 1"                | 1 3/16" x 1 7/8"           |
| 7/8"  | 1 5/16"        | 1"              | 1 5/16" x 1 1/8"            | 1 5/16" x 2 3/16"          |
| 1"  | 1 1/16"        | 1 1/8"          | 1 1/16" x 1 1/4"            | 1 1/16" x 2 1/2"           |
| 1 1/8" & GREATER  | D + 1/16"      | D + 1/8"        | (D + 1/16")x(D + 1/4")      | (D + 1/16")x(2.5 x D)      |
- | HOLE DIMENSIONS AT STAINLESS STEEL TO CONCRETE / MASONRY CONNECTIONS |                     |          |                     |
|--|---------------------|----------|---------------------|
| BOLT DIA   | ANCHOR ROD HOLE DIA | BOLT DIA | ANCHOR ROD HOLE DIA |
| 1/2"   | 15/16"              | 1 1/4"   | 2 1/16"             |
| 5/8"   | 1 1/16"             | 1 1/2"   | 2 5/16"             |
| 3/4"   | 1 5/16"             | 1 3/4"   | 2 3/4"              |
| 7/8"   | 1 9/16"             | 2"       | 3 1/4"              |
| 1"   | 1 13/16"            | 2 1/2"   | 3 3/4"              |
- | STAINLESS STEEL PLATE WASHER SCHEDULE (WITH STANDARD HOLE AT CENTER) |                   |          |                    |
|--|-------------------|----------|--------------------|
| BOLT DIA   | STEEL PLATE SIZE  | BOLT DIA | STEEL PLATE SIZE   |
| 1/2"   | 3/16" x 1 1/2" SQ | 1 1/4"   | 1 1/2" x 3" SQ     |
| 5/8"   | 1/4" x 2" SQ      | 1 1/2"   | 1 1/2" x 3 1/2" SQ |
| 3/4"   | 1/4" x 2" SQ      | 1 3/4"   | 5/8" x 4" SQ       |
| 7/8"   | 5/16" x 2 1/2" SQ | 2"       | 3/4" x 5" SQ       |
| 1"   | 3/8" x 3" SQ      | 2 1/2"   | 7/8" x 5 1/2" SQ   |
- STEEL-TO-STEEL BOLTED CONNECTIONS SHALL BE ASSEMBLED UTILIZING HIGH-STRENGTH OR TWIST-OFF-TYPE TENSION CONTROL BOLT ASSEMBLIES. UNO. A BOLT ASSEMBLY CONSISTS OF A MINIMUM OF A BOLT, A HARDENED WASHER AND A NUT. THE HARDENED WASHER SHALL BE PLACED UNDER THE TURNED ELEMENT OF THE BOLT ASSEMBLY. ALSO PROVIDE A HARDENED WASHER AT BOLT HEADS OR NUTS BEARING ON SHORT SLOTTED HOLES. ALSO PROVIDE A 5/16" MINIMUM THICKNESS PLATE WASHER OR CONTINUOUS BAR WITH STD HOLES AT BOLT HEADS OR NUTS BEARING ON LONG SLOTTED HOLES.
  - IF DIRECT-TENSION-INDICATOR (DTI) WASHERS ARE USED, A "DTI" BOLT ASSEMBLY CONSISTS OF A MINIMUM OF A HIGH STRENGTH BOLT, A HARDENED WASHER, A "DTI" WASHER AND A NUT. INSTALL THE "DTI" WITH THE BUMPS FACED TO THE UNDERSIDE OF THE BOLT HEAD OR NUT. THE HARDENED WASHER SHALL BE PLACED UNDER THE TURNED ELEMENT OF THE "DTI" BOLT ASSEMBLY. IF THE "DTI" IS PLACED UNDER THE TURNED ELEMENT OF THE BOLT ASSEMBLY, PLACE THE HARDENED WASHER BETWEEN THE "DTI" AND THE TURNED ELEMENT. ALSO PROVIDE A HARDENED WASHER AT "DTI"'S. BOLT HEADS OR NUTS BEARING ON OVERSIZE OR SHORT SLOTTED HOLES. ALSO PROVIDE A 5/16" MINIMUM THICKNESS PLATE WASHER OR CONTINUOUS BAR W/ STD HOLES AT "DTI"'S. BOLT HEADS OR NUTS BEARING ON LONG SLOTTED HOLES.
  - BOLT HEADS, NUTS OR "DTI"'S OF BOLTED STEEL-TO-STEEL AND STEEL-TO-CONCRETE/ MASONRY CONNECTIONS BEARING ON SLOPING SURFACES SHALL USE A BEVELED HARDENED WASHER IN THE BOLT ASSEMBLY AT THAT SURFACE.
  - HIGH-STRENGTH BOLT ASSEMBLIES SHALL BE PRE-TENSIONED. FAYING SURFACES OF HIGH-STRENGTH BOLT ASSEMBLIES SHALL BE PREPARED AS REQUIRED FOR CLASS A OR BETTER SLIP-CRITICAL JOINTS.

## STRUCTURAL STAINLESS STEEL

SE-16200-NR22  
18128-Q2

- THE DESIGN OF STAINLESS STEEL SHALL BE IN ACCORDANCE WITH ASCE 8. THE FABRICATION AND ERECTION OF STAINLESS STEEL SHALL BE IN ACCORDANCE WITH AISC 360.
  - STAINLESS STEEL SHALL CONFORM TO THE FOLLOWING. UNO.
- | STAINLESS STEEL PRODUCT                                  | ASTM SPECIFICATION | UNO COMMENTS |
|--|--------------------|--------------|
| RECTANGULAR OR SQUARE TUBE                               | A554, S1, S2, S4   | Fy=30ksi     |
| ROUND TUBE   | A554, S1, S2, S4   | Fy=25ksi     |
| PLATES   | A240 OR A666       | Fy=30ksi     |
| BARNS AND SHAPES   | A276               | Fy=30ksi     |
| ANGLES, TEES & CHANNELS                                  | A276               | Fy=30ksi     |
| BOLTS  | F593               | Fy=30ksi     |
| WASHERS  | A240 OR A666       | Fy=30ksi     |
| NUTS FOR BOLTS & RODS                                    | F594               | Fy=30ksi     |
| ANCHOR BOLTS & RODS (HEADED OR THREADED & NUTTED)        | F593               |              |
| WELDED HEADED STUDS, SHEAR STUDS, & WELDED THROUGH STUDS | F593               | Fy=30ksi     |
| WELD FILLER METAL  | PER AWS D1.8       | Fy=70ksi     |
- STAINLESS STEEL PRODUCTS TO BE TYPE 304 STAINLESS STEEL UNLESS OTHERWISE NOTED.
  - PROVIDE CONCRETE / MASONRY COVER AT STEEL BELOW GRADE. STEEL EMBEDDED IN CONCRETE CAST AGAINST EARTH SHALL HAVE 3" MIN COVER. STEEL EMBEDDED IN FORMED CONCRETE OR MASONRY SHALL HAVE 2" MIN COVER.
  - WELDING MATERIALS & PROCEDURES SHALL CONFORM WITH AWS D1.6.
  - MINIMUM SIZE OF FILLET WELDS: 1/8" FOR MATERIAL 1/8" TO 1/4" THICK, 3/16" FOR MATERIAL OVER 1/4" TO 1/2" THICK, 1/4" FOR MATERIAL OVER 1/2" TO 3/4" THICK, AND 5/16" FOR MATERIAL OVER 3/4" THICK. MATERIAL THICKNESS IS FOR THINNER PART JOINED. SINGLE PASS WELDS MUST BE USED FOR SIZES SHOWN. SIZE OF WELD IS LEG DIMENSION OF FILLET. MINIMUM EFFECTIVE LENGTH OF FILLET WELDS SHALL BE NOT LESS THAN FOUR TIMES THE FILLET SIZE. MIN EFFECTIVE LENGTH OF INTERMITTENT FILLET WELDS SHALL BE 1 1/2".
  - GROOVE WELDS SHALL BE COMPLETE JOINT PENETRATION WELDS. UNO. GROOVE WELDS SHALL BE TERMINATED AT THE END OF JOINTS IN A MANNER THAT WILL ENSURE SOUND WELDS. USE WELD TABS AND BACKING BARS ALIGNED TO PROVIDE AN EXTENSION OF THE JOINT PREPARATION. REMOVE EXTENSIONS UPON COMPLETION & COOLING OF THE WELD. GRIND ENDS OF THE WELD SMOOTH AND FLUSH WITH THE EDGES OF THE ABUTTING PARTS.
  - WHERE "ALL AROUND" FILLET WELDS ARE INDICATED AT CONCEALED/NON-EXPOSED SQUARE OR RECTANGULAR HSS CONNECTIONS TO PLATES, FILLET WELDS ARE NOT REQUIRED AT RADIIUSED CORNERS. UNO.
  - BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL BE PLACED IN STANDARD SIZE HOLES, TYP UNO. BOLTS FOR STEEL-TO-CONCRETE/MASONRY CONNECTIONS SHALL BE PLACED IN ANCHOR ROD HOLES. TYP UNO. HOLE DIMENSIONS SHALL BE AS SHOWN IN TABLES BELOW. USE STANDARD AISC PITCH & GAGE FOR BOLTED CONNECTIONS. UNO.
  - BOLTS AND RODS SHALL BE CUT-THREAD TYPE WITH FULL DIAMETER BODY STYLE MEETING REQUIREMENTS OF ASME B18.2.1. THE BODY DIAMETER SHALL NOT BE LESS THAN THE MINIMUM MAJOR DIAMETER WHEN THREADS ARE CUT. REDUCED DIAMETER BODY STYLE ROLLED THREAD BOLTS OR RODS ARE NOT PERMITTED. USE GRAPHITE LUBRICANT FOR STAINLESS STEEL TO STAINLESS STEEL BOLT APPLICATIONS. BOLTS MAY NOT BE REUSED FOR ANY PURPOSE.
  - A BOLT ASSEMBLY CONSISTS OF A STAINLESS STEEL BOLT, A STAINLESS STEEL WASHER AND A STAINLESS STEEL NUT. THE WASHER SHALL BE PLACED UNDER THE TURNED ELEMENT OF THE BOLT ASSEMBLY. PROVIDE A WASHER AT BOLT HEADS OR NUTS BEARING ON SHORT SLOTTED HOLES. PROVIDE A 5/16" MINIMUM THICKNESS PLATE WASHER OR CONTINUOUS BAR WITH STD HOLES AT BOLT HEADS OR NUTS BEARING ON LONG SLOTTED HOLES.
  - IF A BOLT HEAD OR NUT OF A STEEL-TO-STEEL BOLTED CONNECTION BEARS ON A SLOPING SURFACE, USE A STAINLESS BEVELED WASHER IN THE BOLT ASSEMBLY AT THAT SURFACE.



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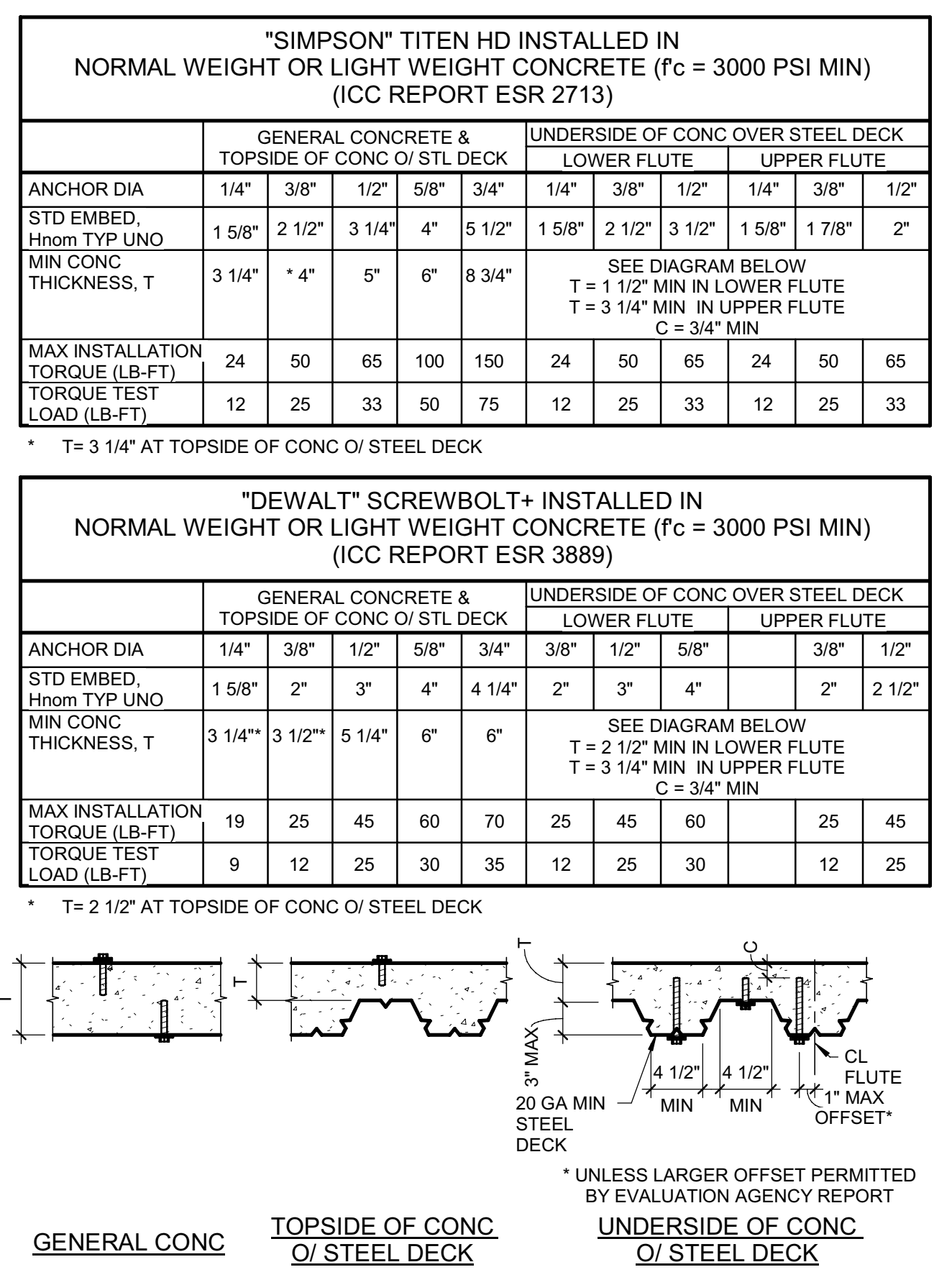
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**ADHESIVE ANCHORS IN CONCRETE**

1. REFERENCES TO "EPOXY" OR "CHEMICAL" ANCHORS EMBEDDED IN CONCRETE SHALL REFER TO THESE NOTES.
2. ACCEPTABLE ADHESIVE PRODUCTS ARE:
- "HILTI" HIT-RE 500 V3 (ICC ESR-3814)
  - "HILTI" HIT-HY-200 (ICC ESR-3187)
  - "SIMPSON" SET-XP (ICC ESR-2298)
  - "SIMPSON" SET-3G (ICC ESR-4057)
  - "SIMPSON" AT-XP (APMO ER-265)
  - "DEWALT" PURE 100+ (ICC ESR-3298)
  - "DEWALT" AC208+ GOLD (ICC ESR-4027)
3. THREADED ROD AND REBAR USED W/ ADHESIVE ANCHORS SHALL MEET THE REQUIREMENTS OF THE EVALUATION AGENCY REPORT.
4. EMBEDMENT DEPTHS SHALL BE 8 TIMES THE NOMINAL DIAMETER OF ANCHOR, UNO.
5. CONCRETE SHALL MEET THE SPECIFIED DESIGN STRENGTH PRIOR TO INSTALLATION, AND SHALL HAVE A MINIMUM AGE OF 21 DAYS, UNO.
6. TEST LOADS SHALL BE AS INDICATED IN DRAWINGS. IF NO TEST LOAD IS SPECIFIED, TEST LOAD SHALL BE 1000 LBS.

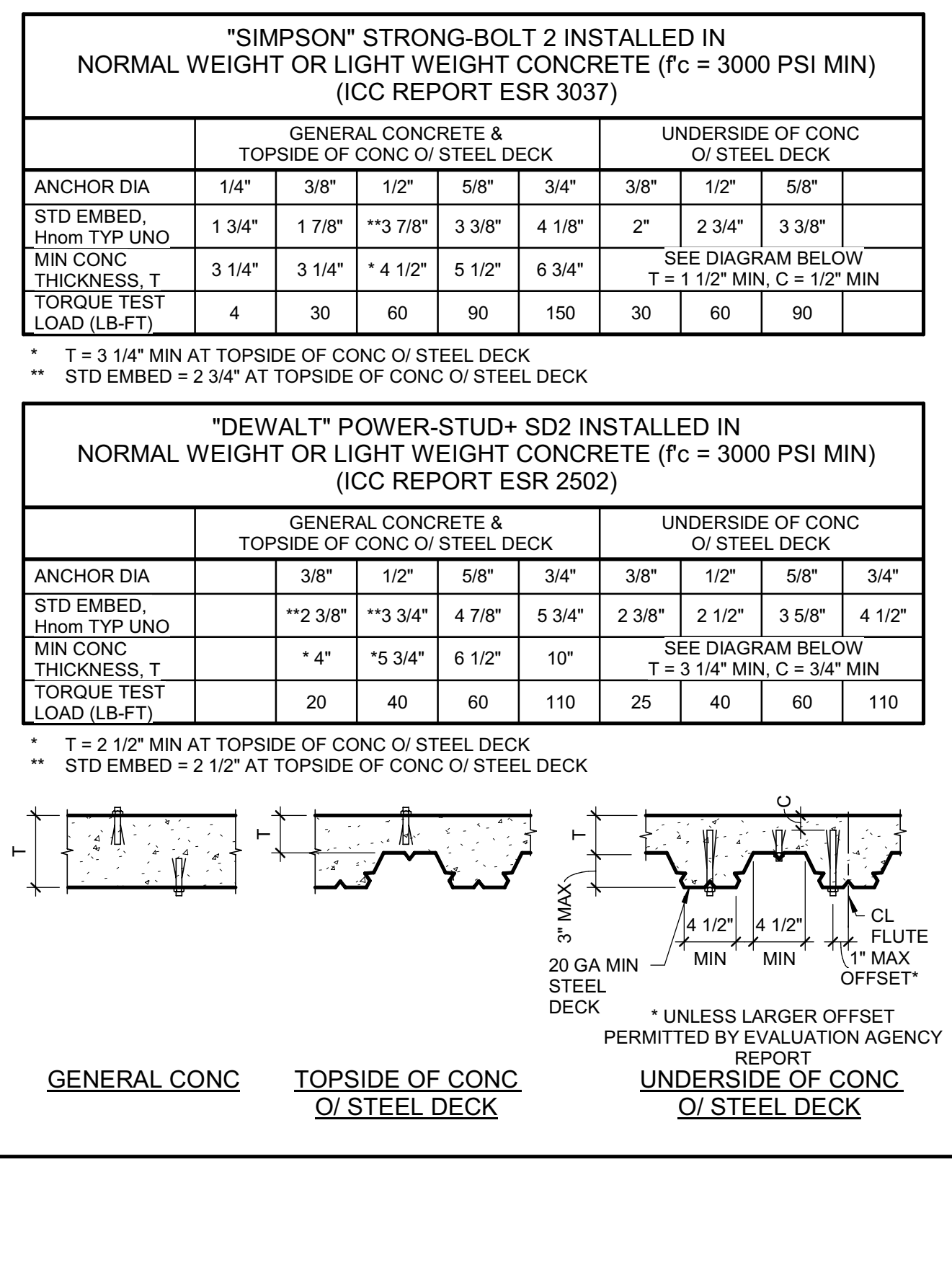
**SCREW ANCHORS IN CONCRETE**

1. EMBEDMENT SHALL BE AS INDICATED IN THE TABLE BELOW, TYP UNO. ALL EMBEDMENTS SPECIFIED ARE NOMINAL EMBEDMENT DEPTHS REQUIRED.
- "HILTI" KWIK HUS-EZ (KH-EZ) / KWIK HUS-EZ1 (KH-EZ1) INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (f<sub>c</sub> = 3000 PSI MIN) (ICC REPORT ESR 3027)
- | ANCHOR DIA                          | GENERAL CONCRETE & TOPSIDE OF CONC O/ STEEL DECK |        |      |      | UNDERSIDE OF CONC OVER STEEL DECK |        |        |
|-------------------------------------|--|--------|------|------|-----------------------------------|--------|--------|
|                                     | 1/4"   | 3/8"   | 1/2" | 5/8" | 1/4"                              | 3/8"   | 1/2"   |
| STD EMBED, H <sub>nom</sub> TYP UNO | 1 5/8"   | 1 5/8" | 3"   | 5"   | 6 1/4"                            | 1 5/8" | 2 1/2" |
| MIN CONC THICKNESS, T               | 3 1/4"   |        |      |      | SEE DIAGRAM BELOW                 |        |        |
| MAX INSTALLATION TORQUE (LB-FT)     | 18   | 40     | 45   | 85   | 115                               | 18     | 40     |
| TORQUE TEST LOAD (LB-FT)            | 9  | 20     | 23   | 43   | 58                                | 9      | 20     |
- \* T = 2 1/2" AT TOPSIDE OF CONC O/ STEEL DECK
- "SIMPSON" TITEN HD INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (f<sub>c</sub> = 3000 PSI MIN) (ICC REPORT ESR 2713)
- | ANCHOR DIA                          | GENERAL CONCRETE & TOPSIDE OF CONC O/ STEEL DECK |        |        |      | UNDERSIDE OF CONC OVER STEEL DECK |        |        |
|-------------------------------------|--|--------|--------|------|-----------------------------------|--------|--------|
|                                     | 1/4"   | 3/8"   | 1/2"   | 5/8" | 3/4"                              | 1/4"   | 3/8"   |
| STD EMBED, H <sub>nom</sub> TYP UNO | 1 5/8"   | 2 1/2" | 3 1/4" | 4"   | 5 1/2"                            | 1 5/8" | 2 1/2" |
| MIN CONC THICKNESS, T               | 3 1/4"   |        |        |      | SEE DIAGRAM BELOW                 |        |        |
| MAX INSTALLATION TORQUE (LB-FT)     | 24   | 50     | 65     | 100  | 150                               | 24     | 50     |
| TORQUE TEST LOAD (LB-FT)            | 12   | 25     | 33     | 60   | 75                                | 12     | 25     |
- \* T = 3 1/4" AT TOPSIDE OF CONC O/ STEEL DECK
- "DEWALT" SCREWBOLT+ INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (f<sub>c</sub> = 3000 PSI MIN) (ICC REPORT ESR 3889)
- | ANCHOR DIA                          | GENERAL CONCRETE & TOPSIDE OF CONC O/ STEEL DECK |      |      |      | UNDERSIDE OF CONC OVER STEEL DECK |      |      |
|-------------------------------------|--|------|------|------|-----------------------------------|------|------|
|                                     | 1/4"   | 3/8" | 1/2" | 5/8" | 3/4"                              | 1/4" | 3/8" |
| STD EMBED, H <sub>nom</sub> TYP UNO | 1 5/8"   | 2"   | 3"   | 4"   | 4 1/4"                            | 2"   | 3"   |
| MIN CONC THICKNESS, T               | 3 1/4"   |      |      |      | SEE DIAGRAM BELOW                 |      |      |
| MAX INSTALLATION TORQUE (LB-FT)     | 19   | 25   | 45   | 60   | 70                                | 25   | 45   |
| TORQUE TEST LOAD (LB-FT)            | 9  | 12   | 25   | 30   | 35                                | 12   | 25   |
- \* T = 2 1/2" AT TOPSIDE OF CONC O/ STEEL DECK



**EXPANSION ANCHORS IN CONCRETE**

1. EMBEDMENT SHALL BE AS INDICATED IN THE TABLE BELOW, TYP UNO. ALL EMBEDMENTS SPECIFIED ARE NOMINAL EMBEDMENT DEPTHS. REFER TO EVALUATION AGENCY REPORT FOR EFFECTIVE EMBEDMENTS.
- "HILTI" KWIK BOLT-TZ INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (f<sub>c</sub> = 3000 PSI MIN) (ICC REPORT ESR 1917)
- | ANCHOR DIA                          | GENERAL CONCRETE & TOPSIDE OF CONC O/ STEEL DECK |           |        |        | UNDERSIDE OF CONC O/ STEEL DECK |        |        |
|-------------------------------------|--|-----------|--------|--------|---------------------------------|--------|--------|
|                                     | 3/8"   | 1/2"      | 5/8"   | 3/4"   | 3/8"                            | 1/2"   | 5/8"   |
| STD EMBED, H <sub>nom</sub> TYP UNO | 2 5/16"  | ** 3 5/8" | 4 1/2" | 5 5/8" | 2 3/8"                          | 2 3/8" | 3 5/8" |
| MIN CONC THICKNESS, T               | 4"   |           |        |        | SEE DIAGRAM BELOW               |        |        |
| TORQUE TEST LOAD (LB-FT)            | 4  | 30        | 60     | 110    | 25                              | 40     | 60     |
- \* T = 3 1/4" MIN AT TOPSIDE OF CONC O/ STEEL DECK  
\*\* STD EMBED = 2 3/8" AT TOPSIDE OF CONC O/ STEEL DECK
- "SIMPSON" STRONG-BOLT 2 INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (f<sub>c</sub> = 3000 PSI MIN) (ICC REPORT ESR 3037)
- | ANCHOR DIA                          | GENERAL CONCRETE & TOPSIDE OF CONC O/ STEEL DECK |        |           |        | UNDERSIDE OF CONC O/ STEEL DECK |      |        |
|-------------------------------------|--|--------|-----------|--------|---------------------------------|------|--------|
|                                     | 1/4"   | 3/8"   | 1/2"      | 5/8"   | 3/4"                            | 1/2" | 5/8"   |
| STD EMBED, H <sub>nom</sub> TYP UNO | 1 3/4"   | 1 7/8" | ** 3 7/8" | 3 3/8" | 4 1/8"                          | 2"   | 2 3/4" |
| MIN CONC THICKNESS, T               | 3 1/4"   |        |           |        | SEE DIAGRAM BELOW               |      |        |
| TORQUE TEST LOAD (LB-FT)            | 4  | 30     | 60        | 90     | 150                             | 30   | 60     |
- \* T = 3 1/4" MIN AT TOPSIDE OF CONC O/ STEEL DECK  
\*\* STD EMBED = 2 3/8" AT TOPSIDE OF CONC O/ STEEL DECK
- "DEWALT" POWER-STUD+ SD2 INSTALLED IN NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE (f<sub>c</sub> = 3000 PSI MIN) (ICC REPORT ESR 2502)
- | ANCHOR DIA                          | GENERAL CONCRETE & TOPSIDE OF CONC O/ STEEL DECK |           |        |        | UNDERSIDE OF CONC O/ STEEL DECK |        |        |
|-------------------------------------|--|-----------|--------|--------|---------------------------------|--------|--------|
|                                     | 3/8"   | 1/2"      | 5/8"   | 3/4"   | 3/8"                            | 1/2"   | 5/8"   |
| STD EMBED, H <sub>nom</sub> TYP UNO | ** 2 3/8"  | ** 3 3/4" | 4 7/8" | 5 3/4" | 2 3/8"                          | 2 1/2" | 3 5/8" |
| MIN CONC THICKNESS, T               | 4"   |           |        |        | SEE DIAGRAM BELOW               |        |        |
| TORQUE TEST LOAD (LB-FT)            | 20   | 40        | 60     | 110    | 25                              | 40     | 60     |
- \* T = 2 1/2" MIN AT TOPSIDE OF CONC O/ STEEL DECK  
\*\* STD EMBED = 2 1/2" AT TOPSIDE OF CONC O/ STEEL DECK



**POST INSTALLED ANCHORS**

- THESE NOTES SHALL APPLY TO THE INSTALLATION, INSPECTION, AND TESTING OF EXPANSION, ADHESIVE, AND SCREW ANCHORS. USE SPECIFIC PRODUCTS WHERE INDICATED. IF A SPECIFIC PRODUCT / MANUFACTURER IS NOT NOTED, SELECT ANCHOR FROM THE PROVIDED TABLES BASED ON ANCHOR TYPE, DIAMETER AND BASE MATERIAL. POST-INSTALLED ANCHORS / REINFORCING ARE NOT PERMITTED TO REPLACE CAST-IN ANCHORS/REINFORCING UNLESS SPECIFICALLY NOTED.
- INSTALLATION**
- INSTALL PER REQUIREMENTS OF THE EVALUATION AGENCY REPORT & MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS FOR THE SPECIFIC ANCHOR.
  - INSTALLATION OF ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS RESISTING SUSTAINED TENSION LOADS (AS SPECIFICALLY NOTED ON DETAILS) SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE A WRITTEN TEST AND PERFORMANCE TEST IN ACCORDANCE WITH THE ANCHORS ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT. CERTIFICATION PROGRAM SHALL BE SUBMITTED TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
  - ANCHOR INSTALLATION SHALL MEET THE MINIMUM EMBEDMENT, EDGE DISTANCE, SPACING, AND BASE MATERIAL THICKNESS CRITERIA ESTABLISHED BY THE RELEVANT EVALUATION AGENCY REPORT & MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
  - ANCHOR INSTALLATION & CURE TEMPERATURES SHALL FOLLOW EVALUATION AGENCY REPORT & MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
  - WHEN INSTALLING ANCHORS IN CONCRETE OR MASONRY, DO NOT DAMAGE REINFORCING (REBAR AND/OR PRE-POST TENSIONED STRANDS). LOCATE ALL REINFORCING AT AFFECTED AREAS USING NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING ANCHORS. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN THE REINFORCEMENT AND THE ANCHOR.
- INSPECTION**
- PROVIDE SPECIAL INSPECTION AS REQUIRED BY THE EVALUATION AGENCY REPORT AND ENFORCEMENT AGENCY REPORT, WHERE EVALUATION AGENCY REPORT PERMITS EITHER PERIODIC OR CONTINUOUS INSPECTION, USE PERIODIC.
  - ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS RESISTING SUSTAINED TENSION LOADS (AS SPECIFICALLY NOTED ON DETAILS) SHALL BE CONTINUOUSLY INSPECTED BY AN INSPECTOR SPECIALLY APPROVED FOR THAT PURPOSE BY THE ENFORCEMENT AGENCY.
- TESTING**
- TEST ANCHORS IN ACCORDANCE WITH THE EVALUATION AGENCY REPORT AND ENFORCEMENT AGENCY REQUIREMENTS FOR THE SPECIFIC ANCHOR AND IN ACCORDANCE WITH THE FREQUENCIES AND TEST METHODS LISTED BELOW.
  - TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY AND STRUCTURAL ENGINEER.
  - REACTION LOADS FROM TEST FIXTURE(S) MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED BY THE FIXTURE(S) FROM WITHDRAWING.
  - TEST METHOD SHALL BE AS NOTED FOR SPECIFIC ANCHOR TYPES AND THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
    - HYDRAULIC RAM METHOD (TENSION TESTING): THE ANCHOR SHALL MAINTAIN THE TEST LOAD FOR 15 SECONDS AND SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
    - TORQUE WRENCH METHOD (TORQUE TESTING): THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:
      - ONE-HALF (1/2) TURN OF THE NUT, TYP UNO.
      - ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8" SLEEVE ANCHOR ONLY.
      - ONE-QUARTER (1/4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD FOR SCREW ANCHORS.
  - TESTING FREQUENCIES SHALL BE AS INDICATED IN THE TABLE BELOW. WHEN MULTIPLE ANCHORS ARE USED IN A SINGLE GROUP OR CONNECTION, THE PERCENT OF ANCHORS TESTED AT EACH LOCATION SHALL BE AS INDICATED BELOW.
  - IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN THE INITIAL TESTING FREQUENCY SHALL BE RESUMED.
- | APPLICATION  | PERCENT OF ALL ANCHORS |
|--|------------------------|
| SILL PLATE BOLTING AND REBAR AT SLAB ON GRADE, UNO | 5 PERCENT              |
| STRUCTURAL EXCLUDING SILL PLATE BOLTING            | 50 PERCENT             |
| NON-STRUCTURAL INCLUDING EQUIPMENT ANCHORAGE       | 25 PERCENT             |



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**ADHESIVE ANCHORS IN MASONRY**

1. REFERENCES TO "EPOXY" OR "CHEMICAL" ANCHORS EMBEDDED IN MASONRY SHALL REFER TO THESE NOTES.
2. THREADED ROD AND REBAR USED W/ ADHESIVE ANCHORS SHALL MEET THE REQUIREMENTS OF THE EVALUATION AGENCY REPORT.
3. WHEN REBAR IS EMBEDDED USING AN ADHESIVE, ANCHOR DIA SHALL BE THE NOMINAL BAR DIAMETER.
4. EMBEDMENT SHALL BE AS INDICATED IN THE TABLE BELOW, TYP UNO.
- ATR & REBAR WITH "HILTI" HIT HY-270 INSTALLED IN GROUT FILLED CONCRETE MASONRY (f<sub>m</sub> = 1500 PSI MIN) (ICC REPORT ESR 4143)
- | ANCHOR DIA  | IN FACE OF WALL (E = 0" ANCHORS MAY BE INSTALLED IN VERTICAL MORTAR JOINTS) |        |        |        | IN TOP OF WALL (INSTALL IN GROUT ONLY) |        |
|---|---|--------|--------|--------|--|--------|
|   | 3/8"  | 1/2"   | 5/8"   | 3/4"   | 1/2"                                   | 5/8"   |
| STD EMBED, H <sub>nom</sub> (H <sub>ef</sub> = H <sub>nom</sub> ) | 3 3/8"  | 4 1/2" | 5 5/8" | 6 3/4" | 4 1/2"                                 | 5 5/8" |
| TENSION TEST LOAD (LBS)   | 2480  | 4070   | 5680   | 7620   | 3250                                   | 3180   |
- ATR & REBAR WITH "SIMPSON" SET-XP INSTALLED IN GROUT FILLED CONCRETE MASONRY (f<sub>m</sub> = 1500 PSI MIN) (APMO REPORT ER 265)
- | ANCHOR DIA  | IN FACE OF WALL (E = 1 1/2") |        |        |        | IN TOP OF WALL (INSTALL IN GROUT ONLY) |        |        |
|---|------------------------------|--------|--------|--------|--|--------|--------|
|   | 3/8"                         | 1/2"   | 5/8"   | 3/4"   | 1/2"                                   | 5/8"   | 7/8"   |
| STD EMBED, H <sub>nom</sub> (H <sub>ef</sub> = H <sub>nom</sub> ) | 3 3/8"                       | 4 1/2" | 5 5/8" | 6 3/4" | 4 1/2"                                 | 5 5/8" | 7 7/8" |
| TENSION TEST LOAD (LBS)   | 2980                         | 3650   | 3790   | 3790   | 2970                                   | 3400   | 3220   |
- ATR & REBAR WITH "DEWALT" AC100+ GOLD INSTALLED IN GROUT FILLED CONCRETE MASONRY (f<sub>m</sub> = 1500 PSI MIN) (ICC REPORT ESR 3200)
- | ANCHOR DIA  | IN FACE OF WALL (E = 1 1/2") |      |      |      | IN TOP OF WALL (INSTALL IN GROUT ONLY) |      |      |
|---|------------------------------|------|------|------|--|------|------|
|   | 3/8"                         | 1/2" | 5/8" | 3/4" | 1/2"                                   | 5/8" | 3/4" |
| STD EMBED, H <sub>nom</sub> (H <sub>ef</sub> = H <sub>nom</sub> ) | 3"                           | 4"   | 5"   | 6"   | 4"                                     | 5"   | 6"   |
| TENSION TEST LOAD (LBS)   | 1230                         | 1920 | 2190 | 2320 | 1040                                   | 1490 | 2520 |
- ANCHOR PLACEMENT NOTES:
- ANCHORS MUST BE INSTALLED A MINIMUM DISTANCE, E, FROM ANY VERTICAL MORTAR JOINT AS SHOWN.
  - ANCHOR LOCATIONS ARE LIMITED TO ONE PER MASONRY CELL WITH A MINIMUM SPACING OF 8" ON CENTER.

**SCREW ANCHORS IN MASONRY**

1. EMBEDMENT SHALL BE AS INDICATED IN THE TABLE BELOW, TYP UNO.
- "HILTI" HUS-EZ (KH-EZ) INSTALLED IN GROUT-FILLED MASONRY WALLS (f<sub>m</sub> = 1500 PSI MIN) (ICC REPORT ESR 3056)
- | ANCHOR DIA        | IN FACE OF WALL (E = 1 1/4") |        |        | IN TOP OF WALL |        |
|-------------------|------------------------------|--------|--------|----------------|--------|
|                   | 1/4"                         | 3/8"   | 5/8"   | 3/4"           | 1/2"   |
| STD EMBED TYP UNO | 1 5/8"                       | 1 5/8" | 2 1/4" | 3 1/4"         | 4"     |
|                   |                              |        |        |                | 4 1/4" |
- "SIMPSON" TITEN HD INSTALLED IN GROUT-FILLED MASONRY WALLS (f<sub>m</sub> = 1500 PSI MIN) (ICC REPORT ESR 1056)
- | ANCHOR DIA        | IN FACE OF WALL (E = 1 1/4") |        |        | IN TOP OF WALL |        |
|-------------------|------------------------------|--------|--------|----------------|--------|
|                   | 3/8"                         | 1/2"   | 5/8"   | 3/4"           | 1/2"   |
| STD EMBED TYP UNO | 2 3/4"                       | 3 1/2" | 4 1/2" | 5 1/2"         | 4 1/2" |
- "DEWALT" SCREWBOLT+ INSTALLED IN GROUT-FILLED MASONRY WALLS (f<sub>m</sub> = 1500 PSI MIN) (ICC REPORT ESR 4042)
- | ANCHOR DIA        | IN FACE OF WALL (E = 1 1/4") |      |        |        | IN TOP OF WALL |        |      |
|-------------------|------------------------------|------|--------|--------|----------------|--------|------|
|                   | 1/4"                         | 3/8" | 1/2"   | 5/8"   | 3/4"           | 1/2"   | 5/8" |
| STD EMBED TYP UNO | 1 5/8"                       | 2"   | 2 1/2" | 3 1/4" | 4"             | 4 1/4" | 5"   |
- ANCHOR PLACEMENT NOTES:
- ANCHORS MUST BE INSTALLED A MINIMUM DISTANCE, E, FROM ANY VERTICAL MORTAR JOINT AS SHOWN.
  - ANCHOR LOCATIONS ARE LIMITED TO ONE PER MASONRY CELL WITH A MINIMUM SPACING OF 8" ON CENTER.

**EXPANSION ANCHORS IN MASONRY**

1. EMBEDMENT SHALL BE AS INDICATED IN THE TABLE BELOW, TYP UNO.
- "HILTI" KWIK BOLT-3 INSTALLED IN GROUT-FILLED MASONRY WALLS (f<sub>m</sub> = 1500 PSI MIN) (ICC REPORT ESR 1385)
- | ANCHOR DIA               | IN FACE OF WALL (E = 1 3/8") |        |        |      | IN TOP OF WALL |      |
|--------------------------|------------------------------|--------|--------|------|----------------|------|
|                          | 1/4"                         | 3/8"   | 1/2"   | 5/8" | 3/4"           | 1/2" |
| STD EMBED TYP UNO        | 2"                           | 2 1/2" | 3 1/2" | 4"   | 4 3/8"         | 3"   |
| TORQUE TEST LOAD (LB-FT) | 4                            | 15     | 25     | 65   | 120            | 25   |
- "SIMPSON" STRONG-BOLT 2 INSTALLED IN GROUT-FILLED MASONRY WALLS (f<sub>m</sub> = 1500 PSI MIN) (APMO REPORT ER 240)
- | ANCHOR DIA        | IN FACE OF WALL (E = 1 1/4") |        |        |        | IN TOP OF WALL |        |
|-------------------|------------------------------|--------|--------|--------|----------------|--------|
|                   | 3/8"                         | 1/2"   | 5/8"   | 3/4"   | 1/2"           | 5/8"   |
| STD EMBED TYP UNO | 2 3/4"                       | 3 1/2" | 4 1/2" | 5 1/2" | 4 1/2"         | 4 1/2" |
- "DEWALT" POWER-STUD+ SD1 INSTALLED IN GROUT-FILLED MASONRY WALLS (f<sub>m</sub> = 1500 PSI MIN) (ICC REPORT ESR 2966)
- | ANCHOR DIA               | IN FACE OF WALL (E = 1 3/8") |        |        |        | IN TOP OF WALL |        |        |
|--------------------------|------------------------------|--------|--------|--------|----------------|--------|--------|
|                          | 3/8"                         | 1/2"   | 5/8"   | 3/4"   | 3/8"           | 1/2"   | 5/8"   |
| STD EMBED TYP UNO        | 1 3/4"                       | 2 5/8" | 3 1/2" | 4 3/8" | 5 1/4"         | 3 1/2" | 4 3/8" |
| TORQUE TEST LOAD (LB-FT) | 4                            | 20     | 35     | 55     | 100            | 35     | 55     |
- ANCHOR PLACEMENT NOTES:
- ANCHORS MUST BE INSTALLED A MINIMUM DISTANCE, E, FROM ANY VERTICAL MORTAR JOINT AS SHOWN.
  - ANCHOR LOCATIONS ARE LIMITED TO ONE PER MASONRY CELL WITH A MINIMUM SPACING OF 8" ON CENTER.

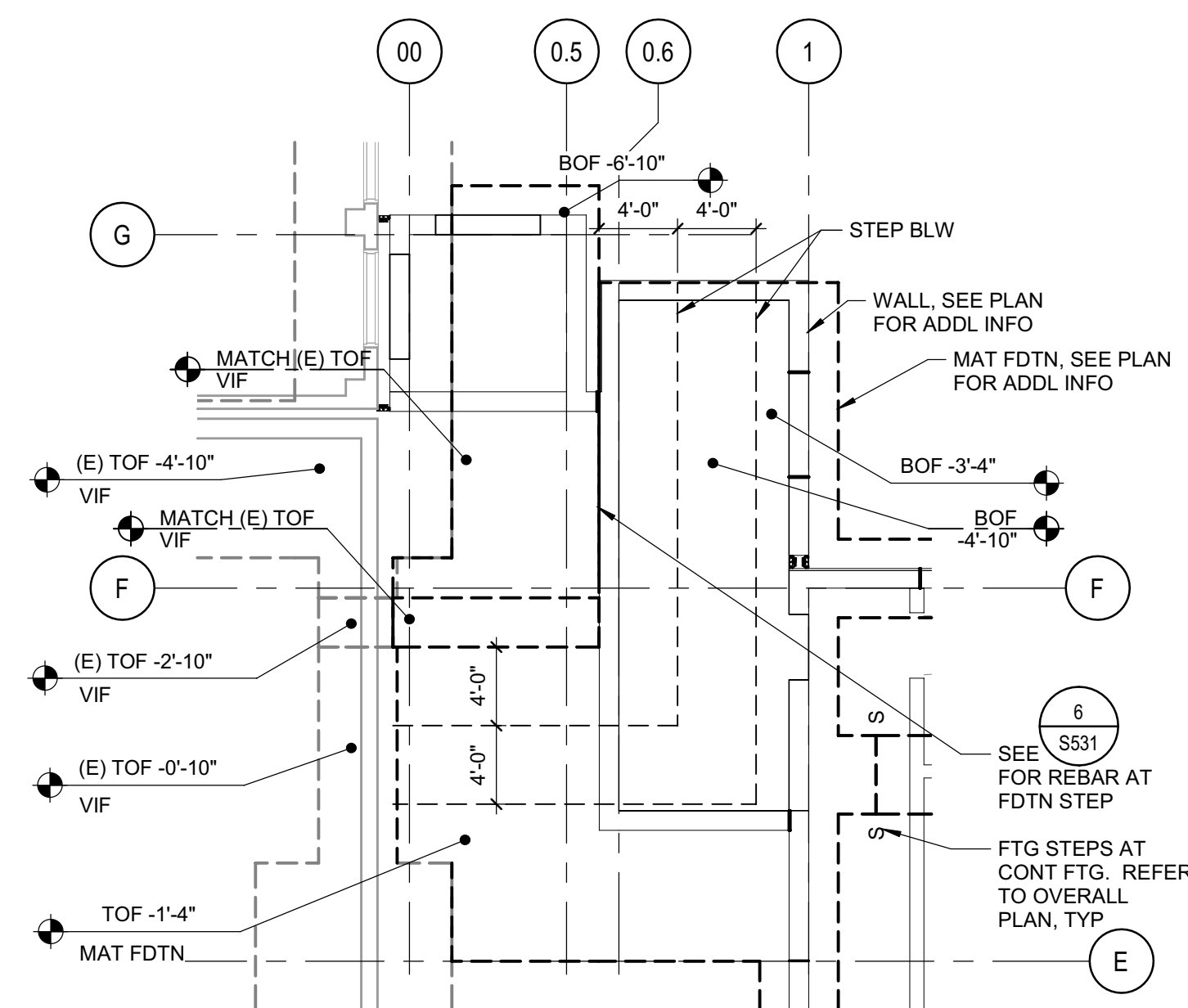
**POWER ACTUATED FASTENERS**

1. POWER ACTUATED FASTENERS SHALL BE "HILTI" X-U (ICC ESR 2269), "SIMPSON" PDPA (ICC ESR 2138), OR "DEWALT" POWER DRIVEN FASTENERS (ICC ESR 2024), TYP UNO.
2. INSTALLATION OF FASTENERS SHALL BE IN ACCORDANCE WITH THE EVALUATION AGENCY REPORT. INSTALL FASTENERS WITH SUFFICIENT EDGE DISTANCE AND SPACING TO ACHIEVE FULL CAPACITY, UNO.
3. FASTENERS TO CONCRETE OR MASONRY SHALL HAVE 1" MIN EMBEDMENT (1 1/4" MIN FOR "SIMPSON" PDPA IN MASONRY), TYP UNO.
4. FASTENERS TO STRUCTURAL STEEL SHALL HAVE MIN EMBEDMENT TO STEEL PER MANUFACTURER, TYP UNO.
5. FASTENERS MAY NOT BE USED FOR TENSION LOADS EXCEPT FOR THE FOLLOWING CONDITIONS:
- VERTICAL SUSPENSION WIRES FOR ACOUSTICAL TILE OR LAY-IN CEILINGS
  - VERTICAL SUPPORTS OF MECH DUCTS, CONDUITS, ETC WHERE THE SERVICE LOAD ON EACH ANCHOR DOES NOT EXCEED 90 LBS FOR FASTENERS IN CONCRETE OR 250 LBS FOR FASTENERS IN STRUCTURAL STEEL.
  - FASTENERS ARE NOT PERMITTED AT SEISMIC BRACING ATTACHMENTS.
6. WHEN INSTALLING FASTENERS IN PRE-POST-TENSIONED CONCRETE DO NOT DAMAGE STRANDS. LOCATE STRANDS AT AFFECTED AREAS USING NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING FASTENERS. MAINTAIN A MINIMUM CLEARANCE OF 2" BETWEEN THE STRANDS AND THE FASTENERS.
- REVISIONS
- | Sym. | Description | Date |
|------|-------------|------|
|      |             |      |
|      |             |      |
- Drawn By: PAB  
Date Issued: 07.29.2022  
Scale: 1" = 1'-0"  
Project No.: 016205.01
- SHEET No.  
**S013 V4**

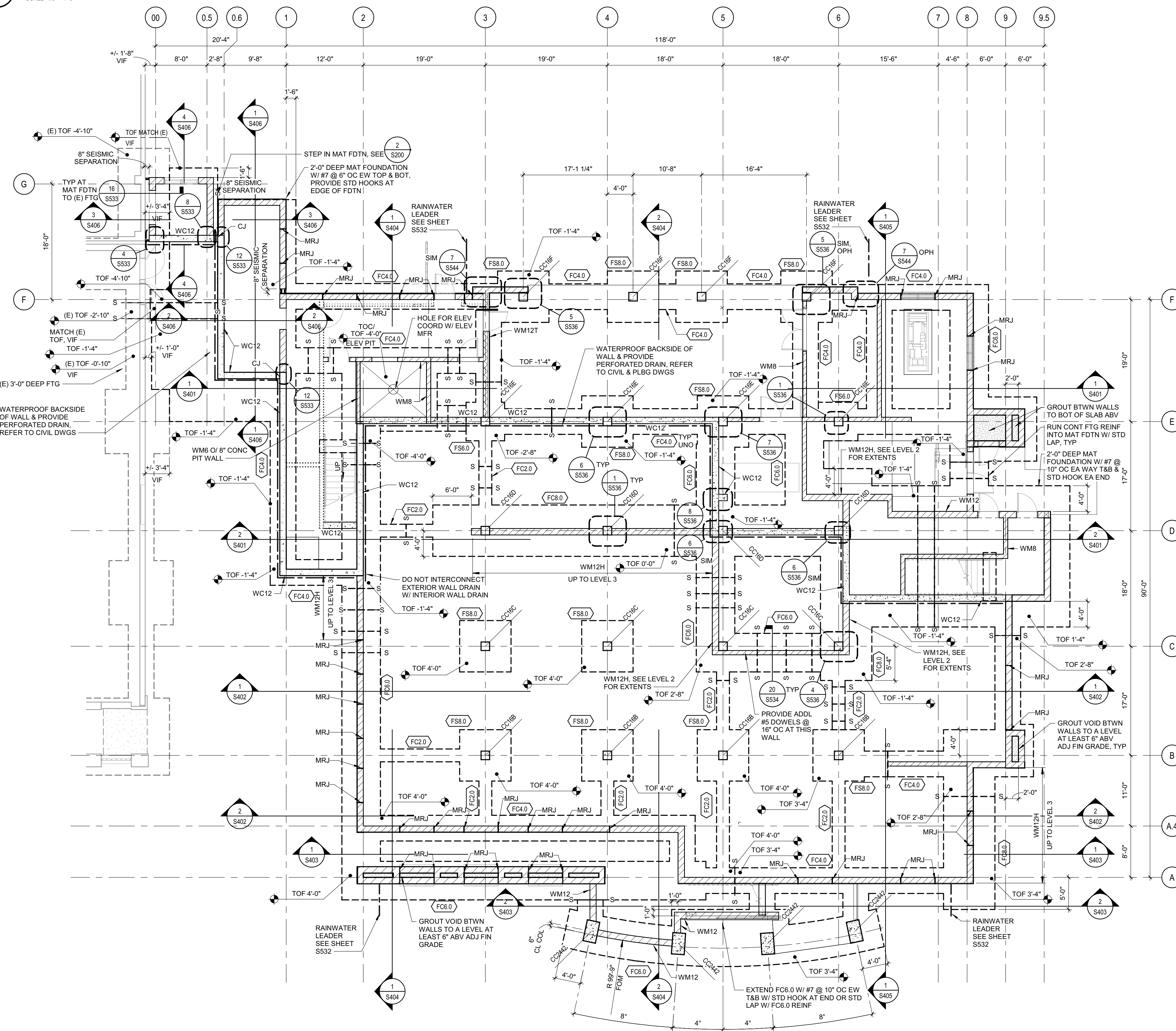
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**2 PARTIAL MAT FOUNDATION STEP PLAN**  
SCALE 1/8" = 1'-0"



**1 FOUNDATION PLAN**  
SCALE 1/8" = 1'-0"

**PLAN NOTES**

- SEE S300 SERIES SHEETS FOR GENERAL NOTES & S500 SERIES SHEETS FOR TYPICAL DETAILS.
- SEE S300 SERIES SHEETS FOR WALL ELEVATIONS.
- DIMENSIONS ARE TO FOM OR CENTERLINE OF COLUMNS/POSTS, UNO. SEE SECTIONS & DETAILS FOR FOC LOCATIONS RELATIVE TO FOM. SAD FOR DIMENSIONS NOT SHOWN.
- SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS.
- SEE ARCH DWGS FOR DIMENSIONS OF SLAB DEPRESSIONS & SLOPED SLABS.
- SEE ARCH & OTHER CONSULTANT DWGS FOR FLOOR PENETRATIONS NOT SHOWN. SAWCUT OR CORE DRILL CLEAN HOLES WITH NO OVERCUTTING. COMPLY WITH TYPICAL DETAILS.
- SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR ENGINEERED FILL.
- EXTERIOR CONCRETE FLATWORK IS NOT SHOWN. SEE CIVIL & ARCH DWGS.
- CONTINUOUS WALL FOOTINGS TO BE CENTERED UNDER WALLS AND PAD FOOTINGS TO BE CENTERED UNDER COLUMNS, TYP UNO.
- EXTERIOR WALLS ARE 12" INSULATED CMU GROUTED SOLID W/ STD REINF (WM12T), TYP UNO. REFER TO PLANS AND EXTERIOR ELEVATIONS FOR ADDITIONAL MASONRY WALL REQUIREMENTS.
- EXTERIOR WALLS BELOW GRADE ARE 12" CMU GROUTED SOLID W/ STD REINF (WM12), TYP UNO. WHERE WM12T WALL OCCURS ABOVE GRADE, REFER TO DETAIL 4/SS34 WHEN 1 LAYER OF REINF IS ALLOWED. OTHERWISE, PROVIDE (2) LAYERS OF REINFORCING PER 2/SS34.
- INTERIOR WALLS ARE 8" CMU GROUTED SOLID W/ STD REINF (WM8), TYP UNO.
- LEVEL 1 BUILDING DATUM = 0'-0" ELEVATION: 43.80', SEE CIVIL.

**SCHEDULES**

CONTINUOUS FOOTING SCHEDULE				
TYPE	WIDTH	DEPTH	REINFORCEMENT	DETAIL, UNO
FC2.0	2'-0"	2'-0"	(3) #7 LONG REINF T&B & (2) #7 AT MID-HEIGHT W/ #4 TIES @ 8" OC	13/SS35
FC4.0	4'-0"	2'-0"	(5) #7 LONG REINF T&B W/ #4 TIES @ 12" OC	SHEET S534
FC6.0	6'-0"	2'-0"	(7) #7 LONG REINF T&B W/ #4 TIES @ 12" OC	SHEET S534
FC8.0	8'-0"	2'-0"	(9) #7 LONG REINF T&B W/ #4 TIES @ 12" OC	SHEET S534

SPREAD FOOTING SCHEDULE					
TYPE	WIDTH	LENGTH	DEPTH	REINFORCEMENT	DETAIL, UNO
FS6.0	6'-0"	6'-0"	2'-0"	(7) #7 REINF EW T&B	20/SS37
FS8.0	8'-0"	8'-0"	2'-0"	(9) #7 REINF EW T&B	20/SS37

WALL SCHEDULE				
TYPE	REINFORCEMENT	DETAIL, UNO		
WC8	#6 @ 16" OC VERT, #5 @ 16" OC HORIZ	13/SS35		
WC12	#6 @ 16" OC EF VERT, #5 @ 16" OC EF HORIZ	10/SS34		
WM8	#3 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/SS41		
WM8	#5 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/SS41		
WM8N	#5 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/SS41		
WM12	#5 @ 16" OC EF VERT, #4 @ 16" OC EF HORIZ	19/SS42		
WM12H	#5 @ 16" OC EF VERT, #4 @ 8" OC EF HORIZ	19/SS42		
WM12T	#5 @ 16" OC VERT, #4 @ 16" OC HORIZ	19/SS43		
WM12TH	#5 @ 16" OC VERT, #4 @ 8" OC HORIZ	19/SS43		

CONC COLUMN SCHEDULE				
TYPE	WIDTH	DEPTH	REINFORCEMENT	DETAIL, UNO
CC16B	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/SS36
CC16C	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/SS36
CC16D	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/SS36
CC16E	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/SS36
CC16F	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/SS36
CC2442	2'-4"	3'-6"	(7) #9 EF ALONG DEPTH, (3) #9 EF ALONG WIDTH W/ (3) CLOSED #4 TIES @ 6" OC UNO	15/SS36

**PLAN LEGEND**

(E) ELEMENTS SHOWN FADED - LINETYPE AND PATTERN/HATCHING AS NOTED FOR NEW CONSTRUCTION

- 12" CMU WALL (WM12)
- 12" CMU WALL (WM12T)
- 8" CONC WALL (WC8)
- 12" CONC WALL (WC12)
- NON-STRUCTURAL WALL, SAD
- CONCRETE CURB OR PAD
- DEPRESSED SLAB AREA
- SAD FOR EXTENTS
- SLAB STEP SYMBOL
- ELEVATION RELATIVE TO TOC
- CONC SLAB / STEEL DECK TYPE AND SPAN DIRECTION
- FOOTING
- STEPPED FOOTING
- DRAINAGE

**WALL TYPE SYMBOL KEY**

- WALL INDICATOR
- NOMINAL WALL THICKNESS (IN)
- UNIQUE IDENTIFIER, SEE WALL SCHEDULE
- WALL MATERIAL, C = CONCRETE, S = STEEL STUD, M = MASONRY

**COLUMN TYPE SYMBOL KEY**

- COLUMN INDICATOR
- COLUMN WIDTH (IN)
- UNIQUE IDENTIFIER, SEE COLUMN SCHEDULE
- COLUMN DEPTH (IN), SAME AS WIDTH IF BLANK
- COLUMN MATERIAL, C = CONCRETE, S = STEEL, M = MASONRY

**FOUNDATION TYPE SYMBOL KEY**

- FOUNDATION INDICATOR
- FOUNDATION WIDTH (FT)
- UNIQUE IDENTIFIER, SEE FOUNDATION SCHEDULE
- FOUNDATION TYPE, C = CONTINUOUS, S = SPREAD



Approval of this plan book is authorized or approved by the State Fire Marshal and the State Fire Marshal's Office. Approval is subject to field inspection. This set of approved plans shall be available on the project site at all times.



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**LICENSE STAMPS**



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**FOUNDATION PLAN**

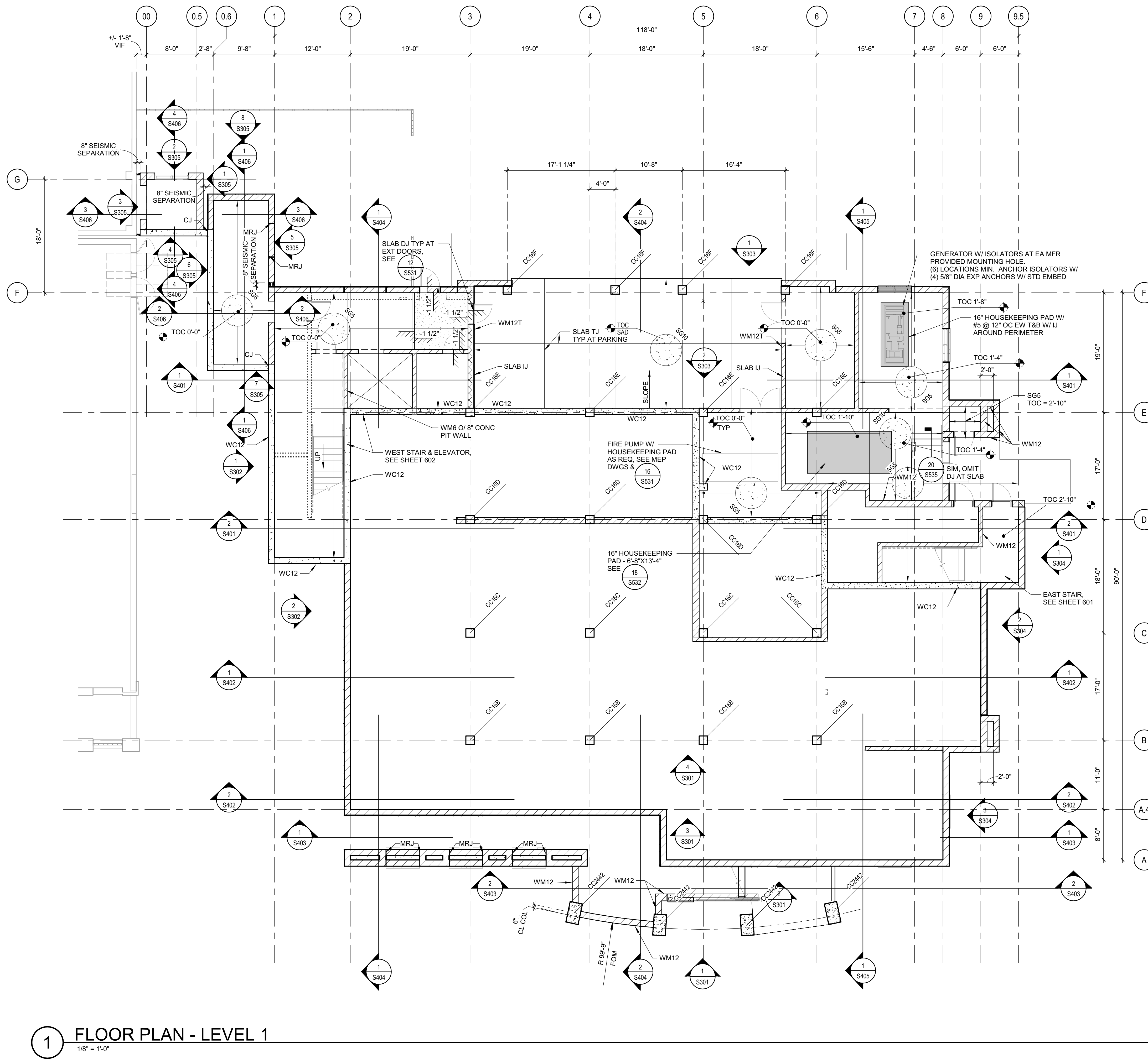
DRAWING STATUS  
**WORKING DRAWINGS**

**REVISIONS**

Sym.	Description	Date

Drawn By: PAB  
Date Issued: 07.29.2022  
Scale: As indicated  
Project No.: 016205.01

SHEET No.  
**S200 V4**



**1 FLOOR PLAN - LEVEL 1**  
 1/8" = 1'-0"

### PLAN NOTES

- SEE S000 SERIES SHEETS FOR GENERAL NOTES & S500 SERIES SHEETS FOR TYPICAL DETAILS.
- SEE S300 SERIES SHEETS FOR WALL ELEVATIONS.
- DIMENSIONS ARE TO FOM OR CENTERLINE OF COLUMNS/POSTS, UNO. SEE SECTIONS & DETAILS FOR FOC LOCATIONS RELATIVE TO FOM. SAD FOR DIMENSIONS NOT SHOWN.
- SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS.
- SEE ARCH DWGS FOR DIMENSIONS OF SLAB DEPRESSIONS & SLOPED SLABS.
- SEE ARCH & OTHER CONSULTANT DWGS FOR FLOOR PENETRATIONS NOT SHOWN. SAWCUT OR CORE DRILL CLEAN HOLES WITH NO OVERCUTTING. COMPLY WITH TYPICAL DETAILS.
- SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR ENGINEERED FILL.
- EXTERIOR CONCRETE FLATWORK IS NOT SHOWN, SEE CIVIL & ARCH DWGS.
- LEVEL 1 BUILDING DATUM = 0'-0" ELEVATION: 43.80'. SEE CIVIL.

### SCHEDULES

SLAB ON GRADE SCHEDULE			
TYPE	DESCRIPTION	REINFORCING	DETAIL UNO
SG5	5" CONC SLAB W/ #4 @ 16" OC EW CENTERED IN SLAB O/ VAPOR RETARDER O/ 4" FREE DRAINING CRUSHED ROCK		
SG10	10" CONC SLAB W/ #4 @ 16" OC T&B EW O/ VAPOR RETARDER O/ 4" FREE DRAINING CRUSHED ROCK		

DECK SCHEDULE			
TYPE	DESCRIPTION	REINFORCING	DETAIL UNO
CW3	3" TYPE "W" COMPOSITE STEEL DECK W/ 3/4" LWC FILL W/ 6x6-W1.4xW1.4 WWF, 3/4" CLR FROM TOC		

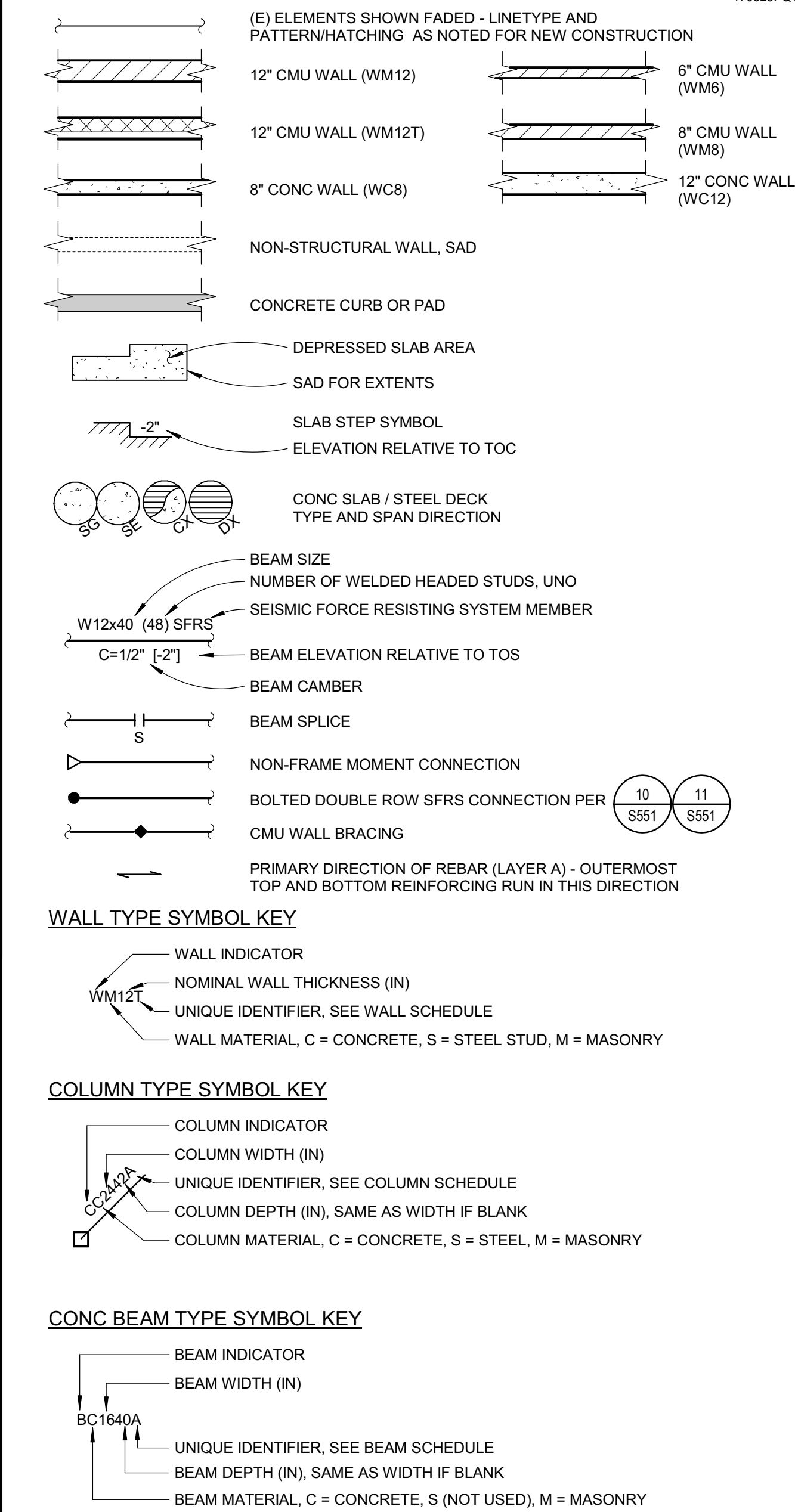
WALL SCHEDULE			
TYPE	REINFORCEMENT	DETAIL UNO	
WC8	#6 @ 16" OC VERT, #5 @ 16" OC HORIZ	13/S535	
WC12	#6 @ 16" OC EF VERT, #5 @ 16" OC EF HORIZ	10/S534	
WM6	#3 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/S541	
WM8	#5 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/S541	
WM8N	#5 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/S541	
WM12	#5 @ 16" OC EF VERT, #4 @ 16" OC EF HORIZ	19/S542	
WM12H	#5 @ 16" OC EF VERT, #4 @ 8" OC EF HORIZ	19/S542	
WM12T	#5 @ 16" OC VERT, #4 @ 16" OC HORIZ	19/S543	
WM12TH	#5 @ 16" OC VERT, #4 @ 8" OC HORIZ	19/S543	

CONC COLUMN SCHEDULE				
TYPE	WIDTH	DEPTH	REINFORCEMENT	DETAIL UNO
CC16B	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/S536
CC16C	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/S536
CC16D	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/S536
CC16E	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/S536
CC16F	1'-4"	1'-4"	(3) #9 ALL FACES W/ (2) CLOSED #4 TIES @ 6" OC UNO	19/S536
CC2442	2'-4"	3'-6"	(7) #9 EF ALONG DEPTH, (3) #9 EF ALONG WIDTH W/ (5) CLOSED #4 TIES @ 6" OC UNO	15/S536

\* TIE SPACING AT ALL COLUMN SPLICES; ABV, BLW & THRU JOINTS SHALL BE @ 4" OC

### PLAN LEGEND

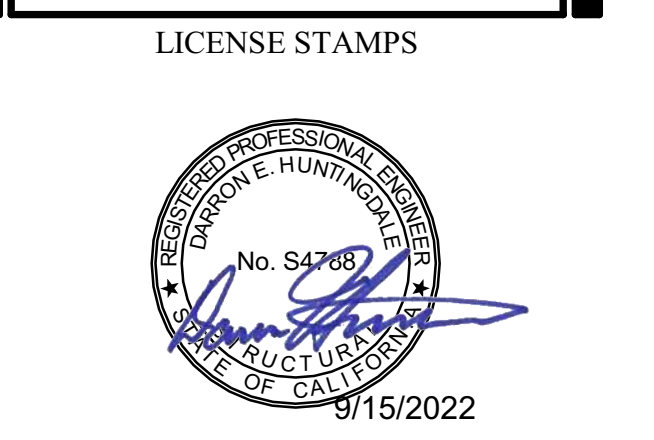


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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**FLOOR PLAN - LEVEL 1**  
 1

DRAWING STATUS

WORKING DRAWINGS

REVISIONS		
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

SHEET No.  
**S201 V4**

CONC BEAM SCHEDULE

TYPE	GRID	BEAM WIDTH	BEAM DEPTH	TYP BOT REINF	TYP TOP REINF	SHEAR REINFORCING	DETAIL
BC2924	F	2'-5"	2'-0"	(2) LAYERS OF (6) #8 BARS	(6) #8 BARS	(3) #4 STIRRUPS @ 4" O	17/S537

PROVIDE 135-90 CROSS-TIES AT TOP OF ALL BEAMS. MATCH SIZE AND SPACING OF SHEAR REINF. SEE DETAILS FOR HOOK ORIENTATION, TYP

FRAMING NOTES

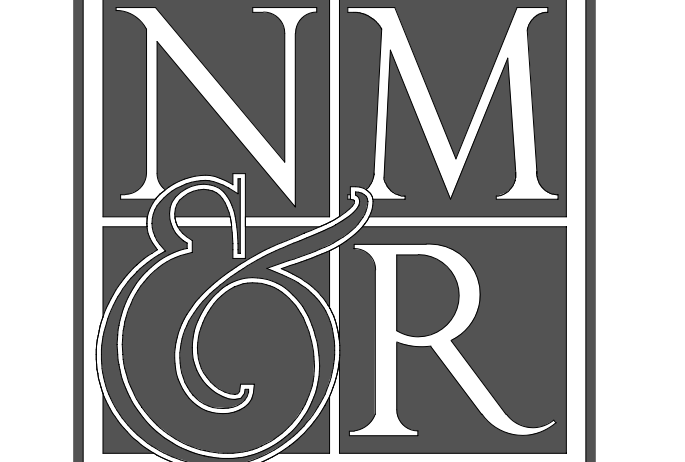
- SEE S3000 SERIES SHEETS FOR GENERAL NOTES & S500 SERIES SHEETS FOR TYPICAL DETAILS.
- SEE S3000 SERIES SHEETS FOR WALL & FRAMING ELEVATIONS.
- DIMENSIONS ARE TO FOM OR CENTERLINE OF COLUMNS/POSTS. UNO. SEE SECTIONS & DETAILS FOR FOC LOCATIONS RELATIVE TO FOM. SAD FOR DIMENSIONS NOT SHOWN.
- SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS. SEE TYPICAL DETAILS FOR FRAMING AT OPENINGS.
- SEE ARCH & OTHER CONSULTANT DWGS FOR FLOOR PENETRATIONS NOT SHOWN. PROVIDE FRAMING AROUND OPENINGS PER TYPICAL DETAILS. SAWCUT OR CORE DRILL CLEAN HOLES WITH NO OVERCUTTING. CONFORM WITH TYPICAL DETAILS.
- EXTERIOR WALLS ARE 12" INSULATED CMU GROUTED SOLID W/ STD REINF (WM12T), TYP UNO.
- INTERIOR WALLS ARE 8" CMU GROUTED SOLID W/ STD REINF (WM8), TYP UNO.
- BEAMS ARE EQUALLY SPACED BETWEEN COLUMNS. UNO.
- ONLY SJ AND CJ ARE PERMITTED AT LEVEL 2 SOG.



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APPROVED FIRE AND PANIC ONLY

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SCHEDULES

SLAB ON GRADE SCHEDULE	
TYPE	DESCRIPTION
SG5	5" CONC SLAB W/ #4 @ 16" OC EW CENTERED IN SLAB O' VAPOR RETARDER O' 4" FREE DRAINING CRUSHED ROCK
SG10	10" CONC SLAB W/ #4 @ 16" OC T&B EW O' VAPOR RETARDER O' 4" FREE DRAINING CRUSHED ROCK

DECK SCHEDULE	
TYPE	REINFORCING
GW3	3" TYPE "W" COMPOSITE STEEL DECK W/ 3 1/4" LWC FILL W/ 6x6-W1.4xW1.4 WWF, 3/4" CLR FROM TOC

ELEVATED SLAB SCHEDULE	
TYPE	DESCRIPTION
SE12	12" ELEVATED CONC SLAB. SEE SLAB REINFORCING PLANS FOR ADDL INFORMATION. UNO
SE14	14" ELEVATED CONC SLAB. SEE SLAB REINFORCING PLANS FOR ADDL INFORMATION. UNO

WALL SCHEDULE		
TYPE	REINFORCEMENT	DETAIL, UNO
WC8	#6 @ 16" OC VERT, #5 @ 16" OC HORIZ	13/S535
WC12	#6 @ 16" OC EF VERT, #5 @ 16" OC EF HORIZ	10/S534
WM8	#3 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/S541
WM8N	#5 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/S541
WM12	#5 @ 16" OC EF VERT, #4 @ 16" OC EF HORIZ	19/S542
WM12H	#5 @ 16" OC EF VERT, #4 @ 8" OC EF HORIZ	19/S542
WM12T	#5 @ 16" OC VERT, #4 @ 16" OC HORIZ	19/S543
WM12TH	#5 @ 16" OC VERT, #4 @ 8" OC HORIZ	19/S543

PLAN LEGEND

(E) ELEMENTS SHOWN FADED - LINETYPE AND PATTERN/HATCHING AS NOTED FOR NEW CONSTRUCTION

12" CMU WALL (WM12) 6" CMU WALL (WM6)

12" CMU WALL (WM12T) 8" CMU WALL (WM8)

8" CONC WALL (WC8) 12" CONC WALL (WC12)

NON-STRUCTURAL WALL, SAD

CONCRETE CURB OR PAD

DEPRESSED SLAB AREA

SAD FOR EXTENTS

SLAB STEP SYMBOL

ELEVATION RELATIVE TO TOC

CONC SLAB / STEEL DECK TYPE AND SPAN DIRECTION

BEAM SIZE

NUMBER OF WELDED HEADED STUDS, UNO

SEISMIC FORCE RESISTING SYSTEM MEMBER

BEAM ELEVATION RELATIVE TO TOS

BEAM CAMBER

BEAM SPLICE

NON-FRAME MOMENT CONNECTION

BOLTED DOUBLE ROW SFRS CONNECTION PER 10 S551 11 S551

CMU WALL BRACING

PRIMARY DIRECTION OF REBAR (LAYER A) - OUTERMOST TOP AND BOTTOM REINFORCING RUN IN THIS DIRECTION

**WALL TYPE SYMBOL KEY**

WALL INDICATOR

NOMINAL WALL THICKNESS (IN)

UNIQUE IDENTIFIER, SEE WALL SCHEDULE

WALL MATERIAL, C = CONCRETE, S = STEEL STUD, M = MASONRY

**COLUMN TYPE SYMBOL KEY**

COLUMN INDICATOR

COLUMN WIDTH (IN)

UNIQUE IDENTIFIER, SEE COLUMN SCHEDULE

COLUMN DEPTH (IN), SAME AS WIDTH IF BLANK

COLUMN MATERIAL, C = CONCRETE, S = STEEL, M = MASONRY

**CONC BEAM TYPE SYMBOL KEY**

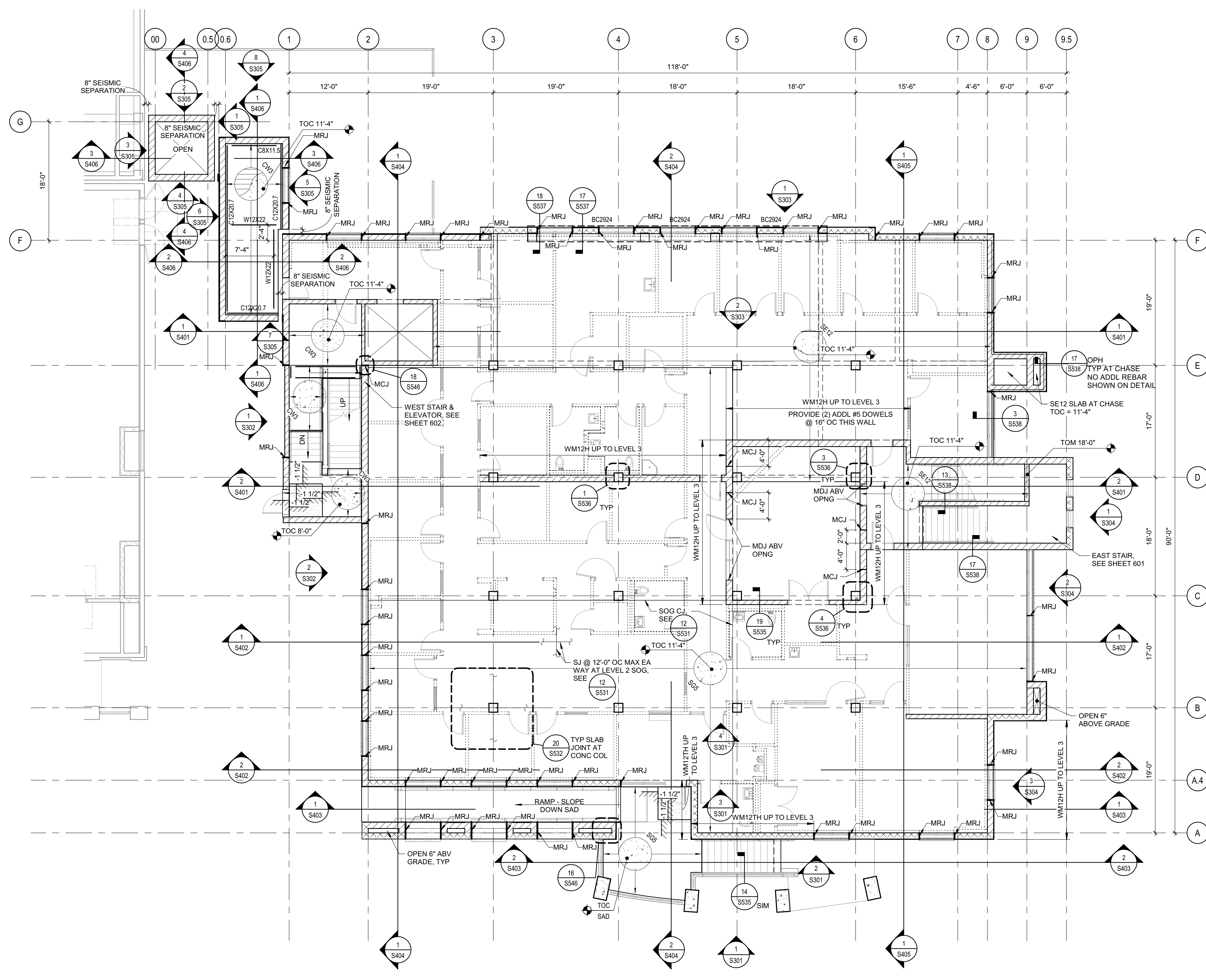
BEAM INDICATOR

BEAM WIDTH (IN)

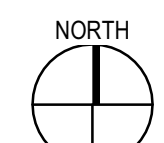
UNIQUE IDENTIFIER, SEE BEAM SCHEDULE

BEAM DEPTH (IN), SAME AS WIDTH IF BLANK

BEAM MATERIAL, C = CONCRETE, S (NOT USED), M = MASONRY

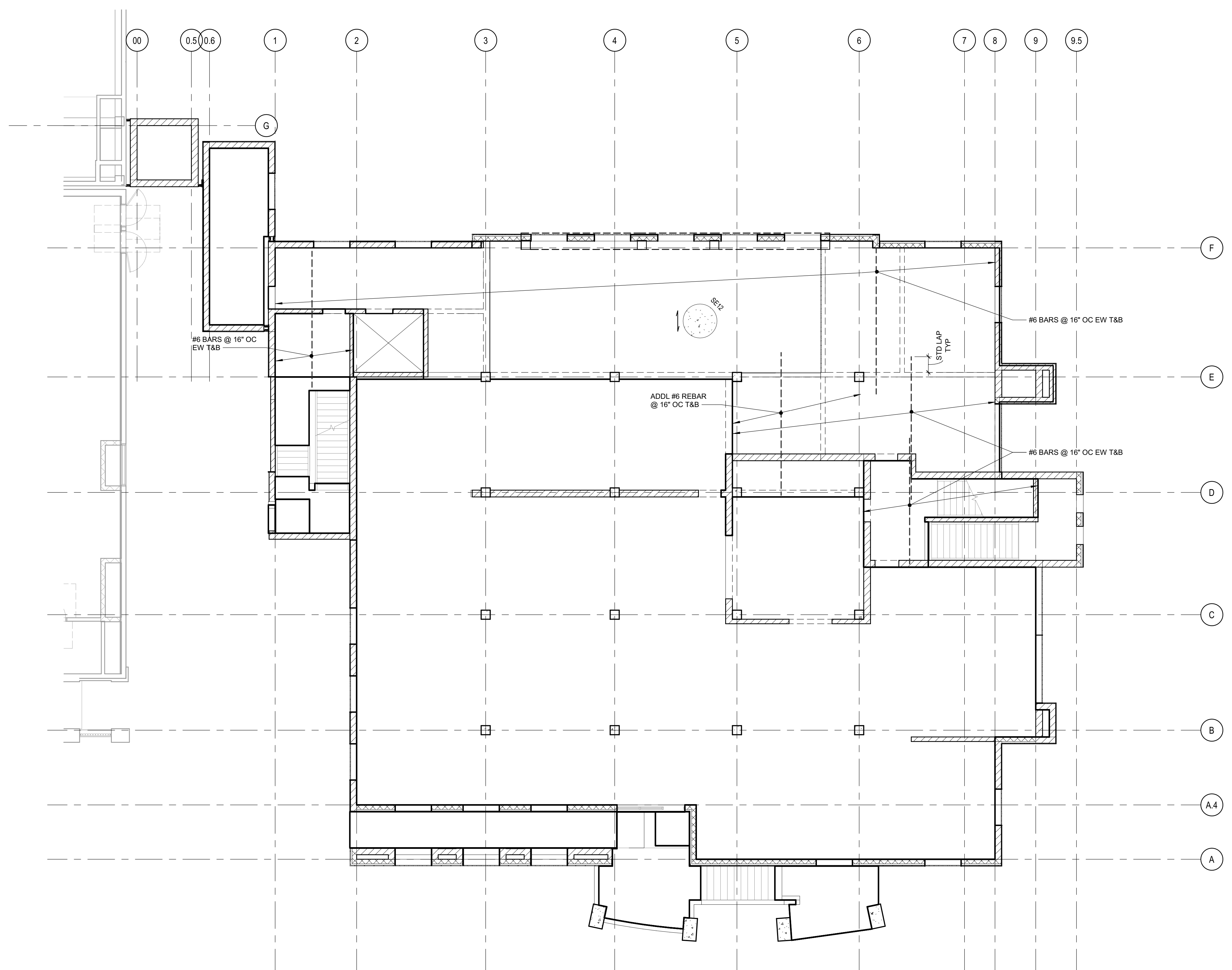


1 FLOOR PLAN - LEVEL 2  
SCALE: 1/8" = 1'-0"

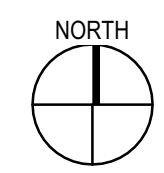


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Plot Date: 9/15/2022 3:24:21 PM  
 Name: 010 150 Humboldt Co. Corrections Re-Entry Resource Ctr 016205\_R-18\_S\_HCR-Re-Entry.rvt



**1** SLAB REINFORCING PLAN - LEVEL 2  
 SCALE 1/8" = 1'-0"



**FRAMING NOTES**

1. SEE S000 SERIES SHEETS FOR GENERAL NOTES & S500 SERIES SHEETS FOR TYPICAL DETAILS.
2. SEE S300 SERIES SHEETS FOR WALL & FRAMING ELEVATIONS.
3. DIMENSIONS ARE TO FOM OR CENTERLINE OF COLUMNS/POSTS, UNO. SEE SECTIONS & DETAILS FOR LOCATIONS RELATIVE TO FOM. SAD FOR DIMENSIONS NOT SHOWN.
4. SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS. SEE TYPICAL DETAILS FOR FRAMING AT OPENINGS.
5. SEE ARCH & OTHER CONSULTANT DWGS FOR FLOOR PENETRATIONS NOT SHOWN. PROVIDE FRAMING AROUND OPENINGS PER TYPICAL DETAILS. SAWCUT OR CORE DRILL CLEAN HOLES WITH NO OVERCUTTING. CONFORM WITH TYPICAL DETAILS.
6. EXTERIOR WALLS ARE 12" INSULATED CMU GROUTED SOLID W/ STD REINF (WM12T), TYP UNO.
7. INTERIOR WALLS ARE 8" CMU GROUTED SOLID W/ STD REINF (WM8), TYP UNO.
8. BEAMS ARE EQUALLY SPACED BETWEEN COLUMNS, UNO.
9. PROVIDE 3/4" DIA WELDED HEADED STUDS @ 12" OC AT ALL SUPPORTS UNDER STEEL DECK W/ CONCRETE FILL, TYP UNO.

**SCHEDULES**

SLAB ON GRADE SCHEDULE	
TYPE	DESCRIPTION
SG5	5" CONC SLAB W/ #4 @ 16" OC EW CENTERED IN SLAB O/ VAPOR RETARDER O/ 4" FREE DRAINING CRUSHED ROCK
SG10	10" CONC SLAB W/ #4 @ 16" OC T&B EW O/ VAPOR RETARDER O/ 4" FREE DRAINING CRUSHED ROCK

ELEVATED SLAB SCHEDULE	
TYPE	DESCRIPTION
SE12	12" ELEVATED CONC SLAB, SEE SLAB REINFORCING PLANS FOR ADDL INFORMATION, UNO
SE14	14" ELEVATED CONC SLAB, SEE SLAB REINFORCING PLANS FOR ADDL INFORMATION, UNO

**LEGEND**

- (E) ELEMENTS SHOWN FADED - LINETYPE AND PATTERN/HATCHING AS NOTED FOR NEW CONSTRUCTION
- 12" CMU WALL (WM12)
- 8" CMU WALL (WM8)
- 12" CMU WALL (WM12T)
- 8" CONC WALL (WC8)
- 12" CONC WALL (WC12)
- NON-STRUCTURAL WALL, SAD
- CONCRETE CURB OR PAD
- DEPRESSED SLAB AREA  
SAD FOR EXTENTS
- SLAB STEP SYMBOL  
ELEVATION RELATIVE TO TOC
- CONC SLAB / STEEL DECK  
TYPE AND SPAN DIRECTION
- COLUMN WITH CALLOUT
- BEAM SIZE  
NUMBER OF WELDED HEADED STUDS, UNO
- SEISMIC FORCE RESISTING SYSTEM MEMBER
- BEAM ELEVATION RELATIVE TO OS
- BEAM CAMBER
- BEAM SPLICE
- NON-FRAME MOMENT CONNECTION
- CMU WALL BRACING
- PRIMARY DIRECTION OF REBAR - OUTERMOST TOP AND BOTTOM REINFORCING RUN IN THIS DIRECTION
- REBAR



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**LICENSE STAMPS**



**PROJECT NAME**

**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

**SHEET TITLE**

**SLAB REINFORCING**  
**PLAN - LEVEL 2**

**DRAWING STATUS**

**WORKING DRAWINGS**

**REVISIONS**

Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

SHEET No.  
**S202A V4**

CONC BEAM SCHEDULE

TYPE	GRID	BEAM WIDTH	BEAM DEPTH	TYP BOT REINF	TYP TOP REINF	SHEAR REINFORCING	DETAIL
BC1640	0.8A	1'-4"	3'-4"	(3) #8 BARS	(2) #8 BARS	#4 STIRRUPS @ 4" OC	9/S537
BC3224	A	2'-8"	2'-0"	(2) LAYERS OF (4) #8 BARS	(2) LAYERS OF (4) #8 BARS	(2) #4 STIRRUPS @ 4" OC	2/S537

PROVIDE 135-90 CROSS-TIES AT TOP OF ALL BEAMS, MATCH SIZE AND SPACING OF SHEAR REINF. SEE DETAILS FOR HOOK ORIENTATION, TYP

FRAMING NOTES

- SEE S300 SERIES SHEETS FOR GENERAL NOTES & S500 SERIES SHEETS FOR TYPICAL DETAILS.
- SEE S300 SERIES SHEETS FOR WALL & FRAMING ELEVATIONS.
- DIMENSIONS ARE TO FOM OR CENTERLINE OF COLUMNS/POSTS, UNO. SEE SECTIONS & DETAILS FOR FOC LOCATIONS RELATIVE TO FOM. SAD FOR DIMENSIONS NOT SHOWN.
- SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS. SEE TYPICAL DETAILS FOR FRAMING AT OPENINGS.
- SEE ARCH & OTHER CONSULTANT DWGS FOR FLOOR PENETRATIONS NOT SHOWN. PROVIDE FRAMING AROUND OPENINGS PER TYPICAL DETAILS. SAWCUT OR CORE DRILL CLEAN HOLES WITH NO OVERCUTTING. CONFORM WITH TYPICAL DETAILS.
- EXTERIOR WALLS ARE 12" INSULATED CMU GROUDED SOLID W/ STD REINF (WM12T), TYP UNO.
- INTERIOR WALLS ARE 8" CMU GROUDED SOLID W/ STD REINF (WM8), TYP UNO.
- BEAMS ARE EQUALLY SPACED BETWEEN COLUMNS, UNO.
- PROVIDE 3/4" DIA WELDED HEADED STUDS @ 12" OC AT ALL SUPPORTS UNDER STEEL DECK W/ CONCRETE FILL, TYP UNO.



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SCHEDULES

ELEVATED SLAB SCHEDULE		
TYPE	DESCRIPTION	DETAIL, UNO
SE12	12" ELEVATED CONC SLAB, SEE SLAB REINFORCING PLANS FOR ADDL INFORMATION, UNO	
SE14	14" ELEVATED CONC SLAB, SEE SLAB REINFORCING PLANS FOR ADDL INFORMATION, UNO	

DECK SCHEDULE		
TYPE	REINFORCING	DETAIL, UNO
CW3	3" TYPE "W" COMPOSITE STEEL DECK W/ 3 1/4" LWC FILL W/ 6x6-W1.4xW1.4 WWF, 3/4" CLR FROM TOC	
DN3	3" x 18 GA TYPE "N" STEEL DECK	

WALL SCHEDULE		
TYPE	REINFORCEMENT	DETAIL, UNO
WC8	#6 @ 16" OC VERT, #5 @ 16" OC HORIZ	13/S535
WC12	#6 @ 16" OC EF VERT, #5 @ 16" OC EF HORIZ	10/S534
WM8	#5 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/S541
WM8N	#5 @ 16" OC VERT & #4 @ 16" OC HORIZ	19/S541
WM12	#5 @ 16" OC EF VERT, #4 @ 16" OC EF HORIZ	19/S542
WM12H	#5 @ 16" OC EF VERT, #4 @ 16" OC EF HORIZ	19/S542
WM12T	#5 @ 16" OC VERT, #4 @ 16" OC HORIZ	19/S543
WM12TH	#5 @ 16" OC VERT, #4 @ 16" OC HORIZ	19/S543

PLAN LEGEND

(E) ELEMENTS SHOWN FADED - LINETYPE AND PATTERN/HATCHING AS NOTED FOR NEW CONSTRUCTION

12" CMU WALL (WM12) 6" CMU WALL (WM6)

12" CMU WALL (WM12T) 8" CMU WALL (WM8)

8" CONC WALL (WC8) 12" CONC WALL (WC12)

NON-STRUCTURAL WALL, SAD

CONCRETE CURB OR PAD

DEPRESSED SLAB AREA

SAD FOR EXTENTS

SLAB STEP SYMBOL

ELEVATION RELATIVE TO TOC

CONC SLAB / STEEL DECK TYPE AND SPAN DIRECTION

BEAM SIZE NUMBER OF WELDED HEADED STUDS, UNO

W12x40 (48) SFRS

C=12" [-2"]

SEISMIC FORCE RESISTING SYSTEM MEMBER

BEAM ELEVATION RELATIVE TO OS

BEAM CAMBER

BEAM SPLICE

NON-FRAME MOMENT CONNECTION

BOLTED DOUBLE ROW SFRS CONNECTION PER 10 S551 11 S551

CMU WALL BRACING

PRIMARY DIRECTION OF REBAR (LAYER A) - OUTERMOST TOP AND BOTTOM REINFORCING RUN IN THIS DIRECTION

**WALL TYPE SYMBOL KEY**

WALL INDICATOR

NOMINAL WALL THICKNESS (IN)

UNIQUE IDENTIFIER, SEE WALL SCHEDULE

WALL MATERIAL, C = CONCRETE, S = STEEL STUD, M = MASONRY

**COLUMN TYPE SYMBOL KEY**

COLUMN INDICATOR

COLUMN WIDTH (IN)

UNIQUE IDENTIFIER, SEE COLUMN SCHEDULE

COLUMN DEPTH (IN), SAME AS WIDTH IF BLANK

COLUMN MATERIAL, C = CONCRETE, S = STEEL, M = MASONRY

**CONC BEAM TYPE SYMBOL KEY**

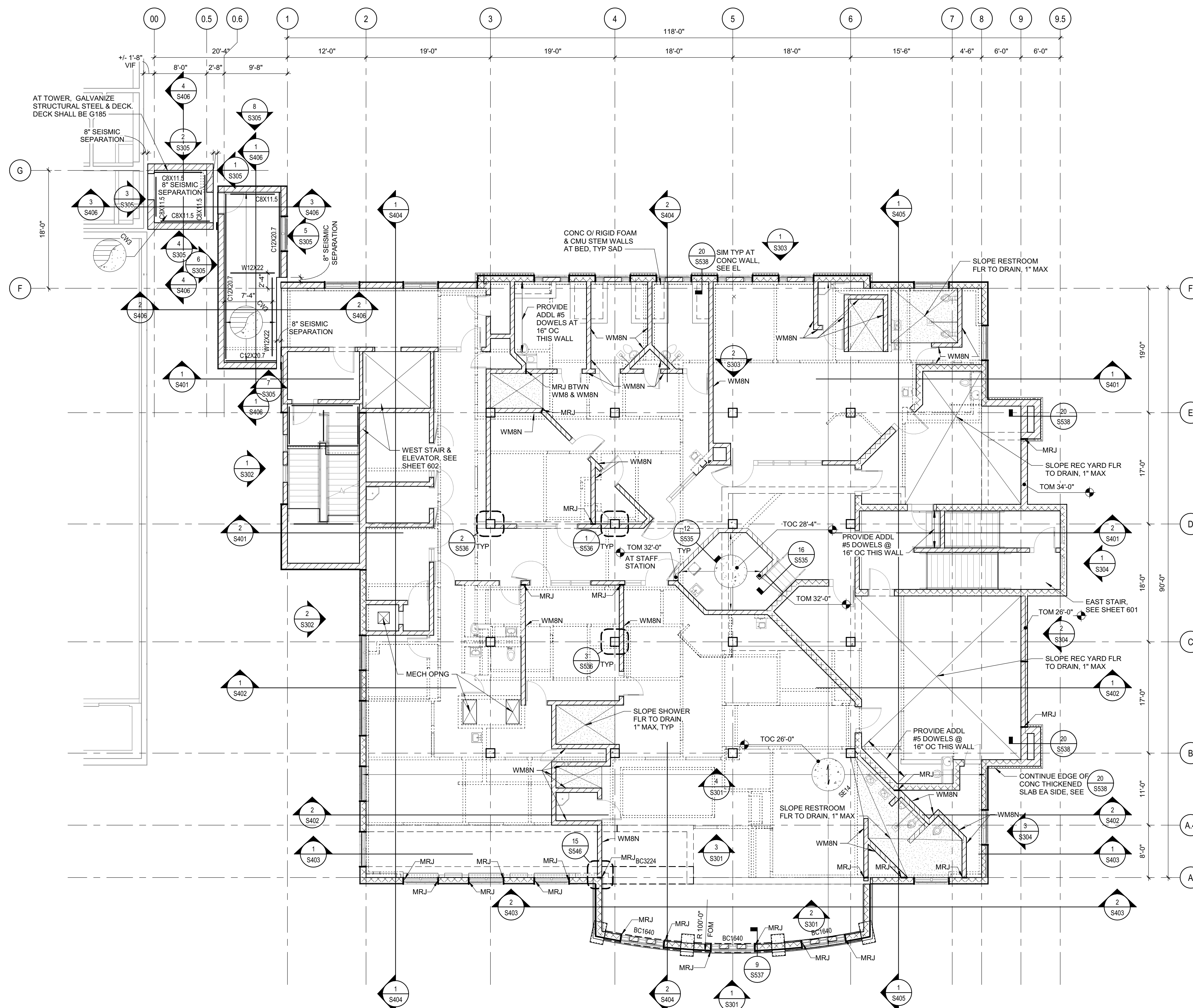
BEAM INDICATOR

BEAM WIDTH (IN)

UNIQUE IDENTIFIER, SEE BEAM SCHEDULE

BEAM DEPTH (IN), SAME AS WIDTH IF BLANK

BEAM MATERIAL, C = CONCRETE, S (NOT USED), M = MASONRY



1 FLOOR PLAN - LEVEL 3  
SCALE 1/8" = 1'-0"

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**FLOOR PLAN - LEVEL 3**

DRAWING STATUS  
**WORKING DRAWINGS**

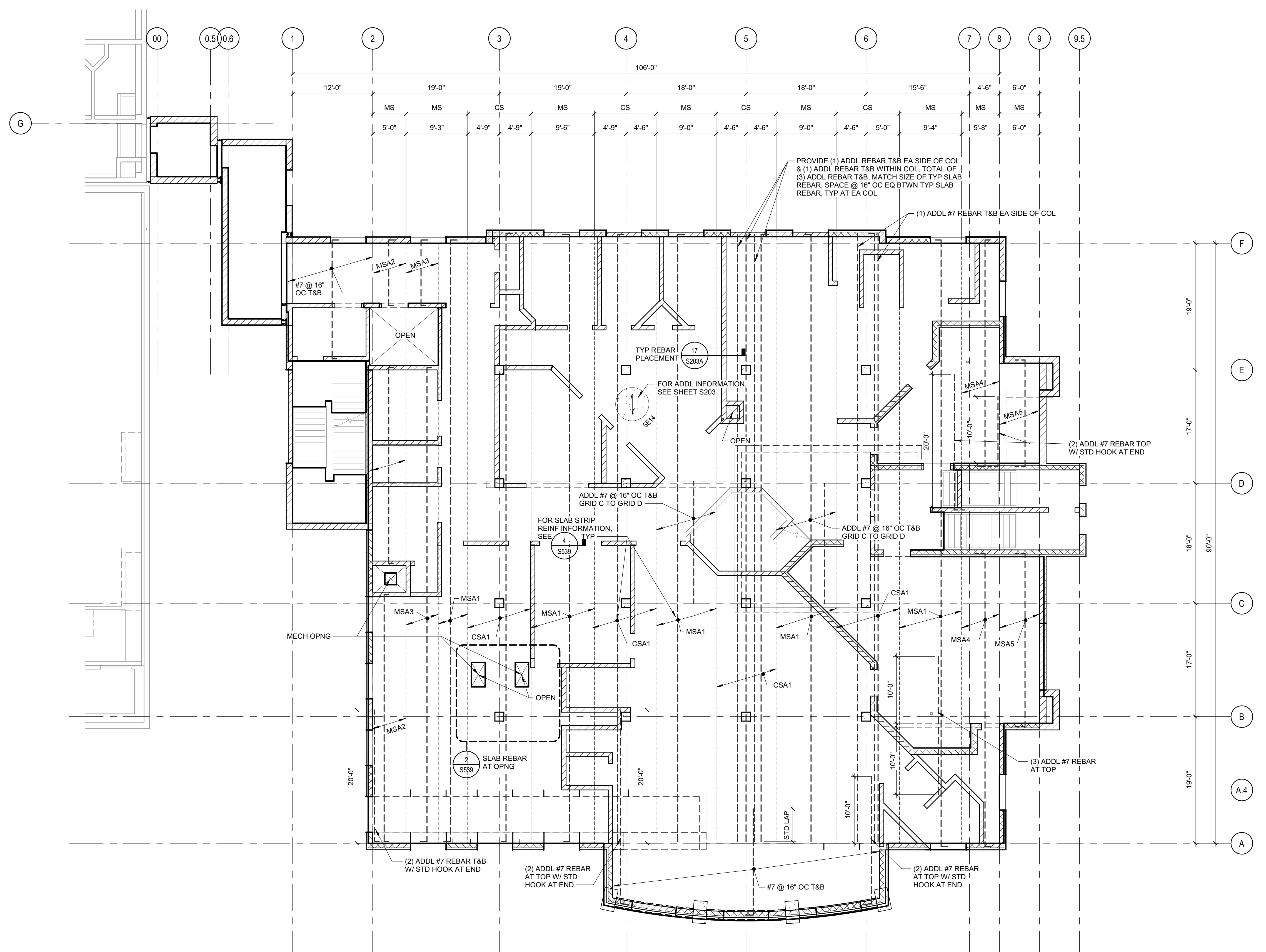
REVISIONS

Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

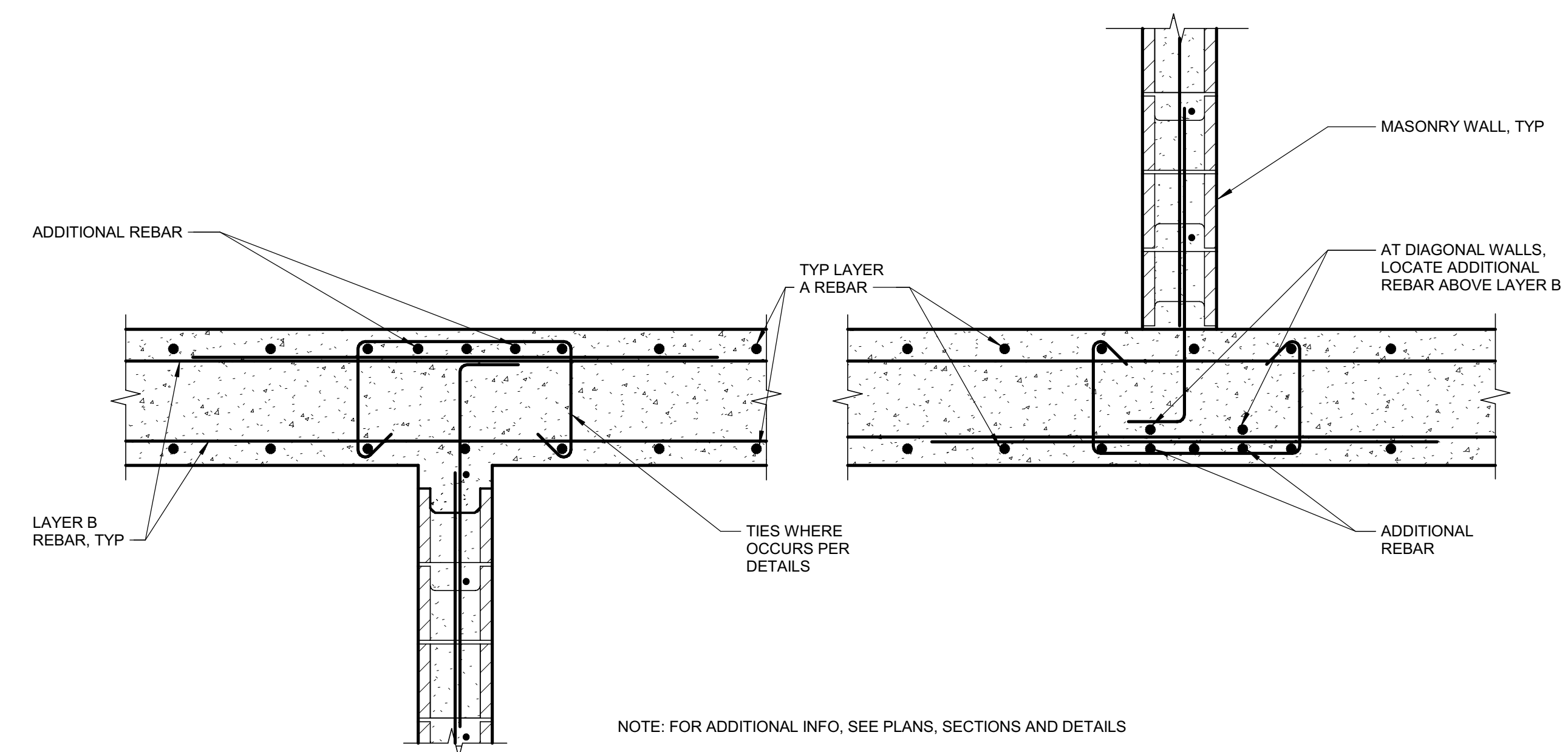
SHEET No.  
**S203 V4**

Plot Date: 9/15/2022 3:24:31 PM  
 Name: S:\161205\161205\_R-18\_S\_HCR\_Re-Entry.v4



**1** SLAB REINFORCING PLAN - LEVEL 3  
 SCALE 1/8" = 1'-0"

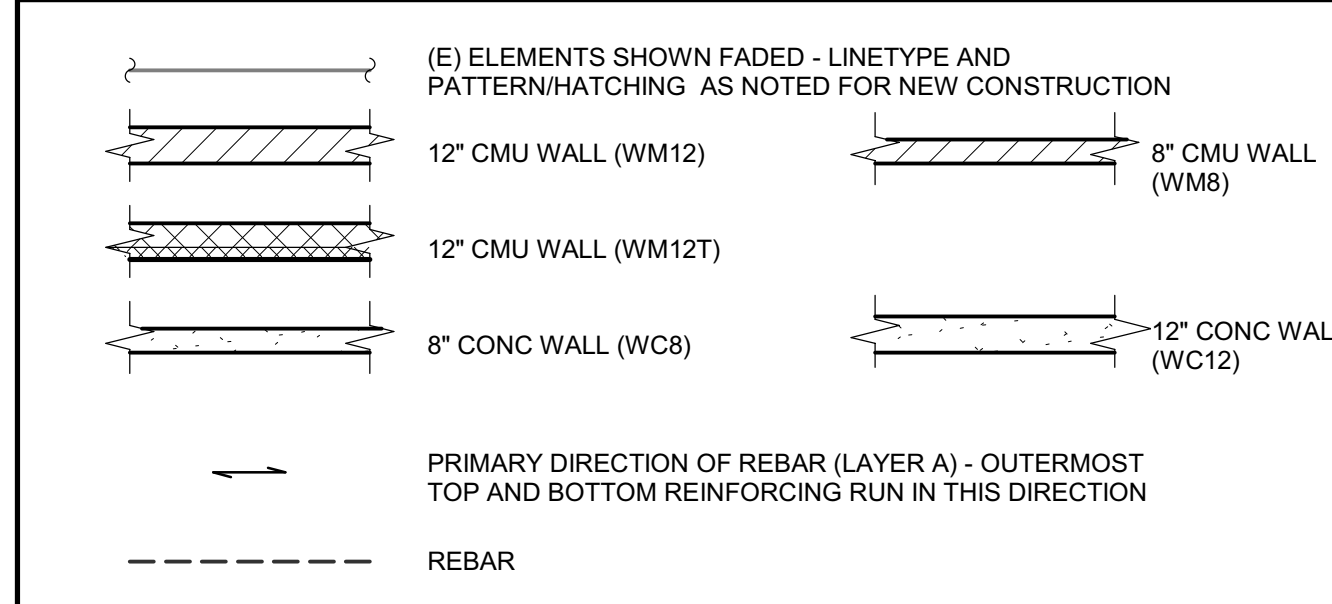
**17** TYP REBAR PLACEMENT - LAYER A  
 1" = 1'-0"



**SLAB REINFORCING NOTES**

- SEE SHEET S539 FOR SLAB STRIP ELEVATIONS.
- ADDITIONAL REBAR SHALL BE SPACED EQUALLY BETWEEN TYPICAL SLAB REINF TYP UNO. ADDITIONAL REBAR SHALL BE LOCATED WITHIN THE STRIP EXTENTS WHERE SHOWN ON THE PLAN.
- SEE DETAILS FOR ADDITIONAL REBAR NOT SHOWN ON PLAN
- FOR SPACING OF SMALL OPENINGS NOT SHOWN, SEE 20 / S539

**LEGEND**



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**LICENSE STAMPS**



PROJECT NAME  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SLAB REINFORCING**  
**PLAN - LEVEL 3**

DRAWING STATUS

**WORKING DRAWINGS**

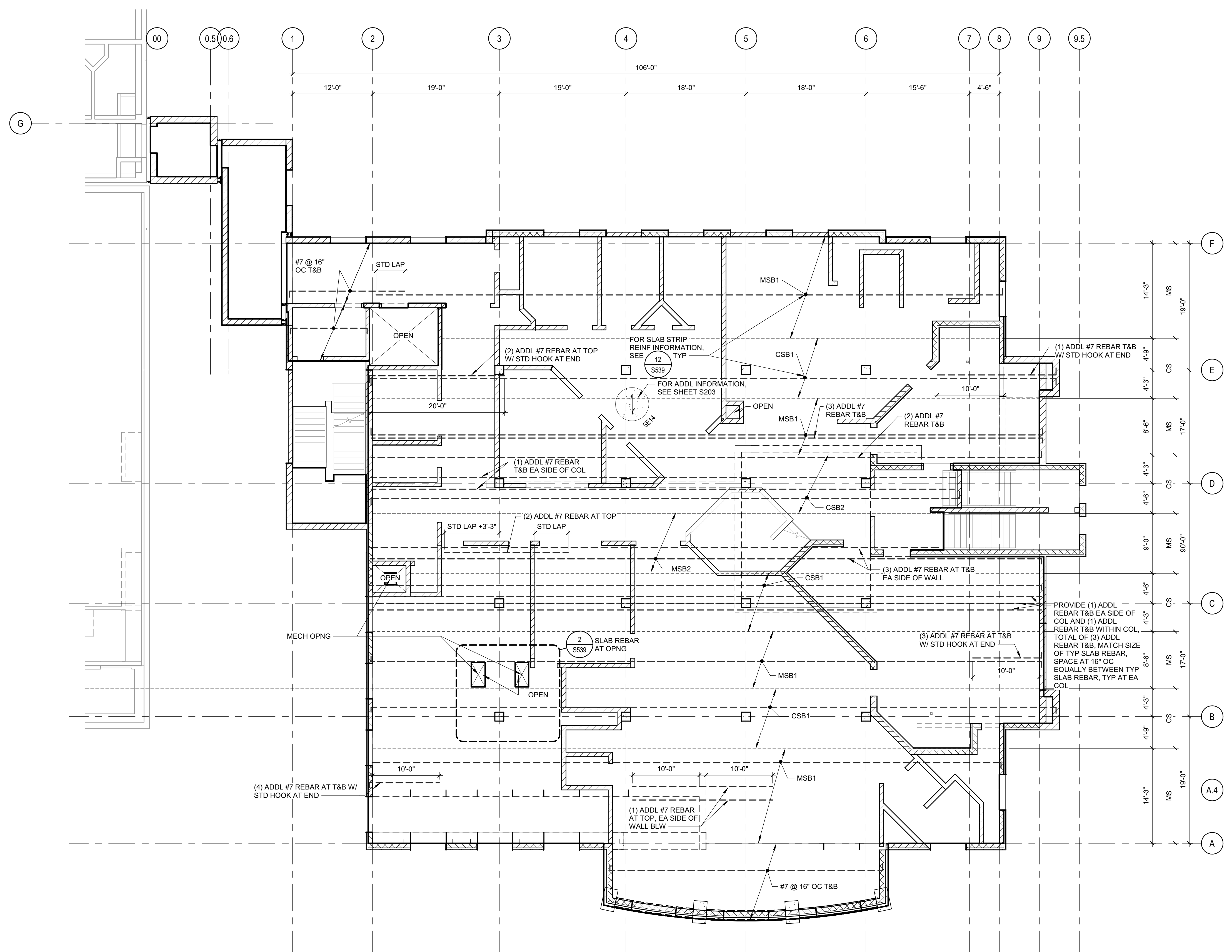
**REVISIONS**

Sym.	Description	Date

Drawn By PAB  
 Date Issued 07.29.2022  
 Scale As indicated  
 Project No. 016205.01

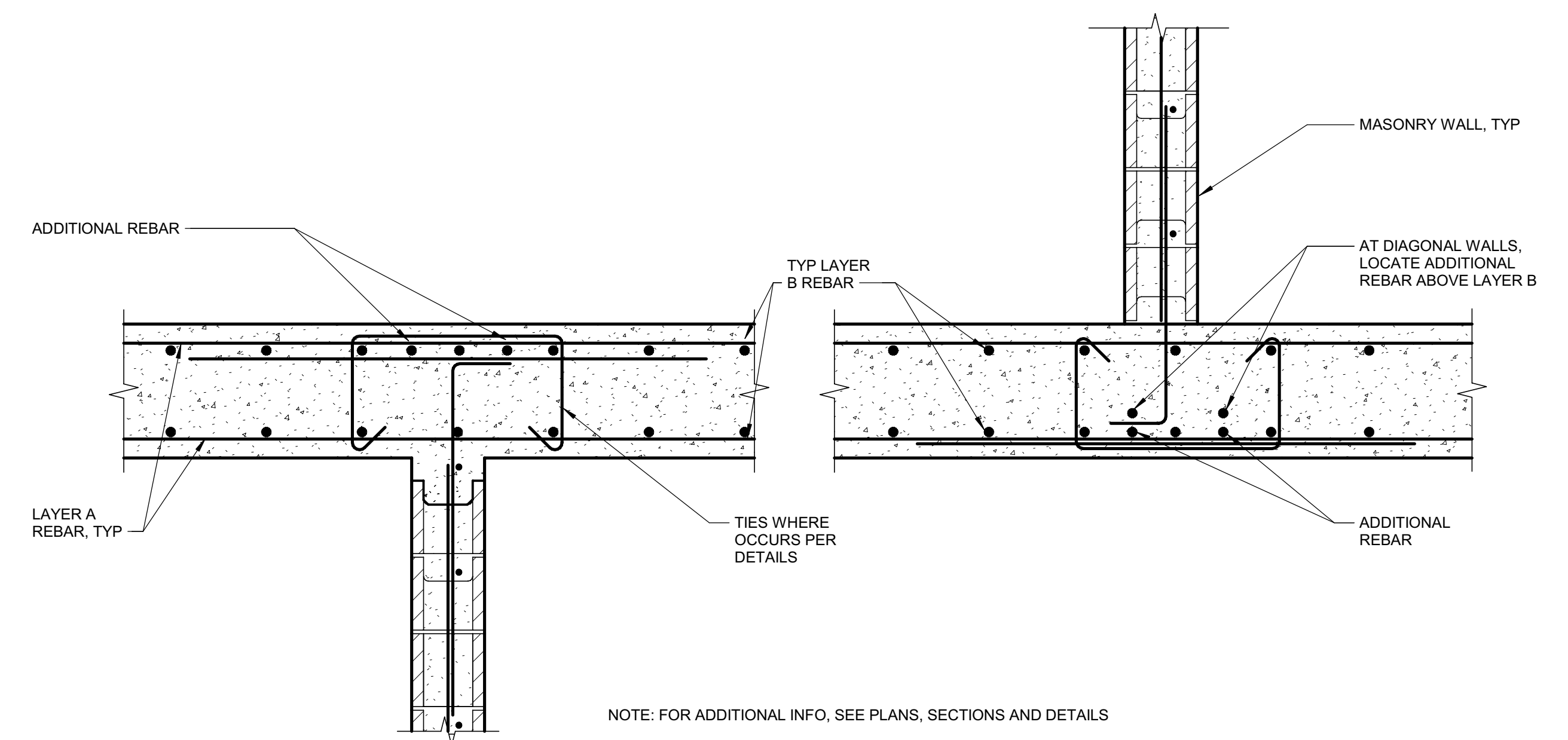
SHEET No.  
**S203A V4**

Plot Date: 9/15/2022 3:24:34 PM  
 Name: 016 200 Humboldt Co. Corrections Re-Entry Resource Ctr 016205\_R-18\_S\_HCR-Re-Entry.rvt



**1** SLAB REINFORCING PLAN - LEVEL 3  
 SCALE 1/8" = 1'-0"

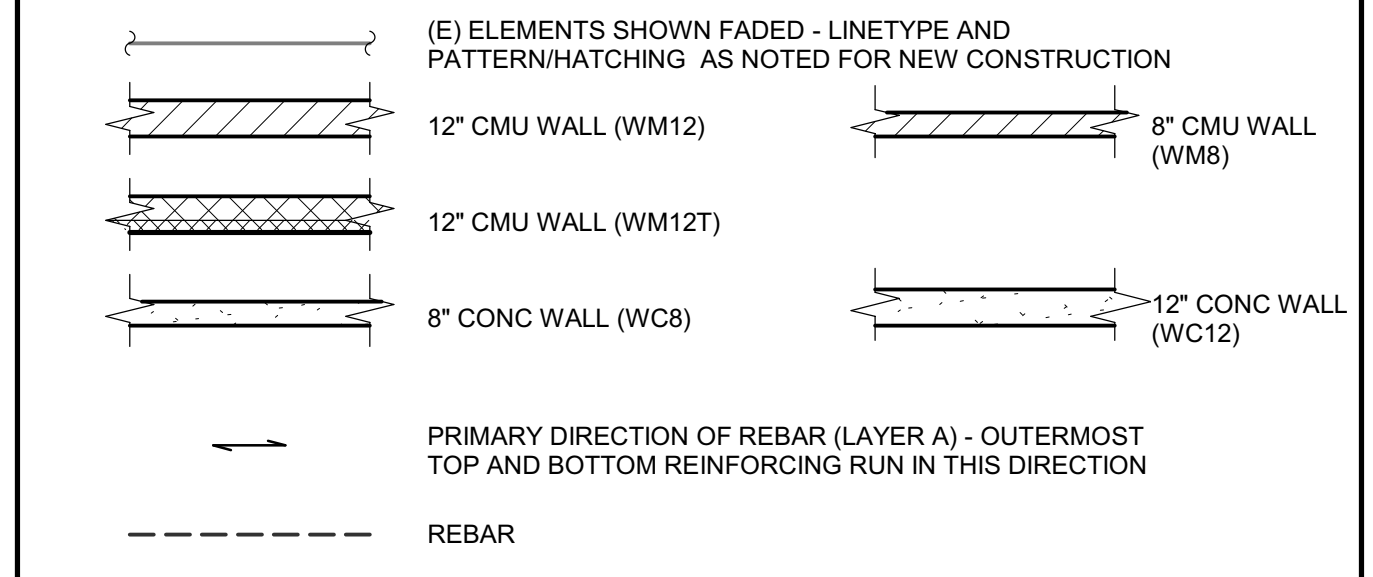
**17** TYP REBAR PLACEMENT - LAYER B  
 1" = 1'-0"



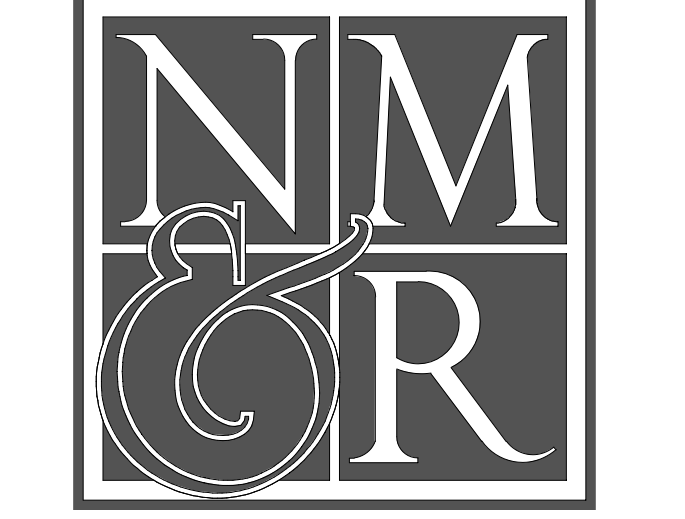
**SLAB REINFORCING NOTES**

- SEE SHEET S539 FOR SLAB STRIP ELEVATIONS.
- ADDITIONAL REBAR SHALL BE SPACED EQUALLY BETWEEN TYPICAL SLAB REINF TYP UNO. ADDITIONAL REBAR SHALL BE LOCATED WITHIN THE STRIP EXTENTS WHERE SHOWN ON THE PLAN.
- SEE DETAILS FOR ADDITIONAL REBAR NOT SHOWN ON PLAN
- FOR SPACING OF SMALL OPENINGS NOT SHOWN, SEE 20 / S539

**LEGEND**



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**LICENSE STAMPS**



PROJECT NAME  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SLAB REINFORCING**  
**PLAN - LEVEL 3**

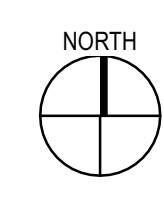
DRAWING STATUS  
**WORKING DRAWINGS**

**REVISIONS**

Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

SHEET No.  
**S203B V4**



CONC BEAM SCHEDULE

TYPE	GRID	BEAM WIDTH	BEAM DEPTH	TYP BOT REINF	TYP TOP REINF	SHEAR REINFORCING	DETAIL
BC1224	1	1'-0"	2'-0"	(3) #6 BARS	(3) #6 BARS	#4 STIRRUPS @ 4" OC	13/S544
BC1624	6	1'-4"	2'-0"	(3) #8 BARS	(6) #8 BARS	#4 STIRRUPS @ 4" OC	8/S537

PROVIDE 135-90 CROSS-TIES AT TOP OF ALL BEAMS. MATCH SIZE AND SPACING OF SHEAR REINF. SEE DETAILS FOR HOOK ORIENTATION, TYP

FRAMING NOTES

- SEE S3000 SERIES SHEETS FOR GENERAL NOTES & S500 SERIES SHEETS FOR TYPICAL DETAILS.
- SEE S3000 SERIES SHEETS FOR WALL & FRAMING ELEVATIONS.
- DIMENSIONS ARE TO FOM OR CENTERLINE OF COLUMNS/POSTS. UNO. SEE SECTIONS & DETAILS FOR FOC LOCATIONS RELATIVE TO FOM. SAD FOR DIMENSIONS NOT SHOWN.
- SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS. SEE TYPICAL DETAILS FOR FRAMING AT OPENINGS.
- SEE ARCH & OTHER CONSULTANT DWGS FOR FLOOR PENETRATIONS NOT SHOWN. PROVIDE FRAMING AROUND OPENINGS PER TYPICAL DETAILS. SAWCUT OR CORE DRILL CLEAN HOLES WITH NO OVERCUTTING. CONFORM WITH TYPICAL DETAILS.
- EXTERIOR WALLS ARE 12" INSULATED CMU GROUTED SOLID W/ STD REINF (WM12T), TYP UNO.
- INTERIOR WALLS ARE 8" CMU GROUTED SOLID W/ STD REINF (WM8), TYP UNO.
- BEAMS ARE EQUALLY SPACED BETWEEN COLUMNS, UNO.
- PROVIDE 3/4" DIA WELDED HEADED STUDS @ 12" OC AT ALL SUPPORTS UNDER STEEL DECK W/ CONCRETE FILL, TYP UNO.



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SCHEDULES

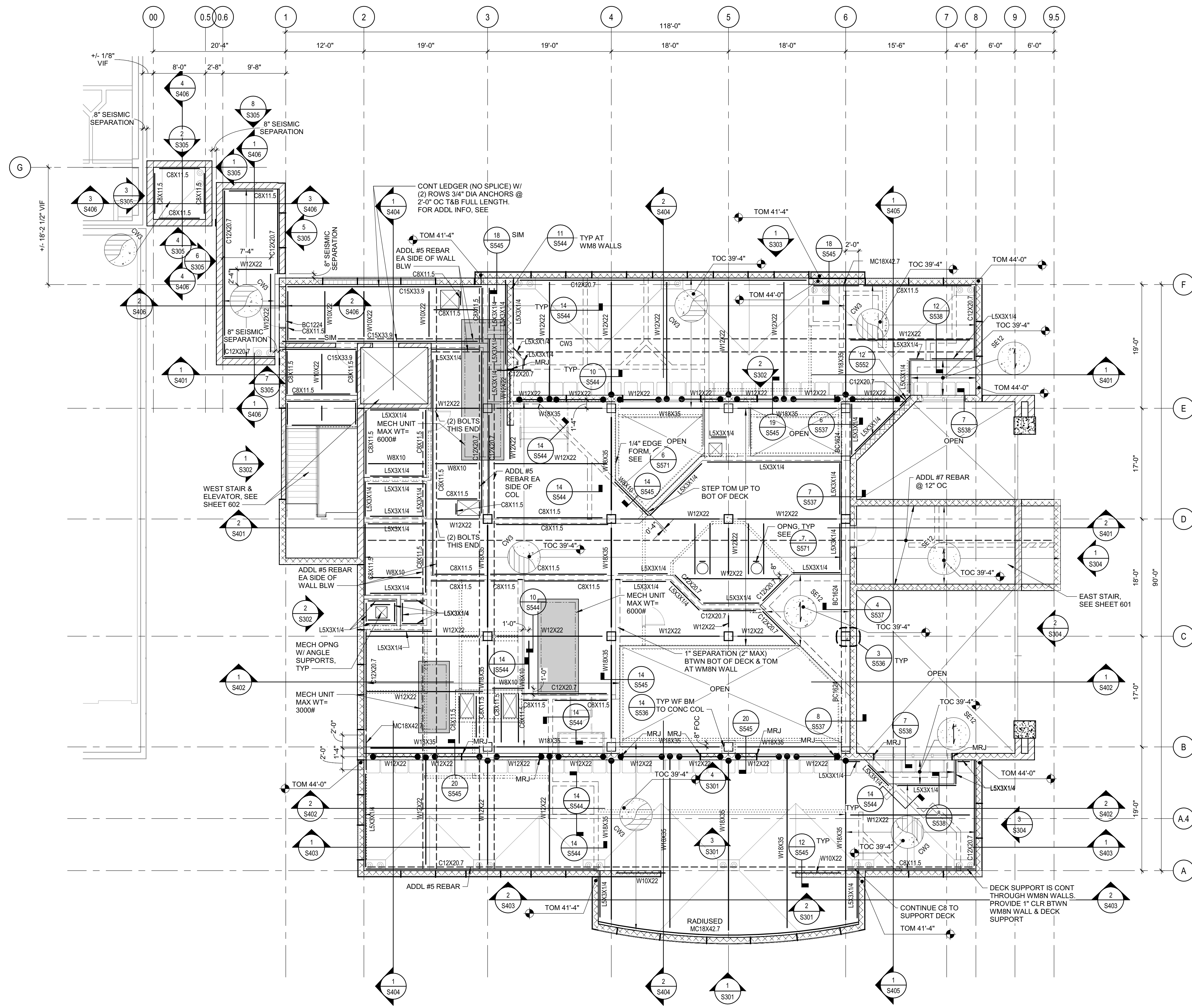
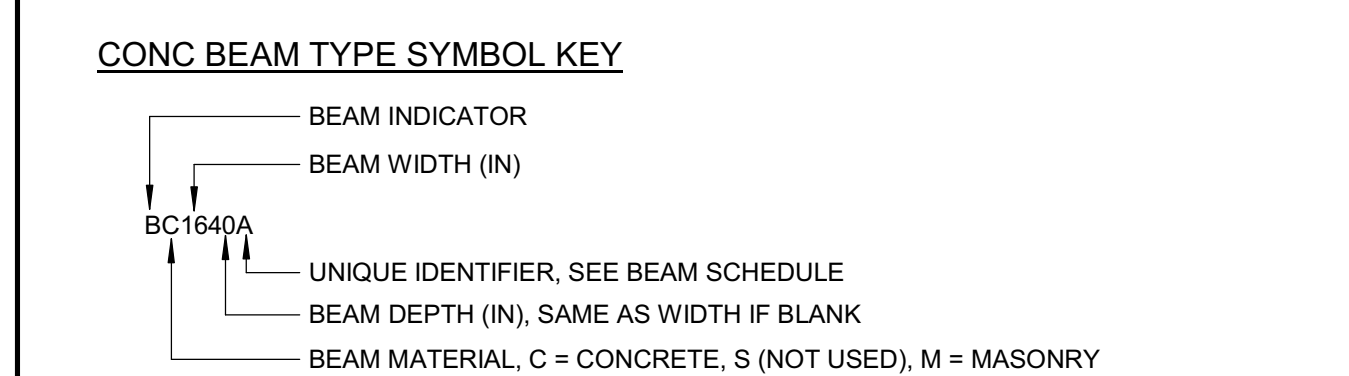
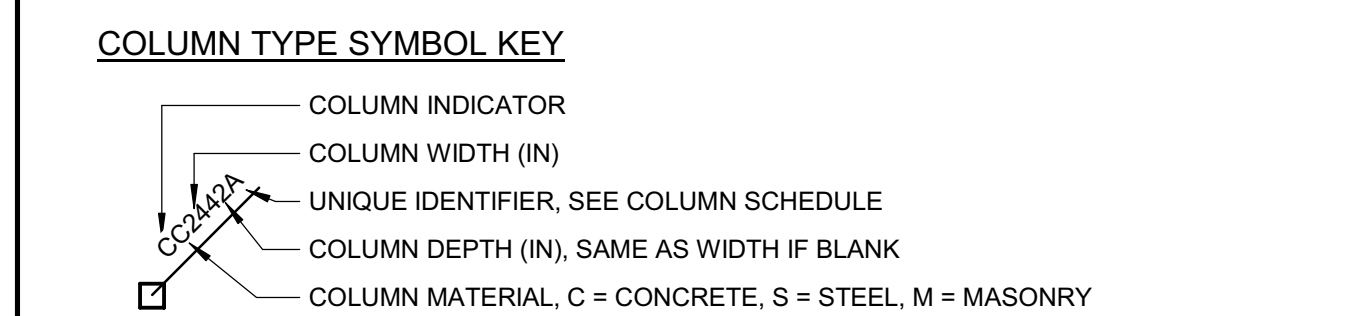
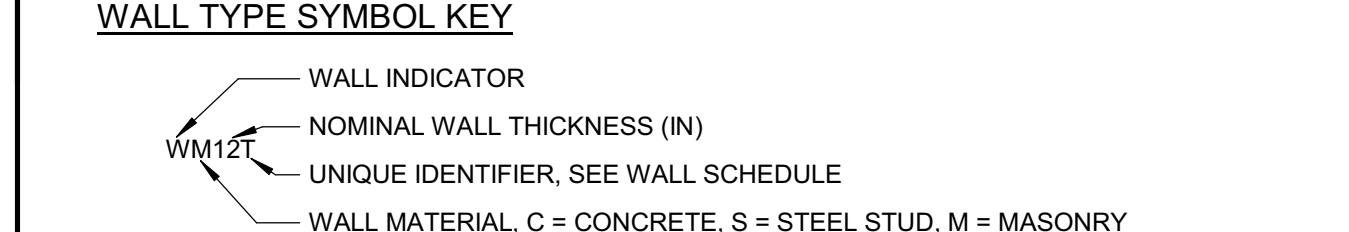
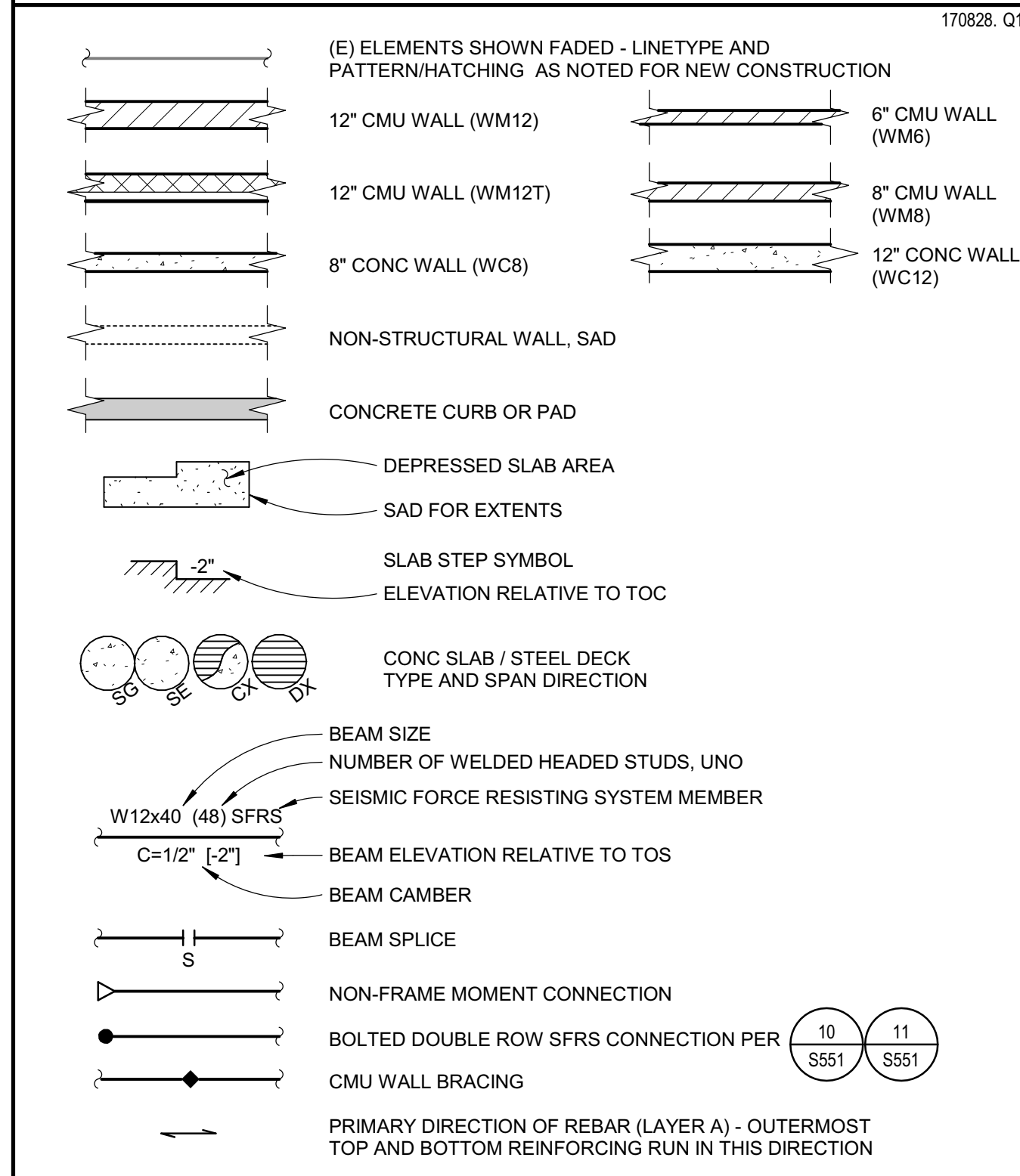
TYPE	REINFORCEMENT	DESCRIPTION	DETAIL
SE12	#6 @ 16" OC VERT, #5 @ 16" OC HORIZ	1/2" ELEVATED CONC SLAB. SEE SLAB REINFORCING PLANS FOR ADDL INFORMATION. UNO	13/S535
SE14	#6 @ 16" OC EF VERT, #5 @ 16" OC EF HORIZ	1/4" ELEVATED CONC SLAB. SEE SLAB REINFORCING PLANS FOR ADDL INFORMATION. UNO	10/S534

NOTE: REINF SE12 AT THIS LEVEL W/ #5 @ 16" OC EW T&B. OUTERMOST PRIMARY REINF BARS RUN IN THE NORTH-SOUTH DIRECTION. REINF SHALL HAVE 1 1/2" CLR TO TOP & BOT FACE OF SLAB.

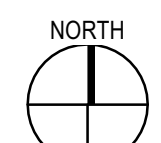
TYPE	REINFORCING	DESCRIPTION	DETAIL
WC3	3" TYPE "W" COMPOSITE STEEL DECK W/ 3 1/4" LWC FILL W/ 6x6-W1.4xW1.4 WWF, 3/4" CLR FROM TOC	3" TYPE "W" COMPOSITE STEEL DECK	10/S541
DN3	3" x 18 GA TYPE "N" STEEL DECK	3" x 18 GA TYPE "N" STEEL DECK	19/S542

TYPE	REINFORCEMENT	DESCRIPTION	DETAIL
WC8	#6 @ 16" OC VERT, #5 @ 16" OC HORIZ	8" CONC WALL (WC8)	13/S535
WC12	#6 @ 16" OC EF VERT, #5 @ 16" OC EF HORIZ	12" CONC WALL (WC12)	10/S534
WM6	#3 @ 16" OC VERT & #4 @ 16" OC HORIZ	6" CMU WALL (WM6)	19/S541
WM8	#5 @ 16" OC VERT & #4 @ 16" OC HORIZ	8" CMU WALL (WM8)	19/S541
WM8N	#5 @ 16" OC VERT & #4 @ 16" OC HORIZ	8" CMU WALL (WM8N)	19/S541
WM12	#5 @ 16" OC EF VERT, #4 @ 16" OC EF HORIZ	12" CONC WALL (WC12)	19/S542
WM12H	#5 @ 16" OC EF VERT, #4 @ 8" OC EF HORIZ	12" CONC WALL (WC12)	19/S542
WM12T	#5 @ 16" OC VERT, #4 @ 16" OC HORIZ	12" CONC WALL (WC12)	19/S543
WM12TH	#5 @ 16" OC VERT, #4 @ 8" OC HORIZ	12" CONC WALL (WC12)	19/S543

PLAN LEGEND



1 FLOOR PLAN - LEVEL 4 - LOW ROOF  
 SCALE 1/8" = 1'-0"



Plot Date: 9/15/2022 3:24:40 PM  
 Name: D:\160\InRoadCo\_Connections\Re-Entry Resource Ctr\016205\_R-18\_S\_HCR-Re-Entry.rvt

Sym.	Description	Date

Drawn By: PAB  
 Date Issued: 07.29.2022  
 Scale: As indicated  
 Project No.: 016205.01  
 SHEET No.  
**S204 V4**



CONC BEAM SCHEDULE						
TYPE	GRID	BEAM WIDTH	BEAM DEPTH	TYP BOT REINF	TYP TOP REINF	SHEAR REINFORCING
BC4036	9	3'-4"	3'-0"	(6) #6 BARS	(6) #6 BARS	#4 TIES @ 8" OC
						DETAIL 2/S545

### FRAMING NOTES

- SEE S000 SERIES SHEETS FOR GENERAL NOTES & S500 SERIES SHEETS FOR TYPICAL DETAILS.
- SEE S300 SERIES SHEETS FOR WALL & FRAMING ELEVATIONS.
- DIMENSIONS ARE TO FOM OR CENTERLINE OF COLUMNS/POSTS, UNO. SEE SECTIONS & DETAILS FOR FOC LOCATIONS RELATIVE TO FOM. SAD FOR DIMENSIONS NOT SHOWN.
- SEE ARCH & OTHER CONSULTANT DWGS FOR DIMENSIONS & LOCATIONS OF WALL OPENINGS. SEE TYPICAL DETAILS FOR FRAMING AT OPENINGS.
- SEE ARCH & OTHER CONSULTANT DWGS FOR FLOOR PENETRATIONS NOT SHOWN. PROVIDE FRAMING AROUND OPENINGS PER TYPICAL DETAILS. SAWCUT OR CORE DRILL CLEAN HOLES WITH NO OVERCUTTING. CONFORM WITH TYPICAL DETAILS.
- EXTERIOR WALLS ARE 12" INSULATED CMU GROUDED SOLID W/ STD REINF (WM12), TYP UNO.
- INTERIOR WALLS ARE 8" CMU GROUDED SOLID W/ STD REINF (WM8), TYP UNO.
- BEAMS ARE EQUALLY SPACED BETWEEN COLUMNS, UNO.
- TOS RADIUS AT CURVED ROOF = 50'-0".
- HOT DIPPED GALVANIZE ALL ROOF STEEL.



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 http://www.lionakis.com

### LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

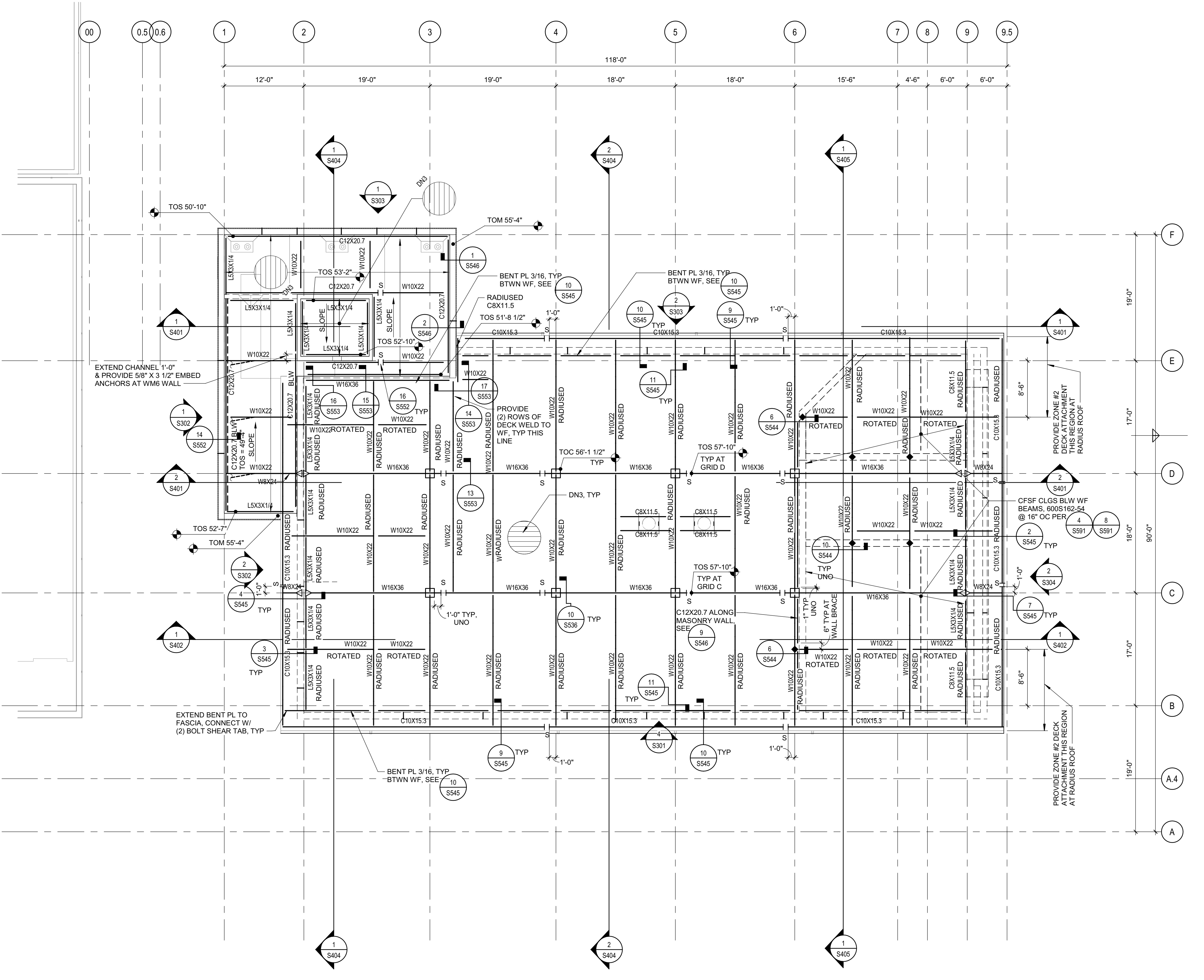
SHEET TITLE  
**FRAMING PLAN - LEVEL 5 - HIGH ROOF**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Sym.	Description	Date

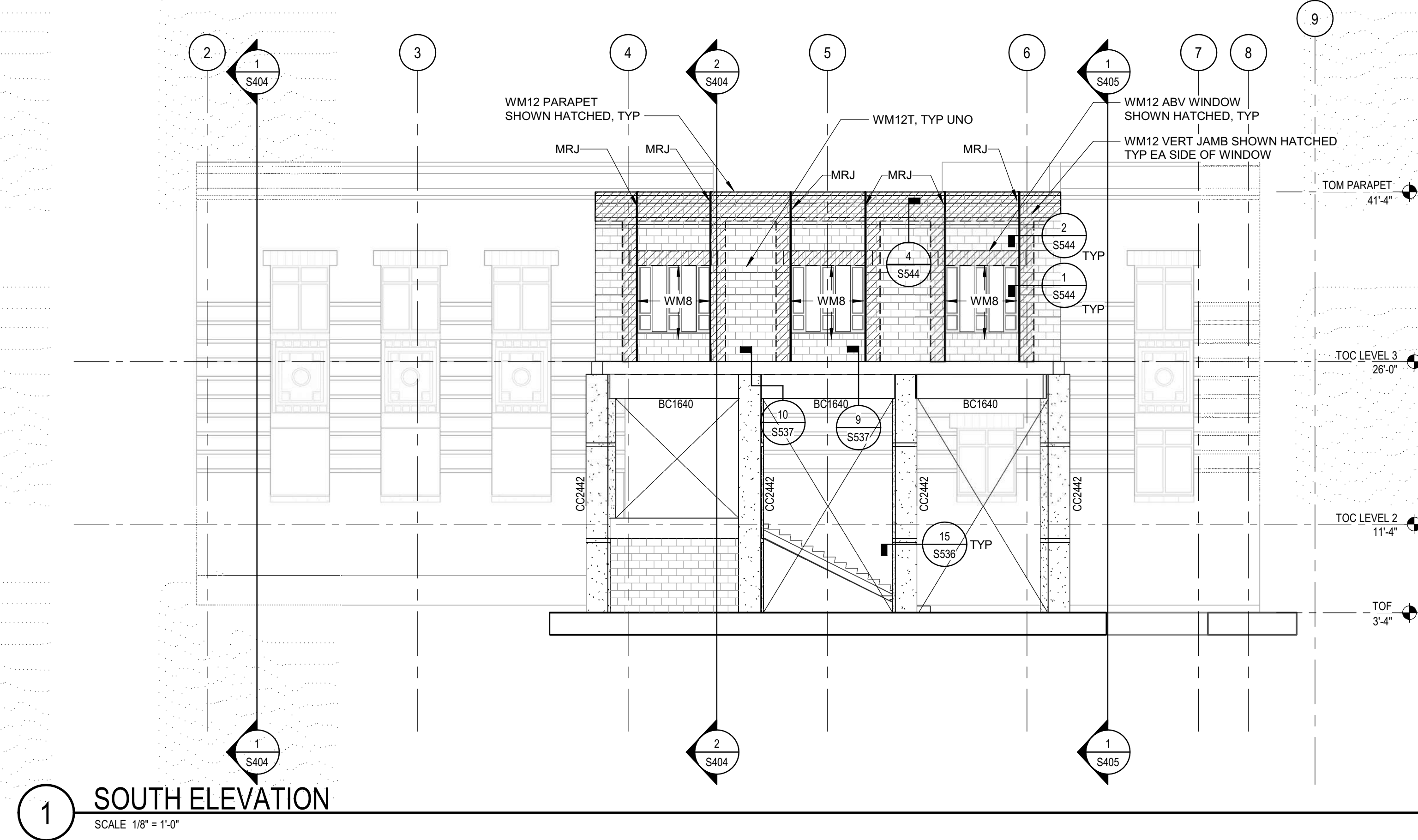
Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

SHEET No.  
**S205 V4**

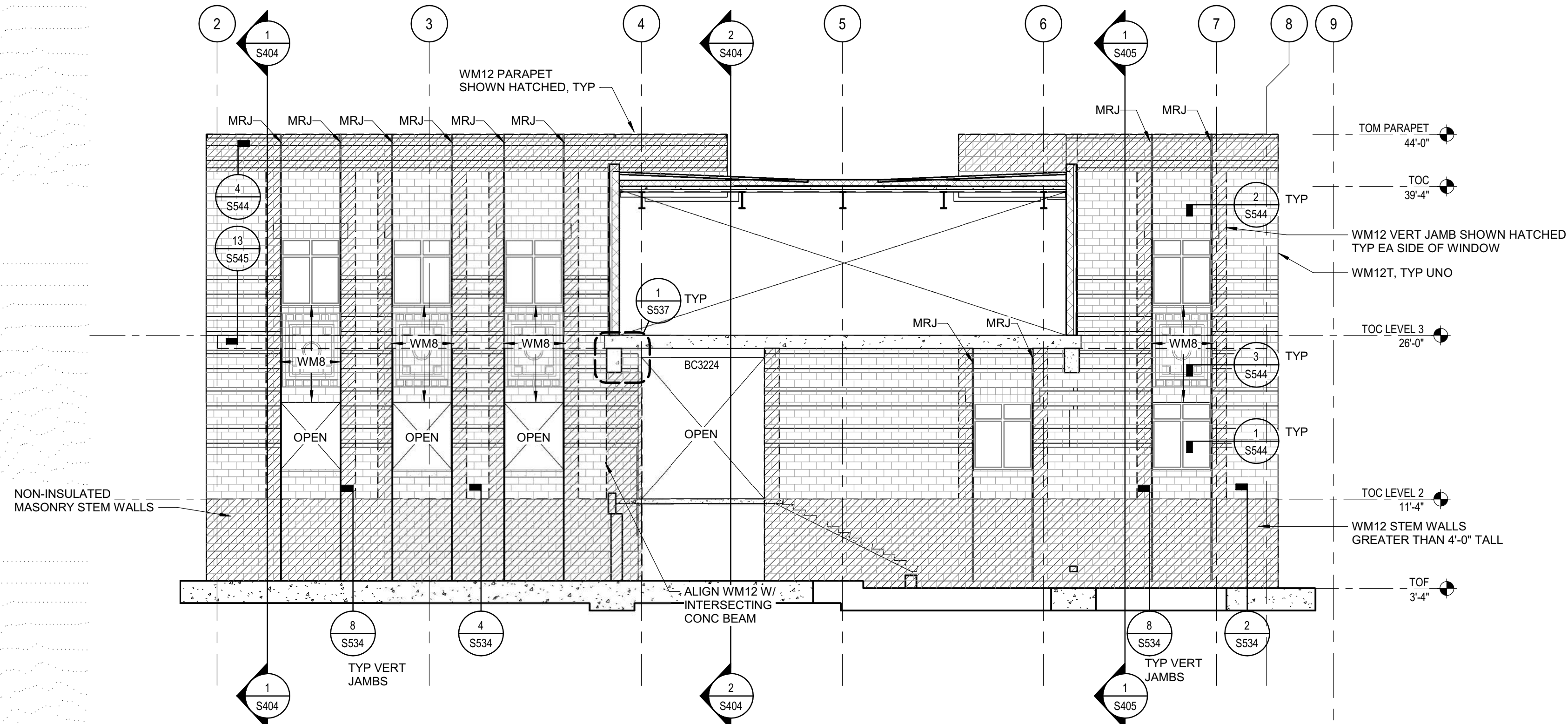


**1 FRAMING PLAN - LEVEL 5 - HIGH ROOF**  
 SCALE: 1/8" = 1'-0"

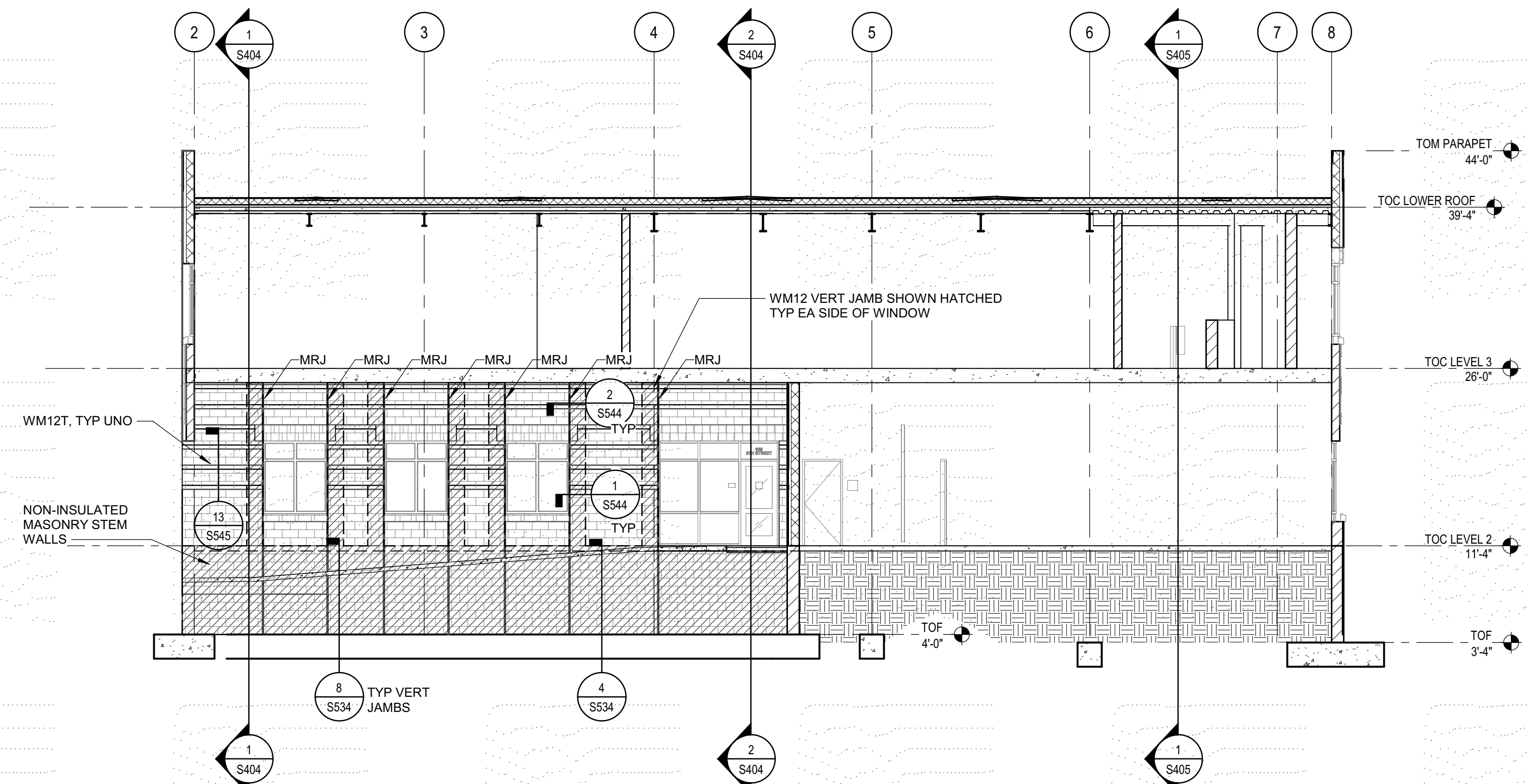
Plot Date: 9/15/2022 3:24:45 PM  
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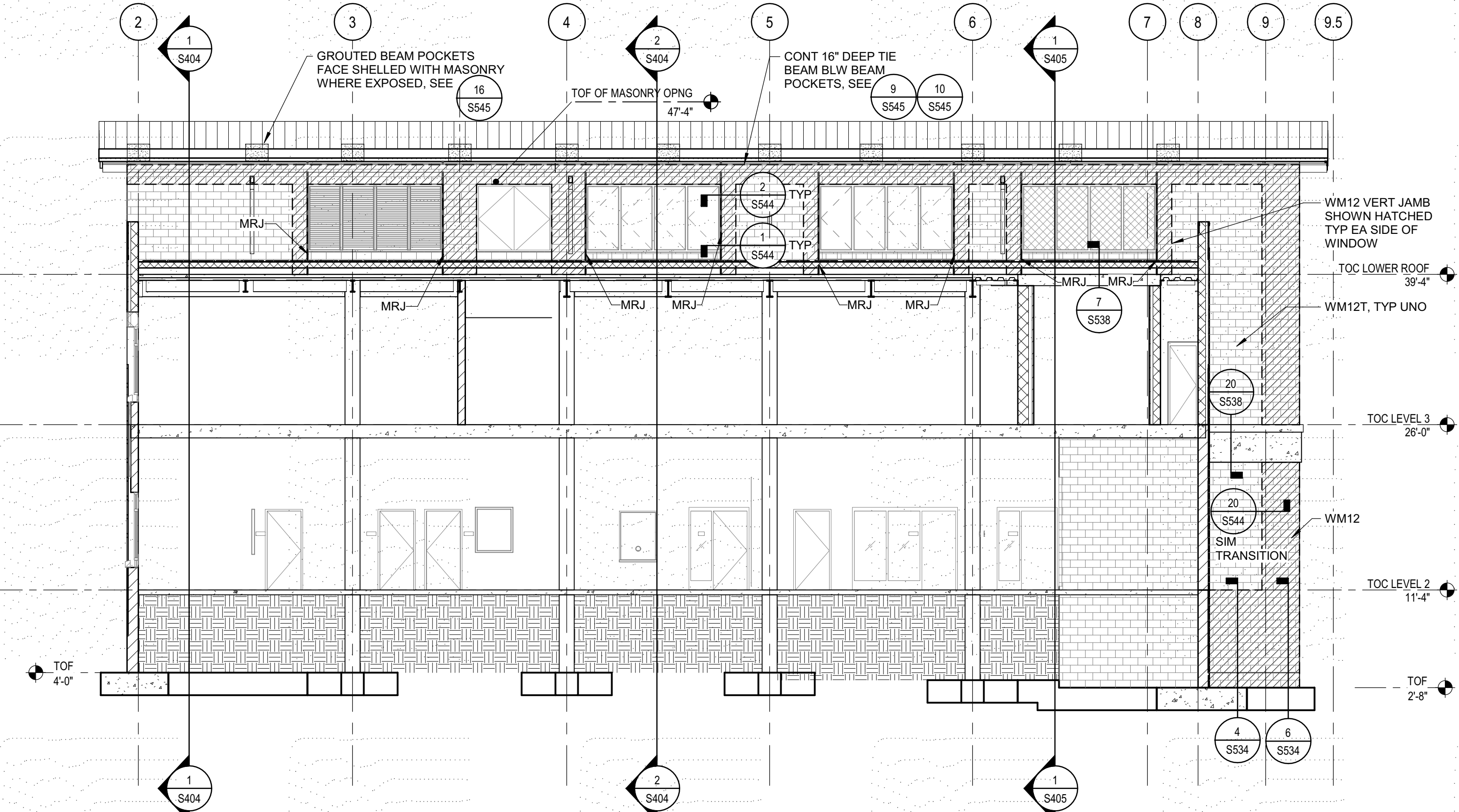
**1 SOUTH ELEVATION**  
SCALE 1/8" = 1'-0"



**2 ELEVATION AT GRID A**  
SCALE 1/8" = 1'-0"



**3 ELEVATION AT GRID A.4**  
SCALE 1/8" = 1'-0"



**4 ELEVATION AT GRID B**  
SCALE 1/8" = 1'-0"



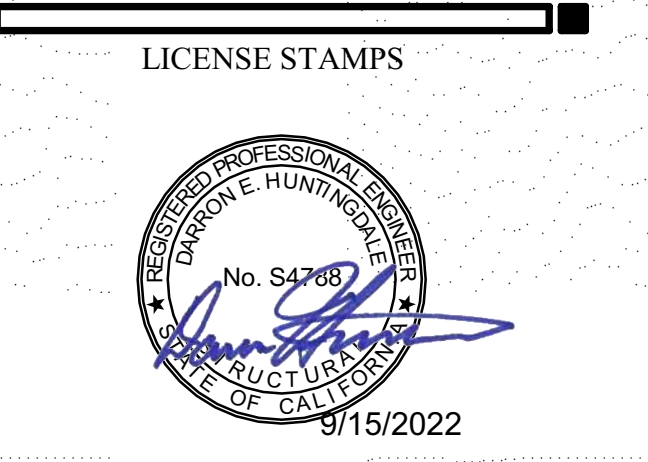
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RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**ELEVATIONS -  
EXTERIOR**

DRAWING STATUS  
**WORKING DRAWINGS**

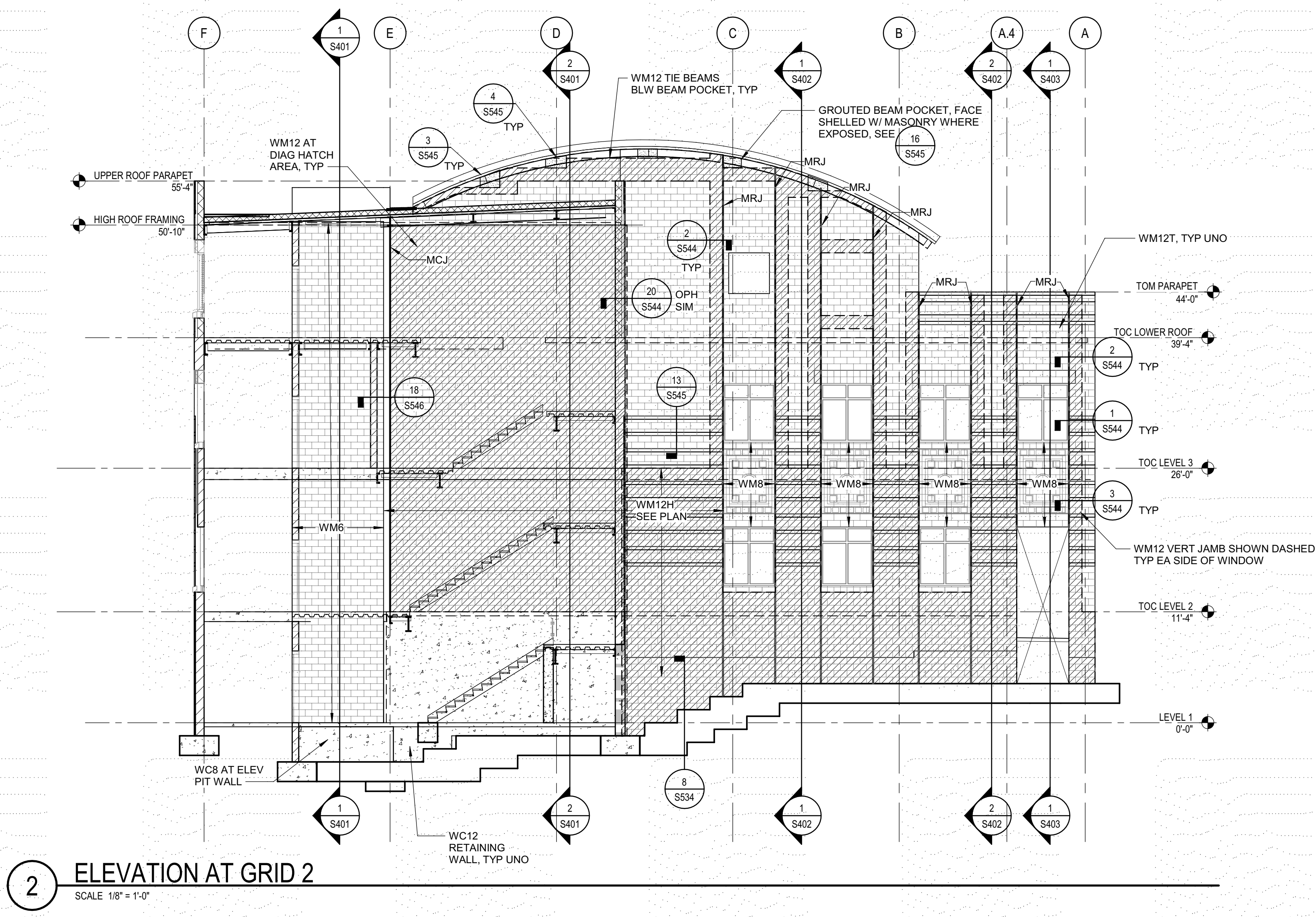
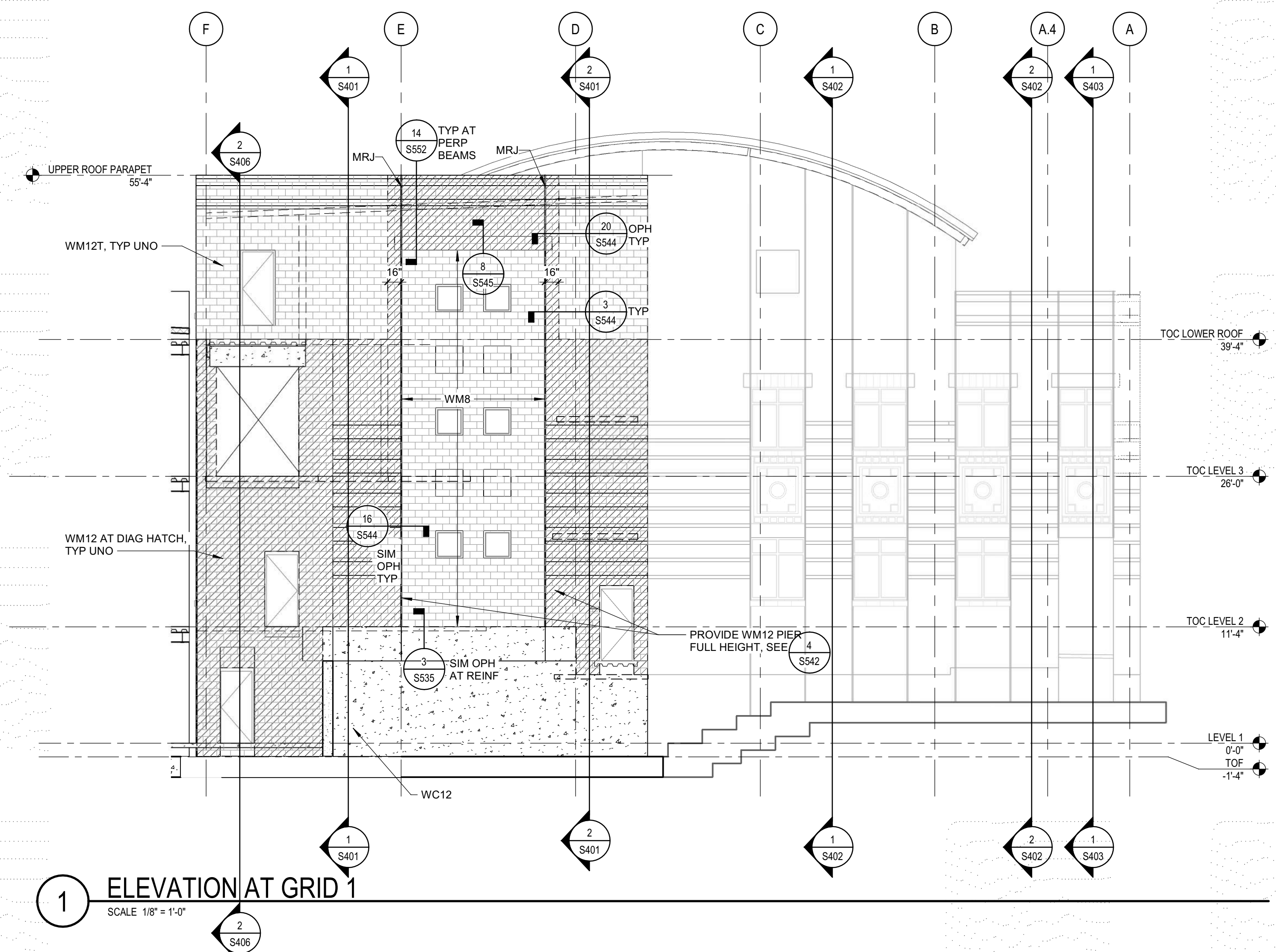
REVISIONS

Symt.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

SHEET No.  
**S301 V4**

Plot Date: 9/15/2022 3:24:52 PM  
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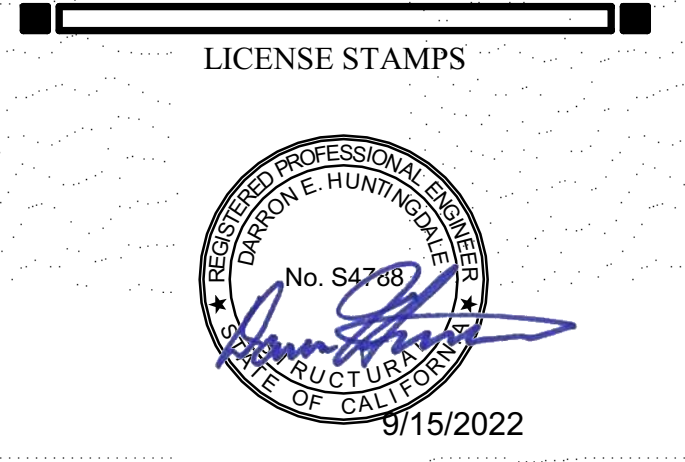
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EUREKA, CA 95501

SHEET TITLE  
**ELEVATIONS -  
EXTERIOR**

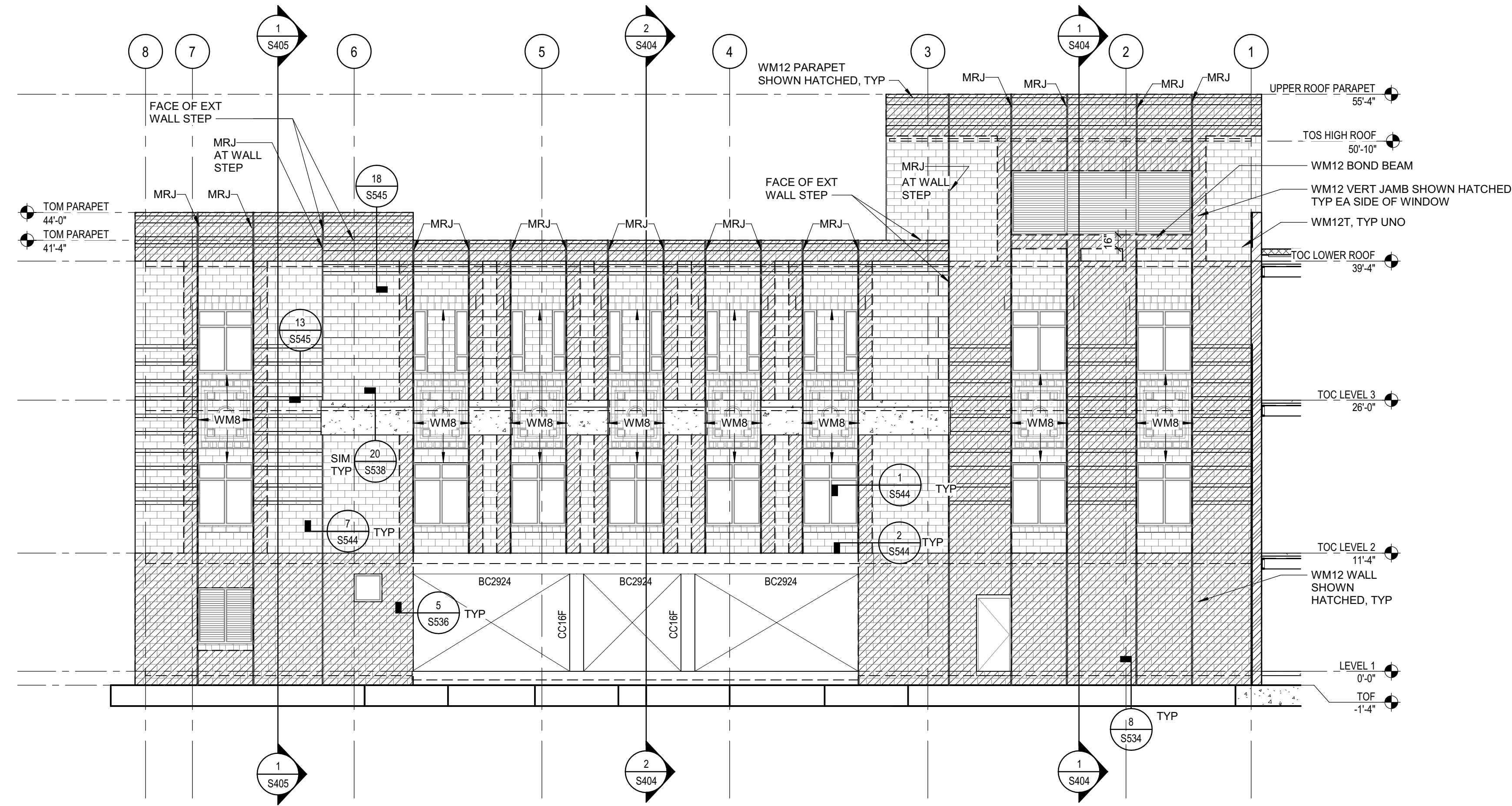
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

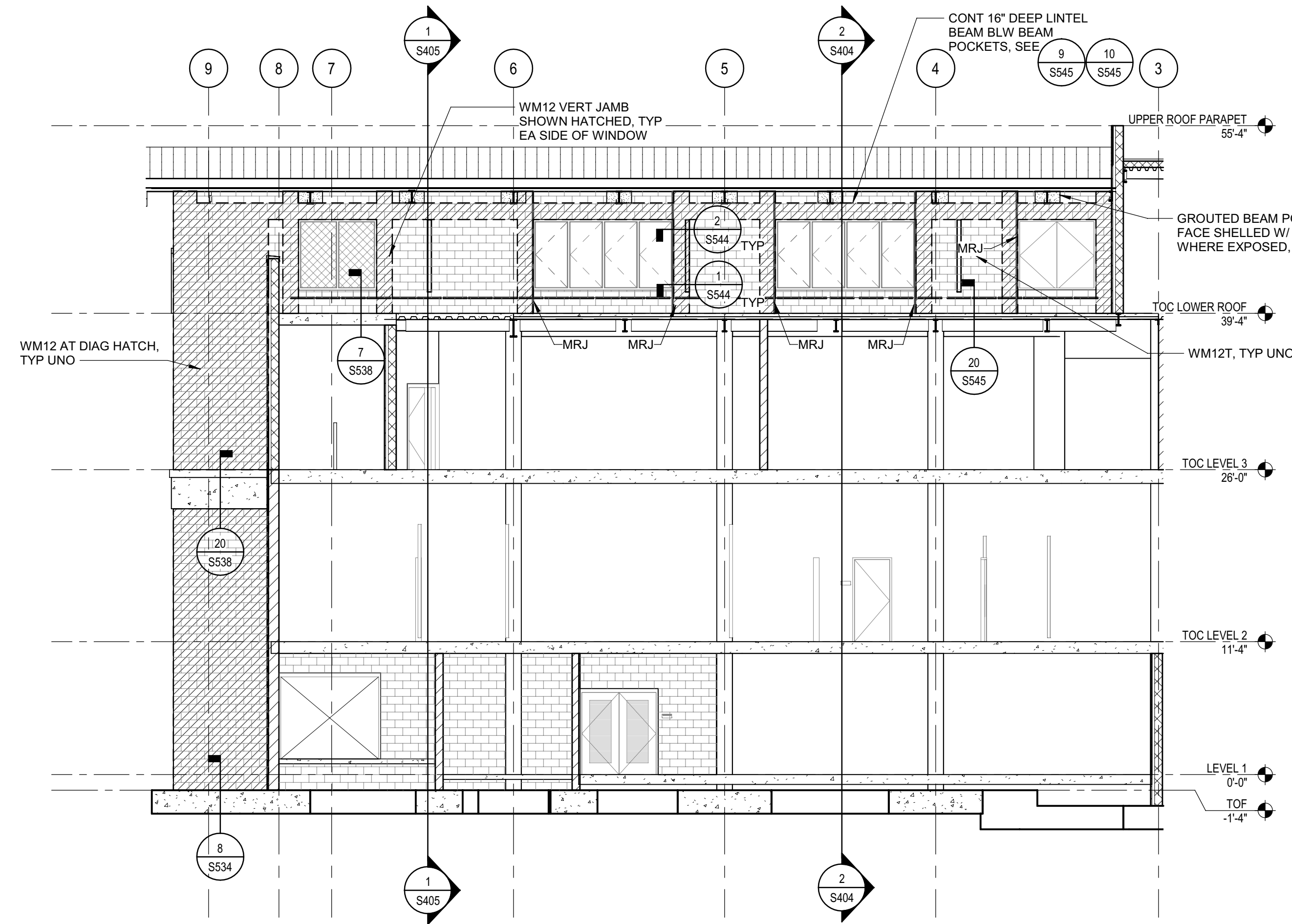
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

SHEET No.  
**S302 V4**



1 ELEVATION AT GRID F  
SCALE 1/8" = 1'-0"



2 ELEVATION AT LINE E  
SCALE 1/8" = 1'-0"

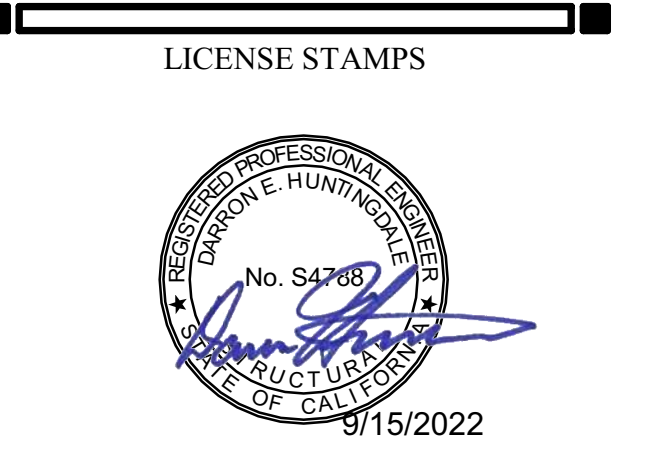


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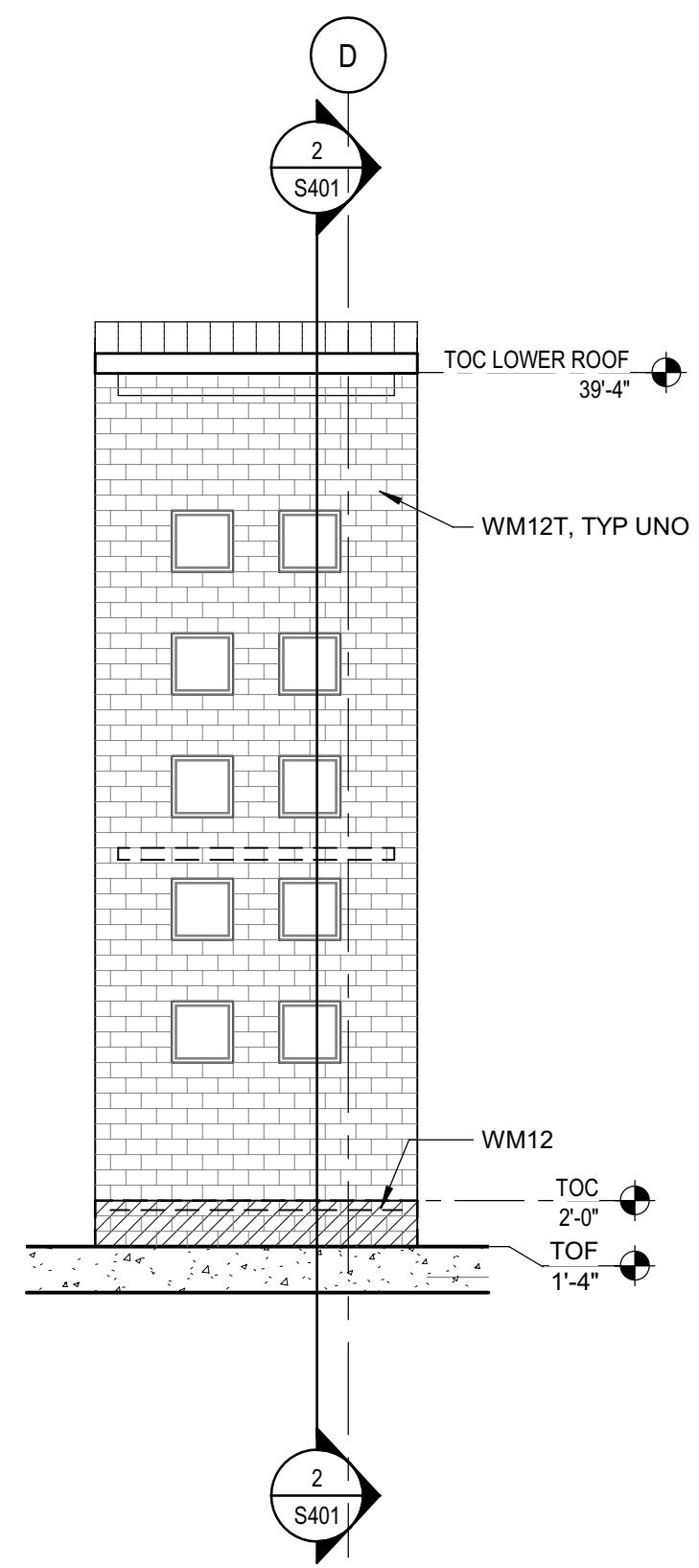
SHEET TITLE  
**ELEVATIONS -  
EXTERIOR**

DRAWING STATUS  
**WORKING DRAWINGS**

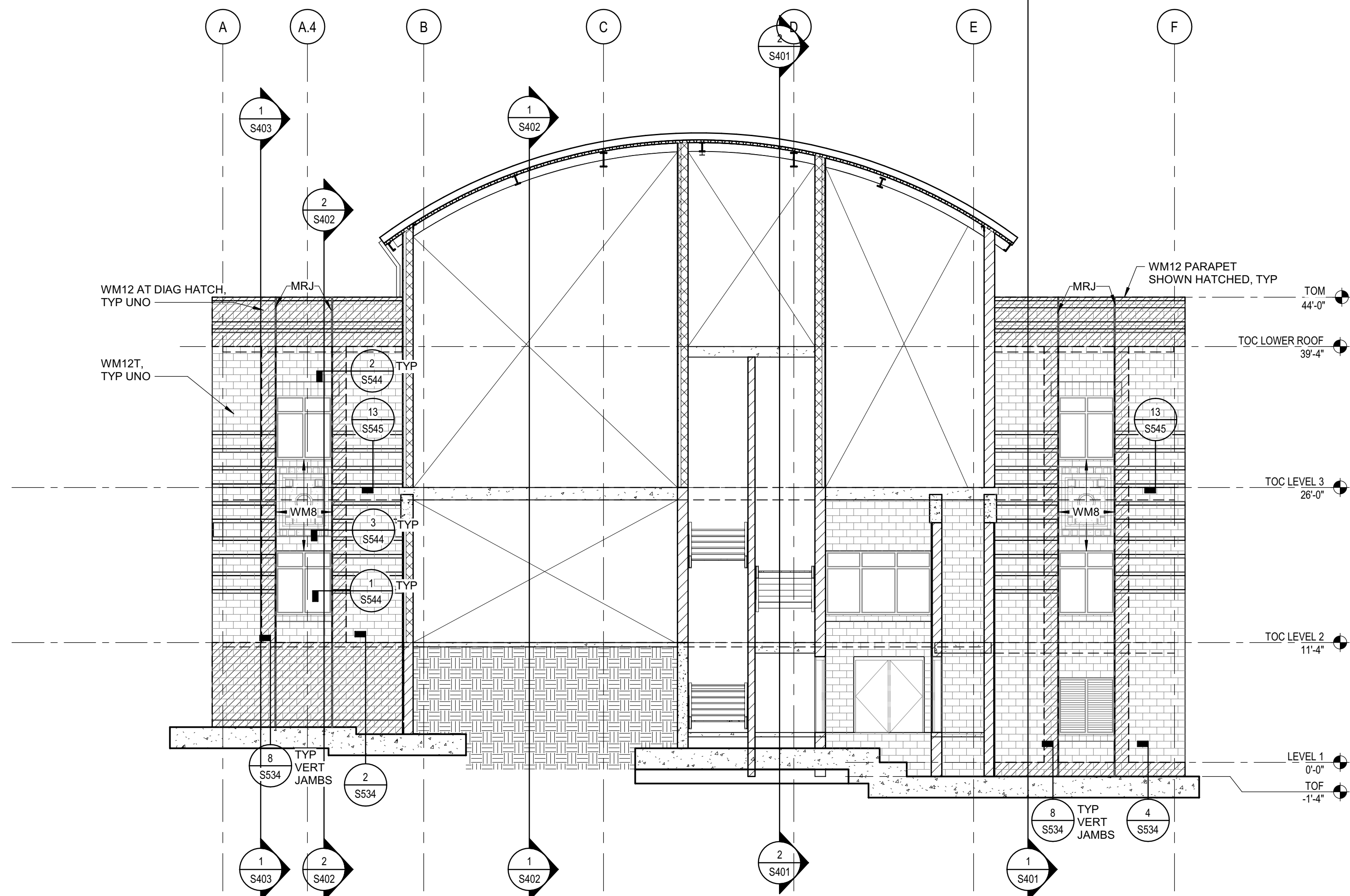
REVISIONS		
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

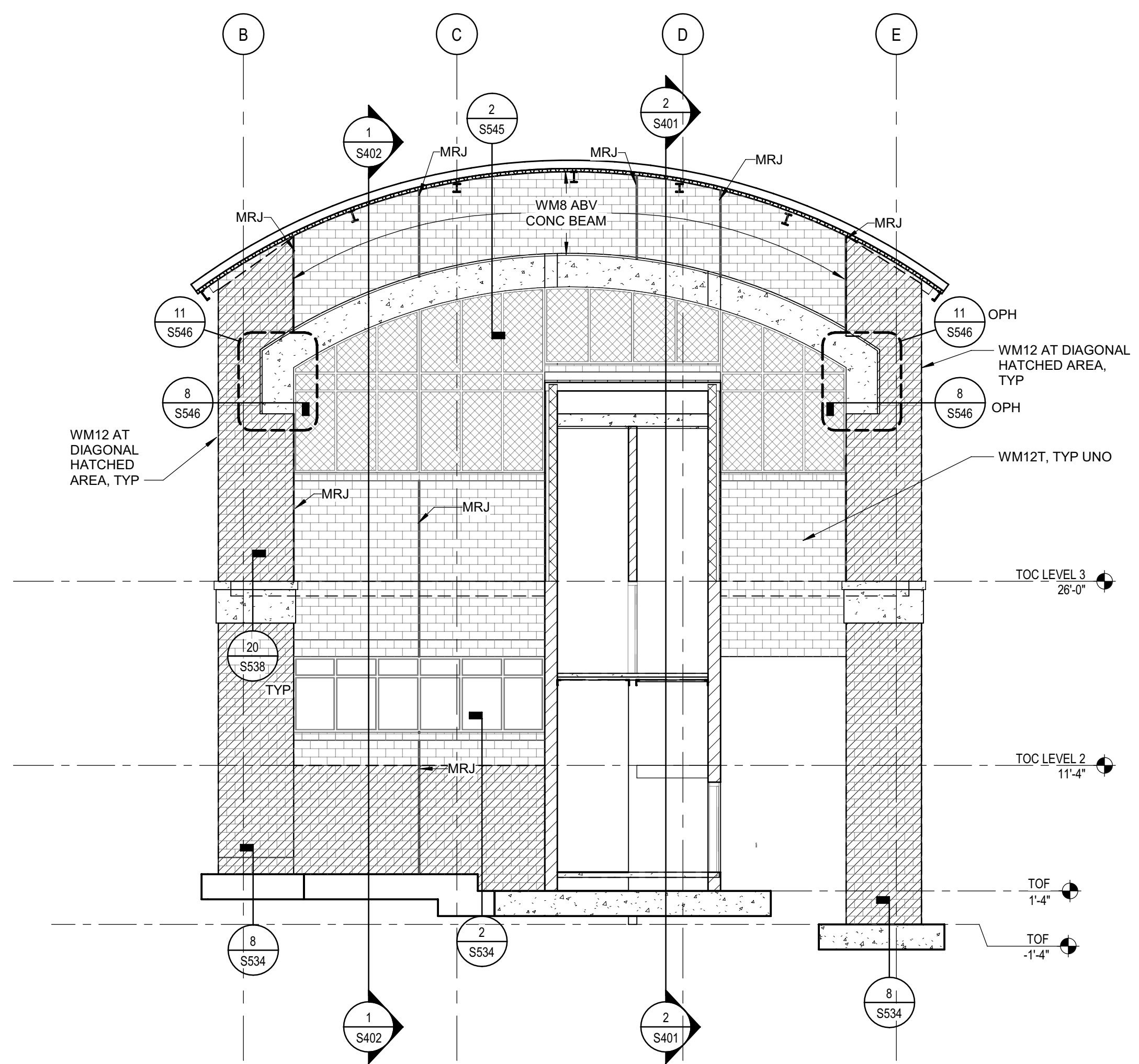
SHEET No.  
**S303 V4**



1 ELEVATION AT GRID 9.5  
1/8" = 1'-0"



3 ELEVATION AT GRID 8  
1/8" = 1'-0"



2 ELEVATION AT GRID 9  
1/8" = 1'-0"



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EUREKA, CA 95501

SHEET TITLE  
**ELEVATIONS -  
EXTERIOR**

DRAWING STATUS  
**WORKING DRAWINGS**

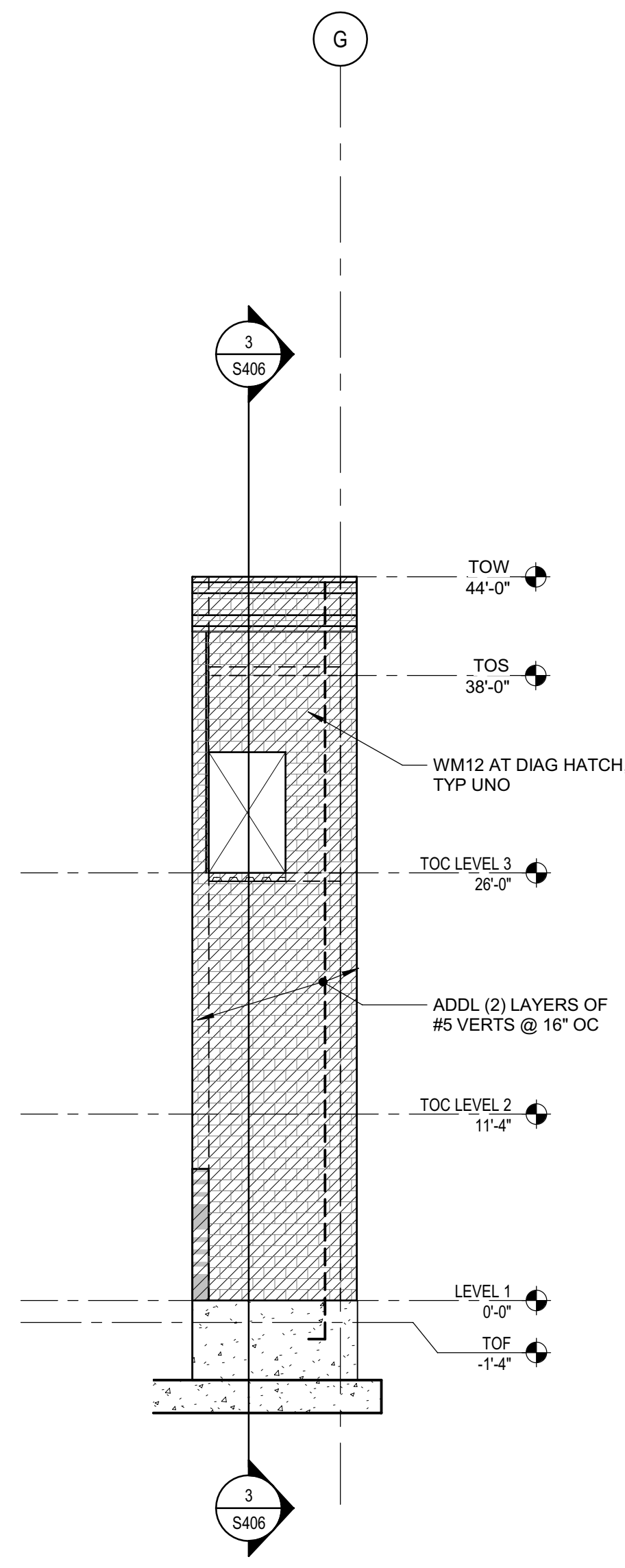
REVISIONS

Sym.	Description	Date

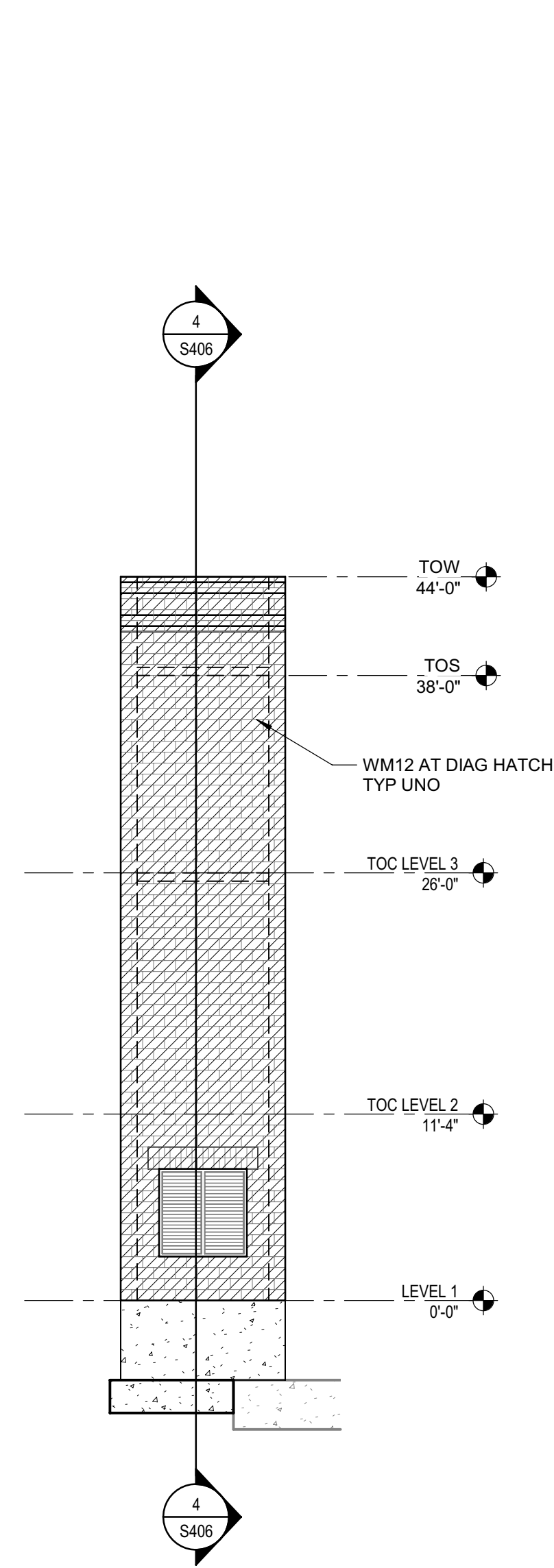
Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

SHEET No.  
**S304 V4**

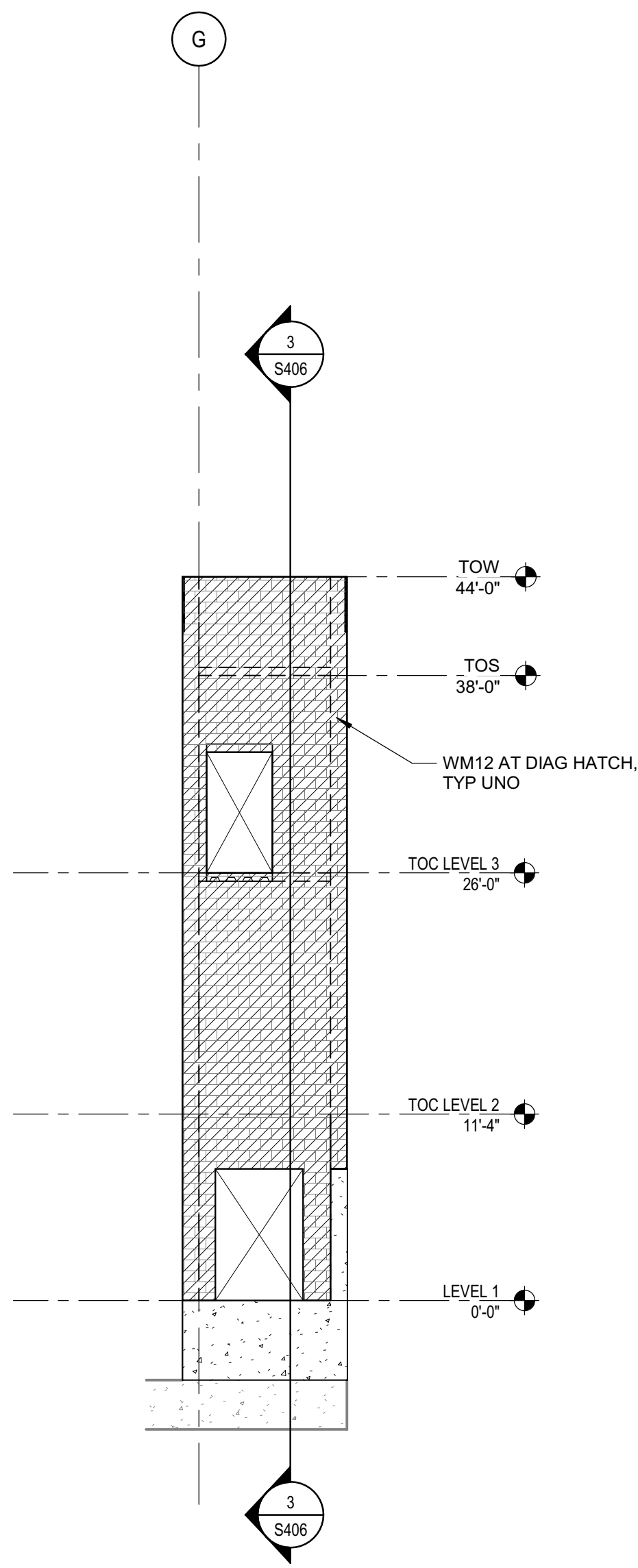
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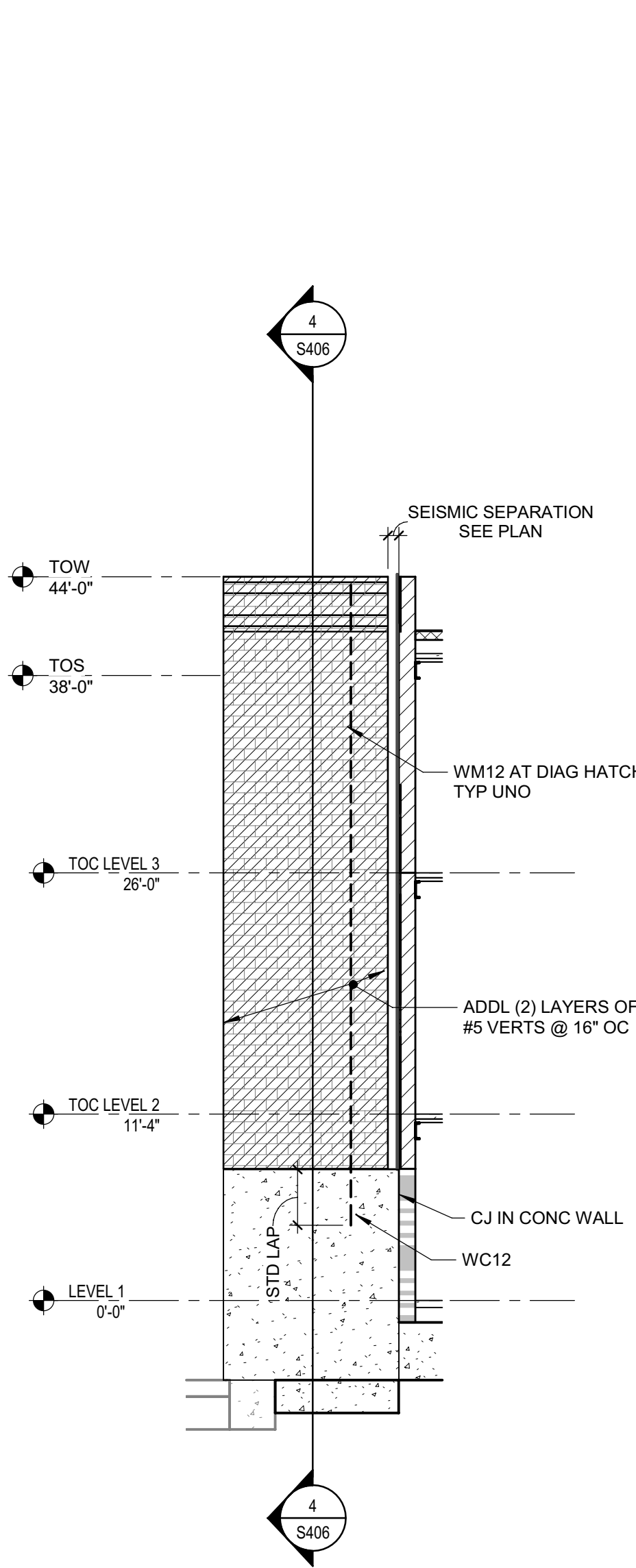
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SCALE 1/8" = 1'-0"



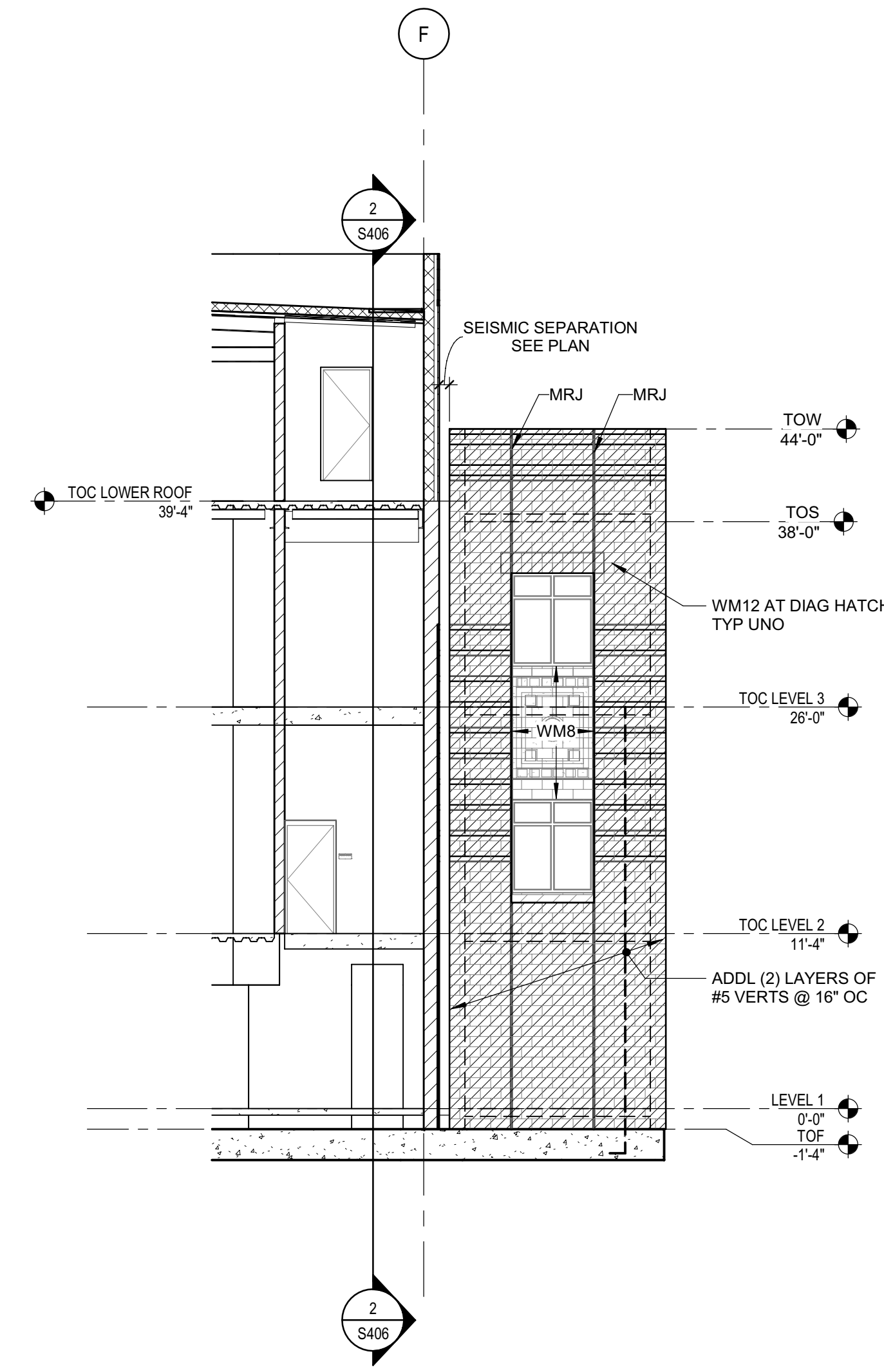
2 ELEVATION AT GRID G  
SCALE 1/8" = 1'-0"



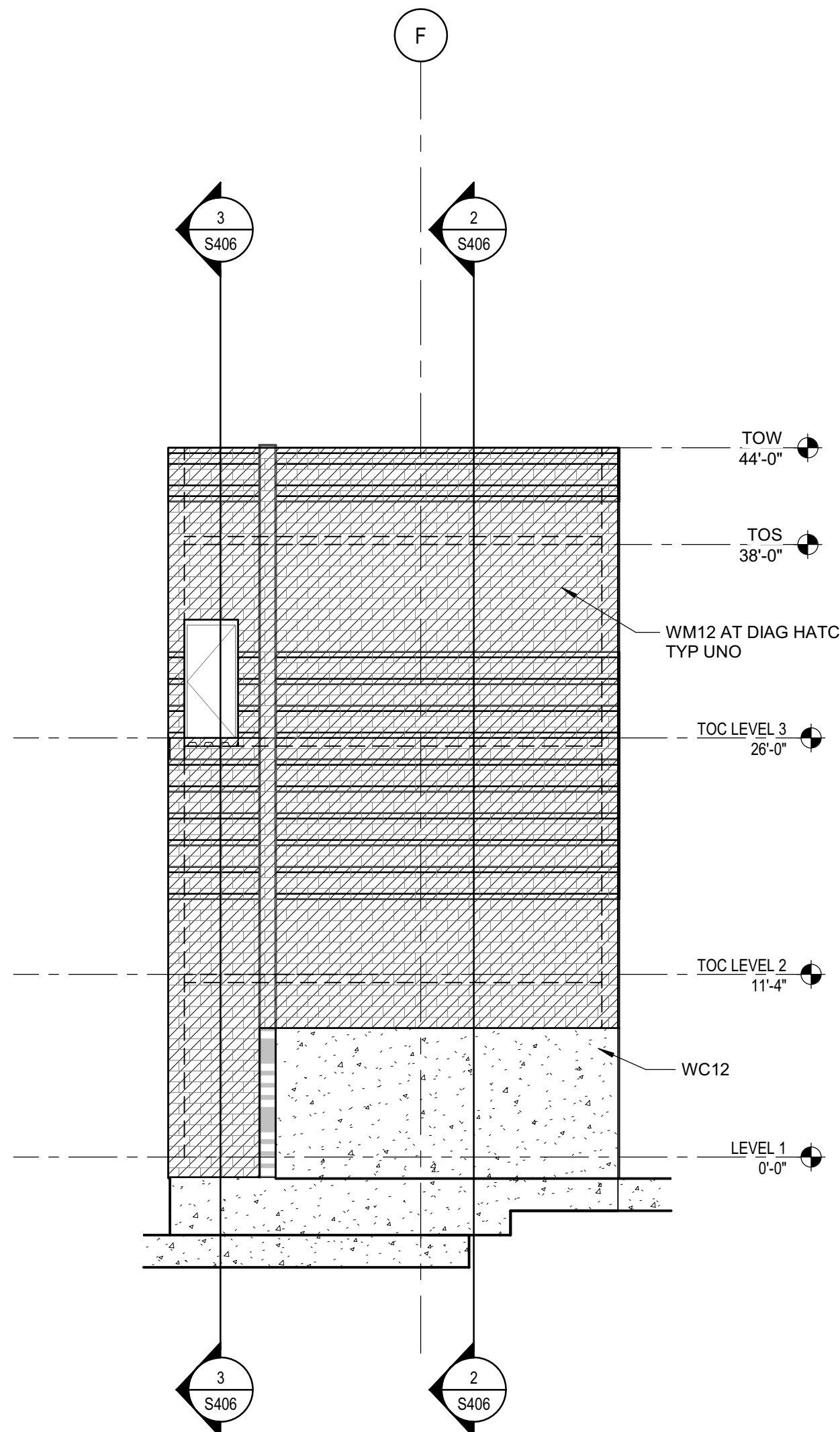
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SCALE 1/8" = 1'-0"



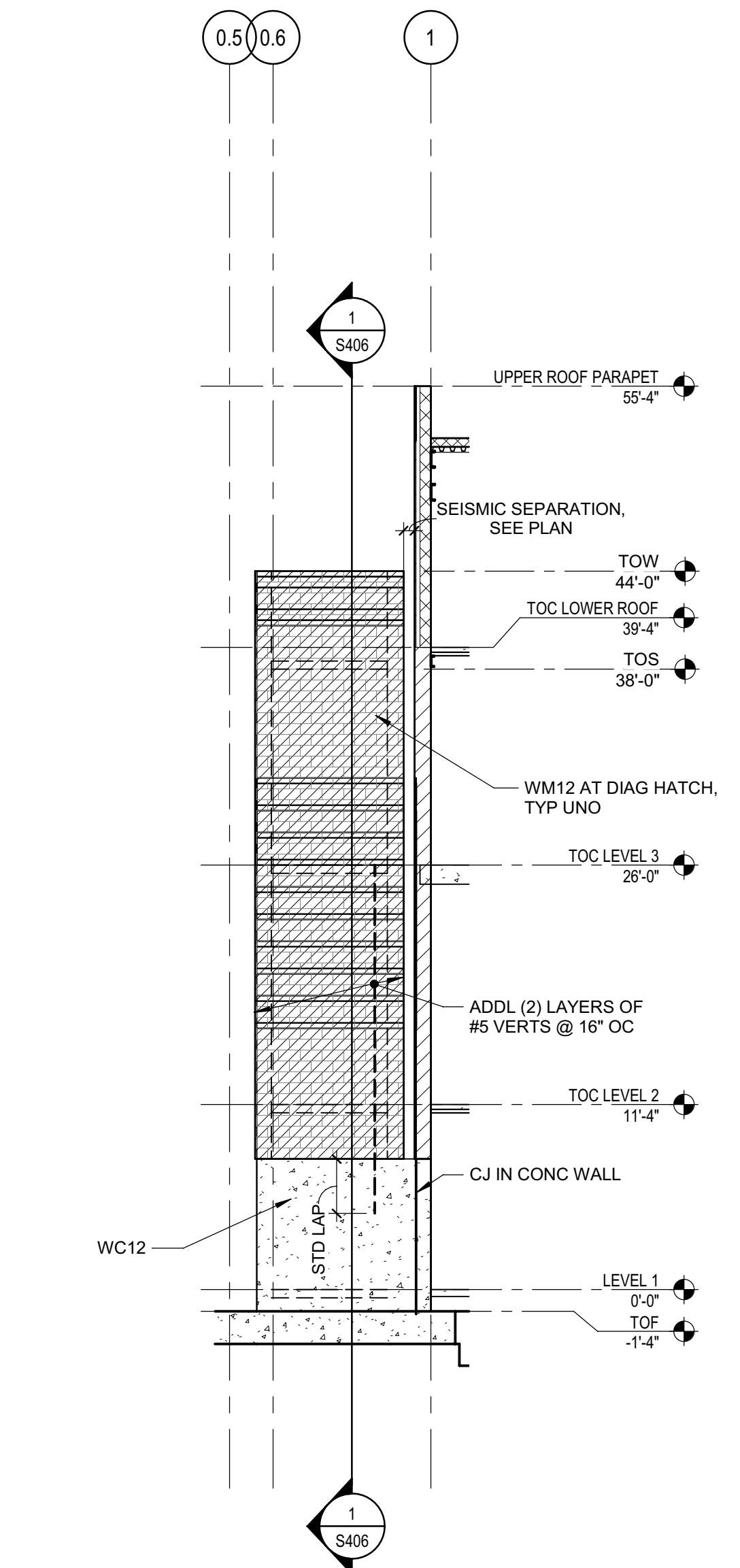
4 ELEVATION  
SCALE 1/8" = 1'-0"



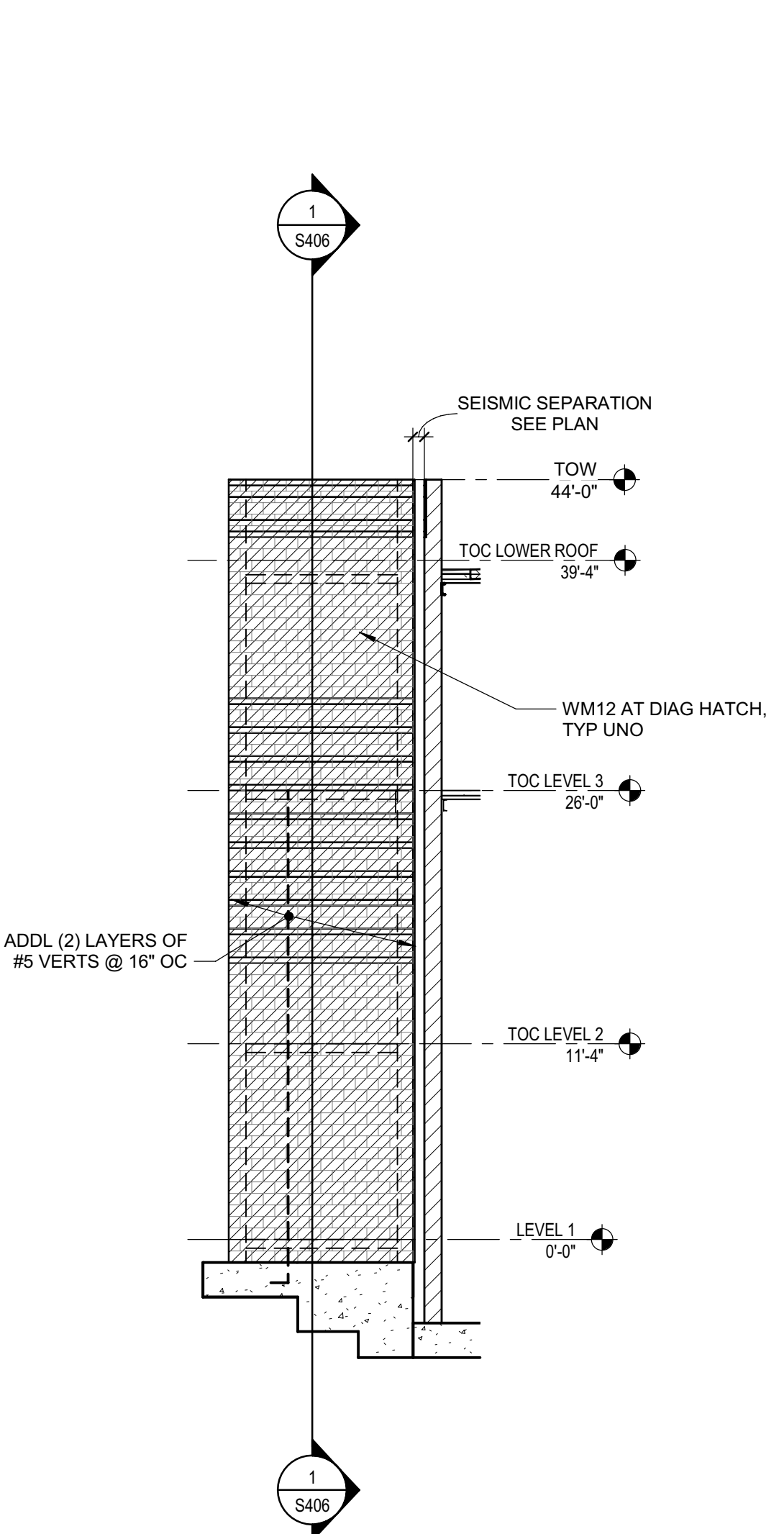
5 ELEVATION - GRID 1  
SCALE 1/8" = 1'-0"



6 ELEVATION AT GRID 0.6  
SCALE 1/8" = 1'-0"



7 ELEVATION - NEAR GRID F  
SCALE 1/8" = 1'-0"



8 ELEVATION - NEAR GRID G  
SCALE 1/8" = 1'-0"



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SHEET TITLE  
**ELEVATIONS -  
EXTERIOR**

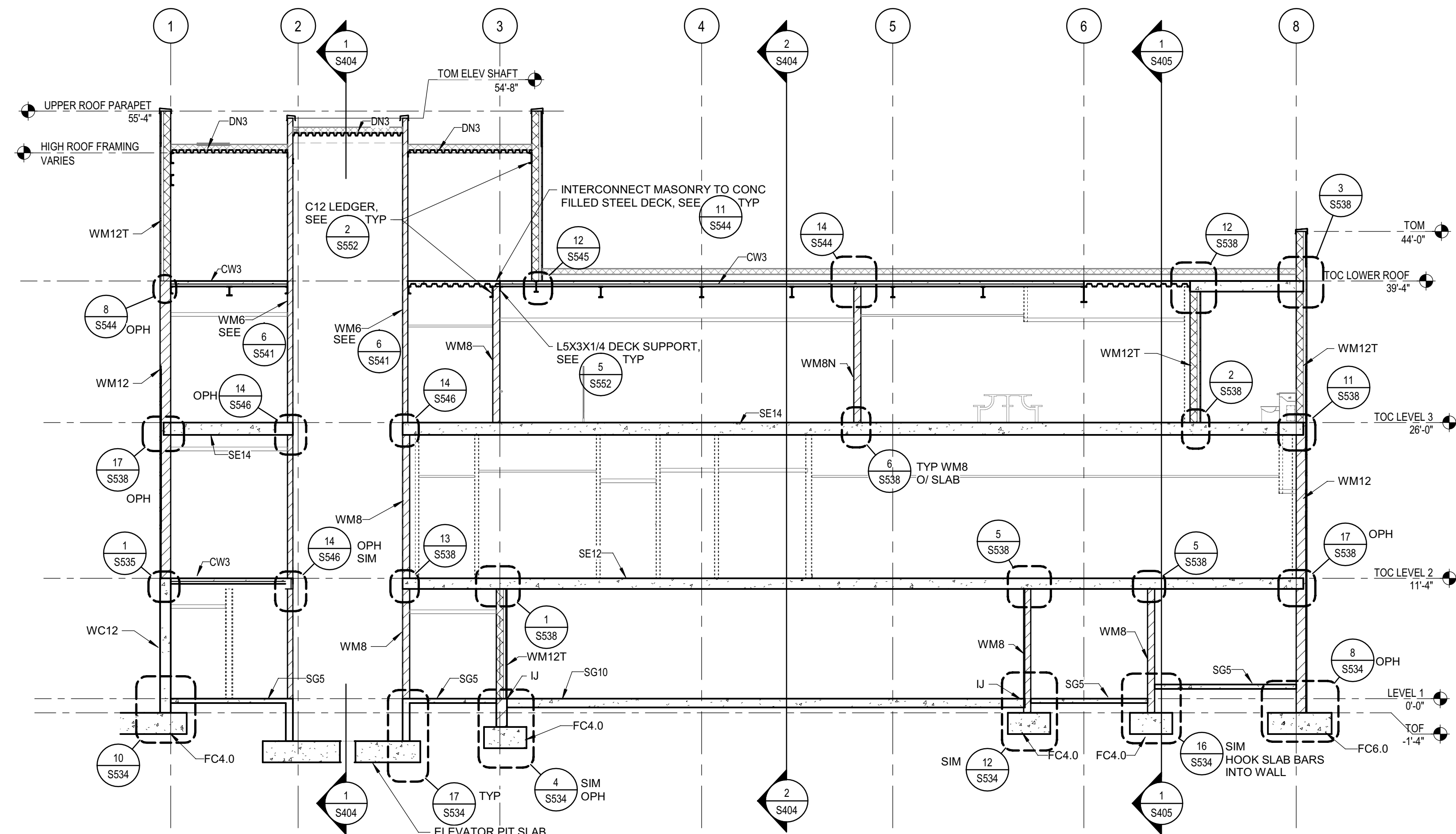
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

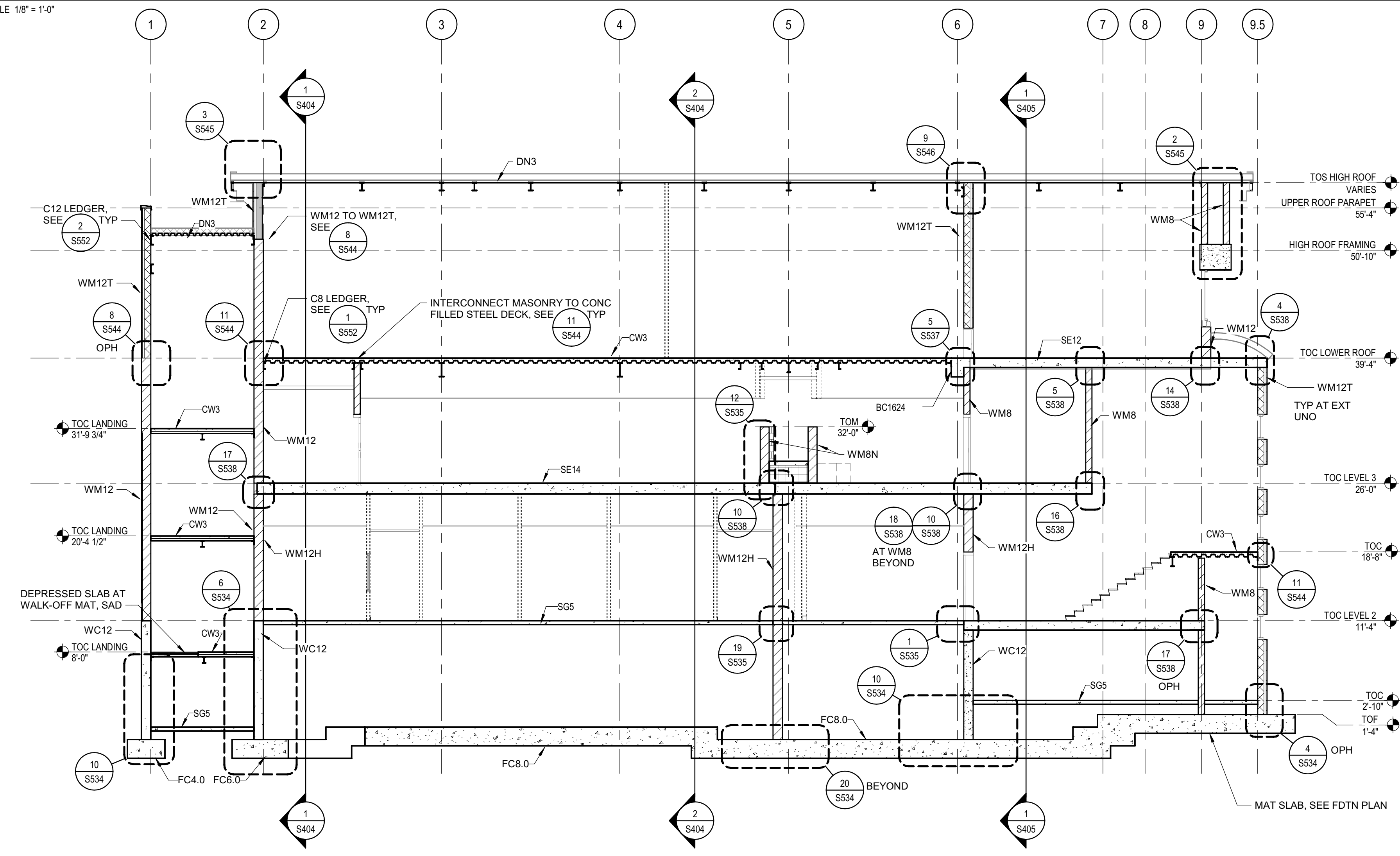
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

SHEET No.  
**S305 V3**



1 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



2 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



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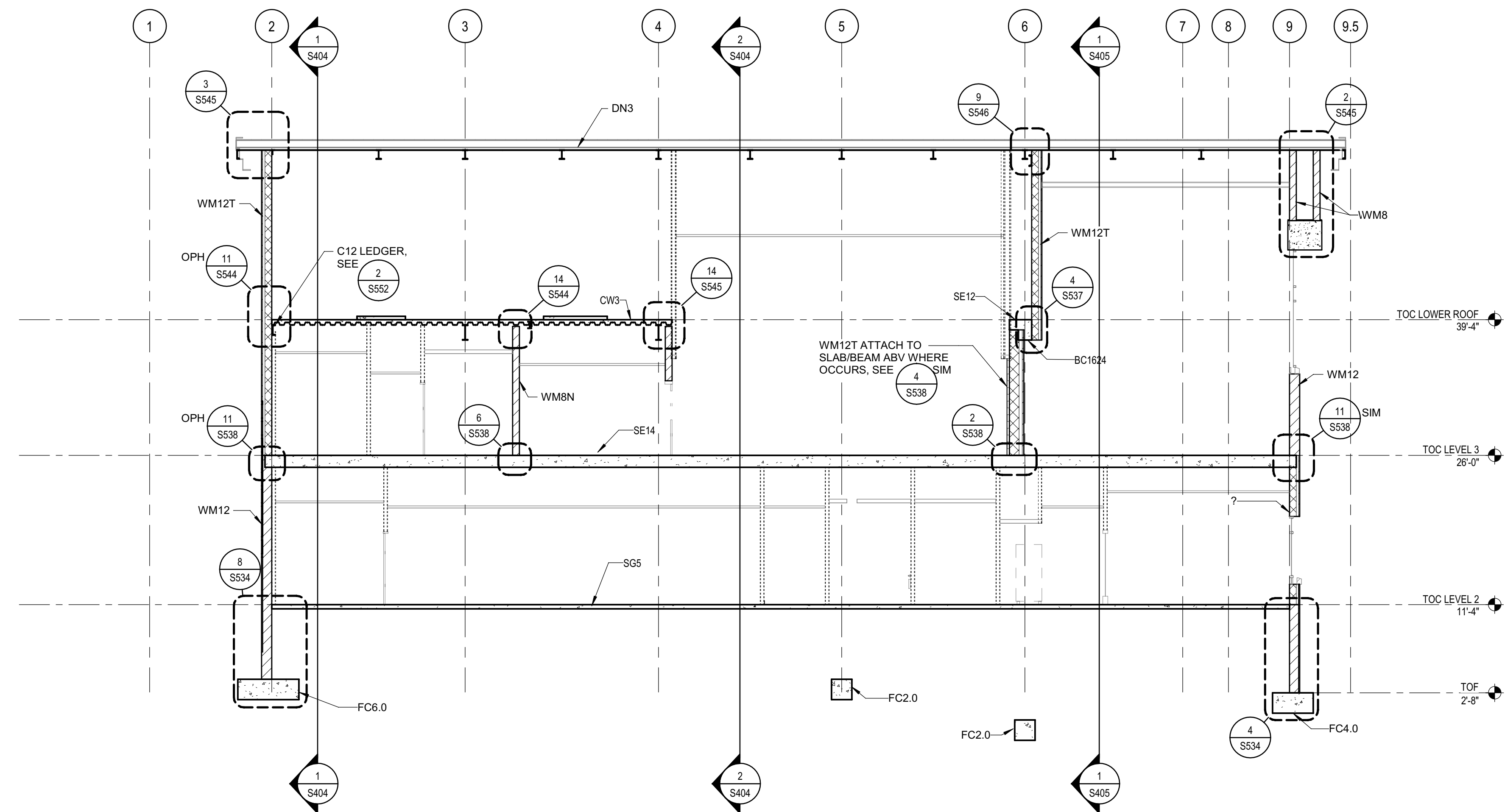
SHEET TITLE  
**BUILDING SECTIONS**

DRAWING STATUS  
**WORKING DRAWINGS**

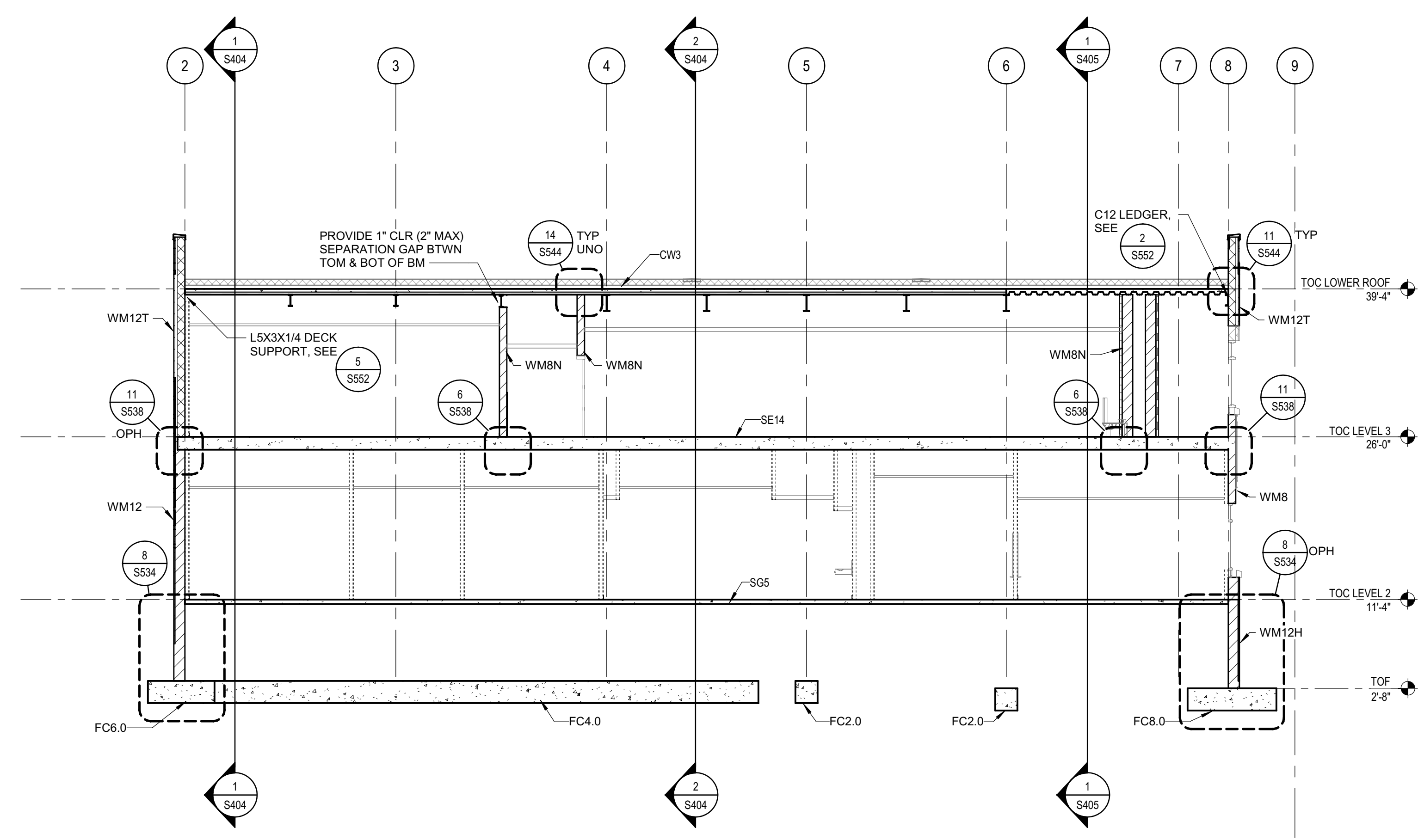
REVISIONS		
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

SHEET No.  
**S401 V4**



1 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



2 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



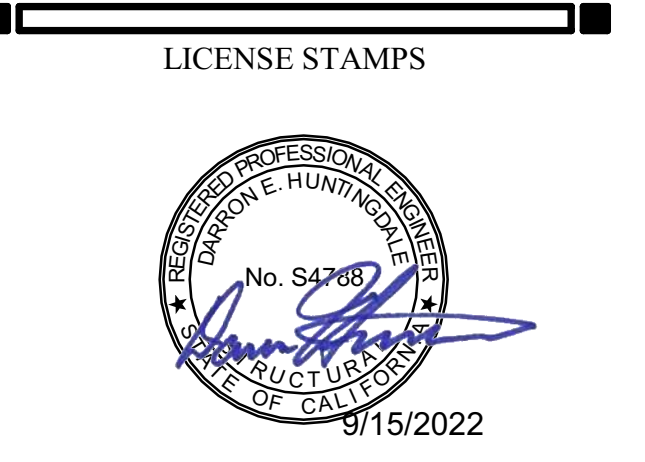
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EUREKA, CA 95501

SHEET TITLE  
**BUILDING SECTIONS**

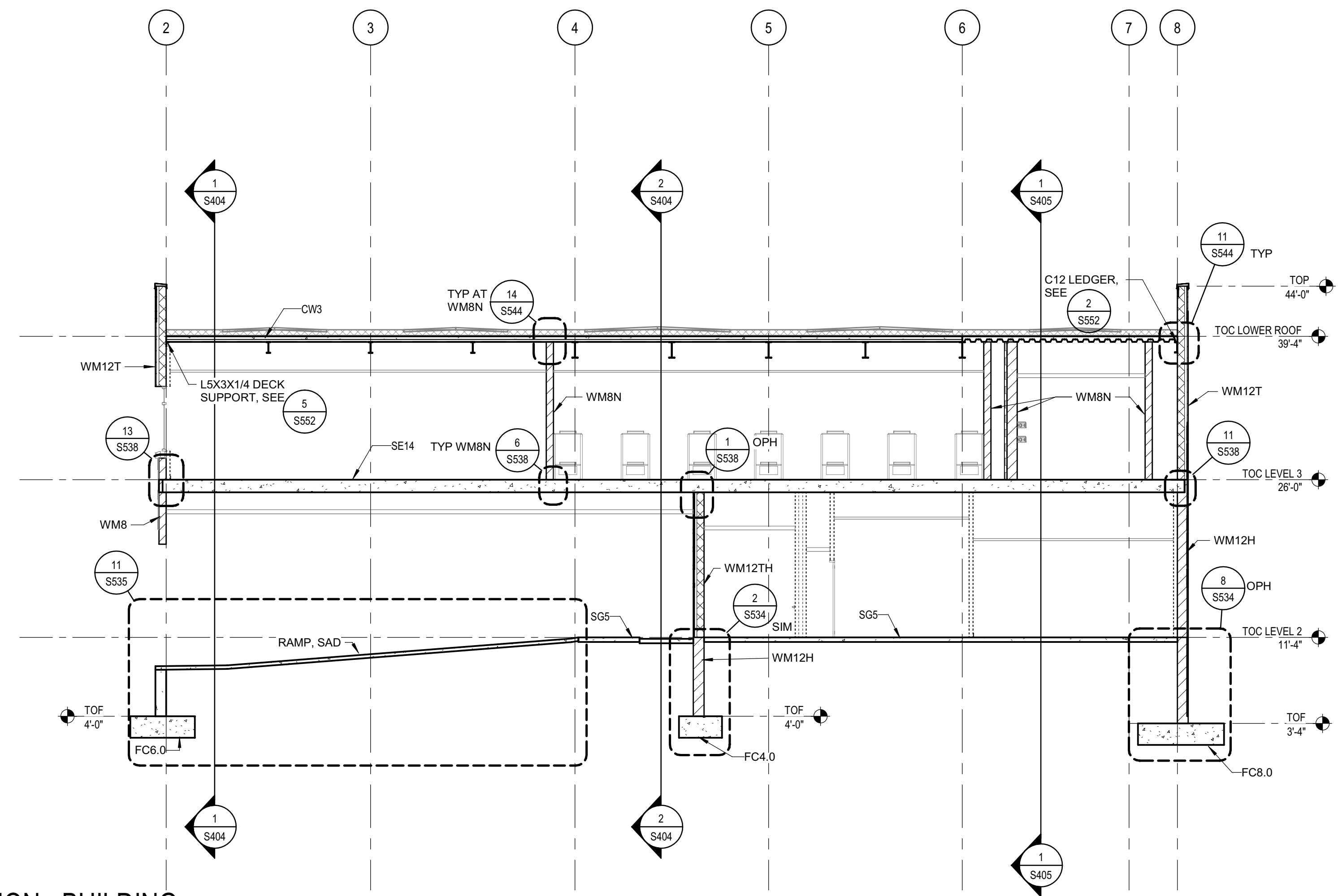
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Sym.	Description	Date

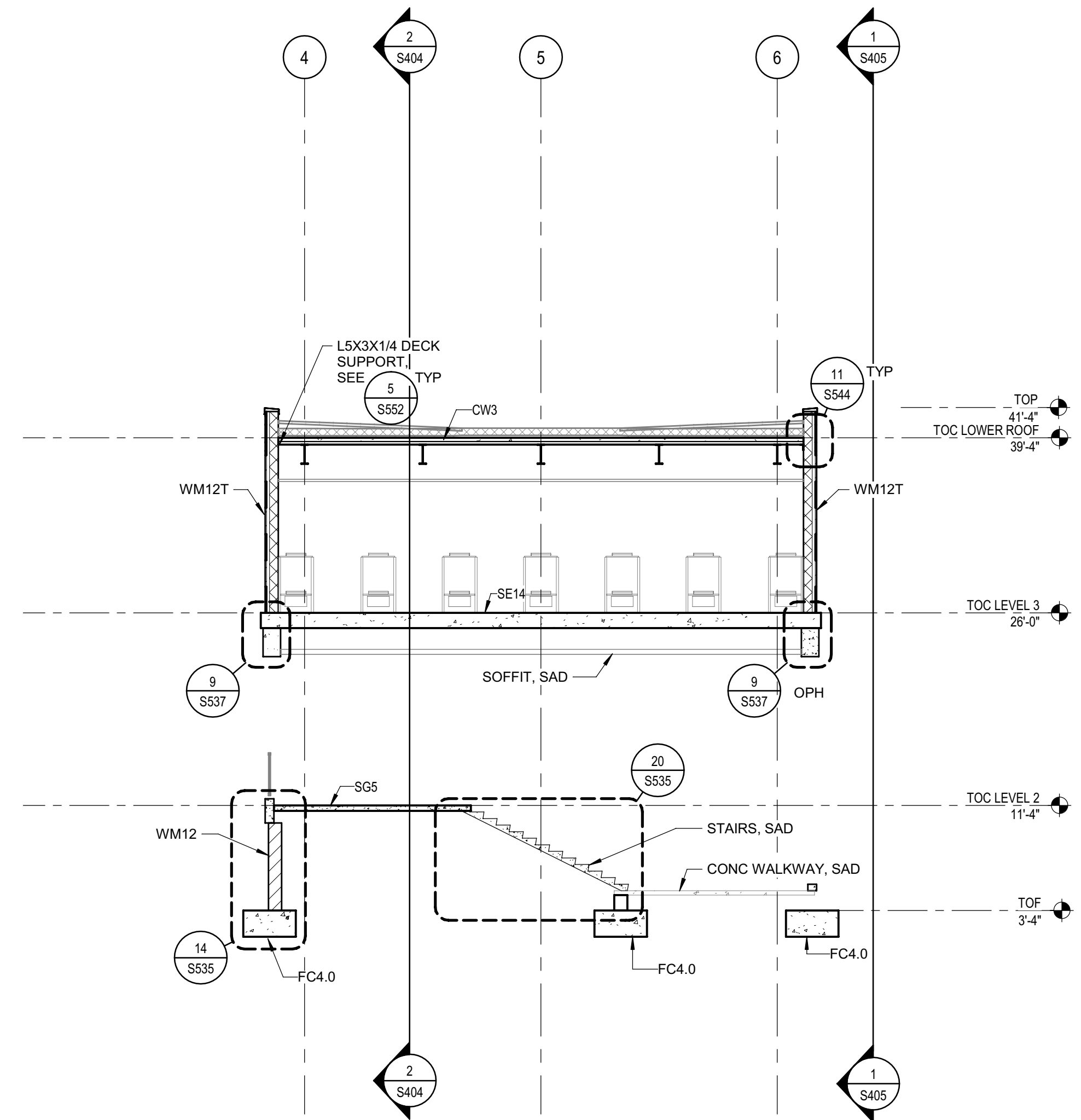
Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

SHEET No.  
**S402 V4**





1 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



2 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



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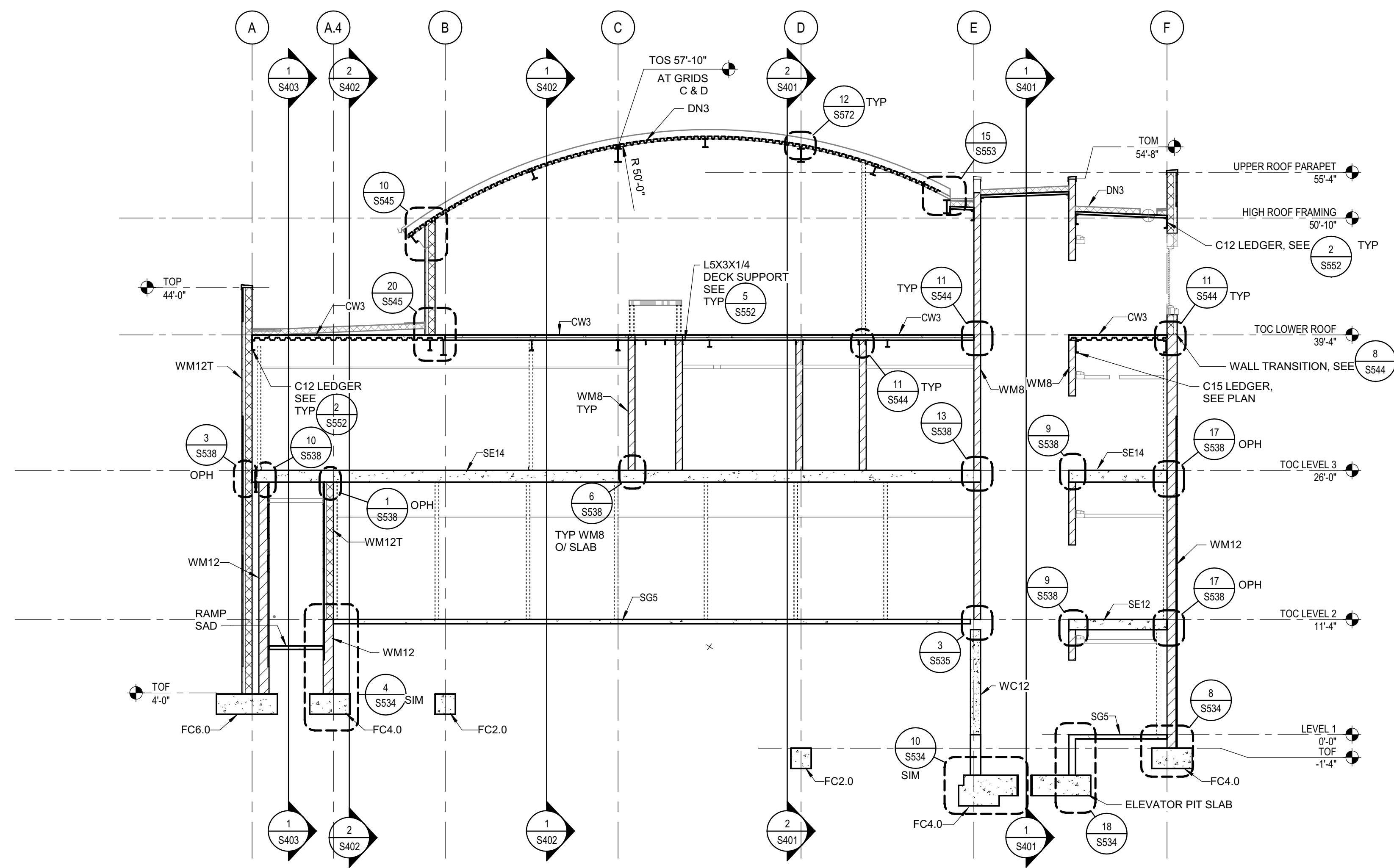
SHEET TITLE  
**BUILDING SECTIONS**

DRAWING STATUS  
**WORKING DRAWINGS**

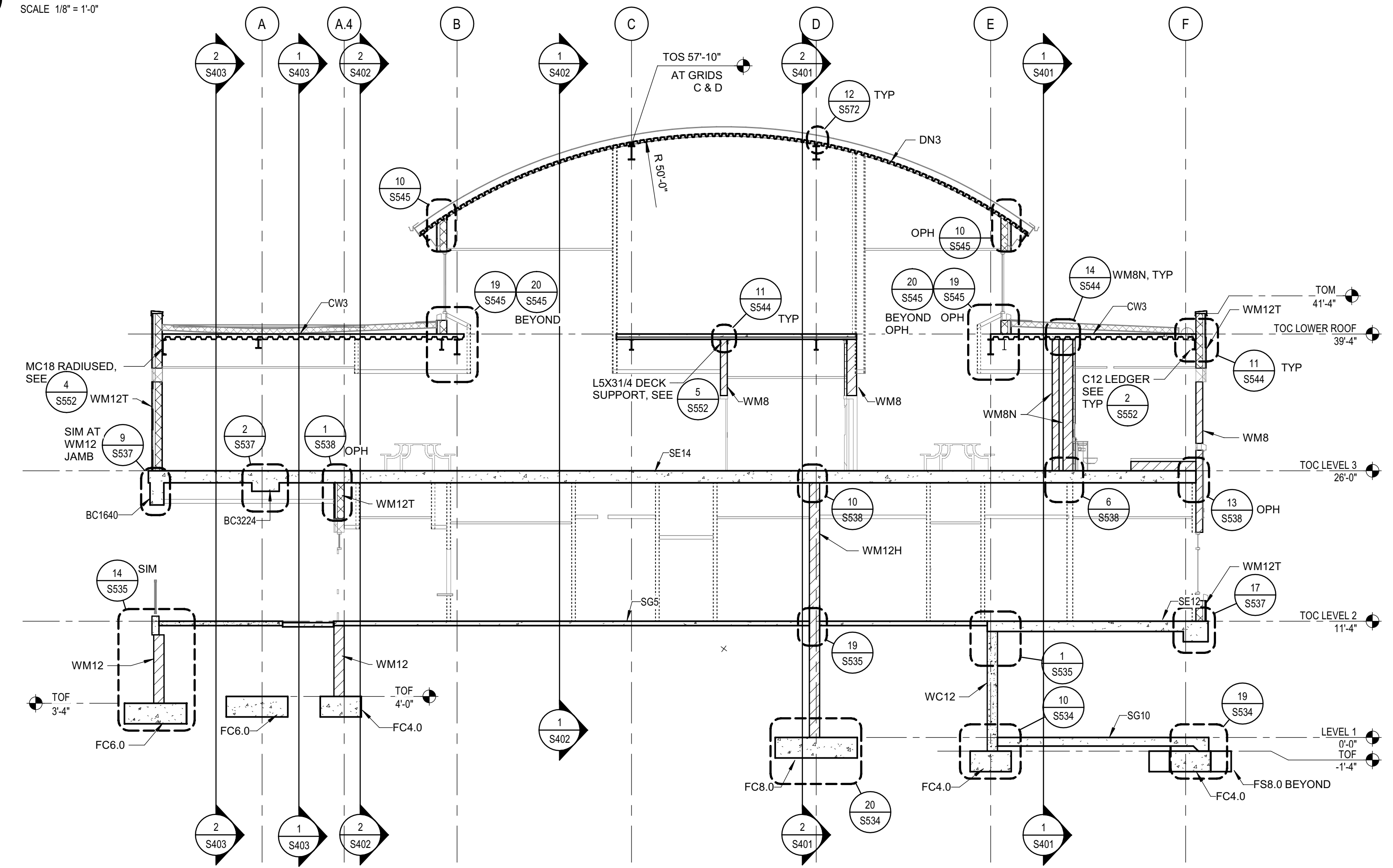
REVISIONS		
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

SHEET No.  
**S403 V4**



1 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



2 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



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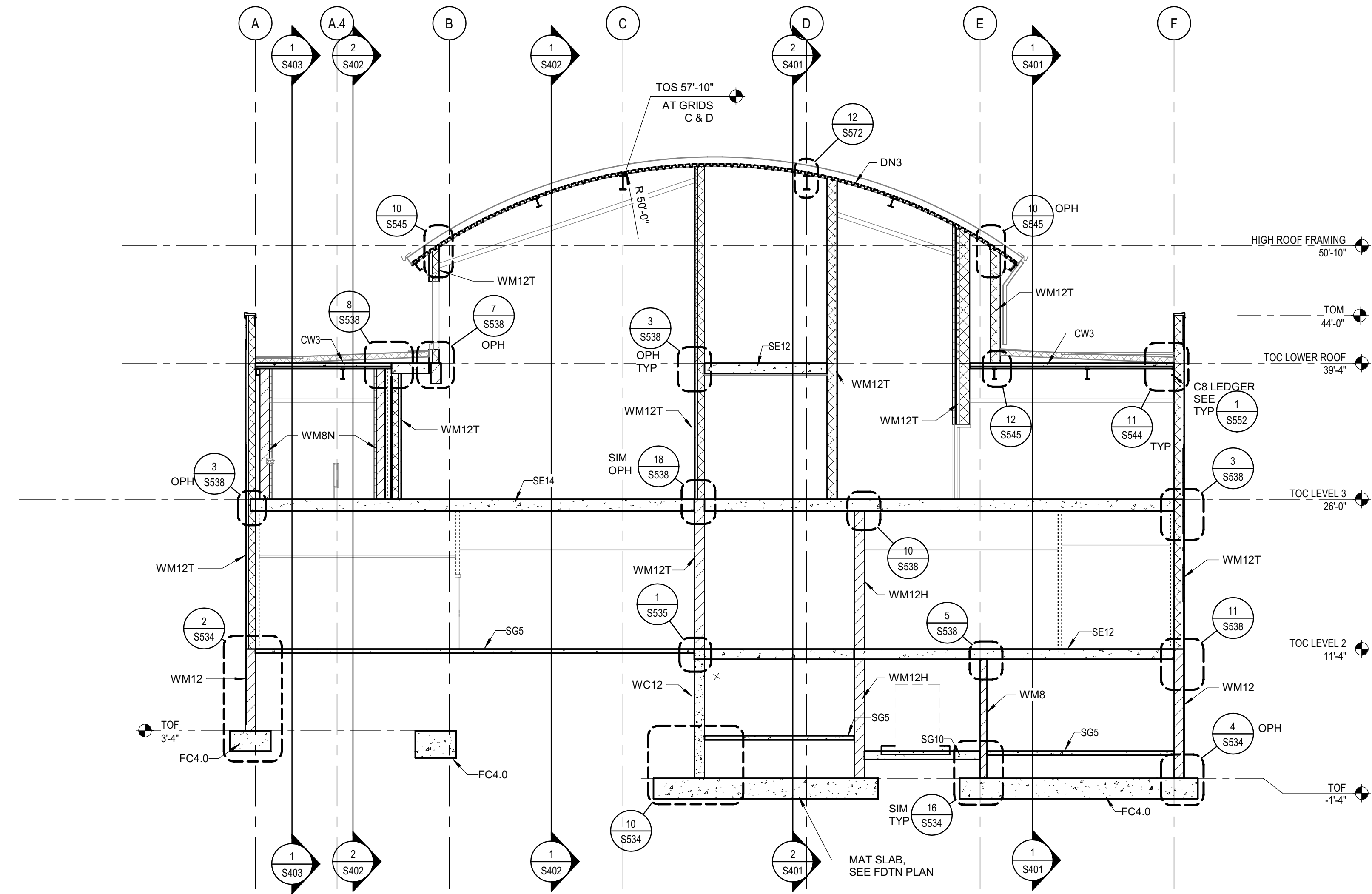
PROJECT NAME  
**HUMBOLDT COUNTY  
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RESOURCE CENTER**  
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EUREKA, CA 95501

SHEET TITLE  
BUILDING SECTIONS  
DRAWING STATUS  
WORKING DRAWINGS

Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

SHEET No.  
**S404 V4**



1 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



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SHEET TITLE  
**BUILDING SECTIONS**

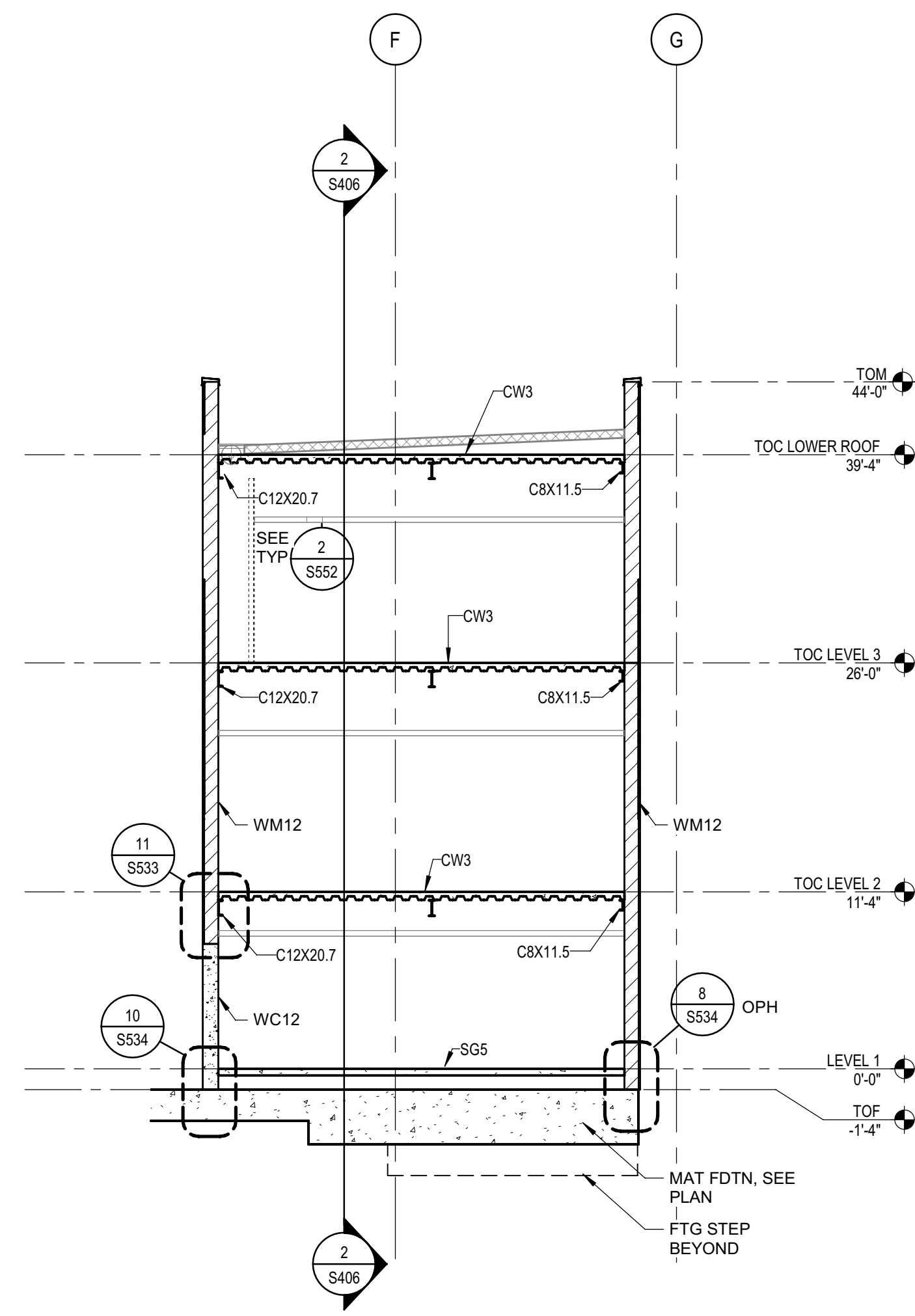
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

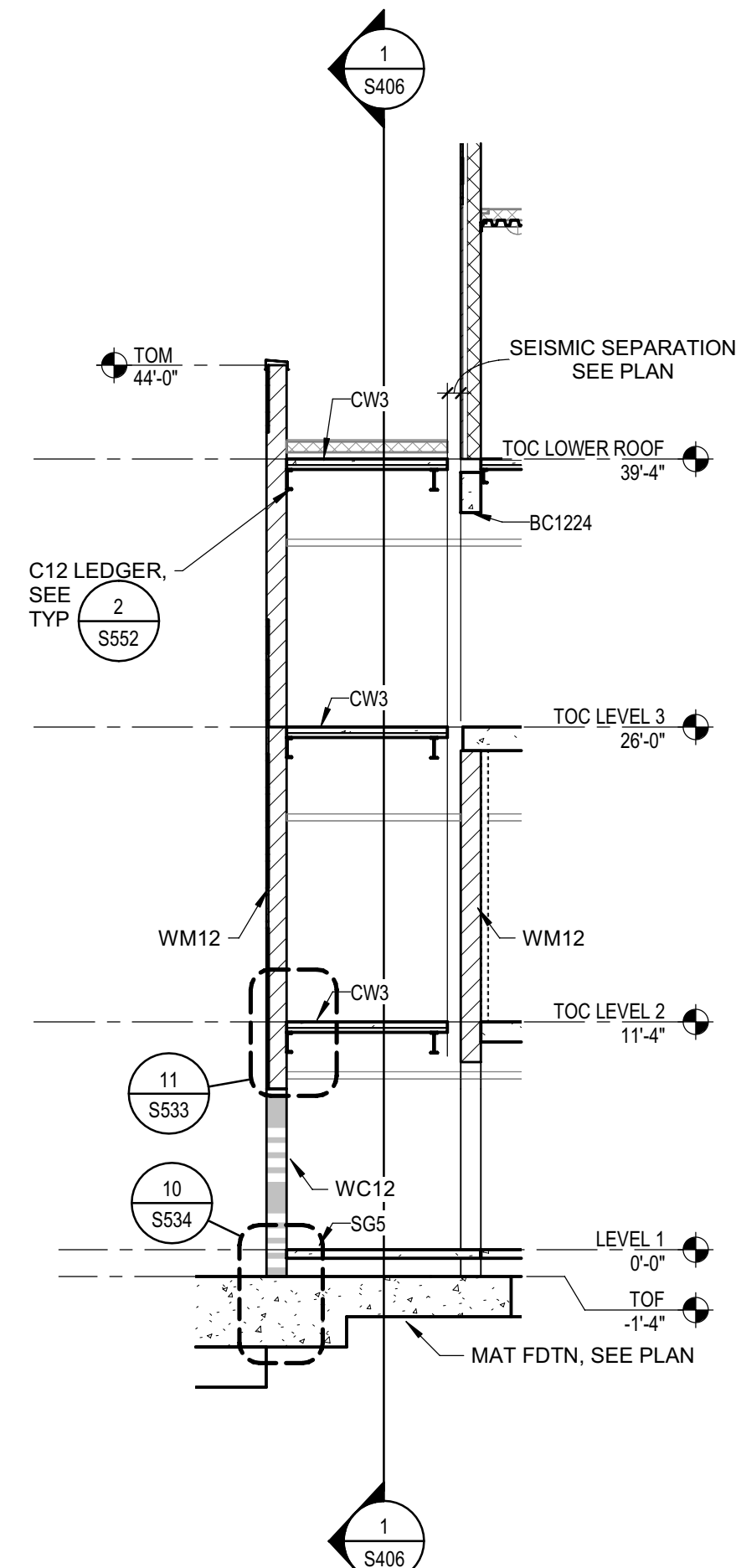
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

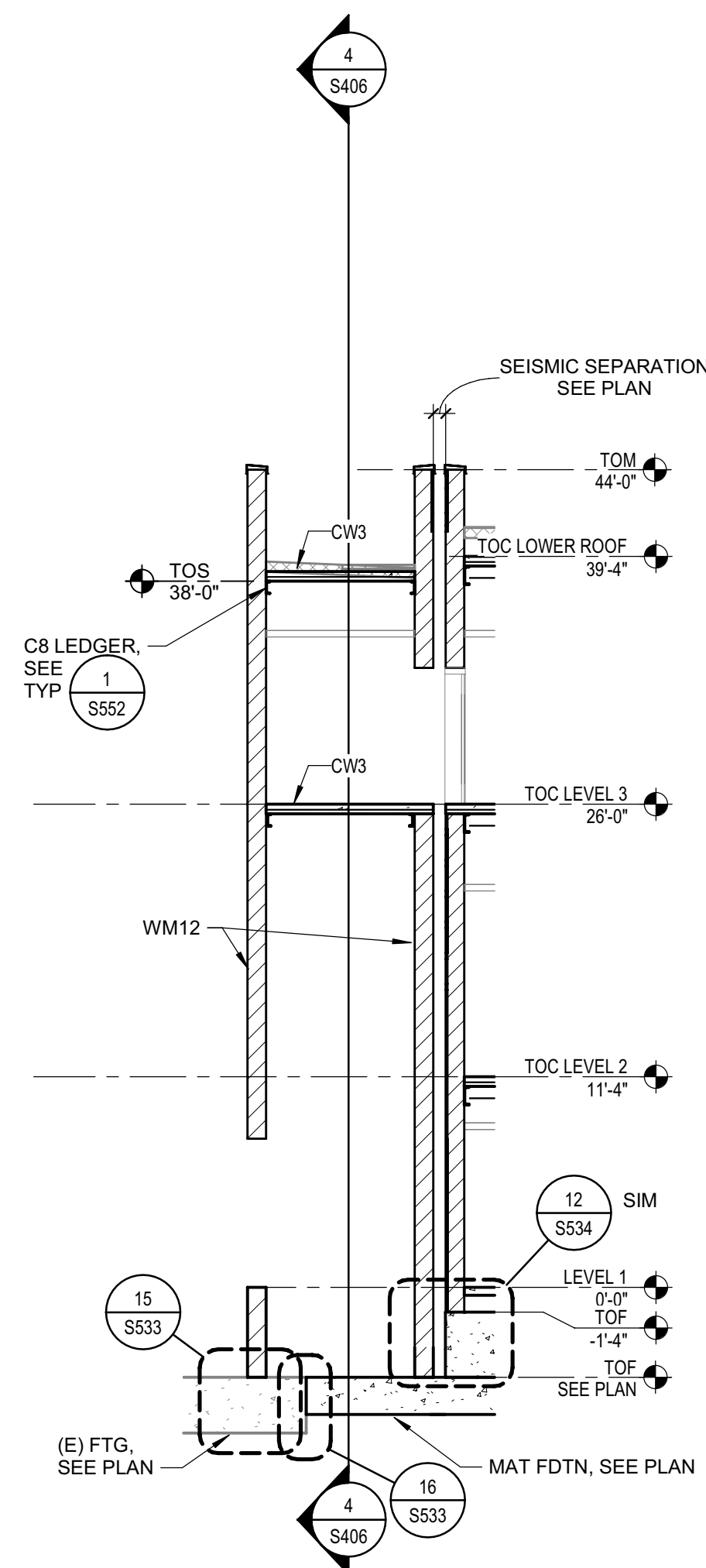
SHEET No.  
**S405 V4**



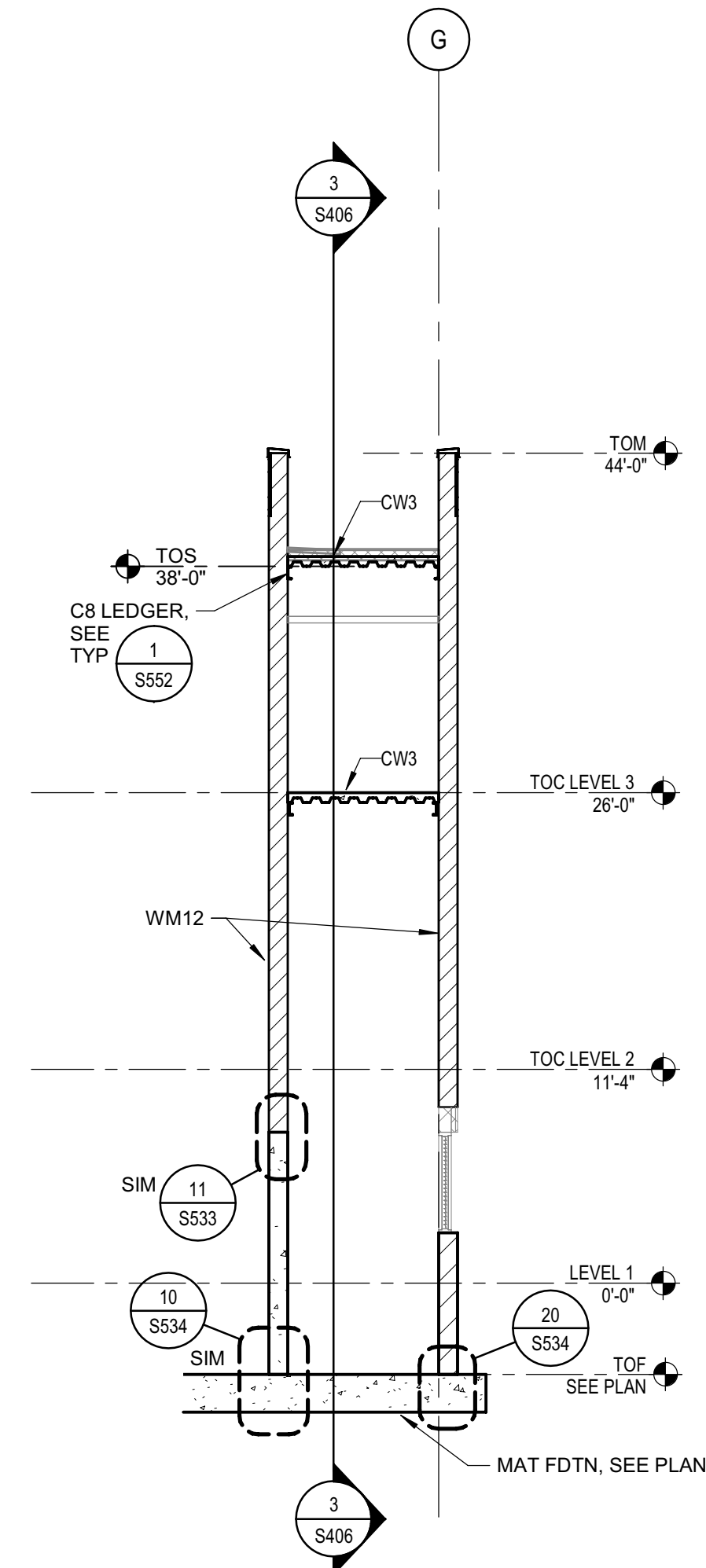
1 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



2 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



3 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



4 SECTION - BUILDING  
SCALE 1/8" = 1'-0"



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SHEET TITLE  
**BUILDING SECTIONS**

DRAWING STATUS  
**WORKING DRAWINGS**

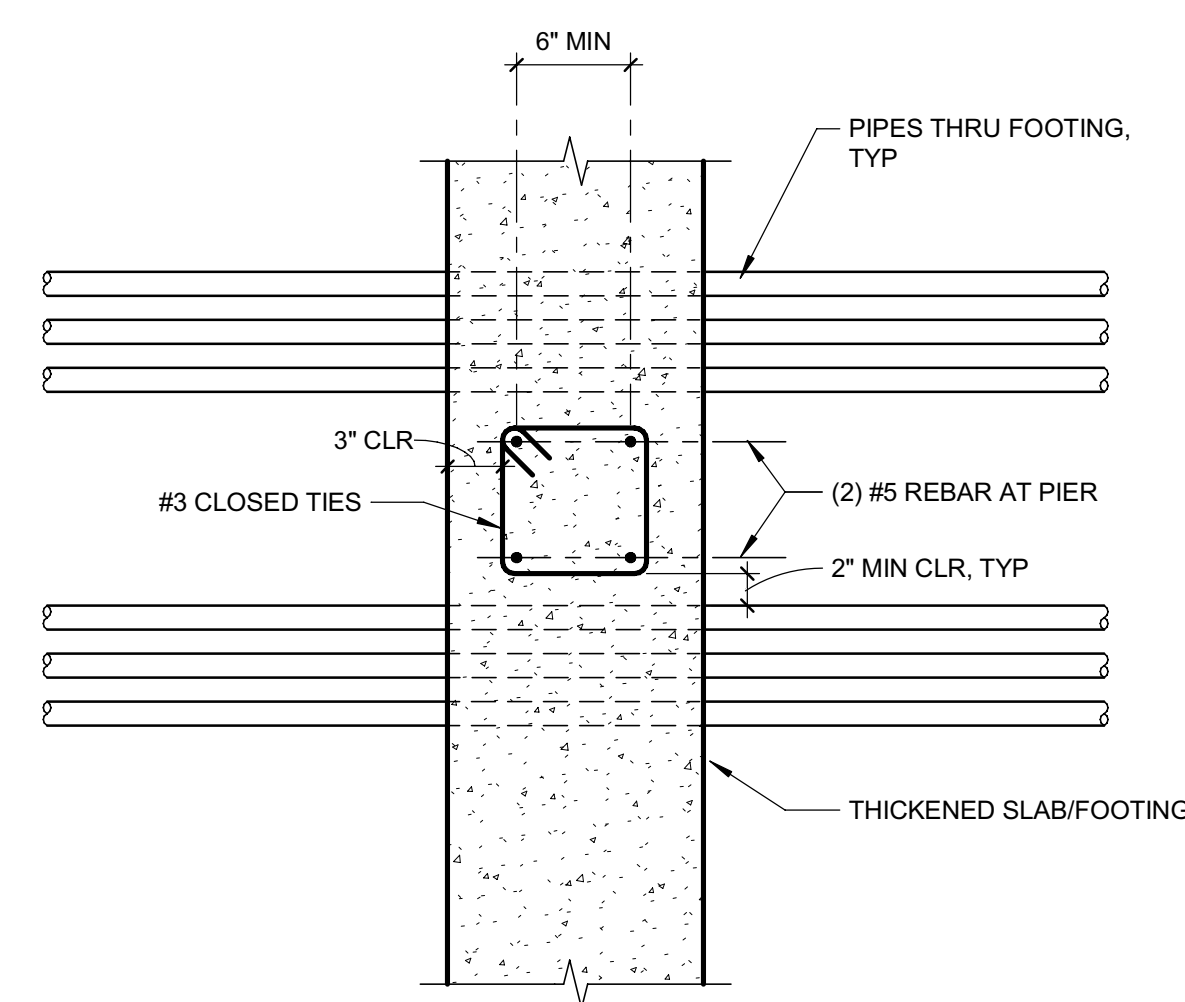
REVISIONS

Sym.	Description	Date

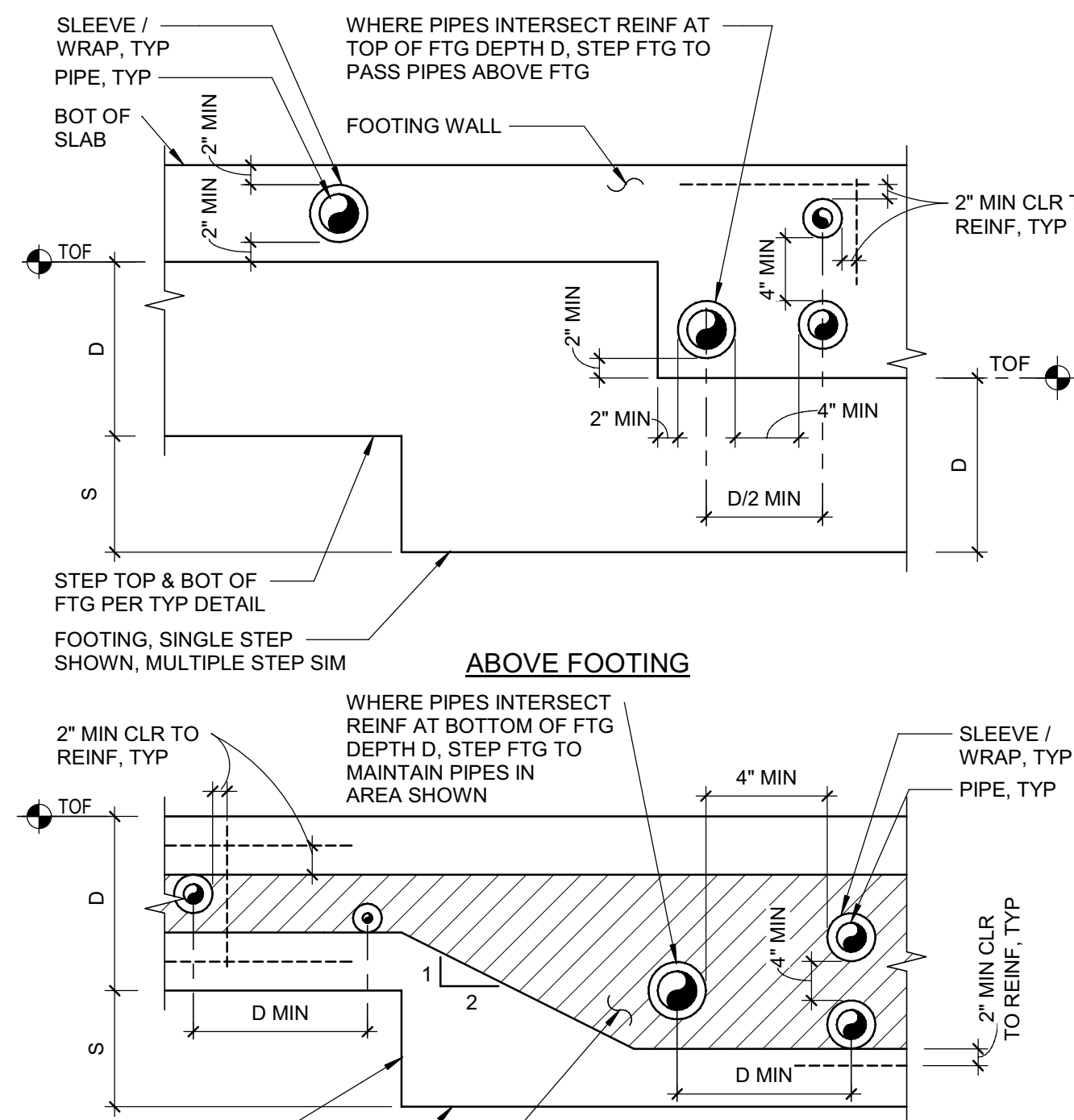
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Date Issued	07.29.2022
Scale	1/8" = 1'-0"
Project No.	016205.01

SHEET No.  
**S406 V3**

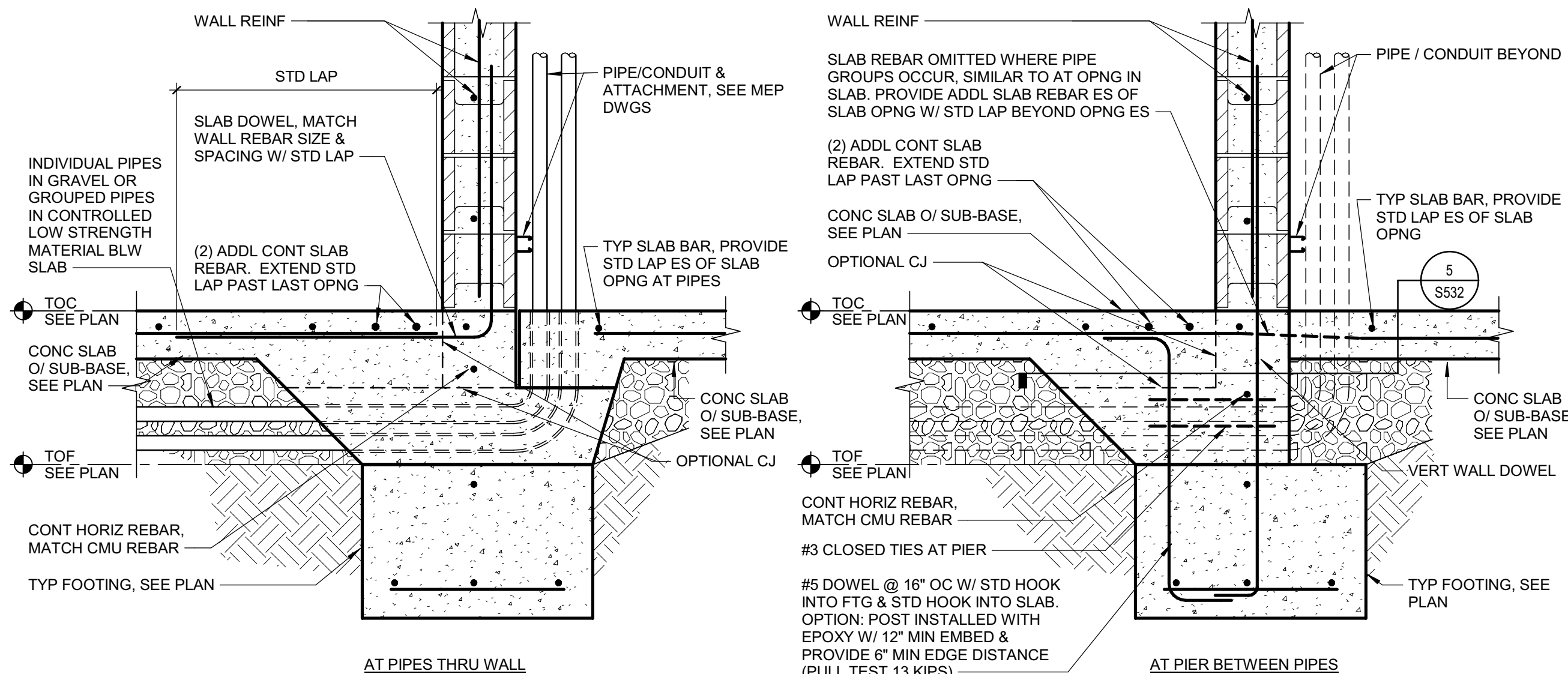




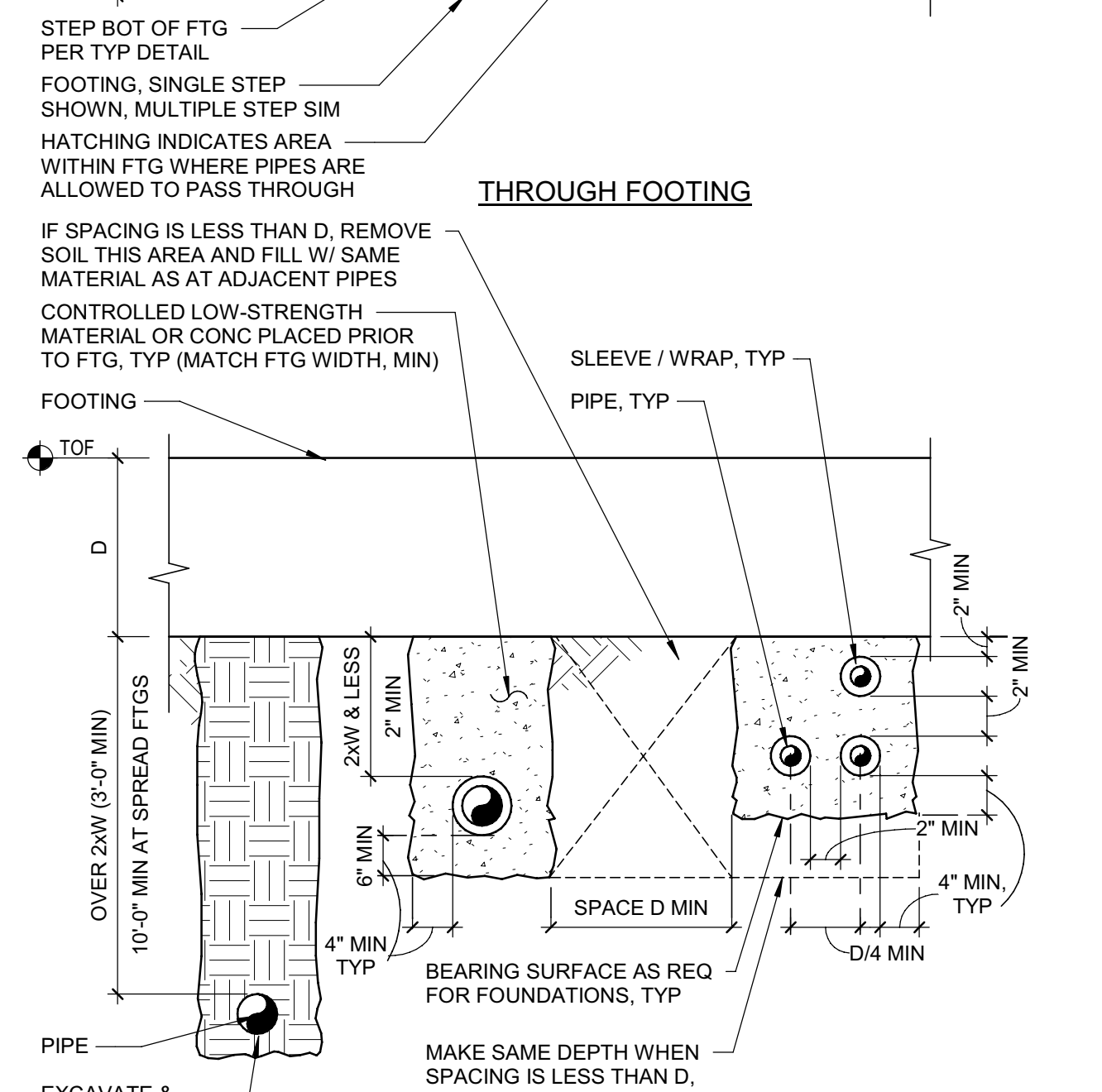
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SCALE: NTS



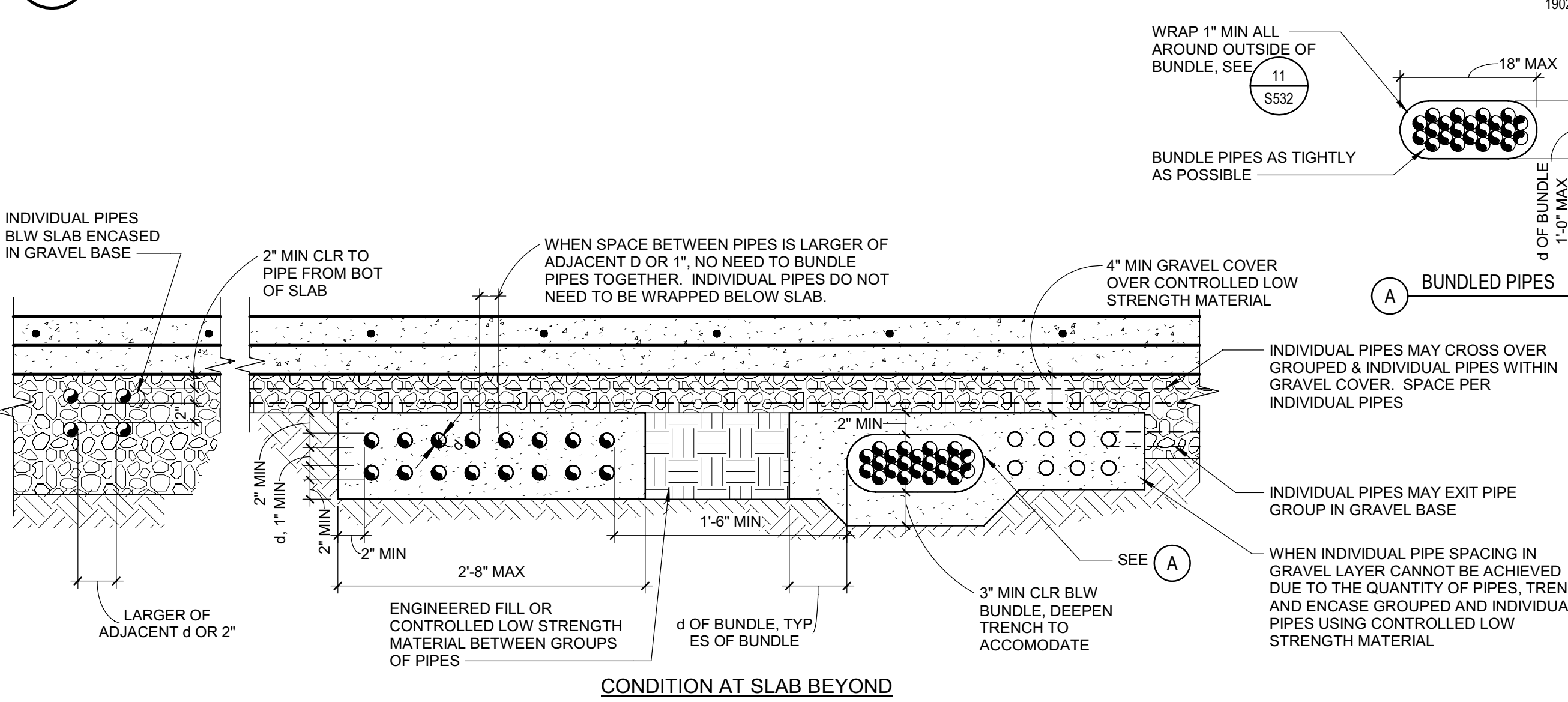
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SCALE: NTS



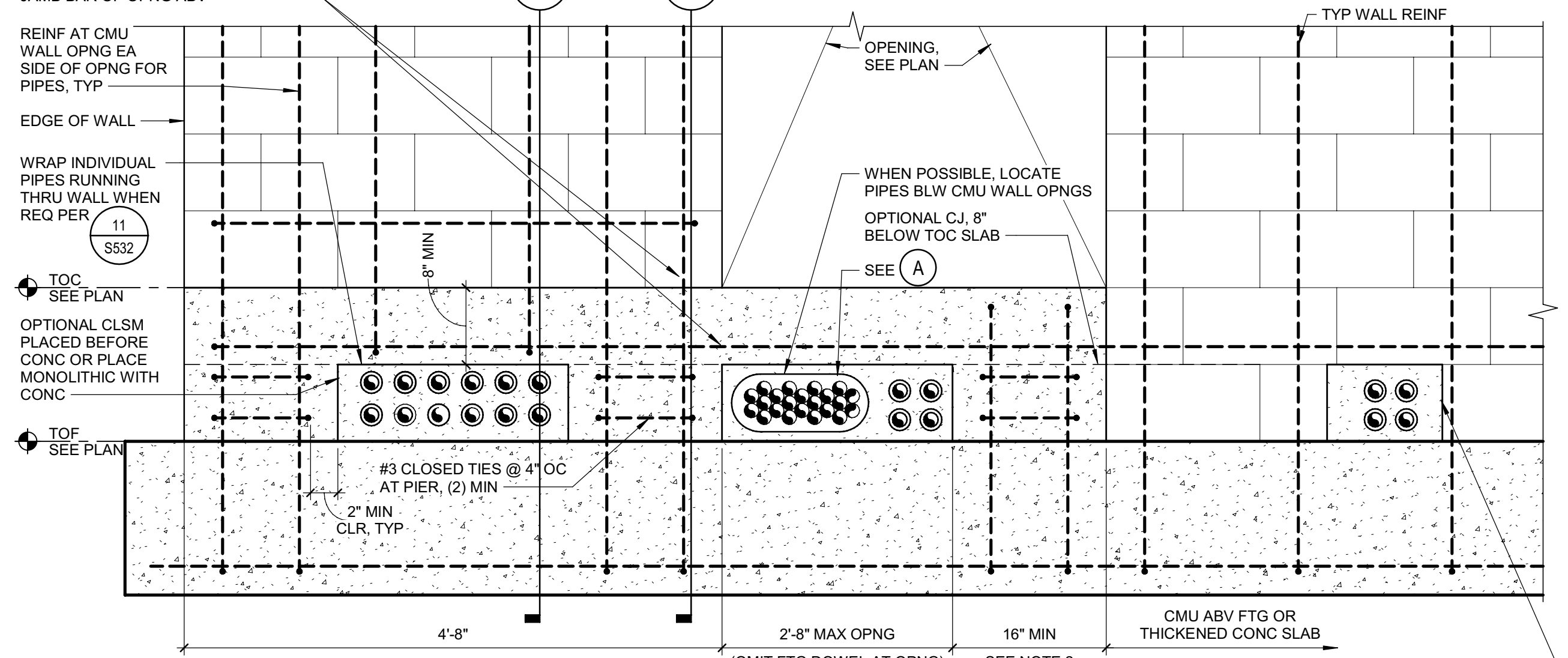
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SCALE: NTS



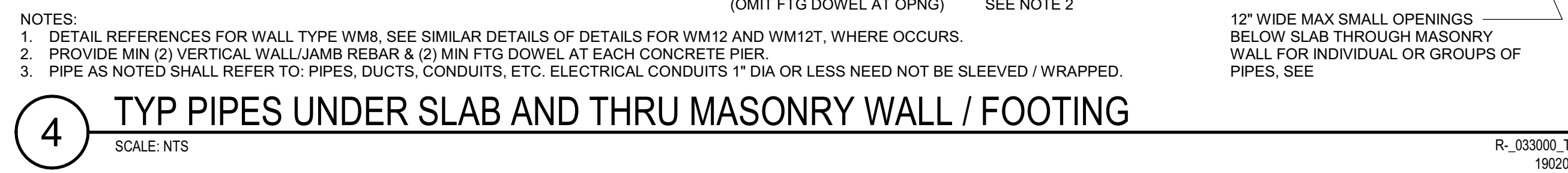
**11 TYP PIPE CROSSING FOOTINGS**  
SCALE: NTS



**4 TYP PIPES UNDER SLAB AND THRU MASONRY WALL / FOOTING**  
SCALE: NTS



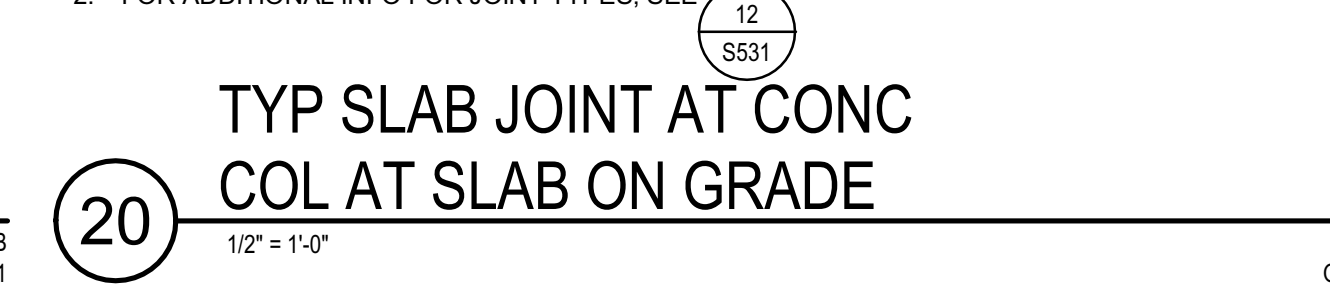
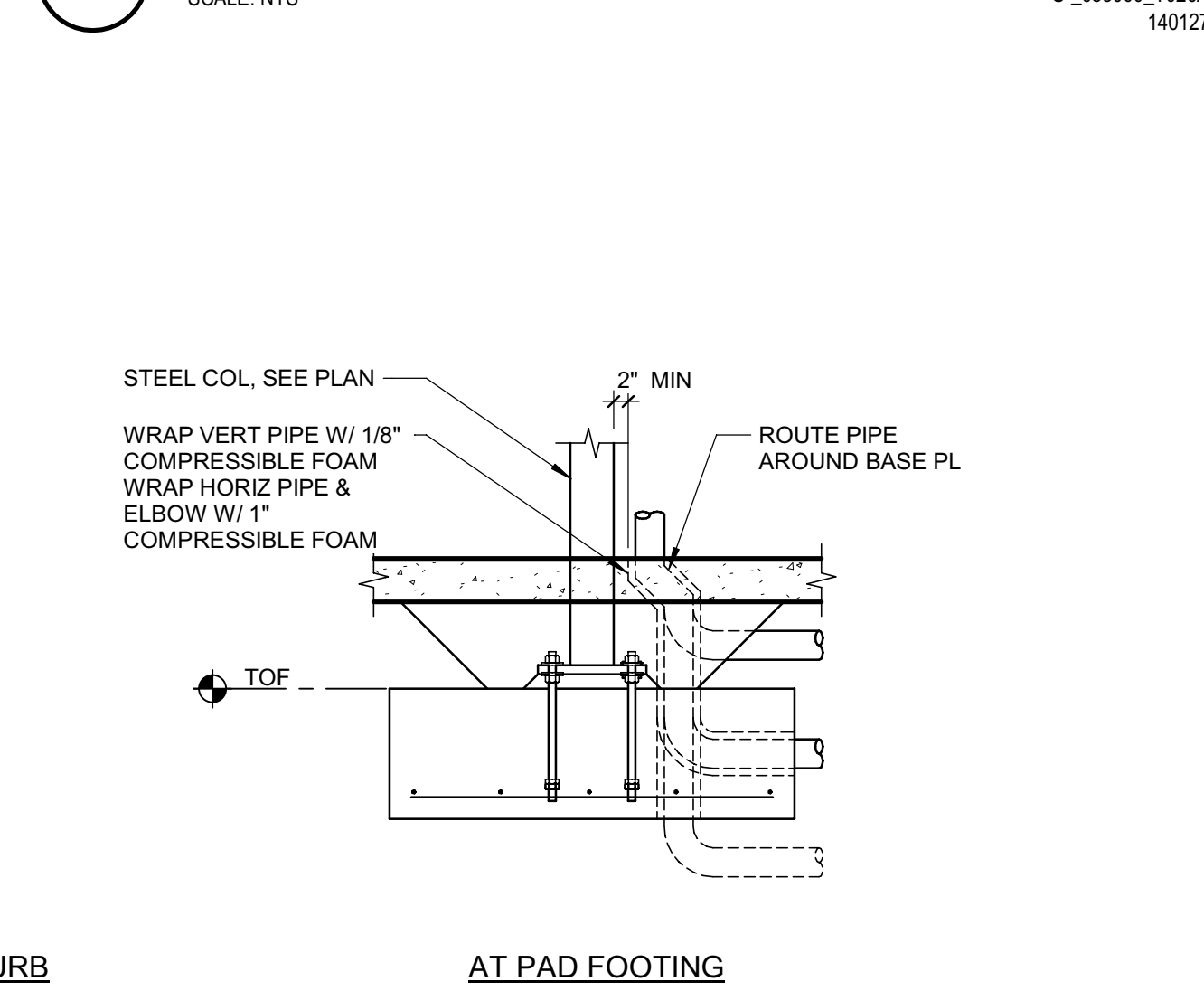
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SCALE: NTS



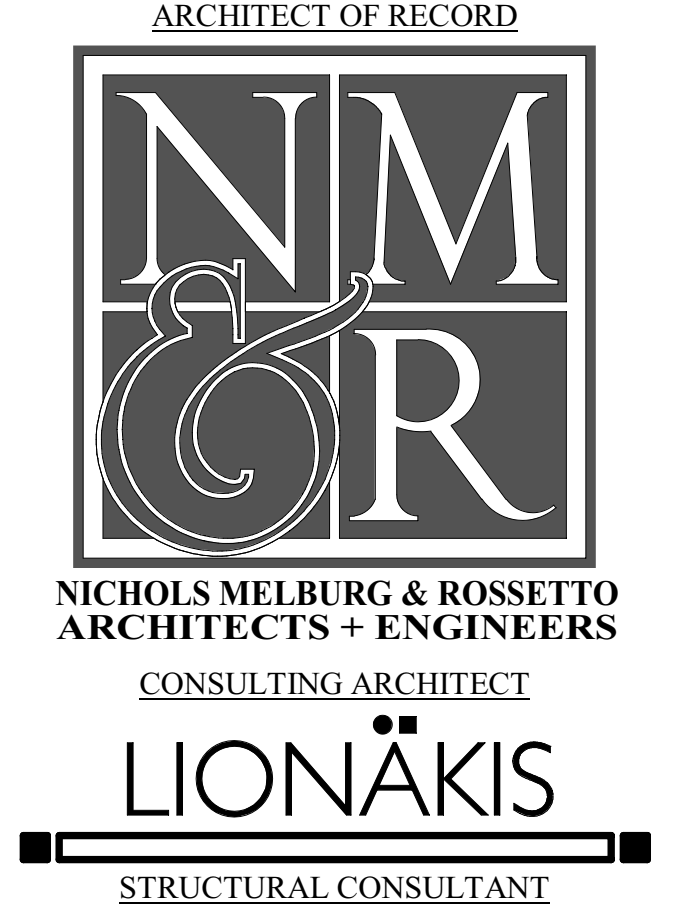
**18 DETAIL**  
SCALE: NTS



**15 TYP PIPE AT SLABS / WALLS**  
SCALE: NTS



Approval of this plan shall authorize or approve any excavation or construction from applicable regulations. Approval is subject to field inspection. Other sets of approved plans shall be available on the project site at all times.



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**DETAILS - TYPICAL CONCRETE**

DRAWING STATUS  
**WORKING DRAWINGS**

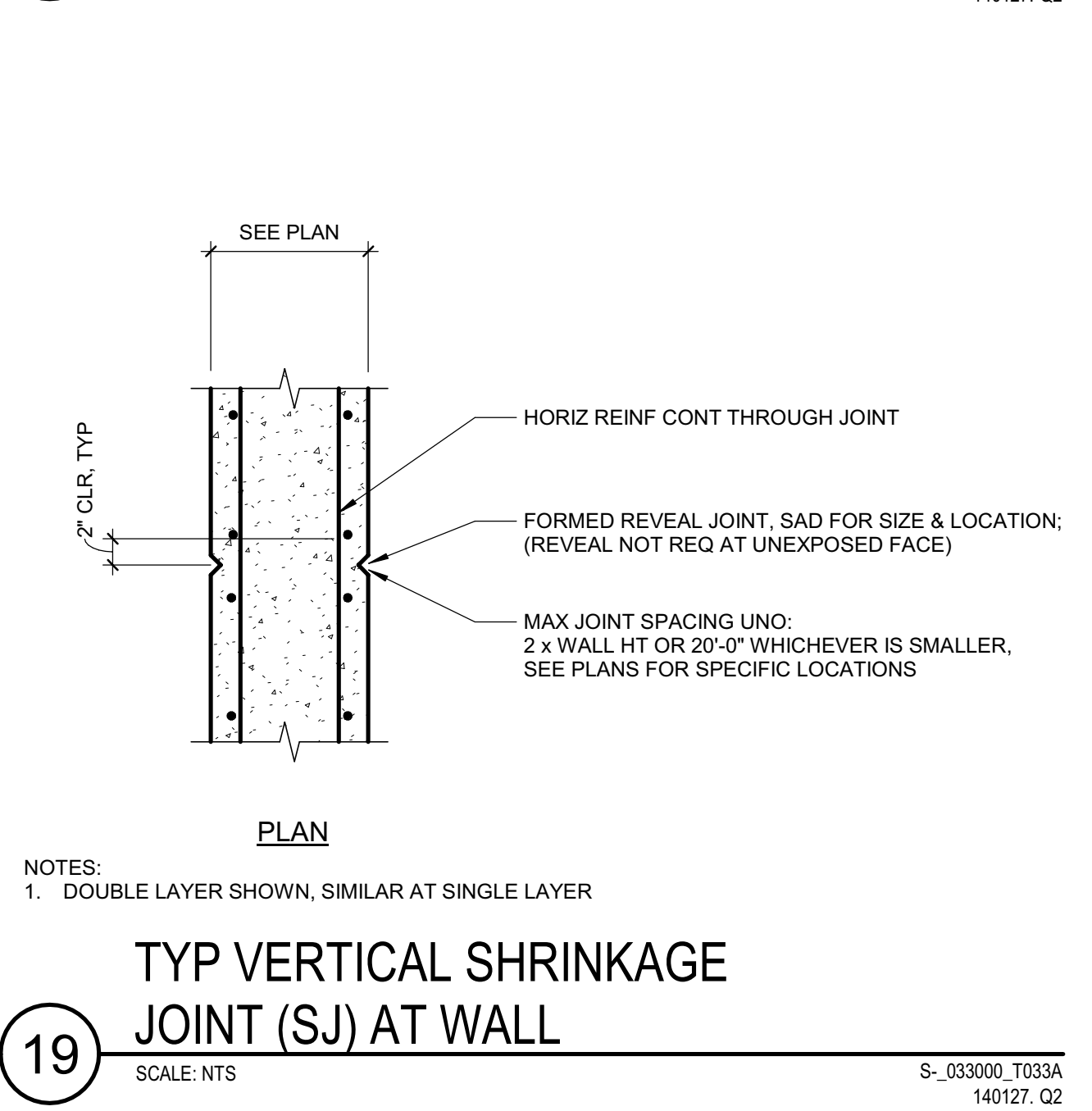
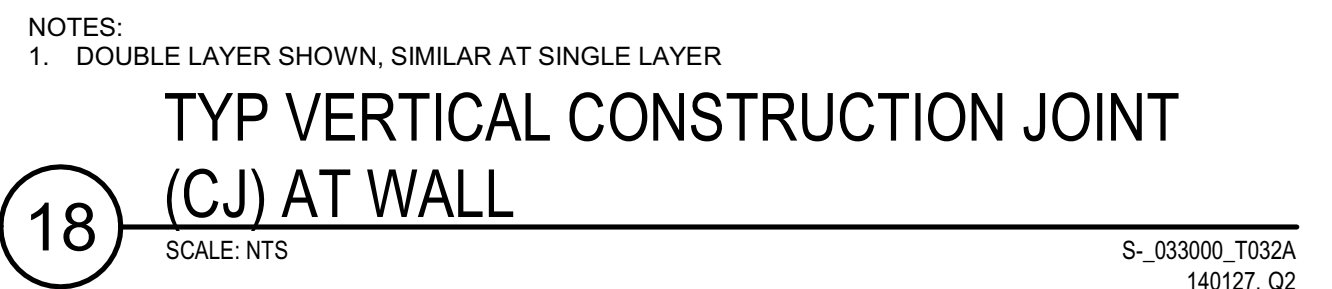
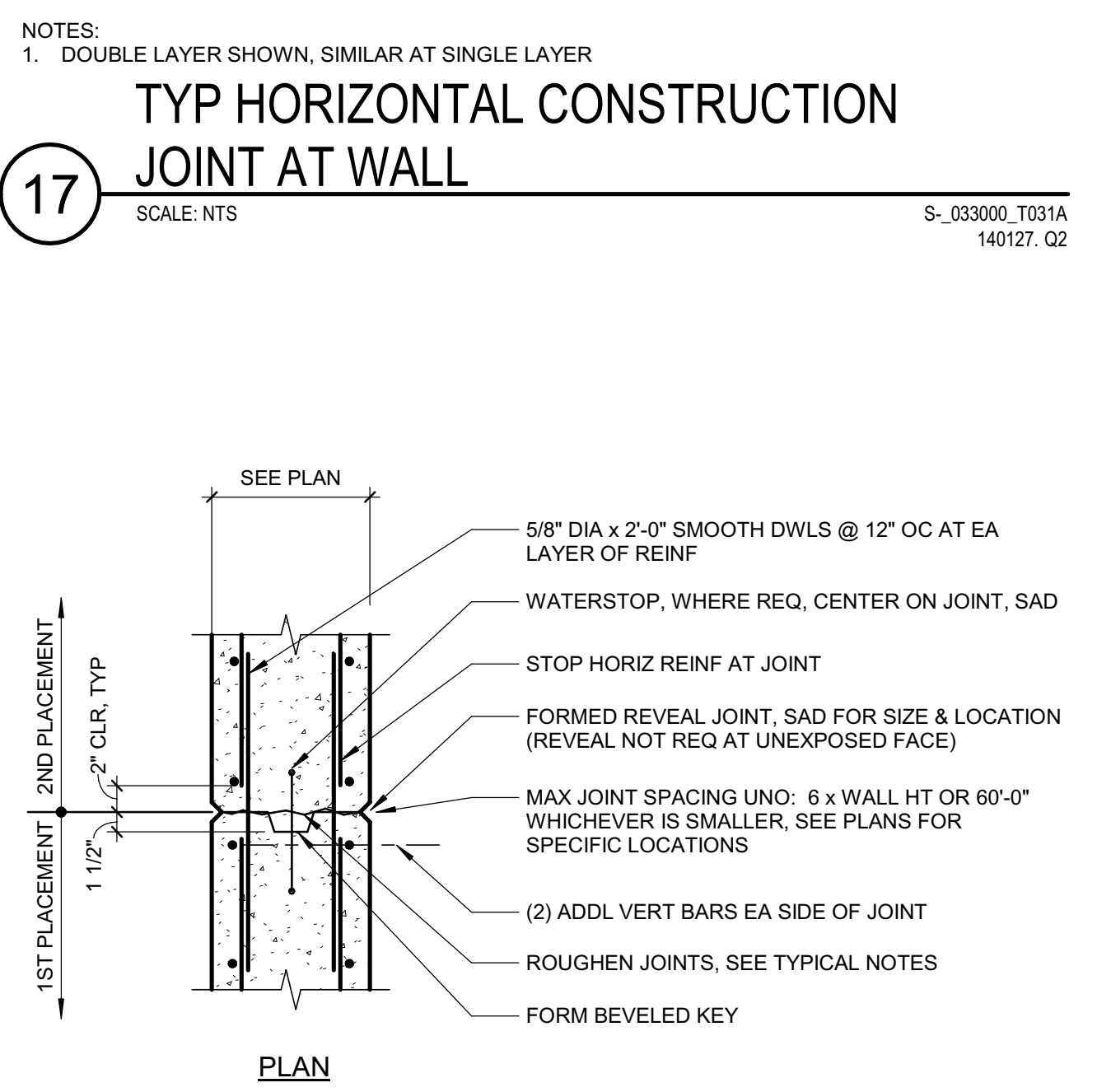
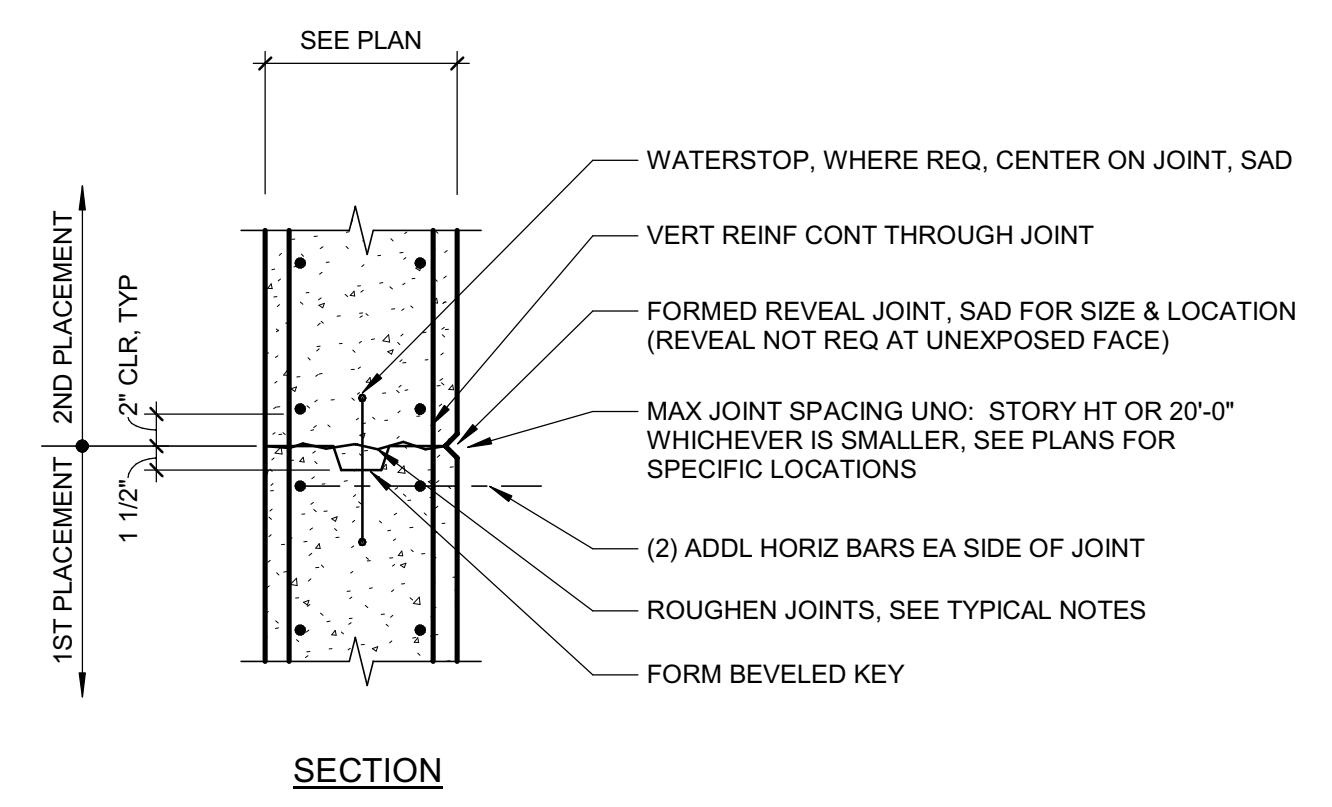
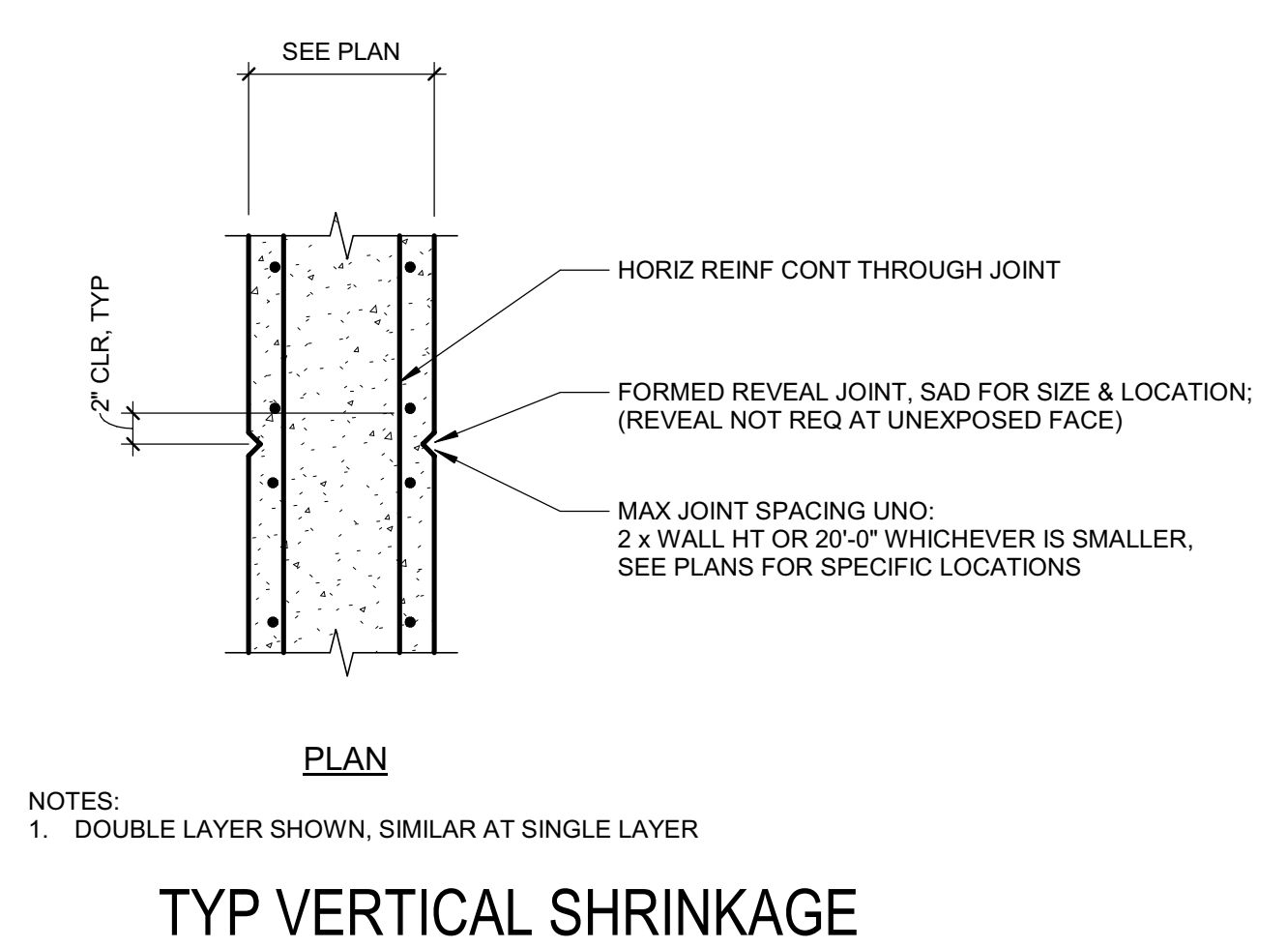
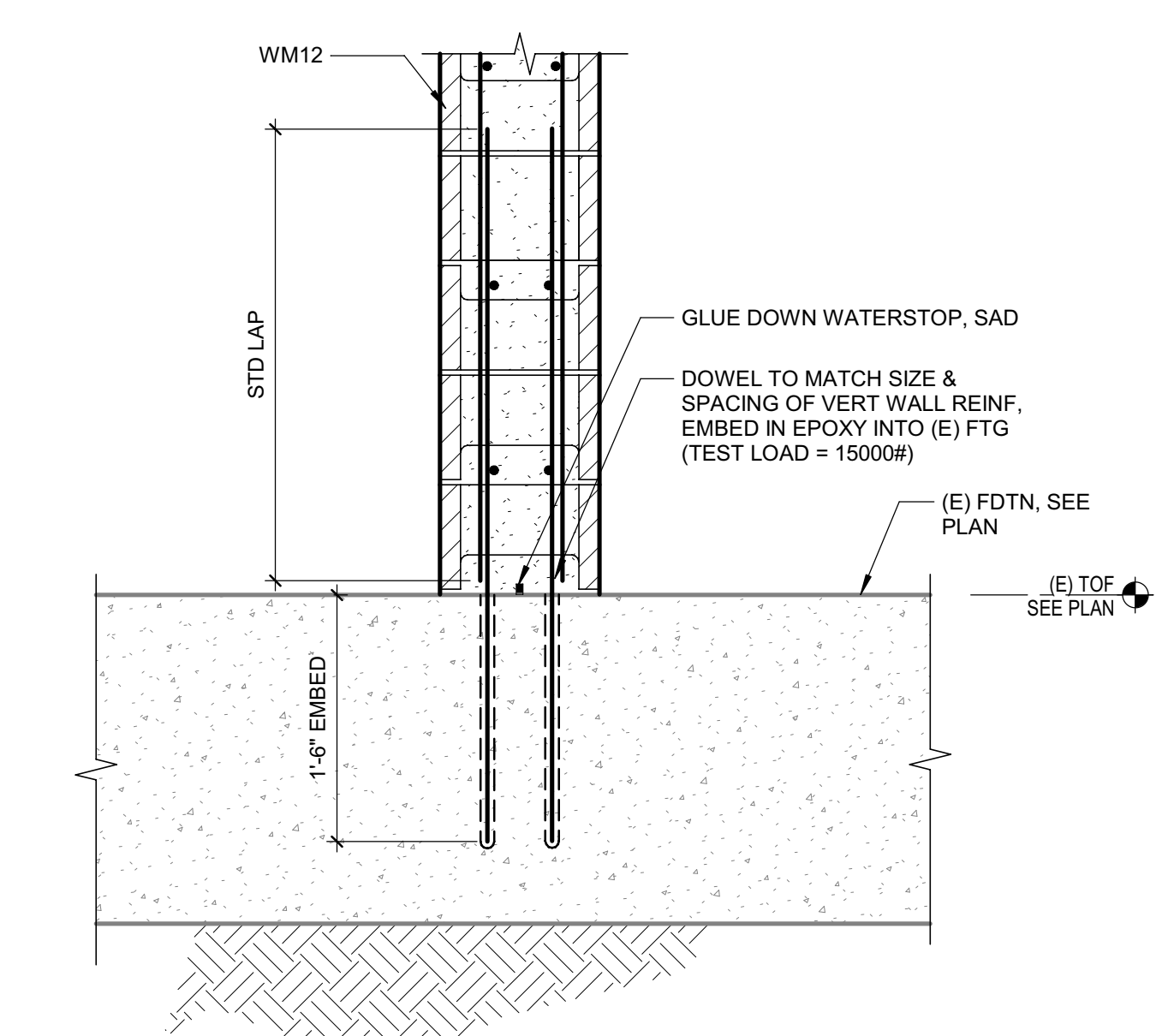
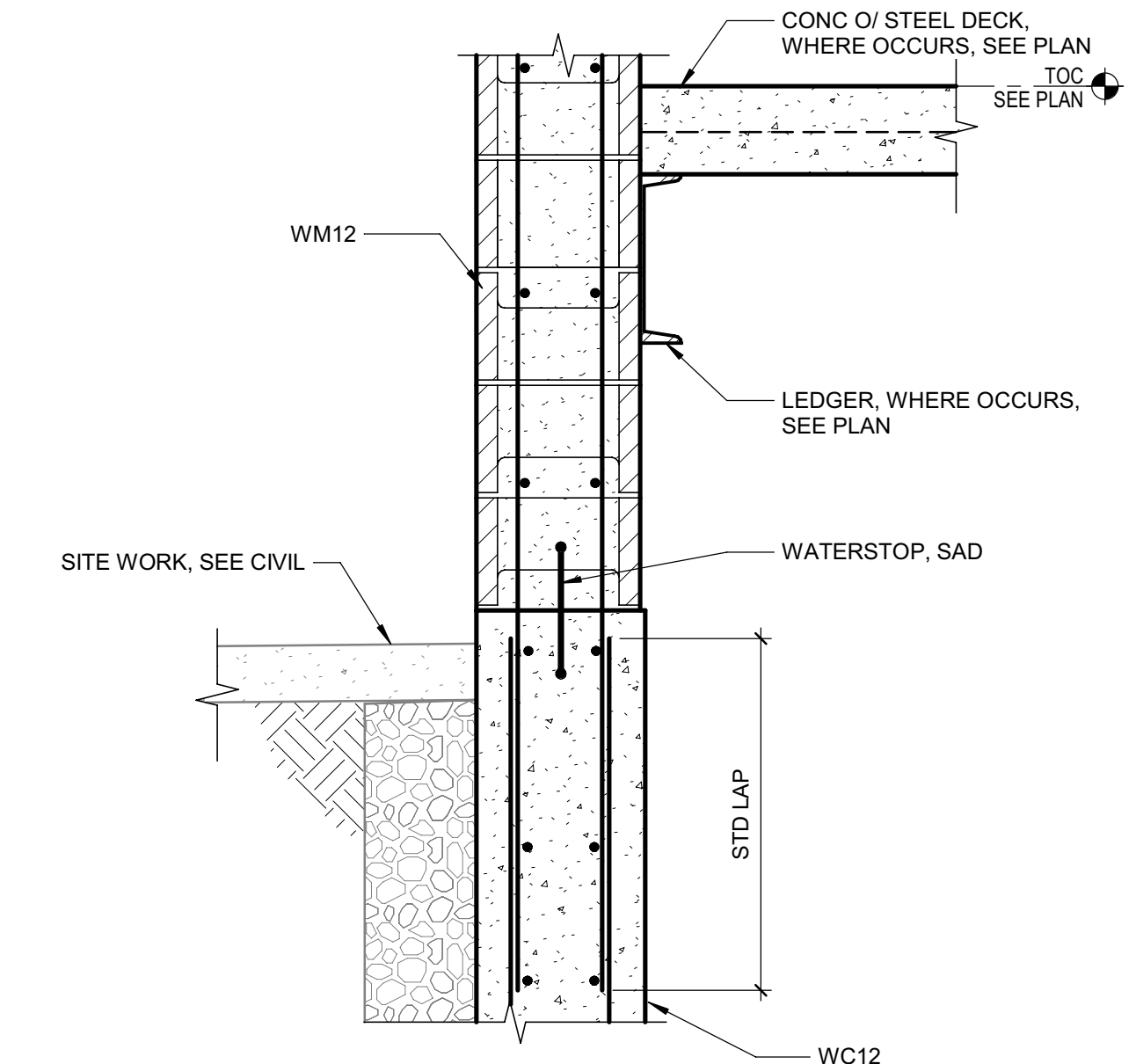
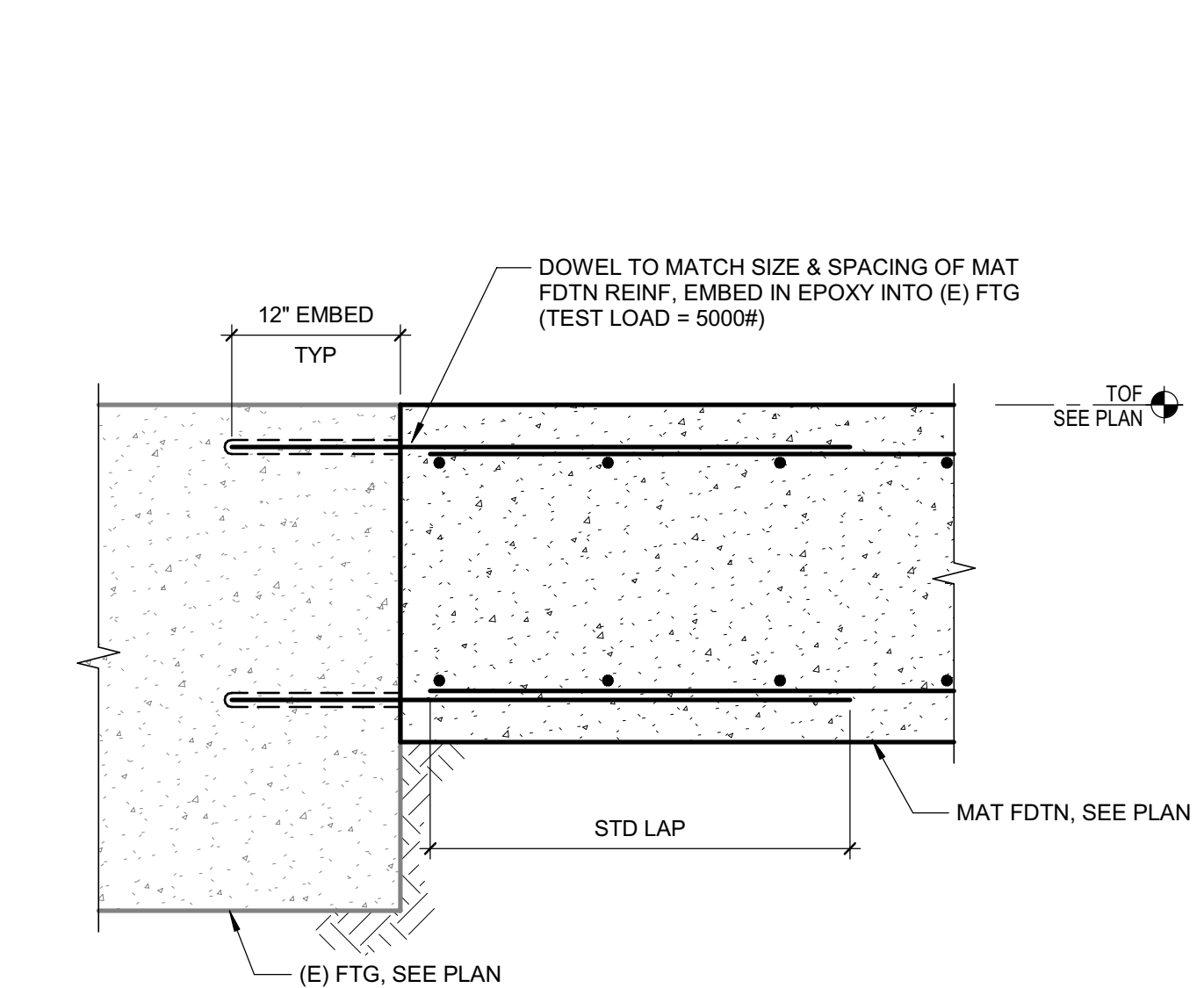
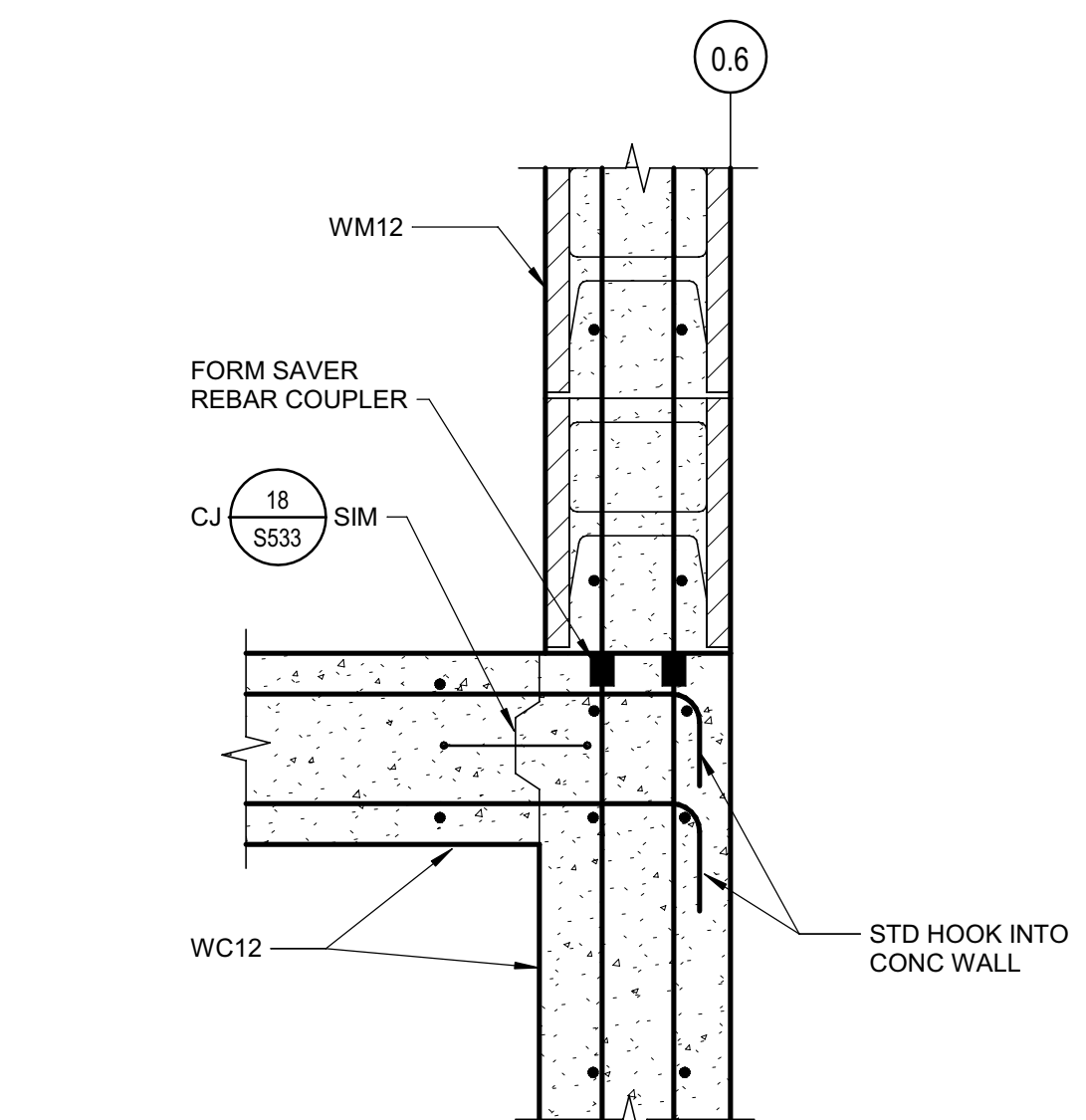
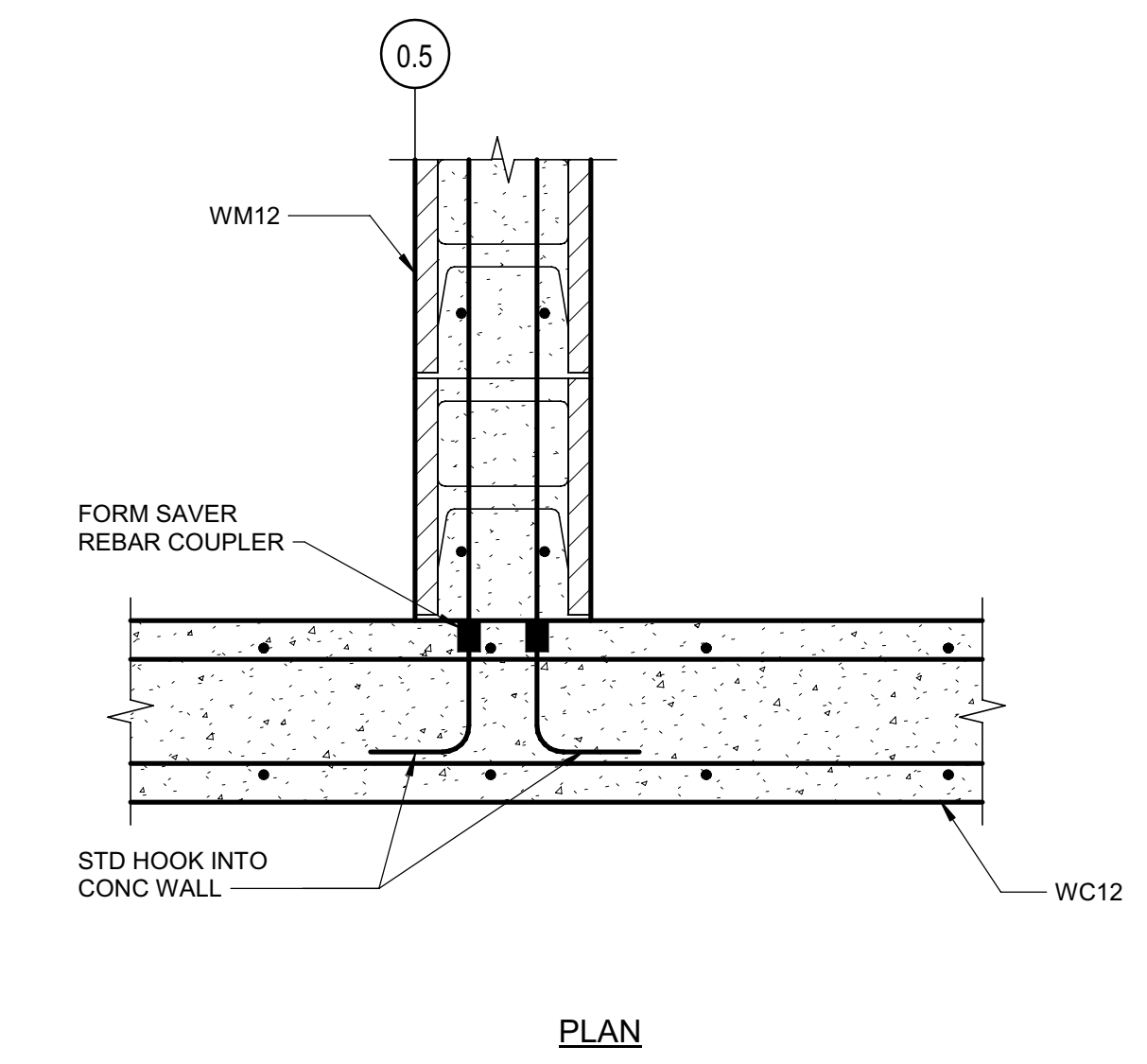
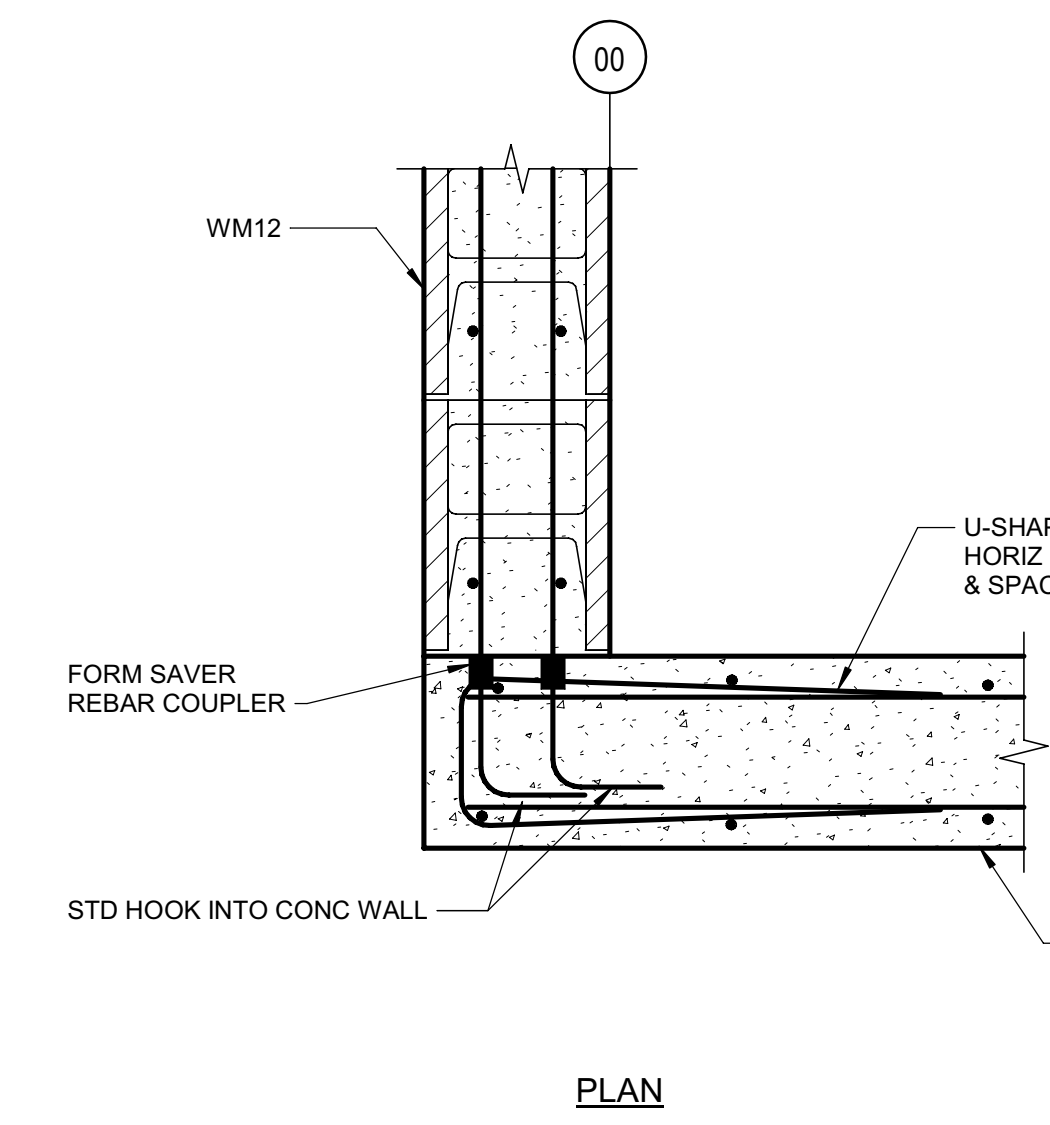
REVISIONS		
Svnt.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

SHEET No.  
**S532 V4**

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PROJECT NAME  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**DETAILS - TYPICAL**  
**CONCRETE**

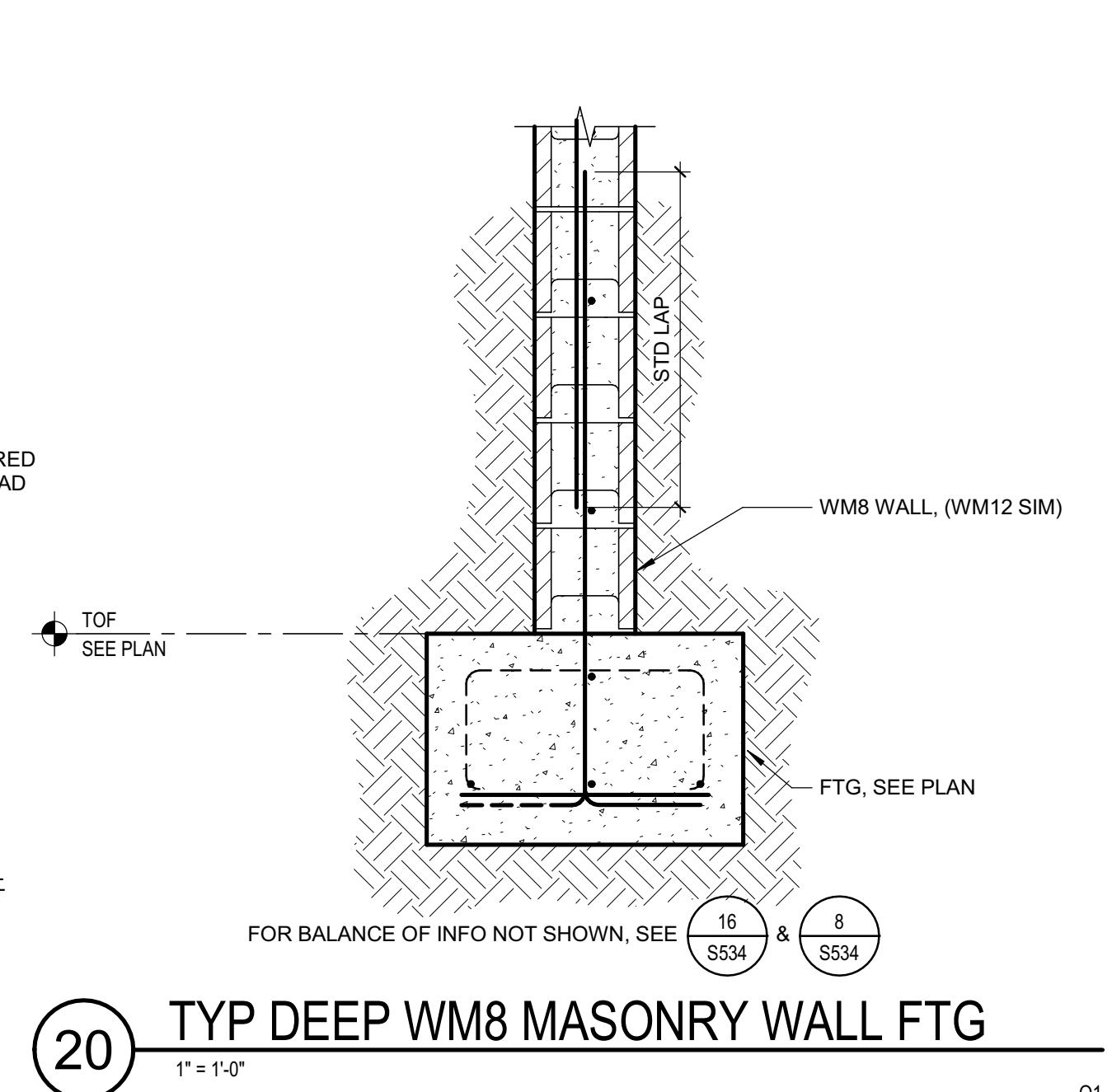
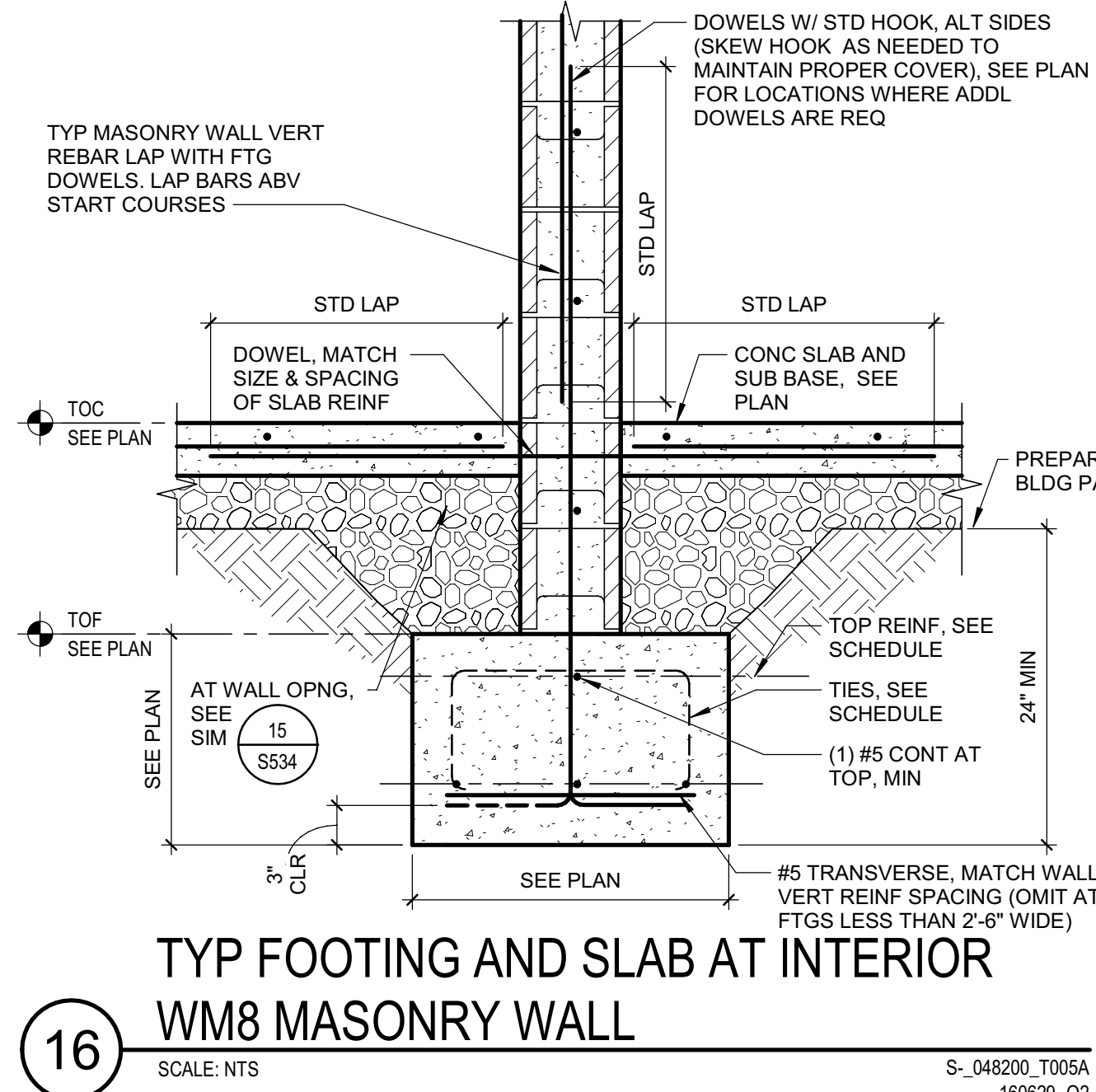
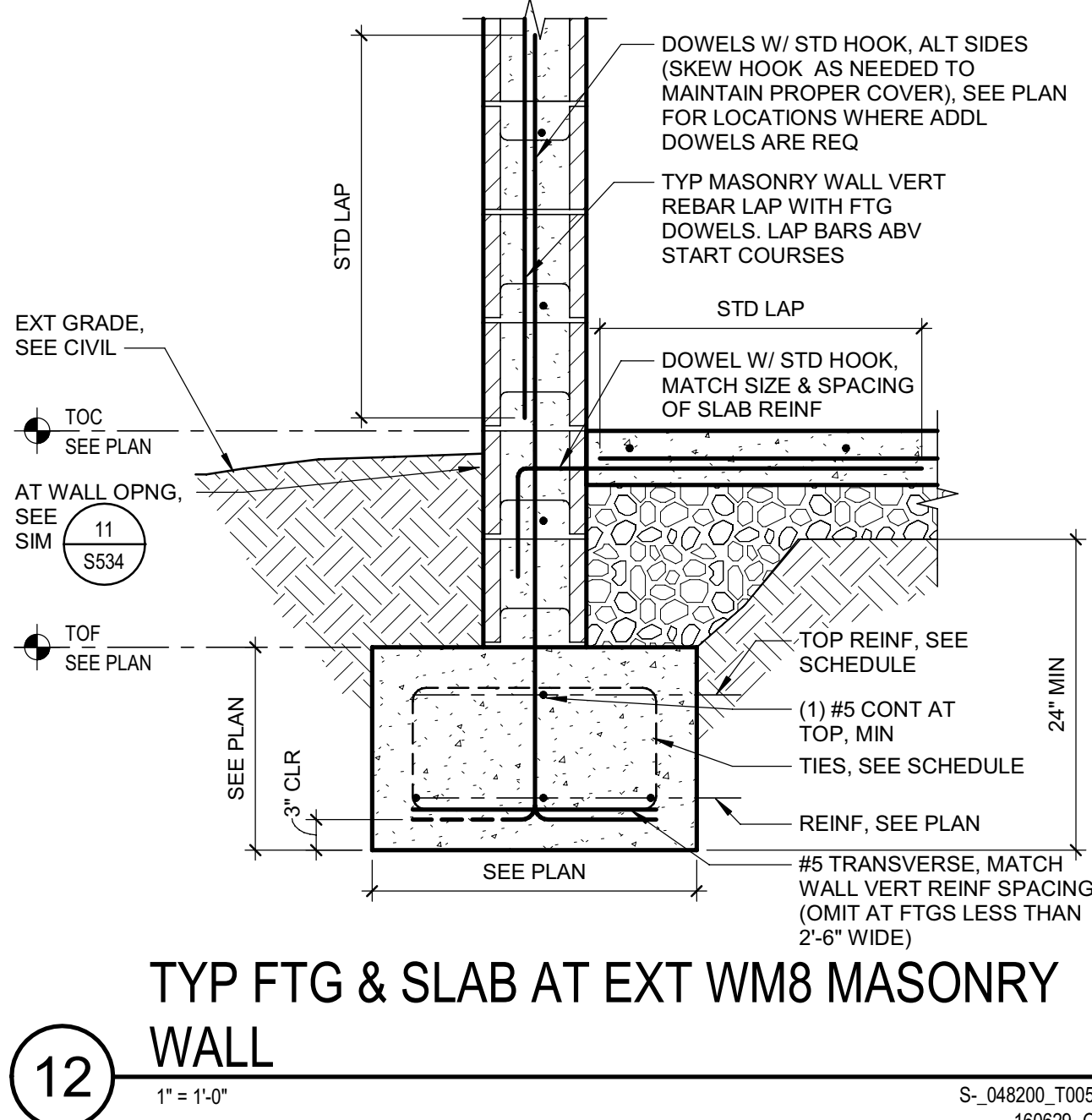
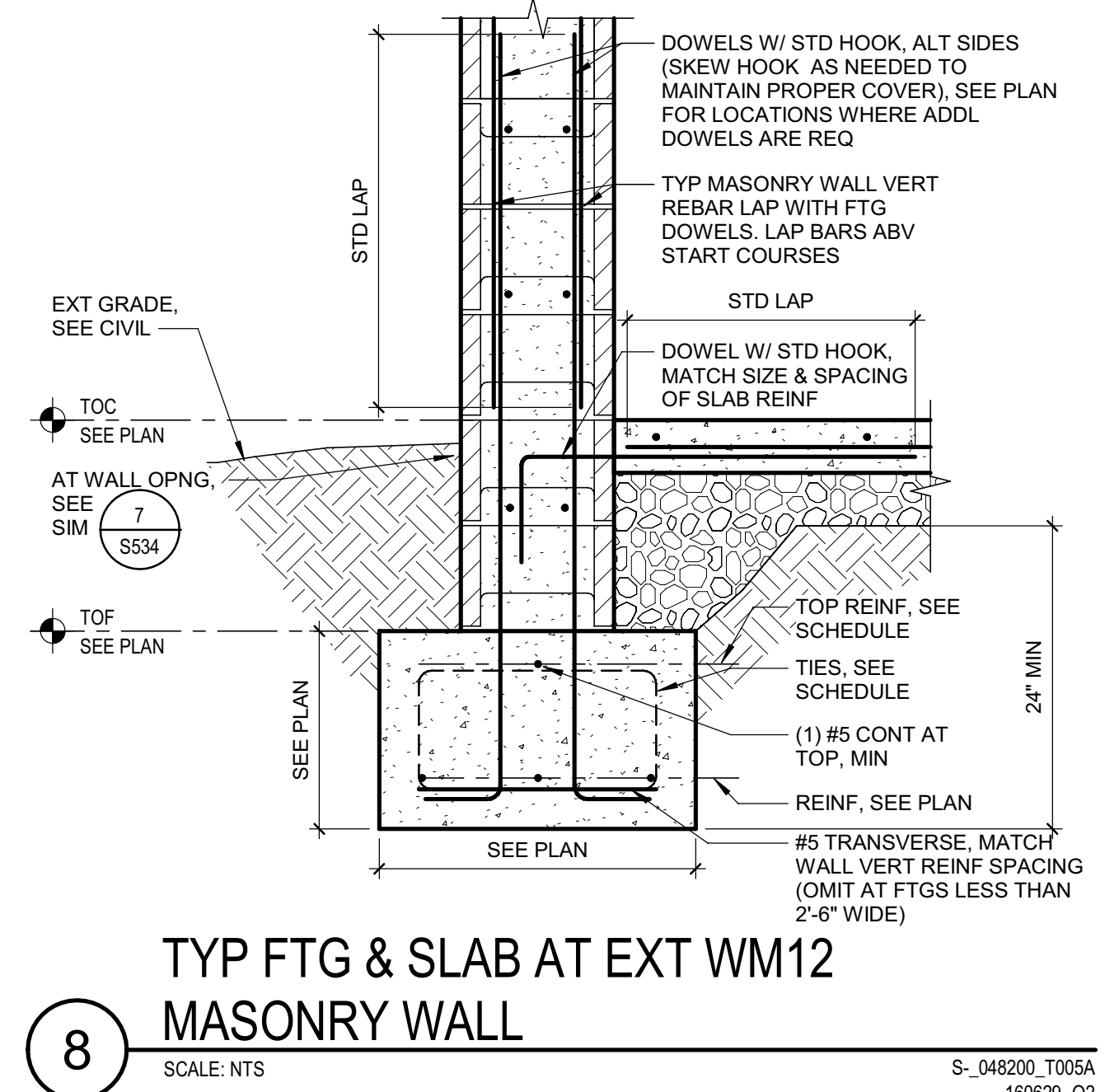
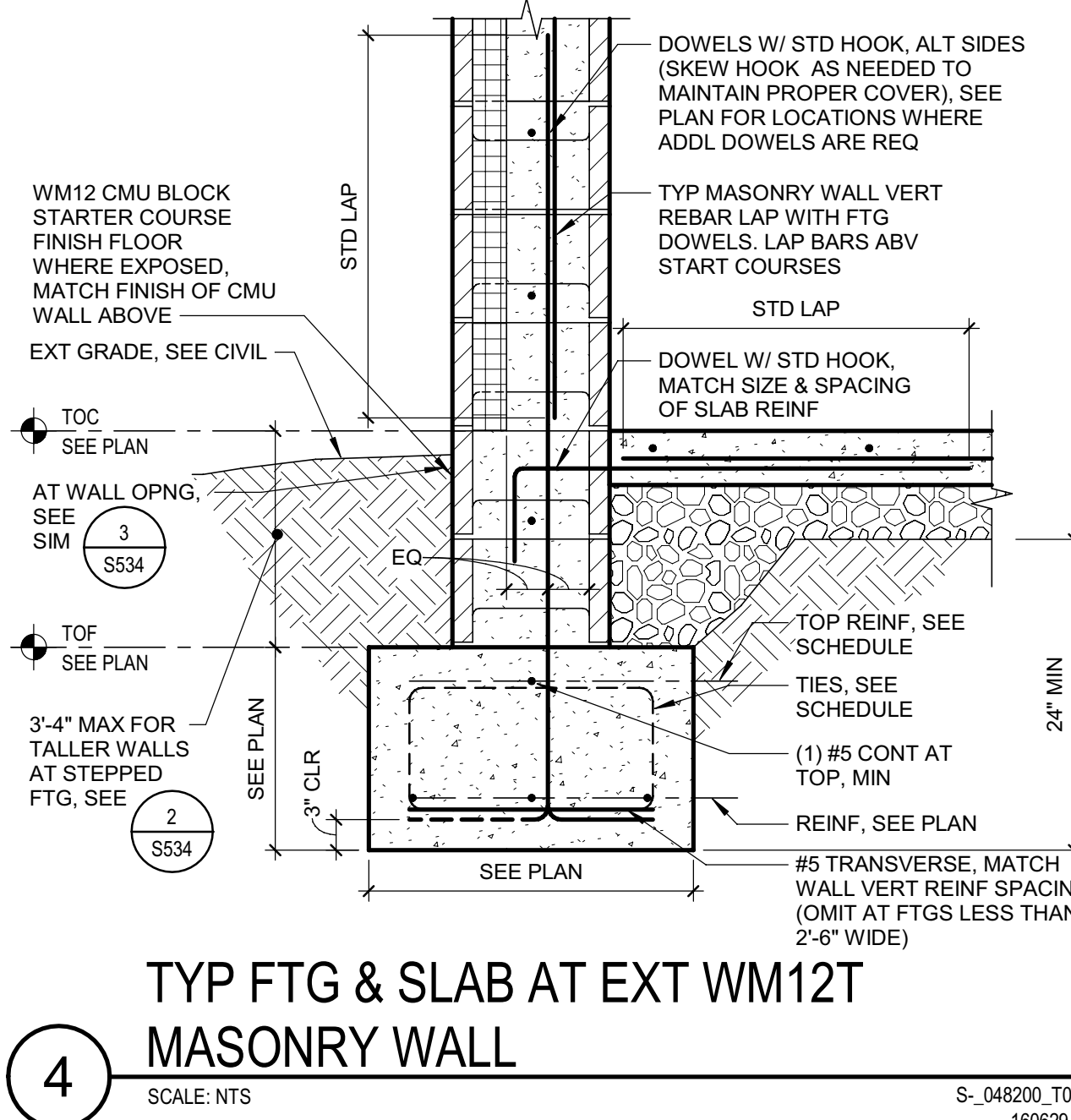
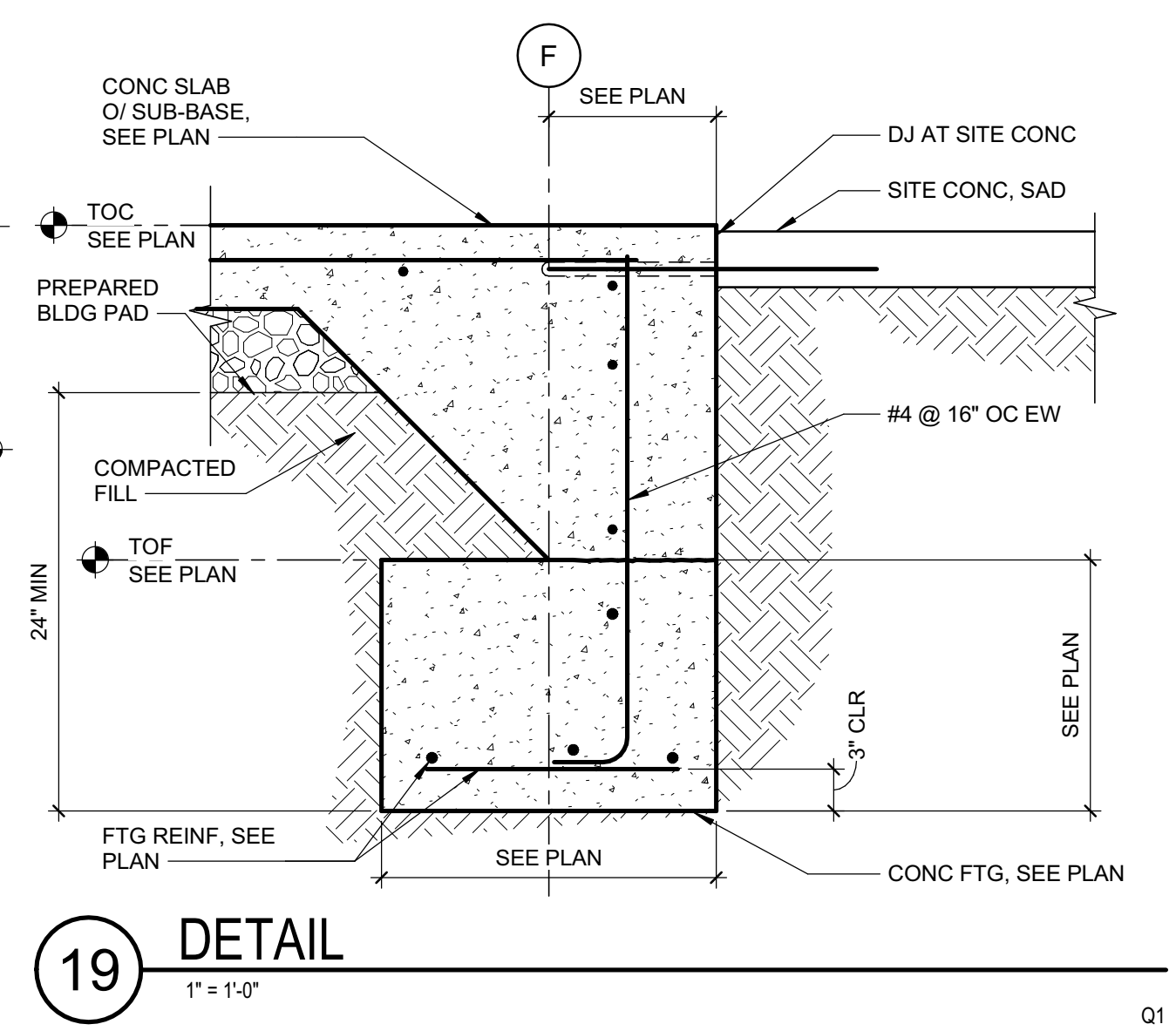
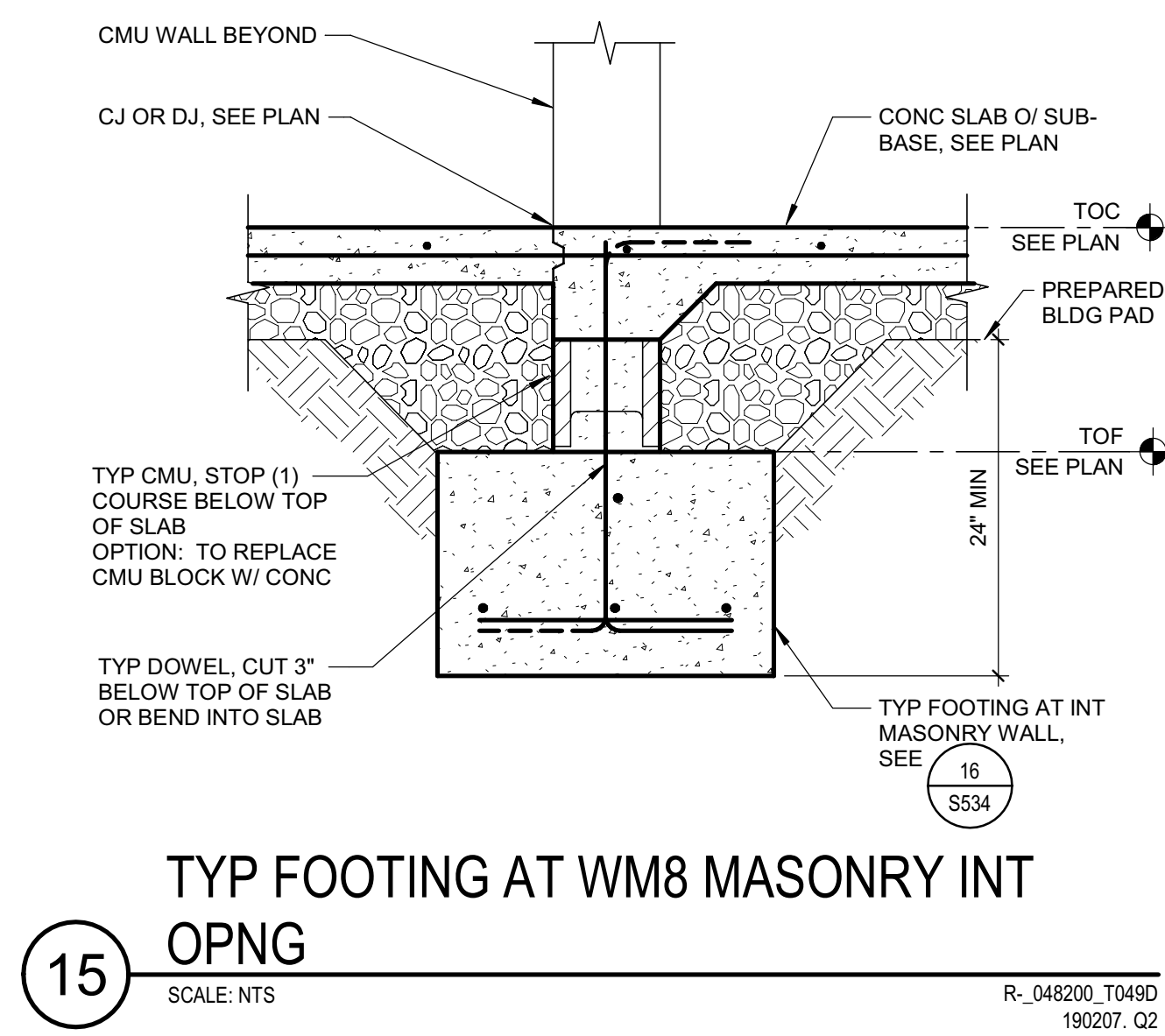
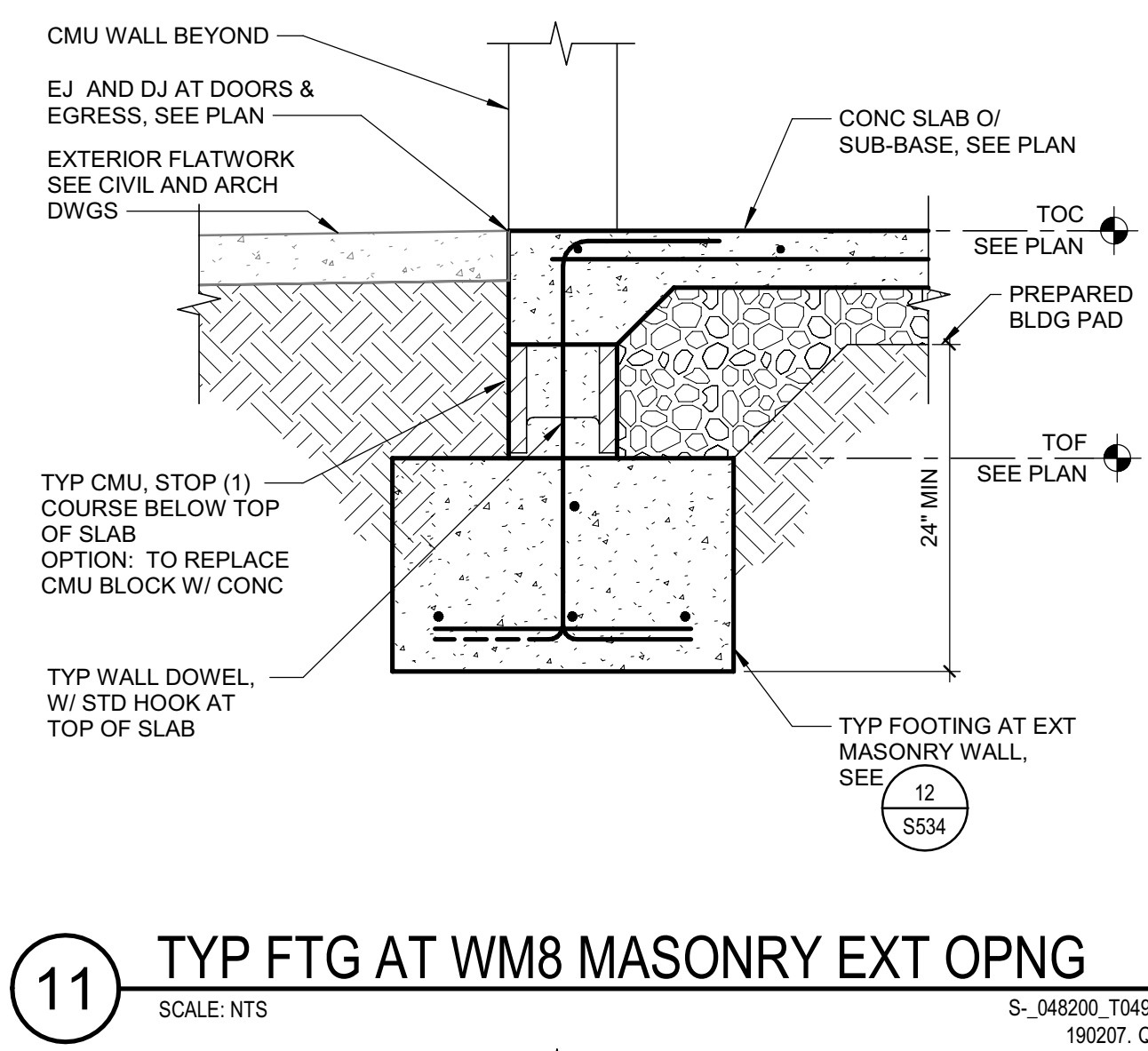
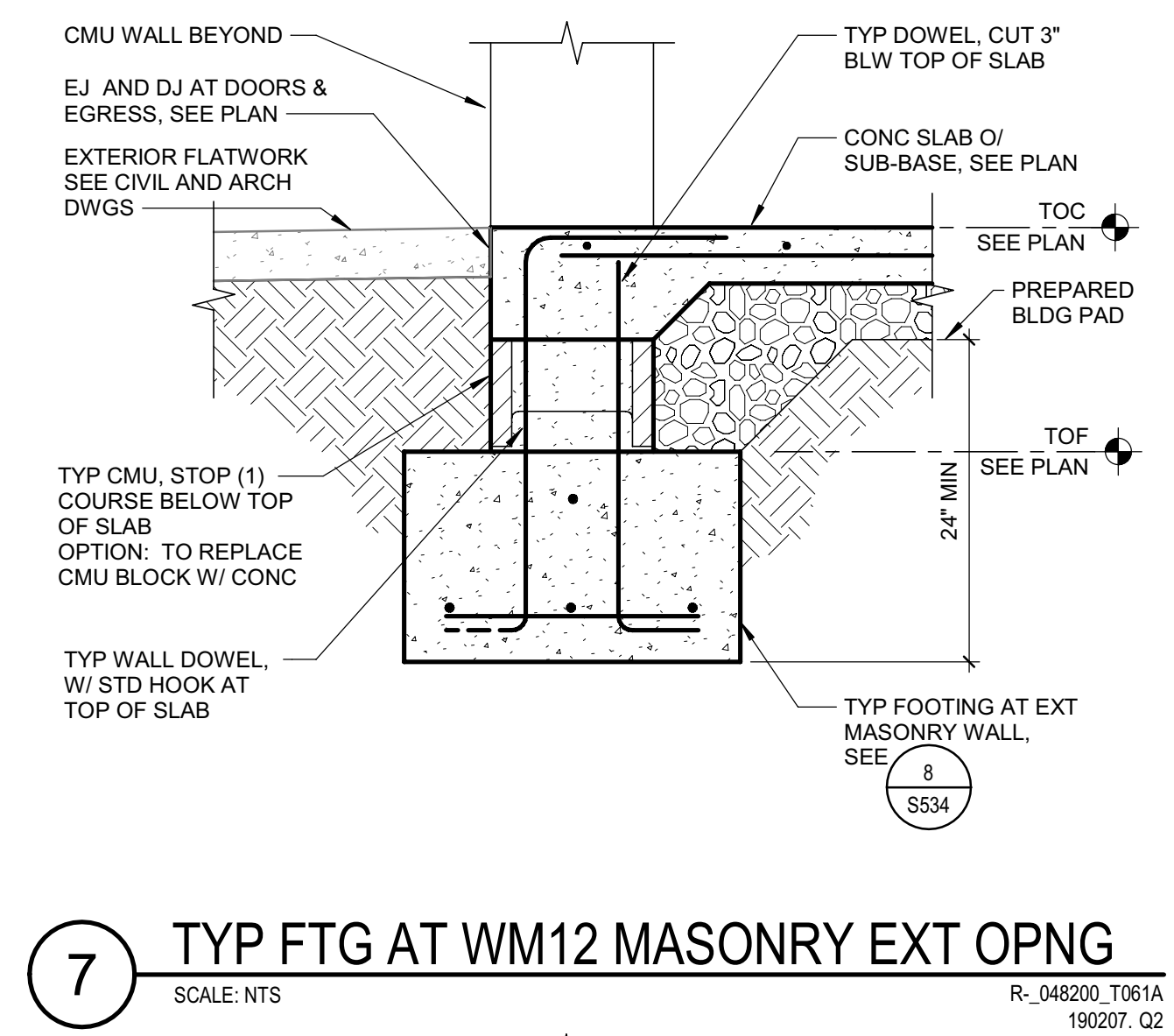
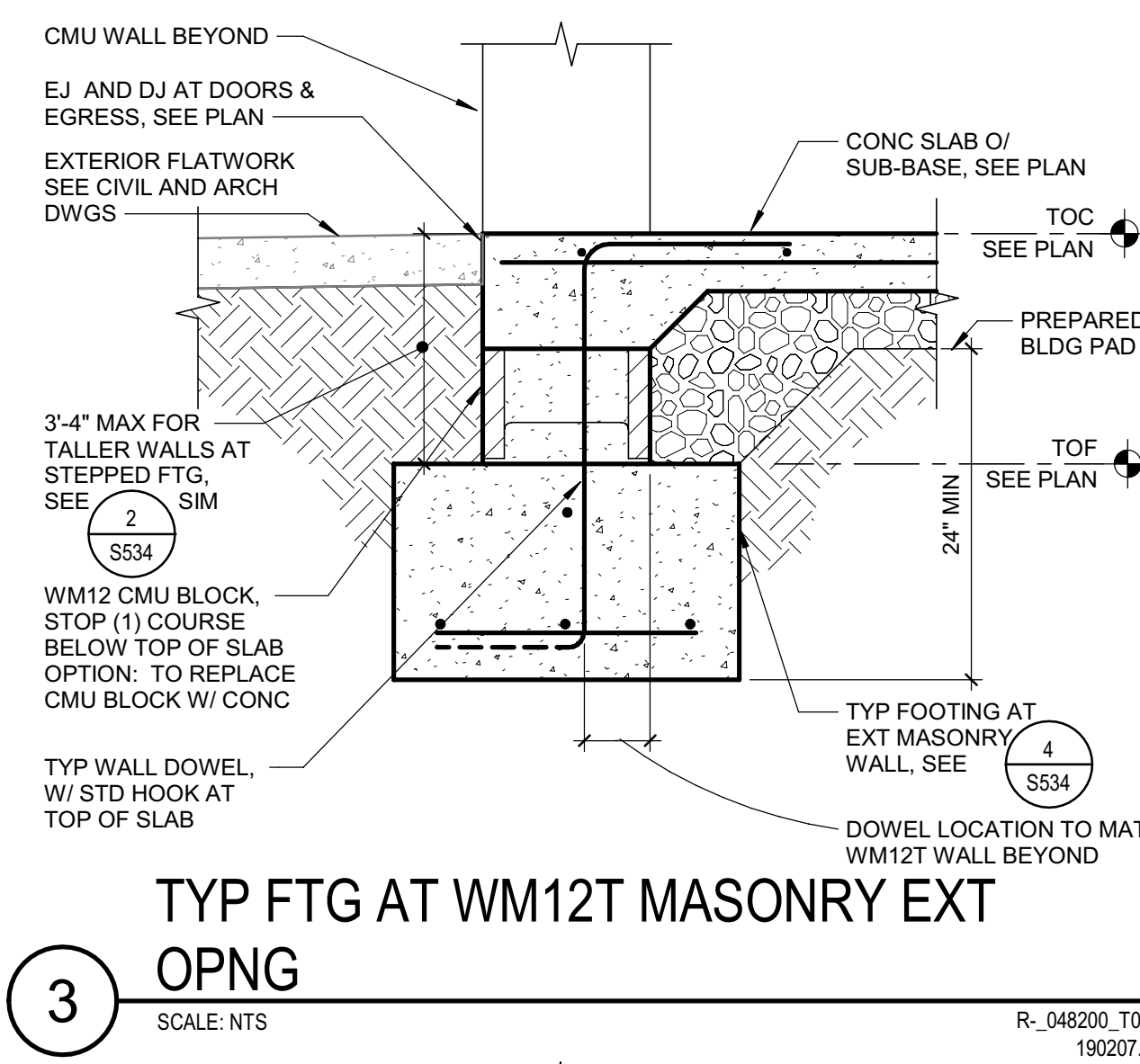
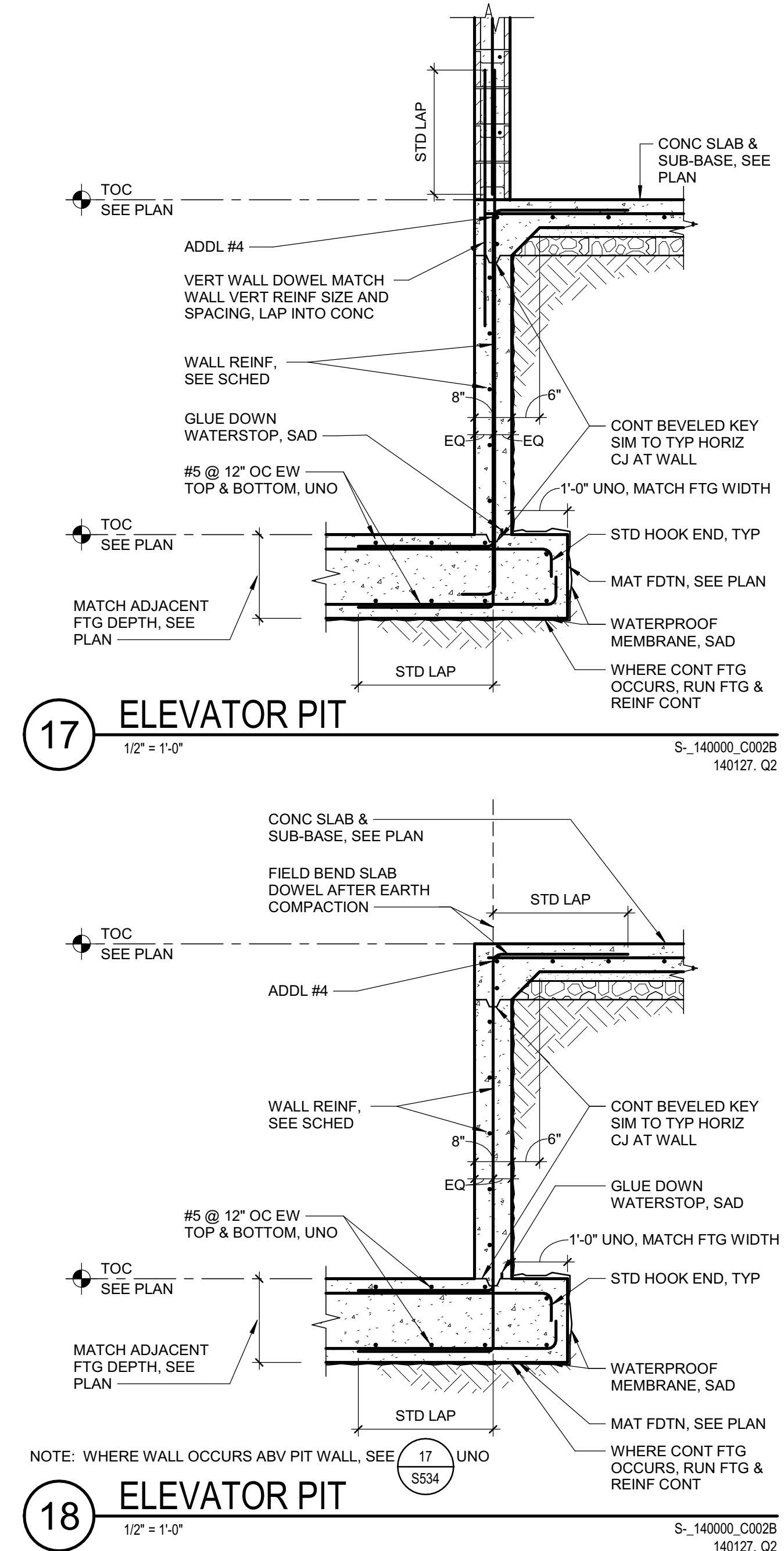
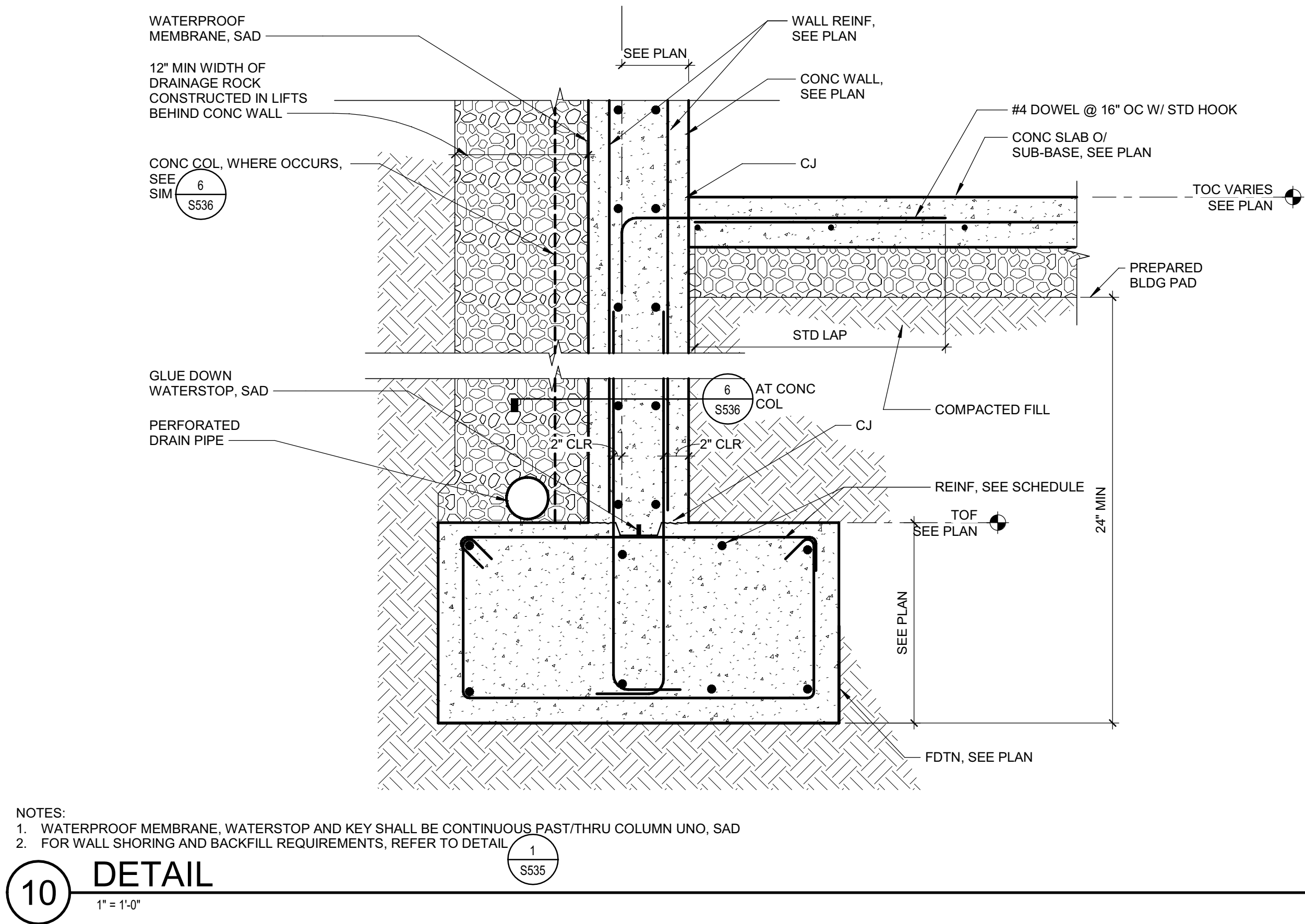
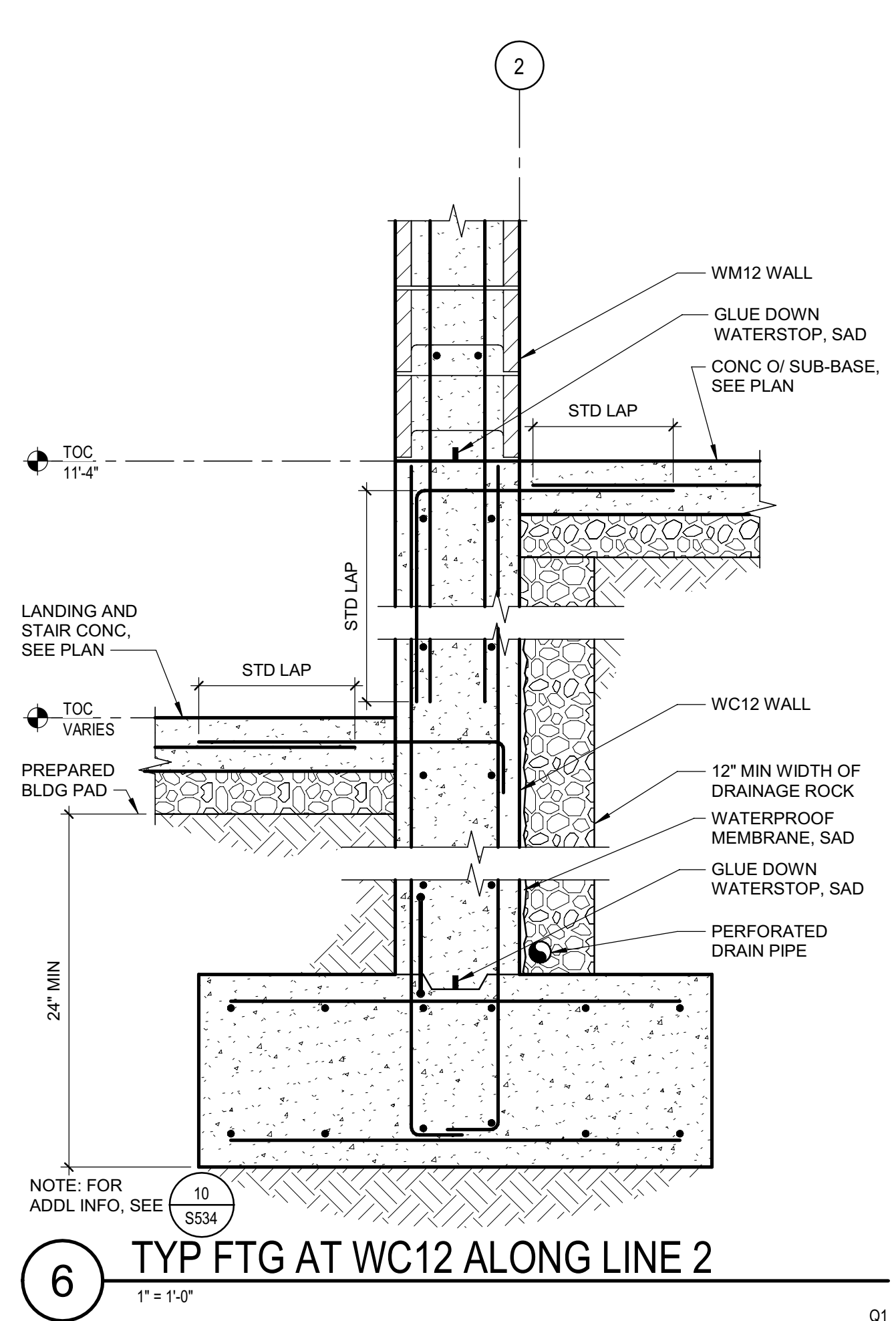
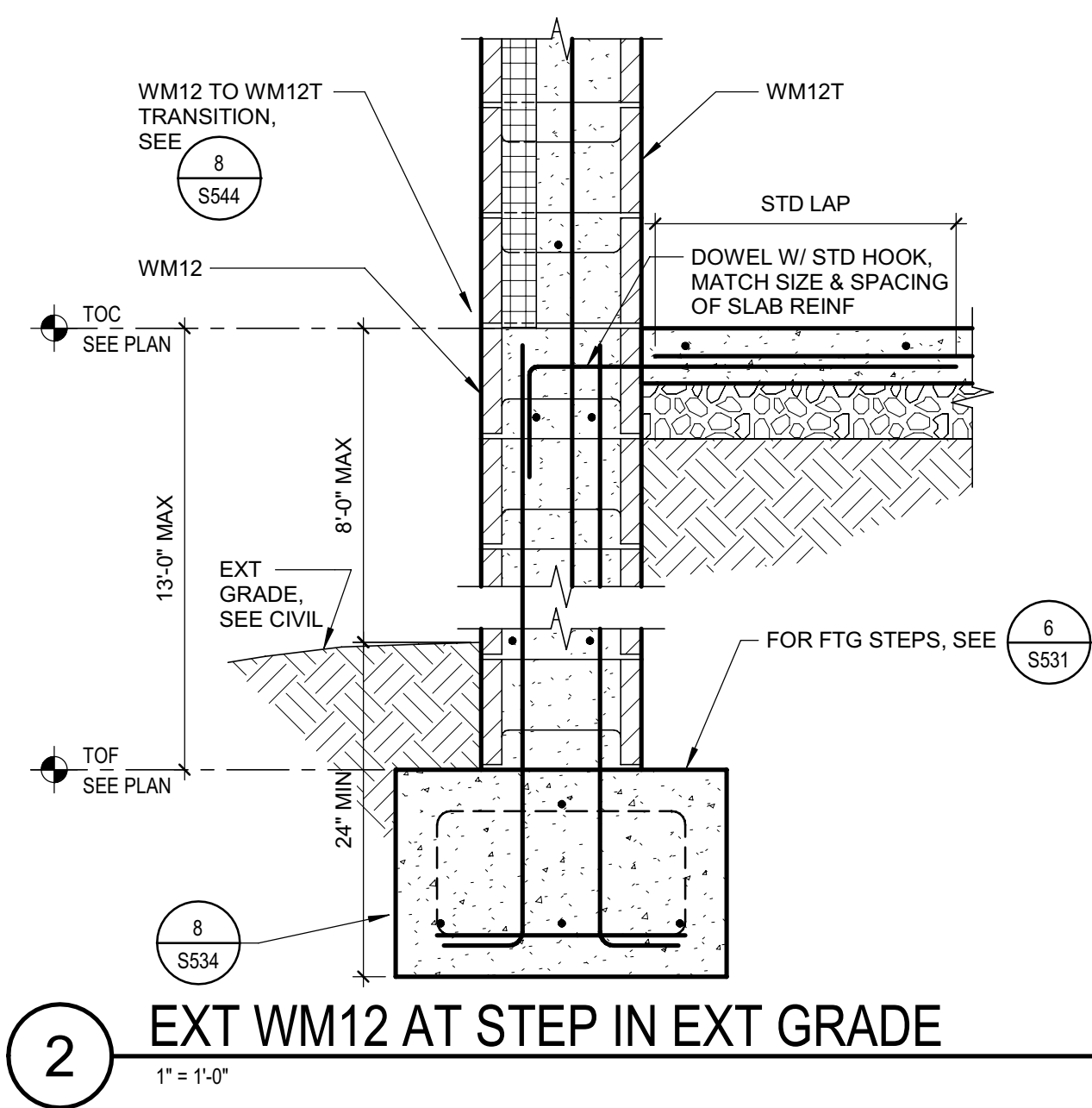
DRAWING STATUS

WORKING DRAWINGS

REVISIONS		
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1" = 1'-0"
Project No.	016205.01

SHEET No.  
**S533 V4**



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**DETAILS - CONCRETE FOUNDATIONS AT MASONRY**

DRAWING STATUS

WORKING DRAWINGS

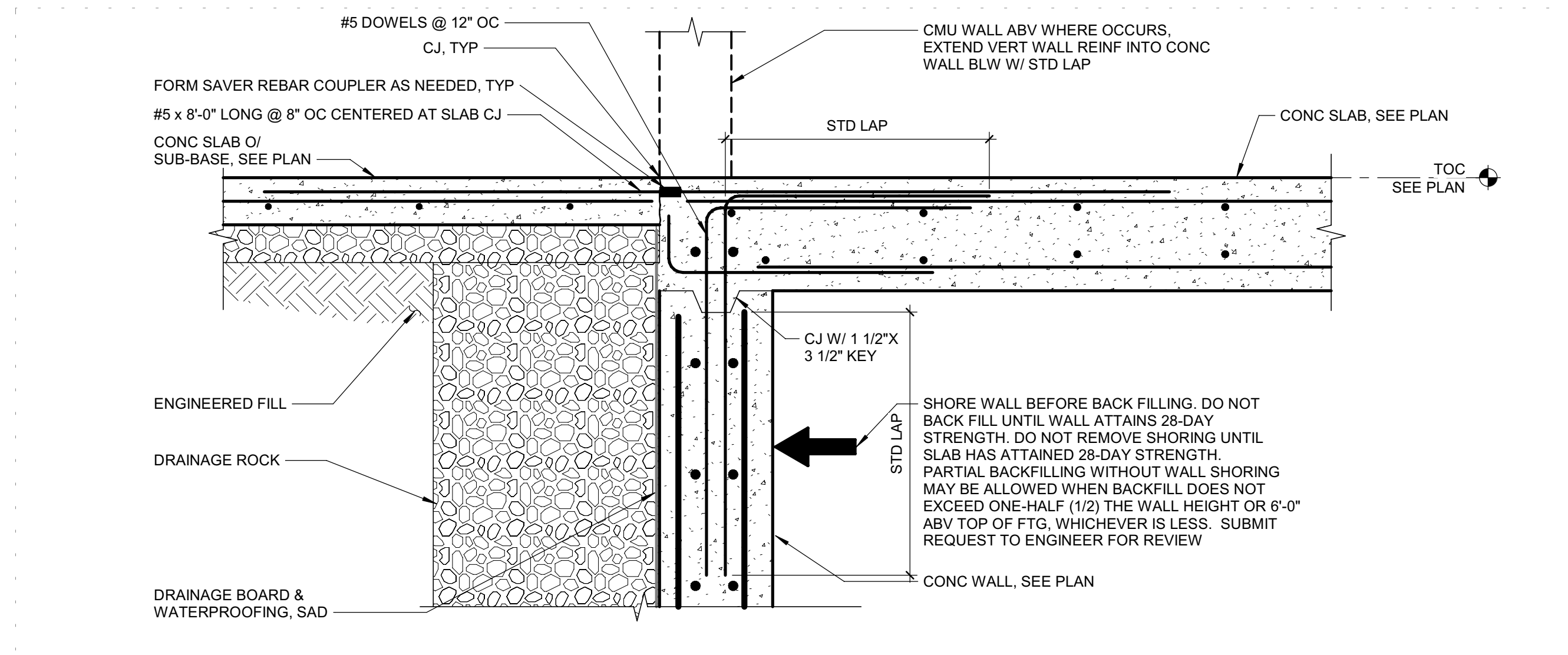
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Svnt.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

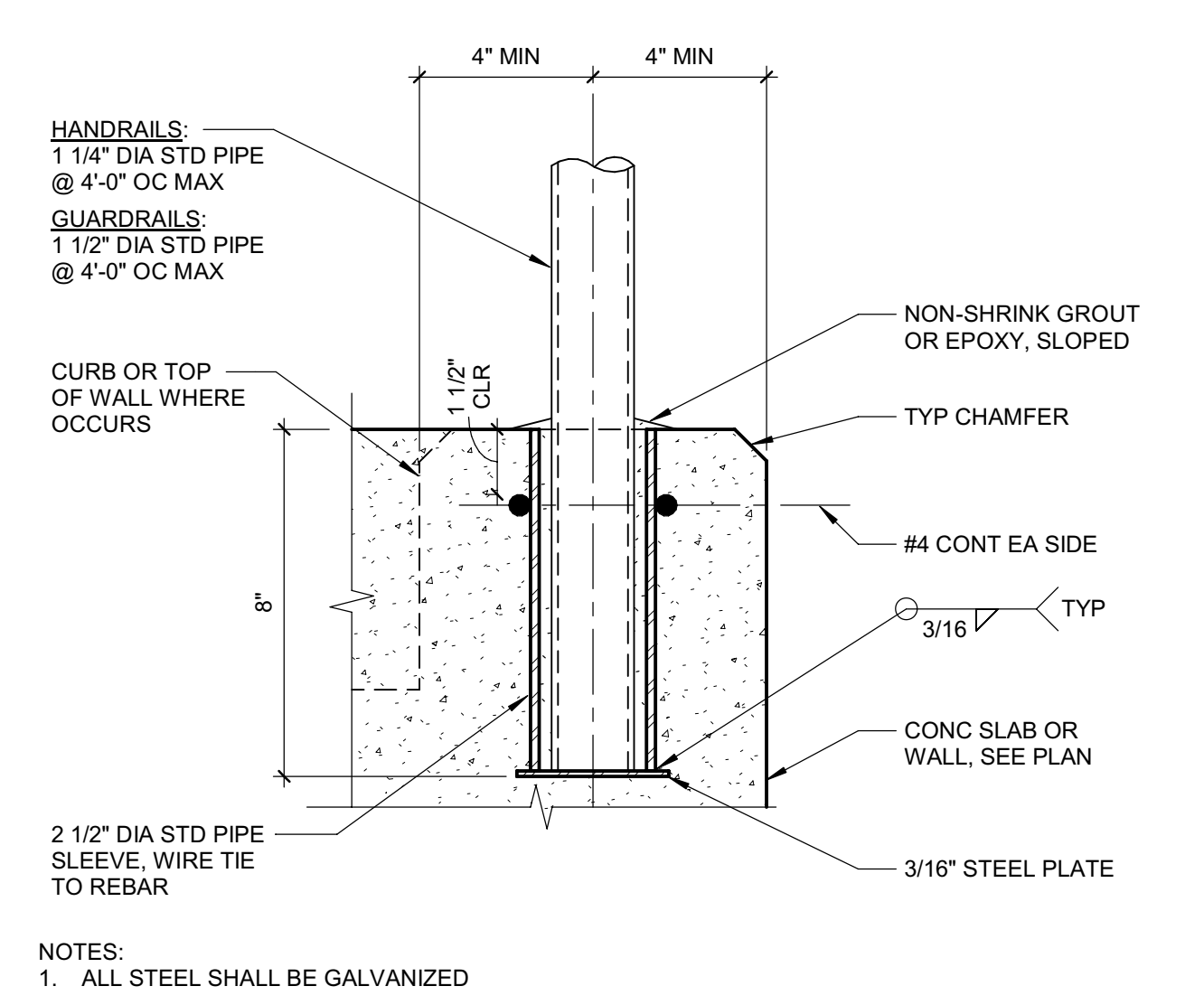
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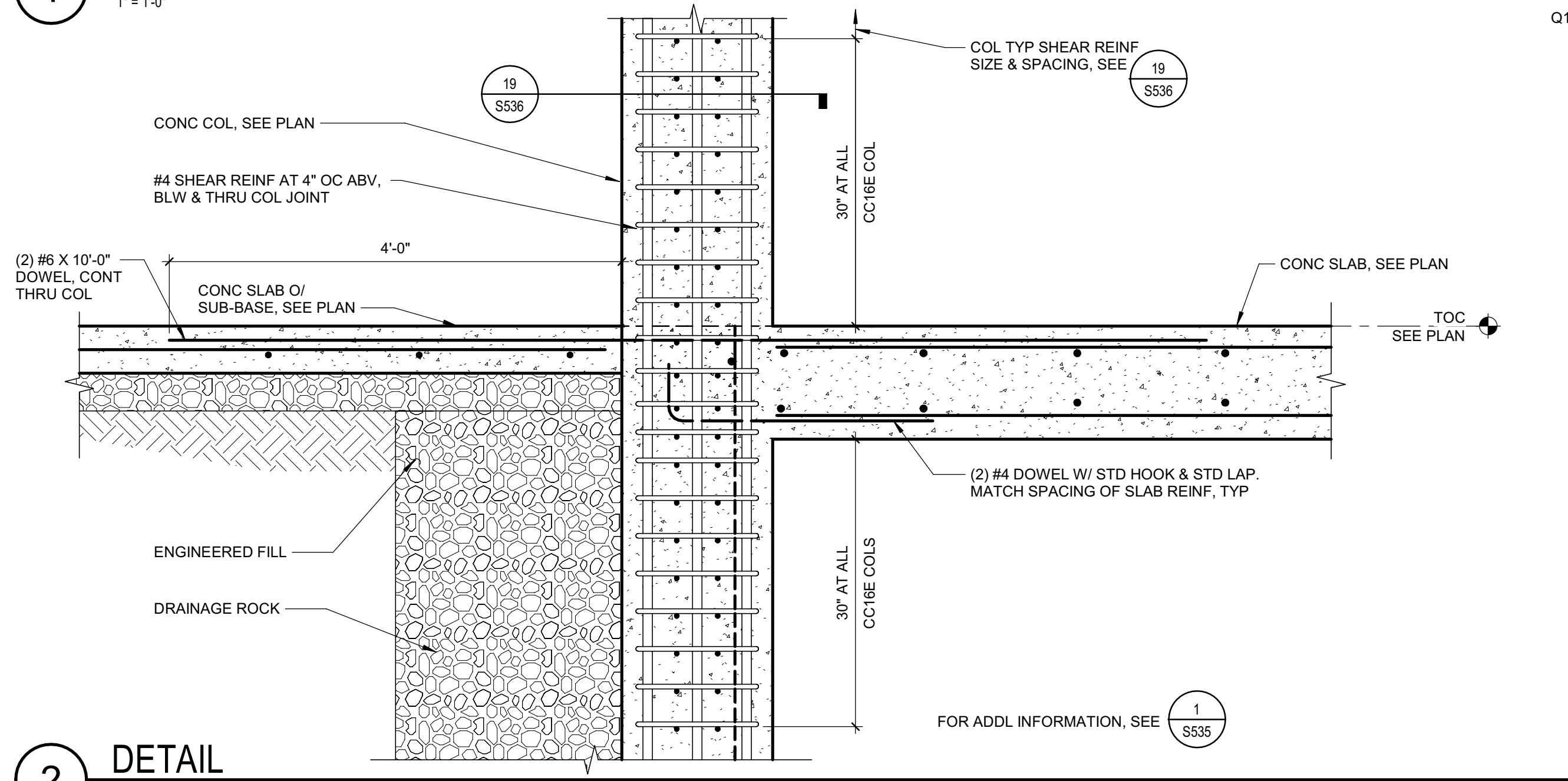




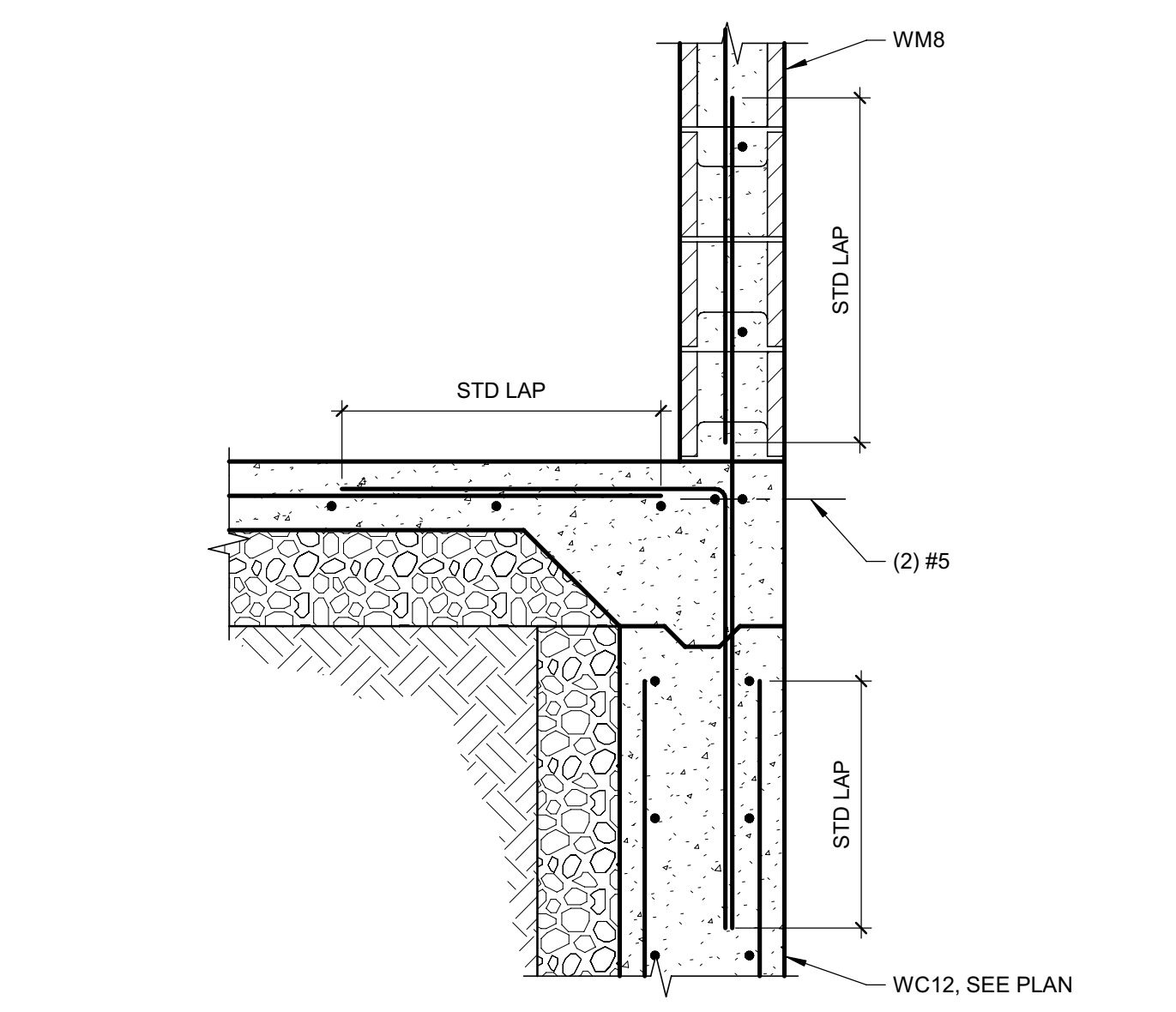
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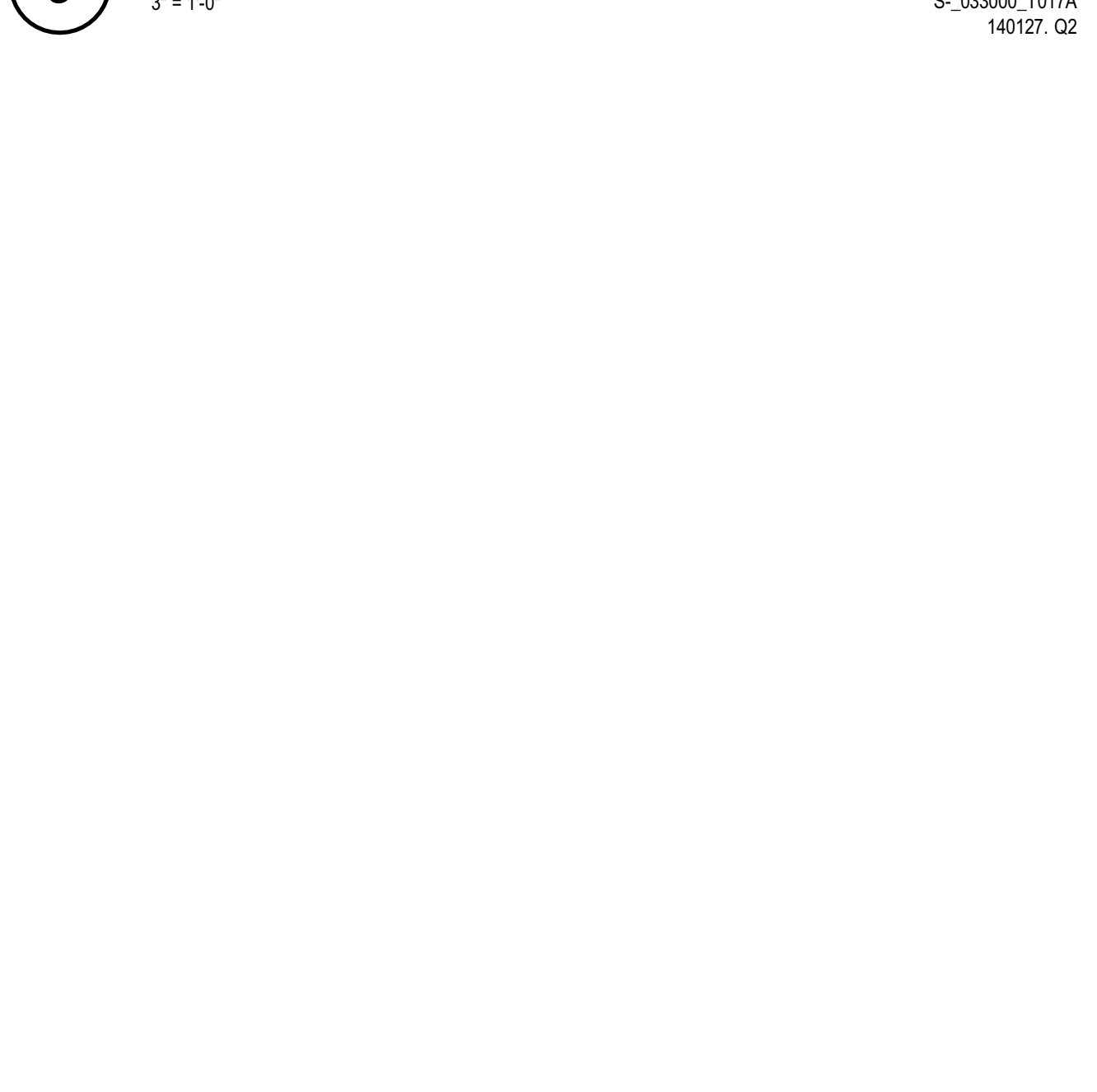
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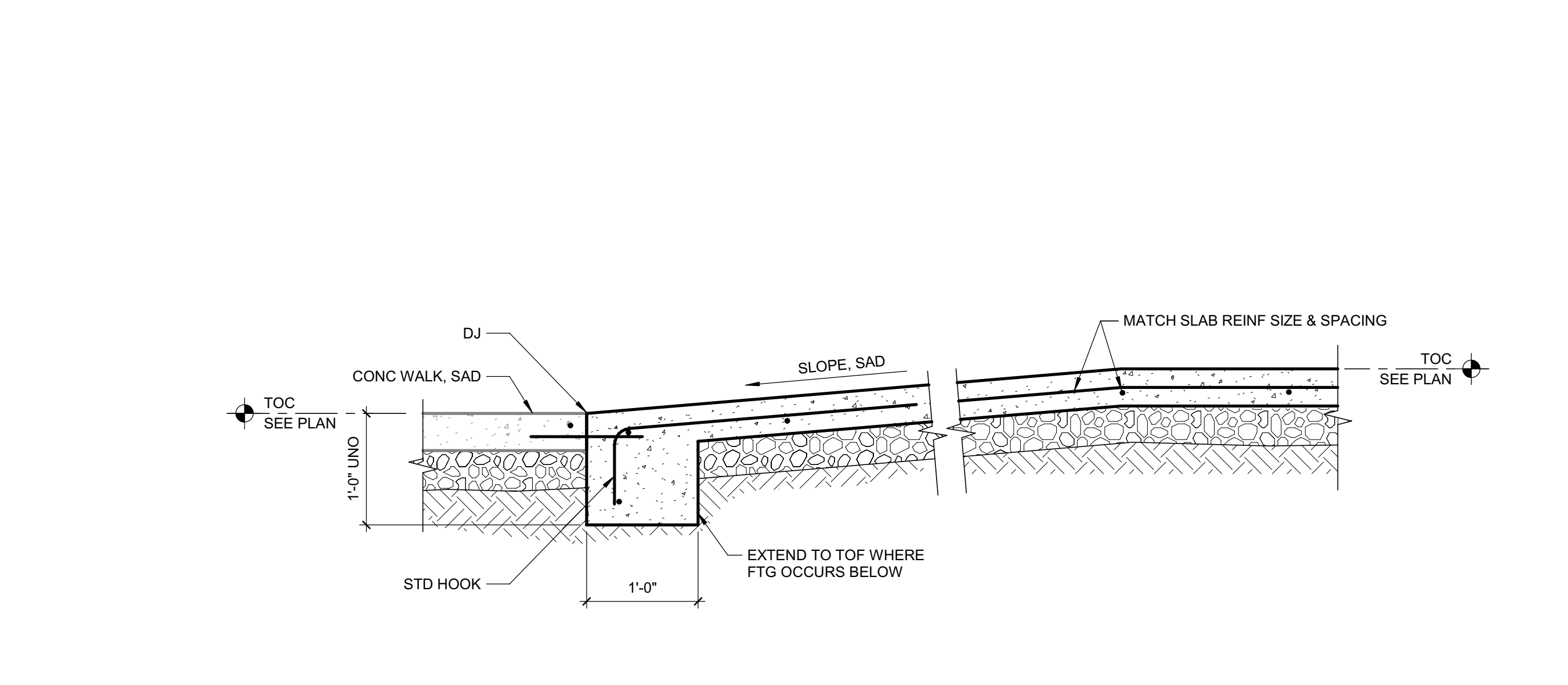
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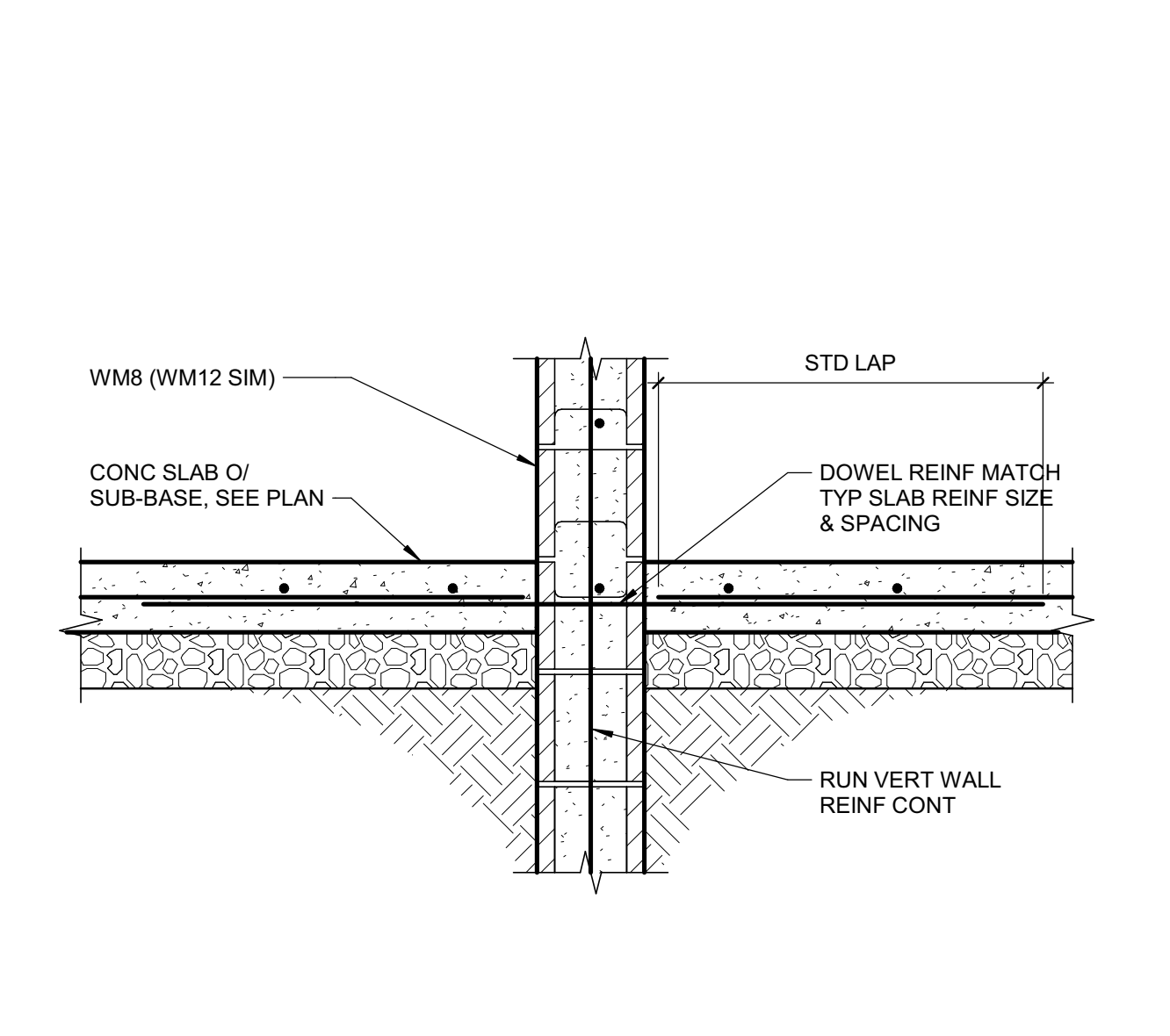
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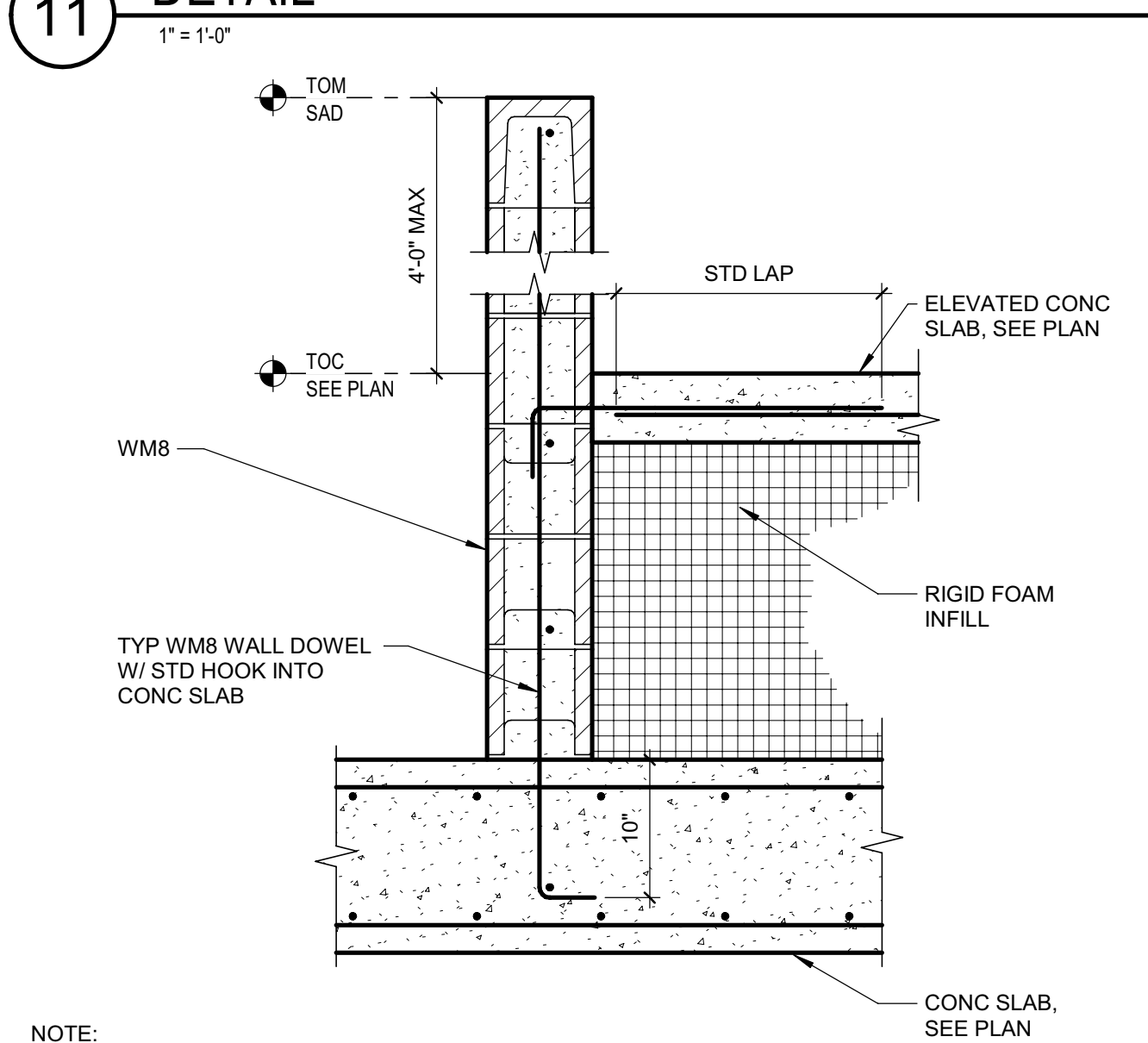
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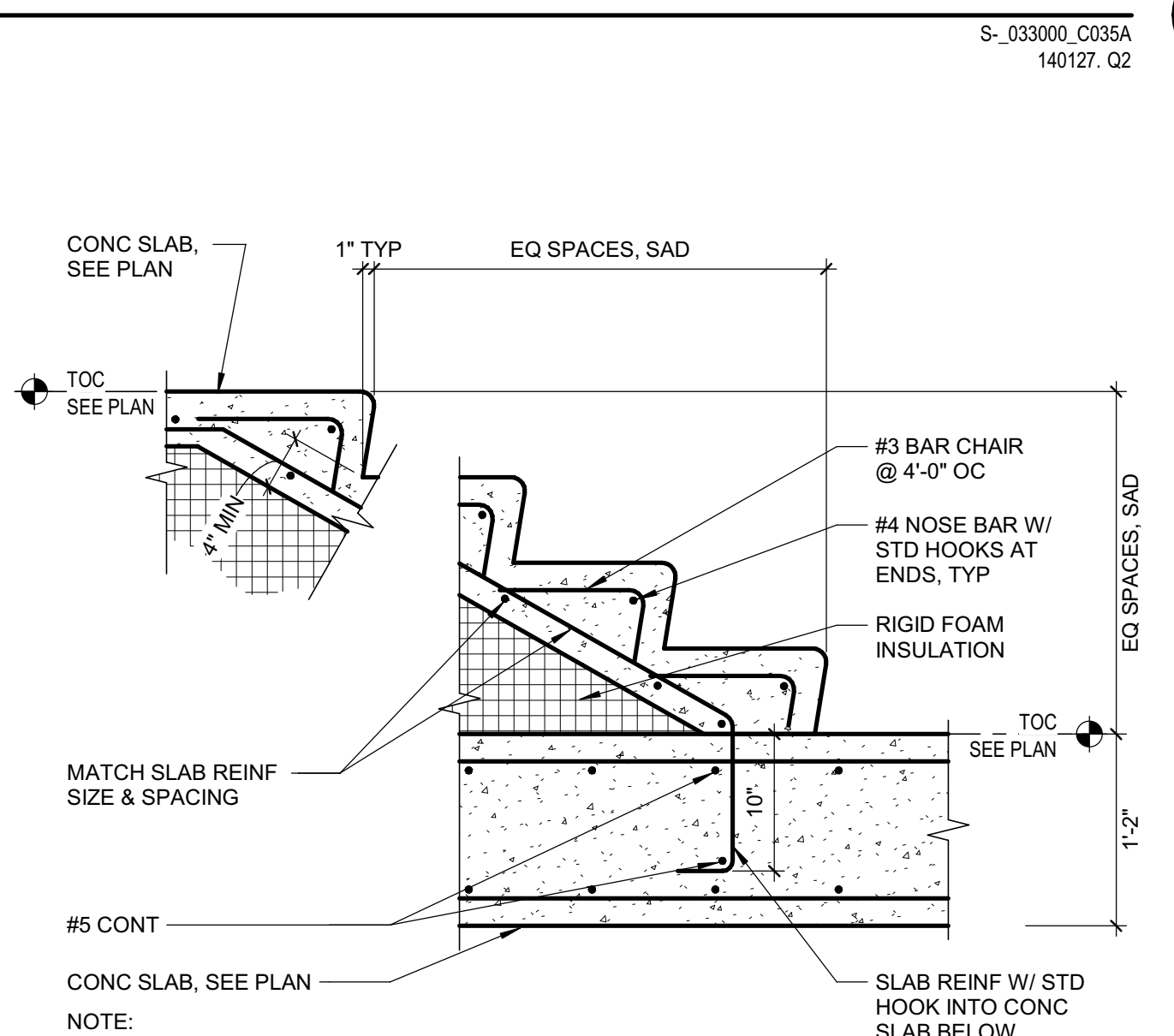
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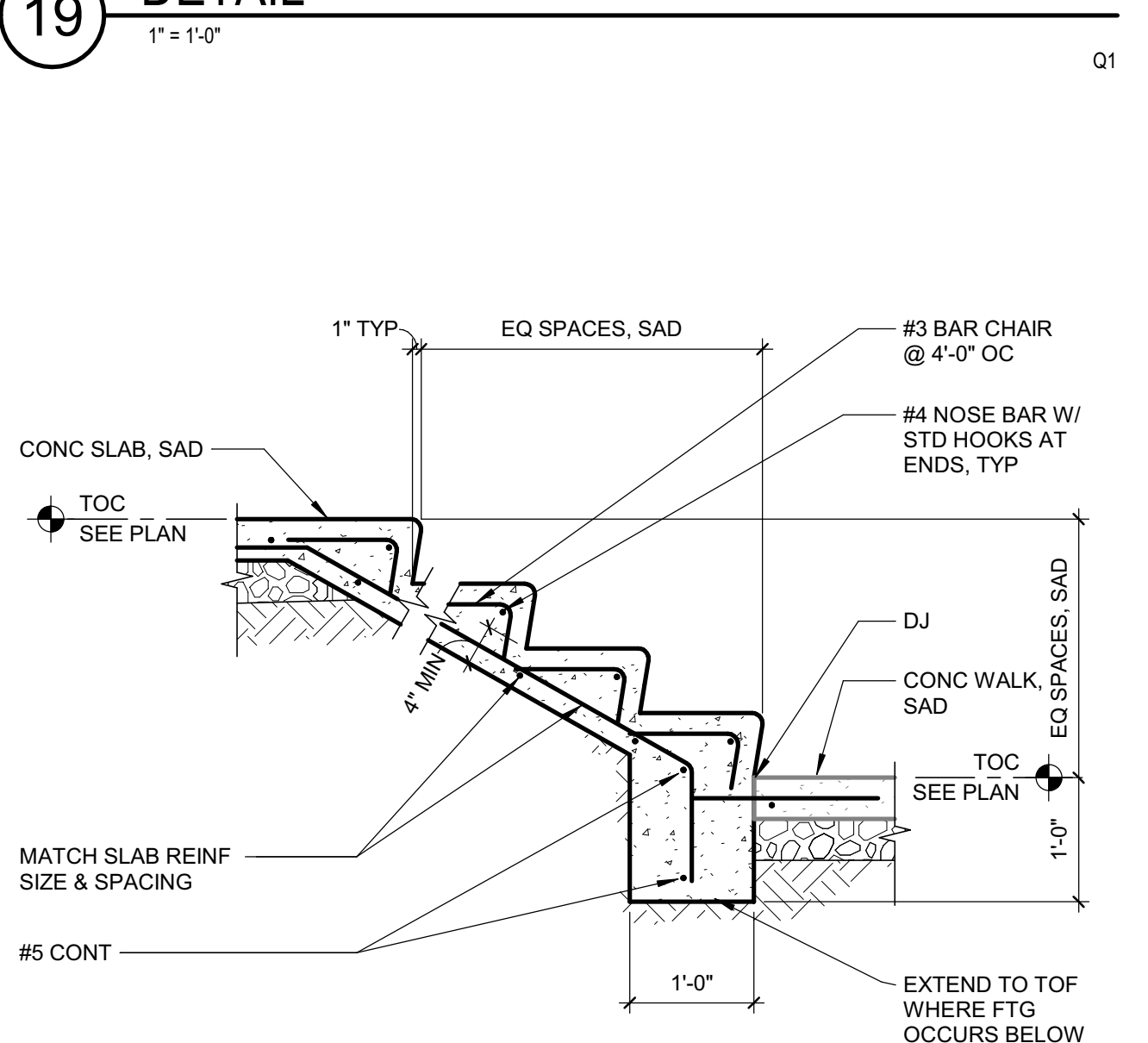
19 DETAIL  
1" = 1'-0"



12 DETAIL  
1" = 1'-0"



16 DETAIL  
1" = 1'-0"



20 DETAIL  
3/4" = 1'-0"



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PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
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929 5th STREET  
EUREKA, CA 95501

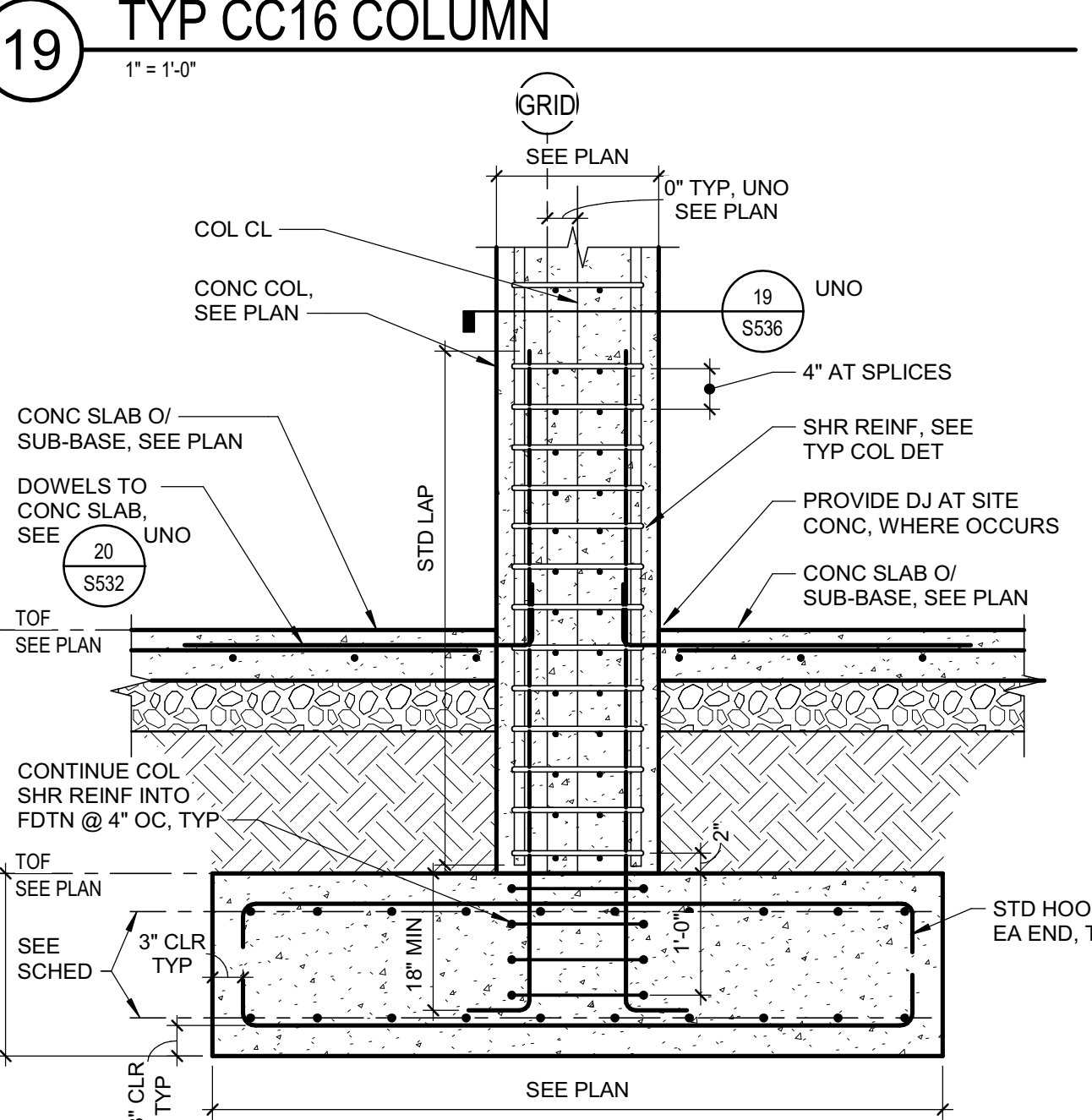
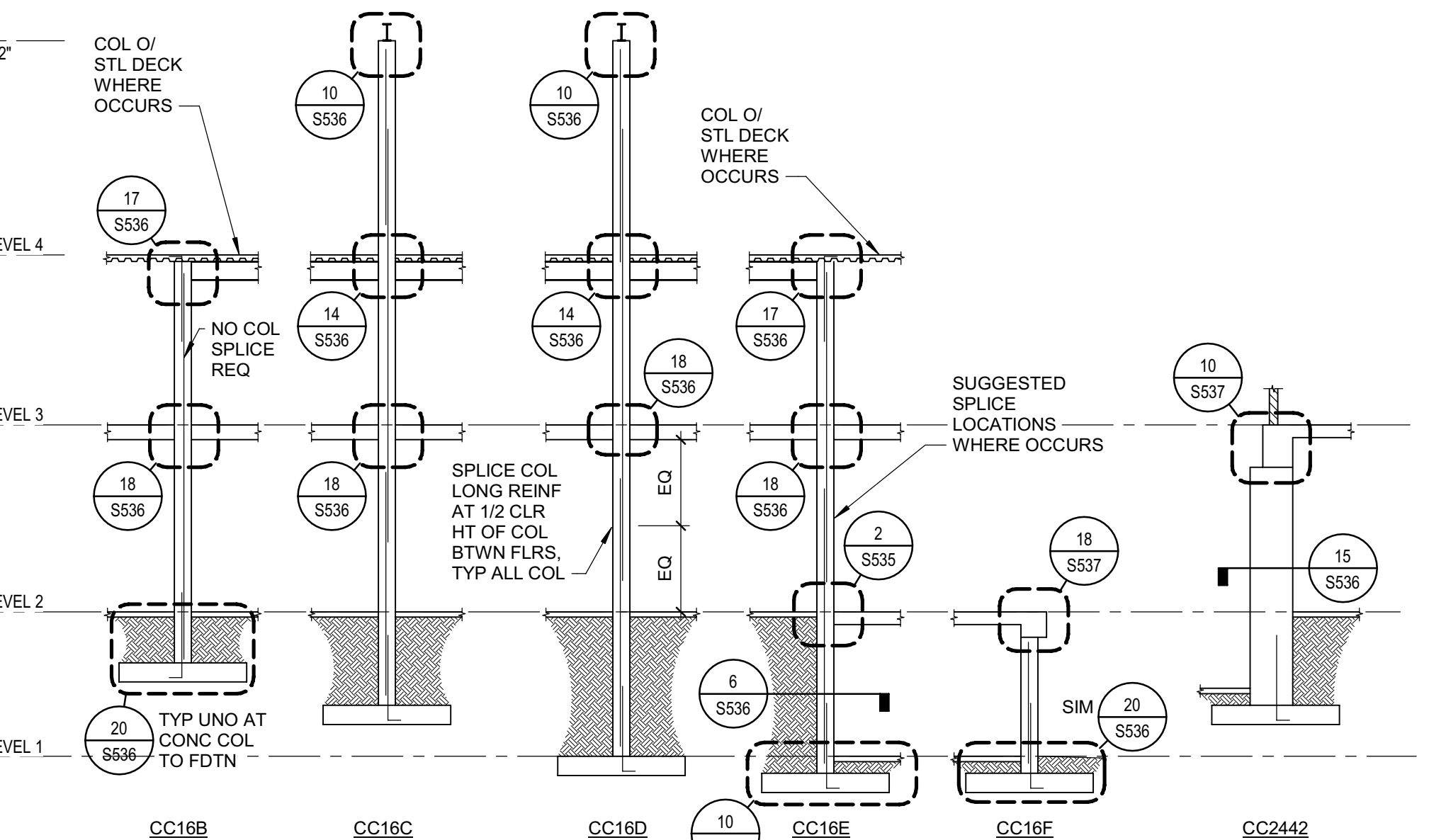
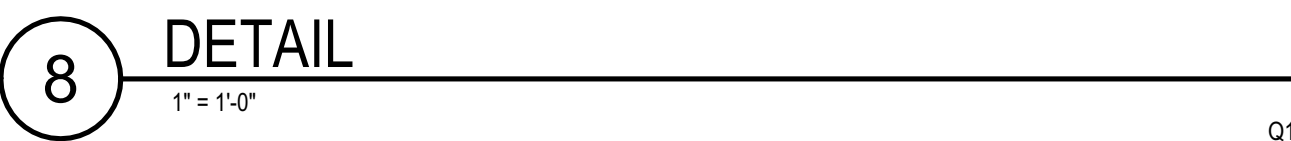
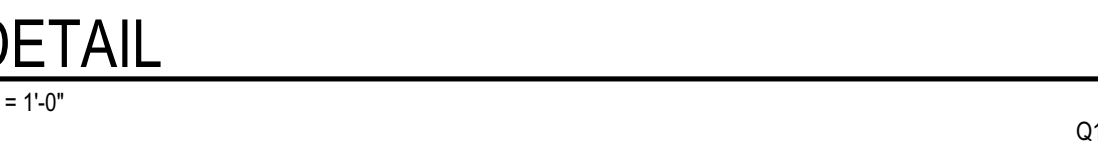
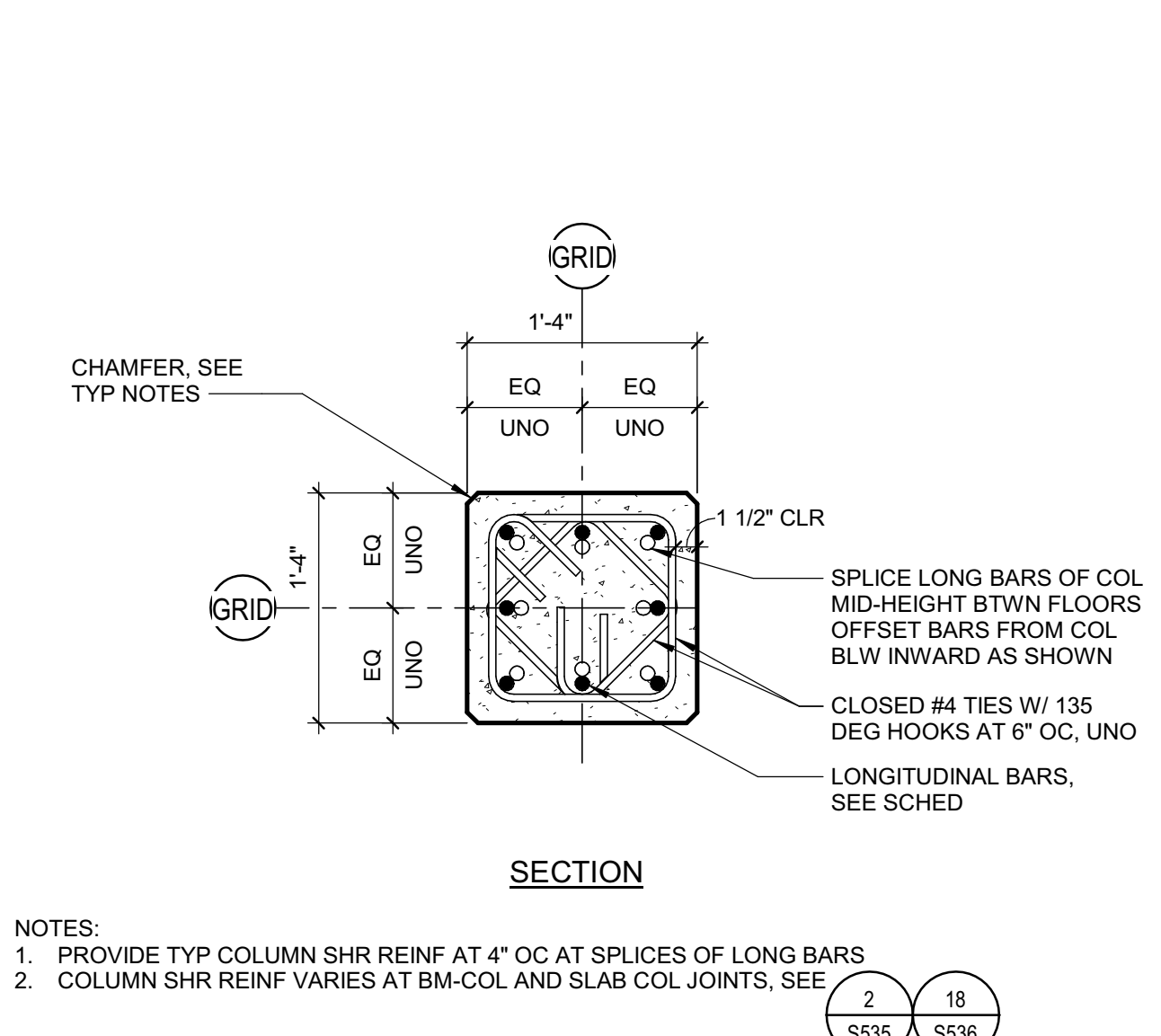
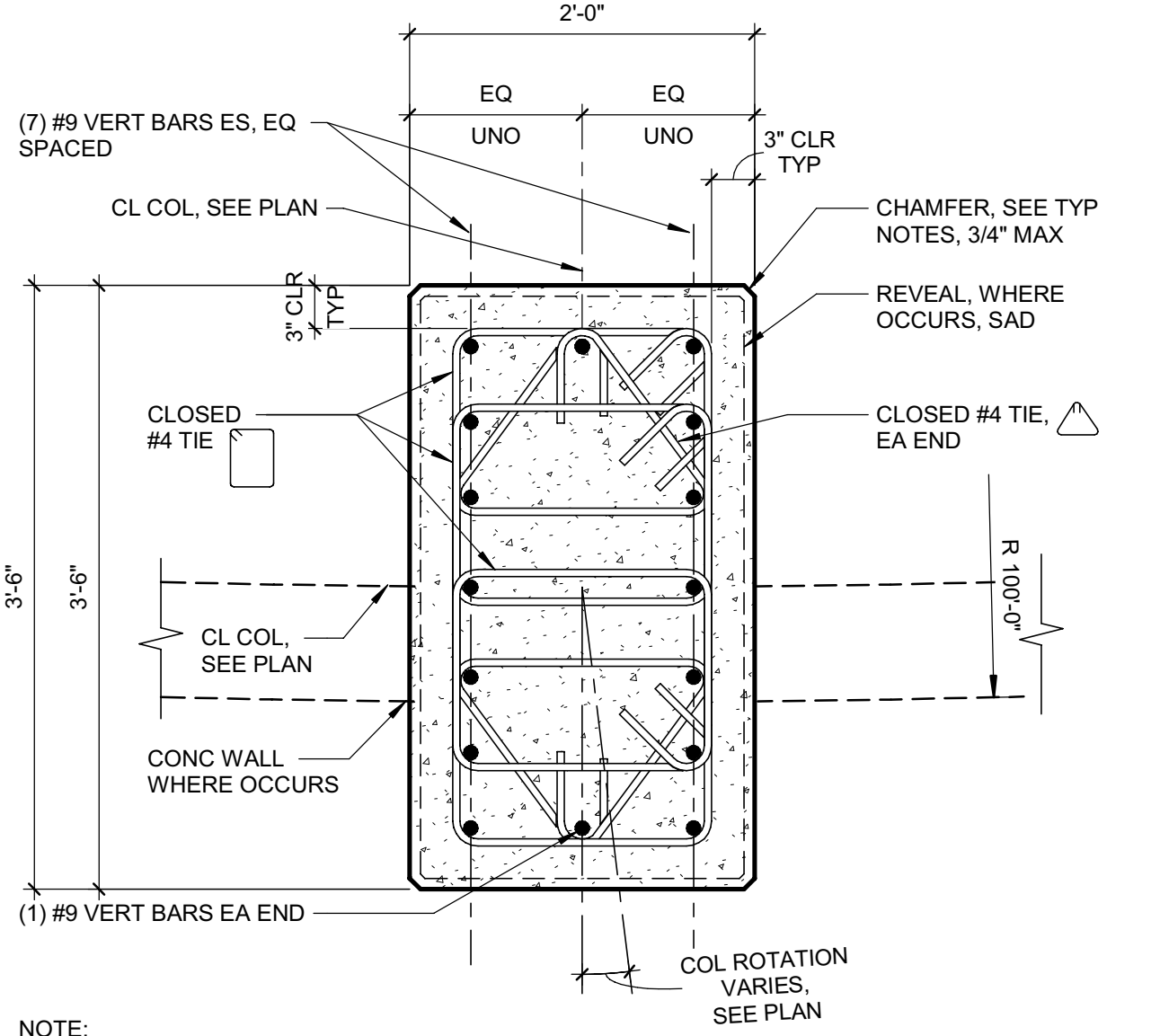
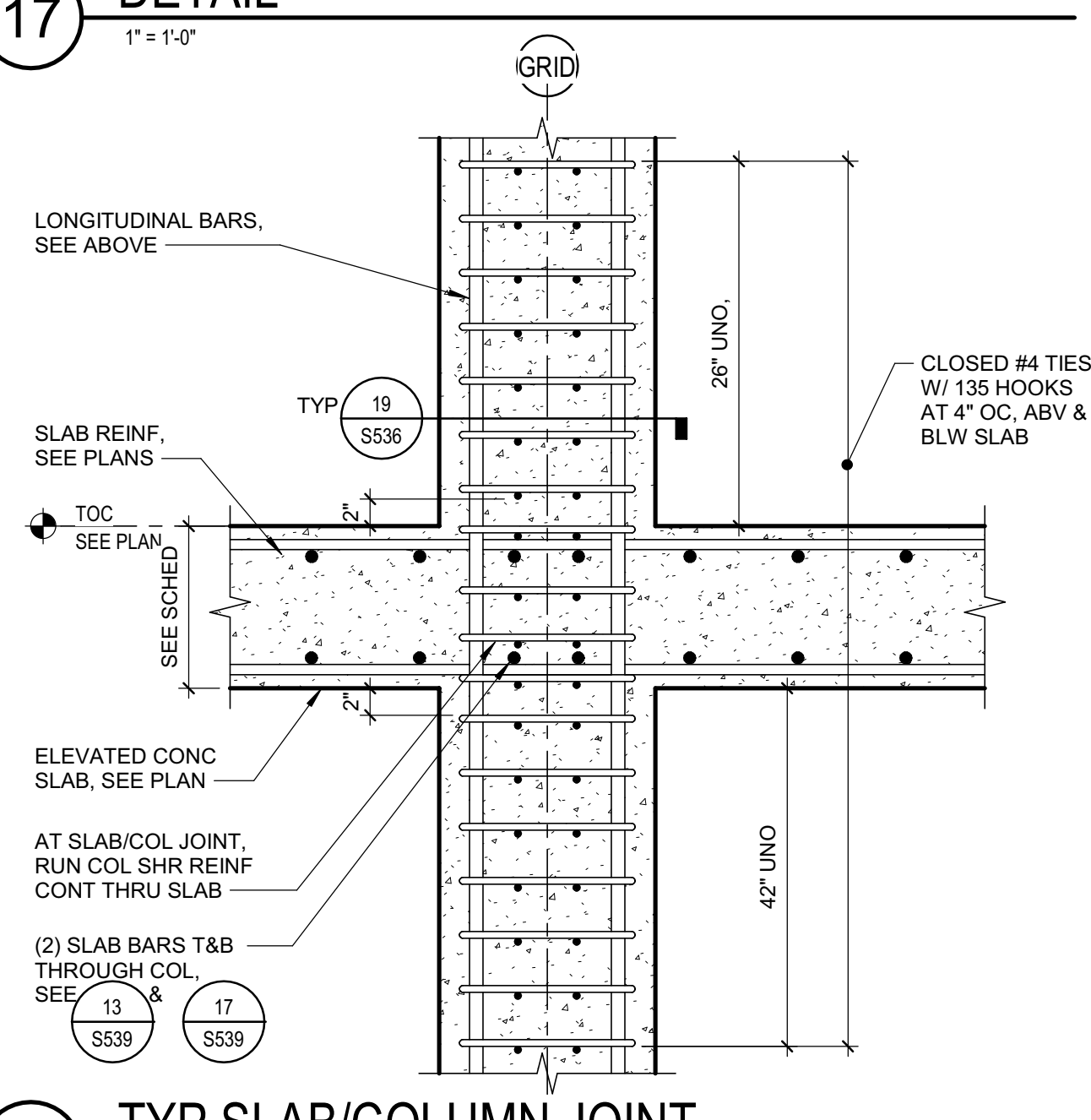
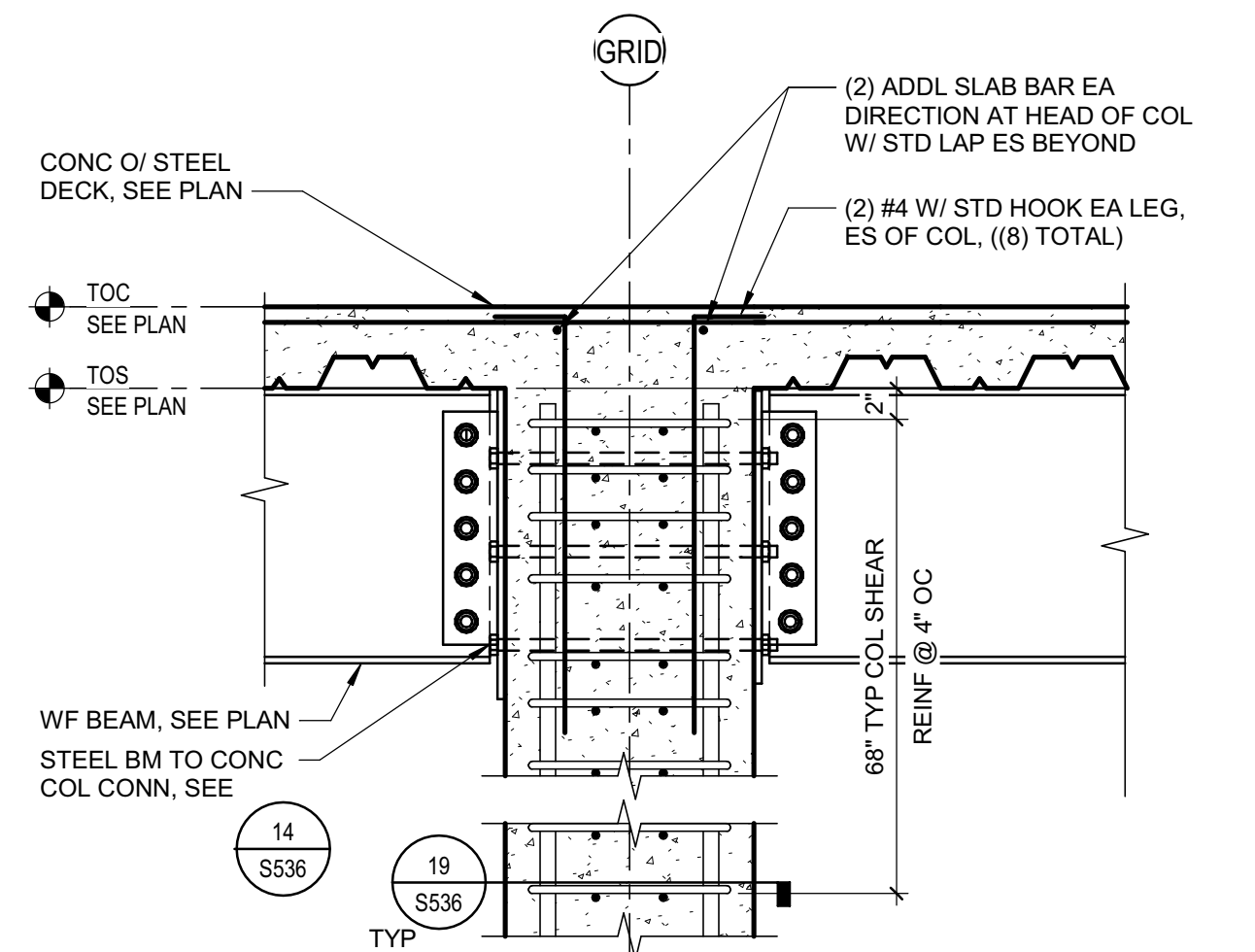
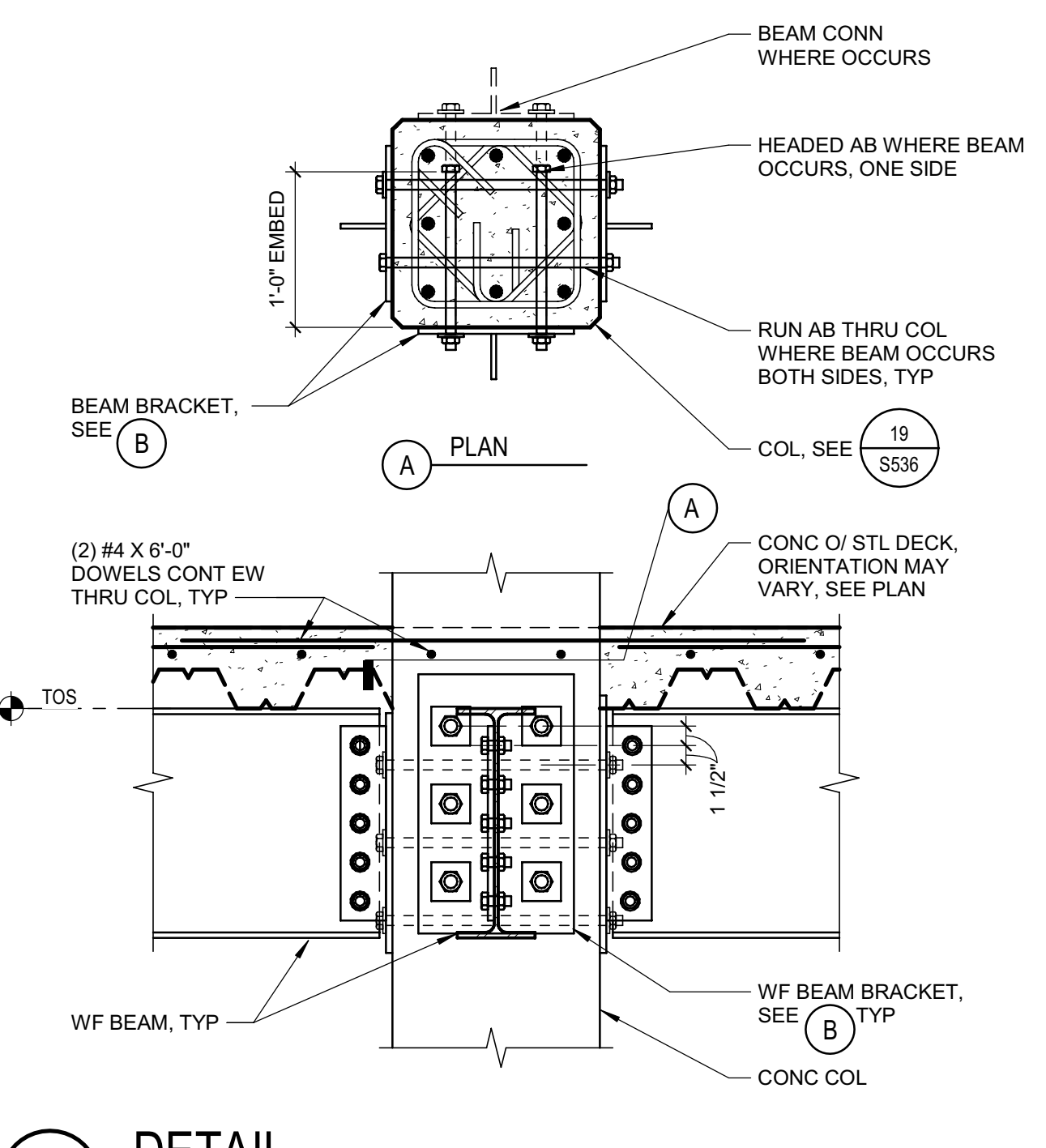
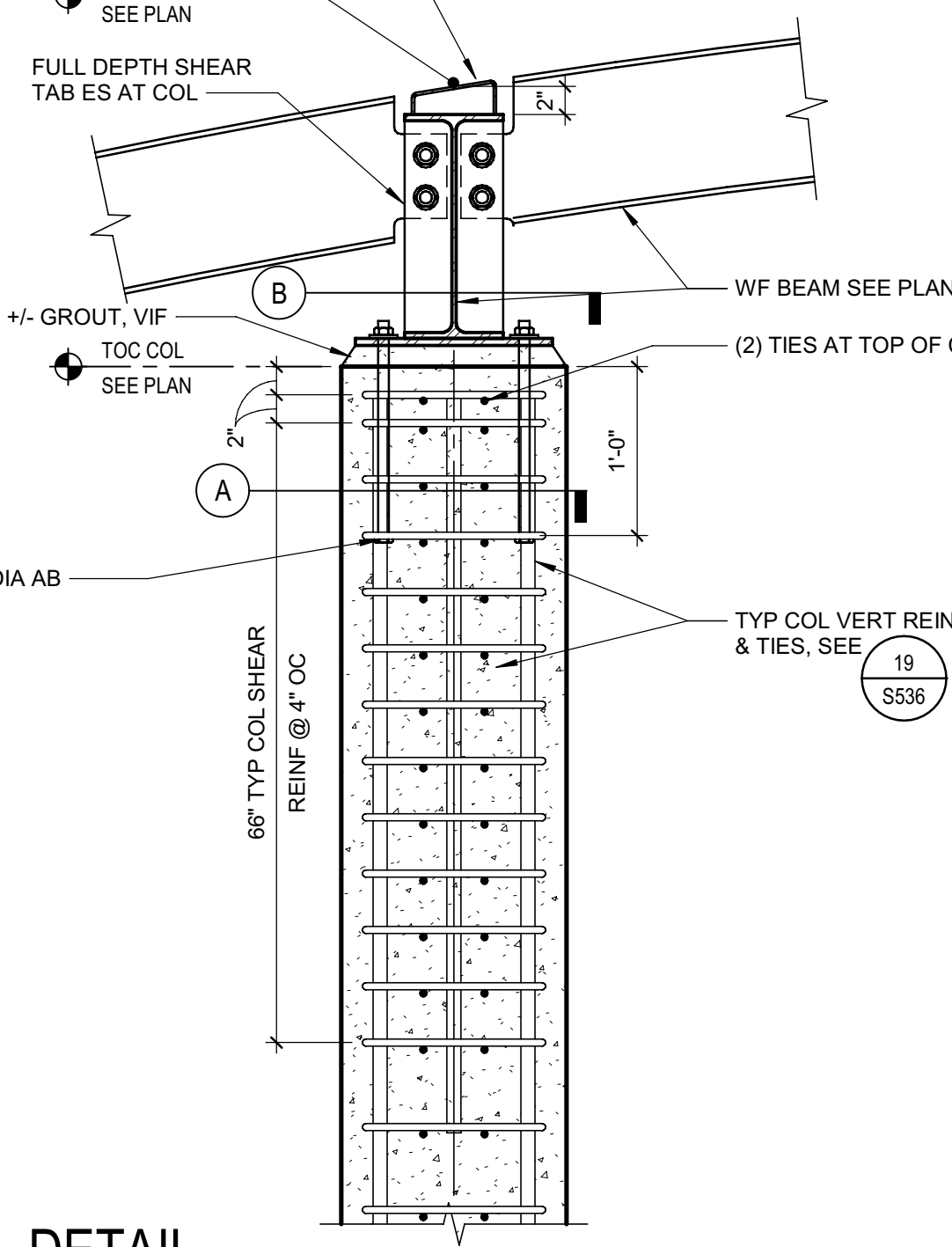
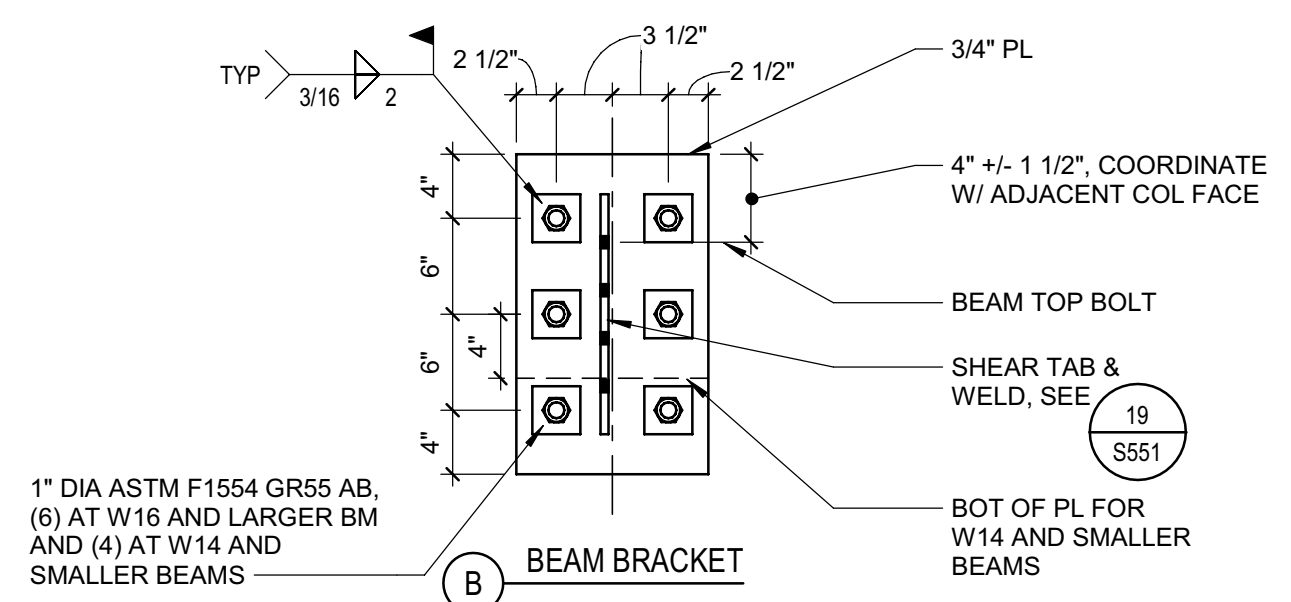
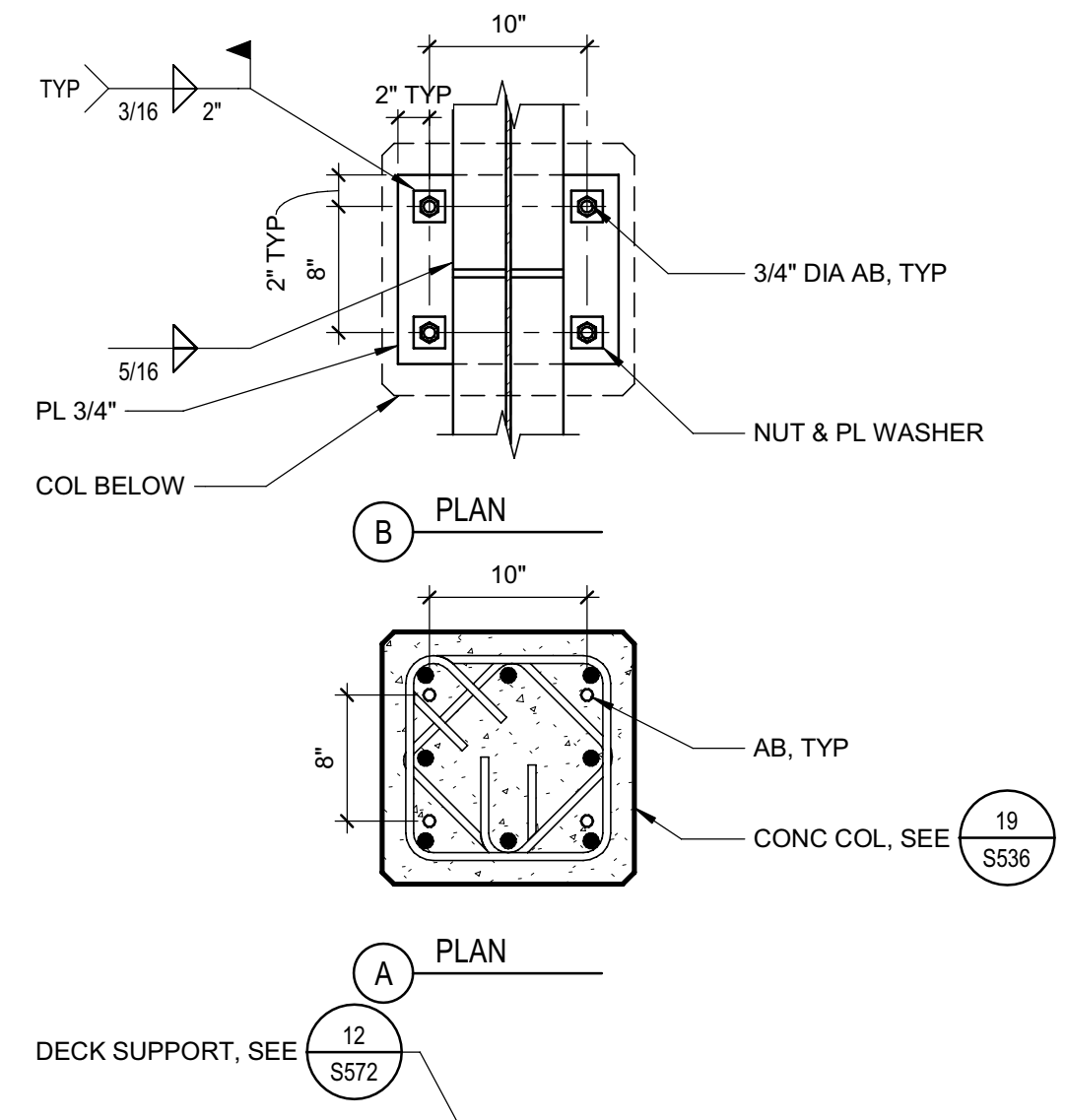
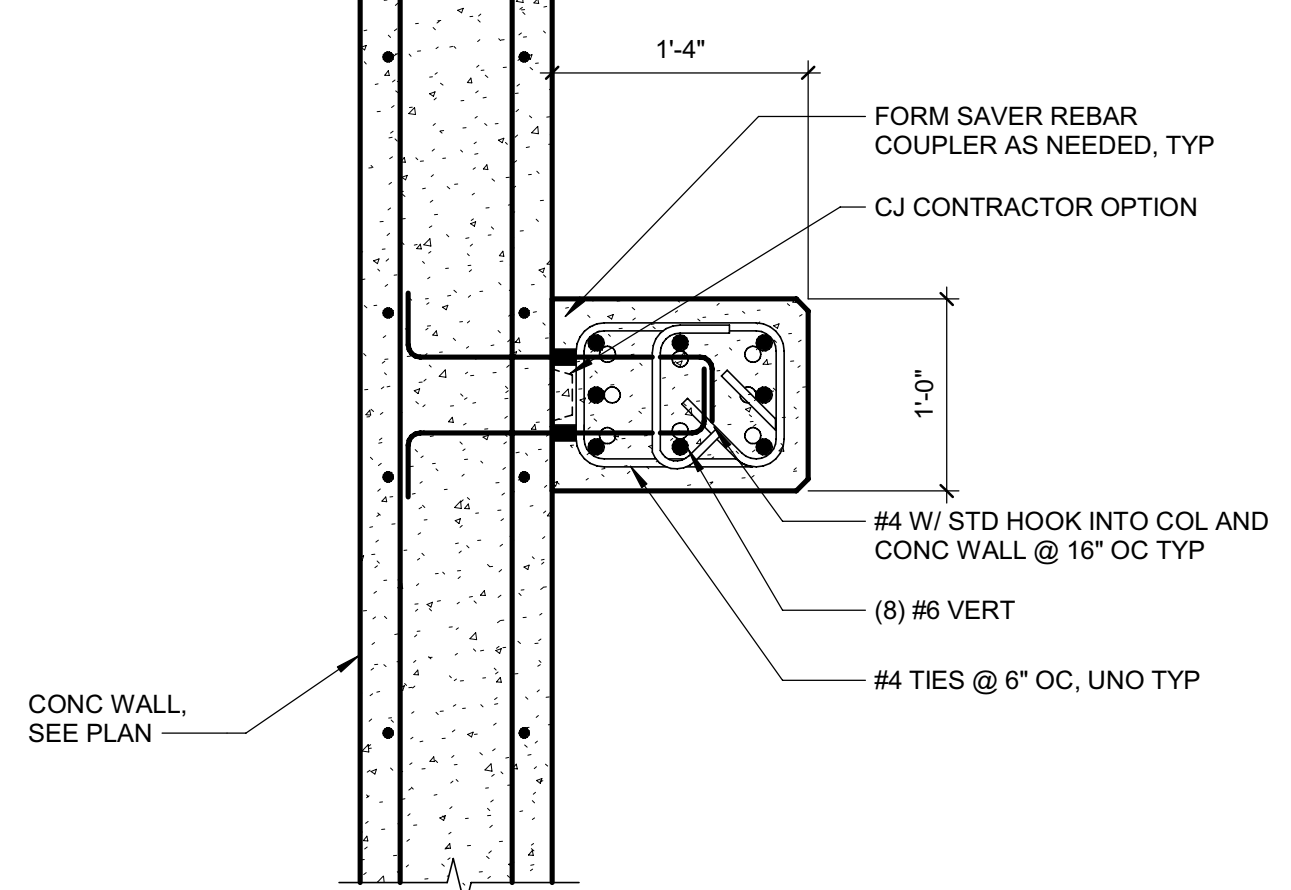
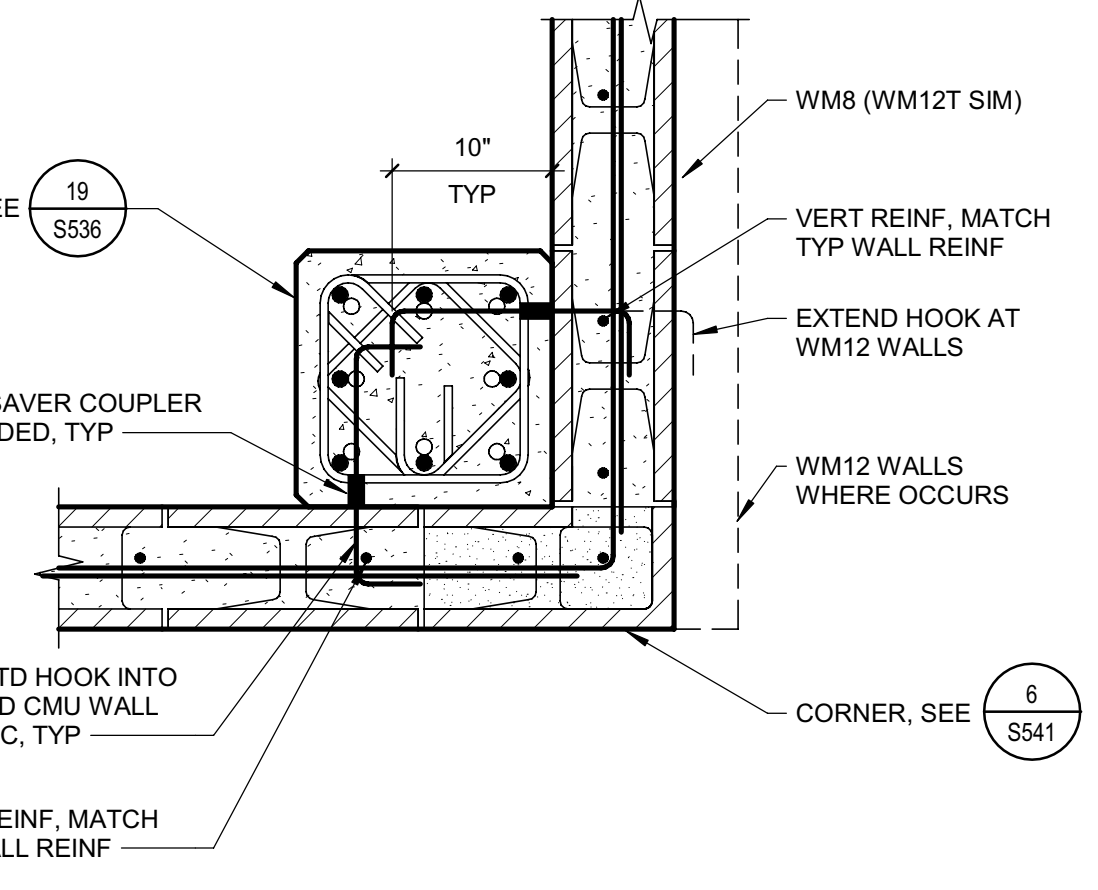
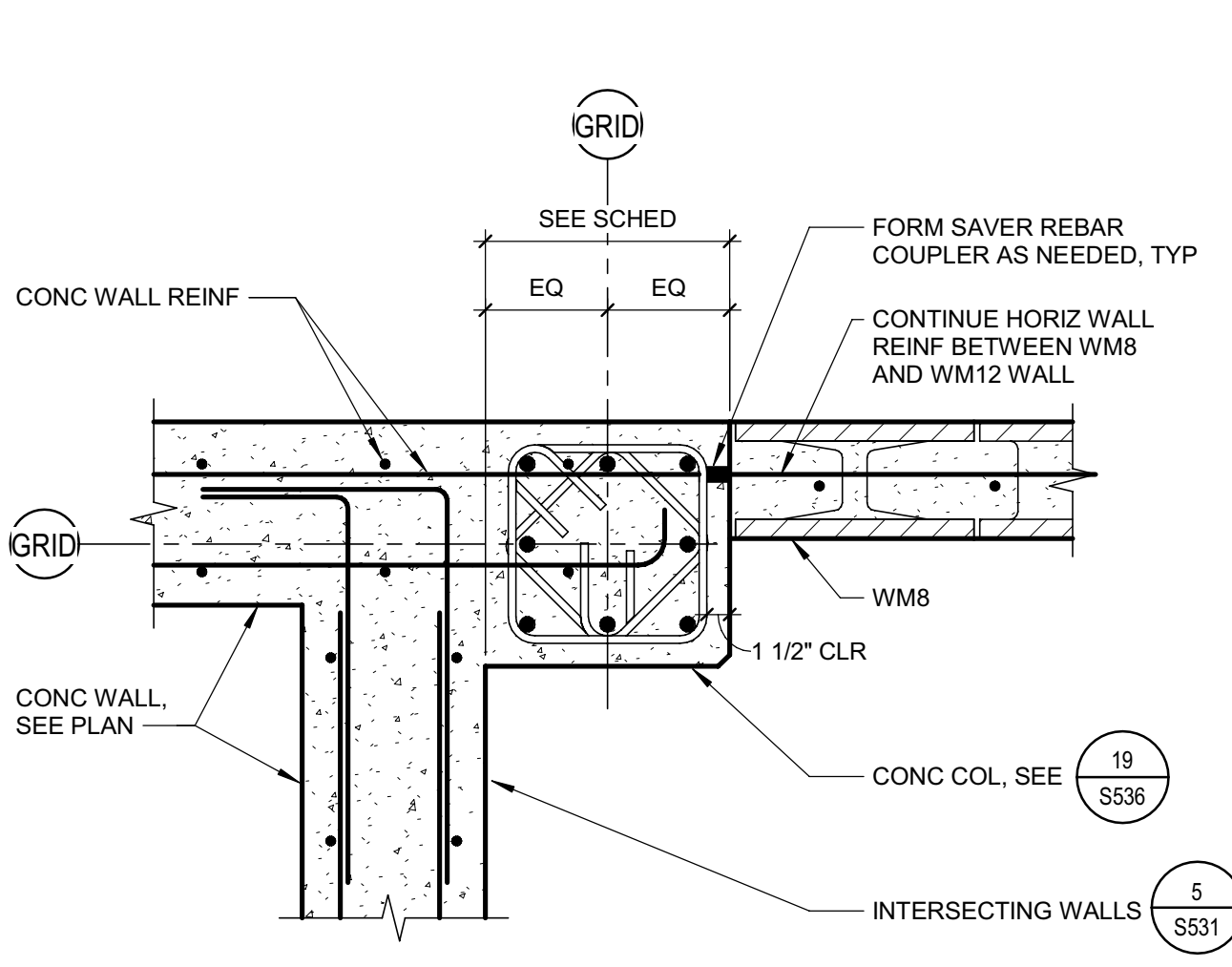
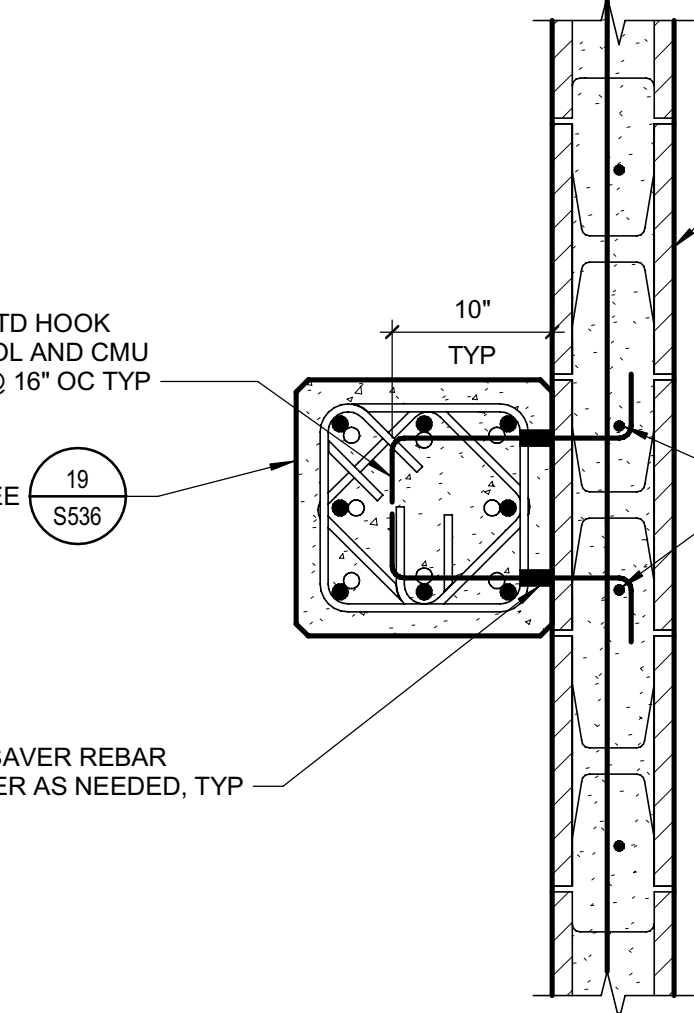
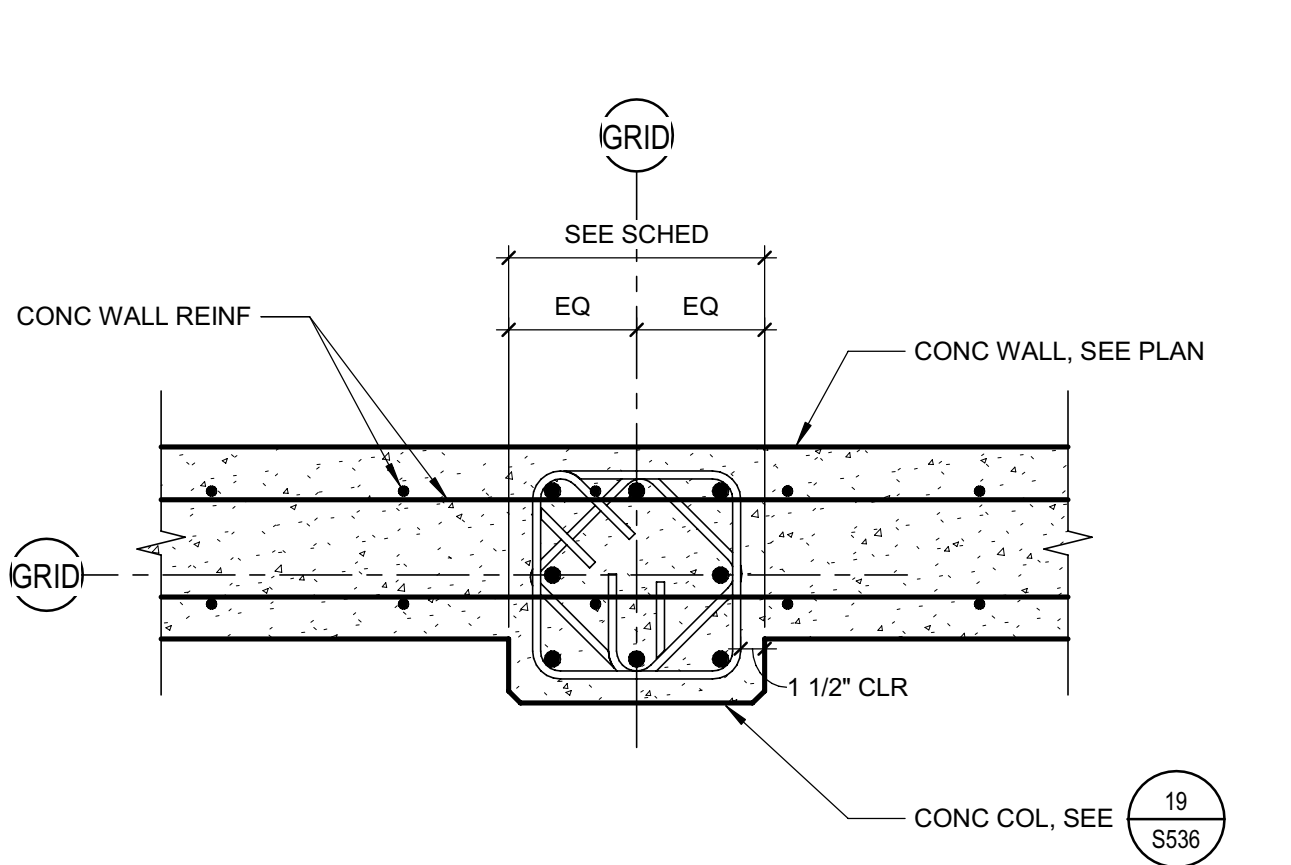
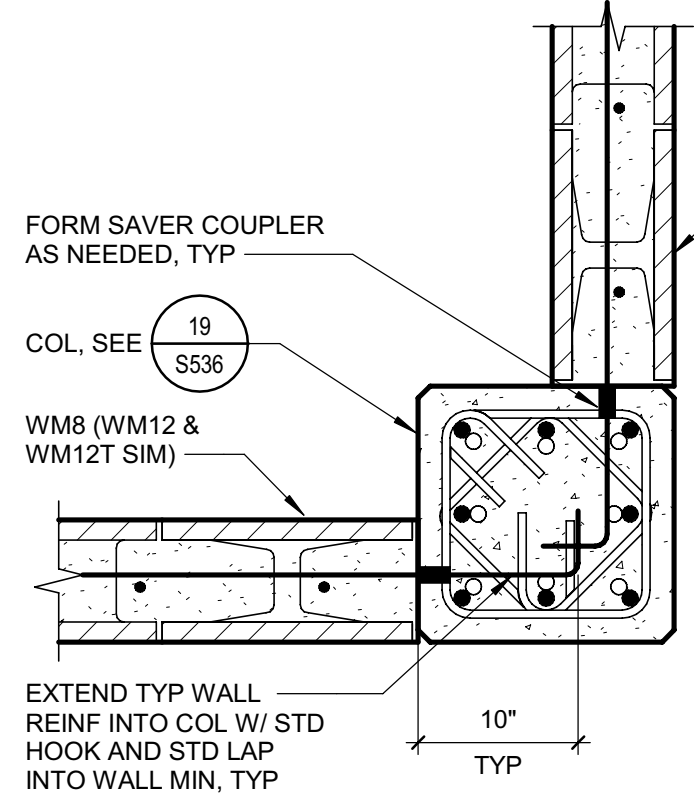
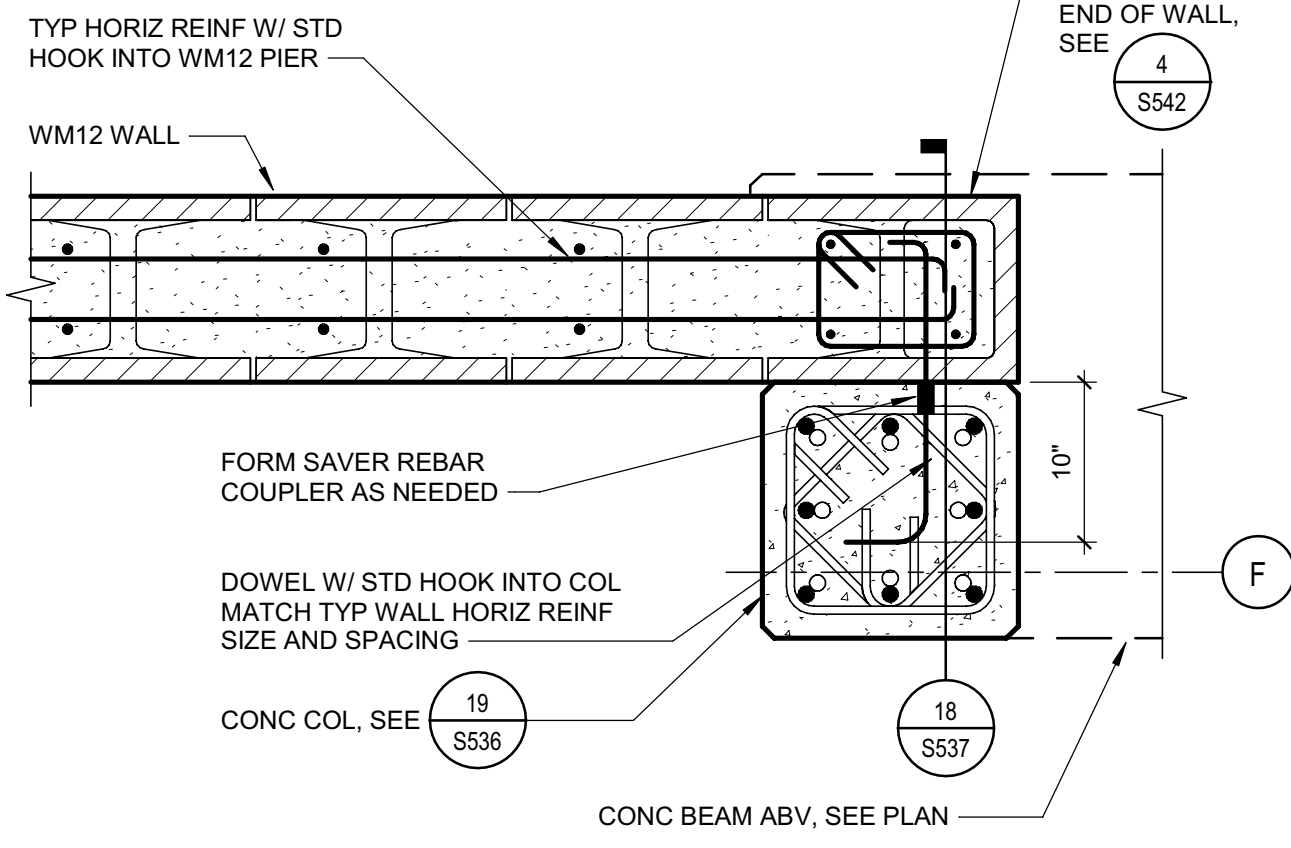
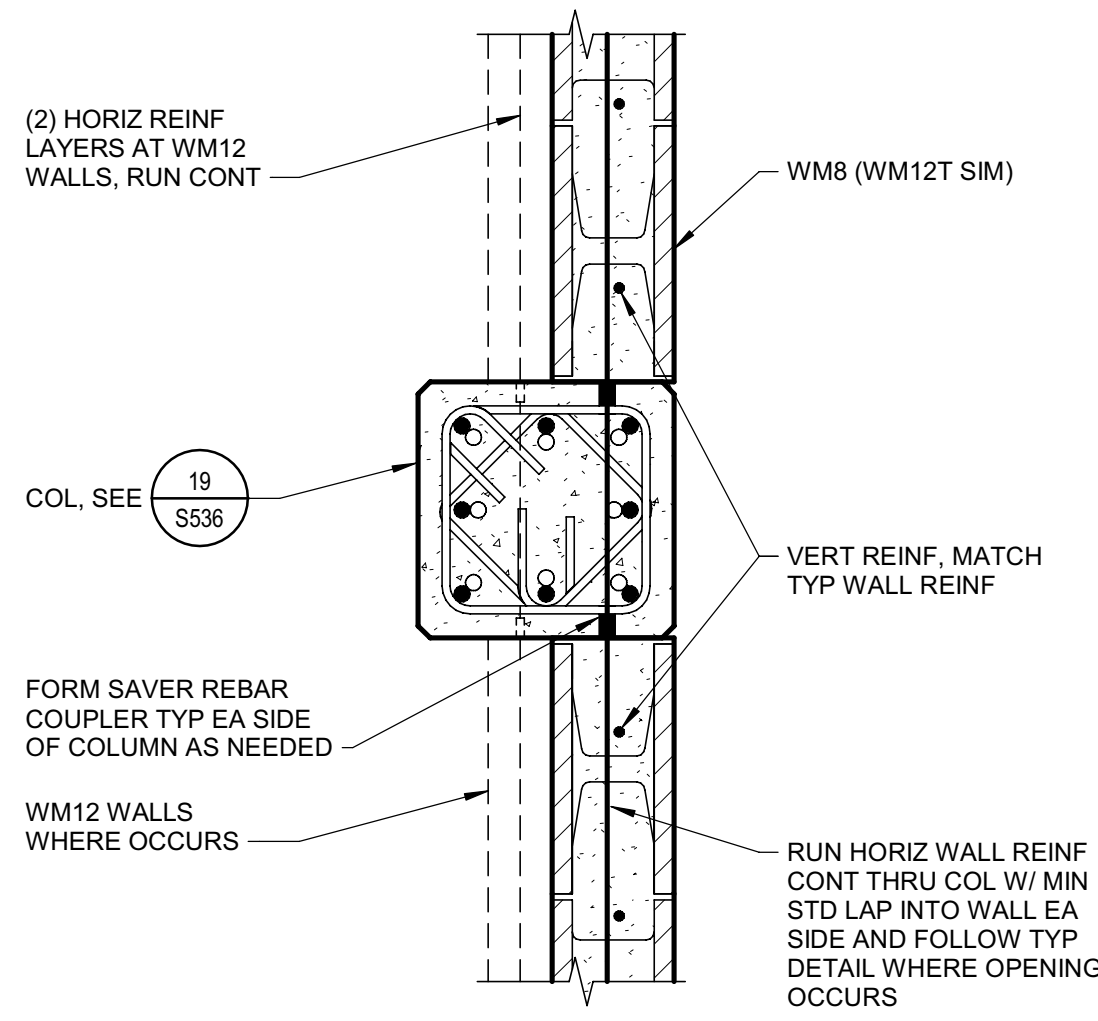
DETAILS - CONCRETE

DRAWING STATUS  
WORKING DRAWINGS

REVISIONS		
Symt.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

SHEET No.  
**S535 V4**



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PROJECT NAME  
HUMBOLDT COUNTY  
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CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER  
929 5th STREET  
EUREKA, CA 95501

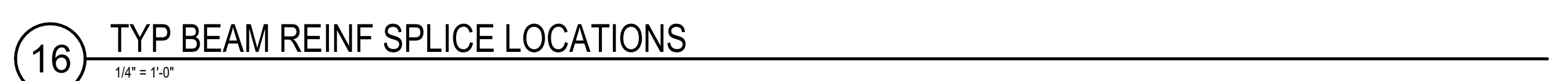
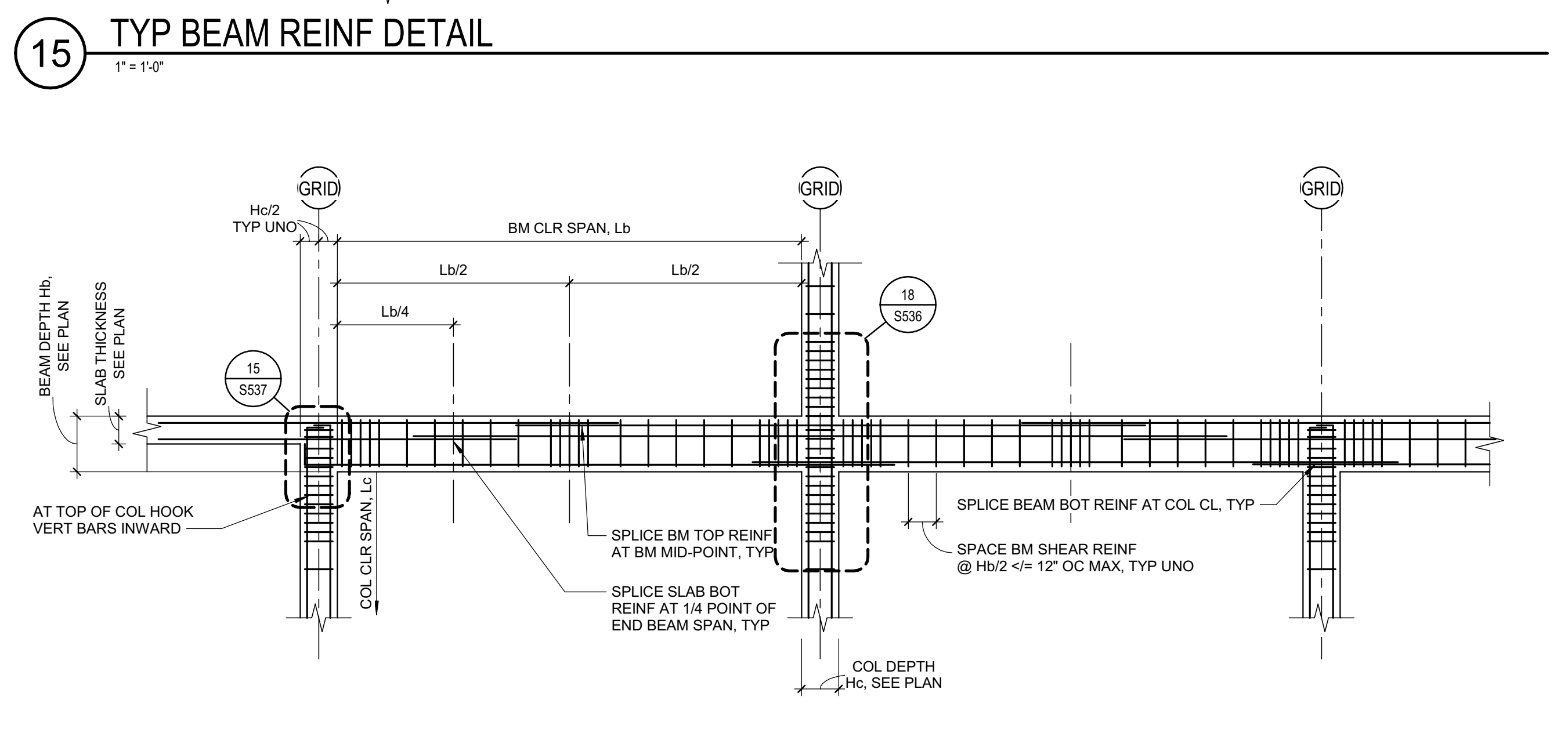
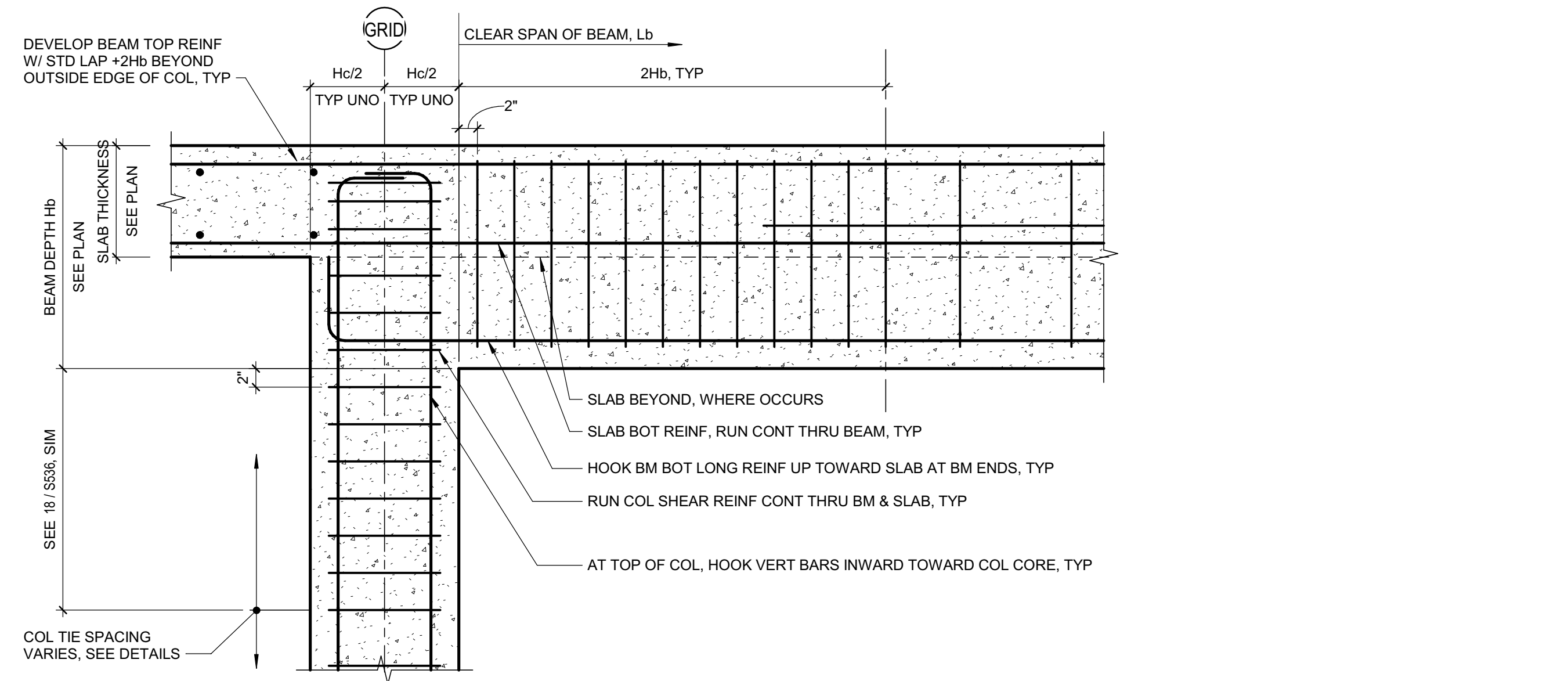
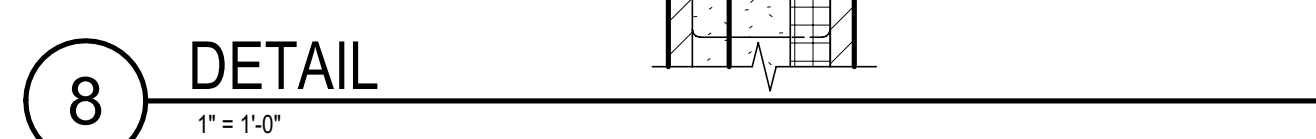
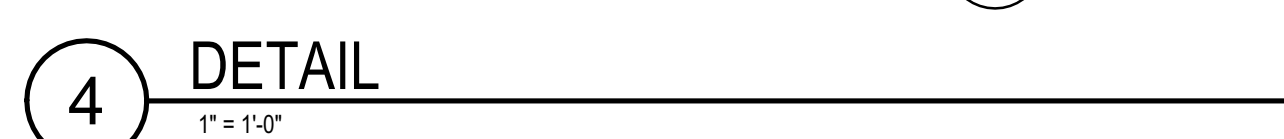
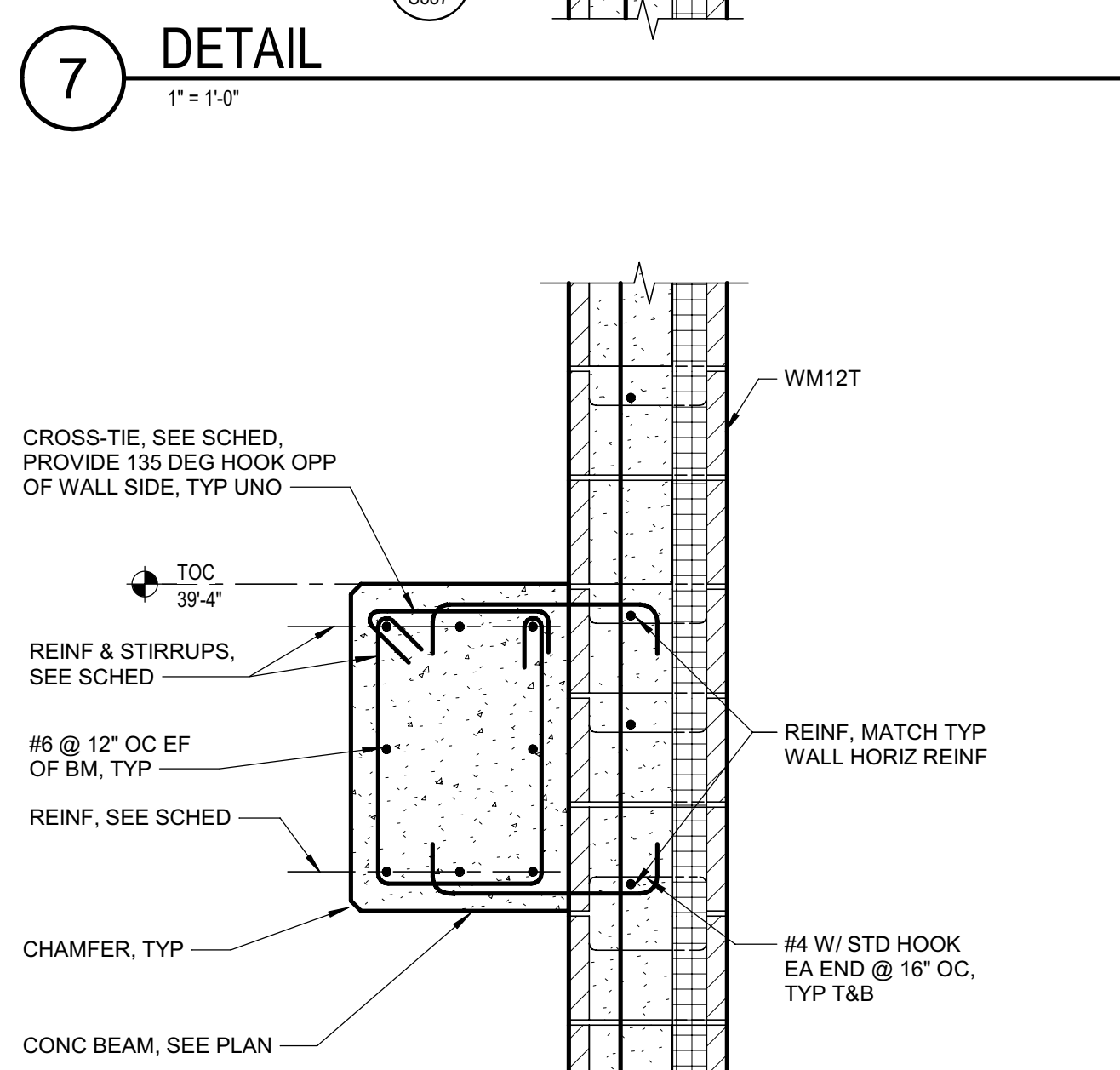
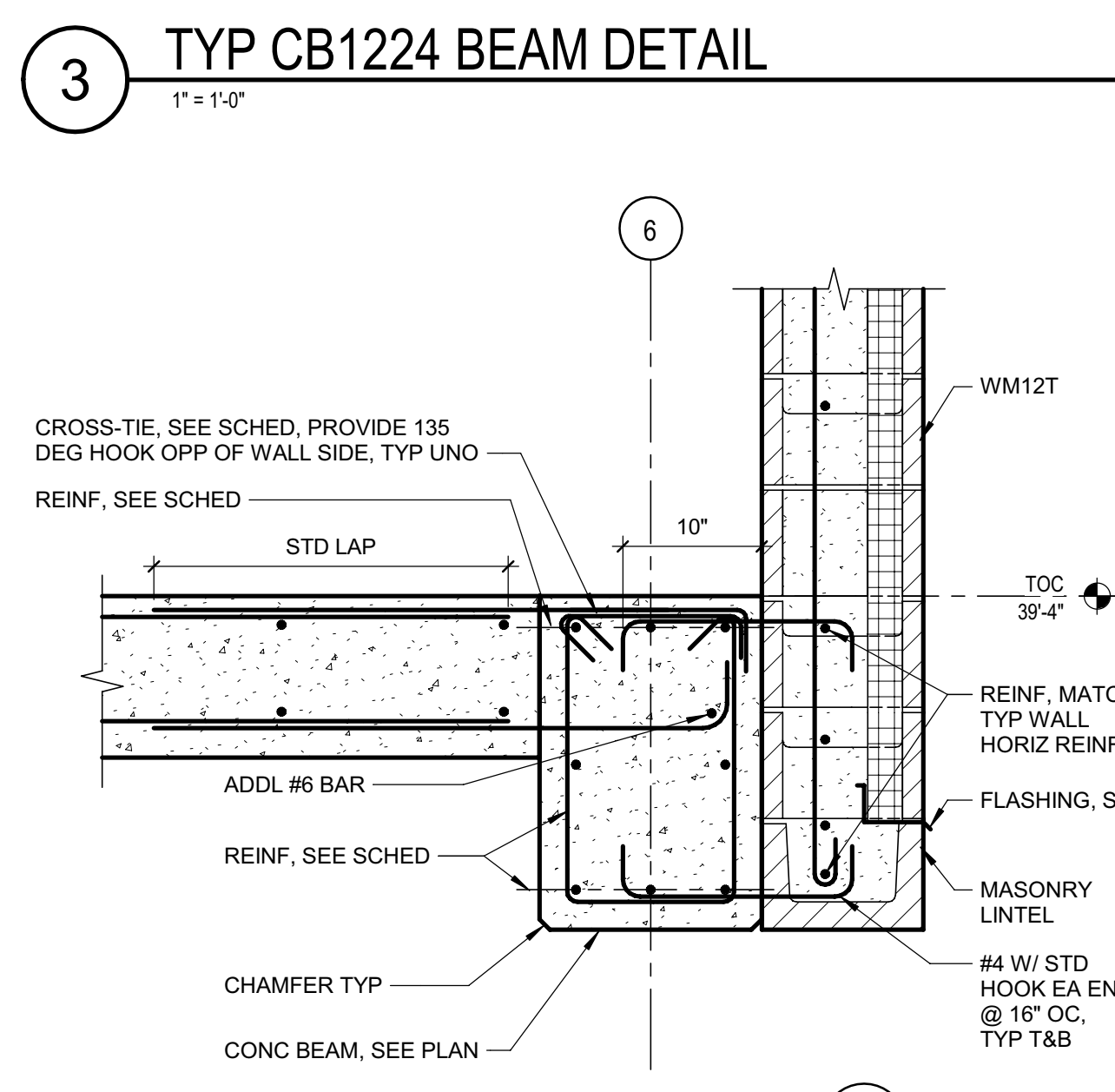
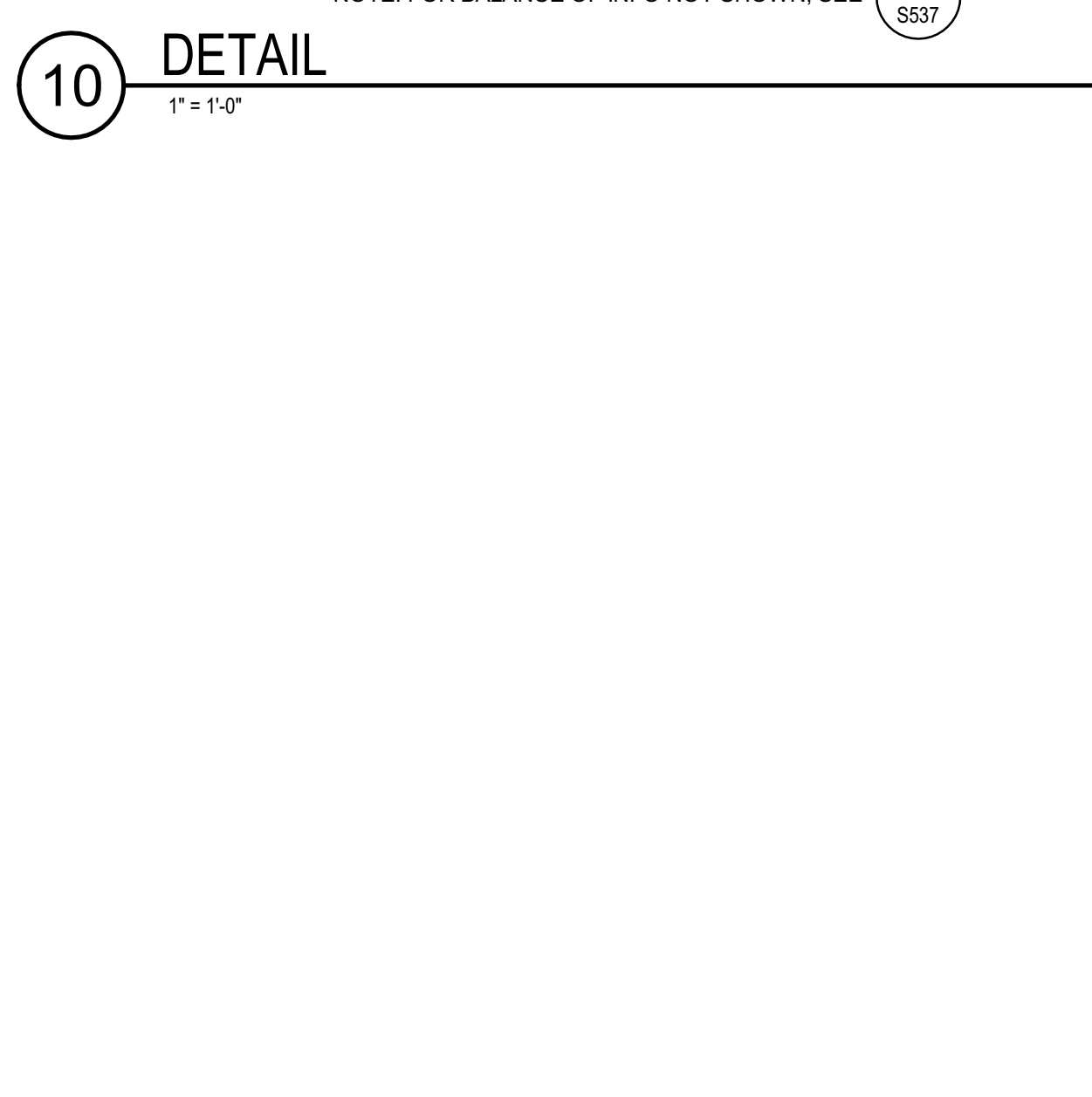
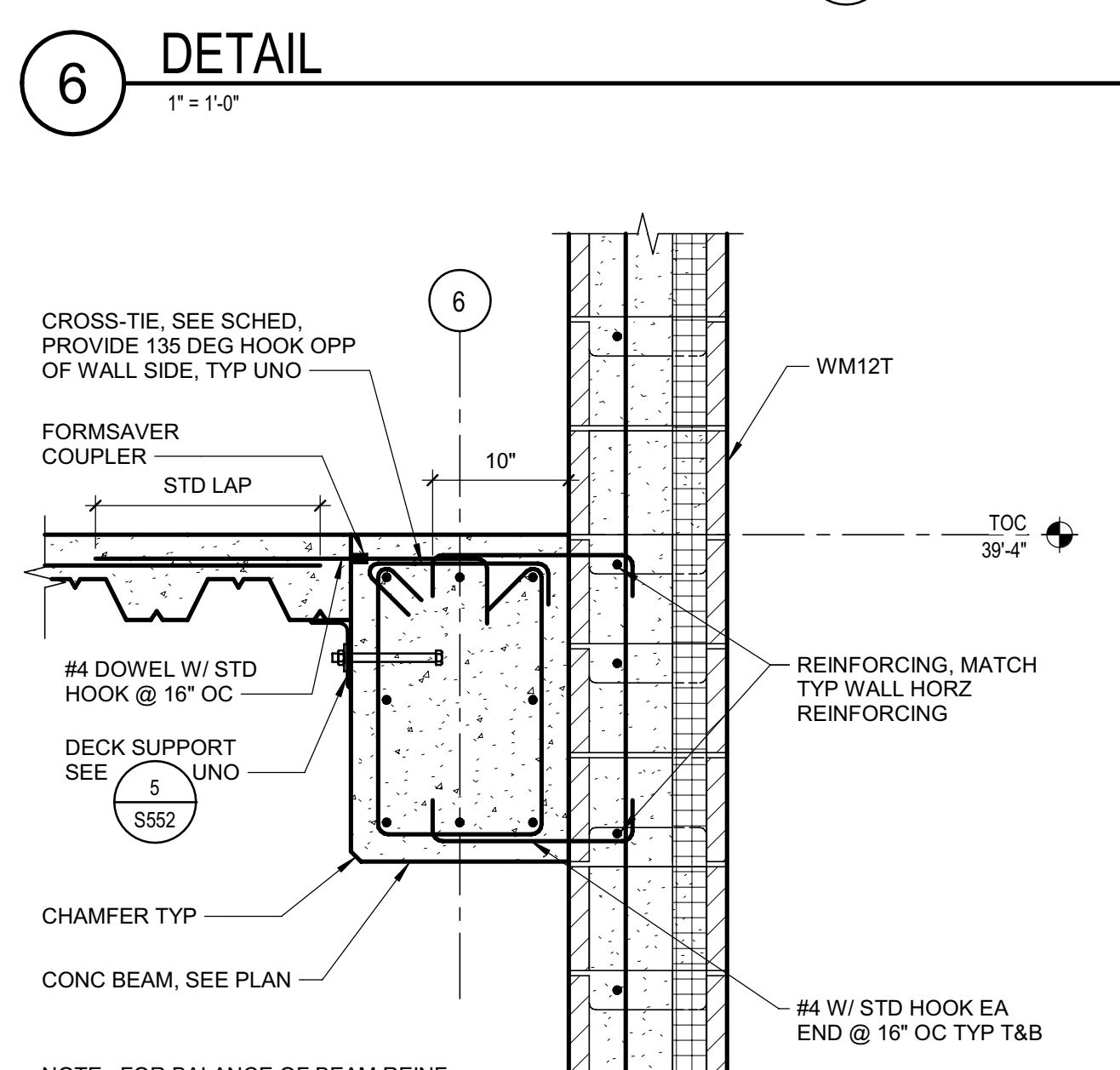
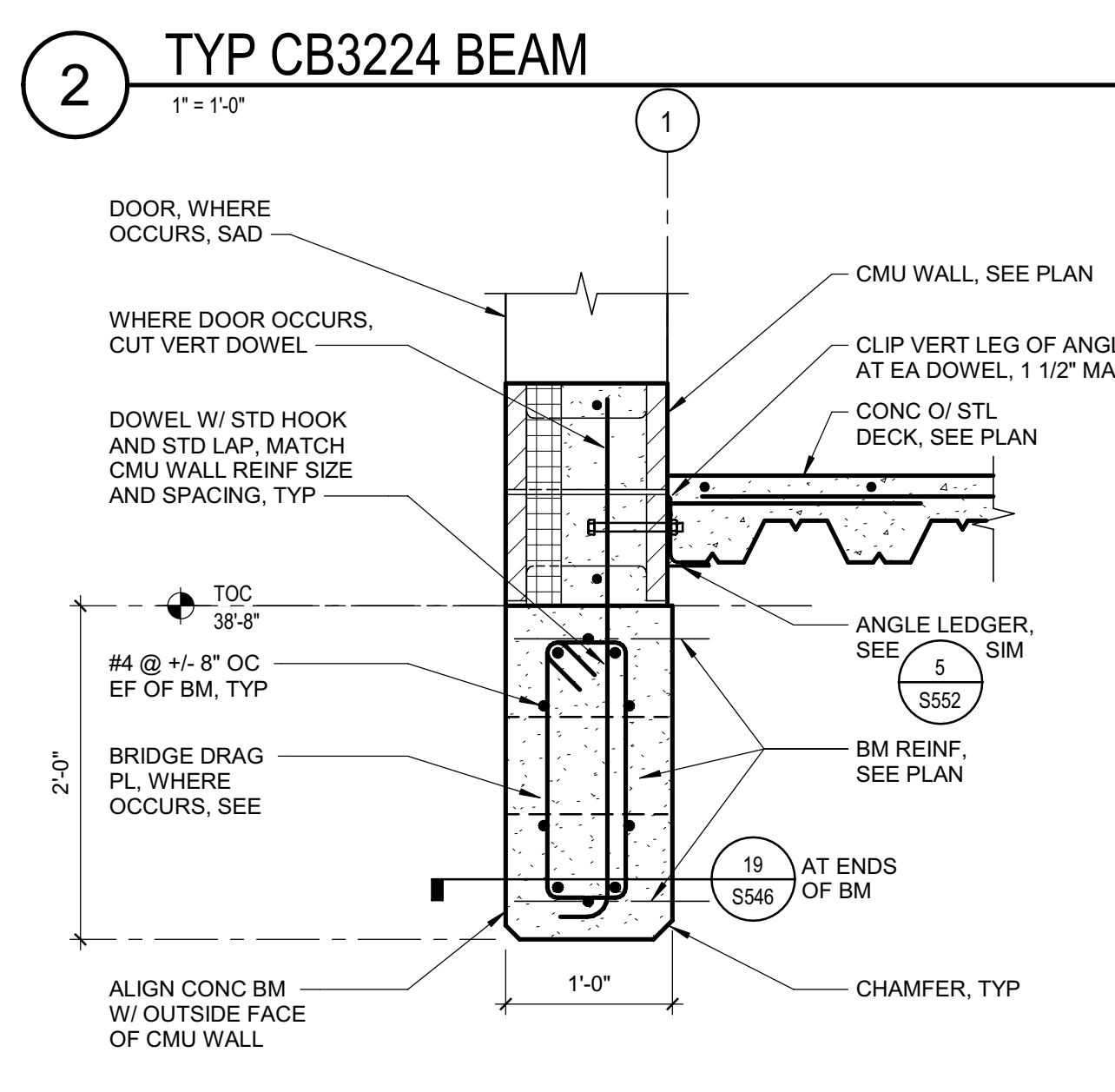
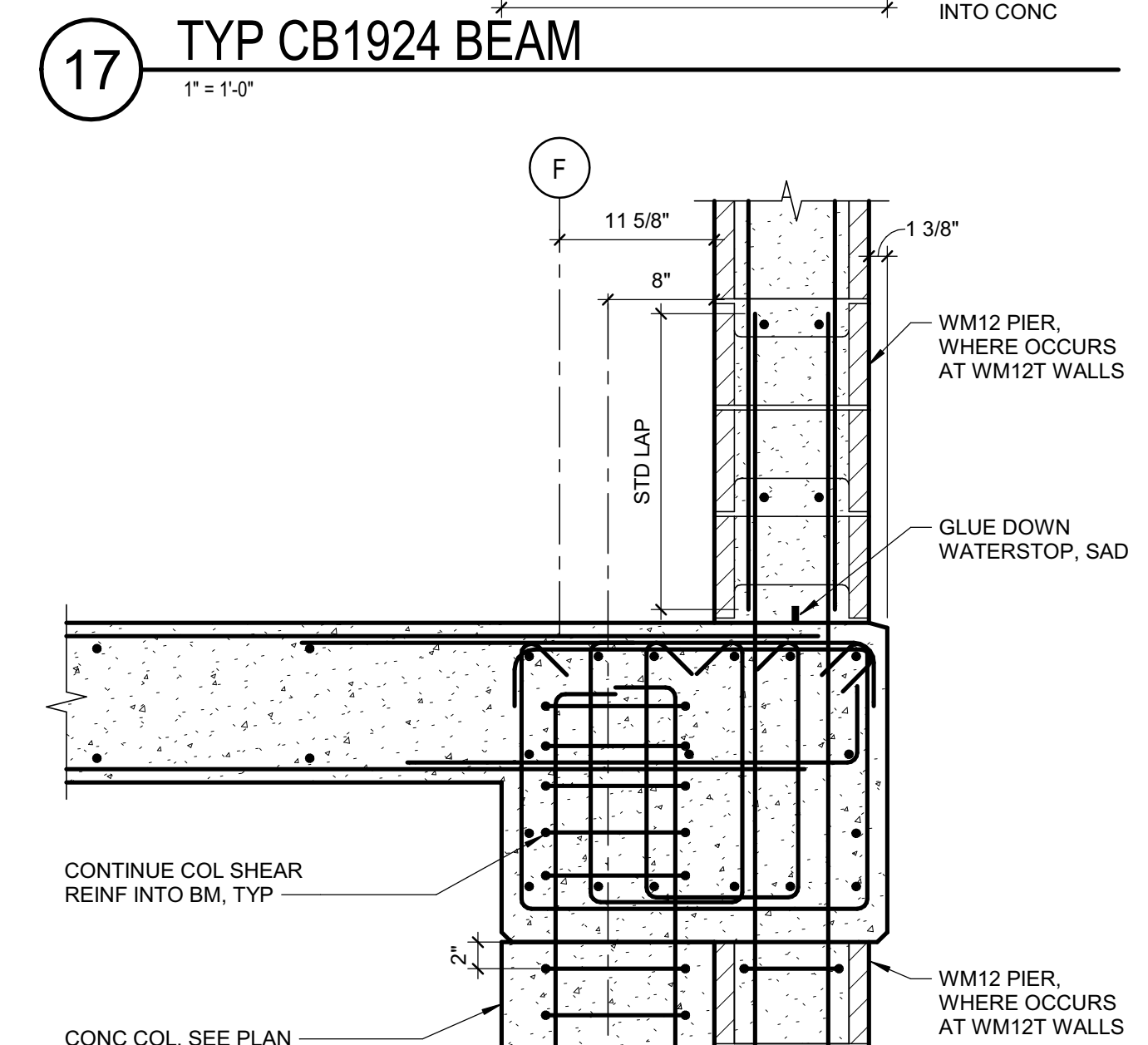
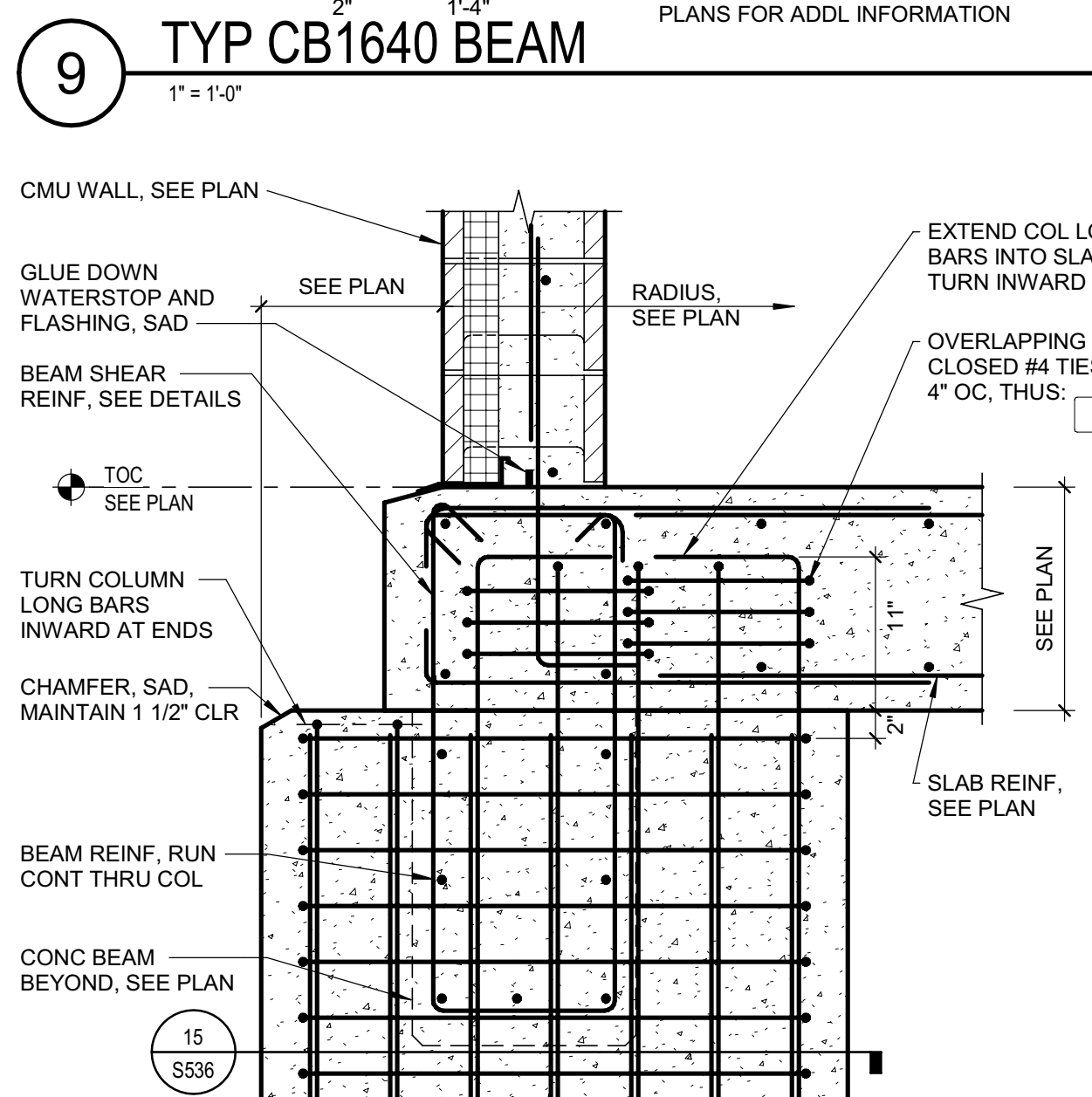
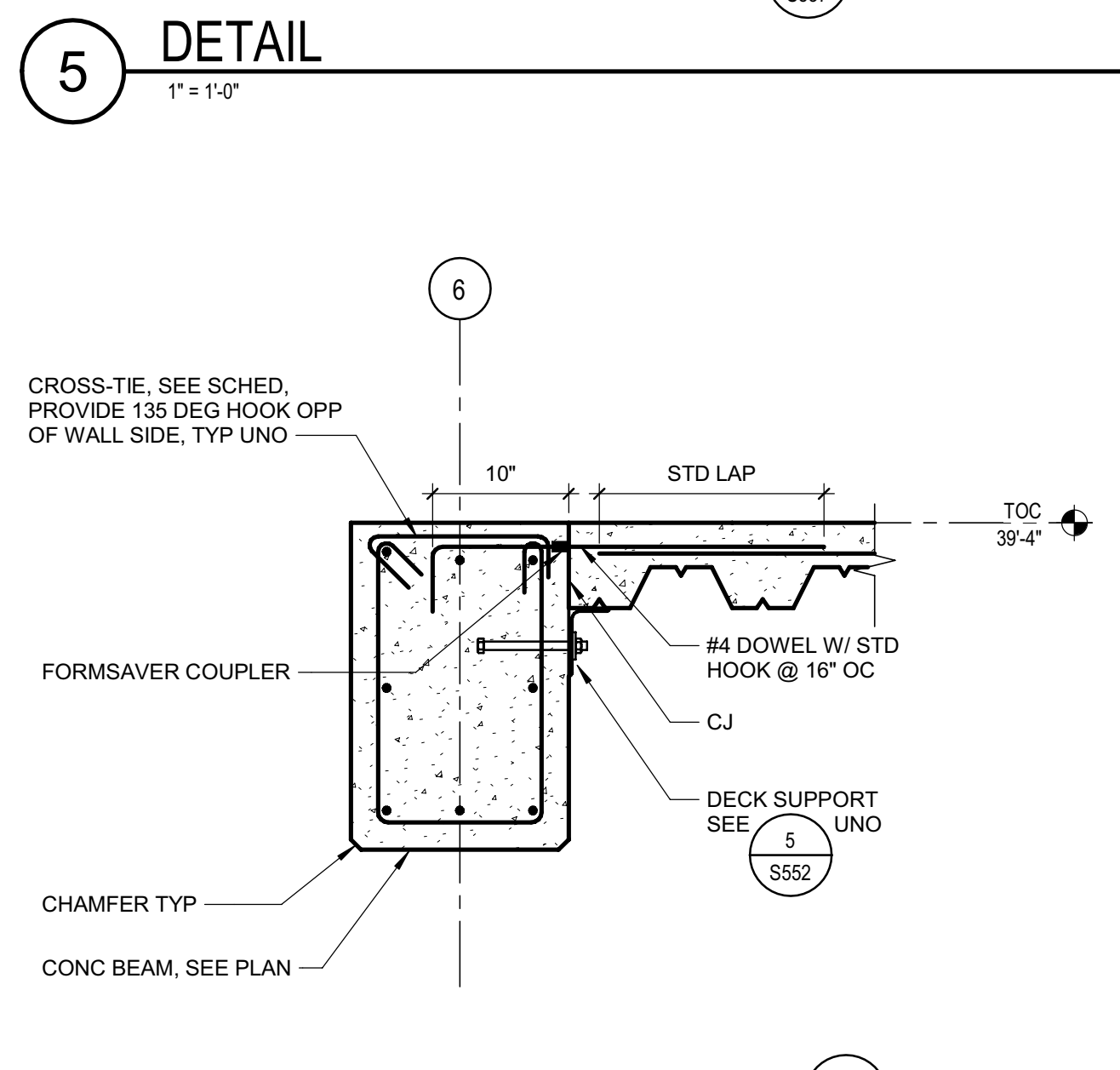
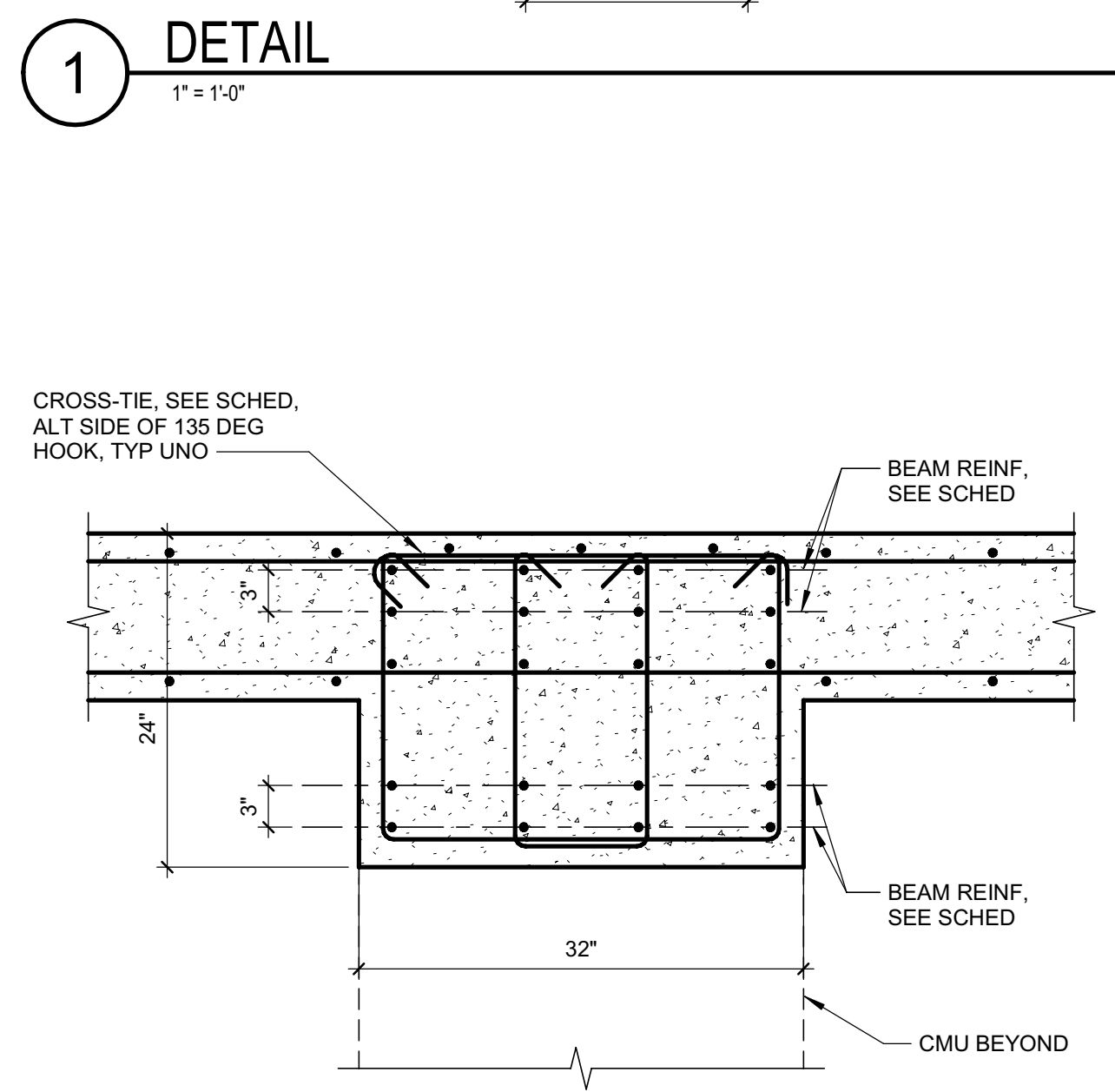
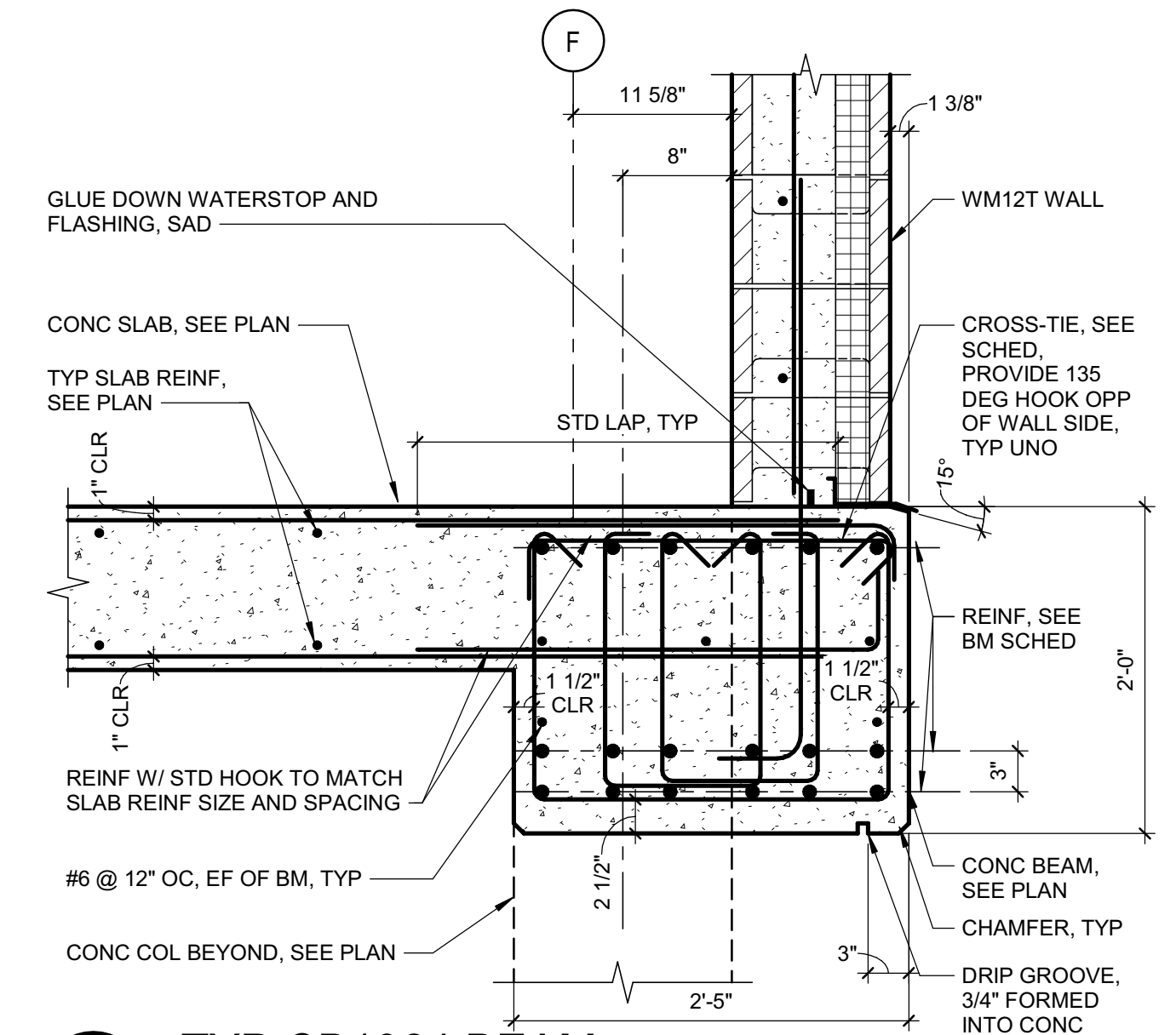
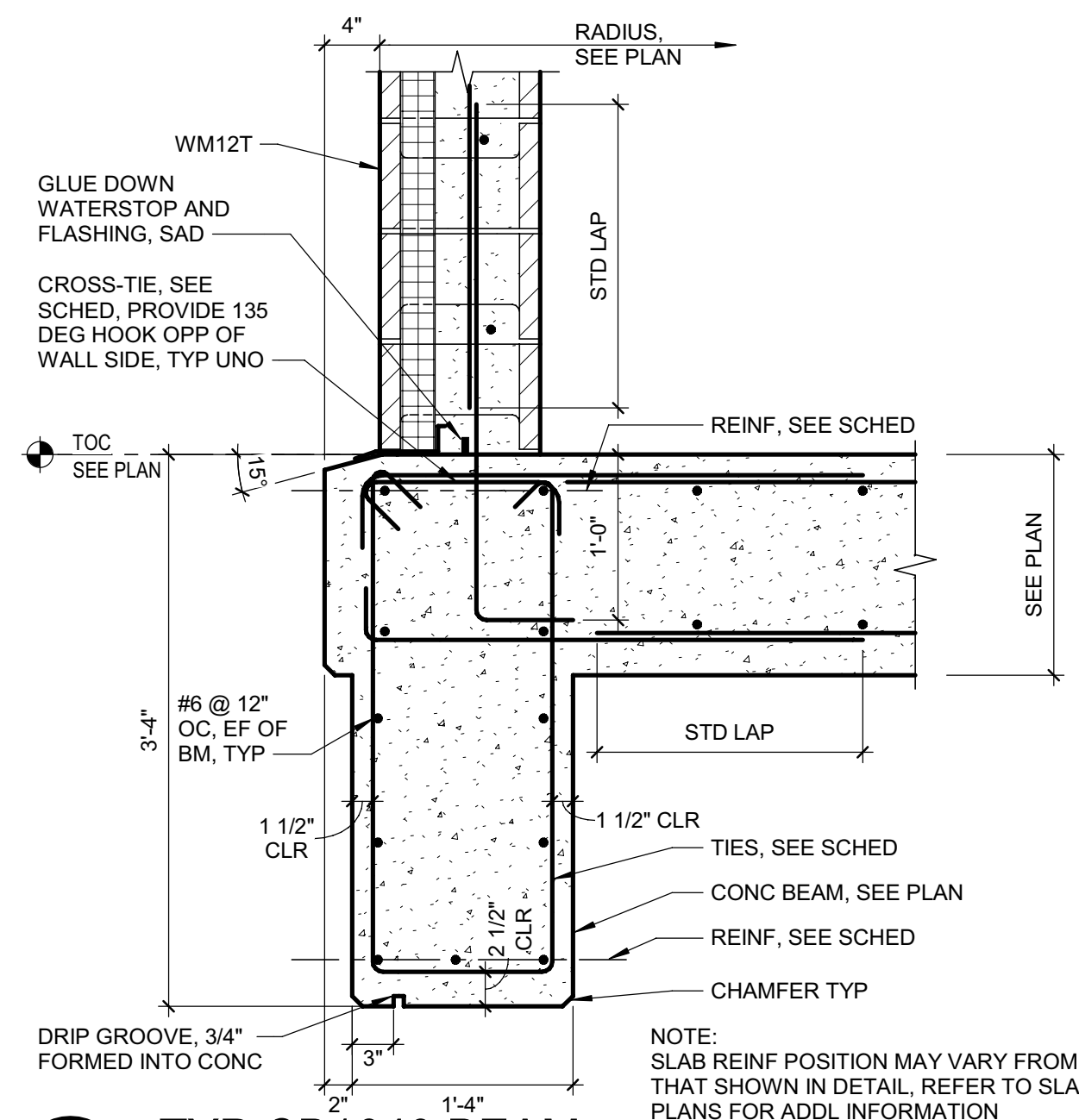
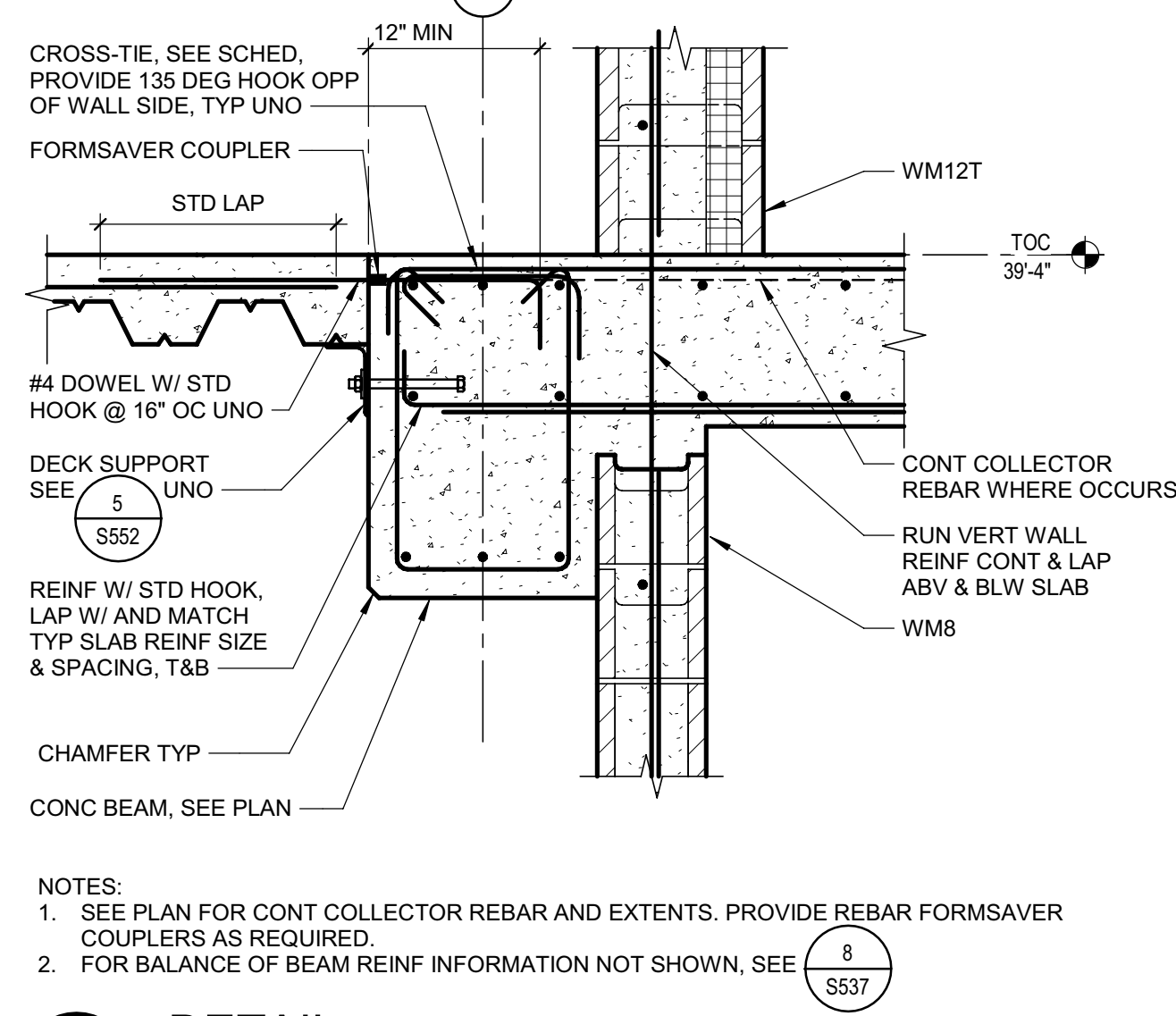
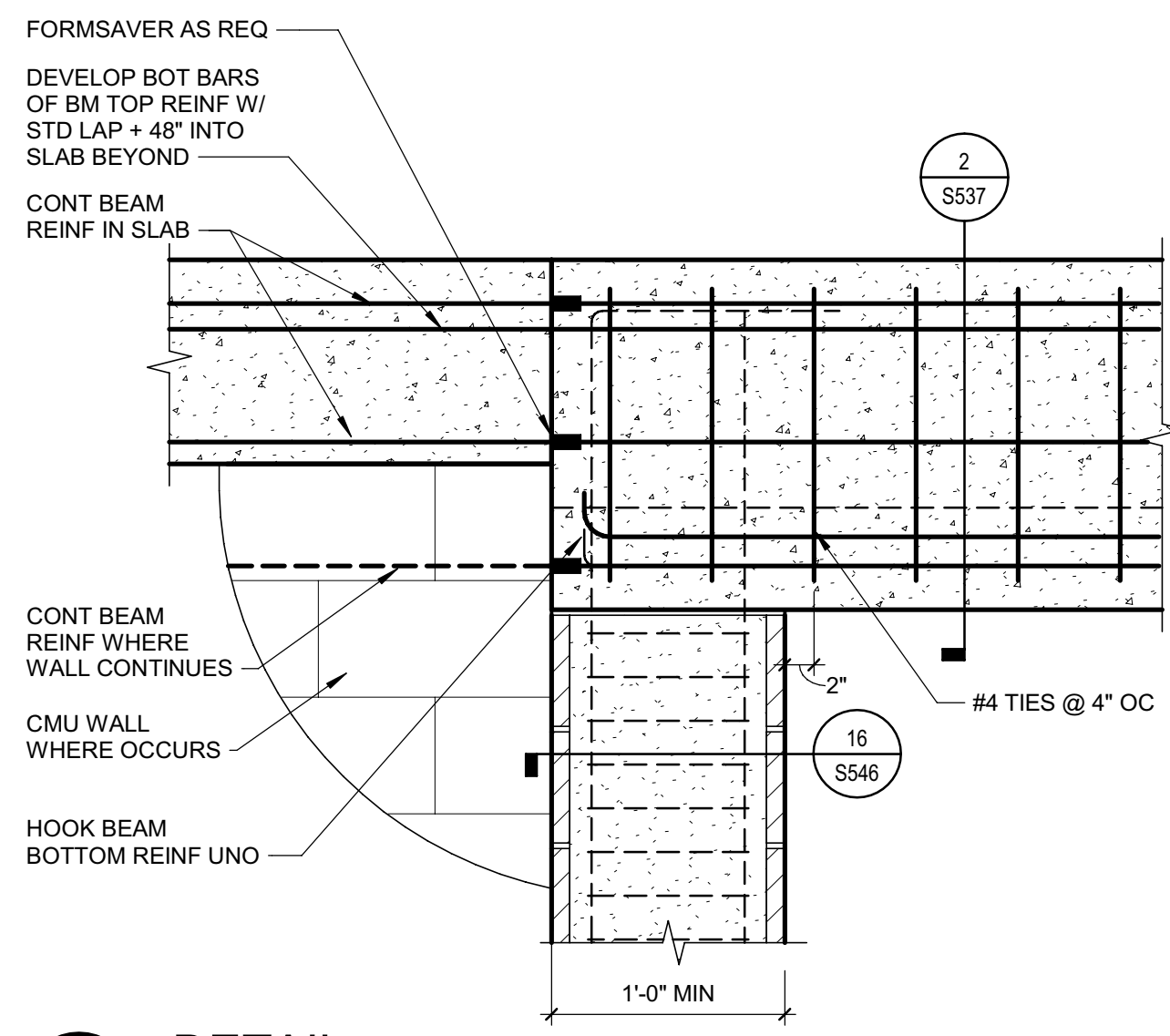
SHEET TITLE  
DETAILS - CONCRETE  
COLUMNS

DRAWING STATUS  
WORKING DRAWINGS

REVISIONS		
Symt.	Description	Date

Drawn By PAB  
Date Issued 07.29.2022  
Scale As indicated  
Project No. 016205.01

SHEET No.  
S536 V4



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LICENSE STAMPS



PROJECT NAME  
HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
DETAILS - CONCRETE BEAMS

DRAWING STATUS  
WORKING DRAWINGS

REVISIONS

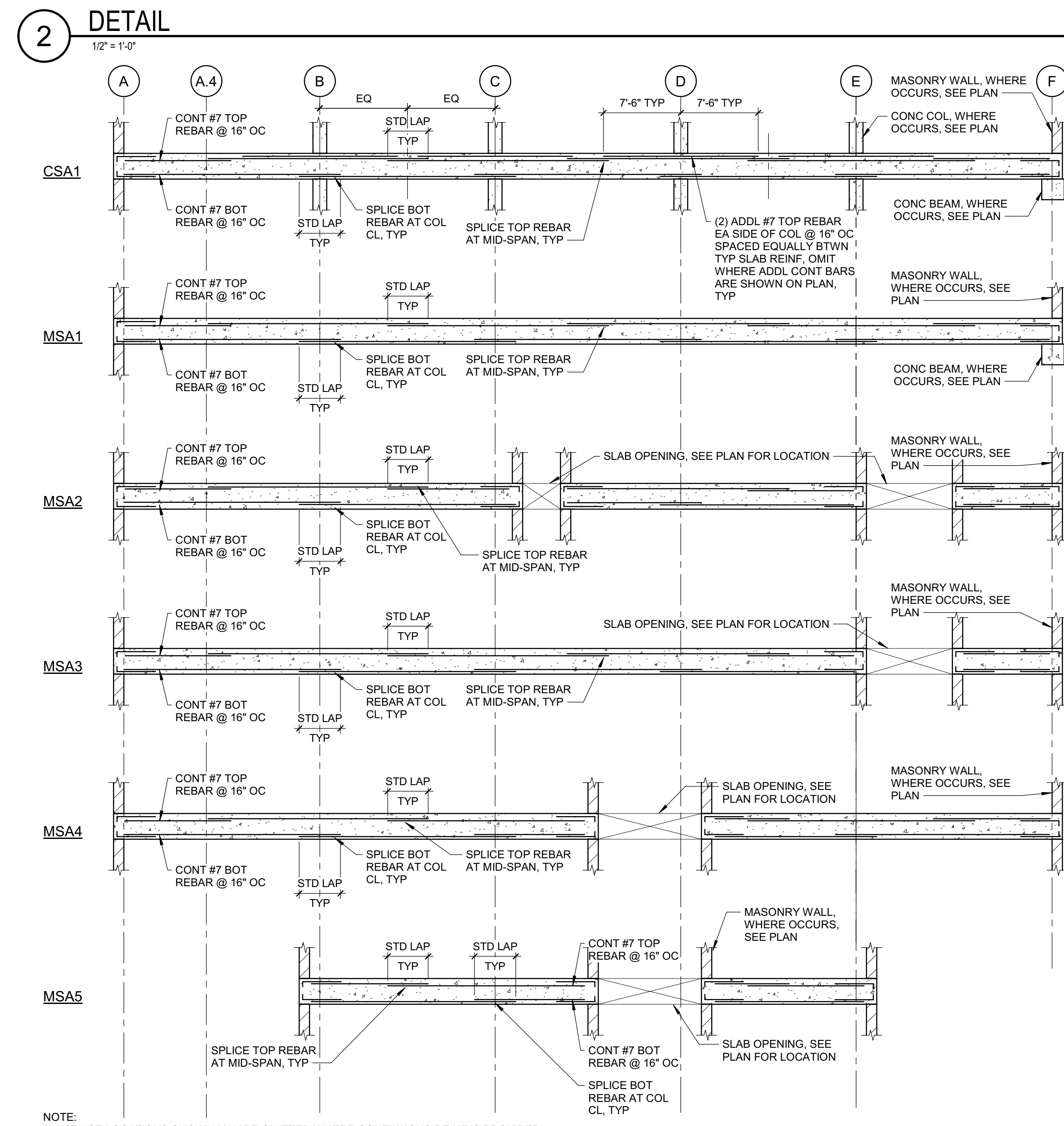
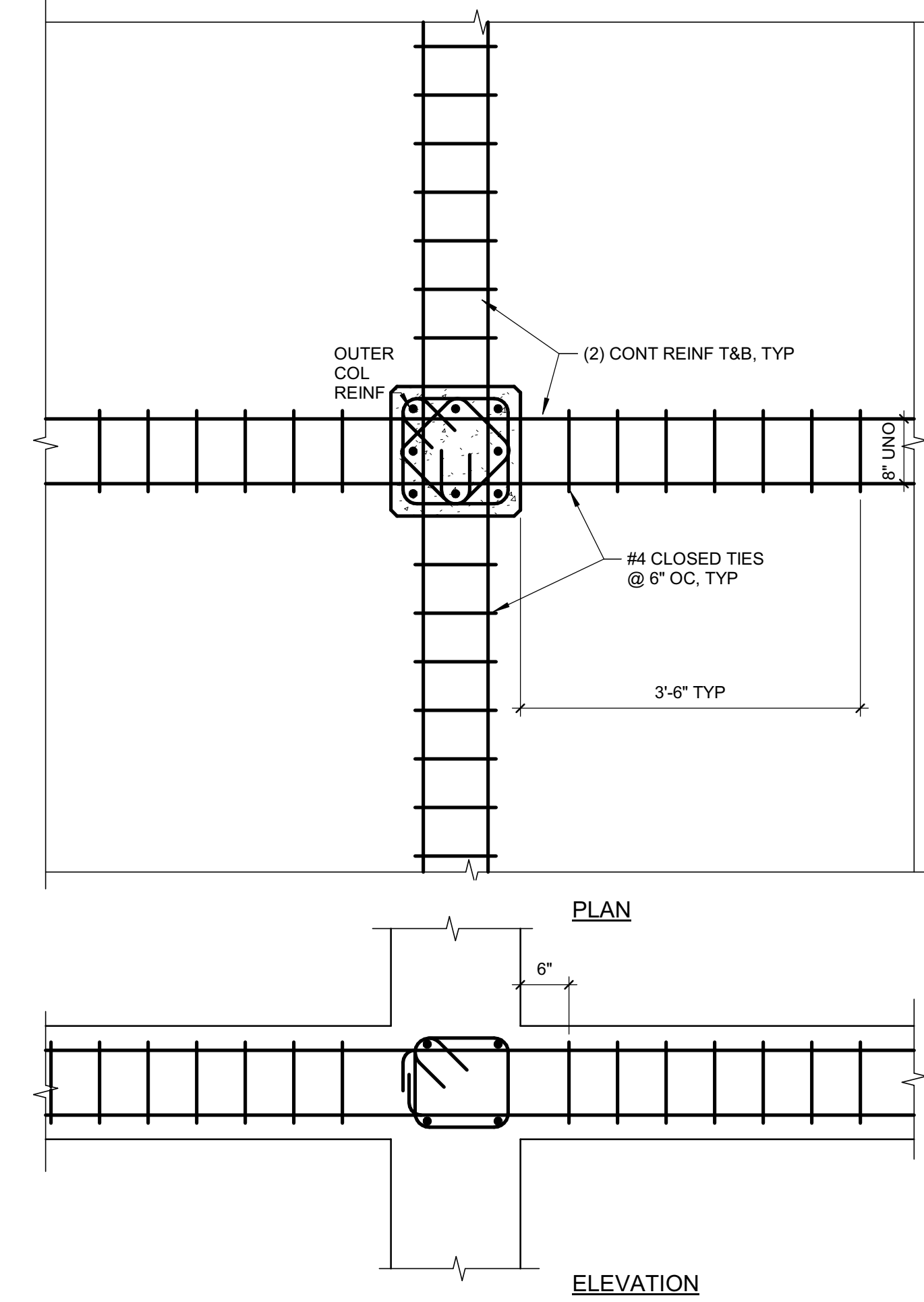
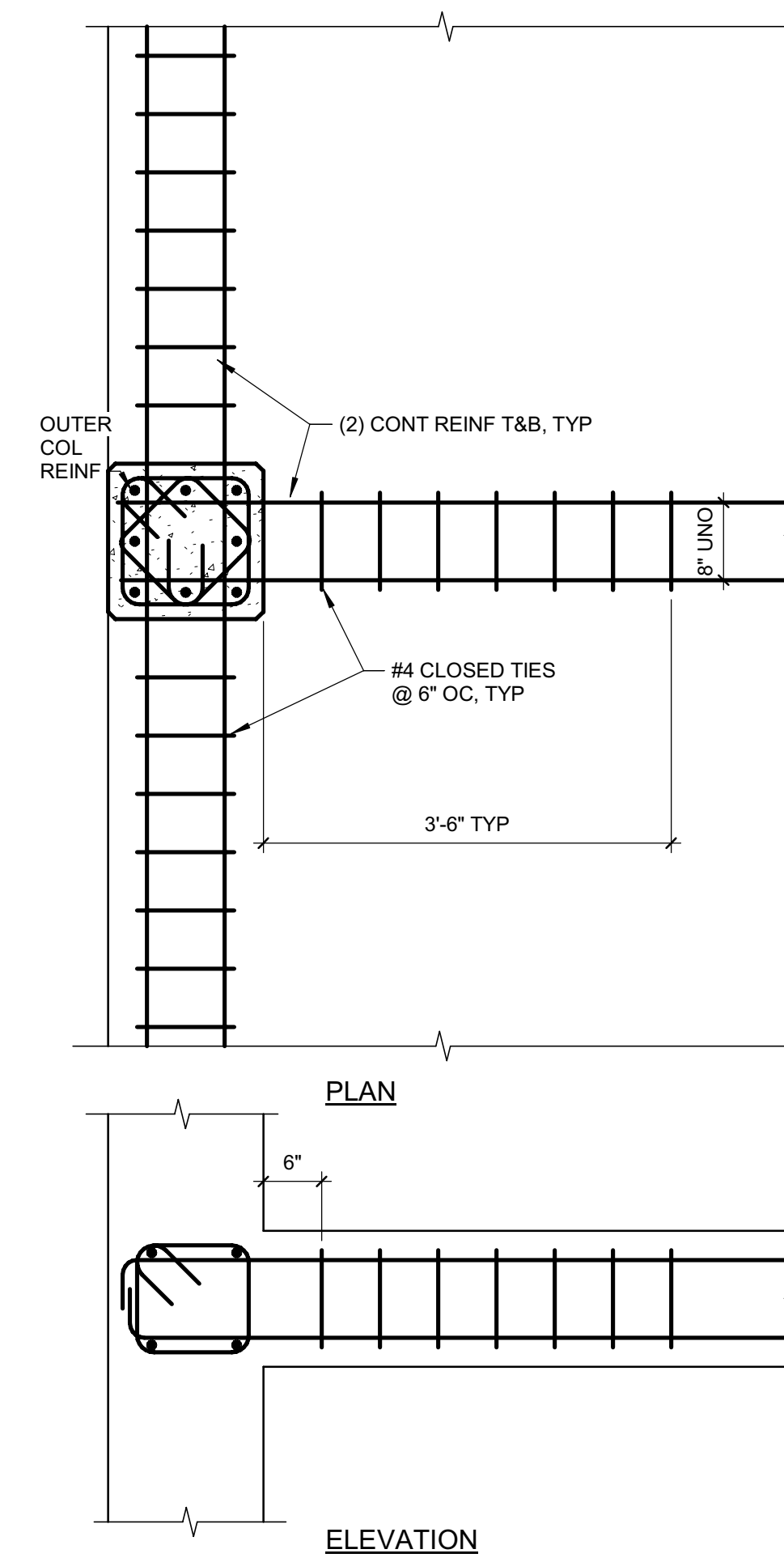
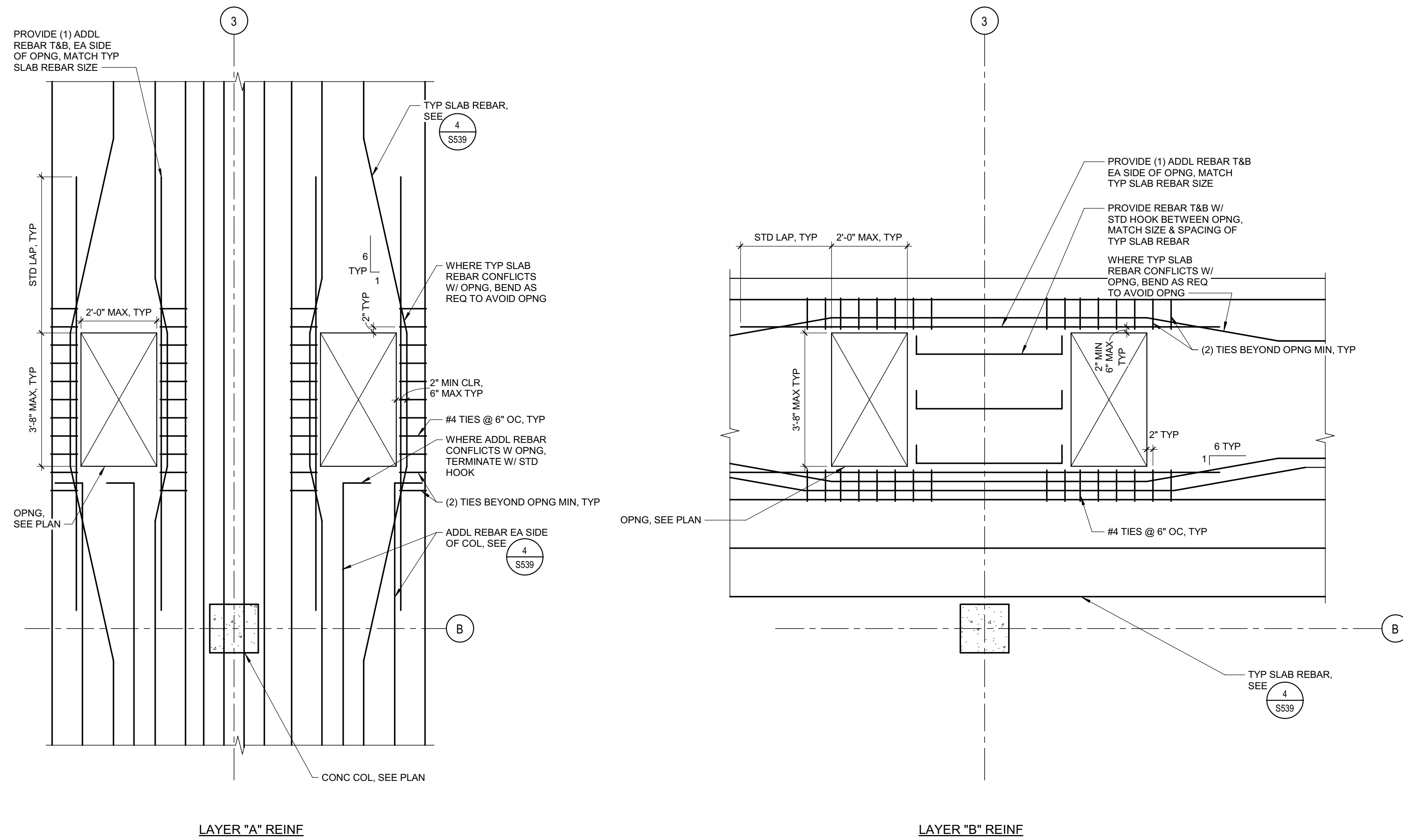
Symt	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

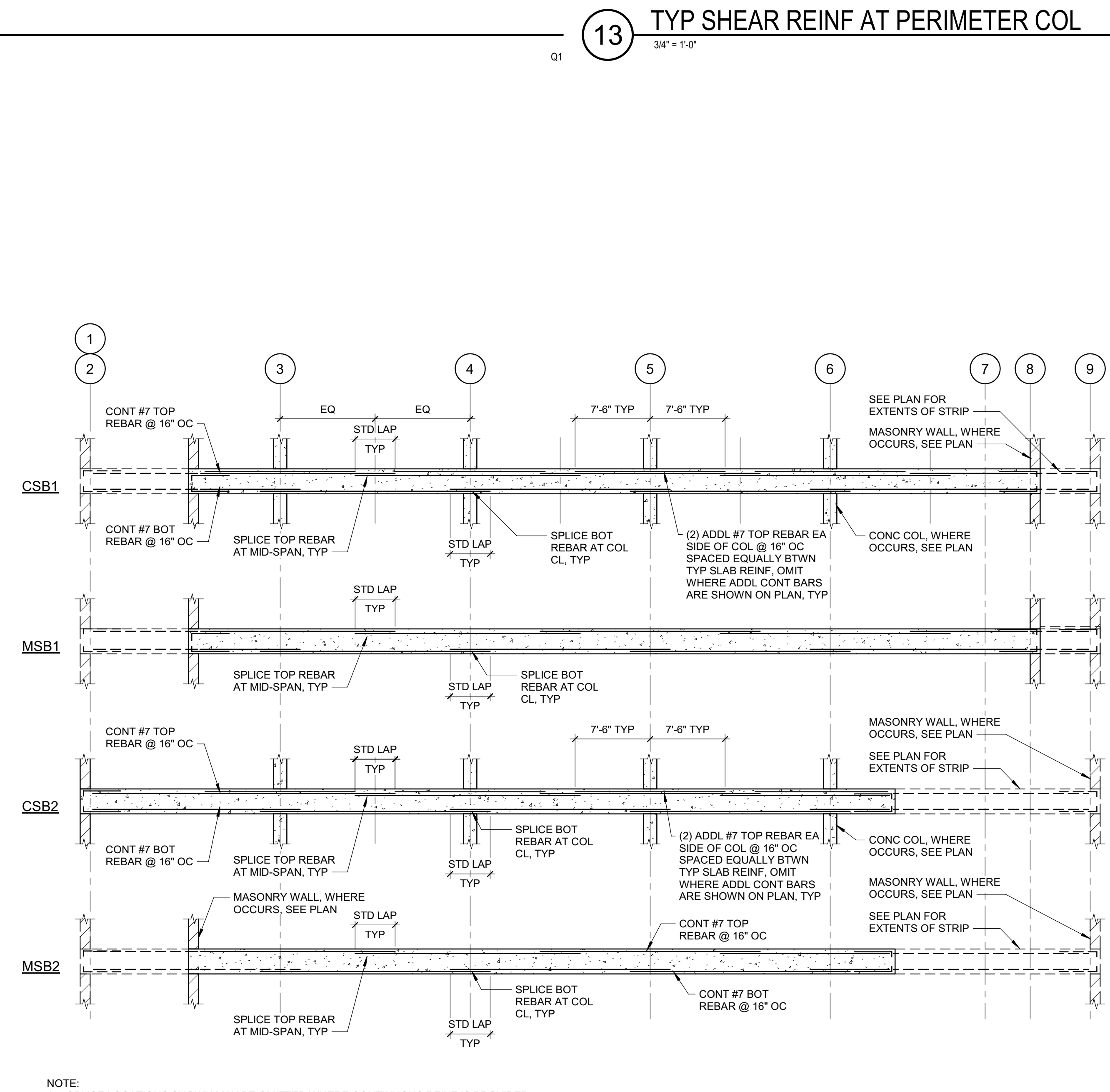
SHEET No.  
S537 V4

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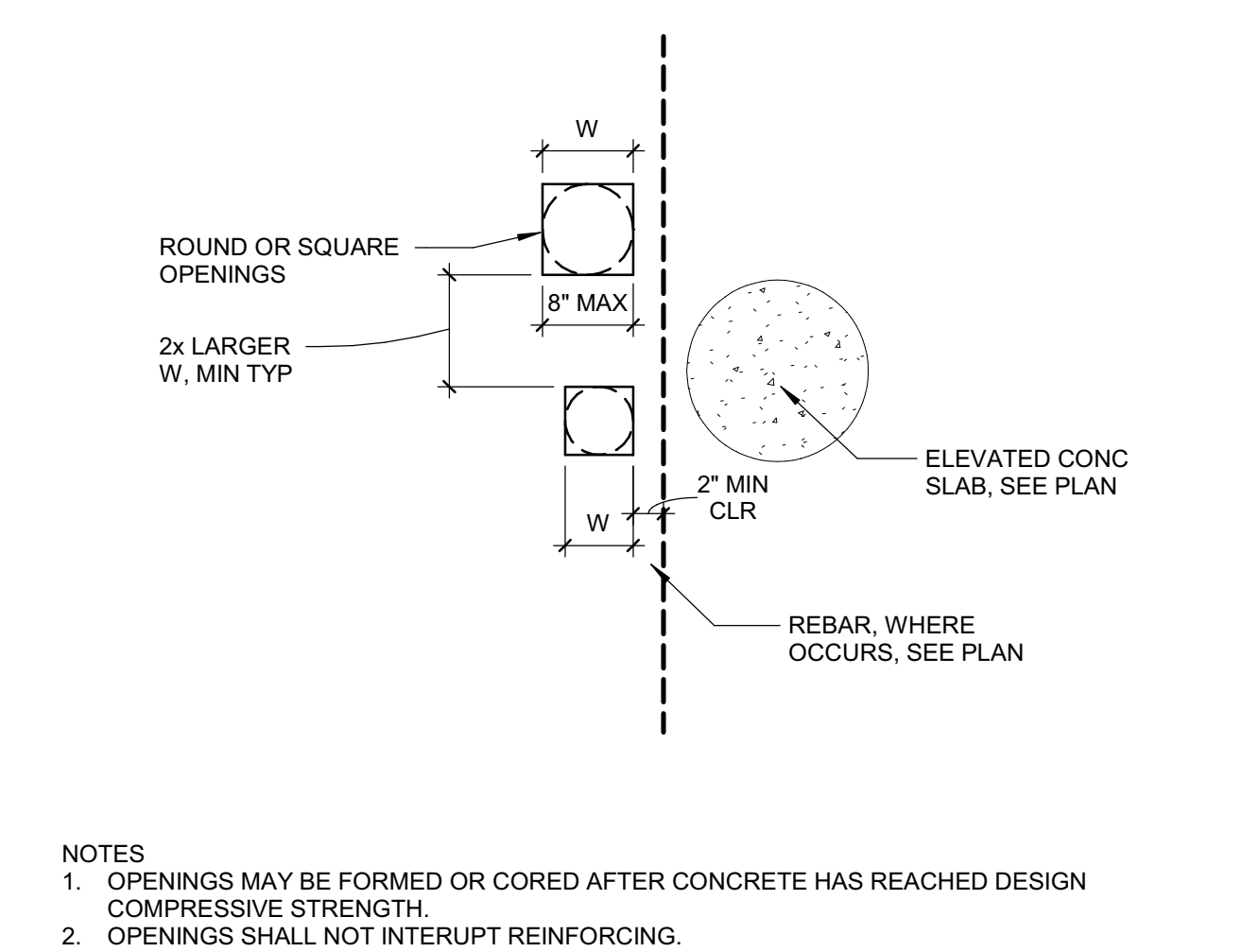
**4** SLAB REINFORCING - LAYER A (NORTH-SOUTH)  
SCALE: NTS



**12** SLAB REINFORCING - LAYER B (EAST - WEST)  
SCALE: NTS

**13** TYP SHEAR REINF AT PERIMETER COL  
3/4" x 1'-0"

**17** TYP SHEAR REINF AT INTERIOR COL  
3/4" x 1'-0"



**20** TYP SPACING OF OPNGS IN ELEVATED CONC SLAB  
1" = 1'-0"



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LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**DETAILS - CONCRETE  
ELEVATED SLABS**

DRAWING STATUS  
**WORKING DRAWINGS**

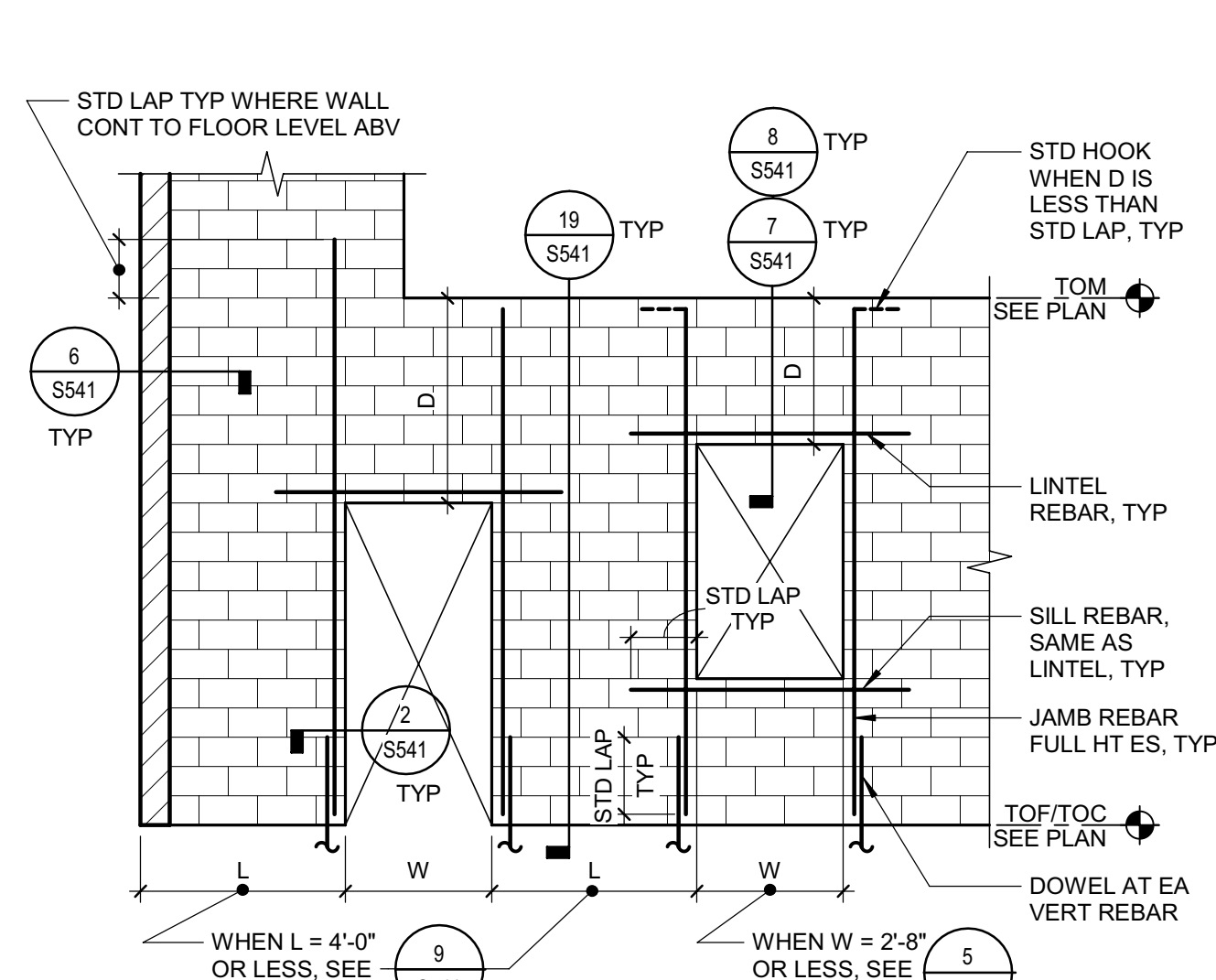
REVISIONS

Symt.	Description	Date

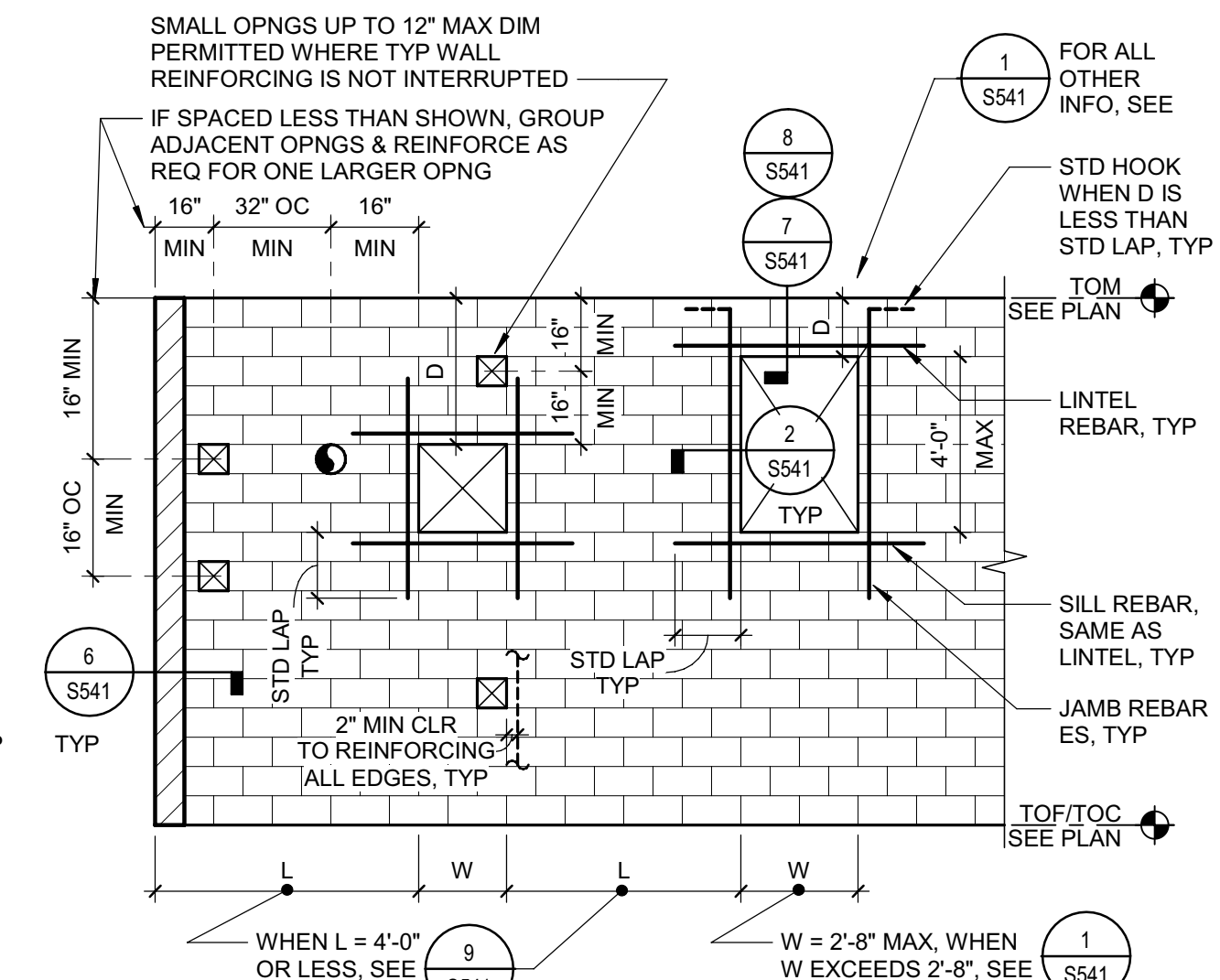
Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

SHEET No.  
**S539 V4**

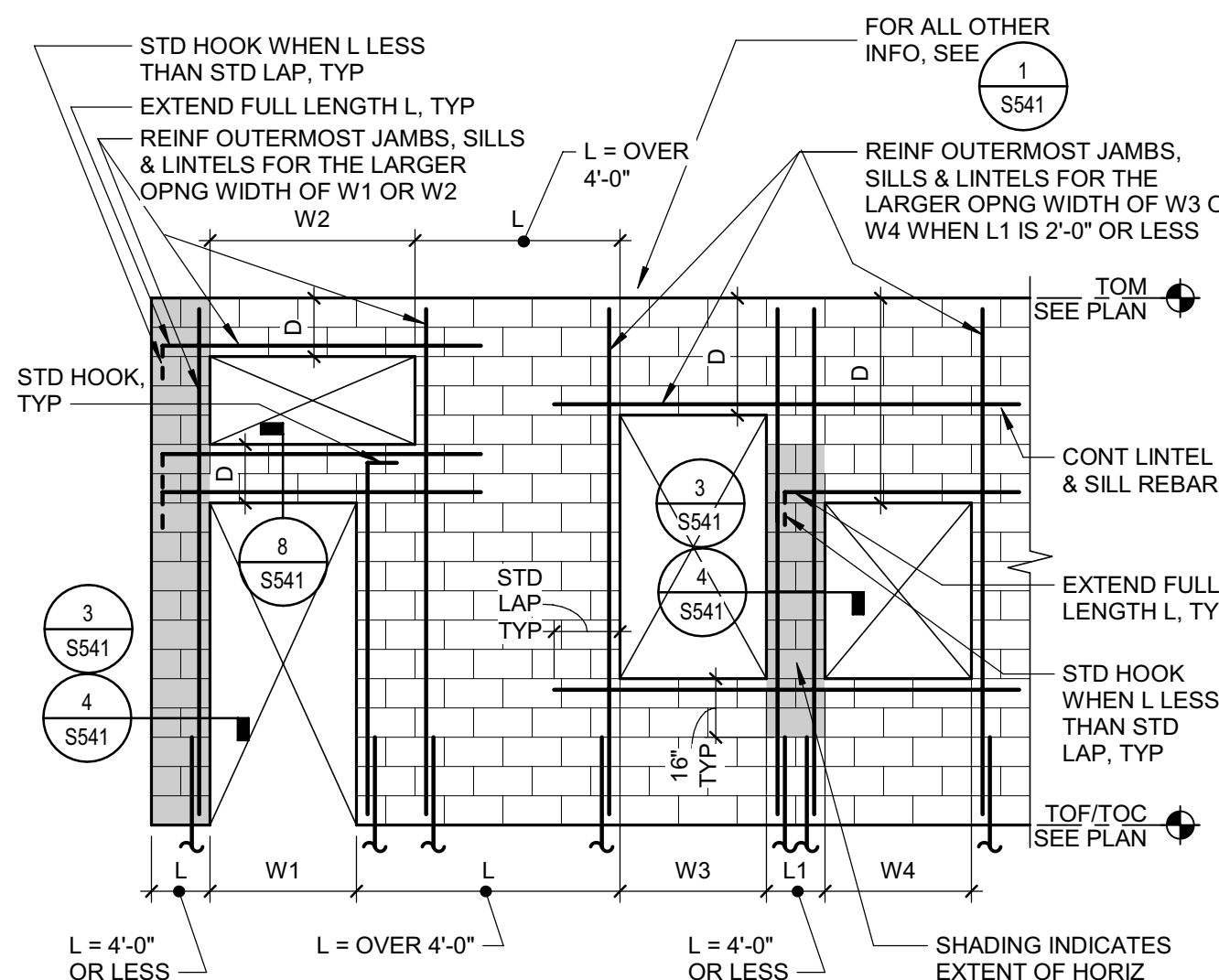
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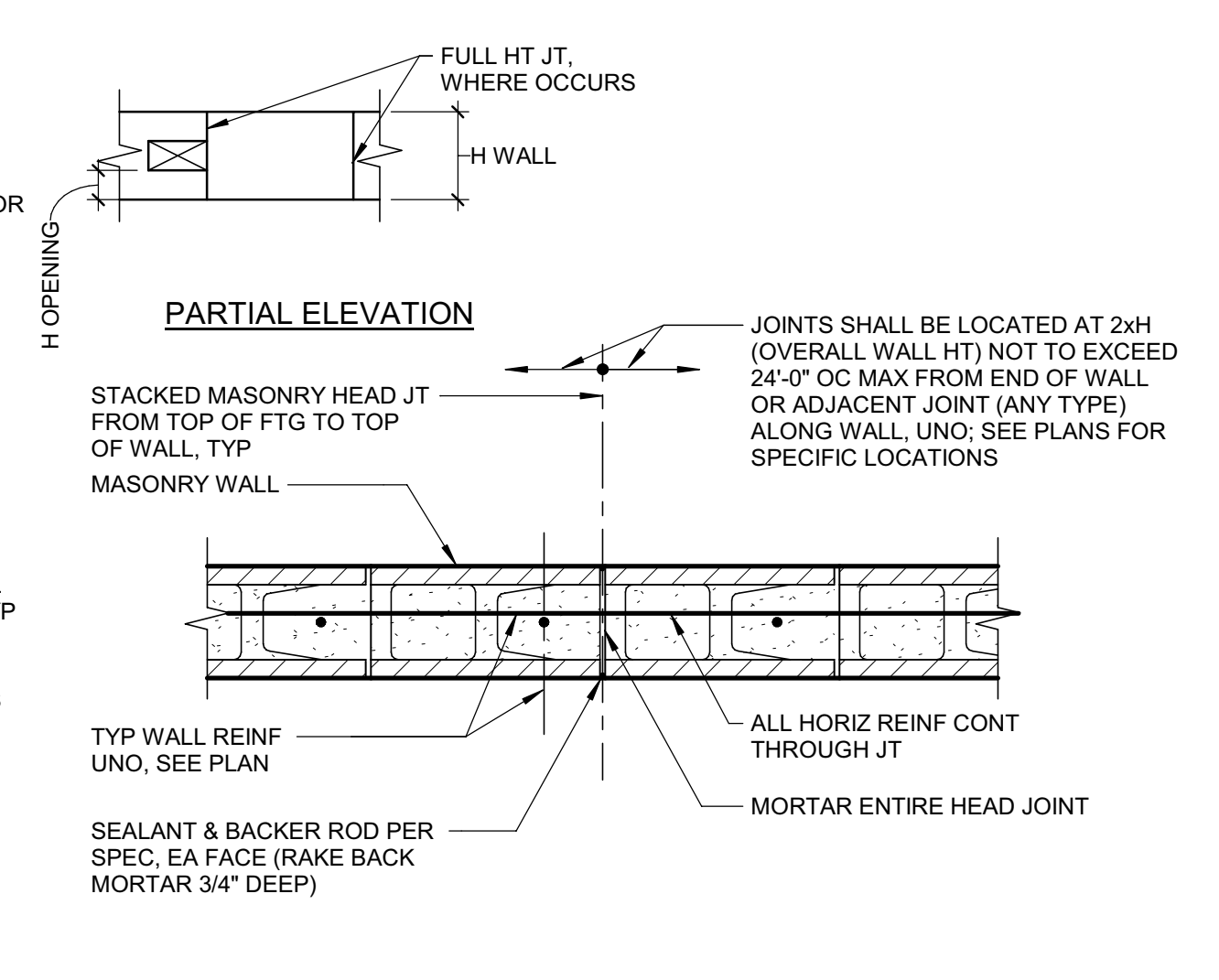
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 1/4" = 1'-0"  
 S\_048200\_T0208  
 150427



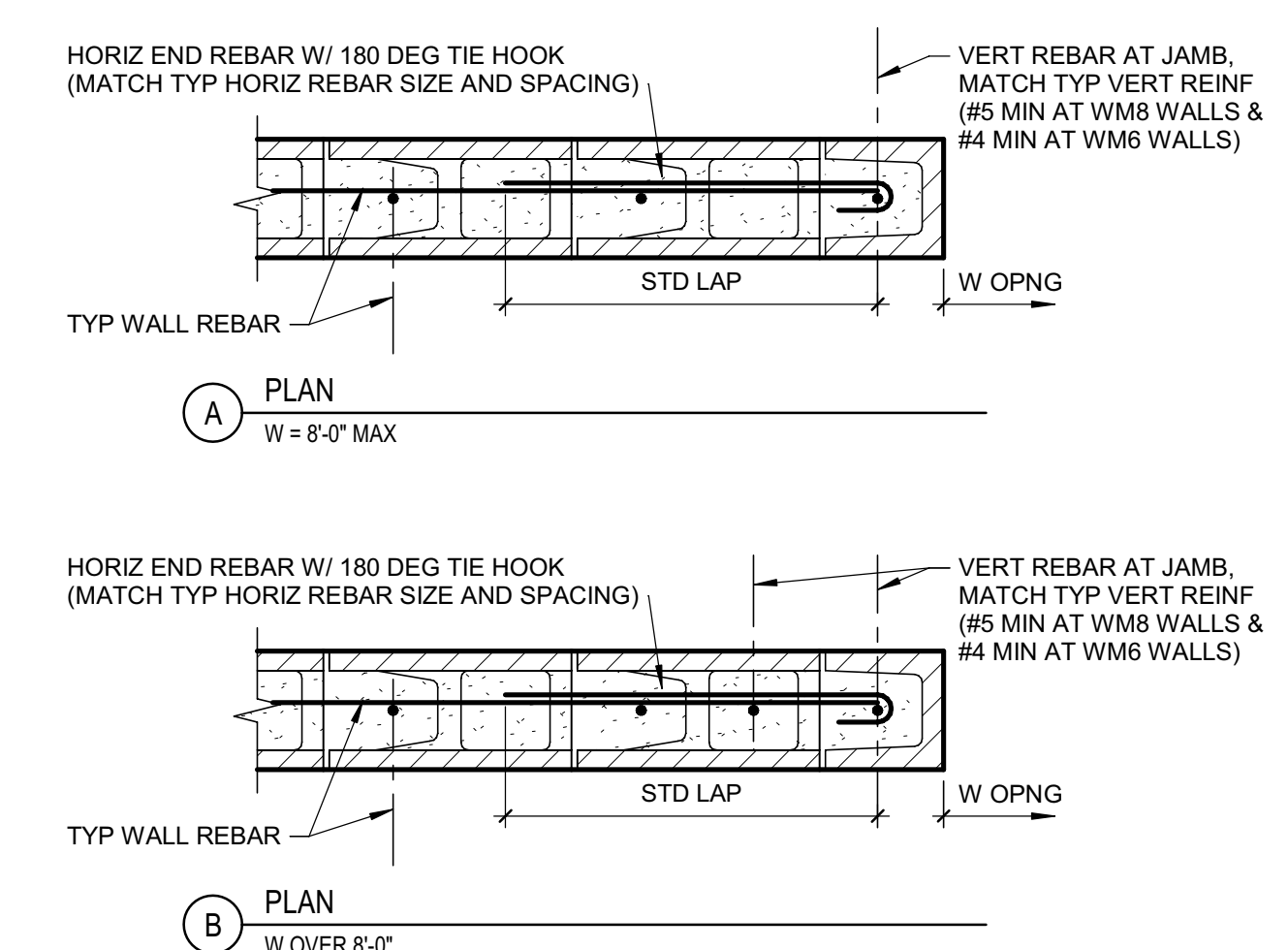
**5 TYP MASONRY SMALL OPNGS**  
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 150427



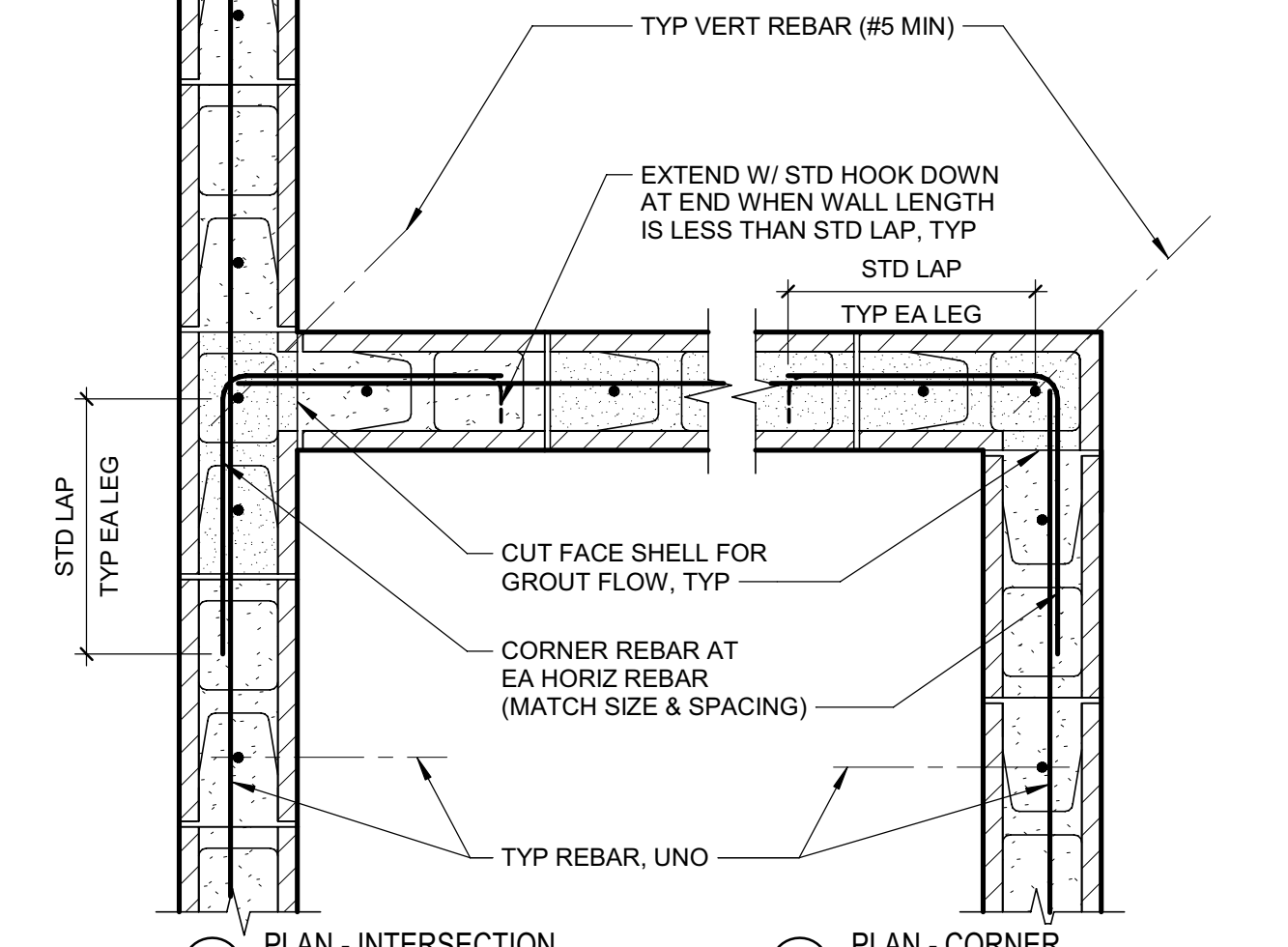
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 1/4" = 1'-0"  
 S\_048200\_T0208  
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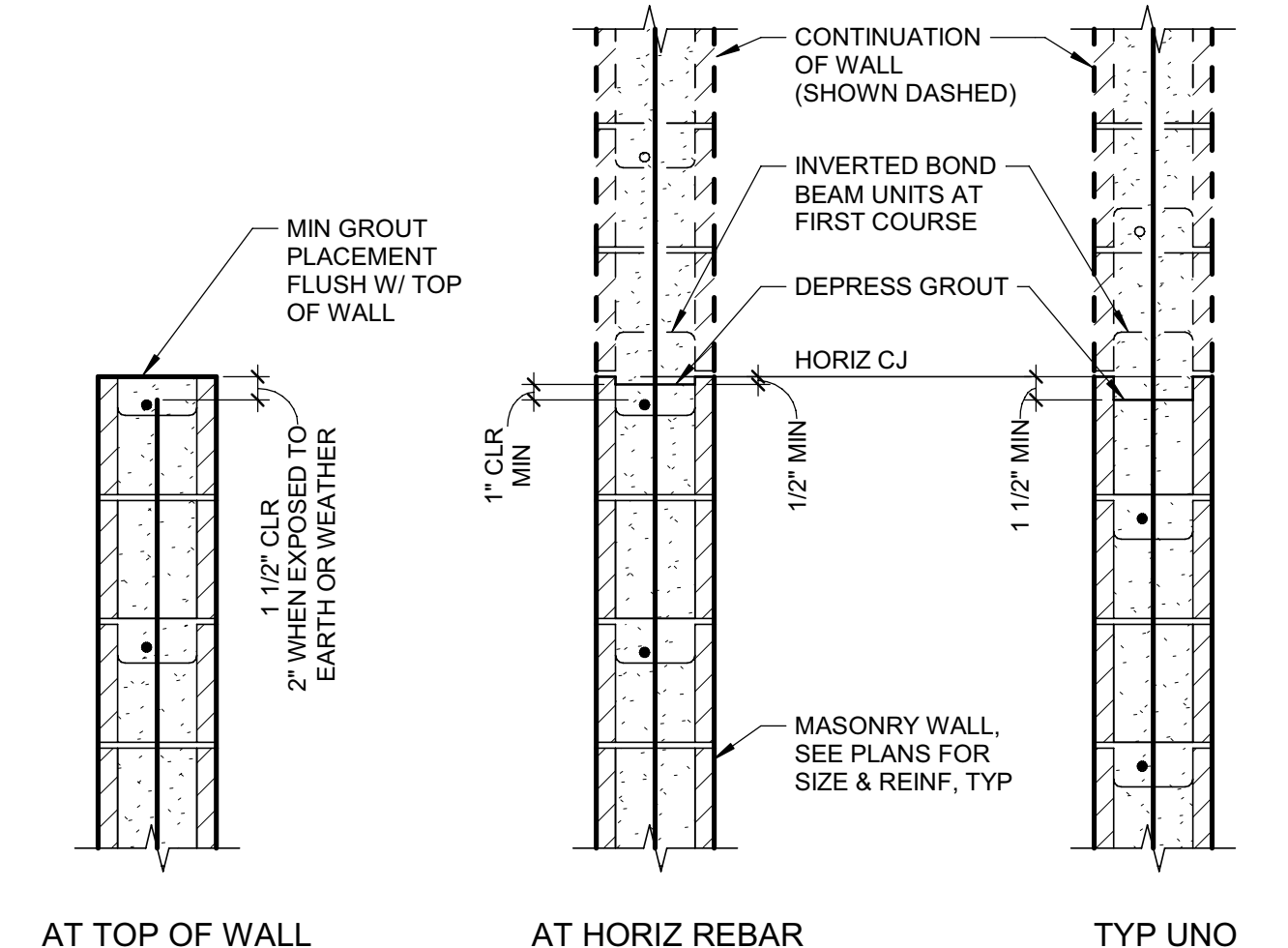
**13 TYP MASONRY RAKE JOINT**  
 SCALE: NTS  
 S\_048200\_T016A  
 150427



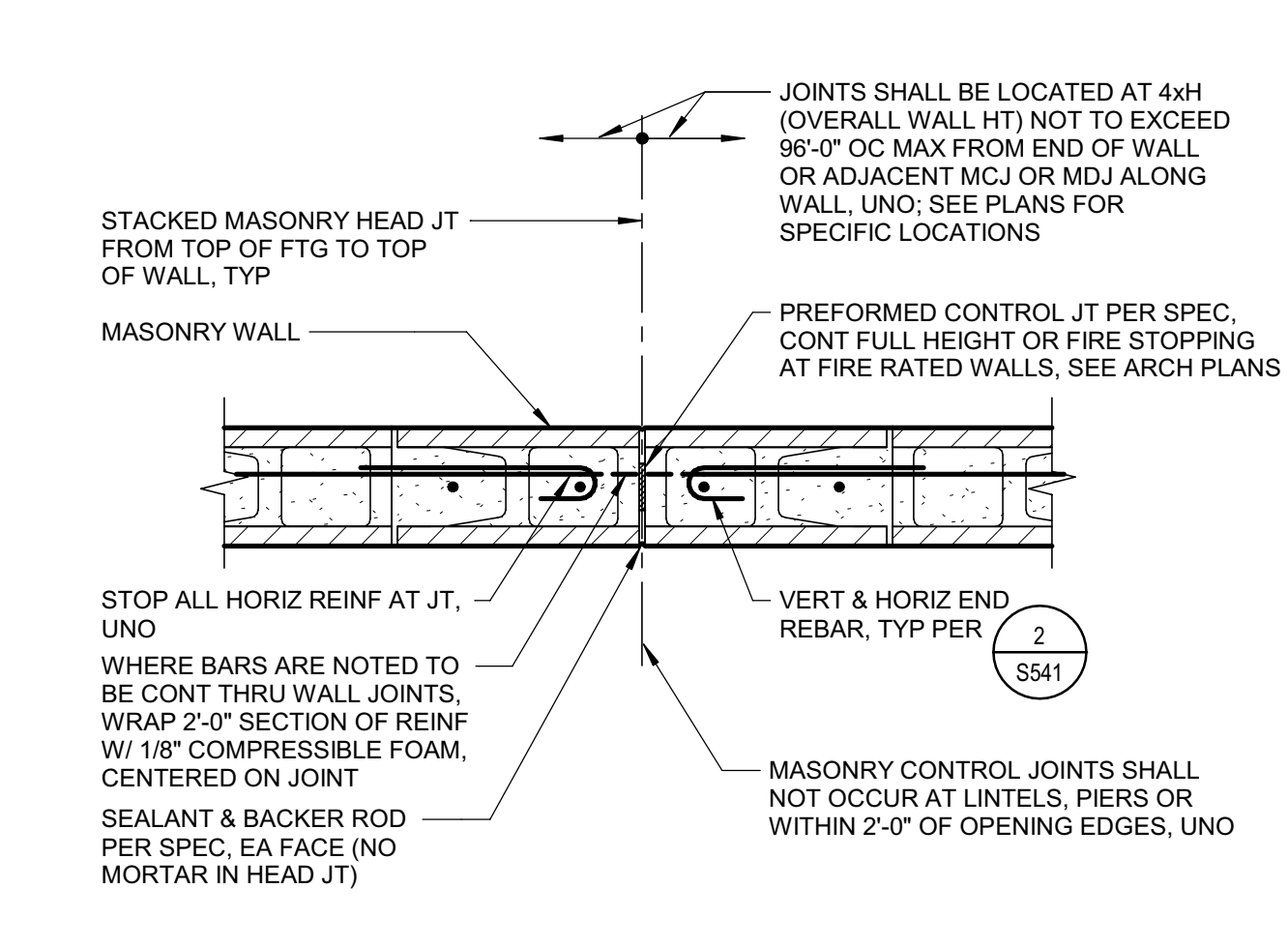
**2 TYP MASONRY JAMB / END**  
 1" = 1'-0"  
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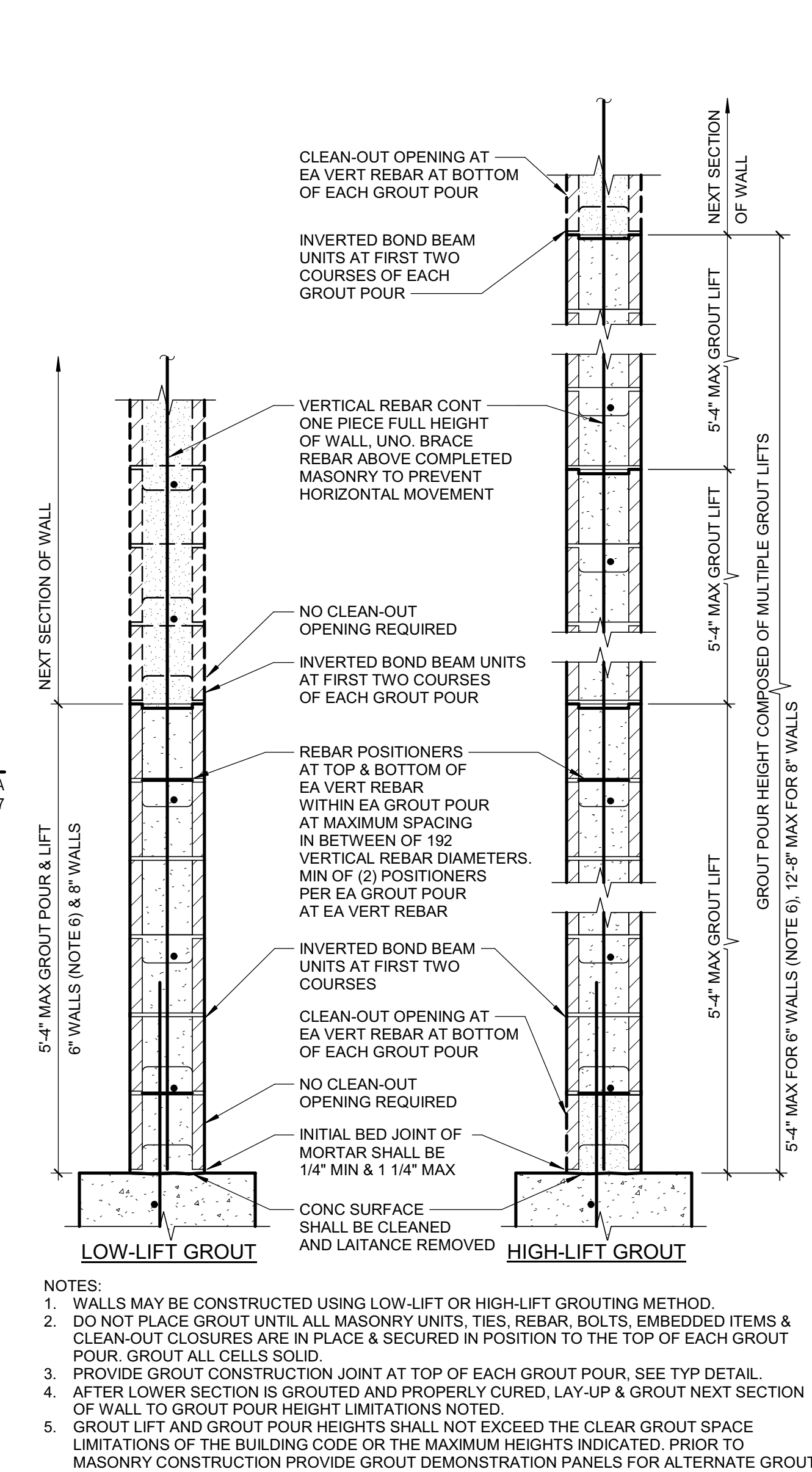
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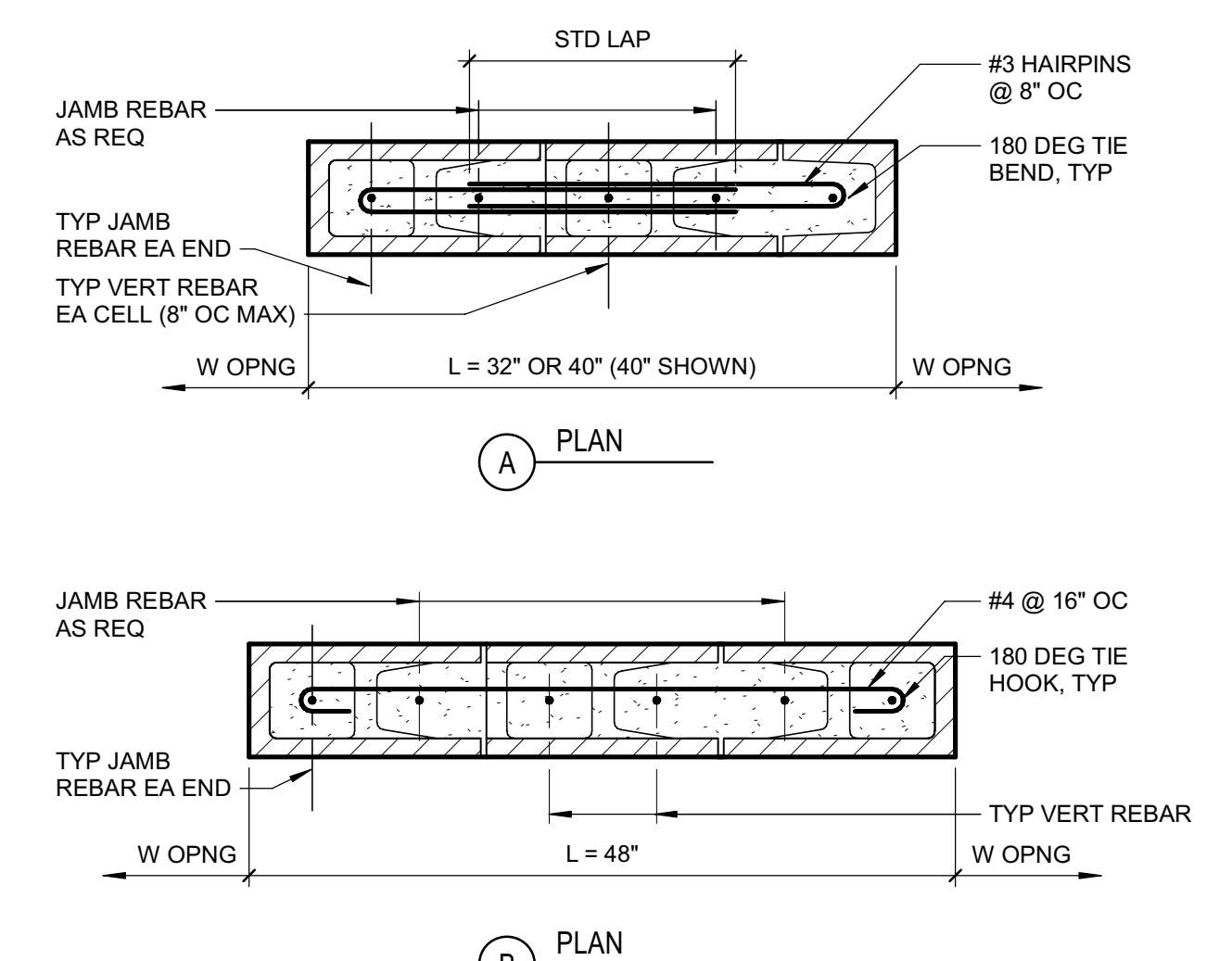
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 SCALE: NTS  
 S\_048200\_T069A  
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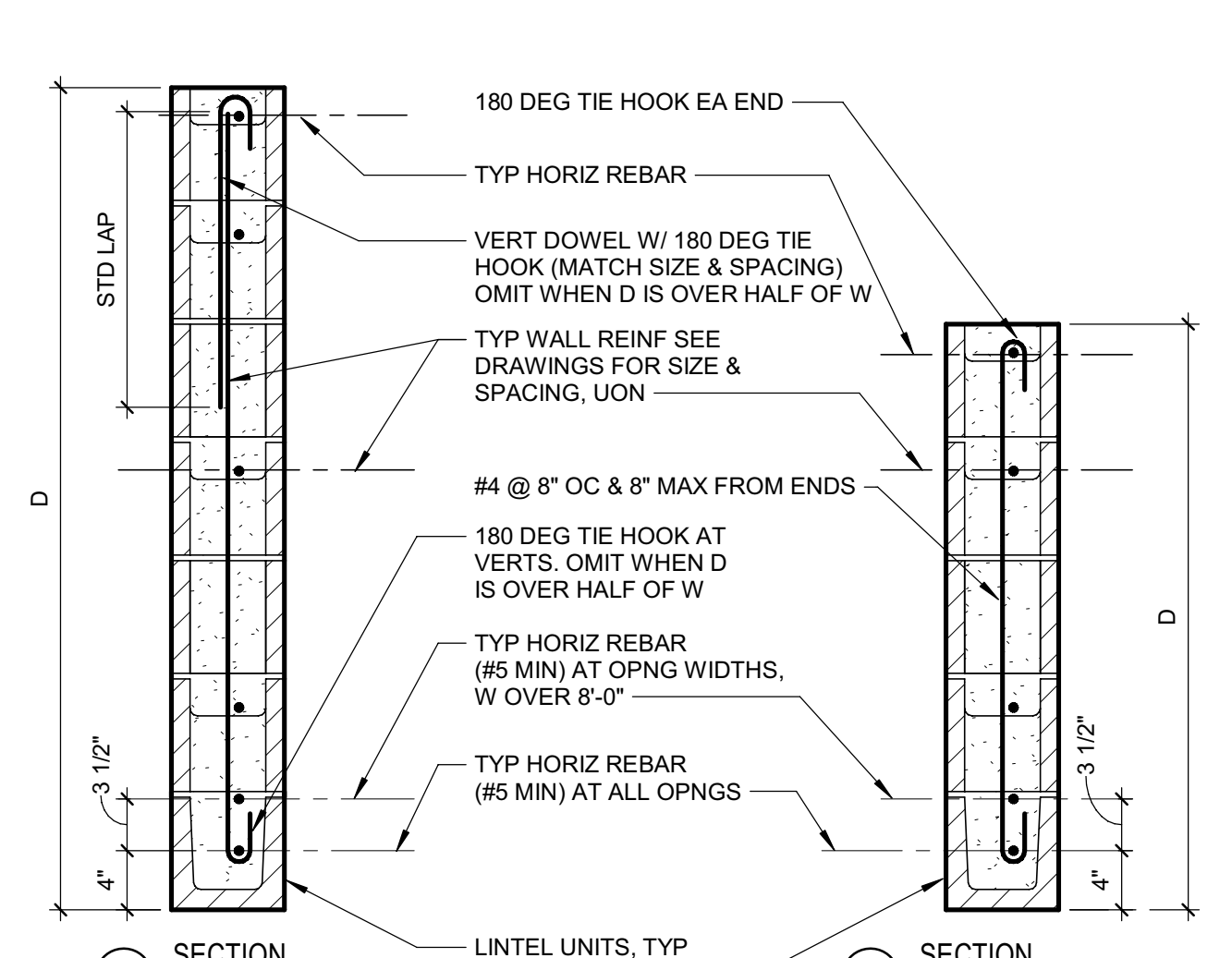
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 180425



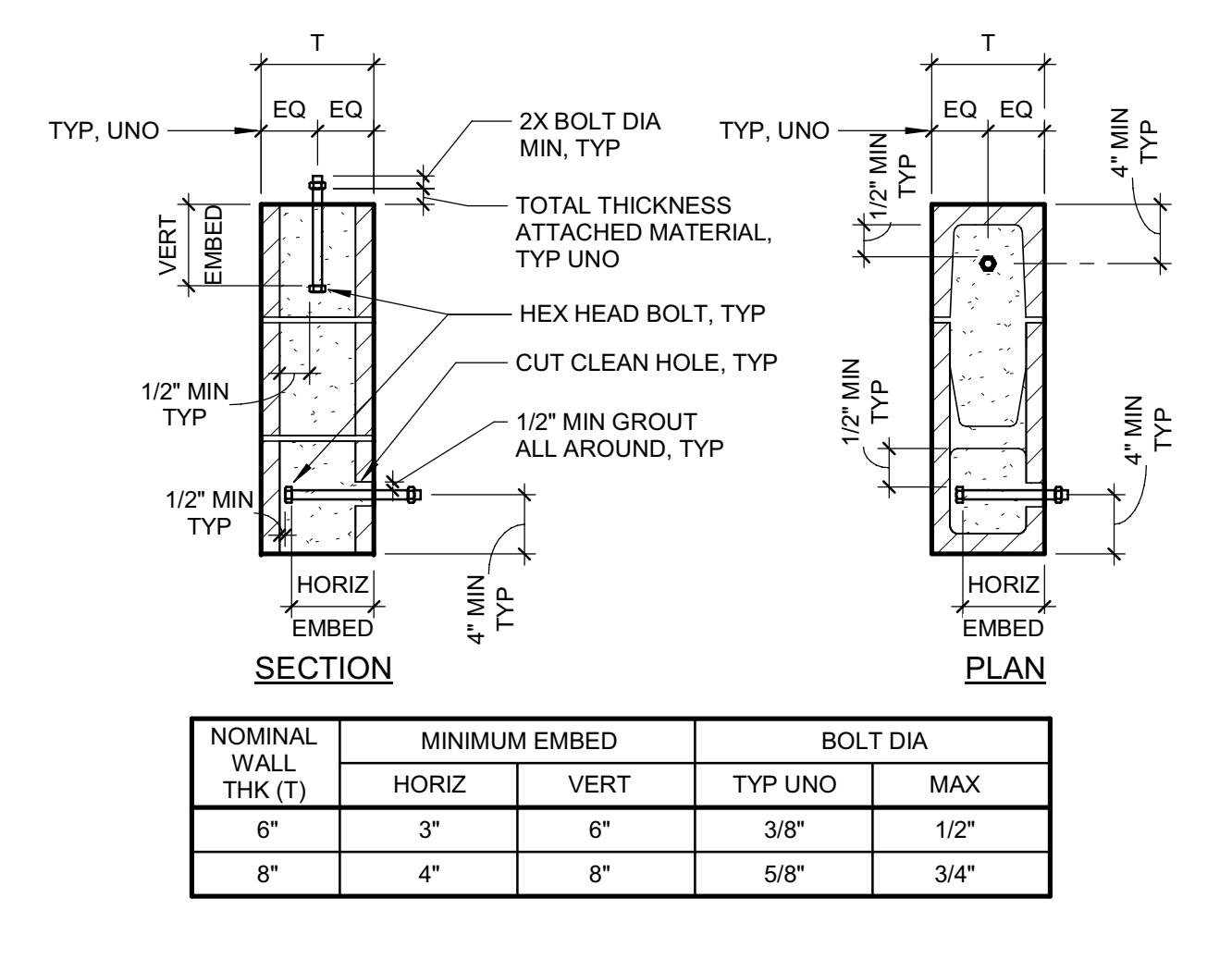
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 S\_048200\_T017A  
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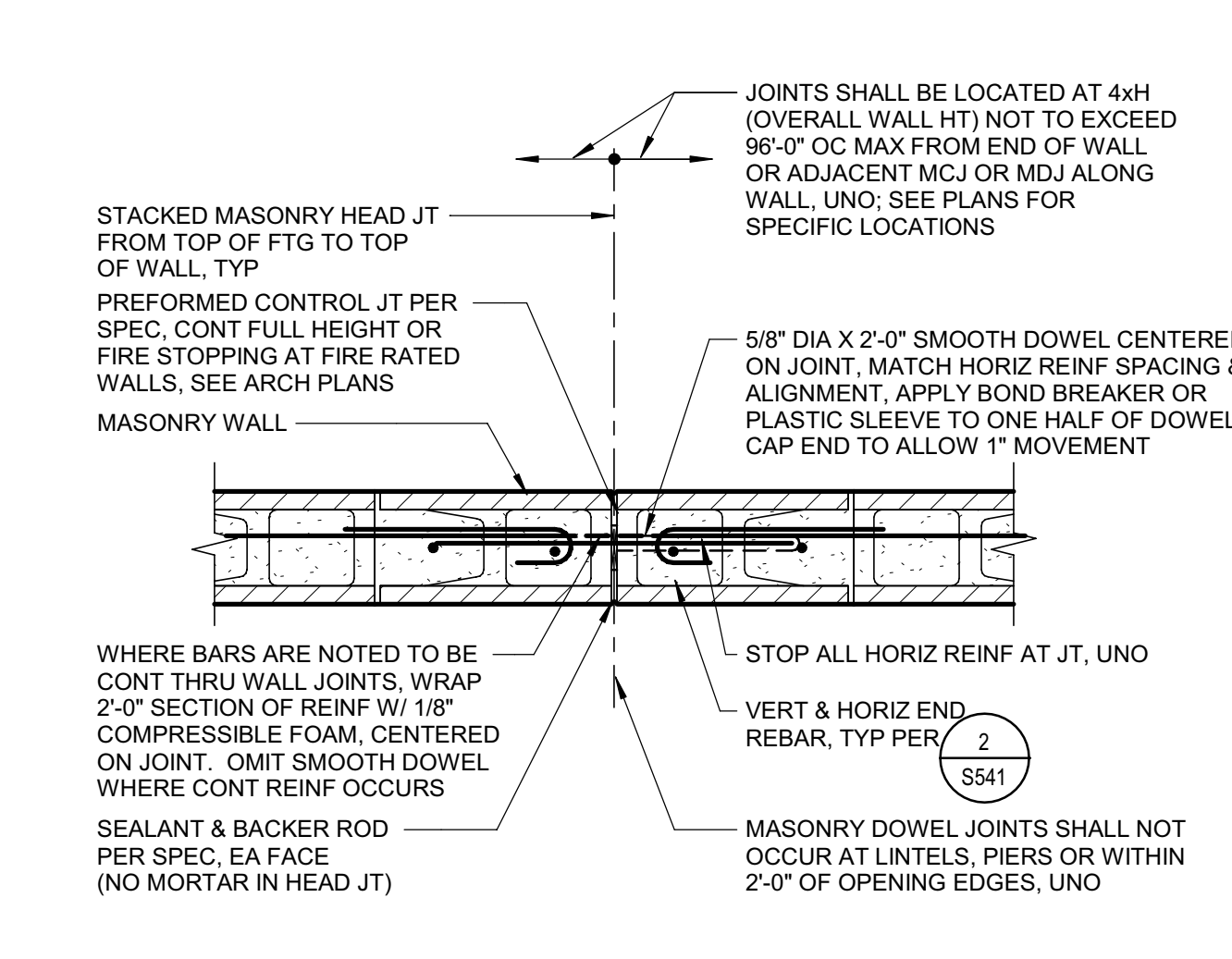
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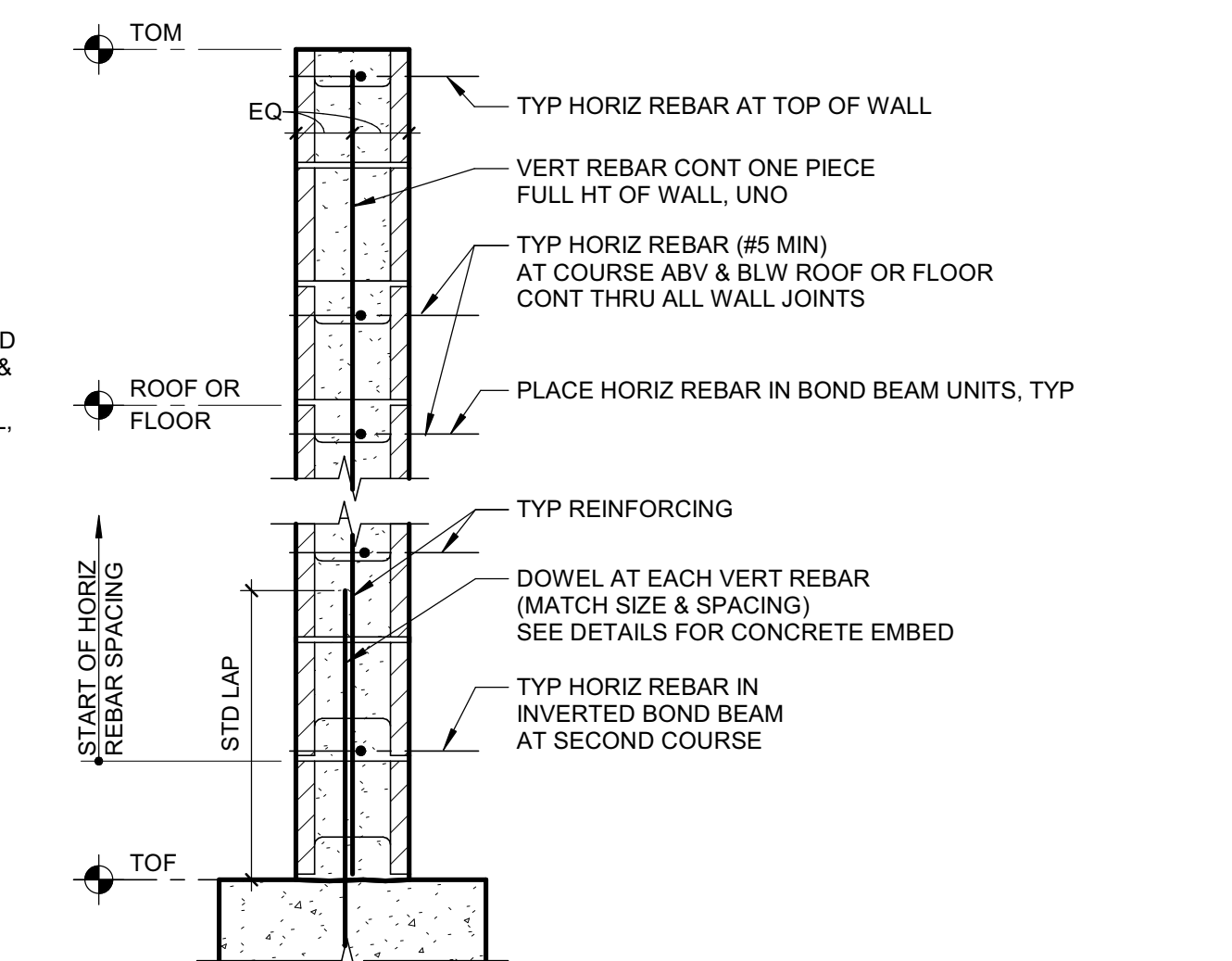
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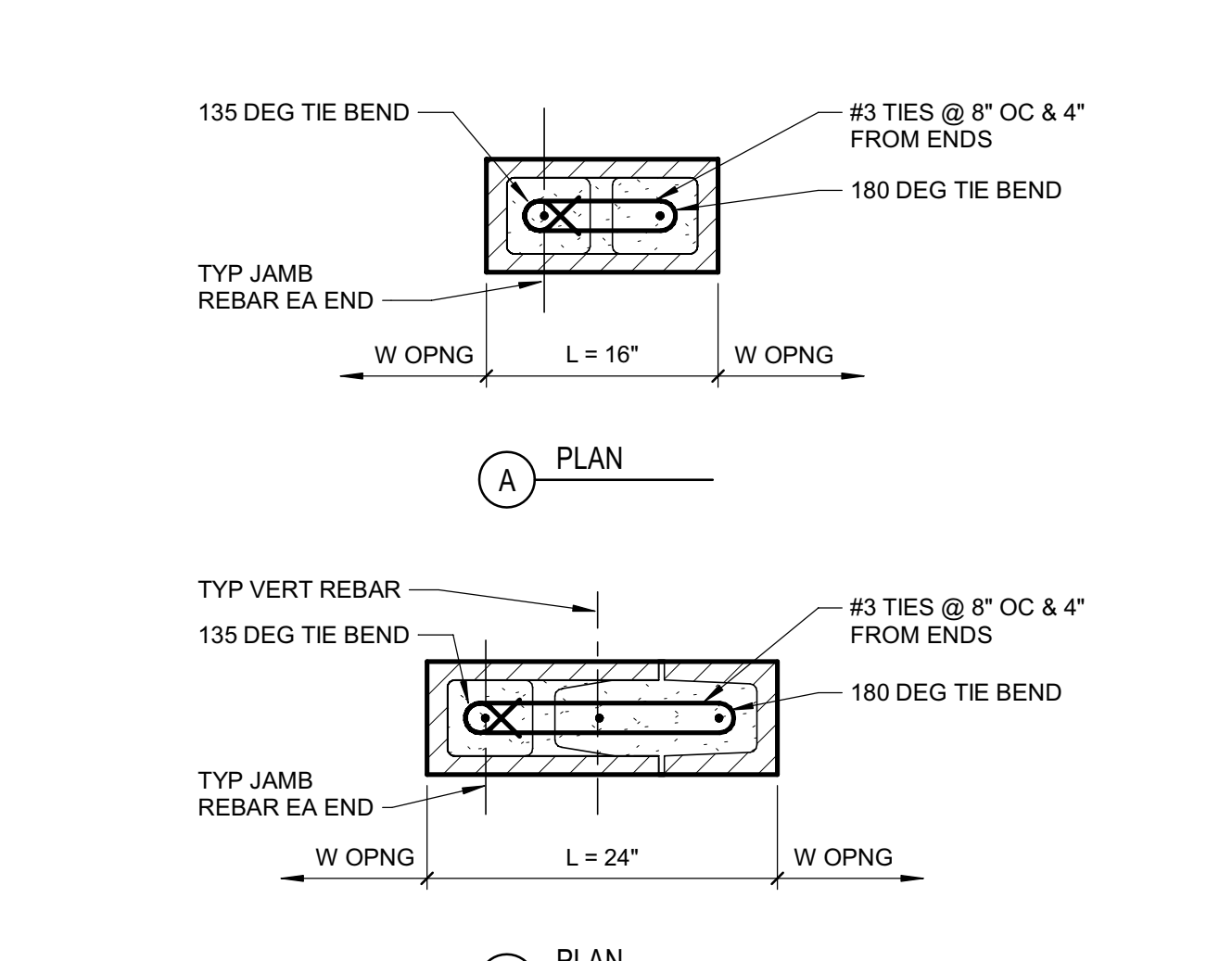
**11 TYP BOLT EMBED IN MASONRY**  
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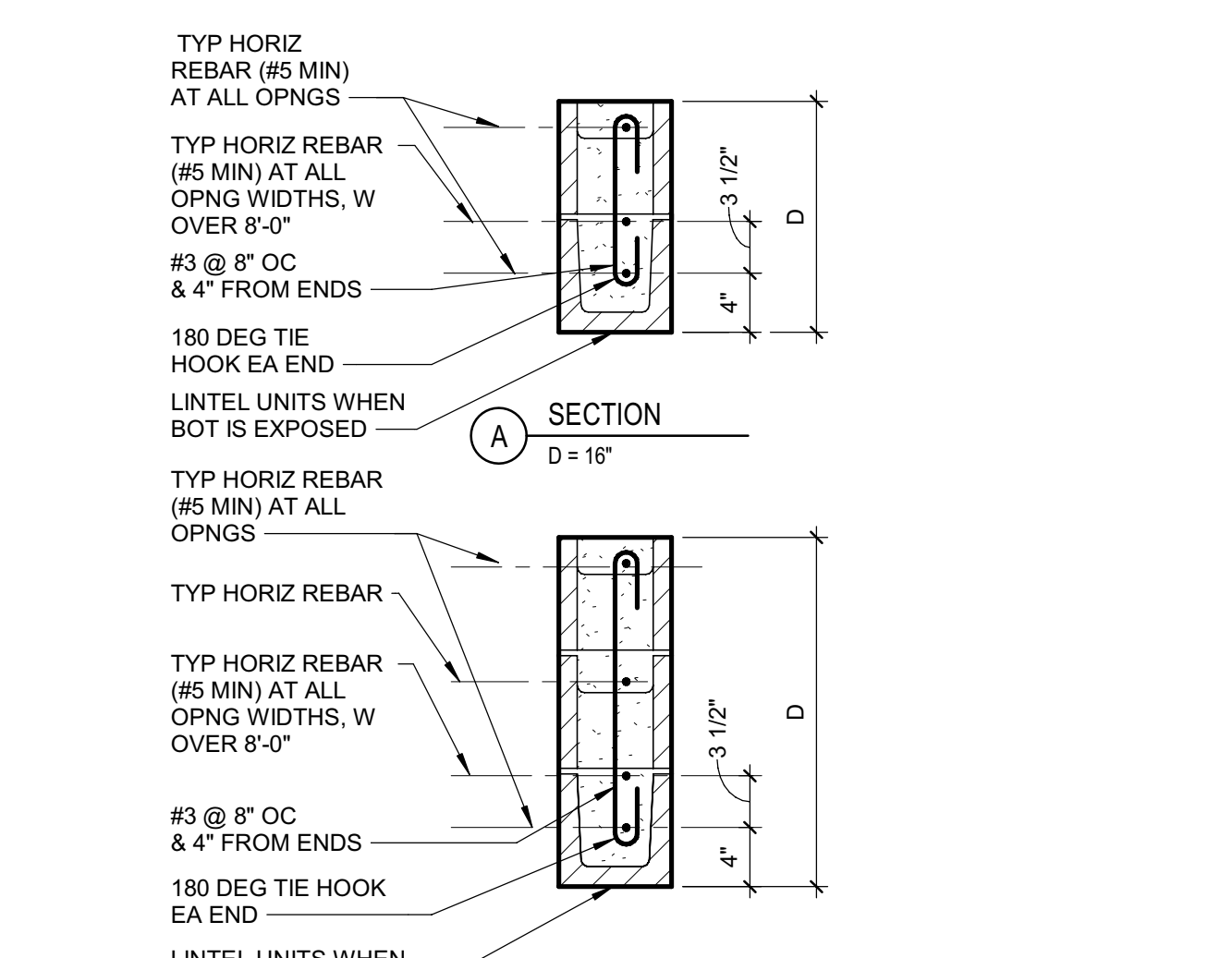
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 SCALE: NTS  
 S\_048200\_T069A  
 190425



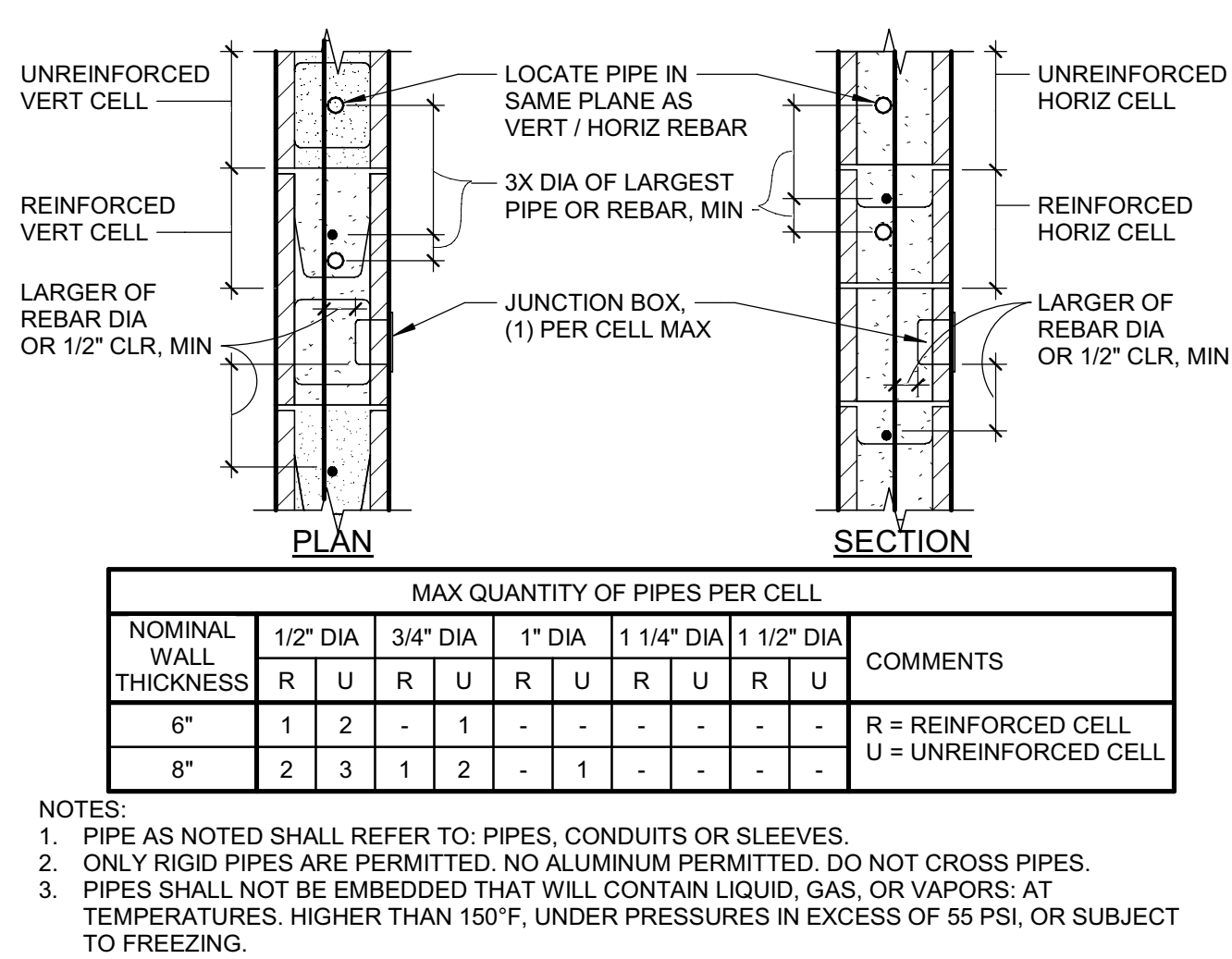
**19 TYP MASONRY WALL REINF**  
 SCALE: NTS  
 S\_048200\_T024B  
 190076



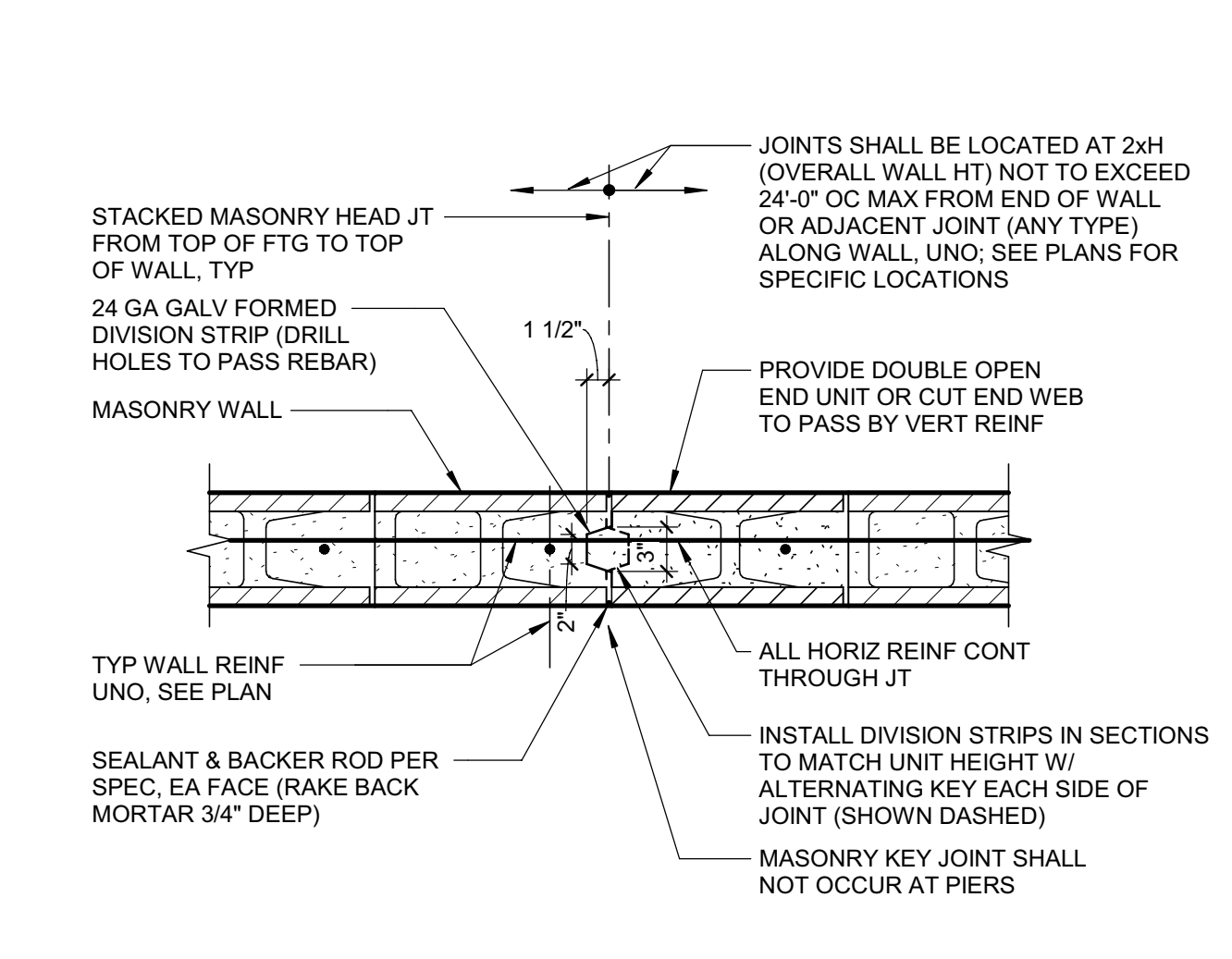
**4 TYP MASONRY SHORT PIER**  
 1" = 1'-0"  
 S\_048200\_T059A  
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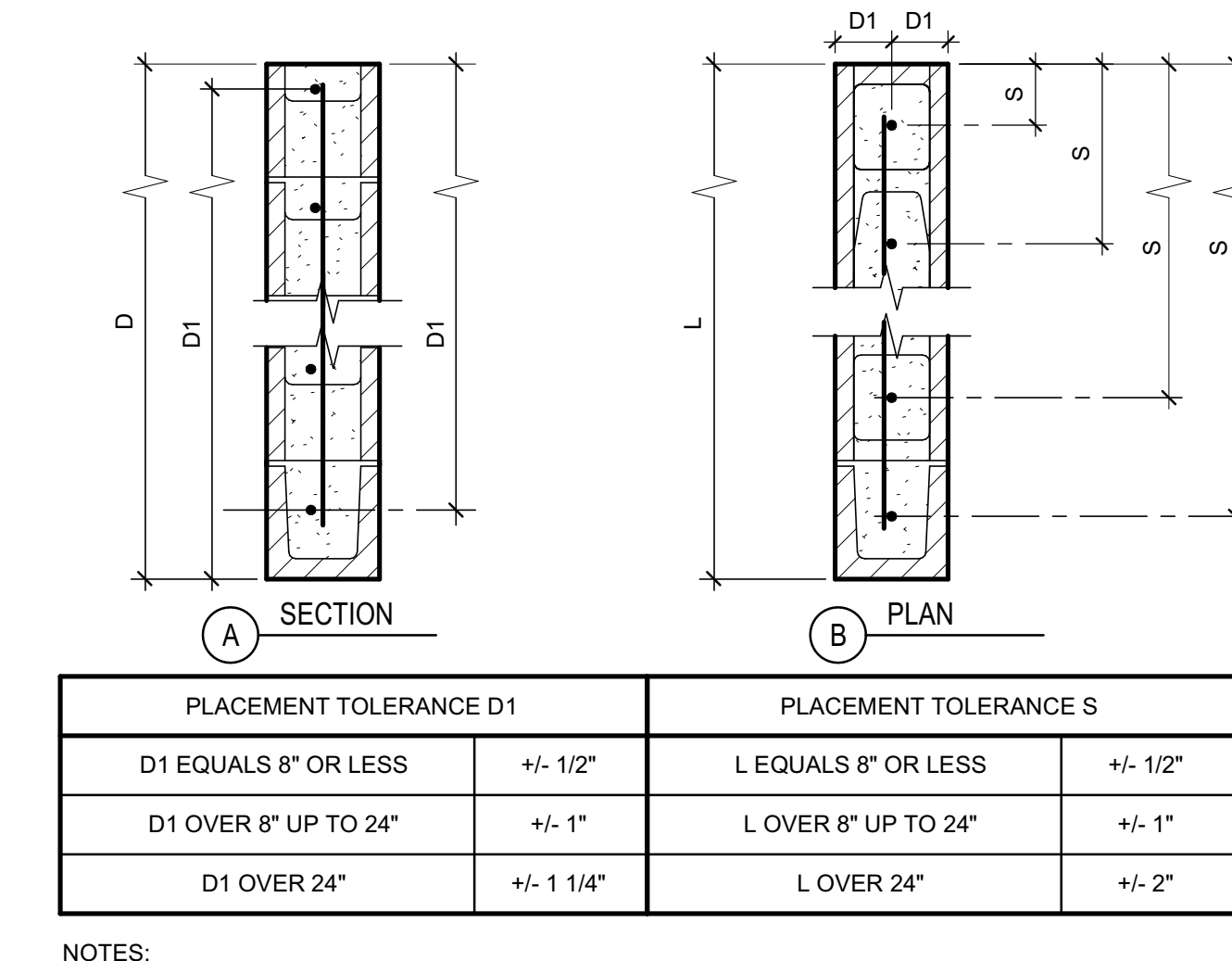
**8 TYP MASONRY SHALLOW LINTEL**  
 1" = 1'-0"  
 S\_048200\_T059A  
 190076



**12 TYP PIPE EMBED IN MASONRY**  
 SCALE: NTS  
 S\_048200\_T039A  
 150427



**16 TYP MASONRY KEY JOINT**  
 SCALE: NTS  
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 150427



**20 TYP MASONRY REINF TOLERANCE**  
 SCALE: NTS  
 S\_048200\_T023B  
 150076

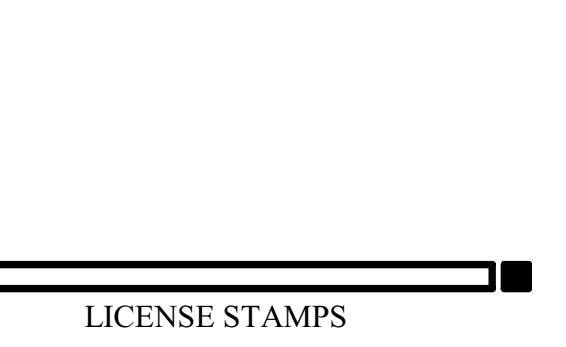


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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**DETAILS - TYPICAL MASONRY**

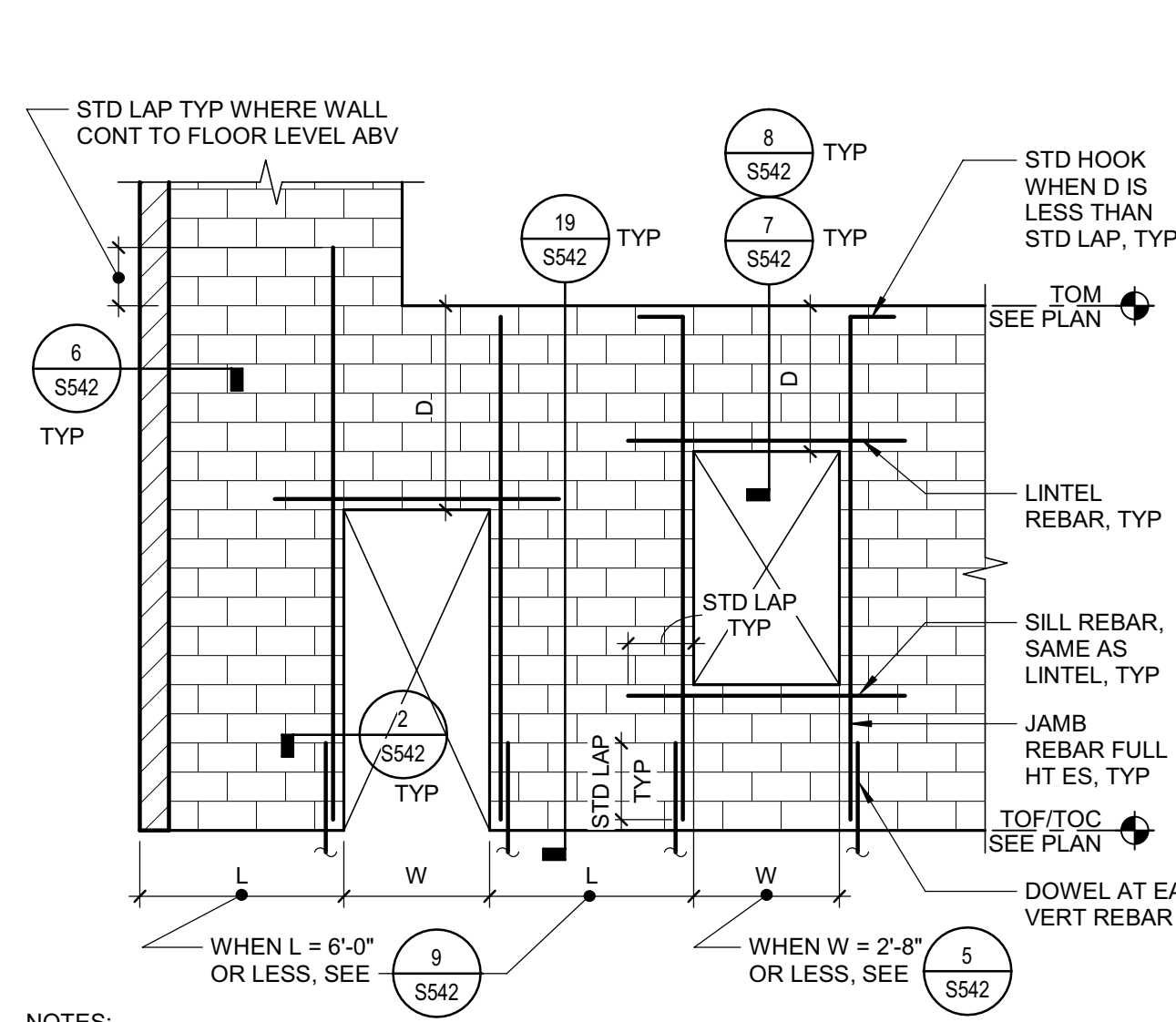
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

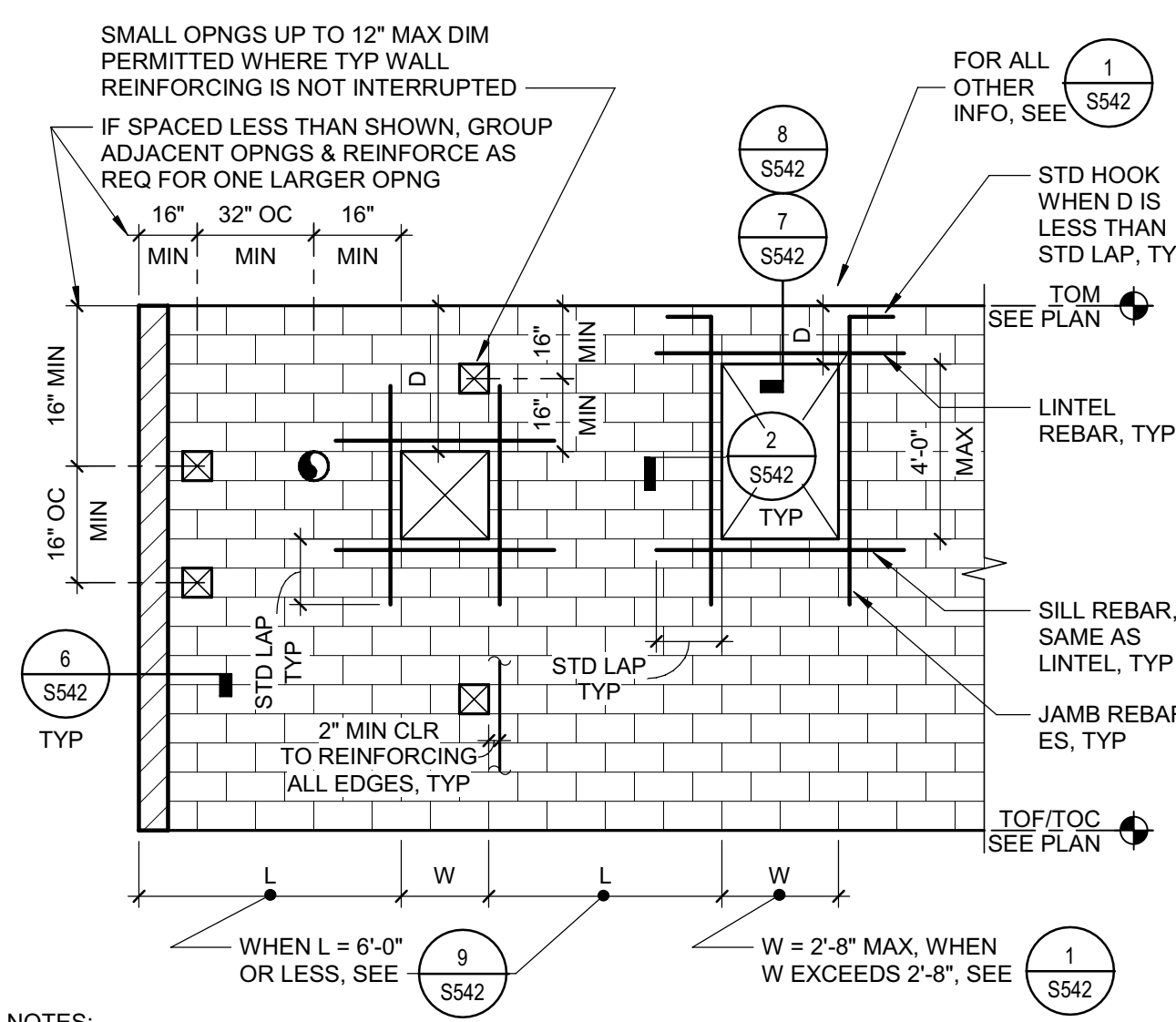
Svnt.	Description	Date

Drawn By **PAB**  
 Date Issued **07.29.2022**  
 Scale **As indicated**  
 Project No. **016205.01**

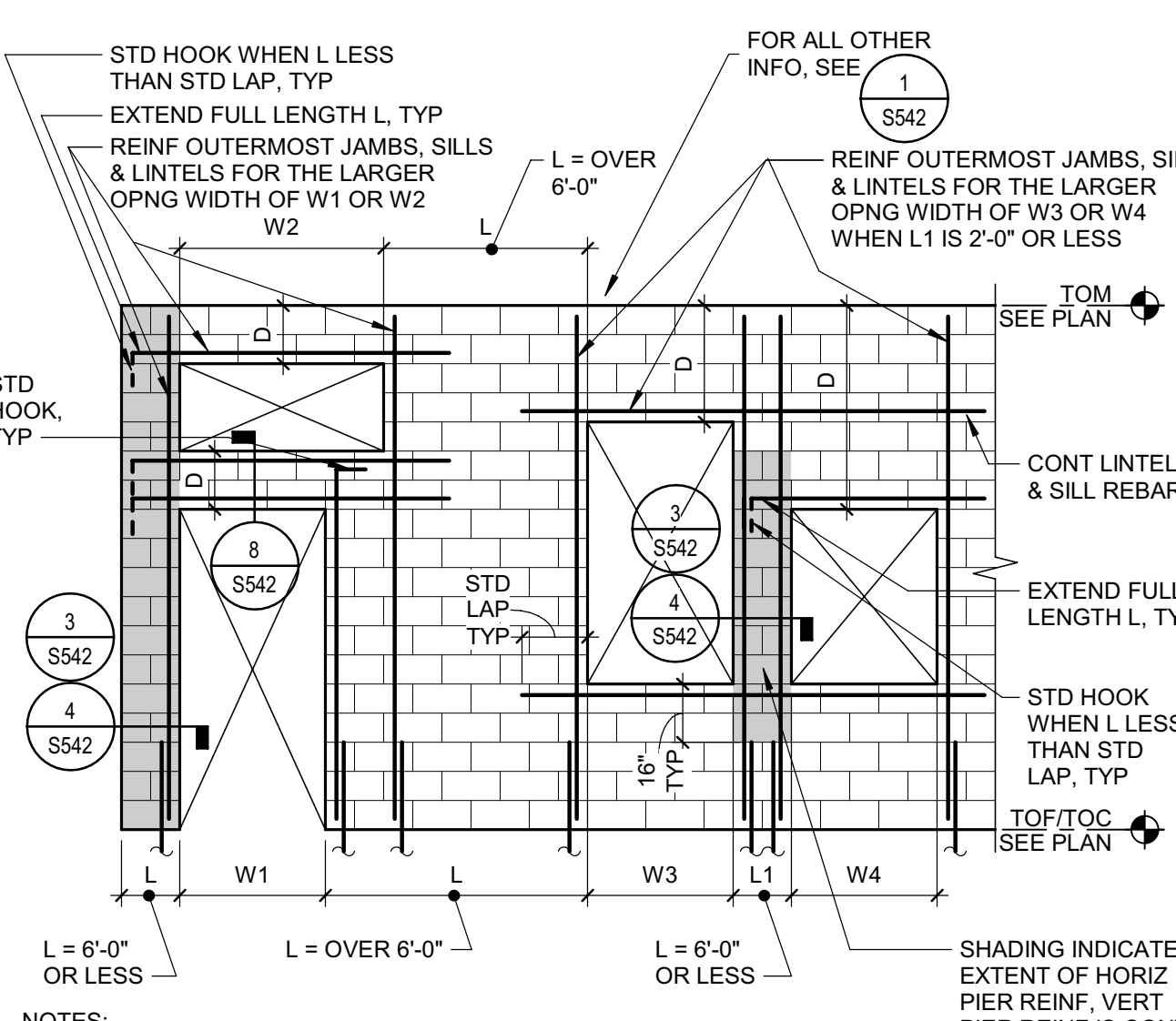
SHEET No.  
**S541 V4**



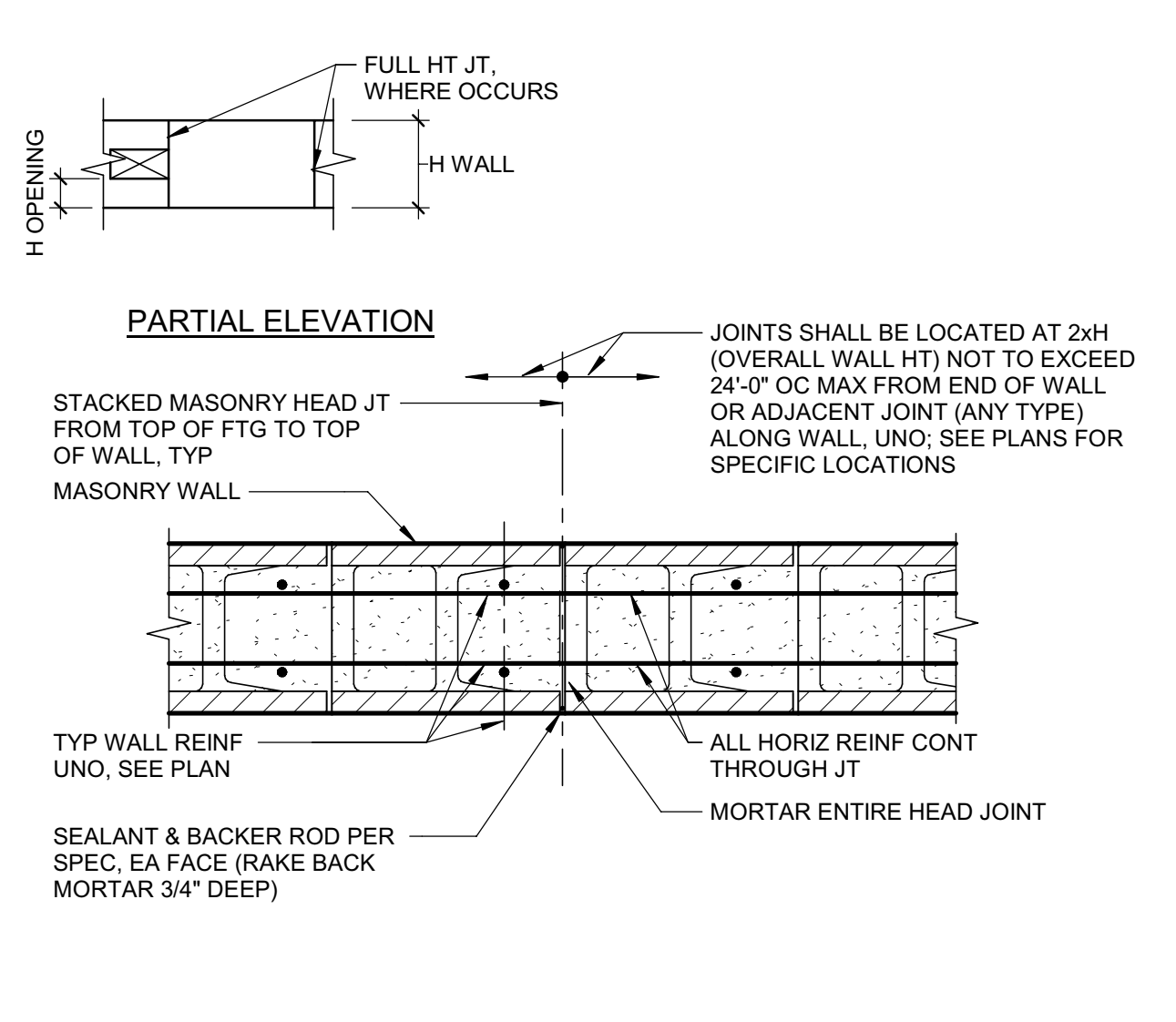
**1 TYP MASONRY LARGE OPNGS**  
SCALE: NTS  
S: 048200\_T020E  
150427



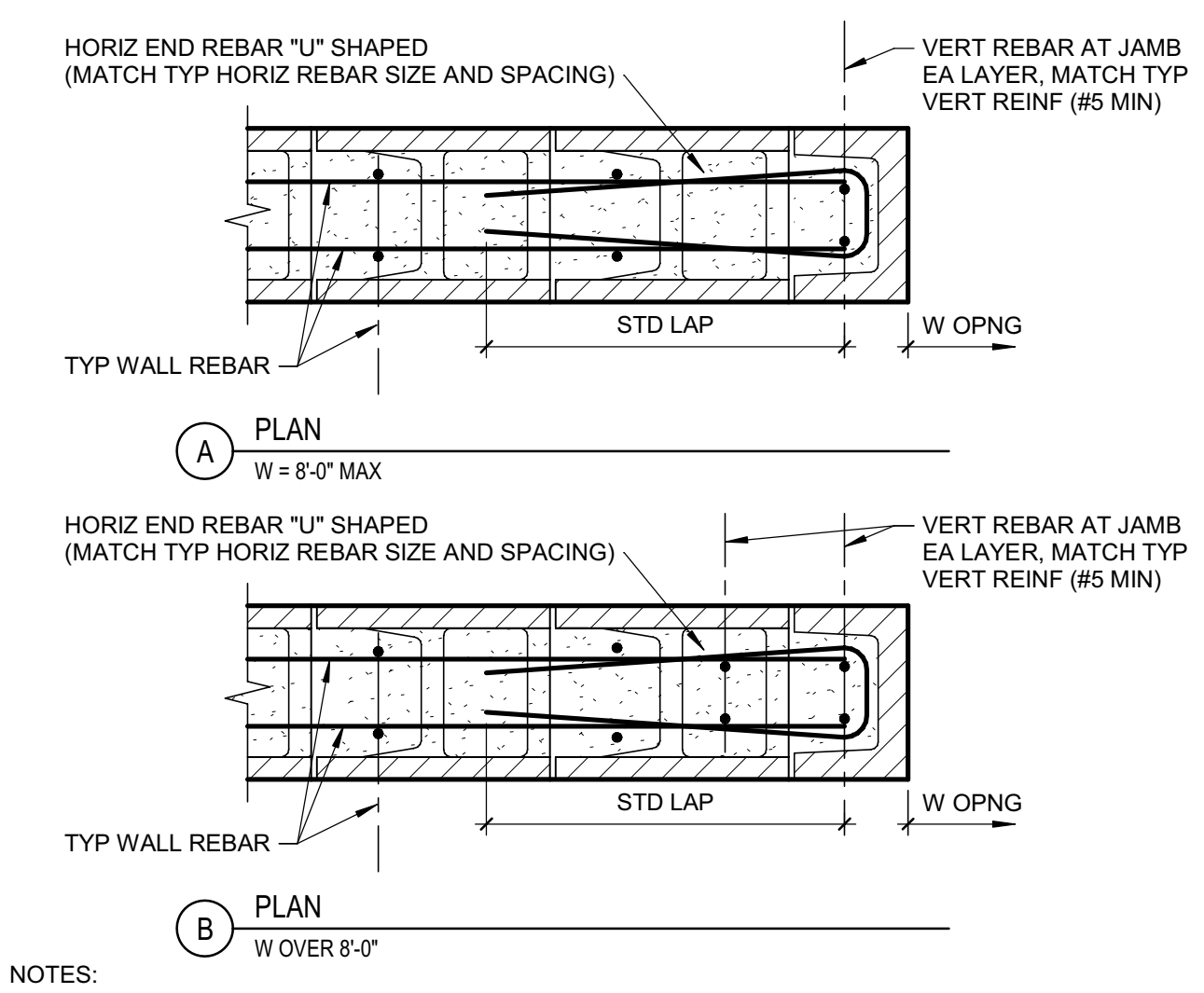
**5 TYP MASONRY SMALL OPNGS**  
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150427



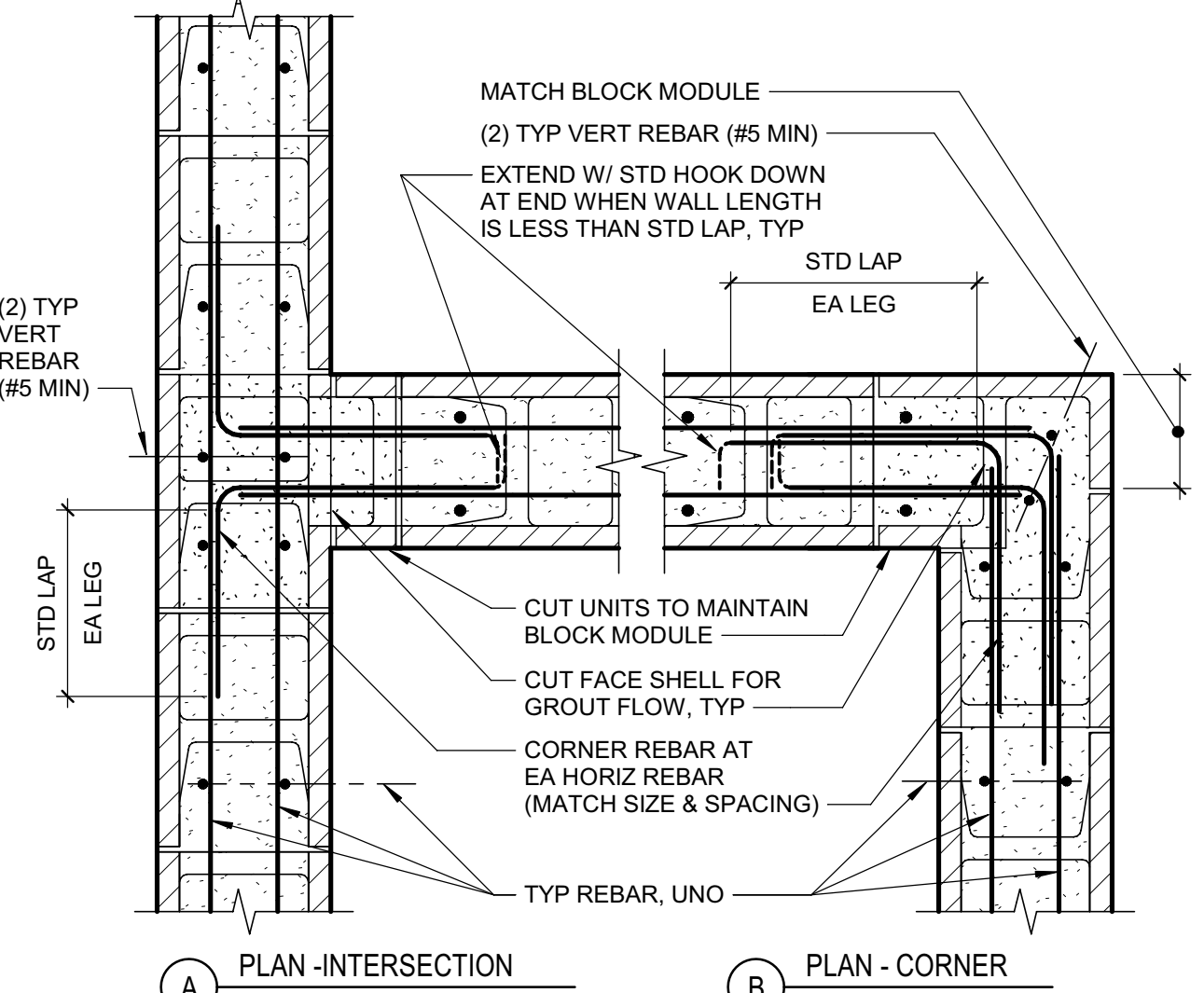
**9 TYP MASONRY ADJACENT OPNGS**  
SCALE: NTS  
S: 048200\_T020G  
150427



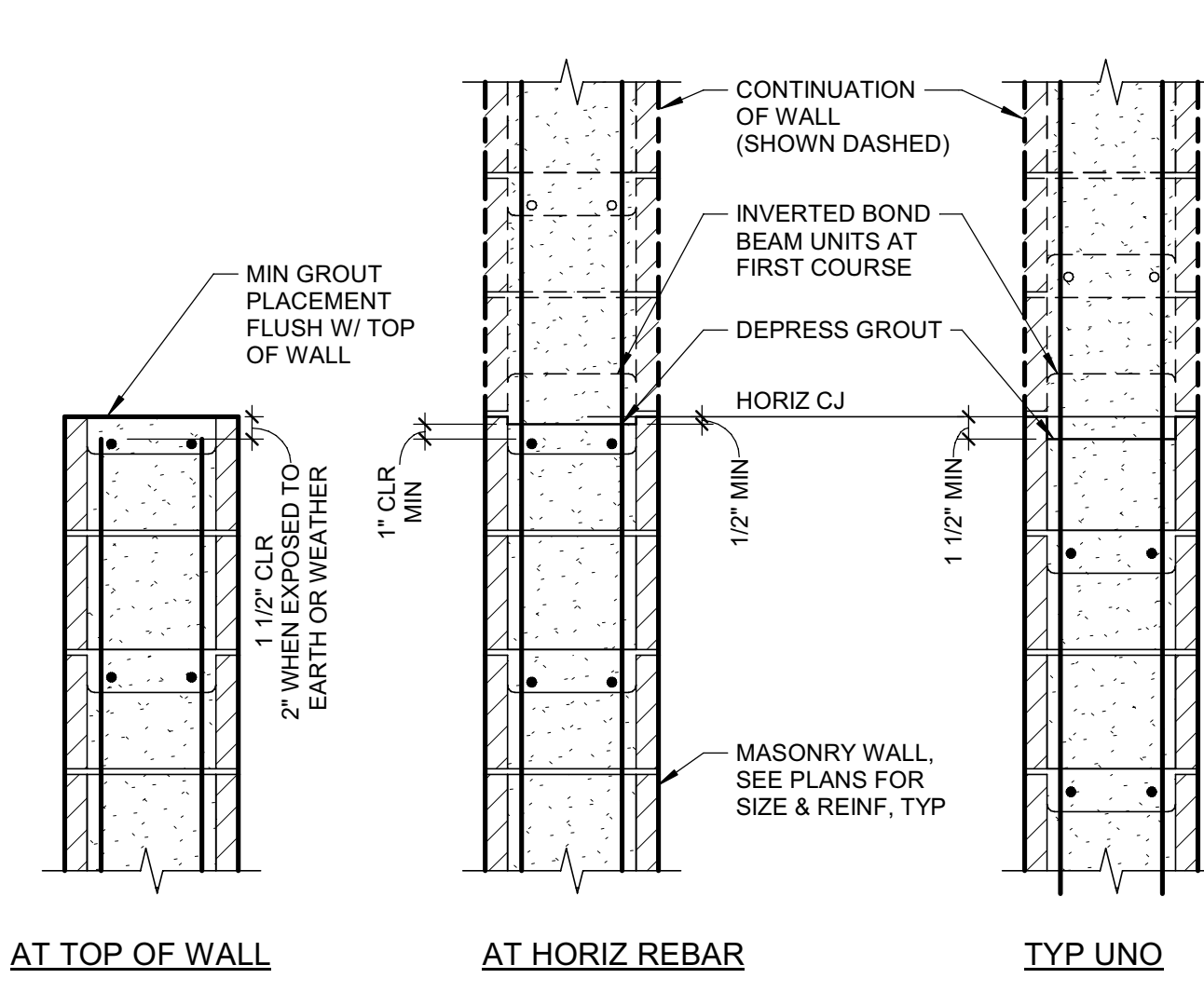
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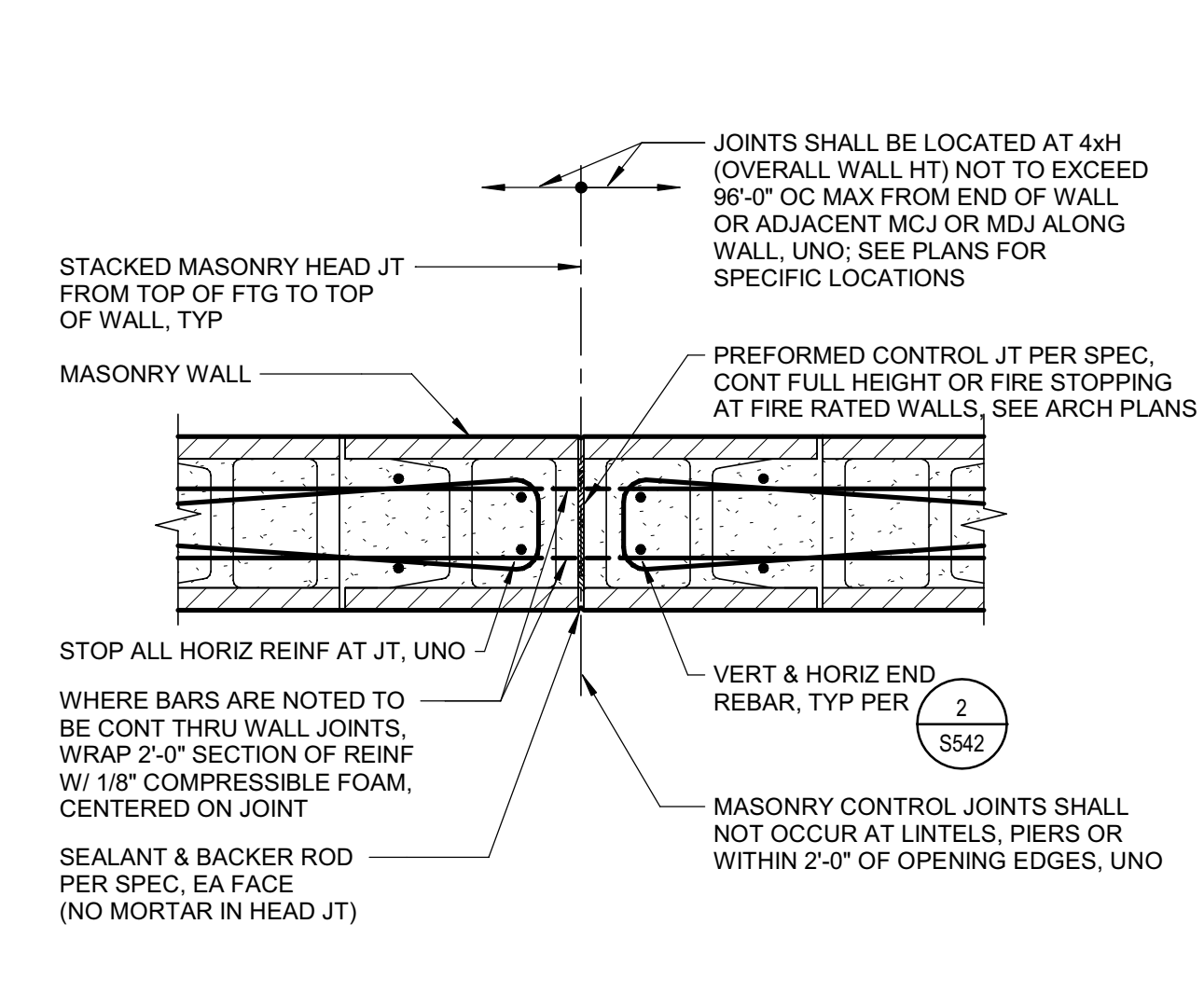
**2 TYP MASONRY JAMB / END**  
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S: 048200\_T020B  
150429



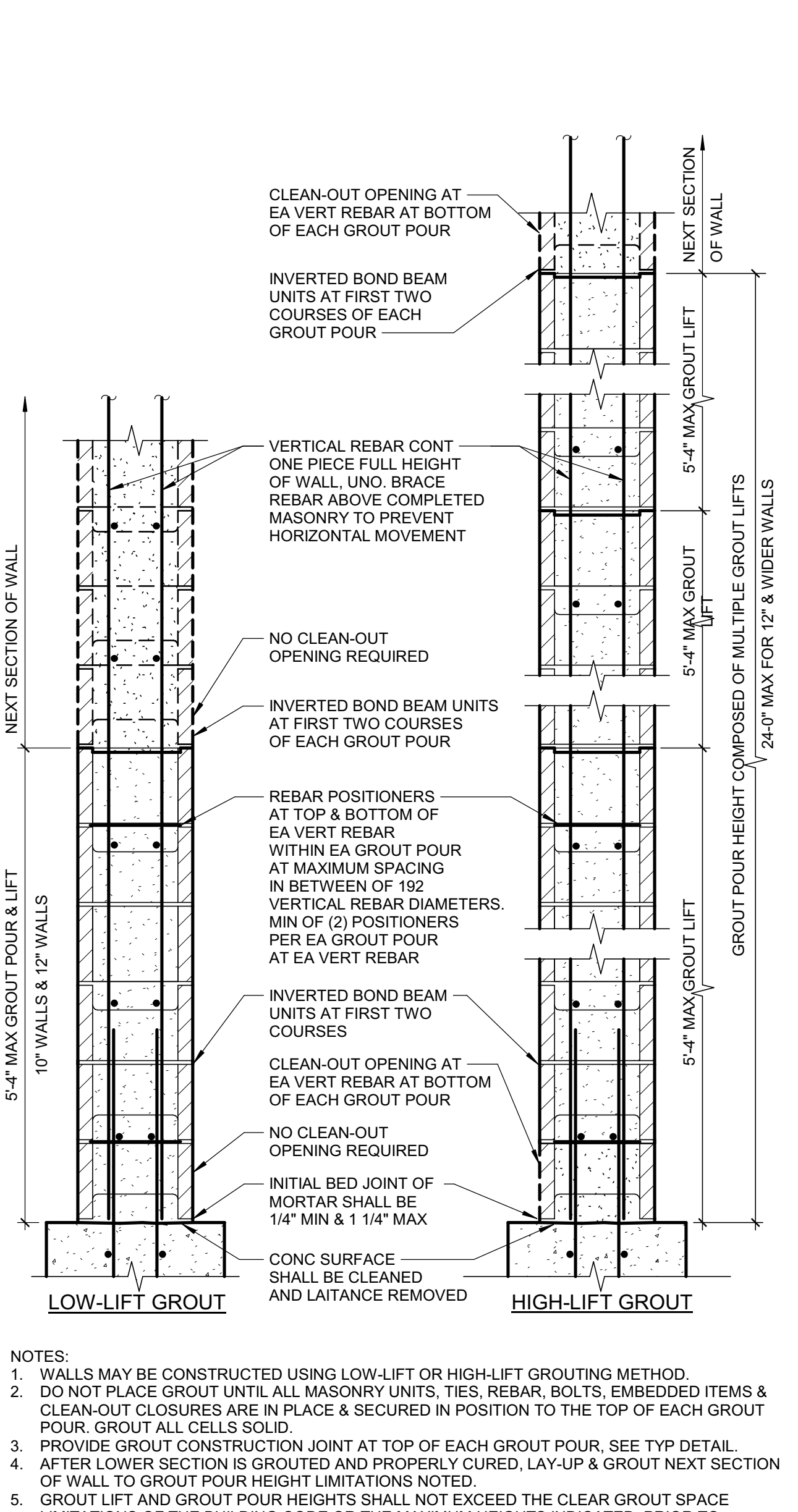
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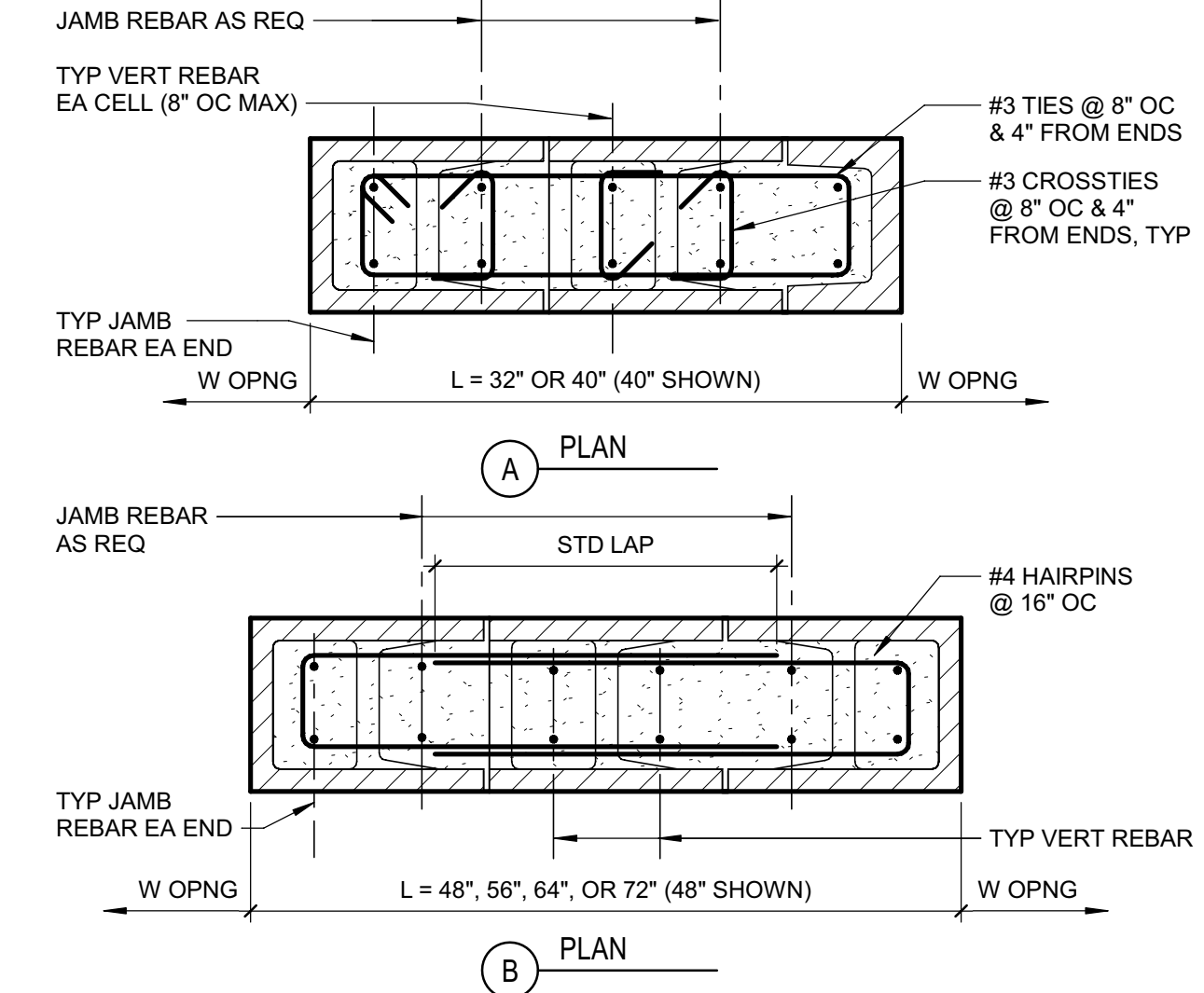
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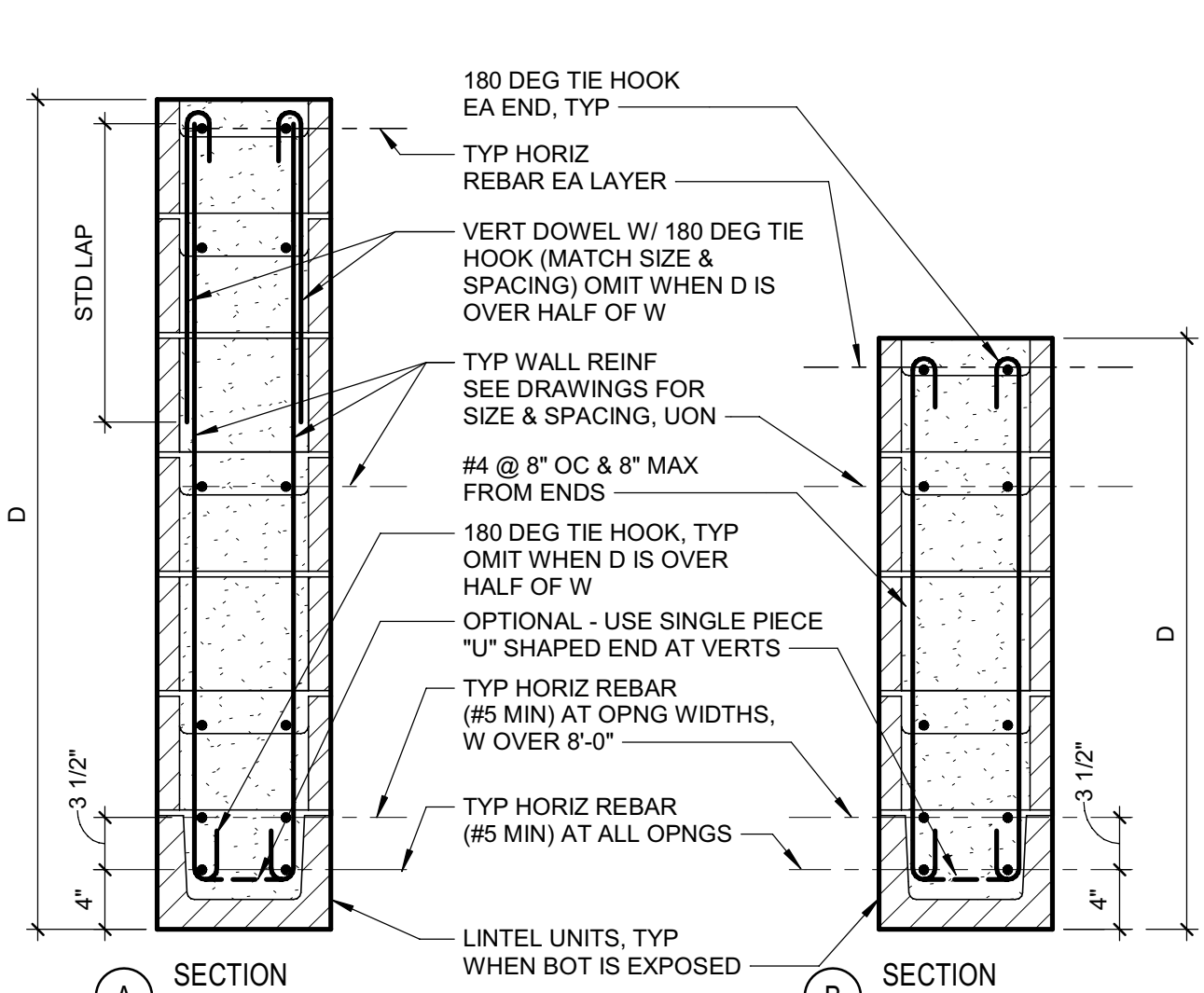
**14 TYP MASONRY CONTROL JOINT**  
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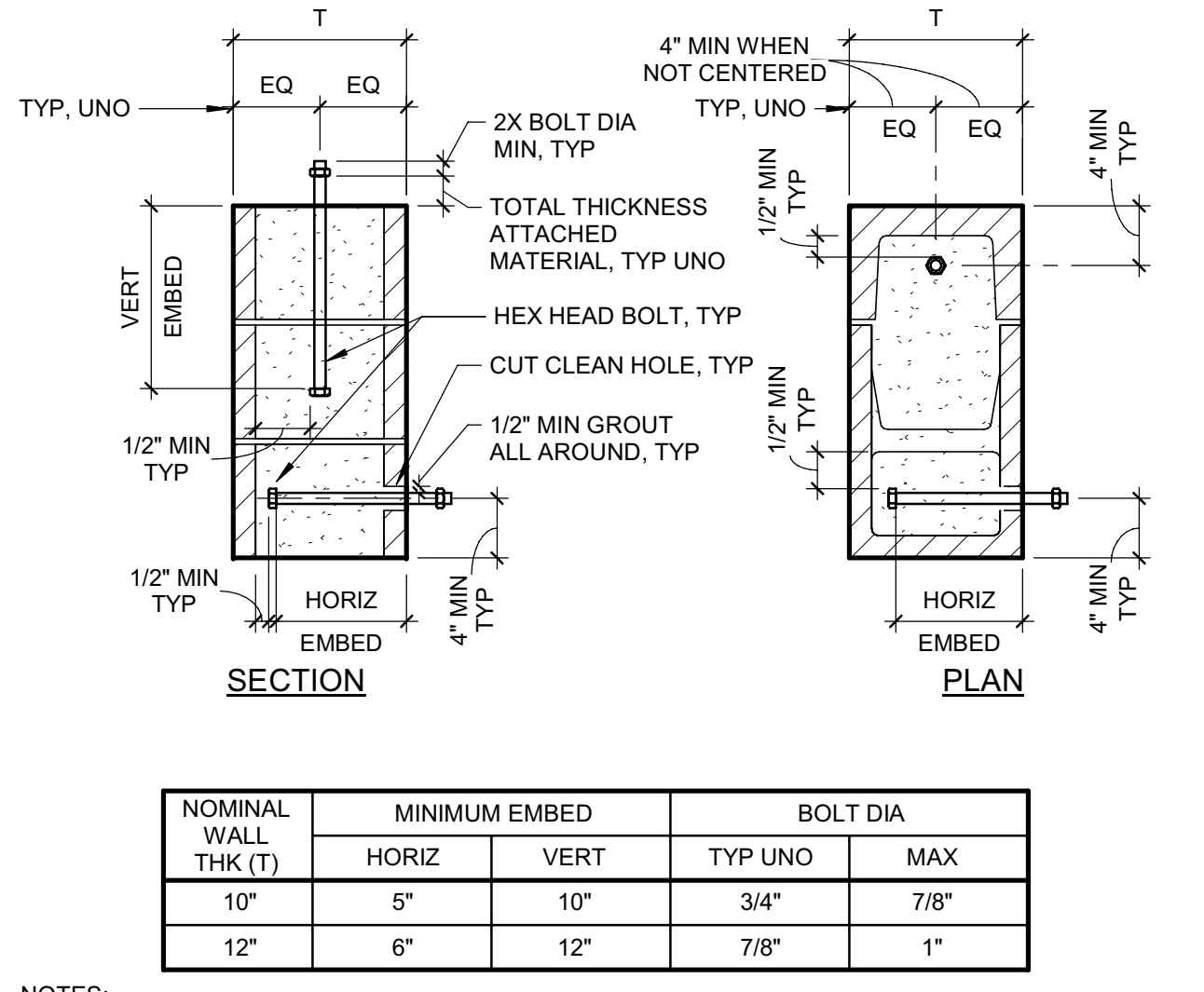
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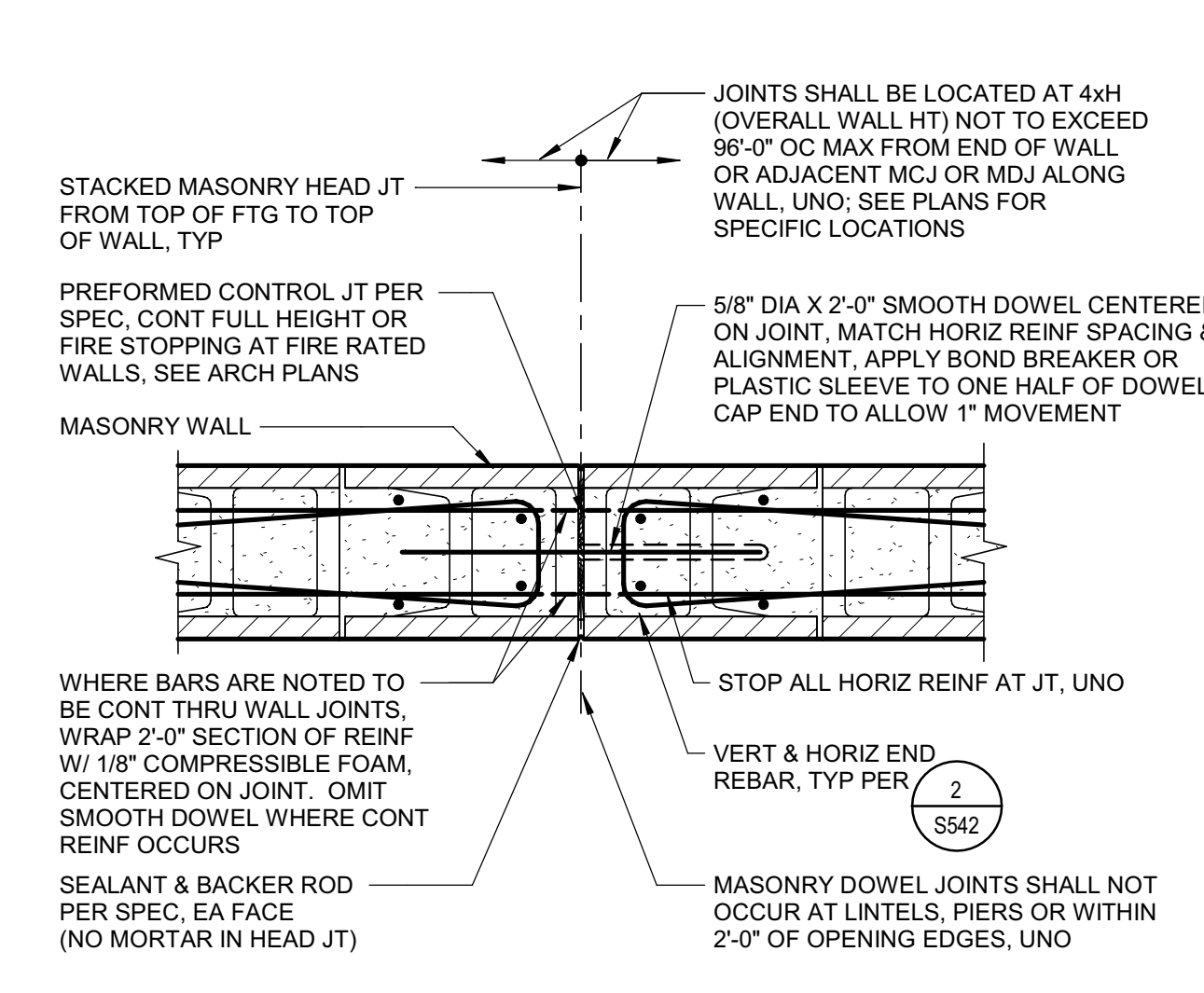
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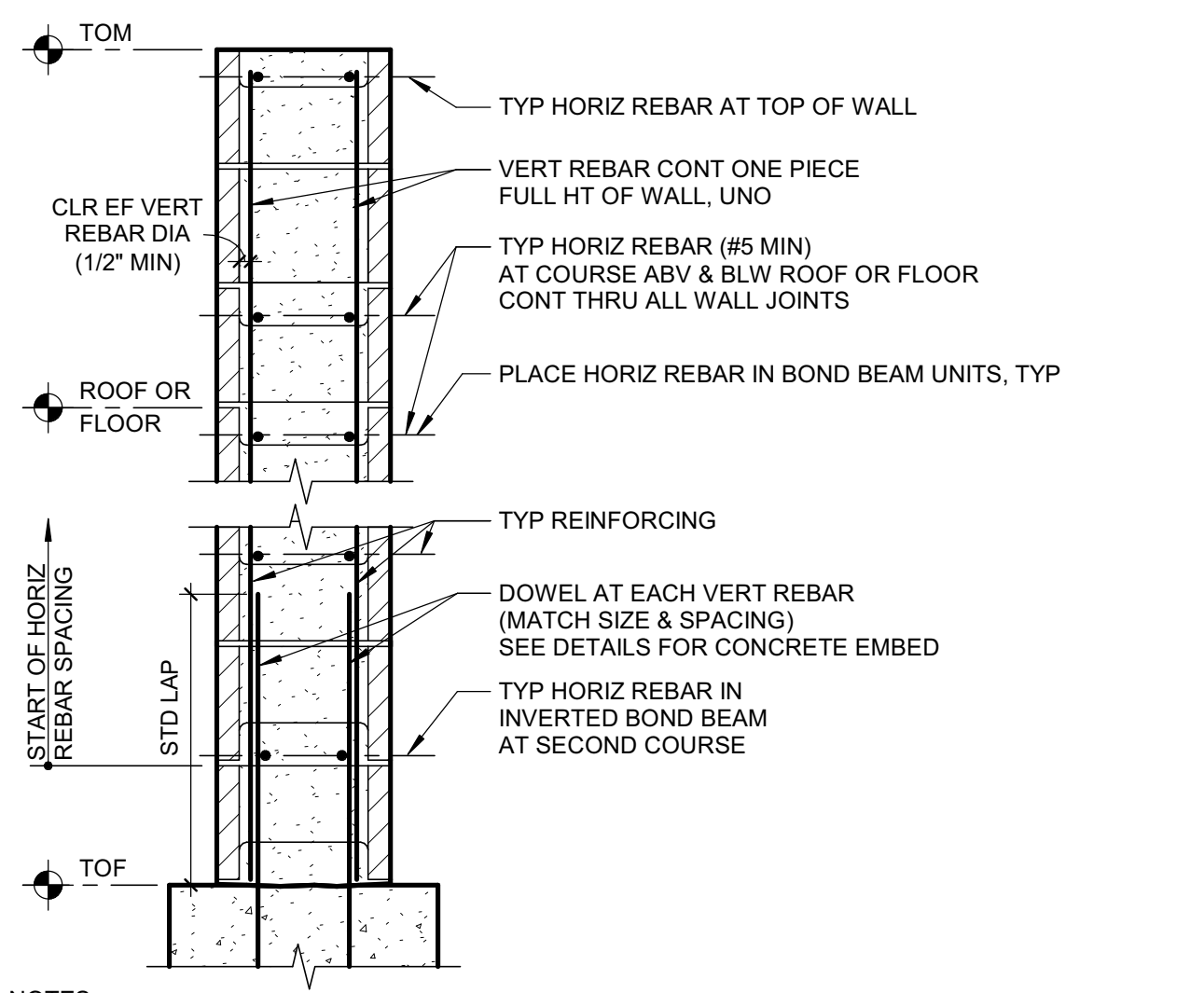
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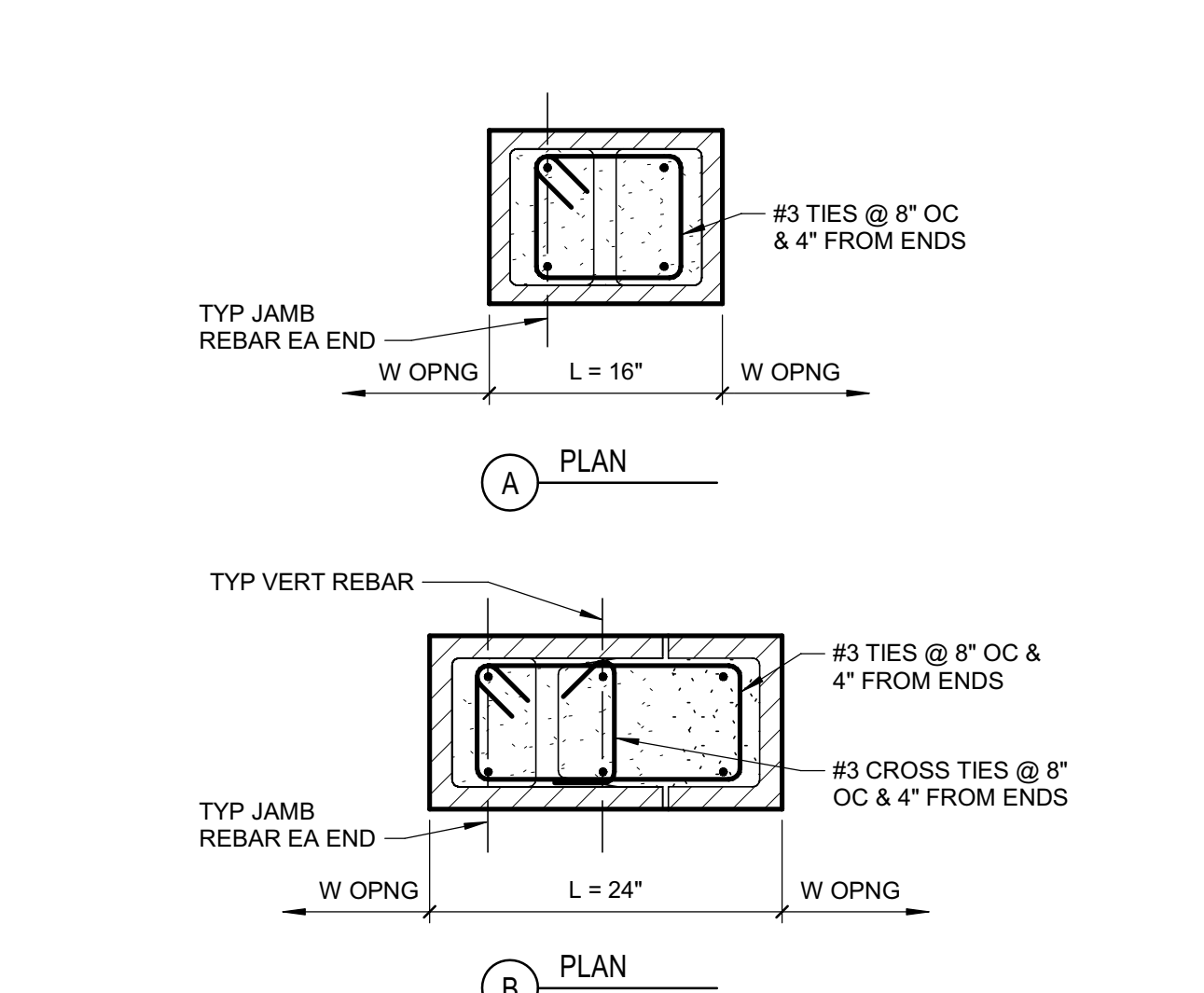
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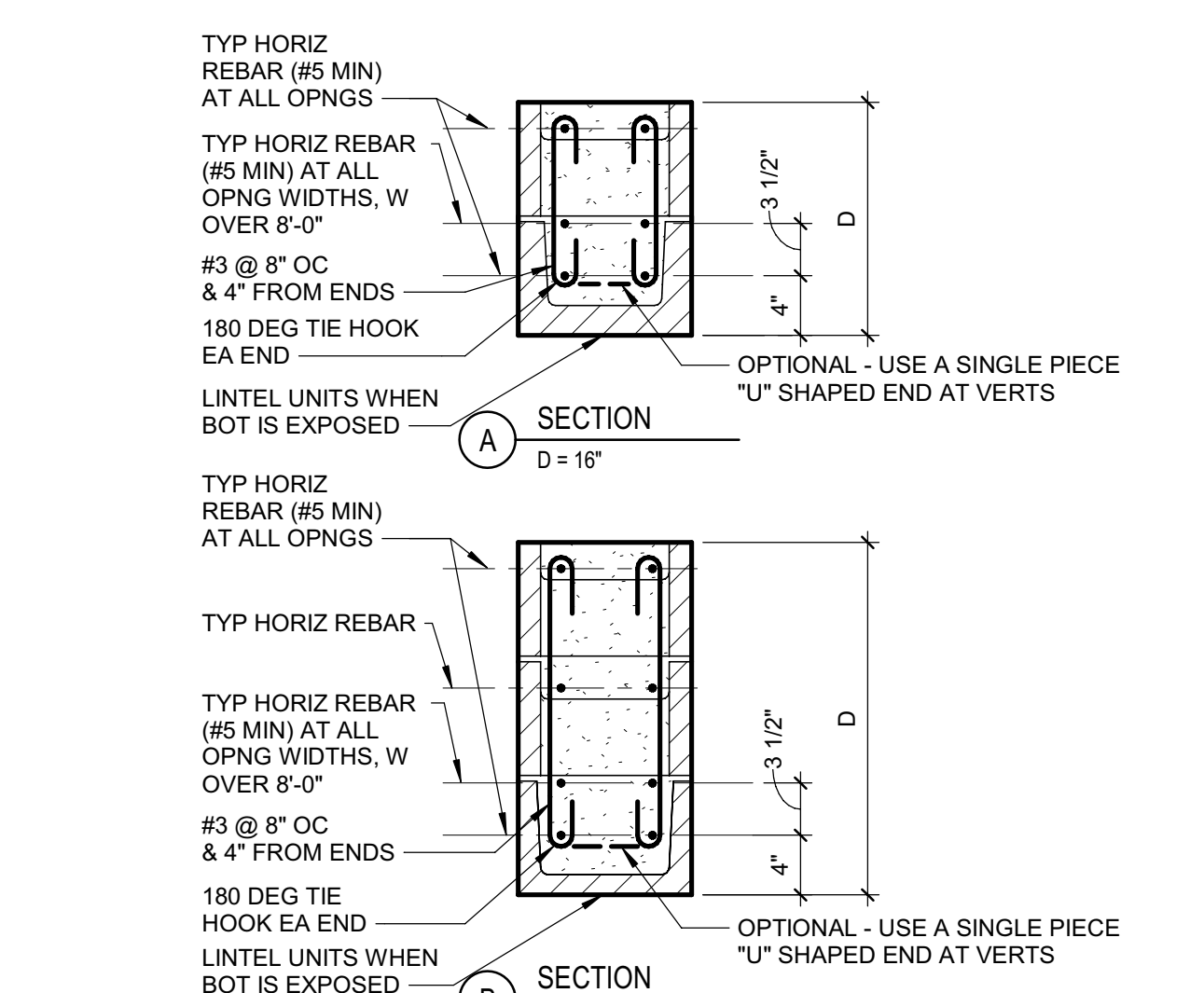
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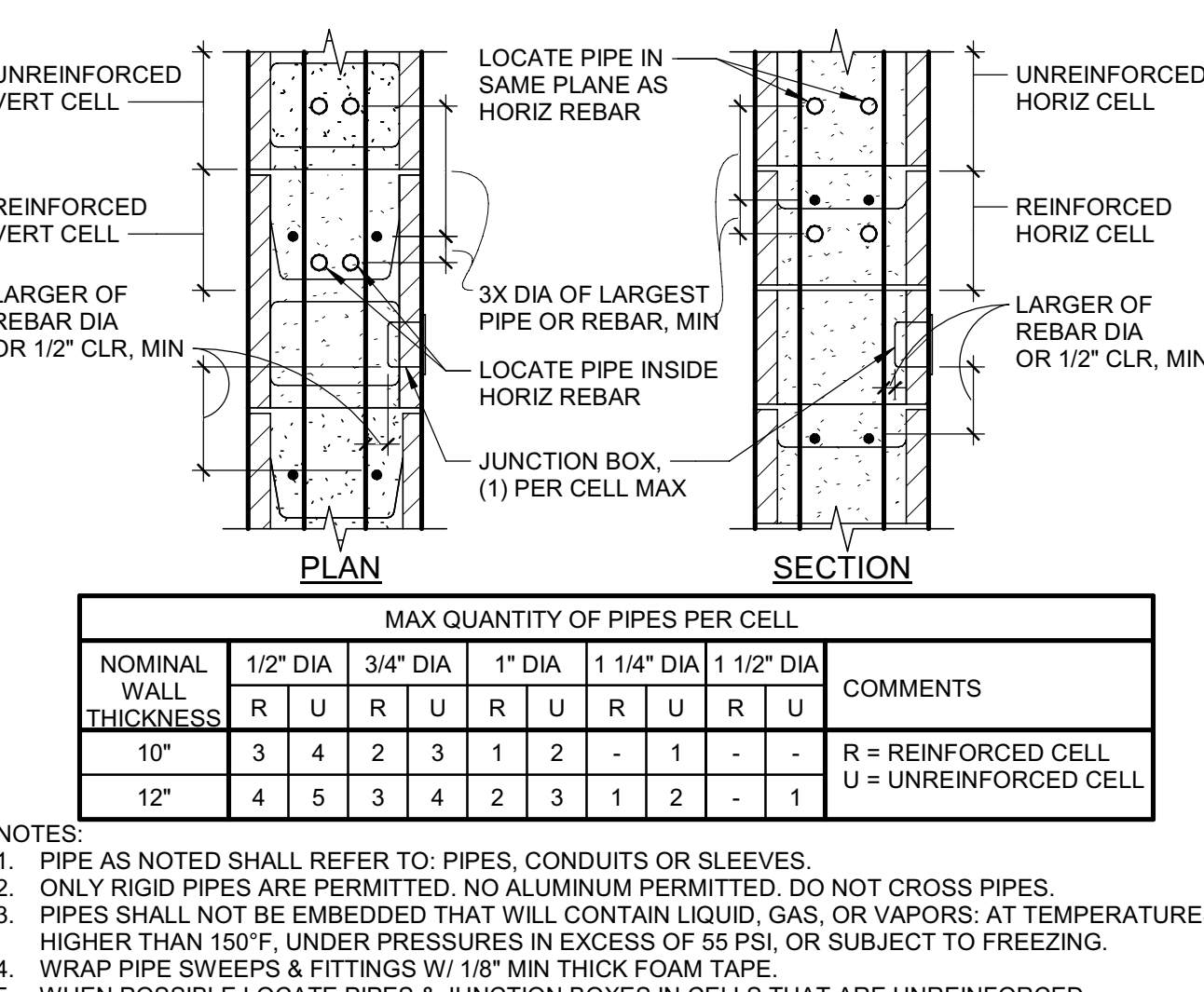
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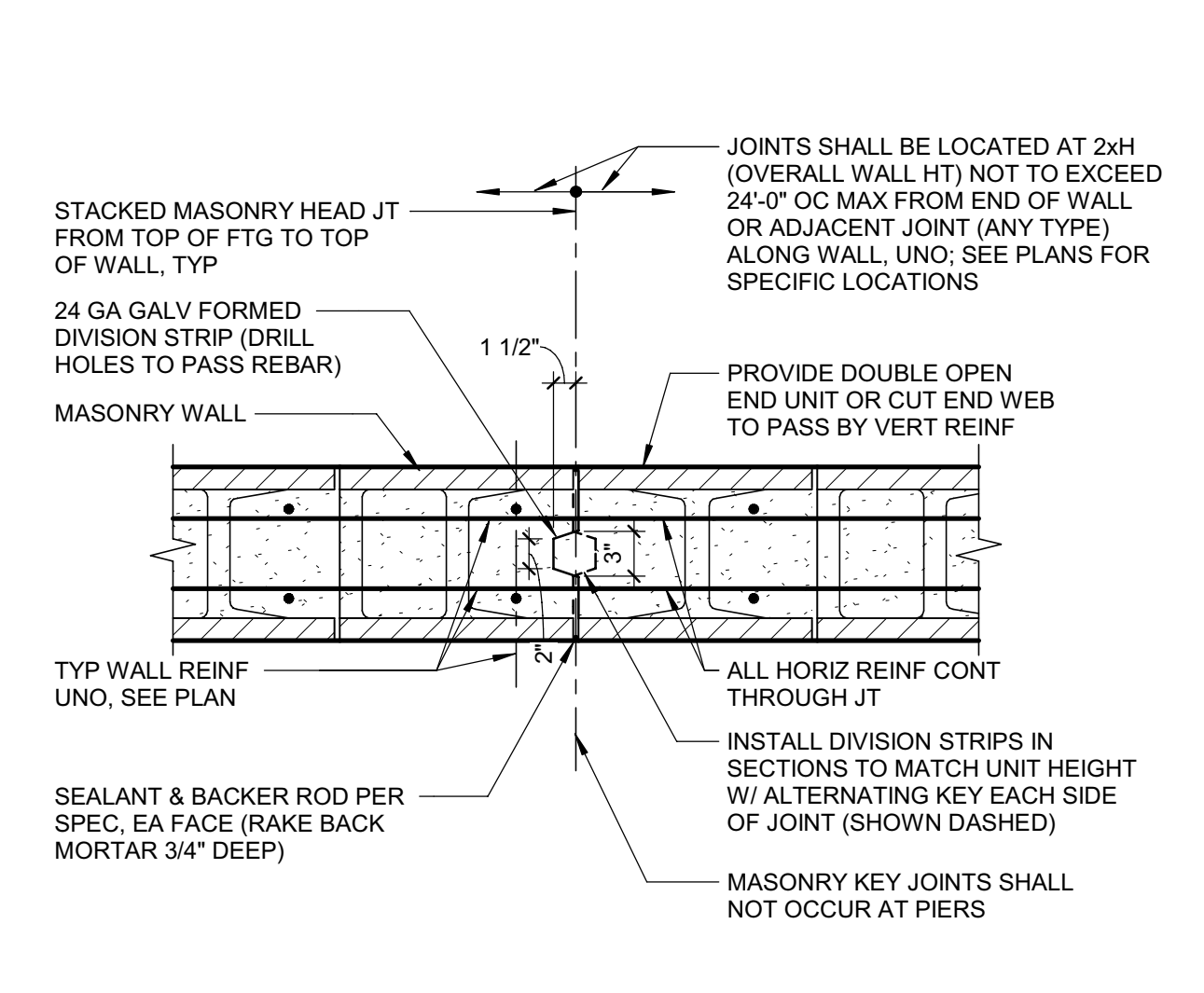
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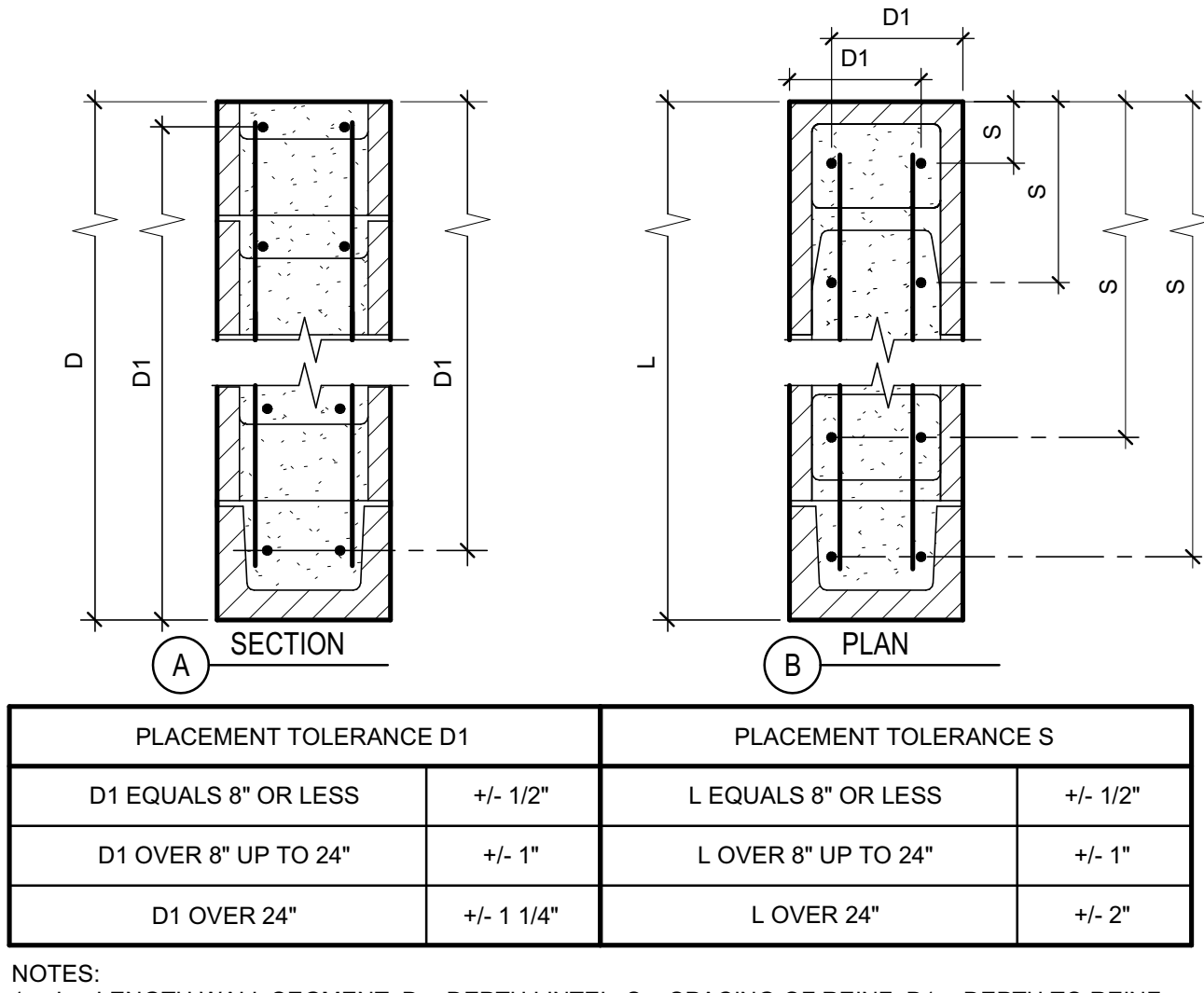
**8 TYP MASONRY SHALLOW LINTEL**  
SCALE: NTS  
S: 048200\_T050B  
150426



**12 TYP PIPE EMBED IN MASONRY**  
SCALE: NTS  
S: 048200\_T050B  
150427



**16 TYP MASONRY KEY JOINT**  
SCALE: NTS  
S: 048200\_T020B  
150427



**20 TYP MASONRY REIN TOLERANCE**  
SCALE: NTS  
S: 048200\_T020C  
050706



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**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

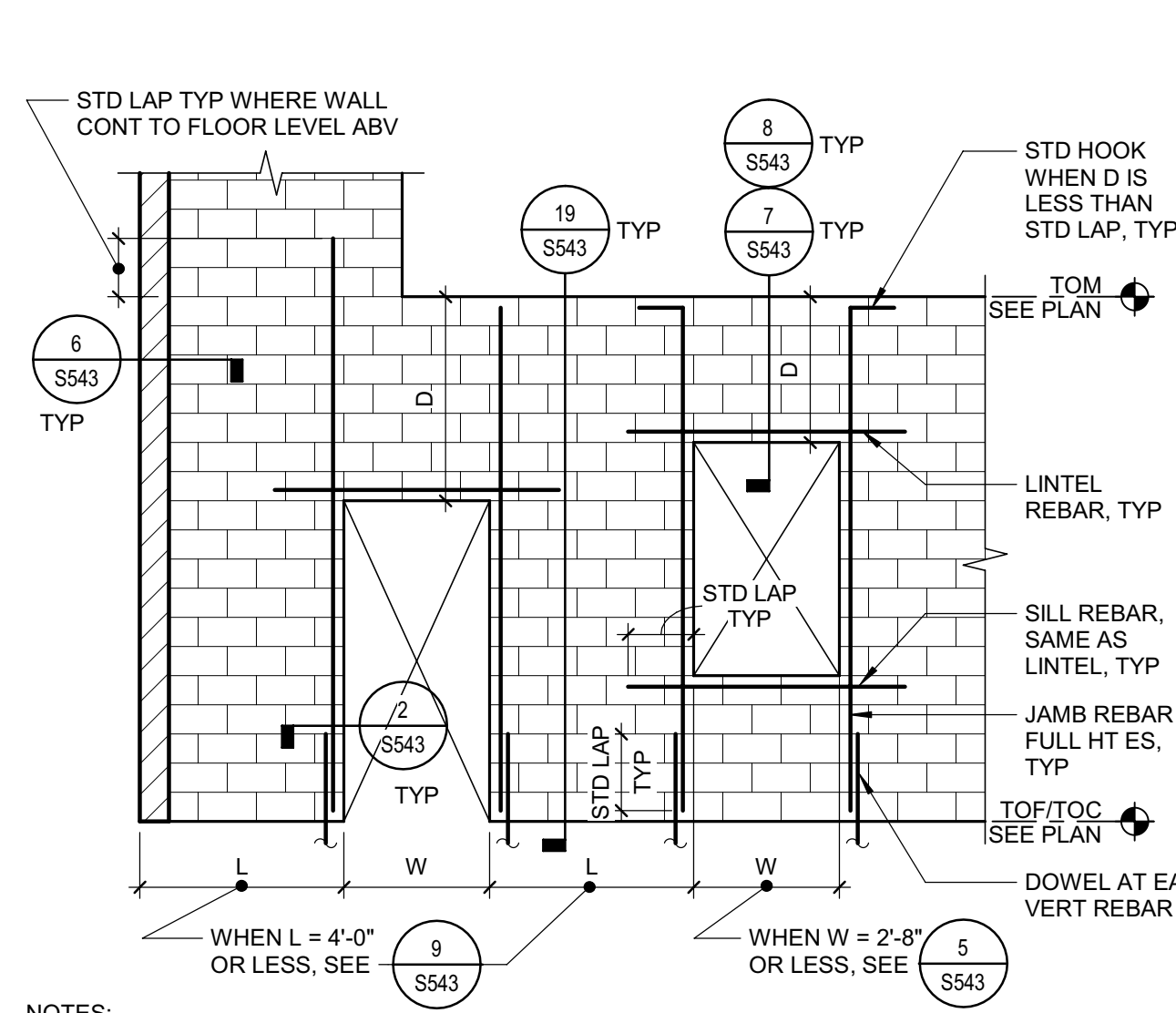
PROJECT NAME  
**DETAILS - TYPICAL MASONRY**

REVISIONS

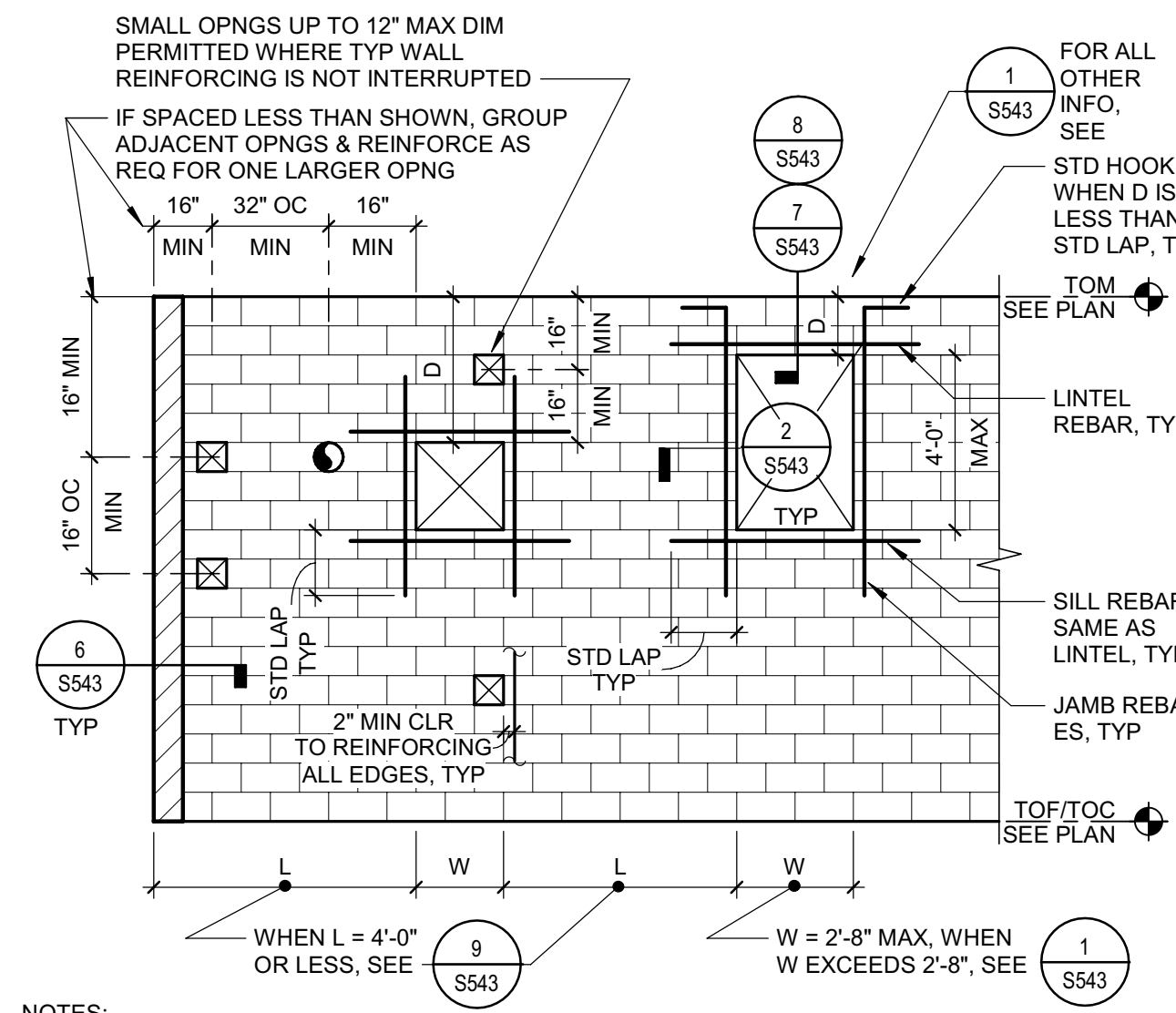
Svmt	Description	Date

DRAWN BY: PAB  
DATE ISSUED: 07.29.2022  
SCALE: As indicated  
PROJECT NO: 016205.01

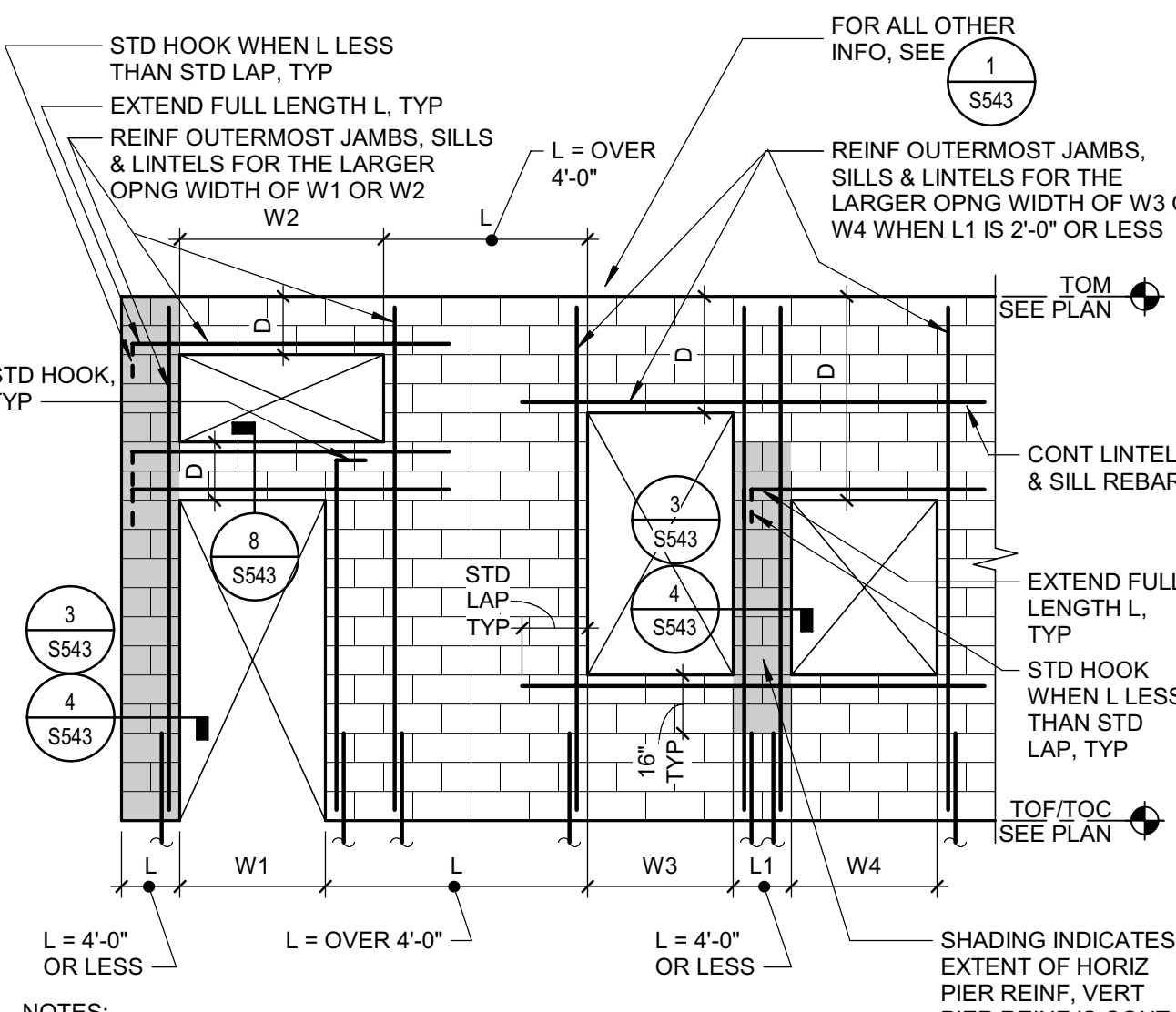
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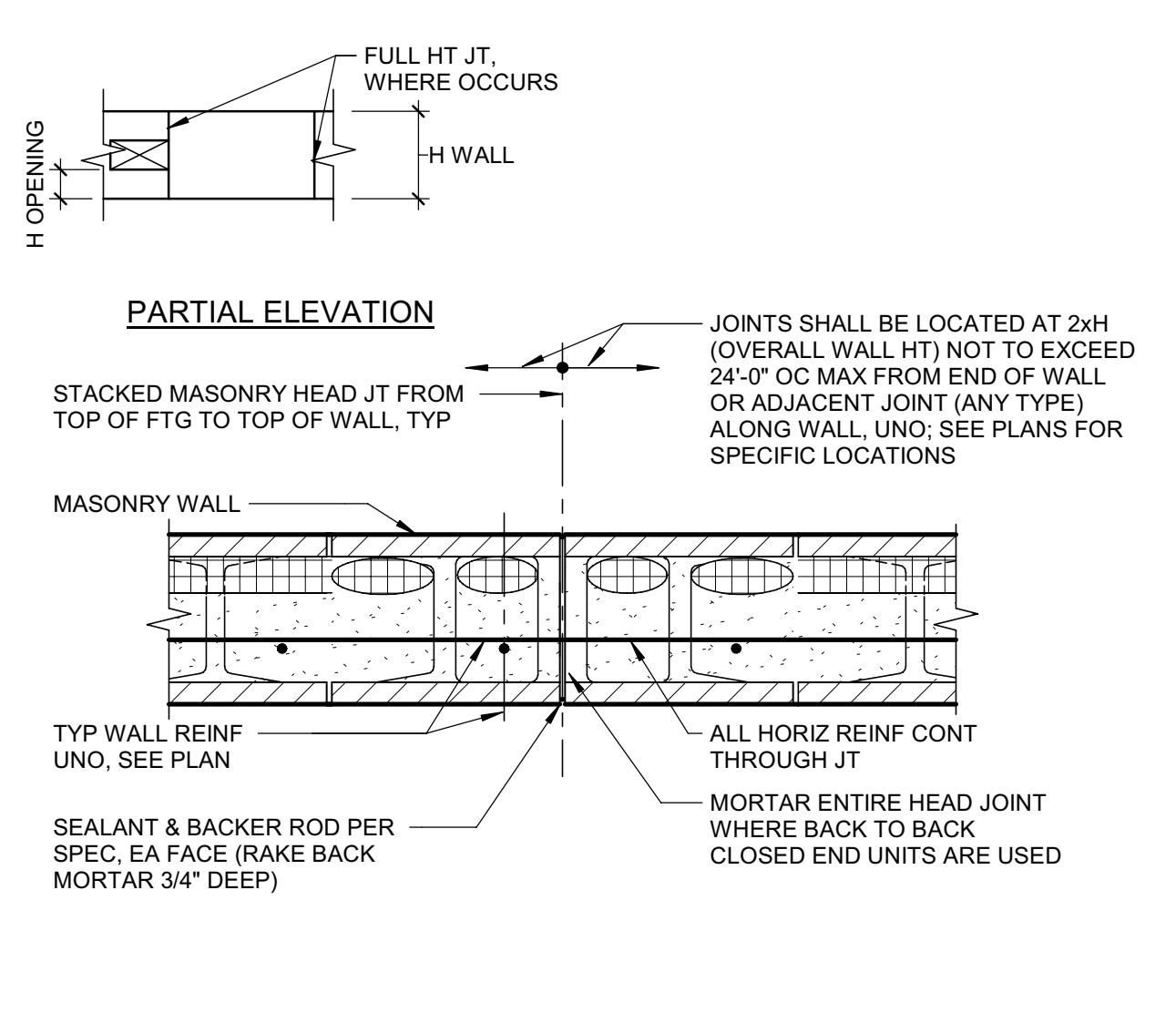
**1 TYP MASONRY LARGE OPNGS**  
SCALE: NTS S.-048200\_T020F 161129



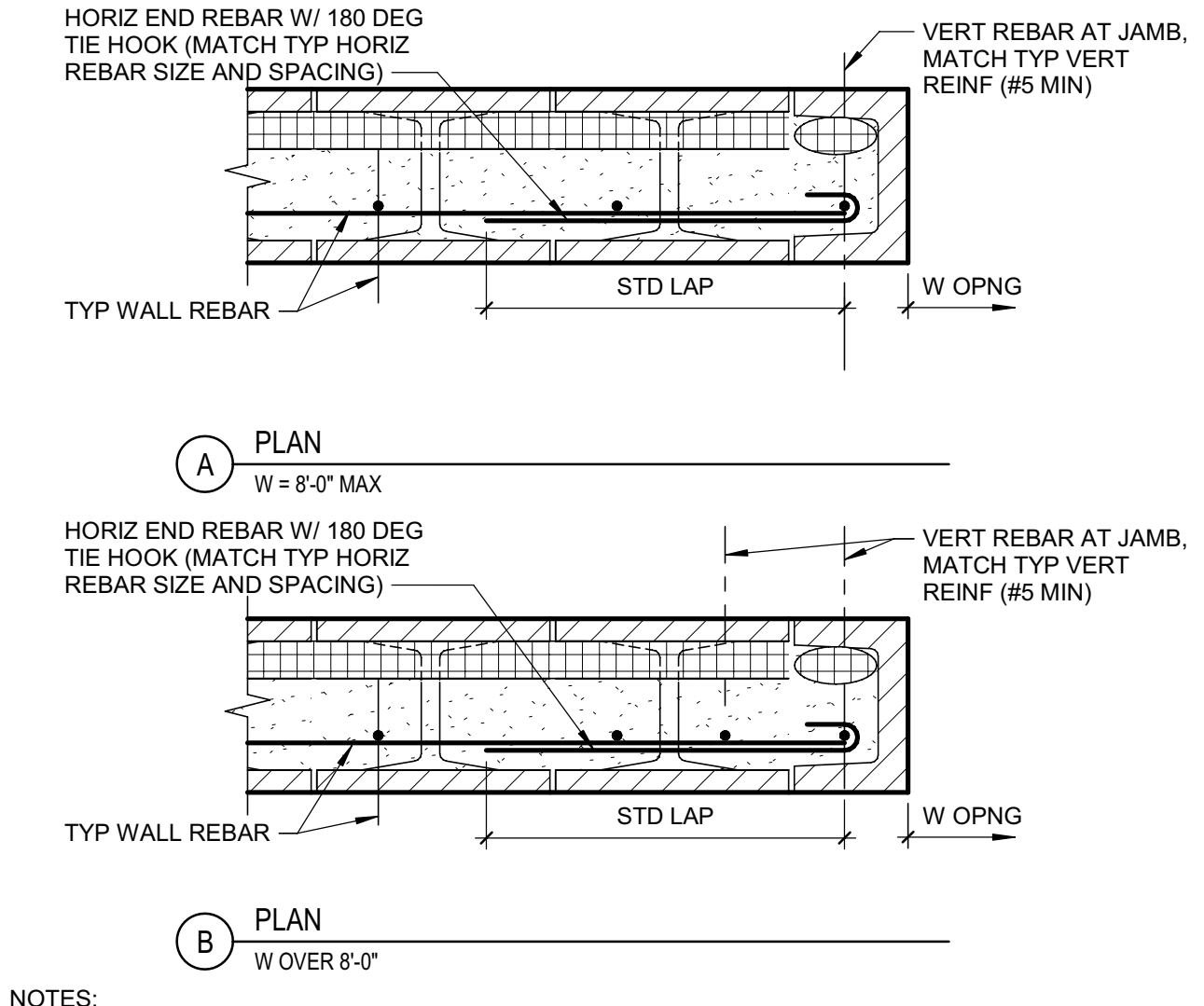
**5 TYP MASONRY SMALL OPNGS**  
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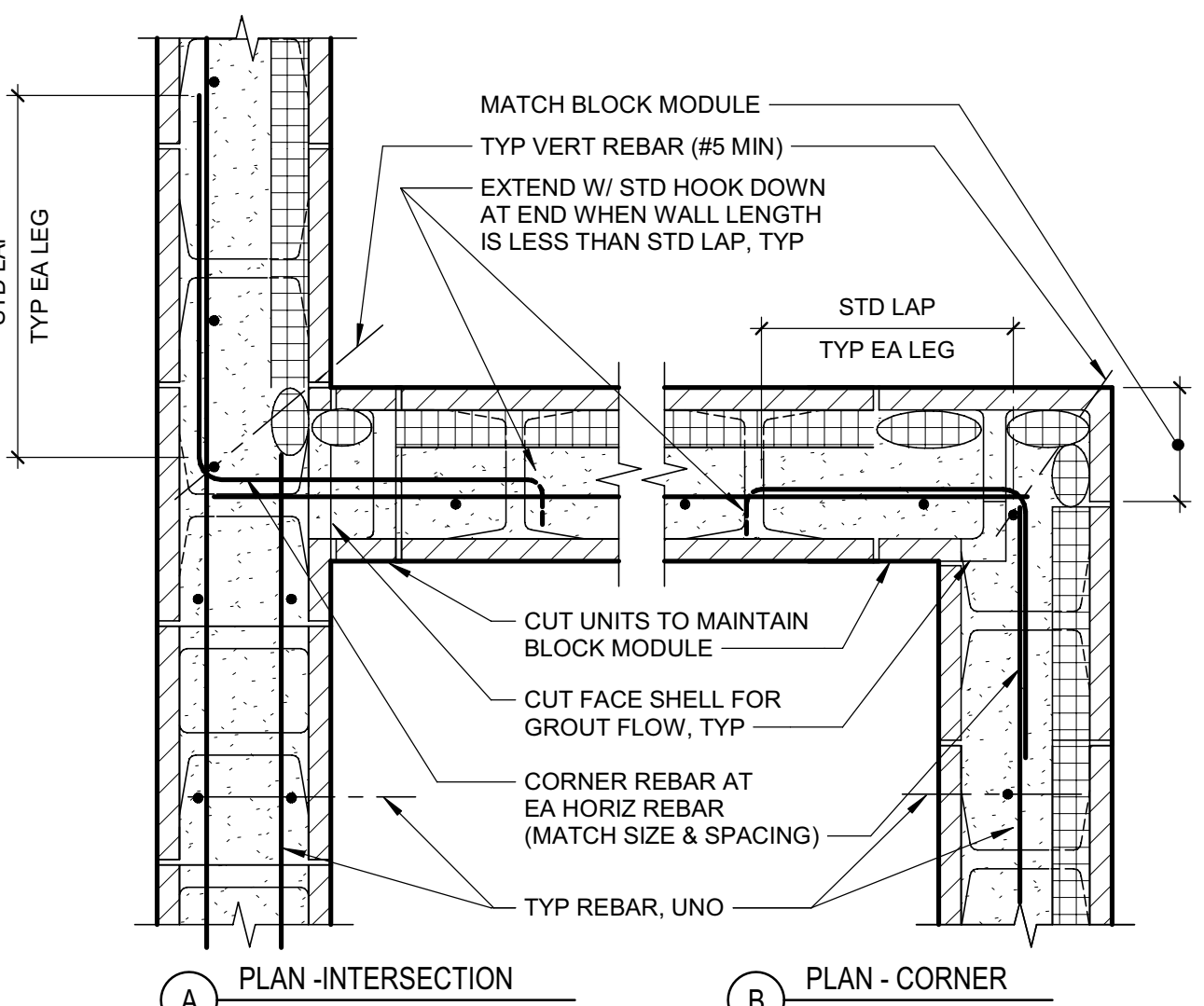
**9 TYP MASONRY ADJACENT OPNGS**  
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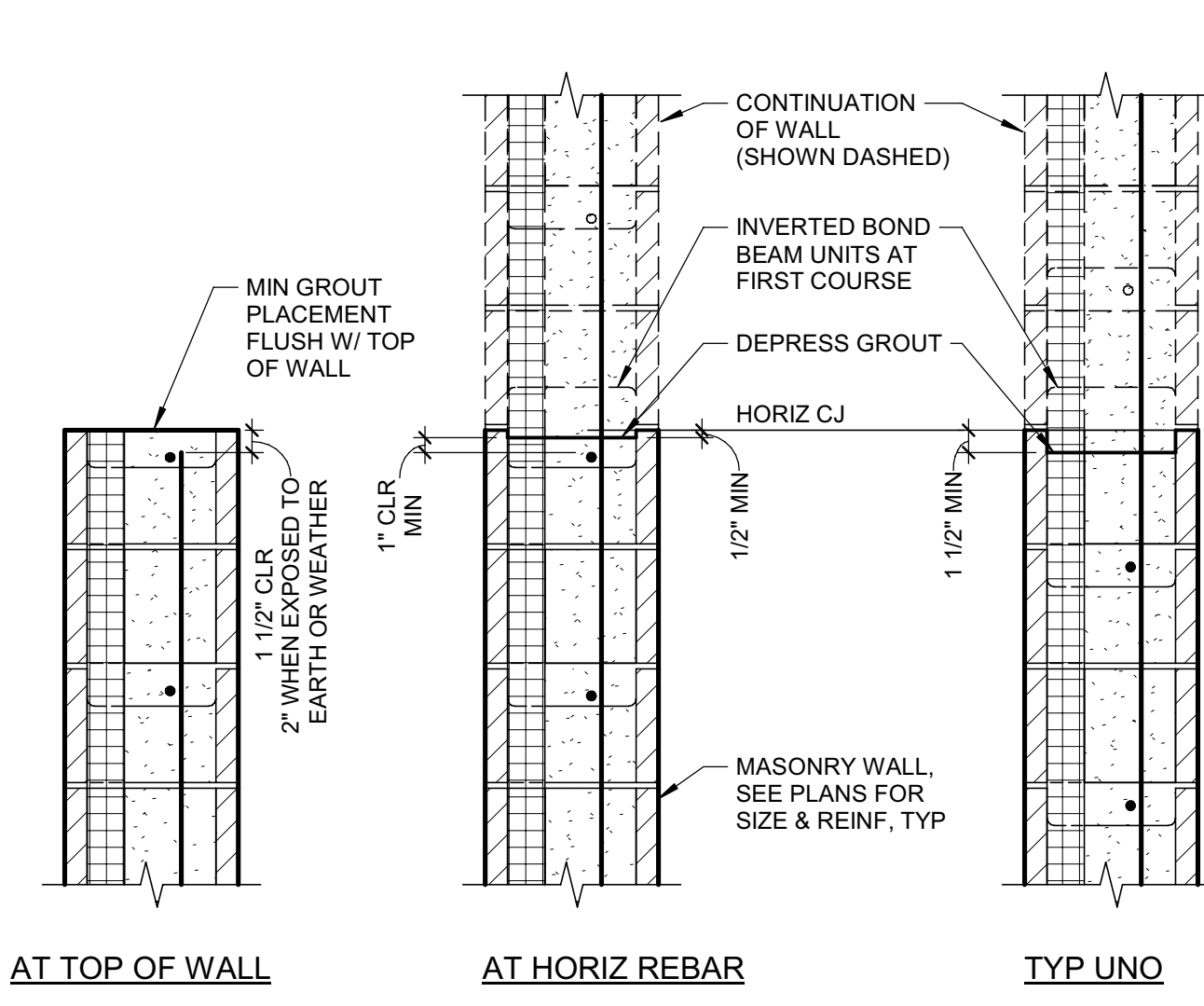
**13 TYP MASONRY RAKE JOINT**  
SCALE: NTS S.-048200\_T010C 200413



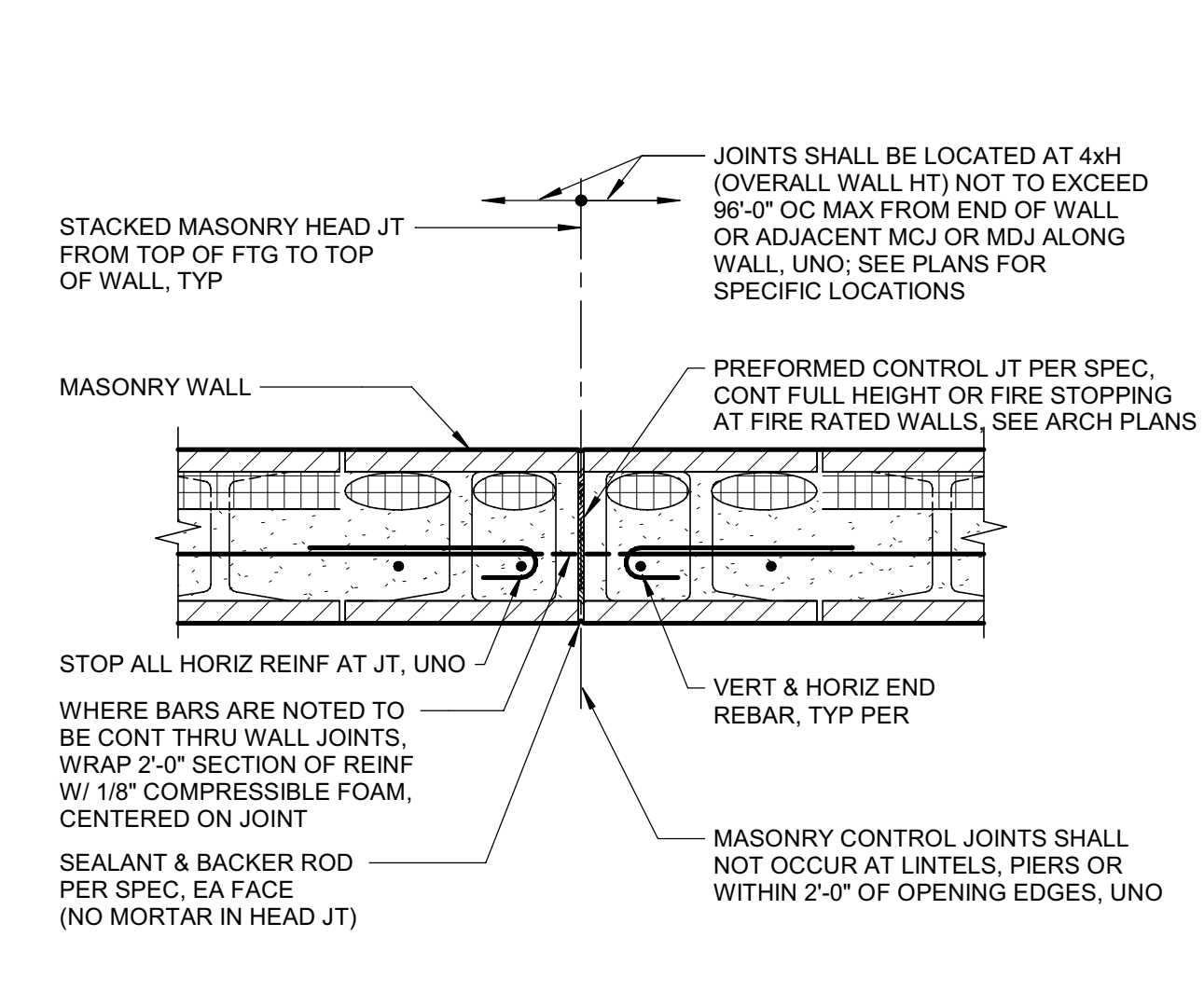
**2 TYP MASONRY JAMB / END**  
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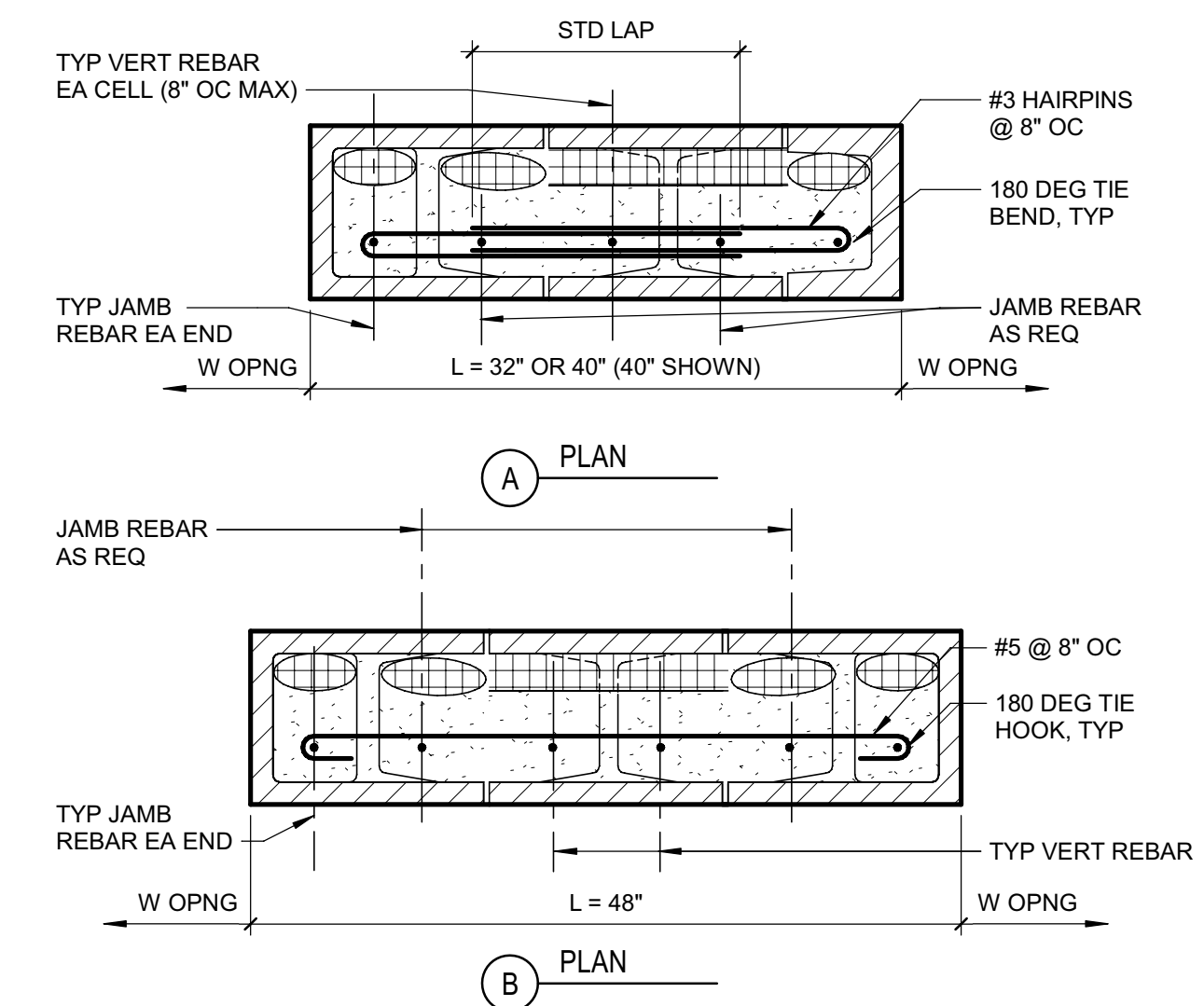
**6 TYP MASONRY INTERSECTIONS**  
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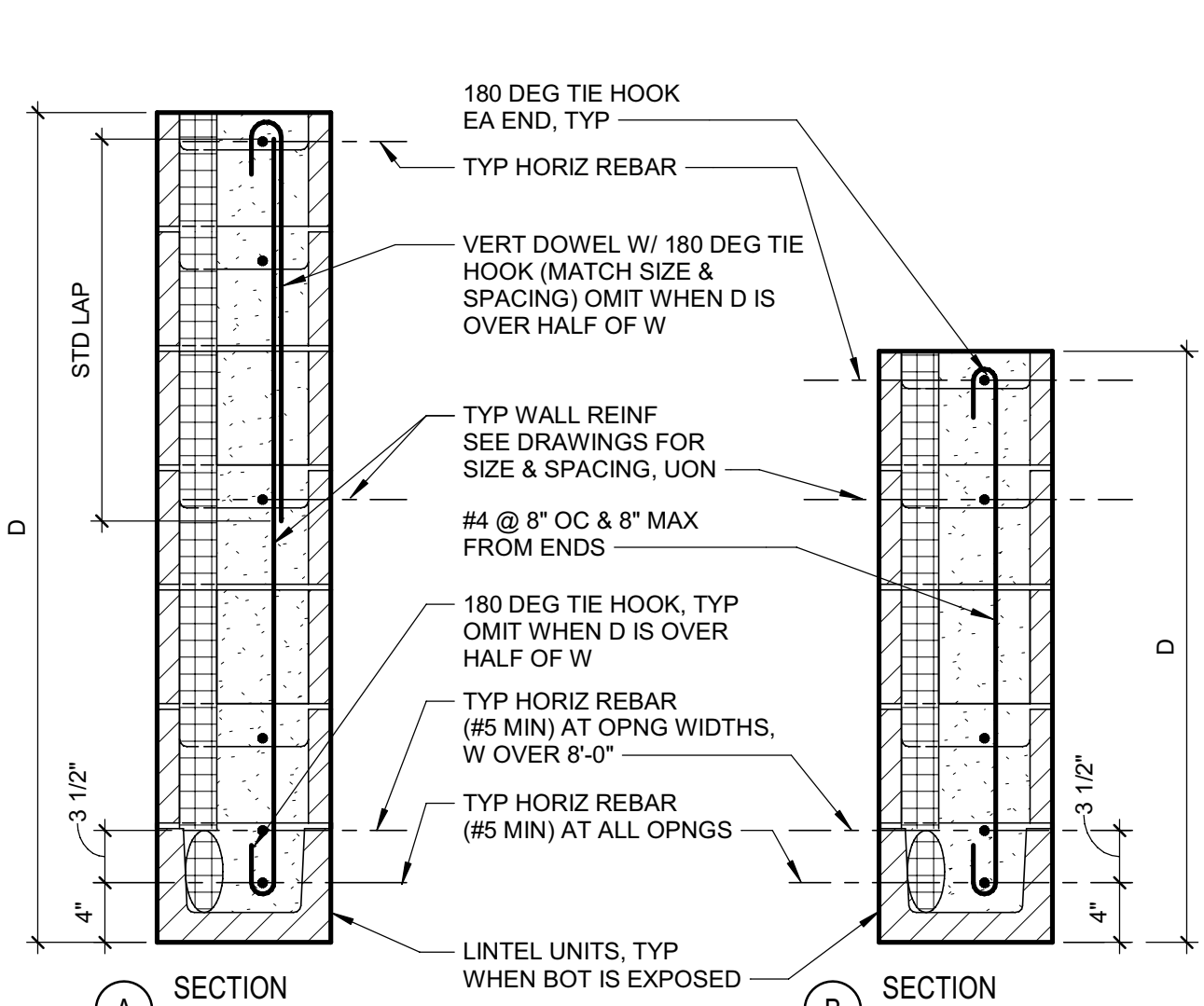
**10 TYP MASONRY GROUT CJ**  
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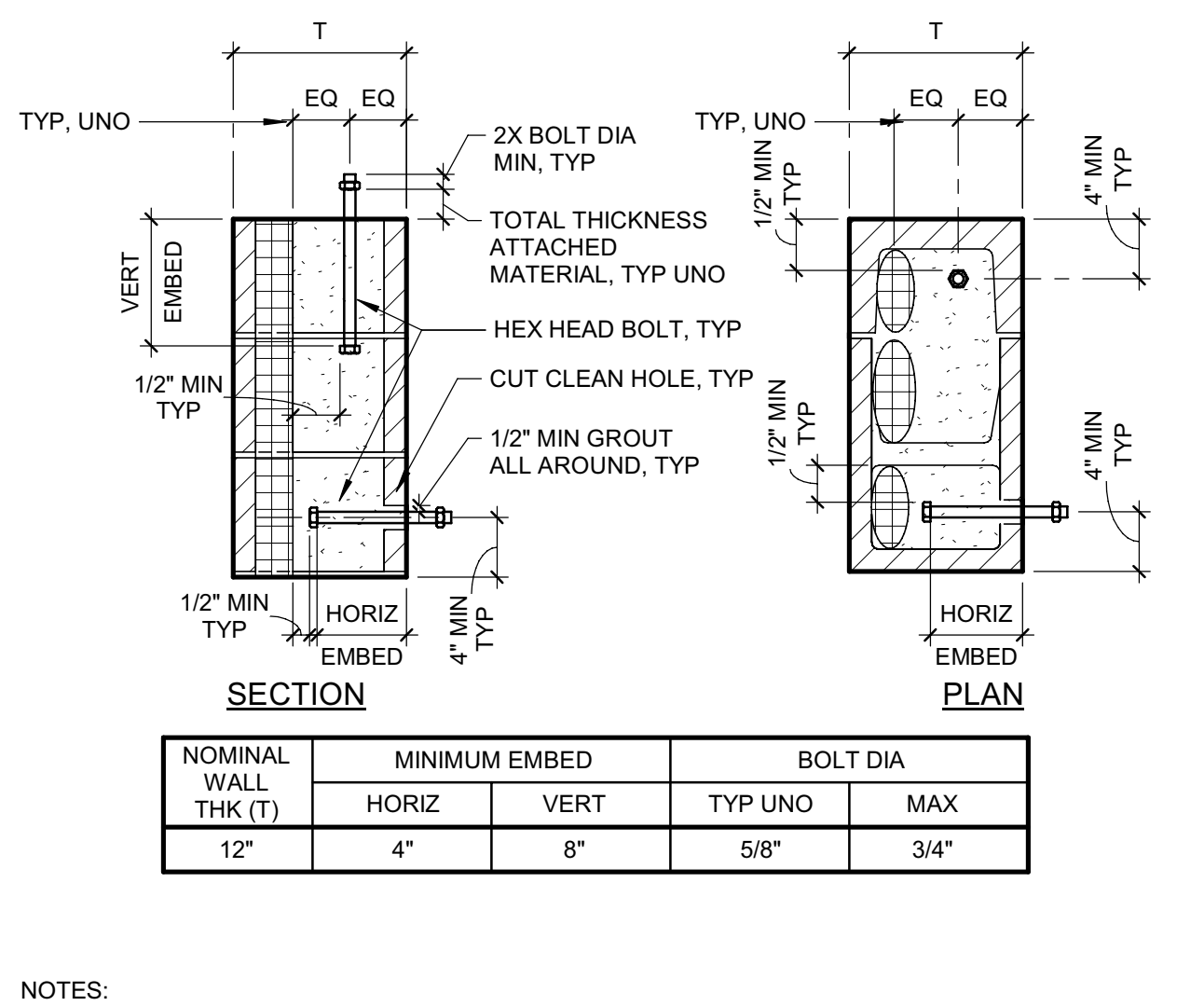
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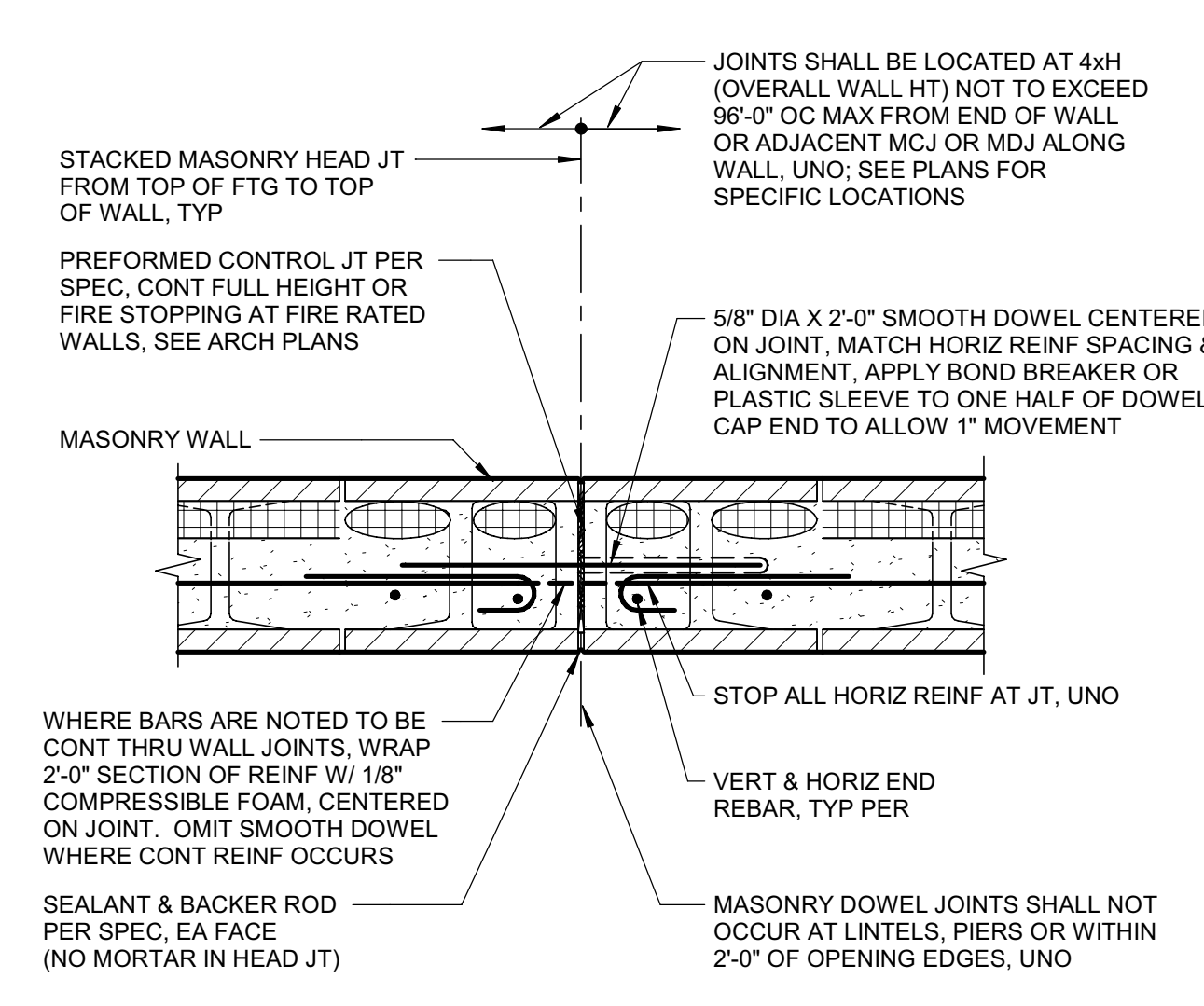
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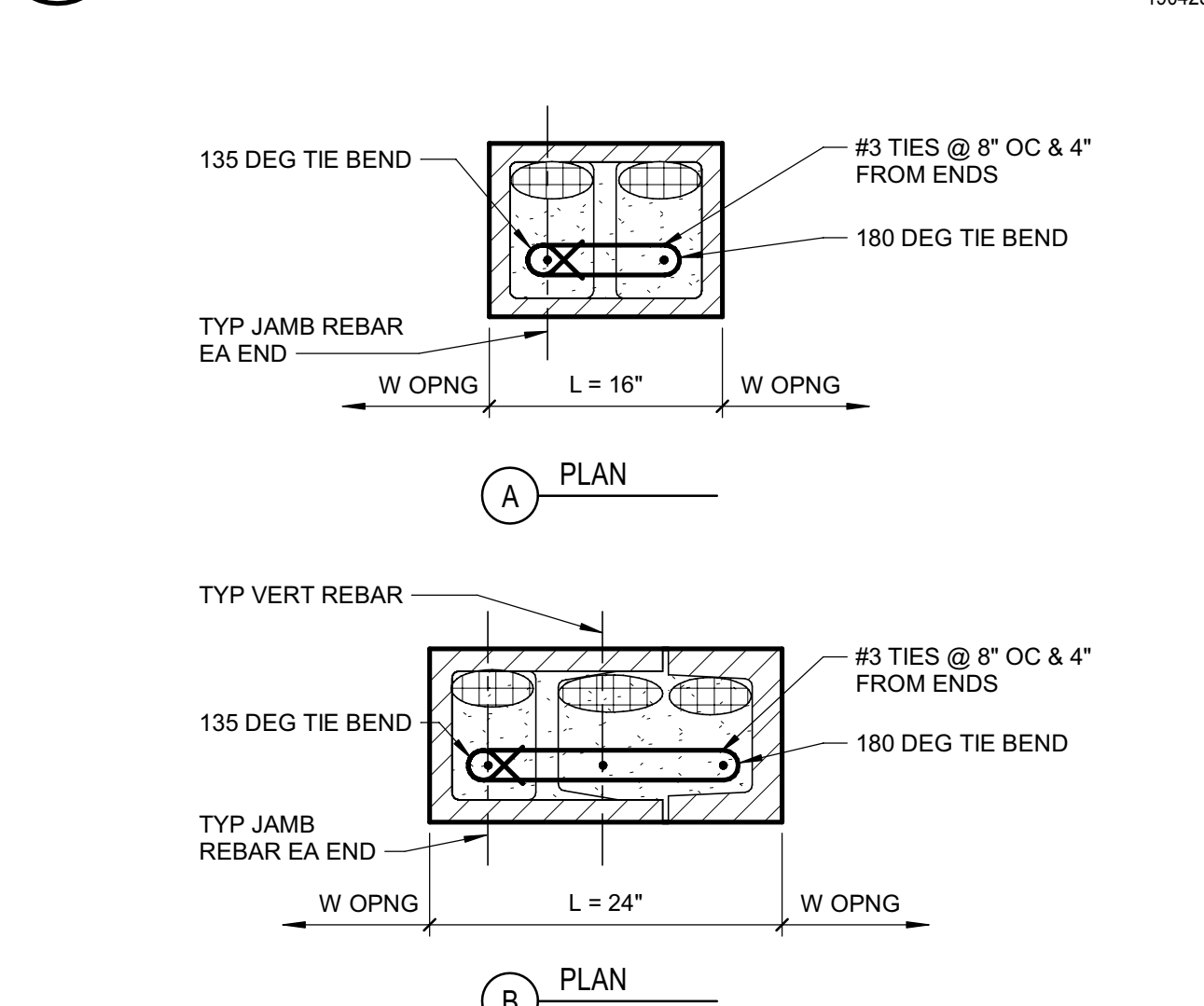
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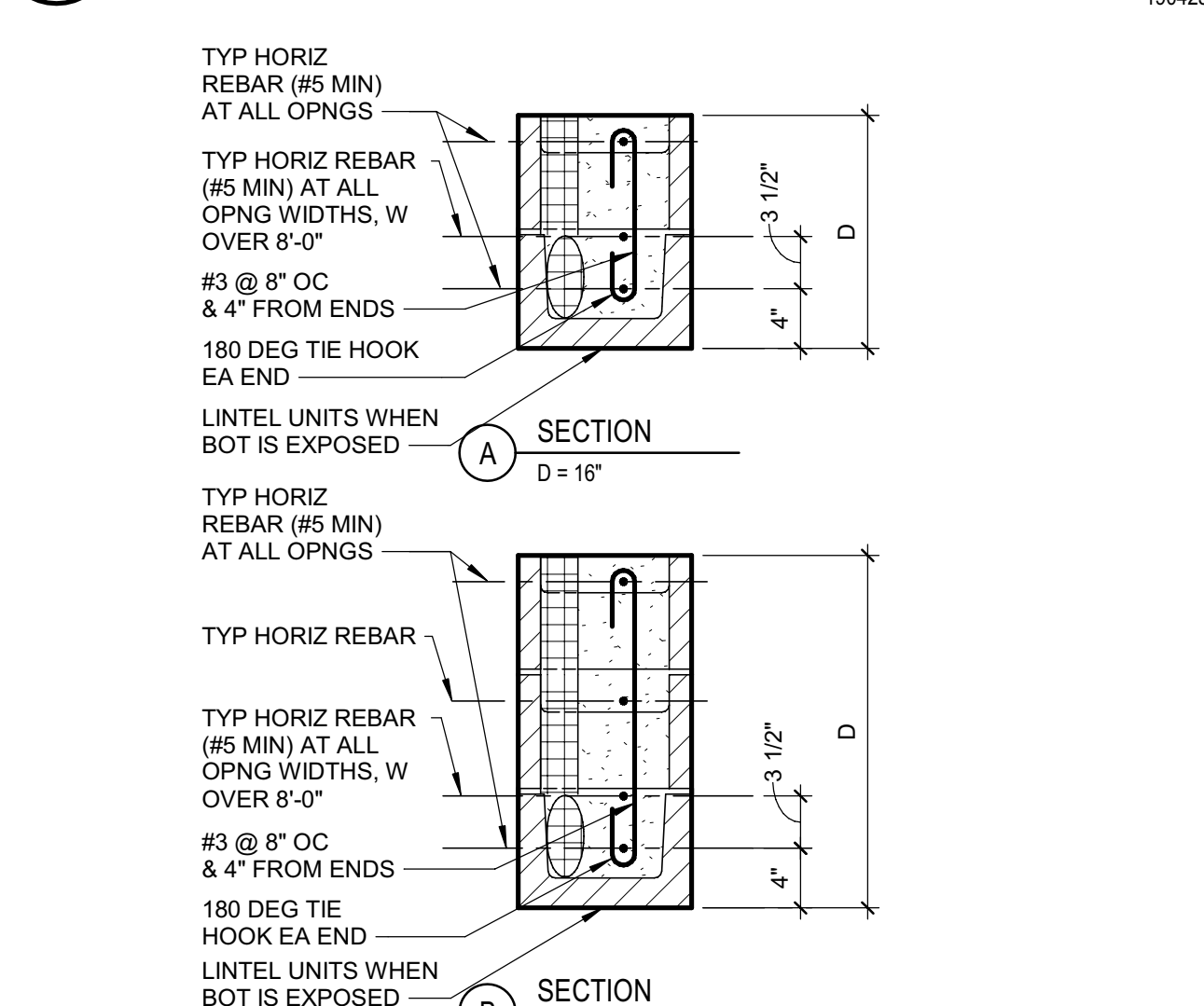
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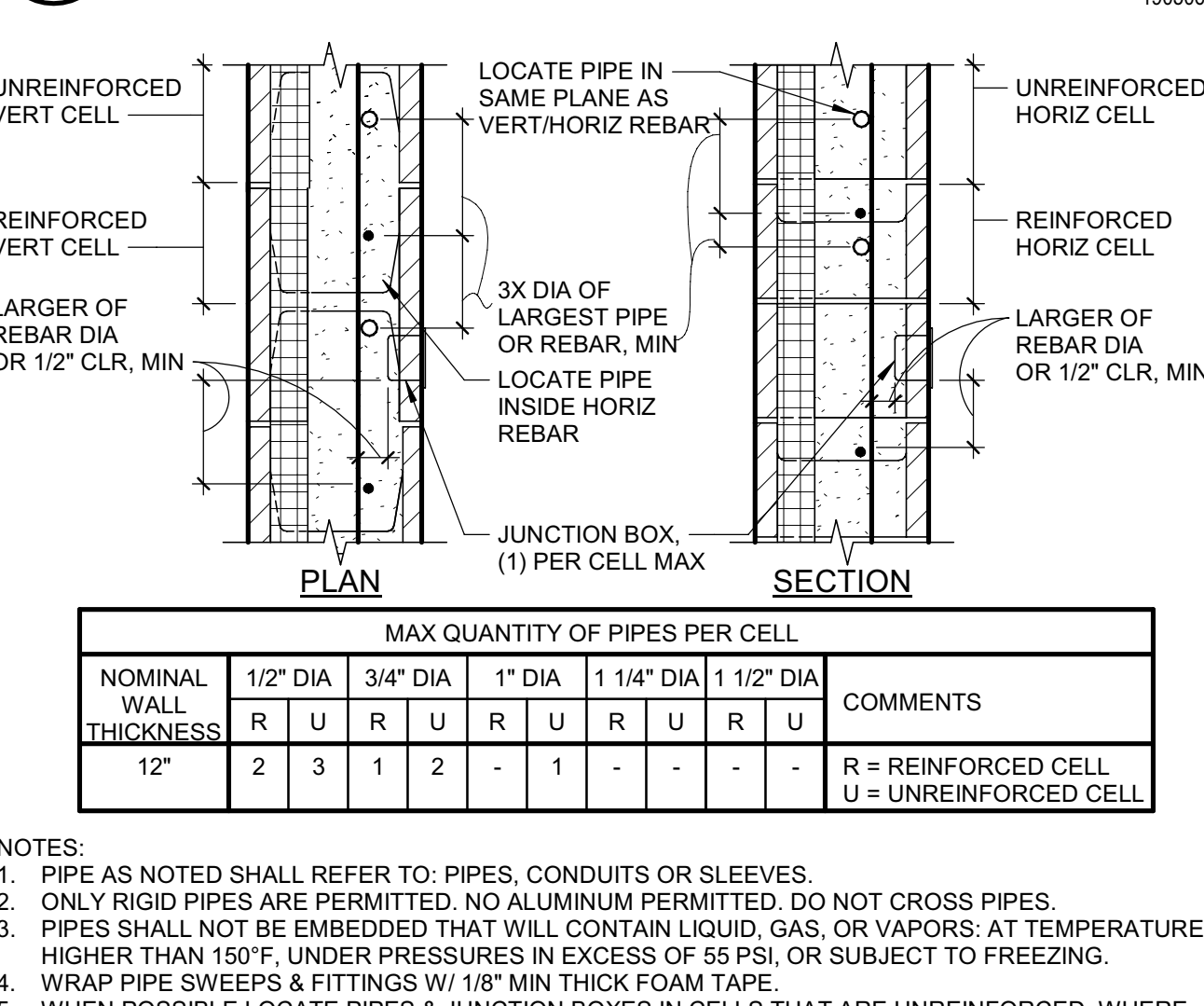
**15 TYP MASONRY DOWEL JOINT**  
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**4 TYP MASONRY SHORT PIER**  
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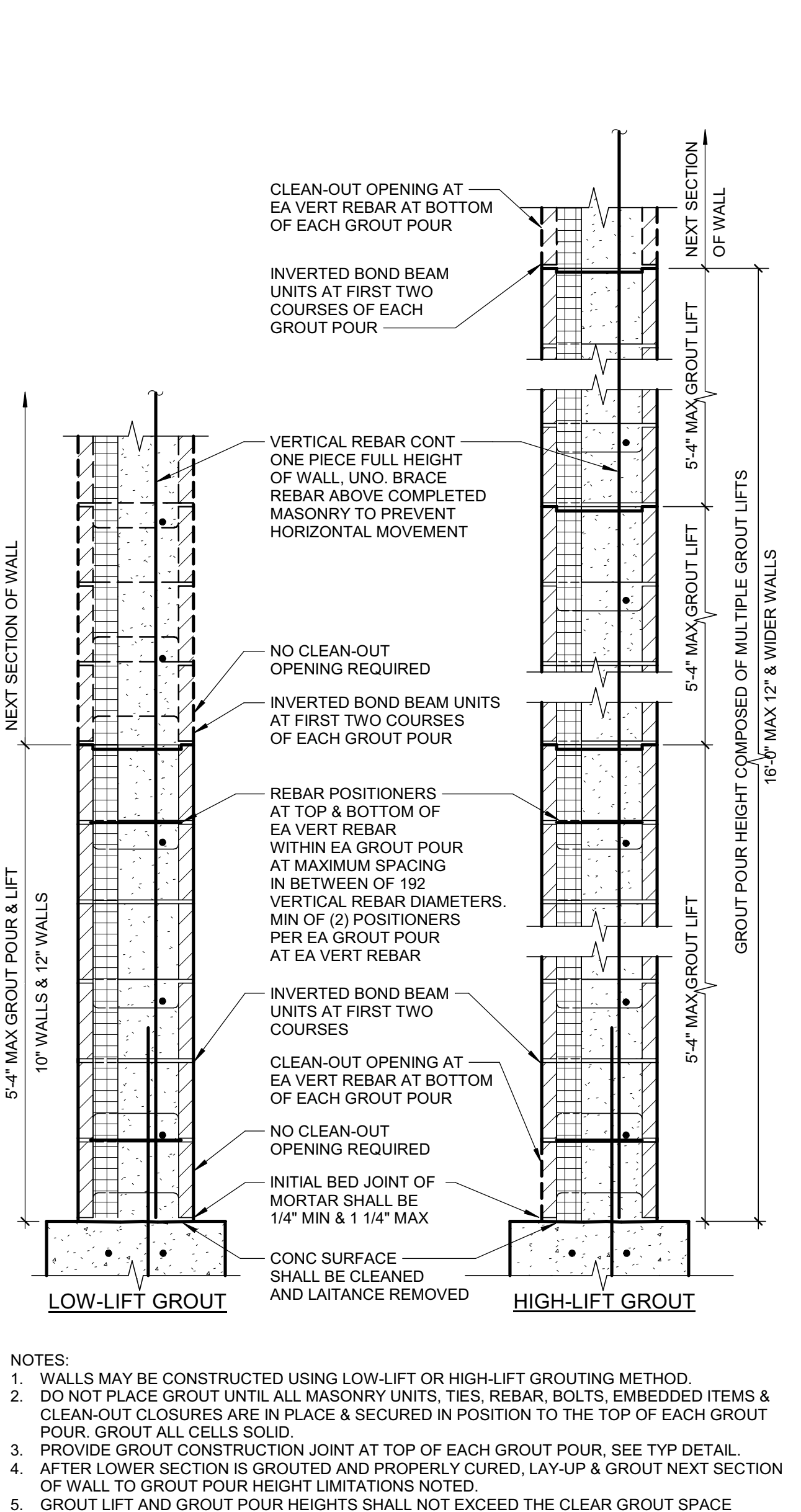
**8 TYP MASONRY SHALLOW LINTEL**  
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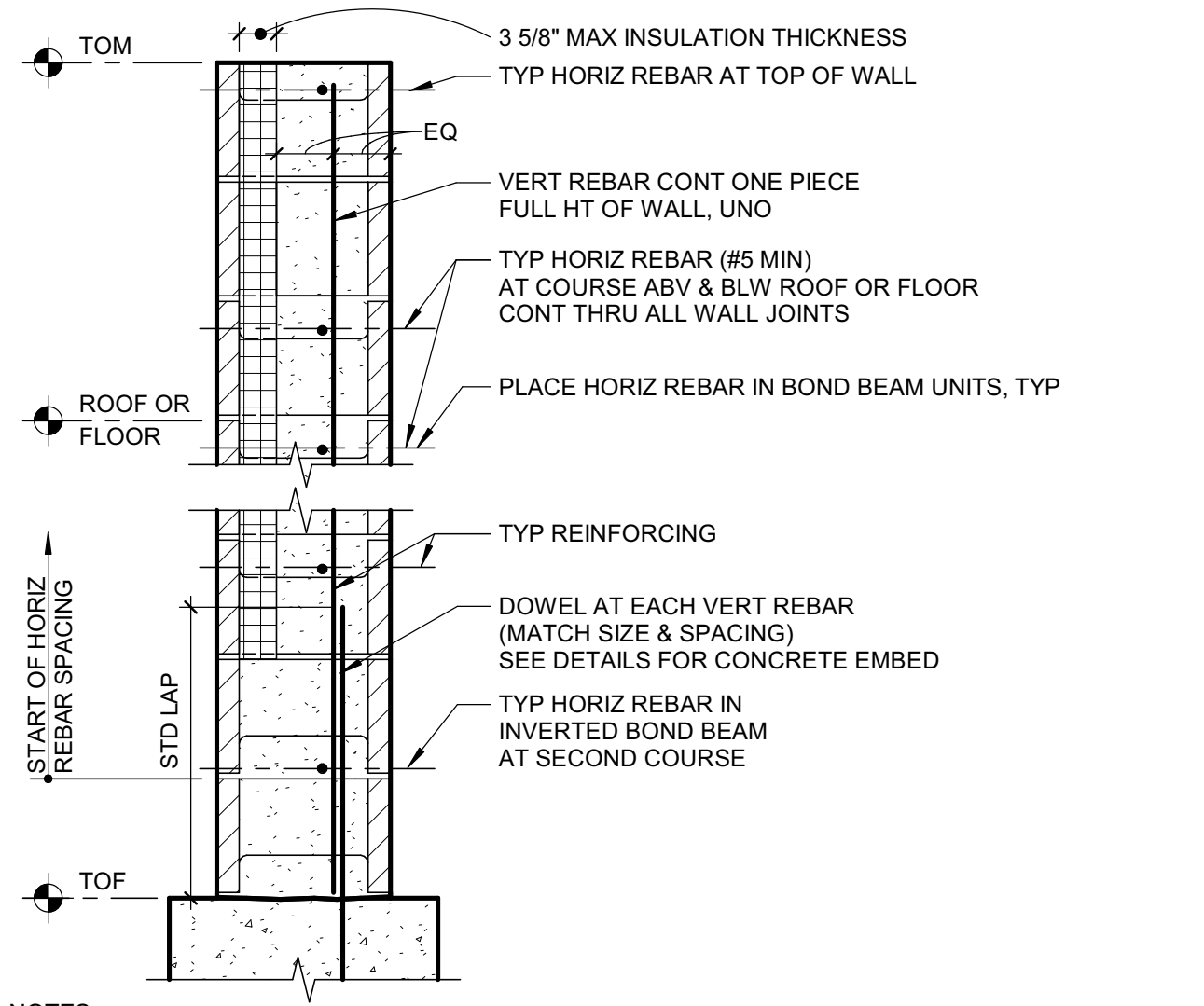
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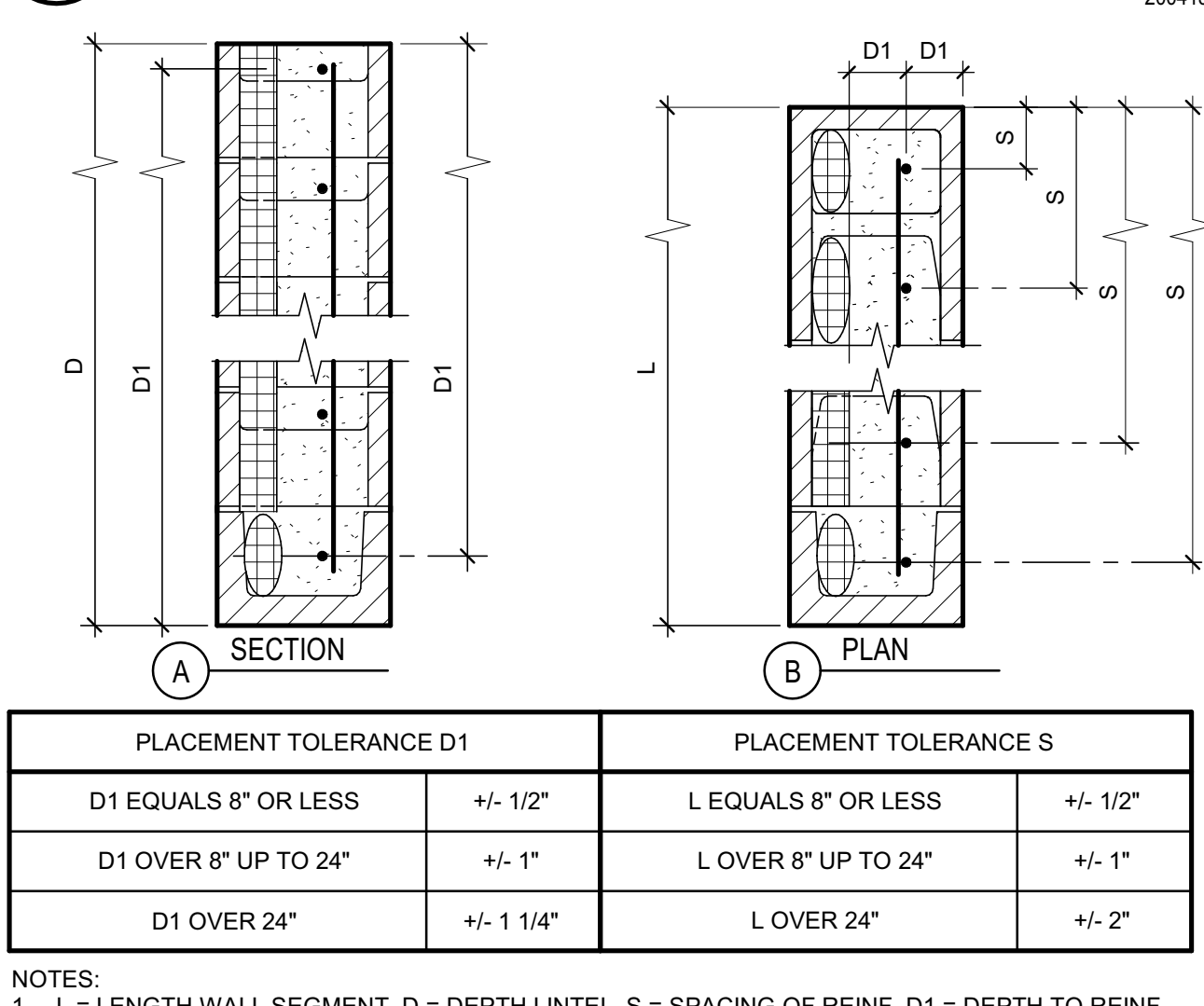
**19 TYP MASONRY WALL REIN**  
SCALE: NTS S.-048200\_T020D 200413



**18 TYP MASONRY GROUTING**  
SCALE: NTS S.-048200\_T010C 161129



**13 TYP MASONRY RAKE JOINT**  
SCALE: NTS S.-048200\_T010C 200413



**20 TYP MASONRY REIN TOLERANCE**  
SCALE: NTS S.-048200\_T020D 200413



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**NM & R**  
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HUMBOLDT COUNTY  
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RESOURCE CENTER  
929 5th STREET  
EUREKA, CA 95501

DETAILS - TYPICAL  
MASONRY -  
INSULATED

DRAWING STATUS

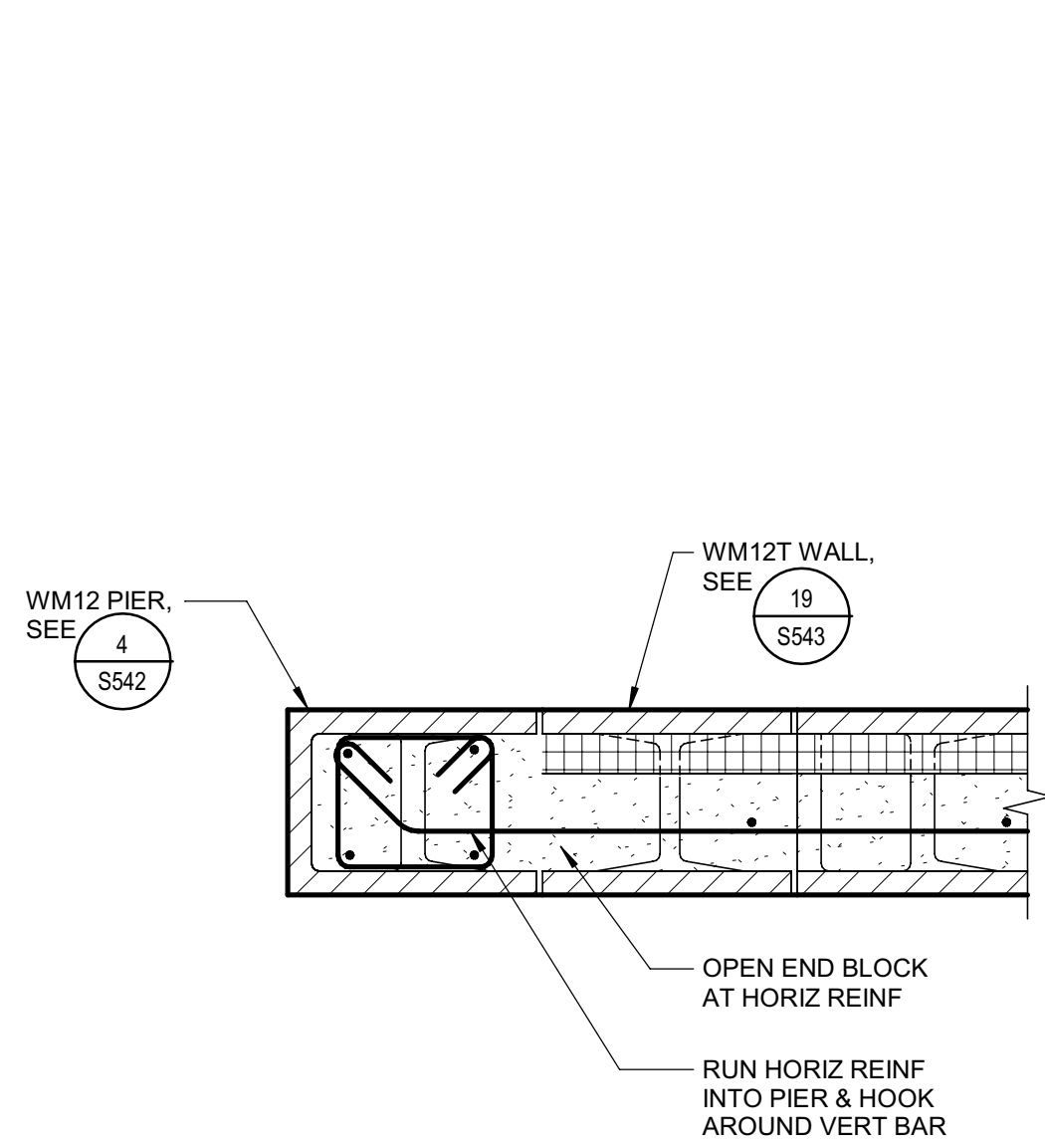
WORKING DRAWINGS

Svmt.	Description	Date

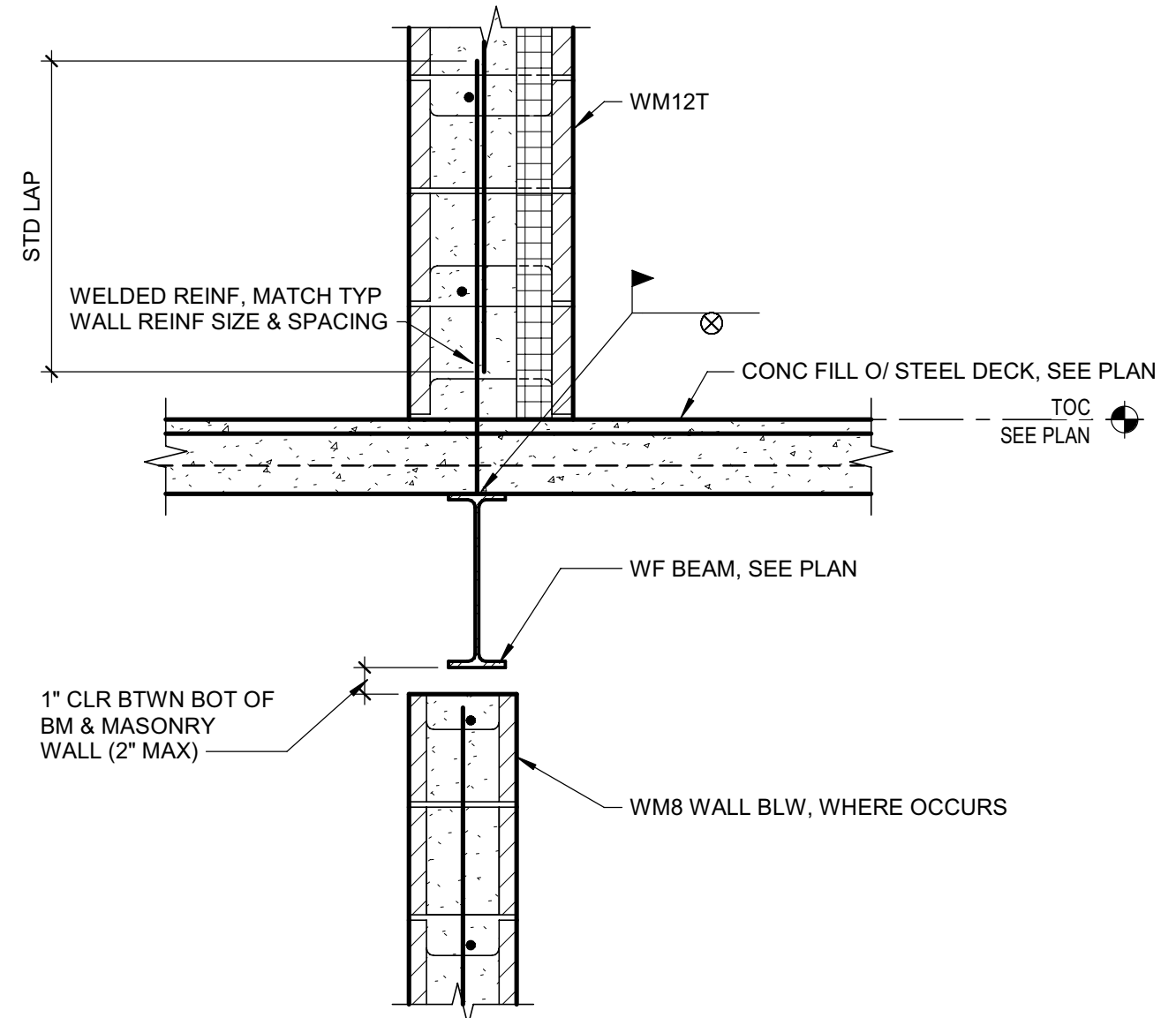
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Date Issued: 07.29.2022  
Scale: As indicated  
Project No.: 016205.01

SHEET No.  
**S543 V4**

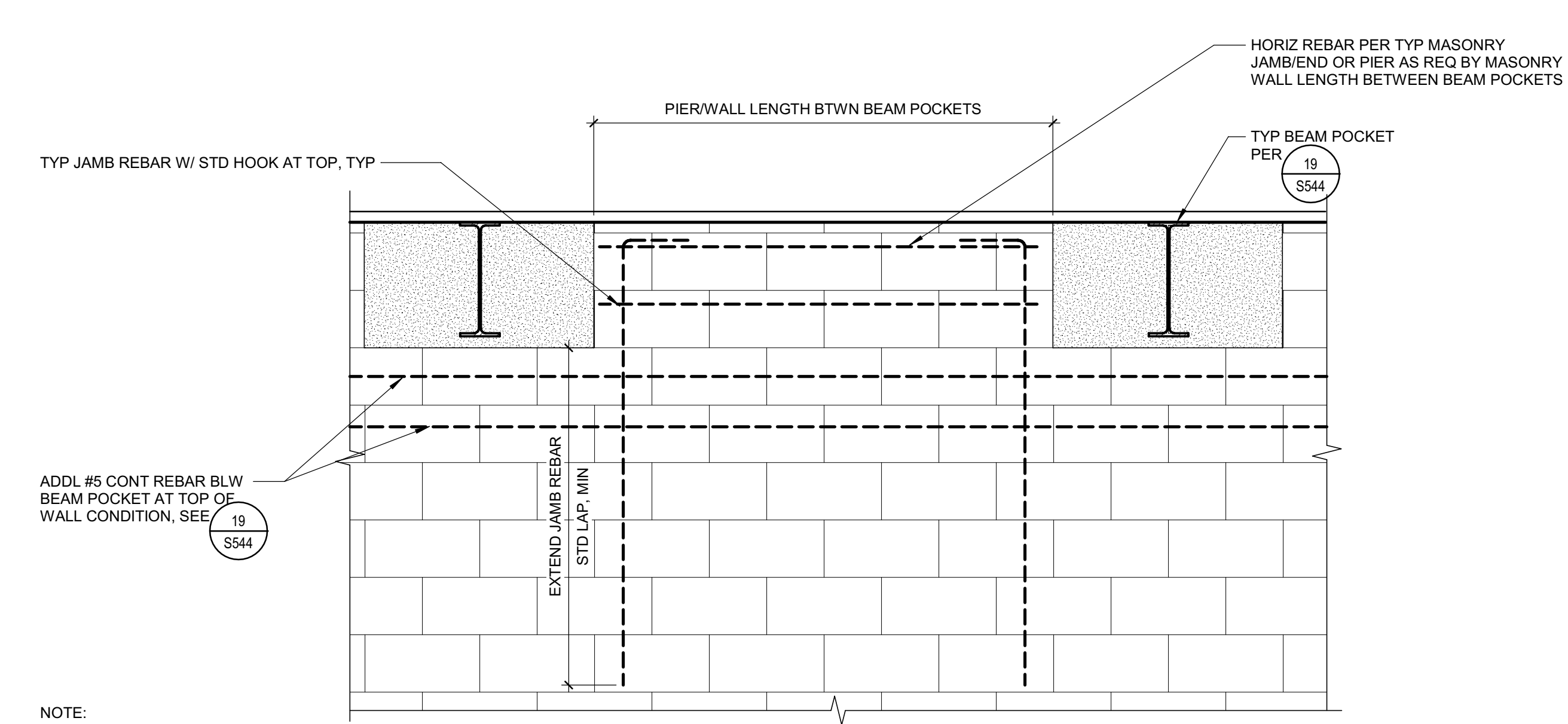




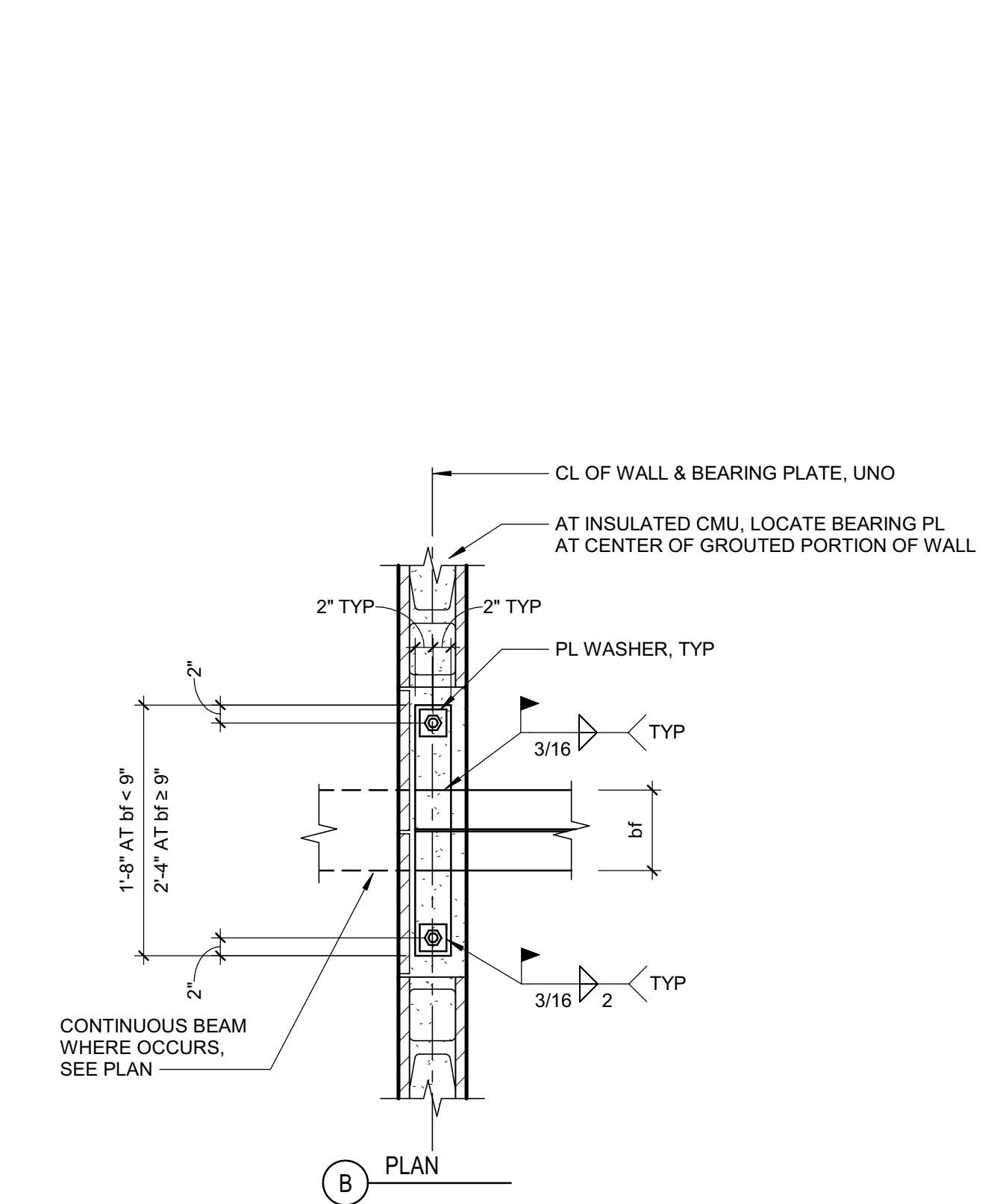
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SCALE: NTS



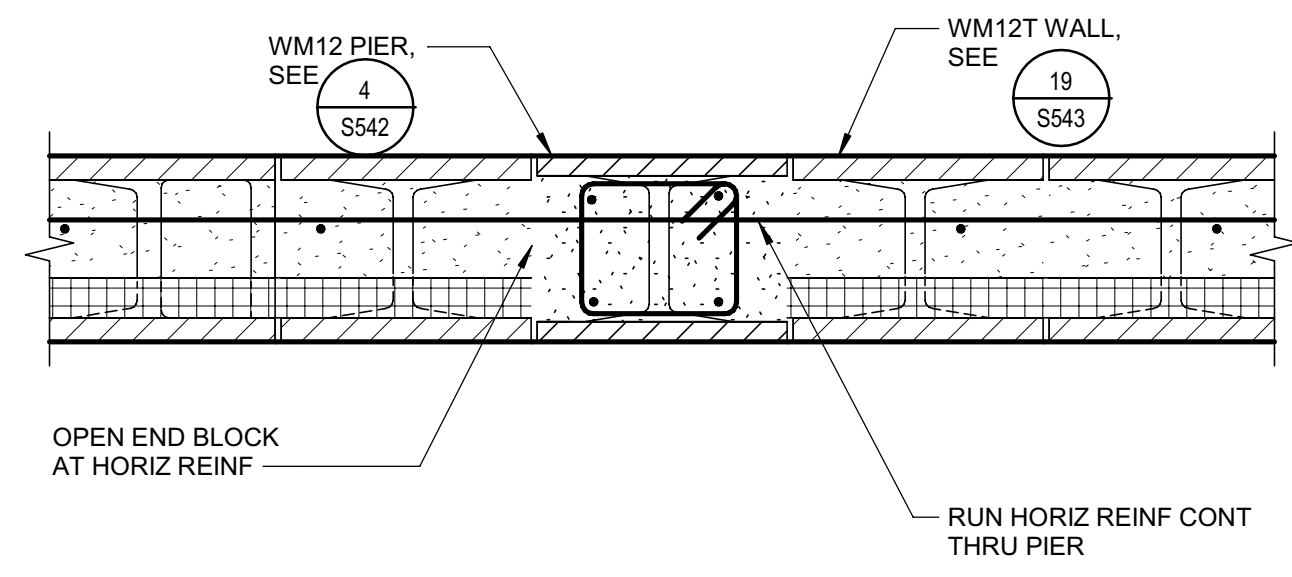
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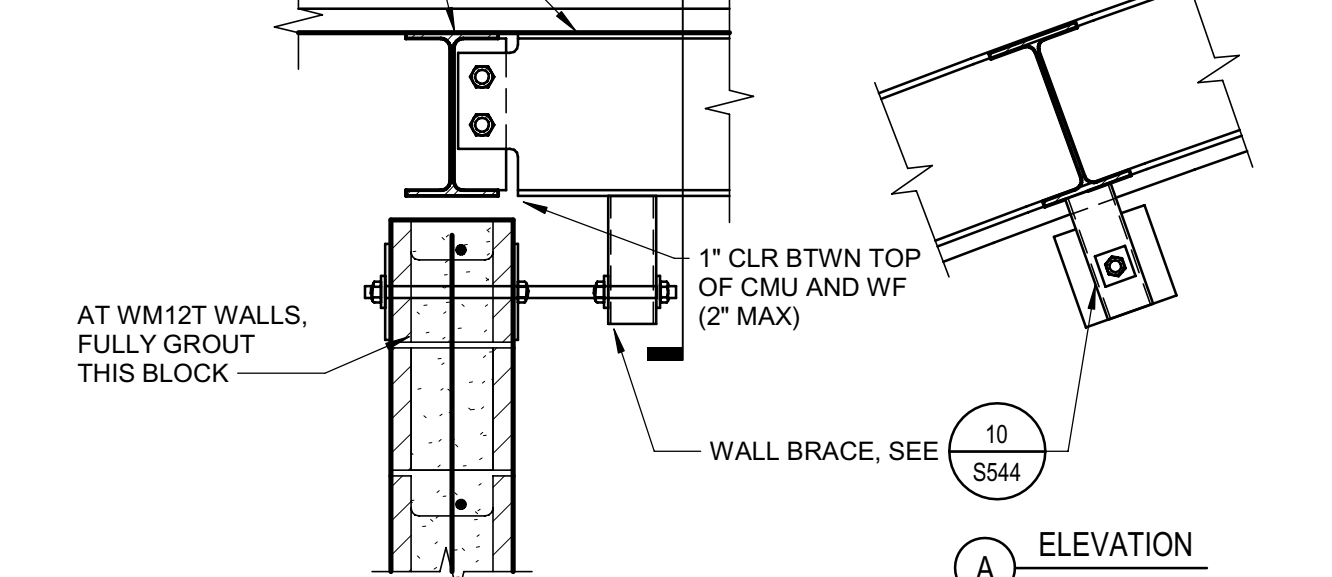
**9** WALL REINFORCING BTWN BEAM POCKETS  
SCALE: NTS



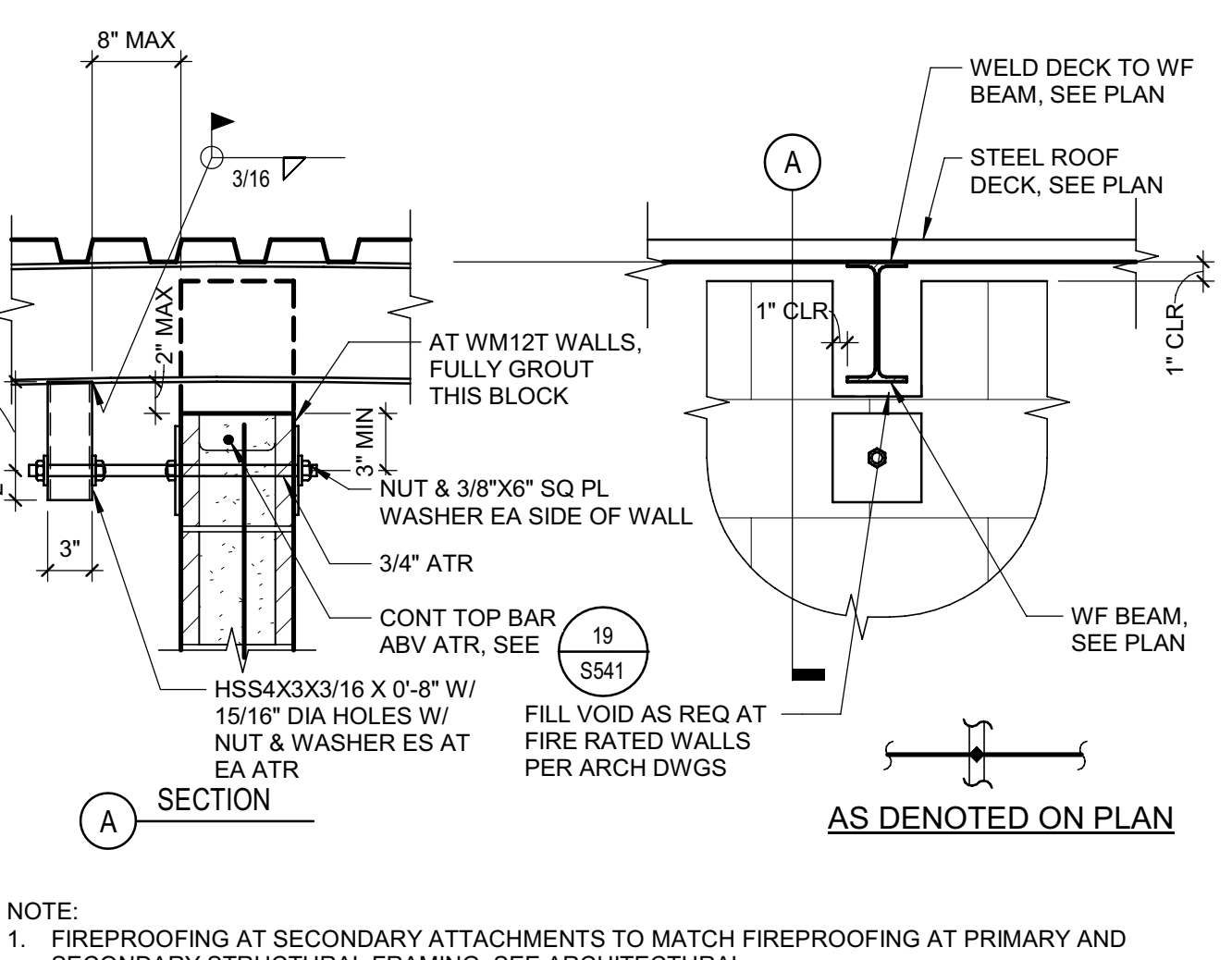
**14** TYP WM8N MASONRY WALL TO CONC FILLED STEEL DECK  
SCALE: NTS



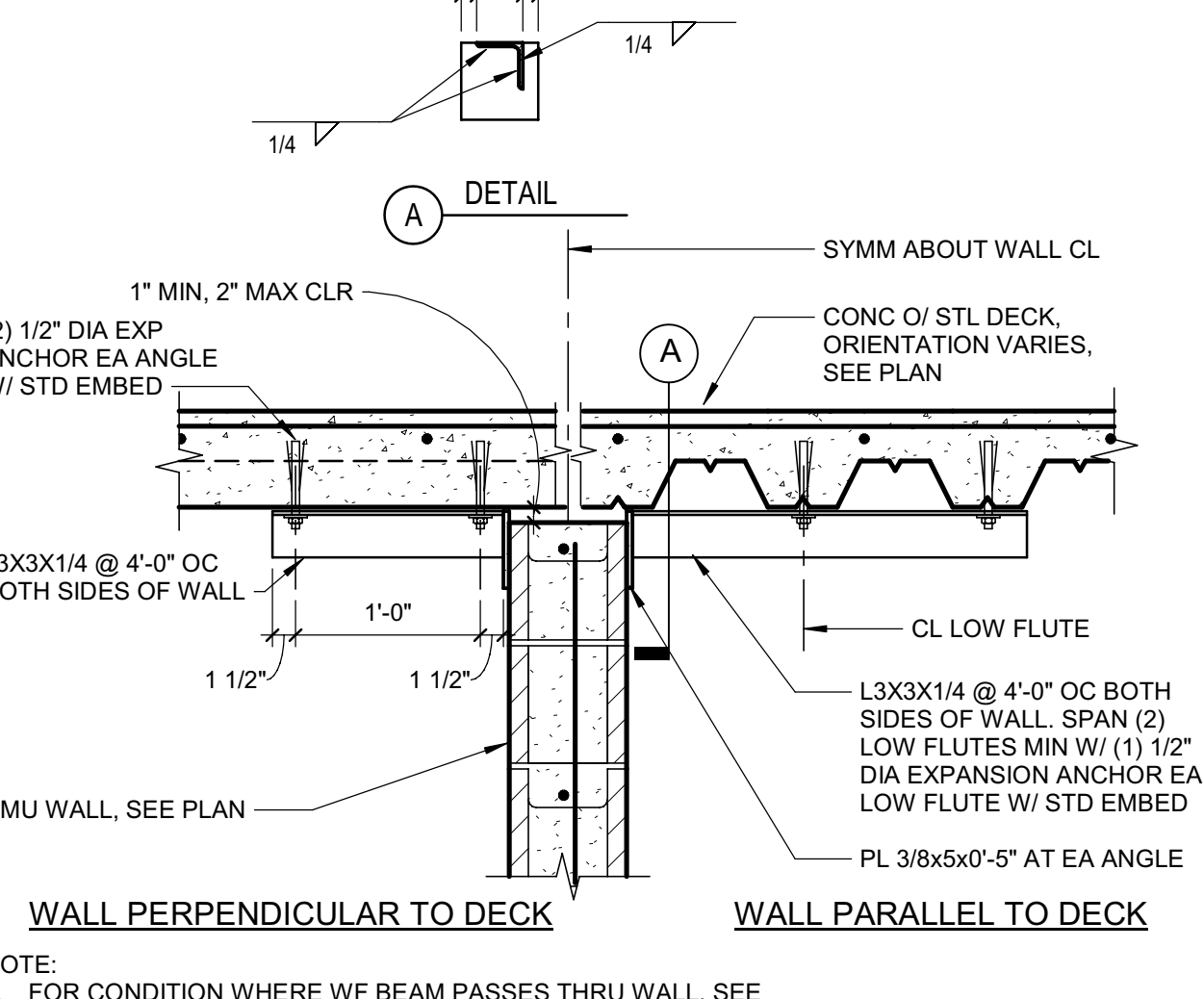
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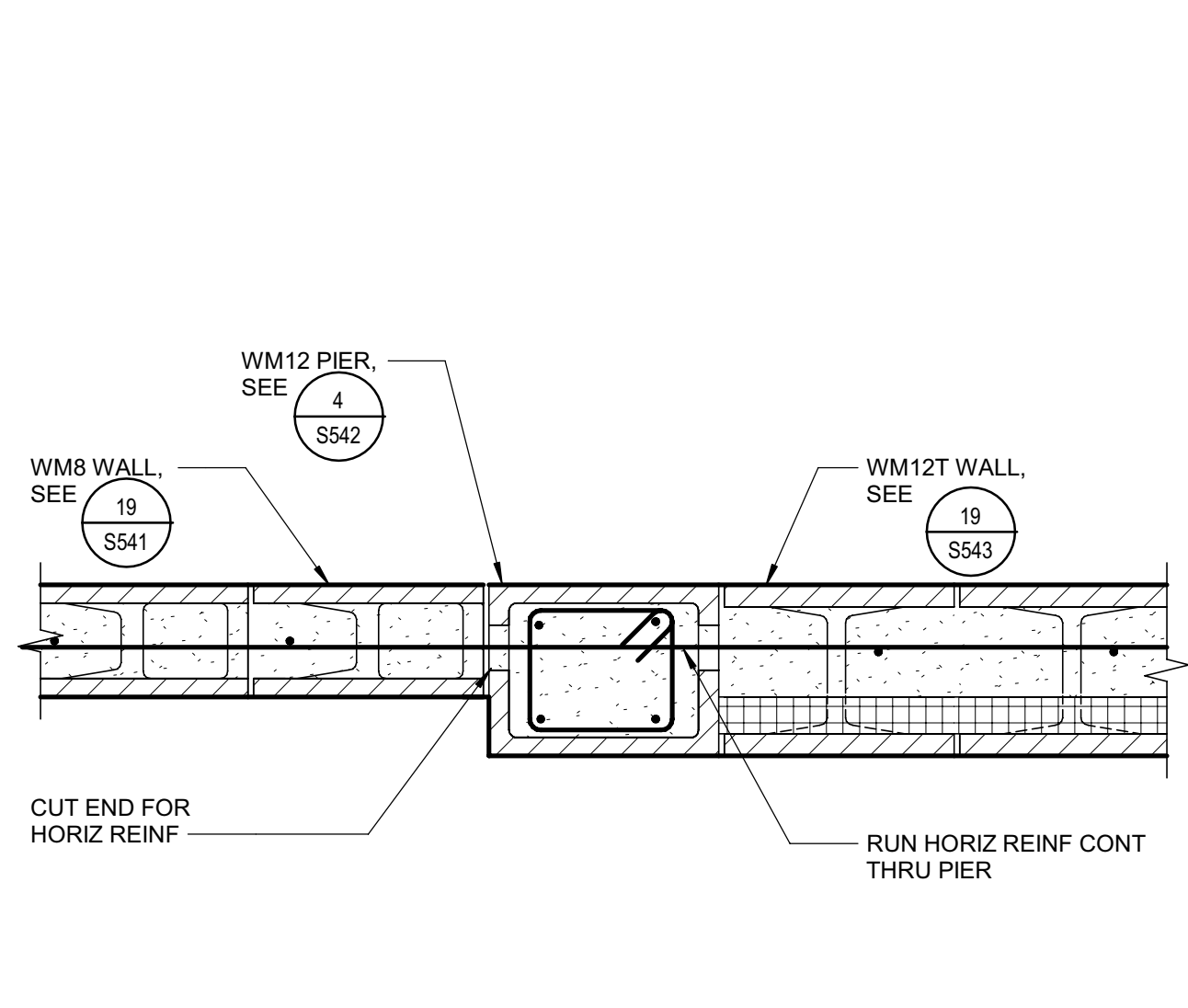
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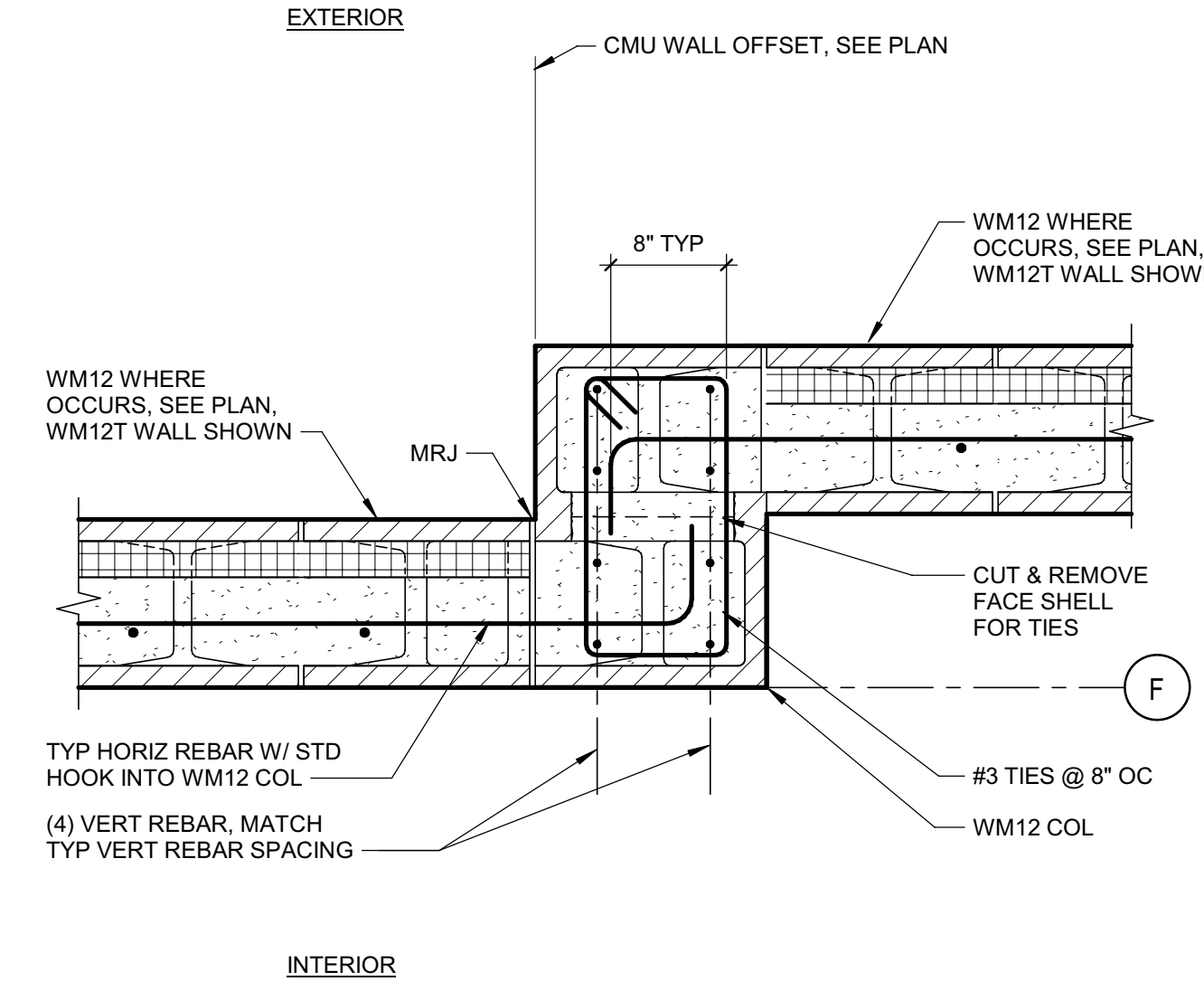
**10** TYP WM8N MASONRY WALLS AT STEEL DECK ROOF  
SCALE: NTS



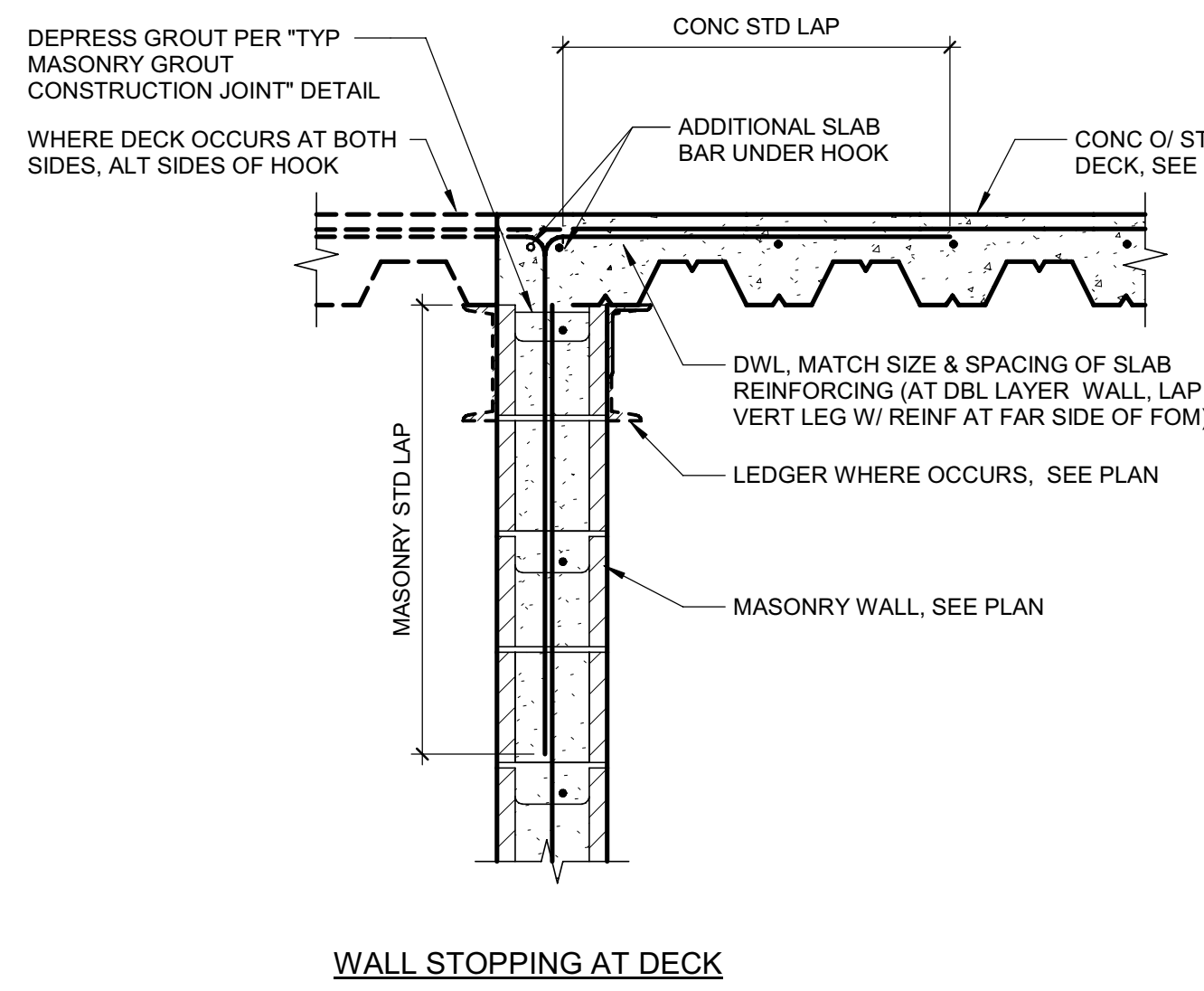
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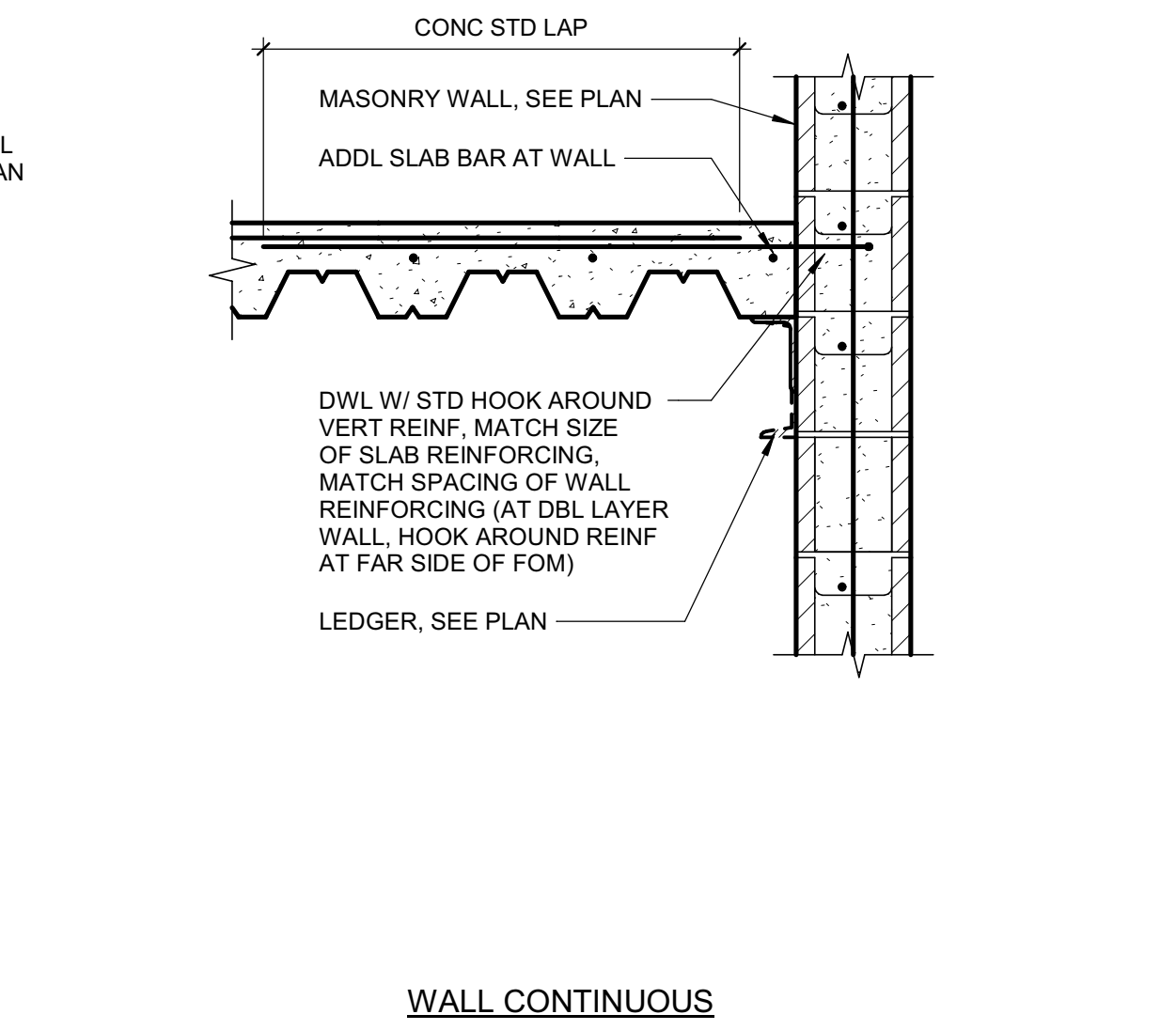
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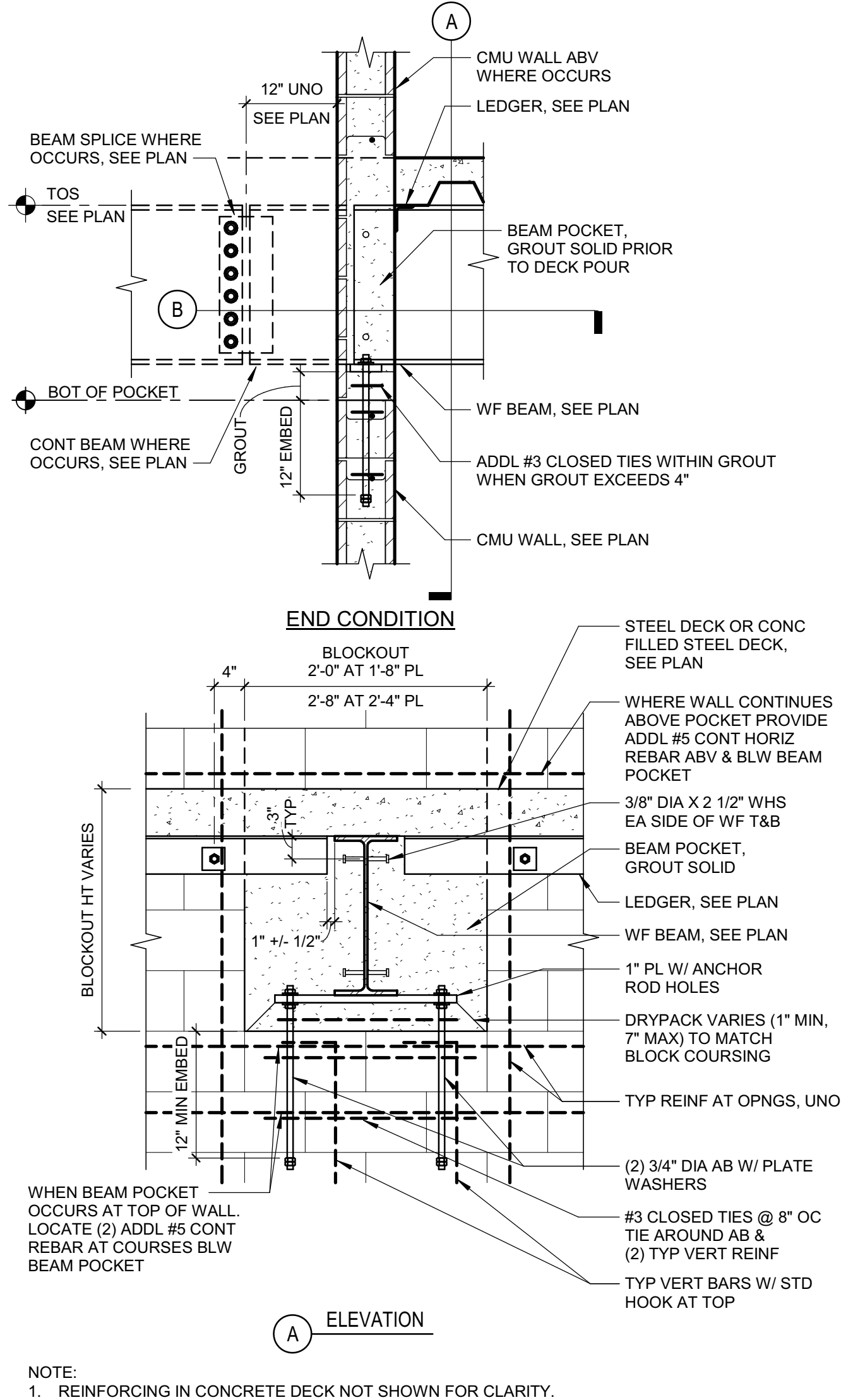
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SCALE: NTS



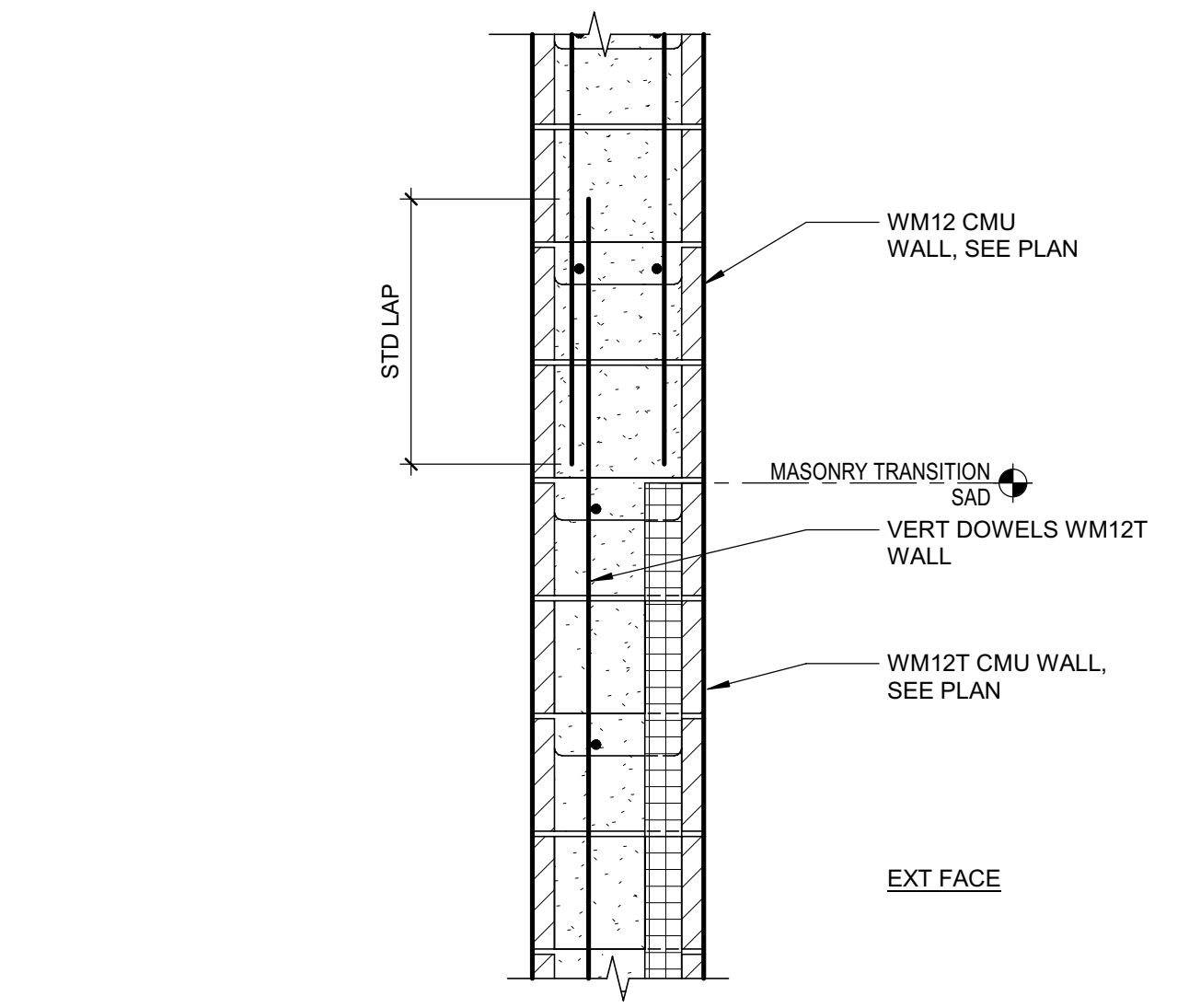
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SCALE: NTS



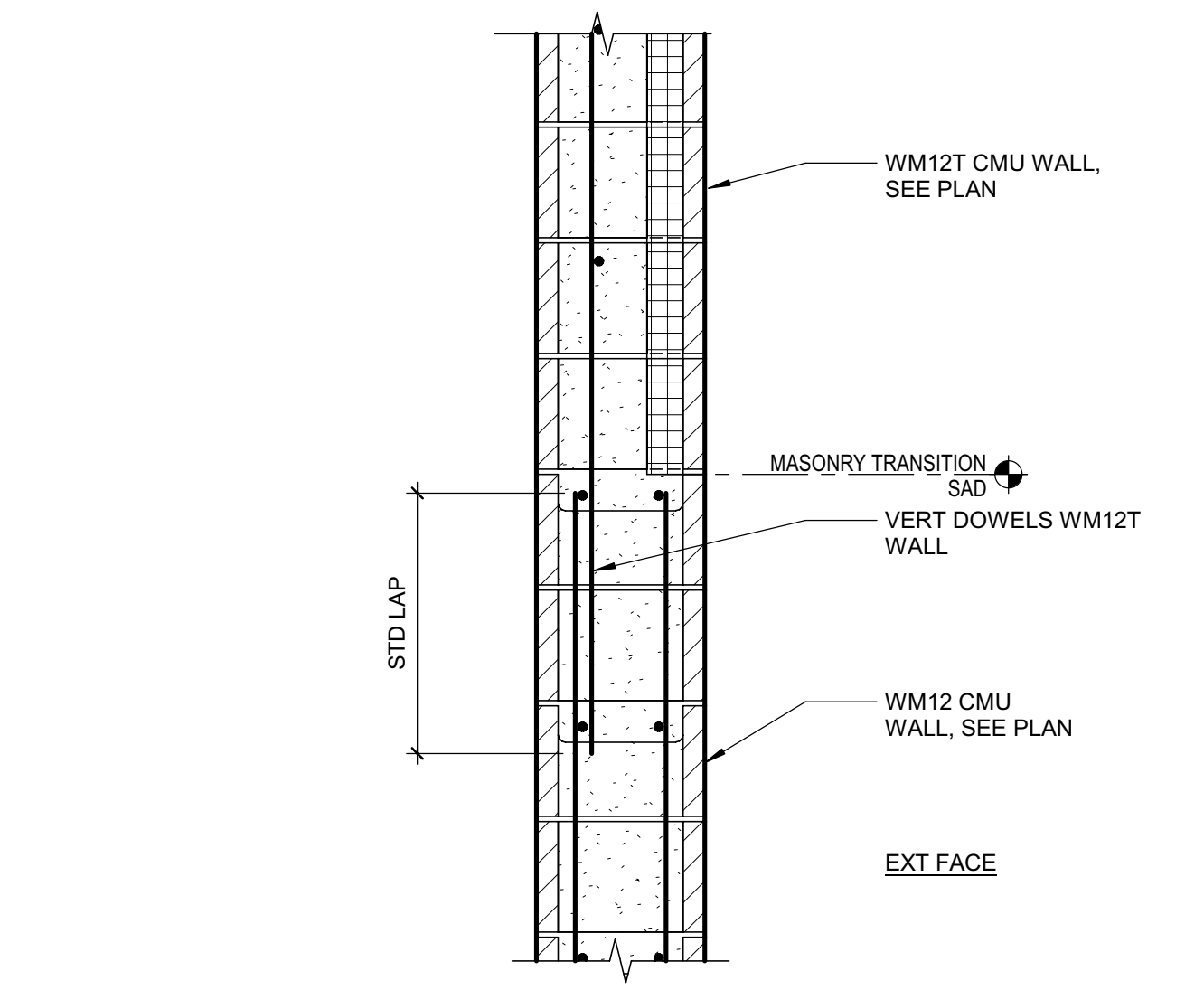
**14** TYP WM8N MASONRY WALL TO CONC FILLED STEEL DECK  
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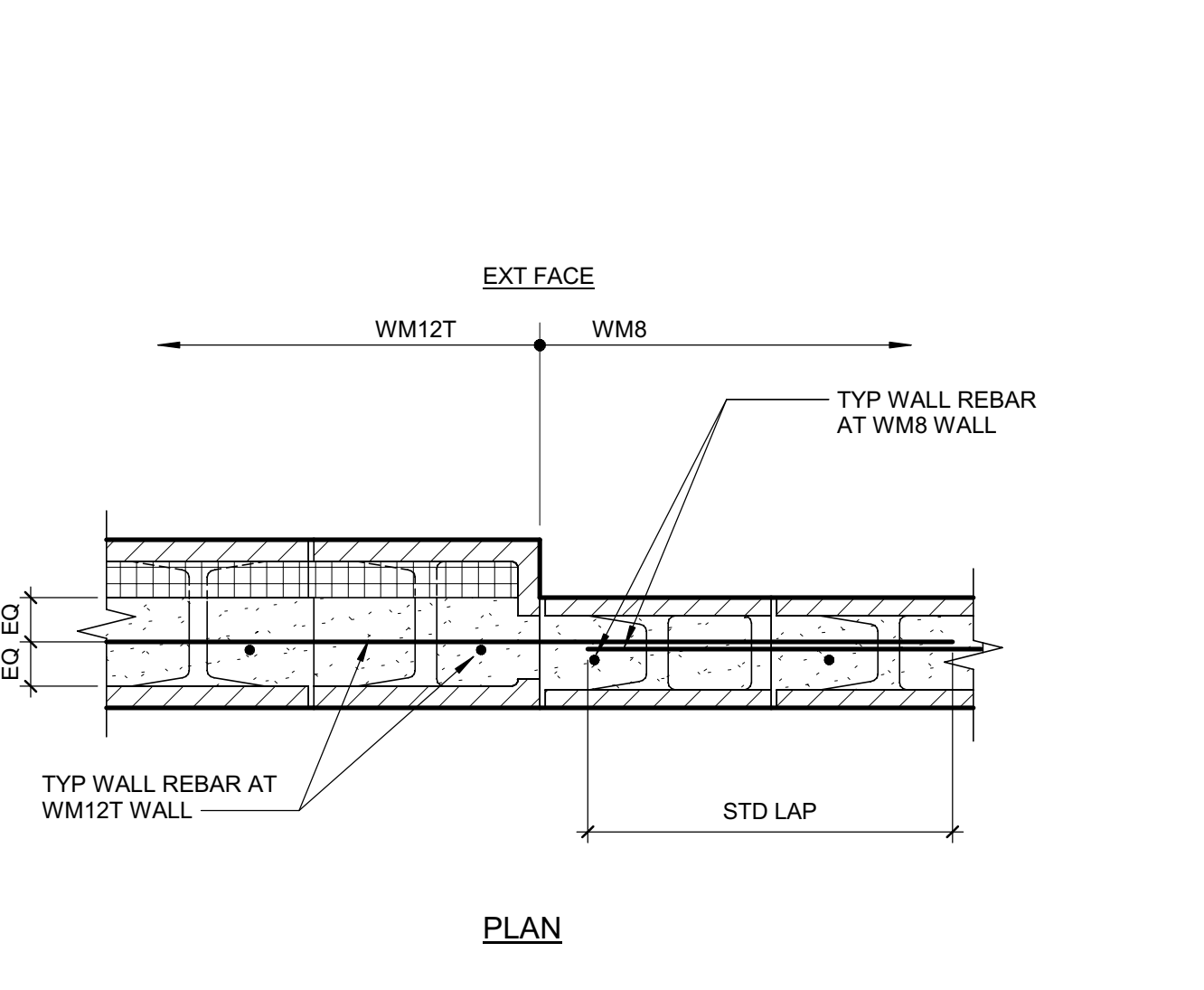
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SCALE: NTS



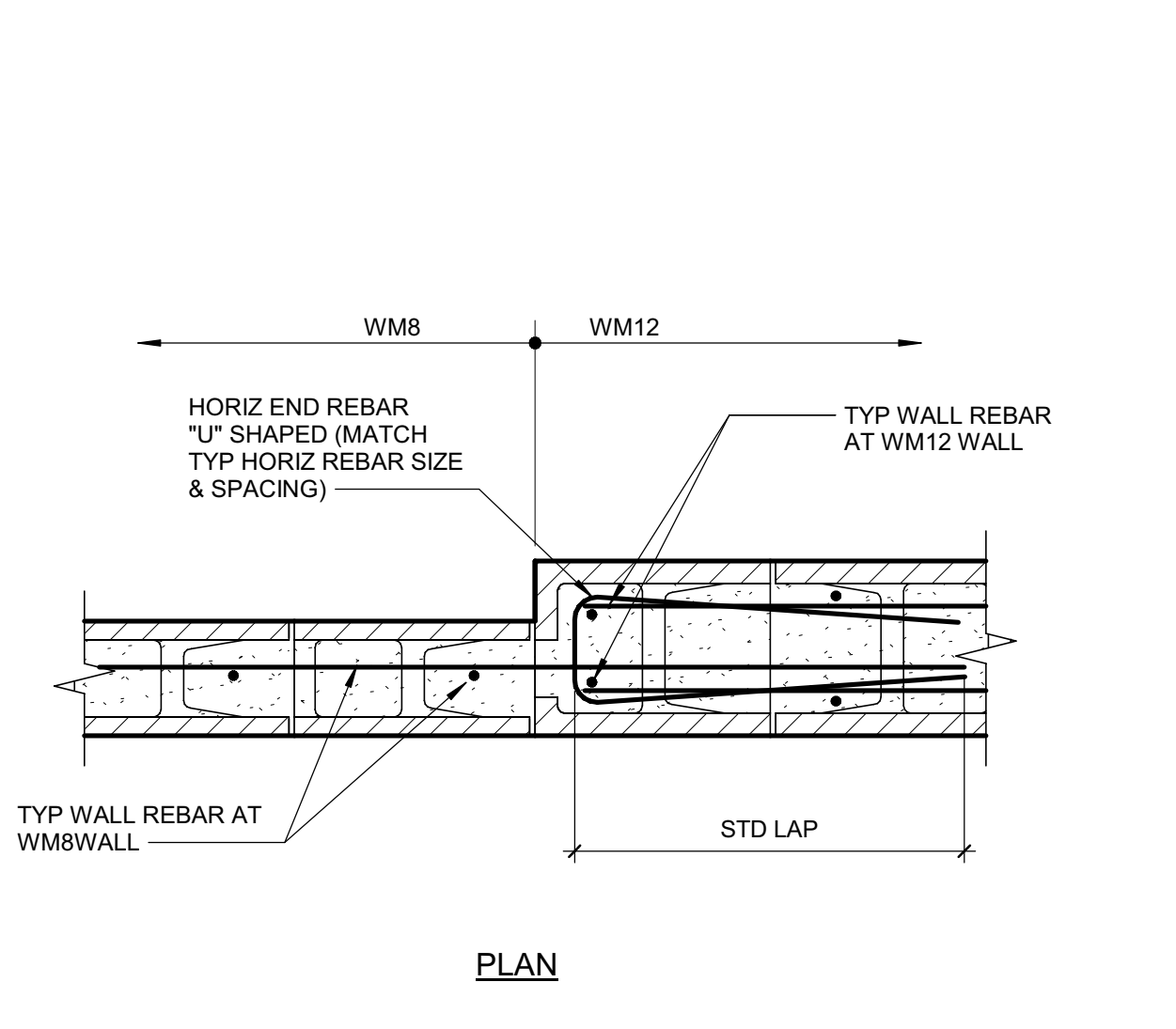
**4** TYP WM12T TO WM12 TRANSITION  
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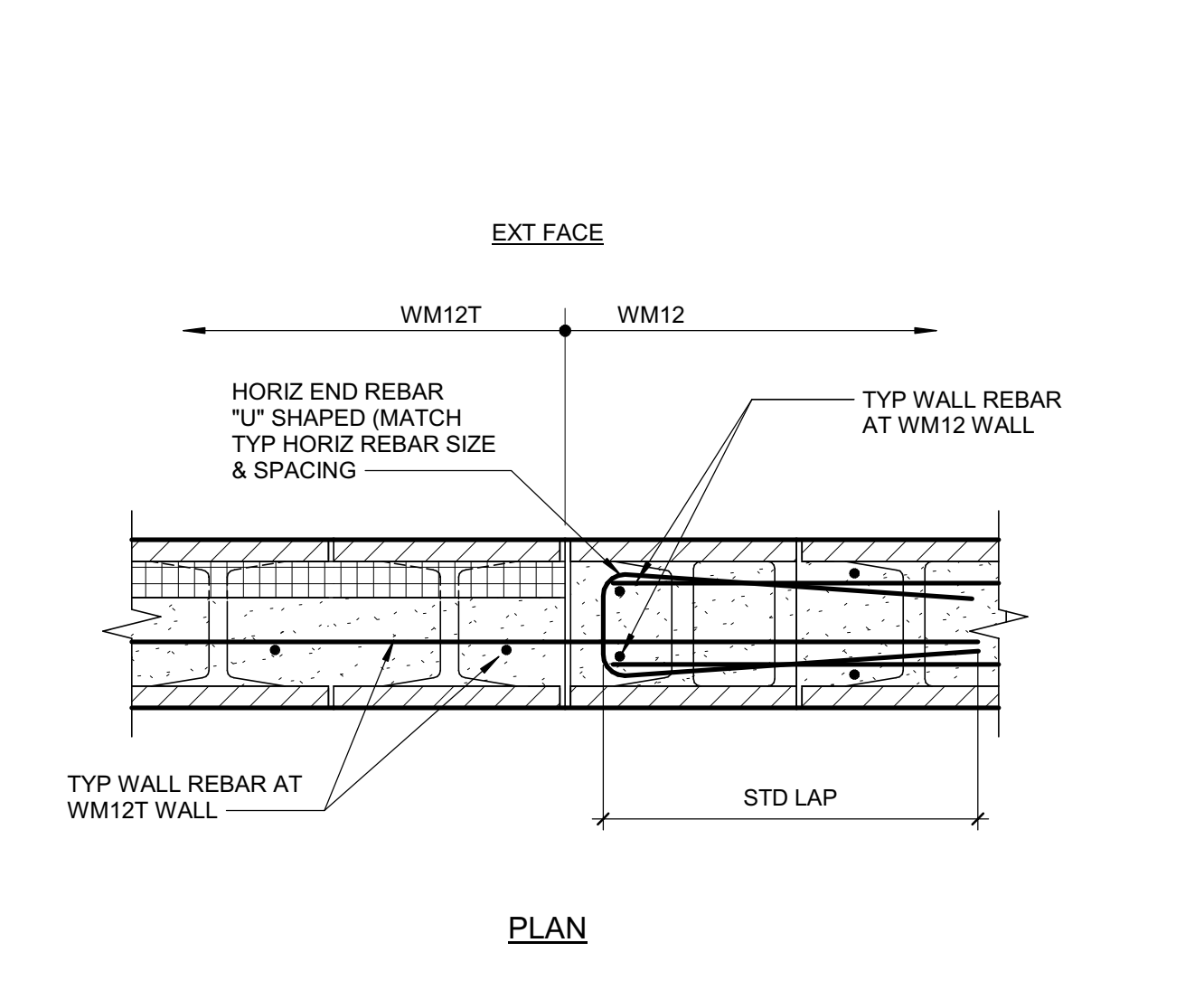
**8** TYP WM12 TO WM12T TRANSITION  
SCALE: NTS



**12** WM8 TO WM12T PLAN  
SCALE: NTS



**16** WM8 TO WM12 PLAN  
SCALE: NTS



**20** WM12 TO WM12T PLAN  
SCALE: NTS



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PROJECT NAME  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

DETAILS - MASONRY

DRAWING STATUS

WORKING DRAWINGS

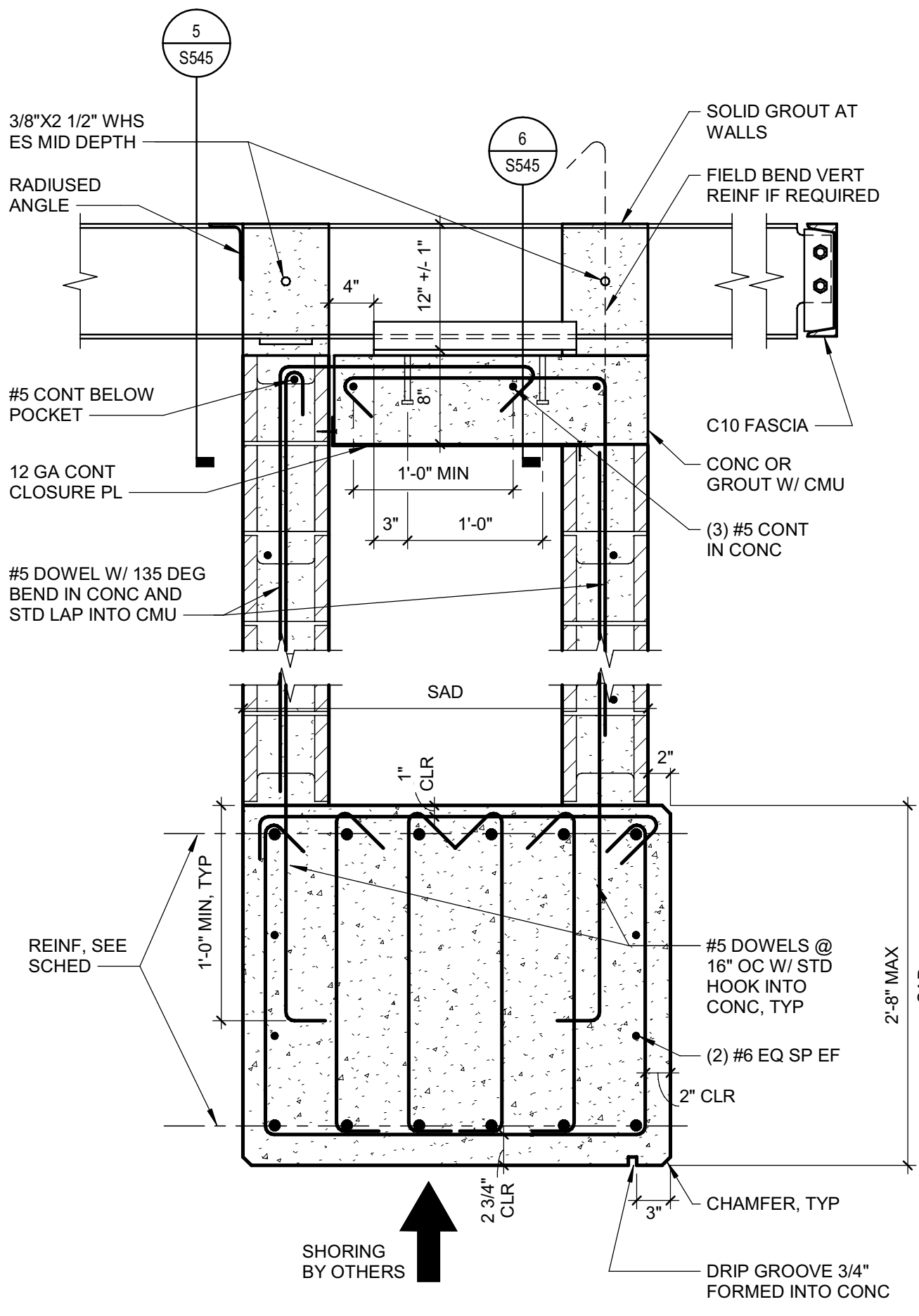
REVISIONS		
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

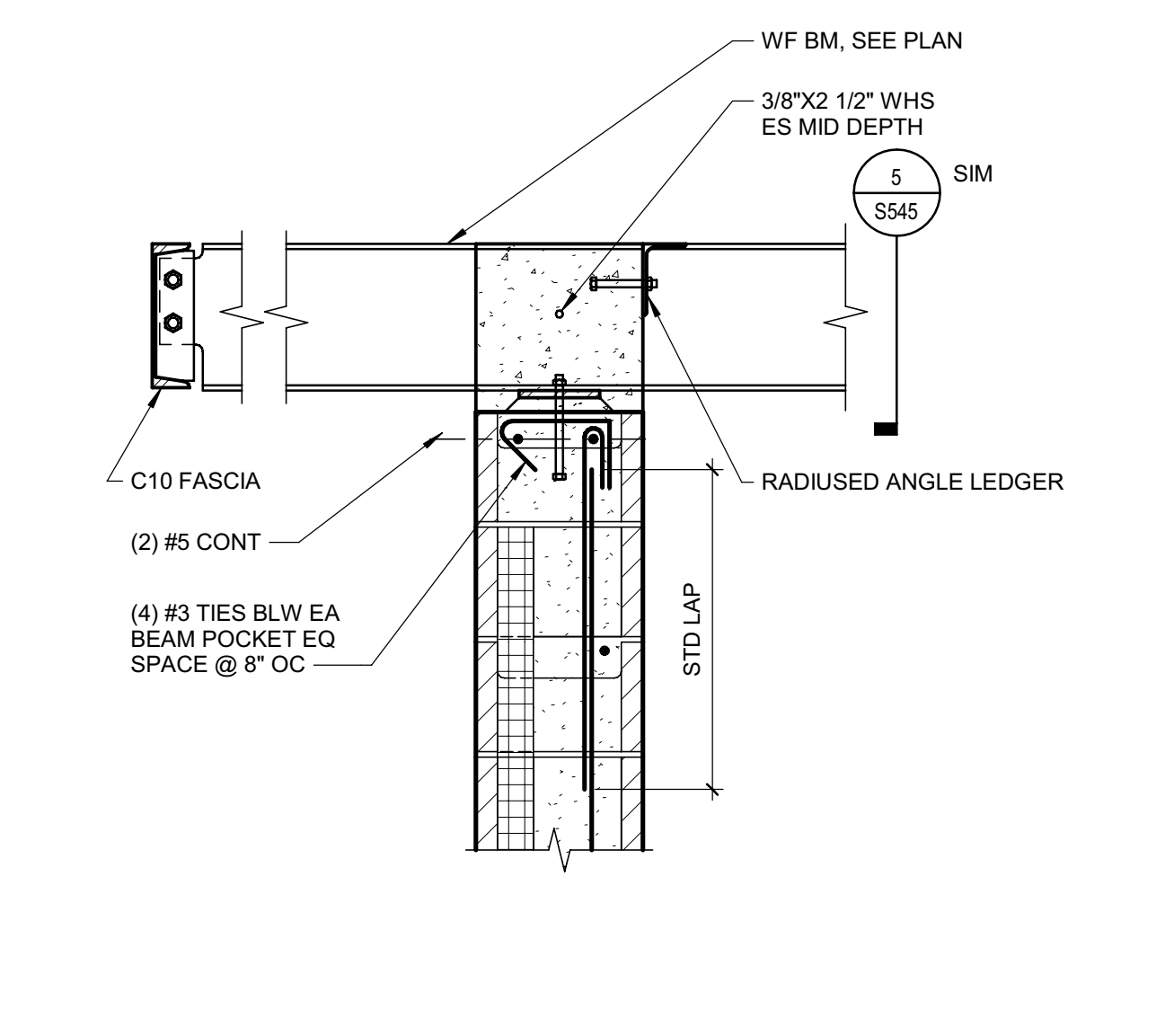
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**S544 V4**

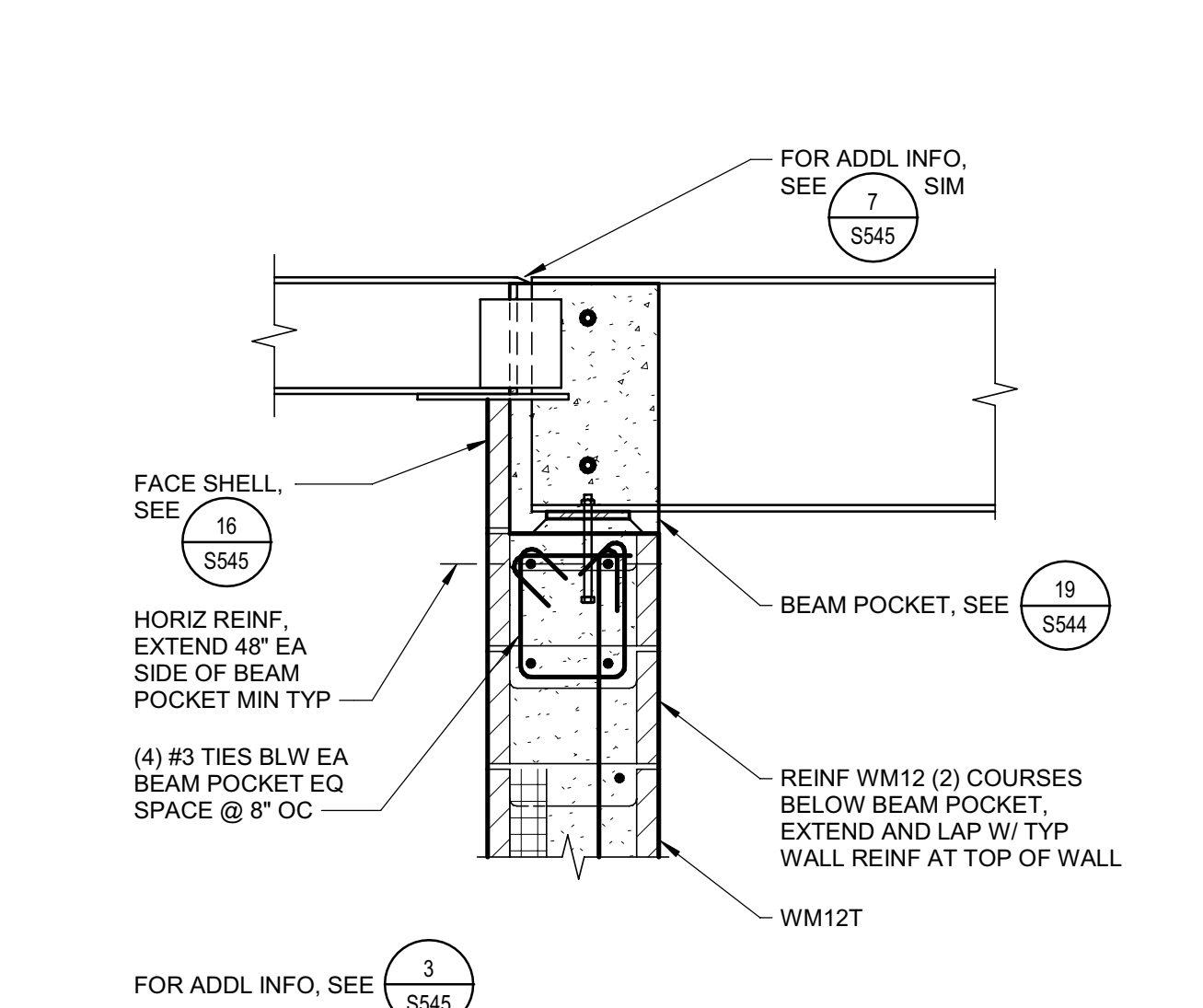
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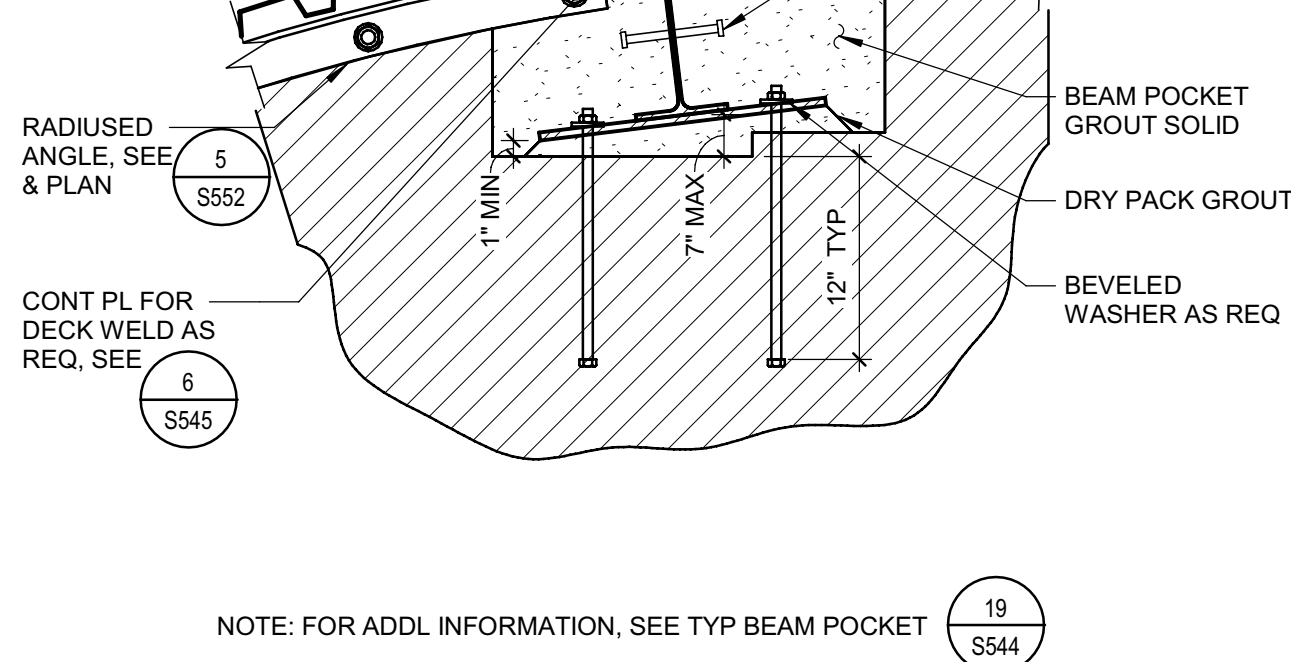
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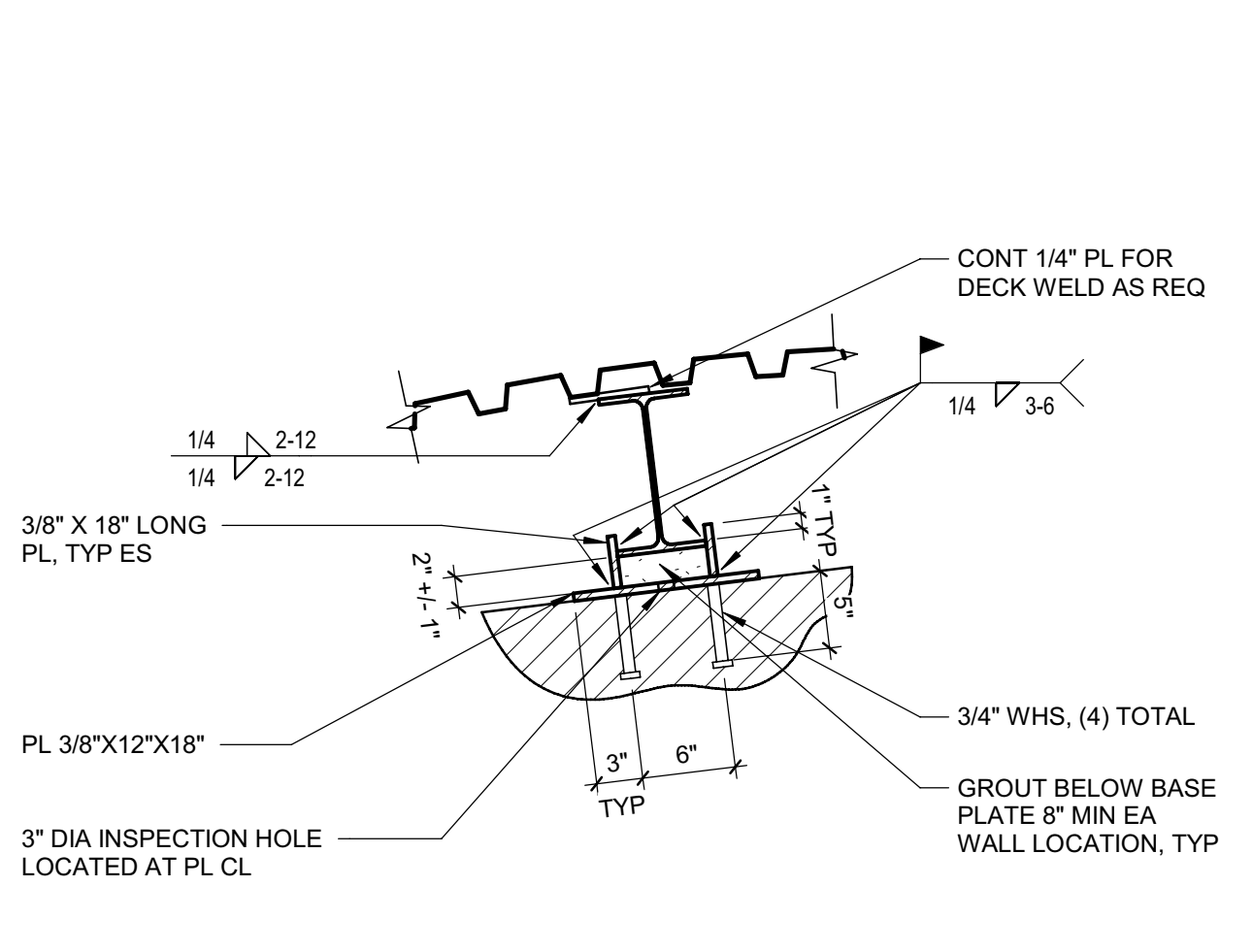
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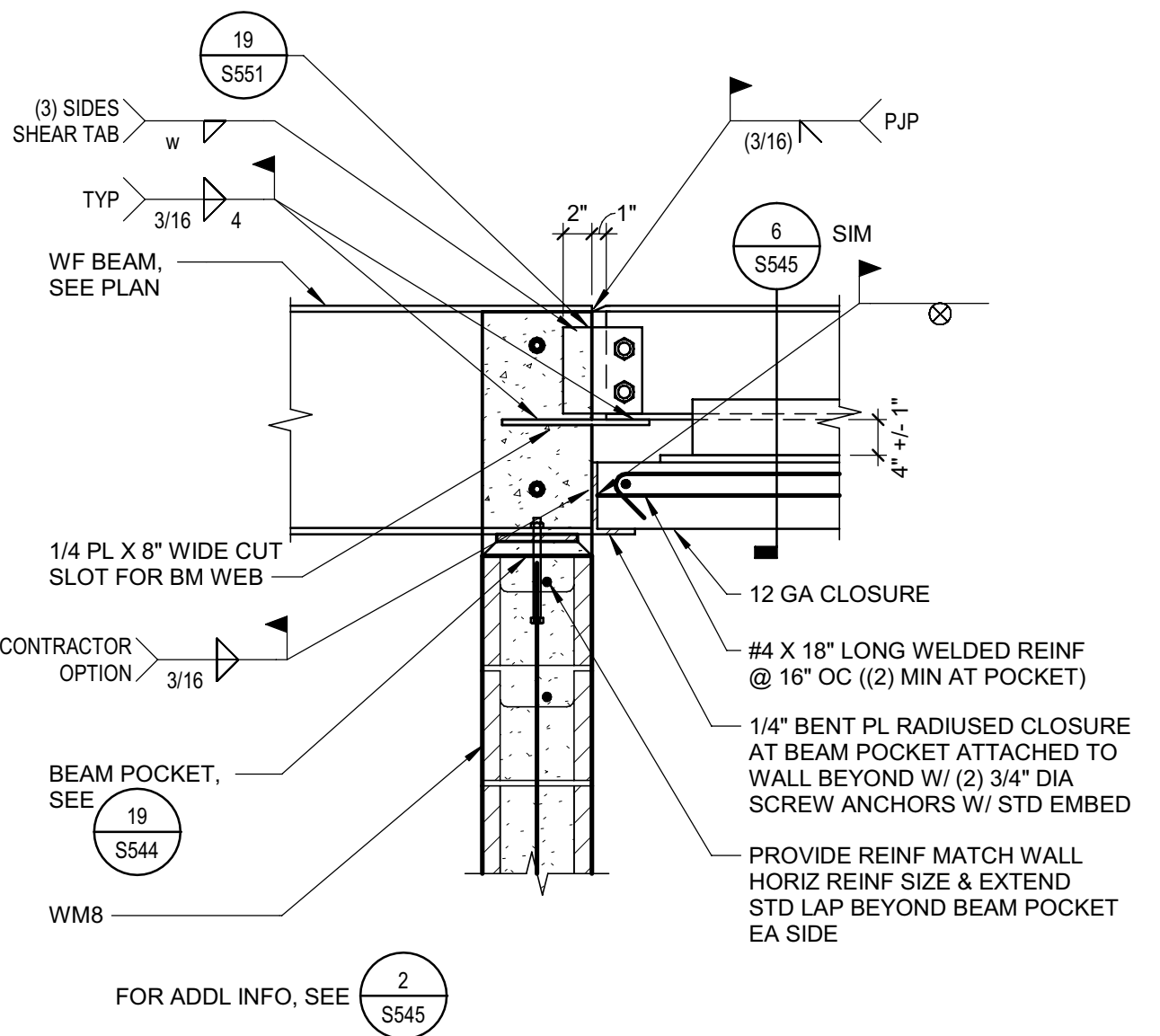
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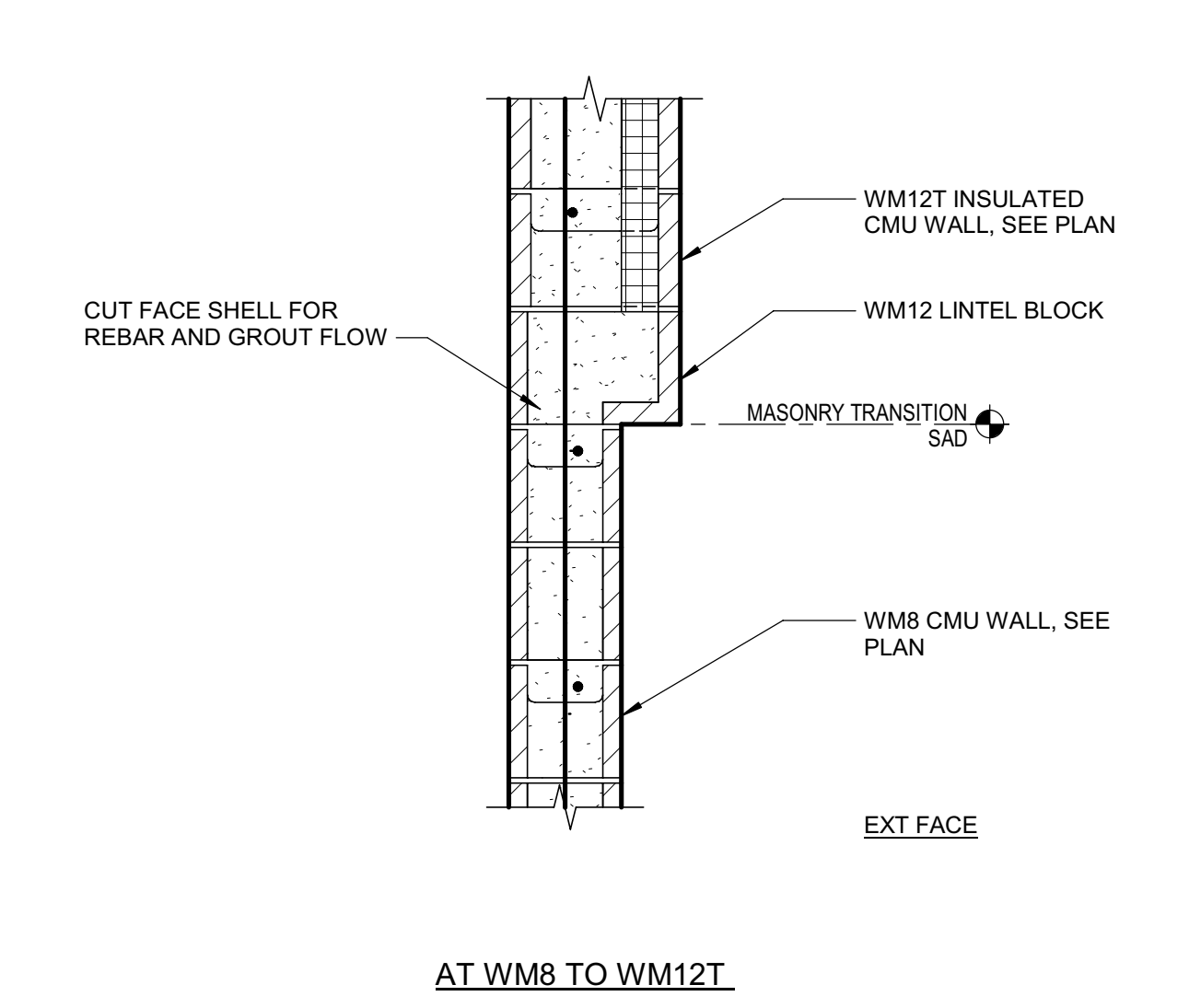
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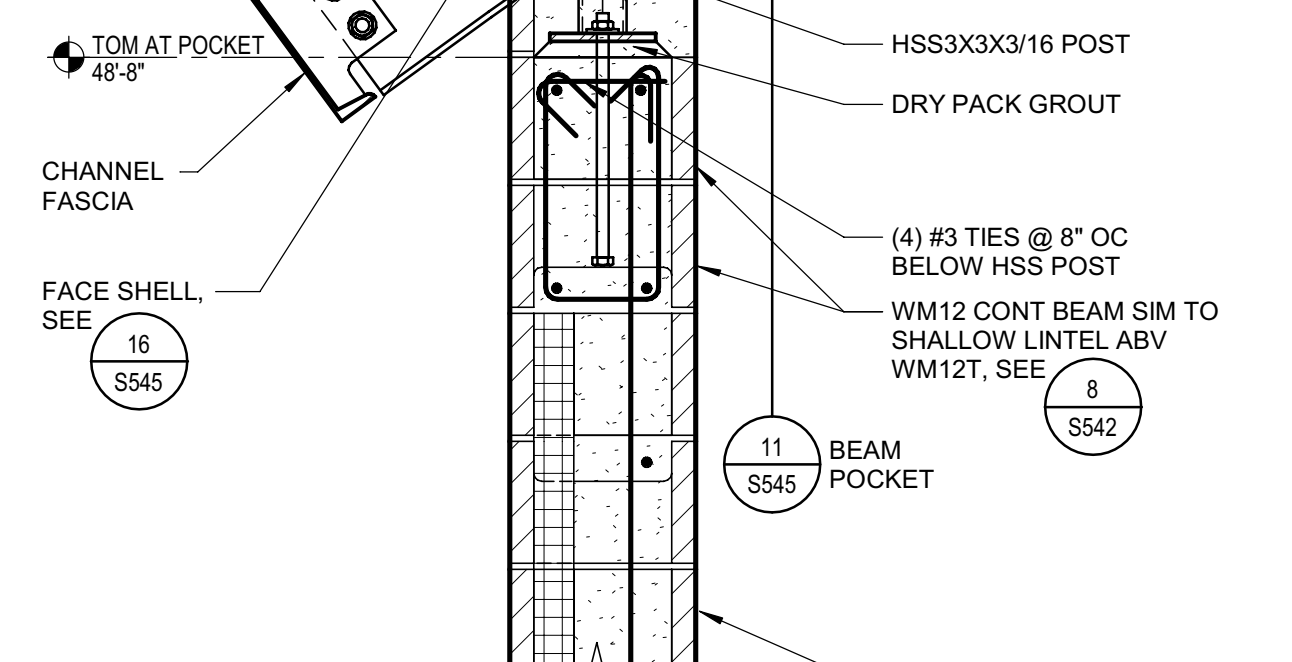
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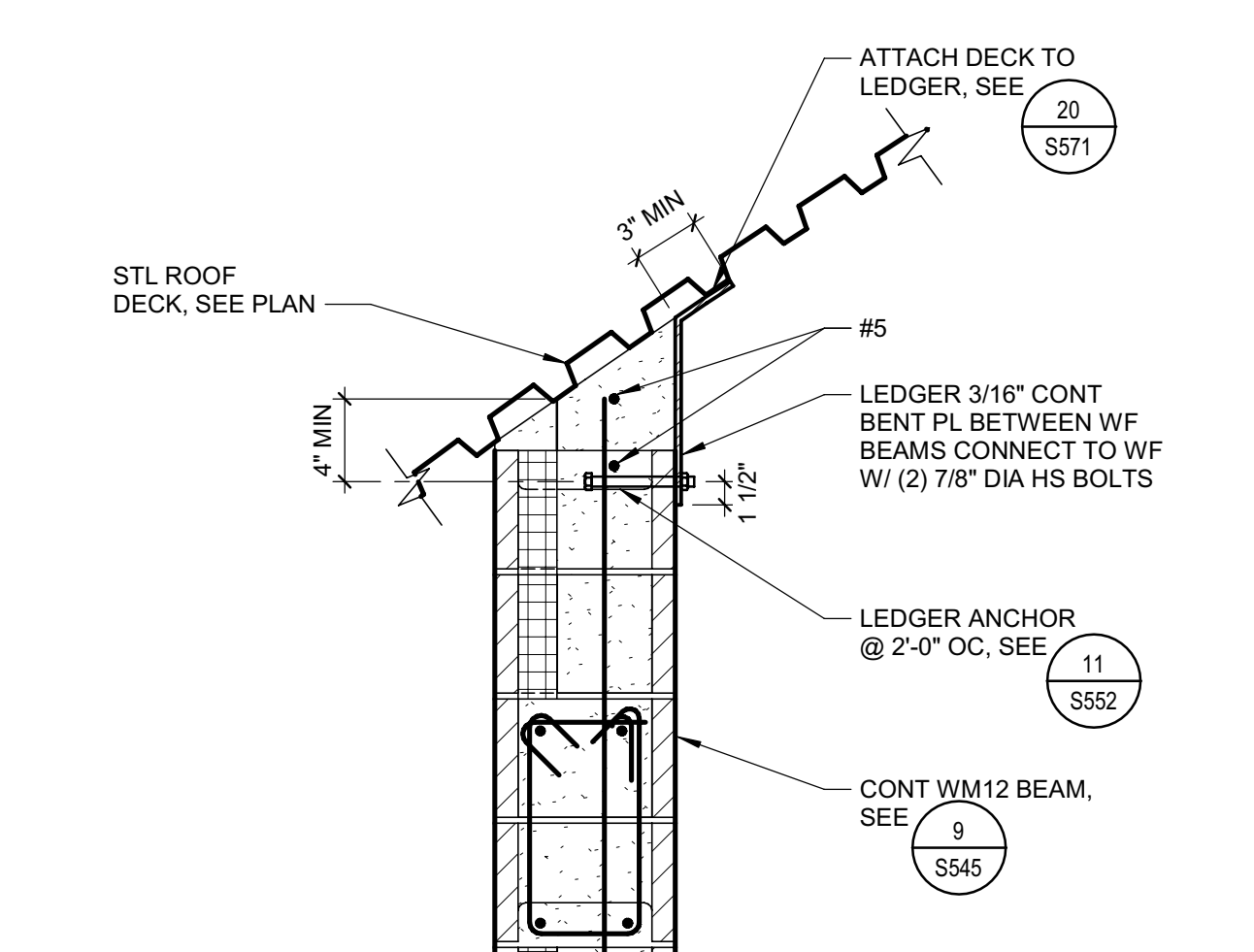
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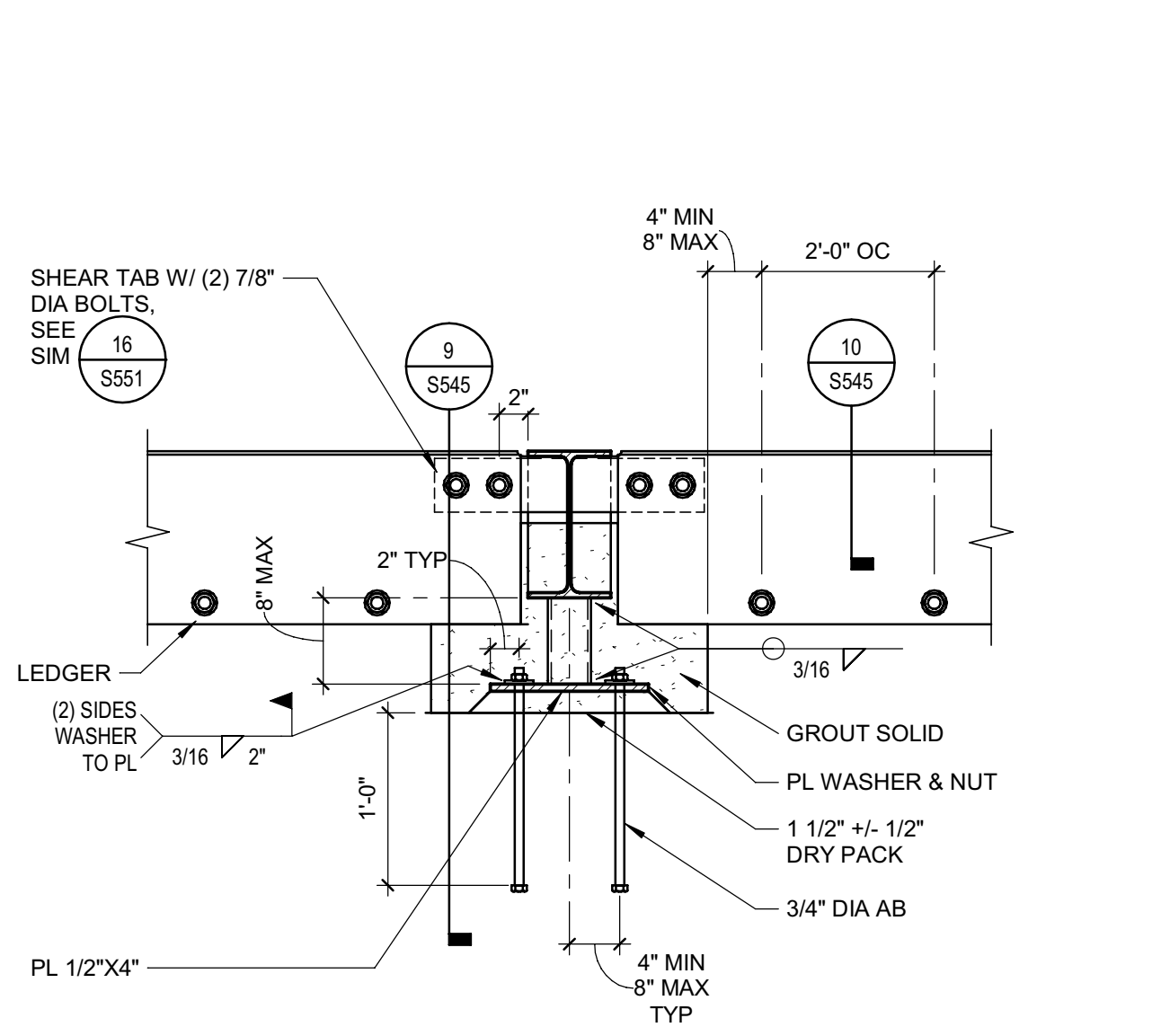
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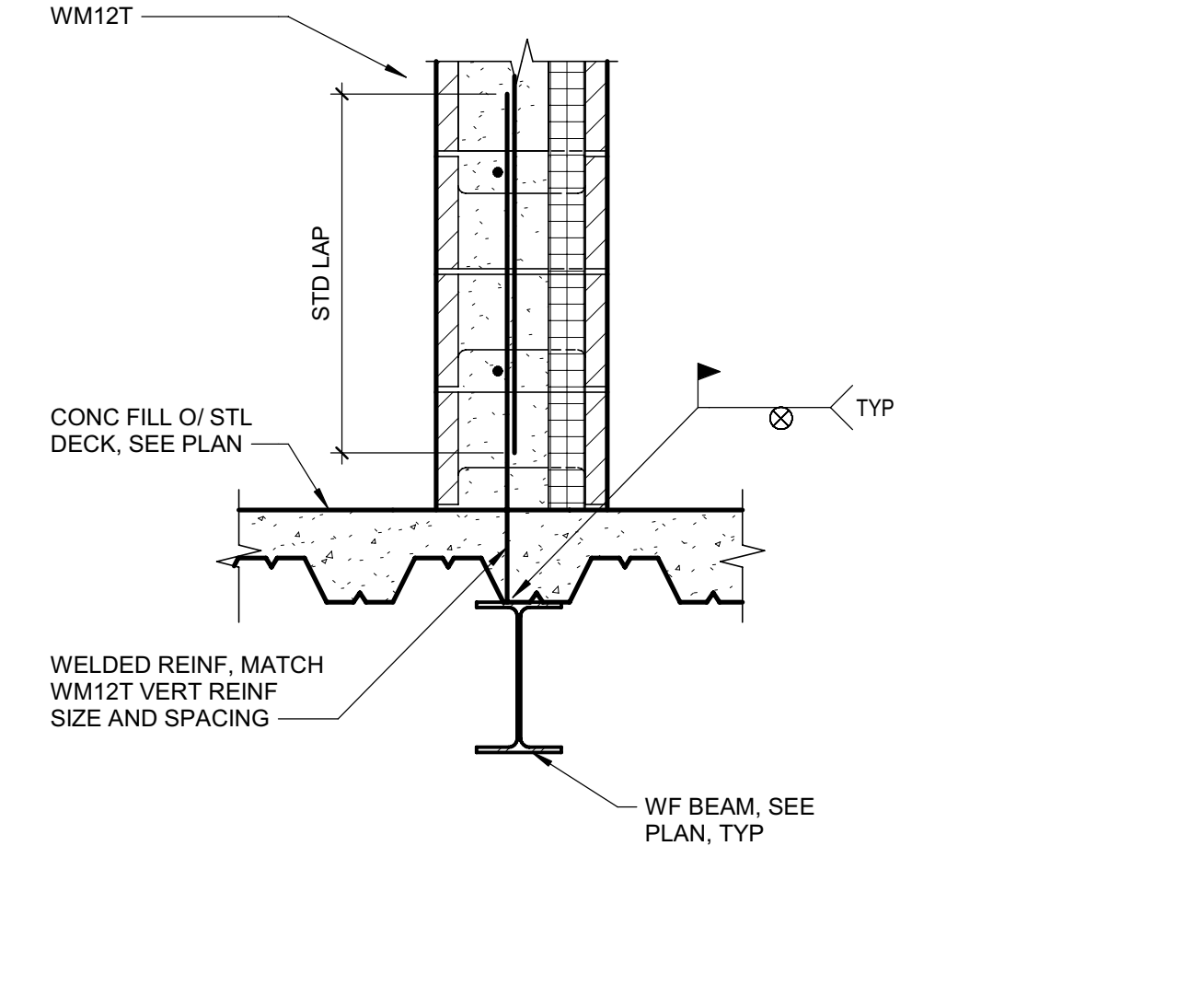
**8 TYP WM12 TO WM8 TRANSITION**  
SCALE: NTS



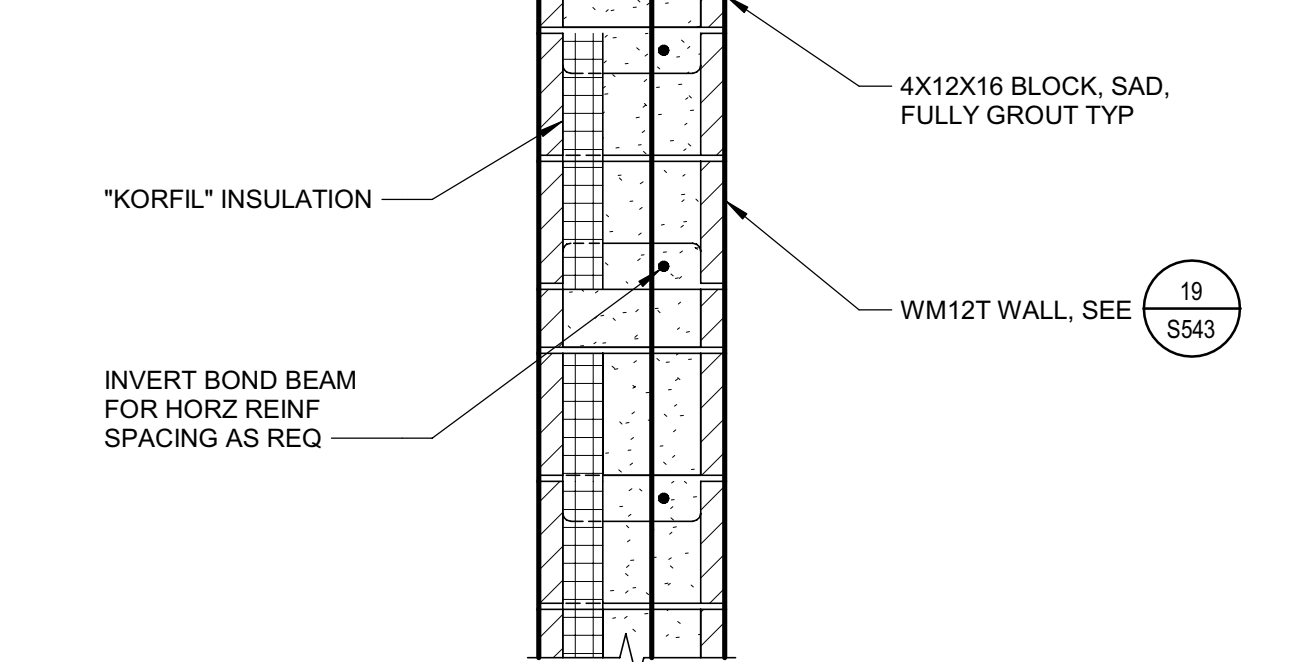
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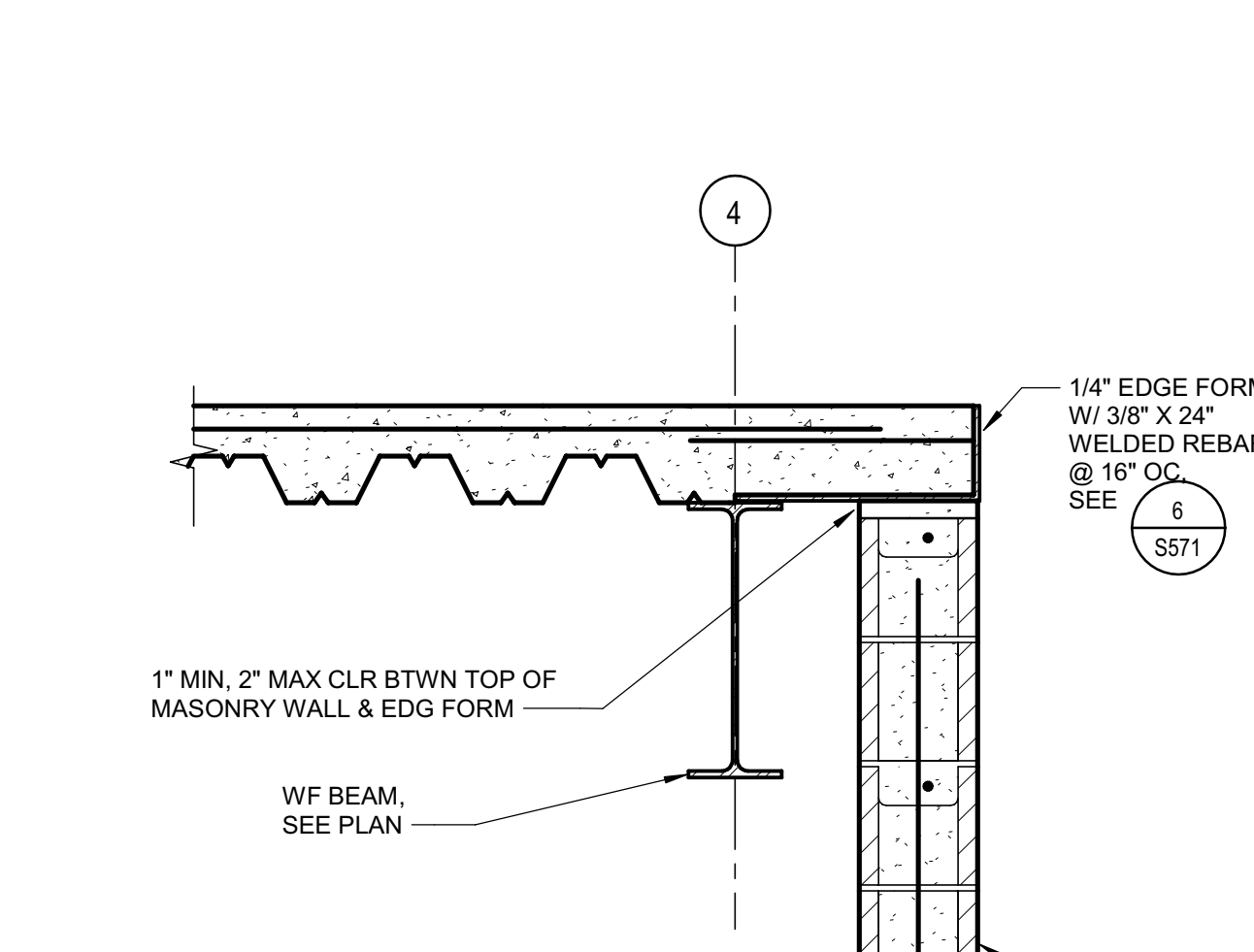
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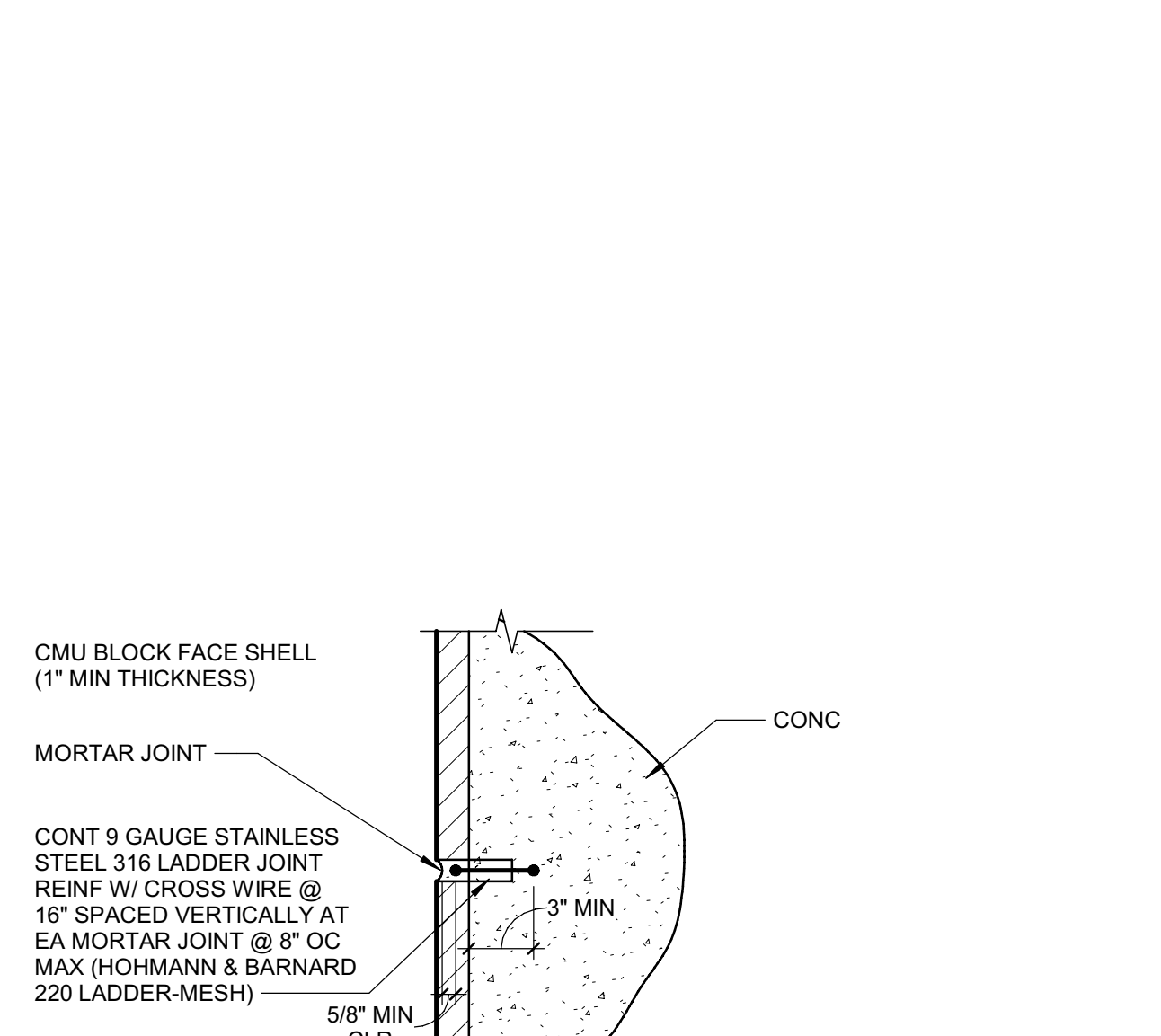
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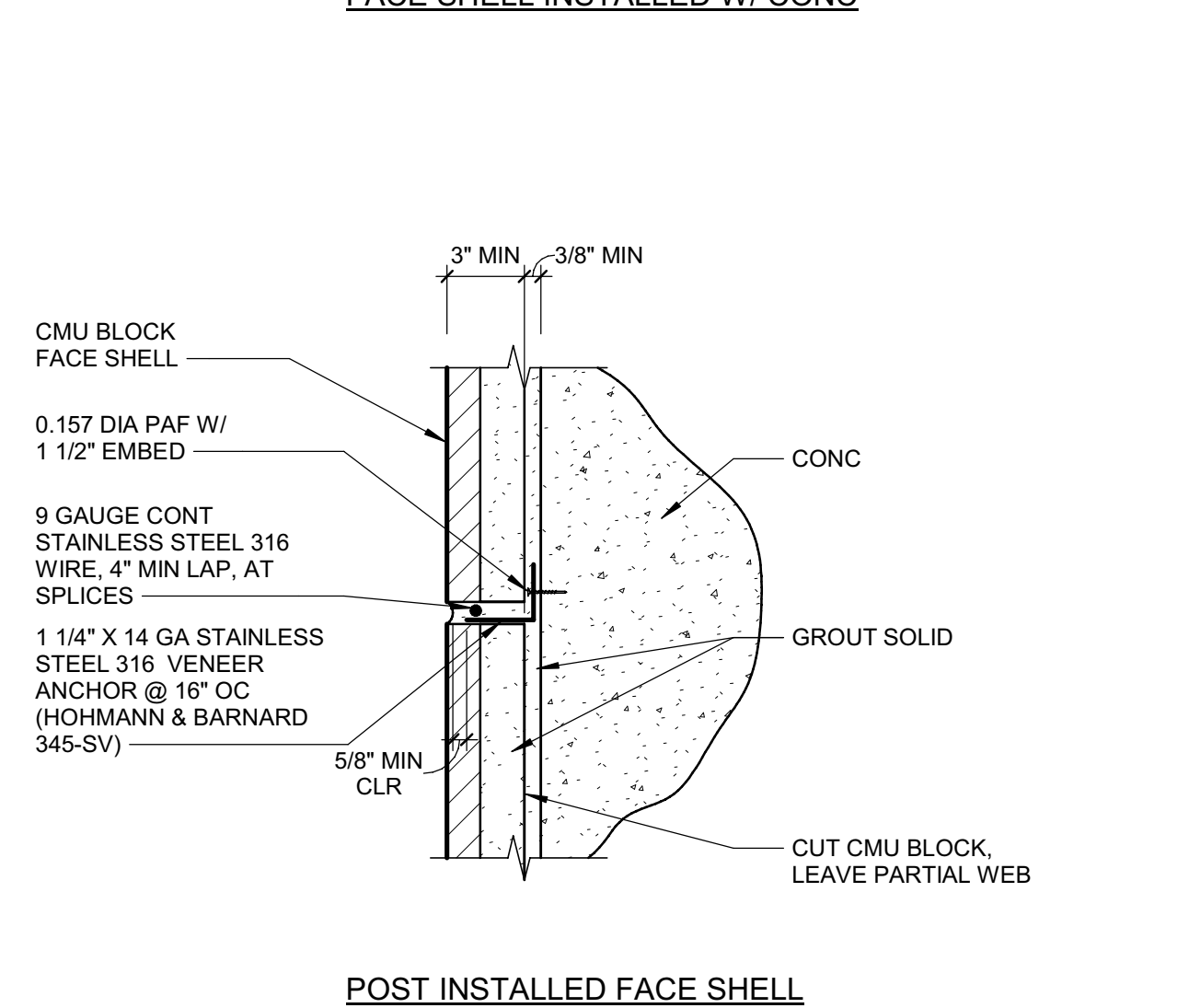
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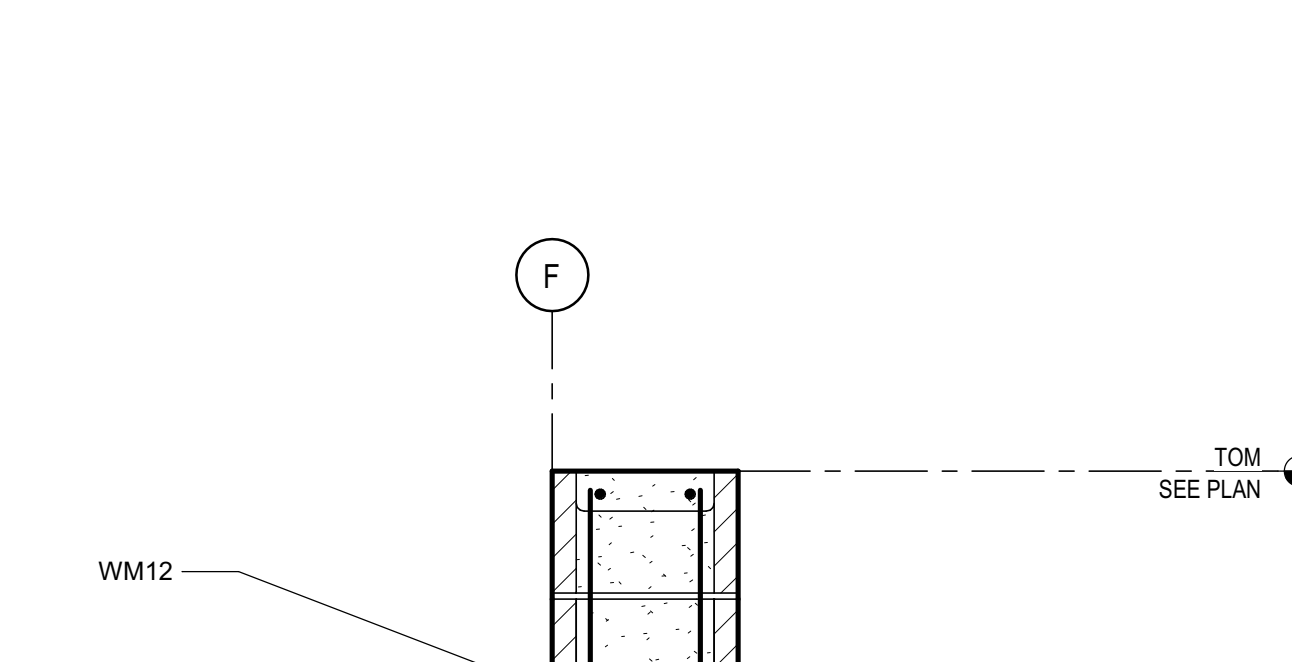
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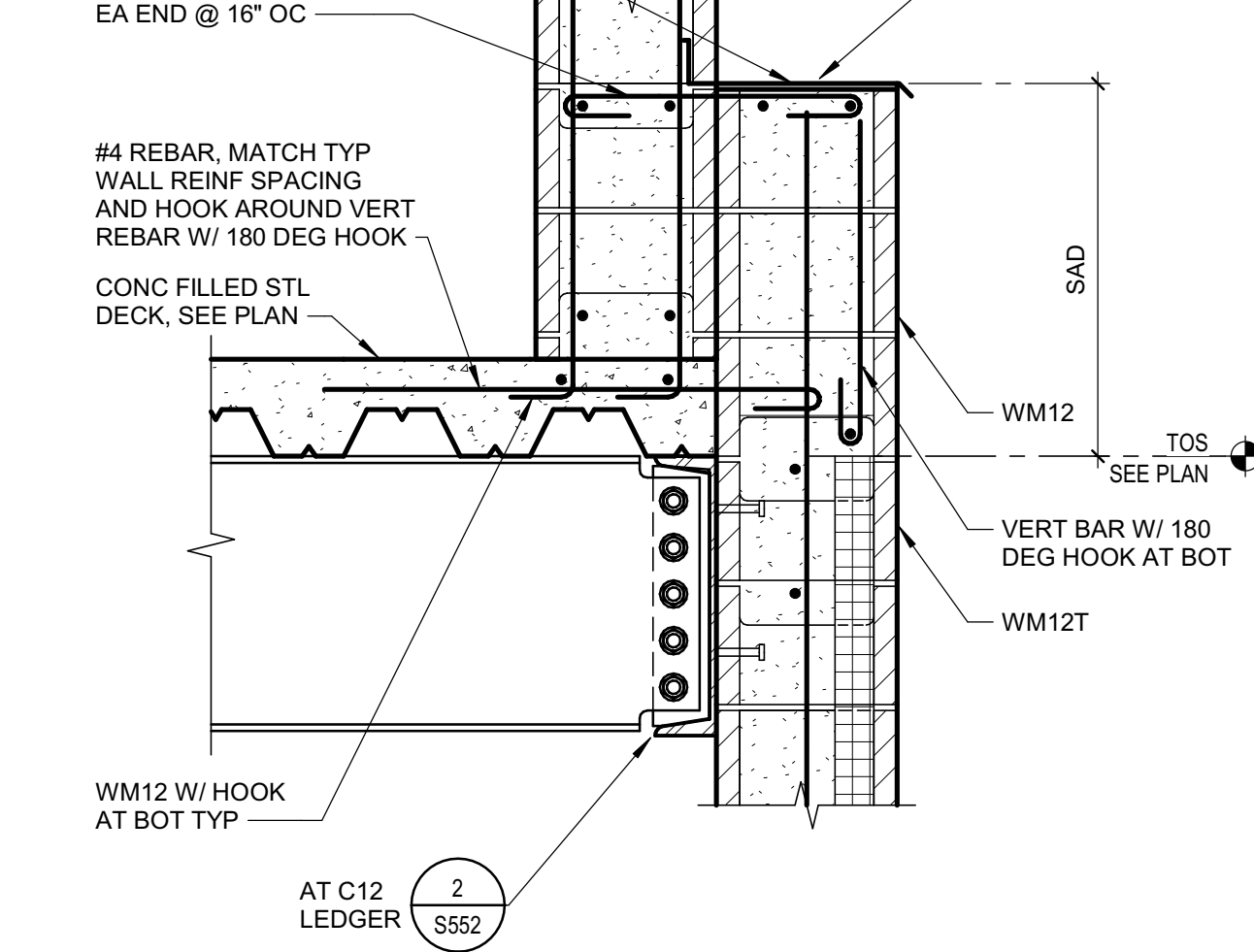
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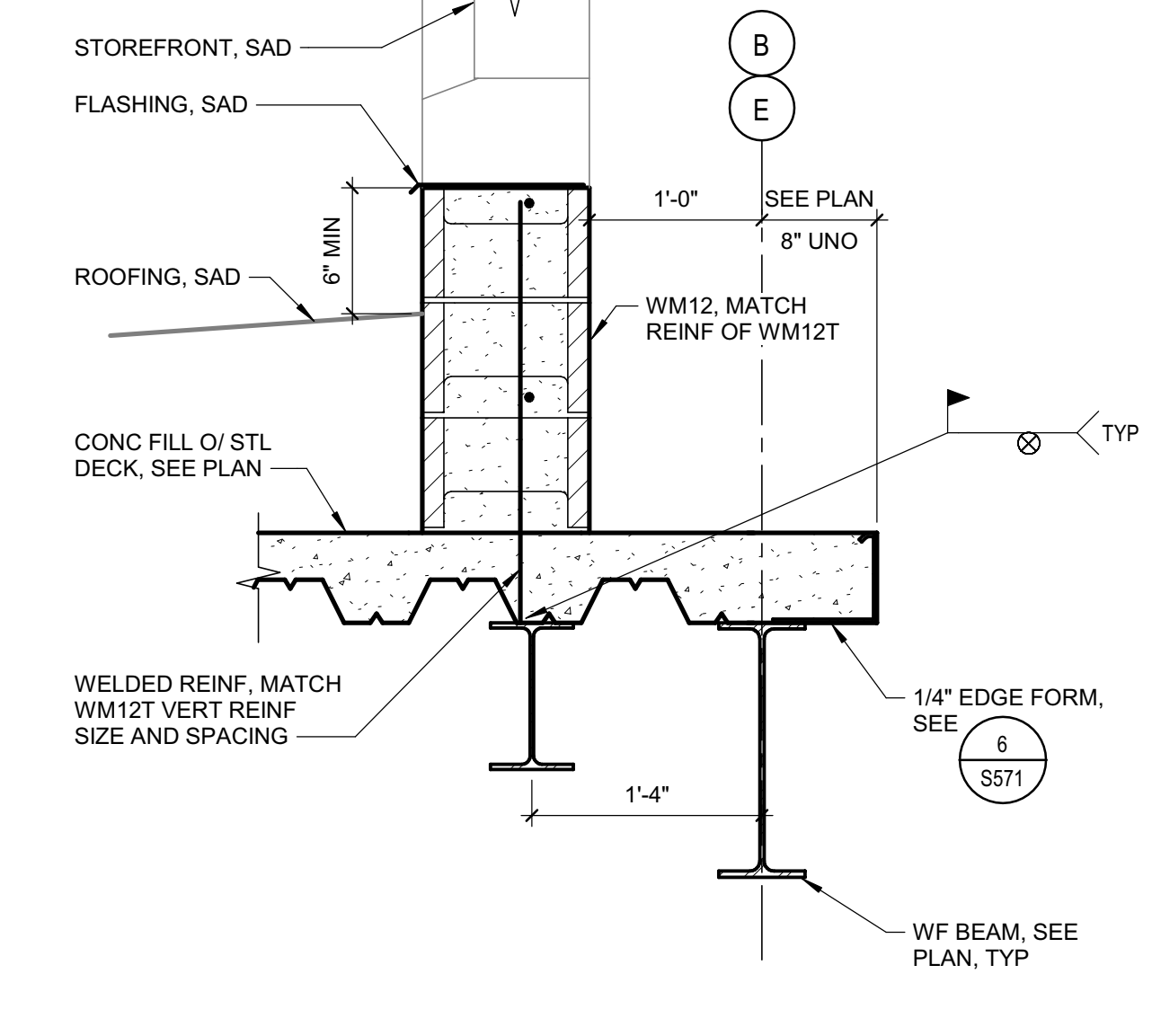
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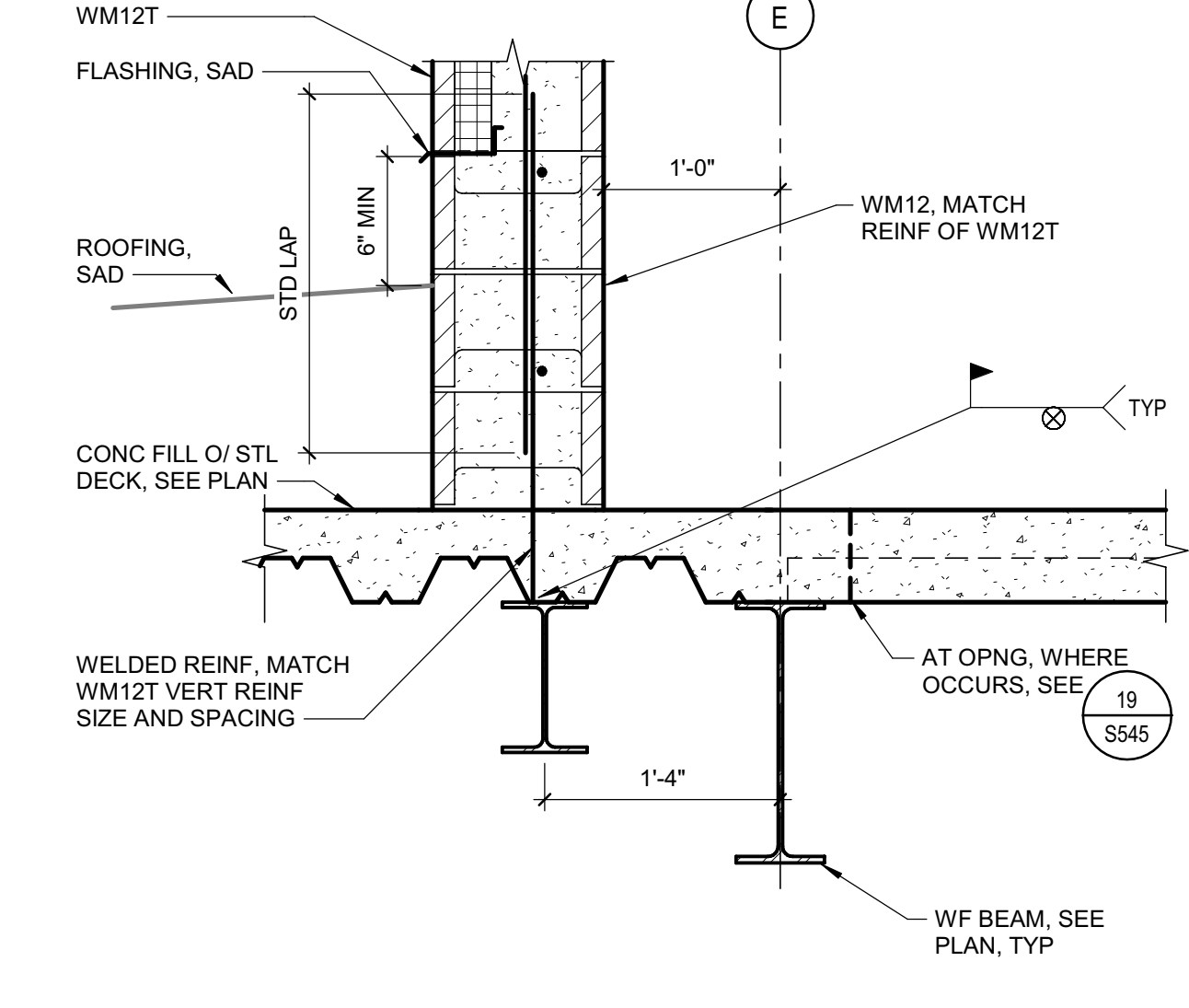
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**17 DETAIL**  
1" = 1'-0"



**18 DETAIL**  
1" = 1'-0"



**19 DETAIL**  
1" = 1'-0"



**20 DETAIL**  
1" = 1'-0"



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**DETAILS - MASONRY**

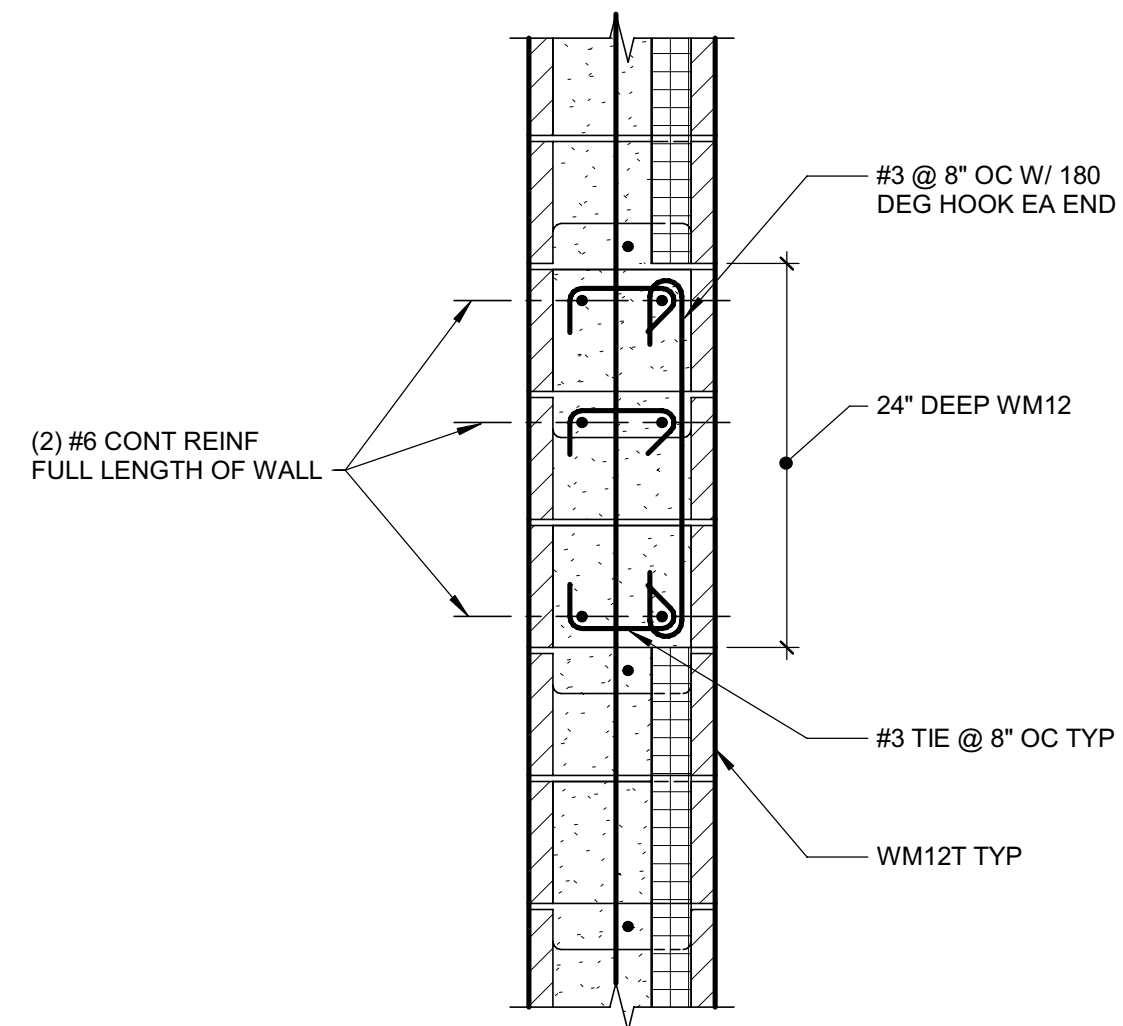
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Sym.	Description	Date

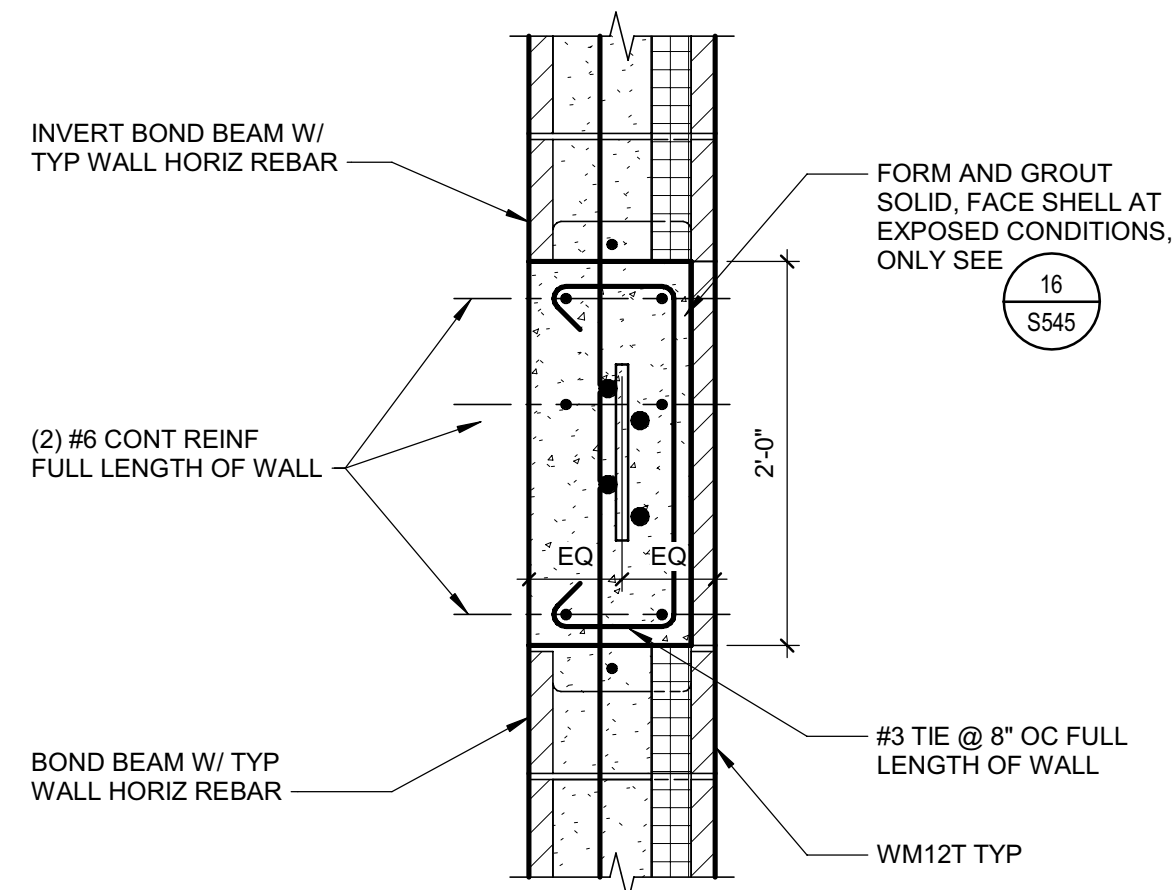
Drawn By **PAB**  
Date Issued **07.29.2022**  
Scale **As indicated**  
Project No. **016205.01**

SHEET No.

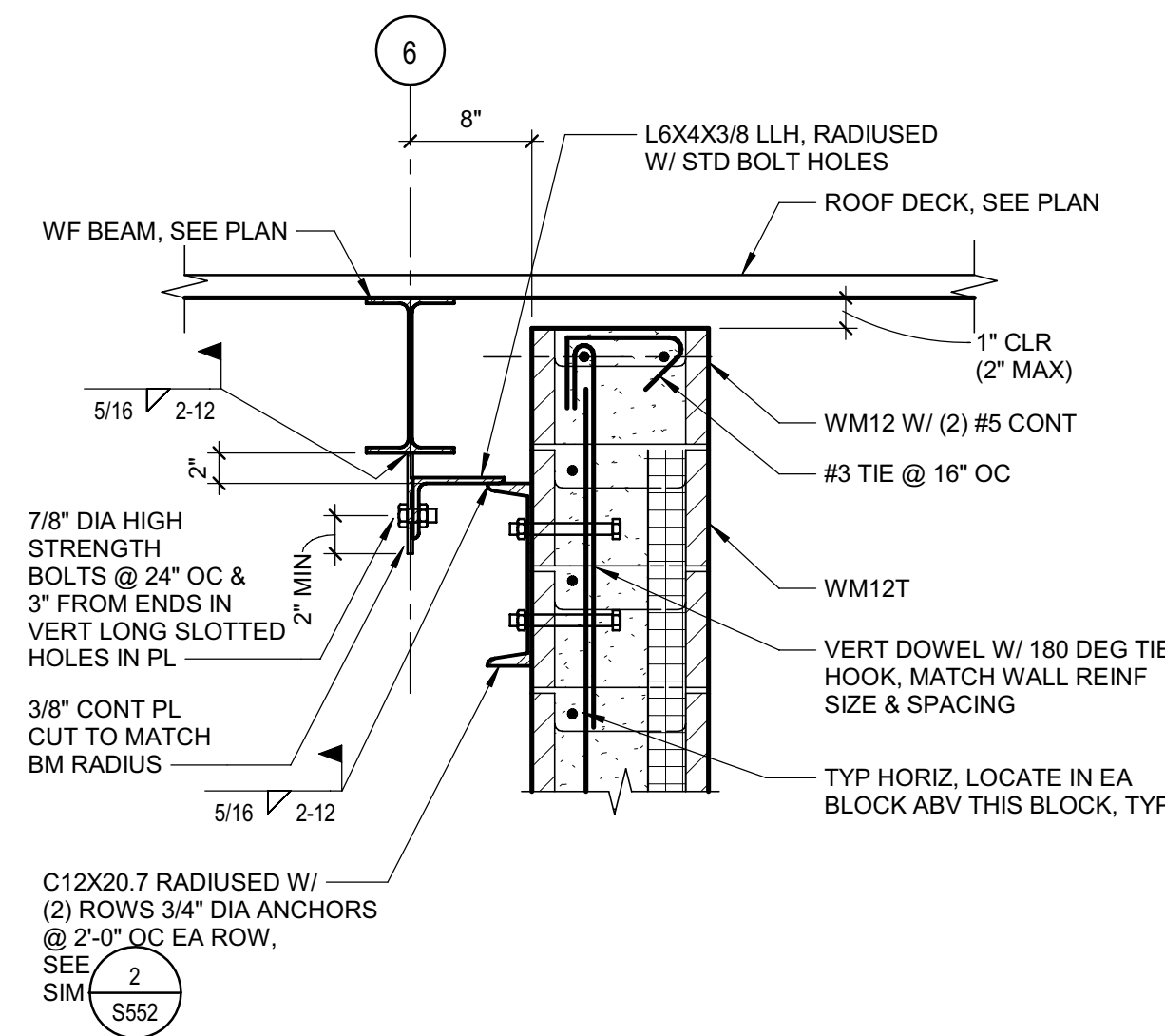
**S545 V4**



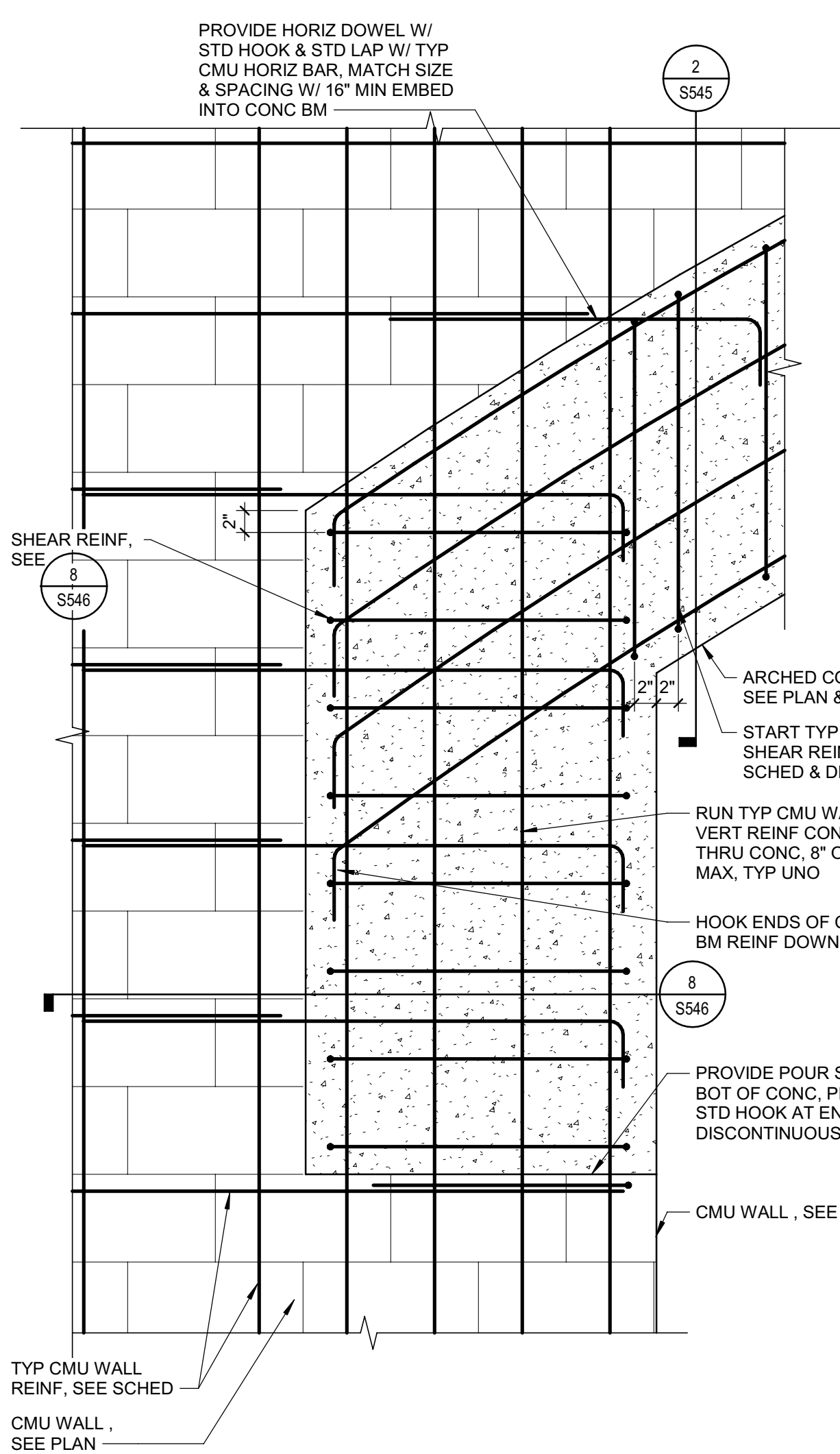
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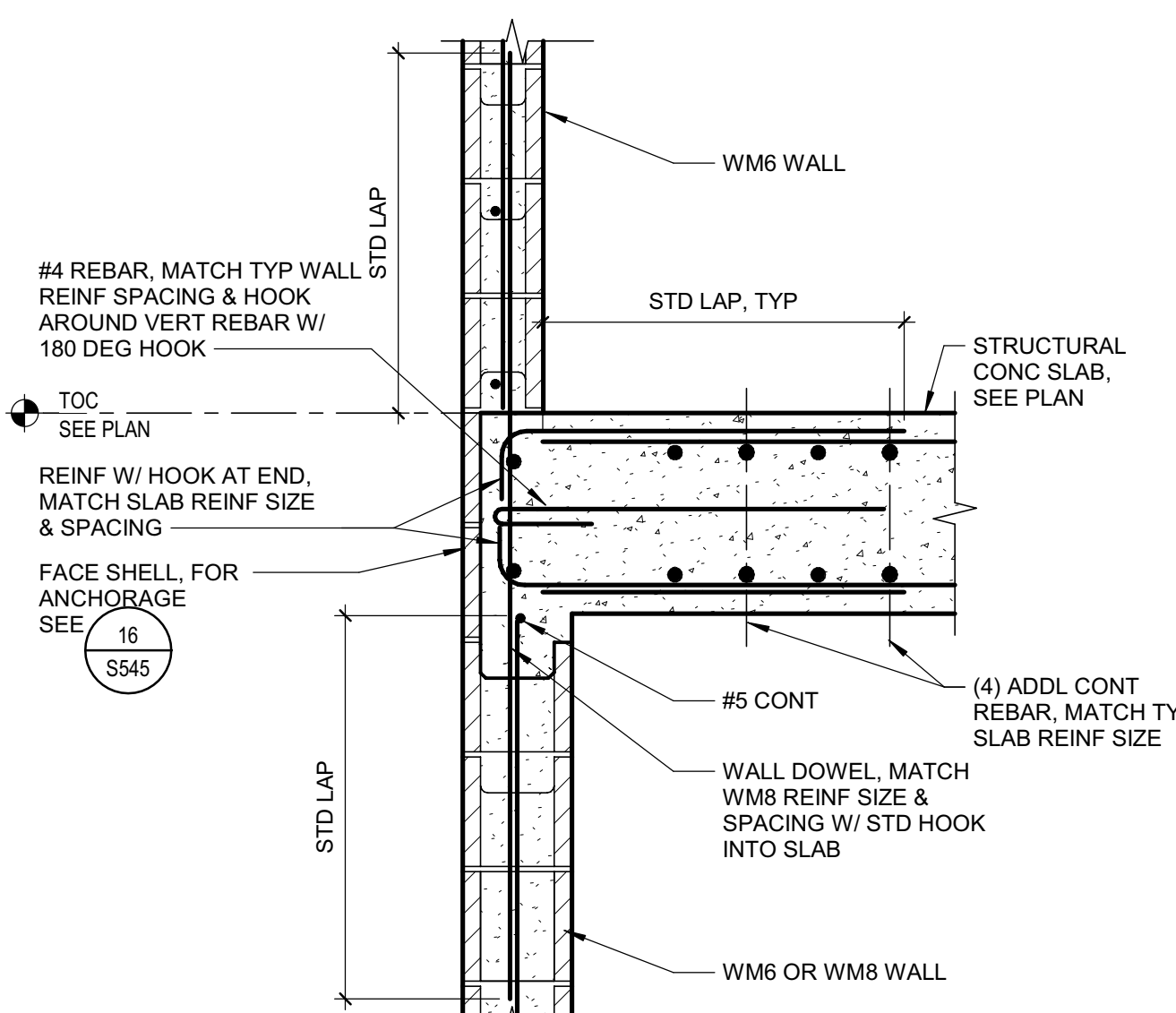
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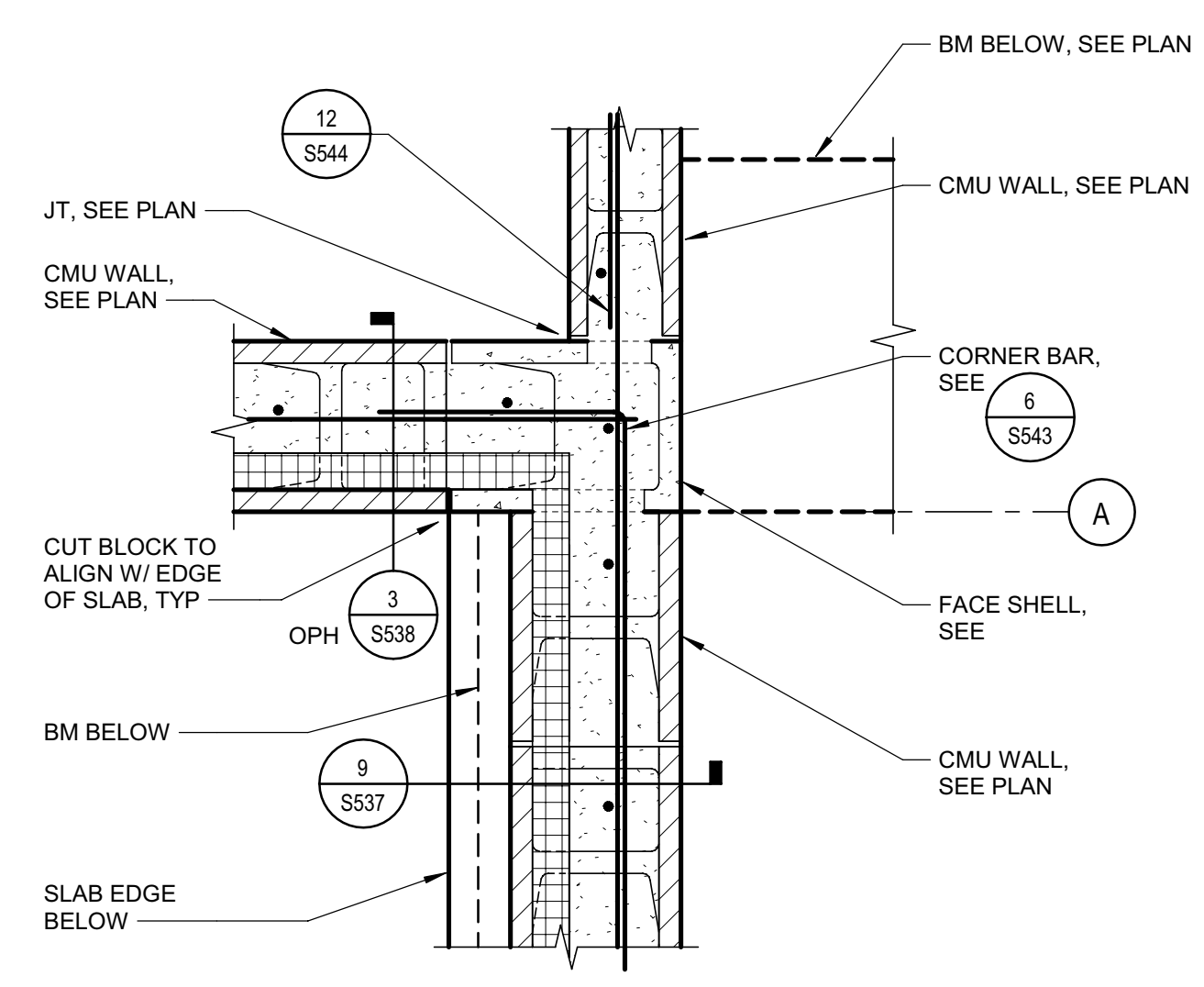
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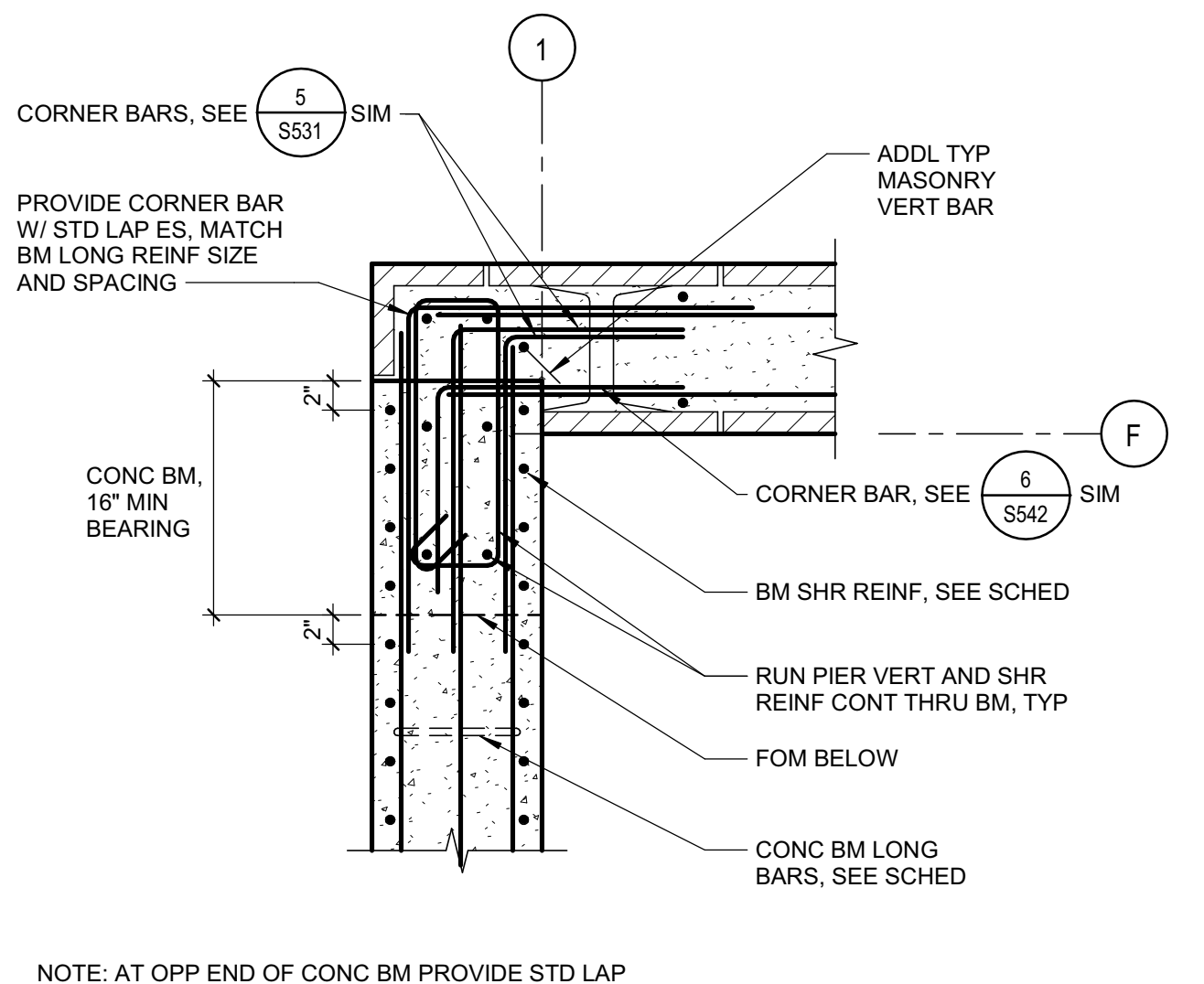
**14** DETAIL  
1" = 1'-0"



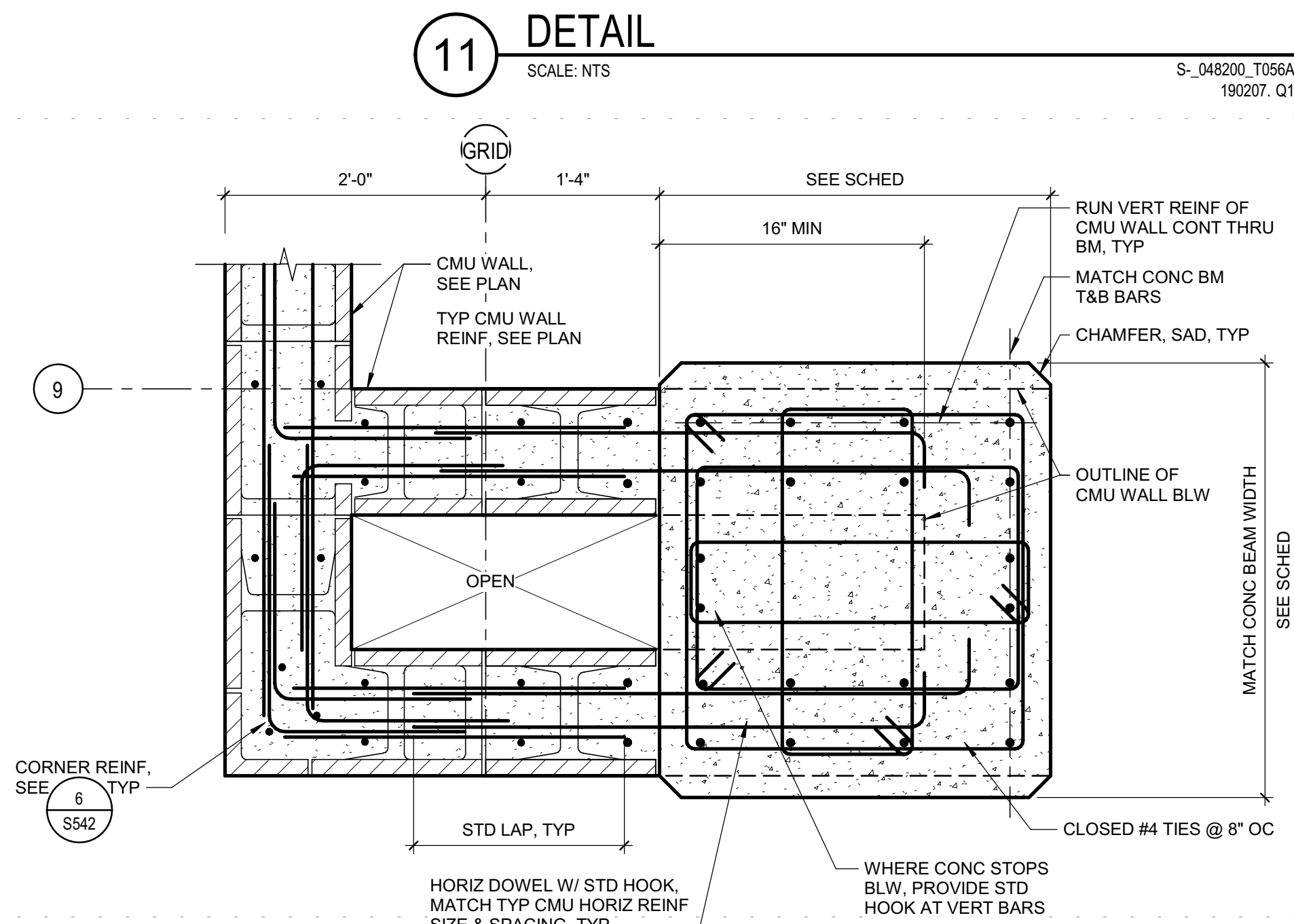
**18** DETAIL  
SCALE: NTS



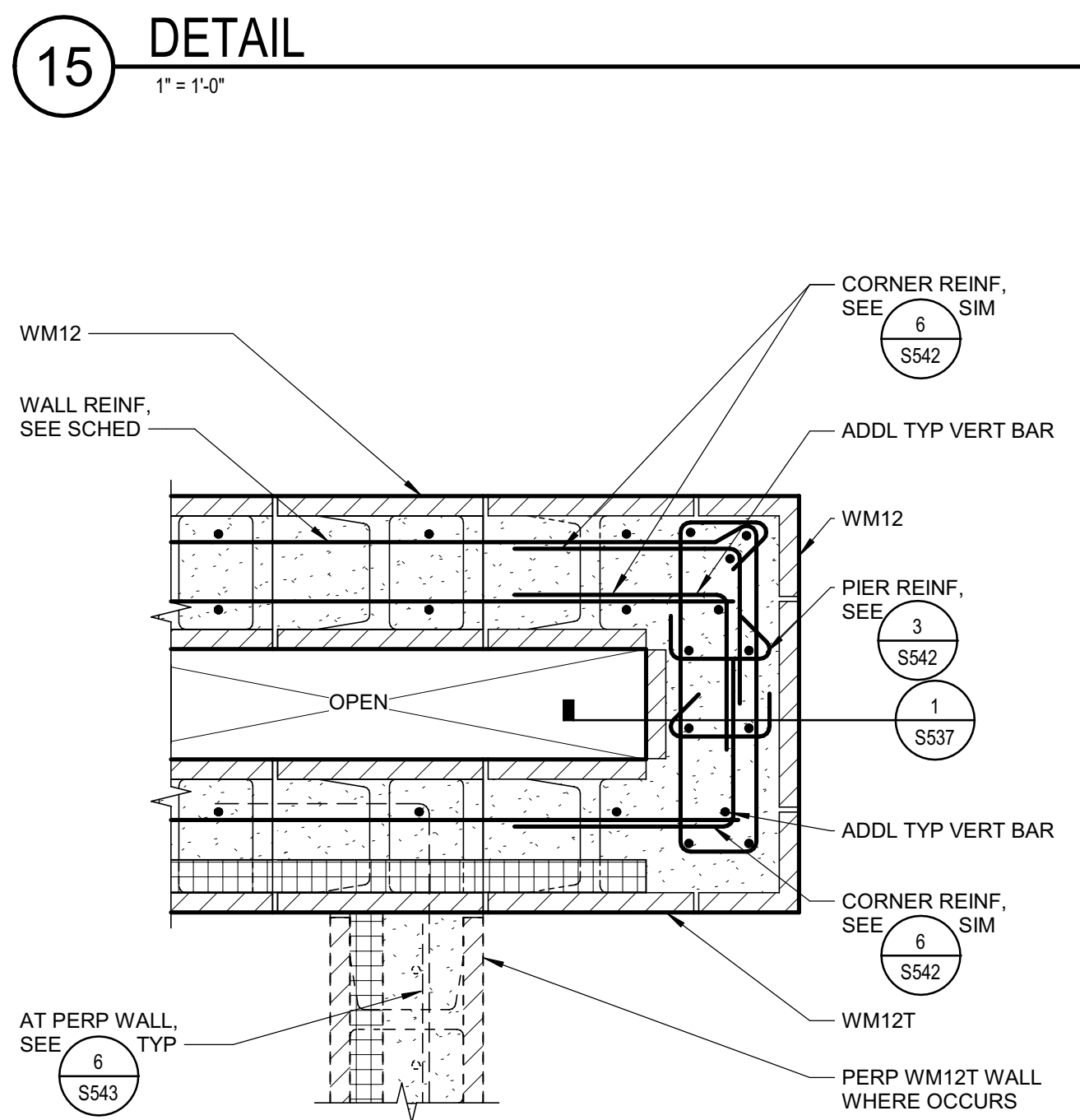
**15** DETAIL  
1" = 1'-0"



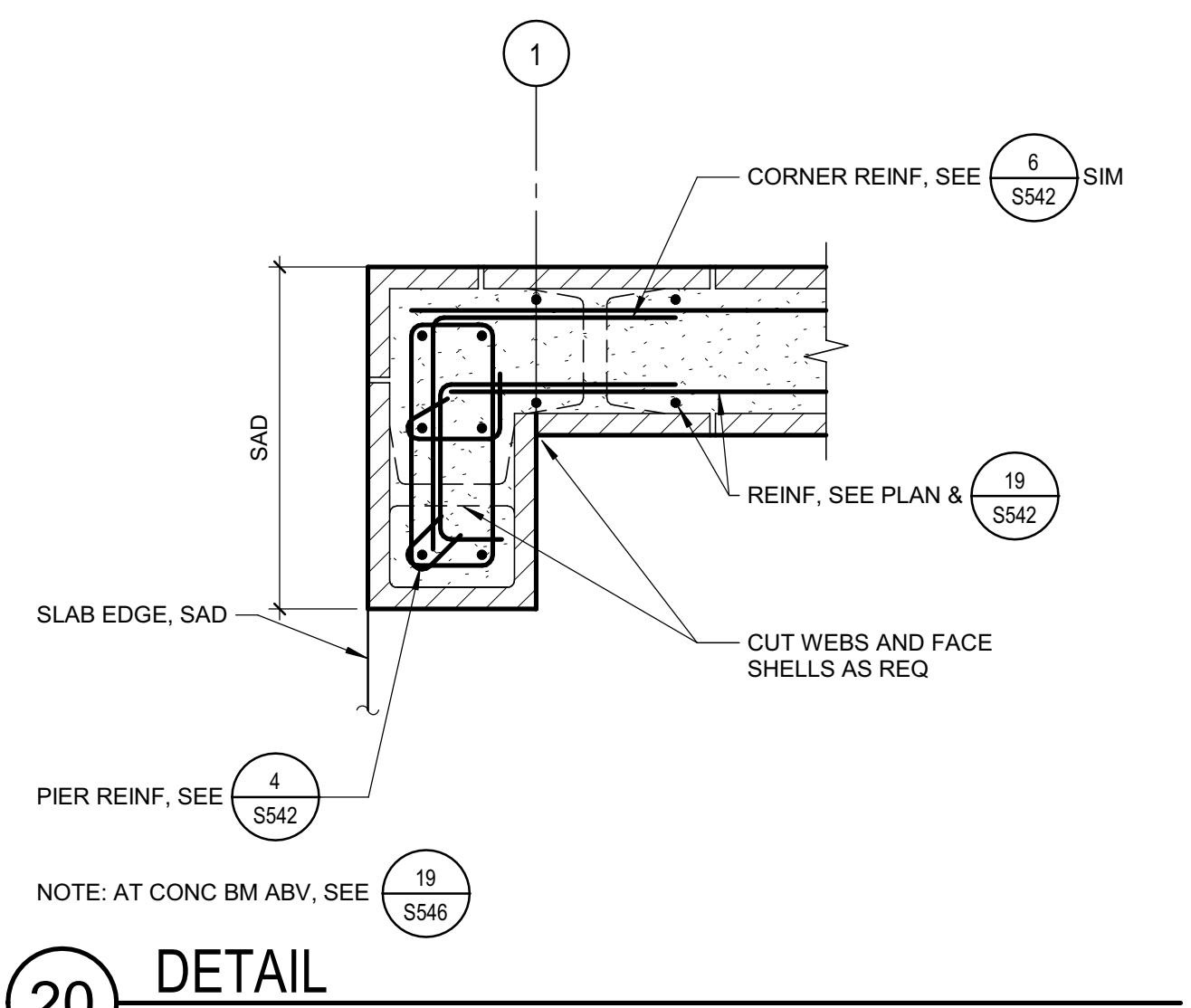
**19** DETAIL  
1" = 1'-0"



**11** DETAIL  
SCALE: NTS



**16** DETAIL  
1" = 1'-0"



**20** DETAIL  
1" = 1'-0"

**8** DETAIL  
SCALE: NTS



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PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
DETAILS - MASONRY

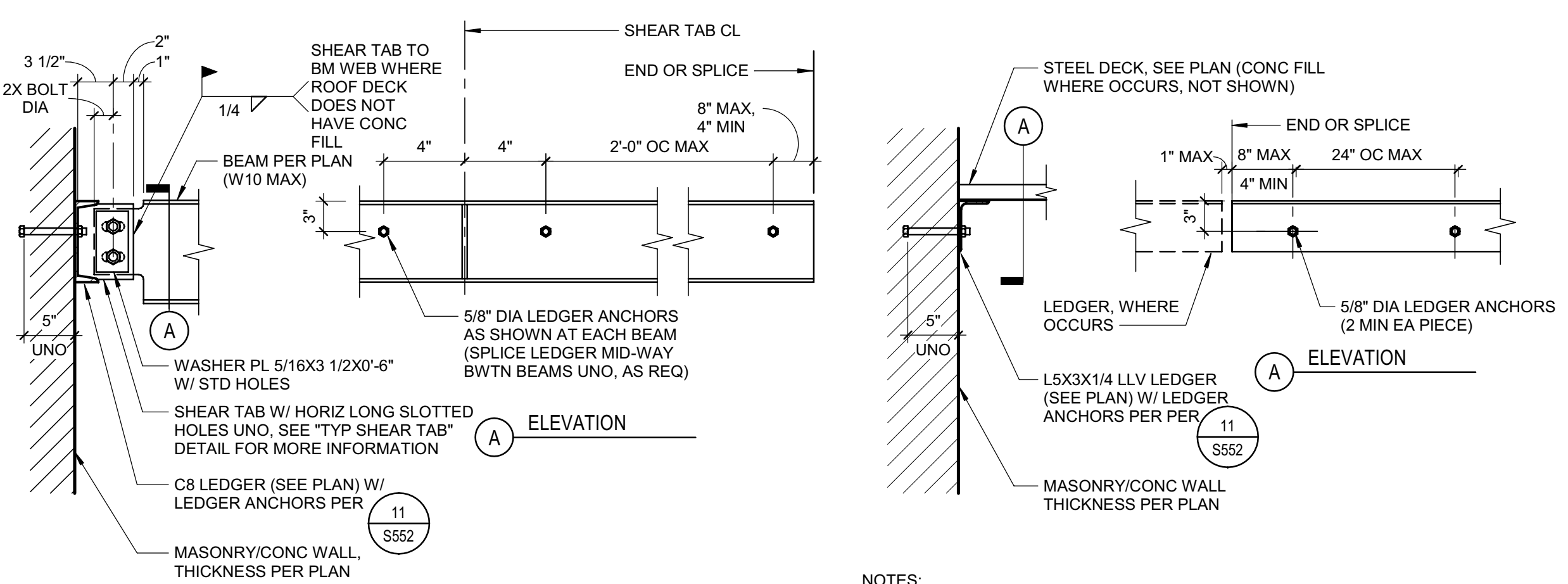
DRAWING STATUS  
WORKING DRAWINGS

REVISIONS		
Sym.	Description	Date

Drawn By: PAB  
Date Issued: 07.29.2022  
Scale: 1" = 1'-0"  
Project No.: 016205.01

SHEET No.  
**S546 V4**

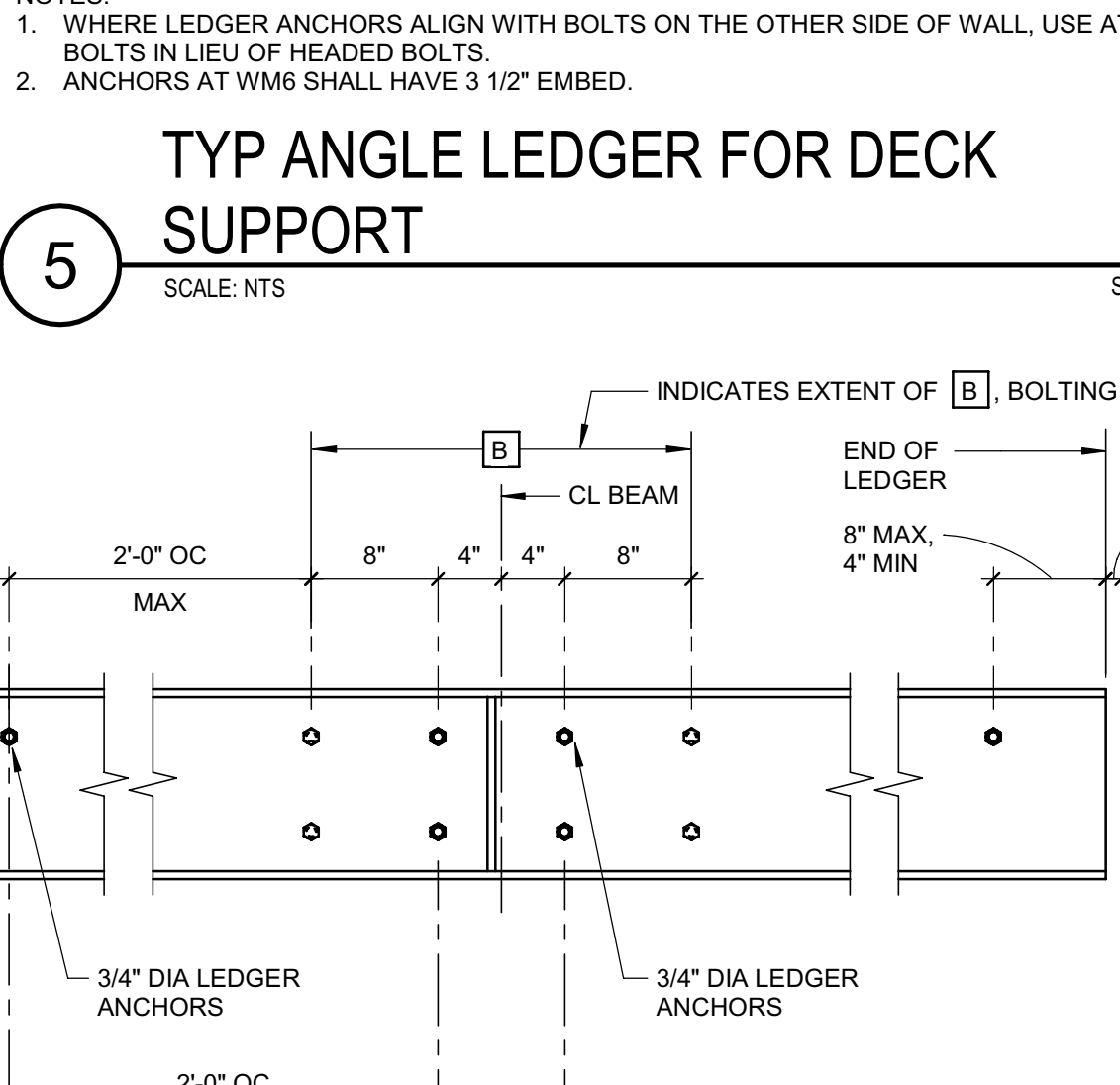




**NOTES:**

- WHERE LEDGER ANCHORS ALIGN WITH BOLTS ON THE OTHER SIDE OF WALL, USE ATR THRU BOLTS IN LIEU OF HEADED BOLTS.
- WELD SHEAR TAB TO BEAM WEB AFTER ROOFING IS INSTALLED.
- ANCHORS AT WM6 SHALL HAVE 3 1/2\"/>

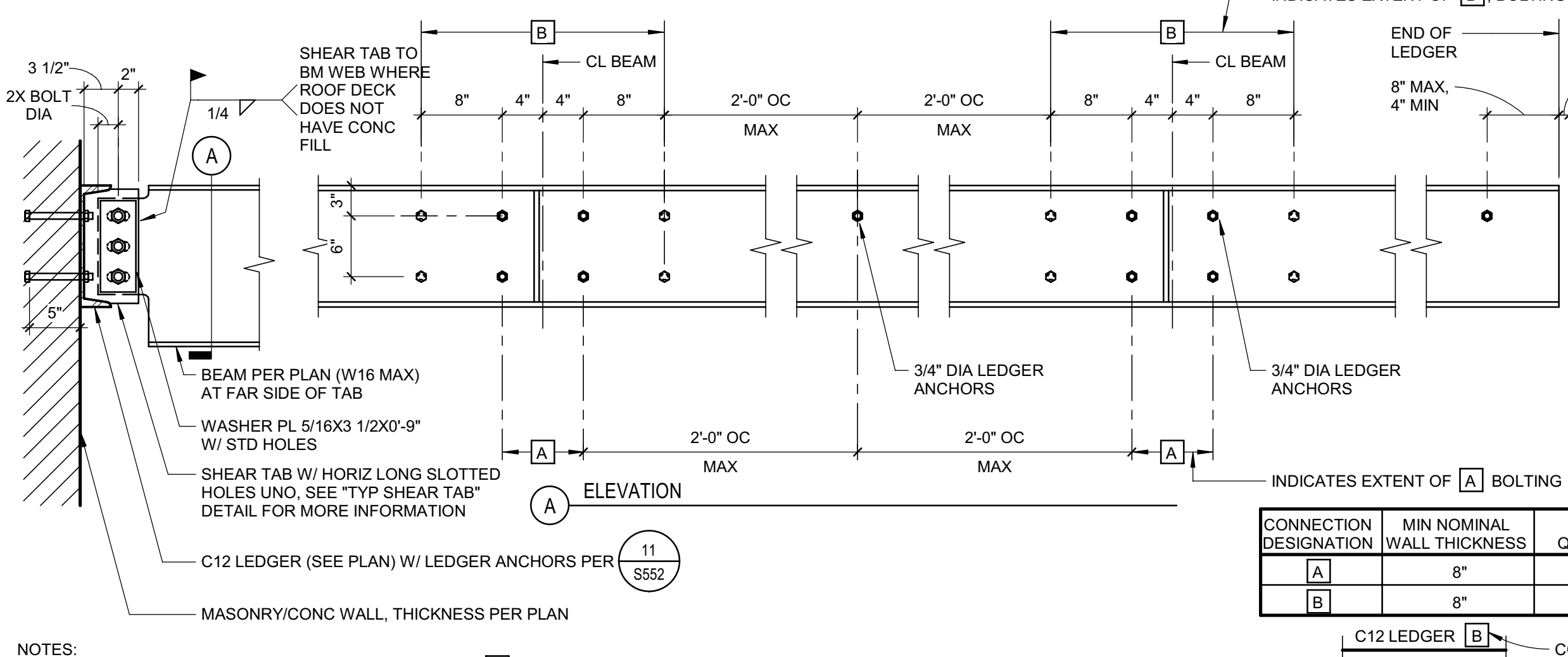
**1 TYP C8 LEDGER FOR BEAM SUPPORT**  
 SCALE: NTS  
 S-051200\_T024A 190320\_02



**NOTES:**

- WHERE LEDGER ANCHORS ALIGN WITH BOLTS ON THE OTHER SIDE OF WALL, USE ATR THRU BOLTS IN LIEU OF HEADED BOLTS.
- ANCHORS AT WM6 SHALL HAVE 3 1/2\"/>

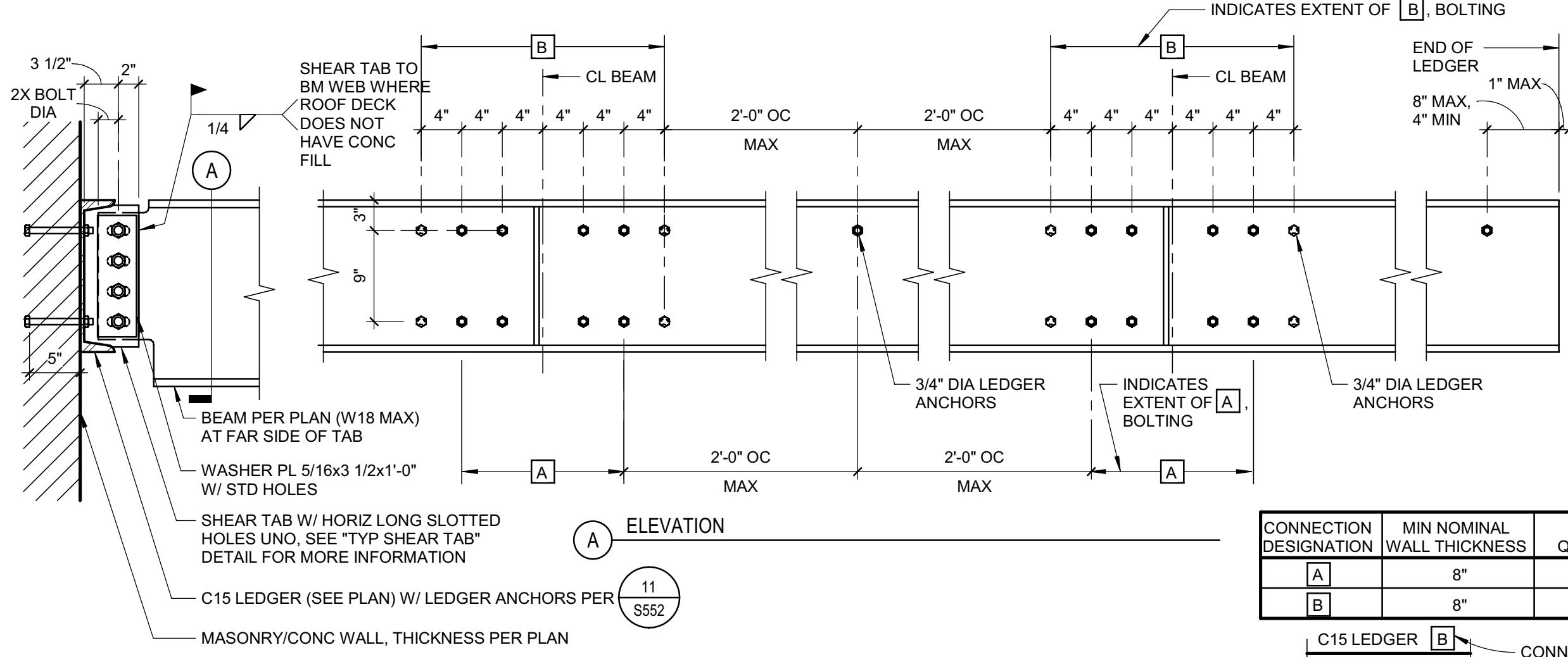
**5 TYP ANGLE LEDGER FOR DECK SUPPORT**  
 SCALE: NTS  
 S-051200\_T024A 190320\_02



**NOTES:**

- USE [A] LEDGER ANCHOR CONNECTION, CONNECTION [A], UNO ON PLANS.
- WHERE LEDGER ANCHORS ALIGN WITH BOLTS ON THE OTHER SIDE OF WALL, USE ATR THRU BOLTS IN LIEU OF HEADED BOLTS.
- WELD SHEAR TAB TO BEAM WEB AFTER ROOFING IS INSTALLED.

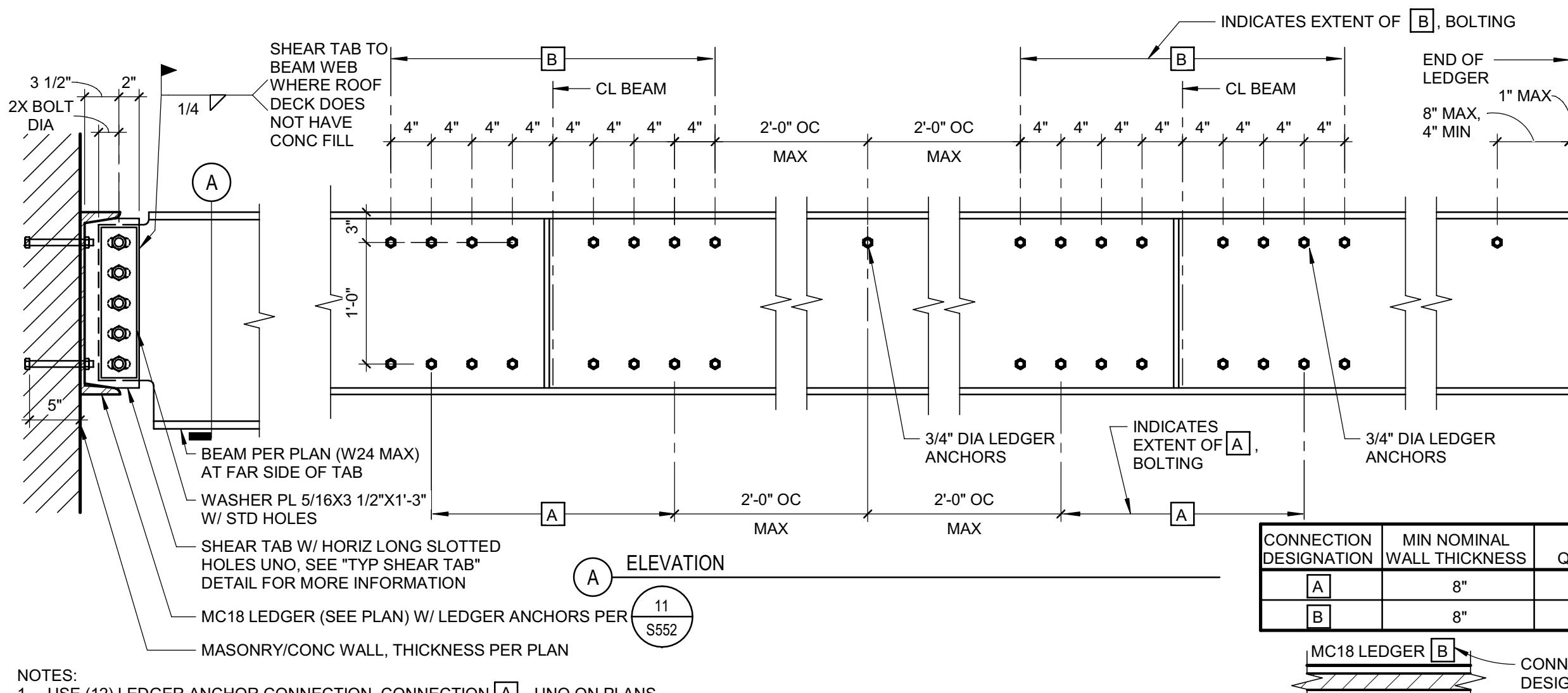
**2 TYP C12 LEDGER FOR BEAM SUPPORT**  
 SCALE: NTS  
 S-051200\_T016A 190320\_02



**NOTES:**

- USE [B] LEDGER ANCHOR CONNECTION, CONNECTION [A], UNO ON PLANS.
- WHERE LEDGER ANCHORS ALIGN WITH BOLTS ON THE OTHER SIDE OF WALL, USE ATR THRU BOLTS IN LIEU OF HEADED BOLTS.
- WELD SHEAR TAB TO BEAM WEB AFTER ROOFING IS INSTALLED.

**3 TYP C15 LEDGER FOR BEAM SUPPORT**  
 SCALE: NTS  
 S-051200\_T018A 190320\_02

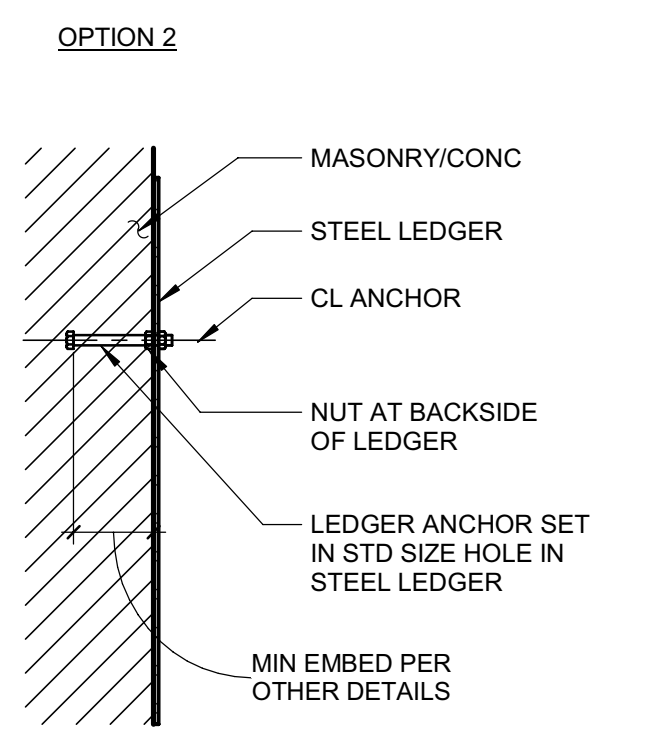
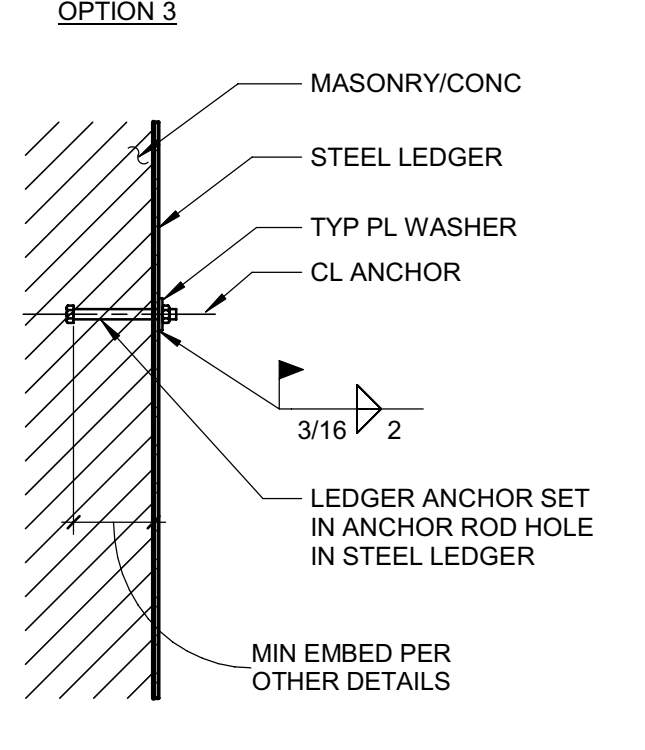
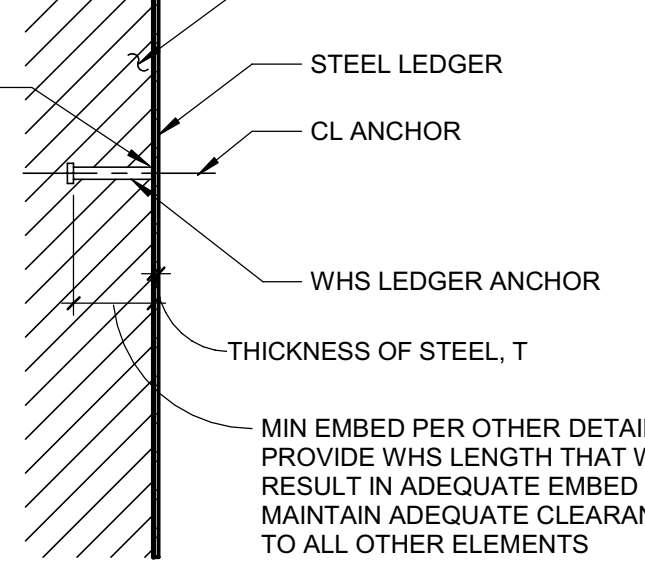


**NOTES:**

- USE [12] LEDGER ANCHOR CONNECTION, CONNECTION [A], UNO ON PLANS.
- WHERE LEDGER ANCHORS ALIGN WITH BOLTS ON THE OTHER SIDE OF WALL, USE ATR THRU BOLTS IN LIEU OF HEADED BOLTS.
- WELD SHEAR TAB TO BEAM WEB AFTER ROOFING IS INSTALLED.

**4 TYP MC18 LEDGER FOR BEAM SUPPORT**  
 SCALE: NTS  
 S-051200\_T018R 190320\_02

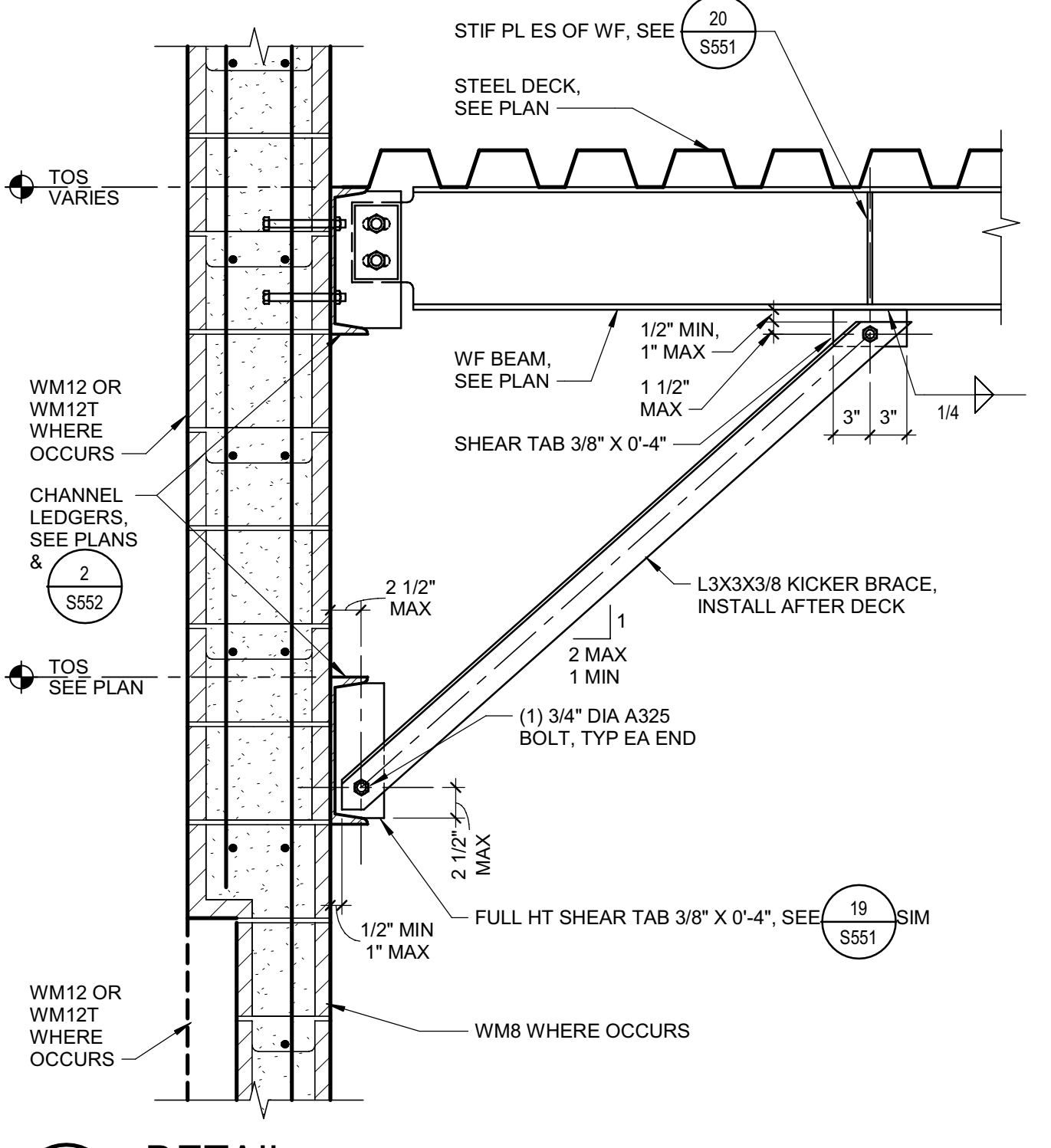
**NOTE:** THIS OPTION IS ONLY PERMITTED WHERE T IS AT LEAST (LEDGER ANCHOR DIA).3



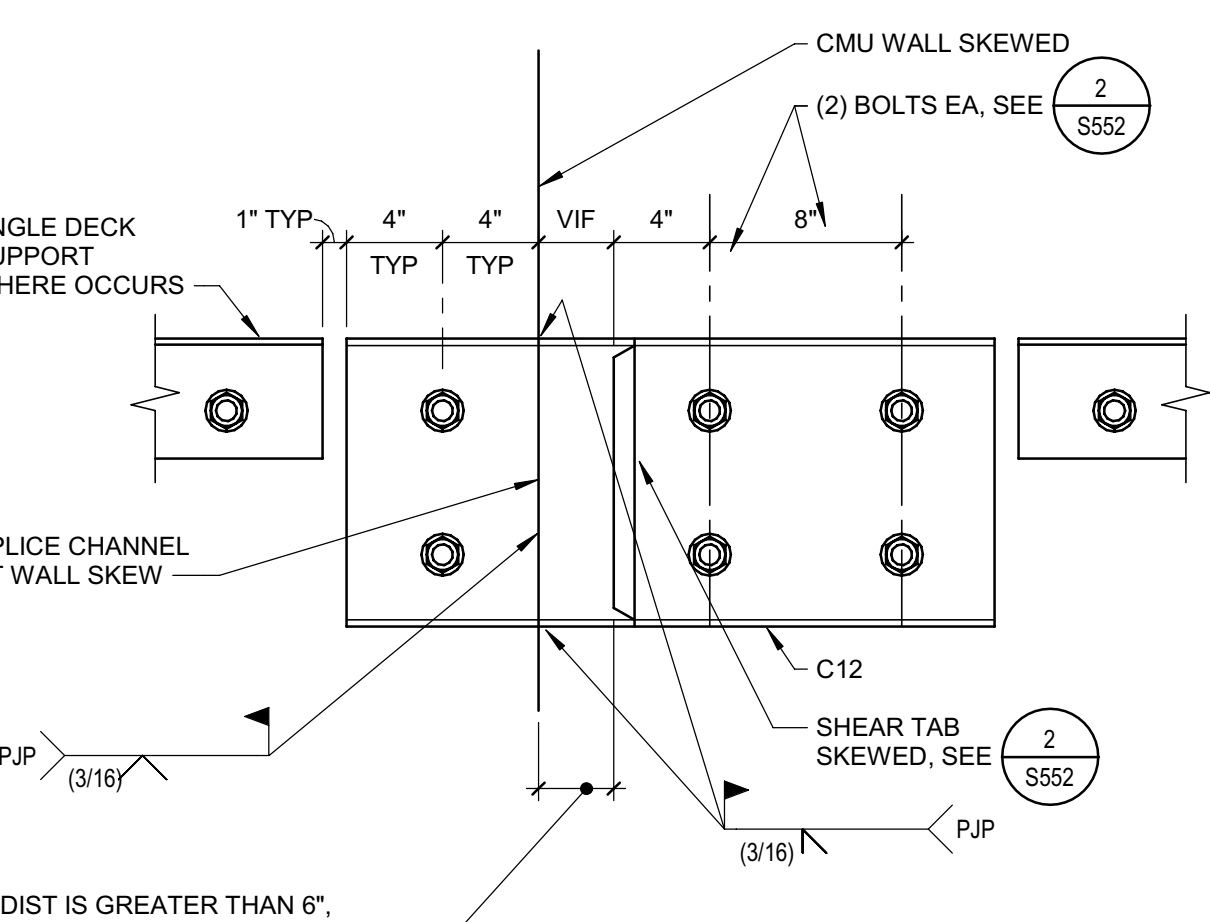
**NOTES:**

- ANY OPTION IS ACCEPTABLE FOR USE BASED ON DESIRED CONSTRUCTION METHOD.

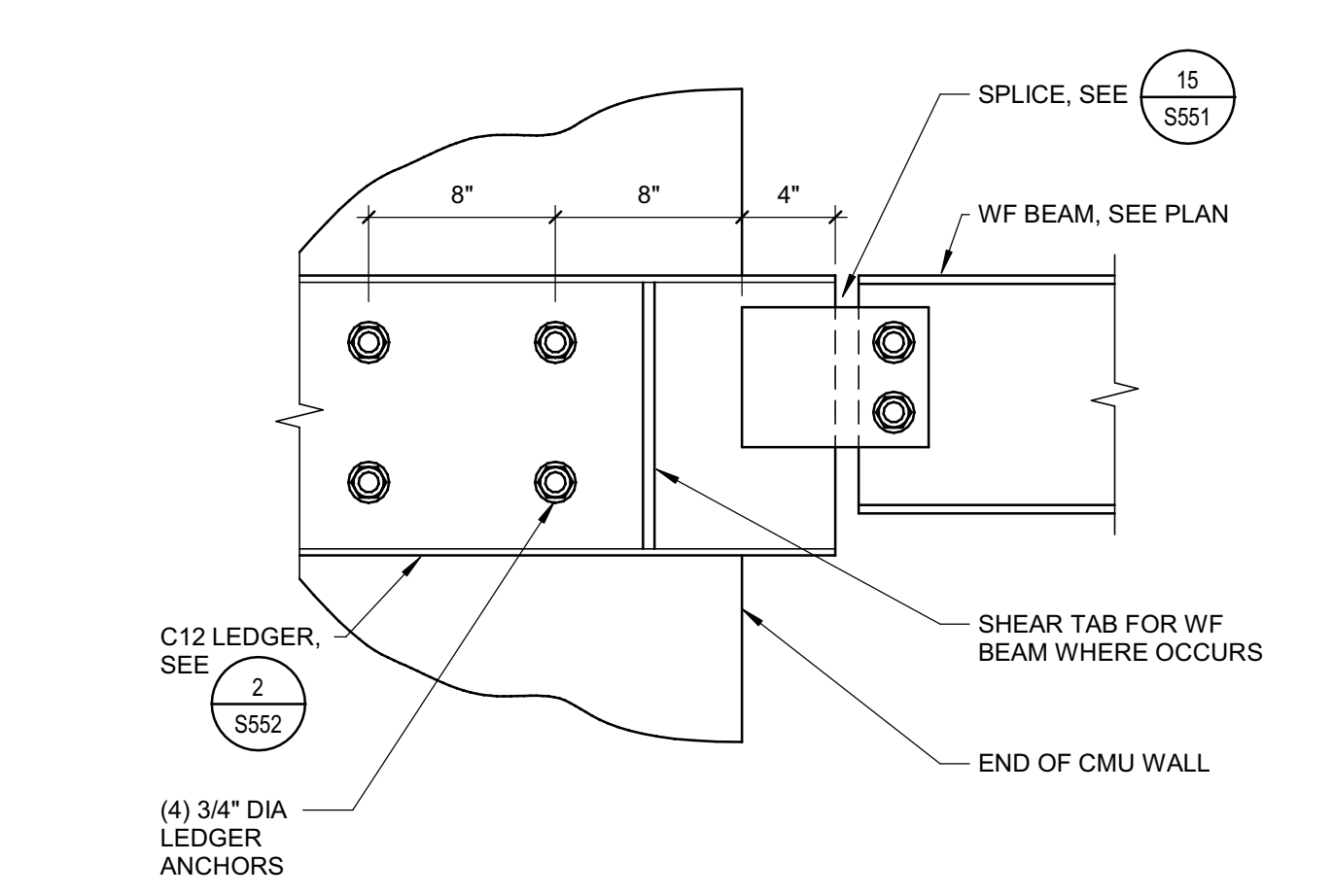
**11 TYP LEDGER ANCHOR**  
 SCALE: NTS  
 S-051200\_T025A 190320\_05



**14 DETAIL**  
 1\"/>



**12 DETAIL**  
 1 1/2\"/>



**16 DETAIL**  
 1 1/2\"/>



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PROJECT NAME  
**HUMBOLDT COUNTY  
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 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**DETAILS - TYPICAL  
 STRUCTURAL STEEL  
 LEDGERS AT  
 MASONRY**

DRAWING STATUS

WORKING DRAWINGS

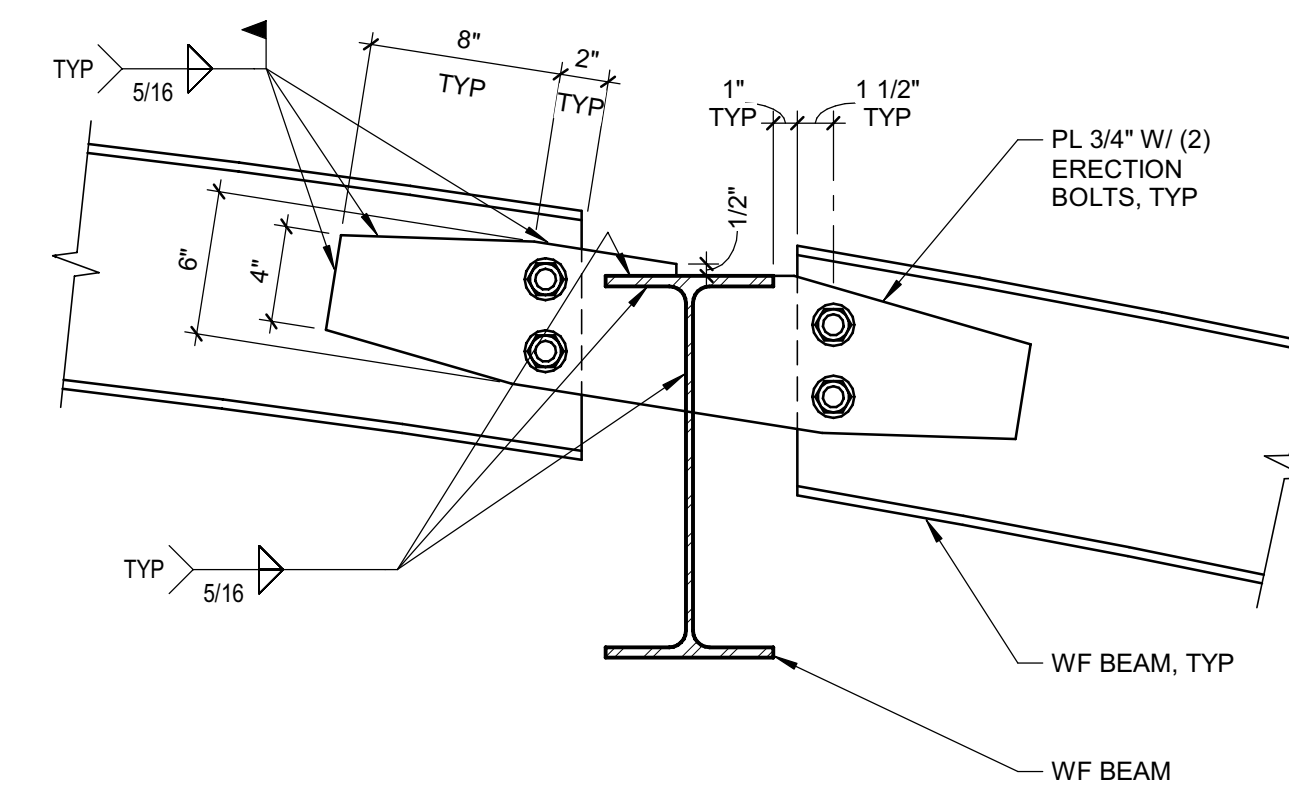
REVISIONS

Symt.	Description	Date

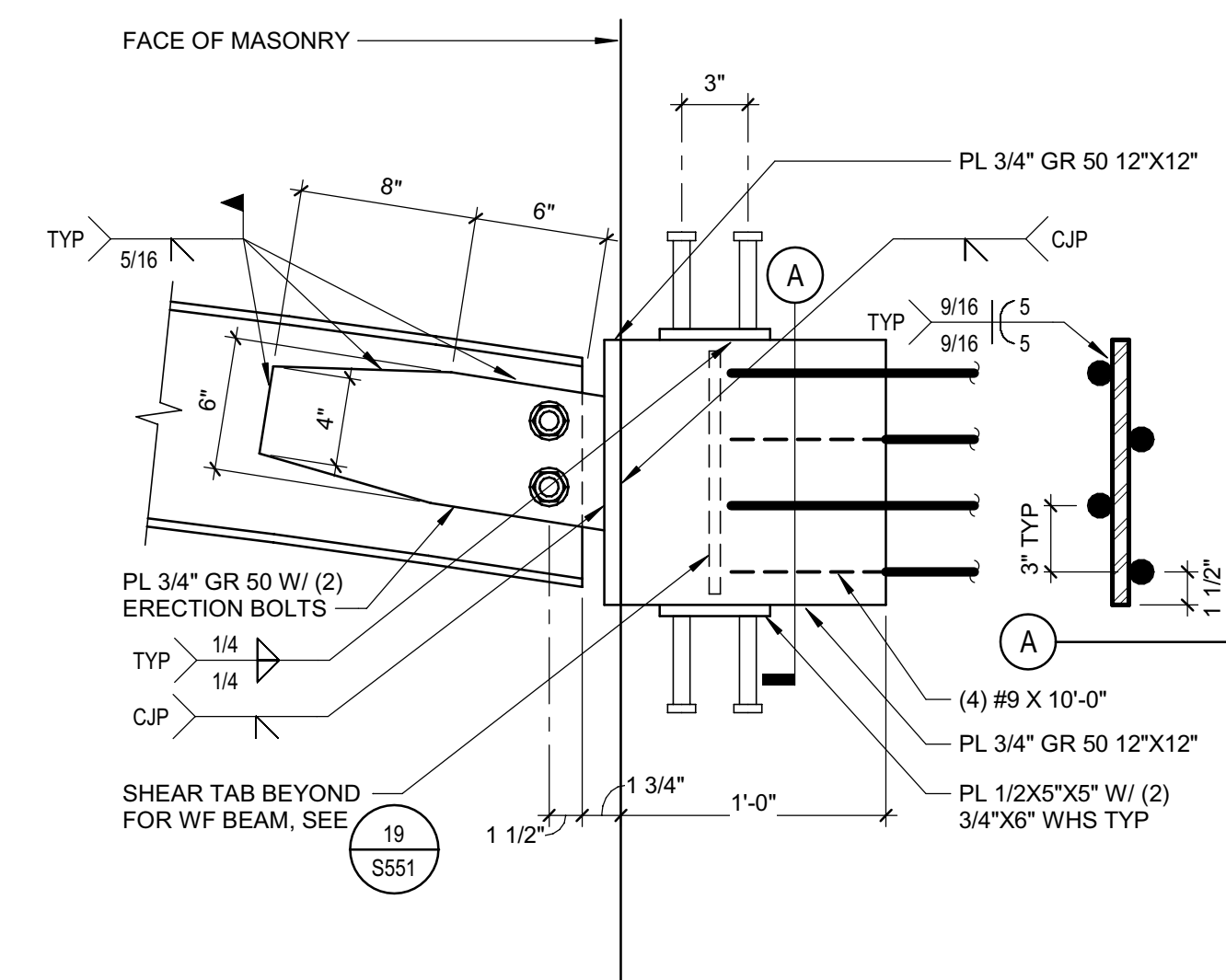
Drawn By	Author
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

SHEET No.  
**S552 V4**

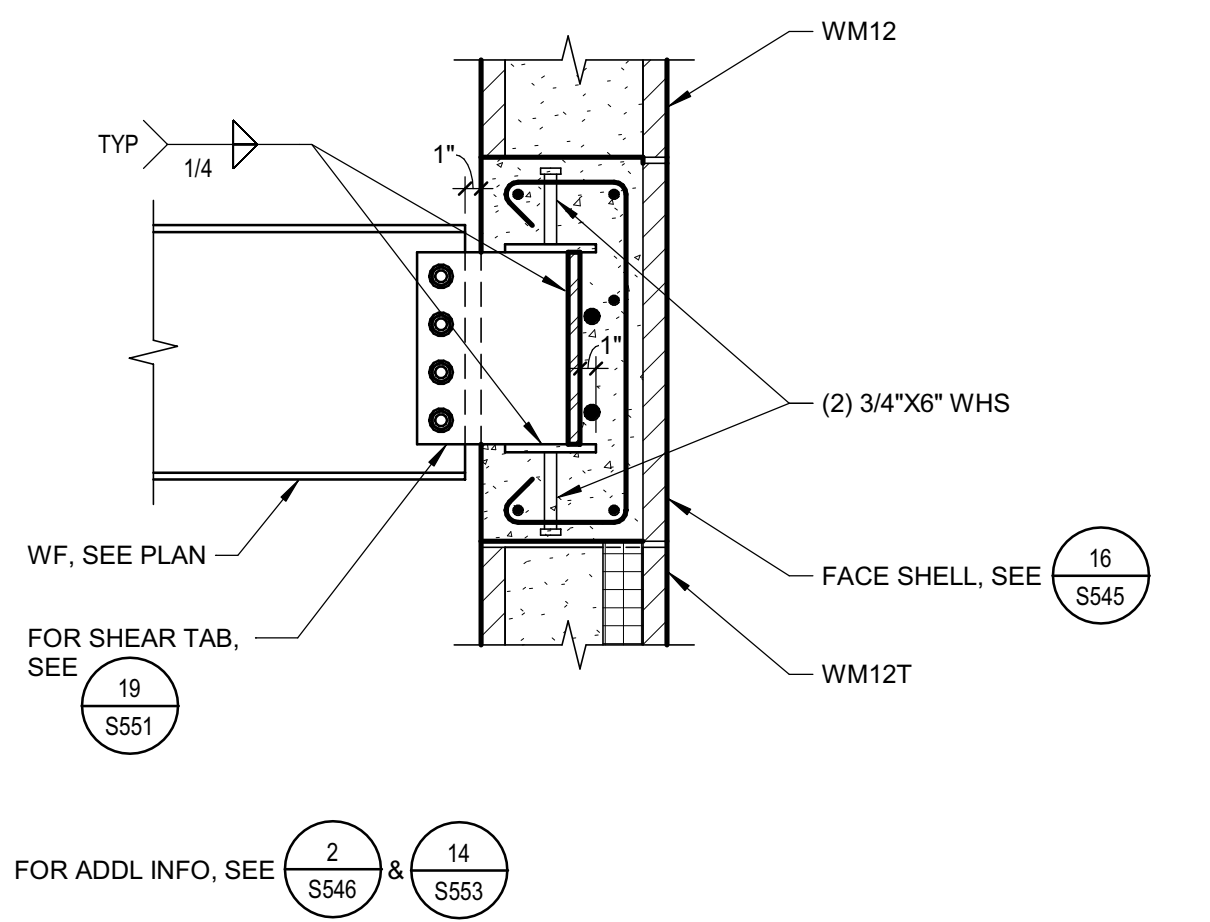
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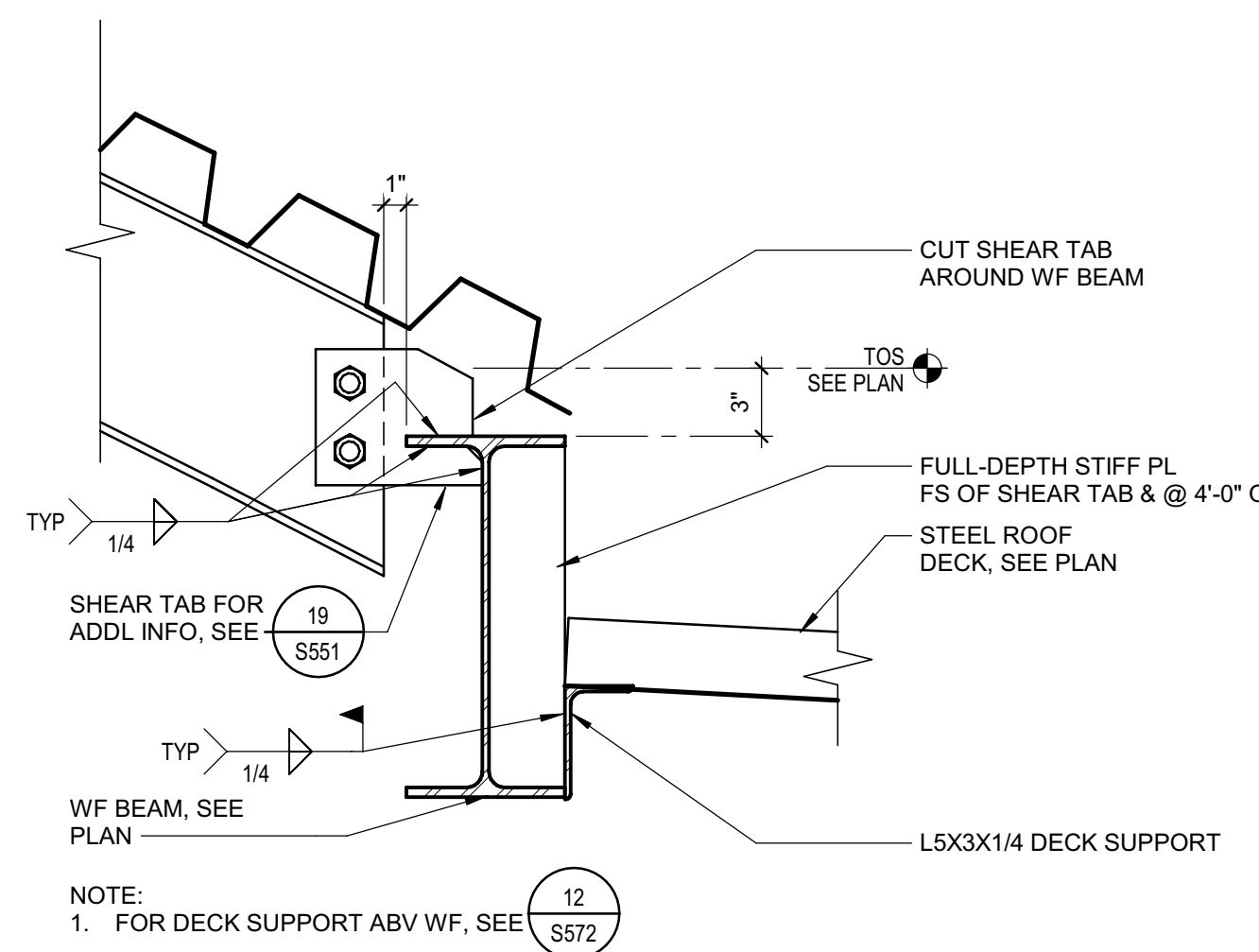
**13 DETAIL**  
1 1/2" = 1'-0" 01



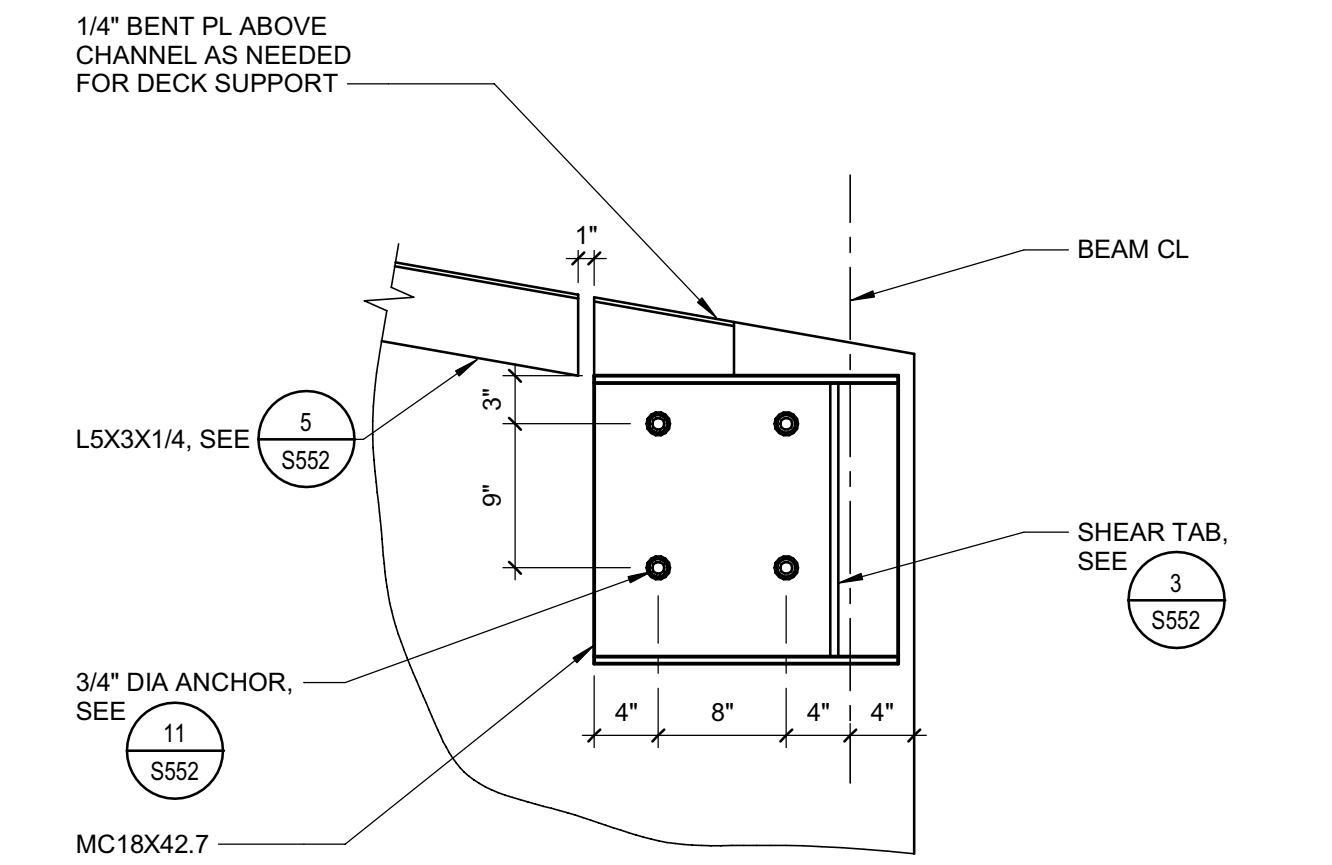
**14 DETAIL**  
1 1/2" = 1'-0" 01



**17 DETAIL**  
1" = 1'-0" 01



**15 DETAIL**  
1 1/2" = 1'-0" 01



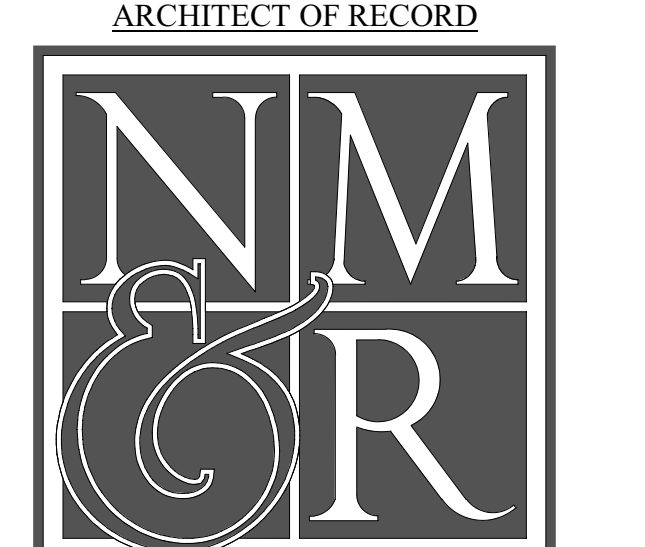
**16 DETAIL**  
1" = 1'-0" 01



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PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**DETAILS -  
STRUCTURAL STEEL**

DRAWING STATUS

**WORKING DRAWINGS**

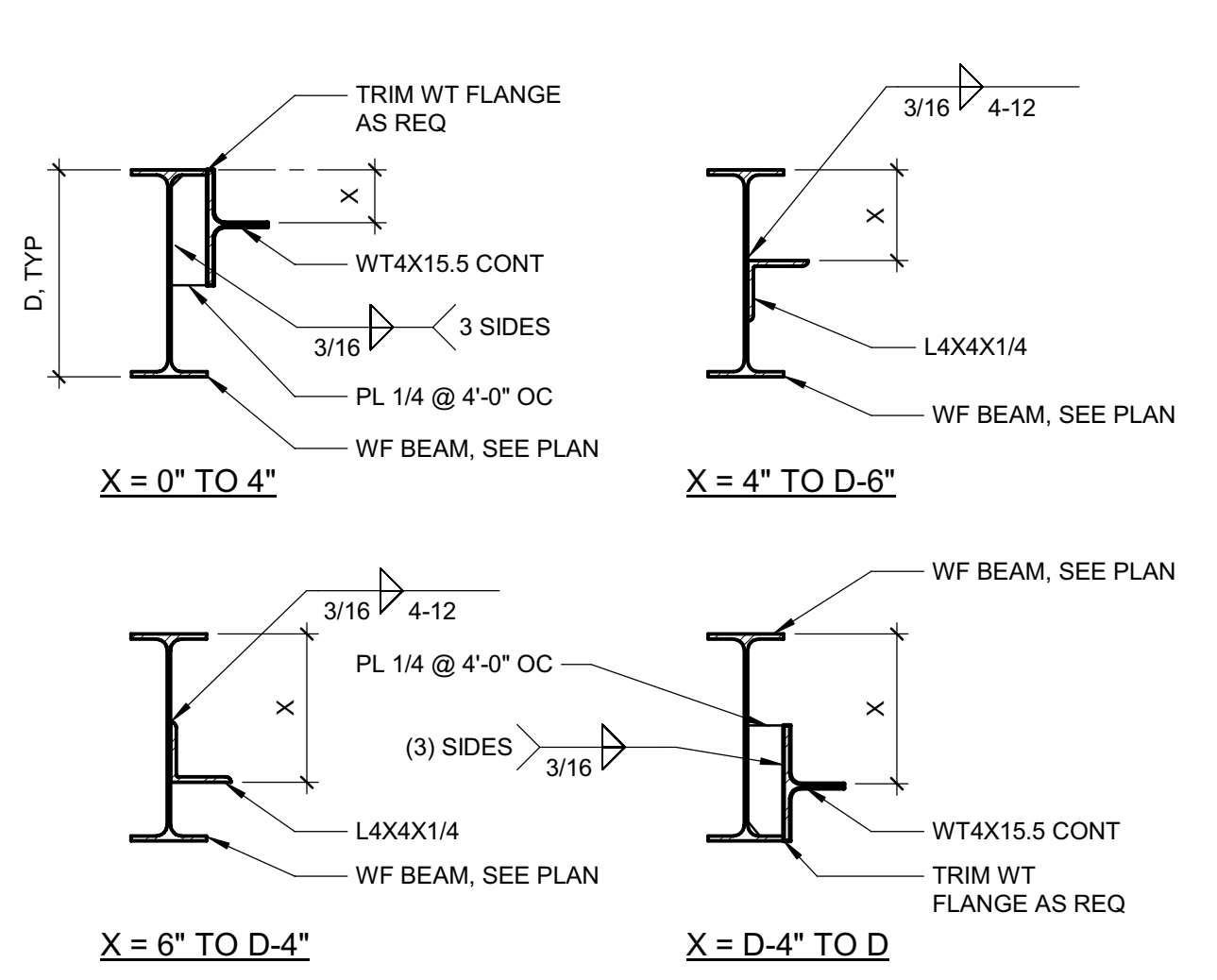
REVISIONS

Sym.	Description	Date

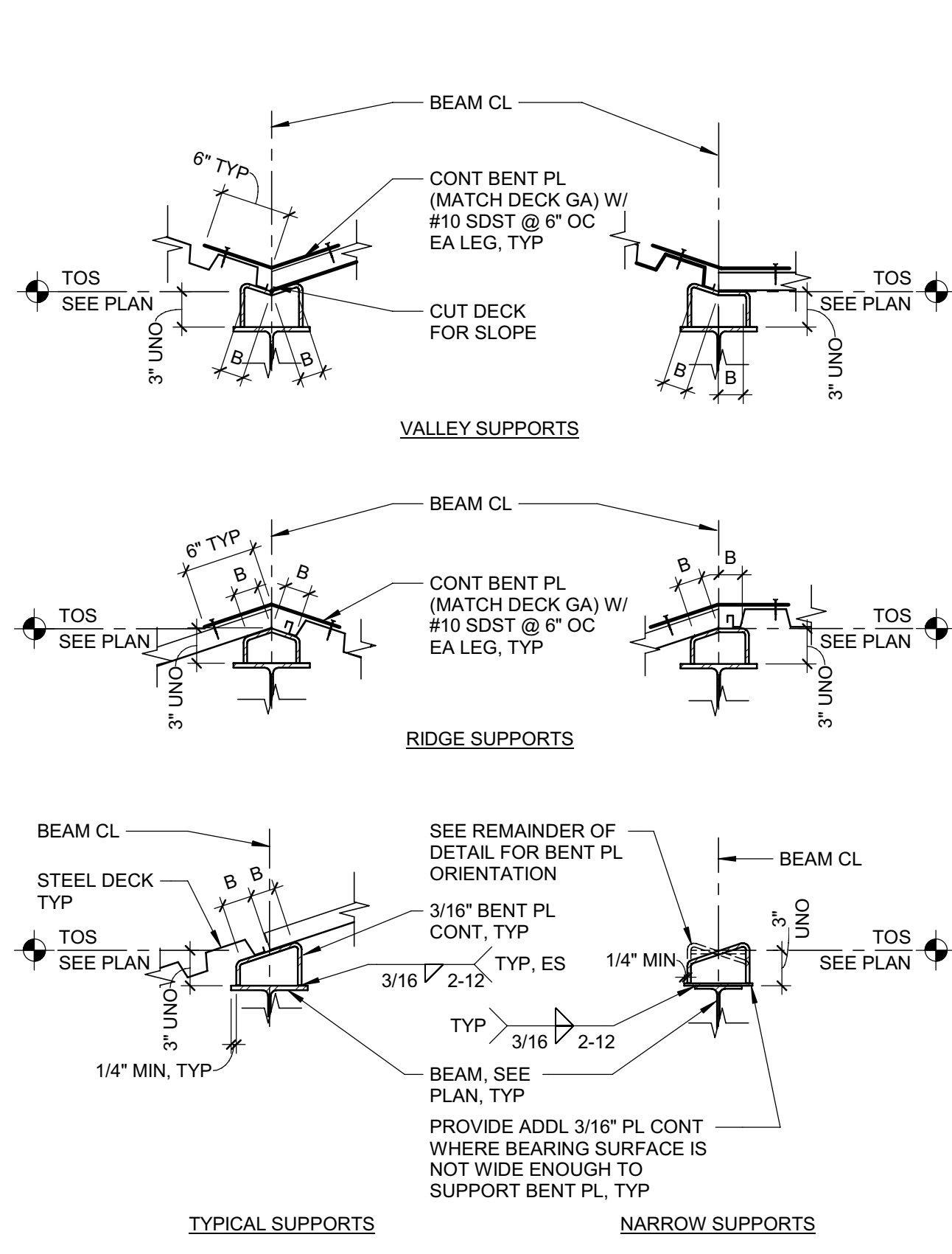
Drawn By	Author
Date Issued	07.29.2022
Scale	As indicated
Project No.	016205.01

SHEET No.  
**S553 V4**

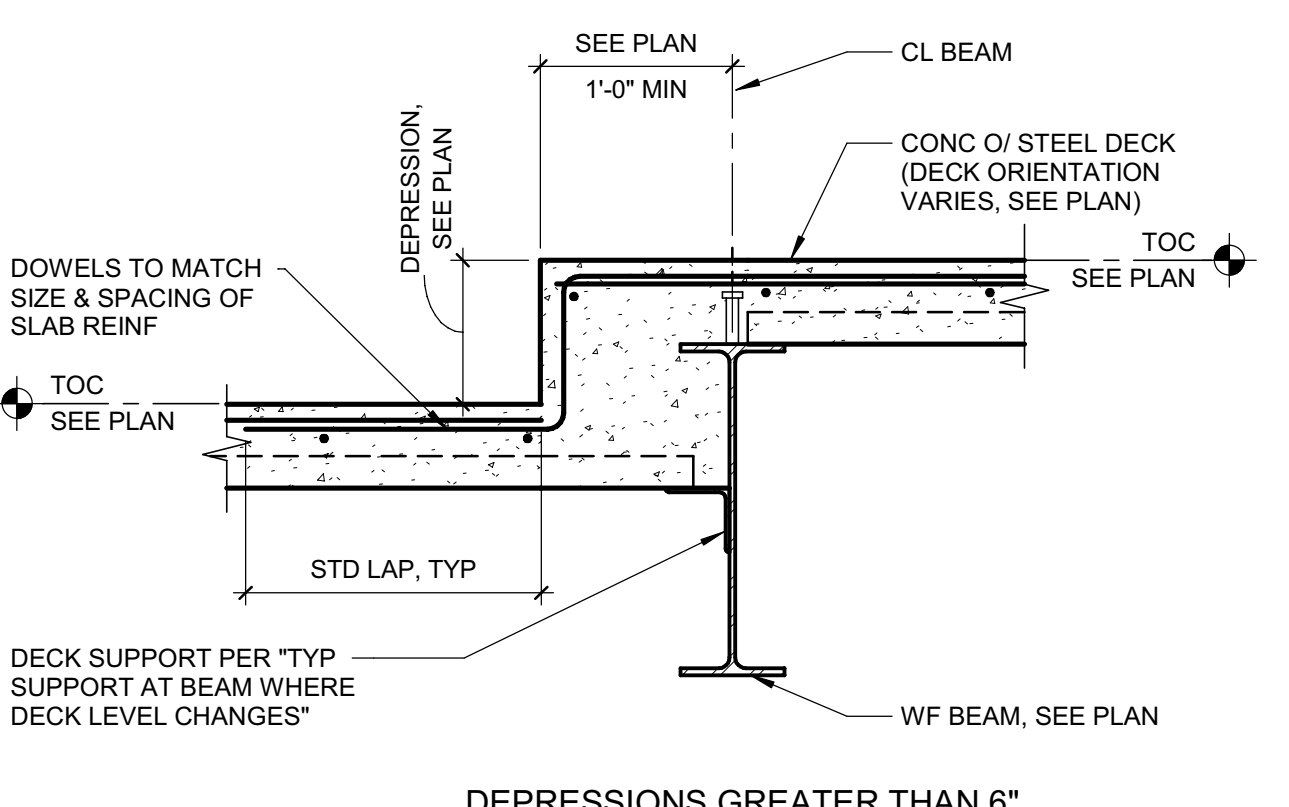




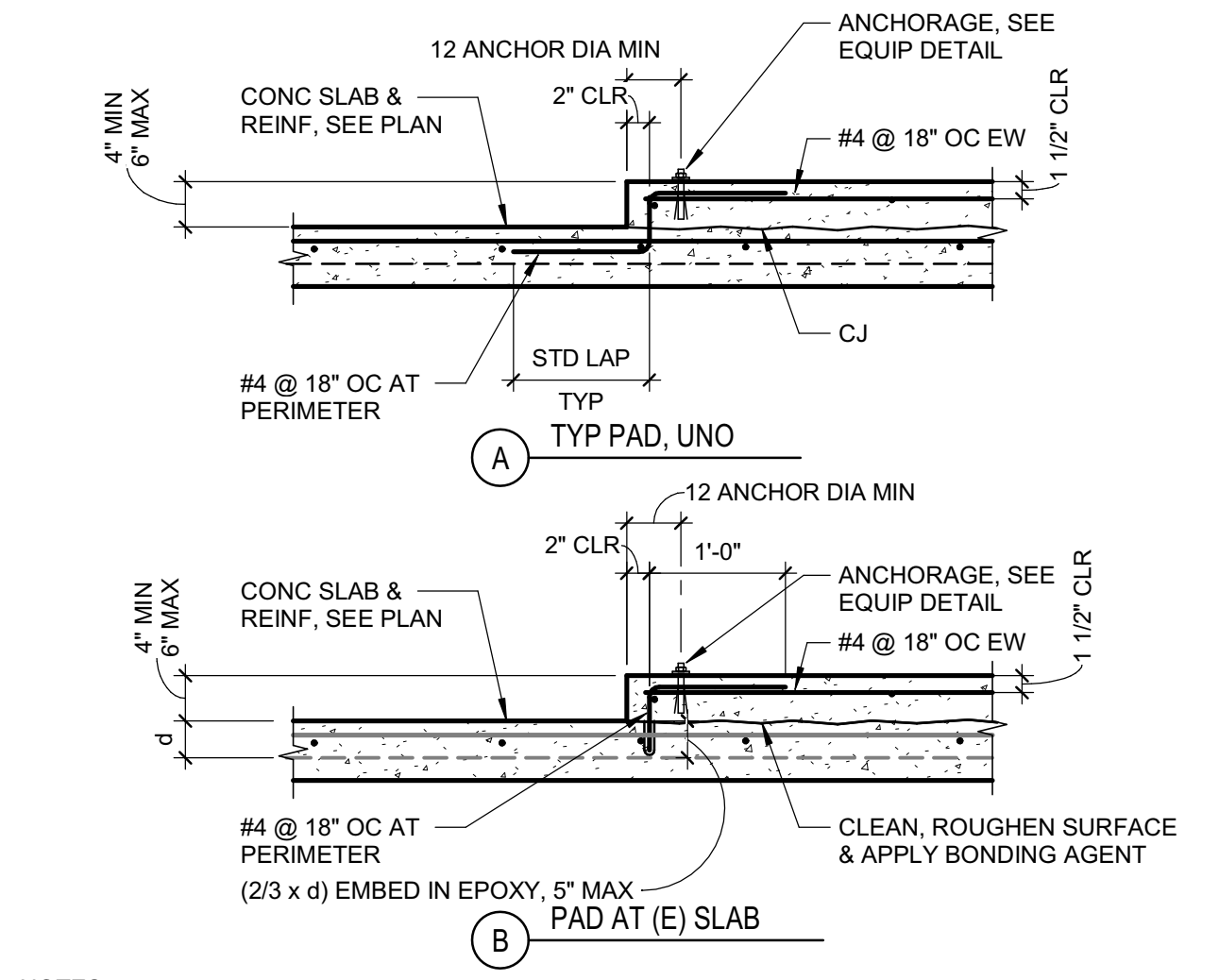
**14** TYP DECK SUPPORT AT BEAM WHERE DECK LEVEL CHANGES  
 SCALE: NTS S\_.053100\_T024A 140127\_02



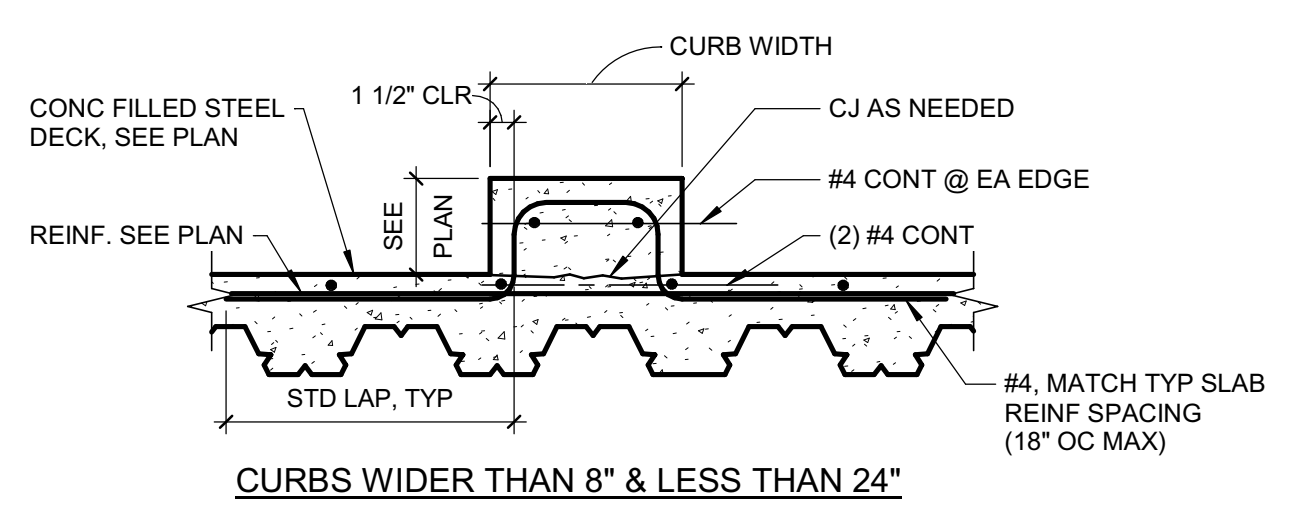
**12** TYP STEEL DECK SUPPORT, SLOPES OVER 3/4:12  
 SCALE: NTS S\_.053100\_T022A 140127\_02



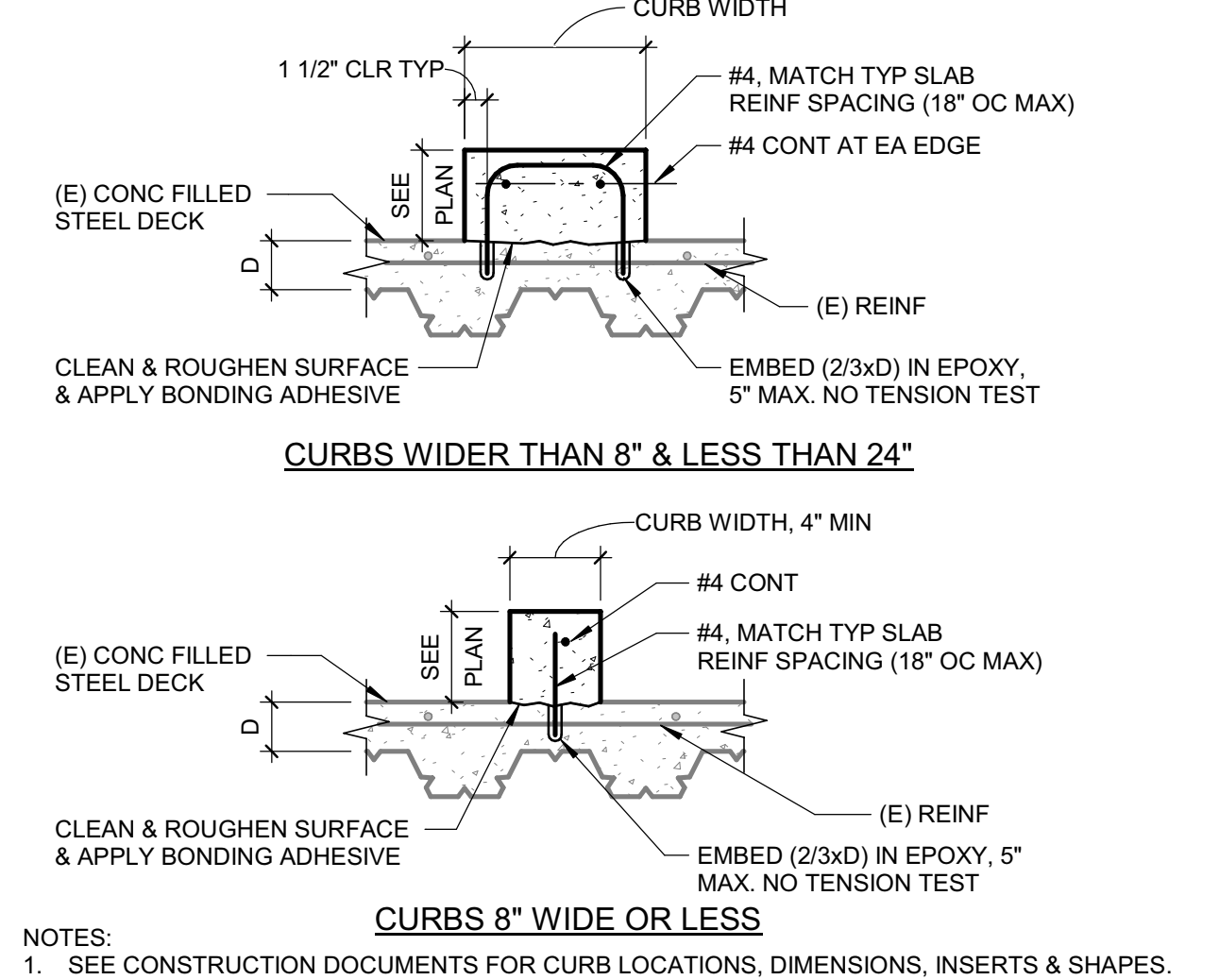
**16** TYP DEPRESSION AT CONC FILLED STEEL DECK  
 SCALE: NTS S\_.053100\_T026A 170518\_02



**18** TYP HOUSEKEEPING PAD AT CONC STEEL DECK  
 SCALE: 3/4" = 1'-0" S\_.053100\_T044A 170124\_02



**19** TYP CURB AT CONCRETE FILLED STEEL DECK  
 SCALE: 1" = 1'-0" S\_.053100\_T006A 140127\_02



**20** TYP CURB AT (E) CONCRETE FILLED STEEL DECK  
 SCALE: 1" = 1'-0" S\_.053100\_T006A 140127\_02



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**DETAILS - TYPICAL STEEL DECKING**

DRAWING STATUS  
**WORKING DRAWINGS**

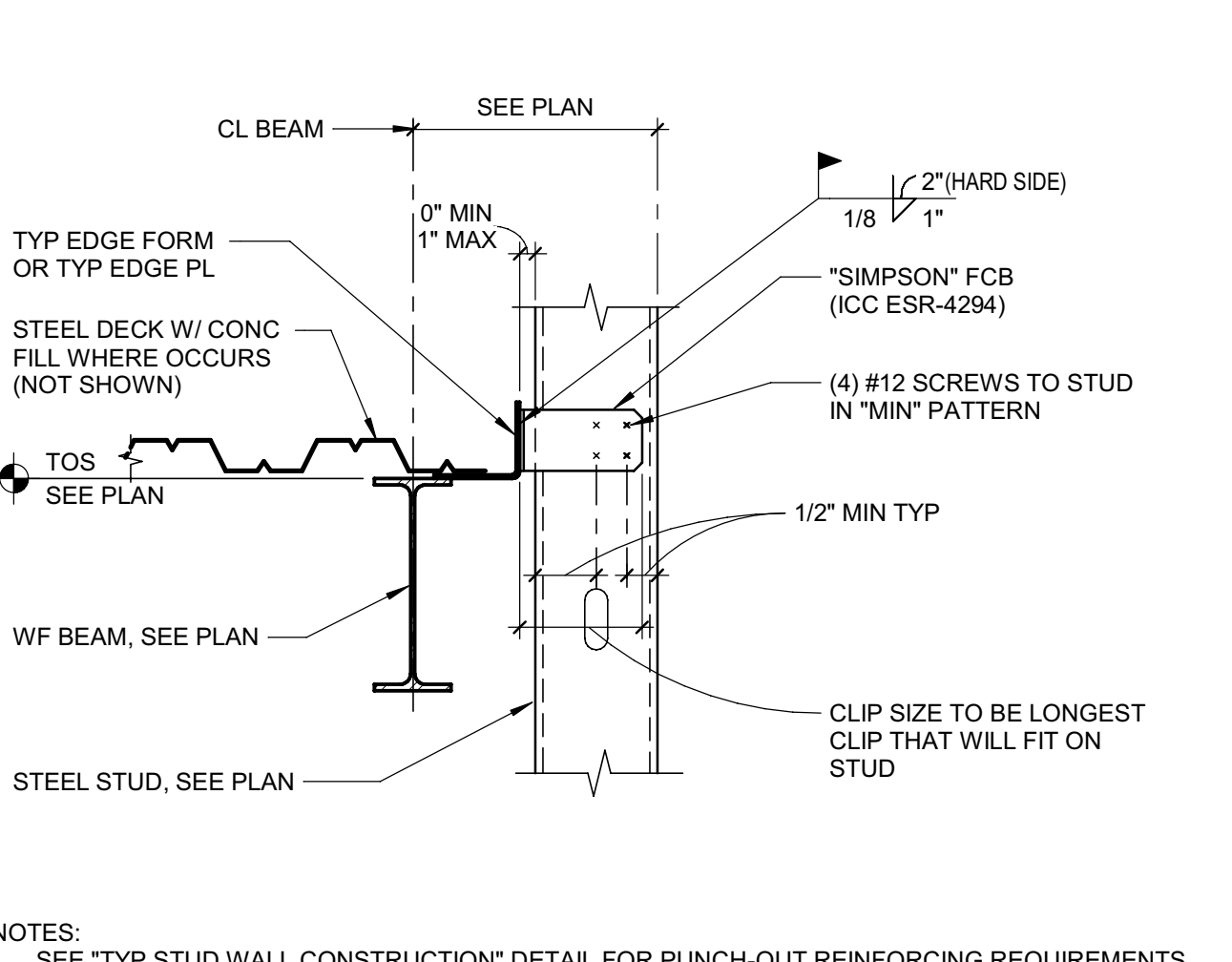
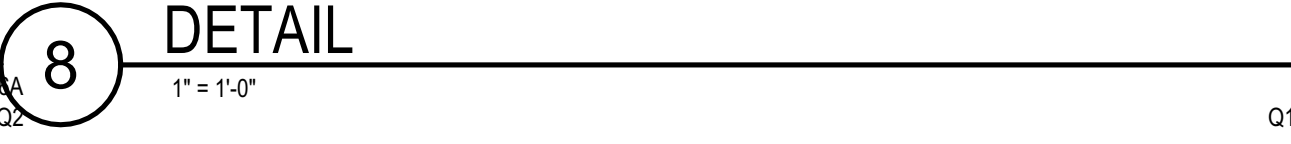
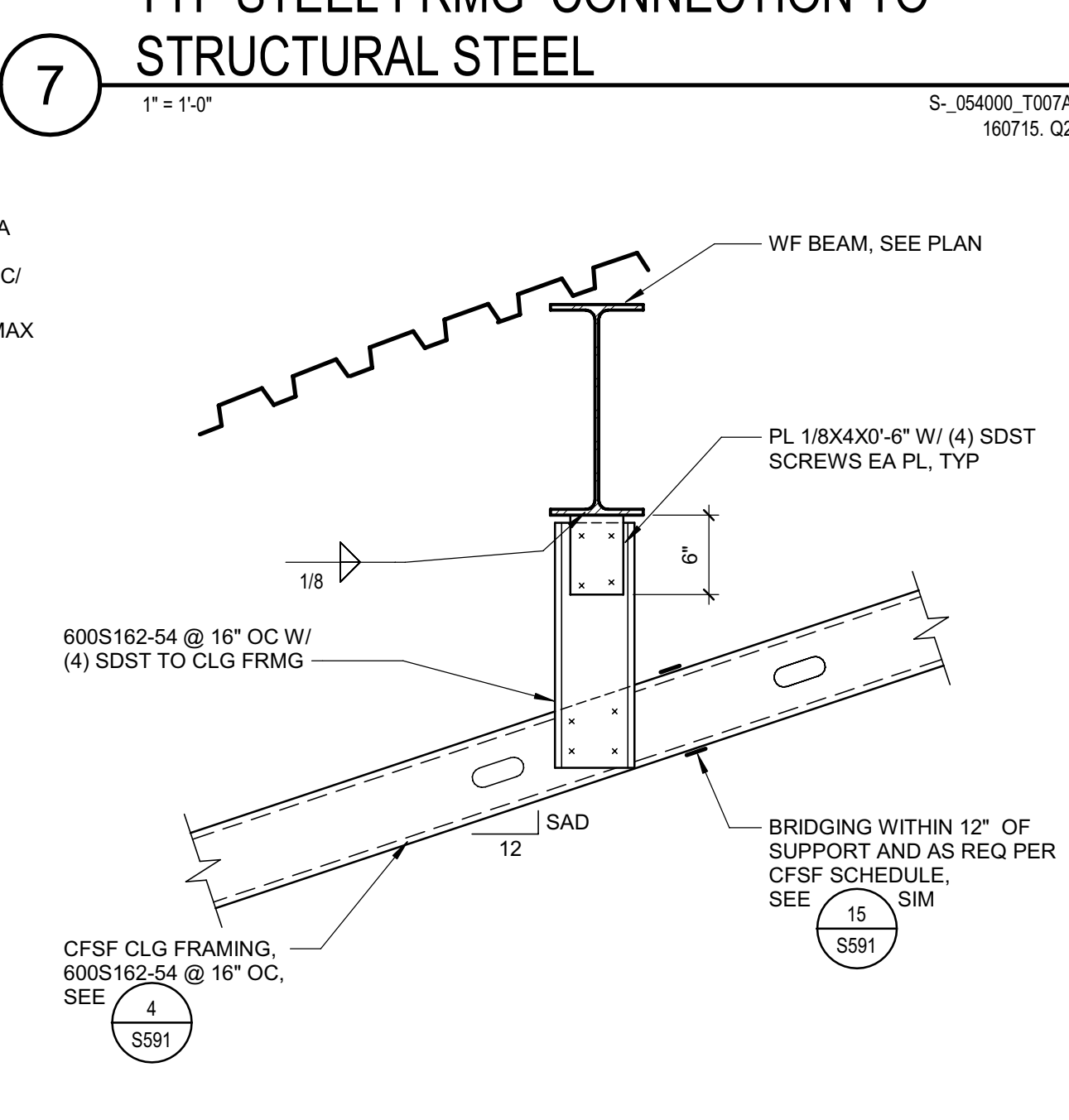
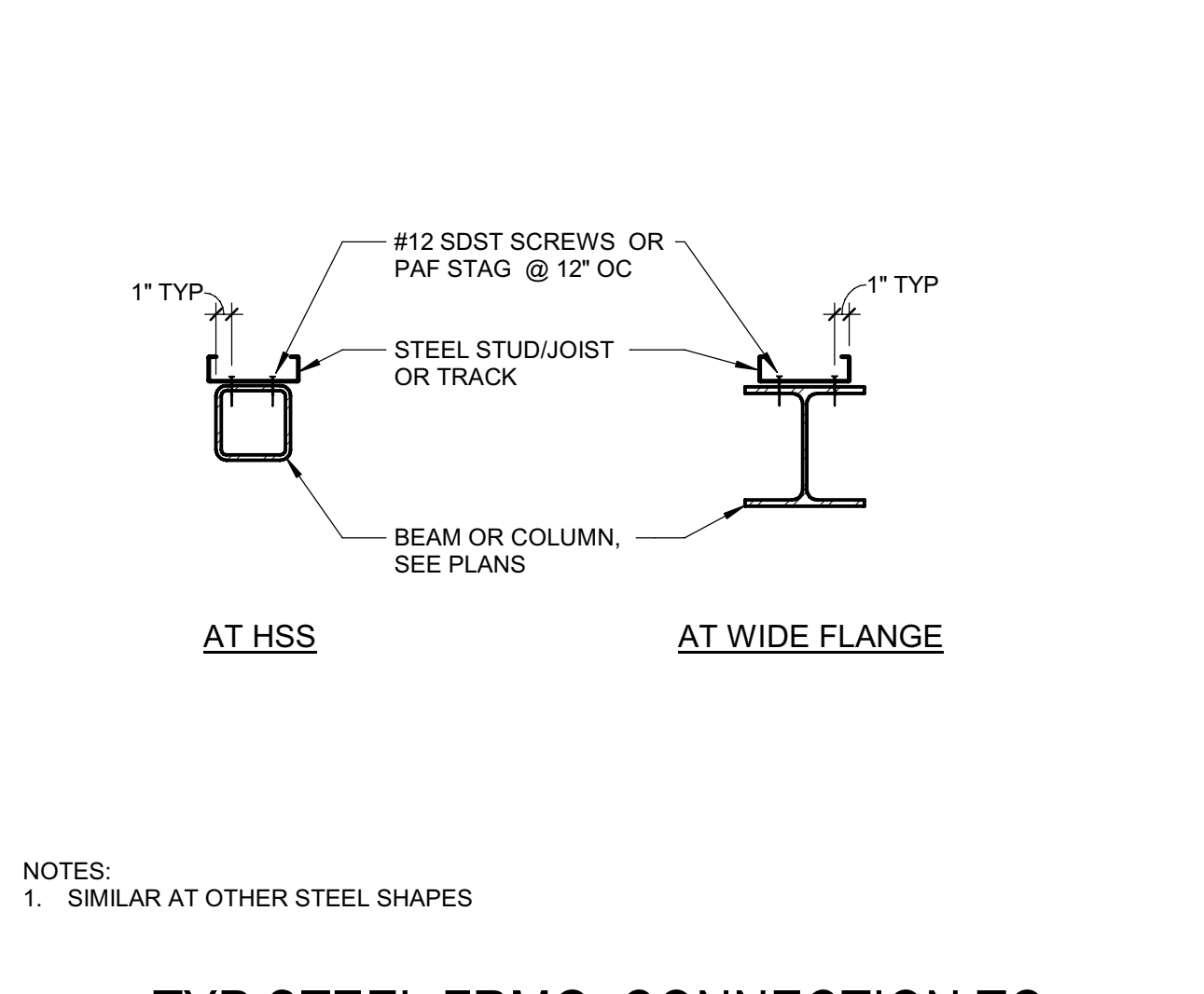
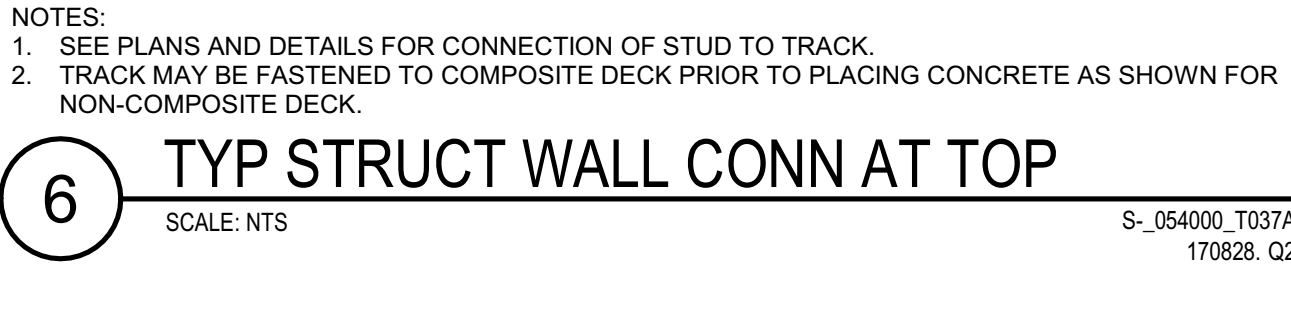
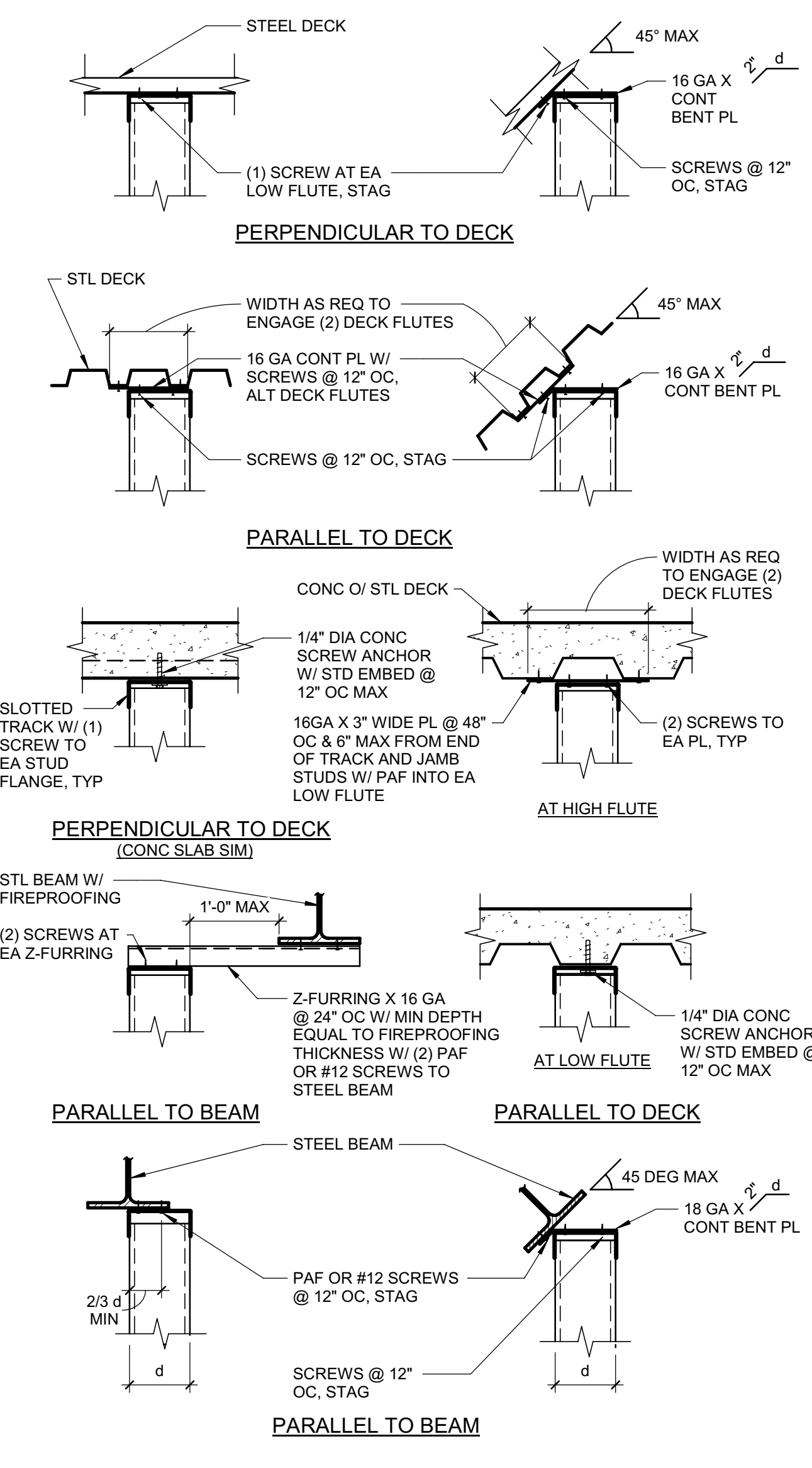
REVISIONS

Sym.	Description	Date

Drawn By: PAB  
 Date Issued: 07.29.2022  
 Scale: As indicated  
 Project No.: 016205.01

SHEET No.  
**S572 V4**

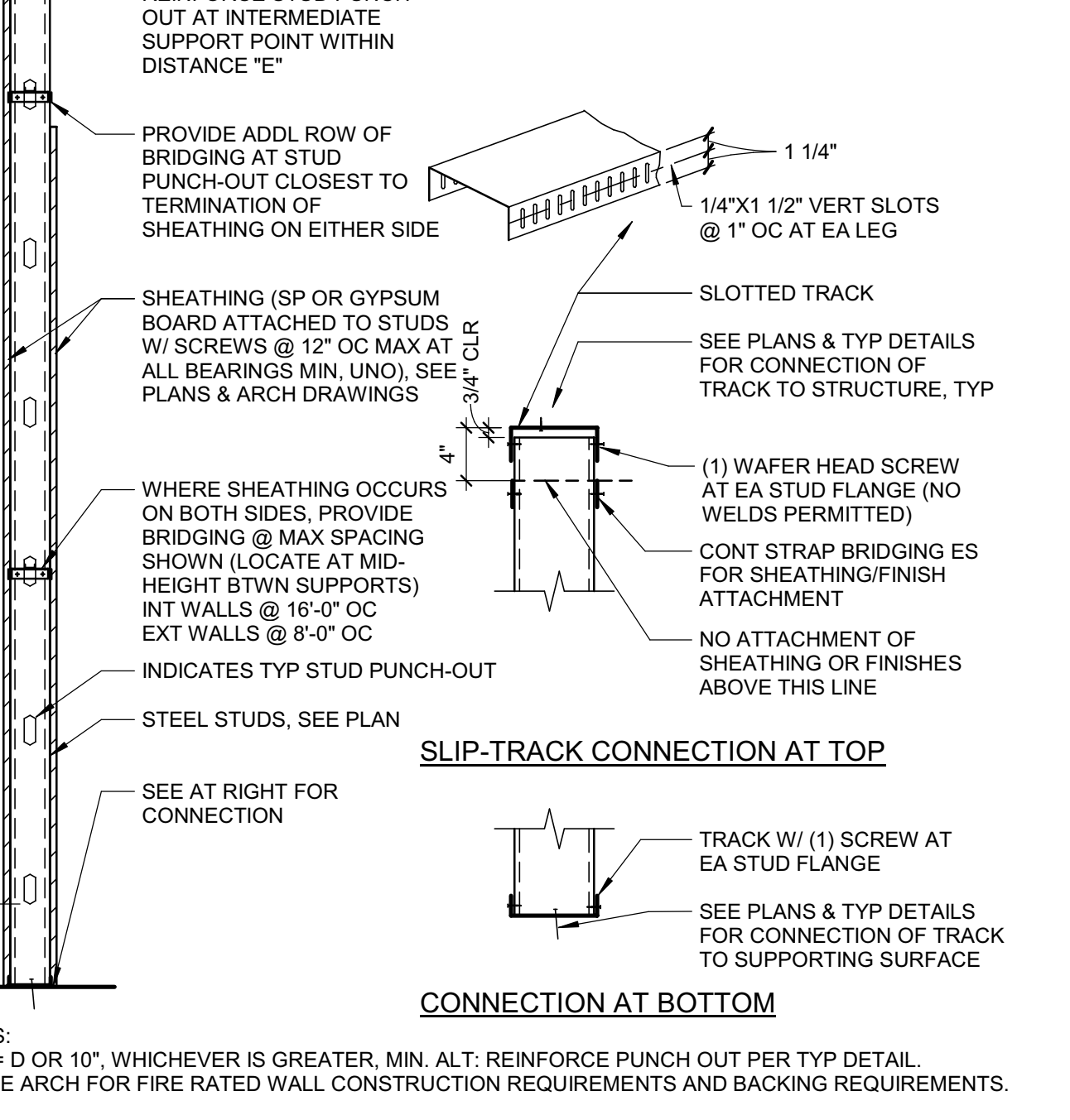
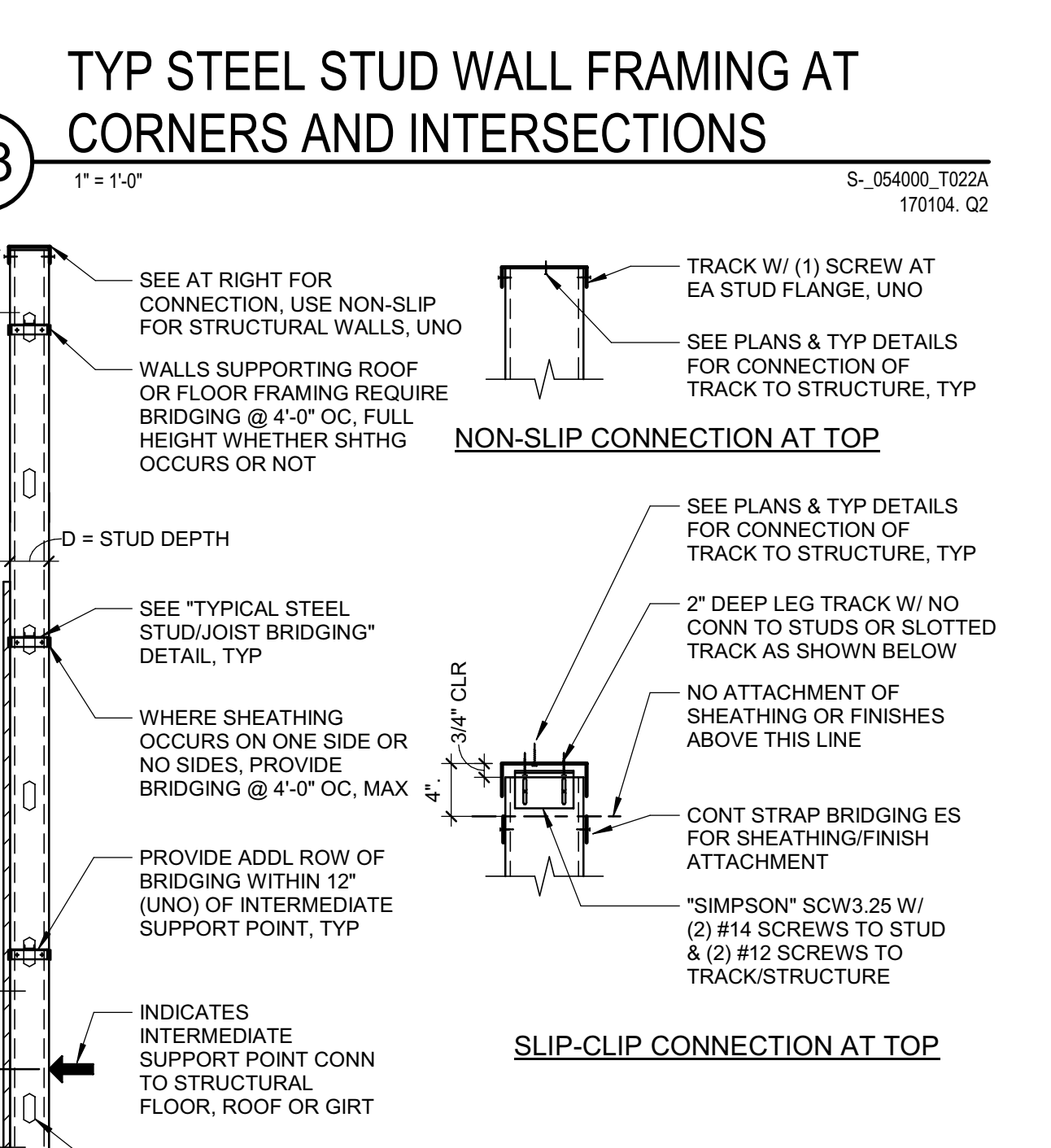
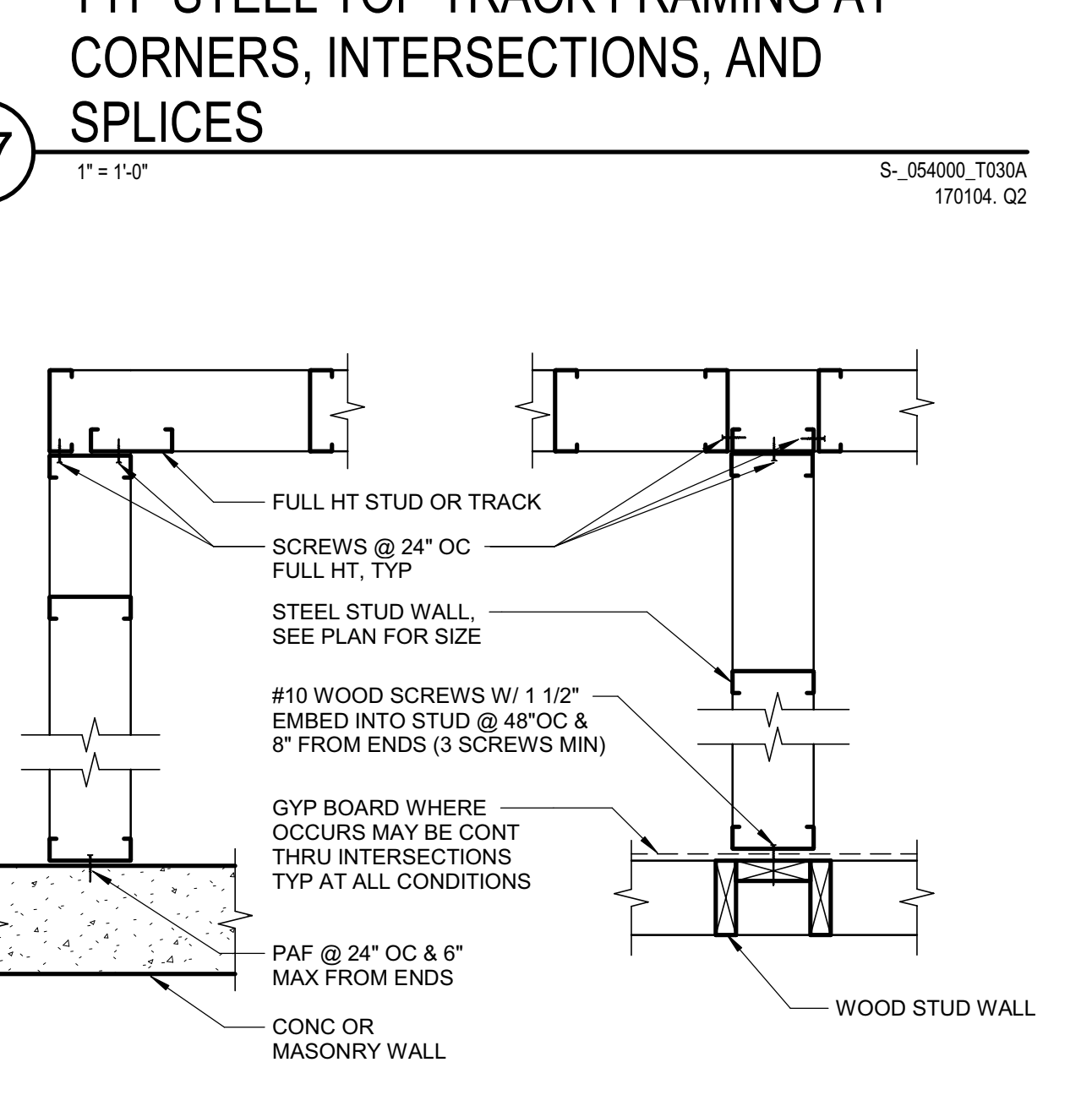
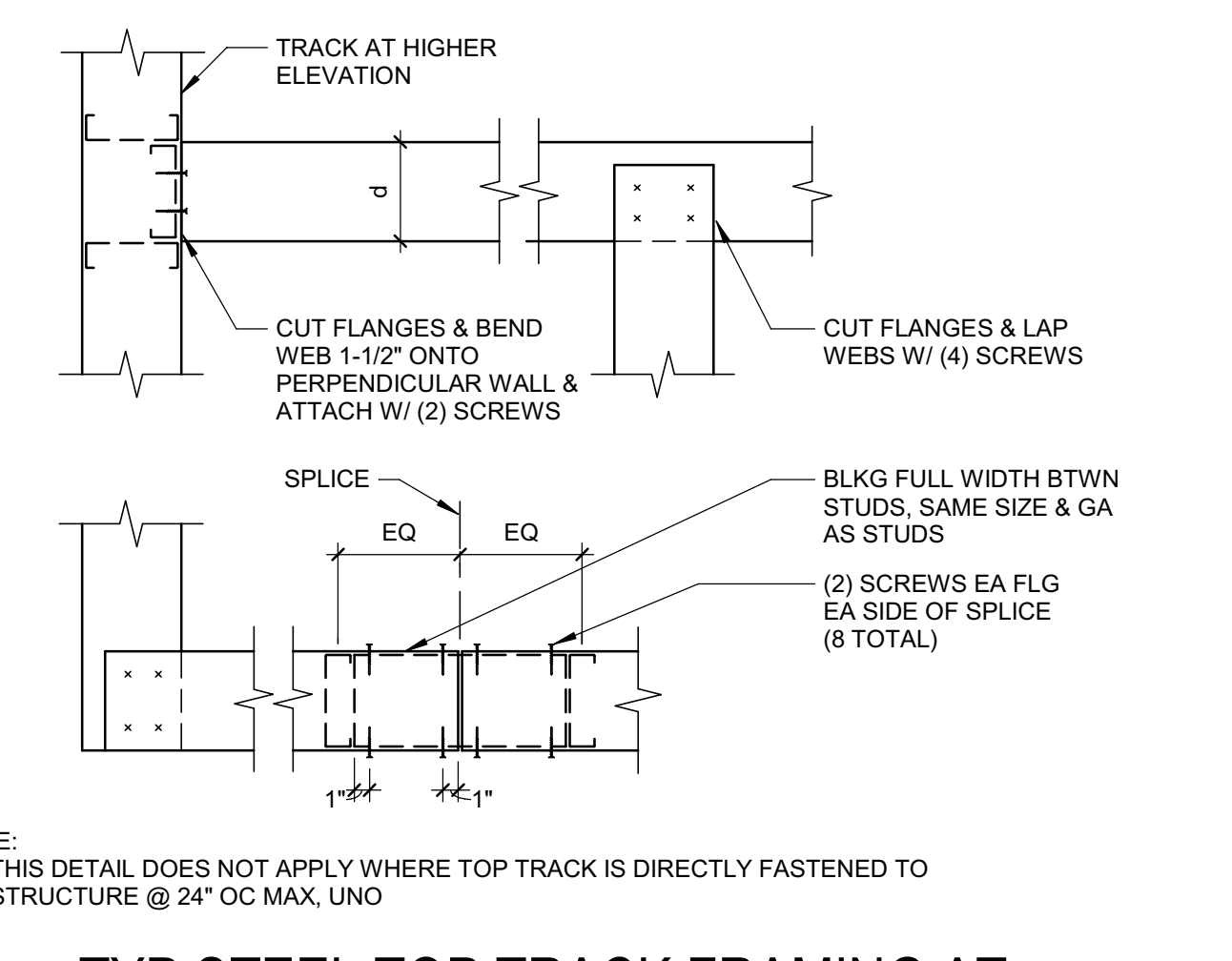
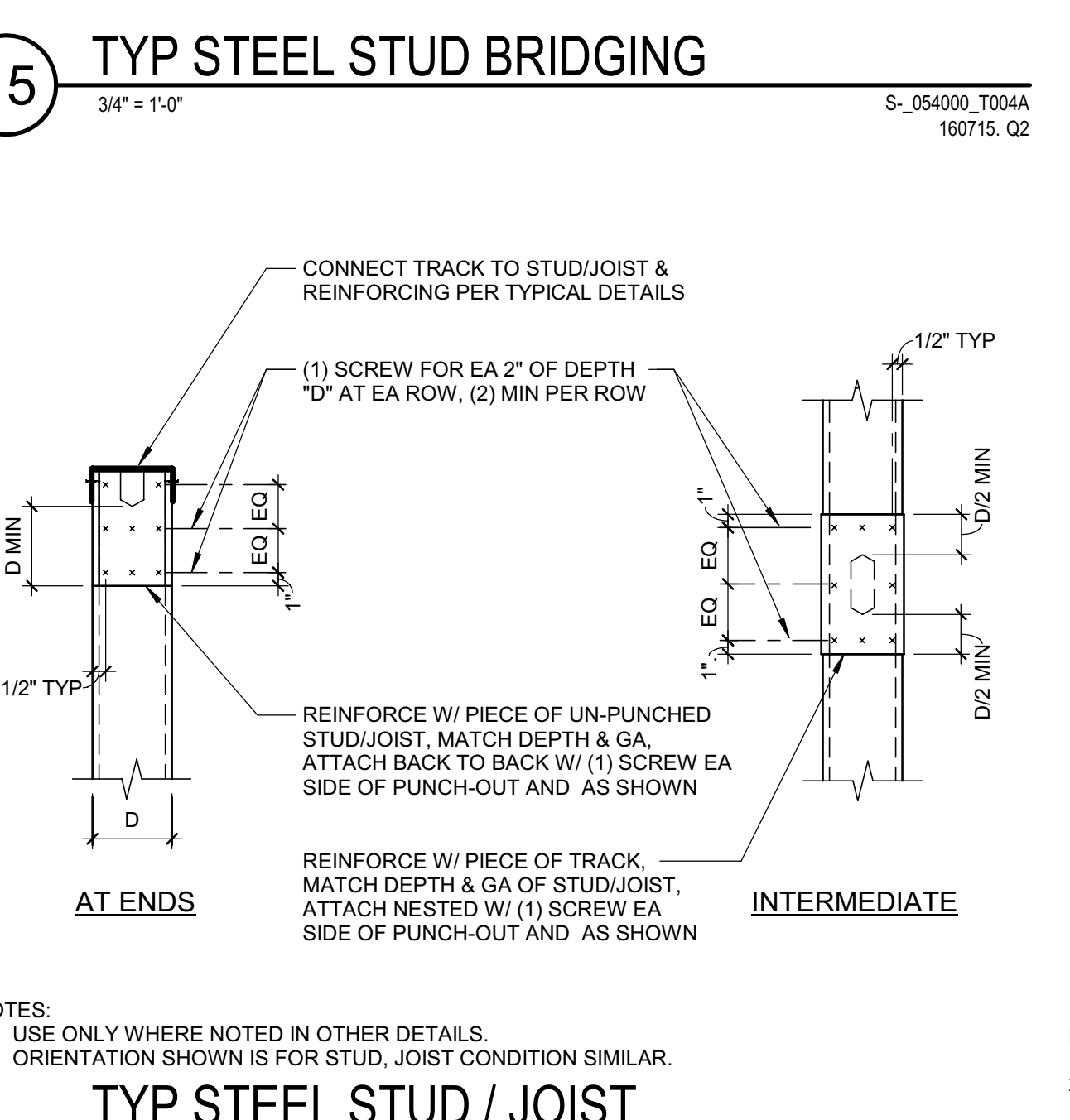
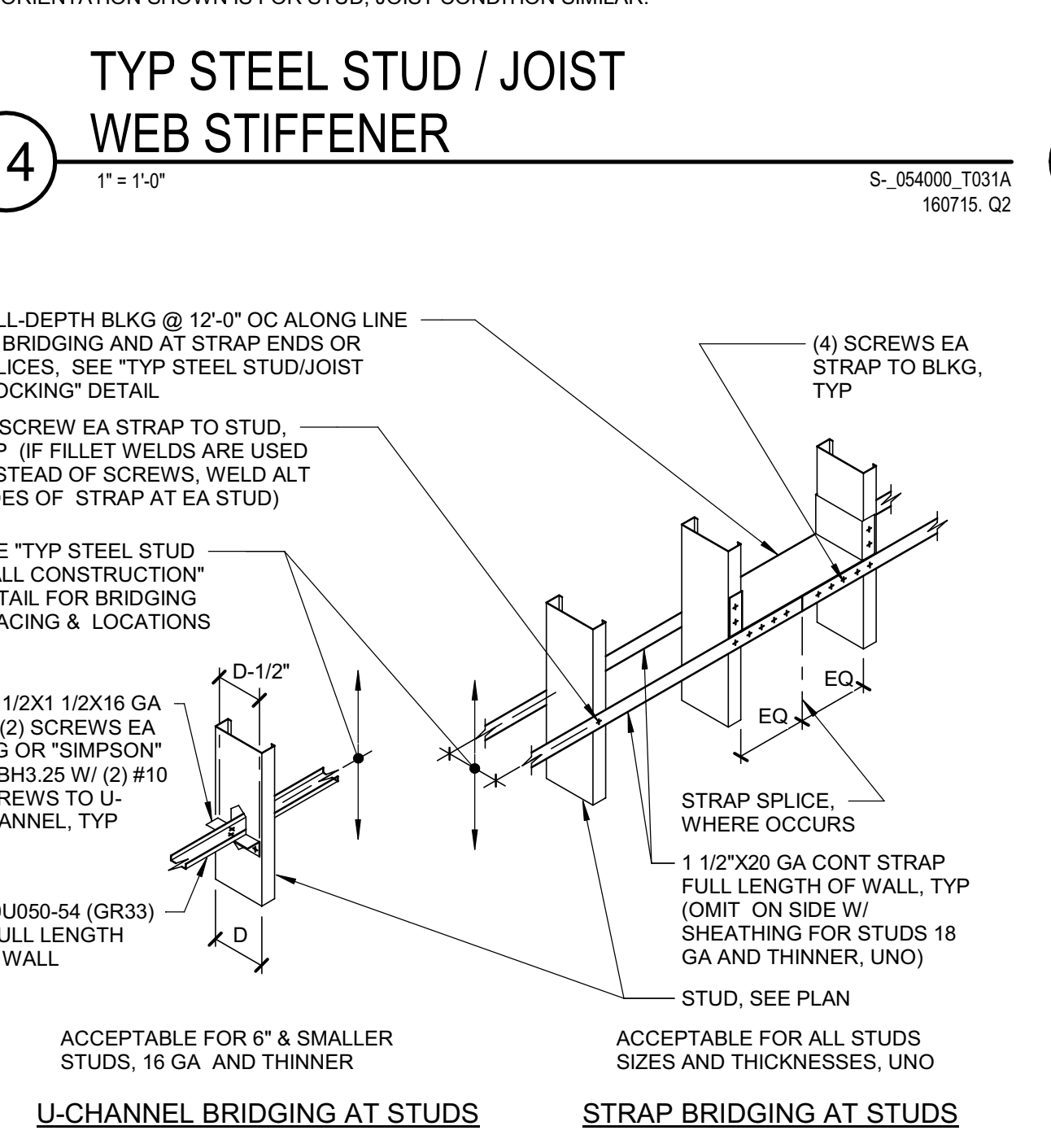
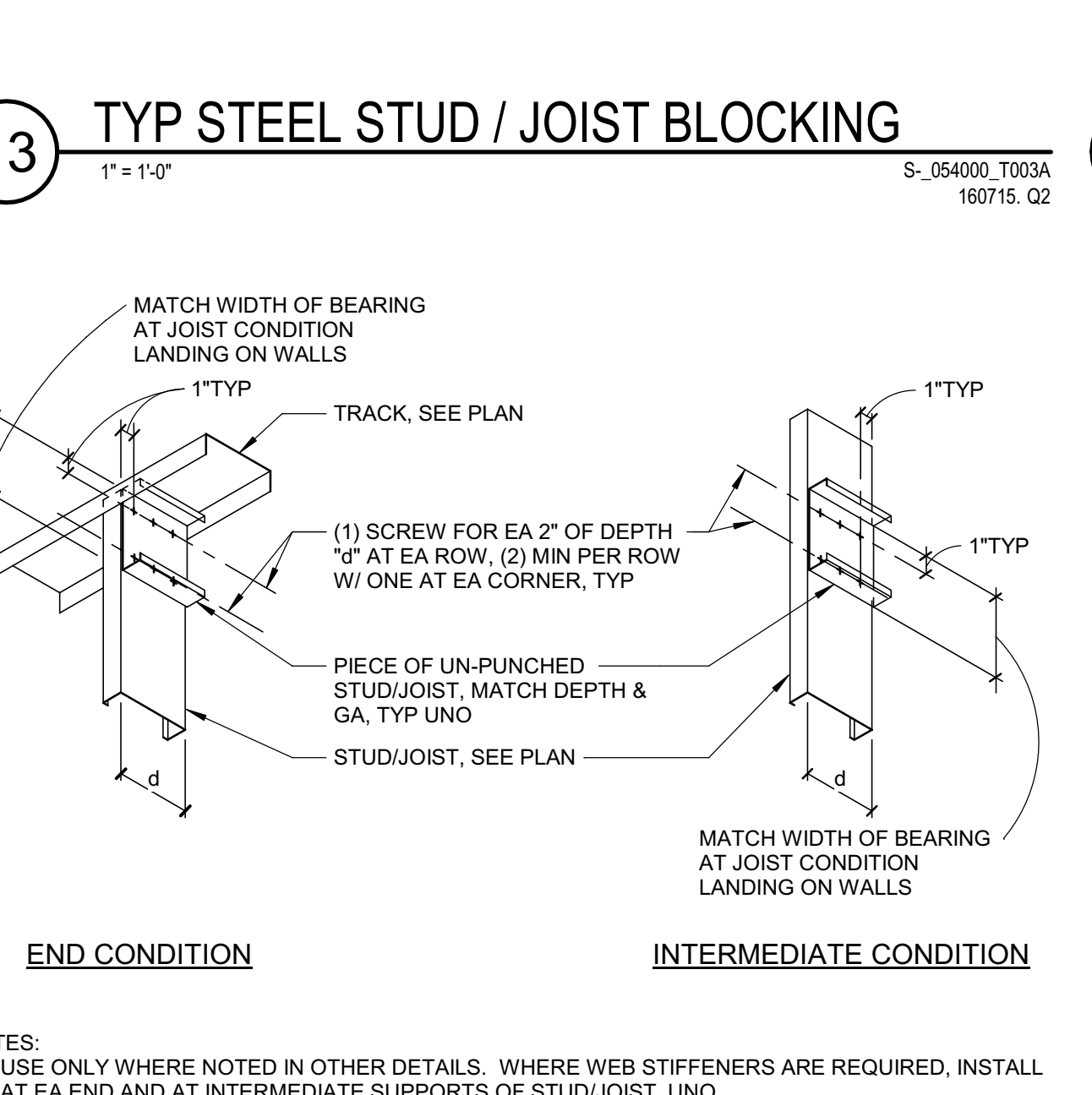
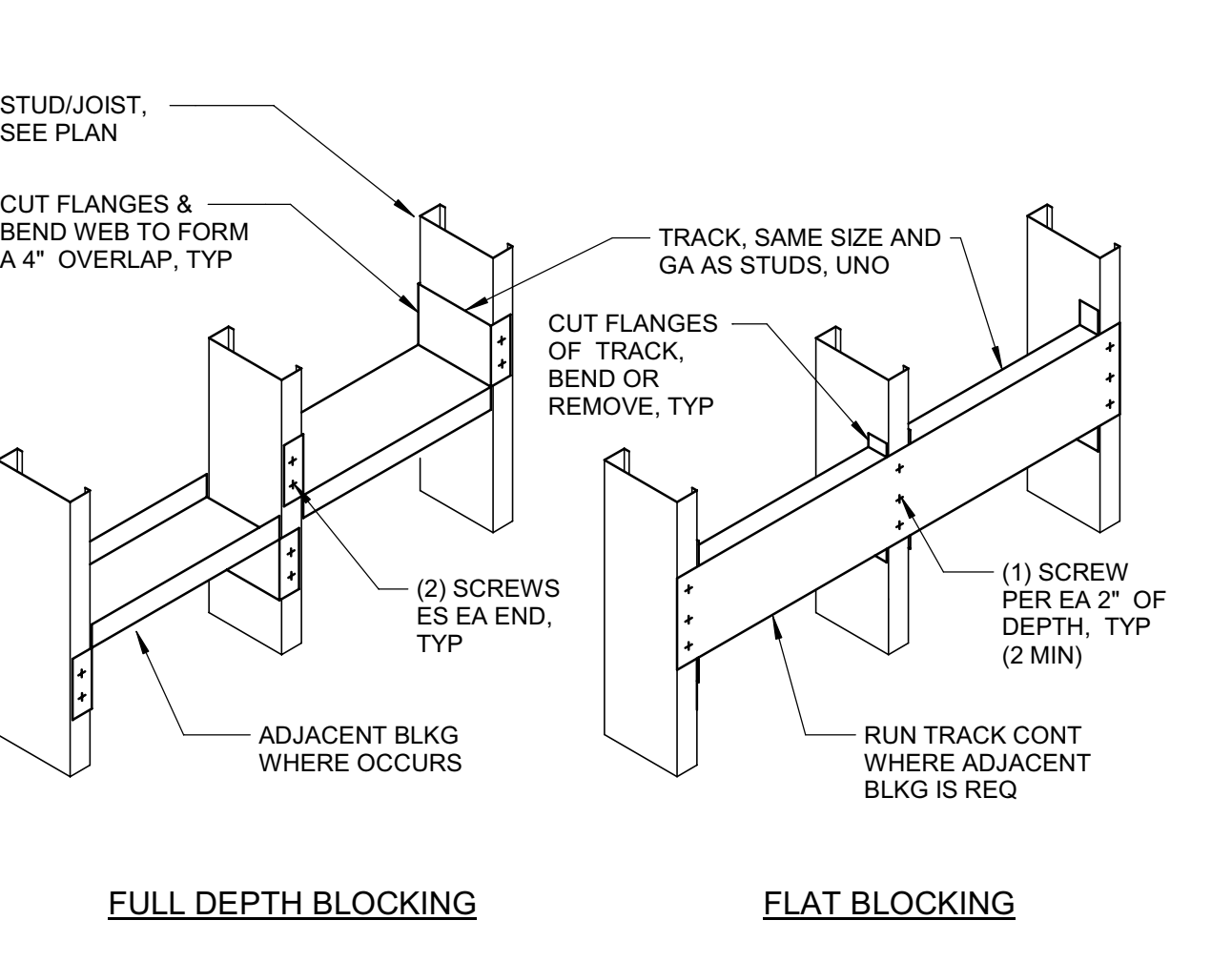
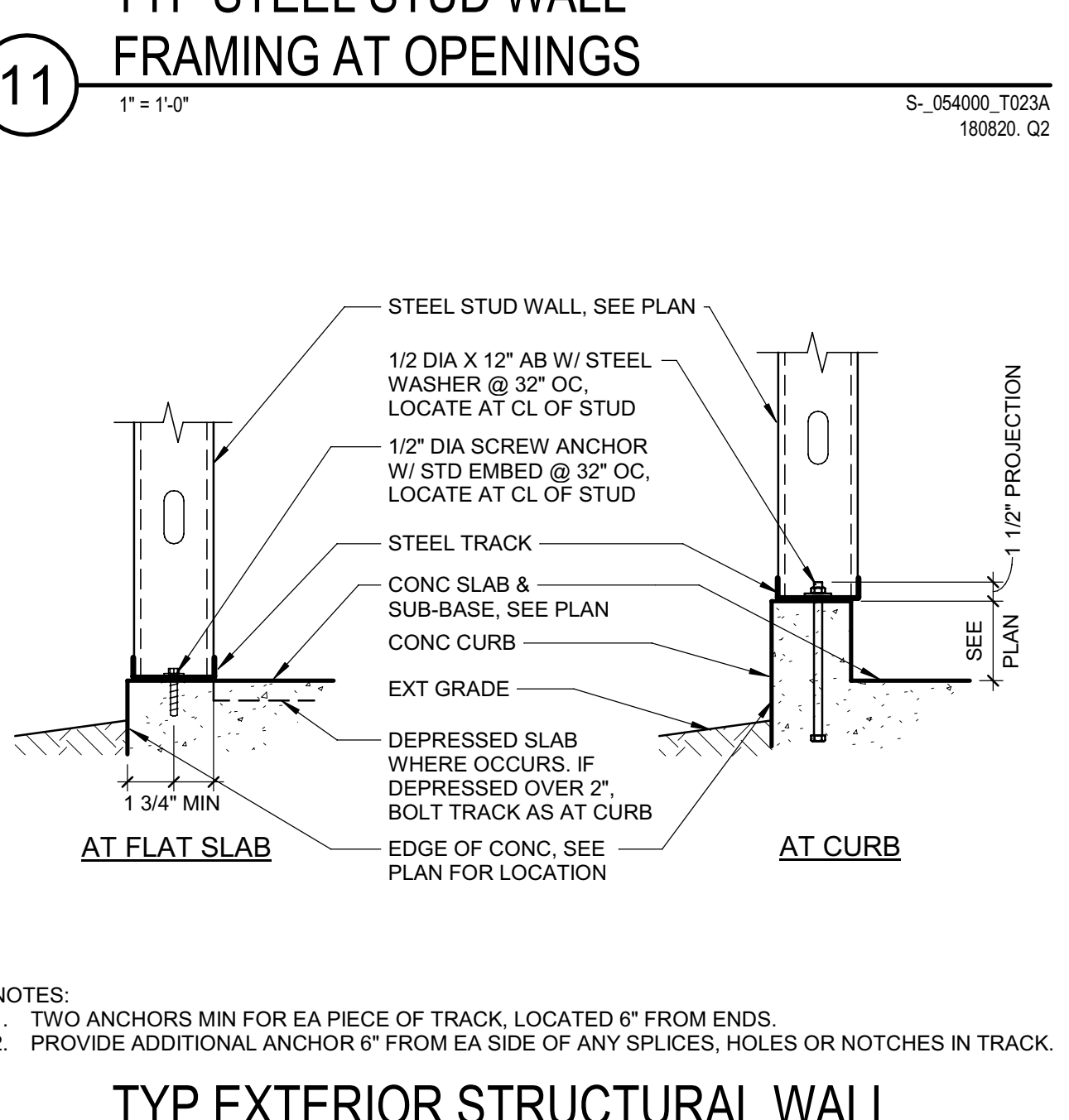
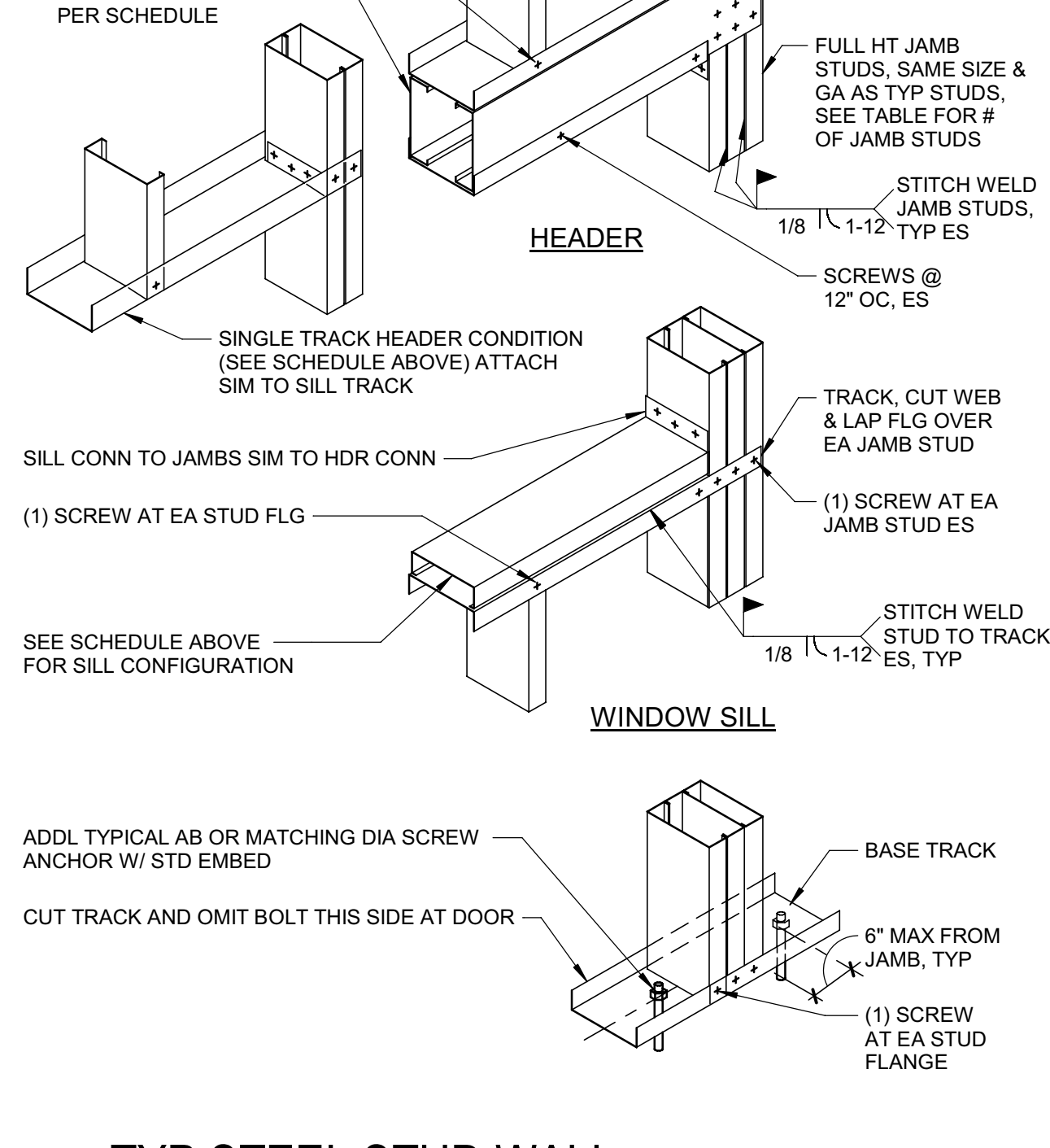




**TYP STUD WALL NON-SLIP CONNECTION AT DECK EDGE**

OPENING WIDTH, L	TYP	HEADERS		JAMBS		SILLS	
		EXTERIOR & STRUCTURAL INTERIOR HEADER SIZE OF DOUBLE STUDS, UNO	TYPE	QUANTITY & GA OF JAMB STUDS	TYPE	QUANTITY & TYPE OF SECTION S AT SILL	
L ≤ 4'	HS1	362S162-43	JS1	(1) TYP STUD	SS1	(1) TYP TRACK	
4' < L ≤ 8'	HS2	600S162-43	JS2	(2) TYP STUDS	SS2	(1) TYP TRACK AND (1) TYP STUD	
8' < L ≤ 12'	HS3	1000S162-64	JS3	(3) TYP STUDS	SS3	(1) TYP TRACK AND (1) TYP STUD	

**NOTES:**  
1. USE HEADER & JAMB TYPE NOTED ABOVE ON OPNG WIDTH UNLESS SPECIFIC HEADER OR JAMB TYPE NOTED ON PLANS.



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ARCHITECT OF RECORD

**NM & R**

NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT

**LIONAKIS**  
STRUCTURAL CONSULTANT

**LIONAKIS**

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LICENSE STAMPS

9/15/2022

PROJECT NAME

**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

**DETAILS - TYPICAL COLD FORMED STEEL FRAMING**

DRAWING STATUS

WORKING DRAWINGS

REVISIONS

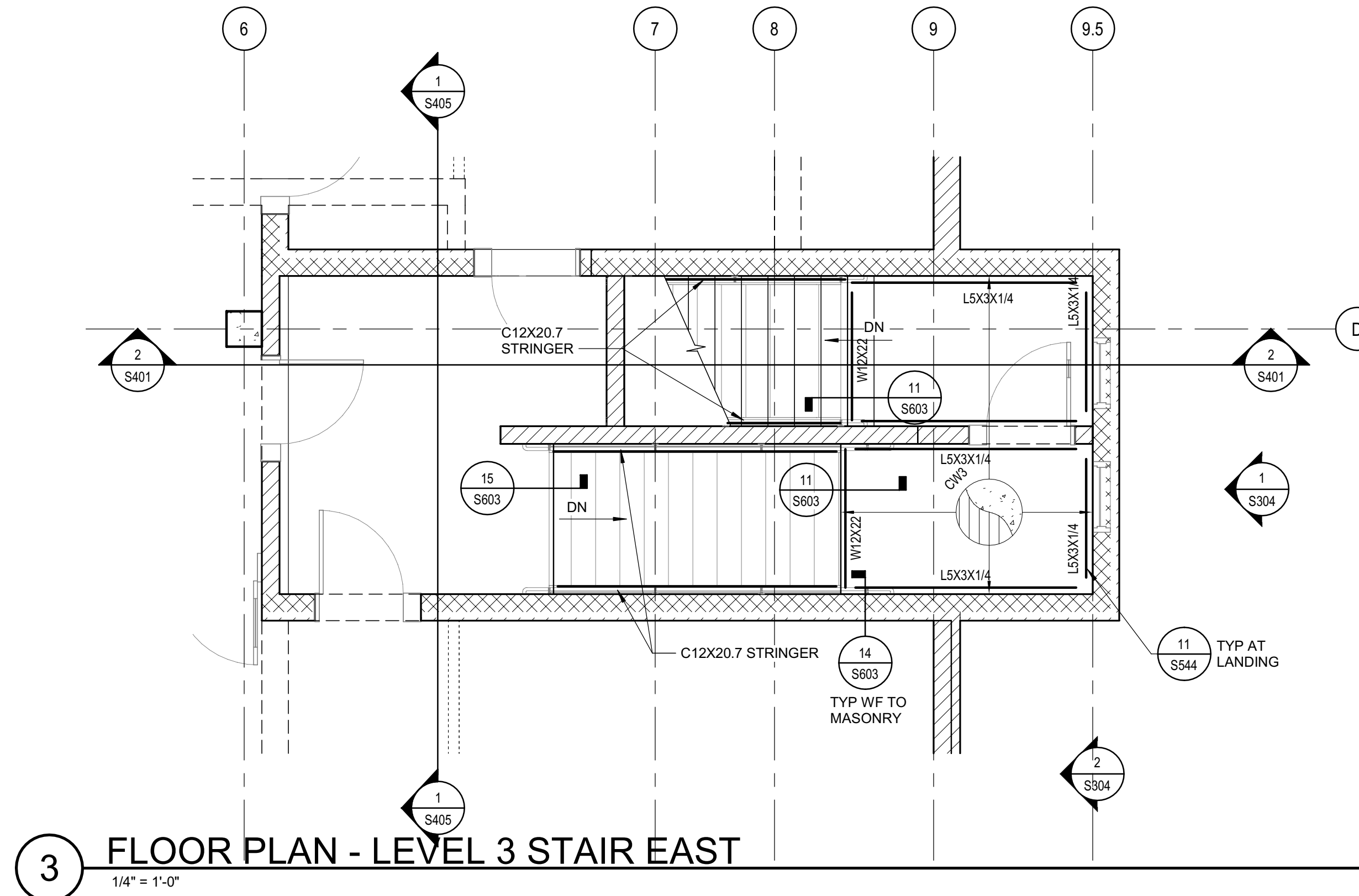
Svnt.	Description	Date

Drawn By \_\_\_\_\_ Author \_\_\_\_\_  
Date Issued \_\_\_\_\_ 07.29.2022  
Scale \_\_\_\_\_ As indicated  
Project No. \_\_\_\_\_ 016205.01

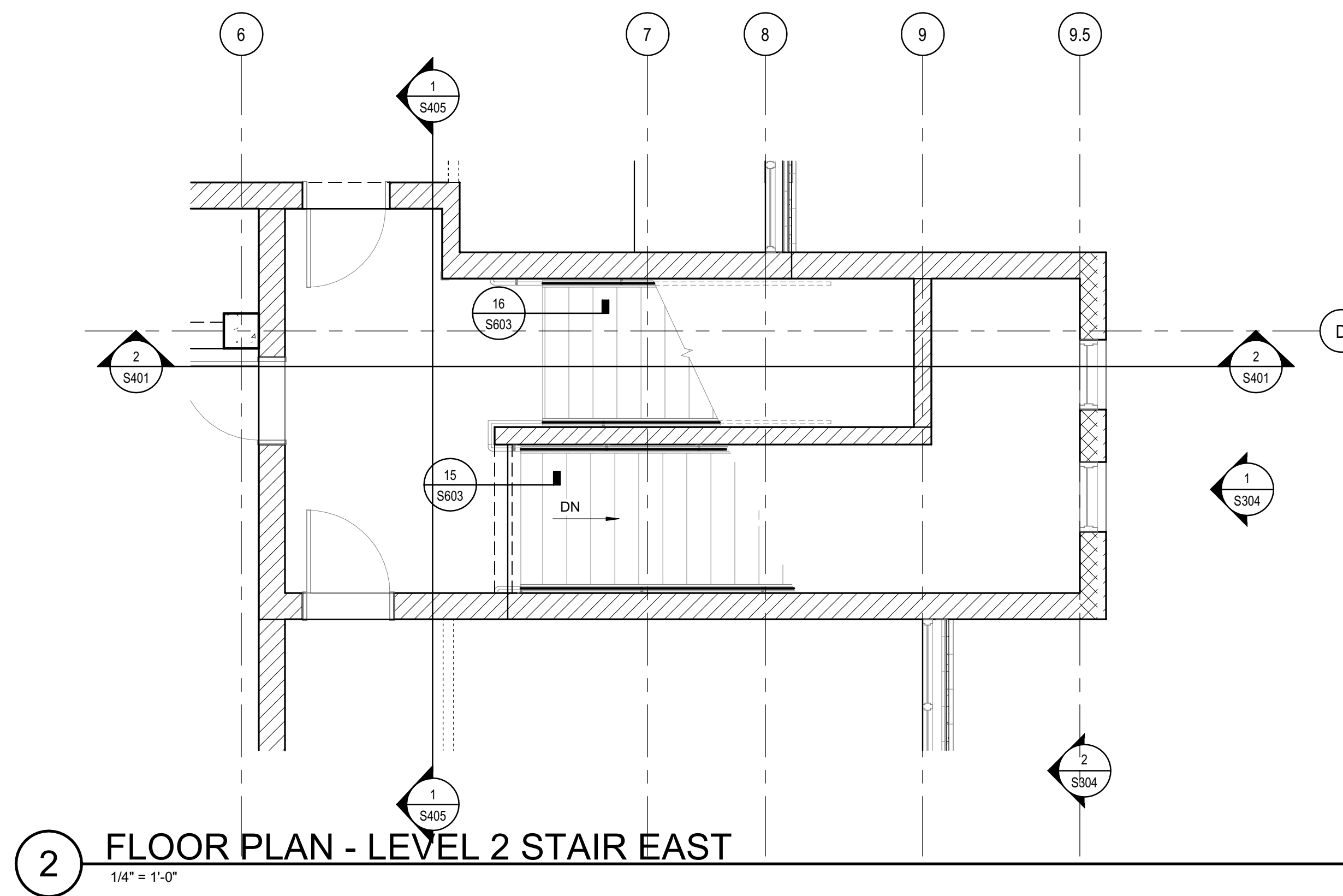
SHEET No.

**S591 V4**

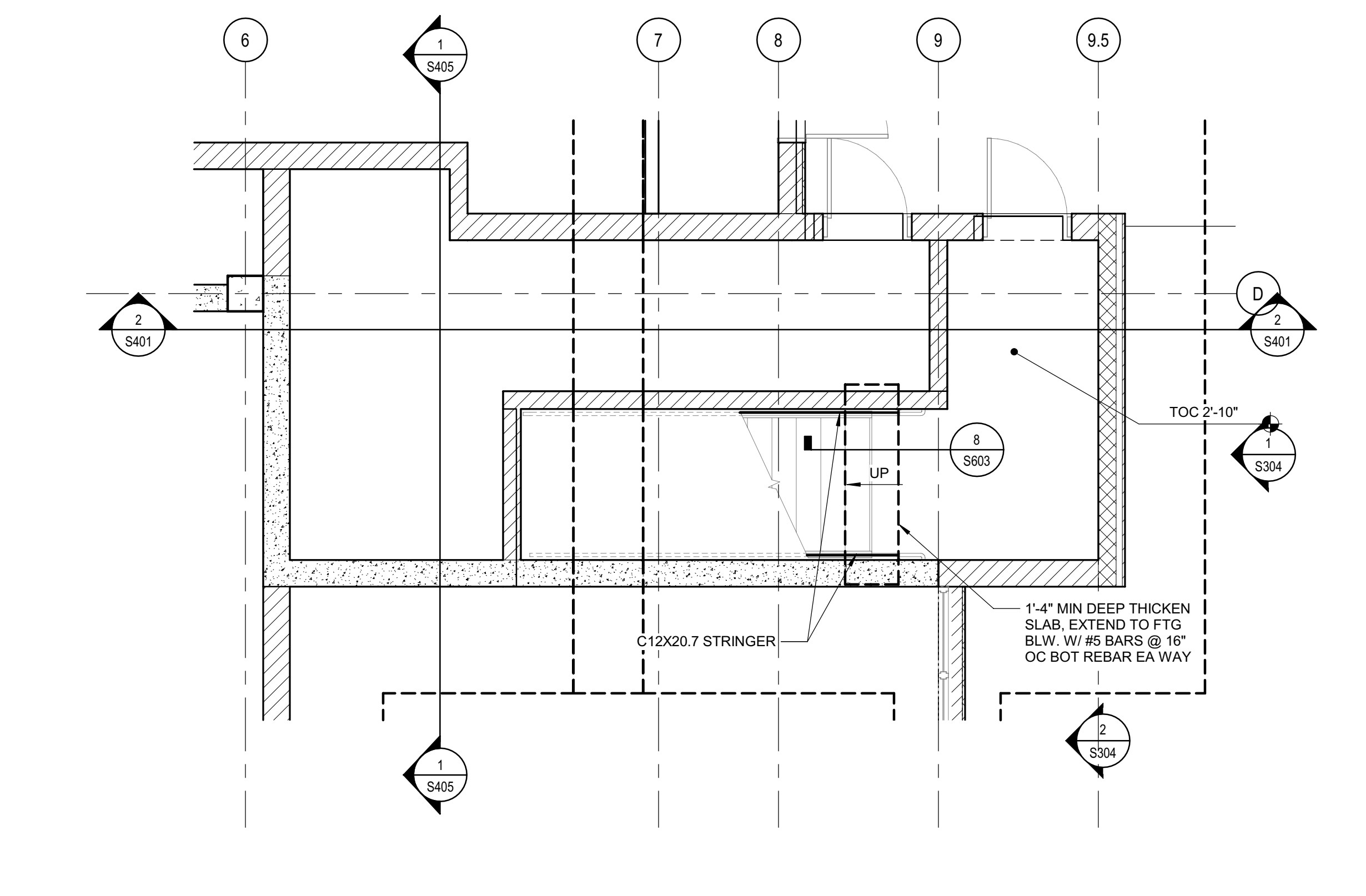
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**3 FLOOR PLAN - LEVEL 3 STAIR EAST**  
 1/4" = 1'-0"



**2 FLOOR PLAN - LEVEL 2 STAIR EAST**  
 1/4" = 1'-0"

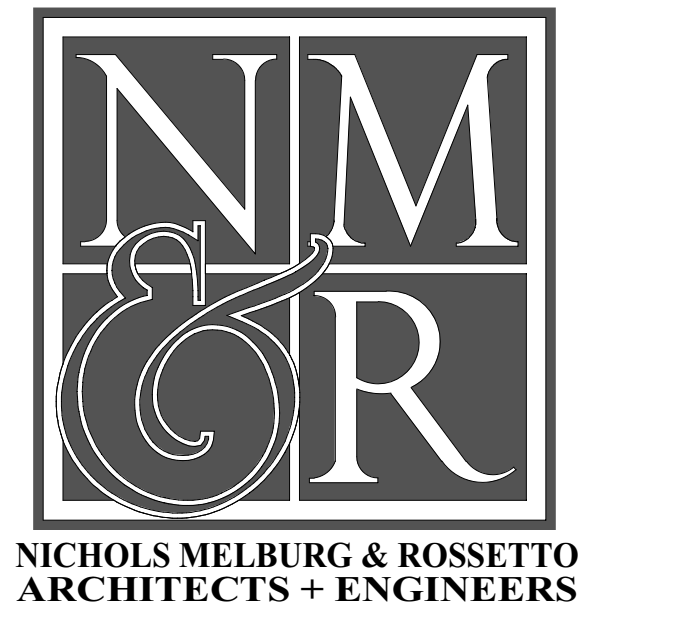


**1 FOUNDATION PLAN - LEVEL 1 STAIR EAST**  
 1/4" = 1'-0"

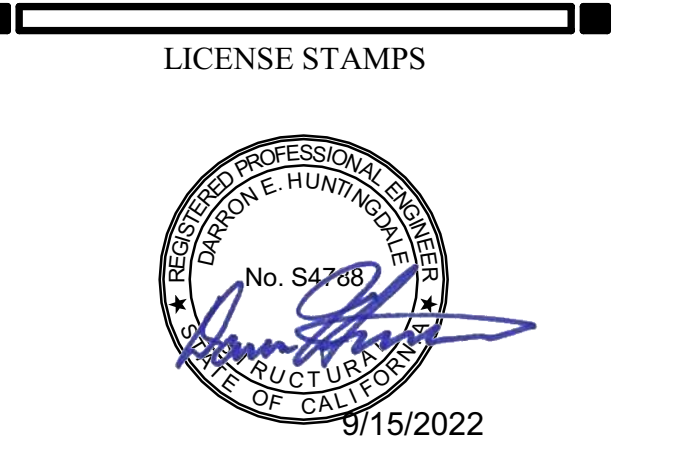


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PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

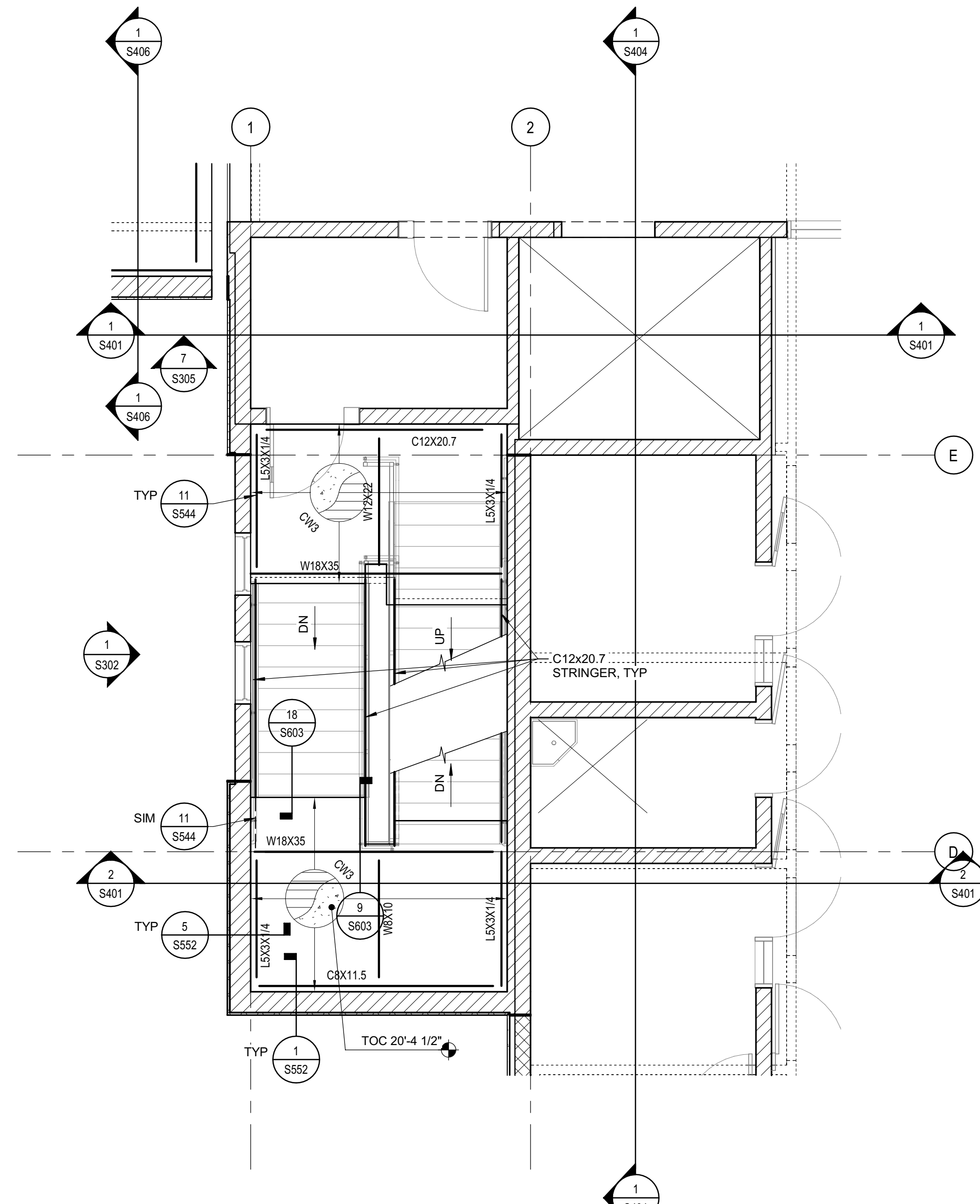
SHEET TITLE  
**ENLARGED PLANS -  
 EAST STAIR**

DRAWING STATUS  
**WORKING DRAWINGS**

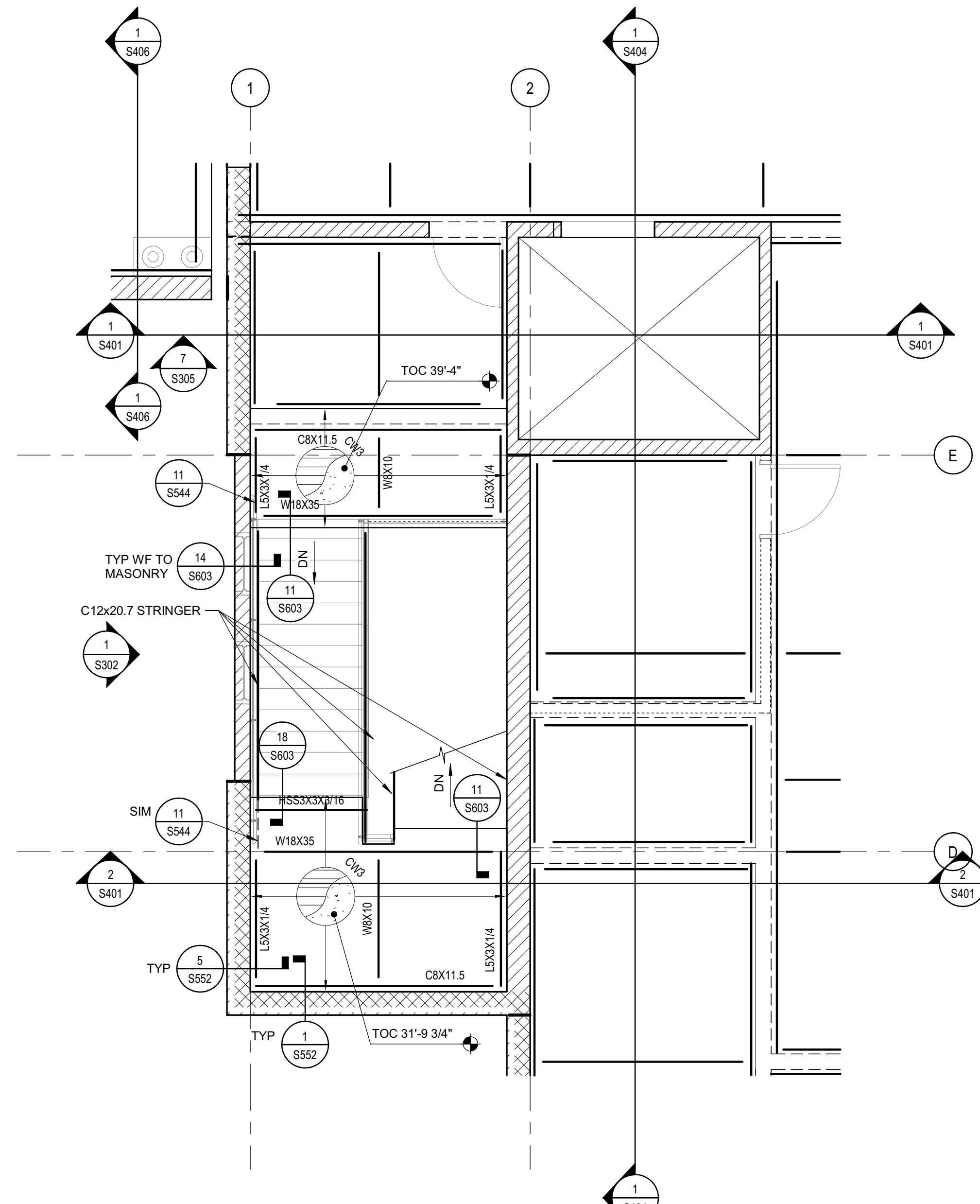
Sym.	Description	Date

Drawn By	PAB
Date Issued	07.29.2022
Scale	1/4" = 1'-0"
Project No.	016205.01

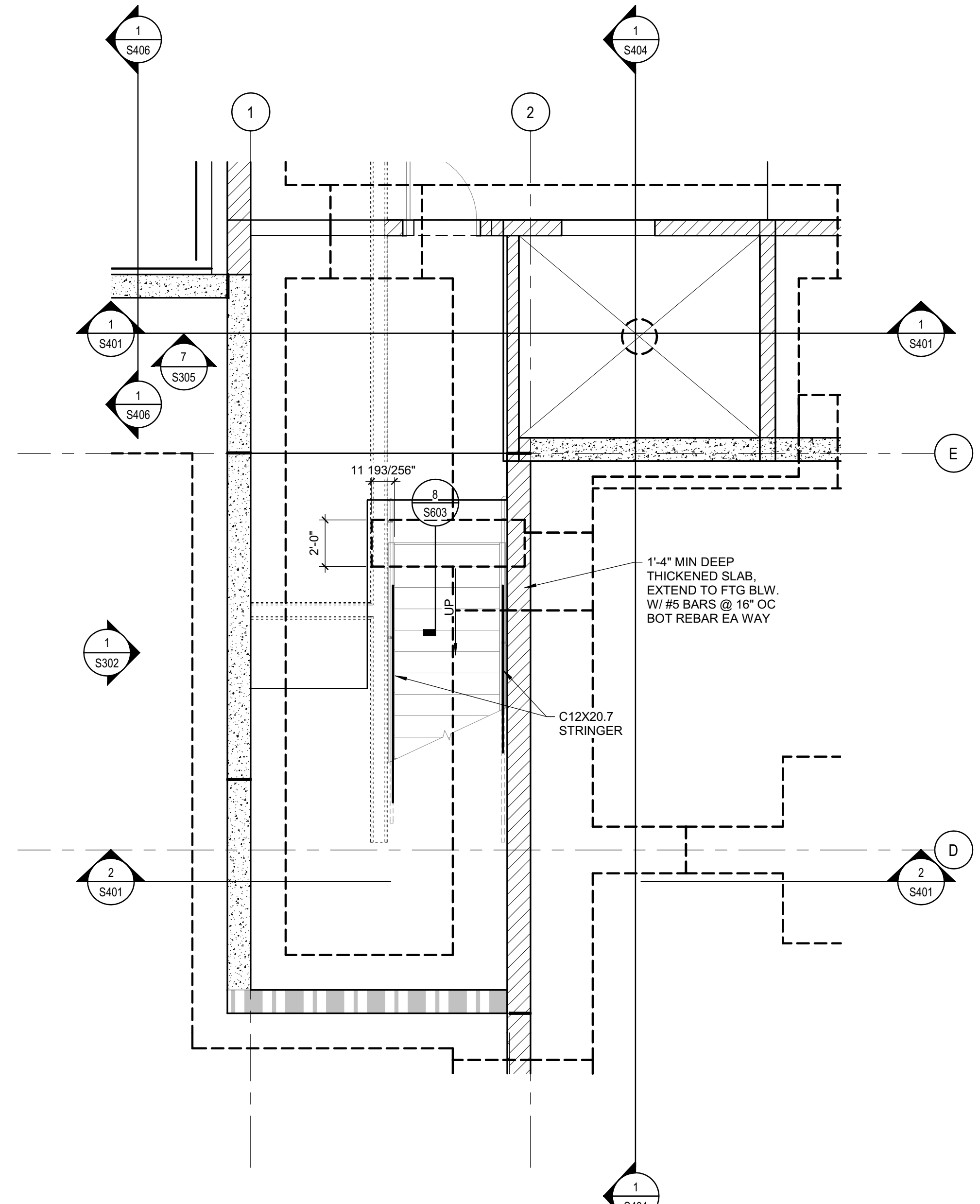
SHEET No.  
**S601 V4**



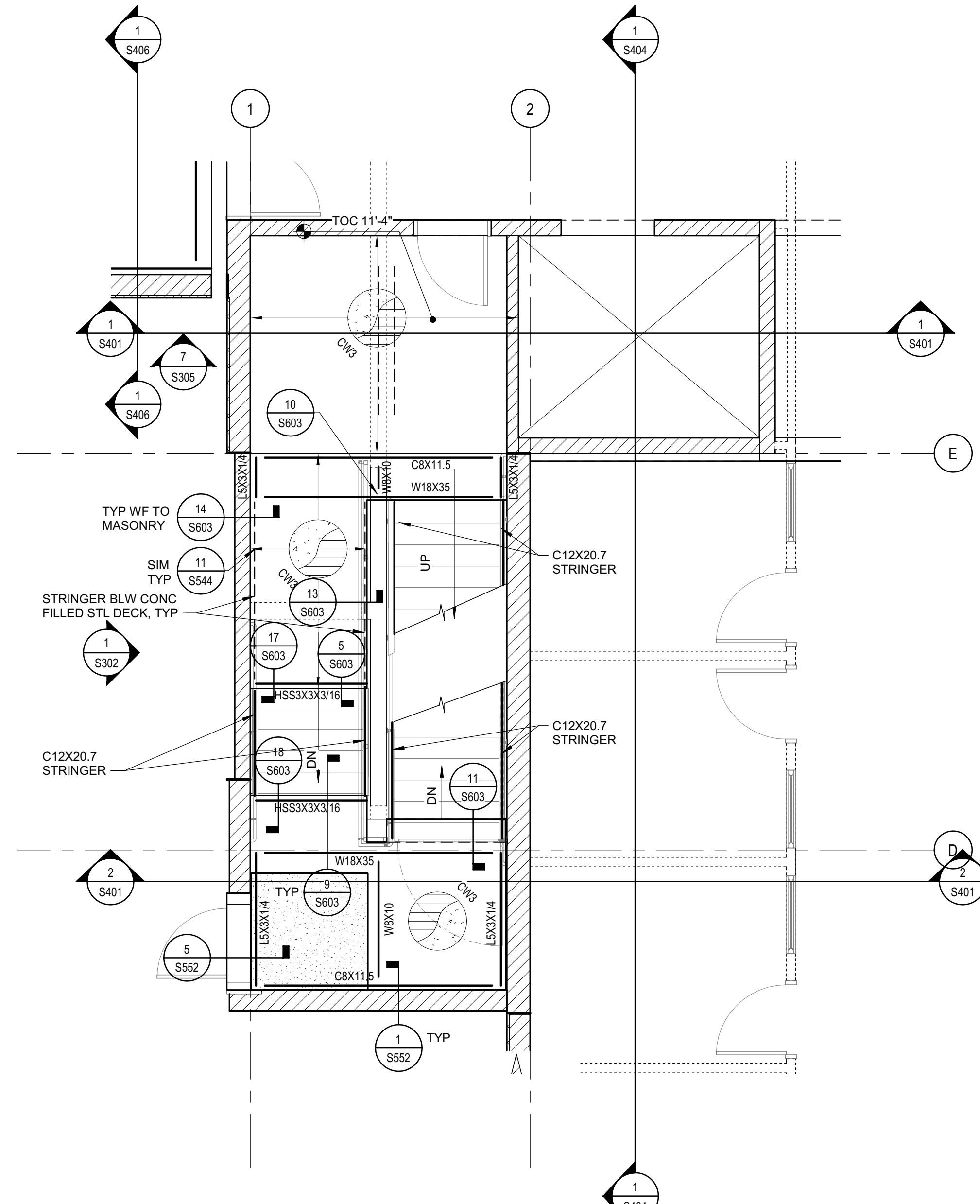
3 FLOOR PLAN - LEVEL 3 STAIR WEST  
1/4" = 1'-0"



4 FLOOR PLAN - LEVEL 4 - STAIR WEST  
1/4" = 1'-0"



1 FOUNDATION PLAN - LEVEL 1 STAIR WEST  
1/4" = 1'-0"



2 FLOOR PLAN - LEVEL 2 STAIR WEST  
1/4" = 1'-0"



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PROJECT NAME  
**HUMBOLDT COUNTY  
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EUREKA, CA 95501

SHEET TITLE  
**ENLARGED PLANS -  
WEST STAIR**

DRAWING STATUS  
**WORKING DRAWINGS**

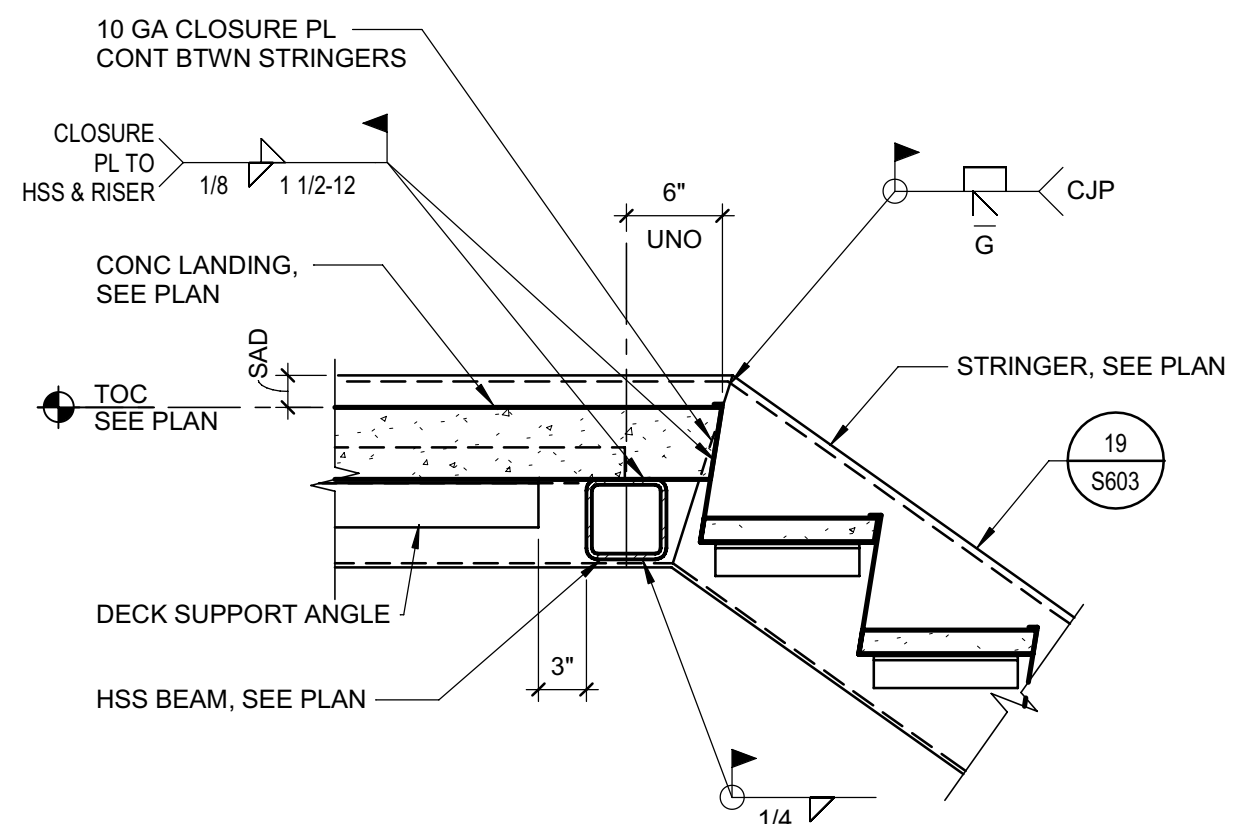
REVISIONS

Sym.	Description	Date

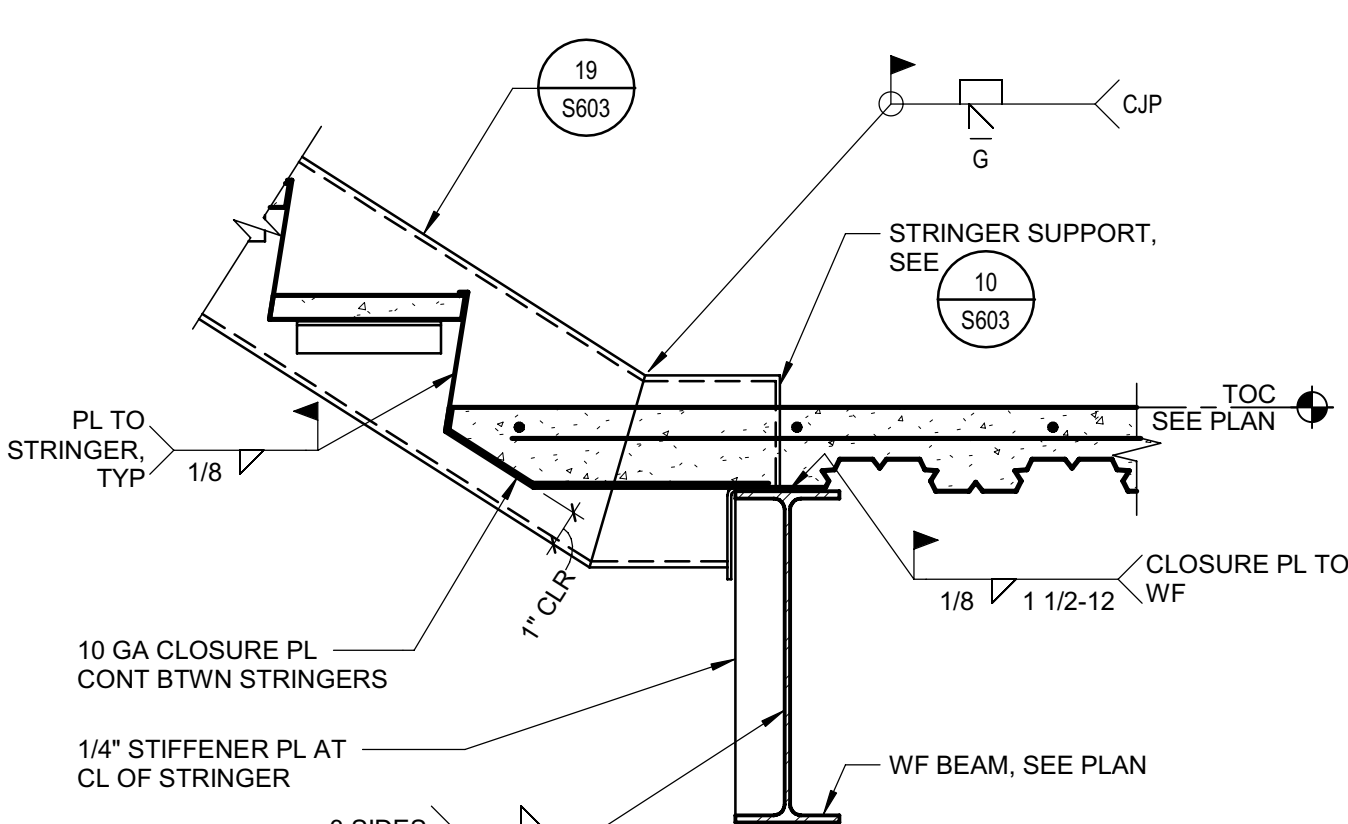
Drawn By	PAB
Date Issued	07.29.2022
Scale	1/4" = 1'-0"
Project No.	016205.01

SHEET No.  
**S602 V4**

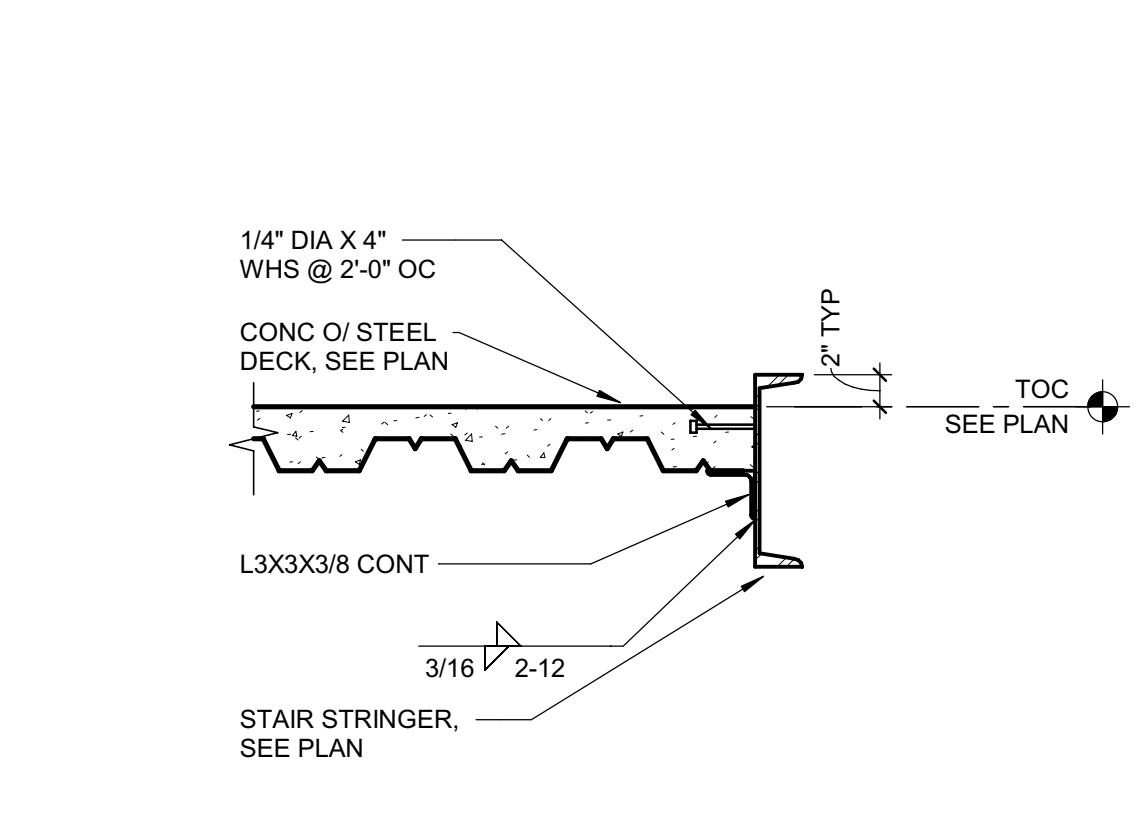
Plot Date: 9/15/2022 3:27:03 PM  
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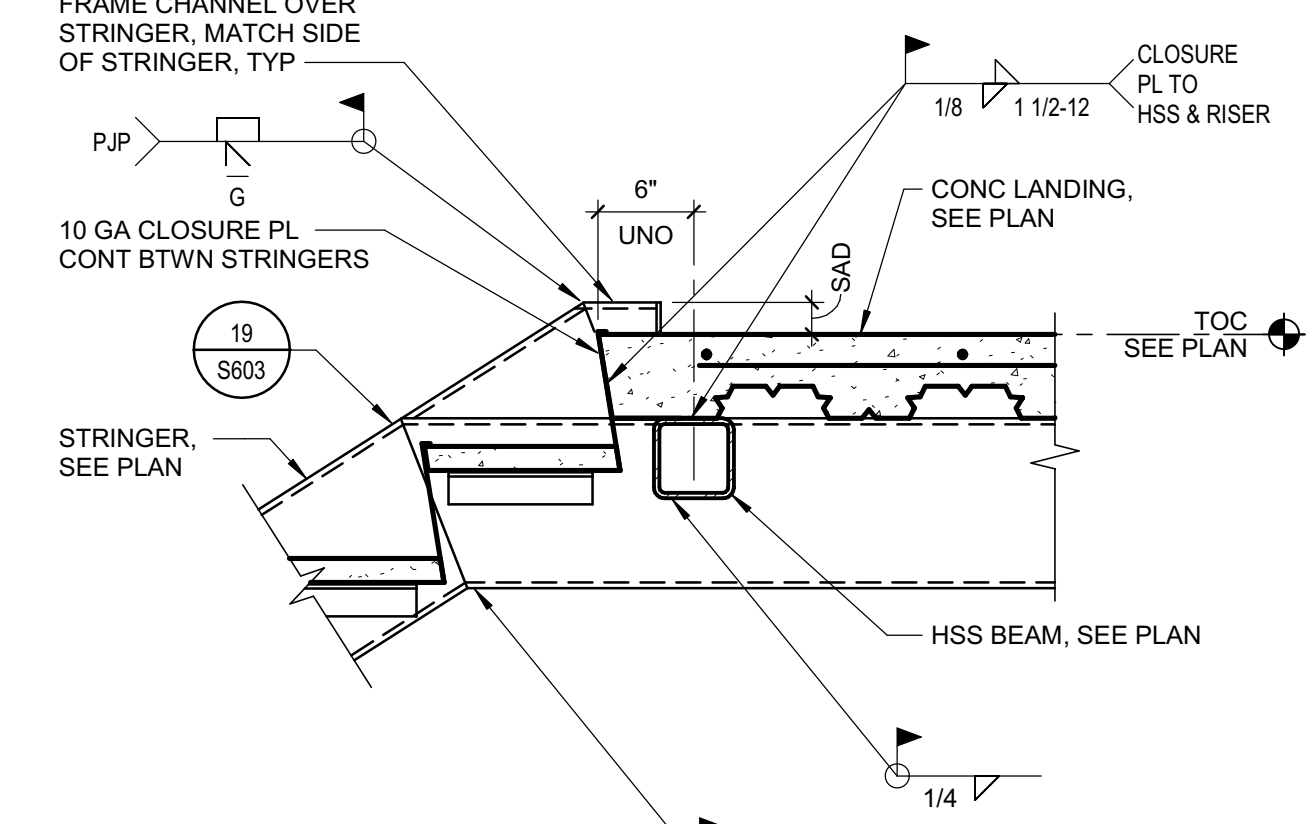
5 STRINGER DOWN AT LANDING  
1" = 1'-0"  
S\_055100\_C010A  
140127\_01



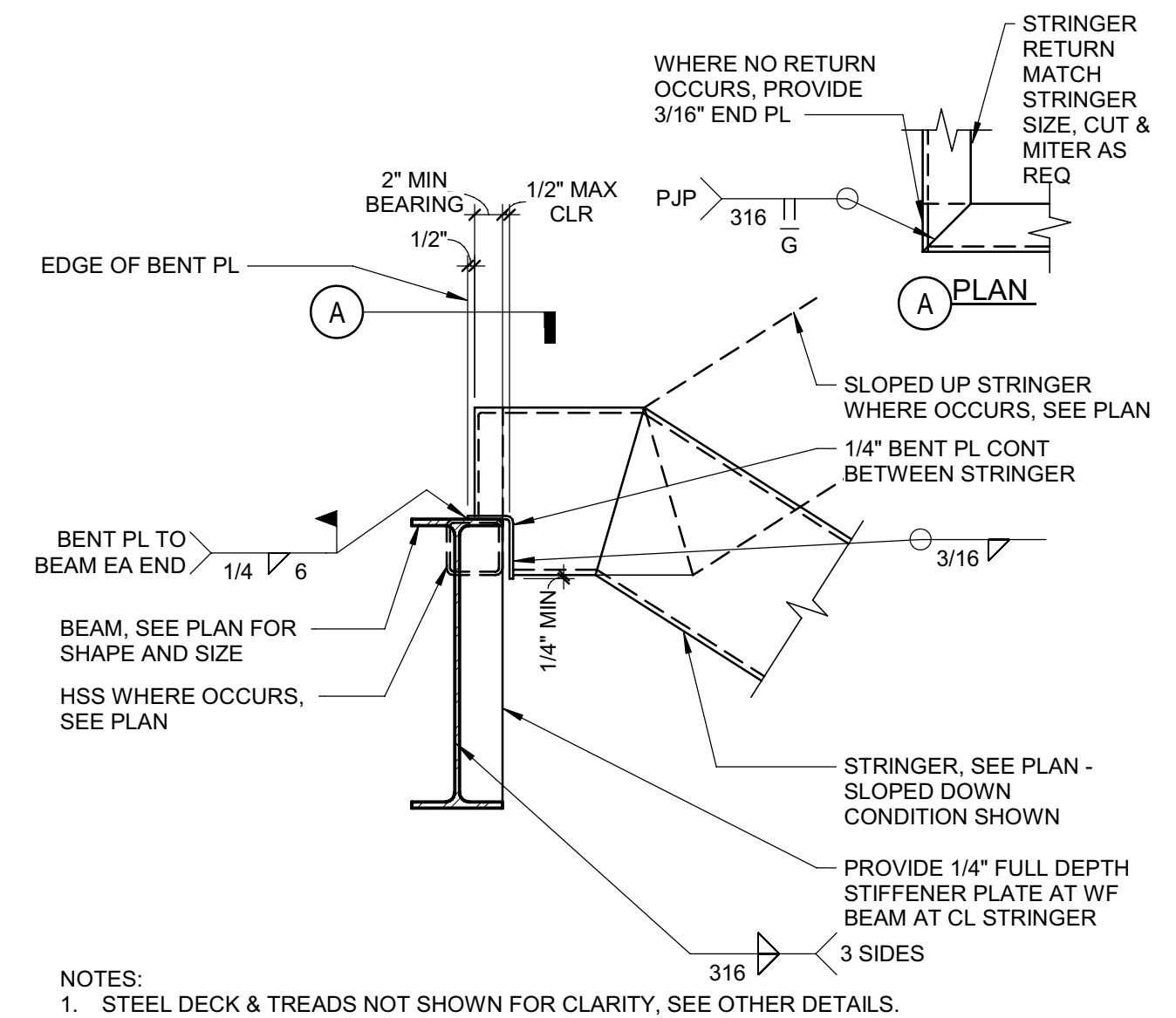
9 STRINGER UP AT FLOOR  
1" = 1'-0"  
S\_055100\_C012A  
140127\_01



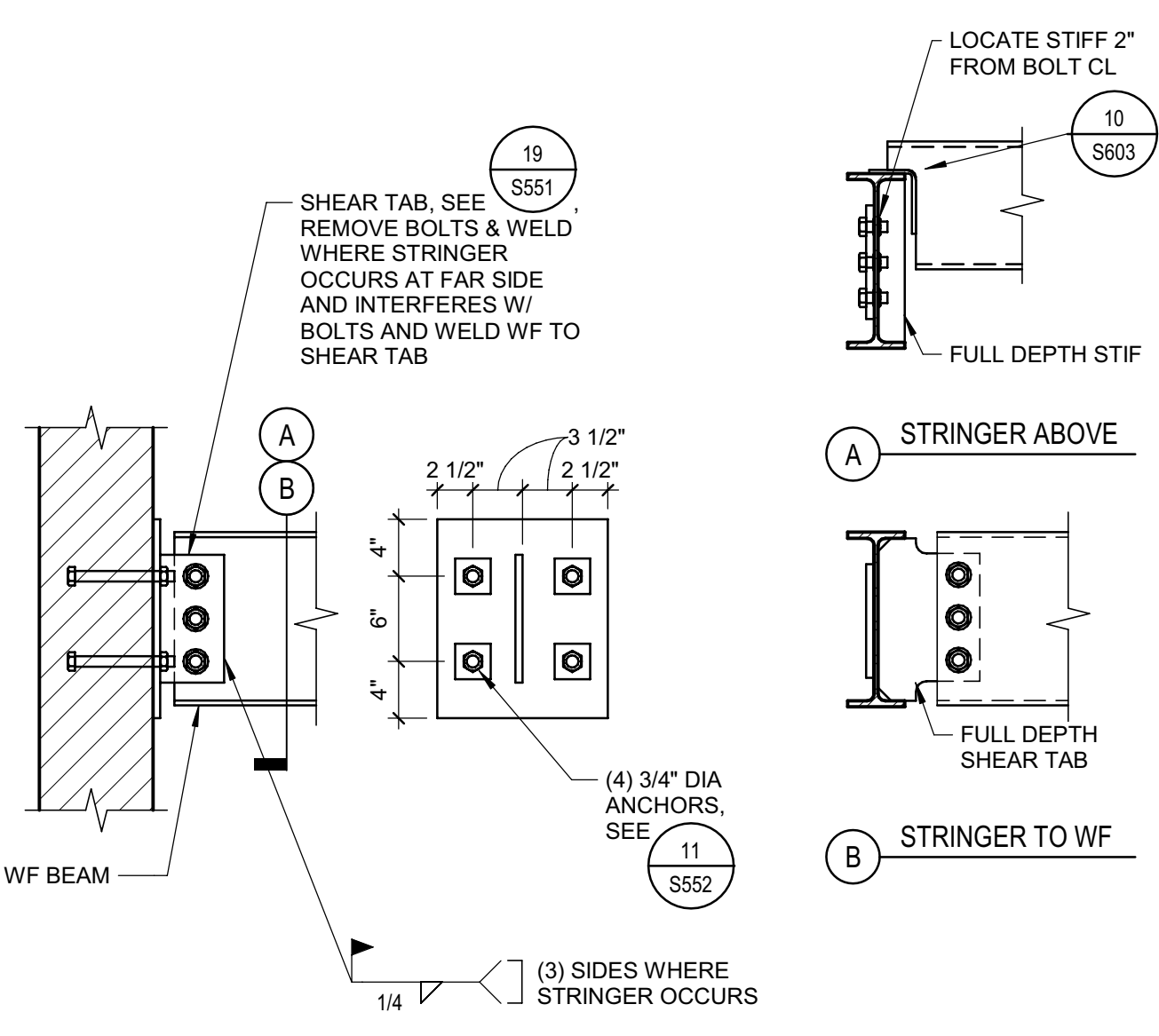
13 LANDING EDGE  
1" = 1'-0"  
S\_055100\_C004A  
140127\_01



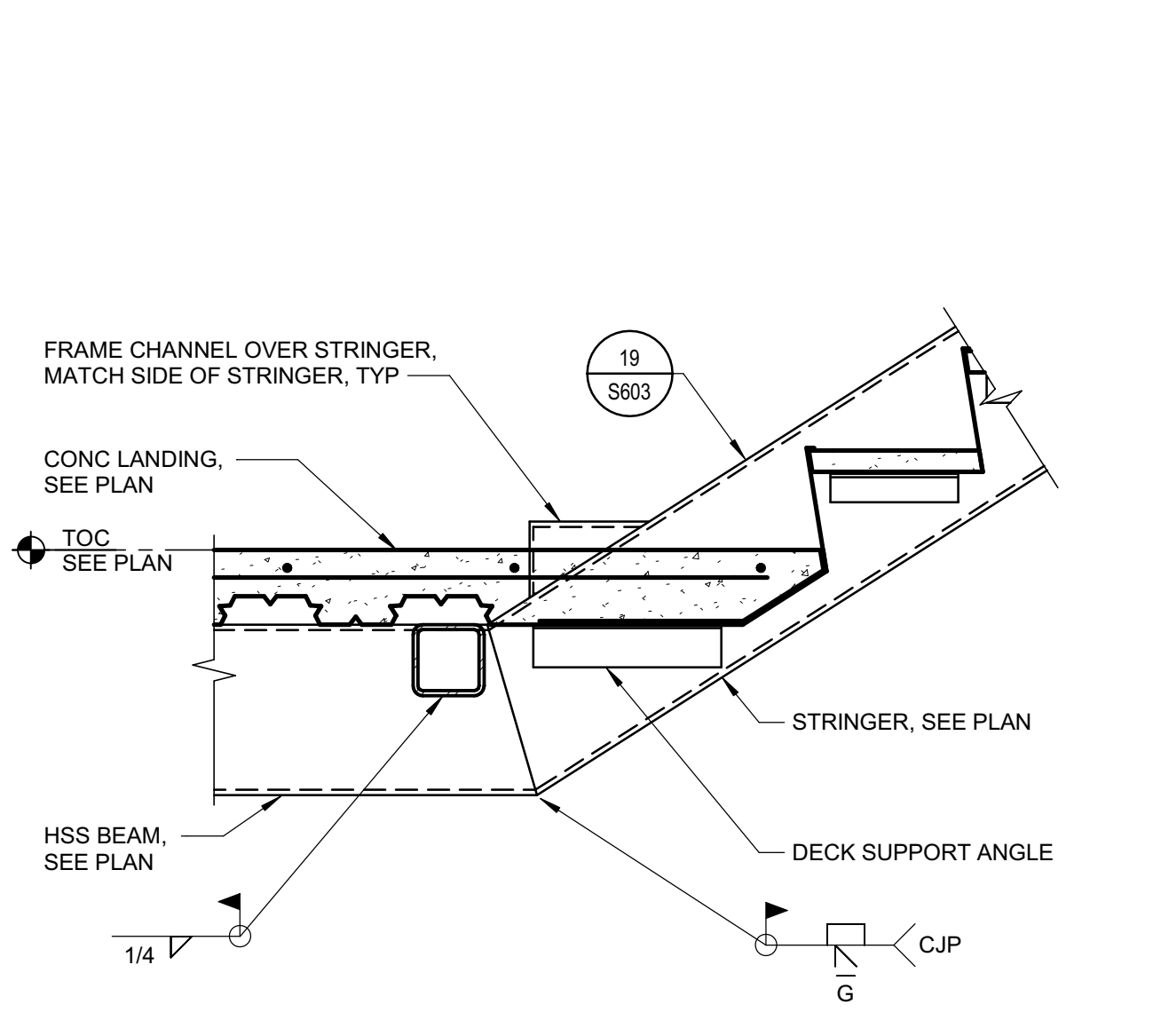
17 DETAIL  
1" = 1'-0"  
S\_055100\_C004A  
140127\_01



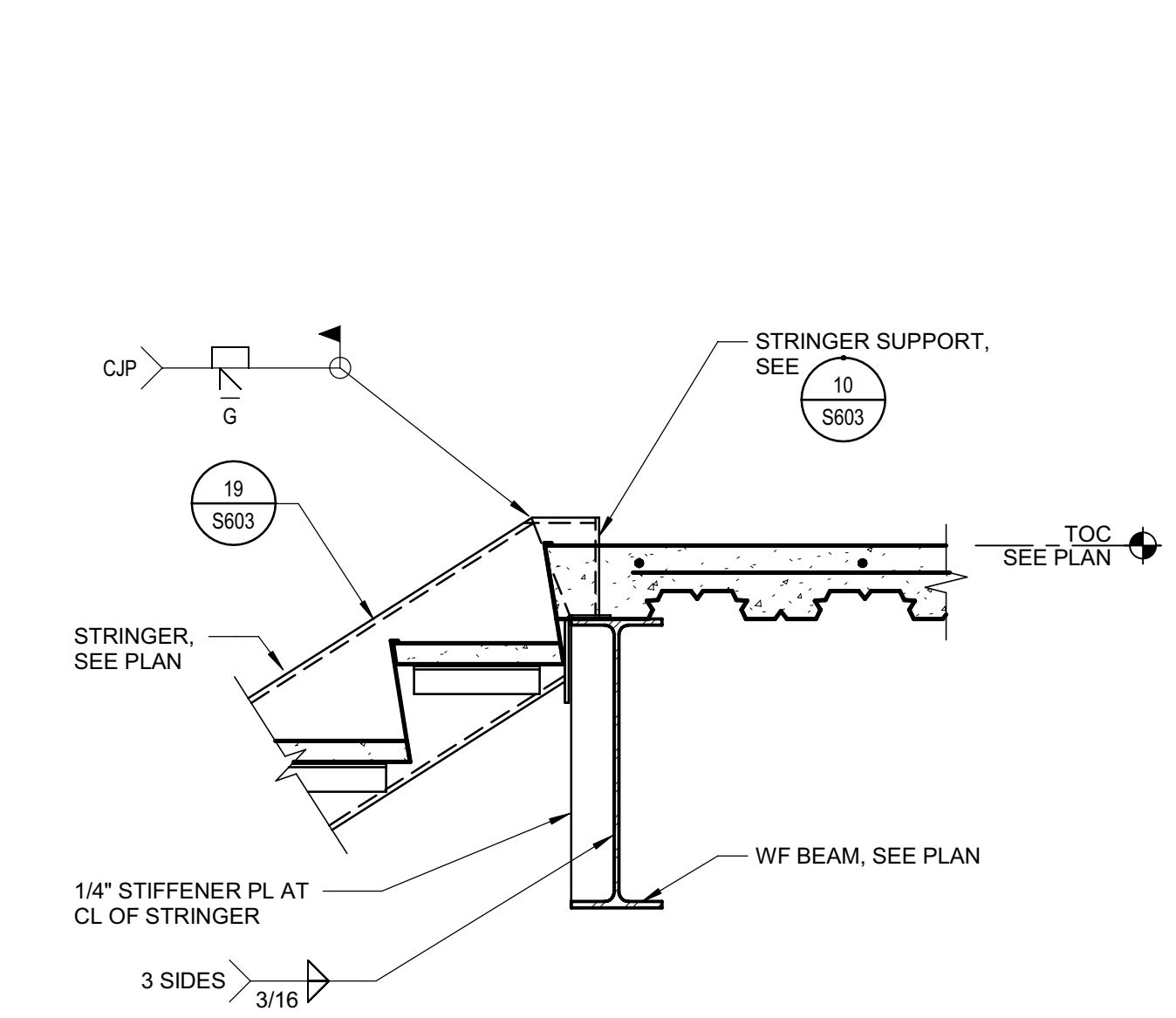
10 STRINGER BEARING SUPPORT  
1" = 1'-0"  
S\_055100\_C011A  
140127\_01



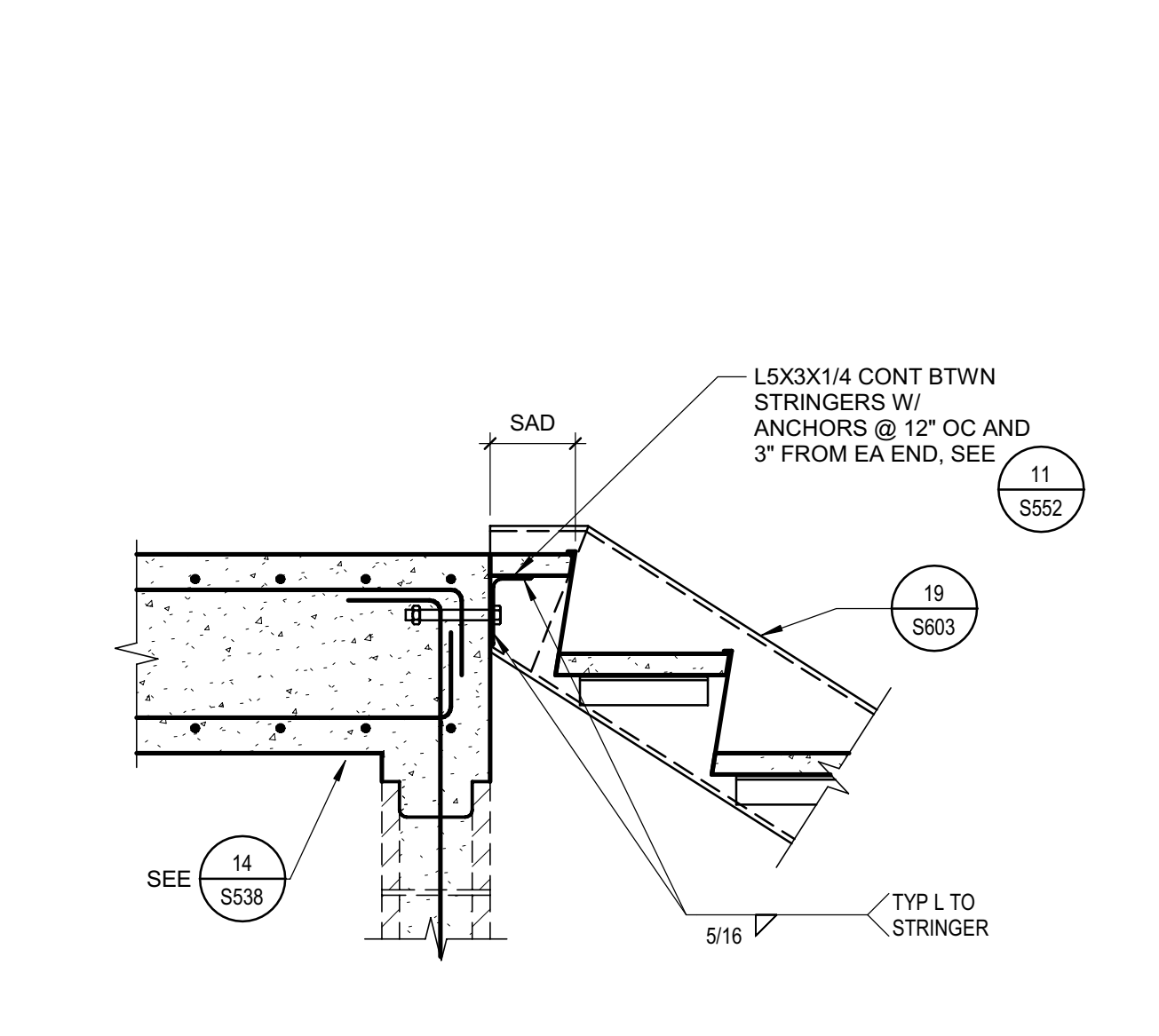
14 STAIR LANDING BEAM CONNECTION  
1" = 1'-0"  
S\_055100\_C014A  
140127\_01



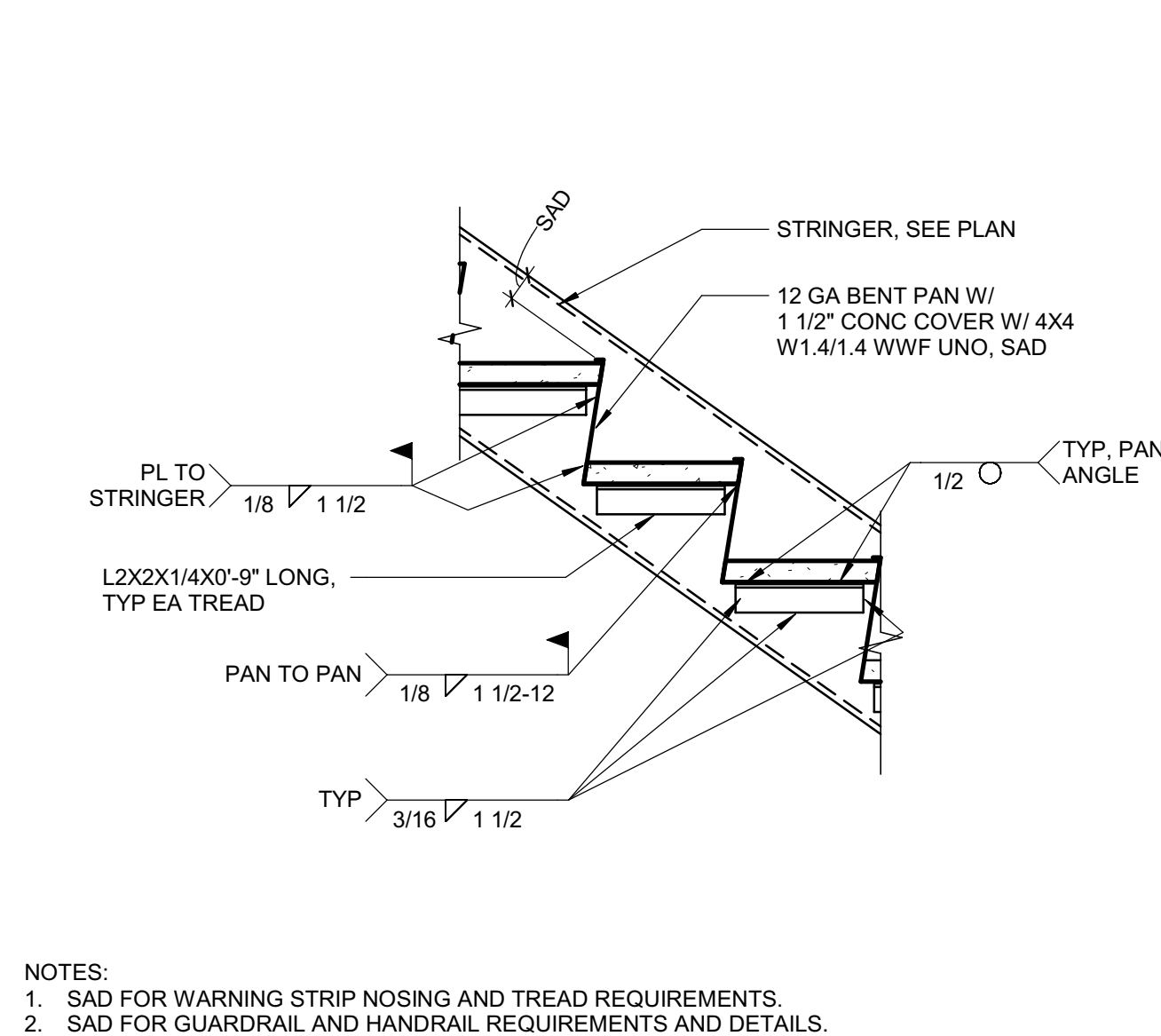
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140127\_01



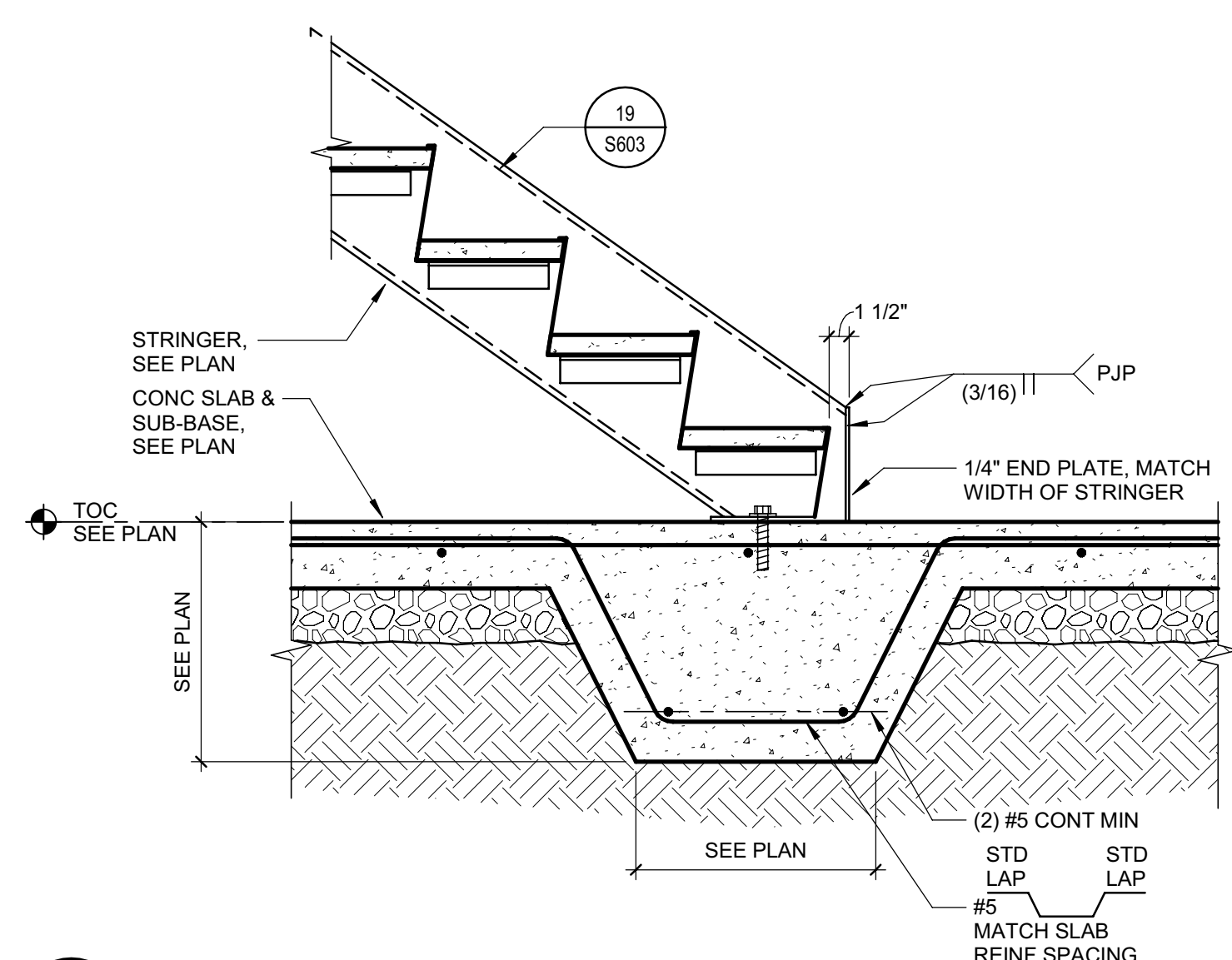
11 STRINGER DOWN AT FLOOR  
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140127\_01



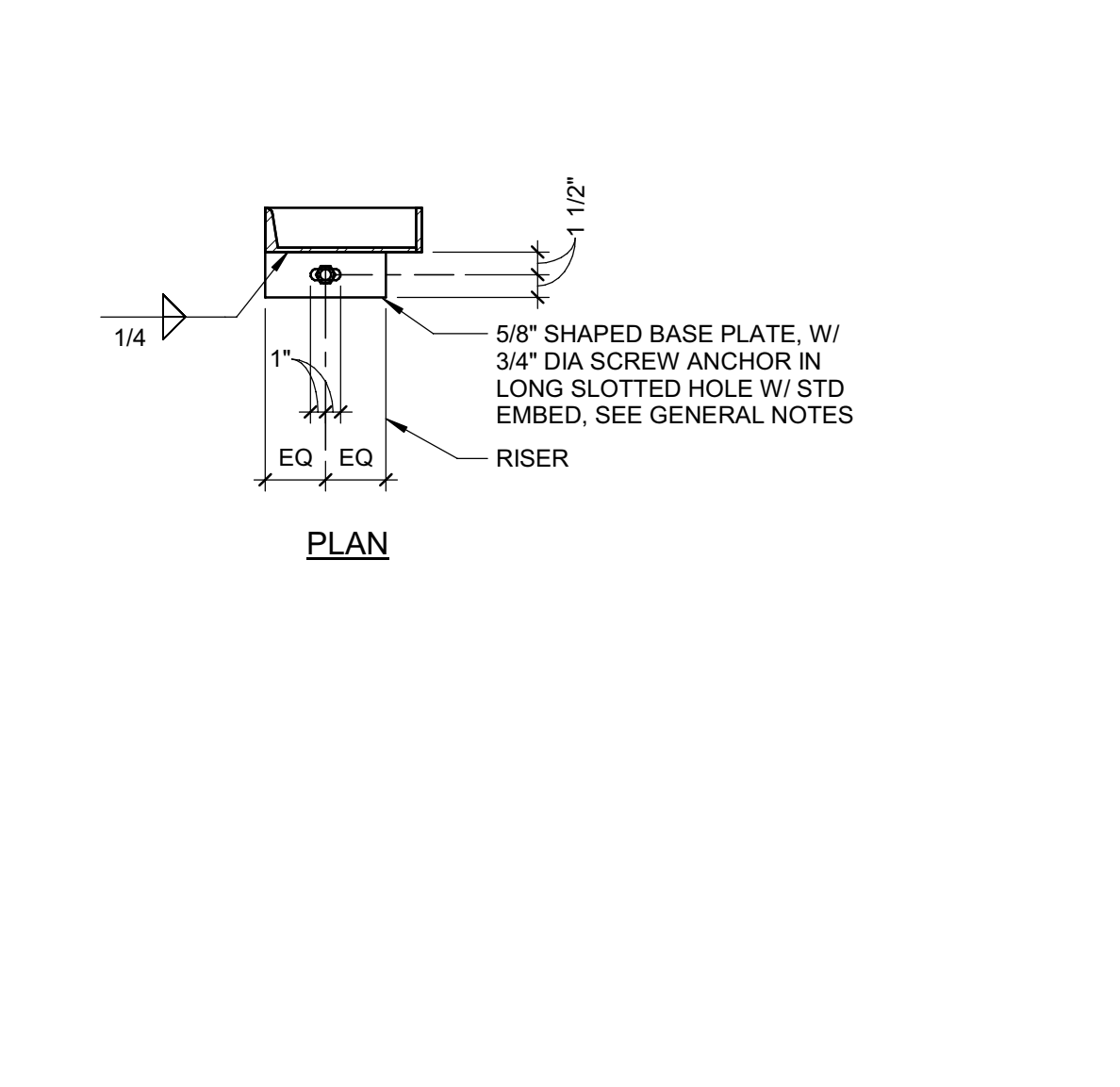
15 STRINGER AT ELEVATED CONC  
1" = 1'-0"  
S\_055100\_C002A  
140127\_01



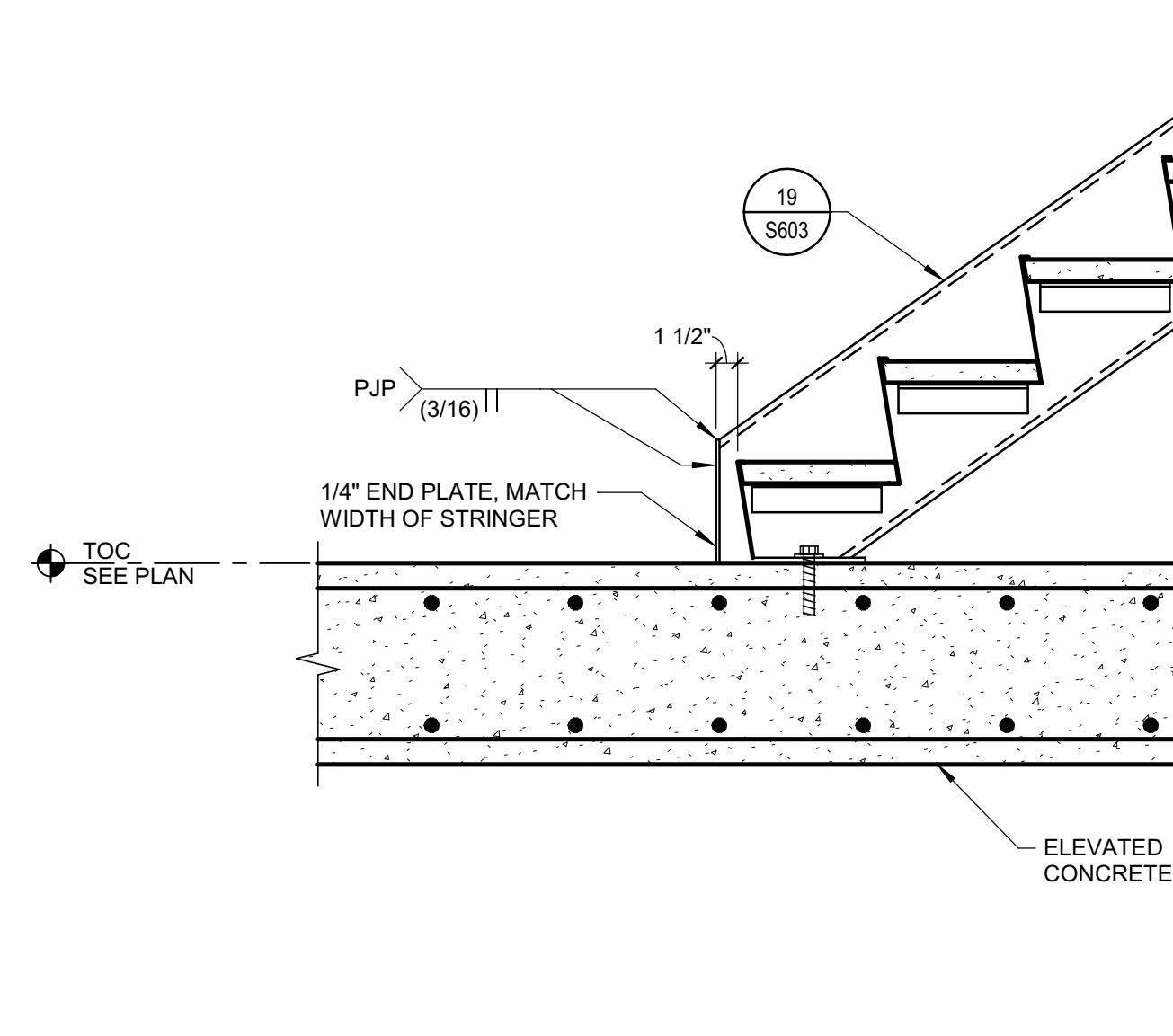
19 TREAD AND RISER  
1" = 1'-0"  
S\_055100\_C014A  
140128\_02



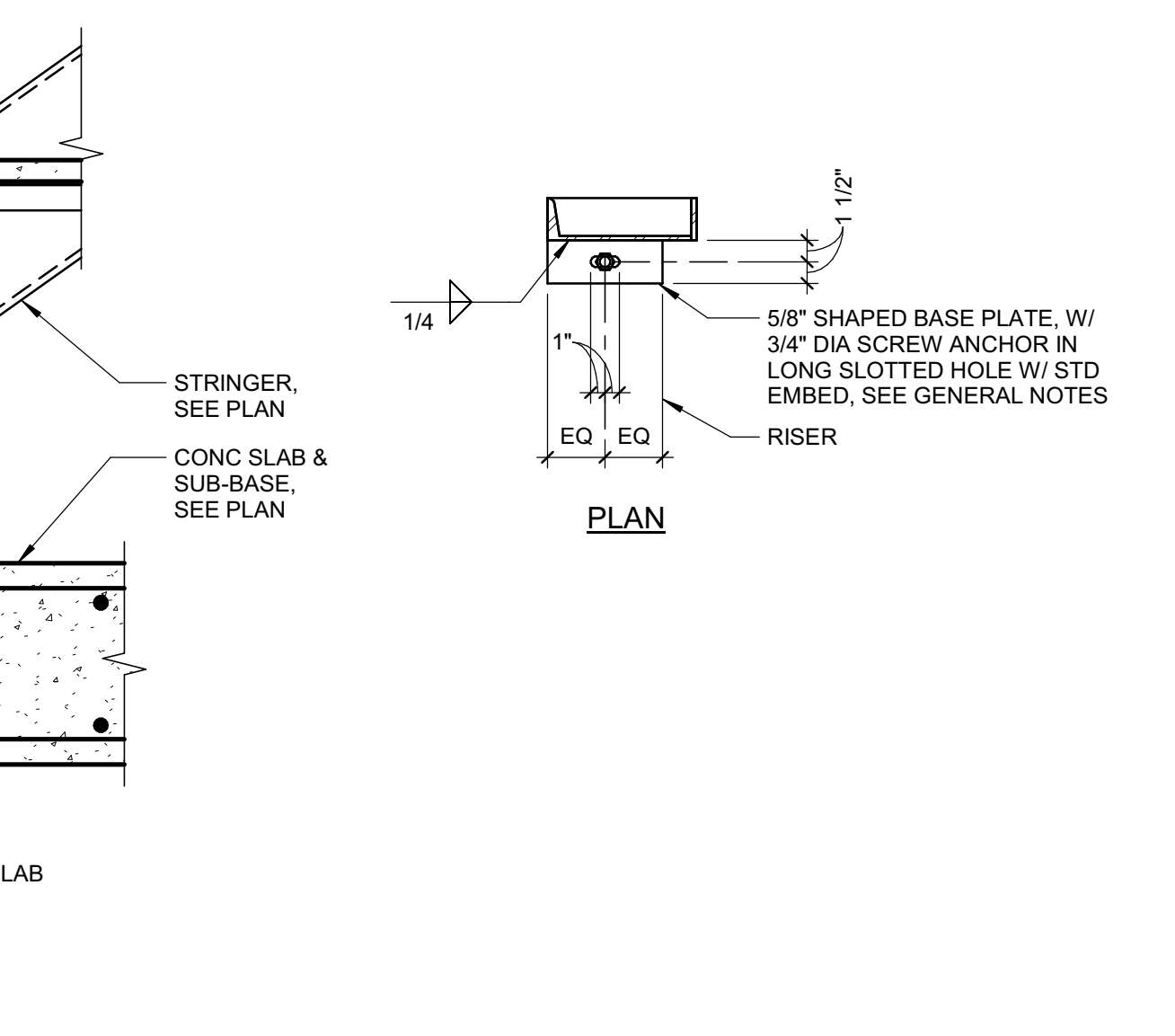
8 STRINGER AT SLAB ON GRADE  
1" = 1'-0"  
S\_055100\_C002A  
140127\_01



16 STRINGER AT ELEVATED CONC  
1" = 1'-0"  
S\_055100\_C002A  
140127\_01



19 TREAD AND RISER  
1" = 1'-0"  
S\_055100\_C014A  
140128\_02



19 TREAD AND RISER  
1" = 1'-0"  
S\_055100\_C014A  
140128\_02



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**HUMBOLDT COUNTY  
COMMUNITY  
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RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**DETAILS - STAIRS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Sym.	Description	Date

Drawn By	Author
Date Issued	07.29.2022
Scale	1" = 1'-0"
Project No.	016205.01

SHEET No.  
**S603 V4**

Plot Date: 9/15/2022 3:27:07 PM  
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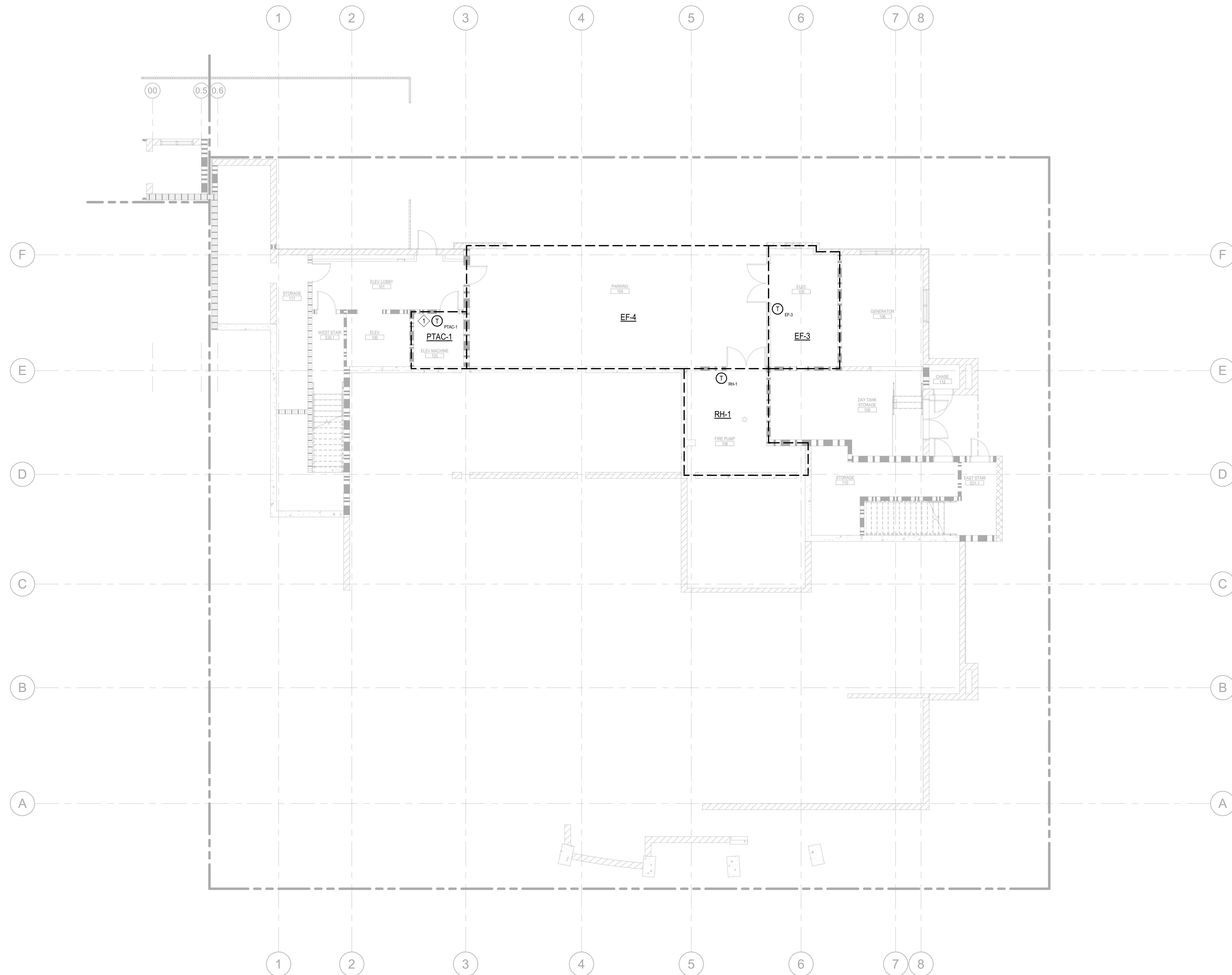






**KEY NOTES:**

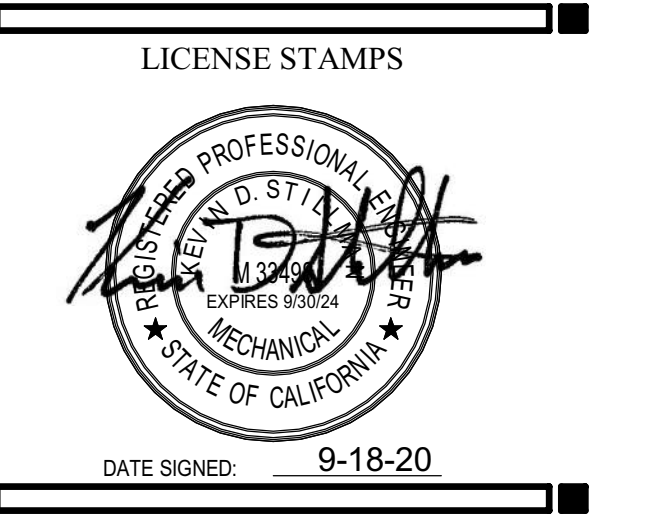
- ① TEMPERATURE SENSOR TO BE INSTALLED BY CONTROLS CONTRACTOR IN ADDITION TO MANUFACTURERS PROVIDED THERMOSTAT. SEE CONTROLS ON SHEET M601.



PLAN NORTH  
**1** HVAC ZONE PLAN - LEVEL 1  
 SCALE: 1/8" = 1'-0"  
 M100



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**HUMBOLDT COUNTY  
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 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**HVAC ZONE PLAN -  
 LEVEL 1**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

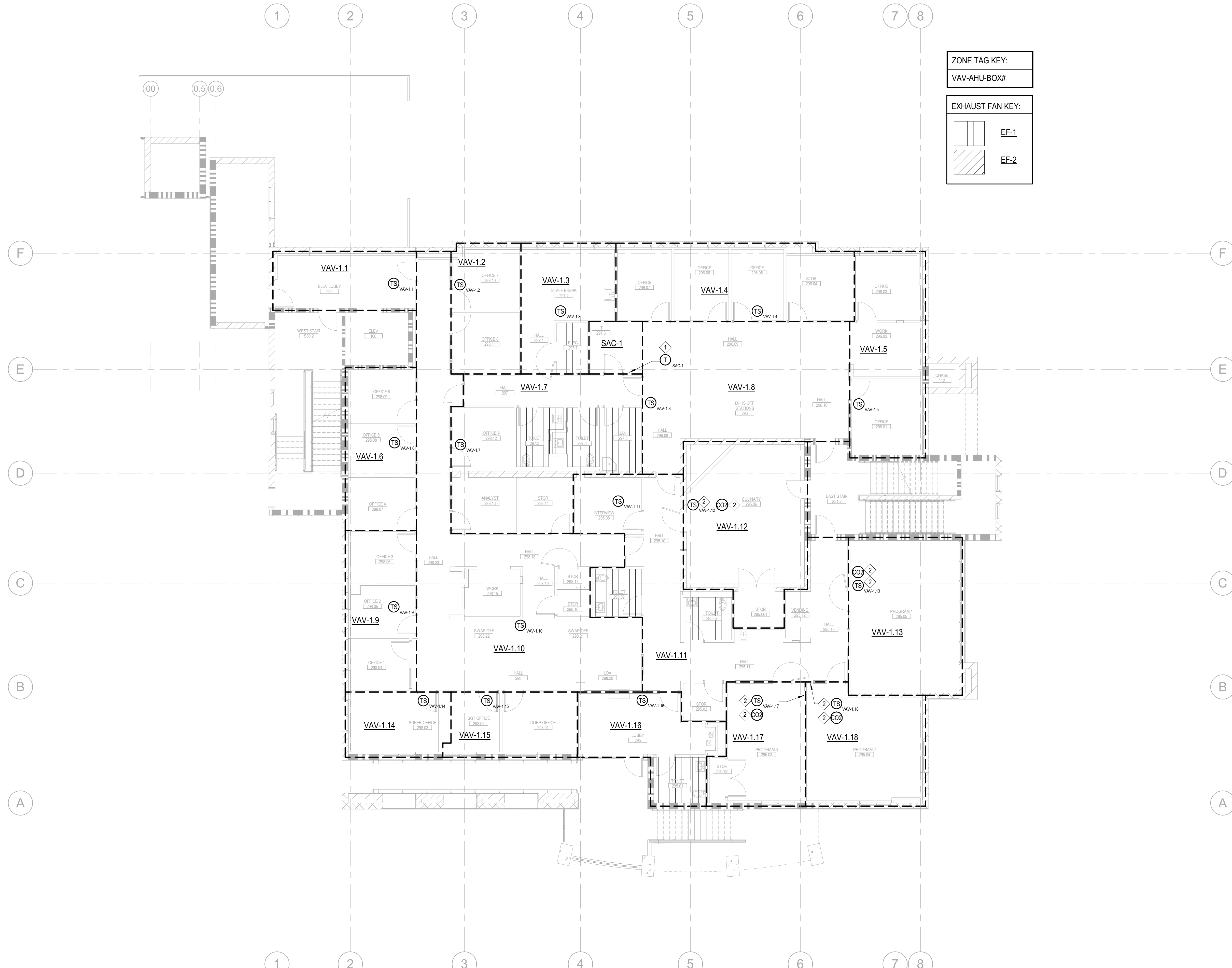
SHEET No.  
**M100 V4**

**SHEET NOTES:**

ALL OCCUPANCY SENSORS SHOWN INDICATE HVAC TIE-IN TO LIGHTING OCCUPANCY SENSORS FO

**KEY NOTES:**

- ① TEMPERATURE SENSOR TO BE INSTALLED BY CONTROLS CONTRACTOR IN ADDITION TO MANUFACTURER'S PROVIDED THERMOSTAT. SEE CONTROLS ON SHEET M601.
- ② PROVIDE TEMPERATURE/CO2 SENSOR WITH METAL WIRE GUARD, FOR PROTECTION AGAINST VANDALISM.



**ZONE TAG KEY:**  
VAV-AHU-BOX#

**EXHAUST FAN KEY:**

	EF-1
	EF-2

PLAN NORTH  
**1**  
 M101  
**HVAC ZONE PLAN - LEVEL 2**  
 SCALE: 1/8" = 1'-0"



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 JD - ISJ/HHC 170324.00  
 P/E - DESIGN TEAM PROJECT NO.

LICENSE STAMPS

DATE SIGNED: 9-18-20

PROJECT NAME  
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**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**HVAC ZONE PLAN -**  
**LEVEL 2**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

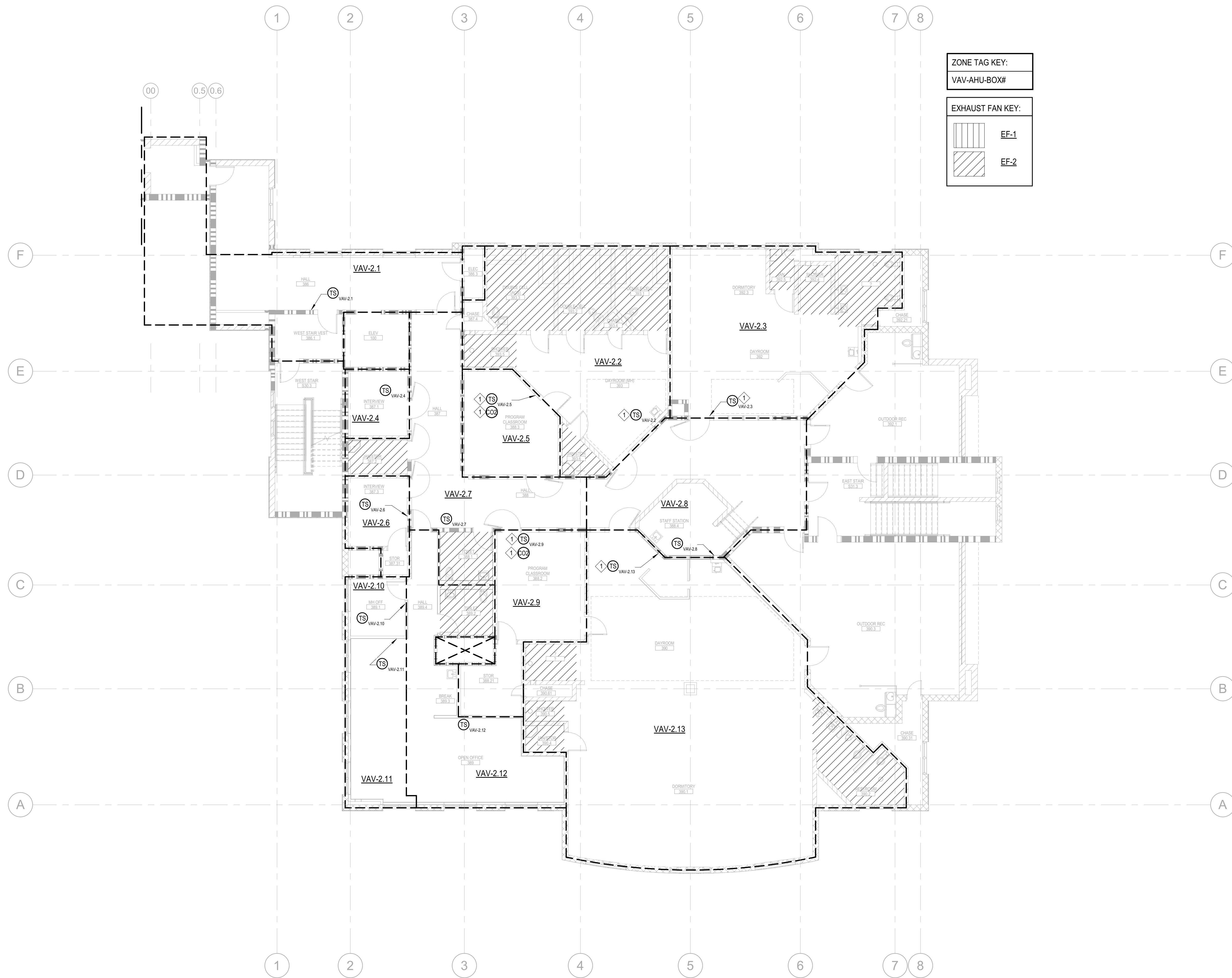
Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**M101 V4**

Plot Date: 9/21/2022 11:36:17 AM  
 Name: L:\event\Local Files\Humboldt\_Rc\_Entry\_MP20\Humboldt\_Rc\_Entry\_MP20.dwg  
 User: jkharnt

**KEYNOTES:**

- 1 PROVIDE TEMPERATURE/CO2 SENSOR WITH METAL WIRE GUARD, FOR PROTECTION AGAINST VANDALISM.



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DATE SIGNED: 9-18-20

PROJECT NAME  
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**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
 HVAC ZONE PLAN -  
 LEVEL 3

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

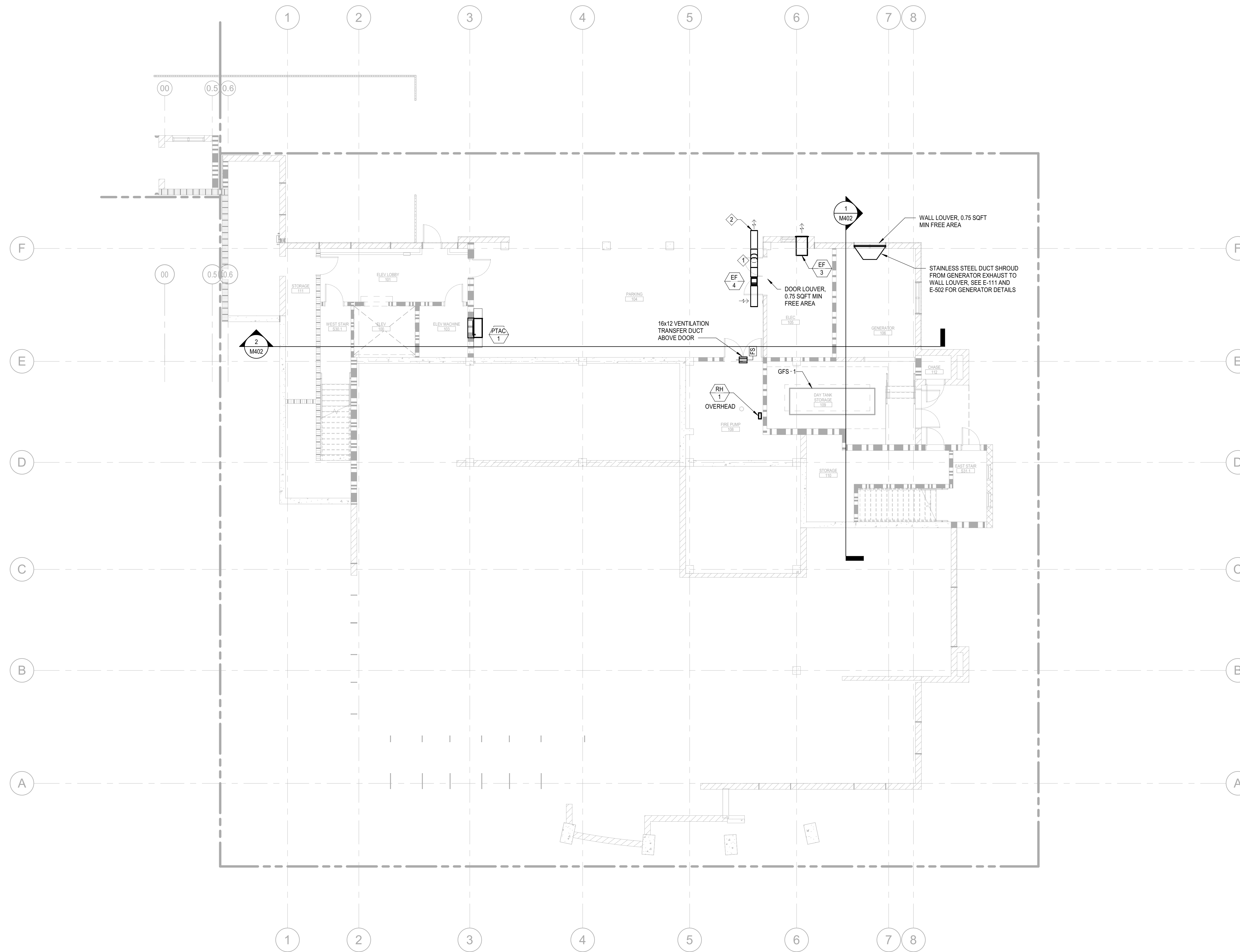
Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**M102 V4**

PLAN NORTH  
**1** HVAC ZONE PLAN - LEVEL 3  
 SCALE: 1/8" = 1'-0"

**KEY NOTES:**

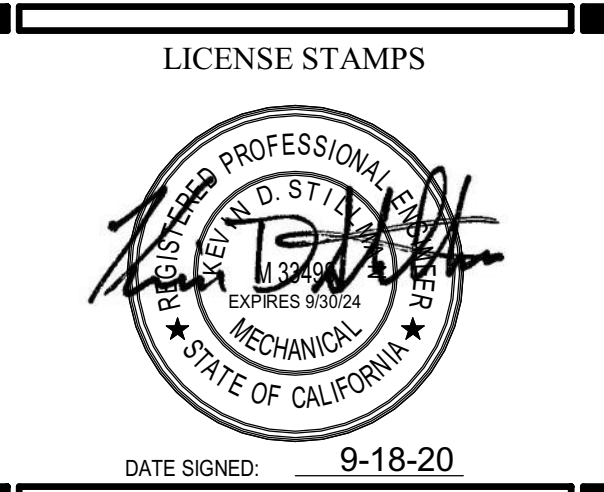
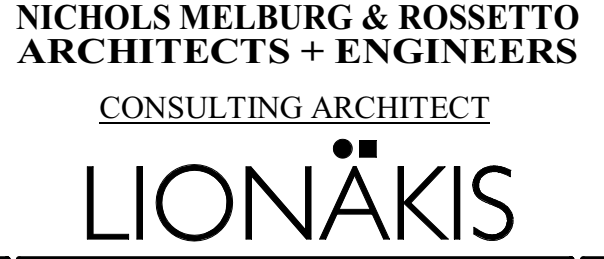
- ① EXHAUST DUCT SYSTEM TO BE CONSTRUCTED WITH STAINLESS STEEL.
- ② ATTACH WIRE MESH SCREEN TO OPEN FACE OF DUCT.



PLAN NORTH  
**1** HVAC PLAN - LEVEL 1  
 M200 SCALE: 1/8" = 1'-0"



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PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
 HVAC PLAN - LEVEL 1

DRAWING STATUS  
 WORKING DRAWINGS

REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**M200 V4**

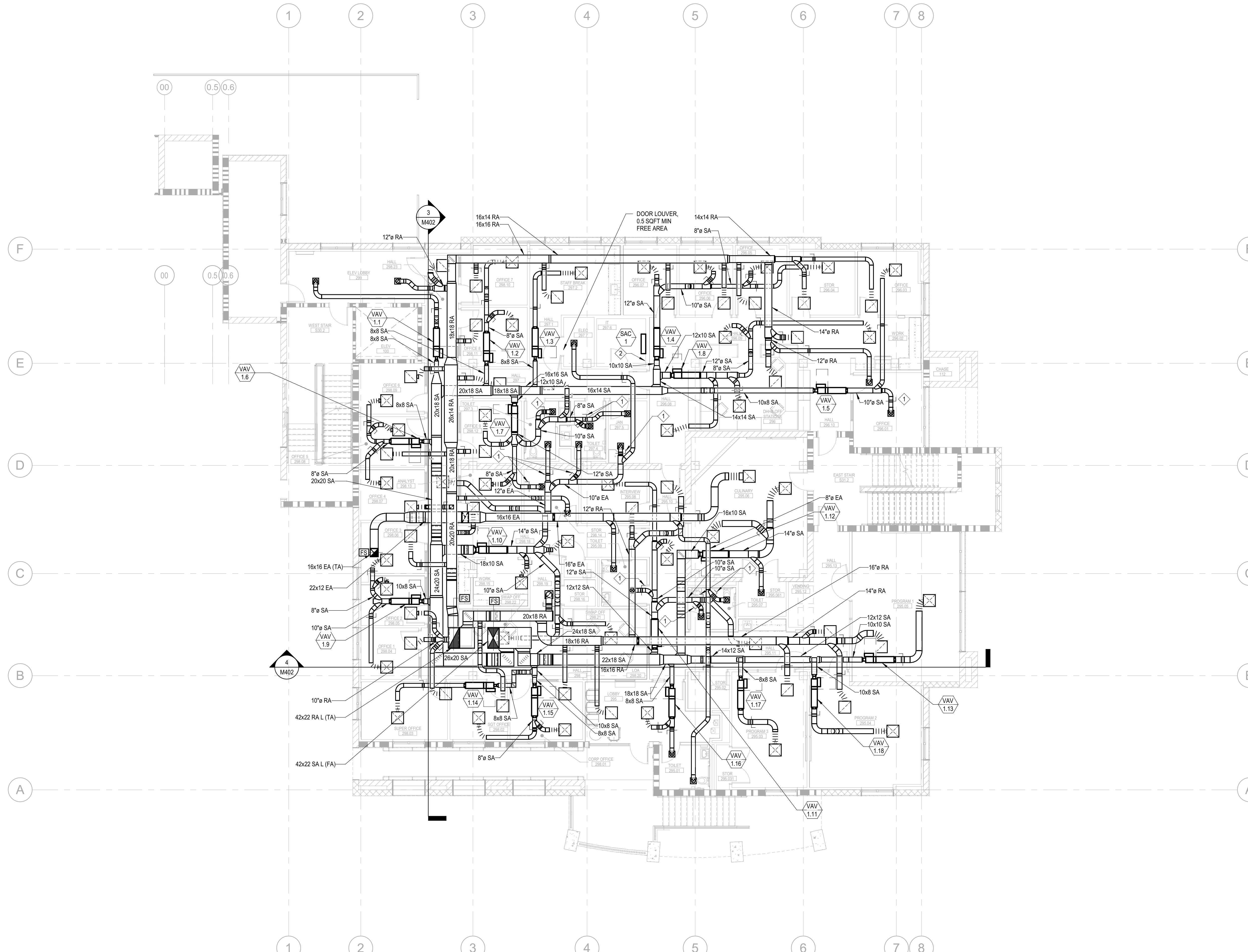
Plot Date: 9/21/2022 11:30:22 AM  
 Name: L:\Revit\Local\Humboldt\_Re\_Entry\_MP20\Humboldt\_Re\_Entry\_MP20.dwg  
 User: jkharnt

**SHEET NOTES:**

- SEE SHEET M211 FOR AIRFLOWS AND REGISTER/GRILLE/DIFFUSER TAGS.

**KEYNOTES:**

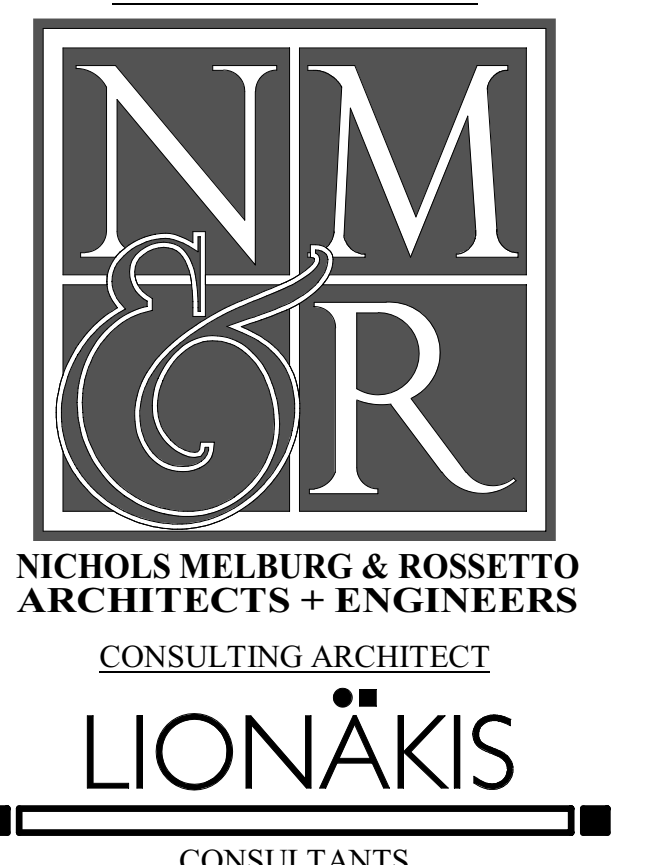
- PROVIDE REMOTE DAMPER REGULATOR FOR DAMPER ABOVE HARD-LID CEILING.
- VAV AND NAE POWER TRANSFORMERS IN IT ROOM 297.6. SEE CONTROLS ON SHEET M601.



PLAN NORTH  
**1** HVAC PLAN - LEVEL 2  
 SCALE: 1/8" = 1'-0"



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SHEET TITLE  
**HVAC PLAN - LEVEL 2**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**M201 V4**

Plot Date: 9/21/2022 11:39:29 AM  
 Name: L:\Revit Local Files\Humboldt\_Re\_Entry\_MP20\Humboldt\_Re\_Entry\_MP20\_djw.rvt

# SHEET NOTES:

- 1. SEE SHEET M212 FOR AIRFLOWS AND REGISTER/GRILLE/DIFFUSER TAGS.

# KEYNOTES:

- 1. PROVIDE REMOTE DAMPER REGULATOR FOR DAMPER ABOVE HARD-LID CEILING.



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DATE SIGNED: 9-18-20

PROJECT NAME

**HUMBOLDT COUNTY  
 COMMUNITY  
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 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
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SHEET TITLE

HVAC PLAN - LEVEL 3

DRAWING STATUS

WORKING DRAWINGS

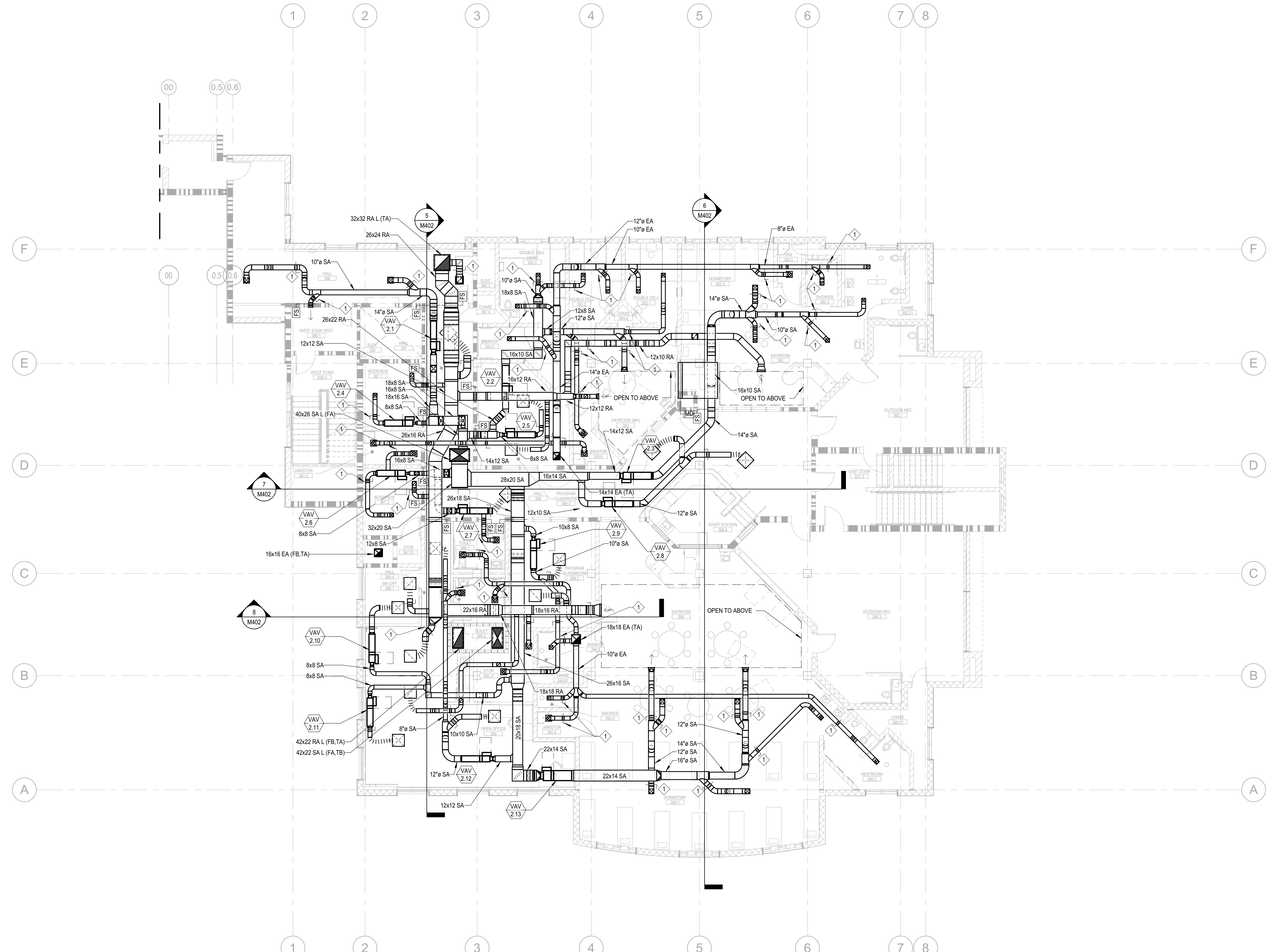
REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.

**M202 V4**



PLAN NORTH  
**1 M202**  
**HVAC PLAN - LEVEL 3**  
 SCALE: 1/8" = 1'-0"

Plot Date: 10/4/2022 10:03:13 AM  
 Name: C:\pwork\Local Files\Humboldt\_Re\_Entry\_M202\Humboldt\_Re\_Entry\_M202\_1.dwg

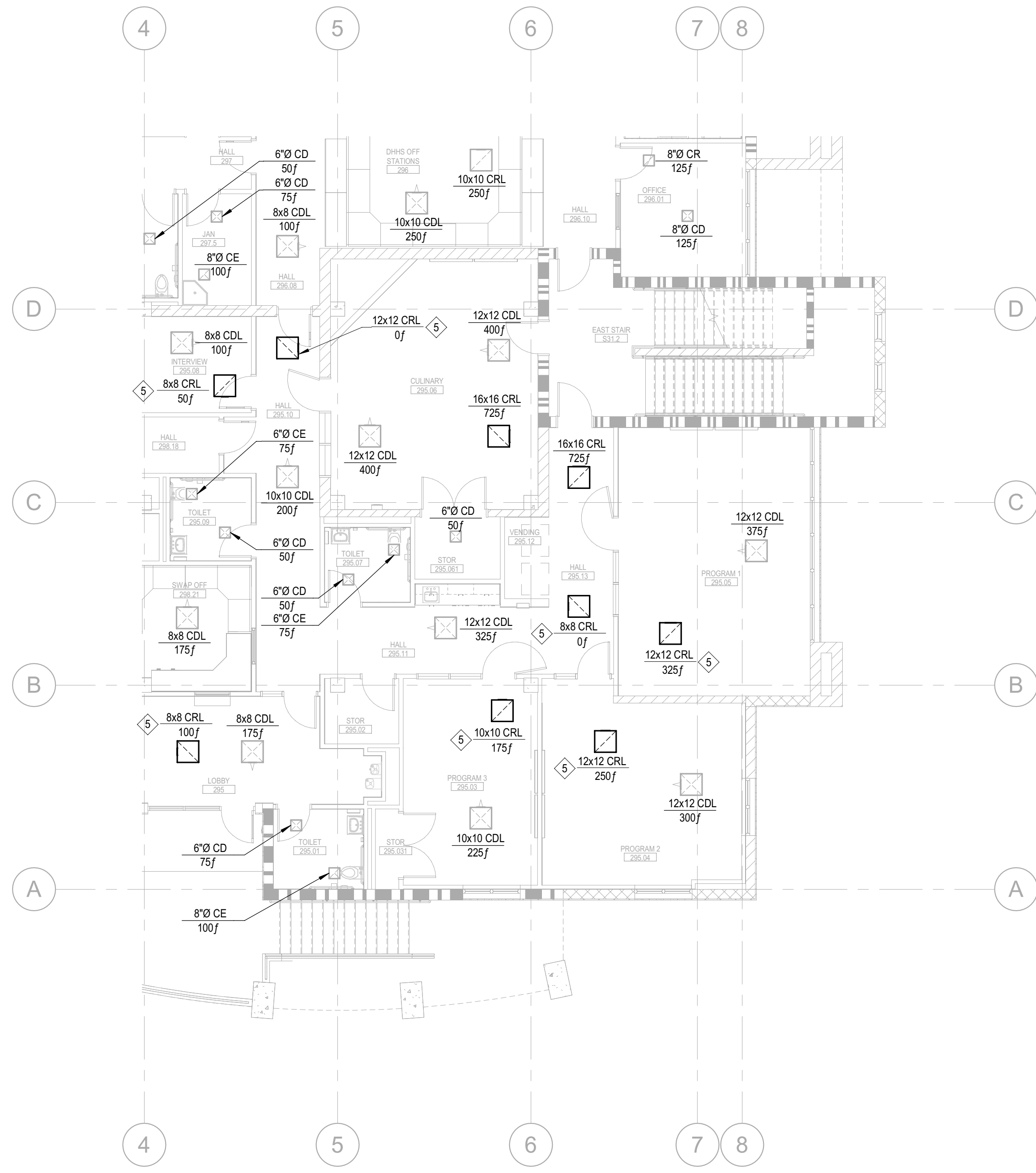
**KITCHEN EXHAUST FAN SCHEDULE (ADD ALT)**

EQUIPMENT TAG	TYPE	UNIT #	MANUFACTURER	MODEL	LOCATION	CFM	ESP [IN. W.G.]	FAN RPM	BHP	HP	VOLT / PH	OPER WT [LBS]	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
KEF	1		GREENHECK	CUE-161HP-VG	NORTH LOW ROOF	1,575	1.00	1278	0.45	1/2	115V1	120	6M202A	9/M601 1,2,3	

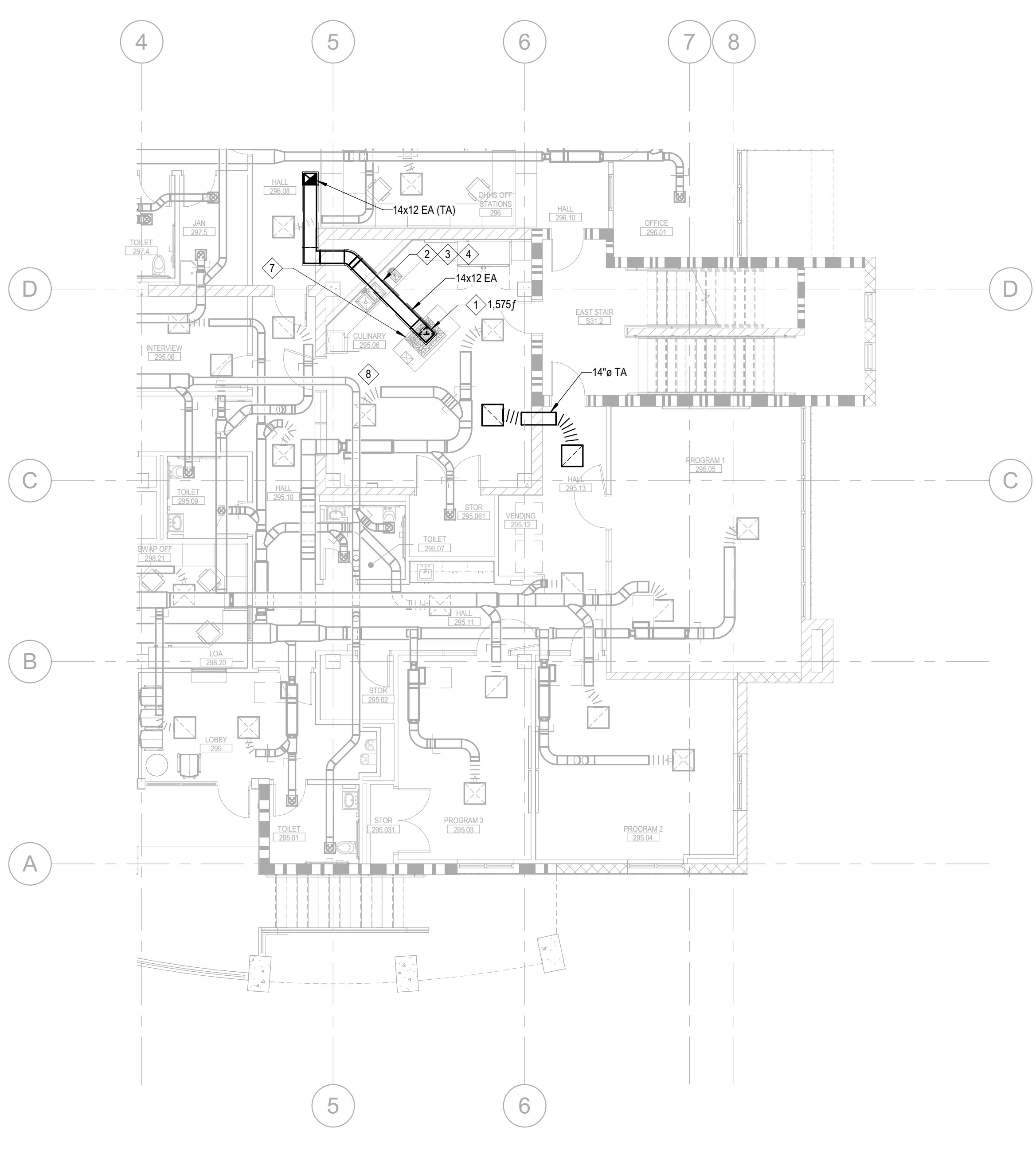
- NOTES:  
 1. PROVIDE WITH MANUFACTURER'S 2" ROOF CURB, SLOPED AS NECESSARY TO MATCH ROOF STRUCTURE AND PROVIDE LEVEL MOUNTING SURFACE.  
 2. PROVIDE WITH BACKDRAFT DAMPER AND ALUMINUM GALVANIZED BIPO SCREEN.  
 3. FAN SYSTEM SHALL BE UL-762 LISTED FOR REMOVAL OF SMOKE AND GREASE-LADEN EXHAUST VAPORS FROM COMMERCIAL COOKING EQUIPMENT.

**KEYNOTES:**

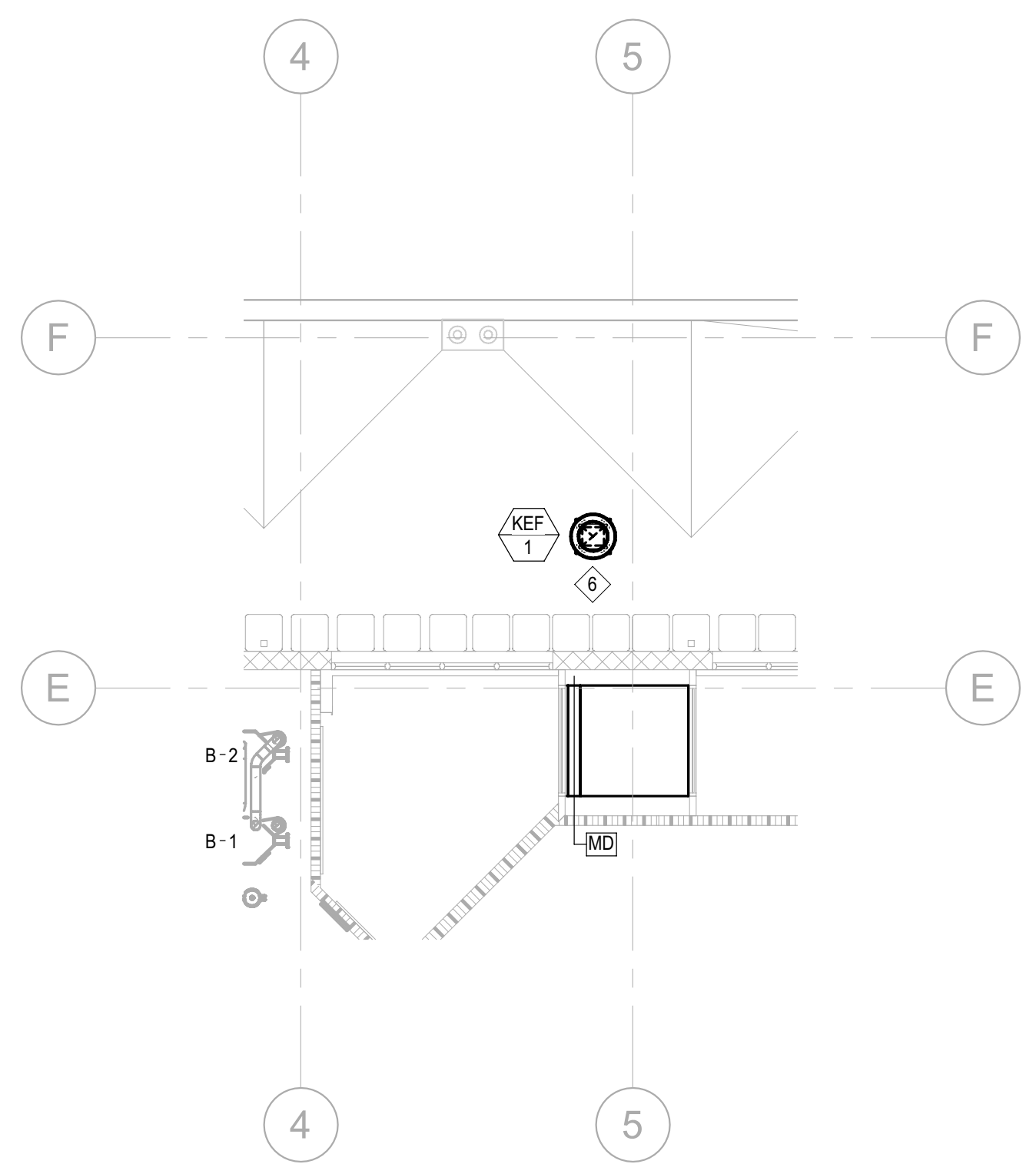
- ① EA DUCT CONNECTION TO KITCHEN EXHAUST HOOD.
- ② PROVIDE CONTINUOUS UL-LISTED GREASE DUCT WRAP ASSEMBLY IN ACCORDANCE WITH 2019 CMC 510.7. SPECIFICATION SECTION 23 80.00, AND DETAIL SW202A. DUCT WRAP SHALL EXTEND TO TOP OF HOOD TO PROVIDE CONTINUOUS COVERAGE FROM THE POINT OF CEILING PENETRATION PER 2019 CMC 507.4.
- ③ ALL HORIZONTAL GREASE DUCT SHALL BE INSTALLED WITH MINIMUM 1/4" PER FOOT SLOPE BACK TOWARDS HOOD CONNECTION.
- ④ PROVIDE OPENINGS FOR INSPECTION AND CLEANING IN HORIZONTAL GREASE DUCT IN ACCORDANCE WITH 2019 CMC 510.3. OPENINGS IN LISTED DUCT WRAP ASSEMBLY SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S LISTED INSTALLATION INSTRUCTIONS.
- ⑤ ADJUSTED RETURN AIRFLOW WHEN EXHAUST HOOD IS ACTIVATED, FOR AIRFLOW WHEN EXHAUST HOOD IS NOT RUNNING, SEE M211.
- ⑥ MAINTAIN A MINIMUM 5' OF HORIZONTAL CLEARANCE FROM THE FAN HOUSING TO THE EXTERIOR WALLS PER 2019 CMC 510.9.1(2).
- ⑦ PROVIDE "STREAVOR AIR SYSTEMS" TYPE I EXHAUST HOOD MODEL SFL-R 200 54 43 30 OR EQUAL, 603 B'S. PROVIDE "STREAVOR AIR SYSTEMS" FIRE SUPPRESSION SYSTEM MODEL HUCPRYO-CHEM KITCHEN KNIGHT II OR EQUAL.
- ⑧ CULINARY ROOM GENERAL EXHAUST DUCT AND GRILLE REMOVED FROM BASE BID IN THIS ADD ALT.



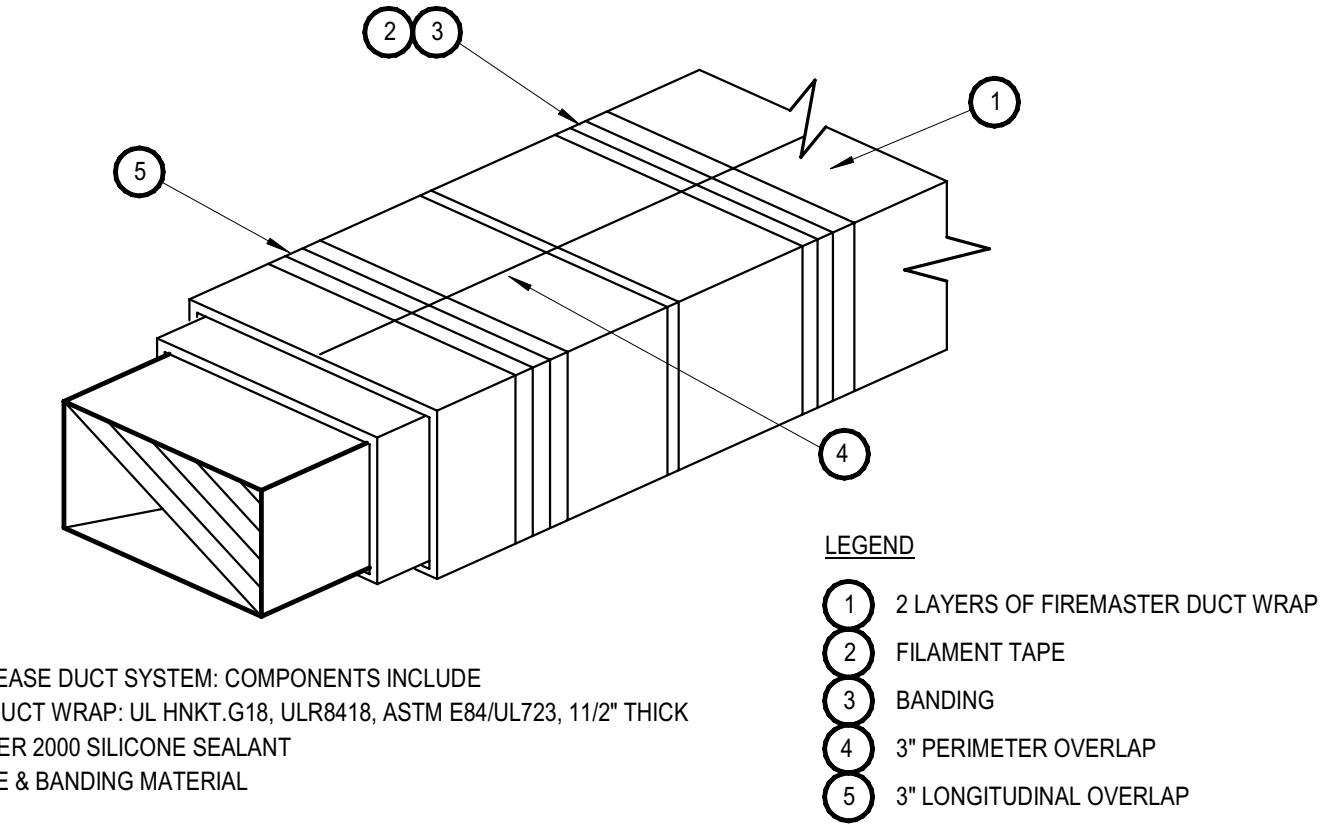
**1 HVAC AIRFLOW PLAN - LEVEL 2 - ADD ALT**  
 SCALE: 1/8" = 1'-0"



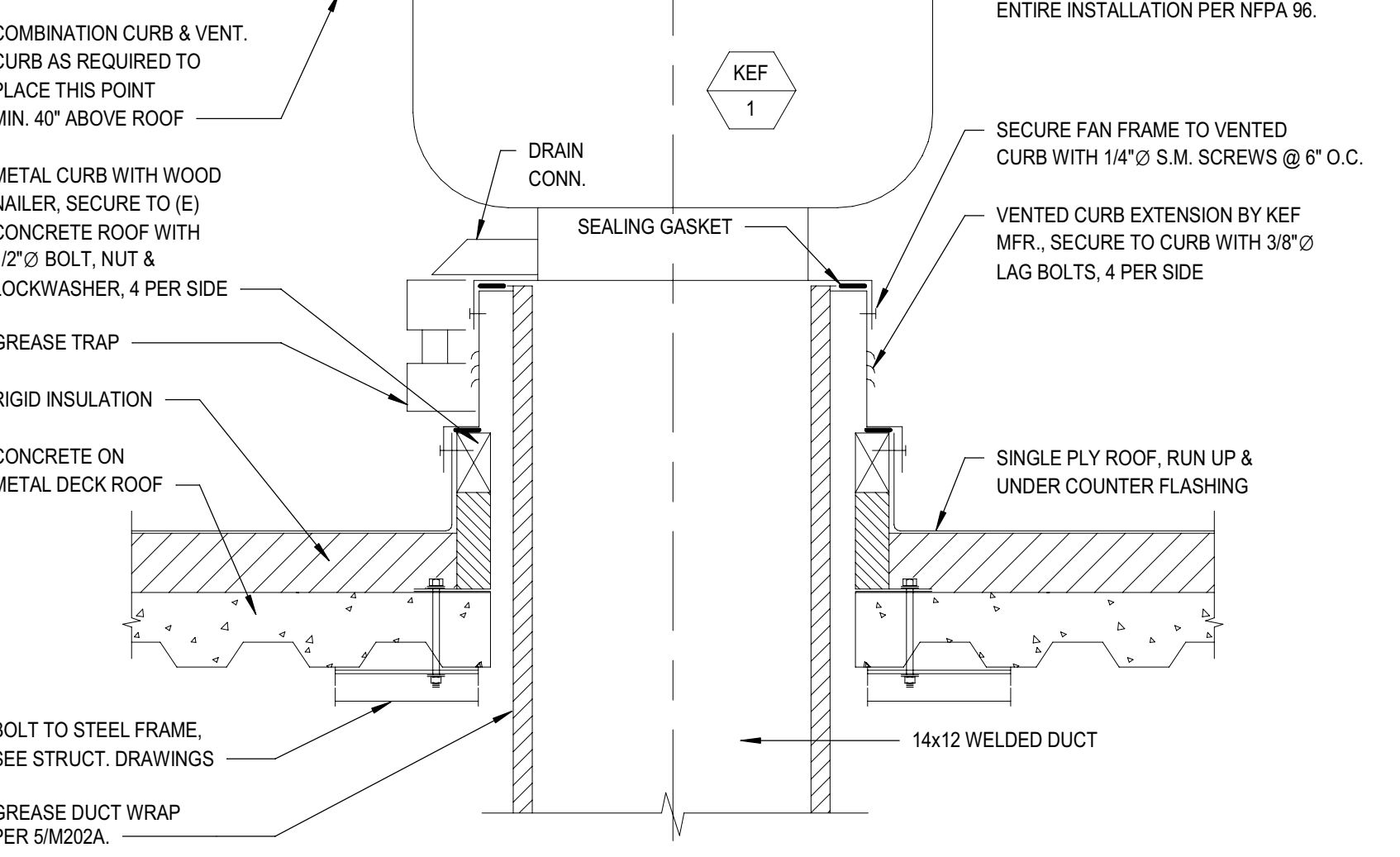
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 SCALE: 1/8" = 1'-0"



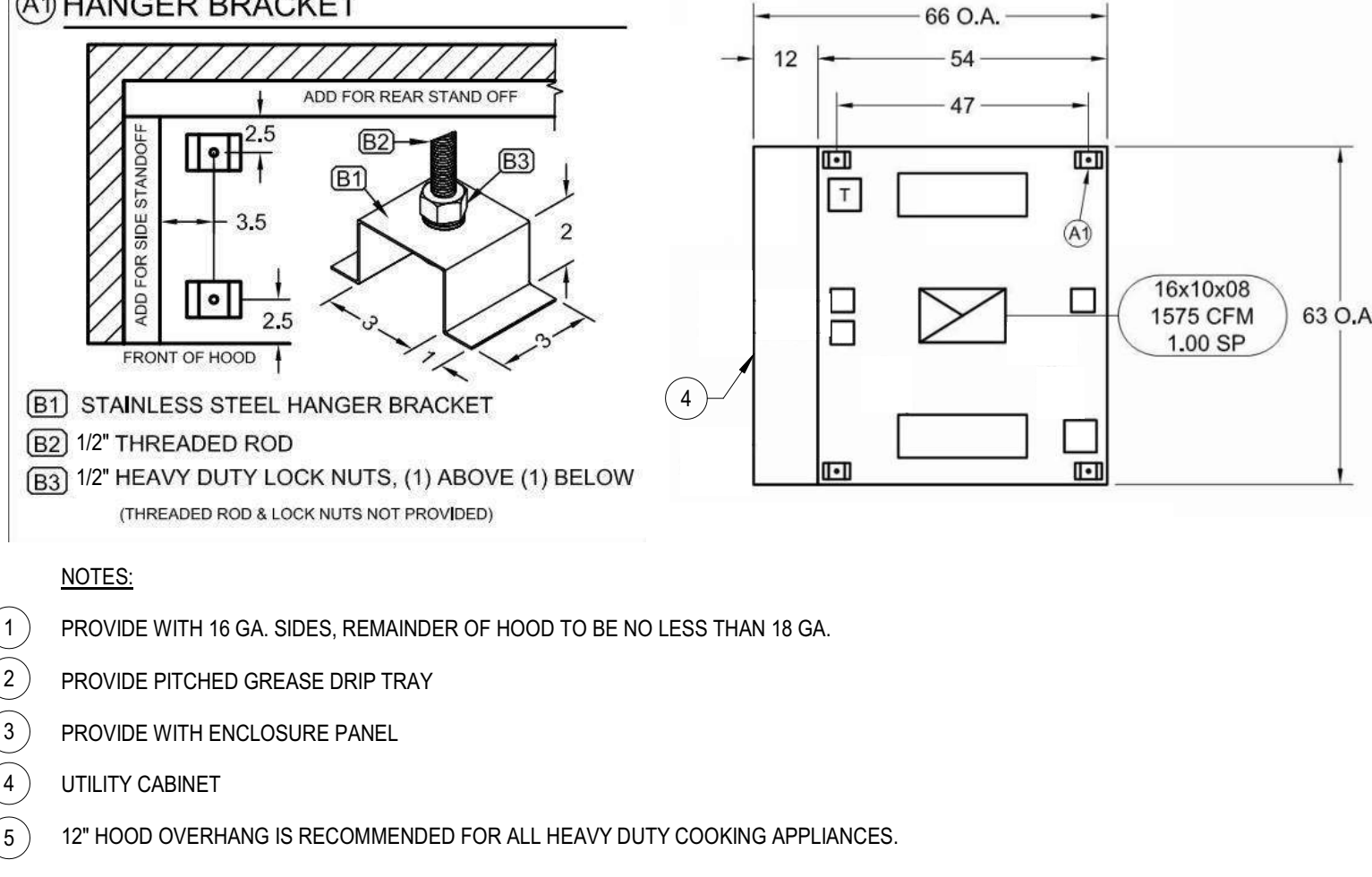
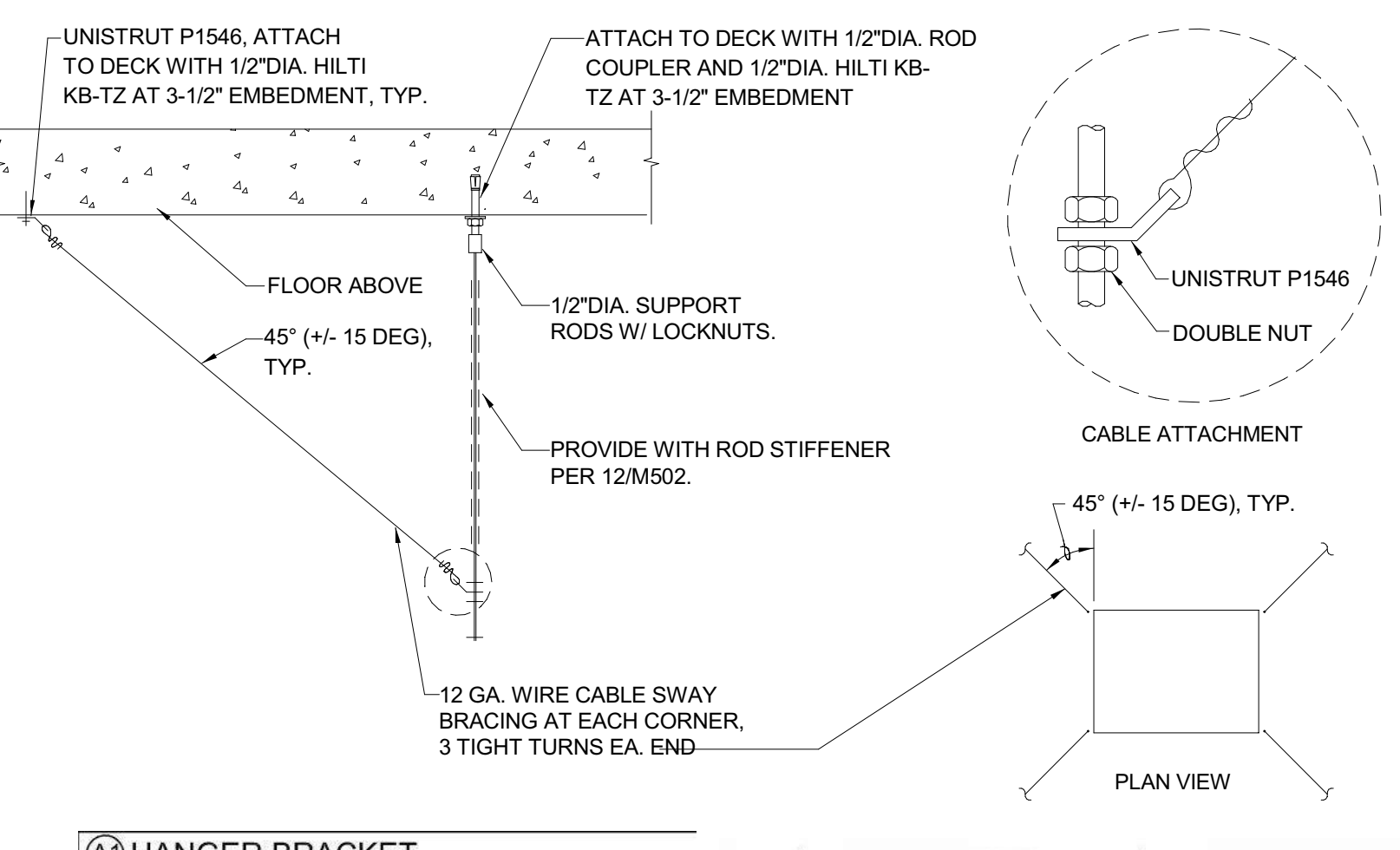
**4 HVAC PLAN - LEVEL 4 PH - ADD ALT**  
 SCALE: 1/8" = 1'-0"



**5 GREASE DUCT WRAP**  
 SCALE: NONE



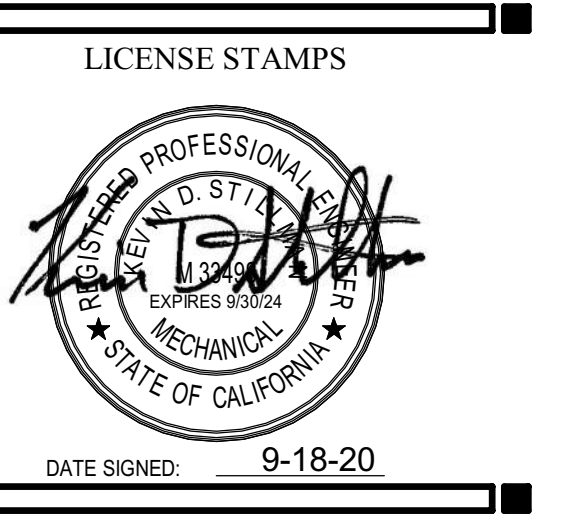
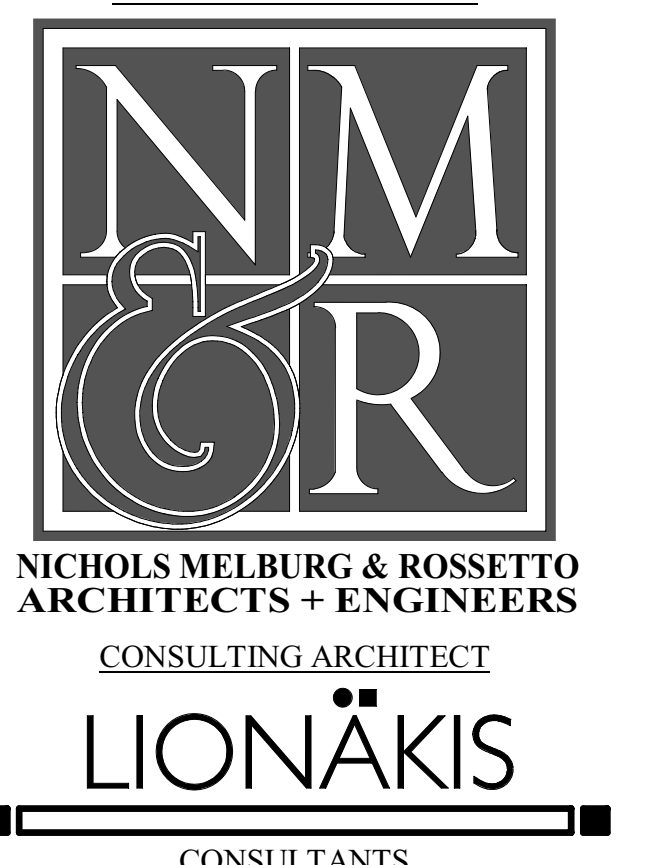
**6 ROOF EXHAUST FAN MOUNTING**  
 SCALE: NONE



**7 EXHAUST HOOD MOUNTING**  
 SCALE: NONE



Approval of this plan book is authorized or approved by the State Fire Marshal. Approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**CULINARY CLASSROOM ADDITIVE ALTERNATE - HVAC**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

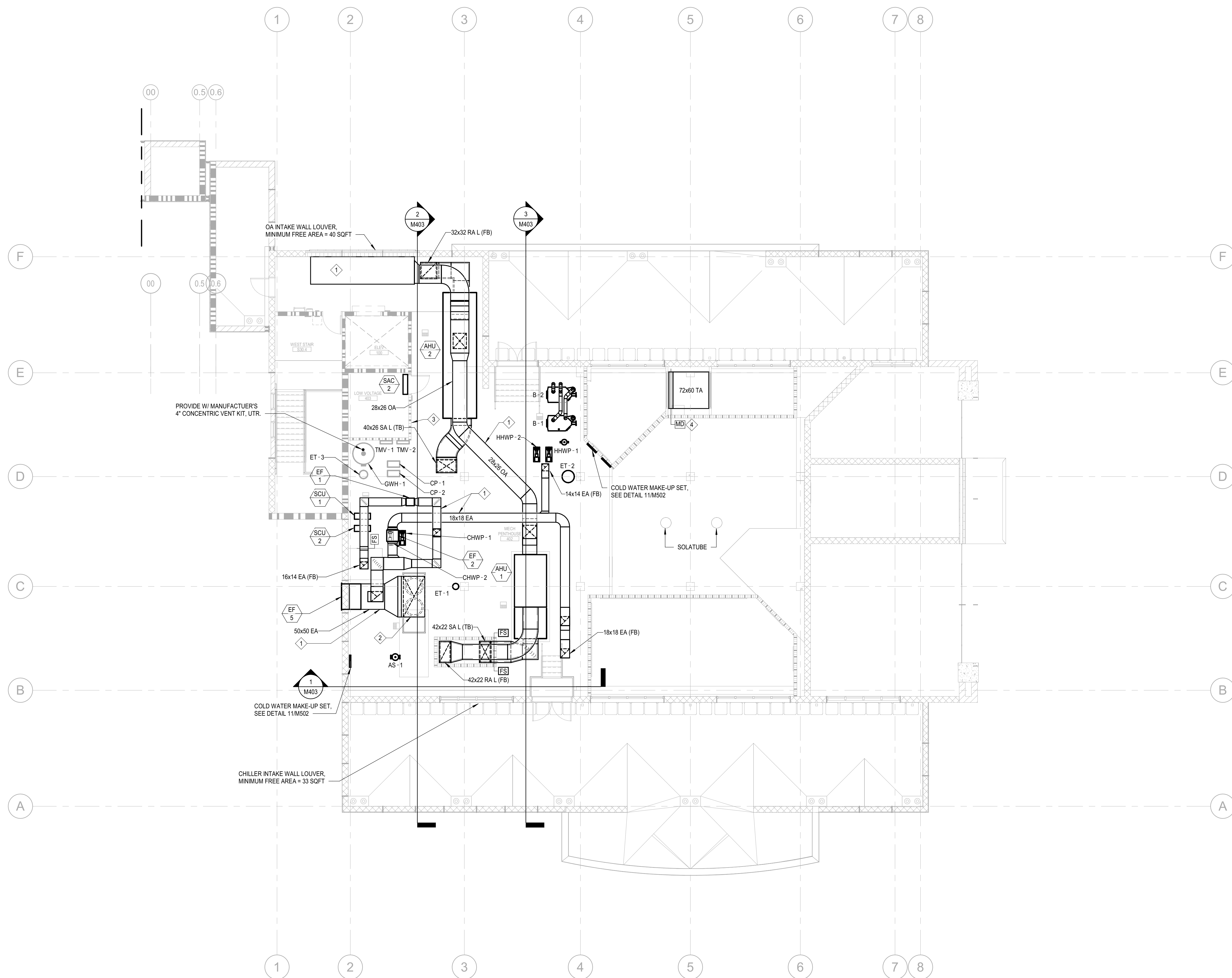
Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**M202A V4**



**KEY NOTES:**

- ① DUCT TO BE CONSTRUCTED WITH STAINLESS STEEL FROM THE INTAKE/EXHAUST LOUVER TO THE ATTACHED EQUIPMENT (AHU, EF, OR CH).
- ② PROVIDE 24"X24" DUCT ACCESS DOOR TO ALLOW CHILLER COIL CLEANING ACCESS.
- ③ CONTROLLER PANEL POWER TRANSFORMER IN PENTHOUSE 402. SEE CONTROLS ON SHEET M661.
- ④ MOTORIZED CONTROL DAMPER IN TRANSFER AIR DUCT, BEHIND ARCHITECTURAL LOUVER. DAMPER SHALL OPEN UPON FIRE ALARM ACTIVATION. SEE SHEETS E-114 AND EF-114.



PLAN NORTH  
**1** HVAC PLAN - LEVEL 4 PH  
 SCALE: 1/8" = 1'-0"



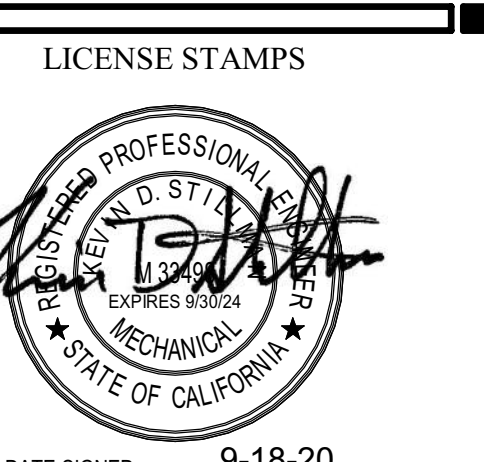
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CONSULTANTS  
**LIONAKIS**



ENGINEERING CONSULTANTS, INC.  
 RANCHO CONCORDIA, CALIFORNIA  
 JD - ISJ/HH/C 170324.00  
 PH - DESIGN TEAM PROJECT INC.



DATE SIGNED: 9-18-20  
 PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**HVAC PLAN - LEVEL 4  
 PH**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

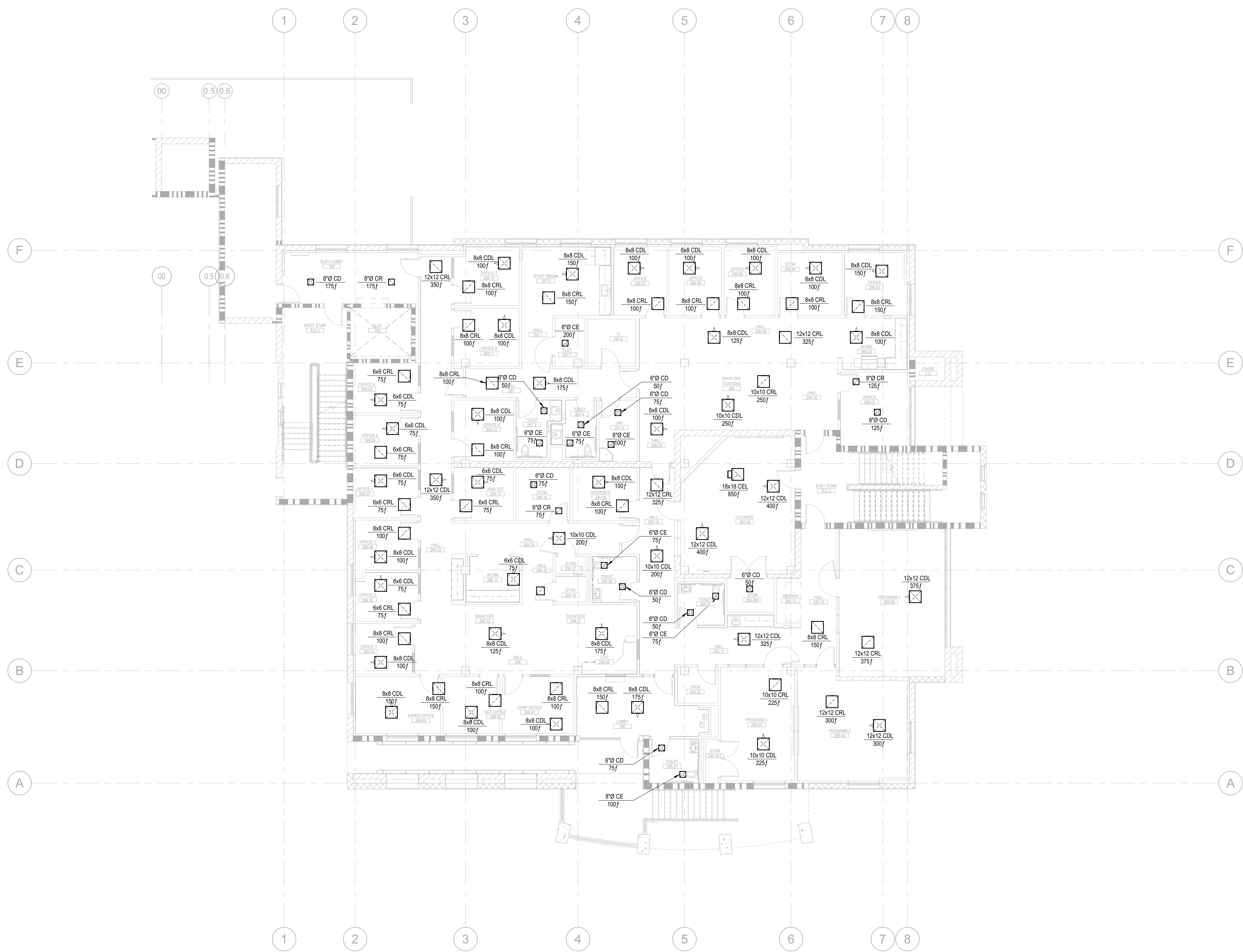
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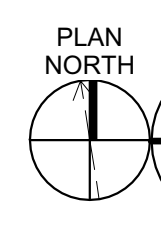
Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
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 User: jkharnt




PLAN NORTH  

**1**  
**M211** HVAC AIRFLOW PLAN - LEVEL 2  
 SCALE: 1/8" = 1'-0"



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**NICHOLS MELBURG & ROSSETTO**  
 ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT  
**LIONAKIS**  
 CONSULTANTS

  
**CAPITAL**  
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 DATE SIGNED: 9-18-20

PROJECT NAME  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**HVAC AIRFLOWS -**  
**LEVEL 2**

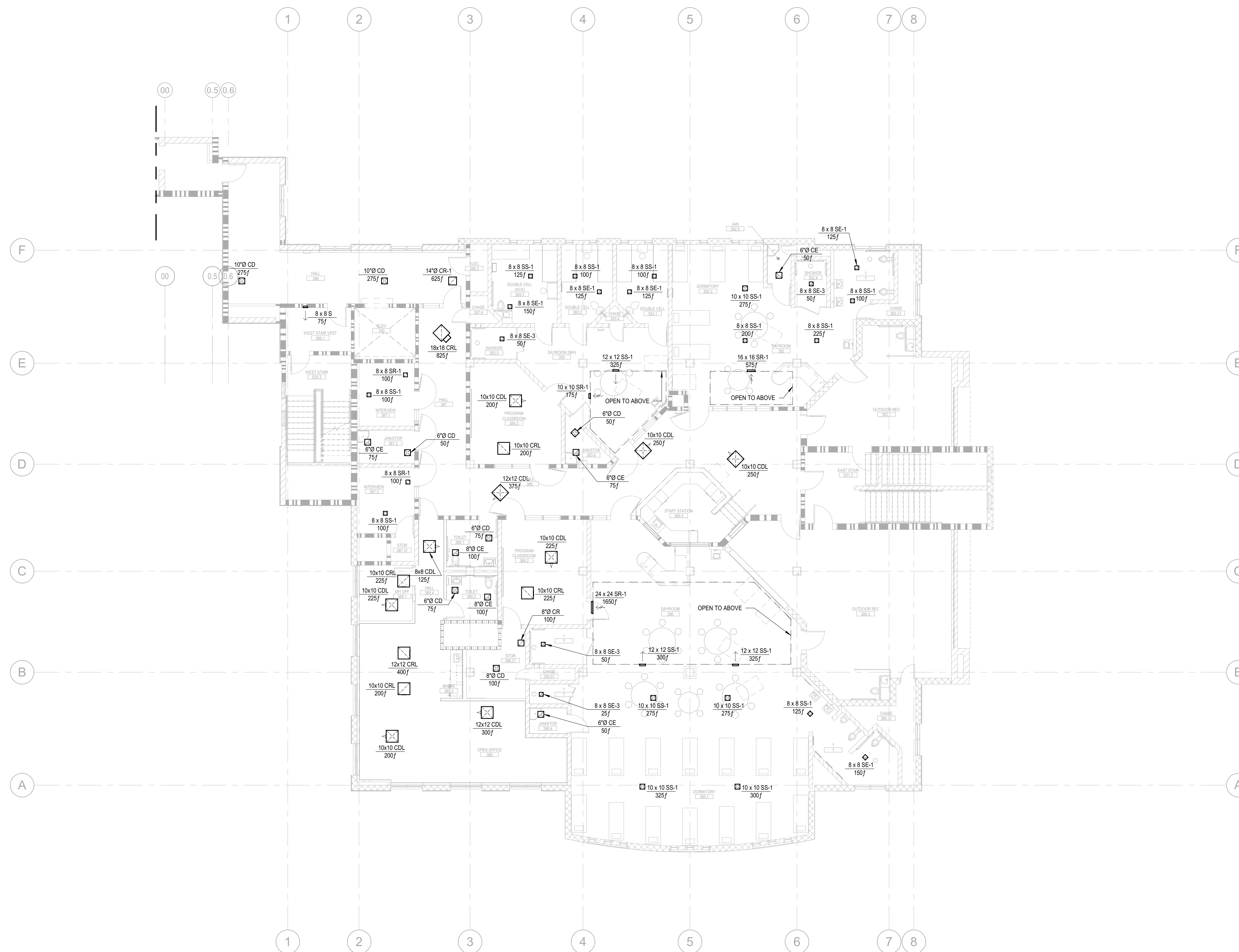
DRAWING STATUS  
**WORKING DRAWINGS**

**REVISIONS**

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

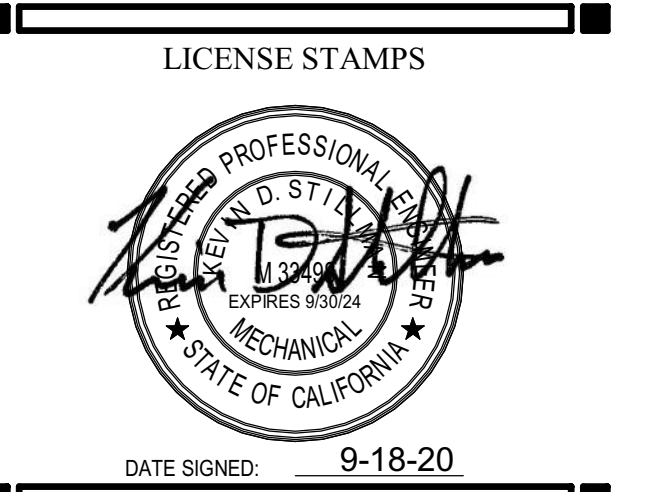
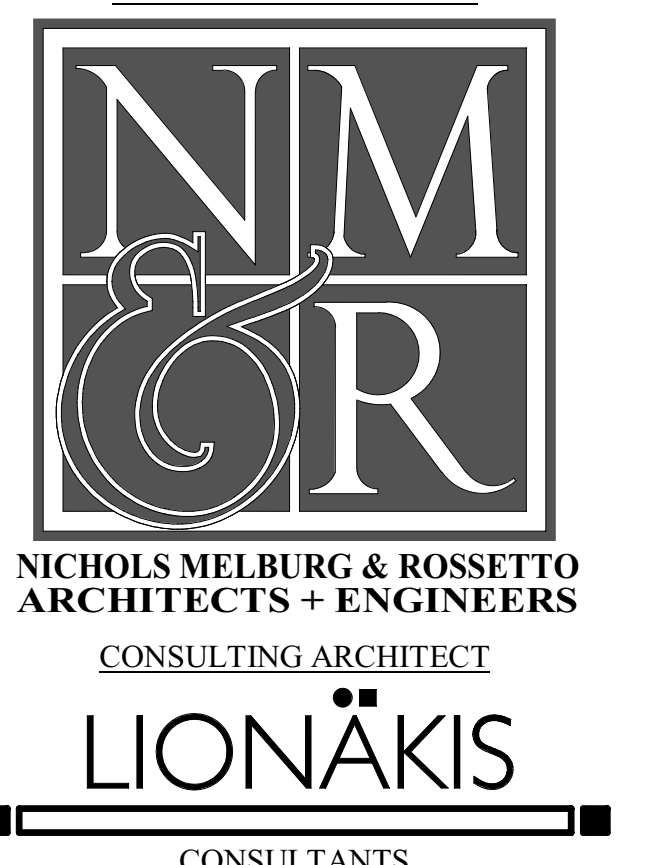
SHEET No.  
**M211 V4**



PLAN NORTH  
**1** HVAC AIRFLOWS - LEVEL 3  
 SCALE: 1/8" = 1'-0"  
 M212



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**HUMBOLDT COUNTY  
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 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

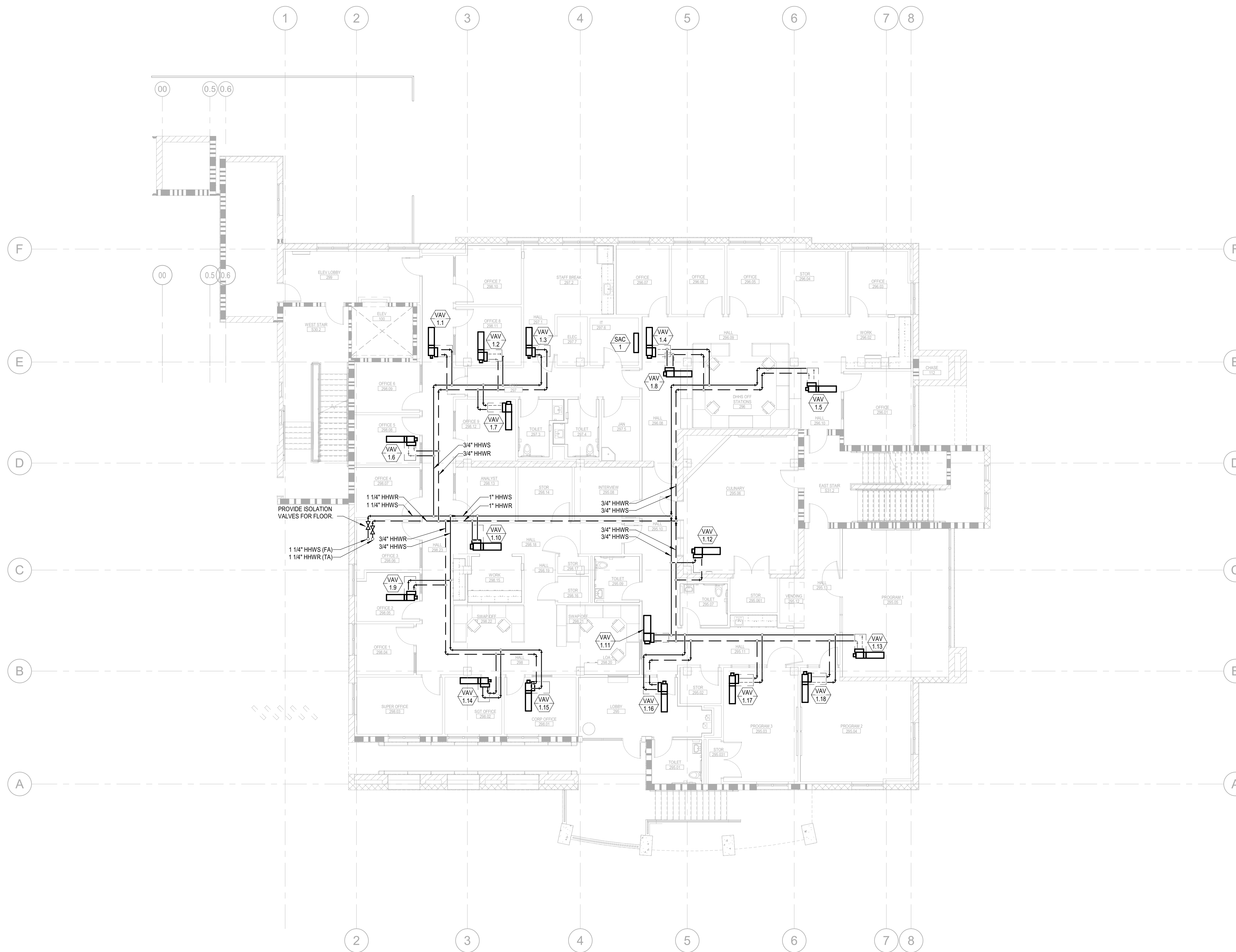
SHEET TITLE  
**HVAC AIRFLOWS -  
 LEVEL 3**

DRAWING STATUS  
**WORKING DRAWINGS**

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

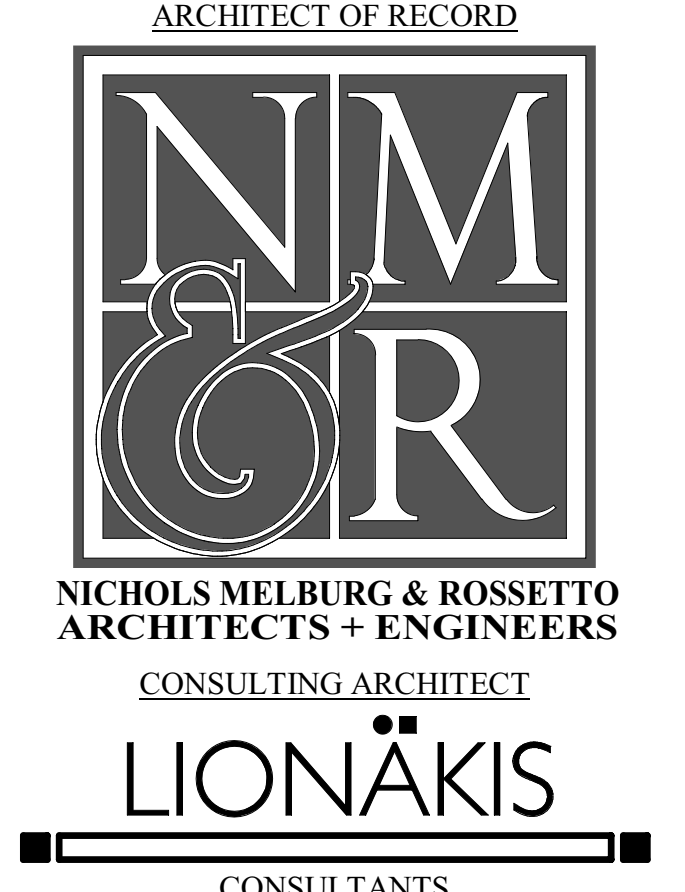
SHEET No.  
**M212 V4**



PLAN NORTH  
 1 HVAC PIPING PLAN - LEVEL 2  
 M301 SCALE: 1/8" = 1'-0"



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PROJECT NAME  
**HUMBOLDT COUNTY  
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 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**HVAC PIPING PLAN -  
 LEVEL 2**

DRAWING STATUS

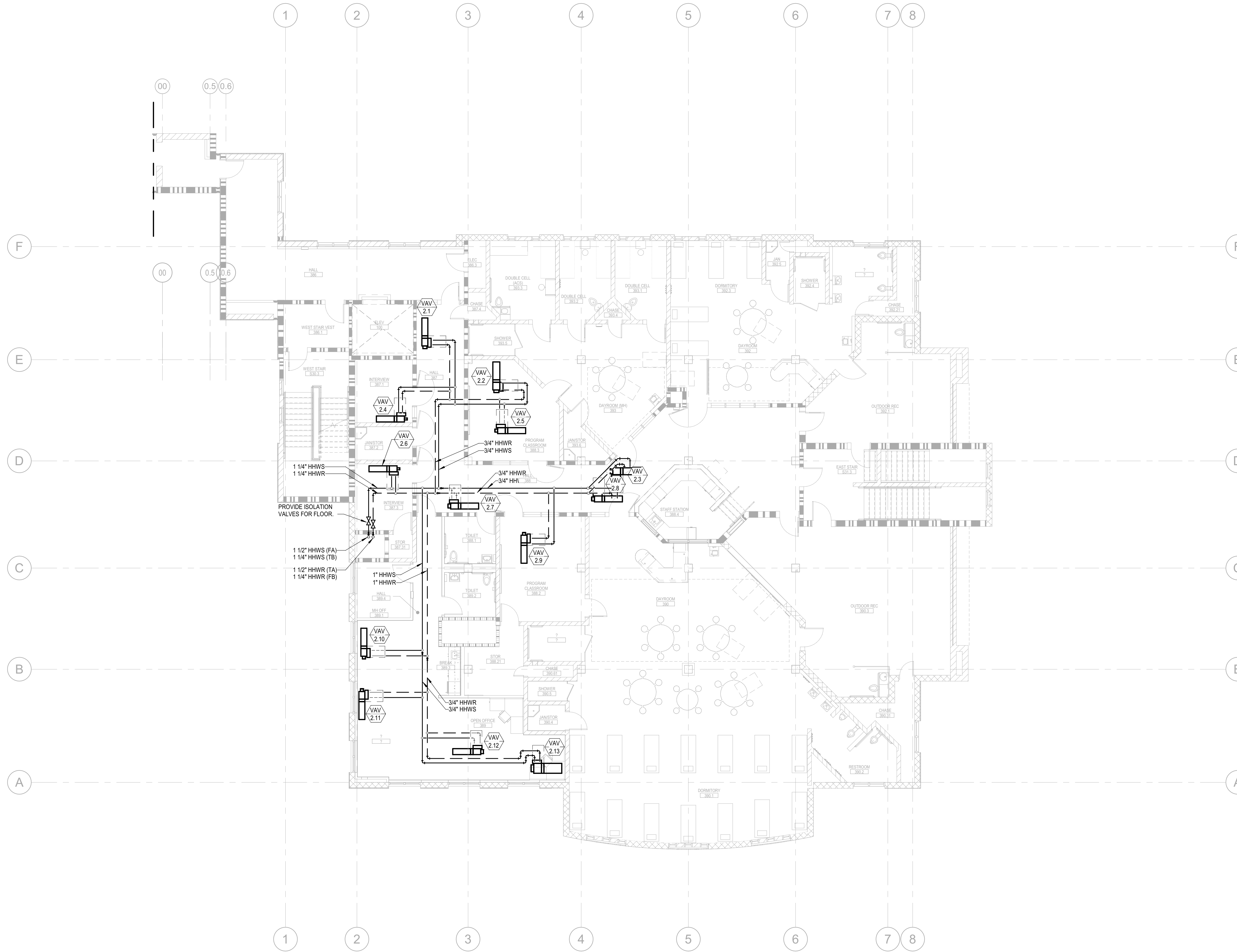
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**M301 V4**

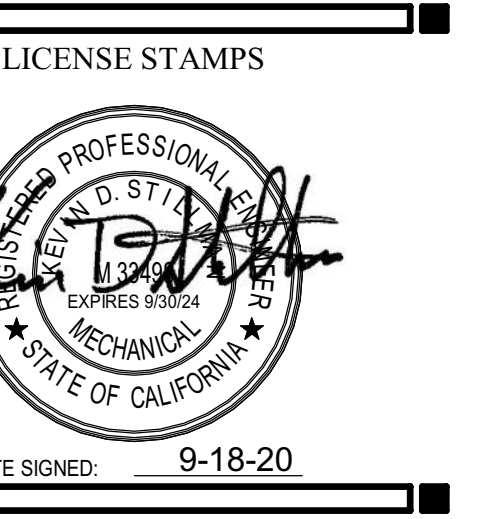
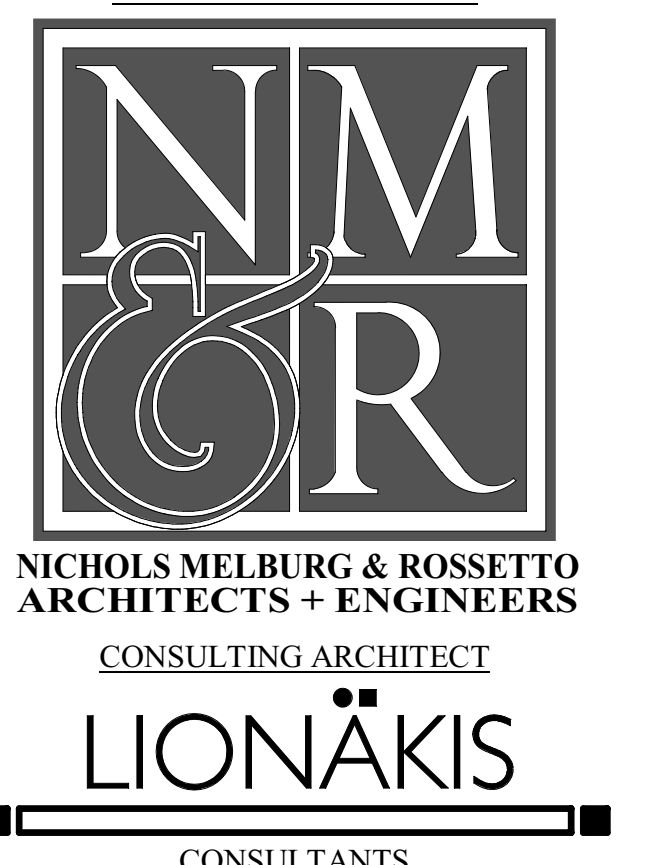
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 User: jdm



PLAN NORTH  
**1** HVAC PIPING PLAN - LEVEL 3  
 M302 SCALE: 1/8" = 1'-0"



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PROJECT NAME  
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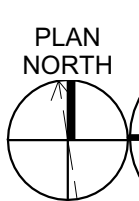
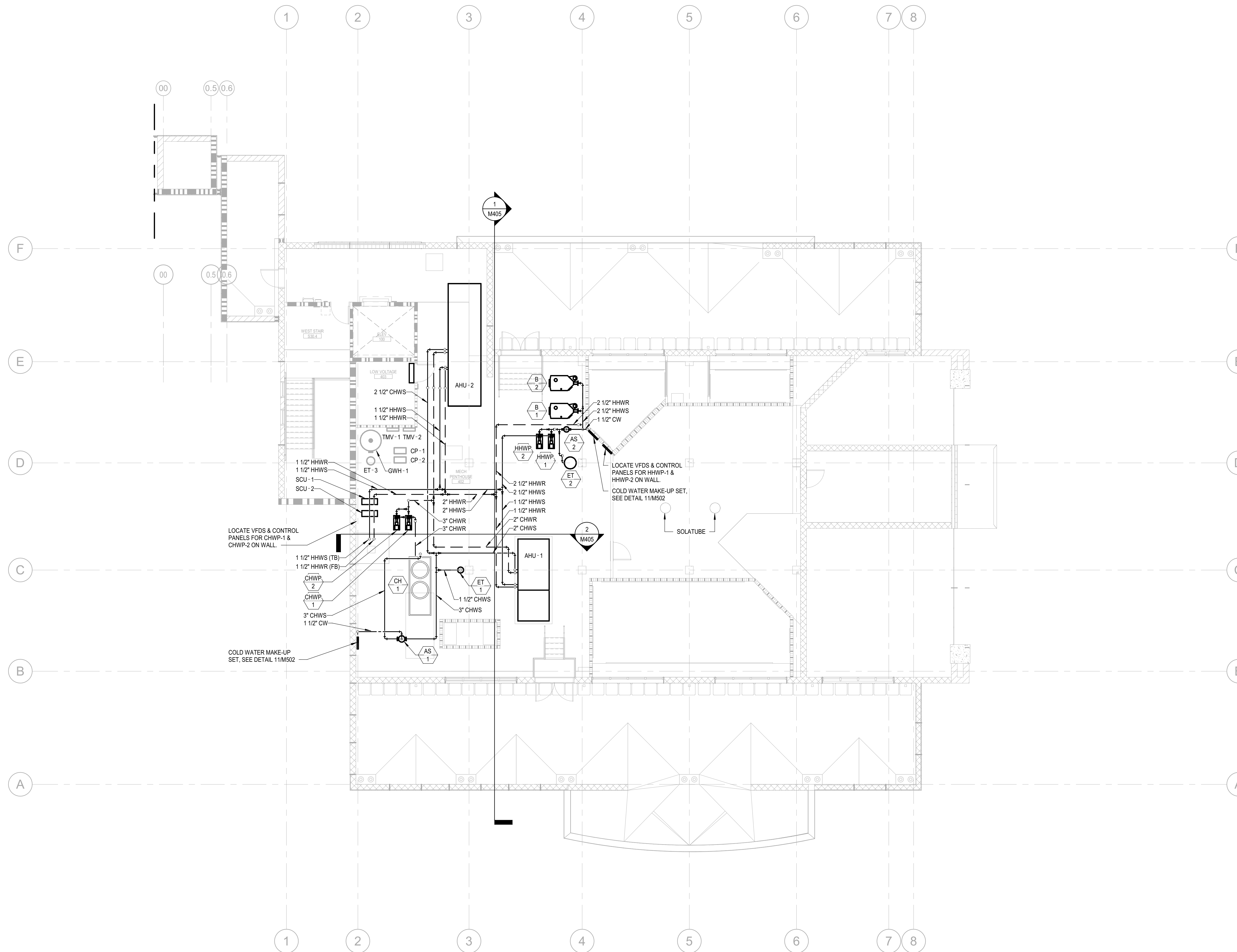
SHEET TITLE  
**HVAC PIPING PLAN - LEVEL 3**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	JD/JH/IS/HC
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**M302 V4**



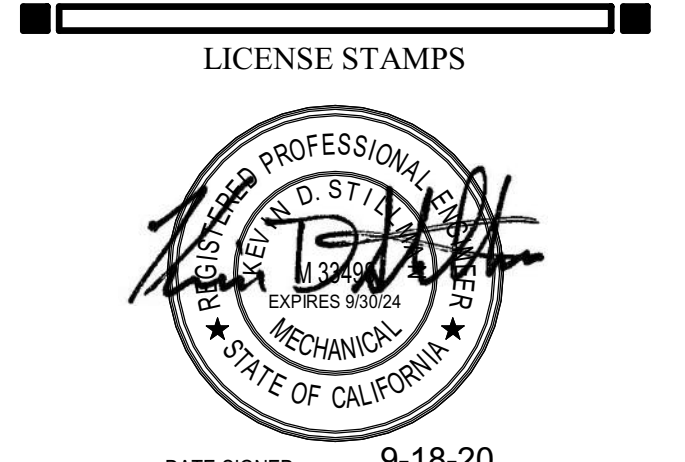
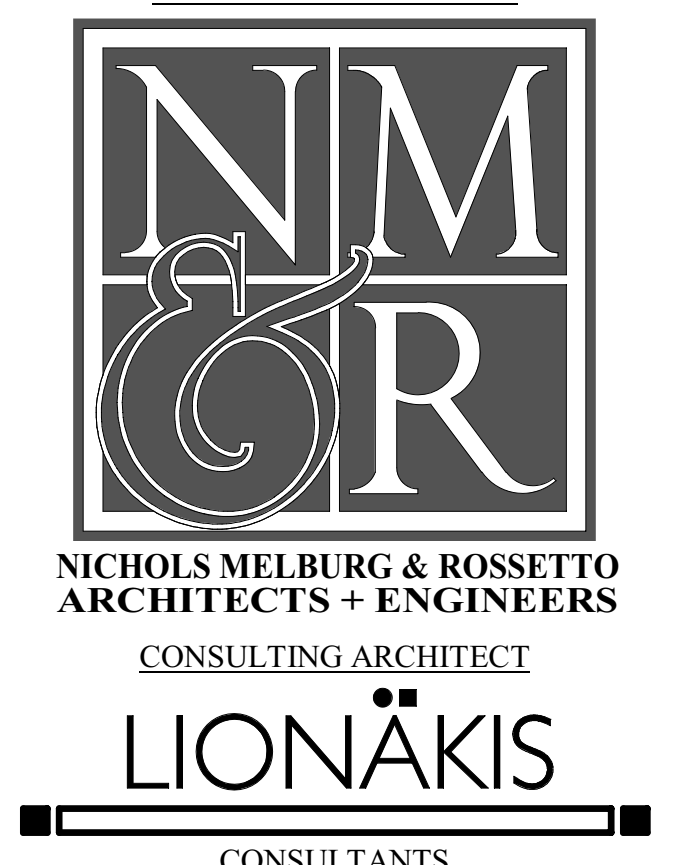
**HVAC PIPING PLAN - LEVEL 4 PH**

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

M303



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DATE SIGNED: 9-18-20  
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**HUMBOLDT COUNTY  
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 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**HVAC PIPING PLAN -  
 LEVEL 4 PH**

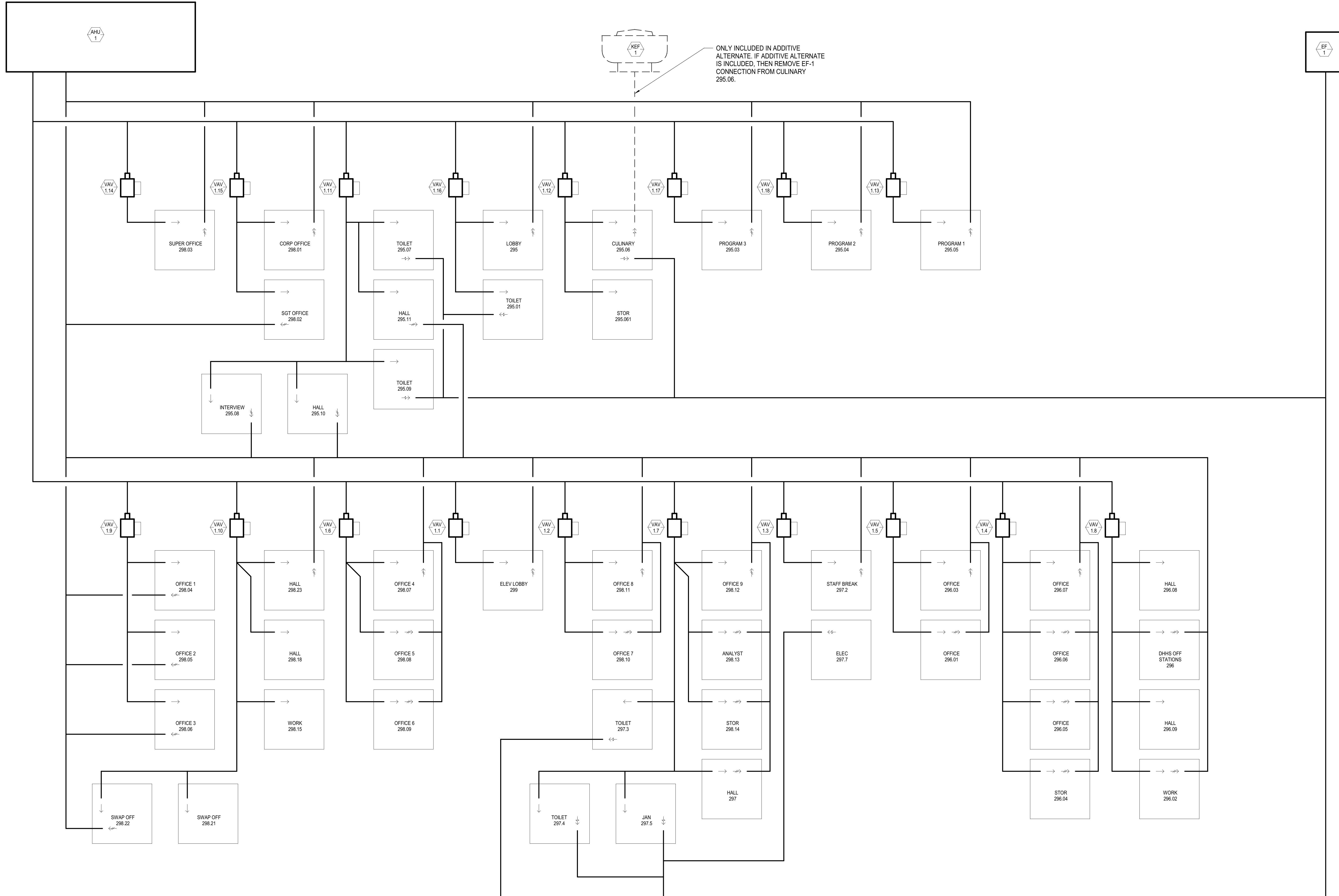
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**WORKING DRAWINGS**

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Delta	Description	Date

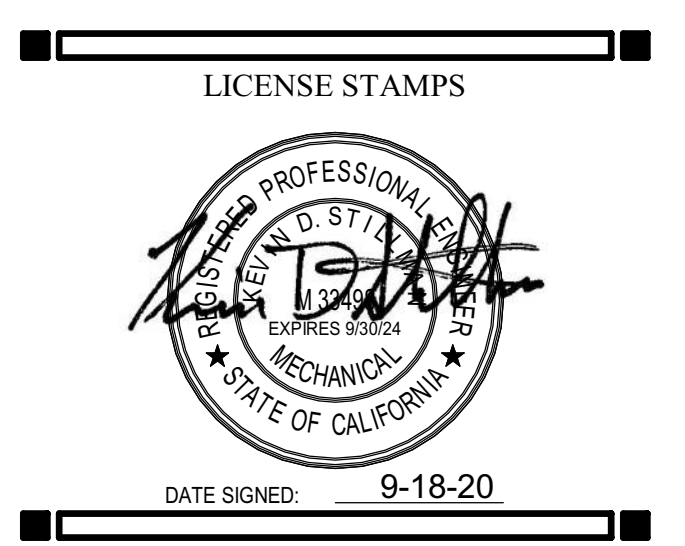
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Date Issued	09.19.2022
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Project No.	16-6421.00

SHEET No.  
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 User: jkharnt



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PROJECT NAME  
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 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**AIRFLOW DIAGRAMS**  
 DRAWING STATUS  
**WORKING DRAWINGS**

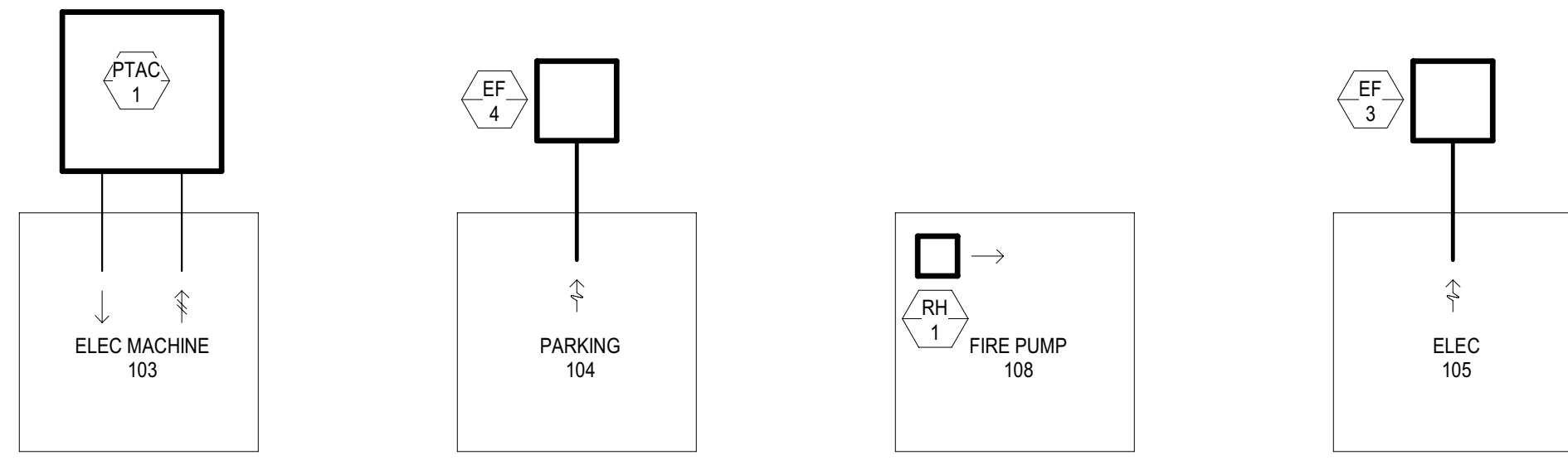
REVISIONS		
Delta	Description	Date

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Project No.	16-6421.00

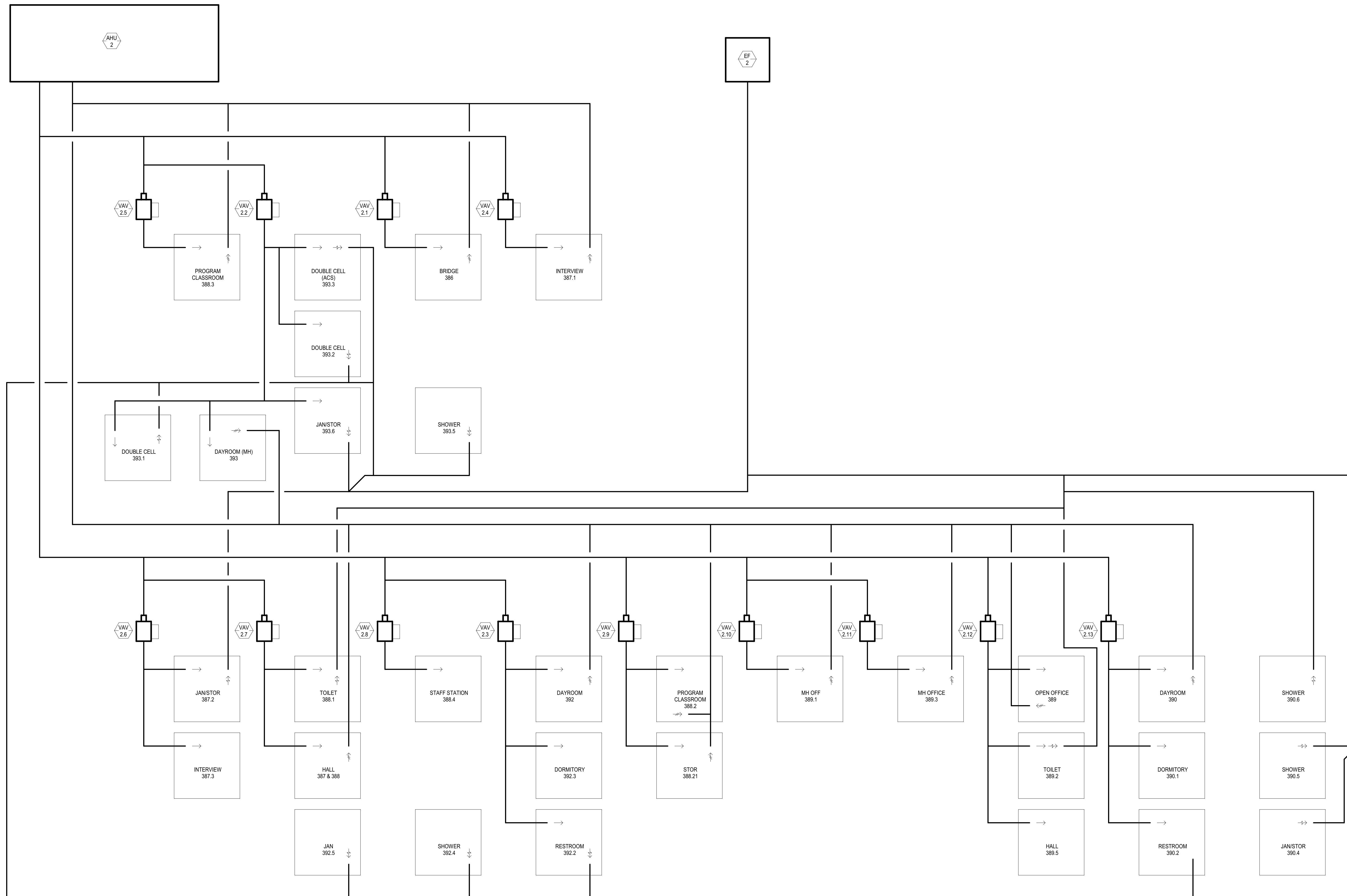
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**1 AIRFLOW DIAGRAM - LEVEL 2**  
 M400 SCALE: NONE



**2 AIRFLOW DIAGRAM - LEVEL 1**  
M401 SCALE: NONE



**1 AIRFLOW DIAGRAM LEVEL - 3**  
M401 SCALE: NONE



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PROJECT NAME

**HUMBOLDT COUNTY  
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RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

**AIRFLOW DIAGRAMS**

DRAWING STATUS

**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

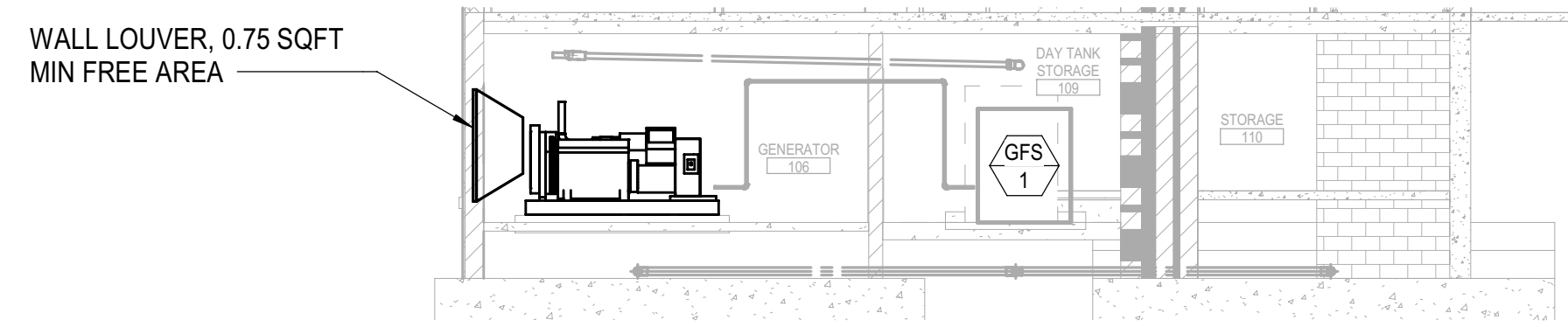
Drawn By	Author
Date Issued	09.19.2022
Scale	12" = 1'-0"
Project No.	16-6421.00

SHEET No.

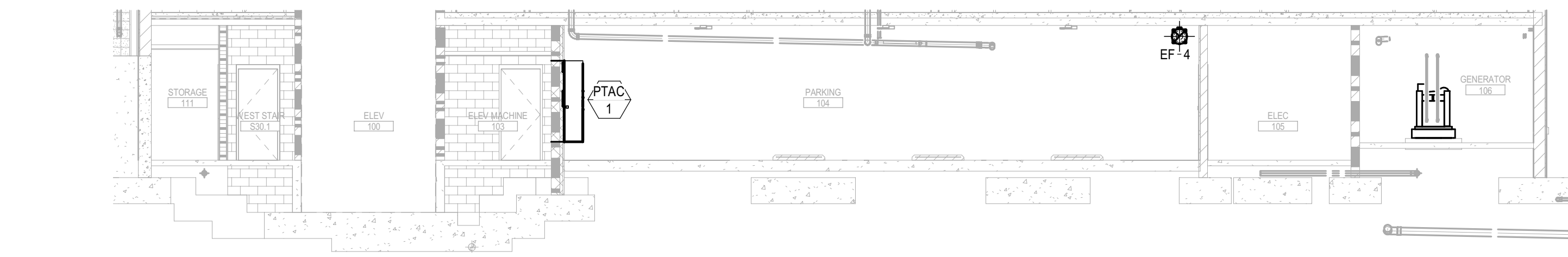
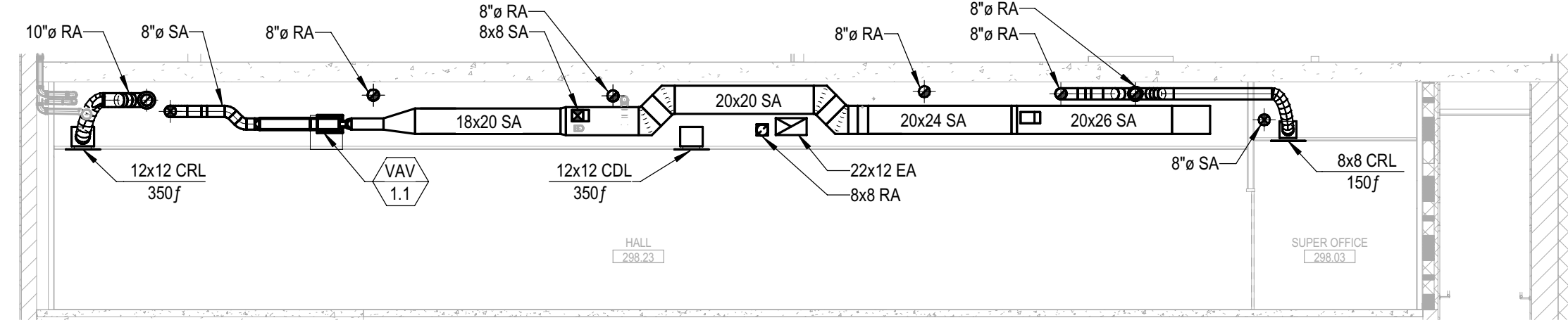
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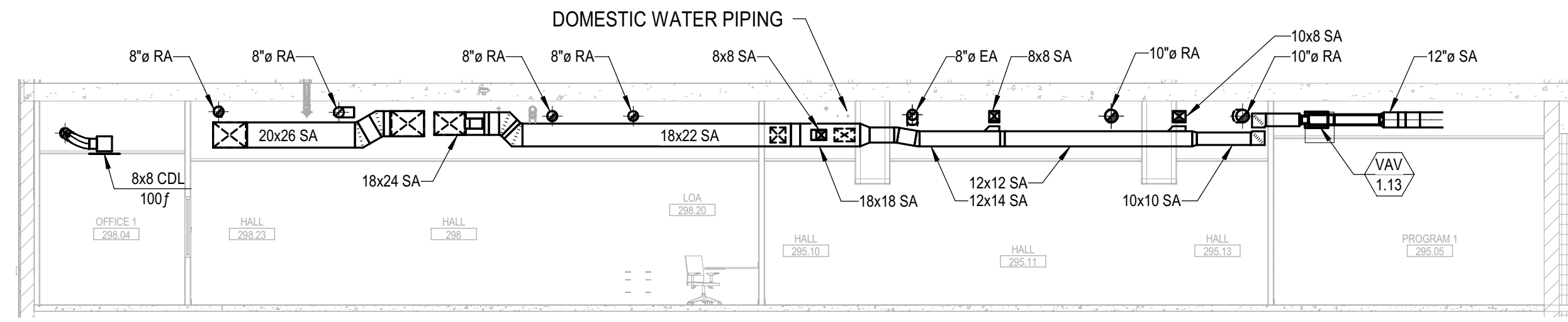




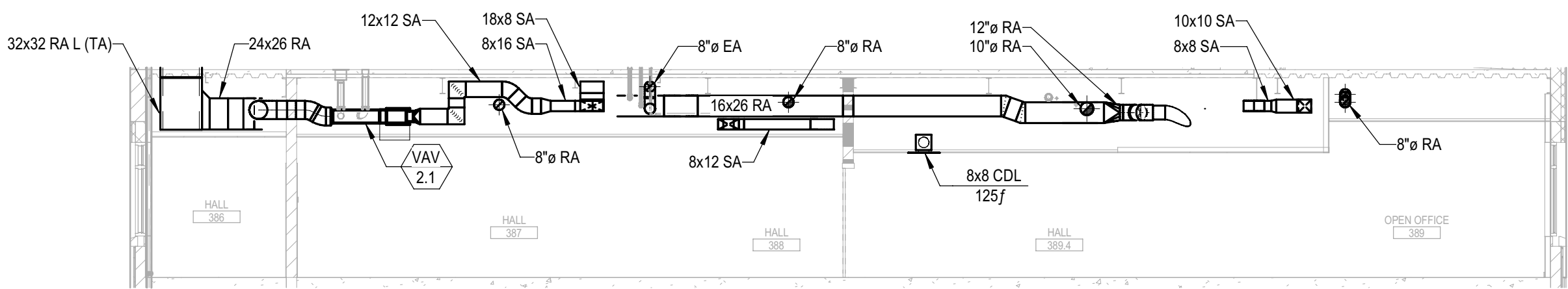
1 LEVEL 1 - NORTH/SOUTH  
M402 SCALE: 1/8" = 1'-0"



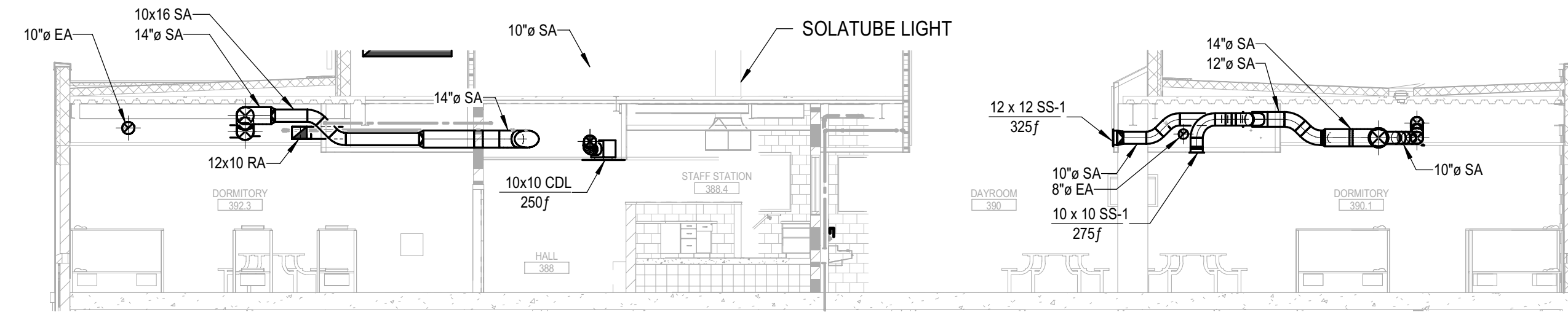
2 LEVEL 2 - EAST/WEST  
M402 SCALE: 1/8" = 1'-0"



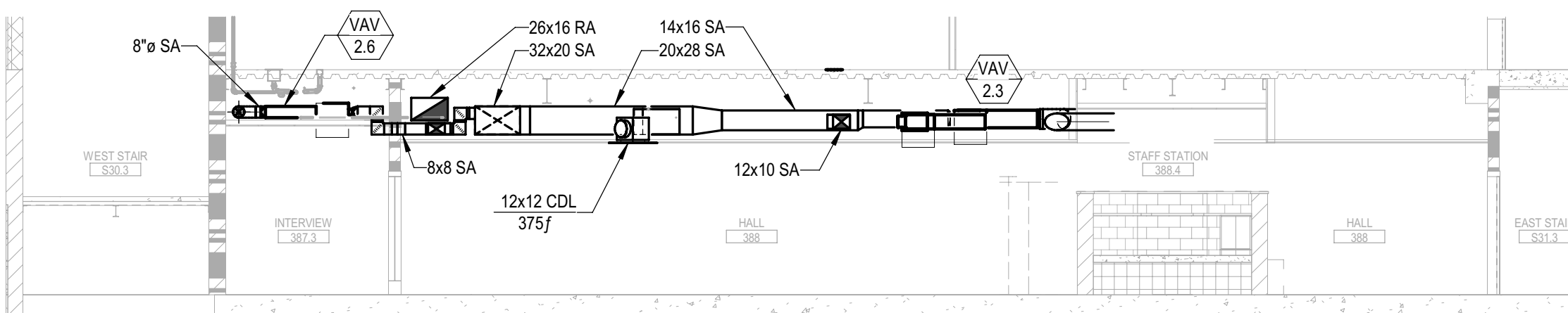
3 LEVEL 2 - NORTH/SOUTH HALLWAY  
M402 SCALE: 1/8" = 1'-0"



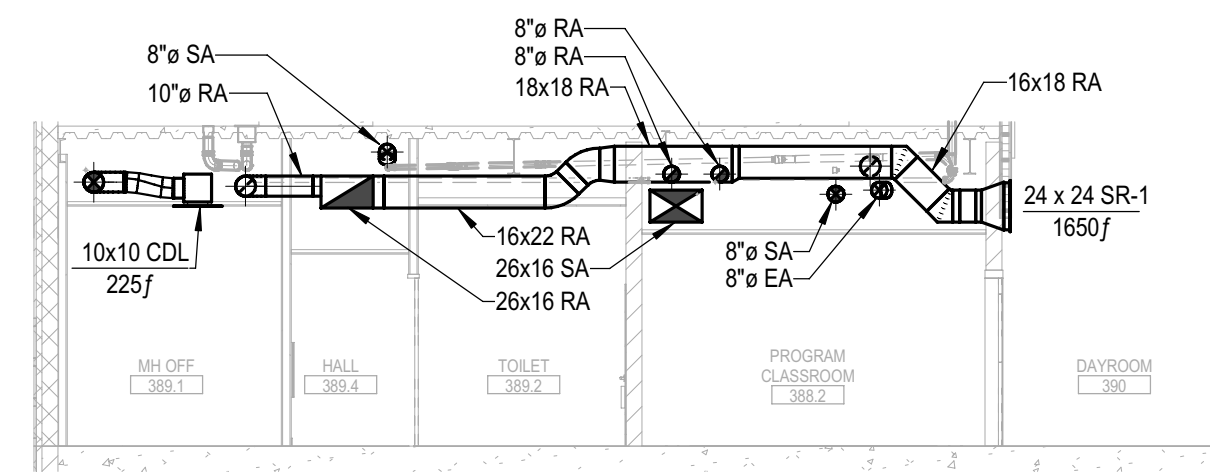
4 LEVEL 2 - EAST/WEST HALLWAY  
M402 SCALE: 1/8" = 1'-0"



5 LEVEL 3 - NORTH/SOUTH HALLWAY  
M402 SCALE: 1/8" = 1'-0"



6 LEVEL 3 - NORTH/SOUTH DAYROOMS  
M402 SCALE: 1/8" = 1'-0"



7 LEVEL 3 - EAST/WEST HALLWAY  
M402 SCALE: 1/8" = 1'-0"

8 LEVEL 3 - EAST/WEST DAYROOM  
M402 SCALE: 1/8" = 1'-0"



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ARCHITECT OF RECORD

**NICHOLS MELBURG & ROSSETTO**  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS

**CAPITAL**  
ENGINEERING CONSULTANTS, INC.  
RANCHO CORDOVA, CALIFORNIA  
JD - ISJ/HHC 170324.00  
P/E - DESIGN TEAM PROJECT INC.

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PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

HVAC SECTIONS

DRAWING STATUS

WORKING DRAWINGS

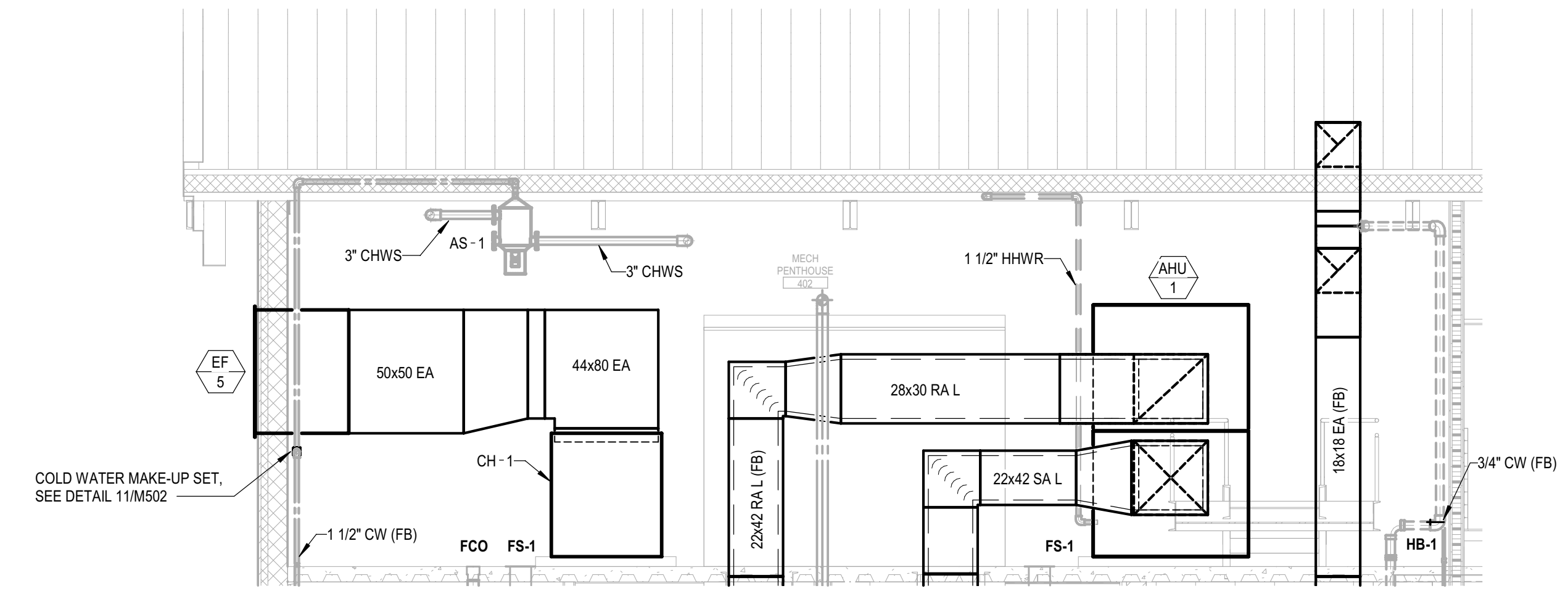
REVISIONS

Delta	Description	Date

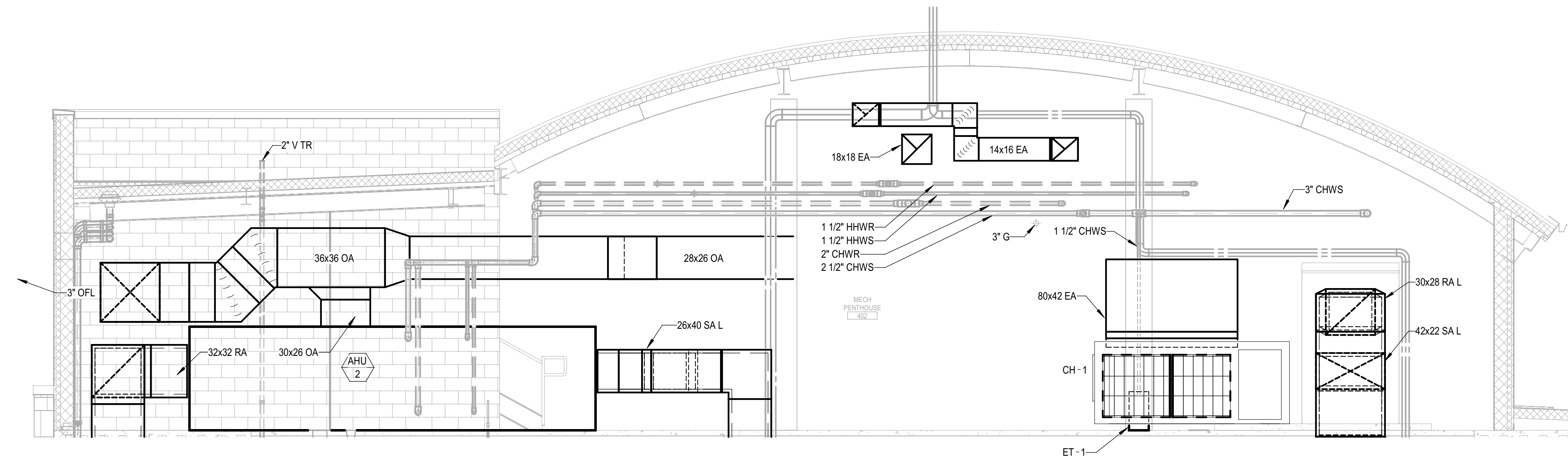
Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.

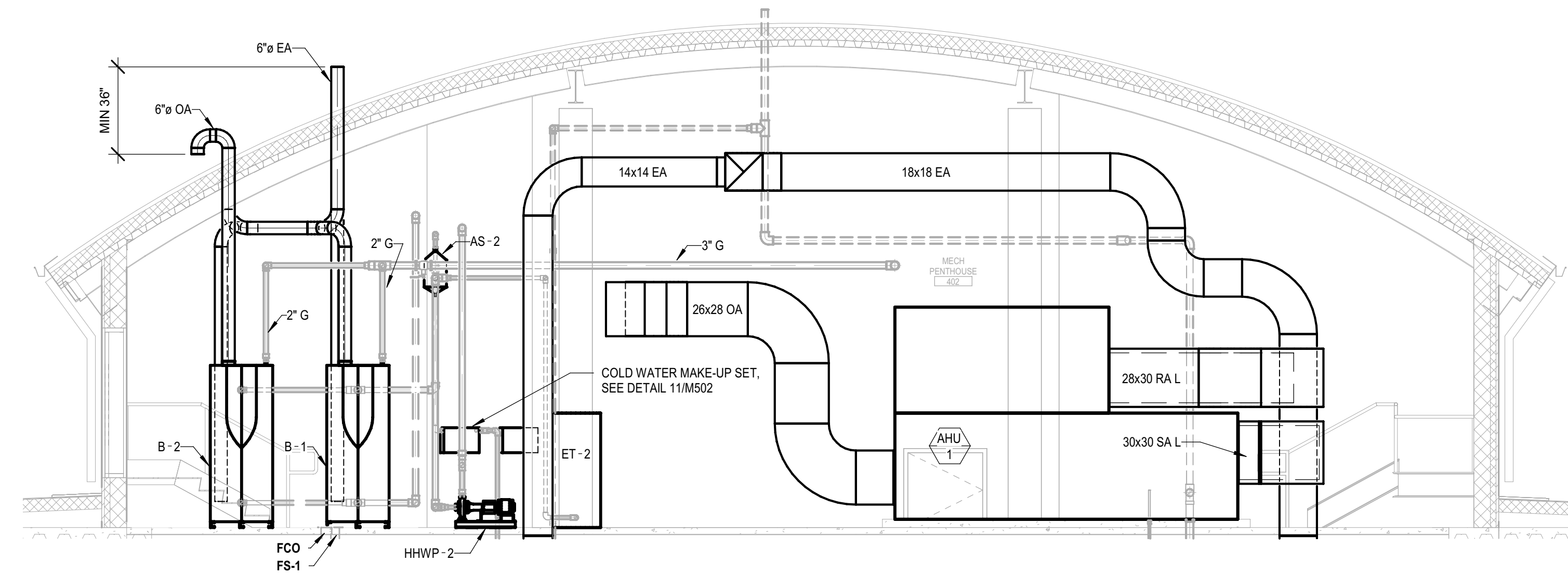
**M402 V4**



1 LEVEL 4 PH - NORTH PENTHOUSE  
M403 SCALE: 1/4" = 1'-0"



2 LEVEL 4 PH - EAST PENTHOUSE 1  
M403 SCALE: 1/4" = 1'-0"



3 LEVEL 4 PH - EAST PENTHOUSE 2  
M403 SCALE: 1/4" = 1'-0"



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RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

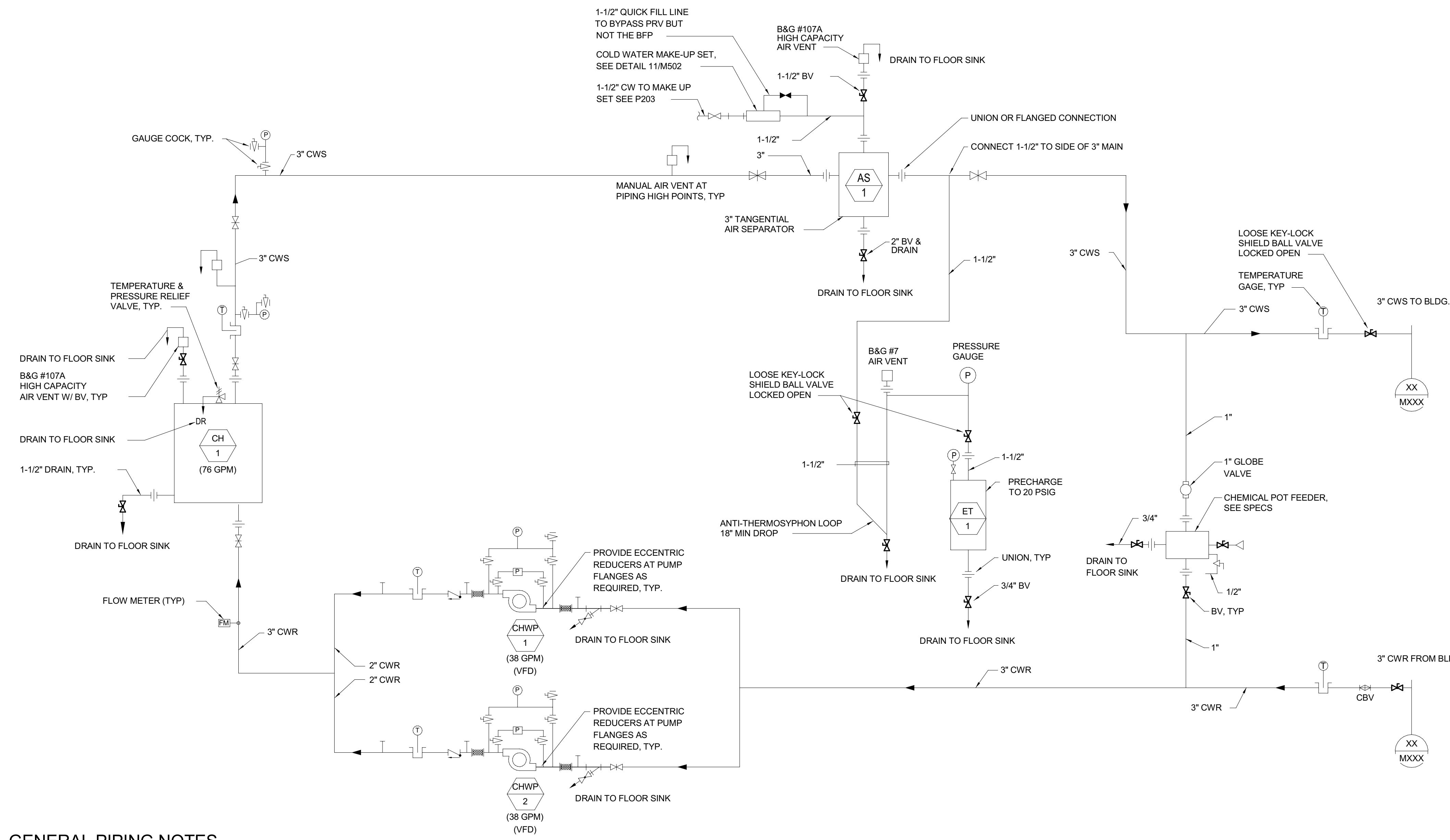
SHEET TITLE  
HVAC SECTIONS

DRAWING STATUS  
WORKING DRAWINGS

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/4" = 1'-0"
Project No.	16-6421.00

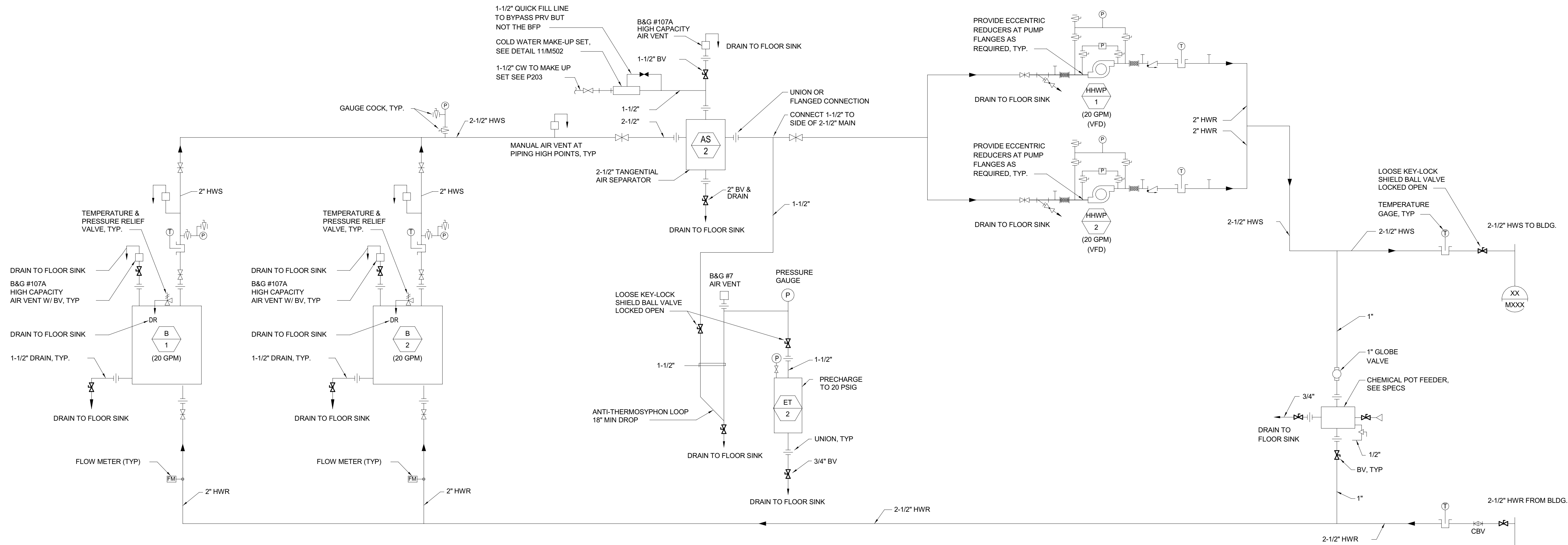
SHEET No.  
**M403 V4**



**GENERAL PIPING NOTES**

1. PIPING SHOWN IN DIAGRAM IS SCHEMATIC AND DOES NOT INDICATE ALL REQUIRED FITTINGS AND OFFSETS. PROVIDE ALL FITTINGS & OFFSETS FOR PROPER SYSTEM OPERATION.
2. ALL VALVES ARE LINE SIZE UNLESS OTHERWISE NOTED.
3. INSTALL UNIONS OR FLANGES AT EACH CONNECTION TO EQUIPMENT, TANKS AND AUTOMATIC VALVES, AND AT ONE CONNECTION TO EACH MANUAL VALVE.
4. PROVIDE MANUAL AIR VENTS ON ALL HIGH POINTS AND WHERE REQUIRED TO PROPERLY OPERATE SYSTEMS.
5. PIPING SHALL BE 3/4" MINIMUM.
6. PIPE ALL BLOW OFFS, RELIEF VALVES, AIR VENTS, OVERFLOWS AND COIL DRAINS TO FLOOR SINKS, DRAINS OR ROOF RECEPTORS.
7. PROVIDE EXPANSION TANKS WITH VERTICAL MOUNTING RING, PRECHARGED BLADDER AND SIGHT GLASS.
8. PROVIDE ALL THERMAL WELLS AS REQUIRED FOR CONTROLS. SEE CONTROL SHEETS.
9. FOR ANCHORAGE AND SUPPORT OF PIPING AND DUCTWORK SEE MECHANICAL SPECS. CAREFULLY COORDINATE ALL PIPE AND DUCT ROUTING, SUPPORT AND ANCHORAGE IN CORRIDORS WITH ALL DISCIPLINES TO AVOID CONFLICTS, SEE SECTIONS AND PLANS.

**1 HVAC COLD WATER PIPING DIAGRAM**  
SCALE: NONE



**GENERAL PIPING NOTES**

1. PIPING SHOWN IN DIAGRAM IS SCHEMATIC AND DOES NOT INDICATE ALL REQUIRED FITTINGS AND OFFSETS. PROVIDE ALL FITTINGS & OFFSETS FOR PROPER SYSTEM OPERATION.
2. ALL VALVES ARE LINE SIZE UNLESS OTHERWISE NOTED.
3. INSTALL UNIONS OR FLANGES AT EACH CONNECTION TO EQUIPMENT, TANKS AND AUTOMATIC VALVES, AND AT ONE CONNECTION TO EACH MANUAL VALVE.
4. PROVIDE MANUAL AIR VENTS ON ALL HIGH POINTS AND WHERE REQUIRED TO PROPERLY OPERATE SYSTEMS.
5. PIPING SHALL BE 3/4" MINIMUM.
6. PIPE ALL BLOW OFFS, RELIEF VALVES, AIR VENTS, OVERFLOWS AND COIL DRAINS TO FLOOR SINKS, DRAINS OR ROOF RECEPTORS.
7. PROVIDE EXPANSION TANKS WITH VERTICAL MOUNTING RING, PRECHARGED BLADDER AND SIGHT GLASS.
8. PROVIDE ALL THERMAL WELLS AS REQUIRED FOR CONTROLS. SEE CONTROL SHEETS.
9. FOR ANCHORAGE AND SUPPORT OF PIPING AND DUCTWORK SEE MECHANICAL SPECS. CAREFULLY COORDINATE ALL PIPE AND DUCT ROUTING, SUPPORT AND ANCHORAGE IN CORRIDORS WITH ALL DISCIPLINES TO AVOID CONFLICTS, SEE SECTIONS AND PLANS.
10. HOT WATER RESET AND LOW WATER OUT OUT SHALL BE INTEGRAL TO THE BOILER CONTROLS.

**2 HVAC HOT WATER PIPING DIAGRAM**  
SCALE: NONE



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**NICHOLS MELBURG & ROSSETTO**  
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CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS



J.D. ISURINC 170324.00  
P.E. DESIGN TEAM PROJECT NO.

**LICENSE STAMPS**



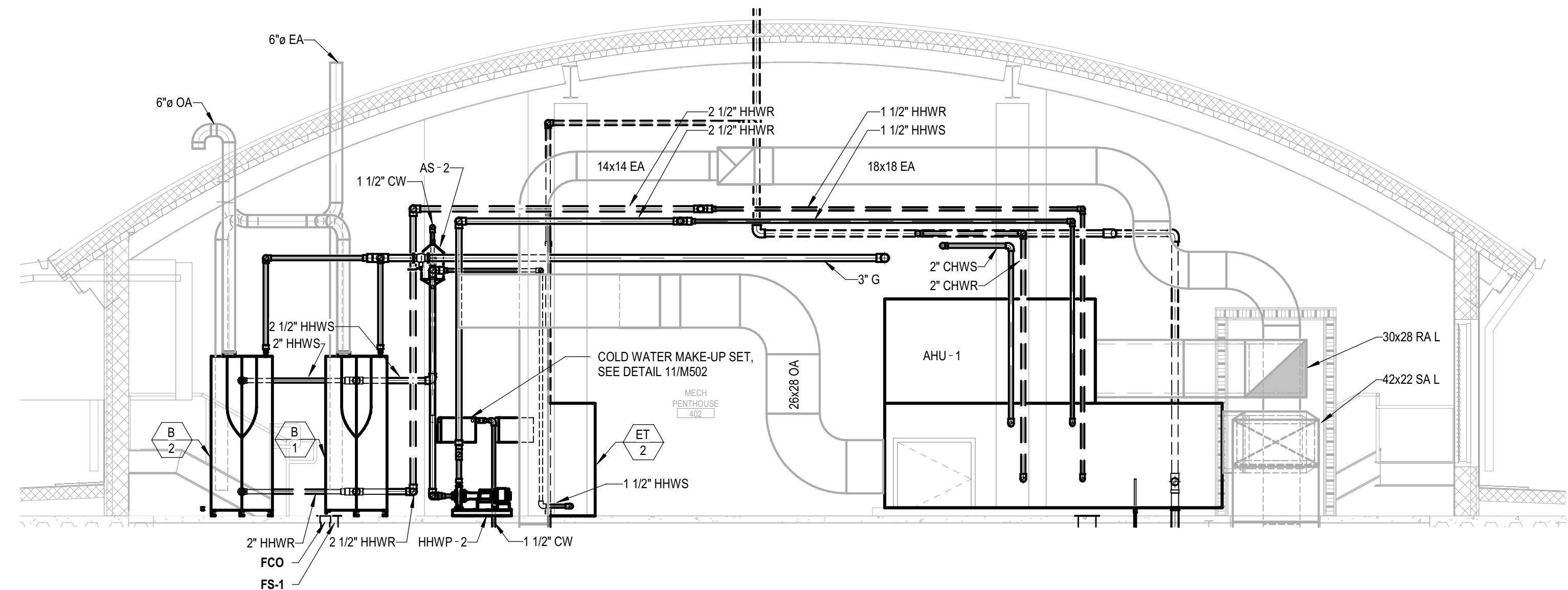
DATE SIGNED: 9-18-20  
PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
HVAC PIPING DIAGRAMS  
DRAWING STATUS  
WORKING DRAWINGS

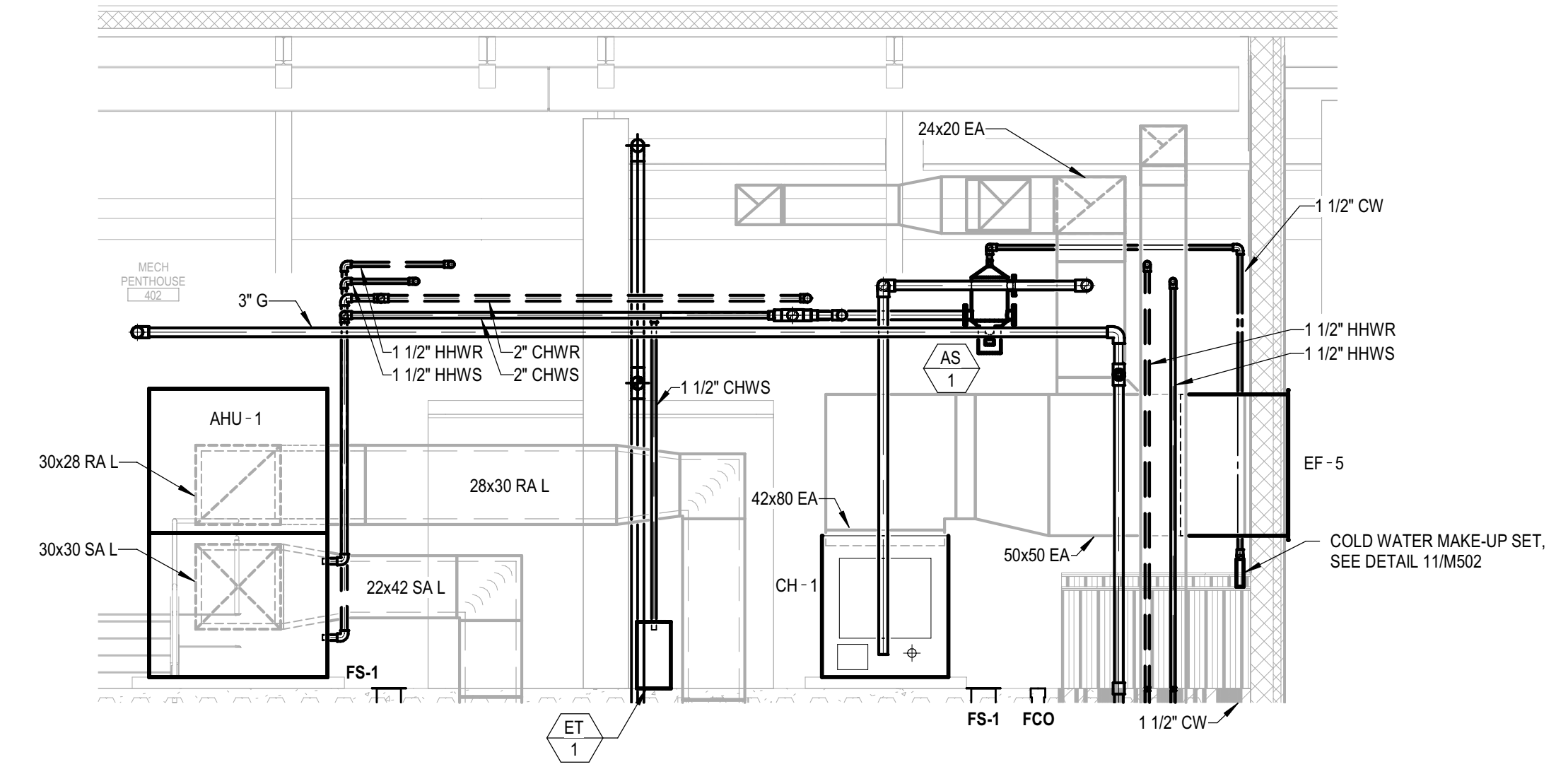
REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	12" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**M404 V4**



**1** LEVEL 4 PH - EAST PENTHOUSE  
 M405 SCALE: 1/4" = 1'-0"



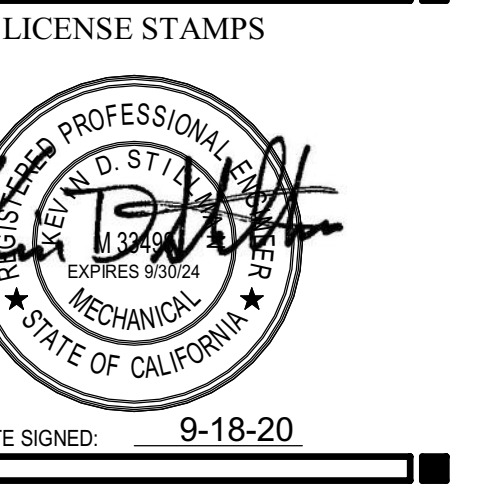
**2** LEVEL 4 PH - SOUTH PENTHOUSE  
 M405 SCALE: 1/4" = 1'-0"



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ARCHITECT OF RECORD  
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 NICHOLS MELBURG & ROSSETTO  
 ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT  
**LIONAKIS**  
 CONSULTANTS

**CAPITAL**  
 ENGINEERING CONSULTANTS, INC.  
 RANCHO CORDOVA, CALIFORNIA  
 JD - ISJ/HHC 170324.00  
 P/E - DESIGN TEAM PROJECT NO.



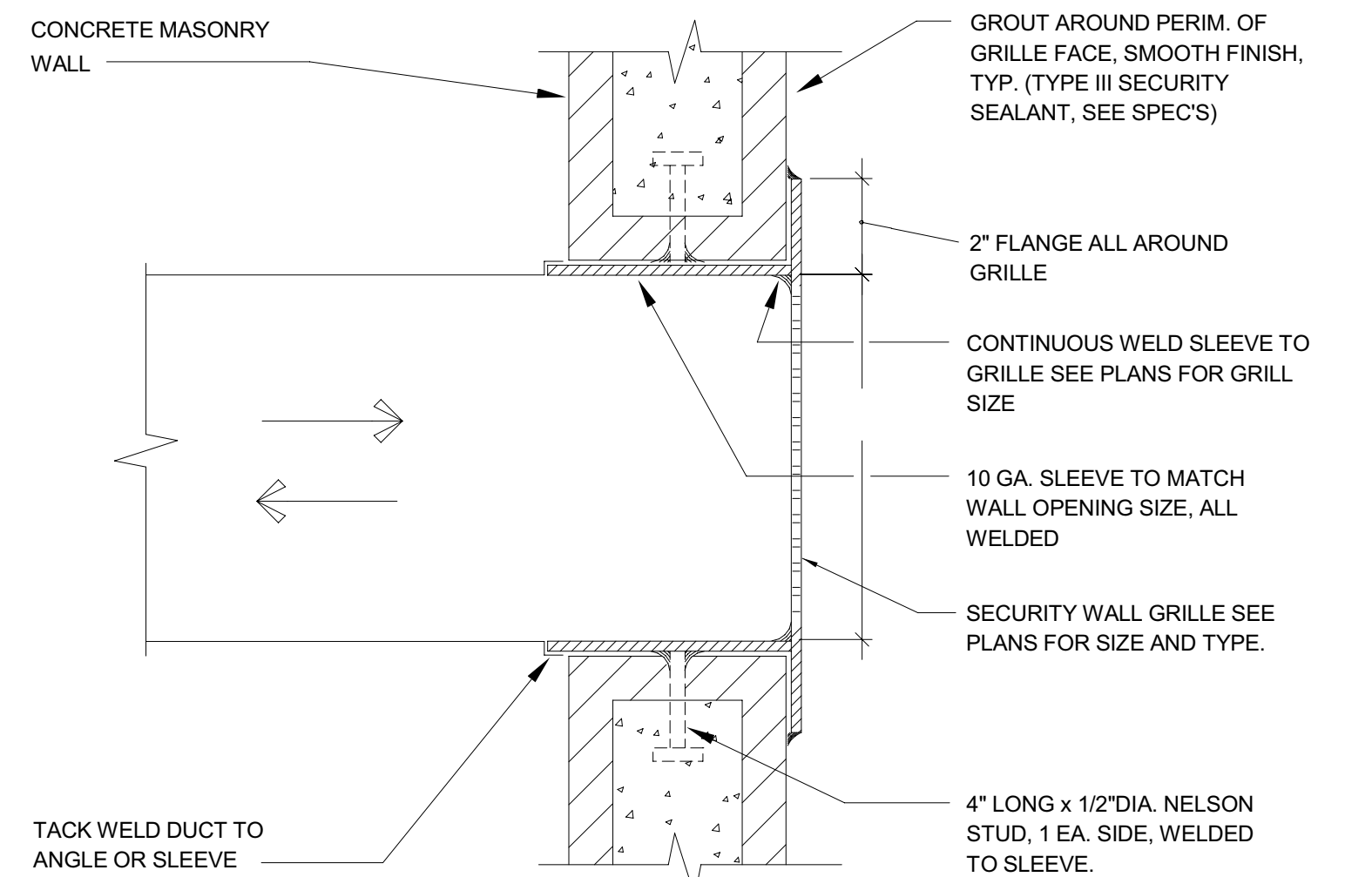
PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
 HVAC PIPING SECTIONS  
 DRAWING STATUS  
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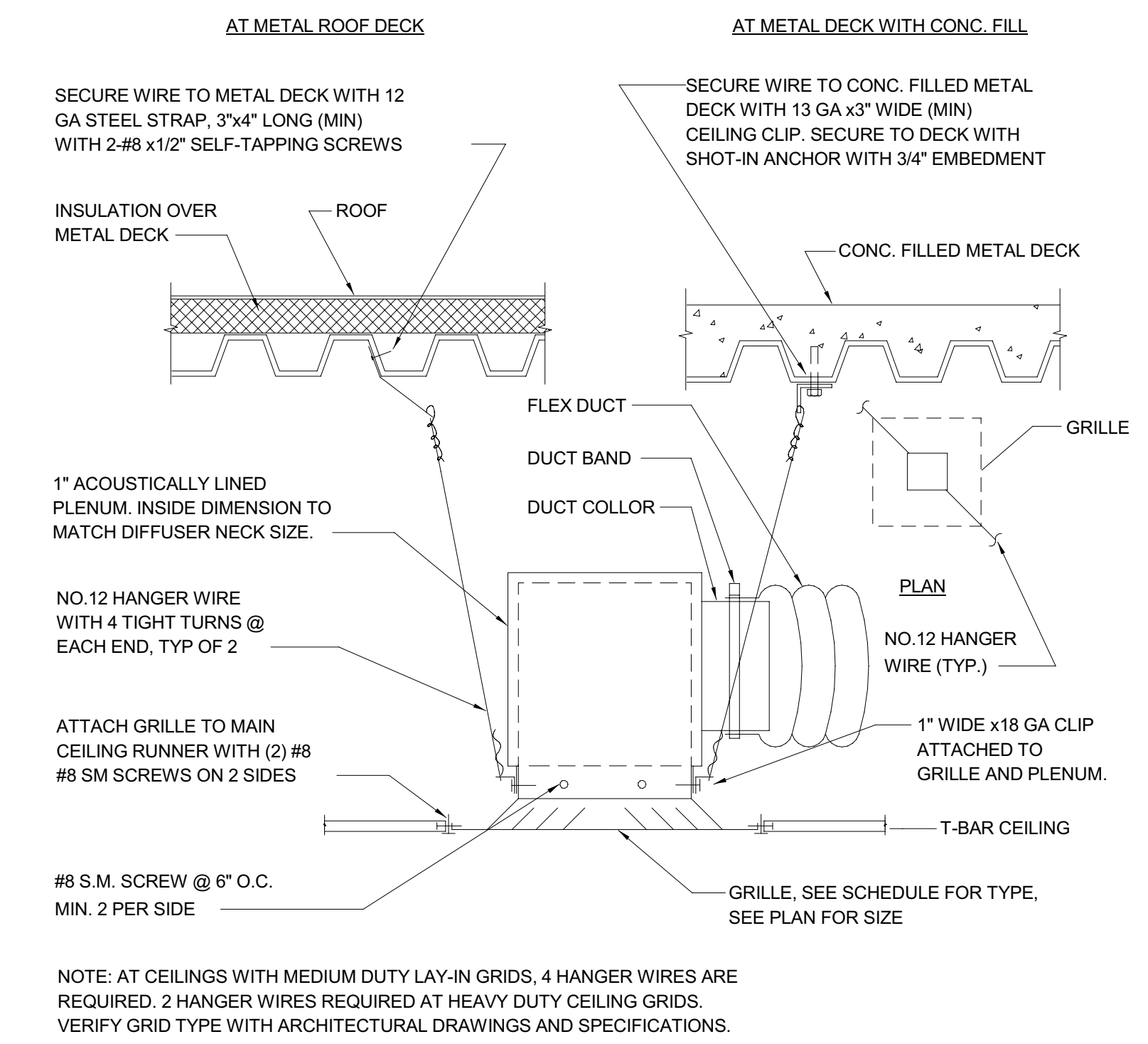
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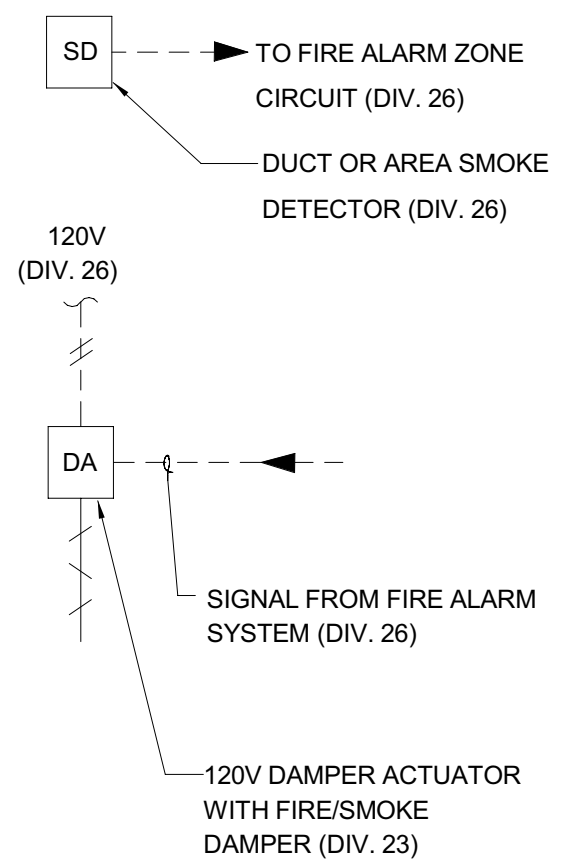
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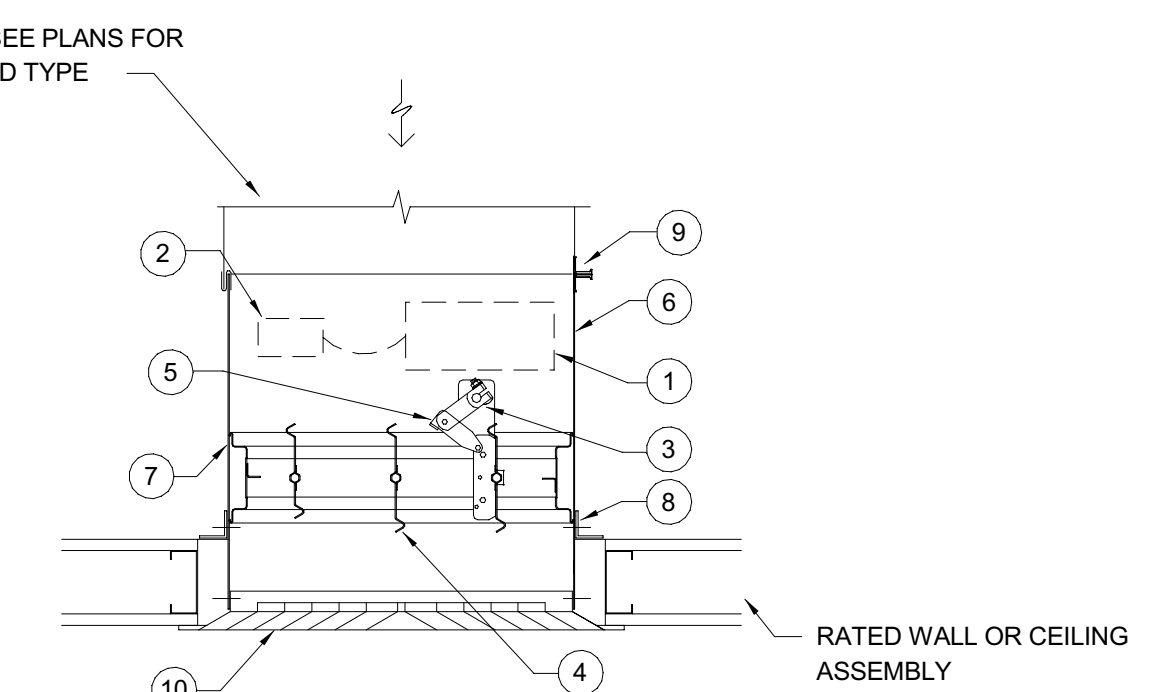
**SECTION AT MAX SEC GRILLE** 4  
 SCALE: NONE M500



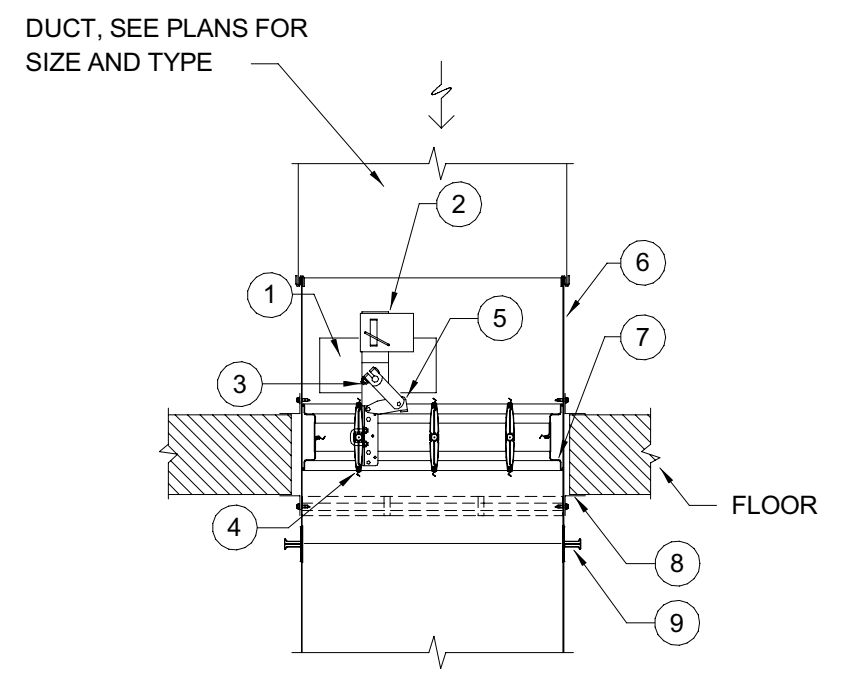
**RETURN, EXHAUST, AND SUPPLY REGISTER DETAIL (NON-SECURE)** 1  
 SCALE: NONE M500



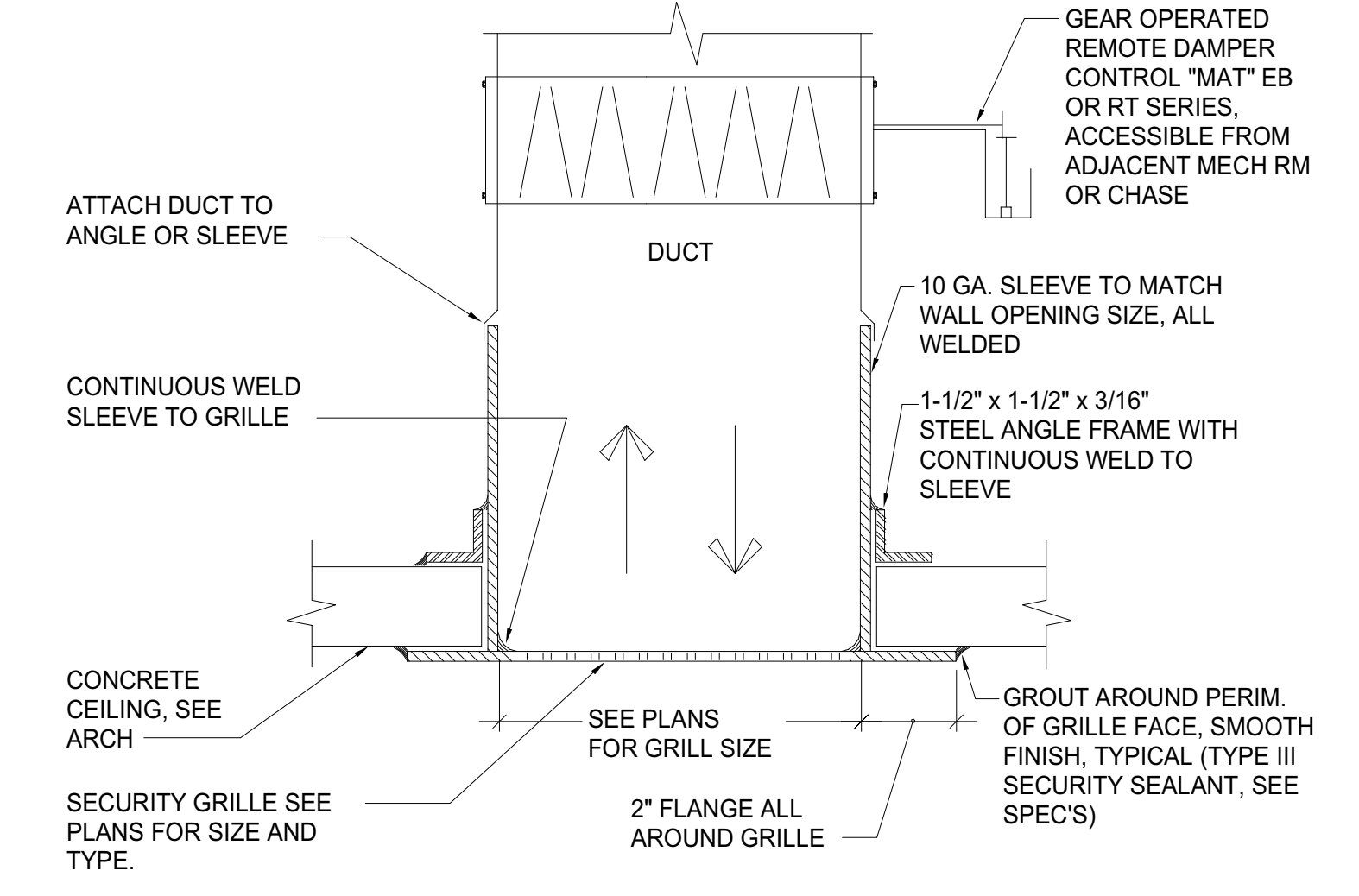
- WIRING DIAGRAM**
1. WIRE TO CLOSE DAMPER UPON SIGNAL FROM AREA SMOKE DETECTION FROM THE FIRE ALARM SYSTEM.
  2. DAMPER ACTUATOR SHALL BE POWER-OPEN, FAIL-CLOSED TYPE.



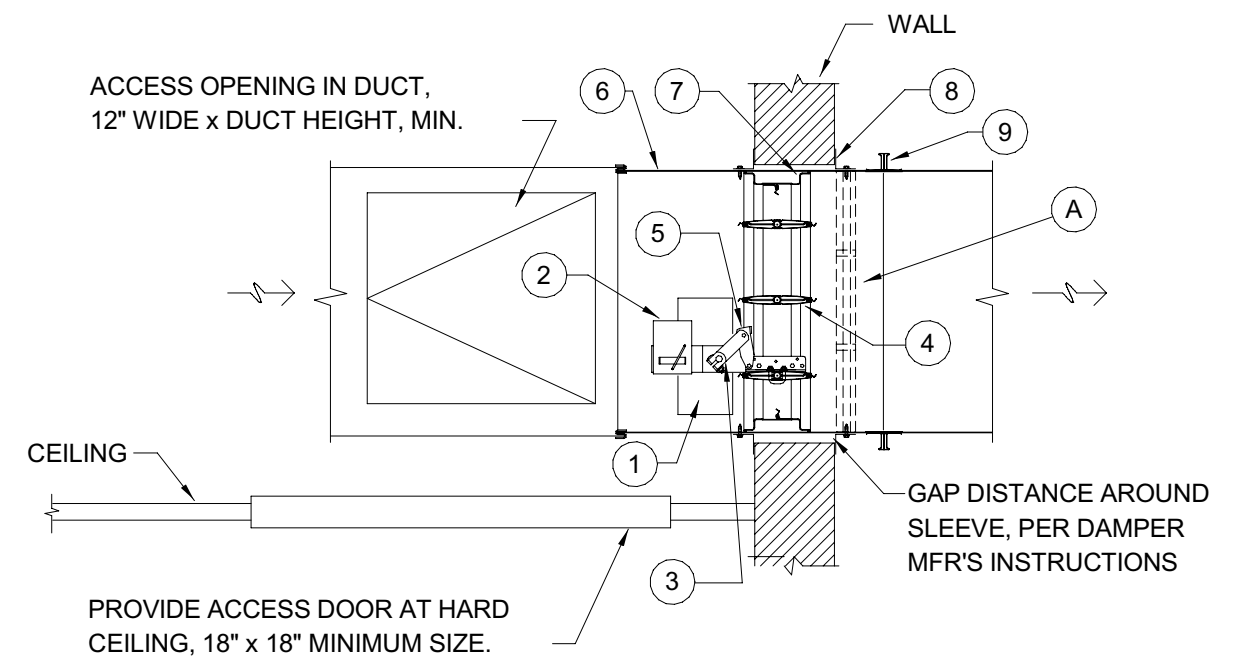
**MOUNTING DETAIL - GRILLE**  
 BASIS OF DESIGN PRODUCT: "RUSKIN" FSD60-G  
 UL555/555S LISTING: R5531  
 CSFM LISTING: #3235-0245-126



**MOUNTING DETAIL - FLOOR**  
 BASIS OF DESIGN PRODUCT: "RUSKIN" FSD60  
 UL555/555S LISTING: R5531  
 CSFM LISTING: #3235-0245-0126

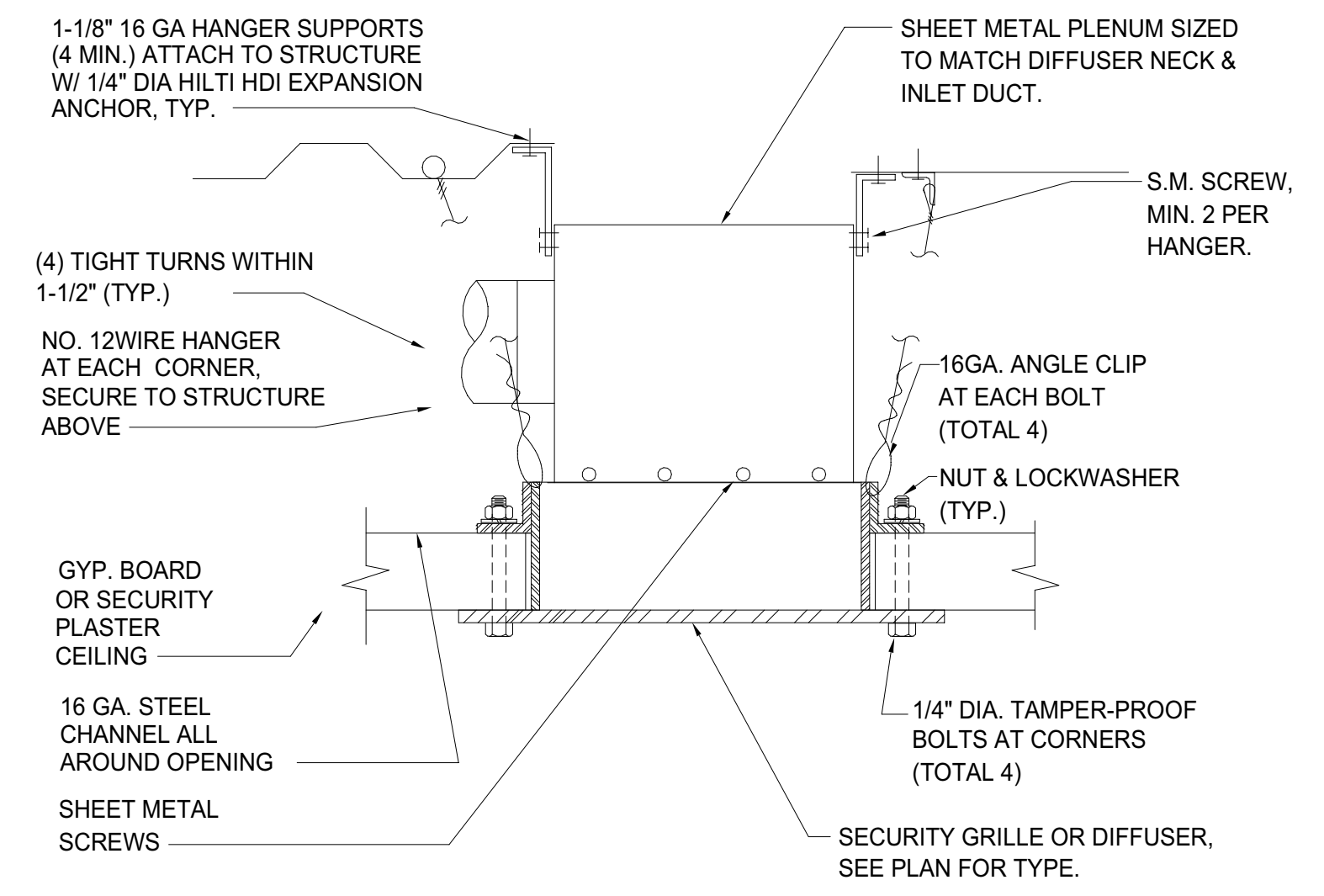


**MAX SEC GRILLE AT CEILING** 2  
 SCALE: NONE M500



**MOUNTING DETAIL - WALL**  
 BASIS OF DESIGN PRODUCT: "RUSKIN" FSD60  
 UL555/555S LISTING: R5531  
 CSFM LISTING: #3235-0245-0126

**MOUNTING DETAIL - WALL**  
 INSTALLATION SHALL BE PER THE DAMPER MANUFACTURER'S U.L. LISTING FOR DAMPER IN THE PLANE OF THE WALL AND ACTUATOR OUTSIDE OF THE DUCT. MANUFACTURER SHALL PROVIDE ALL COMPONENTS NECESSARY TO INSTALL THE DAMPERS PER THIS REQUIREMENT.



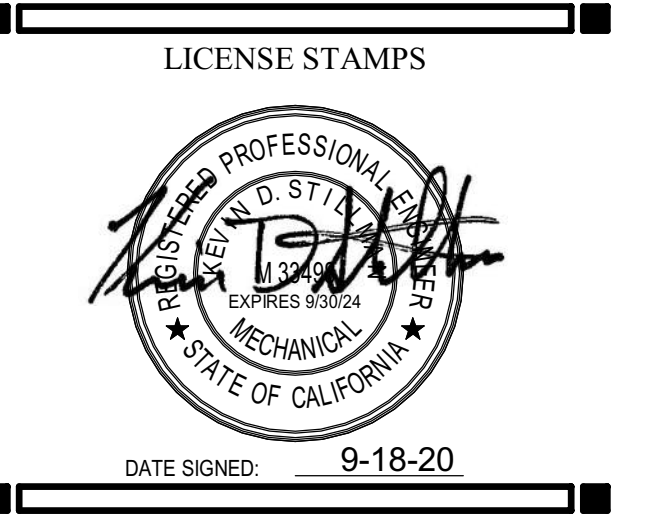
**MED SEC GRILLE AT CEILING** 3  
 SCALE: NONE M500

**COMBINATION FIRE/SMOKE DAMPER INSTALLATION** 5  
 SCALE: NONE M500

- FIRE & SMOKE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. MANUFACTURER'S INSTRUCTIONS SHALL BE MADE AVAILABLE ON-SITE TO THE INSPECTING AUTHORITIES. ACCESS POINTS TO DAMPERS SHALL BE PERMANENTLY IDENTIFIED ON THE EXTERIOR BY A LABEL READING "SMOKE/FIRE DAMPER".**
- DETAILS SHOWN ARE FOR REFERENCE ONLY.
- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1 ACTUATOR (LOCATION MAY VARY). DAMPER MAY BE SUPPLIED WITHOUT ACTUATOR INSTALLED. SEE ACTUATOR INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER ACTUATORS.</li> <li>2 FIRESTAT OR ELECTRONIC FUSE LINK (EFL)</li> <li>3 AUXILIARY OPERATING JACK SHAFT</li> <li>4 FIRE/SMOKE DAMPER</li> <li>5 OVER CENTER LOCK</li> <li>A WHERE DAMPER IS LOCATED IN A SECURITY-BARRIER WALL, PROVIDE SECURITY BAR ACCESSORY OPTION. FACTORY-INSTALLED BY DAMPER MFR. SECURITY BARS SHALL BE WELDED TO DAMPER SLEEVE AND SHALL NOT INVALIDATE THE DAMPER'S UL LISTED INSTALLATION. REFER TO SPECIFICATIONS FOR SECURITY BAR CONSTRUCTION DETAILS.</li> </ul> | <ul style="list-style-type: none"> <li>6 DAMPER SLEEVE</li> <li>7 CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME)</li> <li>8 PICTURE-FRAME OR CONVENTIONAL MOUNTING MOUNTING ANGLES, PER MFR'S INSTRUCTIONS. MIN 1" OVERLAP ON WALL ALL SIDES OF DAMPER</li> <li>9 S-JOINT OR DUCTMATE CONNECTION TO DUCT</li> <li>10 GRILLE/DIFFUSER, WHERE APPLICABLE</li> </ul> |
|---|--|



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PROJECT NAME  
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 929 5th STREET  
 EUREKA, CA 95501

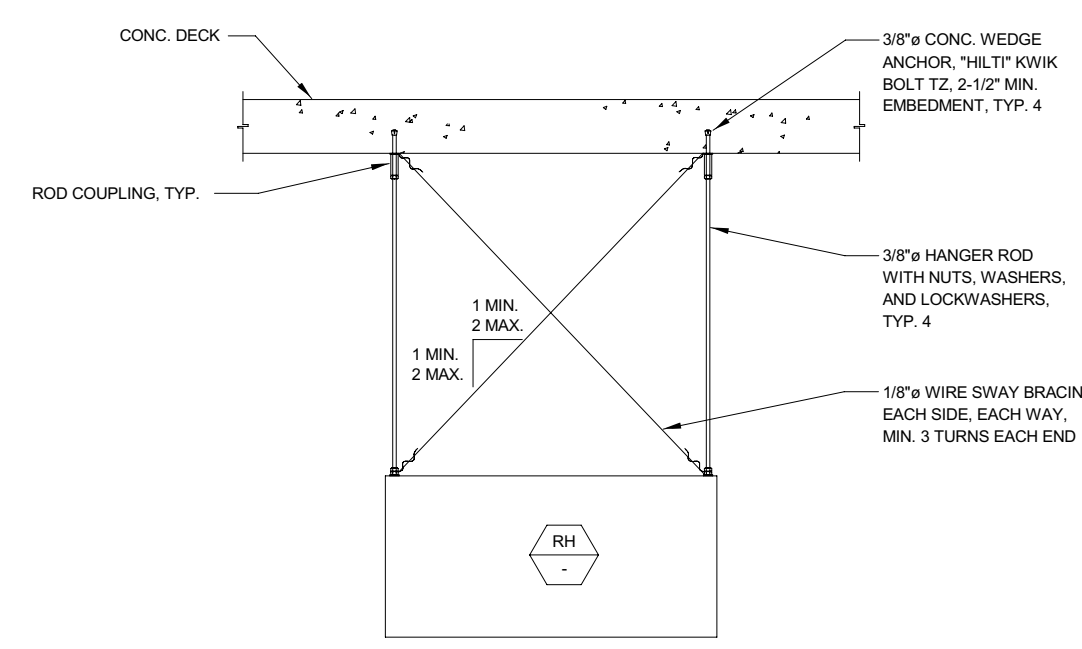
SHEET TITLE  
**HVAC DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	12" = 1'-0"
Project No.	16-6421.00

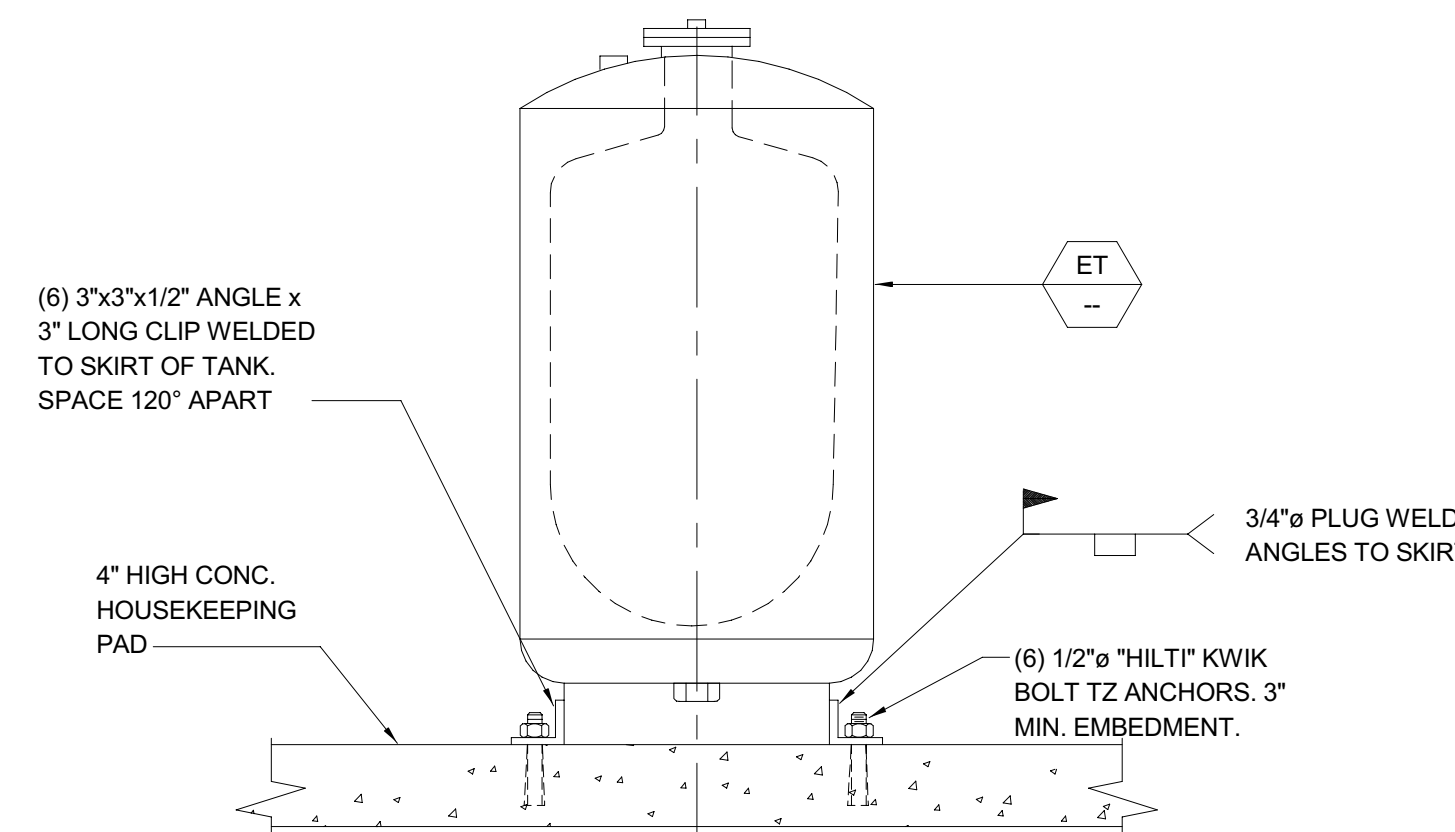
SHEET No.  
**M500 V4**



### RADIANT HEATER MOUNTING

SCALE: NONE

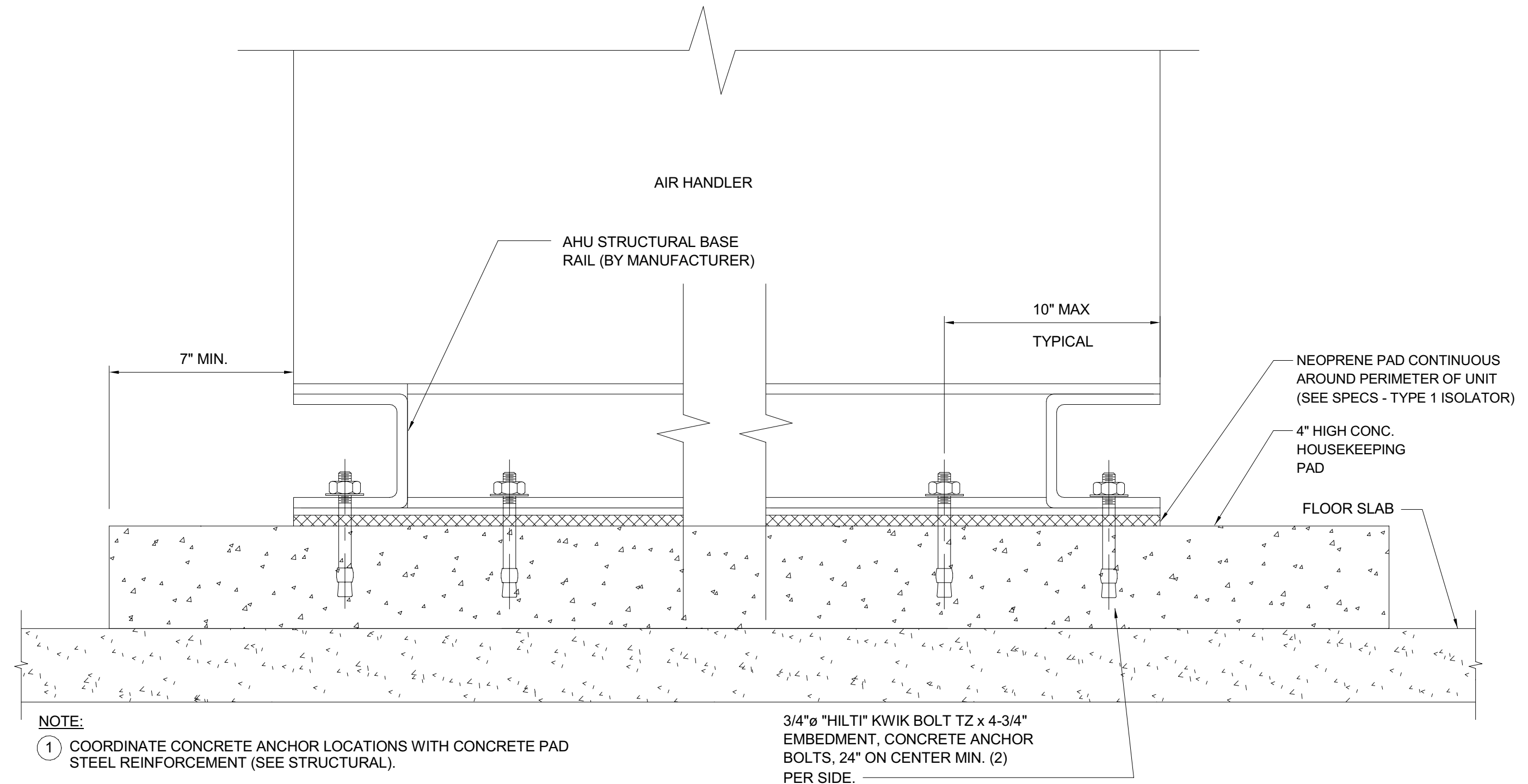
9  
M501



### EXPANSION TANK MOUNTING

SCALE: NONE

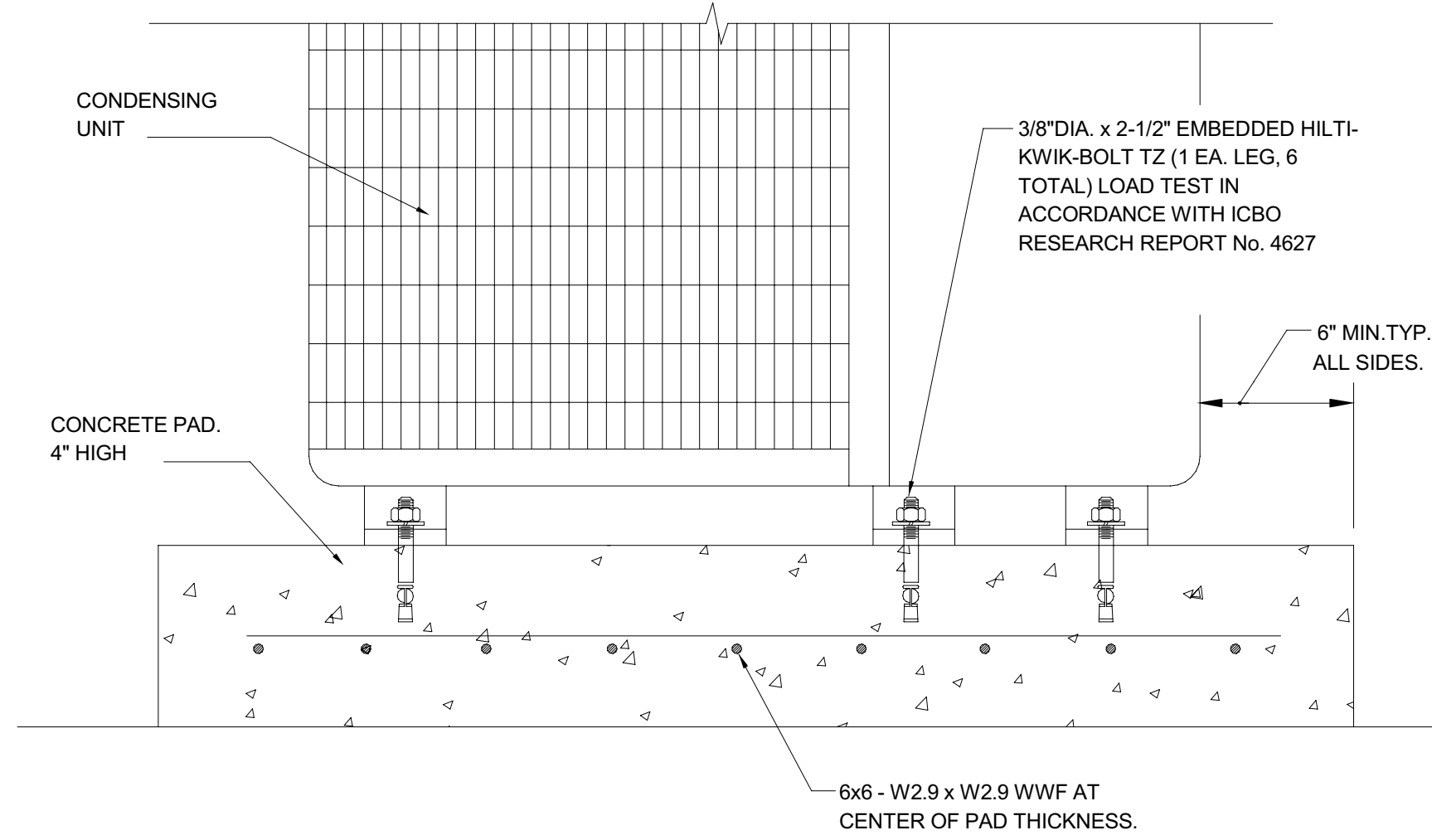
6  
M501



### AIR HANDLING UNIT MOUNTING

SCALE: NONE

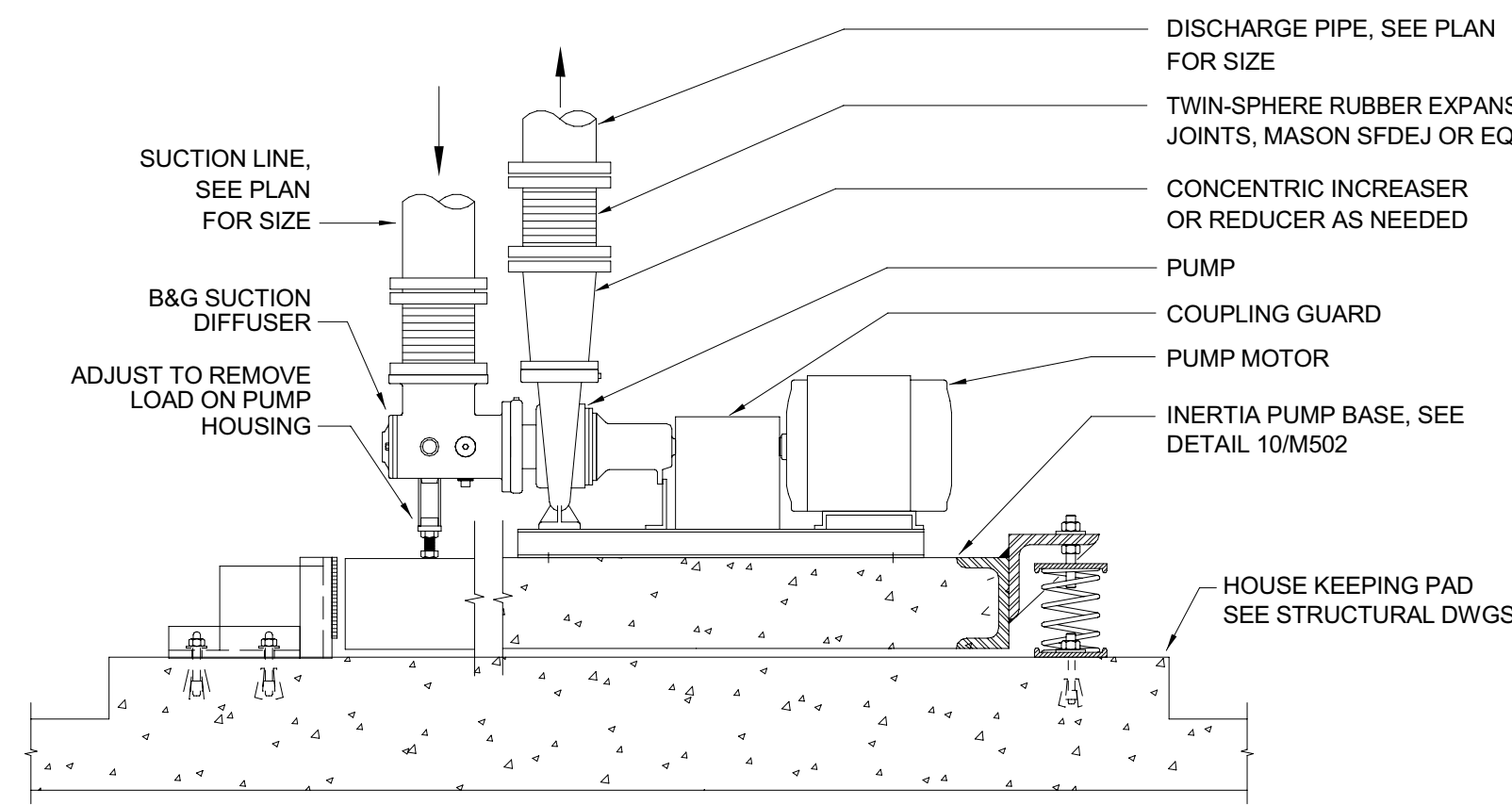
1  
M501



### SCU MOUNTING

SCALE: NONE

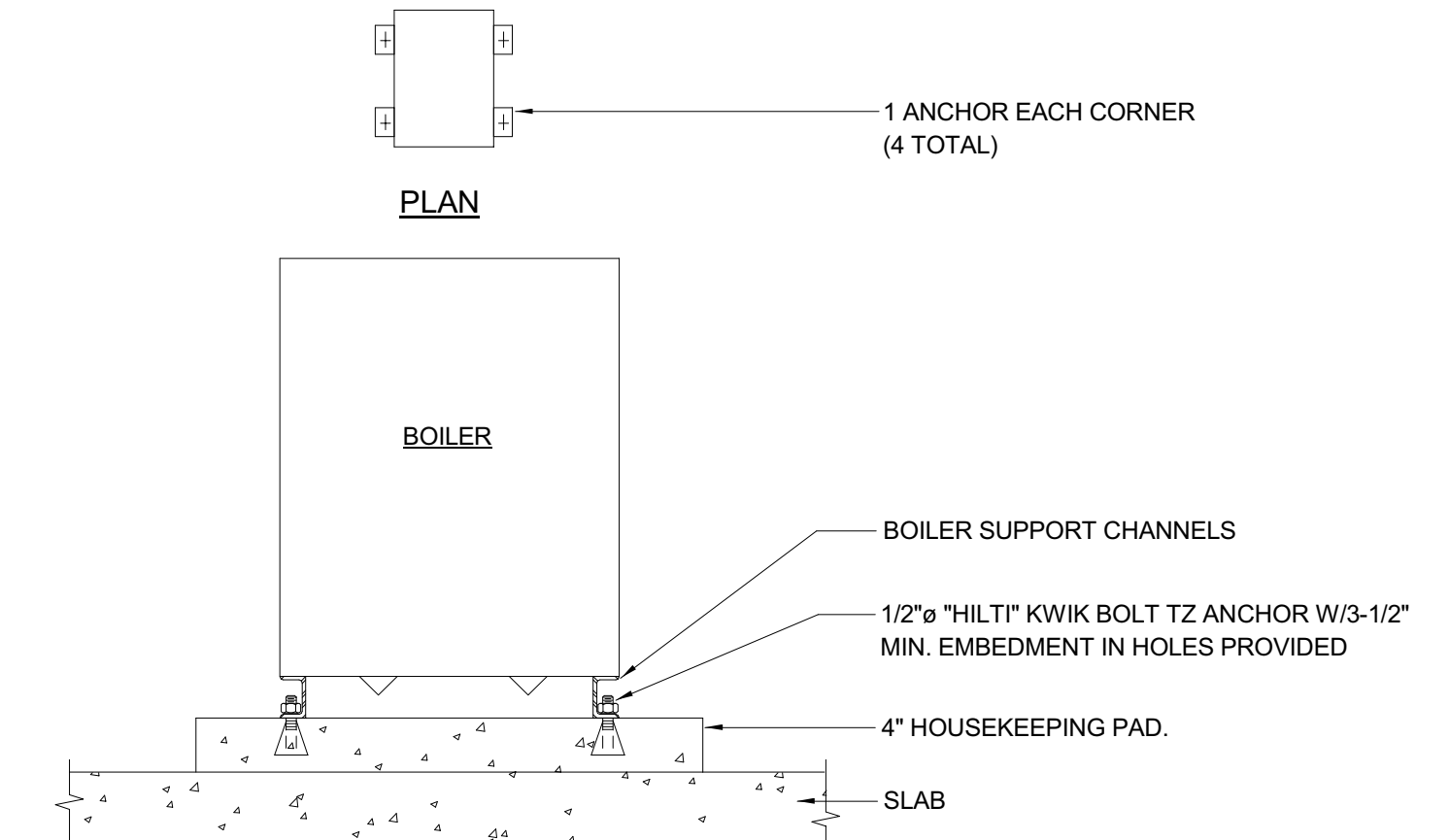
7  
M501



### BASE MOUNTED PUMP

SCALE: NONE

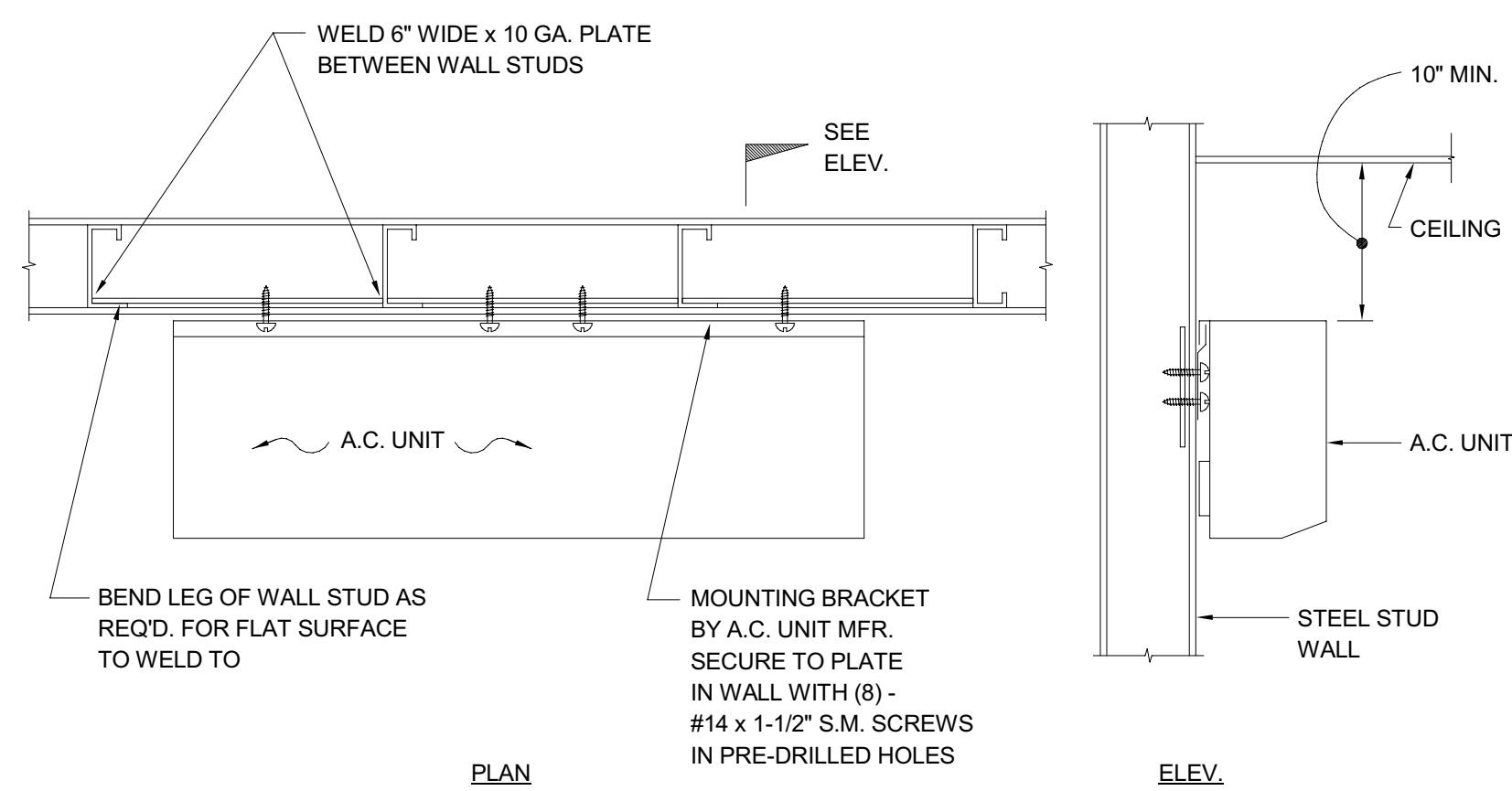
4  
M501



### BOILER MOUNTING

SCALE: NONE

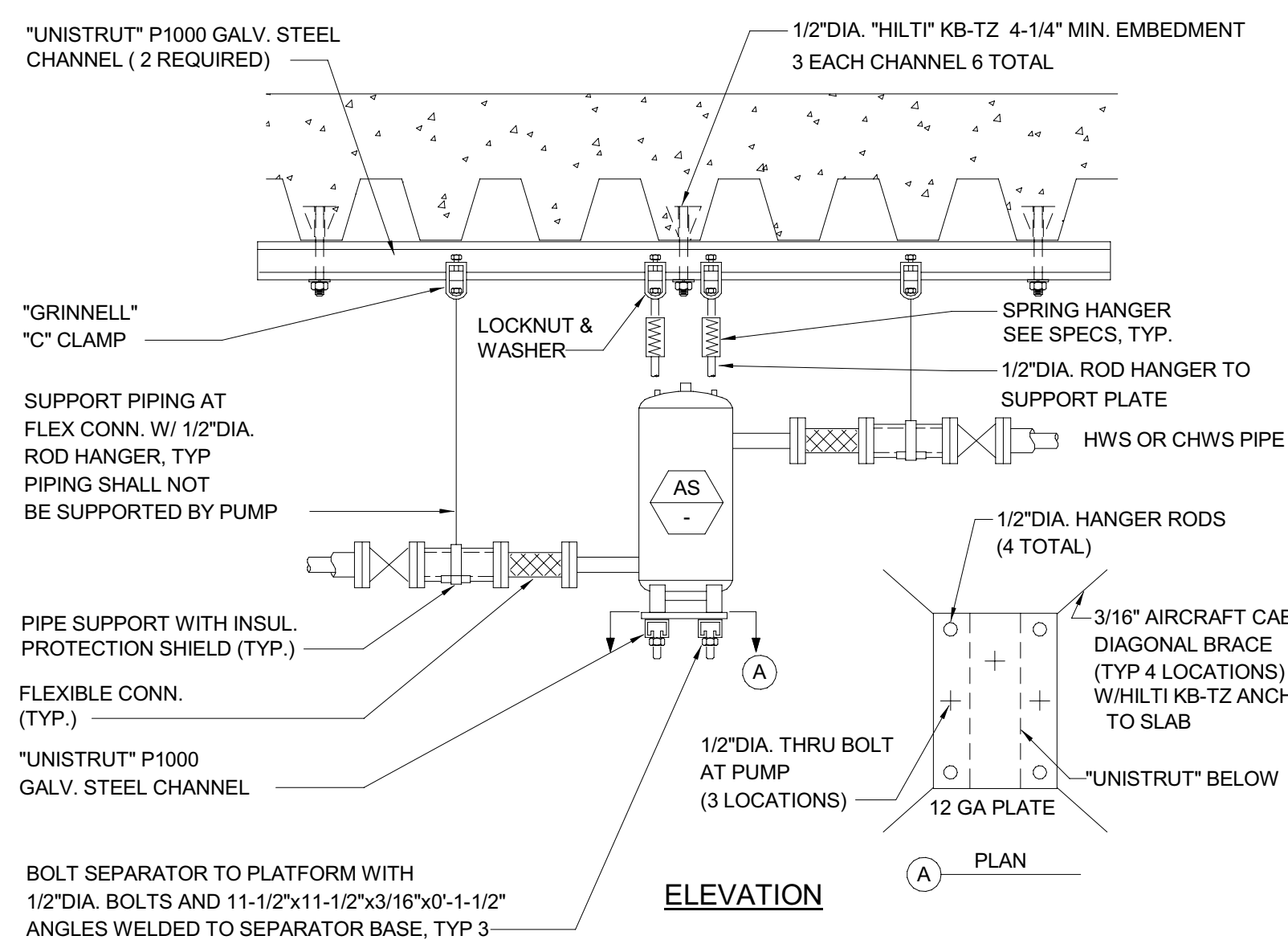
2  
M501



### SAC WALL MOUNTING UNIT

SCALE: NONE

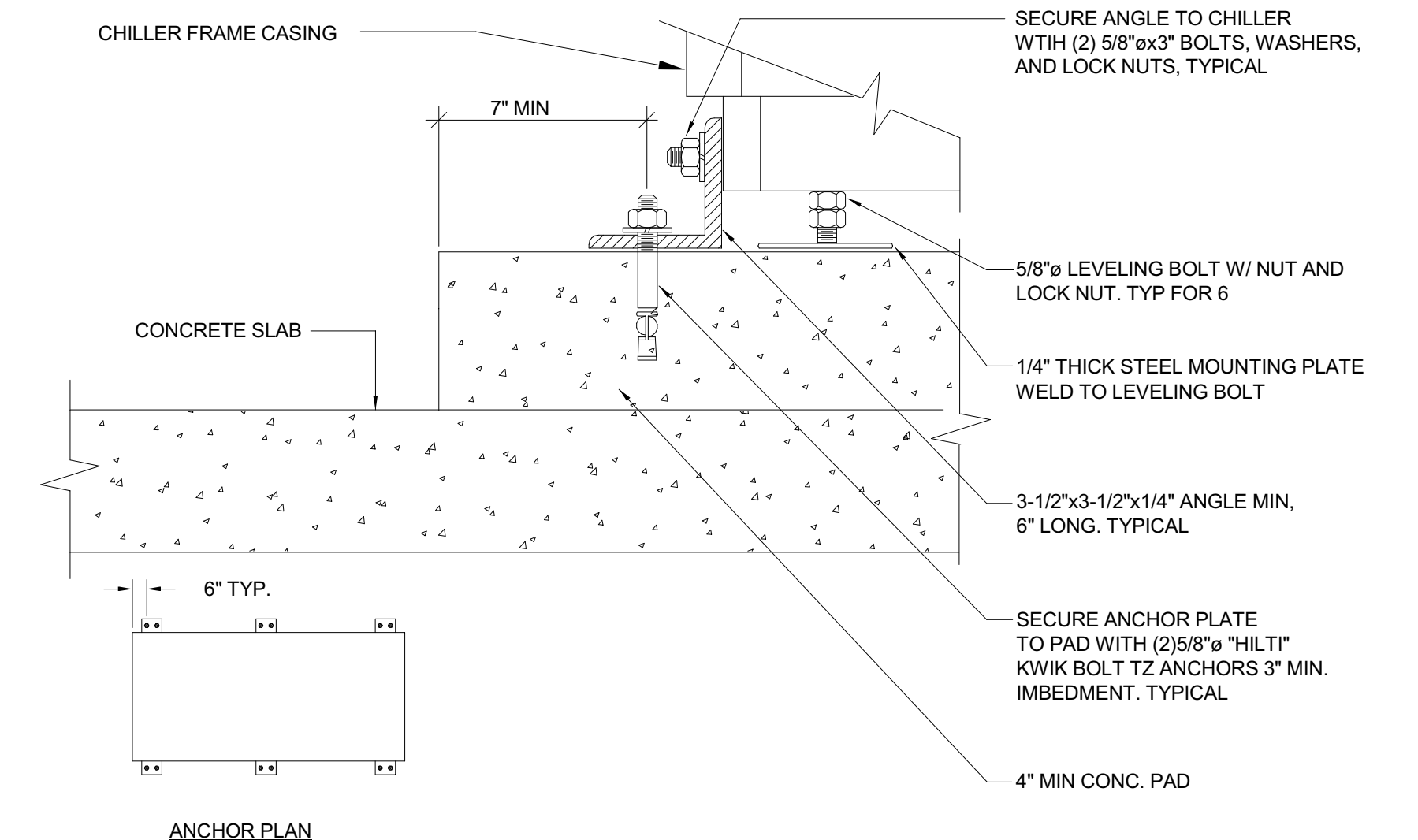
8  
M501



### AIR SEPARATOR MOUNTING

SCALE: NONE

5  
M501



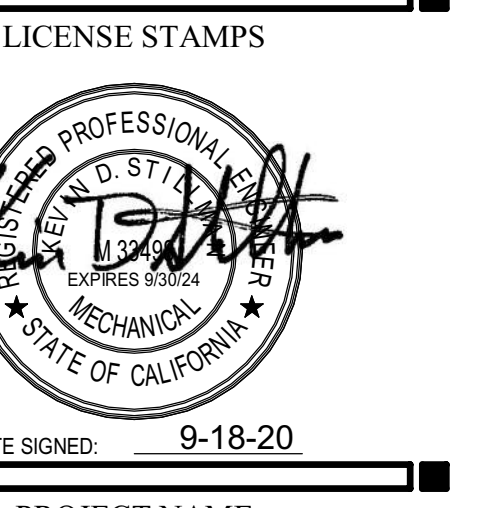
### CHILLER MOUNTING

SCALE: NONE

3  
M501



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EUREKA, CA 95501

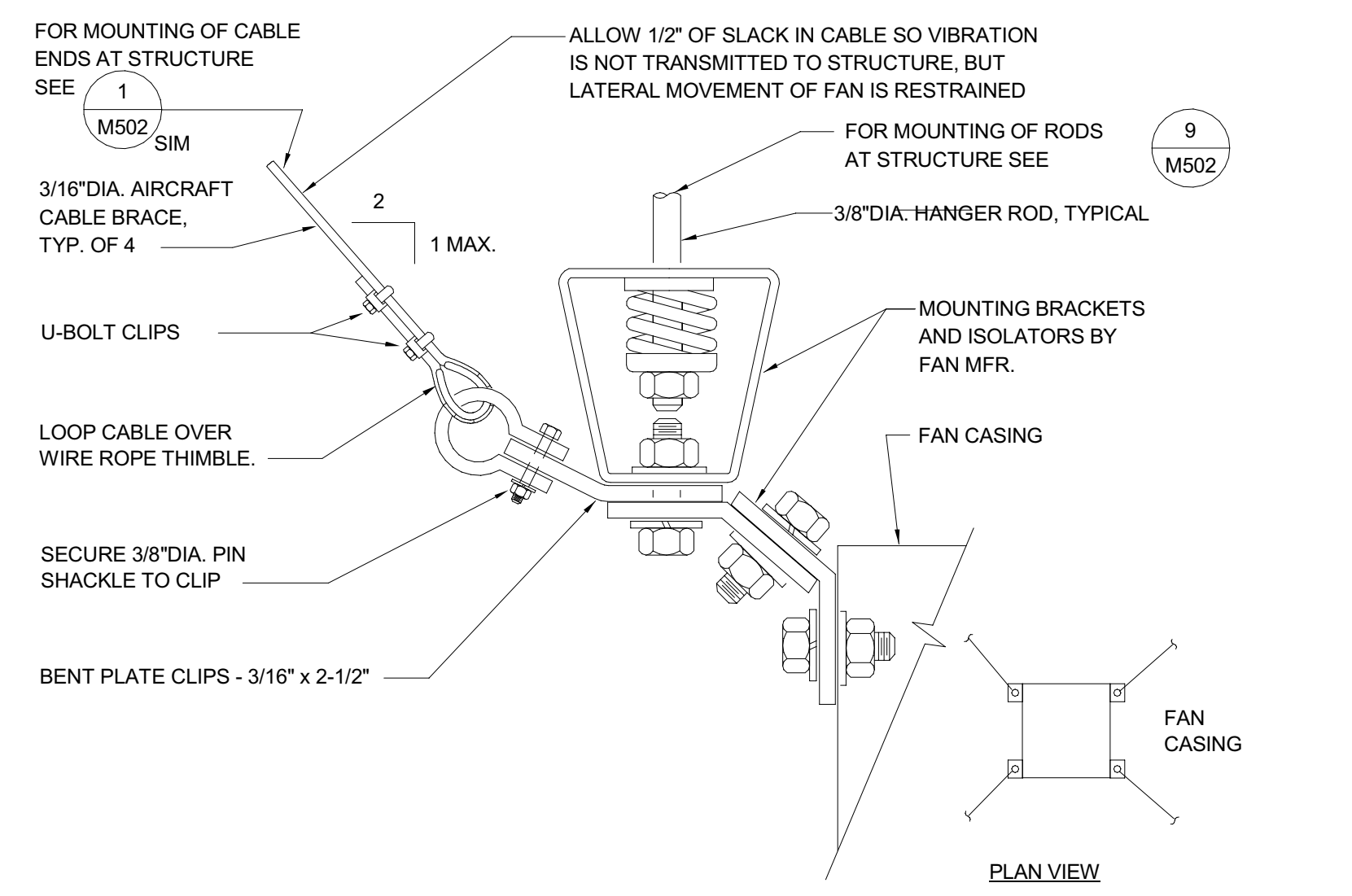
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**HVAC DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

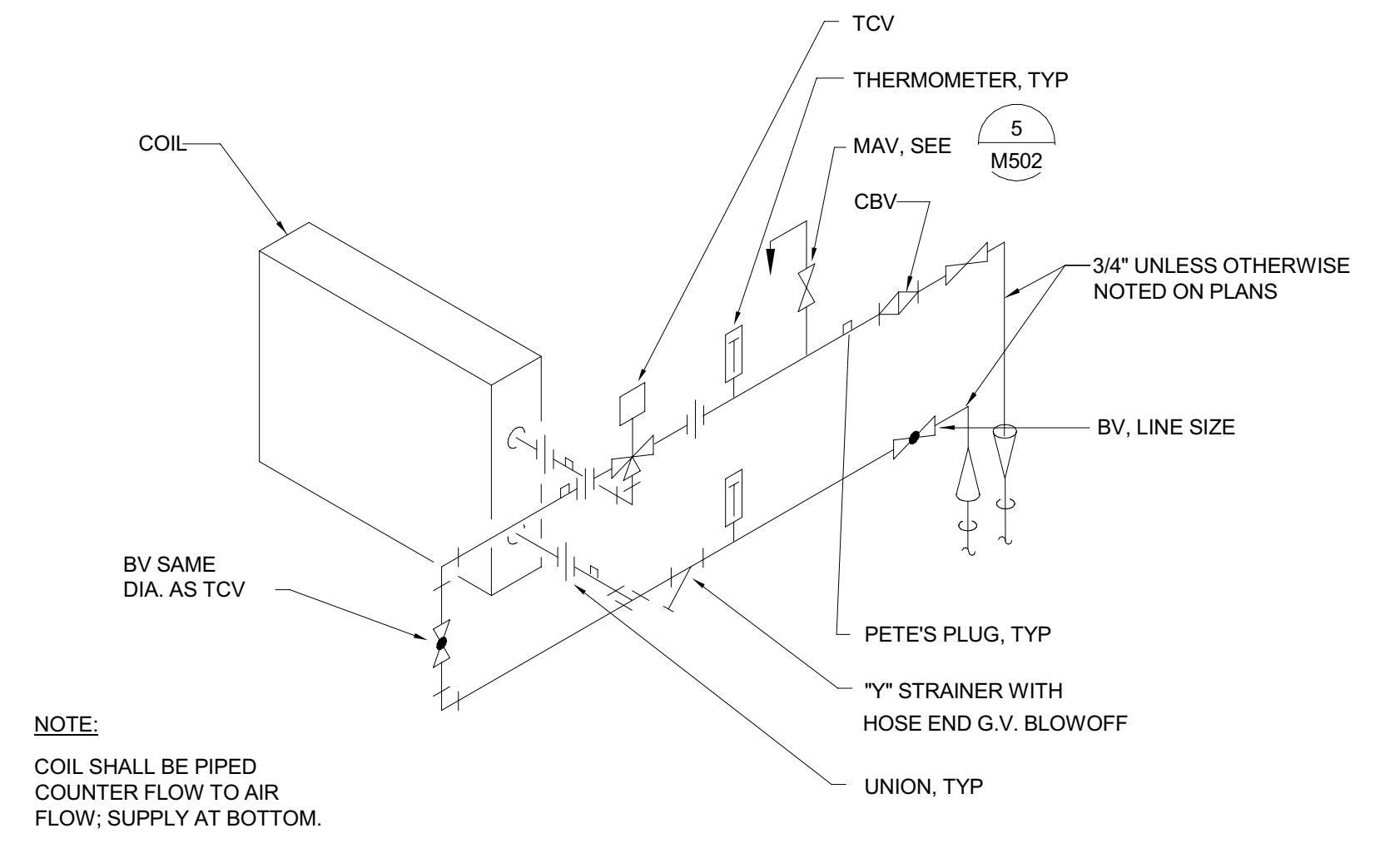
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Delta	Description	Date

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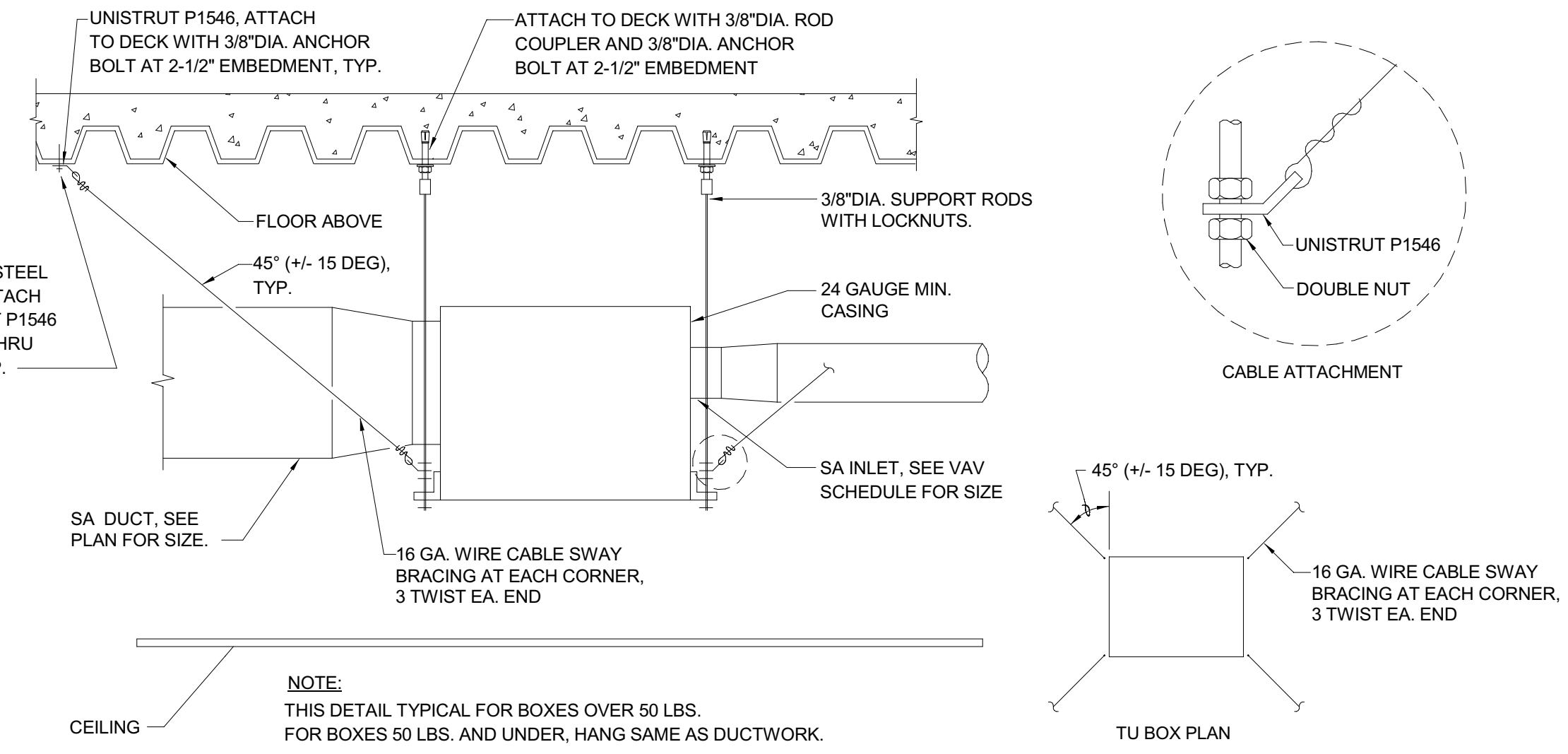
SHEET No.  
**M501 V4**



**INLINE FAN MOUNTING DETAIL**  
SCALE: NONE



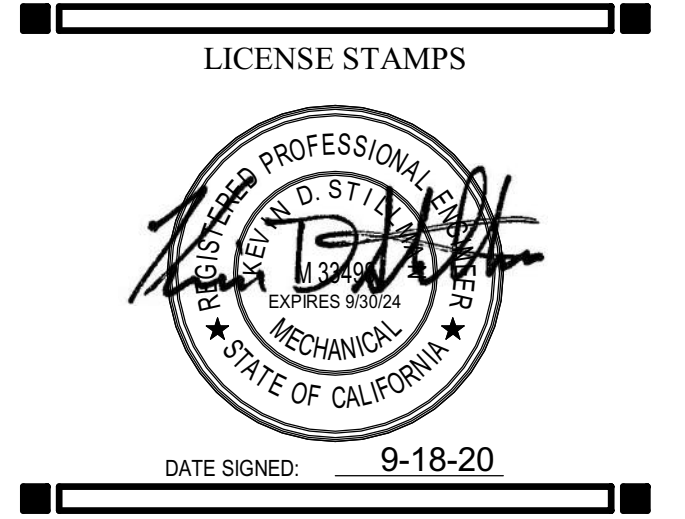
**REHEAT COIL PIPING (3-WAY) DETAIL**  
SCALE: NONE



**VAV MOUNTING DETAIL**  
SCALE: NONE



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**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
HVAC DETAILS

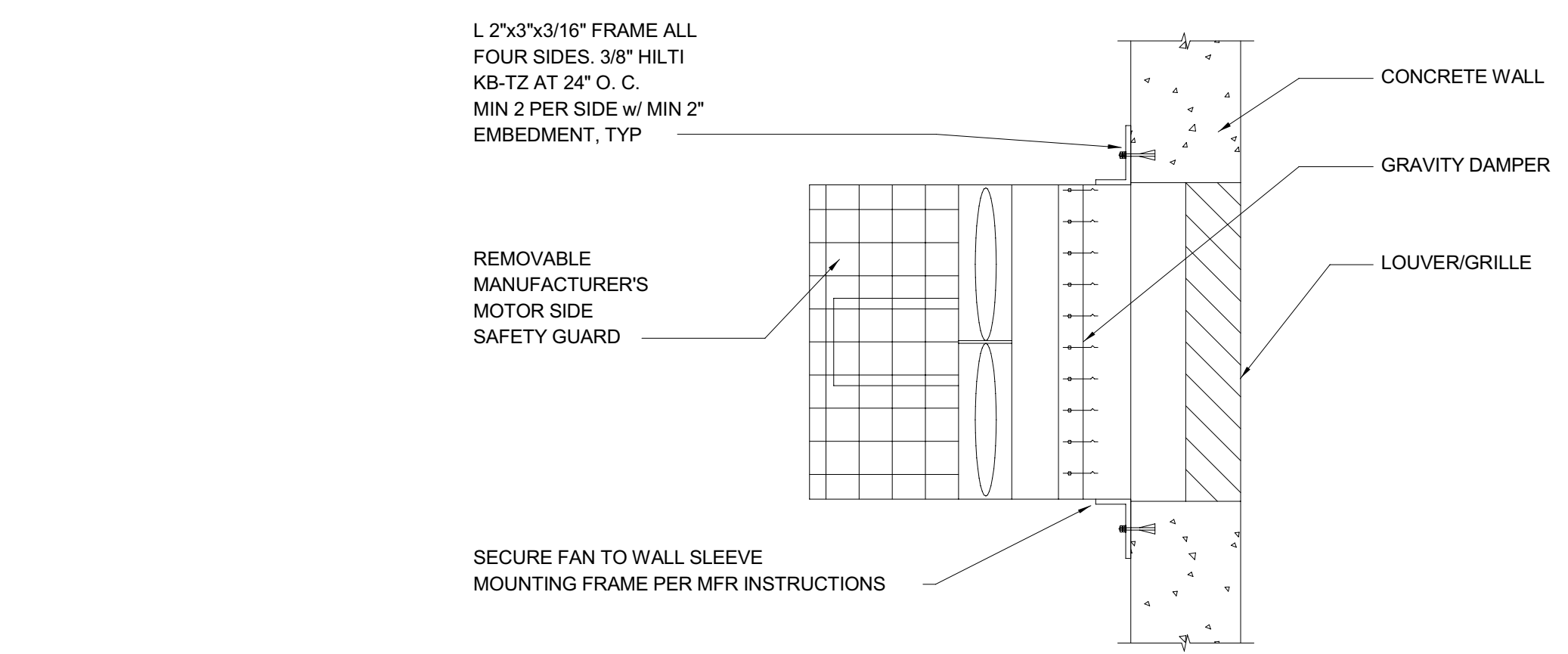
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WORKING DRAWINGS

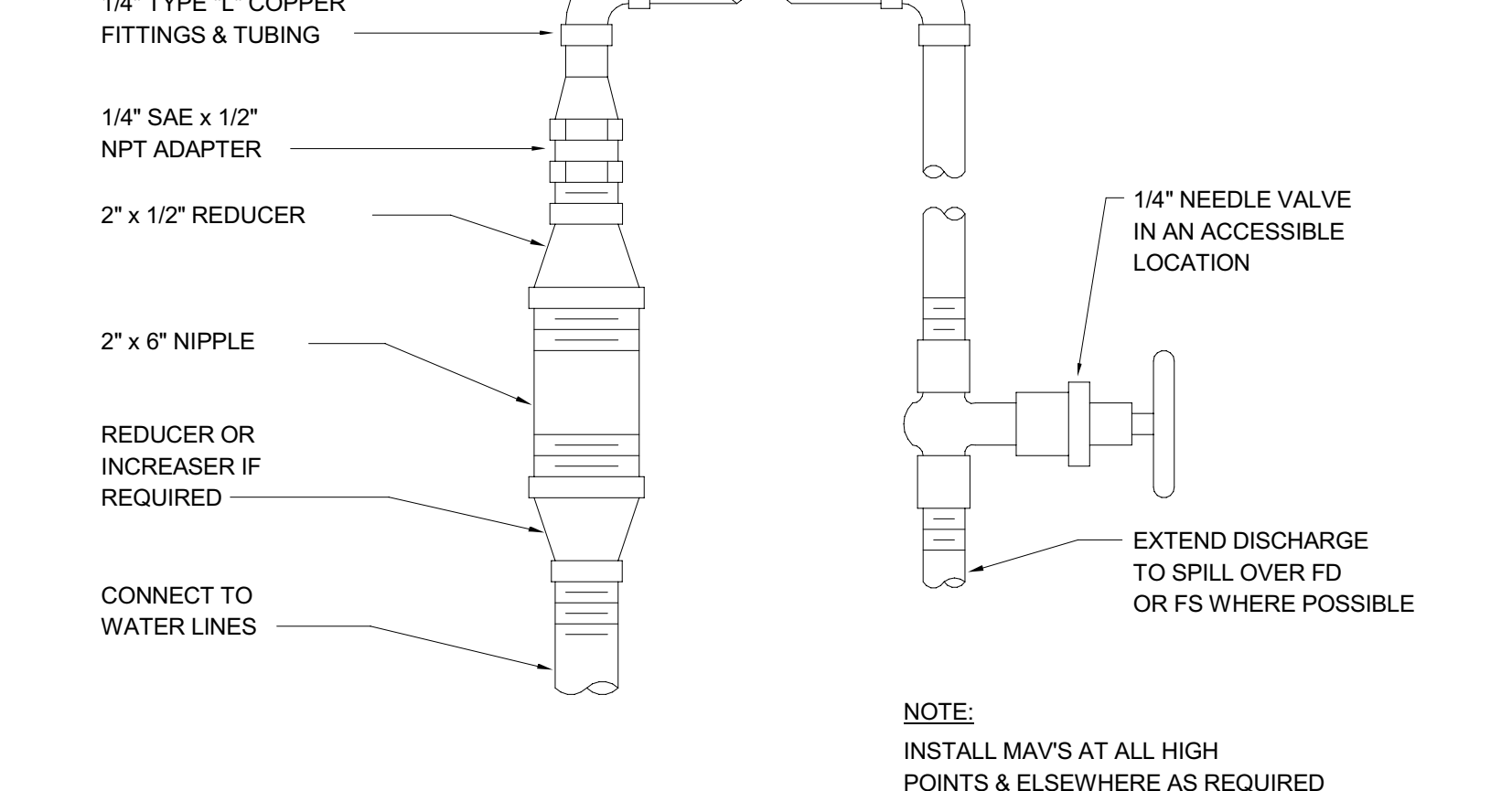
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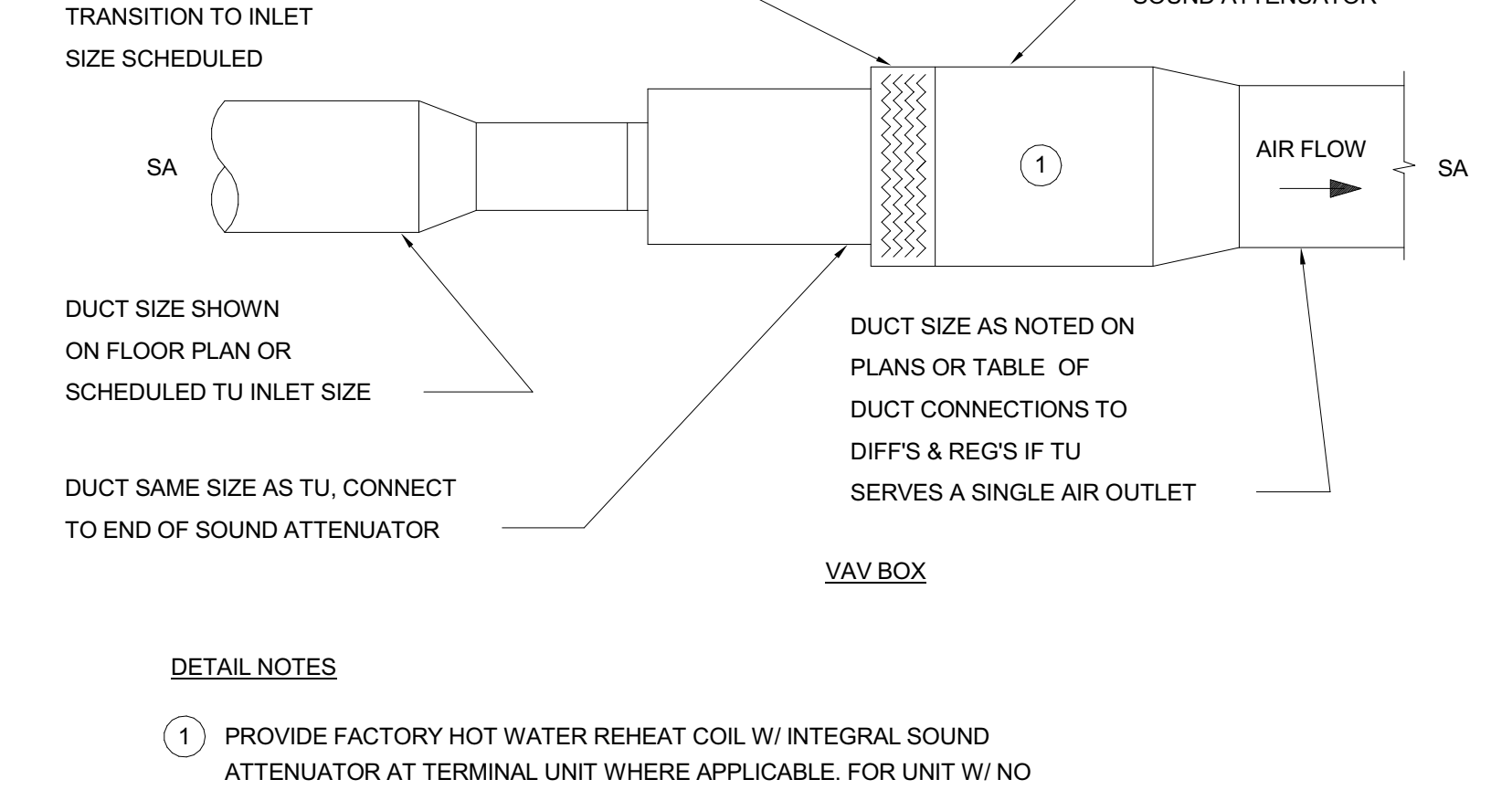
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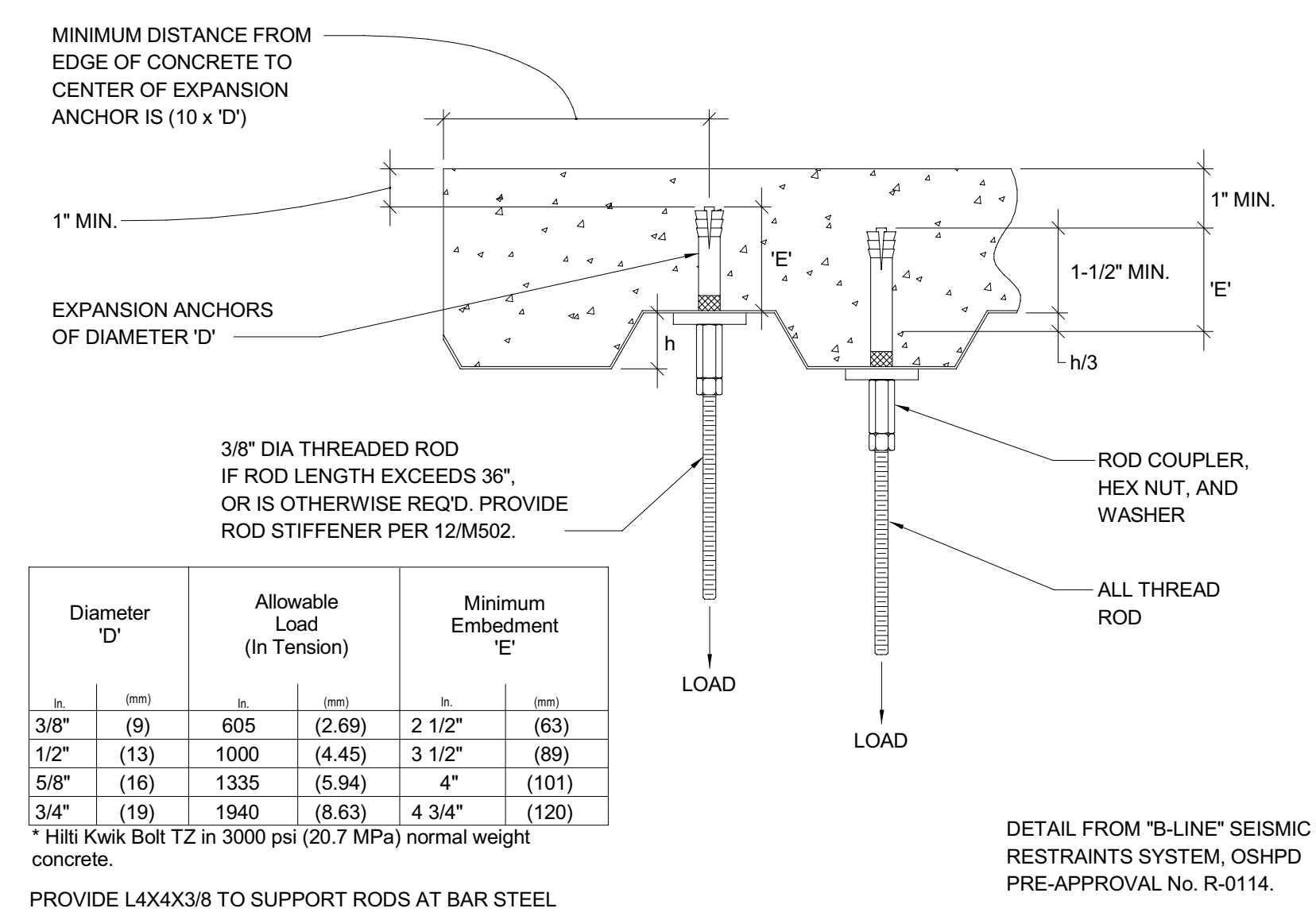
**SIDEWALL FAN MOUNTING DETAIL**  
SCALE: NONE



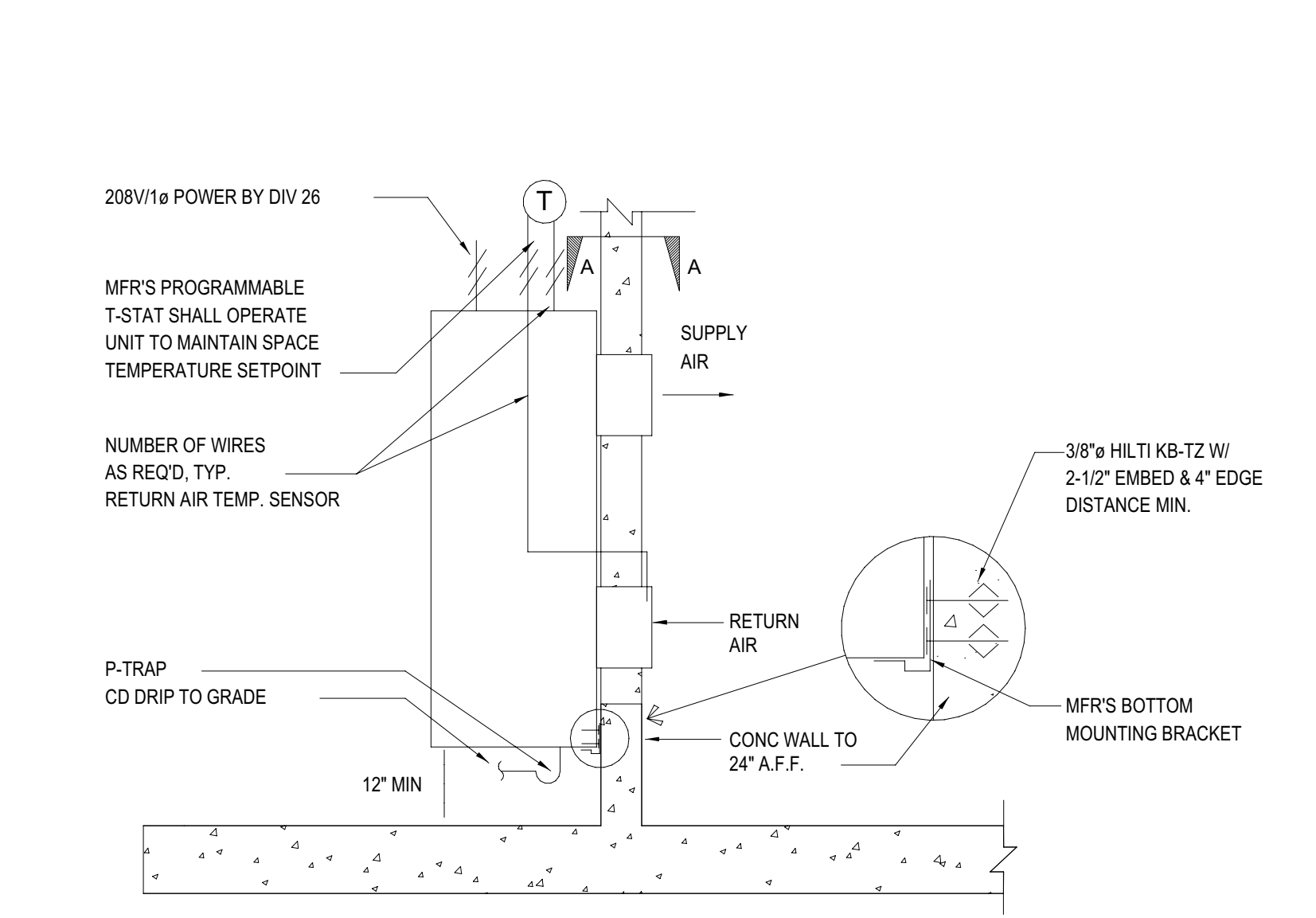
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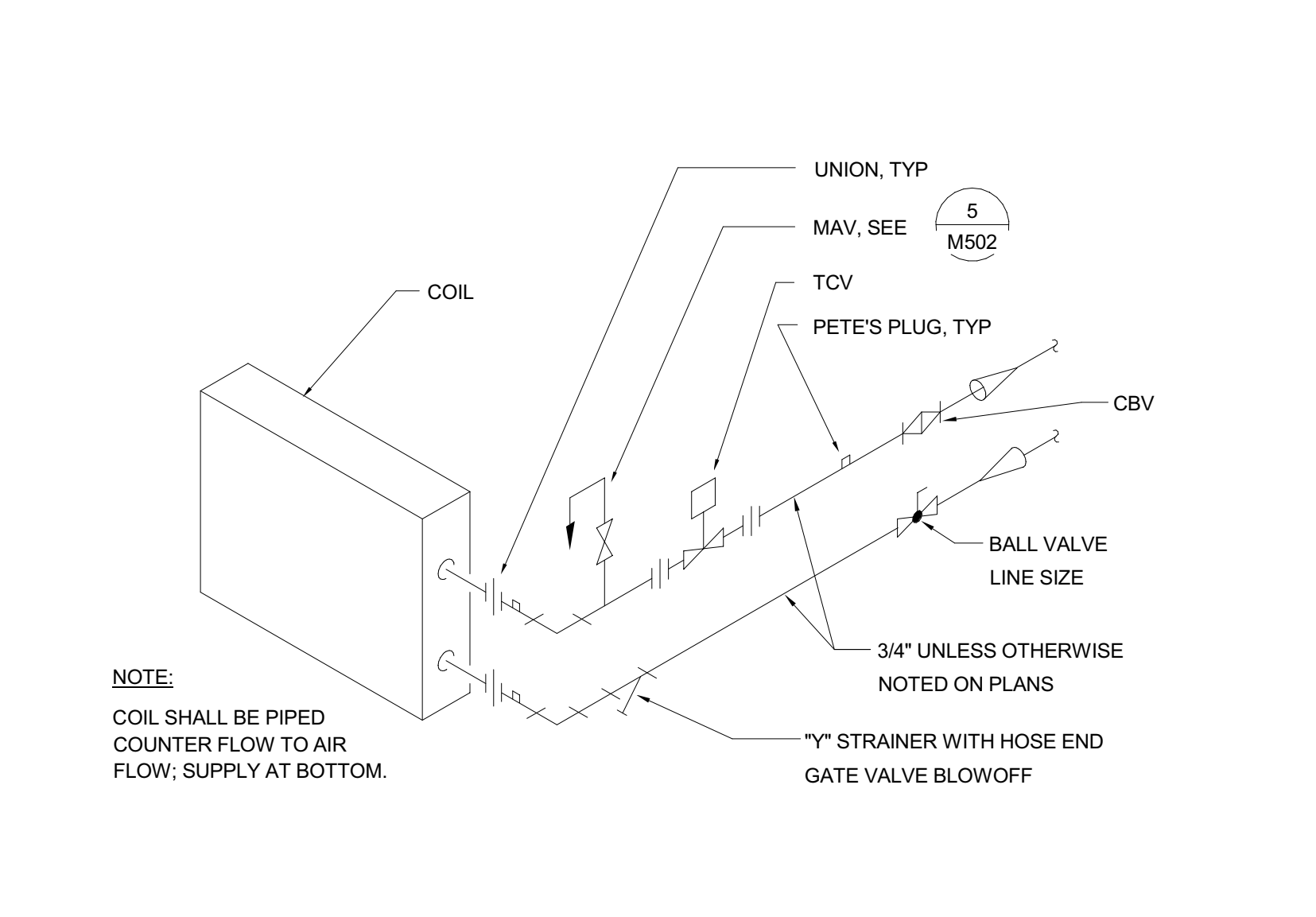
**TERMINAL UNIT DUCTWORK DETAIL**  
SCALE: NONE



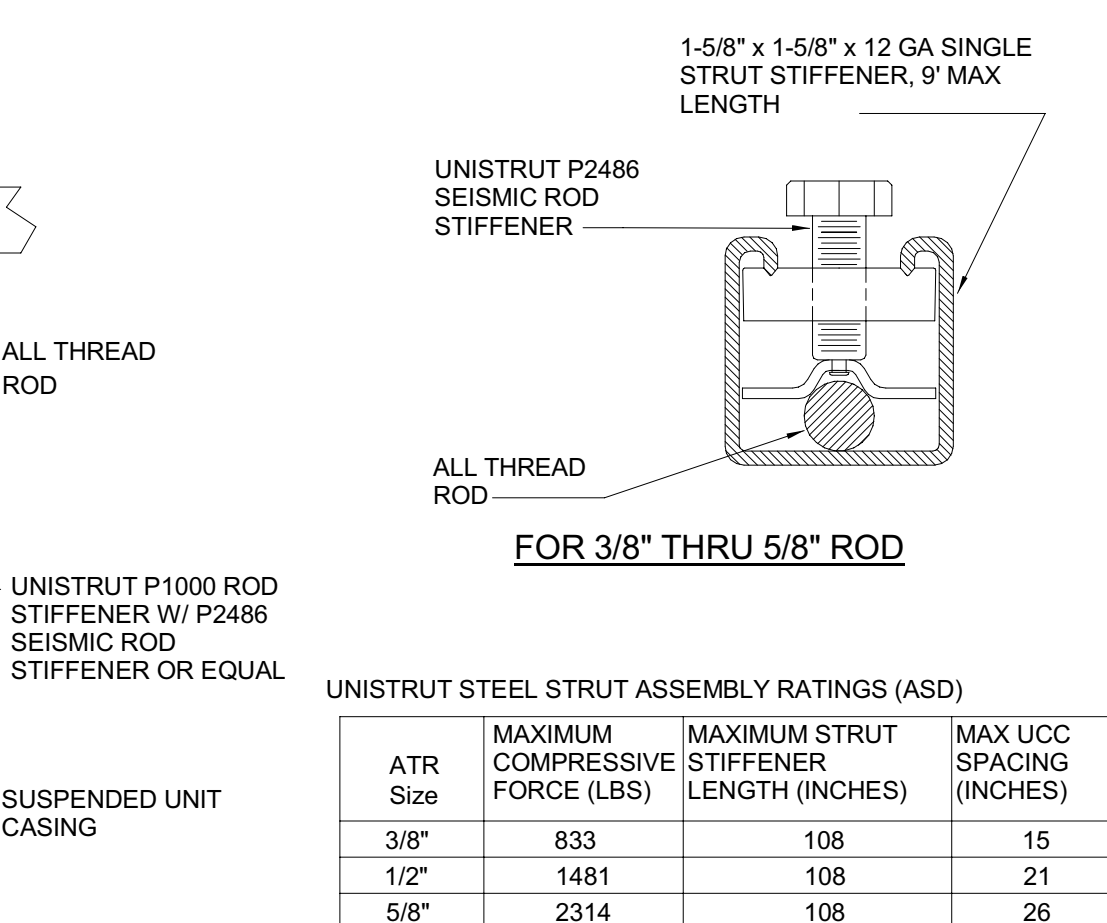
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SCALE: NONE



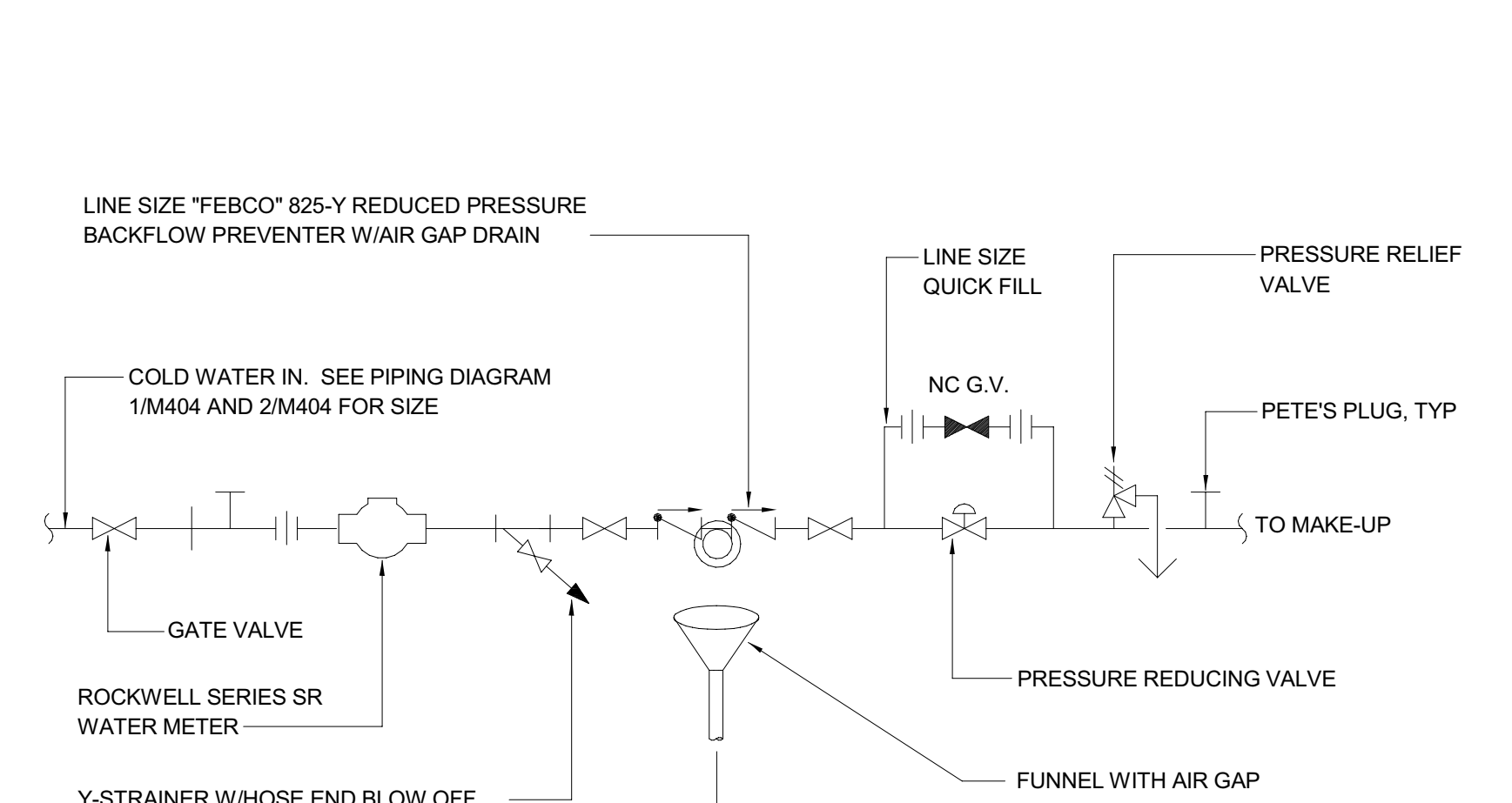
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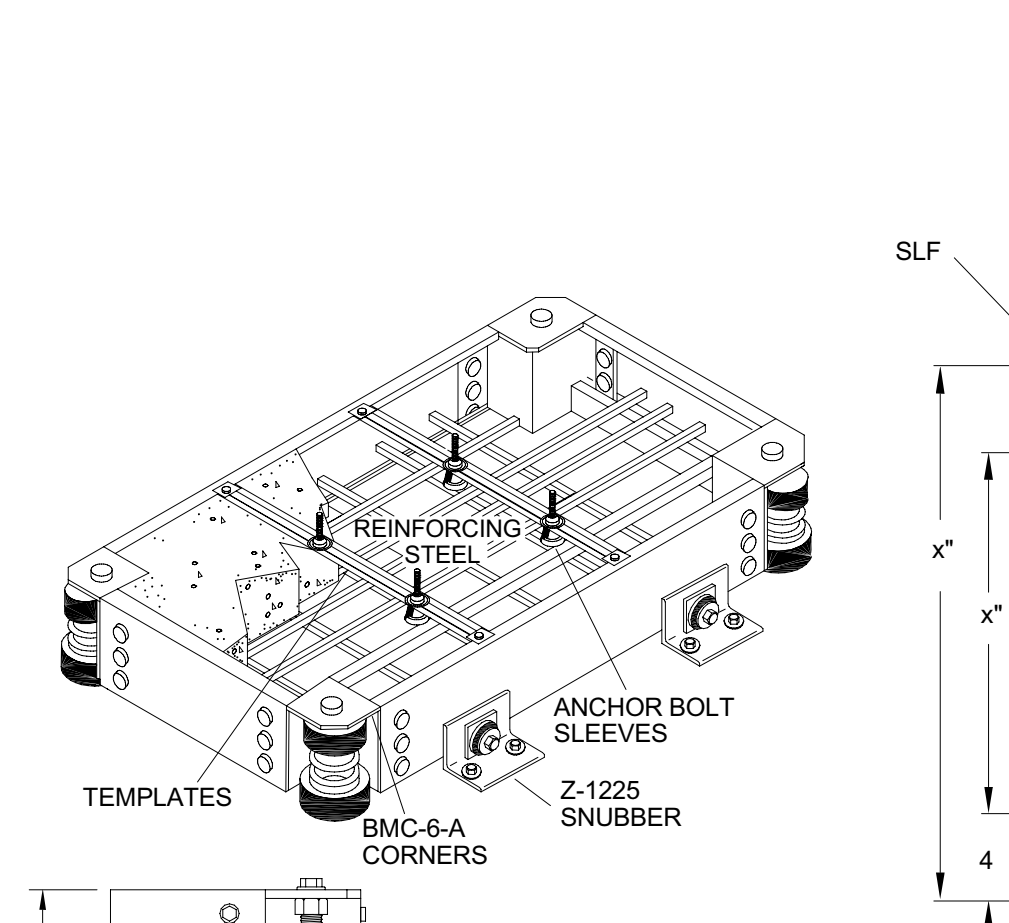
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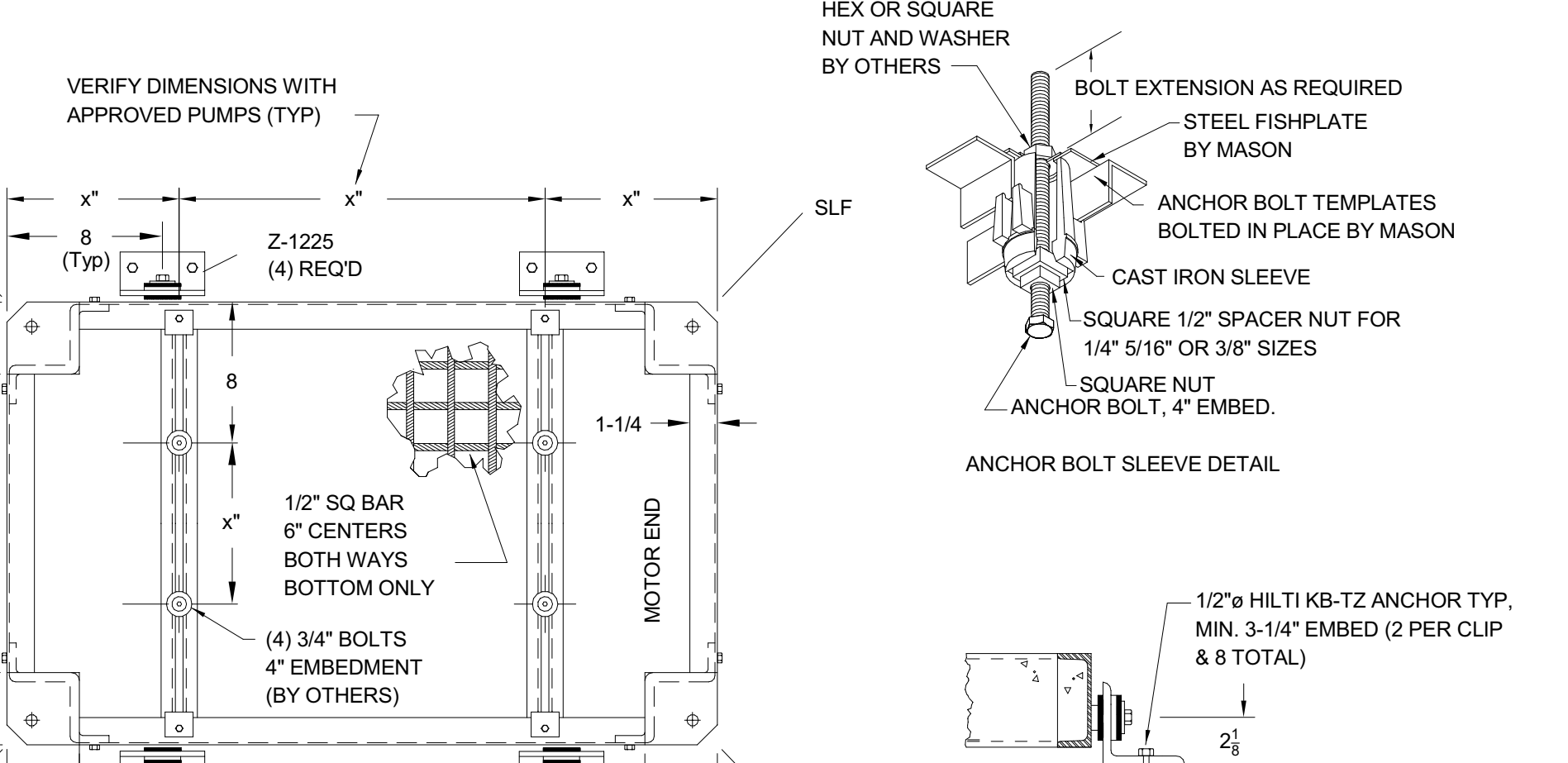
**ROD STIFFENER DETAIL**  
SCALE: NONE



**MAKE-UP SET DETAIL**  
SCALE: NONE



**PUMP ISOLATION INERTIA BASE**  
SCALE: NONE



**ROD STIFFENER DETAIL**  
SCALE: NONE

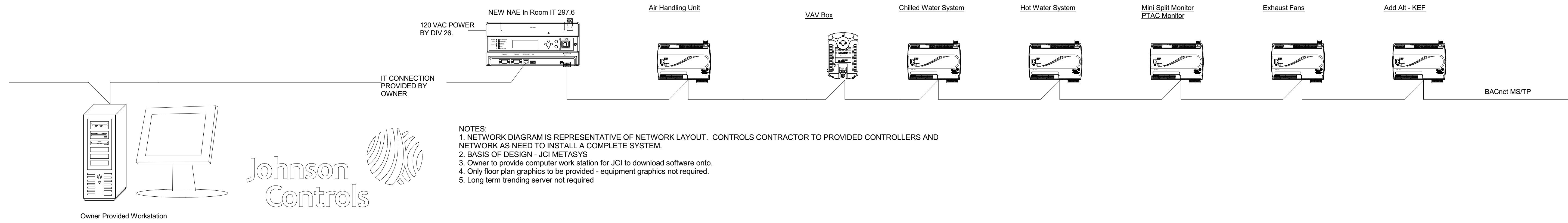
**MAKE-UP SET DETAIL**  
SCALE: NONE

**PUMP ISOLATION INERTIA BASE**  
SCALE: NONE

**ROD STIFFENER DETAIL**  
SCALE: NONE

**PUMP ISOLATION INERTIA BASE (SINGLE BASE FOR BOTH CHW/HHW PUMPS IS ACCEPTABLE)**  
SCALE: NONE

**MAKE-UP SET DETAIL**  
SCALE: NONE

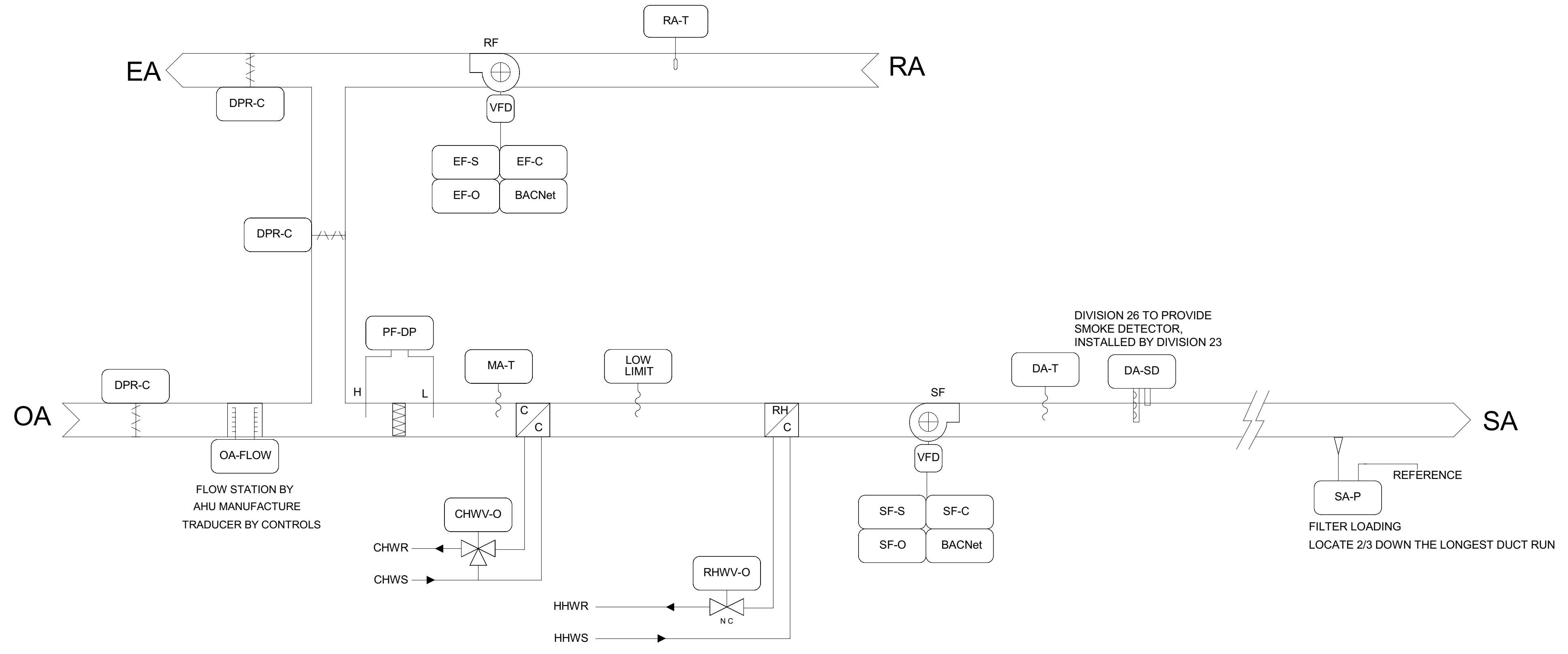


### NETWORK RISER DIAGRAM

SCALE : NONE

1  
M600

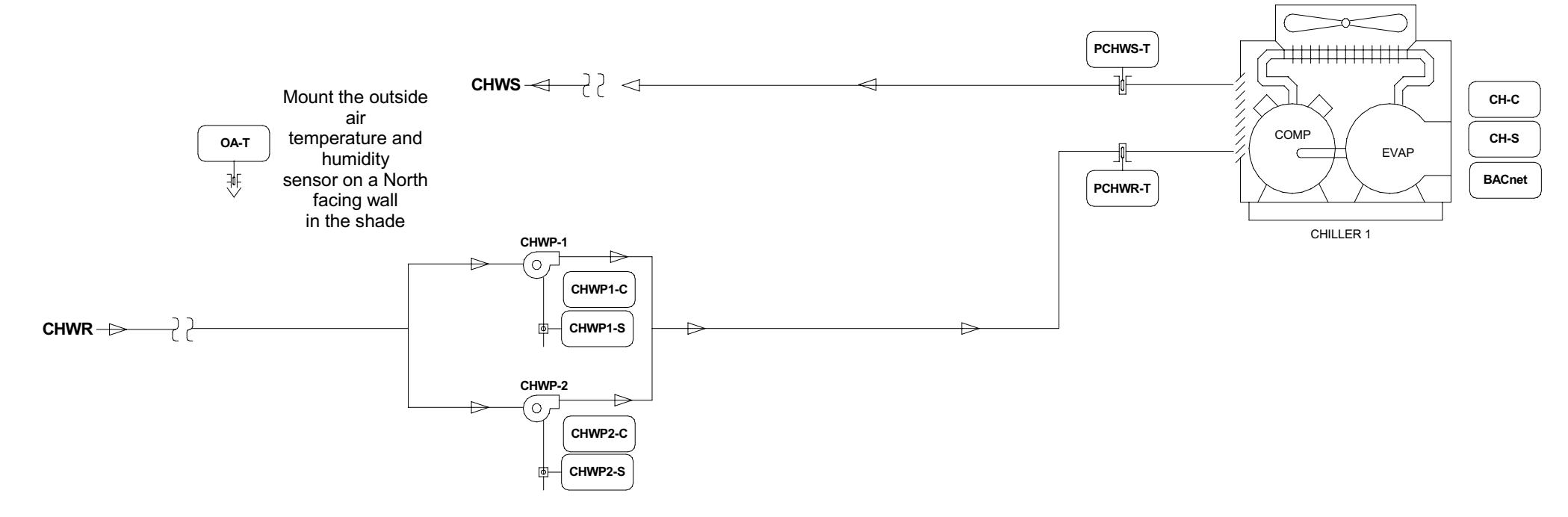
- NOTES:
1. NETWORK DIAGRAM IS REPRESENTATIVE OF NETWORK LAYOUT. CONTROLS CONTRACTOR TO PROVIDED CONTROLLERS AND NETWORK AS NEED TO INSTALL A COMPLETE SYSTEM.
  2. BASIS OF DESIGN - JCI METASYS
  3. Owner to provide computer work station for JCI to download software onto.
  4. Only floor plan graphics to be provided - equipment graphics not required.
  5. Long term trending server not required



### CONTROL POWER COORDINATION

SCALE : NONE

3  
M600



#### Sequence of Operation - Chilled Water System

**Chiller - Chilled Water Pumps:**  
The building chilled water system is served by two primary chilled water pumps.

When a cooling demand exists (an air handler chilled water valve is open greater than 95%) for a continuous 5 minute period, the BMS will command a single pump on. When the second AHU has a cooling demand ( air handler chilled water valve is open greater than 95%) the second pump will be commanded on. Simultaneously the BMS will turn off pumps as AHU cooling demand drops to 0.

If the energized pump's operation is not confirmed within 1 minute by the pump status (CHWPx-S), then a "pump failure alarm" is reported to the Operator Work Station.

The BMS system will leadlag the pumps as necessary to equalize run time on a monthly basis.

**Chiller Control:**  
The chiller will be enabled based on a cooling demand as defined above. On proof of water flow (based on the chiller internal flow switch), the chiller is started. The chiller will control for the chilled water supply temperature at a setpoint of 44F (adjustable) via internal chiller controls. The chiller will be disabled when the cooling demand falls to zero.

The BMS is to monitor/command the chiller via the BACnet gateway. BMS contractor to display relevant chiller data in the user view in the BMS. Controls contractor to reference chiller manufacture BACnet list to coordinate BACnet data into the BMS user view.

The BMS will monitor a dry contract alarm point on the chiller control board for generic system alarm. If the chiller alarms - the BMS will alert at the OWS.

**Monitoring Points:**  
-Primary Chilled Water Supply and Return Temperature  
-Chiller Status/Alarm  
-Outside Air Temperature

### AIR COOLED CHILLER CONTROL DIAGRAM

SCALE : NONE

4  
M600

**SUPPLY FAN CONTROL:**  
The variable speed supply fan (SF-C) will be started based on occupancy schedule (OCC-SCHEDULE). When the supply fan status (SF-S) indicates the fan started, the control sequence will be enabled. The supply fan (SF-O) will modulate to maintain the discharge static pressure (DA-P) at setpoint (DAP-SP). Upon a loss of airflow (SF-S), the system will attempt to automatically restart until positive status is received.

**RETURN FAN CONTROL:**  
After the supply fan has been started, the variable speed return fan will be started. The return fan (RF-O) will modulate in conjunction with the supply fan. The return fan will lag the supply fan by a percentage differential.

**ECONOMIZER CONTROL:**  
When the outdoor air (OA-T) is cooler than the economizer setpoint, the economizer will act as the initial stage of cooling, working in sequence with the cooling coil.

**MINIMUM OA CONTROL:**  
The OA damper (OAD-O) will open and close as required to maintain the minimum OA flow setpoint.

**TEMPERATURE CONTROL:**  
The discharge air temperature setpoint (DAT-SP) will be reset as the outdoor air temperature (OA-T) changes.  
OAT greater than 85F - DAT=55F  
OAT less than 85F - DAT=65F  
Schedule will be user adjustable at the interface.

**OCCUPIED MODE:**  
The occupancy mode will be controlled via a network input (OCC-SCHEDULE). The occupancy mode can also be overridden by a network input (OCC-OVERRIDE). AHU will be overridden in increments of 1 hour (user adjustable). The override input will come from an occupancy button on the various VAV box zone temperature sensors.

**UNOCCUPIED MODE:**  
The unit will cycle to maintain unoccupied zone setpoints (CLGUNOCC-SP & HTGUNOCC-SP) during unoccupied periods.

**COOLING COIL:**  
The cooling coil (CLG-O) will modulate to maintain the temperature setpoint. When the unit is shutdown, the cooling coil will be commanded to a preset position should the outdoor air temperature (OA-T) fall below the low outdoor air temperature setpoint (OALT-SP). Upon a loss of airflow (SF-S), the cooling coil will be off.

**REHEAT COIL:**  
The reheat coil (RH-O) will modulate to maintain the temperature setpoint. When the unit is shutdown, the reheat coil will be commanded to a preset position should the outdoor air temperature (OA-T) fall below the low outdoor air temperature setpoint (OALT-SP). Upon a loss of airflow (SF-S), the reheat coil will remain in control.

**SUPPLY AIR TEMPERING:**  
While economizing, if the DAT drops below the set point, the BMS will modulate the re-heat coil control valve to temper the supply air back up to the discharge air temperature set point.

**UNIT PROTECTION:**  
Low Temperature Alarm (LT-A) - When in "Alarm", the control sequence will stop running, the valve(s) will open and the fan(s) will be disabled via a hard wired shutdown circuit.  
Discharge Air Smoke Detector (DA-SD) - Disables the fan(s) via a hard wired shutdown circuit.

**ADDITIONAL POINTS MONITORED BY THE FMS:**  
Mixed Air Temperature (MA-T)  
Return Fan Status (RF-S)  
Return Air Temperature (RA-T)  
PREFILTER DIFF PRESSURE (PFILT-DP)  
Discharge Air Smoke Alarm (DA-SD)

### AIR HANDLING UNIT

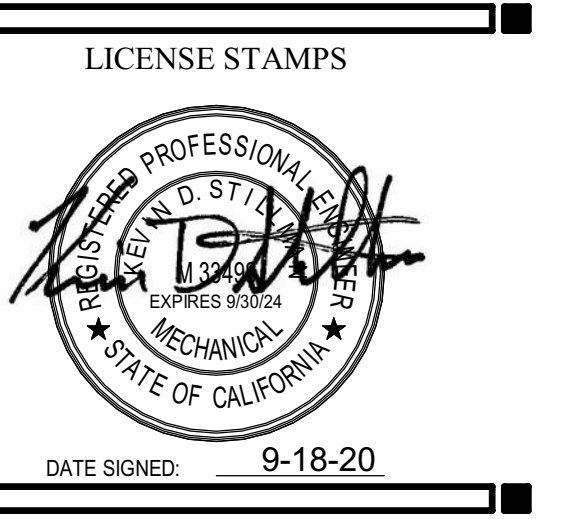
SCALE : NONE

2  
M600



OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY

Approval of these plans does not authorize or approve any construction or installation from any applicable regulations. Approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**HVAC CONTROLS**

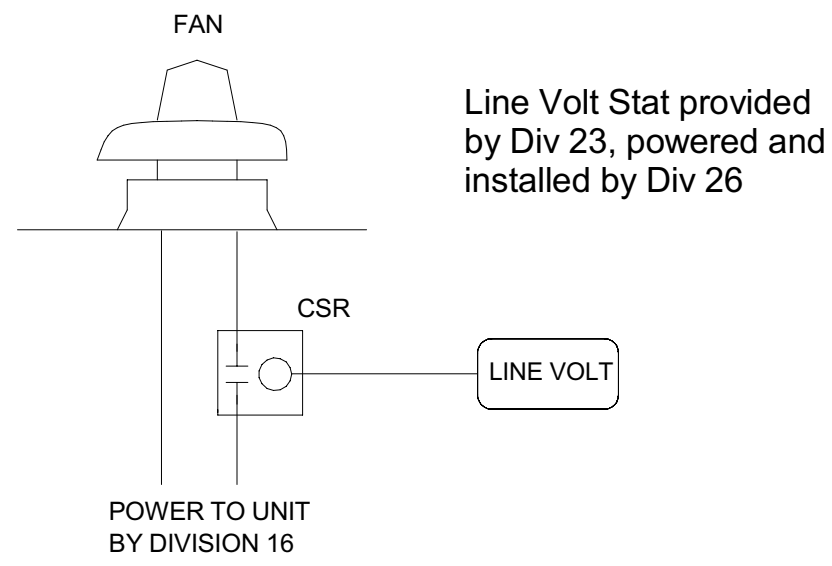
DRAWING STATUS  
WORKING DRAWINGS

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	12" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**M600 V4**





**SEQUENCE OF OPERATION**

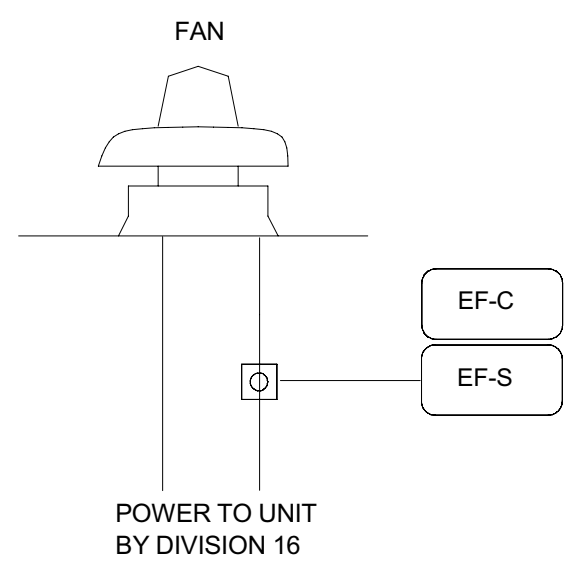
**FAN CONTROL:**  
The exhaust fan will be commanded on and off to control for a line volt thermostat control set point.

This Fan is NOT monitored or controlled by the BMS

# THERMOSTAT CONTROL EXHAUST FAN

SCALE : NONE

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M601



**SEQUENCE OF OPERATION**

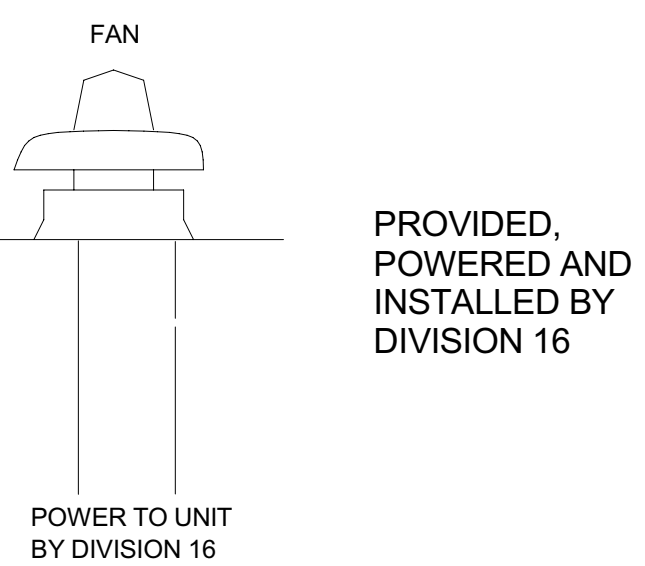
**FAN CONTROL:**  
The fan will be commanded on and off via a user defined schedule.

**ALARMS:**  
The BMS will generate an alarm if ever the fan command does not match the fan status.

# SCHEDULE EXHAUST FAN

SCALE : NONE

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M601



**SEQUENCE OF OPERATION**

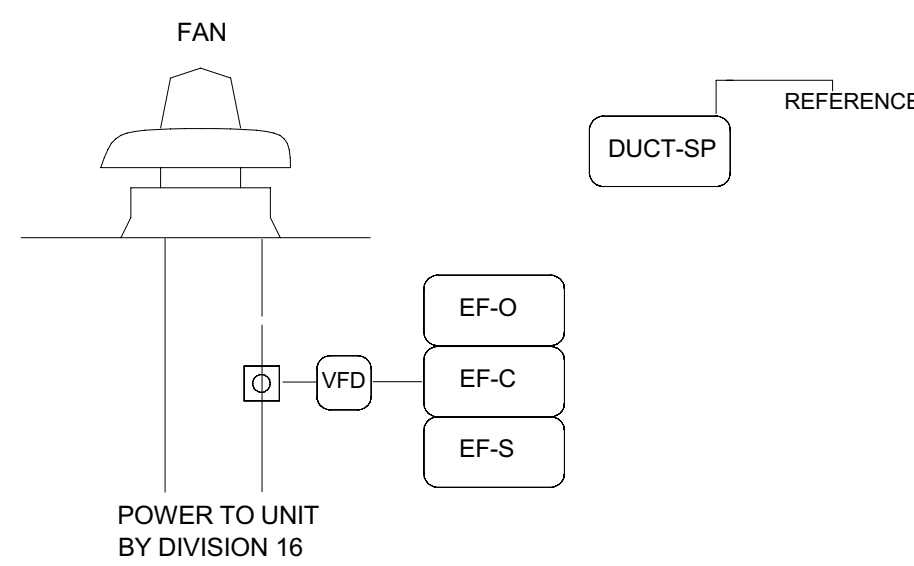
**FAN CONTROL:**  
Fan to operate 24/7

**ALARMS:**  
The Fan is NOT monitored or controlled by the BMS

# 24/7 EXHAUST FAN

SCALE : NONE

7  
M601



**SEQUENCE OF OPERATION**

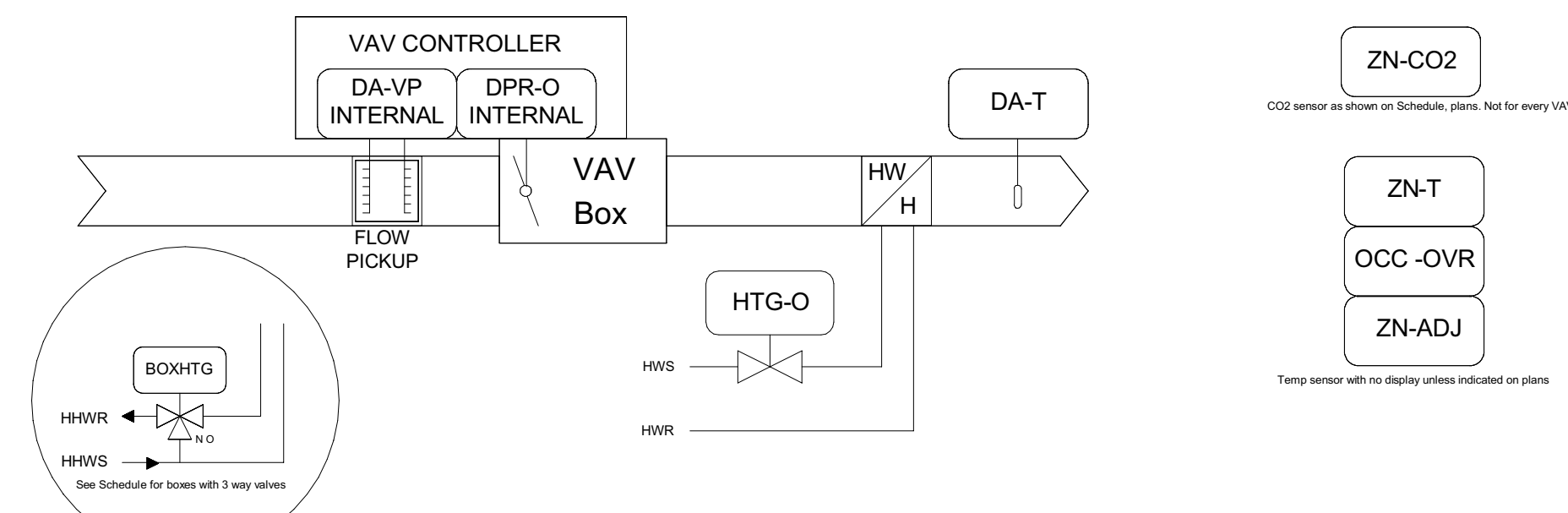
**FAN CONTROL:**  
The BMS shall monitor the plenum static pressure as referenced to the atmosphere. The BMS will enable the exhaust fan whenever the air cooled chiller is enabled and modulate its speed (EF-O) to maintain a slightly negative plenum static pressure of -0.05" wc to enable proper airflow convergence over air cooled chiller condenser coils.

**ALARMS:**  
When the fan command does not match its status.  
When the plenum pressure is positive 0.75" wc.

# CHILLER EXHAUST FAN

SCALE : NONE

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M601



**OCCUPIED MODE:**

When the zone temperature (ZN-T) is between the occupied heating (EFFHTG-SP) and cooling (EFFCLG-SP) setpoints (inside of the bias), the primary air damper (DPR-O) will be at the minimum CFM (SA-F) and there will be no mechanical heating. On a rise in zone temperature (ZN-T) above the cooling setpoint (EFFCLG-SP), the primary air damper (DPR-O) will increase the CFM (SA-F) and there will be no mechanical heating. On a drop in zone temperature (ZN-T) below the heating setpoint (EFFHTG-SP), the reheat coil will be used to maintain the zone temperature (ZN-T). After the reheat output reaches maximum, the box flow is increased to the heating max flow setpoint (HTG-MAXFLOW).

**UNOCCUPIED MODE:**

When in this mode, while the zone temperature (ZN-T) is between the unoccupied heating (EFFHTG-SP) and cooling (EFFCLG-SP) setpoints (inside of the bias), the primary air damper (DPR-O) will be at the minimum CFM (SA-F) and there will be no mechanical heating. On a rise in zone temperature (ZN-T) above the unoccupied cooling setpoint (EFFCLG-SP), the primary air damper (DPR-O) will increase the CFM (SA-F) (if available) and there will be no mechanical heating. On a drop in zone temperature (ZN-T) below the unoccupied heating setpoint (EFFHTG-SP), the reheat coil will be used to maintain the zone temperature (ZN-T) and the primary air damper (DPR-O) will be at the minimum CFM (SA-F).

**OCCUPIED STANDBY MODE (where applicable-see VAV schedule):**

During occupied mode - the BMS will monitor an occupancy sensor provided and installed by Div 26. If the space goes unoccupied for a period of 5 min, the BMS will operate the VAV box under an occupied standby mode. In this mode - the BMS will reset the cooling set point up by 0.5F and the heating setpoint down by 0.5F (user adjustable up from 0.5F). When the zone set point is satisfied the BMS will command the VAV damper closed and shutoff the HW valve. If the zone temp is outside of setpoint, the VAV box will modulate the supply damper and HW valve as needed to satisfy the space. Once occupancy is reestablished in the space - the VAV box will revert to normal occupied mode.

**WARM COOL ADJUST:**

From the zone, the user will be able to adjust the effective zone temperature set point by a value of 4F (adjustable). The relationship between the warm cool adjust and the effective set point will be directly proportional. This is configured in cooling and heating bias.

**DISCHARGE AIR TEMP SENSOR:**

A discharge air temp (DA-T) sensor is provided on each box for monitoring purposes. The DA-T will never be used as a control variable. The box shall always control for zone temperature independent of DA-T. The BMS shall not offset the heating command to maintain a EFFHTG-SP/DA-T differential.

**OCCUPANCY CONTROL:**

A temporary occupancy button on the zone sensor (ZN-T) will place the box in occupied mode for an adjustable length of time, initially set for 1 hours. Occupancy mode can be overridden by a network input (OCC-OVERRIDE).

**UNIT ENABLE:**

A network unit enable (UNITEN-MODE) signal will control the mode of the box.

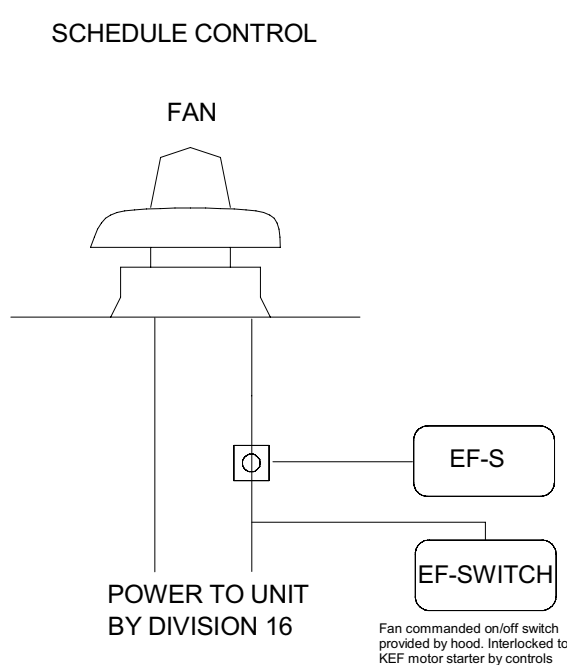
**CO2 CONTROLS (Where applicable):**

For units with CO2 sensors - if ever the CO2 value in above the set point, the VAV box will go into full airflow (modulating the HW coil to maintain zone temperature) until the CO2 set point is satisfied.

# VAV BOX - WITH HW HEAT

SCALE : NONE

1  
M601



**SEQUENCE OF OPERATION**

**FAN CONTROL:**  
The BMS will monitor the status of the kitchen exhaust fan. The fan will be commanded on and off via a local switch, provided on the kitchen hood - interlocked to the fan by the controls contractor.

Whenever the exhaust fan is proven "on" the BMS will reset the Minimum airflow set point of the culinary room VAV box and reset the OA damper minimum position at the AHU serving the culinary room to provide make up for the KEF exhaust. This value will be determined during balance. This will server as the new minimum position - the AHU will operate as described cooling, heating and economizing with the new lower limit.

When the fan is proved off - the BMS will revert back to normal set points for the VAV box and OA damper.

**ALARMS:**  
The BMS will generate an alarm if ever the fan command does not match the fan status.

# ADD ALTERNATE - KEF CONTROL

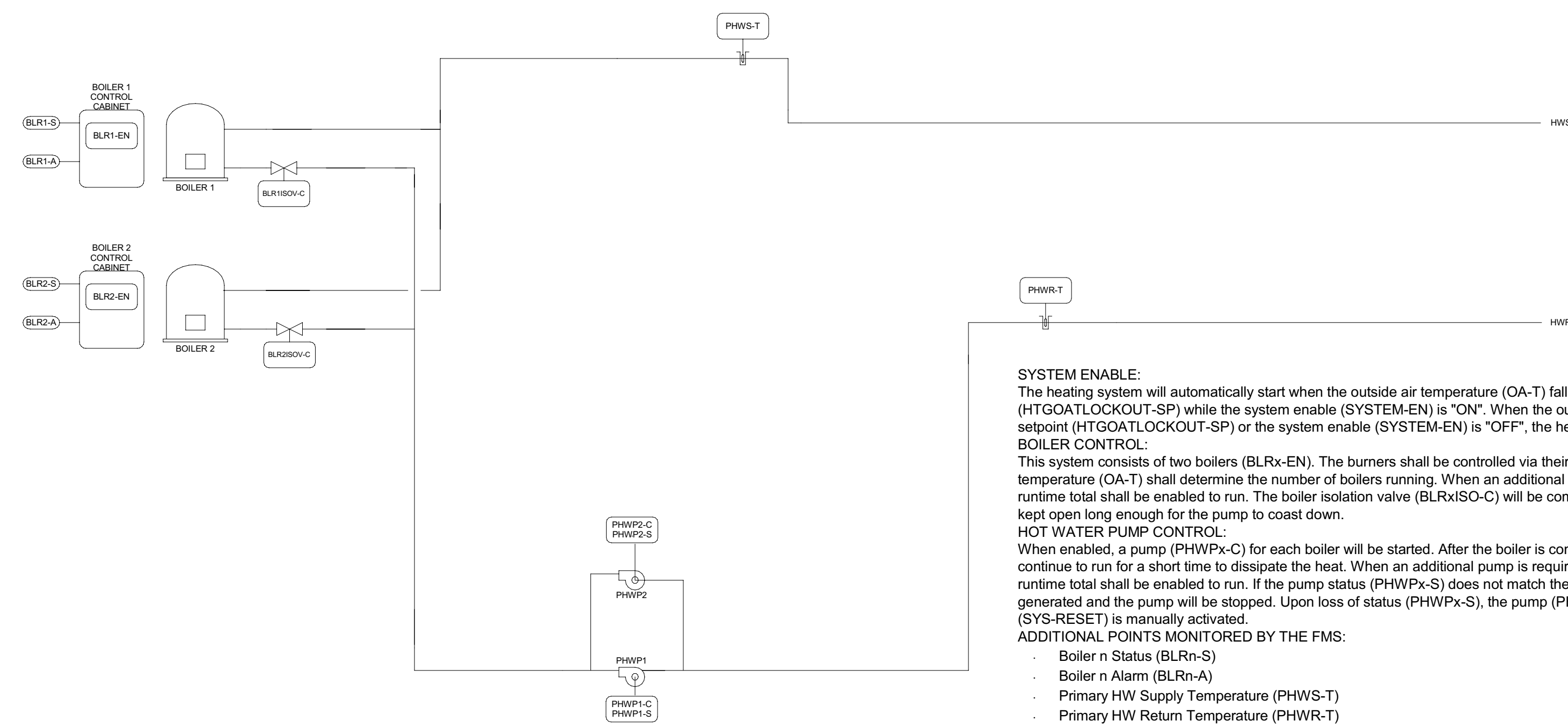
SCALE : NONE

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M601

# HOT WATER SYSTEM

SCALE : NONE

2  
M601



**SYSTEM ENABLE:**

The heating system will automatically start when the outside air temperature (OA-T) falls below the system enable setpoint (HTGOATLOCKOUT-SP) while the system enable (SYSTEM-EN) is "ON". When the outside air temperature (OA-T) rises above this setpoint (HTGOATLOCKOUT-SP) or the system enable (SYSTEM-EN) is "OFF", the heating system will be disabled.

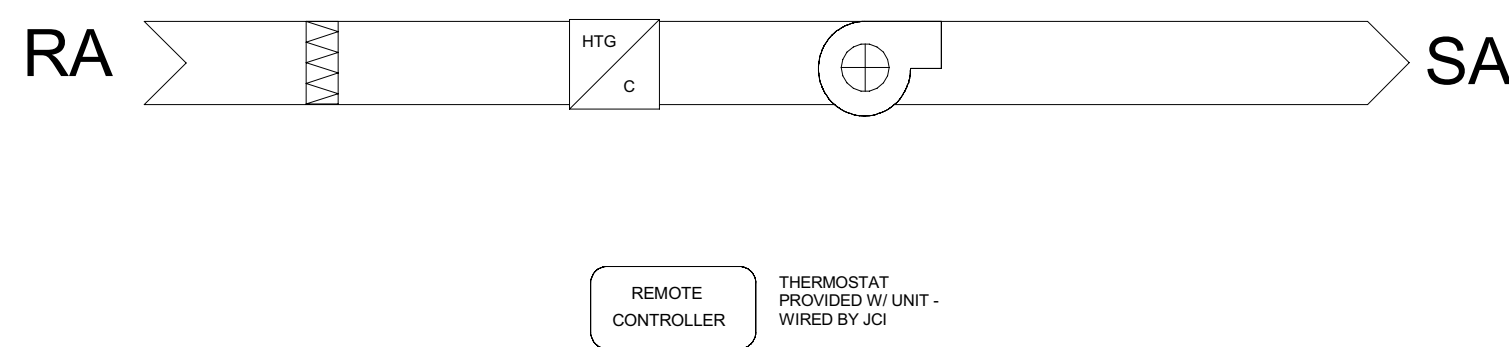
**BOILER CONTROL:**  
This system consists of two boilers (BLRx-EN). The burners shall be controlled via their own internal controls. The outdoor air temperature (OA-T) shall determine the number of boilers running. When an additional boiler is required, the boiler with the lowest runtime total shall be enabled to run. The boiler isolation valve (BLRISO-C) will be commanded open prior to starting the pump and kept open long enough for the pump to coast down.

**HOT WATER PUMP CONTROL:**

When enabled, a pump (PHWPx-C) for each boiler will be started. After the boiler is commanded off, the pump (PHWPx-C) will continue to run for a short time to dissipate the heat. When an additional pump is required, the pump (PHWPx-C) with the lowest runtime total shall be enabled to run. If the pump status (PHWPx-S) does not match the command (PHWPx-C), an alarm will be generated and the pump will be stopped. Upon loss of status (PHWPx-S), the pump (PHWPx-C) will restart after the system reset (SYS-RESET) is manually activated.

**ADDITIONAL POINTS MONITORED BY THE FMS:**

- Boiler n Status (BLRn-S)
- Boiler n Alarm (BLRn-A)
- Primary HW Supply Temperature (PHWS-T)
- Primary HW Return Temperature (PHWR-T)



**Sequence of Operation**

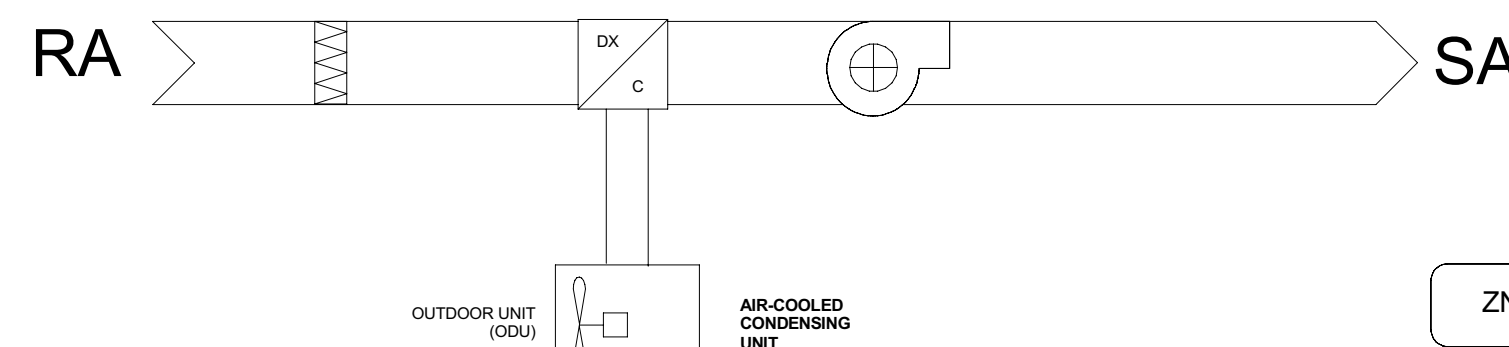
**PROGRAM CONTROL:**  
The unit will operate via its manufacture provided thermostat to maintain a zone temperature set point of 75.

**BMS MONITORING:**  
NONE

# RADIANT HEATER

SCALE : NONE

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M601



**Sequence of Operation**

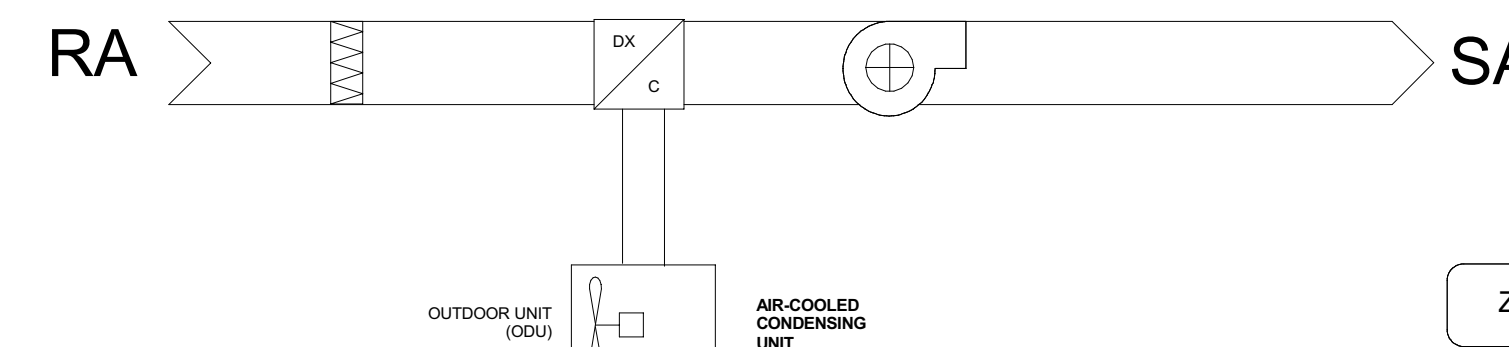
**PROGRAM CONTROL:**  
The unit will operate via its manufacture provided thermostat to maintain a zone temperature set point of 75.

**BMS MONITORING:**  
Metasys shall install an additional zone temperature sensor and alarm when the zone temperature is above 80F

# PTAC

SCALE : NONE

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M601



**Sequence of Operation**

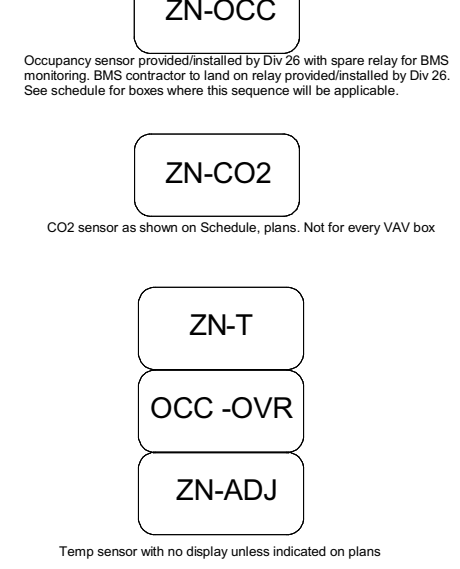
**PROGRAM CONTROL:**  
The unit will operate via its manufacture provided thermostat to maintain a zone temperature set point of 75.

**BMS MONITORING:**  
Metasys shall install an additional zone temperature sensor and alarm when the zone temperature is above 80F

# SPLIT SYSTEM

SCALE : NONE

3  
M601



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CONSULTING ARCHITECT



CONSULTANTS



**CAPITAL**  
ENGINEERING CONSULTANTS, INC.  
RANCHO CONDONA, CALIFORNIA  
JD - ISJ/HHC 170324.00  
P/E DESIGN TEAM PROJECT NO.

**LICENSE STAMPS**



DATE SIGNED: 9-18-20

**PROJECT NAME**

**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**

**HVAC CONTROLS**

**DRAWING STATUS**

**WORKING DRAWINGS**

**REVISIONS**

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	12" = 1'-0"
Project No.	16-6421.00

SHEET No.

**M601 V4**

Plot Date: 9/21/2022 11:27:16 AM  
 Name: L:\event\local\Humboldt\_Re\_Entry\_MP20\Humboldt\_Re\_Entry\_MP20\_dkmar.rvt



**PLUMBING FIXTURE SCHEDULE**

ADA	SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	TRIM AND SUPPORT MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
								BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
	WC-1	WATER CLOSET WALL MOUNTED FLUSH VALVE	*AMERICAN STANDARD* AFWALL NO. 3351 101, 1.28 GPF, WALL HUNG, VITREOUS CHINA, ELONGATED, HEIGHT FOR ADA, 1-1/2" TOP SPUD, SIPHON JET ACTION.	PROVIDE "SLOAN" ROYAL, MODEL 111 ESS HARDWIRED FLUSHOMETER, VALVE ASSEMBLY, 1.28 GPF CHROMED PLATED WITH ADJUSTABLE TAILPIECE.	SEAT: *KOHLER* LUSTRA OPEN FRONT SEAT, CARRIER: *JR SMITH* 100 OR 200 SERIES OR *ZURN* Z1203 AND Z1204 SERIES PROVIDE REAR SUPPORT LUG AND ANCHOR FT ASSEMBLY, PROVIDE WHA, SIZE PER PDI.	PROVIDE W TRANSFORMER FOR LOW-VOLTAGE POWER TO FLUSH VALVES. TRANSFORMER AND ALL LOW-VOLT WIRING FROM DIV-26 PROVIDED J-BOX BY PLUMBING CONTRACTOR.	2"	4"	4"	1-1/4"	1"	-	-
	WC-2	WATER CLOSET WALL MOUNTED FLUSH VALVE	*METCRAFT* MODEL HET4110 WALL MOUNTED WATER CLOSET, 1.28 GPF, TYPE 304 STAINLESS STEEL, ELONGATED BOWL, WALL SUPPLY, BLOWOUT JET ACTION.	PROVIDE "SLOAN" REGAL XL FLUSHOMETER MODEL 9603-128 W/ RH97ALC (WILLOUGHBY PN: 320640), CONCEALED, HYDRAULICALLY ACTIVATED, 1.28 GPF, ADA COMPLIANT, ROUGH BRASS FINISH, NON-HOLD-OPEN PUSH BUTTON.	PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	PROVIDE W TRANSFORMER FOR LOW-VOLTAGE POWER TO FLUSH VALVES. TRANSFORMER AND ALL LOW-VOLT WIRING FROM DIV-26 PROVIDED J-BOX BY PLUMBING CONTRACTOR.	2"	4"	4"	1-1/4"	1"	-	-
	WC-3	WATER CLOSET WALL MOUNTED FLUSH VALVE	*METCRAFT* MODEL HET4110 WALL MOUNTED WATER CLOSET, 1.28 GPF, TYPE 304 STAINLESS STEEL, ELONGATED BOWL, WALL SUPPLY, BLOWOUT JET ACTION, 18" INTEGRAL SEAT HEIGHT FOR ADA	PROVIDE "SLOAN" REGAL XL FLUSHOMETER MODEL 9603-128 W/ RH97ALC (WILLOUGHBY PN: 320640), CONCEALED, HYDRAULICALLY ACTIVATED, 1.28 GPF, ADA COMPLIANT, ROUGH BRASS FINISH, NON-HOLD-OPEN PUSH BUTTON.	PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	PROVIDE W TRANSFORMER FOR LOW-VOLTAGE POWER TO FLUSH VALVES. TRANSFORMER AND ALL LOW-VOLT WIRING FROM DIV-26 PROVIDED J-BOX BY PLUMBING CONTRACTOR.	2"	4"	4"	1-1/4"	1"	-	-
	WCL-1	WATER CLOSET/LAVATORY COMBINATION UNIT WALL MOUNTED FLUSH VALVE	*METCRAFT* SERIES HETJ137-90, LEFT OFFSET OR RIGHT OFFSET TOILET BOWL MODEL, 1.28 GPF, ELONGATED BOWL, TYPE 304 STAINLESS STEEL, ON-FLOOR, WALL OUTLET, BLOW OUT JET ACTION, 18" RIM HEIGHT, PROVIDE DUAL TEMP ELECTRONIC VALVES AND AND PIEZO PUSH BUTTONS.	PROVIDE "SLOAN" REGAL XL FLUSHOMETER MODEL 9603-128 W/ RH97ALC (WILLOUGHBY PN: 320640), CONCEALED, HYDRAULICALLY ACTIVATED, 1.28 GPF, ADA COMPLIANT, ROUGH BRASS FINISH, NON-HOLD-OPEN PUSH BUTTON.	SEAT: INTEGRAL, STAINLESS STEEL. CARRIER: *METCRAFT* WALL MOUNTING HARDWARE PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	LAVATORY BOWL: RECTANGULAR BOWL 14" x 9-1/2" x 6" DEEP, PROVIDE WITH HEMISPHERICAL PENAL BUBBLER, *A312 PUSHBUTTON VALVES FOR COLD & TEMPERED WATER, *AFH HYDRAULIC ANTI-FLOOD VALVE OPTION, SUICIDE PREVENTION SKIRT, WALL SLEEVE. PROVIDE SUICIDE RESISTANT 3/8" GRAB BAR CLOSURE PLATE (-A557LR).	2"	4"	4"	1-1/4"	1"	3/4"	1/2"
	WCL-2	WATER CLOSET/LAVATORY COMBINATION UNIT WALL MOUNTED FLUSH VALVE	*METCRAFT* SERIES HETJ118-90-C, 1.28 GPF, ELONGATED BOWL, TYPE 304 STAINLESS STEEL, ON-FLOOR, WALL OUTLET, BLOW OUT JET ACTION, PROVIDE DUAL TEMP ELECTRONIC VALVES AND PIEZO PUSH BUTTONS.	PROVIDE "SLOAN" REGAL XL FLUSHOMETER MODEL 9603-128 W/ RH97ALC (WILLOUGHBY PN: 320640), CONCEALED, HYDRAULICALLY ACTIVATED, 1.28 GPF, ADA COMPLIANT, ROUGH BRASS FINISH, NON-HOLD-OPEN PUSH BUTTON.	SEAT: INTEGRAL, STAINLESS STEEL. CARRIER: *METCRAFT* WALL MOUNTING HARDWARE PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	LAVATORY BOWL: OVAL BOWL, 13" x 9-1/2" x 5-1/2" DEEP, PROVIDE WITH HEMISPHERICAL PENAL BUBBLER, *A312 PUSHBUTTON VALVES FOR COLD & TEMPERED WATER, *AFH HYDRAULIC ANTI-FLOOD VALVE OPTION, PAPER HOLDER, SUICIDE PREVENTION SKIRT, WALL SLEEVE.	2"	4"	4"	1-1/4"	1"	3/4"	1/2"
	UR-1	URINAL WALL MOUNTED FLUSH VALVE	*METCRAFT* DEXTER 1/8 GPF NO. K-6452-ET WALL HUNG, VITREOUS CHINA, SIPHON JET ACTION, 3/4" TOP SPUD, 2" THREADED OUTLET, 0.125 GPF.	PROVIDE "SLOAN" FLUSHOMETER MODEL 613-0.5 MANUAL FLUSHOMETER, VALVE ASSEMBLY, 0.5 GPF, CONCEALED CHROMED PLATED WITH ADJUSTABLE TAILPIECE.	CARRIER: *JAY R. SMITH* 637 SERIES OR *ZURN* Z1222	PROVIDE W TRANSFORMER FOR LOW-VOLTAGE POWER TO FLUSH VALVES. TRANSFORMER AND ALL LOW-VOLT WIRING FROM DIV-26 PROVIDED J-BOX BY PLUMBING CONTRACTOR. MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS.	1-1/2"	2"	2"	1"	3/4"	-	-
	L-1	LAVATORY WALL HUNG HOT AND COLD WATER	*KOHLER* KINGSTON MODEL K-2006, ADA STAFF LAVATORY, WALL HUNG, VITREOUS CHINA WITH CONCEALED ARM RECESS, FRONT OVERFLOW, WITH SOAP DEPRESSION, 4" CENTERS, 20" x 18" D SHAPED BOWL.	*KOHLER* MODEL K-10722 WIDESPREAD LAVATORY FAUCET, POLISHED CHROME FINISH, PROVIDE 0.5 GPM FLOW RESTRICTOR, VANDAL RESISTANT HARDWARE, ADA COMPLIANT.	C&T BRASS LAVATORY GRID DRAIN WITH 1-1/4" 17 GAUGE SEAMLESS BRASS OFFSET TAILPIECE, INTEGRAL PERFORATED GRID ASSEMBLY FOR WHEELCHAIR, CHROME FINISH, MOUNT P-TRAP FLUSH TO WALL. PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE *J.R. SMITH* #7000-M31 CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	L-2	LAVATORY COUNTER MOUNTED HOT AND COLD WATER	*AMERICAN STANDARD* AQUALYN NO. 0476.028 COUNTER MOUNTED, SELF-RIMMING, VITREOUS CHINA, FRONT OVERFLOW, SINGLE HOLE FAUCET DRILLING, 20" x 17"	PROVIDE "SLOAN" OPTIMA MODEL ETF-880 SENSOR FAUCET, 4" CENTER SET, DECK MOUNTED, 0.5 GPM, HARDWIRED	C&T BRASS LAVATORY GRID DRAIN WITH 1-1/4" 17 GAUGE SEAMLESS BRASS OFFSET TAILPIECE, INTEGRAL PERFORATED GRID ASSEMBLY FOR WHEELCHAIR, CHROME FINISH, MOUNT P-TRAP FLUSH TO WALL. PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	L-3	LAVATORY WALL HUNG FRONT ACCESS HOT AND COLD WATER	*METCRAFT* MODEL 6680, WALL HUNG INMATE LAVATORY, FRONT ACCESS, TYPE 304 STAINLESS STEEL, RECTANGULAR BASIN 14" x 9-1/2" x 6", PROVIDE SECURITY LIGATURE-RESISTANT PENAL BUBBLER/FILLER, DUAL TEMPERATURE ELECTRONIC VALVES WITH PIEZO ELECTRONIC PUSH BUTTONS.	PROVIDE "SLOAN" REGAL XL FLUSHOMETER MODEL 9603-128 W/ RH97ALC (WILLOUGHBY PN: 320640), CONCEALED, HYDRAULICALLY ACTIVATED, 1.28 GPF, ADA COMPLIANT, ROUGH BRASS FINISH, NON-HOLD-OPEN PUSH BUTTON.	PROVIDE *METCRAFT* WALL MOUNTING HARDWARE AND WALL TEMPLATE. PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION. CONNECT TO "WILLOUGHBY" CVC (PROGRAMMABLE, NON-NETWORKED) CONTROLLER.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	SS-1	SERVICE SINK FLOOR MOUNTED HOT AND COLD WATER	*ACORN* MODEL 1630, FLOOR-MOUNTED STAINLESS STEEL MOP SINK, 16 GAGE TYPE 304 STAINLESS STEEL WITH SATIN FINISH, 24"x24"x10" DEEP.	PROVIDE "SPEAKMAN" SC-6811 SERVICE SINK FAUCET WITH TOP BRACE, PAIL HOOK, 3/4" HOSE THREAD, VACUUM BREAKER, VANDAL-RESISTANT HANDLES WITH COLOR-CODED INDEXES.			1-1/2"	3"	3"	3/4"	1/2"	3/4"	1/2"
	S-1	SINK COUNTER MOUNTED HOT AND COLD WATER	*JUST MFG* MODEL SL-1815-A-GR, SINGLE BOWL PREP SINK, DROP IN, 18 GAUGE, STAINLESS STEEL, STANDARD DEPTH WITH FAUCET LEDGE PROVIDE WITH 2 HOLES, 4" ON CENTER.	*CHICAGO* 2304-GN10ASWG35AB SINGLE LEVER GOOSE NECK FAUCET WITH SIDE SPRAY, 1.5 GPM, USER ADJUSTABLE TEMPERATURE CONTROL, VANDAL RESISTANT AERATOR.	17 GAUGE ADJUSTED P-TRAP CHROME PLATED, CHROME PLATED ANGLE VALVE AND ESCUTCHEONS, LOOSE KEY, CHICAGO 1017, JUST JV35 CUP STRAINER, PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET AND PROVIDE SLOT AT FAUCET FOR VANDAL RESISTANT PINS. BACKING PLATE SHALL BE 14 GAUGE, 304 STAINLESS STEEL, FORMED AS A CHANNEL.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-2	SINK COUNTER MOUNTED HOT AND COLD WATER	*JUST MFG* MODEL SL-2125-A-GR, SINGLE BOWL PREP SINK, DROP IN, 18 GAUGE, STAINLESS STEEL, STANDARD DEPTH WITH FAUCET LEDGE PROVIDE WITH 2 HOLES, 4" ON CENTER.	*CHICAGO* 2304-GN10ASWG35AB SINGLE LEVER GOOSE NECK FAUCET WITH SIDE SPRAY, 1.5 GPM, USER ADJUSTABLE TEMPERATURE CONTROL, VANDAL RESISTANT AERATOR.	17 GAUGE ADJUSTED P-TRAP CHROME PLATED, CHROME PLATED ANGLE VALVE AND ESCUTCHEONS, LOOSE KEY, CHICAGO 1017, JUST JV35 CUP STRAINER, PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET AND PROVIDE SLOT AT FAUCET FOR VANDAL RESISTANT PINS. BACKING PLATE SHALL BE 14 GAUGE, 304 STAINLESS STEEL, FORMED AS A CHANNEL.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-3	SINK COUNTER MOUNTED HOT AND COLD WATER	*JUST MFG* MODEL SL-1617-A-GR, SINGLE BOWL PREP SINK, DROP IN, 18 GAUGE, STAINLESS STEEL, STANDARD DEPTH WITH FAUCET LEDGE PROVIDE WITH 2 HOLES, 4" ON CENTER.	*CHICAGO* 2304-GN10ASWG35AB SINGLE LEVER GOOSE NECK FAUCET WITH SIDE SPRAY, 1.5 GPM, USER ADJUSTABLE TEMPERATURE CONTROL, VANDAL RESISTANT AERATOR.	17 GAUGE ADJUSTED P-TRAP CHROME PLATED, CHROME PLATED ANGLE VALVE AND ESCUTCHEONS, LOOSE KEY, CHICAGO 1017, JUST JV35 CUP STRAINER, PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET AND PROVIDE SLOT AT FAUCET FOR VANDAL RESISTANT PINS. BACKING PLATE SHALL BE 14 GAUGE, 304 STAINLESS STEEL, FORMED AS A CHANNEL.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-4	SINK COUNTER MOUNTED 2 COMPARTMENT	*JUST MFG* MODEL DLN-2233-A-GR, DOUBLE BOWL PREP SINK, DROP IN, 18 GAUGE, STAINLESS STEEL, STANDARD DEPTH WITH FAUCET LEDGE PROVIDE WITH 2 HOLES, 4" ON CENTER.	*CHICAGO* 2304-GN10ASWG35AB SINGLE LEVER GOOSE NECK FAUCET WITH SIDE SPRAY, 1.5 GPM, USER ADJUSTABLE TEMPERATURE CONTROL, VANDAL RESISTANT AERATOR.	17 GAUGE ADJUSTED P-TRAP CHROME PLATED, CHROME PLATED ANGLE VALVE AND ESCUTCHEONS, LOOSE KEY, CHICAGO 1017, JUST JV35 CUP STRAINER, PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI.	PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET AND PROVIDE SLOT AT FAUCET FOR VANDAL RESISTANT PINS. BACKING PLATE SHALL BE 14 GAUGE, 304 STAINLESS STEEL, FORMED AS A CHANNEL.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	HB-1	HOSE BIBB	*ACORN* MODEL 8160 HOSE BOX, STAINLESS STEEL, FREEZE PROTECTED VACUUM BREAKER, WITH VANDAL PROOF DOOR.			FOR EXTERIOR WALL INSTALLATION	-	-	-	3/4"	1/2"	-	-
	HB-2	HOSE BIBB	*ACORN* MODEL 8121-LF HOSE BIBB, BRASS CONSTRUCTION, VACUUM BREAKER, BENT NOSE WITH FLANGE.			FOR ROOFTOP AC UNIT CURB MOUNTING.	-	-	-	3/4"	1/2"	-	-
	HB-3	HOSE BIBB	*J.R. SMITH* MODEL 5560QT HOSE BOX, HOT AND COLD WATER, FREEZE PROTECTED, VACUUM BREAKER, WITH LOCKING COVER.			FOR EXTERIOR WALL INSTALLATION.	-	-	-	3/4"	1/2"	3/4"	1/2"
	HB-4	HOSE BIBB	*WILLOUGHBY* MODEL HB-8151 SINGLE TEMP HOSE BIBB, BRASS CONSTRUCTION, VACUUM BREAKER, WITH RECESSED STAINLESS STEEL BOX & VANDAL PROOF DOOR.			FOR ROOFTOP AC UNIT CURB MOUNTING.	-	-	-	3/4"	1/2"	-	-
	EWC-1	ELECTRIC WATER COOLER	*ELKAY* BARRIER-FREE DUAL WALL MOUNT MODEL LVRCTLSC8SC WATER COOLER, STAINLESS STEEL, WALL CARRIER, PUSH BUTTON ACTIVATED TYPE 304 STAINLESS STEEL CONSTRUCTION.			PROVIDE WATER HAMMER ARRESTOR, SIZE PER PDI	1-1/2"	2"	1-1/2"	3/4"	1/2"	-	-
	DF-1	DRINKING FOUNTAIN SURFACE MOUNTED FRONT ACCESS	*WILLOUGHBY* DF-1015-96-HC-FA-DMB-PSL1-PBH-RPT, WALL HUNG, FRONT ACCESS, 14 GAUGE TYPE 304 STAINLESS STEEL, SINGLE TEMPERATURE, LIGATURE-RESISTANT PNEUMATIC PUSH BUTTON, DECK MOUNTED LIGATURE-RESISTANT BUBBLER, ADA COMPLIANT.			PROVIDE WITH P-TRAP.	1-1/2"	2"	1-1/2"	3/4"	1/2"	-	-
	HWF-1	HOT WATER FILLER SURFACE MOUNTED FRONT ACCESS	*ACORN* MODEL 1674-1-BP, WALL HUNG, FRONT ACCESS, PROVIDE WITH PENAL BUBBLER, 0.5 GPM, 14 GAUGE 304 STAINLESS STEEL, LEAD FREE, ADA COMPLIANT			MOUNT UPSIDE DOWN AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS.	-	-	-	-	3/4"	1/2"	-
	SH-1	SHOWER SURFACE MOUNTED	*METCRAFT* MODEL 8125-FC14, REAR MOUNTED WALL SHOWER WITH TWO FIXED 1.4 GPM SHOWER HEADS, REAR ACCESS, 14 GAUGE 304 STAINLESS STEEL, ADA COMPLIANT, RECESSED SOAP DISH	PROVIDE WITH SINGLE TEMP ELECTRONIC VALVE AND ELECTRONIC PIEZO PUSH BUTTONS, 1.4 GPM FLOW HEAD, LIGATURE RESISTANT SHOWER HEAD, AND HARD WIRED TRANSFORMER (100VAC TO 24VAC).		MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. CONNECT TO "WILLOUGHBY" CVC (PROGRAMMABLE, NON-NETWORKED) CONTROLLER.	-	-	-	3/4"	1/2"	3/4"	1/2"
	SH-2	SHOWER SURFACE MOUNTED FRONT ACCESS	*METCRAFT* MODEL 8606-FC14, FRONT MOUNTED WALL SHOWER WITH TWO FIXED 1.4 GPM SHOWER HEADS, FRONT ACCESS, 14 GAUGE 304 STAINLESS STEEL, ADA COMPLIANT, RECESSED SOAP DISH	PROVIDE WITH SINGLE TEMP ELECTRONIC VALVE AND ELECTRONIC PIEZO PUSH BUTTONS, 1.4 GPM FLOW LIGATURE RESISTANT SHOWER HEADS, AND HARD WIRED TRANSFORMER (100VAC TO 24VAC).		MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. CONNECT TO "WILLOUGHBY" CVC (PROGRAMMABLE, NON-NETWORKED) CONTROLLER.	-	-	-	3/4"	1/2"	3/4"	1/2"
	SH-3	SHOWER SURFACE MOUNTED FRONT ACCESS	*METCRAFT* MODEL 8601-FC14, FRONT MOUNTED WALL SHOWER WITH FIXED 1.4 GPM SHOWER HEAD, FRONT ACCESS, 14 GAUGE 304 STAINLESS STEEL, RECESSED SOAP DISH	PROVIDE WITH SINGLE TEMP ELECTRONIC VALVE AND ELECTRONIC PIEZO PUSH BUTTONS, 1.4 GPM FLOW HEAD, LIGATURE RESISTANT SHOWER HEAD, AND HARD WIRED TRANSFORMER (100VAC TO 24VAC).		MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. CONNECT TO "WILLOUGHBY" CVC (PROGRAMMABLE, NON-NETWORKED) CONTROLLER.	-	-	-	3/4"	1/2"	3/4"	1/2"
	ESHEW	EMERGENCY SHOWER/ EYE WASH ADA	*BRADLEY* MODEL S193148F COMBINATION SHOWER AND EYE WASH, BARRIER FREE.	INTEGRAL.	INTEGRAL	PROVIDE WITH NAVIGATOR S19-2150 EFX20 EMERGENCY THERMOSTATIC MIXING VALVE, SATISFIES ASNI/ISEA Z358-1 TEPID WATER REQUIREMENTS.	-	-	-	1-1/4"	1-1/4"	1-1/4"	1-1/4"
	TP-1	TRAP PRIMER	MIFAB "MI-702" SERIES, PRECISION PLUMBING PRODUCTS "FLUSH VALVE PRIMER", OR EQUAL.			METERED UNIT WITH DISTRIBUTION UNIT TO OPERATE ON 3 TO 5 PSIG.	-	-	-	1/2"	1/2"	-	-
	FD-1	FLOOR DRAIN	*J.R. SMITH* MODEL 2010 CPHU			6" ROUND POLISHED NICKEL-BRONZE STRAINER WITH VANDAL PROOF GRATE.	2"	2"	2"	-	-	-	-
	FS-1	FLOOR SINK	*ZURN* MODEL Z1901-KC-2			PROVIDE ANCHOR FLANGE. SEEPAGE PAN AND CLAMPING COLLAR. PROVIDE WHITE A.R.E. SEDIMENT BUCKET. PROVIDE 1/2 GRATE.	2"	2", 3", 4"	2", 3", 4"	-	-	-	-
	FCD	FLOOR CLEAN OUT	*WADE* MODEL W-8480 R, STAINLESS STEEL WITH EXTRA HEAVY BRASS NEOPRENE SEAL SCREW PLUG WITH RECESSED HOOD DRILLED & TAPPED.			SEE FLOOR PLANS FOR SIZE	-	2", 3", 4"	2", 3", 4"	-	-	-	-
	GCO	GRADE CLEAN OUT	*WADE* MODEL W-8480 R, STAINLESS STEEL WITH EXTRA HEAVY BRASS NEOPRENE SEAL SCREW PLUG WITH RECESSED HOOD DRILLED & TAPPED.			SEE FLOOR PLANS FOR SIZE	-	2", 3", 4"	2", 3", 4"	-	-	-	-
	RDIOF	ROOF DRAIN/OVERFLOW	COMBINATION ROOF DRAIN AND OVER FLOW 6" PIPE SIZE MAX. - JAY R. SMITH MODEL SQ-1-3282, ZURN MODEL Z164 OR EQUAL.	SECURE DECK PLATE TO ROOF. PROVIDE 6" HIGH CAST IRON VANDAL PROOF DOME TYPE STRAINER INLET AND CLAMPING COLLARS FOR PRIMARY AND OVERFLOW.		PROVIDE 20 GAUGE BOX AND 18 GAUGE STAINLESS STEEL FACE PLATE	-	3", 4", 6"	3", 4", 6"	-	-	-	-



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PROJECT NAME  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**PLUMBING FIXTURE**  
**SCHEDULE**

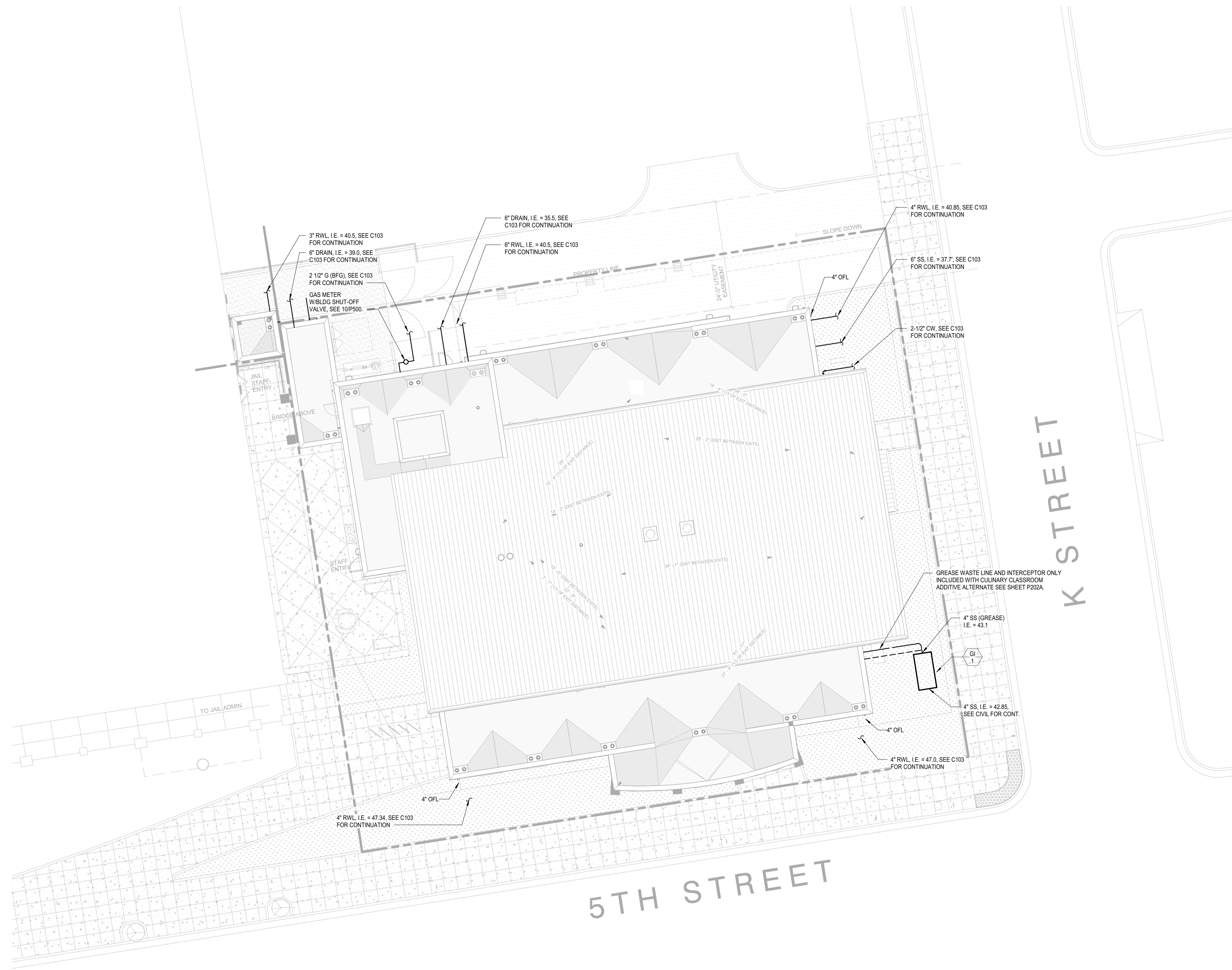
DRAWING STATUS  
 WORKING DRAWINGS

REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	12" = 1'-0"
Project No.	16-6421.00

Plot Date: 9/17/2022 11:37:22 AM  
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NORTH  
 1  
 P100  
 PLUMBING SITE PLAN  
 SCALE: 3/32" = 1'-0"



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SHEET TITLE  
 PLUMBING SITE PLAN  
 DRAWING STATUS  
 WORKING DRAWINGS

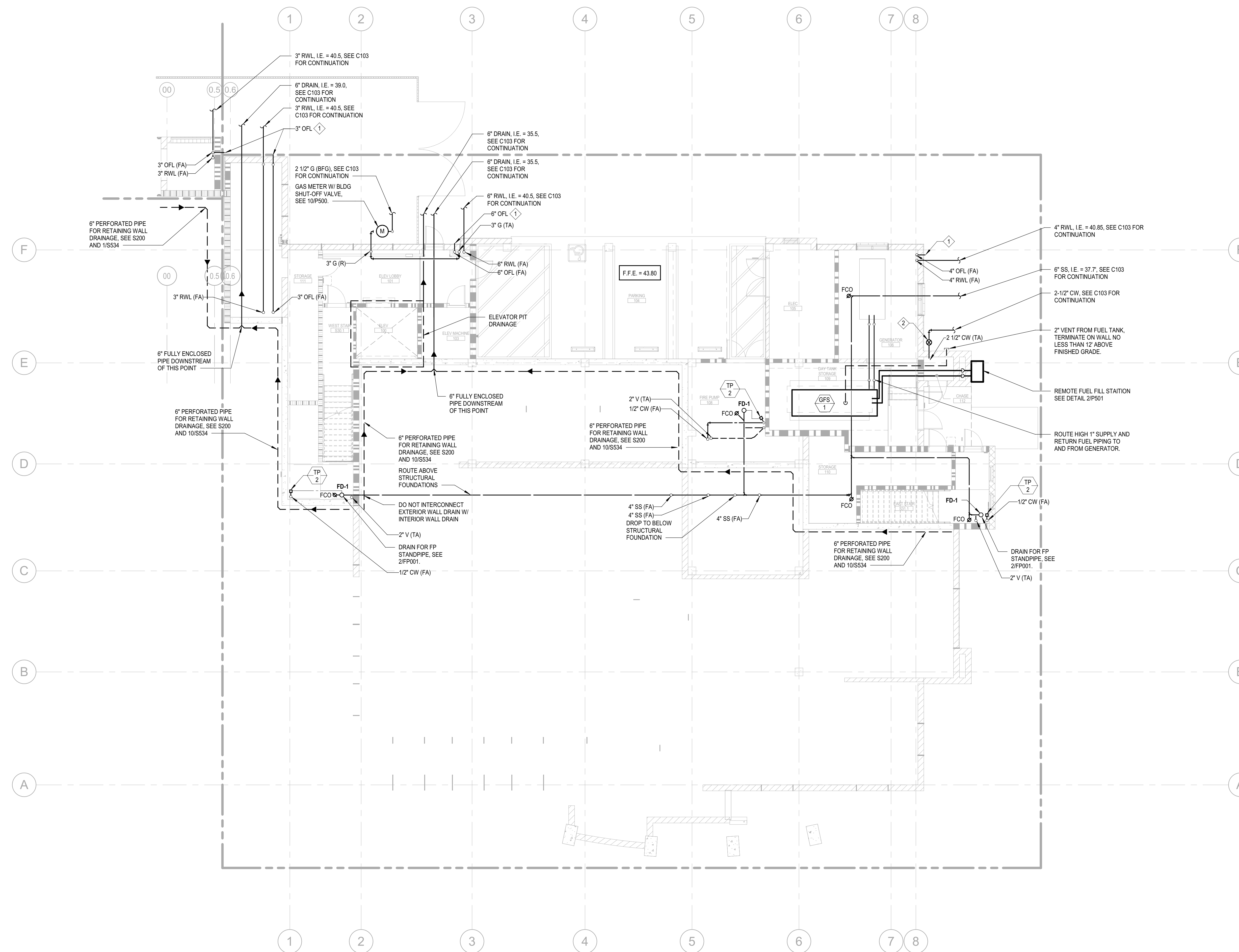
REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	3/32" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**P100 V4**

**KEYNOTES:**

- ① SPILL OVERFLOW RAINWATER LEADER 12" ABOVE FINISHED GRADE WITH DOWNSPOUT NOZZLE. SEE 2/P500.
- ② SHUT OFF VALVE IN VALVE BOX.



PLAN NORTH  
**1**  
**P200**  
**PLUMBING PLAN - LEVEL 1**  
 SCALE: 1/8" = 1'-0"



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**CORRECTIONS**  
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**RESOURCE CENTER**  
 929 5th STREET  
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SHEET TITLE  
**PLUMBING PLAN - LEVEL 1**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

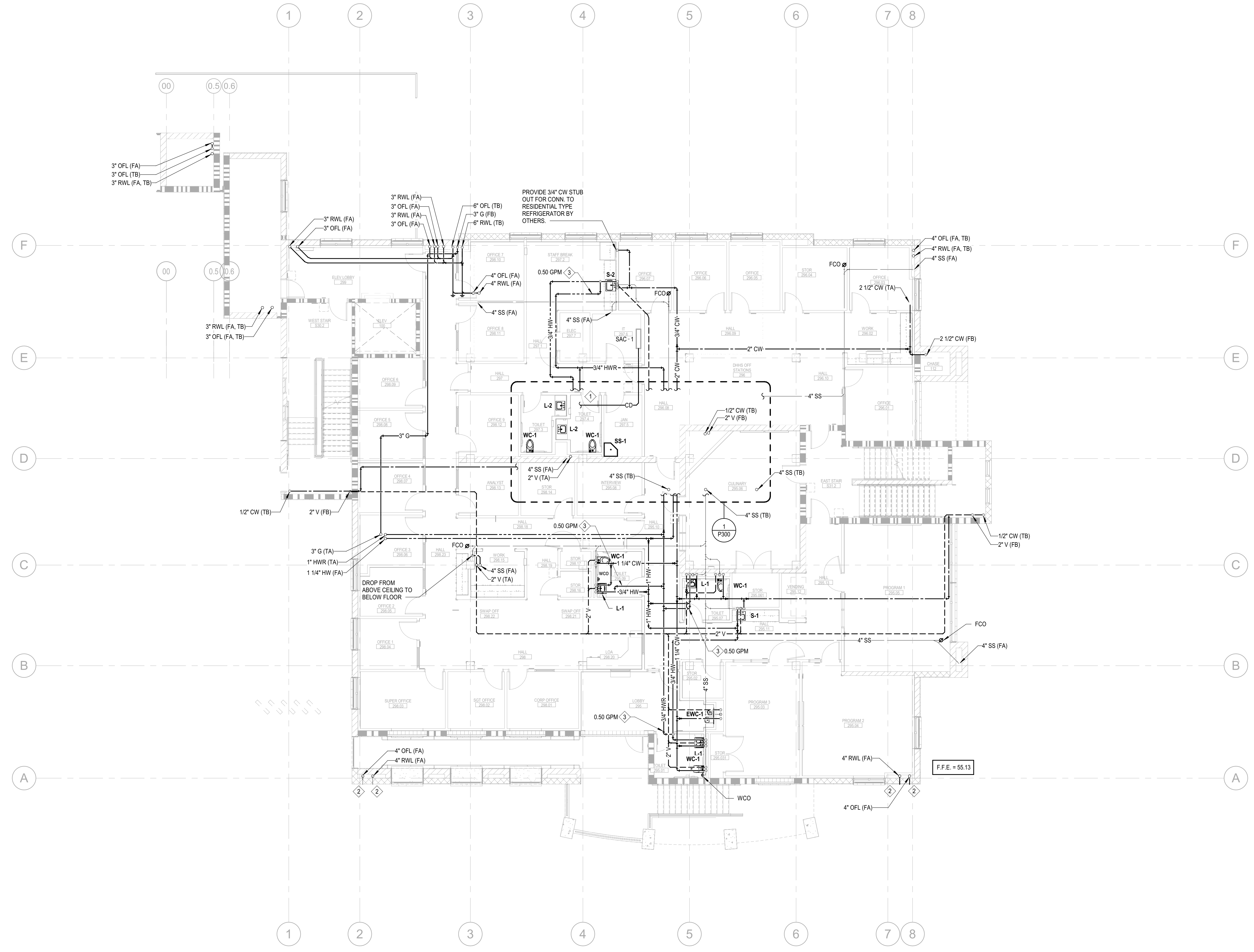
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Project No.	16-6421.00

SHEET No.  
**P200 V4**

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 User: jkhar14

**KEYNOTES:**

- ① CONNECT 3/4" CONDENSATE TO SINKLAV TAILPIECE.
- ② SPILL RAINWATER LEADER 12" ABOVE FINISHED GRADE WITH DOWNSPOUT NOZZLE. SEE 2P500.
- ③ SEE DETAIL 8P500 FOR HWR AT INDIVIDUAL FAUCET. SET TO GPM INDICATED.

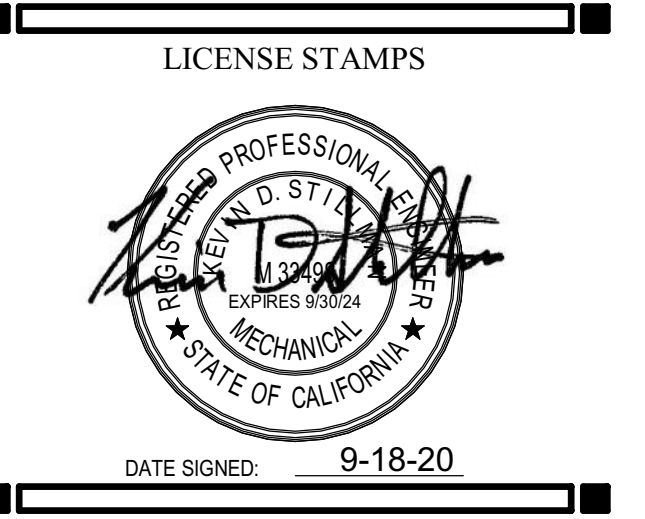


PLAN NORTH  
1  
P201  
SCALE: 1/8" = 1'-0"

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PROJECT NAME  
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RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**PLUMBING PLAN - LEVEL  
2**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

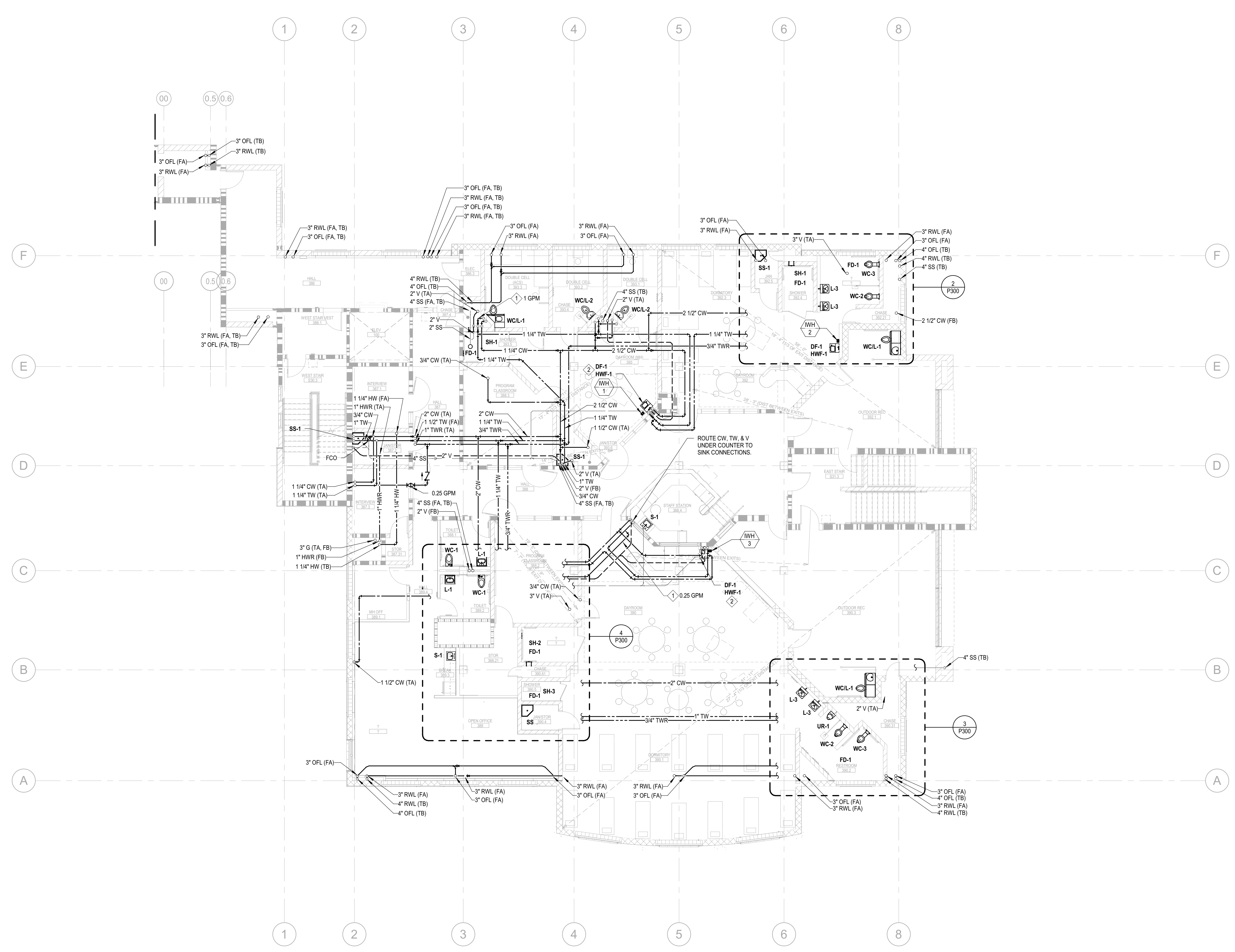
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Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**P201 V4**

**KEYNOTES:**

- 1 SEE DETAIL 8/P300 FOR HWR AT INDIVIDUAL FAUCET. SET TO GPM INDICATED.
- 2 CW CONNECTS TO DF-1. RUN TEMPERED WATER TO WH THEN FROM THE WH TO HWF-1. IWH MOUNTED ON ADJACENT WALL IN SECURE CABINET. SEE ARCH DRAWINGS. HWF-1 SHALL BE MOUNTED UPSIDE DOWN DIRECTLY ABOVE DF-1.



PLAN NORTH  
**1** PLUMBING PLAN - LEVEL 3  
 SCALE: 1/8" = 1'-0"



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 DATE SIGNED: 9-18-20

PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**PLUMBING PLAN - LEVEL 3**

DRAWING STATUS  
**WORKING DRAWINGS**

**REVISIONS**

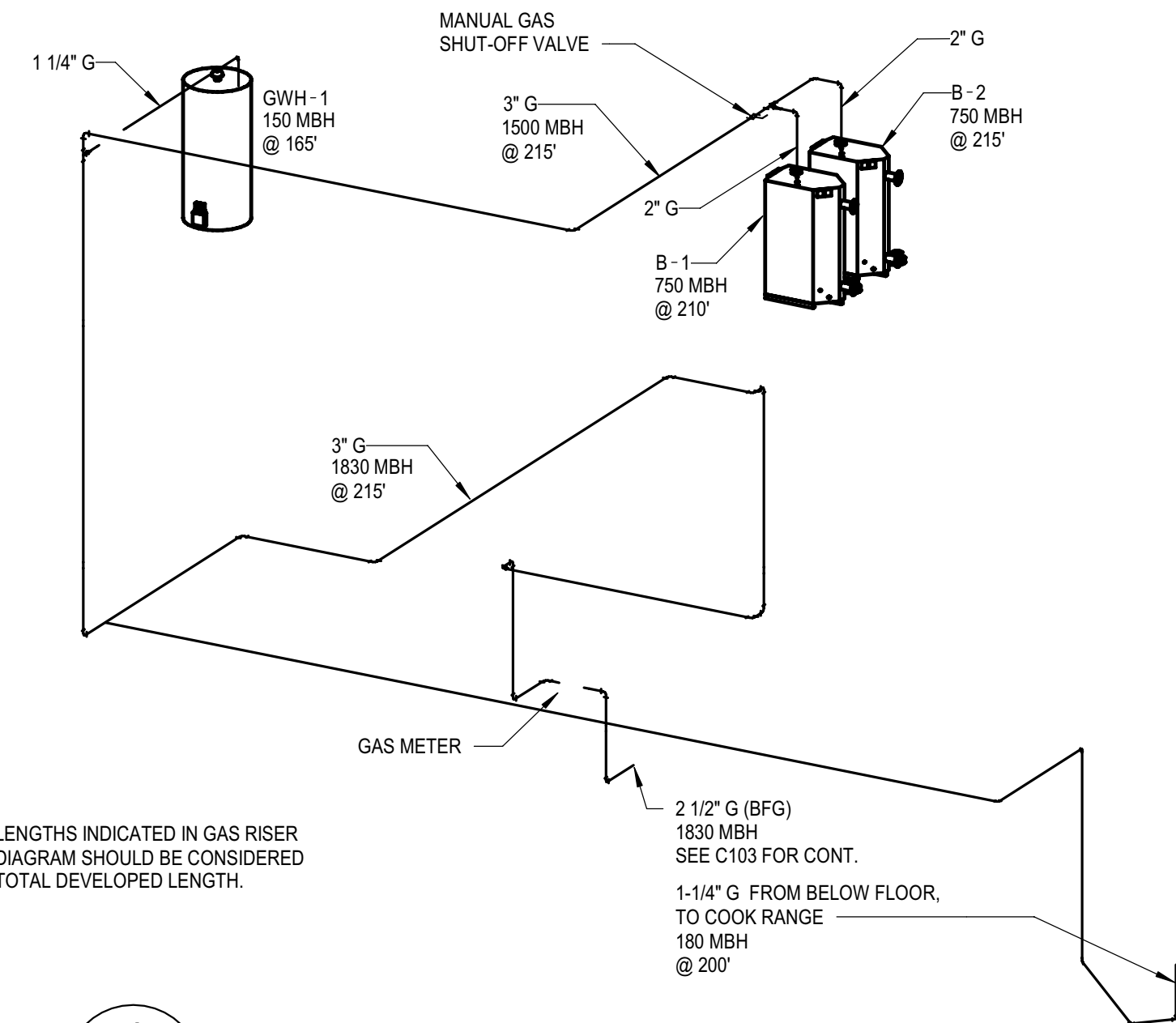
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Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

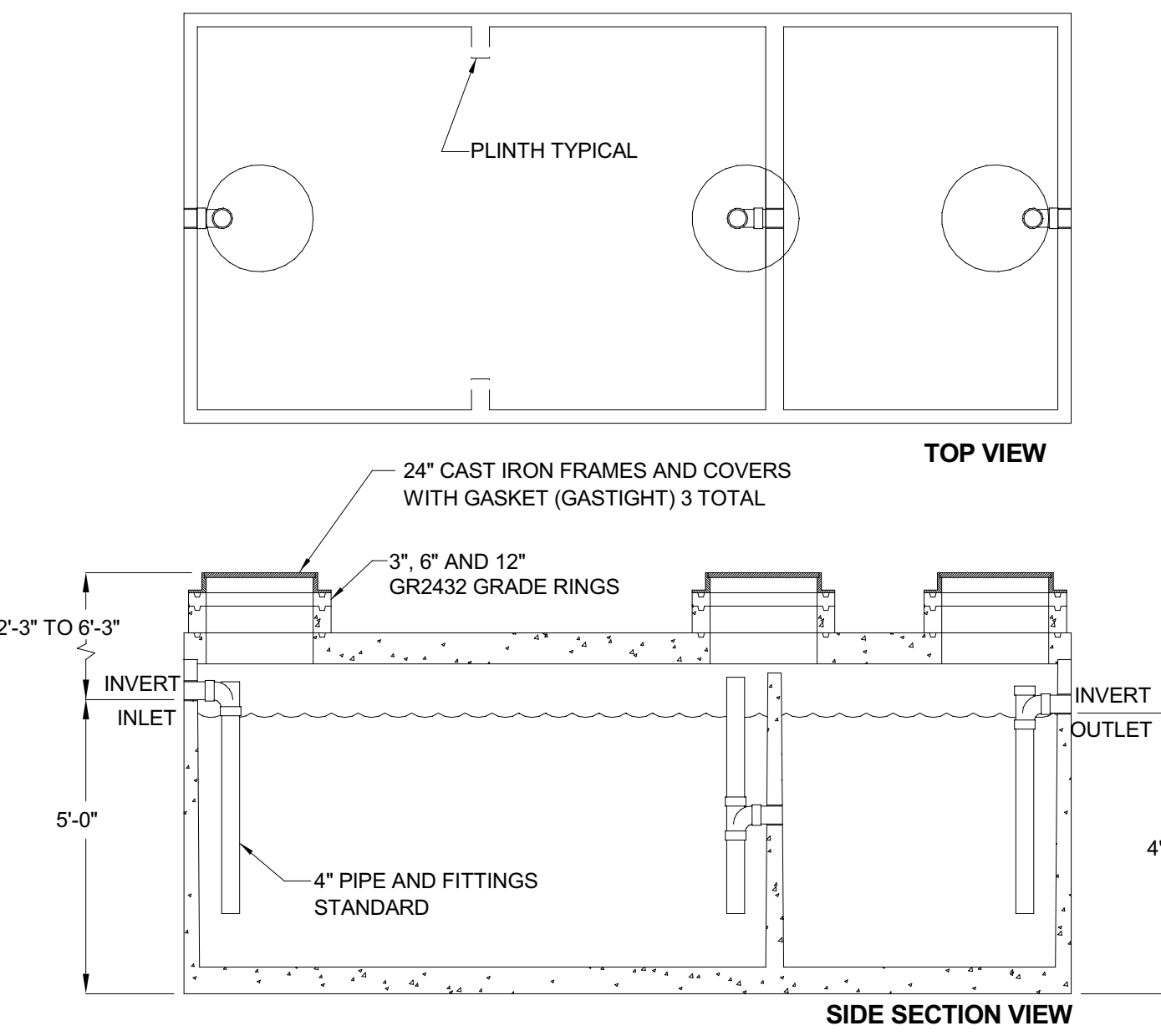
SHEET No.  
**P202 V4**

### PLUMBING EQUIPMENT SCHEDULE (ADD ALT)

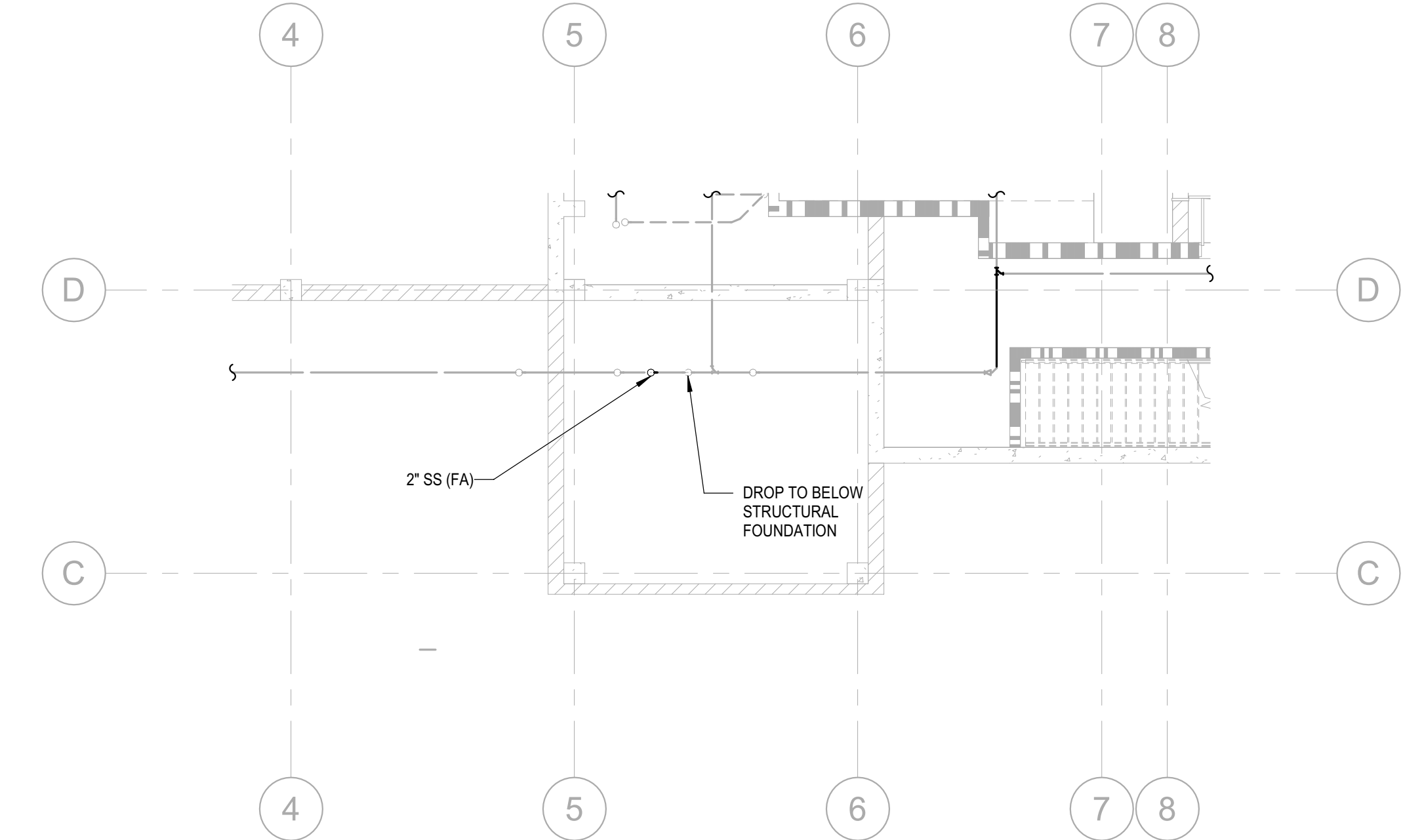
TAG	DESCRIPTION
GI 1	<b>GREASE INTERCEPTOR</b> "JENSEN" MODEL JP750EPE-G, 750 GALLON GREASE INTERCEPTOR, THREE (3) 24" DIA STANDARD MANHOLES, 4" INLET & OUTLET CONNECTIONS, 4" DIA INLET PIPE, 4" DIA OUTLET PIPE, PROVIDE 24" DIA CAST IRON FRAMES AND COVERS WITH GASTIGHT GASKETS AND THREE (3) RISERS AS NECESSARY, H-20 TRAFFIC RATED MANHOLES, DIMENSIONS: 8'1" L x 4'0" W x 6'3" HT, OPERATING WEIGHT: 7,500 LBS.



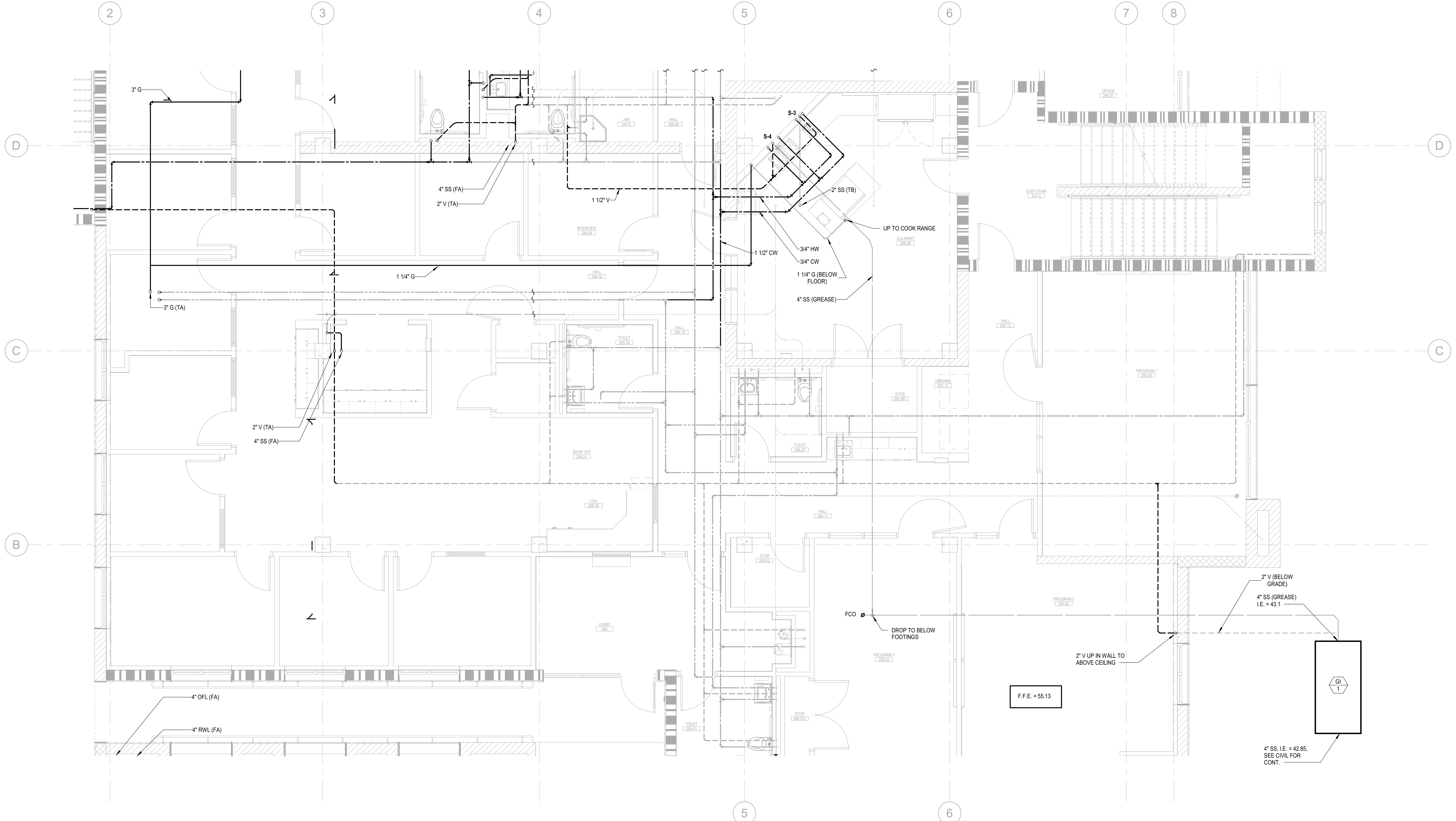
**4 GAS RISER DIAGRAM ADD ALT**  
P202A SCALE: NONE



**3 GREASE INTERCEPTOR**  
P202A SCALE: NONE



**1 PLUMBING PLAN - LEVEL 1 - ADD ALT**  
P202A SCALE: 1/8" = 1'-0"



**2 PLUMBING PLAN - LEVEL 2 - ADD ALT**  
P202A SCALE: 1/4" = 1'-0"



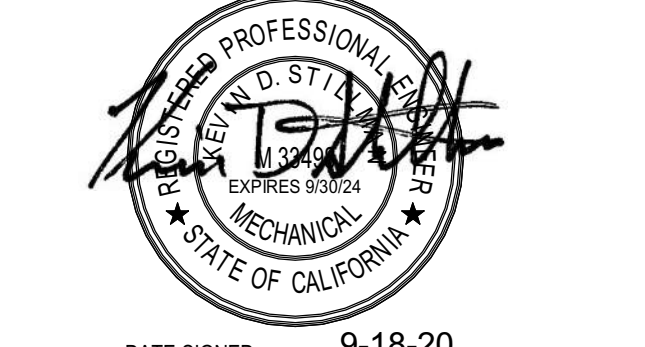
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DATE SIGNED: 9-18-20

PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**CULINARY CLASSROOM ADDITIVE ALTERNATE - PLUMBING**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

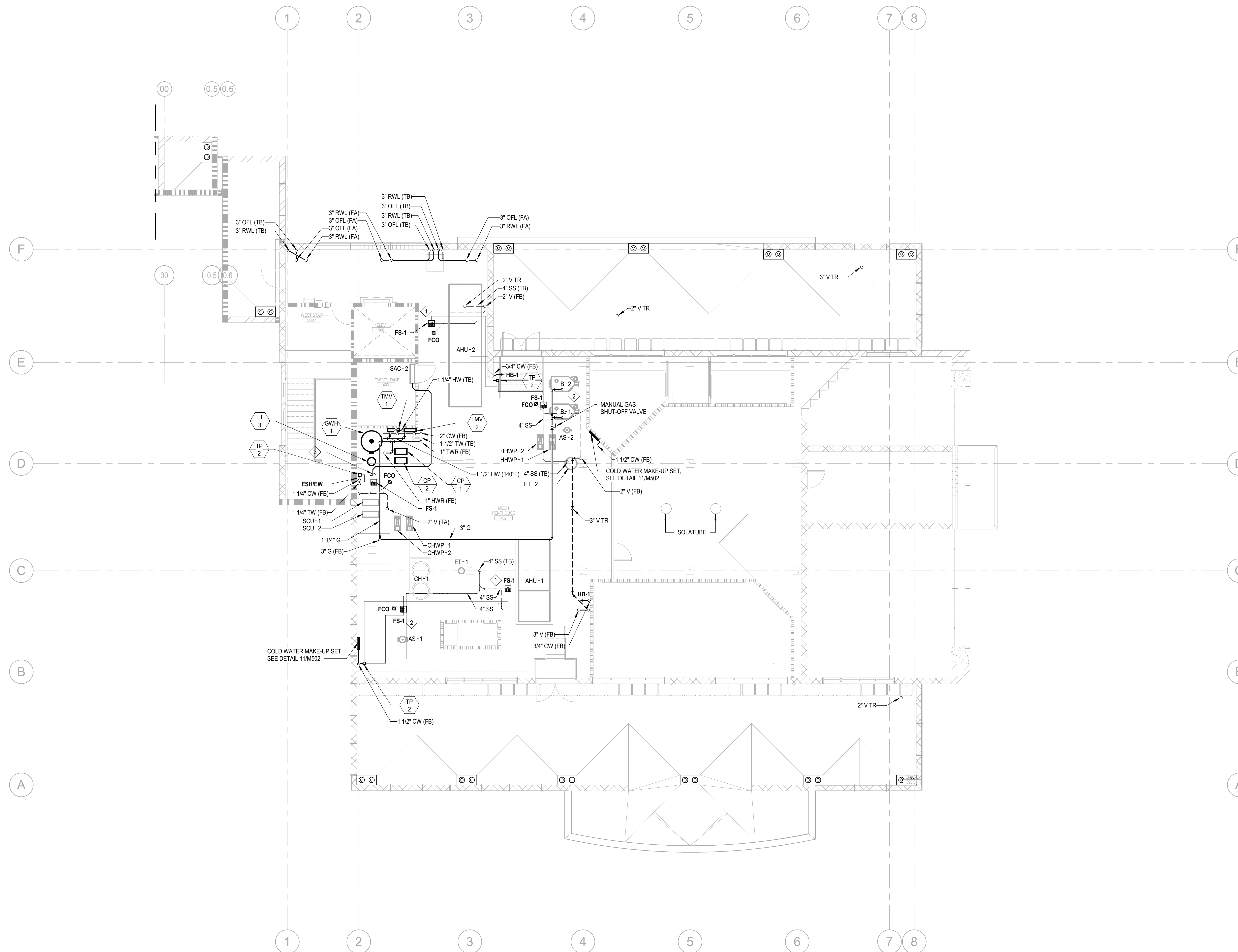
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**P202A V4**

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 User: jkharnt



**KEYNOTES:**

- ① ROUTE 3/4" CD FROM AHU TO FLOOR SINK.
- ② ROUTE 1" CD FROM CHILLER/BOILER TO FLOOR SINK.
- ③ ROUTE 3/4" CD FROM SAC-2 TO FLOOR SINK.



**1** PLUMBING PLAN - LEVEL 4 PH  
P203 SCALE: 1/8" = 1'-0"



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CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS

**CAPITAL**  
ENGINEERING CONSULTANTS, INC.  
RANCHO CONCORDIA, CALIFORNIA  
JD - IS/JH/HC 170324.00  
PH - DESIGN TEAM PROJECT NO.

LICENSE STAMPS

DATE SIGNED: 9-18-20

PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**PLUMBING PLAN - LEVEL  
4 PH**

DRAWING STATUS  
**WORKING DRAWINGS**

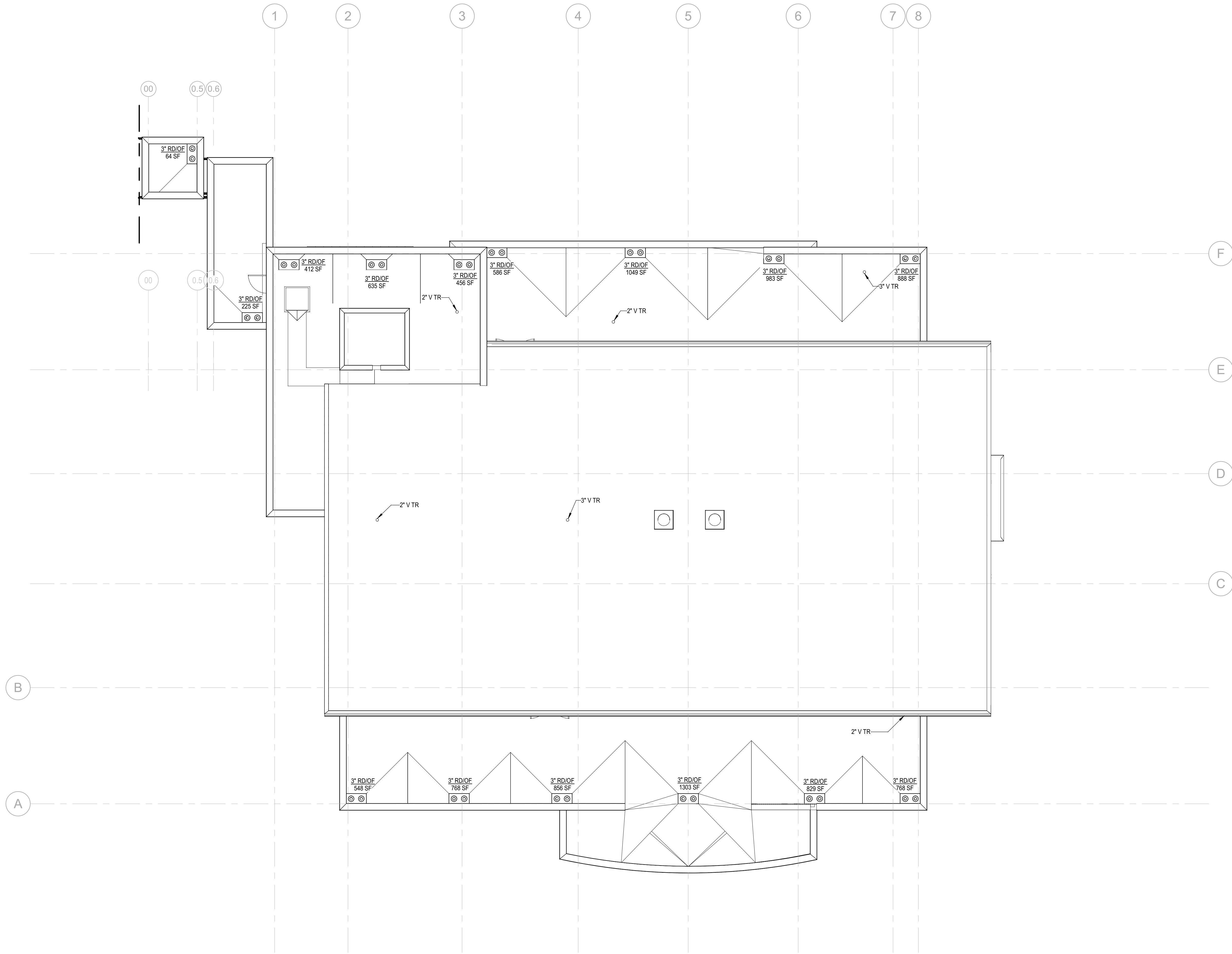
REVISIONS		
Delta	Description	Date

Drawn By	JD/JH/HC
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**P203 V4**

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PLAN NORTH  
**1**  
**P204** PLUMBING PLAN - ROOF  
 SCALE: 1/8" = 1'-0"



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 P/E - DESIGN TEAM PROJECT NO.

LICENSE STAMPS

PROJECT NAME  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
 PLUMBING PLAN - ROOF

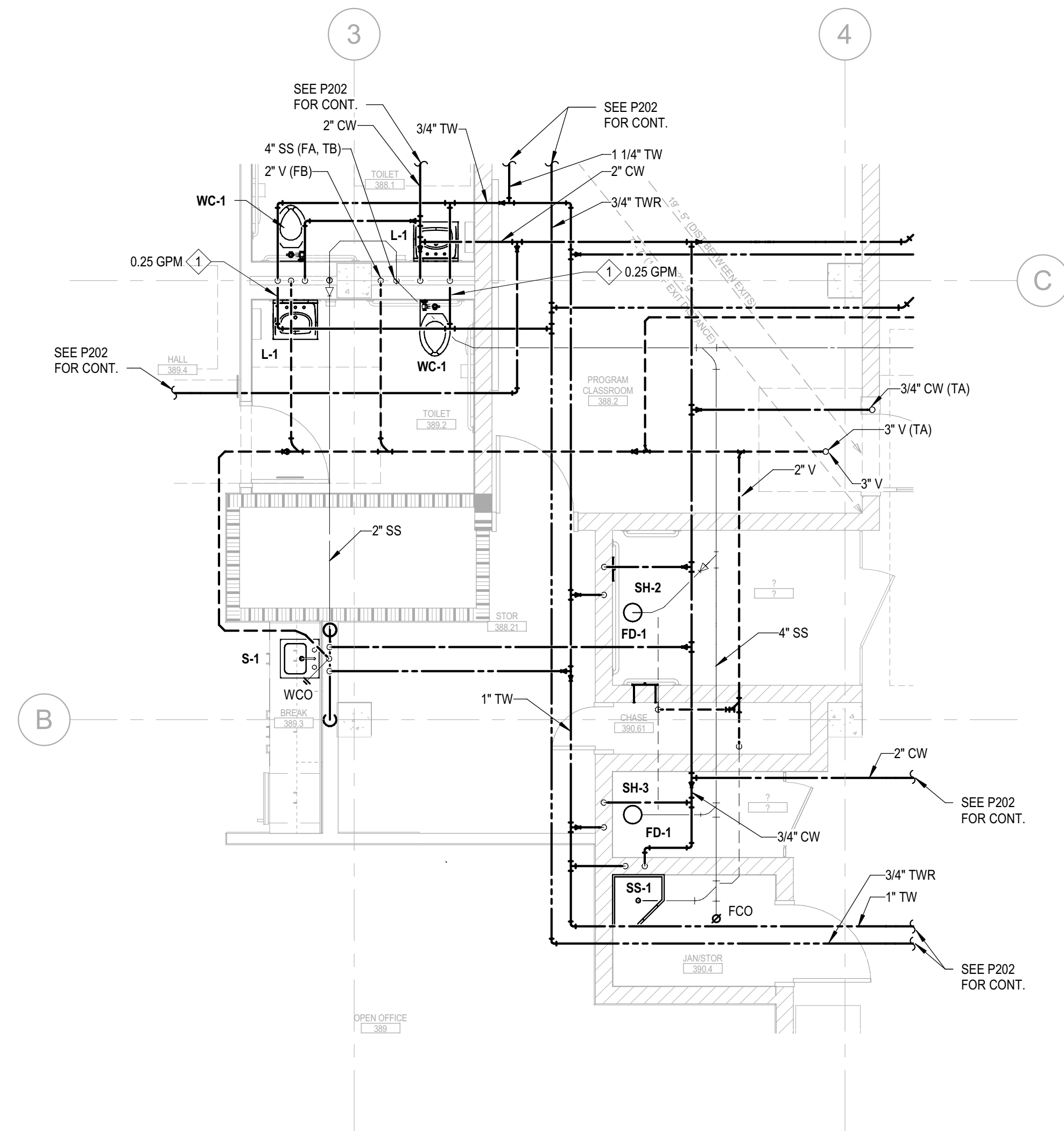
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REVISIONS

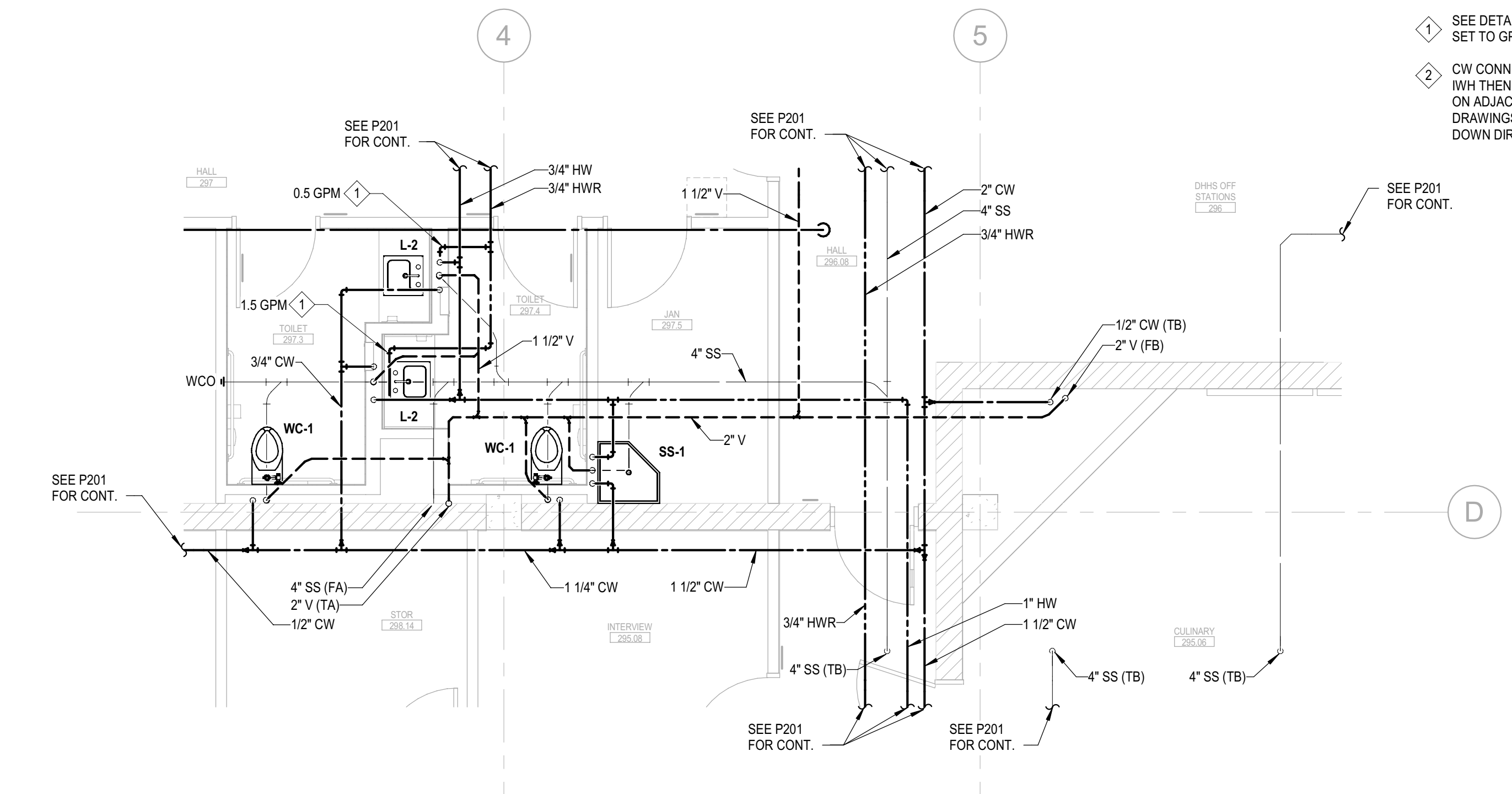
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Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

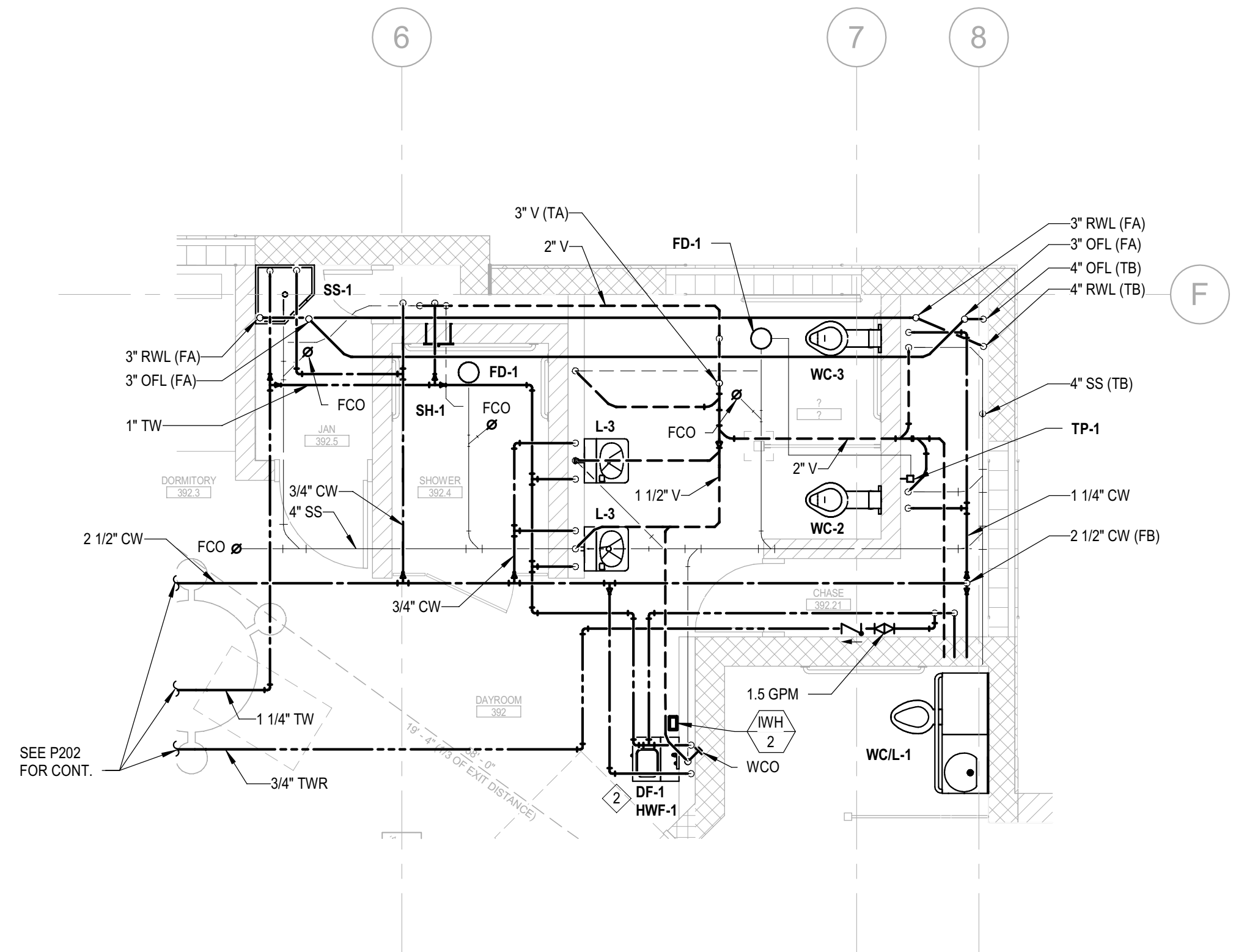
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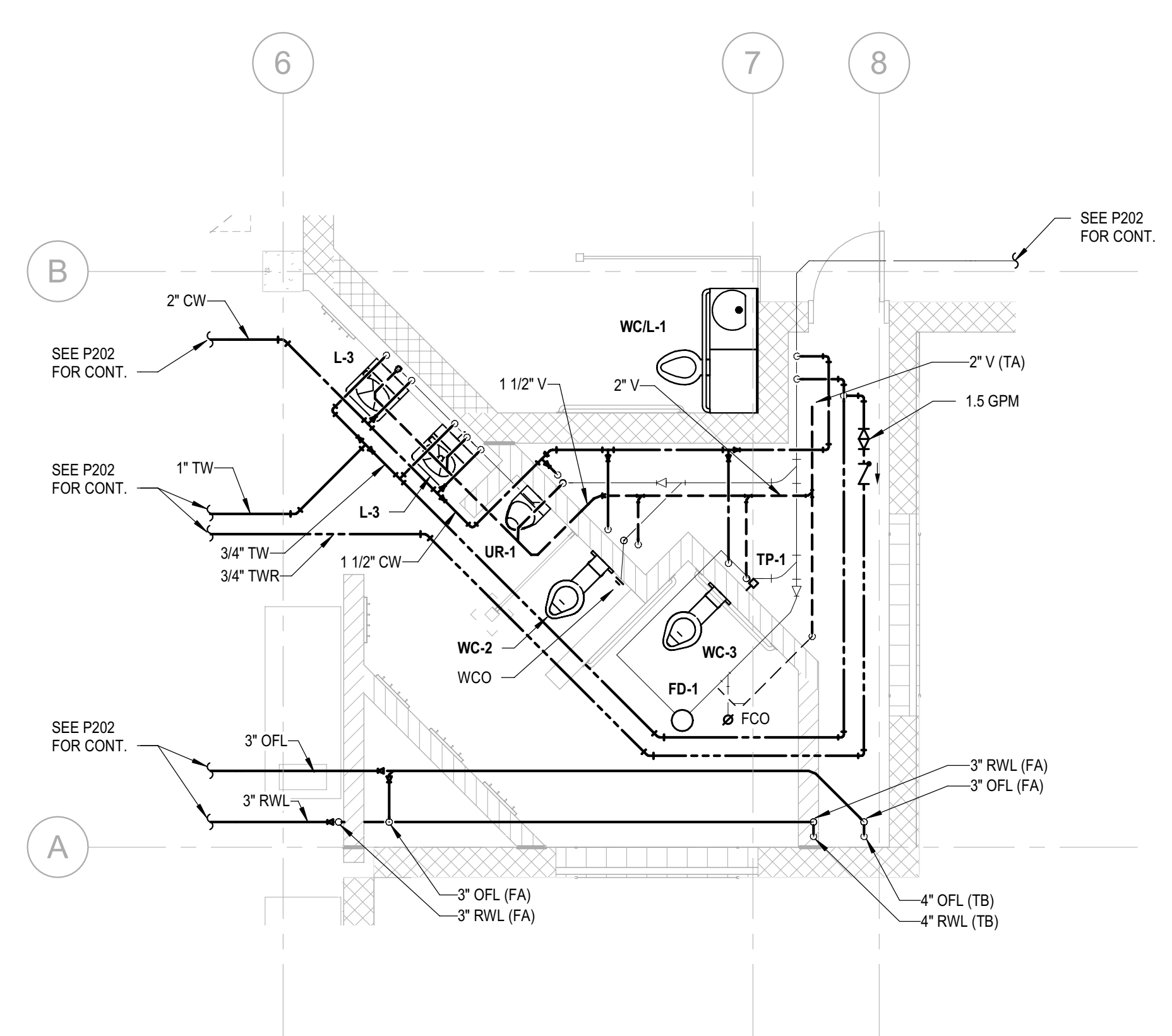
PLAN NORTH  
**4** LEVEL 3 - RESTROOMS & SHOWERS  
 P300 SCALE: 1/4" = 1'-0"



PLAN NORTH  
**1** LEVEL 2 - RESTROOMS & CULINARY  
 P300 SCALE: 1/4" = 1'-0"



PLAN NORTH  
**2** LEVEL 3 - RESTROOM 392.2  
 P300 SCALE: 1/4" = 1'-0"



PLAN NORTH  
**3** LEVEL 3 - RESTROOM 390.2  
 P300 SCALE: 1/4" = 1'-0"

PLUMBING FIXTURE CALCULATION						
HUMBOLDT RE-ENTRY. INCLUDES CULINARY CLASSROOM ADDITIVE ALTERNATE.						
PLUMBING FIXTURE CALCULATION WORKSHEET FOR SIZING WATER AND WASTE MAINS FROM 2016 CALIFORNIA PLUMBING CODE, APPENDIX A (DOMESTIC WATER), CHAPTER 7 (WASTE).						
FIXTURE NO.	TYPE	COLD WATER FU	COLD WATER TOTAL	HOT WATER TOTAL @ 75% FU	WASTE FU	TOTAL
7	WC (F.V.-PRIVATE)	5	35	-	3	21
9	WC (F.V.-PUBLIC)	5	45	-	4	36
1	UR (F.V.-PUBLIC)	4	4	-	2	2
1	EW	0.5	0.5	-	0.5	0.5
1	HB (YST)	2.5	2.5	-	0	0
6	HB (EA ADD.)	1	6	-	0	0
1	RIM	1	1	-	0.5	0.5
14	LAV (SINGLE)	1	14	10.5	1	14
4	LAV (MULTI)	1	4	3	2	8
4	SINK	1	4	3	2	8
5	SS	3	15	11.25	3	15
1	SINK (2 COMP)	4	4	3	3	3
4	SH	2	8	6	2	8
4	ESHEW	25	25	18.75	4	4
12	FD	0	0	-	0	0
4	FS	0	0	-	2	8
TOTAL UNITS		168		55.5		128

SYSTEM IS SIZED USING FLUSH VALVES:		
TOTAL CW SIZE TO SERVICE (168 FU)	85.5	GPM
PRESSURE AT STREET MAIN	60 (FIELD VERIFY)	PSI
HIGHEST FIXTURE	48	FT
PRESSURE LOSS FROM HEIGHT	17.32	PSI
PRESSURE LOSS FROM METER	2	PSI
PRESSURE LOSS FROM OTHER DEVICES	7	PSI
TOTAL PRESSURE LOSS	26.32	PSI
REQUIRED AT CRITICAL FIXTURE	30	PSI
PRESSURE AVAILABLE FOR FRICTION LOSS	3.68	PSI
TOTAL DEVELOPED LENGTH	195	FT
AVAILABLE DROP PER 100 FT	1.887	PSI
DROP PER 100 FT USED FOR PIPE SIZING	1.299	PSI
PIPE SIZE	2.5	IN
SEWER SIZE (128 FU)	6	IN

**KEYNOTES:**

- 1 SEE DETAIL 8/P300 FOR HWR AT INDIVIDUAL FAUCET. SET TO GPM INDICATED.
- 2 CW CONNECTS TO DF-1. RUN TEMPERED WATER TO IWH THEN FROM THE IWH TO HWF-1. IWH MOUNTED ON ADJACENT WALL IN SECURE CABINET. SEE ARCH DRAWINGS. HWF-1 SHALL BE MOUNTED UPSIDE DOWN DIRECTLY ABOVE DF-1.



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 DATE SIGNED: 9-18-20

PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**PLUMBING  
 CALCULATION &  
 ENLARGED PLANS**

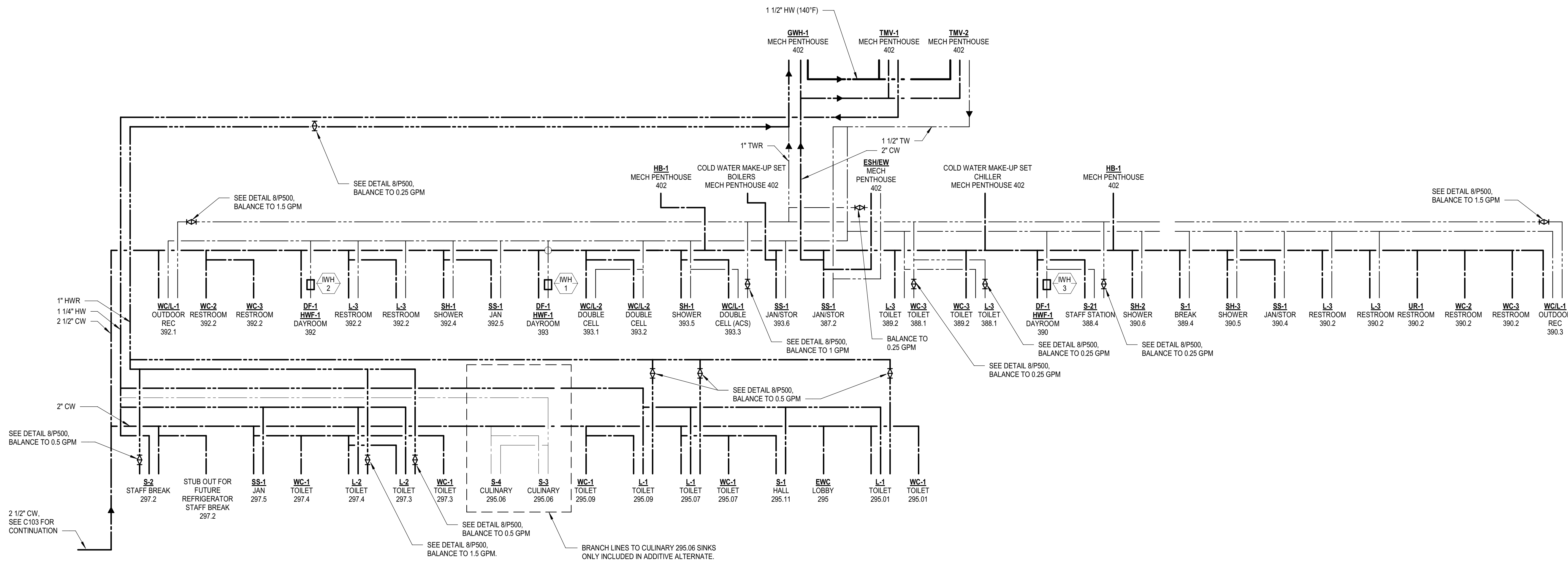
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**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

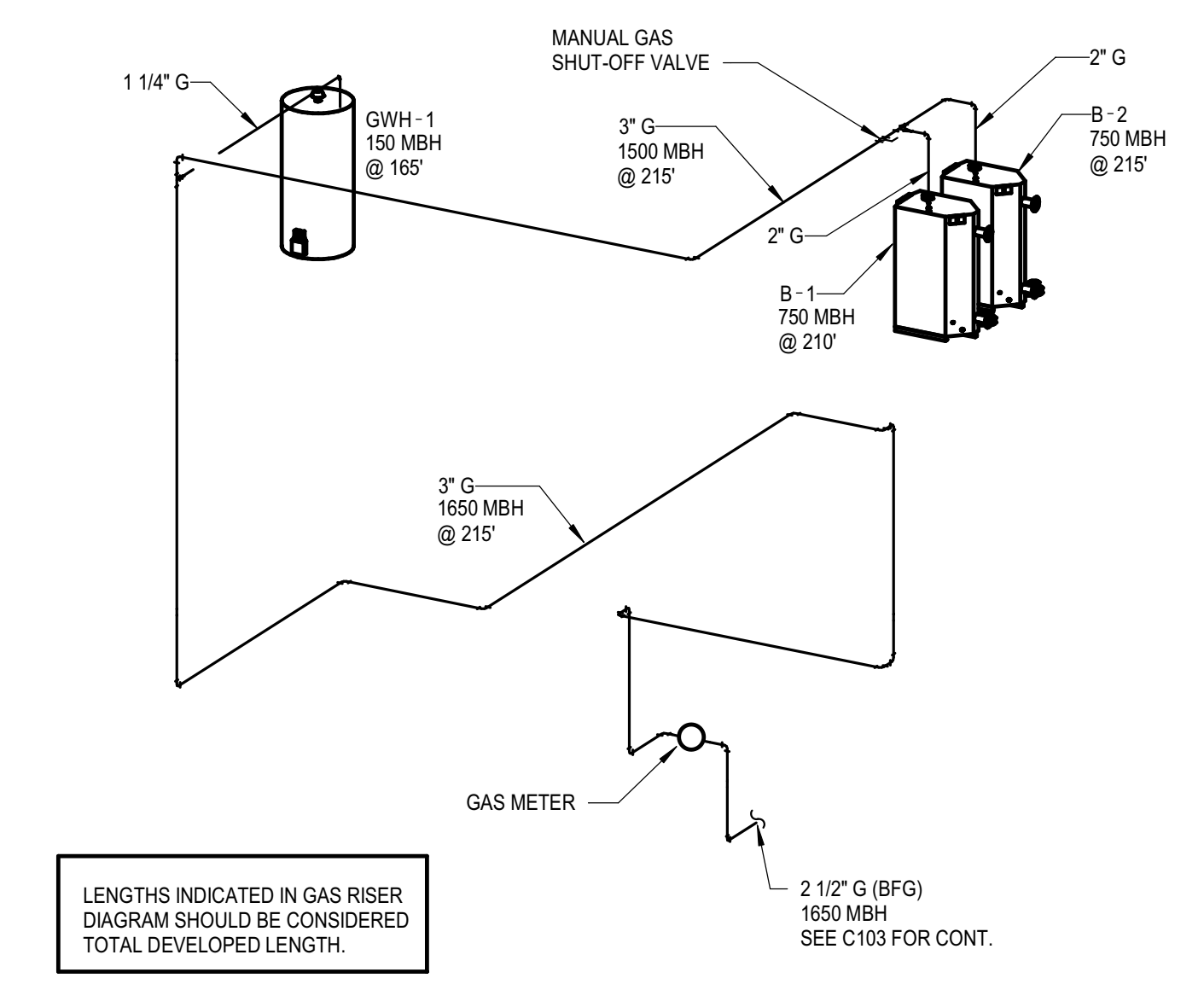
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Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**P300 V4**

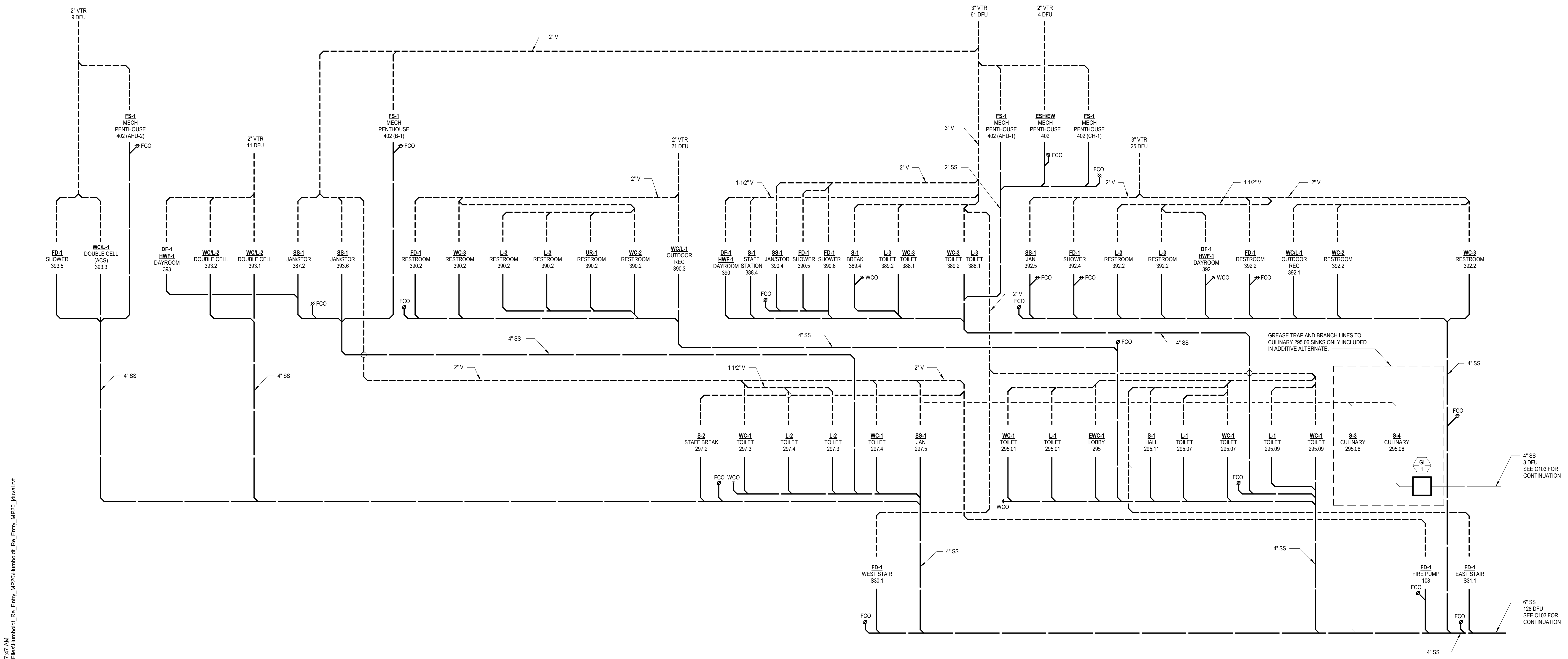
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**2 DOMESTIC WATER RISER DIAGRAM**  
 P301 SCALE: 1" = 1'-0"



**1 GAS RISER DIAGRAM**  
 P301 SCALE:



**3 SANITARY SEWER RISER DIAGRAM**  
 P301 SCALE: 1" = 1'-0"



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LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**PLUMBING RISER DIAGRAMS**

DRAWING STATUS  
**WORKING DRAWINGS**

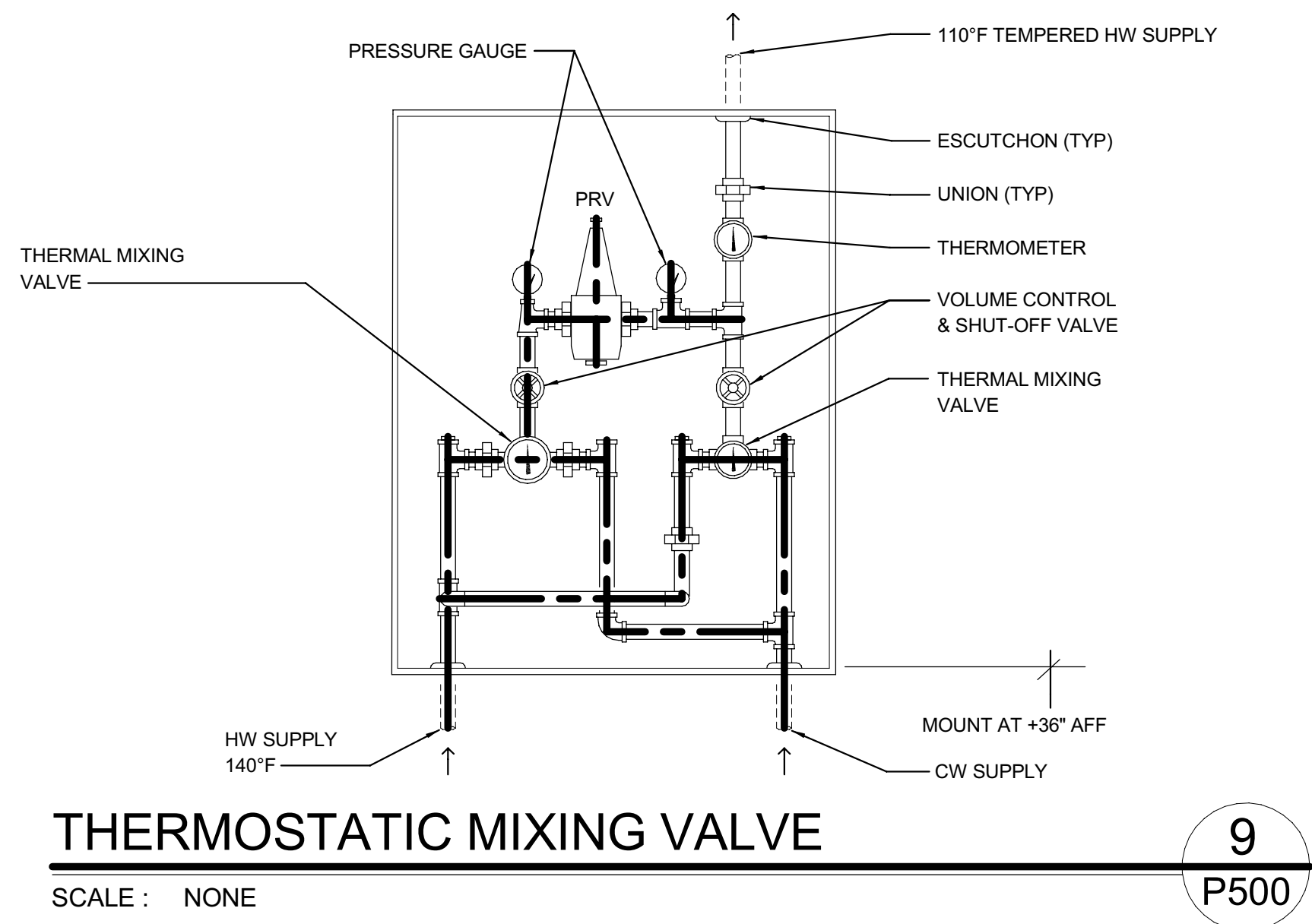
REVISIONS

Delta	Description	Date

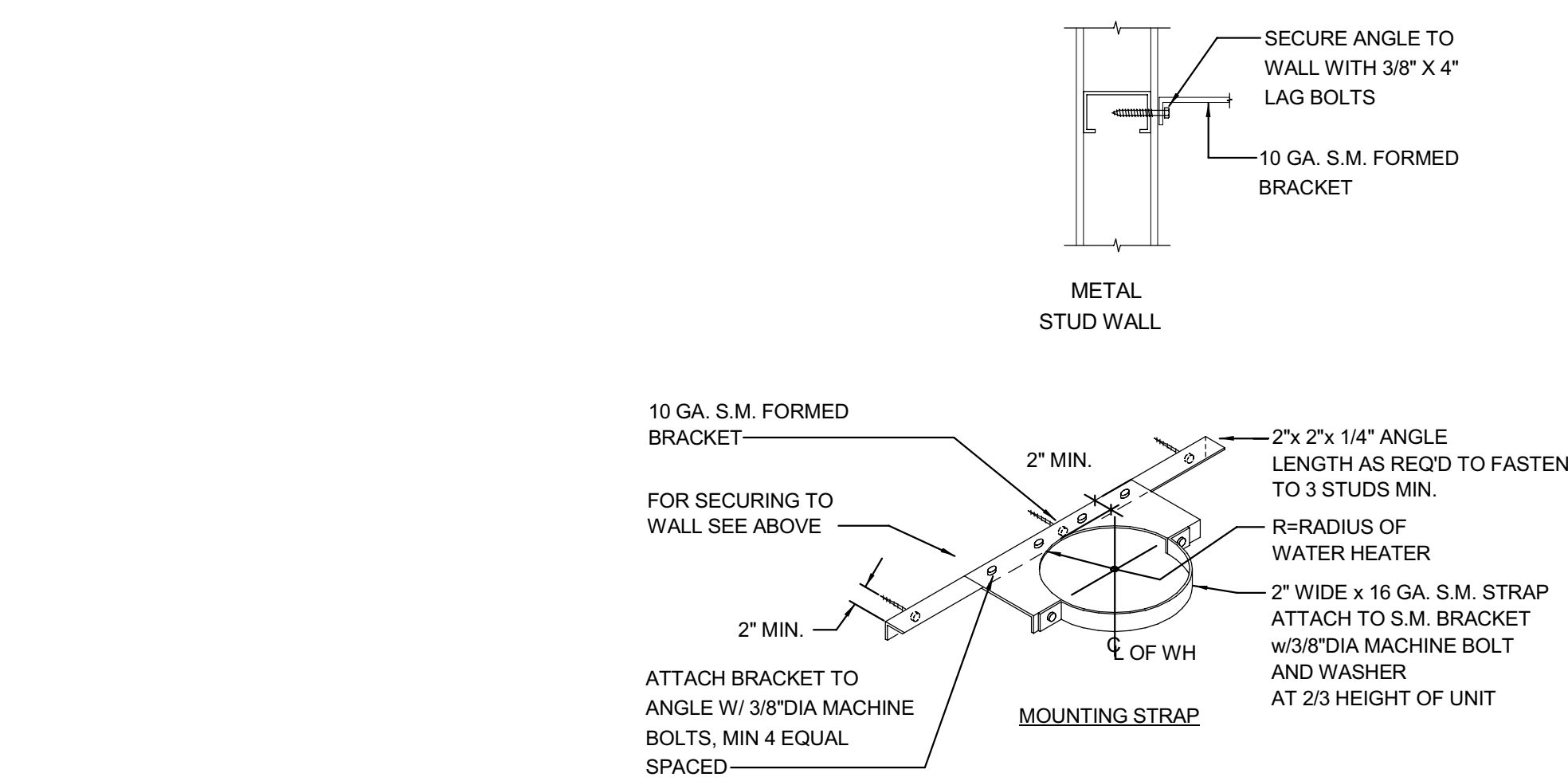
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Project No.	16-6421.00

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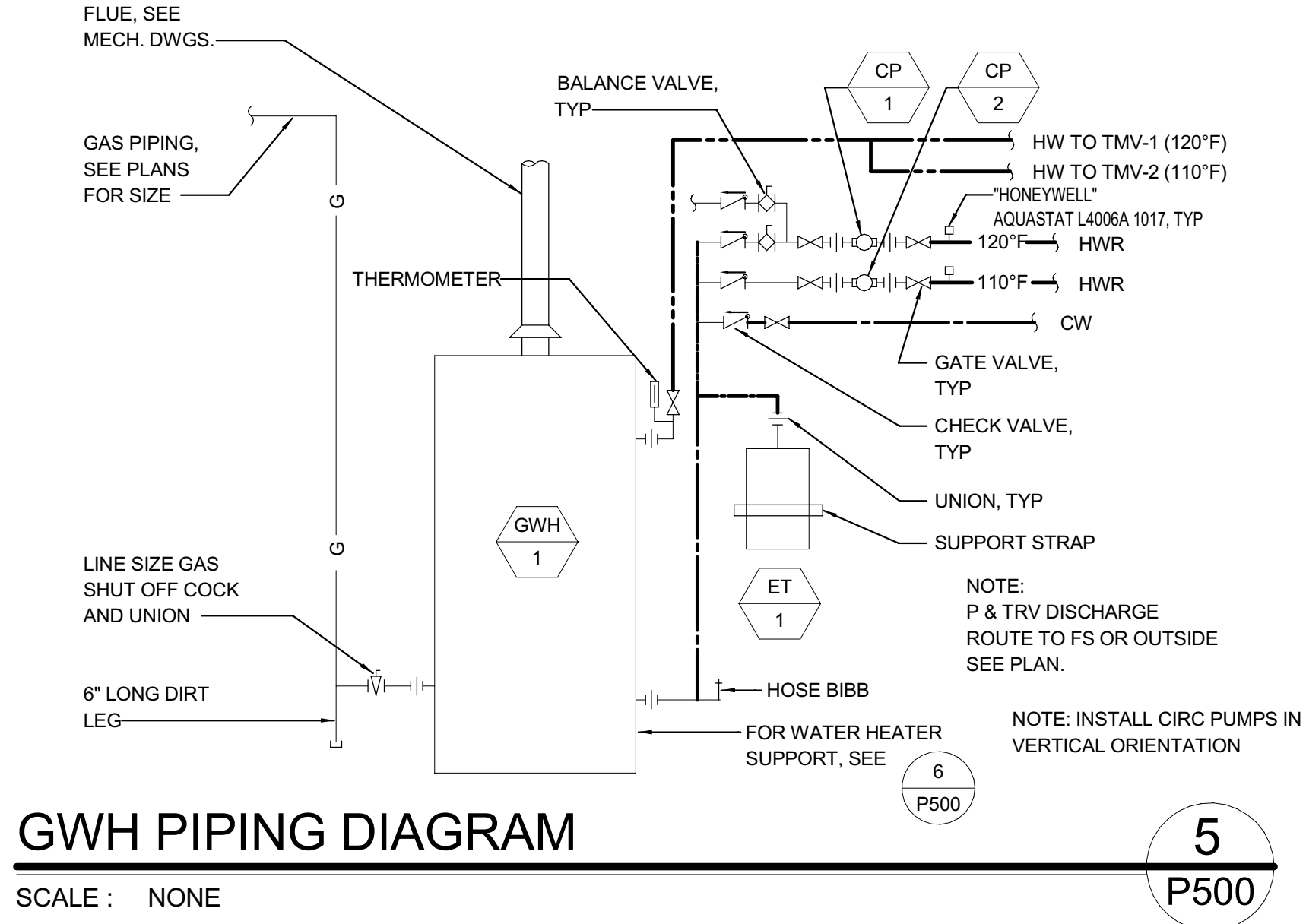
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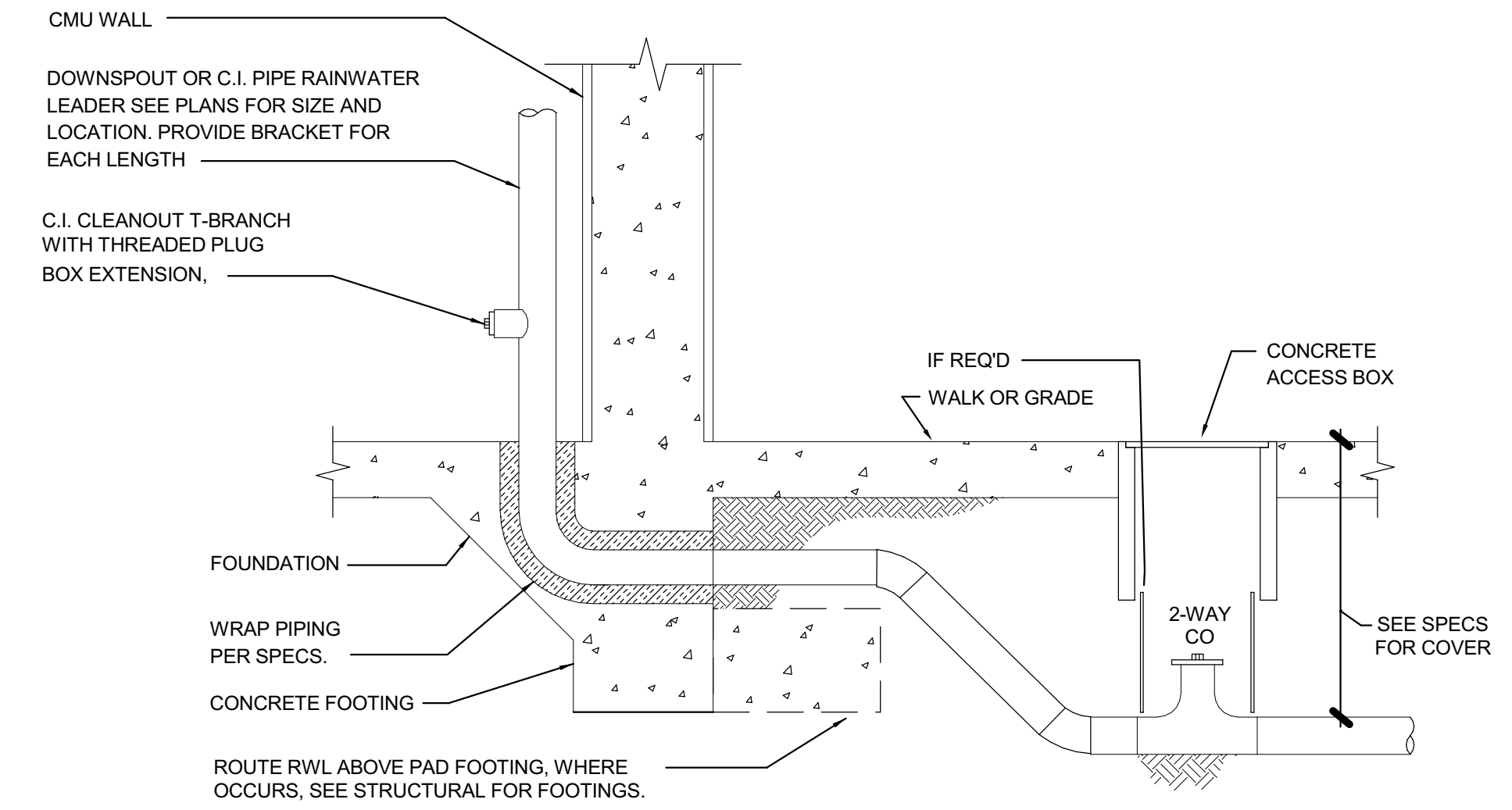
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P500



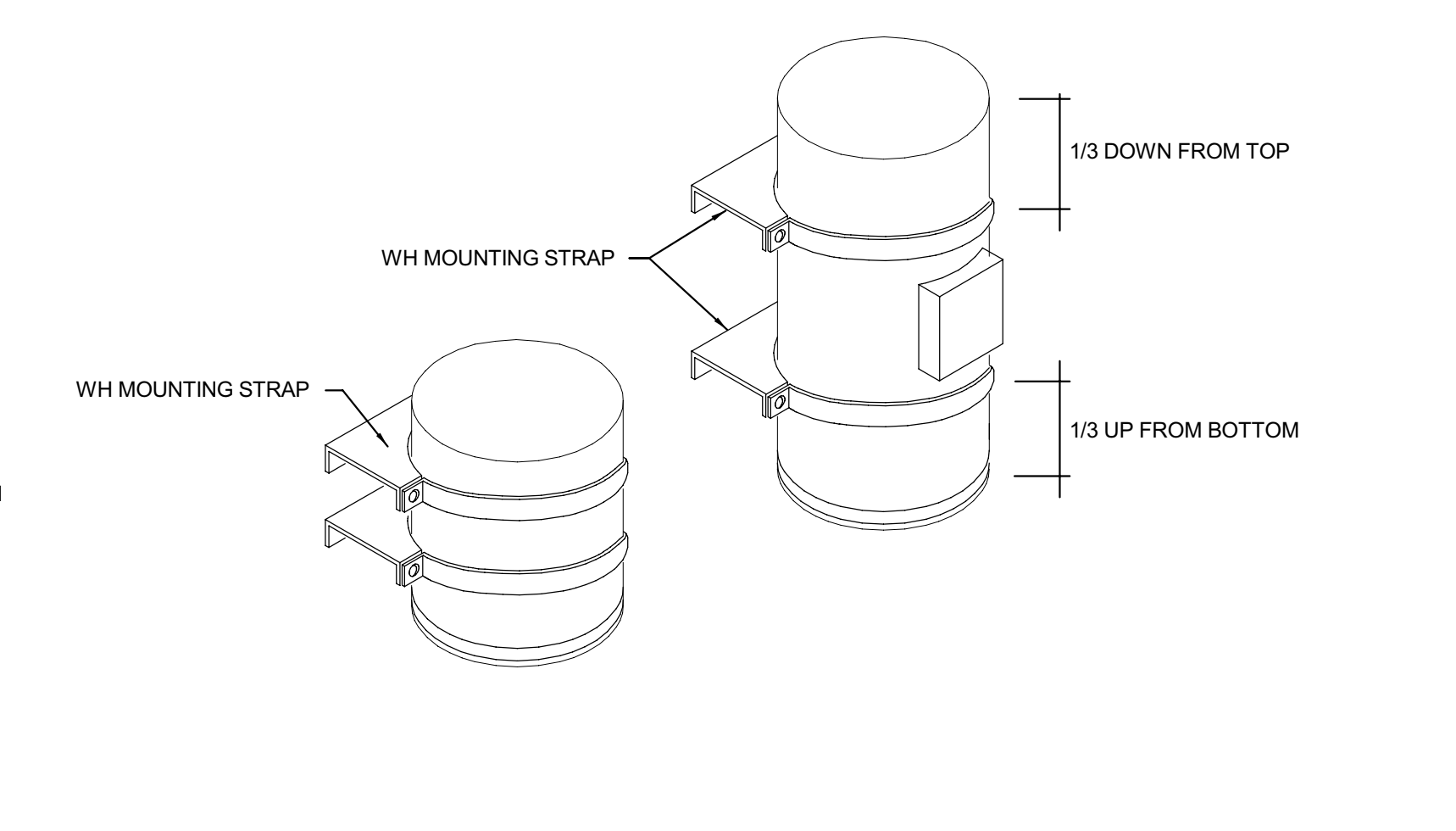
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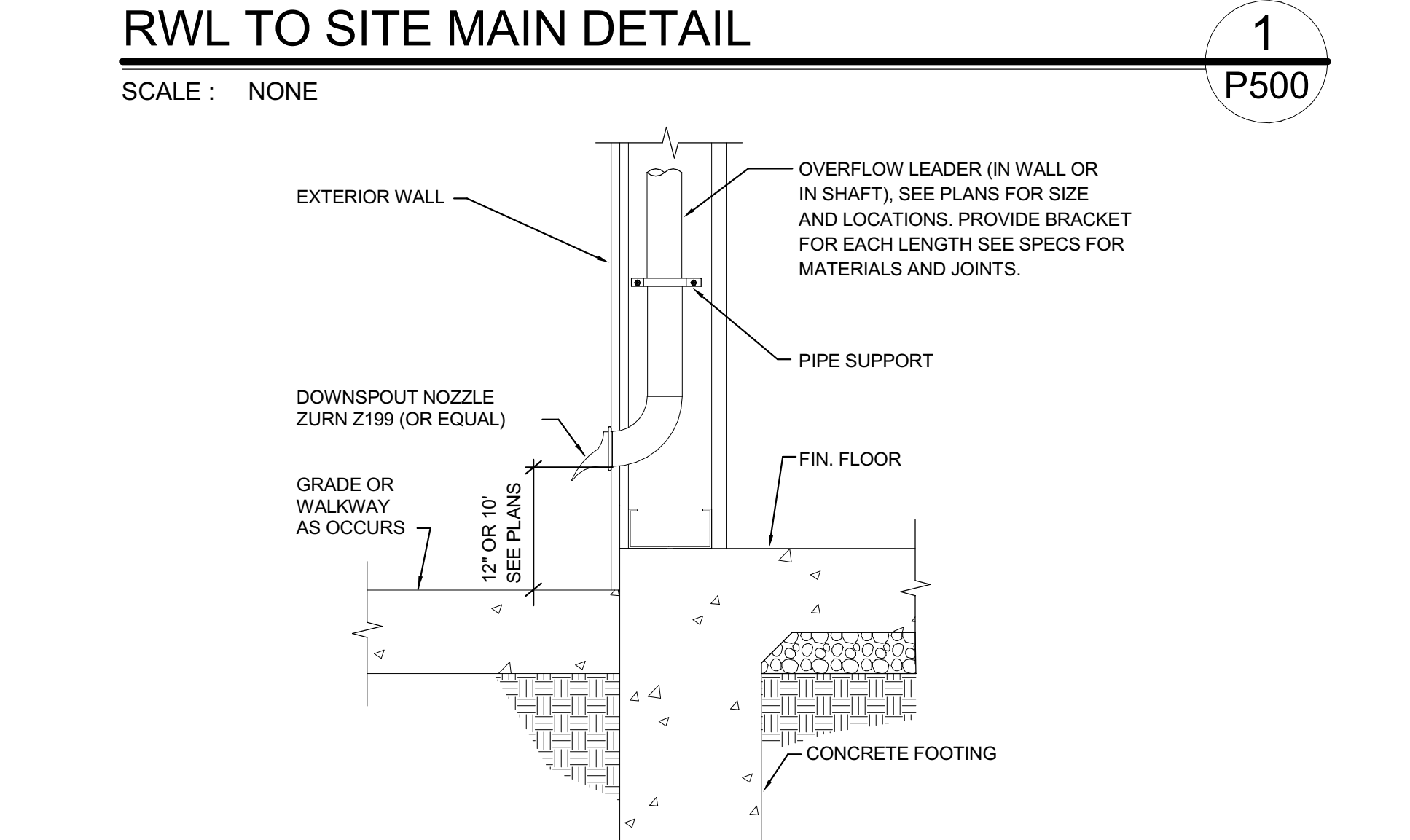
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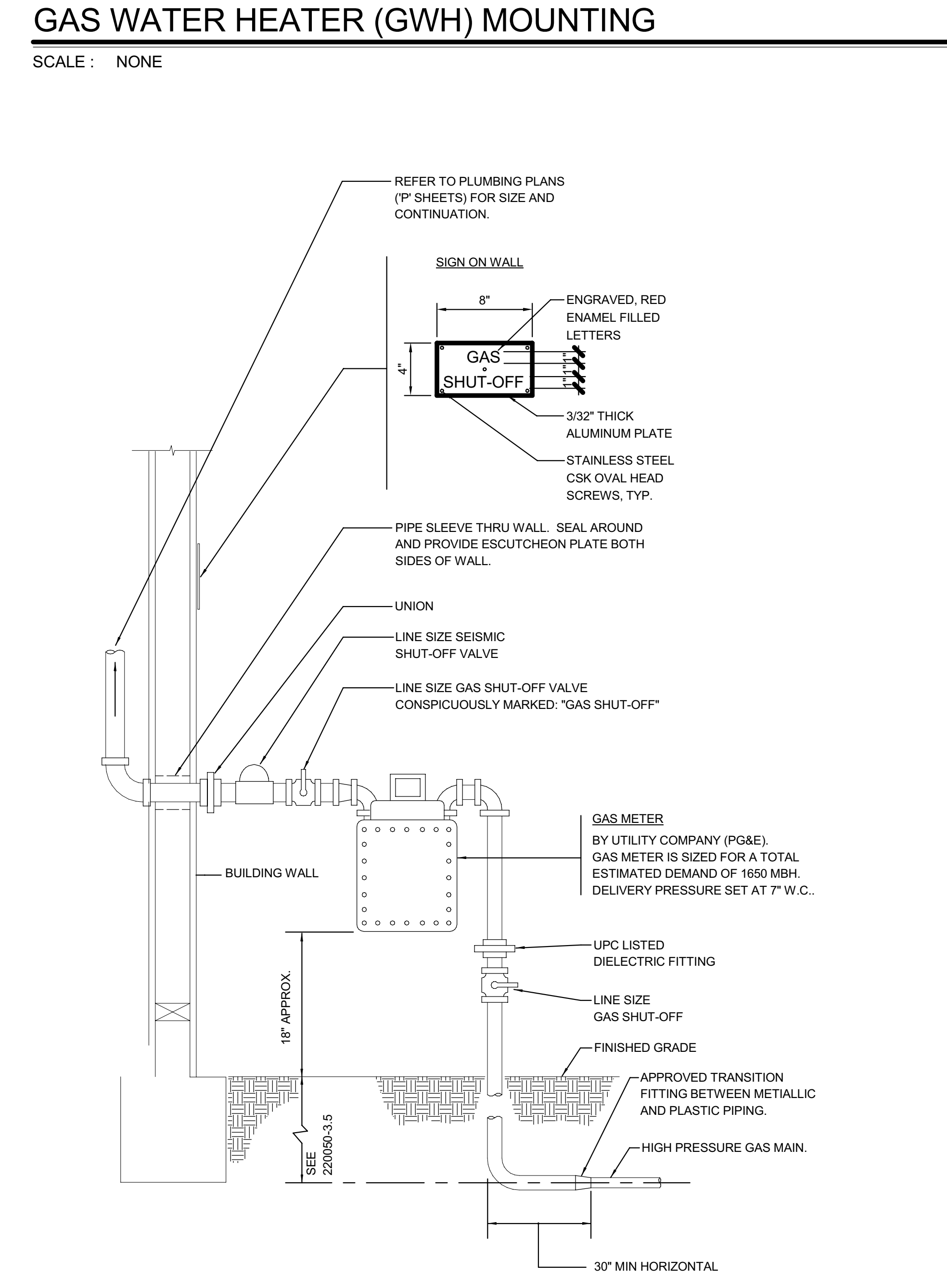
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P500



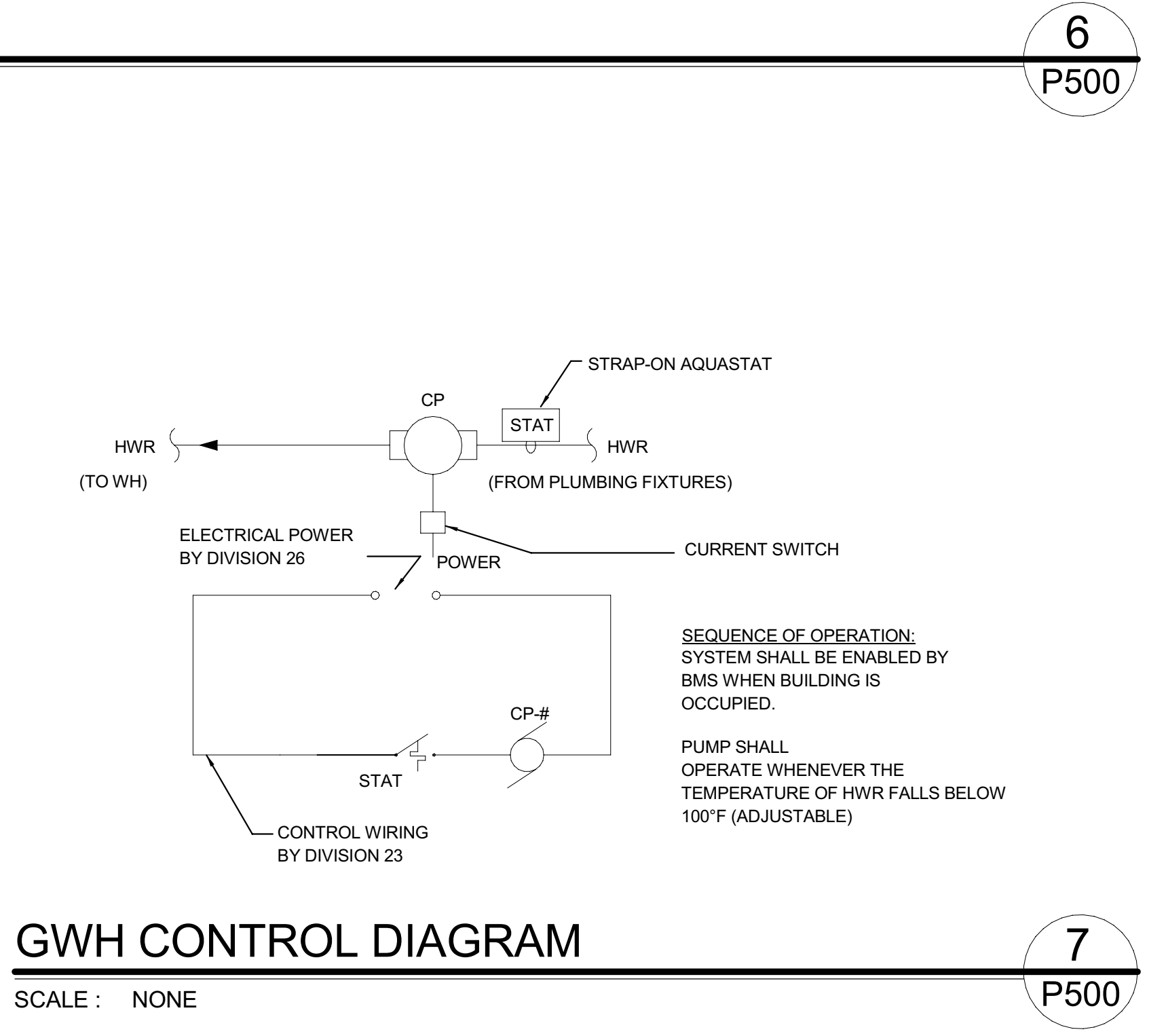
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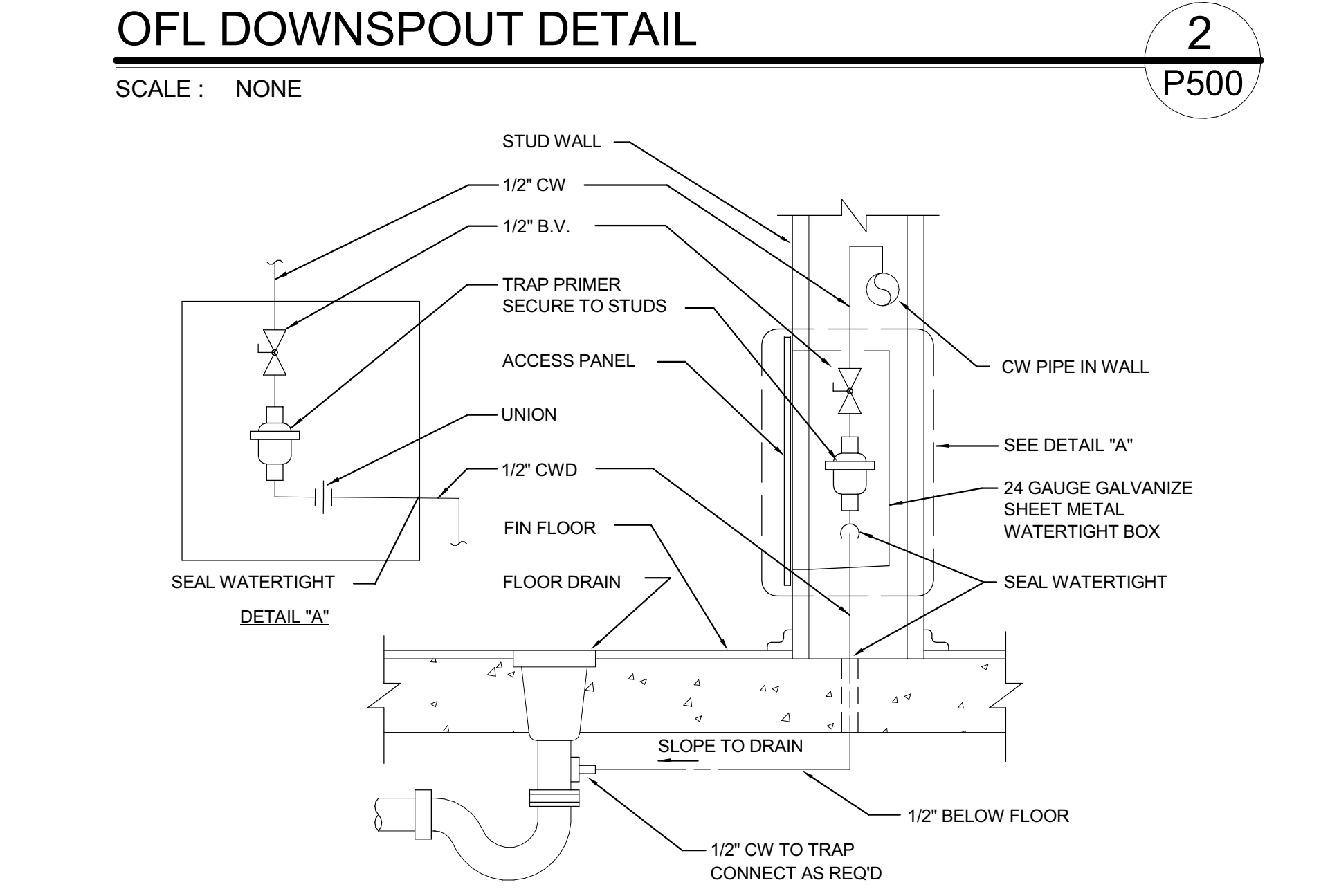
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P500



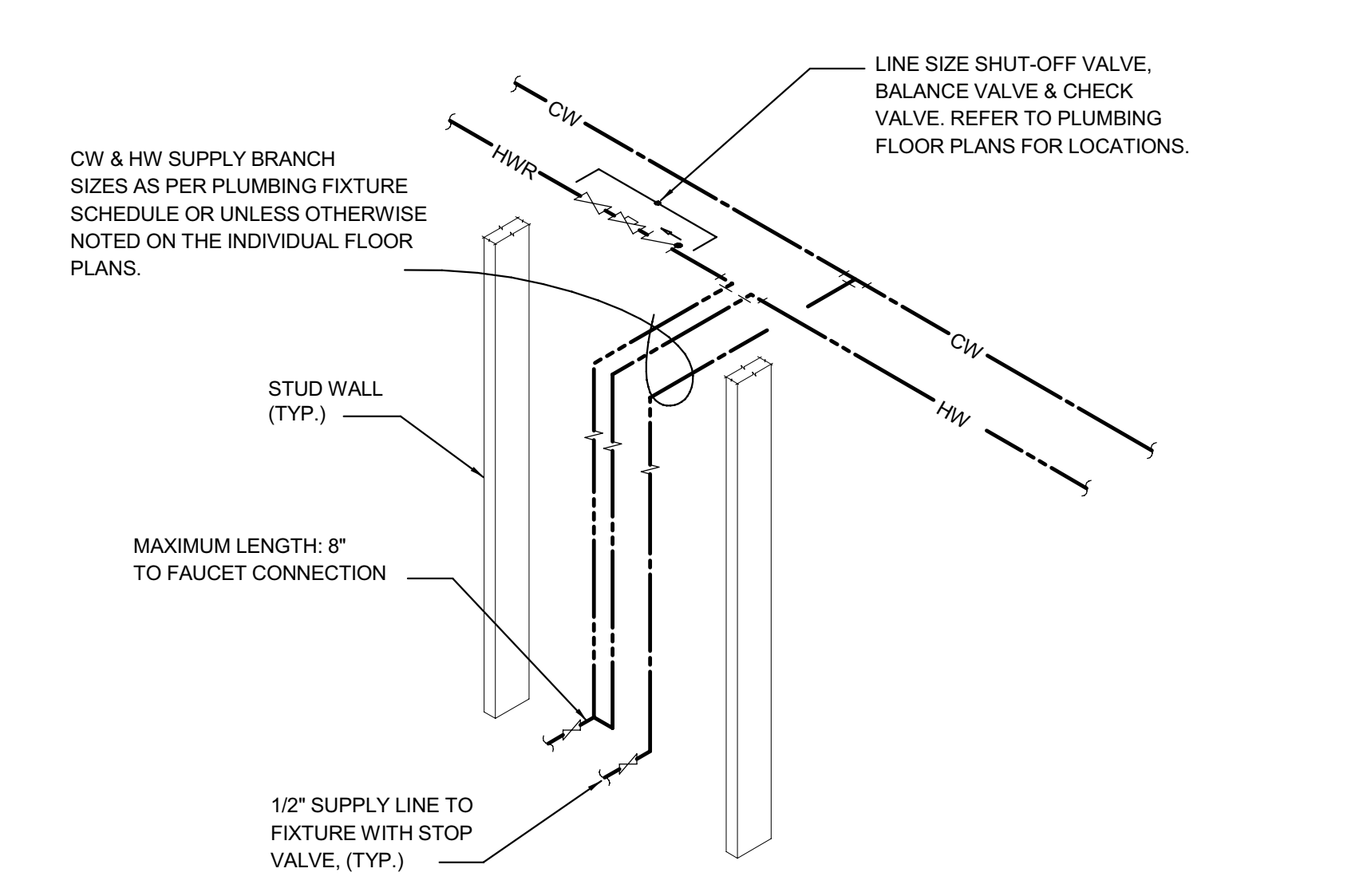
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P500



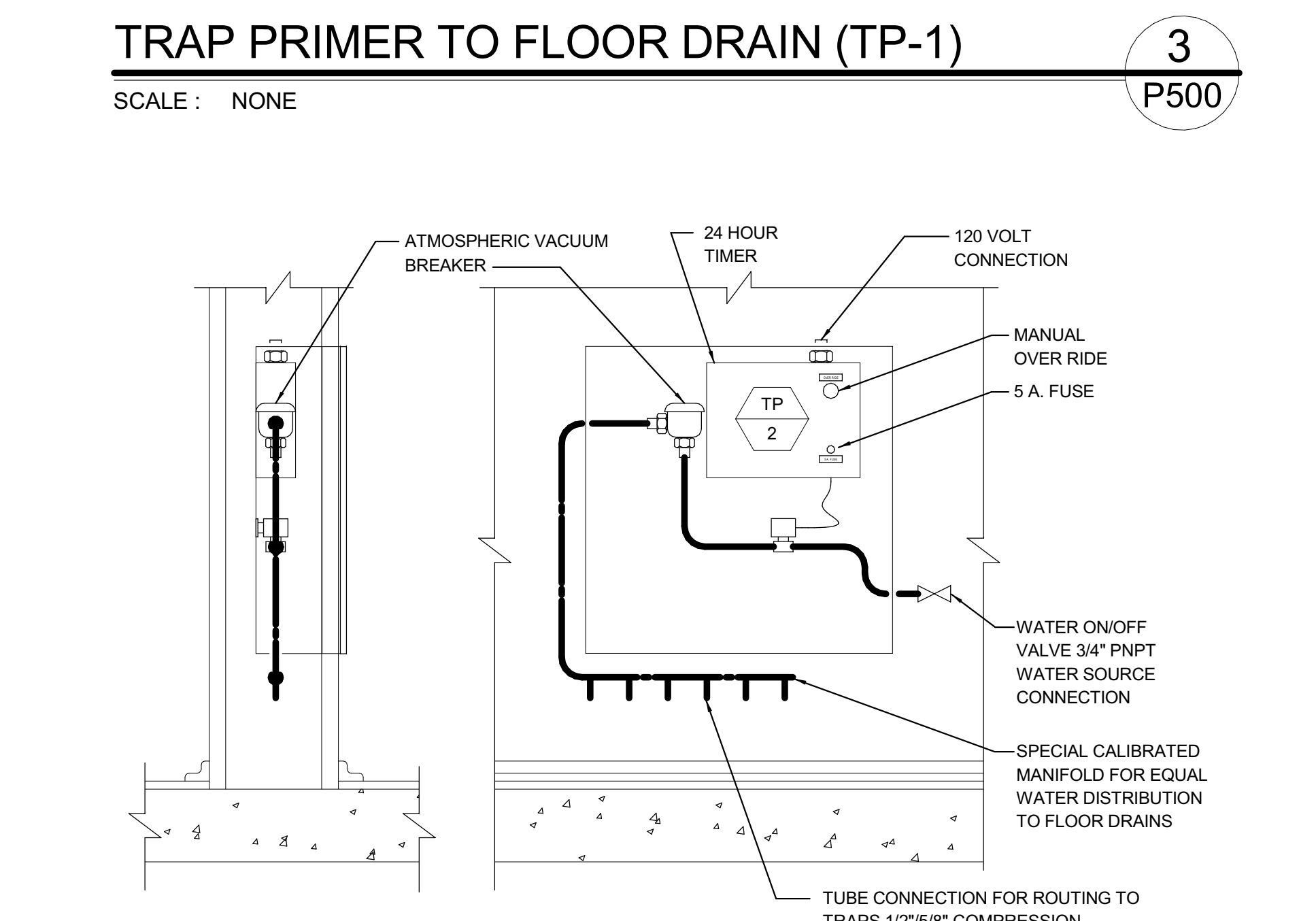
**7**  
P500



**3**  
P500



**8**  
P500



**4**  
P500

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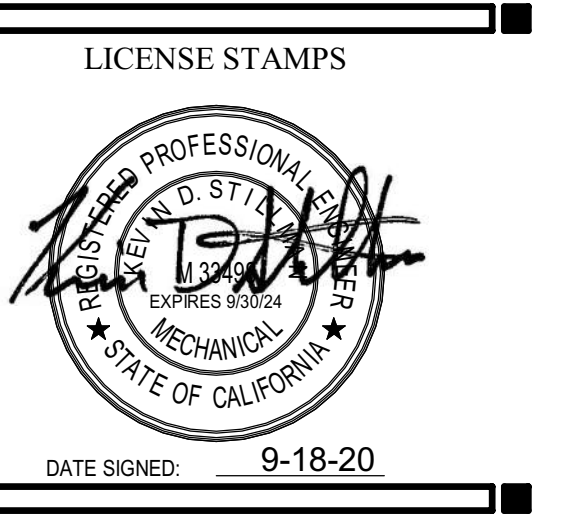


OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY

Approval of these plans does not authorize or approve any construction or installation from any applicable regulations. Approval is subject to field inspection. Other sets of approved plans shall be available on the project site at all times.

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DATE SIGNED: 9-18-20

PROJECT NAME

**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**

929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

**PLUMBING DETAILS**

DRAWING STATUS

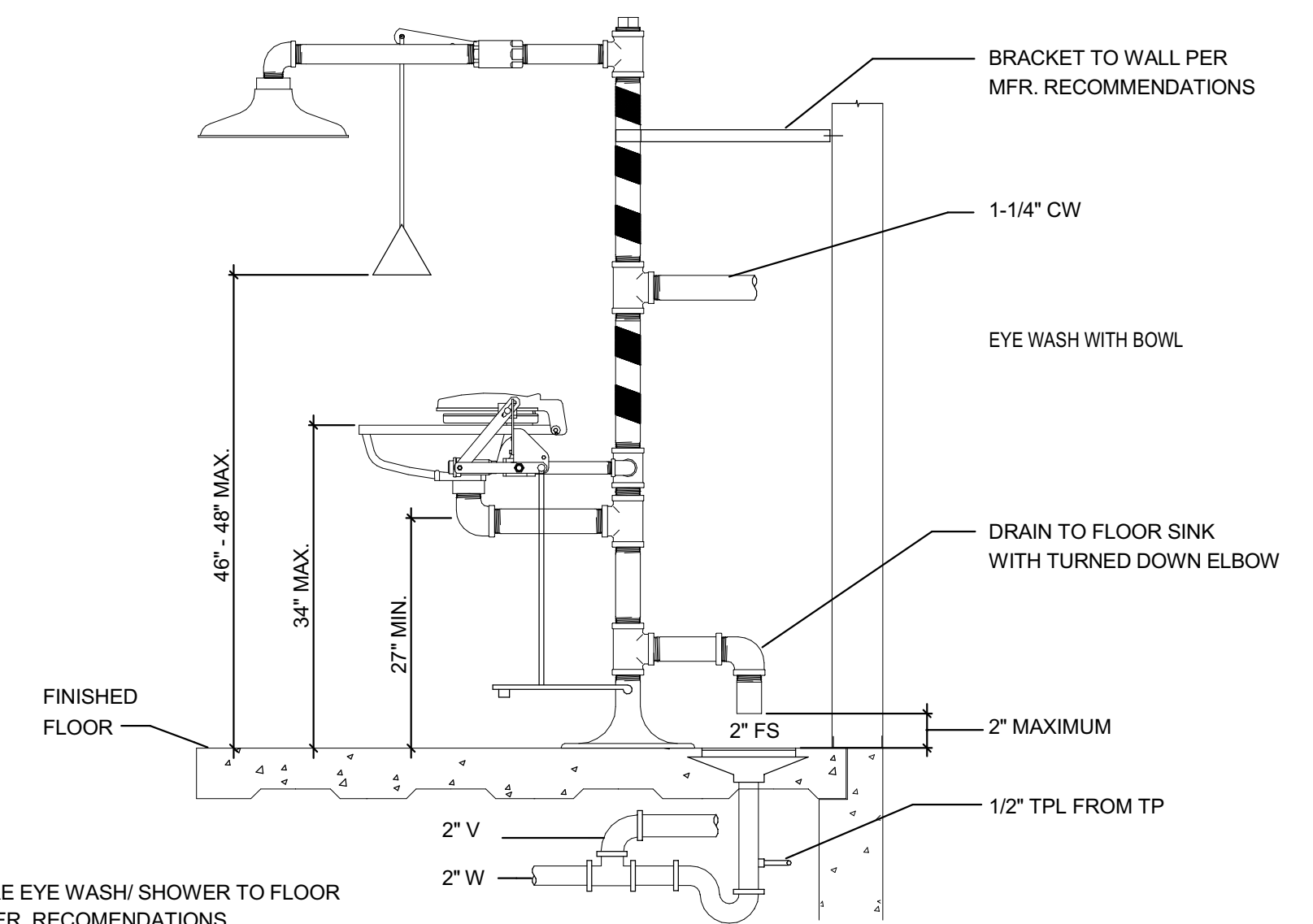
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	12" = 1'-0"
Project No.	16-6421.00

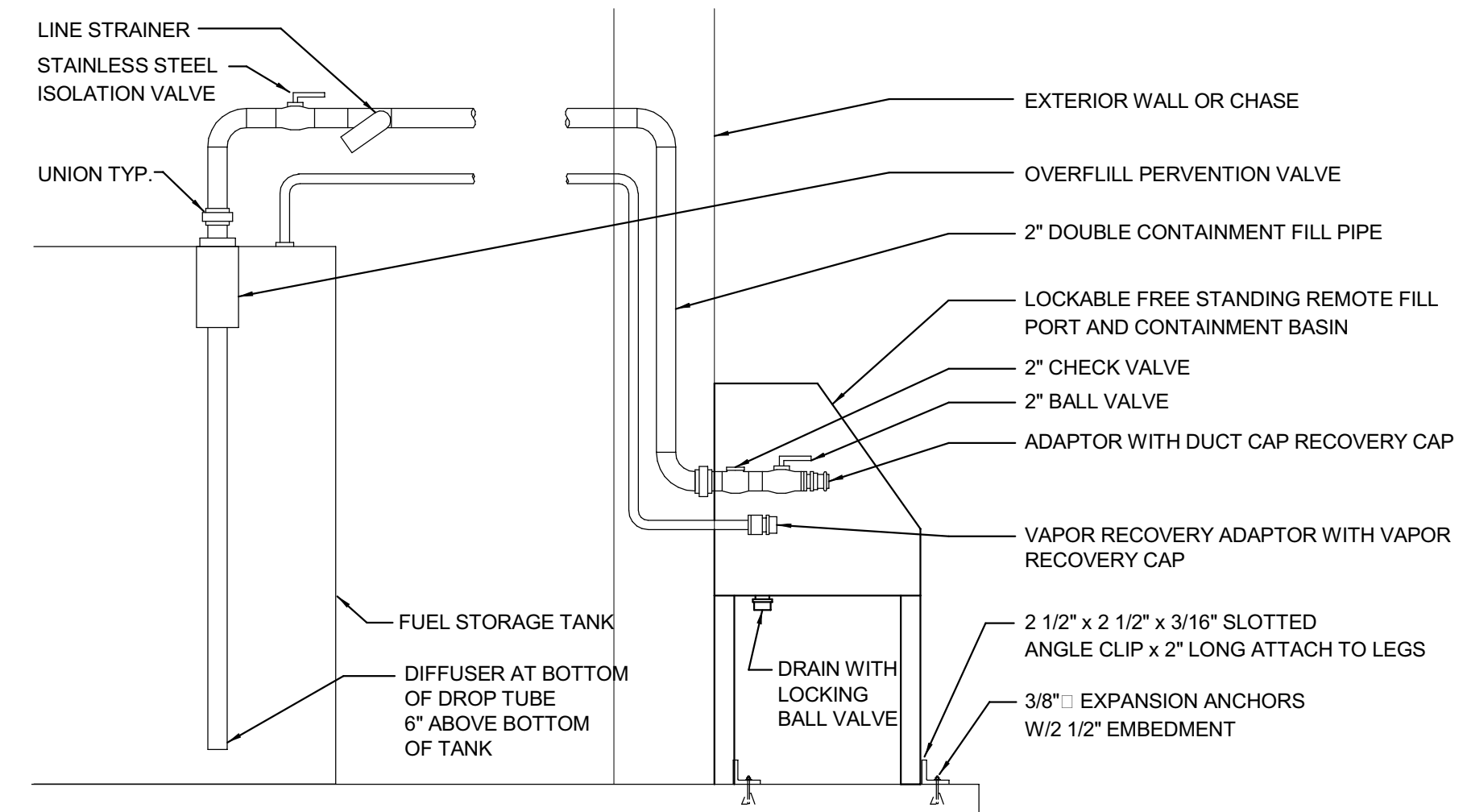
SHEET No.

**P500 V4**



NOTE:  
SECURE EYE WASH/SHOWER TO FLOOR  
PER MFR. RECOMMENDATIONS

**EMERGENCY EYE WASH & SHOWER** 1  
SCALE : NONE P501



**REMOTE FILL MOUNTING DETAIL** 2  
SCALE : NONE P501



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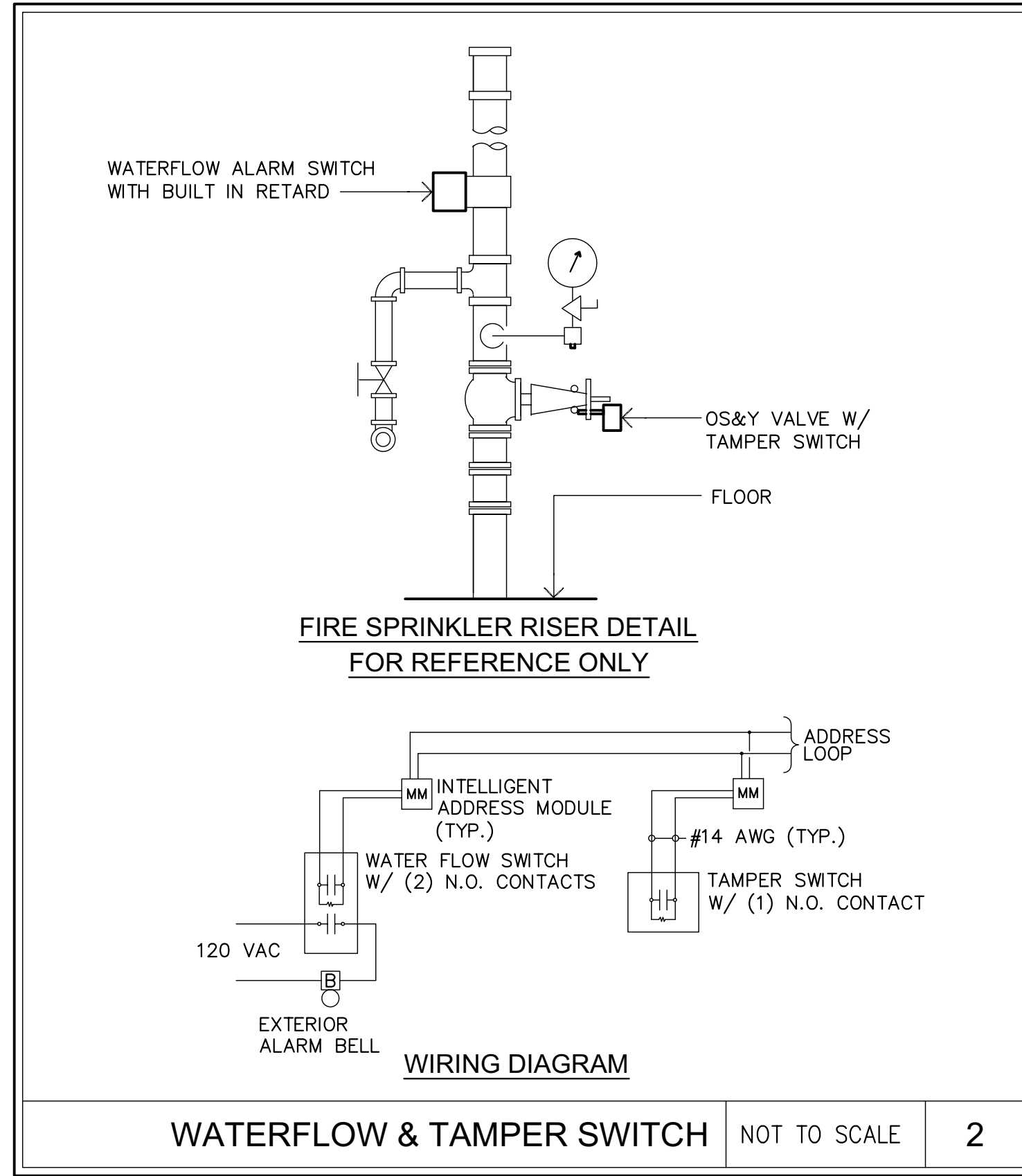
PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**PLUMBING DETAILS**  
DRAWING STATUS  
**WORKING DRAWINGS**

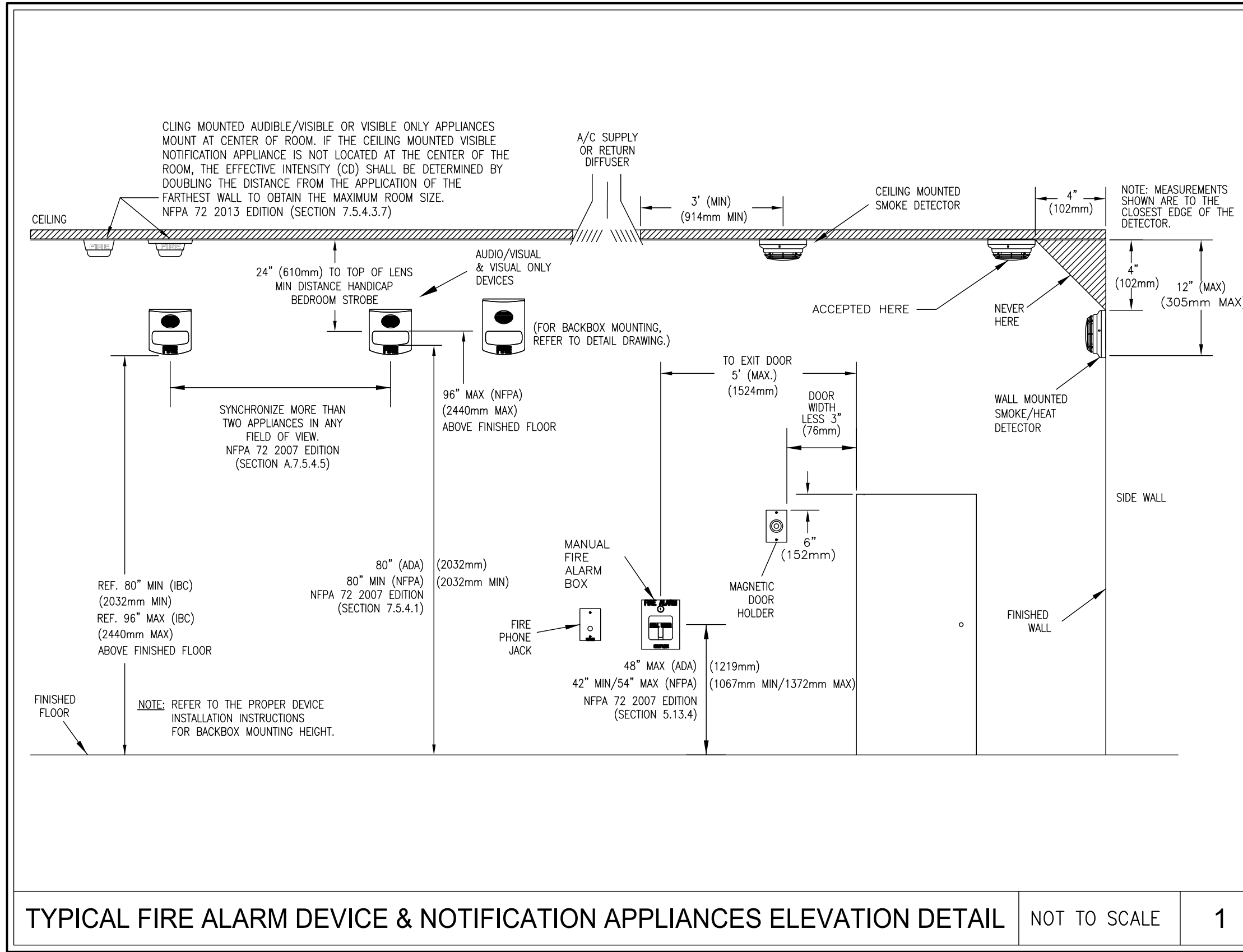
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Delta	Description	Date

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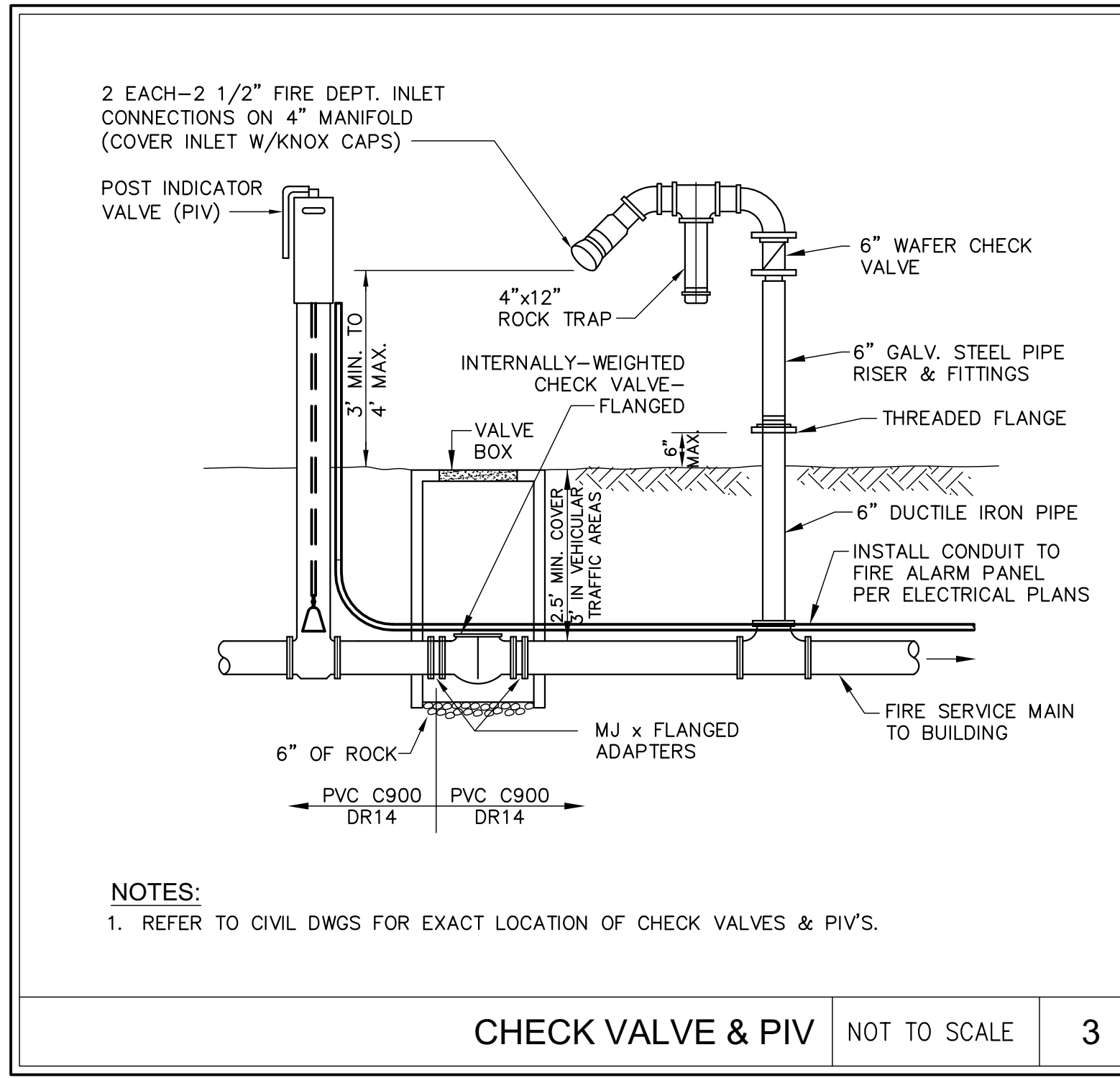
SHEET No.  
**P501 V4**



WATERFLOW & TAMPER SWITCH NOT TO SCALE 2



TYPICAL FIRE ALARM DEVICE & NOTIFICATION APPLIANCES ELEVATION DETAIL NOT TO SCALE 1



CHECK VALVE & PIV NOT TO SCALE 3

- ### FIRE ALARM GENERAL NOTES
- APPROVAL OF THE AUTOMATIC FIRE ALARM SYSTEM BY THE CALIFORNIA STATE FIRE MARSHAL IS DEFERRED. SHOP DRAWINGS FOR THIS SYSTEM MUST BE SUBMITTED TO THE CALIFORNIA STATE FIRE MARSHAL BY THE CONTRACTOR FOR APPROVAL PRIOR TO INSTALLATION.
  - THE FIRE ALARM SYSTEM SHALL CONFORM TO THE 2013 CBC/CFR 907.2.6.3, 907.6.3(5), 907.6.5(2), 2013 NFPA72 AND CEC ARTICLE 760.
  - UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM COMPONENTS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCIES AND THE INSPECTOR OF RECORD. PROVIDE NFPA COMPLETION DOCUMENTATION.
  - ALL SIGNALING DEVICES SHALL HAVE THE SAME BASIC SOUND THROUGHOUT THE ENTIRE SITE.
  - THIS IS A AUTOMATIC SYSTEM WITH AUTOMATIC INITIATION DEVICES INSTALLED (TO INCLUDE SMOKE & HEAT DETECTORS, DETECTORS FOR FROST DAMPER ACTIVATION, DUCT SMOKE DETECTORS FOR HVAC UNIT SHUTDOWN, SMOKE & HEAT DETECTORS).
  - FIRE ALARM SYSTEM INSTALLER SHALL PROVIDE ADDRESSES FOR ALL ADDRESSABLE DEVICES AND SCALED PLANS LOCATING ALL DEVICES AT BUILDING.
  - POWER SERVICE SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH A "RED" MARKING, IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL", AND ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL. THE LOCATION OF THE BRANCH CIRCUIT SHALL BE PERMANENTLY IDENTIFIED AT EACH FIRE ALARM CONTROL PANEL.
  - THE FIRE ALARM DEVICES, COMPONENTS AND EQUIPMENT SHOWN AND SPECIFIED THROUGHOUT THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS IS BASED ON EQUIPMENT SUPPLIED BY NOTIFIER WITH NO SUBSTITUTIONS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY LOCATING ALL FIRE ALARM DEVICES. AUTOMATIC FIRE DETECTORS SHALL BE LAID OUT AND MEET THE REQUIREMENTS OF NFPA 72.
  - NO WORK ON THE FIRE ALARMS SYSTEM SHALL BEGIN WITHOUT APPROVED PLANS AND SIGNED PERMITS.
  - INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE CALIFORNIA ELECTRICAL CODE, NFPA 70, 2016 EDITION WITH CALIFORNIA AMENDMENTS, STATE CODE(S), AND STATE FIRE MARSHAL REQUIREMENTS.
  - WIRING SHALL BE PER PLAN WITH RESPECT TO CONDUCTOR SIZE, TYPE, QUANTITY AND COLOR CODE. CONDUCTORS SHALL BE PERMANENTLY MARKED FOR FUTURE IDENTIFICATION.
  - CONDUIT KNOCKOUTS ARE PROVIDED ON ALL MANUFACTURERS PROVIDED BACK BOXES. DO NOT ENLARGE OR CHANGE LOCATION OF CONDUIT ENTRY WITHOUT PRIOR APPROVAL OF MANUFACTURER.
  - CONDUIT RUNS SHOWN DIAGRAMMATICALLY. EXACT LOCATION IS TO BE DETERMINED IN THE FIELD.
  - CONDUCTOR TERMINATIONS SHALL BE BRADY OR EQUALLY LABELED.
  - ALL FIRE ALARM CIRCUITS ARE CONTINUOUS FROM DEVICE TO DEVICE. NO SPLICES OR INTERMEDIATE CONNECTIONS SHALL BE MADE UNLESS IN AN APPROVED JUNCTION BOX ON APPROVED TERMINAL BLOCKS.
  - DETECTOR AND AUDIBLE/VISUAL CIRCUIT POLARITY SHALL BE OBSERVED.
  - AUDIBLE/VISUAL CIRCUIT WIRING IS SUPERVISED. NO PARALLEL BRANCHING IS PERMISSIBLE.
  - STANDARD CONTROL PANEL, TERMINAL BOXES ETC. MOUNTING IS 6"-0" FROM FINISHED FLOOR TO TOP OF DEVICE UNLESS OTHERWISE NOTED.
  - WHERE DETECTORS ARE INSTALLED FOR SIGNAL INITIATION DURING CONSTRUCTION, THEY SHALL BE CLEANED AND VERIFIED TO BE OPERATING IN ACCORDANCE WITH THE LISTED SENSITIVITY, OR THEY SHALL BE REPLACED PRIOR TO THE FINAL COMMISSIONING OF THE SYSTEM PER NFPA 72-17.7.1.11.1, AT AND ADDITIONAL COST TO THE OWNER.
  - WHERE DETECTORS ARE INSTALLED BUT NOT OPERATIONAL DURING CONSTRUCTION, THEY SHALL BE PROTECTED FROM CONSTRUCTION DEBRIS, DUST, DIRT, AND DAMAGE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND VERIFIED TO BE OPERATING IN ACCORDANCE WITH THE LISTED SENSITIVITY, OR THEY SHALL BE REPLACED PRIOR TO THE FINAL COMMISSIONING OF THE SYSTEM PER NFPA 72-17.7.1.11.2, AT NO ADDITIONAL COST TO THE OWNER.
  - WHERE DETECTION IS NOT REQUIRED DURING CONSTRUCTION, DETECTORS SHALL NOT BE INSTALLED UNTIL ALL OTHER CONSTRUCTION TRADES HAVE COMPLETED CLEANUP PER NFPA 72-17.7.1.11.3.
  - DETECTORS ARE NOT TO BE LOCATED WITHIN 3'-0" OF ANY AIR SUPPLY DIFFUSER, IN ACCORDANCE WITH NFPA 72-A.17.7.4.1, AND SHALL NOT BE PLACED WHERE RETURN AIR MOVEMENT SHALL EXCEED THE MANUFACTURERS RECOMMENDATION AS TO AFFECT THE OPERATION OF THE SMOKE DETECTOR.
  - PENETRATIONS OF RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL USE AN APPROVED THROUGH PENETRATION FIRE STOP SYSTEM TO MAINTAIN THE FIRE RESISTANCE RATING OF THE ASSEMBLY PENETRATED CBC 714.
  - CONNECT FIRE ALARM PANELS TO AN EMERGENCY CIRCUITS.
  - ALL MANUAL FIRE ALARM BOXES SHALL BE INSTALLED SUCH THAT THE OPERABLE PART OF EACH FIRE ALARM BOX SHALL BE NOT LESS THAN 42 IN. (1.1 m) AND NOT MORE THAN 48 IN. (1.37 m) ABOVE FLOOR LEVEL. NFPA 72-17.14.5.
  - ALL AUDIBLE/VISUAL DEVICES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 90" AND NOT GREATER THAN 96" A.L.F. AS TO CONFORM TO NFPA 72-18.5.5.1 (SEE NFPA 72-18.4.3.1 FOR AUDIBLES ONLY).
  - ALL 24 VDC WIRE TO BE INSTALLED IN DEDICATED CONDUIT SEPARATE FROM 120 VAC WIRING.
  - REVIEW SEQUENCE OF SYSTEM OPERATION ON FIRE ALARM OPERATION.
  - INSTALLING CONTRACTOR SHALL RETURN ONE SET OF ACCURATELY MARKED DRAWINGS FOR "AS BUILT" PURPOSES.
  - THE SECONDARY POWER SUPPLY SHALL CONSIST OF STORAGE BATTERIES THAT SHALL HAVE SUFFICIENT CAPACITY TO OPERATE THE SYSTEM UNDER QUIESCENT LOAD (NON-ALARM CONDITION) FOR A MINIMUM OF 24 HOURS AND AT THE END OF THAT PERIOD SHALL BE CAPABLE OF OPERATING ALL ALARM NOTIFICATION APPLIANCE FOR 5 MINUTES PER NFPA 72-10.6.7.2.1.
  - THESE FIRE ALARM DRAWINGS, EF-200 THRU EF-213, INCLUSIVE ARE INTENDED TO ASSIST THE CONTRACTOR IN DEVELOPING FIRE ALARM DESIGN AND SHOP DRAWINGS FOR SUBMITTAL TO THE CALIFORNIA STATE FIRE MARSHAL. THESE FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT CONTAIN ALL COMPONENTS AND WIRING REQUIRED FOR A COMPLETE FIRE ALARM SYSTEM. THE CONTRACTOR SHALL COORDINATE THE FIRE ALARM SYSTEM DESIGN WITH ALL OTHER TRADES TO DEVELOPE A COMPLETE FIRE ALARM SYSTEM DESIGN FOR SUBMITTAL TO THE CALIFORNIA STATE FIRE MARSHAL AND OBTAIN APPROVAL PRIOR TO PROCEEDING WITH EQUIPMENT PROCUREMENT AND INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INTERCONNECTIVITY WITH OTHER SYSTEMS SUCH AS RADIO, ETC. AND INCLUDE THE REQUIRED INTERCONNECTIVITY INTO THE FIRE ALARM SYSTEM DESIGN.

### FIRE ALARM CABLE SCHEDULE

TYPE	DESCRIPTION	USE	MANUFACTURER CATALOG NO.	CSFM #
A	1 TWISTED 16/2 SOLID BARE COPPER CONDUCTORS, UNSHIELDED WITH AN OVERALL JACKET	FIRE ALARM INITIATING CIRCUIT (SLC LOOP)	WEST PENN # D990	7161-0859:0101
B	1 TWISTED 12/2 SOLID BARE COPPER CONDUCTORS, UNSHIELDED WITH AN OVERALL JACKET	FIRE ALARM NOTIFICATION CIRCUIT, INTERIOR	WEST PENN # 60995B	7161-0859:0101
C	1 TWISTED SHIELDED 18/2 SOLID BARE COPPER CONDUCTORS WITH AN OVERALL JACKET	FIRE ALARM REMOTE ANNUNCIATOR DATA, INTERIOR	WEST PENN # D975	7161-0859:0101
D	1 TWISTED UNSHIELDED 14/2 SOLID BARE COPPER CONDUCTORS WITH AN OVERALL JACKET	FIRE ALARM REMOTE ANNUNCIATOR POWER	WEST PENN # D994	7161-0859:0101
E	1 TWISTED UNSHIELDED 18/4 SOLID BARE COPPER CONDUCTORS WITH AN OVERALL JACKET	FIRE ALARM REMOTE TEST SWITCH	WEST PENN # D982	7161-0859:0101
F	2 FIBER MULTI-MODE FIBER OPTIC CABLE 62.5/125 MICRON WITH ST-TYPE CONNECTOR	FIRE ALARM NETWORK	WEST PENN #M98150	7161-0859:0101

### FIRE ALARM SYMBOL LEGEND AND EQUIPMENT SCHEDULE

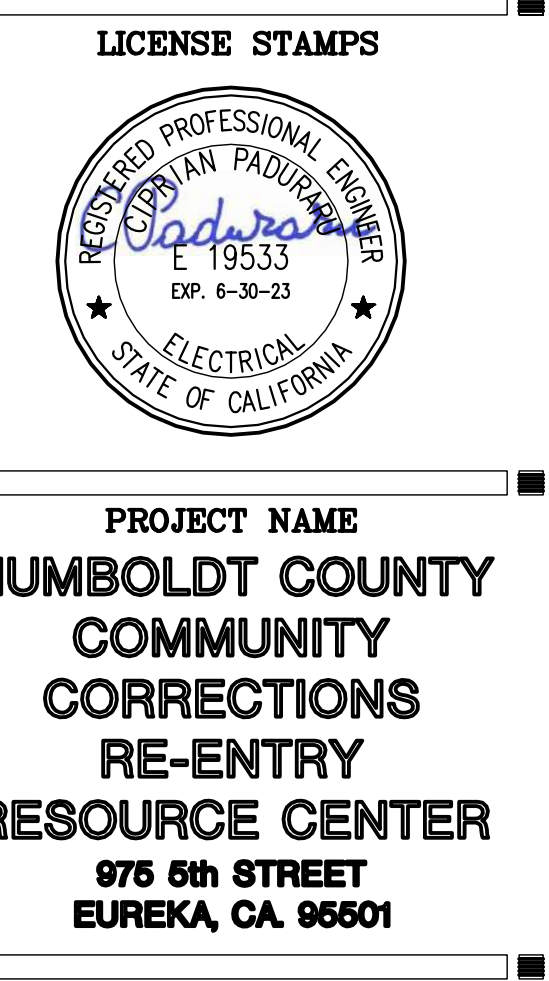
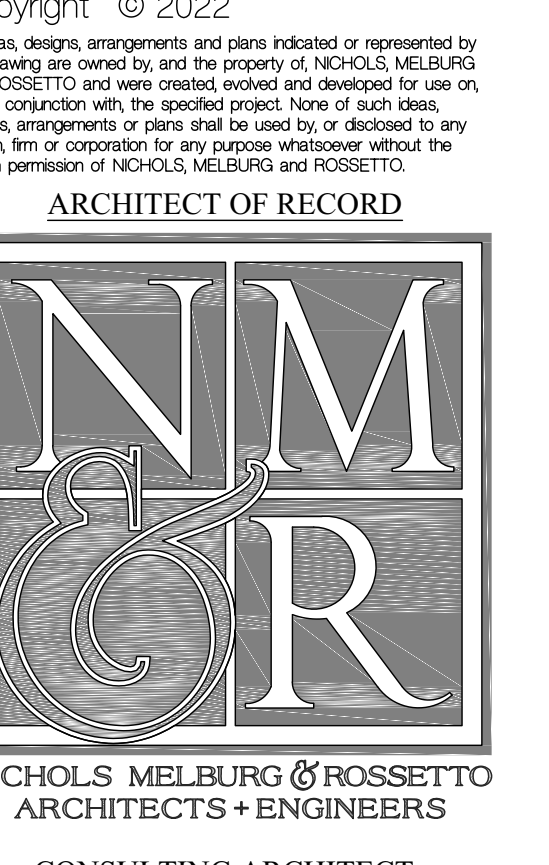
SYM	DESCRIPTION
[Symbol]	FIRE ALARM CONTROL PANEL "FACP". ADDRESSABLE SYSTEM. PROVIDE WITH ONE (1) SLC-2 MODULE FOR ADDITIONAL DEVICES. UDACT FOR EVENT REPORTING CONNECTED TO TWO (2) DEDICATED TELEPHONE LINES, AND TWO (2) 12 VDC 18.0 AH BATTERIES. PROVIDE ALL COMPONENTS IN SURFACE WALL MOUNTED ENCLOSURE. NOTIFIER
[Symbol]	FIRE ALARM REMOTE POWER SUPPLY
[Symbol]	FIRE ALARM REMOTE ANNUNCIATOR. 160 CHARACTER LED DISPLAY FOR POINT STATUS. SURFACE OR RECESSED MOUNT PER PLAN +60" AFF.
[Symbol]	PHOTOELECTRIC SMOKE DETECTOR. ADDRESSABLE. CEILING MOUNTED WITH BASE INCLUDED. NOTIFIER
[Symbol]	PHOTOELECTRIC SMOKE DETECTOR. ADDRESSABLE. CEILING MOUNTED WITH GUARD AND BASE INCLUDED. STR#601 WIRE GUARD CSFM # 7300-0559:0100 NOTIFIER
[Symbol]	HEAT DETECTOR, FIXED TEMPERATURE 135° WITH RATE-OF-RISE, CEILING SURFACE MOUNTED. PROVIDE WITH RELAY BASE. NOTIFIER
[Symbol]	MANUAL FIRE ALARM BOX. DUAL-ACTION. PROVIDE WITH MONITOR MODULE "AIM" FOR ADDRESS NOTIFIER
[Symbol]	WATER FLOW SWITCH. N.I.E.S. PROVIDE WITH "AIM" MODULE. CONNECT AS REQUIRED. FIELD VERIFY DEVICE TYPE AND CONNECTION REQUIREMENTS
[Symbol]	VALVE TAMPER SWITCH. N.I.E.S. PROVIDE WITH "AIM" MODULE. CONNECT AS REQUIRED. FIELD VERIFY DEVICE TYPE AND CONNECTION REQUIREMENTS
[Symbol]	POST INDICATOR SWITCH. N.I.E.S. PROVIDE WITH "AIM". CONNECT AS REQUIRED
[Symbol]	ADDRESSABLE MONITOR MODULE. FLUSH WALL MOUNT OR AT SURFACE ABOVE ACCESSIBLE CEILING ADJACENT TO CONNECTIONS. NOTIFIER
[Symbol]	FIRE ALARM RELAY MODULE. FLUSH WALL MOUNT OR AT SURFACE ABOVE ACCESSIBLE CEILING ADJACENT TO CONNECTIONS. NOTIFIER
[Symbol]	DUCT SMOKE DETECTOR WITH RELAY. COORDINATE EXACT LOCATION OF DEVICE & LENGTH OF SAMPLING TUBE REQUIRED WITH EXISTING MECHANICAL UNIT. DETECTOR RELAY SHALL ACTIVATE FIRE DAMPER. PROVIDE RELAY AND SAMPLING TUBE WITH SMOKE DETECTOR . NOTIFIER
[Symbol]	FIRE SMOKE DAMPER WITH DUCT SMOKE, N.I.E.S. PROVIDE 120V POWER. CONNECT DUCT SMOKE DETECTOR FOR ACTIVATION CIRCUIT PER PLANS. CONNECT DAMPER ACTIVATION CIRCUIT FROM "AIM" DEVICE TO DAMPER CONTROL RELAY. COORDINATE EXACT LOCATIONS AND ALL REQUIREMENTS WITH EXISTING CONDITIONS. CONFIRM EXACT NUMBER ON ALL PLANS.
[Symbol]	FIRE ALARM HORN. WALL MOUNTED. GENTEX # G624-R CSFM # 7135-0569:0122
[Symbol]	AUDIO/VISUAL HORN/STROBE FIRE ALARM. WALL MOUNTED. CANDELLA PER PLAN. GENTEX # GEC3-24WR CSFM # 7135-0569:0122
[Symbol]	VISUAL STROBE FIRE ALARM. WALL MOUNTED. CANDELLA PER PLAN. GENTEX # GES3-24WR CSFM # 7125-0569:0123
[Symbol]	FIRE ALARM CABLE. PROVIDE IN 3/4", UNO. SEE FIRE ALARM CABLE SCHEDULE.
[Symbol]	END OF LINE RESISTOR
[Symbol]	CONTROL MODULE
[Symbol]	MONITOR MODULE

NOTES:  
 1. FIRE ALARM SYSTEM EQUIPMENT AND DEVICES SHOWN ARE BASED ON EQUIPMENT MANUFACTURED BY NOTIFIER.  
 2. FOR MOUNTING HEIGHTS OF MANUAL PULL STATIONS, HORNS, HORN/STROBES AND STROBES SEE DETAIL 1/EF-001.  
 3. PROVIDE VANDAL PROOF SECURITY COVERS FOR ALL SMOKE DETECTORS INSTALLED IN IMMEDIATELY ADJACENT TO SMOKE DETECTOR SYMBOL.

### FIRE ALARM SYSTEM OPERATIONAL MATRIX

CAUSE	EFFECT					REMARKS
	ALARM AT FACP	ALARM AT ANNUNCIATORS	ALARM AT CENTRAL CONTROL	ACTIVE AUDIBLE VISUALS	TROUBLE AT FACP	
SMOKE DETECTORS	•	•	•	•	•	
HEAT DETECTOR	•	•	•	•	•	
MANUAL FIRE ALARM BOX	•	•	•	•	•	
WATERFLOW SWITCH - BUILDING	•	•	•	•	•	
TAMPER SWITCH					•	
DUCT DETECTOR					•	
SYSTEM RESET					•	
AC POWER FAILURE					•	
FIRE ALARM WIRING:					•	
SIGNALING LINE CIRCUIT (SLC) CLASS A					•	
SINGLE OPEN	•	•	•	•	•	
SINGLE GROUND	•	•	•	•	•	
WIRE-TO-WIRE SHORT	•	•	•	•	•	
INITIATING DEVICE CIRCUIT (IDC) - CLASS A/STYLE Z:					•	
SINGLE OPEN	•	•	•	•	•	
SINGLE GROUND	•	•	•	•	•	
WIRE-TO-WIRE SHORT	•	•	•	•	•	
NOTIFICATION APPLIANCE CIRCUIT (NAC) - CLASS B/ STYLE Y:					•	
SINGLE OPEN	•	•	•	•	•	
SINGLE GROUND	•	•	•	•	•	
WIRE-TO-WIRE SHORT	•	•	•	•	•	

LOG: Name: [unreadable]  
 PWD: [unreadable]  
 File Name: [unreadable]  
 Date: [unreadable]  
 Path: [unreadable]



PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 676 6th STREET  
 EUREKA, CA 95601

SHEET TITLE  
**FIRE ALARM SYMBOL  
 LEGEND, NOTES AND  
 DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Sym.	Description	Date

<b>Drawn By</b>	<b>BS</b>
<b>Date issued</b>	<b>09.19.2022</b>
<b>Scale</b>	<b>AS NOTED</b>
<b>Project No.</b>	<b>16-6421.00</b>
<b>SHEET No.</b>	
<b>EF-001 V4</b>	

### DEFERRED SUBMITTAL NOTES

AUTOMATIC FIRE SPRINKLER SYSTEM AND FIRE ALARM SYSTEM ARE DEFERRED-APPROVAL ITEMS. SHEETS IN THIS SET SHOWN FOR FIRE ALARM ARE NOT FOR INSTALLATION AND ARE FOR REFERENCE ONLY. THESE SHEETS ARE NOT APPROVED FOR THE INSTALLATION OF ANY FIRE ALARM SYSTEM. A SEPARATE SUBMITTAL TO THE CSFM IS REQUIRED BY THE INSTALLING C-10 LICENSED FIRE ALARM CONTRACTOR PRIOR TO ANY INSTALLATION OR MODIFICATION OF ANY FIRE ALARM SYSTEM.

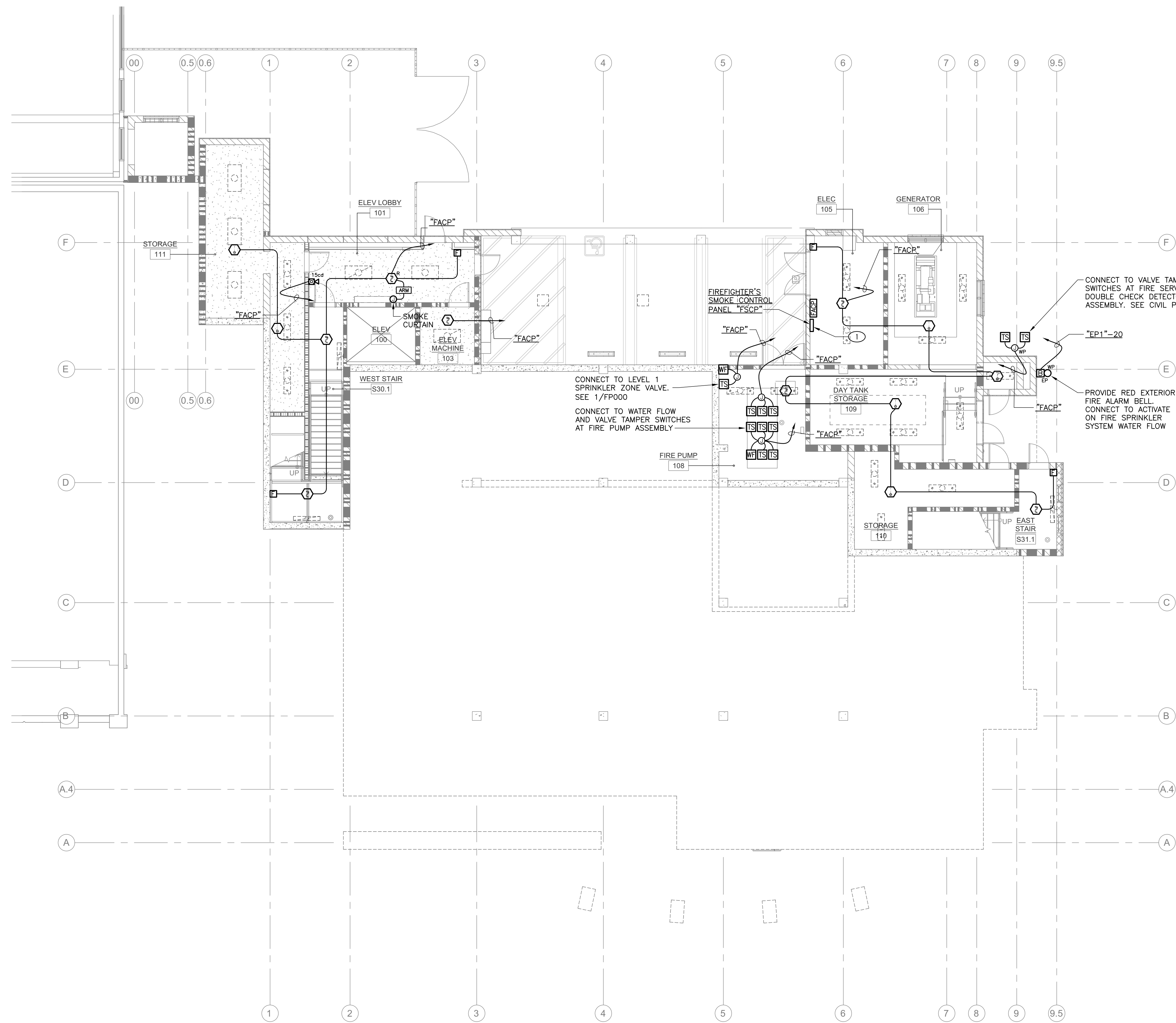
DEFERRED SUBMITTALS FOR THE PERMIT SHALL BE SUBMITTED BY GENERAL CONTRACTOR FOR FIRE SPRINKLER AND FIRE ALARM SYSTEMS INCLUDING ANNUAL MECHANICAL, ELECTRICAL, AND PLUMBING MODIFICATIONS TO ACCOMMODATE THE FIRE SPRINKLER AND FIRE ALARM SYSTEMS.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING LICENSED PROFESSIONALS AS REQUIRED TO DESIGN AND CONSTRUCT THE SYSTEMS INCLUDING PROVIDING SERVICES FOR THE PREPARATION OF DRAWINGS NECESSARY TO OBTAIN A REVIEW AND PERMIT APPROVAL FROM THE OFFICE OF THE STATE FIRE MARSHAL HAVING JURISDICTION OVER THE PROJECT.

DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGNATED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE OFFICE OF THE STATE FIRE MARSHAL.

THE DEFERRED SUBMITTAL SHALL INCLUDE COMPREHENSIVE ENGINEERING ANALYSIS BY A CALIFORNIA LICENSED PROFESSIONAL FIRE PROTECTION ENGINEER, USING PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA INDICATED ON THESE DRAWINGS AND THE CONTENTS OF SECTION 21.10.10 & SECTION 28.31.00 INCLUDING RELATED AND/OR REFERENCED REQUIREMENTS IDENTIFIED THEREIN. SUBMITTAL SHALL INCLUDE COMPLETE CALCULATIONS FOR HYDRAULIC, BATTERY VOLTAGE DROP, ETC. AND CUTSHEETS FOR MATERIALS AND PRODUCTS USED IN THE SYSTEM(S).

SCHEMATIC FOR REFERENCE ONLY



**1 FIRE ALARM PLAN - LEVEL 1**  
SCALE 1/8" = 1'-0"

**WALL LEGEND**

	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED 12" INSULATED CMU NON-BEARING WALL
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
	NON-RATED CONCRETE SITE RETAINING WALL
	3 HOUR 8" METAL STUD BEARING WALL UNPROTECTED OPENINGS
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED METAL STUD WALL
	LINE OF WALL BELOW GRADE

**KEY NOTES**

- 1 CONTRACTOR SHALL PROVIDE AN ENGINEERED SMOKE CONTROL SYSTEM, PER CBC 2019 SEC. 408.9 AN ENGINEERED SMOKE CONTROL SYSTEM SHALL PROVIDE A TENABLE ENVIRONMENT FOR EXITING FROM THE SMOKE COMPARTMENT IN THE AREA OF FIRE ORIGIN. PROVIDE SMOKE CONTROL SYSTEM SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS LISTED ON NFPA 92 SEC.6.4.
- THE INSTALLING FIRE ALARM CONTRACTOR SHALL PROGRAM DETECTORS IN EACH SMOKE COMPARTMENT OR ZONE TO ACTIVATE THE SMOKE PURGING WINDOWS IN THAT ZONE AS INDICATED ON SHEET EF-113 AND EF-114.
- A FIREFIGHTER'S SMOKE CONTROL PANEL SHALL BE LOCATED NEXT TO MAIN FIRE ALARM PANEL AND SHALL PROVIDE FIRE-FIGHTING PERSONNEL THE ABILITY TO OVERRIDE THE SMOKE PURGING WINDOWS OF EACH SMOKE COMPARTMENT OR ZONE.

**DEFERRED SUBMITTAL NOTES**

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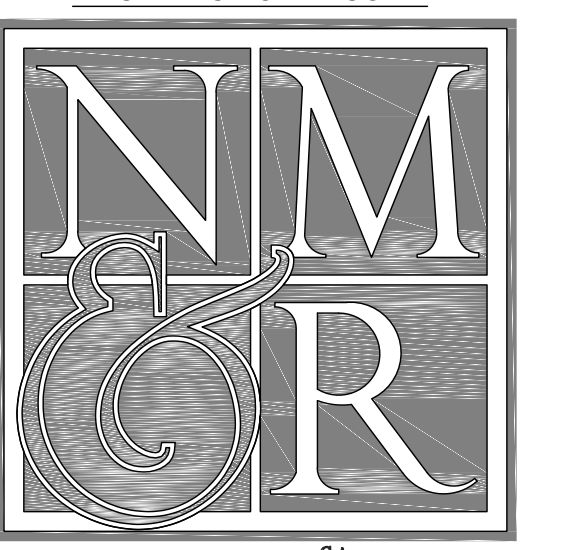
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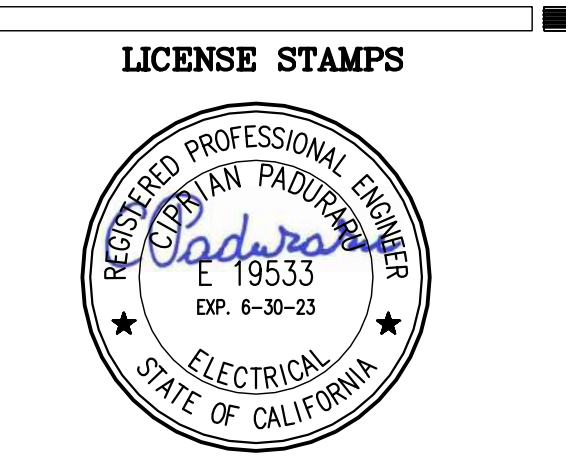
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**LIONAKIS**  
CONSULTANTS



**PROJECT NAME**  
HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER  
876 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**  
FIRE ALARM PLAN  
- LEVEL 1

**DRAWING STATUS**  
WORKING DRAWINGS

**REVISIONS**

Sym.	Description	Date

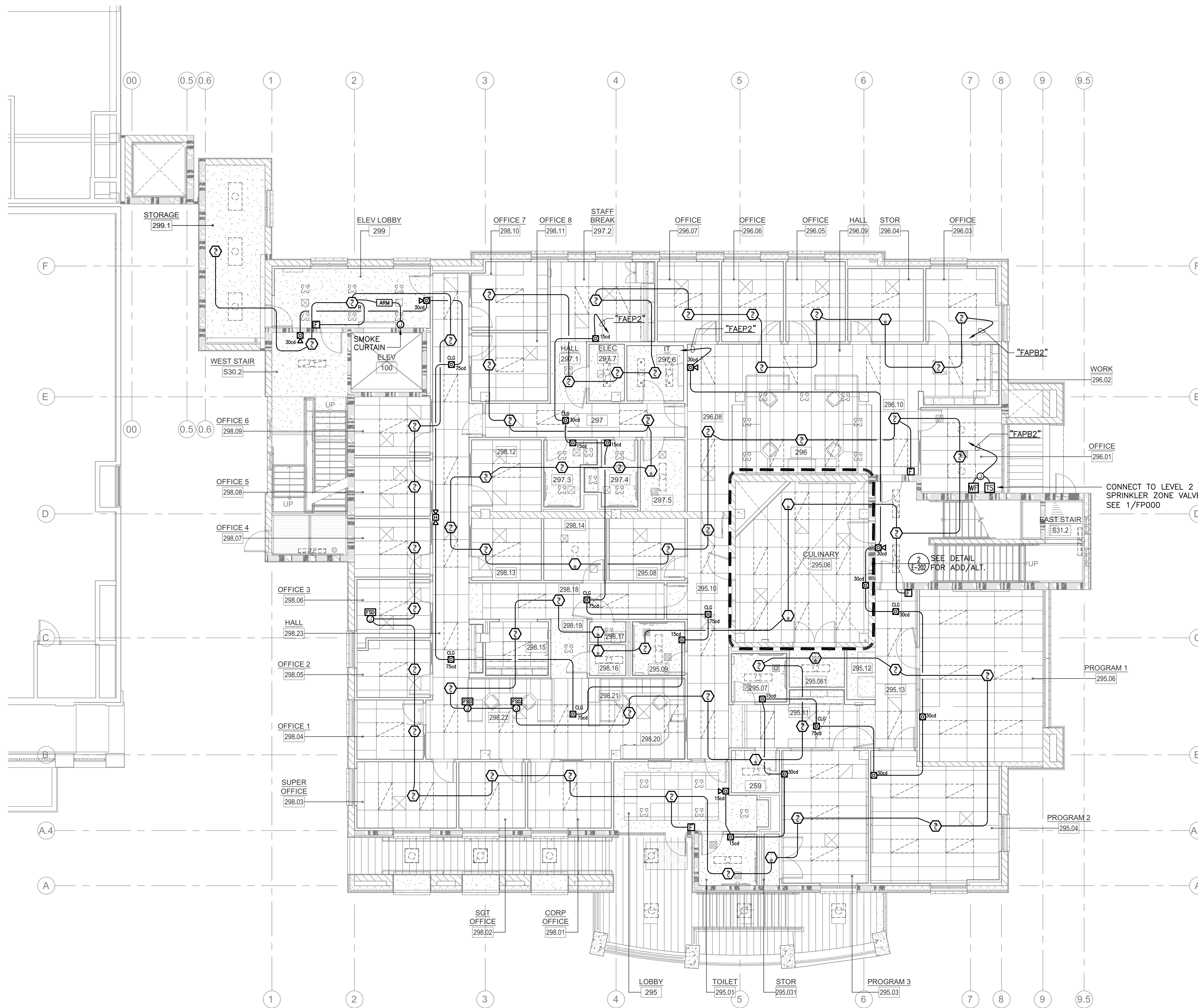
**Drawn By** BS  
**Date issued** 09.19.2022  
**Scale** 1/8" = 1'-0"  
**Project No.** 16-6421.00

**SHEET No.**  
EF-111 V4

SCHEMATIC FOR REFERENCE ONLY

LIONAKIS, Name: Jordan, Date: September 20, 2022, 8:52 am  
 File Name: P:\Projects\1600077 LP\Projects\17-2024 Humboldt County Reentry Facility\03040401-Sheets\172024\_EF-111.dwg  
 Plot Date: 9/19/2022 11:17:20 AM, Plot Path: C:\Users\Jordan\OneDrive\Documents\172024\_EF-111.dwg





**1** FIRE ALARM PLAN - LEVEL 2  
SCALE 1/8" = 1'-0"

### WALL LEGEND

	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED 12" INSULATED CMU NON-BEARING WALL
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
	NON-RATED CONCRETE SITE RETAINING WALL
	3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED METAL STUD WALL
	LINE OF WALL BELOW GRADE

**DEFERRED SUBMITTAL NOTES**

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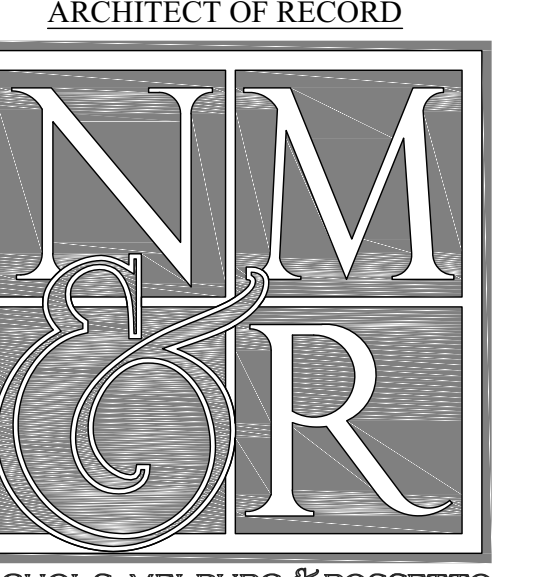
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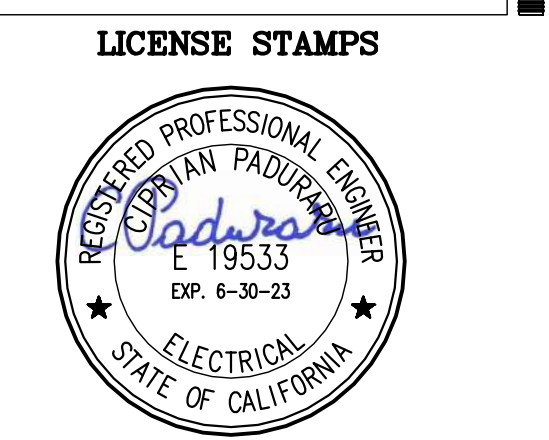
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Job #: 17-2264



**PROJECT NAME**  
HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER  
876 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**  
FIRE ALARM PLAN  
- LEVEL 2

**DRAWING STATUS**  
WORKING DRAWINGS

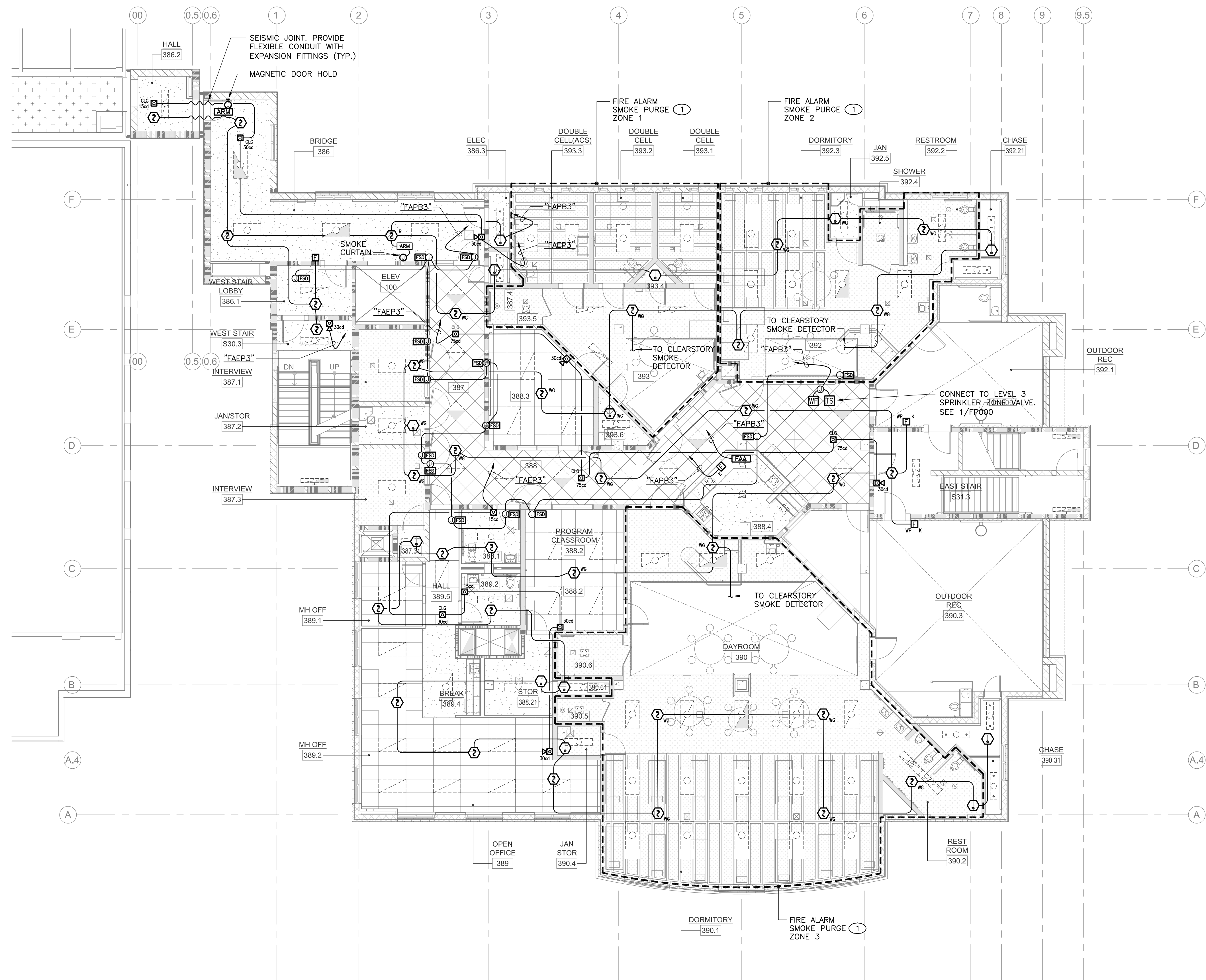
**REVISIONS**

Sym.	Description	Date

**Drawn By** BS  
**Date issued** 09.19.2022  
**Scale** 1/8" = 1'-0"  
**Project No.** 16-6421.00

**SHEET No.**  
EF-112 V4

SCHEMATIC FOR REFERENCE ONLY



1 FIRE ALARM PLAN - LEVEL 3  
SCALE 1/8" = 1'-0"

### WALL LEGEND

	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED 12" INSULATED CMU NON-BEARING WALL
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
	NON-RATED CONCRETE SITE RETAINING WALL
	3 HOUR 8" METAL STUD BEARING WALL UNPROTECTED OPENINGS
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED METAL STUD WALL
	LINE OF WALL BELOW GRADE

### KEY NOTES

1 INITIATING DEVICES IN EACH FIRE ALARM PURGE ZONE SHALL BE ZONED AND PROGRAMMED TO OPERATE EACH SMOKE PURGING SYSTEM.

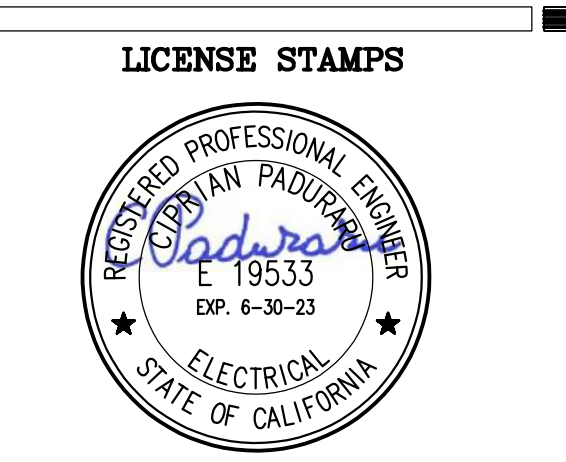
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**LIONAKIS**  
CONSULTANTS



**PROJECT NAME**  
HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER  
876 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**  
FIRE ALARM PLAN  
- LEVEL 3

**DRAWING STATUS**  
WORKING DRAWINGS

REVISIONS	
Sym.	Description

Drawn By	BS
Date issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

**SHEET No.**  
**EF-113 V4**

### DEFERRED SUBMITTAL NOTES

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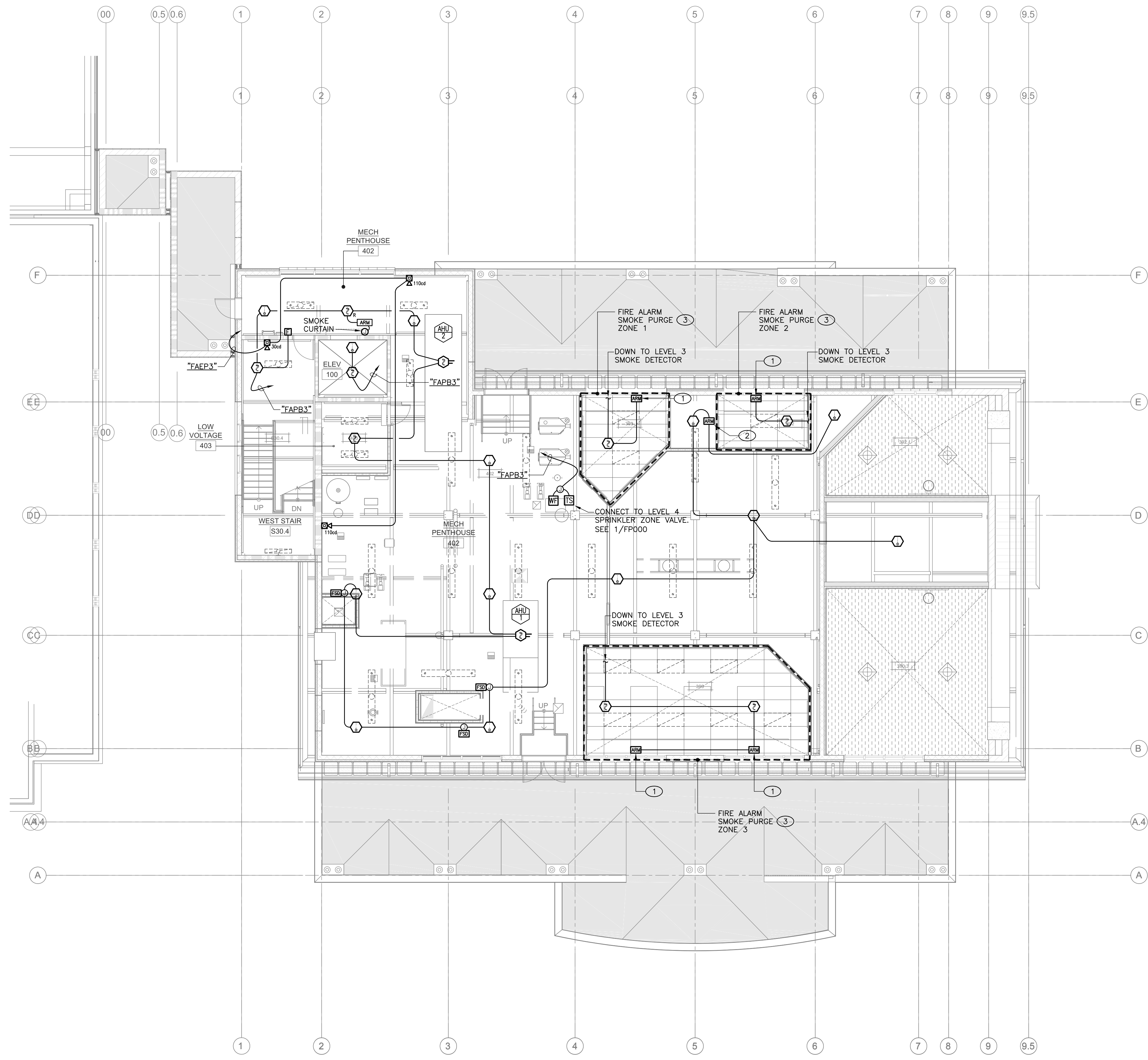
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THE DEFERRED SUBMITTAL SHALL INCLUDE COMPREHENSIVE ENGINEERING ANALYSIS BY A CALIFORNIA LICENSED PROFESSIONAL FIRE PROTECTION ENGINEER, USING PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA INDICATED ON THESE DRAWINGS AND THE CONTENTS OF SECTION 21.10.00 & SECTION 29.31.00 INCLUDING RELATED AND/OR REFERENCED REQUIREMENTS IDENTIFIED THEREIN. SUBMITTAL SHALL INCLUDE COMPLETE CALCULATIONS FOR HYDRAULIC, BATTERY, VOLTAGE DROP, ETC., AND CUTSHEETS FOR MATERIALS AND PRODUCTS USED IN THE SYSTEM(S).

L009 - Name: l020839  
 PWD Date: October 05, 2022 7:57 am  
 File Name: P:\1\Project - HUMBOLDT LP - Projects\17-2254 - Humboldt County - Heavy Facility\Bids\Bids\Sheets\172254\_EF-113.dwg  
 User: JPS - 17-2254 - JPS  
 Plot Date: 10/05/2022 11:02:00 AM  
 Plot Device: HP DesignJet T1100e

SCHEMATIC FOR REFERENCE ONLY



**1 FIRE ALARM PLAN - ROOF**  
SCALE 1/8" = 1'-0"

### WALL LEGEND

	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED 12" INSULATED CMU NON-BEARING WALL
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
	NON-RATED CONCRETE SITE RETAINING WALL
	3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED METAL STUD WALL
	LINE OF WALL BELOW GRADE

- ### KEY NOTES
- 1 FIRE ALARM CONNECTION TO MONITOR AND CONTROL OPERABLE WINDOWS. COORDINATE EXACT LOCATIONS, QUANTITY AND REQUIREMENTS WITH WINDOW INSTALLER, SECURITY AND ARCHITECT.
  - 2 FIRE ALARM CONNECTION TO MOTORIZED CONTROL DAMPER. DAMPER SHALL CLOSE UPON FIRE ALARM ACTIVATION. COORDINATE ALL REQUIREMENTS WITH MECHANICAL.
  - 3 INITIATING DEVICES IN EACH FIRE ALARM PURGE ZONE SHALL BE ZONED AND PROGRAMMED TO OPERATE EACH SMOKE PURGING SYSTEM.

### DEFERRED SUBMITTAL NOTES

AUTOMATIC FIRE SPRINKLER SYSTEM AND FIRE ALARM SYSTEM ARE DEFERRED-APPROVAL ITEMS. SHEETS IN THIS SET SHOWN FOR FIRE ALARM ARE NOT FOR INSTALLATION AND ARE FOR REFERENCE ONLY. THESE SHEETS ARE NOT APPROVED FOR THE INSTALLATION OF ANY FIRE ALARM SYSTEM. A SEPARATE SUBMITTAL TO THE CDM IS REQUIRED BY THE INSTALLING C-10 LICENSED FIRE ALARM CONTRACTOR PRIOR TO ANY INSTALLATION OR MODIFICATION OF ANY FIRE ALARM SYSTEM.

DEFERRED SUBMITTALS FOR THE PERMIT SHALL BE SUBMITTED BY GENERAL CONTRACTOR FOR FIRE SPRINKLER AND FIRE ALARM SYSTEMS INCLUDING ANU MECHANICAL, ELECTRICAL, AND PLUMBING MODIFICATIONS TO ACCOMMODATE THE FIRE SPRINKLER AND FIRE ALARM SYSTEMS.

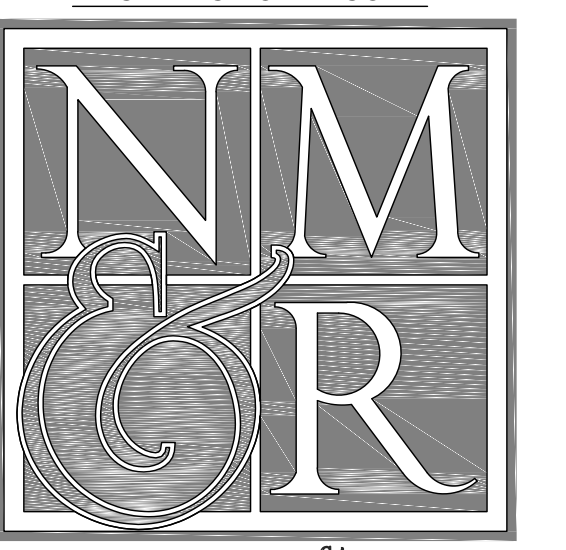
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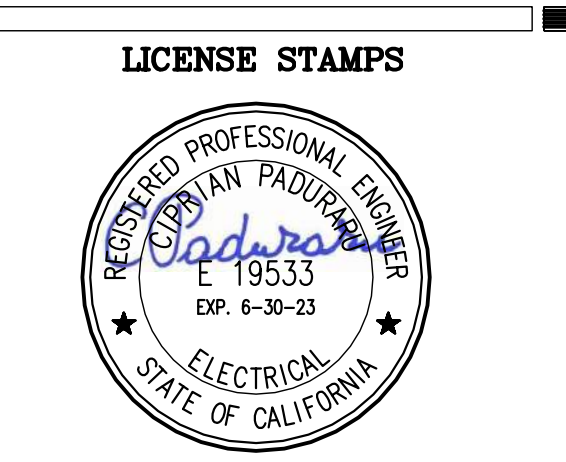


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CONSULTING ENGINEERS  
1209 Pleasant Grove Blvd.  
Roseville, CA 95678  
p 916-771-0778  
www.lpsengineers.com  
Job #: 17-2264



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
876 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**FIRE ALARM PLAN  
- ROOF**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

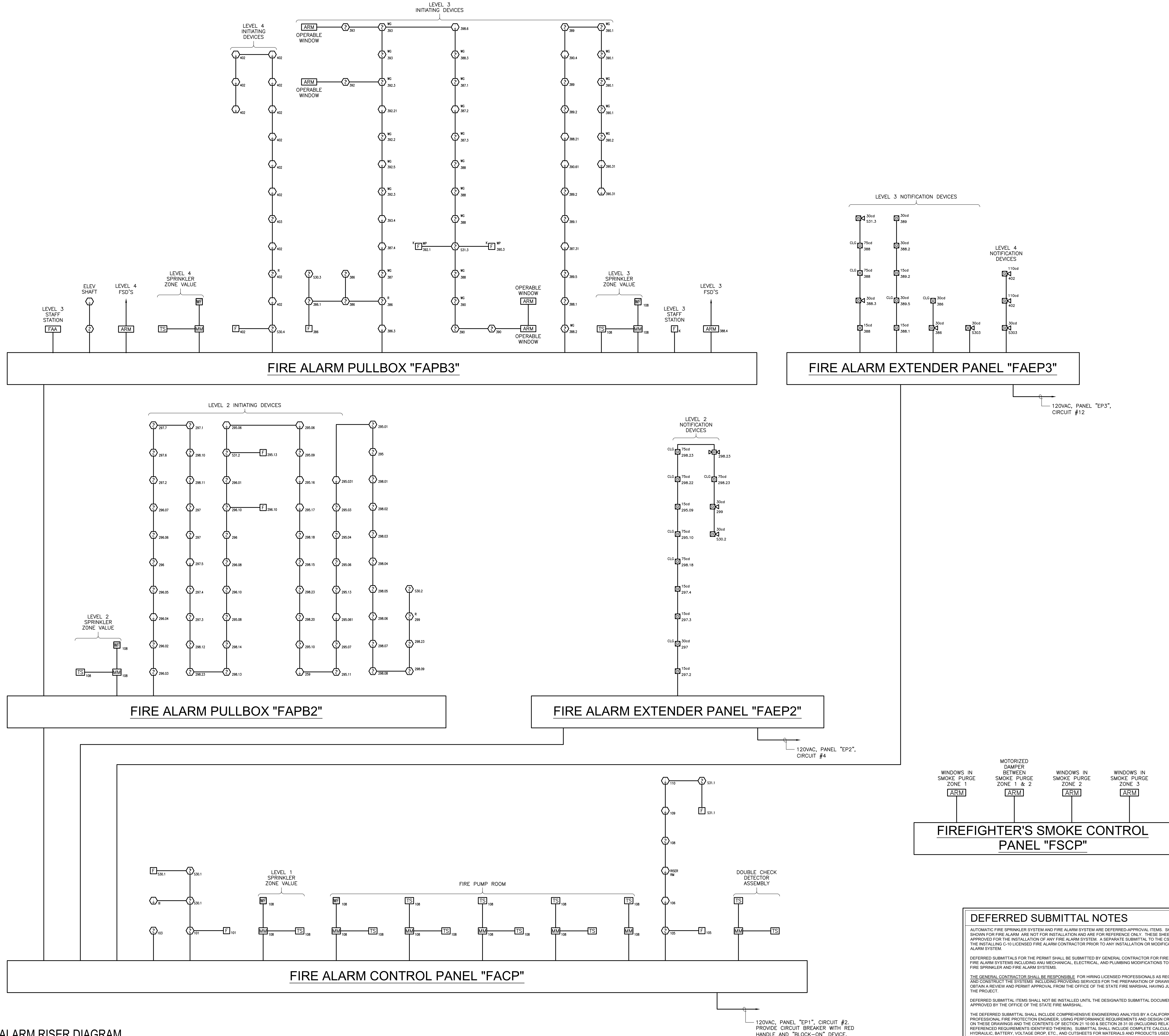
Sym.	Description	Date

Drawn By **BS**  
Date issued **09.19.2022**  
Scale **1/8" = 1'-0"**  
Project No. **16-6421.00**

SHEET No.  
**EF-114 V4**

SCHEMATIC FOR REFERENCE ONLY

Loop Name: 162839  
 Plot Date: September 20, 2022 - 8:52 am  
 File Name: P:\Projects\162839\Humboldt County Sheriff Facility\030606\Sheets\10264\_EF-114.dwg  
 Plot Path: P:\Projects\162839\Humboldt County Sheriff Facility\030606\Sheets\10264\_EF-114.dwg



1 FIRE ALARM RISER DIAGRAM  
NO SCALE

**DEFERRED SUBMITTAL NOTES**

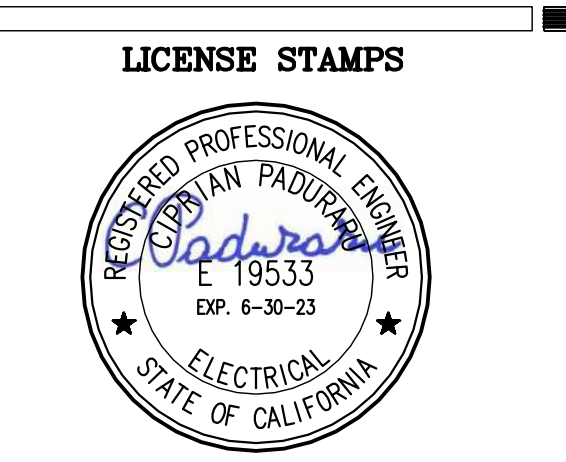
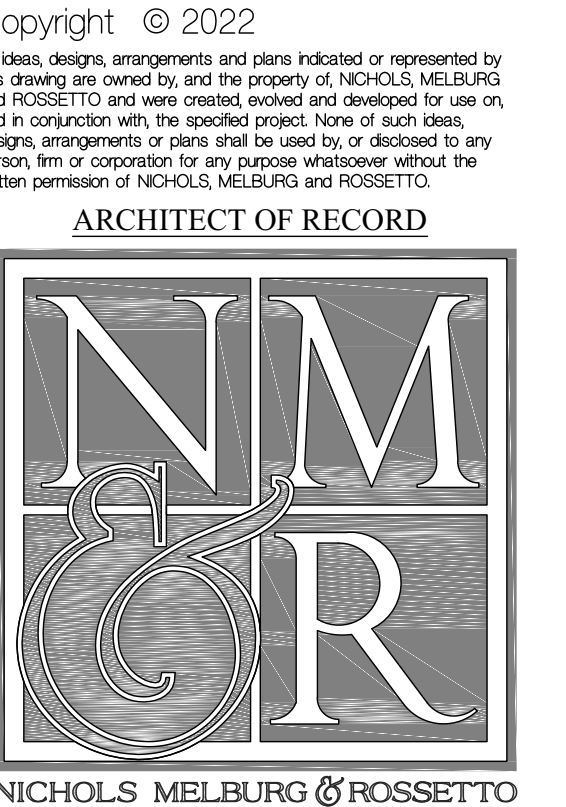
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PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
876 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**FIRE ALARM RISER  
DIAGRAM**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Sym.	Description	Date

Drawn By **BS**  
Date Issued **09.19.2022**  
Scale **AS NOTED**  
Project No. **16-6421.00**

SHEET No.  
**EF-115 V4**

SCHEMATIC FOR REFERENCE ONLY

User: New: 10/28/22  
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**FIRE SPRINKLER LEGEND**

SYMBOL	ABBREVIATION	DESCRIPTION
	AFS	AUTOMATIC FIRE SPRINKLER PIPING
	BFPWM	BACKFLOW PREVENTOR/WATER METER
	CSP	COMBINATION WET STAND PIPE AND AUTOMATIC SPRINKLER PIPING
	FDC	FIRE DEPARTMENT CONNECTION
	FH	FIRE HYDRANT
	F	FIRE SPRINKLER PIPING
	D	FIRE SPRINKLER PIPING DRAIN
	FSR	FIRE SPRINKLER RISER
	OS & Y	OUTSIDE STEM & YOKE VALVE
	PIV	POST INDICATOR VALVE
	WSP	WET STAND PIPE
		UPRIGHT FIRE SPRINKLER HEAD
		PENDANT FIRE SPRINKLER HEAD
		SE sidewall FIRE SPRINKLER HEAD
	(FA), (TA)	FROM ABOVE, TO ABOVE
	(FB), (TB)	FROM BELOW, TO BELOW

**ANCHORAGE & BRACING NOTES**

- SHOP DRAWINGS AND ENGINEERING CALCULATION FOR ANCHORAGE, SUPPORT, AND SEISMIC BRACING OF MECHANICAL EQUIPMENT, PIPING AND ETC NOT SHOWN ON DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION. ALL SUBMITTALS SHALL BE SIGNED BY A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CA.
- ALL FIRE PROTECTION EQUIPMENT SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN SECTIONS 13.6.1, 13.6.7, 13.6.9.5.6, AND 2013 CBC SECTIONS 1615A.1, 20, 1615A.1.21, AND 1615A.1.22.
- THE BRACING AND ATTACHMENTS TO STRUCTURE SHALL COMPLY WITH ONE OF THE GSPDF PRE-APPROVALS WITH AN OPA #, SUCH AS "MASON INDUSTRIES" (OPA 349 OR "SAT" (OPA 488) AS MODIFIED TO SATISFY THE ANCHORAGE REQUIREMENTS OF AIG 318, Appendix D. COPIES OF THE MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING HANGING AND BRACING OF THE PIPE DISTRIBUTIONS SYSTEMS.
- THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT BRACE LOADS.

**SPRINKLER SYSTEM DESIGN BASIS**

**BASIS OF DESIGN - SUPPLY PRESSURE**  
 STATIC PRESSURE AVAILABLE IN SITE FIRE LOOP MAIN: 56 PSI (FIELD VERIFY)  
 RESIDUAL PRESSURE AVAILABLE IN SITE FIRE LOOP MAIN: 36 PSI (FIELD VERIFY)  
 BFP & SERVICE PRESSURE LOSSES: 7 PSI  
 NOTE: BFP PRESSURE LOSS DOWNSTREAM OF SITE FIRE LOOP: RESIDUAL PRESSURE AVAILABLE AT RISER: 29 PSI  
 PRESSURE REQUIRED AT REMOTE SPRINKLER HEAD: 20 PSI

**DESIGN WATER DEMAND**  
 BASIS OF DESIGN SPRINKLER FLOW BASED ON DENSITY/AREA CURVES OF NFPA 13 - FIGURE 11.2.3.1.1:

LIGHT HZ. 1500SF @ 0.20 GPM/FT<sup>2</sup> = 300 GPM  
 HOSE STREAM ALLOWANCE\*\* = 100 GPM  
 TOTAL DESIGN WATER DEMAND = 400 GPM

\* LIGHT HAZARD IS DRIVING DEMAND FOR FLOW DETERMINATION  
 \*\* COMBINED HOSE STREAM FOR LIGHT HAZARD

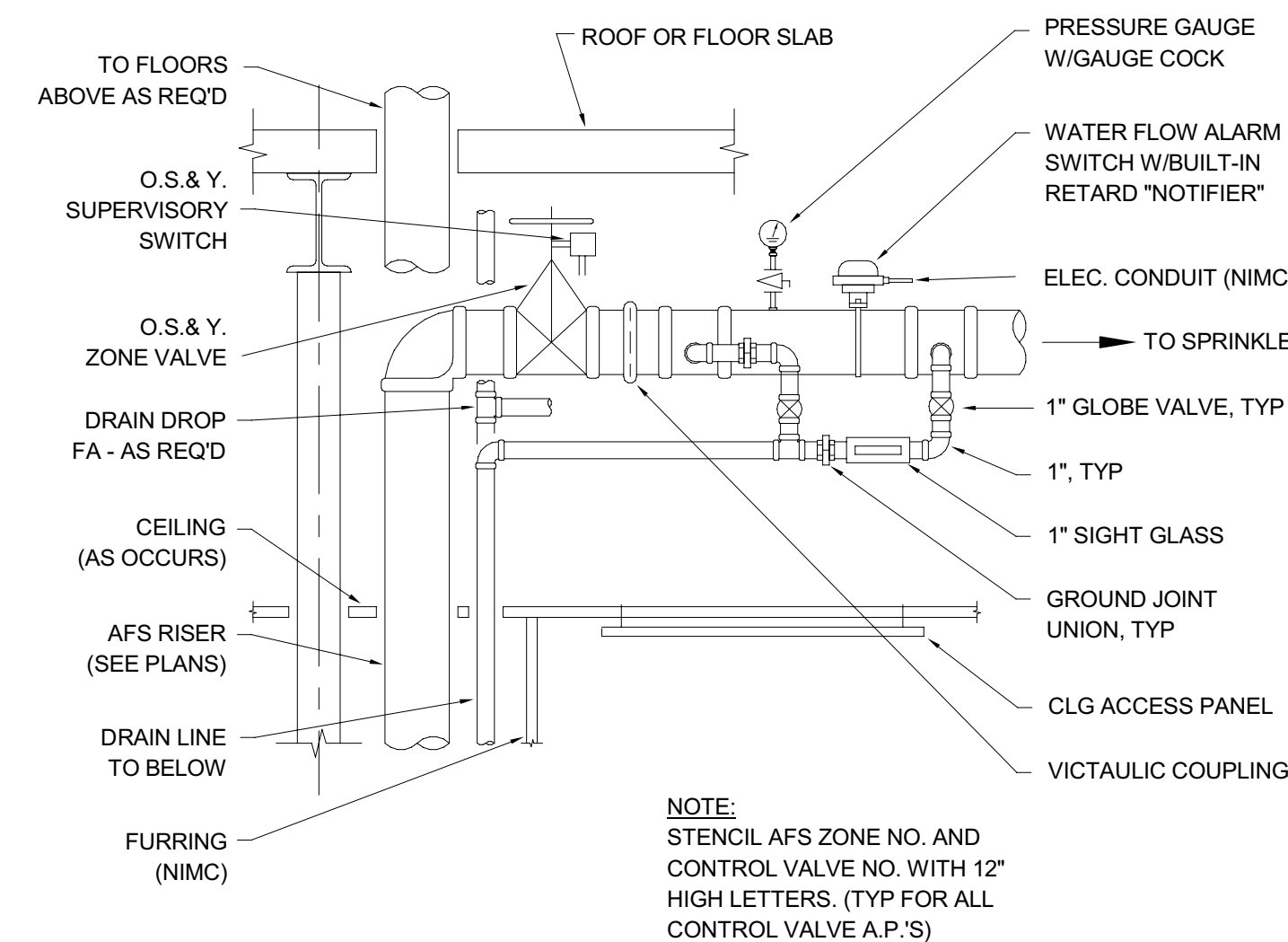
**FIRE PROTECTION NOTES**

- THE INSTALLING CONTRACTOR SHALL IDENTIFY A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM WITH A PERMANENTLY MARKED WEATHERPROOF METAL OR RIGID PLASTIC SIGN, SECURE WITH CORROSION-RESISTANT WIRE, CHAIN, OR OTHER APPROVED MEANS. SUCH SIGNS SHALL BE PLACED AT THE ALARM VALVE, DRY PIPE VALVE, PREACTION VALVE OR DELUGE VALVE SUPPLYING THE CORRESPONDING HYDRAULICALLY DESIGNED AREA. THE AREA SHALL INCLUDE THE FOLLOWING INFORMATION:  
 A. LOCATION OF THE DESIGN AREA OR AREAS  
 B. DISCHARGE DENSITIES OVER THE DESIGN AREA OR AREAS  
 C. REQUIRED FLOW AND RESIDUAL PRESSURE DEMAND AT THE BASE OF THE RISER  
 D. HOSE STREAM DEMAND INCLUDED IN ADDITION TO THE SPRINKLER DEMAND (2016 EDITION OF NFPA 13, SECTION 25.5.8 & 25.6)
- A CABINET WITH A STOCK OF SPARE SPRINKLERS AND SPECIAL SPRINKLER WRENCH SHALL BE PROVIDED. LOCATION OF THE CABINET, NUMBER AND TYPE OF SPRINKLERS SHALL CONFORM TO NFPA 13, 2016 EDITION, SECTION 8.2.9.3.
- DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD VERIFY WHERE POSSIBLE EXACT LOCATIONS, SIZES AND ELEVATIONS OF ALL NEW & EXISTING DUCTWORK, PIPING CONNECTIONS, OTHER WORK, ETC. PRIOR TO THE INSTALLATION OF ANY NEW WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS, TRANSITIONS, OFFSETS, ETC., TO AVOID (NEW & EXISTING) DUCTWORK, PIPING, EQUIPMENT OR STRUCTURE AND TO MAKE A COMPLETE AND FUNCTIONING SYSTEM.
- INSTALL ALL WORK TO CLEAR ARCHITECTURAL, STRUCTURAL MEMBERS AND MECHANICAL SYSTEMS. ADJUST PIPING AS NECESSARY. NO ITEM SUCH AS PIPE, ETC., SHALL BE IN CONTACT WITH ANY EQUIPMENT. INSTALL ALL PIPING AS HIGH AS POSSIBLE OR AS SPECIFIED ON DRAWINGS TO MAINTAIN MAXIMUM ACCESSIBILITY.
- THE ENTIRE SYSTEM IS TO BE DESIGNED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE, LOCAL AND STATE FIRE MARSHAL REQUIREMENTS, THE LATEST EDITIONS OF THE NFPA CODES, AND ALL OTHER REGULATIONS THAT MAY APPLY.
- INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS, INCLUDING WATER SUPPLY INFORMATION HAVE BEEN APPROVED BY THE LOCAL FIRE MARSHAL AND ENGINEER OF RECORD. AT VARIOUS STAGES AND UPON COMPLETION, THE SYSTEM MUST BE TESTED IN THE PRESENCE OF THE INSPECTOR OF RECORD.
- ALL AREAS OUTLINED ON PLANS SHALL BE FIRE SPRINKLER. SEE PLANS FOR LOCATIONS. REFER TO DIVISION 21 SPECIFICATION FOR A COMPLETE DESCRIPTION OF FIRE PROTECTION REQUIREMENTS.
- THE LOCATIONS OF RISERS, FEED MAINS, CROSS MAINS AND BRANCH PIPING WHERE SHOWN ON THE DRAWINGS IS APPROXIMATE. FINAL LOCATION IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE IN COMPLIANCE WITH THE SPECIFICATIONS AND ALL APPLICABLE CODES AND REGULATIONS.
- ALL PIPING, HEADS, AND SPRINKLER WORK SHALL BE COORDINATED TO THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL WORK. PIPING SHALL BE CONCEALED, EXCEPT WHERE SO INDICATED OR WHERE ABSOLUTELY NECESSARY TO BE EXPOSED. EXPOSED PIPING SHALL BE PLACED AS APPROVED BY THE LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.
- IN GENERAL, HEADS SHALL BE SYMMETRICALLY LOCATED IN CENTER OF CEILING PANELS AND FULLY COORDINATED WITH CEILING OR SOFFIT LIGHT FIXTURES AND AIR CONDITIONING INLETS AND OUTLETS.
- PROVIDE SPRINKLER HEADS AS REQUIRED ON TOP OF SHAFTS, AT ELEVATORS, UNDER STAIRWAYS, ETC.
- PROVIDE SEMI-RECESSED HEADS IN OCCUPIED SPACES, PROVIDE PENDANT HEADS AT MECHANICAL SPACES AND EXPOSED SPACES.
- SLEEVE EACH PIPE THRU CONCRETE SLABS AND SEAL WATER TIGHT. PROVIDE CEILING ESCUTCHEON AS REQUIRED. COORDINATE LOCATION OF ALL PIPE PENETRATIONS THRU CONCRETE SLABS WITH GENERAL CONTRACTOR.
- DUE TO THE LIMITED SPACE AVAILABLE, ON-THE-JOB MEASUREMENT OF PIPE WILL BE REQUIRED. OFFSETS, PIPE, ADDITIONAL HEADS, FITTINGS, DRAINS, ETC., REQUIRED TO MEET JOB CONDITIONS SHALL BE FURNISHED AND INSTALLED AT NO EXTRA COST TO THE OWNER.
- FIRE SPRINKLER HYDRAULIC DESIGN DENSITY SHALL BE PER NFPA 13.
- FOR EXPOSED AREAS PIPING SHALL RUN PARALLEL TO STRUCTURE AND BEAMS, AS HIGH AS POSSIBLE. CONCEAL ADJACENT TO BEAMS AND STRUCTURE WHEREVER POSSIBLE. PIPING SHALL BE EXPOSED, PAINTED, HEADS SHALL BE UPRIGHT AND/OR SIDEWALL STANDARD BRONZE FINISH.
- PROTECT PENETRATIONS OF RATED FIRE ASSEMBLIES IN ACCORDANCE WITH THE CBC. REFER TO DETAILS 3FP000 AND 4FP000 FOR PENETRATION DETAILS.
- NO PIPING SHALL BE INSTALLED IN OR OVER ANY ELECTRICAL OR DATA ROOMS OR OVER ELECTRICAL EQUIPMENT OTHER THAN TO SERVE HEADS WITHIN THE ROOM.
- HILTI IS THE BASIS OF DESIGN FOR DETAILS 2FP000 AND 3FP000, ALTERNATE MANUFACTURERS WITH EQUAL PRODUCTS MEETING SPECIFICATION REQUIREMENTS ARE ACCEPTABLE. ALTERNATE MANUFACTURERS' UL DETAILS SHALL BE SUBMITTED AND AVAILABLE AT THE JOBSITE.
- WHERE PIPING PASSES THRU WALLS AND FLOORS, PROVIDE CLEARANCE PER NFPA 13 - 9.3.4.
- PROVIDE FLEXIBLE COUPLINGS IN PIPING AS REQUIRED PER NFPA 13 - 9.3.2.

**FIRE PUMP SCHEDULE**

UNIT	LOCATION	"MFR" MODEL NO.	GPM	TOTAL HEAD (FT)	ELECTRICAL DATA			OPER. WFT. (LBS.)	PIPING DETAIL	REMARKS
					RPM	HP	VOLT/PH			
FP 1	MECH ROOM 379	"AC" 4x4x7F	400	120	3500	20	208/3	800	2 FP000	VERT. IN-LINE
JP 1	MECH ROOM 379	"AC" 1.5x1.5x7F	10	120	3500	2.5	208/3	150	2 FP000	VERT. IN-LINE

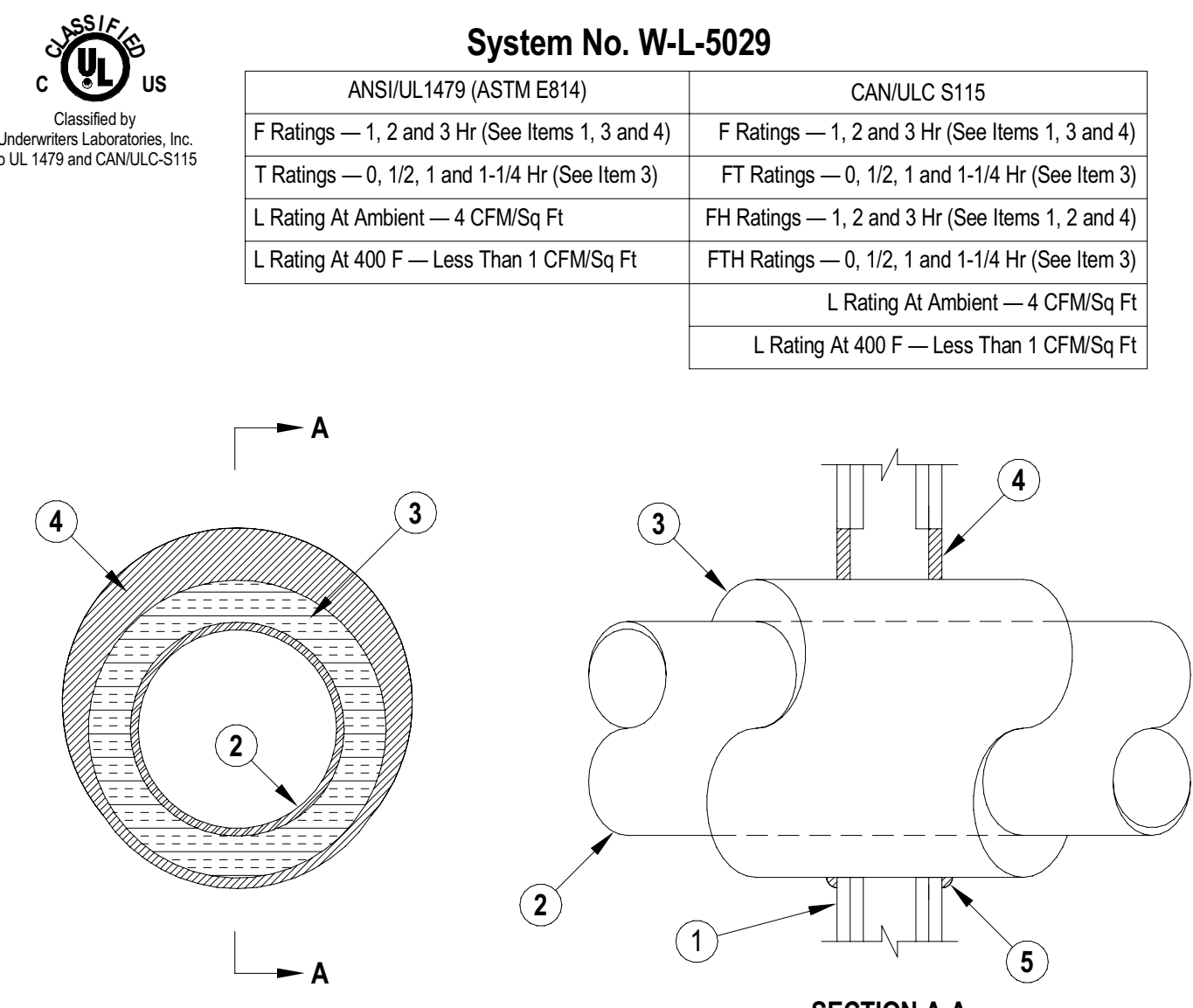
- FIRE PUMP & JOCKEY PUMP PROVIDED AS PART OF A COMPLETE UL & FM-LISTED ASSEMBLY. \*AC FIRE PUMP: ConfigPac OR APPROVED EQUIV. SEE 2FP000 FOR REQUIRED COMPONENTS.
- ANCHOR PUMP TO SLAB WITH MIN. (4) 5/8" DIAMETER "HLTI" KB-TZ ANCHORS, 4" MIN. EMBED.
- PROVIDE CONTROLLER W/ AUTOMATIC TRANSFER SWITCH.



**AFS ZONE CONTROL VALVE DETAIL**

SCALE : NONE

1  
FP000



**System No. W-L-5029**

ANSI/UL 1479 (ASTM E814) | CANULC S115

F Ratings — 1, 2 and 3 Hr (See Items 1, 3 and 4) | F Ratings — 1, 2 and 3 Hr (See Items 1, 3 and 4)

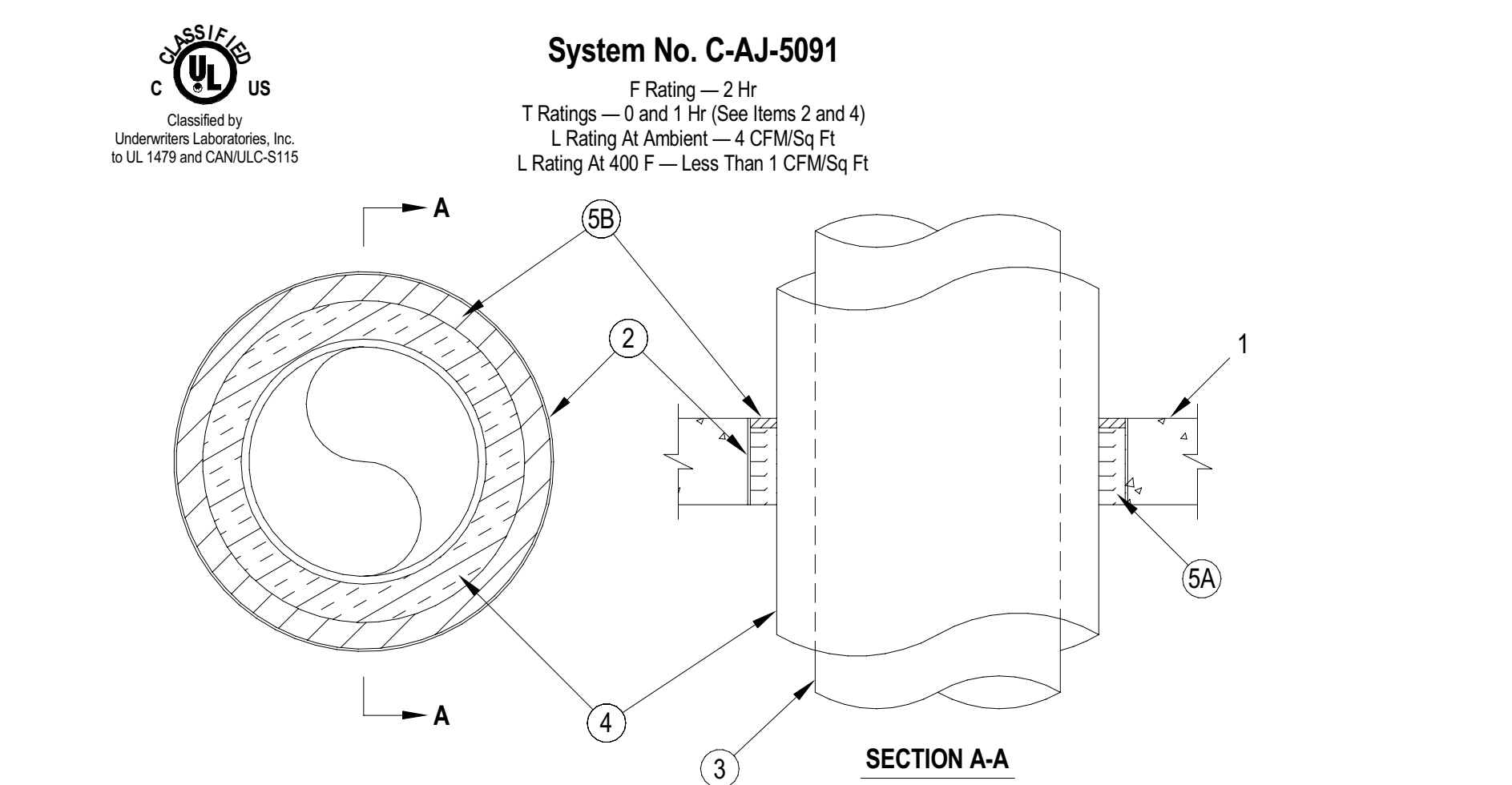
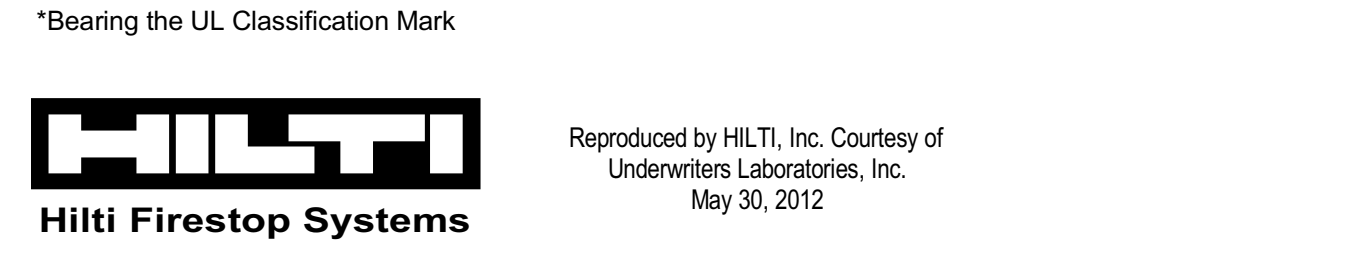
T Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3) | FT Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3)

L Rating At Ambient — 4 CFM/Sq Ft | FTH Ratings — 1, 2 and 3 Hr (See Items 1, 2 and 4)

L Rating At 400 F — Less Than 1 CFM/Sq Ft | FTH Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3)

L Rating At Ambient — 4 CFM/Sq Ft | L Rating At 400 F — Less Than 1 CFM/Sq Ft

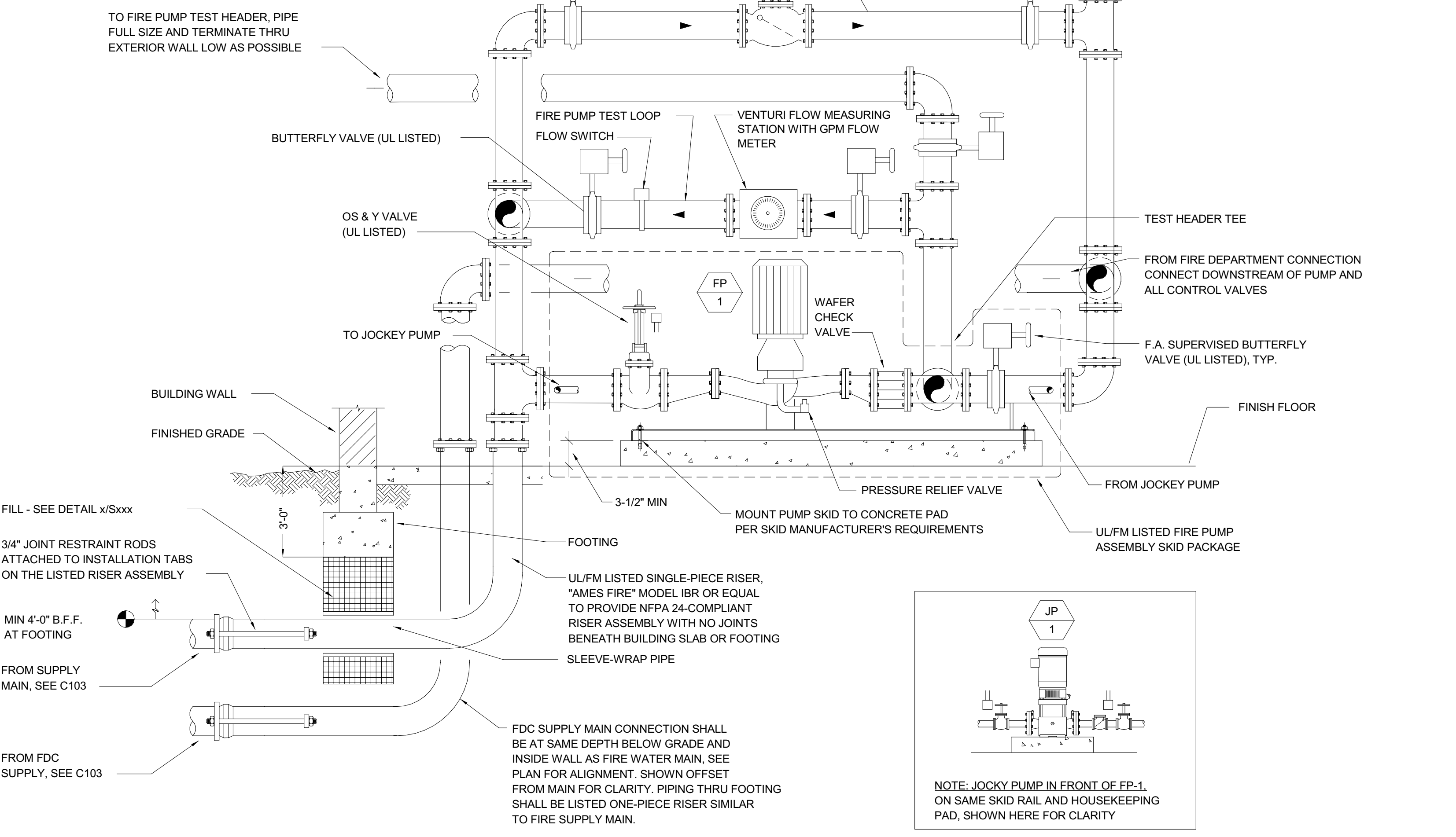
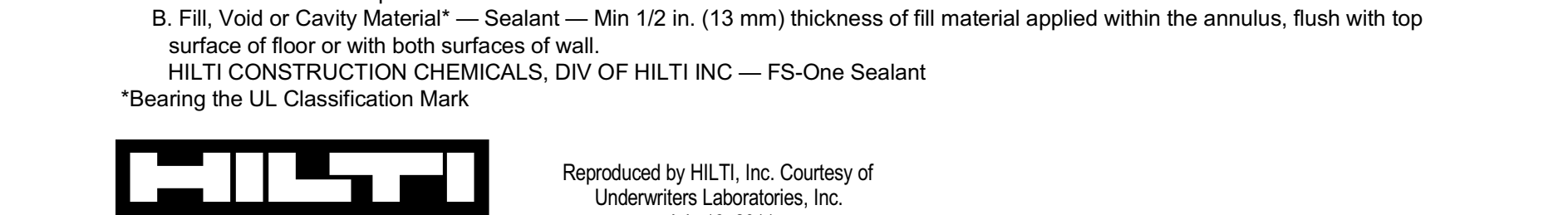
**1. Wall Assembly** — The 1, 2 or 3 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:  
 A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide for 1 and 2 hr F and FH rating and 3-1/2 in. (89 mm) wide for 3 hr F and FH rating and spaced max 24 in. (610 mm) OC.  
 B. Gypsum Board\* — Min 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 18-5/8 in. (473 mm). The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.  
 2. Through Penetrants — One metallic pipe or tubing to be installed within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:  
 A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.  
 B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.  
 C. Copper Tubing — Nom 8 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper tube shall not exceed 4 in. (102 mm).  
 D. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper pipe shall not exceed 4 in. (102 mm).  
 3. Pipe Covering\* — Nom 1, 1-1/2 or 2 in. (25, 38 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m<sup>3</sup>) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with built tape supplied with the product. For 1 and 2 hr F and FH Ratings, the annular space between insulated penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). For 3 hr F and FH Ratings, the annular space shall be min 0 in. (point contact) to max 1-1/4 in. (32 mm). See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for the names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.  
 The hourly T, FT, FTH Ratings of the firestop system are 1/2 hr for 1 hr rated walls and 1 hr for 2 hr rated walls. For 3 hr rated walls, the hourly T, FT and FTH Ratings when steel and iron pipes are used are 1 hr. For 3 hr rated walls, the hourly T, FT and FTH Ratings when copper penetrants are used are 1-1/4 hr for 2 in. (51 mm) thick pipe covering and 0 hr for pipe covering thickness less than 2 in. (51 mm).  
 3A. Pipe Covering\* — (Not Shown) — As an alternate to Item 3, max 2 in. (51 mm) thick cylindrical calcium silicate (min 14 pcf) units sized to the outside diam of the pipe or tube may be used. For 1 and 2 hr F and FH Ratings, the annular space between pipe covering and gypsum board, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe covering/gypsum board interface on both surfaces of wall.  
 HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. — FS-One Sealant



**System No. C-AJ-5091**

F Rating — 2 Hr  
 T Ratings — 0 and 1 Hr (See Items 2 and 4)  
 L Rating At Ambient — 4 CFM/Sq Ft  
 L Rating At 400 F — Less Than 1 CFM/Sq Ft

**1. Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 29 in. (737 mm). See Concrete Blocks (CAZT) category in the Fire Resistance directory for names of manufacturers.  
 2. Metallic Sleeve\* — (Optional) — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces or extending a max of 3 in. (76 mm) above floor or beyond both surfaces of wall. If the steel sleeve extends beyond the top surface of the floor or both surfaces of the wall, the T Rating of the firestop system is 0 hr.  
 2A. Sheet Metal Sleeve\* — (Optional) - Max 6 in. (152 mm) diam, min 26 ga galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approximately mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place flush with bottom surface of floor and may extend a max of 1 in. (25 mm) above the top surface of the floor.  
 2B. Sheet Metal Sleeve\* — (Optional) - Max 12 in. (305 mm) diam, min 24 ga galv steel provided with a 24 ga galv steel square flange spot welded to the sleeve at approximately mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place flush with bottom surface of floor and may extend a max of 1 in. (25 mm) above the top surface of the floor.  
 3. Through Penetrants — One metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or tubing may be used:  
 A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.  
 B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.  
 C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.  
 D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.  
 4. Pipe Covering\* — Min 1/2 in. (13 mm) to max 2 in. (51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m<sup>3</sup>) glass fiber units jacketed on the outside with an all-service jacket. Longitudinal joints sealed with metal fasteners or with built tape supplied with the product. Transverse joints secured with metal fasteners or with built tape supplied with the product. The annular space between the insulated pipe and the edge of the periphery of the opening shall be min 1/2 in. (13 mm) to max 12 in. (305 mm). When thickness of pipe covering is less than 2 in. (51 mm), the T Rating for the firestop system is 0 hr.  
 See Pipe and Equipment Covering — Materials — (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.  
 4A. Pipe Covering\* — (Not Shown) — As an alternate to Item 4, max 2 in. (51 mm) thick cylindrical calcium silicate (min 14 pcf or 224 kg/m<sup>3</sup>) units sized to the outside diam of the pipe or tube may be used. Pipe insulation secured with stainless steel bands or min 18 AWG stainless steel wire spaced max 12 in. (305 mm) OC. The annular space shall be min 1/2 in. (13 mm) to max 12 in. (305 mm).  
 5. Firestop System — The firestop system shall consist of the following:  
 A. Packing Material\* — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m<sup>3</sup>) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.  
 B. Fill, Void or Cavity Material\* — Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.  
 HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. — FS-One Sealant



**FIRE PUMP SYSTEM PIPING DIAGRAM**

SCALE : NONE

2  
FP000

**PIPE PENETRATION DETAIL (STUD)**

4  
FP000

SCALE : NONE

**PIPE PENETRATION DETAIL (MASONRY)**

3  
FP000

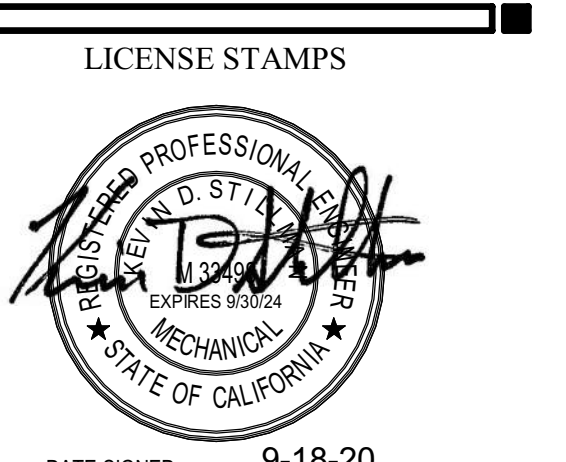
SCALE : NONE



OFFICE OF THE STATE FIRE MARSHAL  
 APPROVED FIRE AND PANIC ONLY



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DATE SIGNED: 9-18-20  
 PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**FIRE PROTECTION LEGENDS, NOTES, & DETAILS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS	
Delta	Date

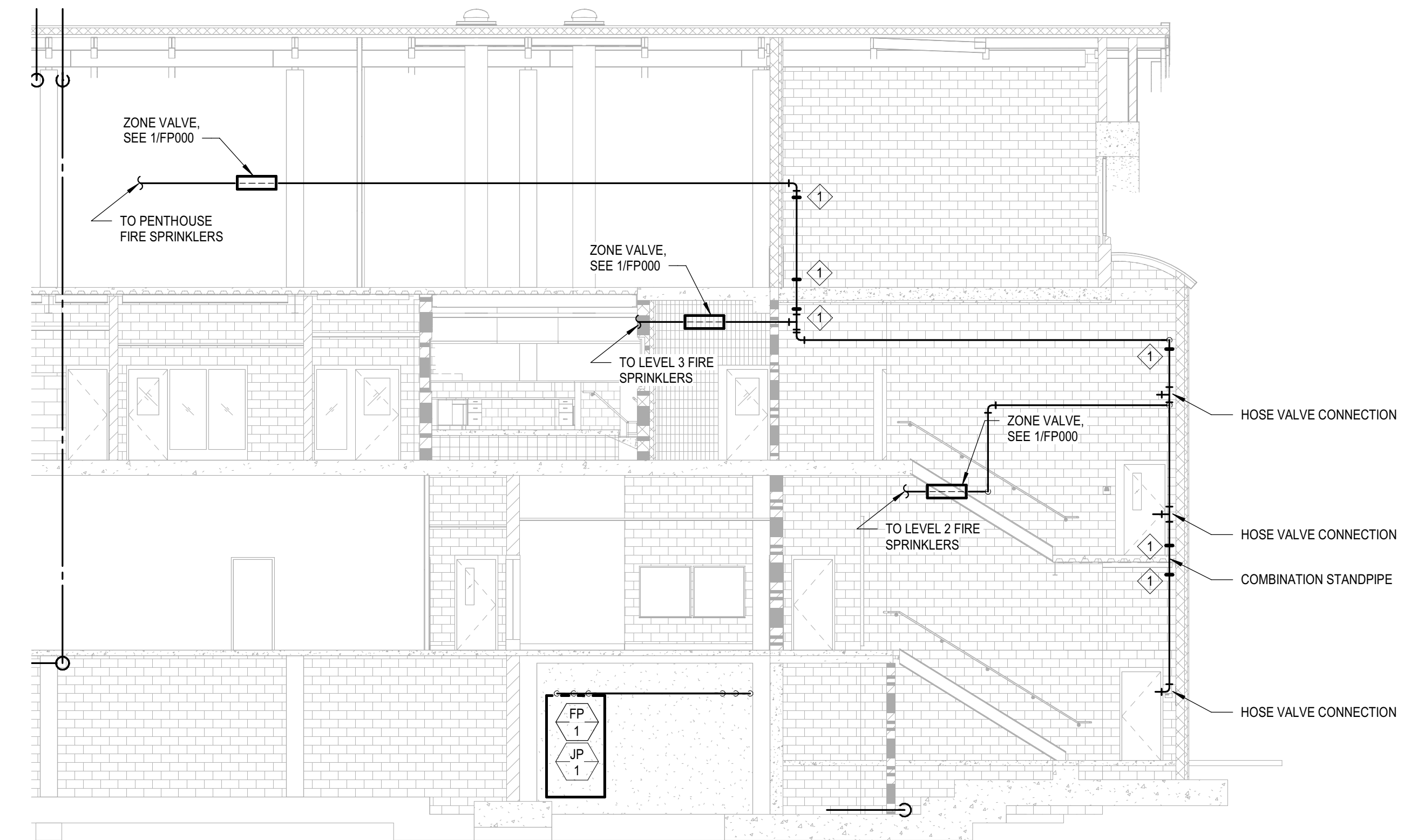
Drawn By \_\_\_\_\_ Author \_\_\_\_\_  
 Date Issued 09.19.2022  
 Scale As indicated  
 Project No. 16-6421.00

**SHEET No. FP000 V4**

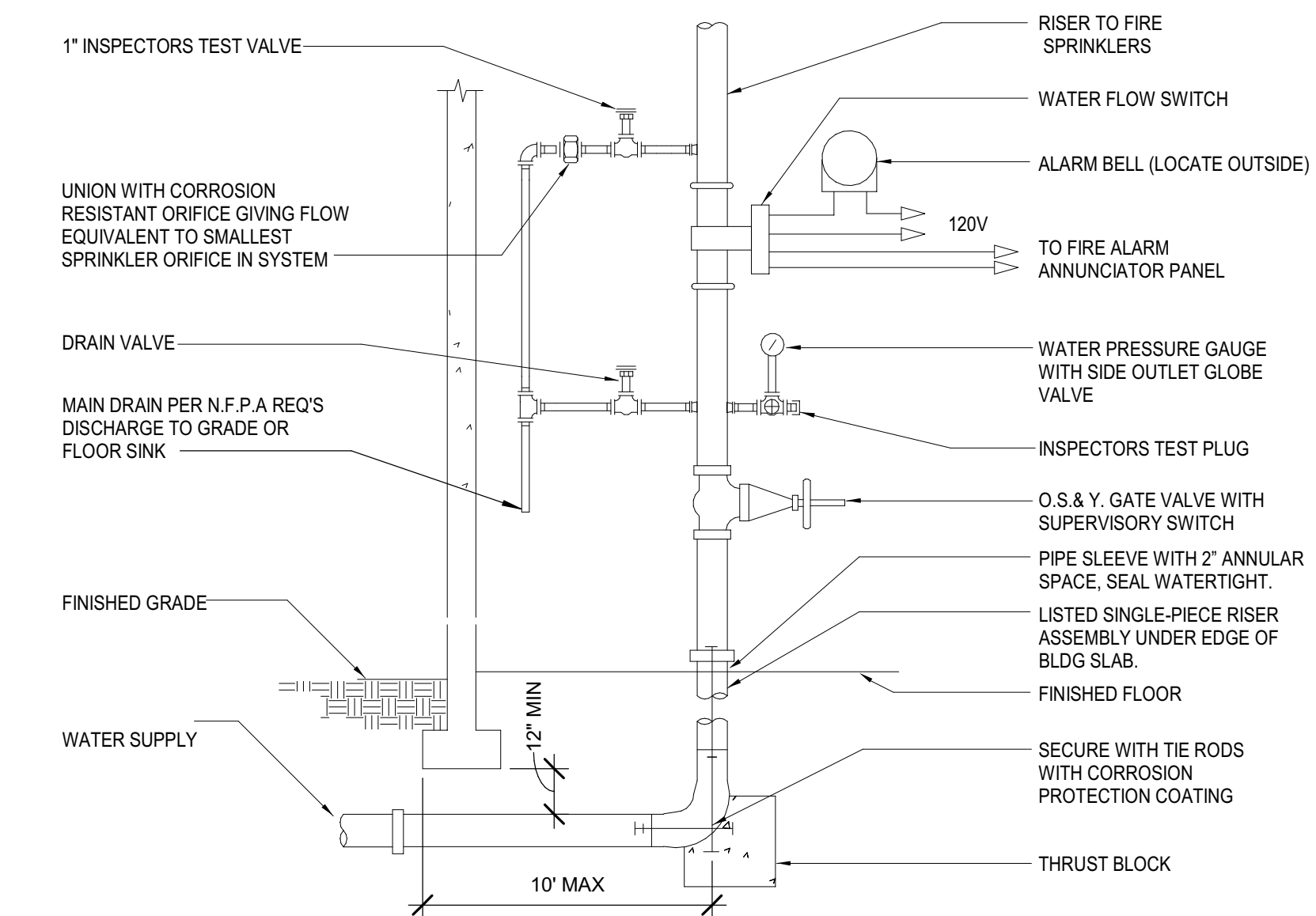
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**KEY NOTES:**

1 FLEXIBLE COUPLING AT TOP AND BOTTOM OF ALL RISERS. PER NFPA 13 - 9.3.2.3.1. PROVIDE ADDITIONAL FLEXIBLE COUPLINGS AS REQUIRED TO COMPLY WITH ENTIRETY OF NFPA 13 - 9.3.2.



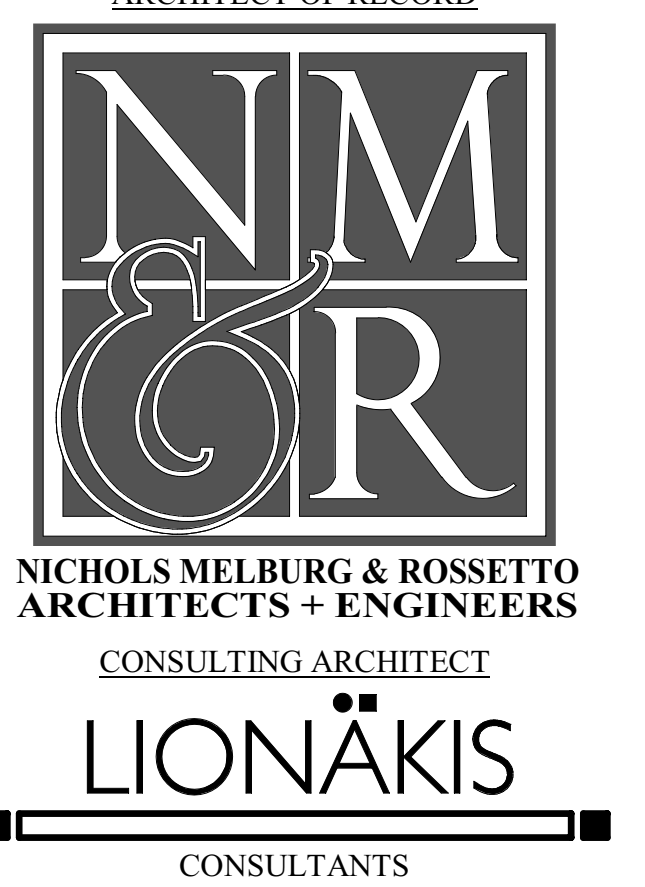
**1 FIRE PROTECTION SECTION**  
 FP001 SCALE: 1/8" = 1'-0"



**2 FIRE SPRINKLER RISER DETAIL**  
 FP001 SCALE: NONE



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**FIRE PROTECTION SECTION & DETAIL**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	As indicated
Project No.	16-6421.00

SHEET No.  
**FP001 V4**

# OSFM-SPECIFIC NOTES

THE INSTALLING CONTRACTOR SHALL IDENTIFY A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM WITH A PERMANENTLY MARKED WEATHERPROOF METAL OR RIGID PLASTIC SIGN, SECURE WITH CORROSION-RESISTANT WIRE, CHAIN, OR OTHER APPROVED MEANS. SUCH SIGNS SHALL BE PLACED AT THE ALARM VALVE, DRY PIPE VALVE, PREACTION VALVE, OR DELUGE VALVE SUPPLYING THE CORRESPONDING HYDRAULICALLY DESIGNED AREA.

THE AREA SHALL INCLUDE THE FOLLOWING INFORMATION:

- LOCATION OF THE DESIGN AREA OR AREAS.
- DISCHARGE DENSITIES OVER THE DESIGN AREA OR AREAS.
- REQUIRED FLOW AND RESIDUAL PRESSURE DEMAND AT THE BASE OF THE RISER.
- HOSE STREAM DEMAND INCLUDED IN ADDITION TO THE SPRINKLER DEMAND (2016 EDITION OF NFPA 13, SECTION 25.5 & 25.6)

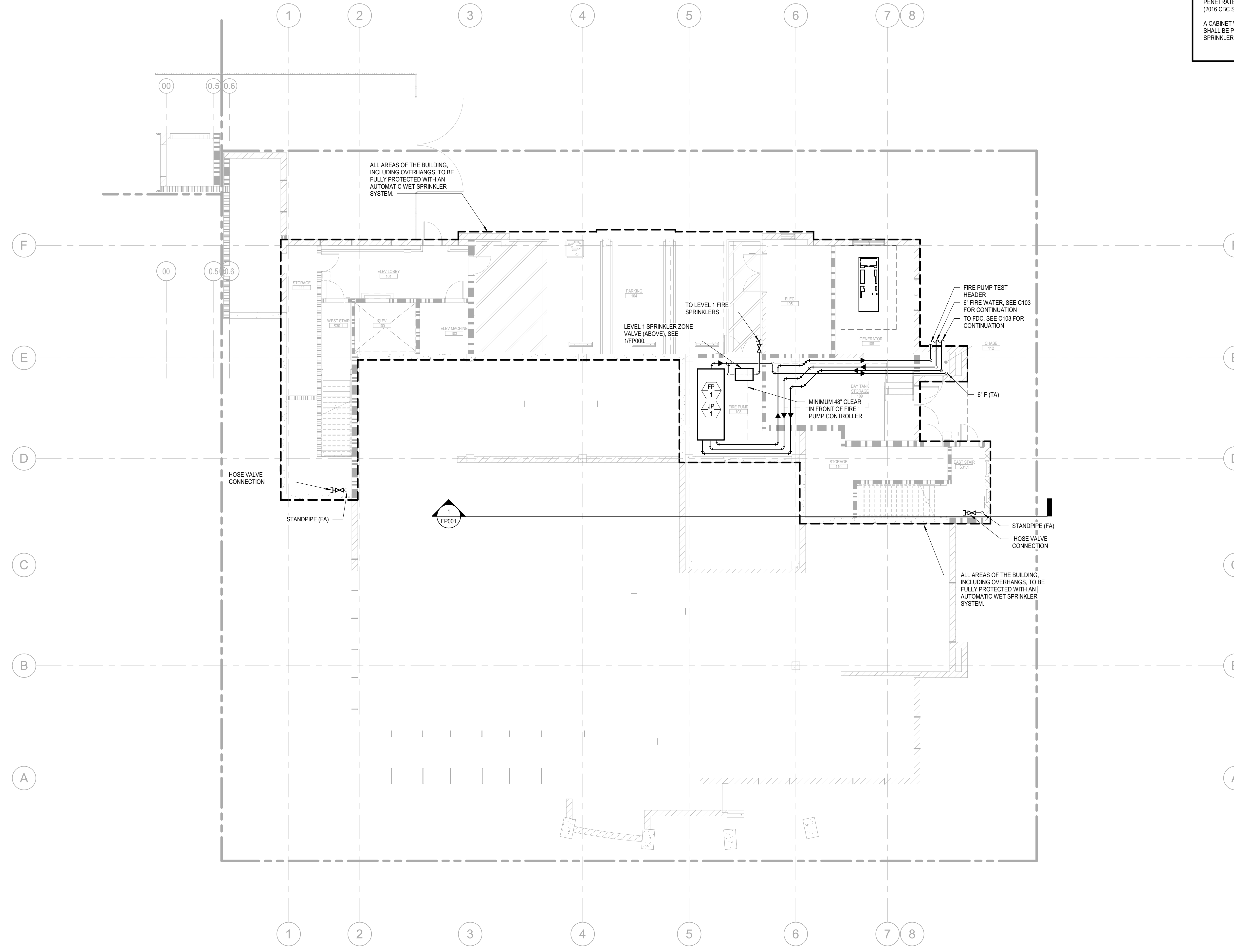
THE AUTOMATIC FIRE SPRINKLER SYSTEM SHALL CONFORM TO THE REQUIREMENT OF NFPA 13, 2016 ED. INSTALLATION OF THE FIRE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION AND TYPE OF SYSTEM, IF ANY) HAVE BEEN APPROVED BY THE CALIFORNIA STATE FIRE MARSHAL. AT VARIOUS STAGES AND UPON COMPLETION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF THE CALIFORNIA STATE FIRE MARSHAL.

PROVIDE FIRESTOPPING DESIGN AND DETAILS SHOWING THE REQUIRED CLEARANCES AND FLEXIBLE FIRE-STOP SYSTEM/SEALANT WHERE SPRINKLER PIPING PENETRATES RATED WALLS WHERE OPENINGS ARE REQUIRED TO BE PROTECTED (2016 CBC SECTION 714)

A CABINET WITH A STOCK OF SPARE SPRINKLERS AND SPECIAL SPRINKLER WRENCH SHALL BE PROVIDED. LOCATION OF THE CABINET, NUMBER AND TYPE OF SPRINKLERS SHALL CONFORM TO NFPA 13 2016 ED, SECTION 6.2.9.3.



Approval of this plan book is for the purpose of authorizing or approving the construction of the project from the applicable regulations. Approval is subject to field inspection. Other sets of approved plans shall be available on the project site at all times.



PLAN NORTH  
**1**  
FIRE PROTECTION PLAN - LEVEL 1  
SCALE: 1/8" = 1'-0"

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NICHOLS MELBURG & ROSSETTO  
ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
**LIONAKIS**  
CONSULTANTS

ENGINEERING CONSULTANTS, INC.  
RANCHO CORDOVA, CALIFORNIA  
JD - ISJ/HHC 170324.00  
P/E - DESIGN TEAM PROJECT INC.



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**FIRE PROTECTION PLAN  
- LEVEL 1**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**FP200 V4**

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Plot Date: 9/21/2022 11:30:01 AM  
Name: L:\event\Local\Humboldt\_Rc\_Entry\_MP200\Humboldt\_Rc\_Entry\_MP200.dwg

**OSFM-SPECIFIC NOTES**

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ARCHITECT OF RECORD

NICHOLS MELBURG & ROSSETTO  
 ARCHITECTS + ENGINEERS  
 CONSULTING ARCHITECT

LIONAKIS  
 CONSULTANTS

CAPITAL  
 ENGINEERING CONSULTANTS, INC.  
 RANCHO CORDOVA, CALIFORNIA  
 JD - ISJ/HHC 170324.00  
 P/E - DESIGN TEAM PROJECT INC.

LICENSE STAMPS

DATE SIGNED: 9-18-20

PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**FIRE PROTECTION PLAN  
 - LEVEL 2**

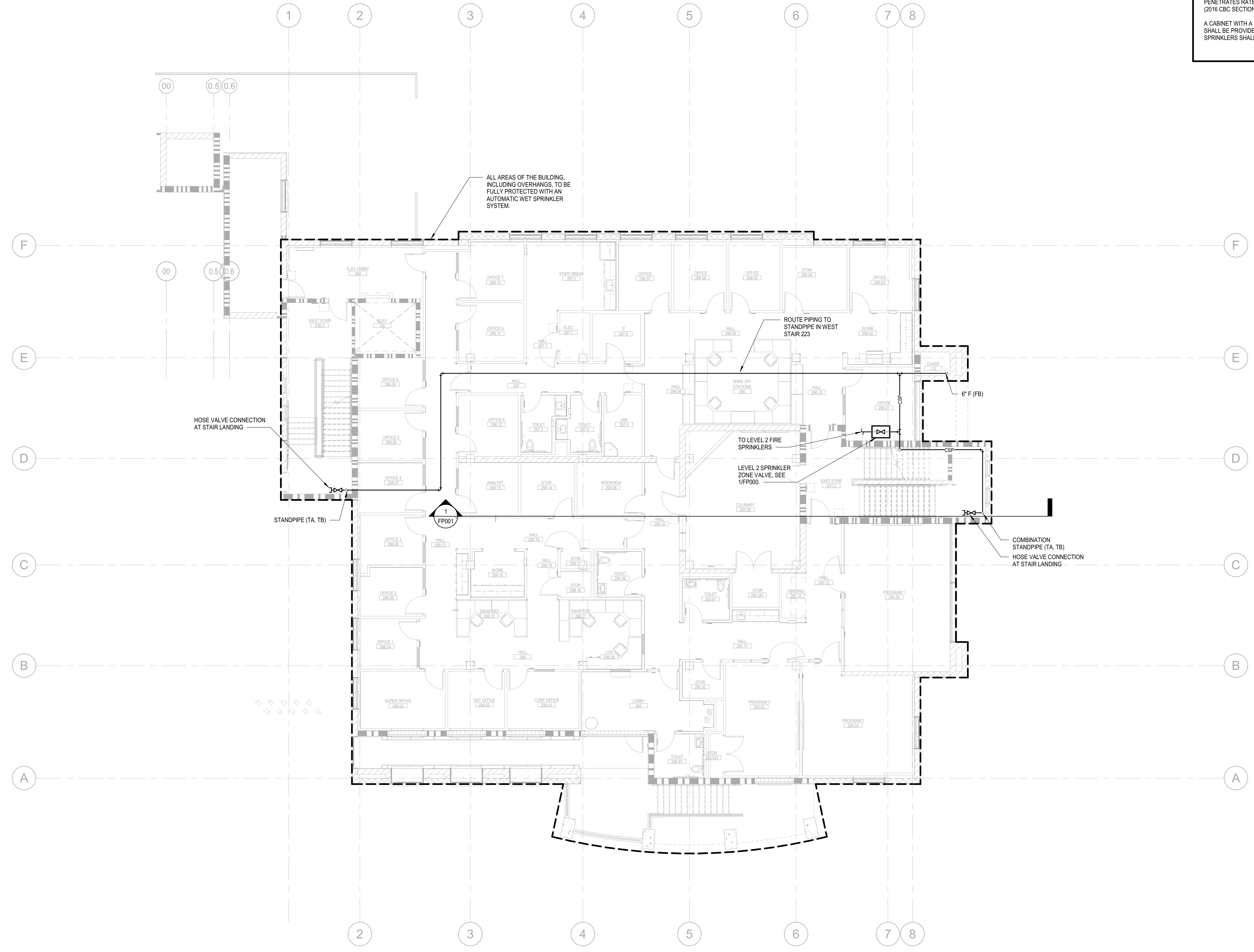
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**FP201 V4**



PLAN NORTH  
**1**  
 FIRE PROTECTION PLAN - LEVEL 2  
 SCALE: 1/8" = 1'-0"

SCHEMATIC FOR REFERENCE ONLY

Plot Date: 9/21/2022 11:30:03 AM  
 Name: Level 2 Fire Protection Humboldt\_Re\_Entry\_MP201Humboldt\_Re\_Entry\_MP201.dwg



**SPRINKLER ZONE LEGEND**

- SPRINKLER ZONE SHALL INCLUDE:**
1. SPRINKLER ACTIVATION TEMPERATURE OF 135°F.
  2. SPRINKLER SPACING SHALL BE 8' x 8'.
  3. RESPONSE TIME INDEX (RTI) OF SPRINKLERS SHALL BE 90 (8-s)<sup>1/2</sup> OR LESS.
- SPRINKLER ZONE SHALL INCLUDE:**
1. SPRINKLER ACTIVATION TEMPERATURE OF 135°F.
  2. SPRINKLER SPACING SHALL BE 8' x 8'.
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**OSFM-SPECIFIC NOTES**

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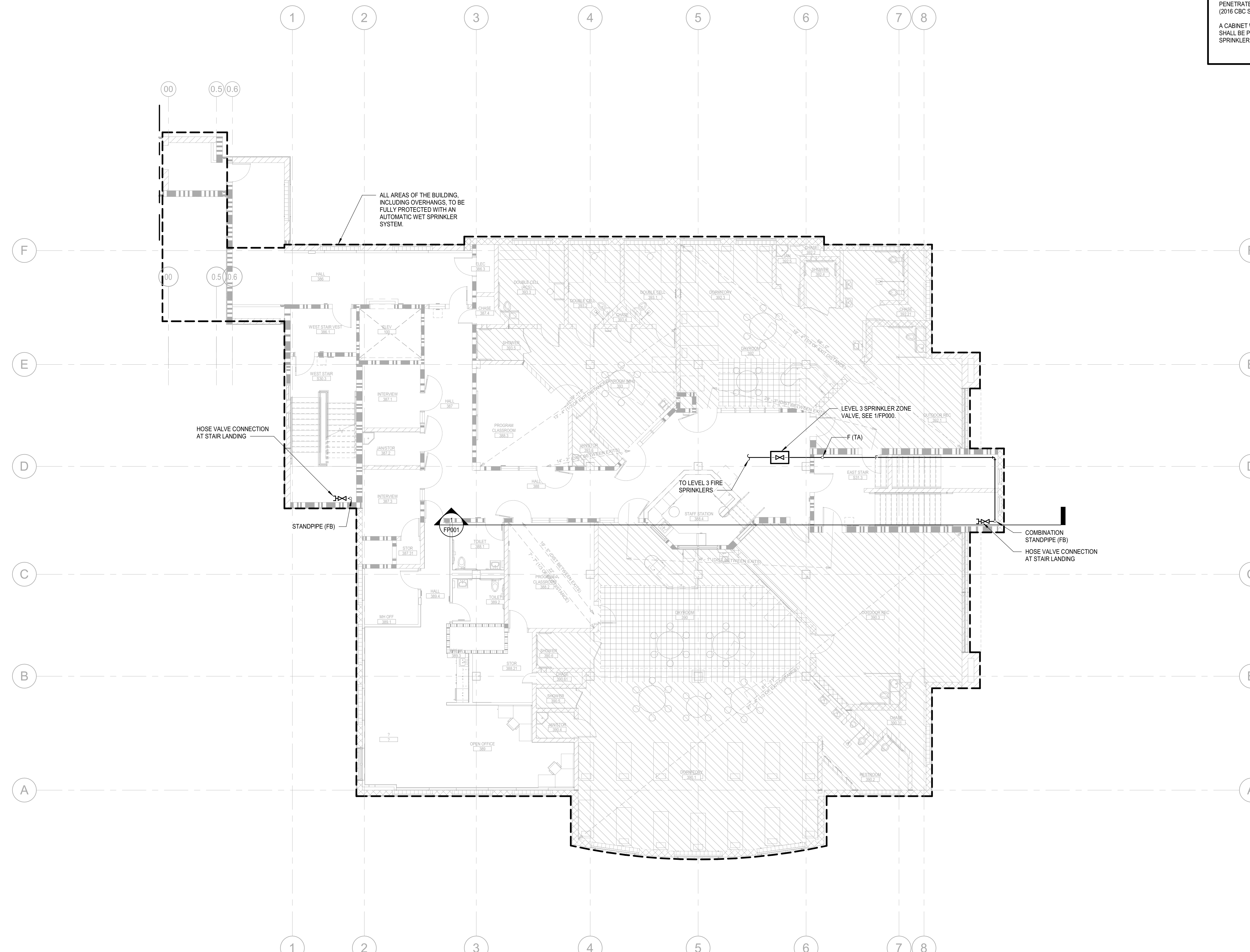
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- b. DISCHARGE DENSITIES OVER THE DESIGN AREA OR AREAS.
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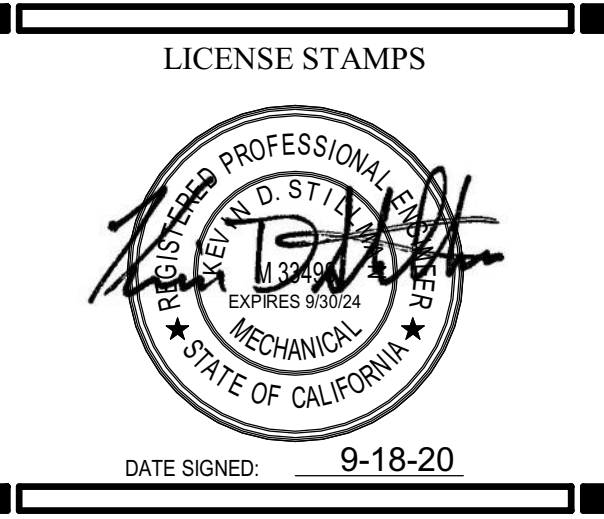


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PLAN NORTH  
1  
FIRE PROTECTION PLAN - LEVEL 3  
SCALE: 1/8" = 1'-0"

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PROJECT NAME  
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CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**FIRE PROTECTION PLAN  
- LEVEL 3**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**FP202 V4**

**OSFM-SPECIFIC NOTES**

THE INSTALLING CONTRACTOR SHALL IDENTIFY A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM WITH A PERMANENTLY MARKED WEATHERPROOF METAL OR RIGID PLASTIC SIGN, SECURE WITH CORROSION-RESISTANT WIRE, CHAIN, OR OTHER APPROVED MEANS. SUCH SIGNS SHALL BE PLACED AT THE ALARM VALVE, DRY PIPE VALVE, PREACTION VALVE, OR DELUGE VALVE SUPPLYING THE CORRESPONDING HYDRAULICALLY DESIGNED AREA.

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LICENSE STAMPS



PROJECT NAME

**HUMBOLDT COUNTY  
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 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE

**FIRE PROTECTION PLAN  
 - LEVEL 4 PH**

DRAWING STATUS

**WORKING DRAWINGS**

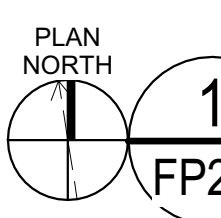
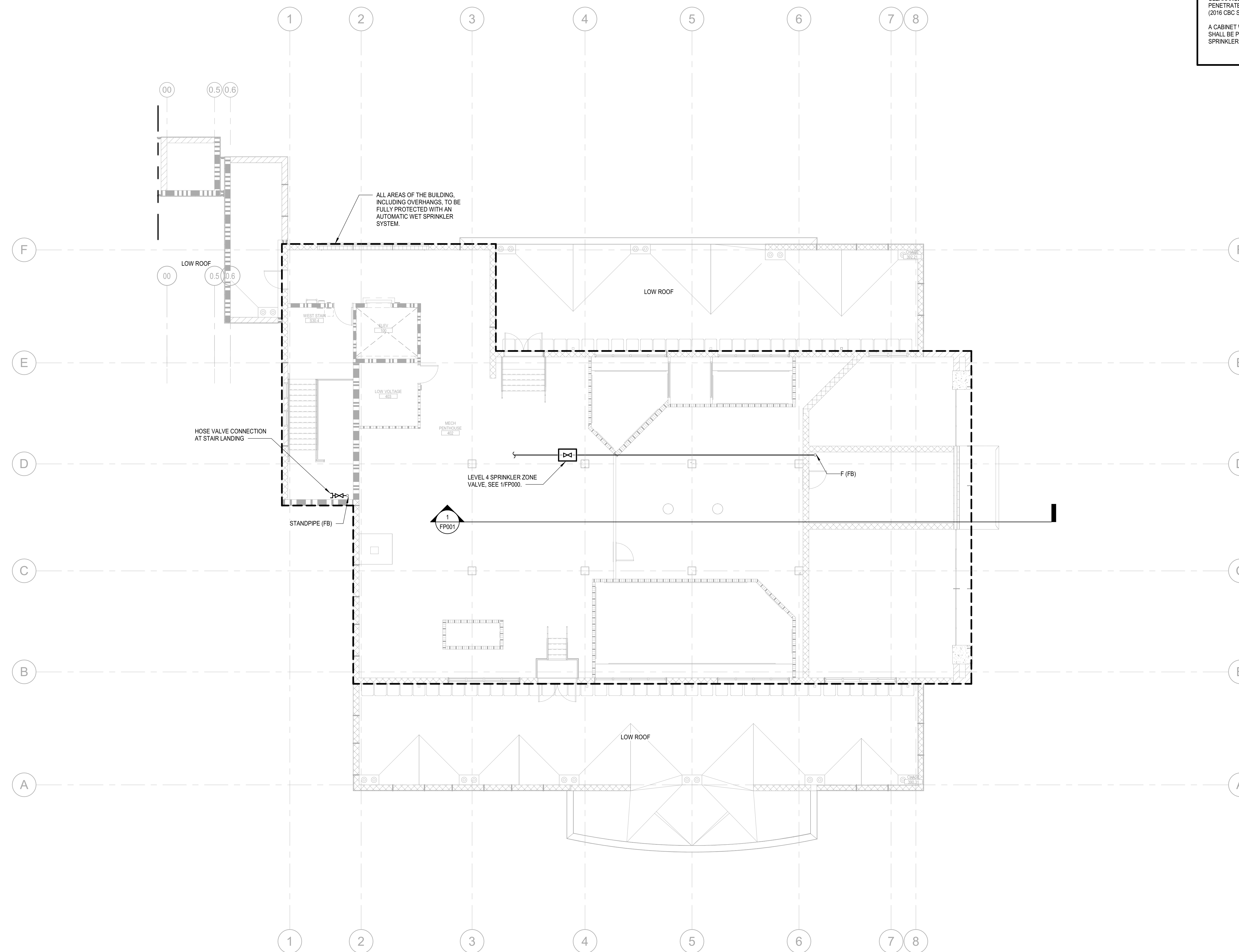
REVISIONS

Delta	Description	Date

Drawn By	Author
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.

**FP203 V4**



**1 FIRE PROTECTION PLAN - LEVEL 4 PH**

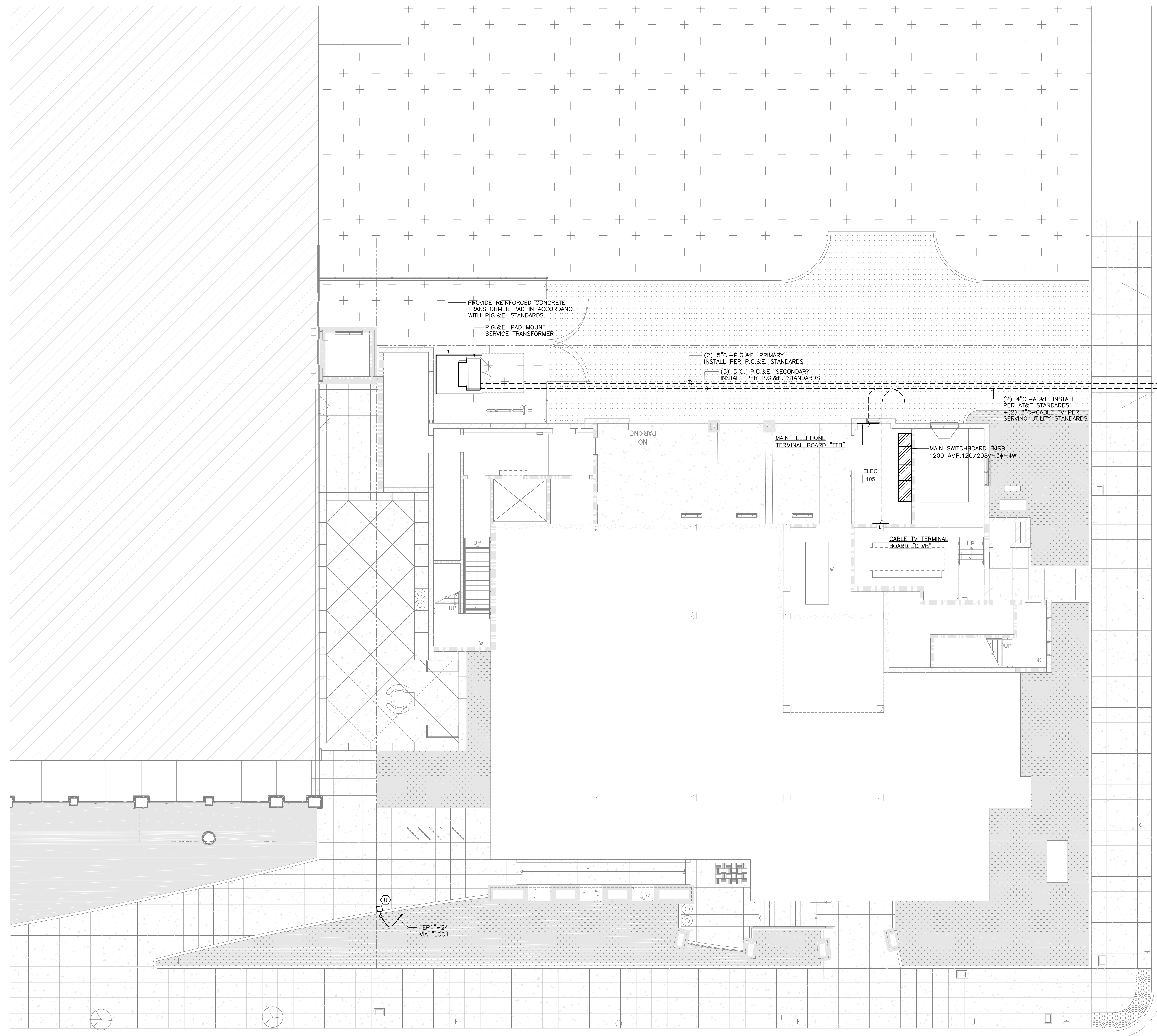
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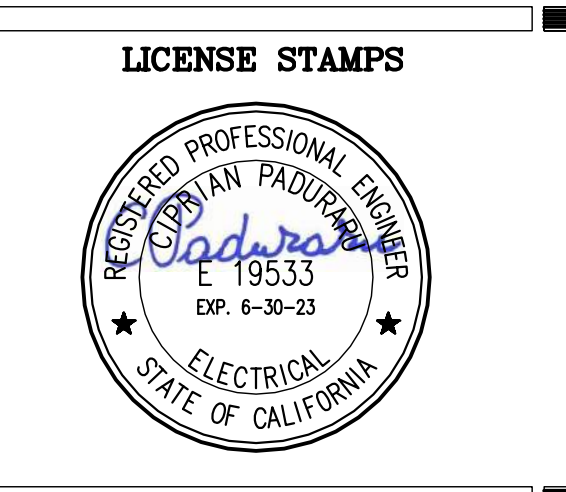




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**LIONAKIS**  
 CONSULTANTS  
  
**CONSULTING ENGINEERS**  
 1209 Pleasant Grove Blvd.  
 Roseville, CA 95678  
 p 916-771-0778  
 www.lpsngineers.com  
 Job #: 17-2264



**PROJECT NAME**  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
**876 5th STREET**  
**EUREKA, CA 95501**

**SHEET TITLE**  
**ELECTRICAL**  
**SITE PLAN**

**DRAWING STATUS**  
**WORKING DRAWINGS**

**REVISIONS**

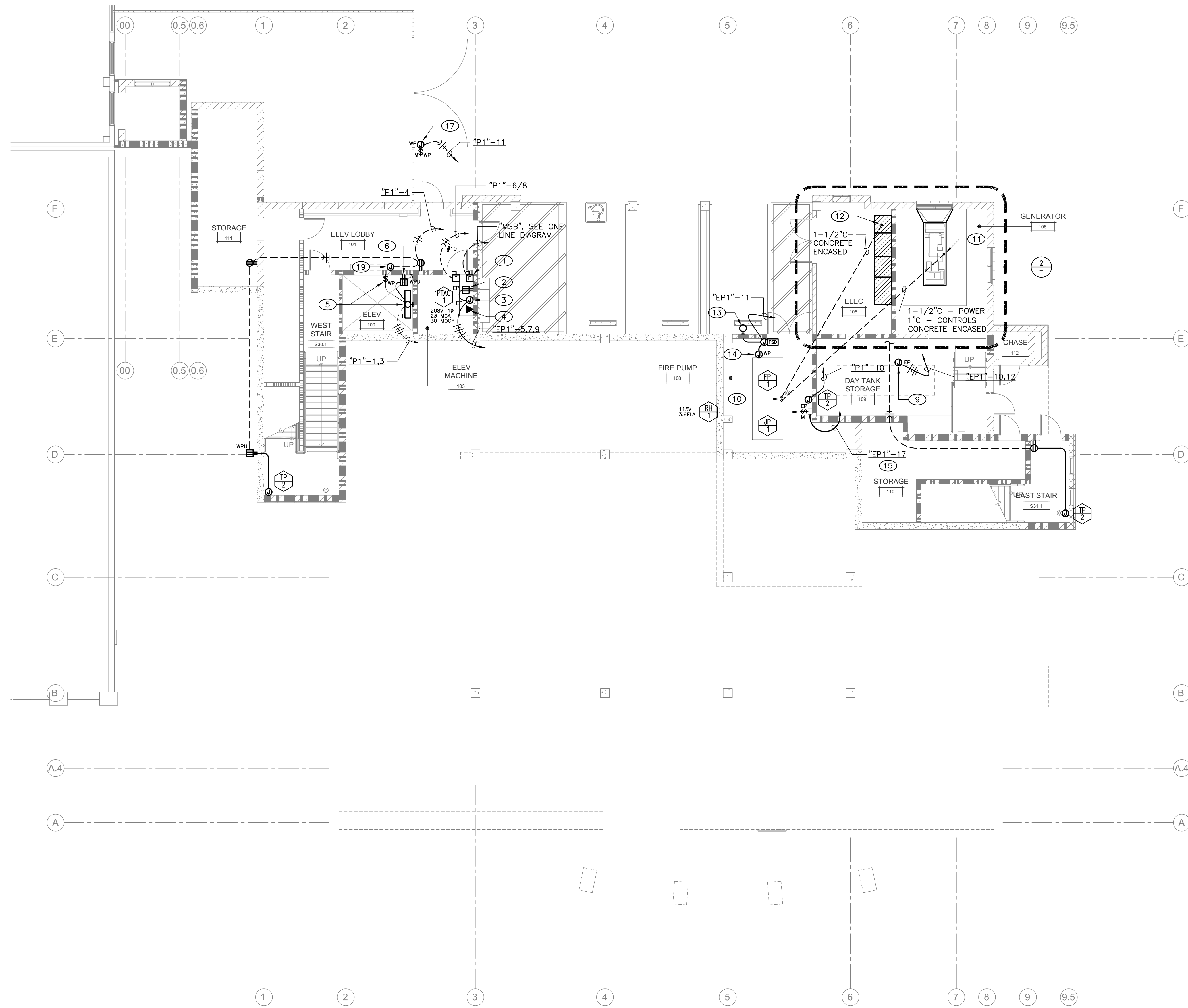
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**Drawn By** BS/RM  
**Date issued** 09.19.2022  
**Scale** 1/8" = 1'-0"  
**Project No.** 16-6421.00

**SHEET No.**  
**ES101 V4**

**1 ELECTRICAL SITE PLAN**  
 SCALE 1/8" = 1'-0"

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 PDF Date: September 20, 2022 - 9:50 am  
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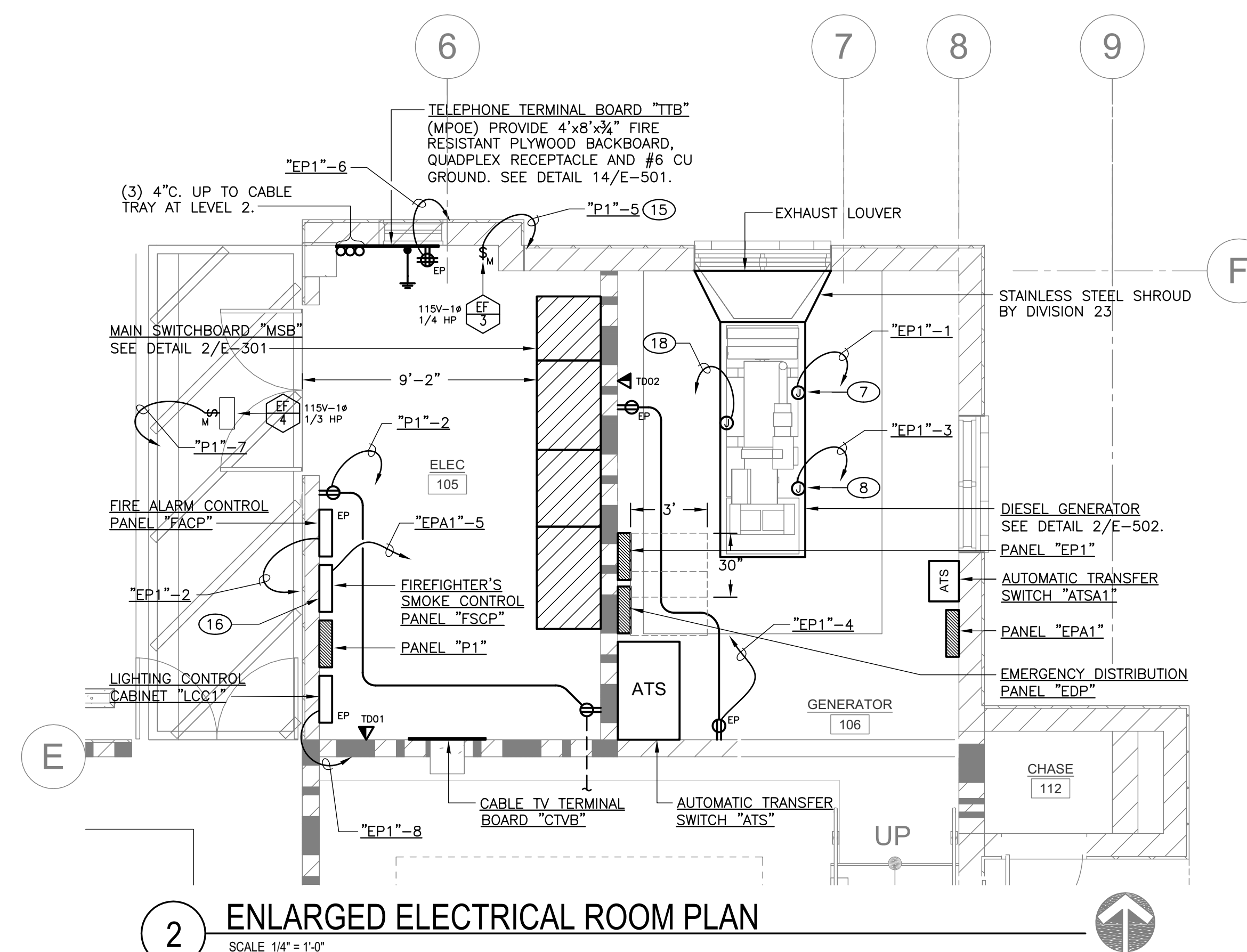


**1 POWER FLOOR PLAN - LEVEL 1**  
SCALE 1/8" = 1'-0"

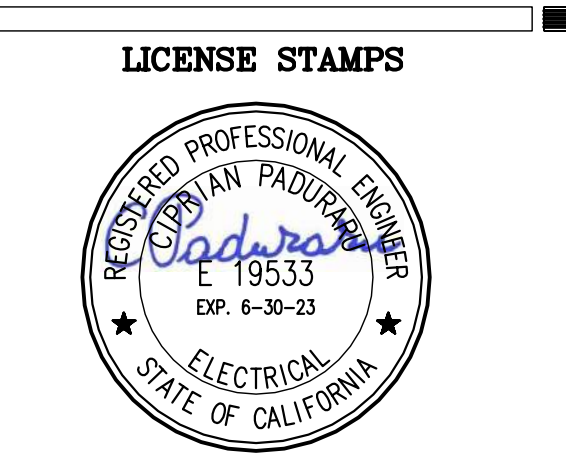
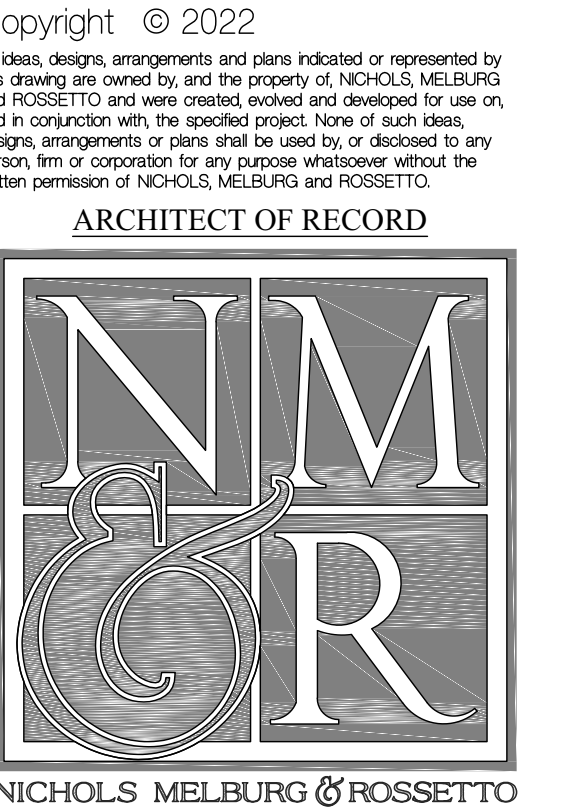
- ### KEY NOTES
- 1 PROVIDE FUSED DISCONNECT SWITCH WITH AUXILIARY CONTACTS FOR ELEVATOR IN ACCORDANCE WITH ELEVATOR SUPPLIER'S REQUIREMENTS. LOCATE AS DIRECTED BY ELEVATOR EQUIPMENT INSTALLER. COORDINATE AT JOBSITE.
  - 2 PROVIDE GFCI SERVICE RECEPTACLE IN ELEVATOR EQUIPMENT ROOM. LOCATE AS DIRECTED BY ELEVATOR EQUIPMENT INSTALLER. COORDINATE AT JOBSITE.
  - 3 PROVIDE JUNCTION BOX WITH DEDICATED CIRCUIT FOR ELEVATOR CAB LIGHTS. LOCATE AS DIRECTED BY ELEVATOR EQUIPMENT INSTALLER. COORDINATE AT JOBSITE.
  - 4 PROVIDE TELEPHONE OUTLET IN ELEVATOR MACHINE ROOM WITH WEATHERPROOF SWITCH IN ELEVATOR PIT. LOCATE AS DIRECTED BY ELEVATOR EQUIPMENT INSTALLER. COORDINATE AT JOBSITE.
  - 5 PROVIDE 4' LED WALL MOUNTED, VAPORTIGHT LIGHT FIXTURE WITH WEATHERPROOF SWITCH IN ELEVATOR PIT. LOCATE AS DIRECTED BY ELEVATOR EQUIPMENT INSTALLER. COORDINATE AT JOBSITE.
  - 6 PROVIDE GFCI SERVICE RECEPTACLE WITH WEATHERPROOF WHILE IN USE COVER IN ELEVATOR PIT. LOCATE AS DIRECTED BY ELEVATOR EQUIPMENT INSTALLER. COORDINATE AT JOBSITE.
  - 7 CONNECT TO GENERATOR BLOCK HEATER, 1500 WATTS, 120V.
  - 8 CONNECT TO GENERATOR BATTERY CHARGER, 1200 WATTS, 120V.
  - 9 PROVIDE DISCONNECT SWITCHES AND RACEWAY SEAL OFFS AND CONNECT TO GENERATOR FUEL SYSTEM FILTRATION PUMP AND CONTROL PANEL. COORDINATE WITH PLUMBING CONTRACTOR AT JOBSITE.
  - 10 STUB CONDUITS INTO FIRE PUMP AUTO TRANSFER SWITCH. COORDINATE WITH EQUIPMENT INSTALLER AT JOBSITE.
  - 11 STUB CONDUIT INTO GENERATOR POWER SECTION.
  - 12 STUB CONDUIT INTO MAIN SWITCHBOARD FIRE PUMP POWER SECTION.
  - 13 PROVIDE POWER TO FIRE SPRINKLER BELL. COORDINATE EXACT LOCATION WITH FIRE SPRINKLER INSTALLER.
  - 14 PROVIDE POWER TO WATER FLOW SWITCH. COORDINATE EXACT LOCATION WITH FIRE SPRINKLER INSTALLER.
  - 15 VIA LINE VOLTAGE THERMOSTAT (FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL). COORDINATE LOCATION WITH MECHANICAL.
  - 16 REFER TO SHEET EF-111 KEYNOTE 1 FOR FIREFIGHTER'S SMOKE CONTROL PANEL CRITERIA.
  - 17 POWER CONNECTION TO SUMP PUMP LOCATED IN MAN HOLE. COORDINATE EXACT LOCATION WITH CIVIL. (2HP, 115V/1Ø, 8A).
  - 18 PROVIDE 1" CONDUIT WITH WIRING TO REMOTE ANNUNCIATOR.
  - 19 POWER CONNECTION TO ELEVATOR SMOKE CURTAIN. COORDINATE EXACT LOCATION ON SITE WITH EQUIPMENT INSTALLER.

### WALL LEGEND

	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED 12" INSULATED CMU NON-BEARING WALL
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
	NON-RATED CONCRETE SITE RETAINING WALL
	3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED METAL STUD WALL
	LINE OF WALL BELOW GRADE



**2 ENLARGED ELECTRICAL ROOM PLAN**  
SCALE 1/4" = 1'-0"



**PROJECT NAME**  
HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER  
876 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**  
POWER PLAN -  
LEVEL 1

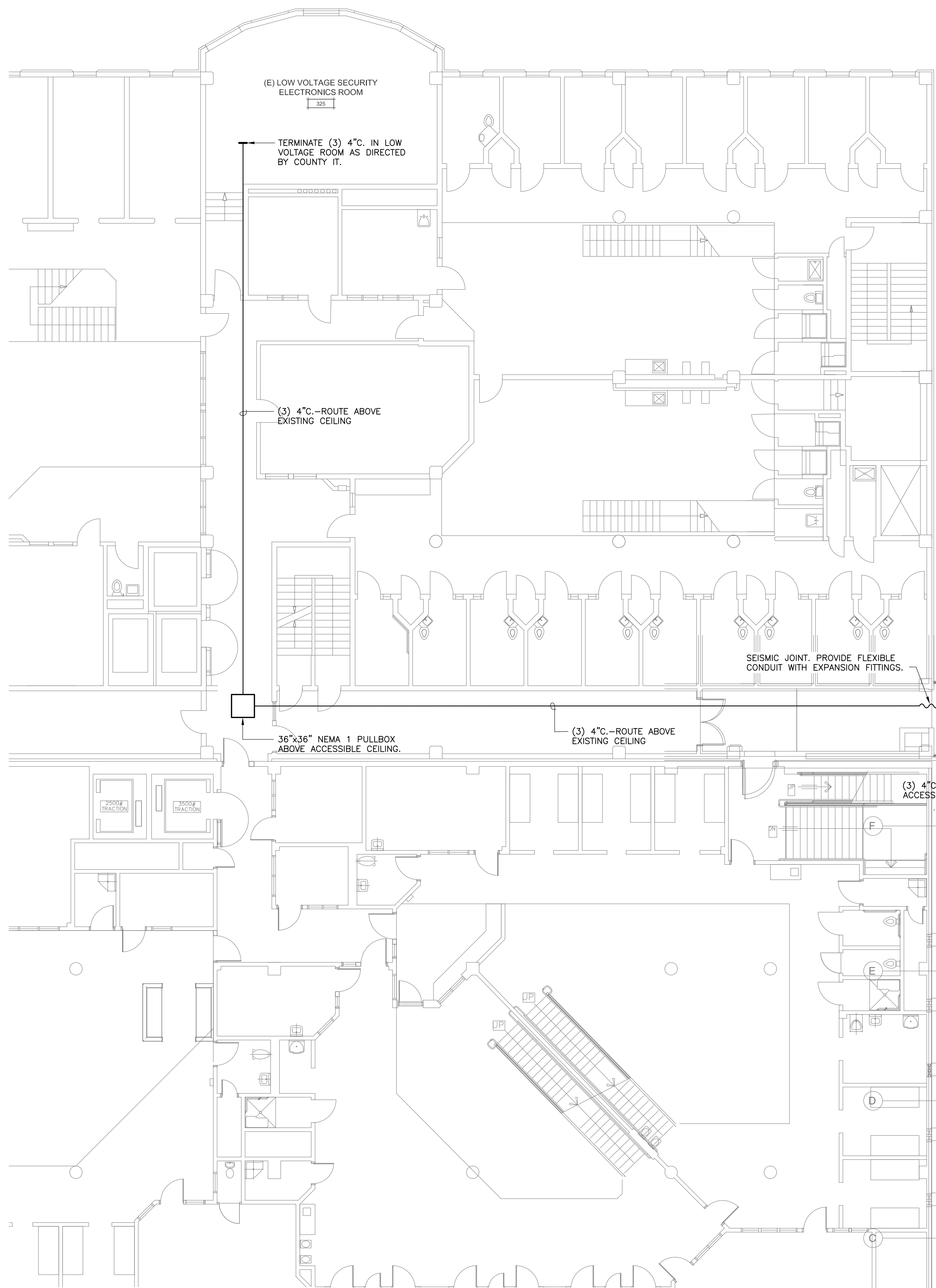
**DRAWING STATUS**  
WORKING DRAWINGS

REVISIONS	
Sym. Description	Date

**Drawn By** BS  
**Date issued** 09.19.2022  
**Scale** 1/8" = 1'-0"  
**Project No.** 16-6421.00

**SHEET No.**  
E-111 V4

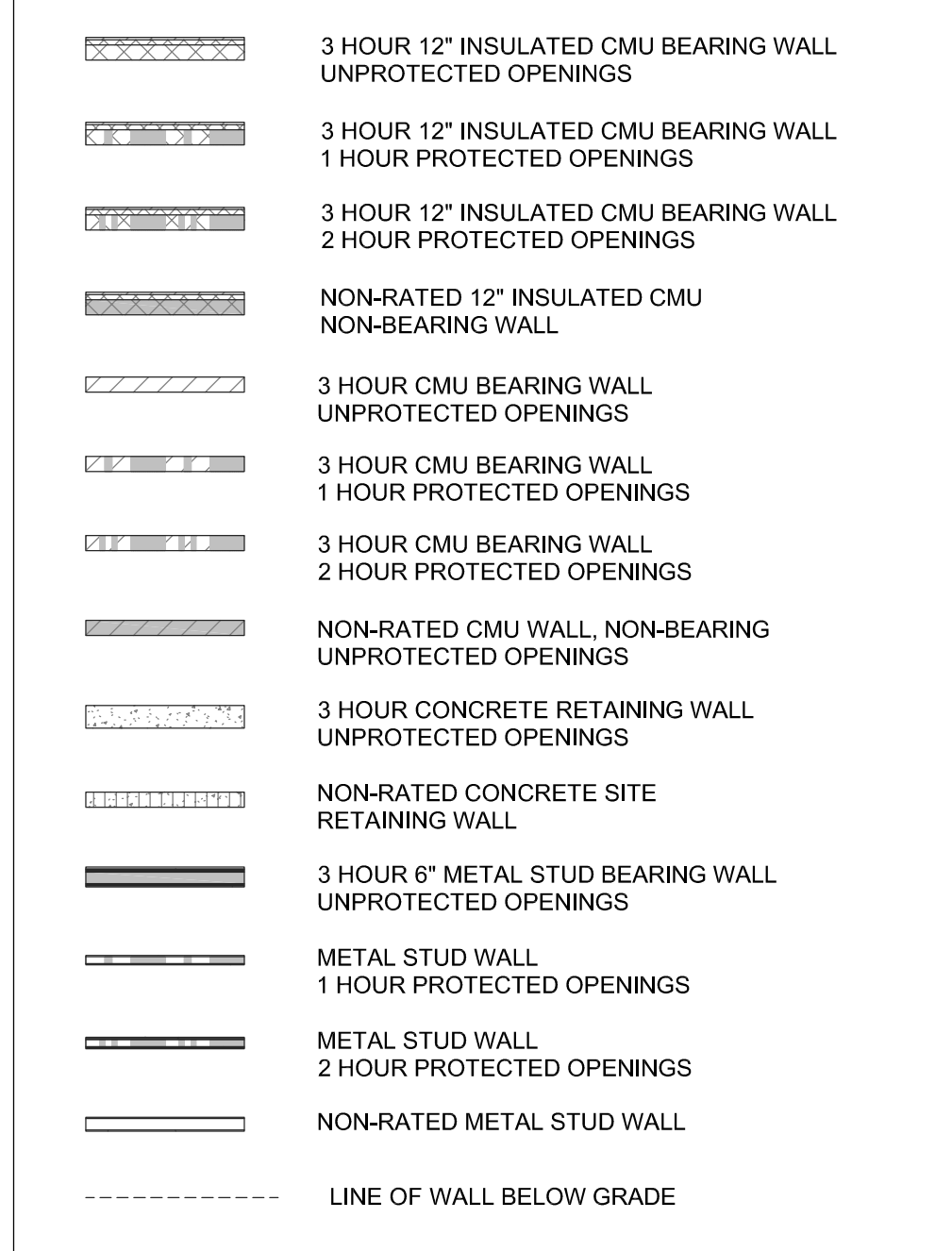




**KEY NOTES**

- ① LOCATE FLUSH FLOOR OUTLET UNDER CONFERENCE TABLE. VERIFY EXACT LOCATION WITH ARCHITECT.
- ② LOCATE POWER AND CABLE OUTLET FOR TV. VERIFY MOUNTING HEIGHT WITH ARCHITECT.
- ③ LOCATE OUTLET ABOVE ACCESSIBLE CEILING WITH 120VAC POWER FOR VAV BOXES. NO MORE THAN FIVE VAV BOXES PER CIRCUIT. COORDINATE BOX LOCATIONS AND QUANTITIES WITH MECHANICAL CONTRACTOR AT JOBSITE.
- ④ LOCATE OUTLET FOR TABLET CHARGING.
- ⑤ STUB (3) 4" C. FROM EXISTING BUILDING INTO CABLE TRAY.
- ⑥ (3) 4" C. FROM CABLE TRAY AT LEVEL 2 TO CABLE TRAY AT LEVEL 3.
- ⑦ STUB (3) 4" C. INTO CABLE TRAY FROM LEVEL 2.
- ⑧ LOCATE POWER AND DATA OUTLETS FOR VIDEO VISITATION STATIONS. PROVIDE DATA CABLE TO IT ROOM 297.6 AT LEVEL 2. COORDINATE EXACT LOCATIONS AND CONNECTION REQUIREMENTS WITH EQUIPMENT INSTALLER AT JOBSITE.
- ⑨ LOCATE OUTLETS BELOW ELECTRONIC MARKER BOARD FOR POWER AND DATA. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS. PROVIDE HDMI OUTLET BELOW MARKER BOARD FOR LAPTOP CONNECTIVITY. SEE DETAIL 1/E-502.
- ⑩ MAGNETIC DOOR HOLD.
- ⑪ POWER CONNECTION TO ELEVATOR SMOKE CURTAIN. COORDINATE EXACT LOCATION ON SITE WITH EQUIPMENT INSTALLER.

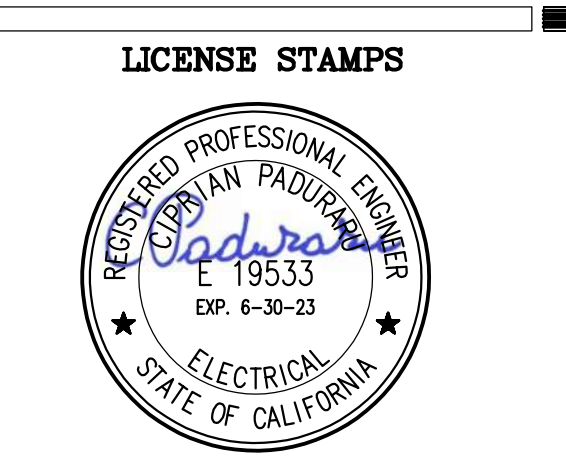
**WALL LEGEND**



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 Job #: 17-2264



**PROJECT NAME**  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 876 5th STREET  
 EUREKA, CA 95601

**SHEET TITLE**  
**POWER PLAN - LEVEL 3**

**DRAWING STATUS**  
**WORKING DRAWINGS**

**REVISIONS**

Sym.	Description	Date

**Drawn By** BS  
**Date issued** 09.19.2022  
**Scale** 1/8" = 1'-0"  
**Project No.** 16-6421.00

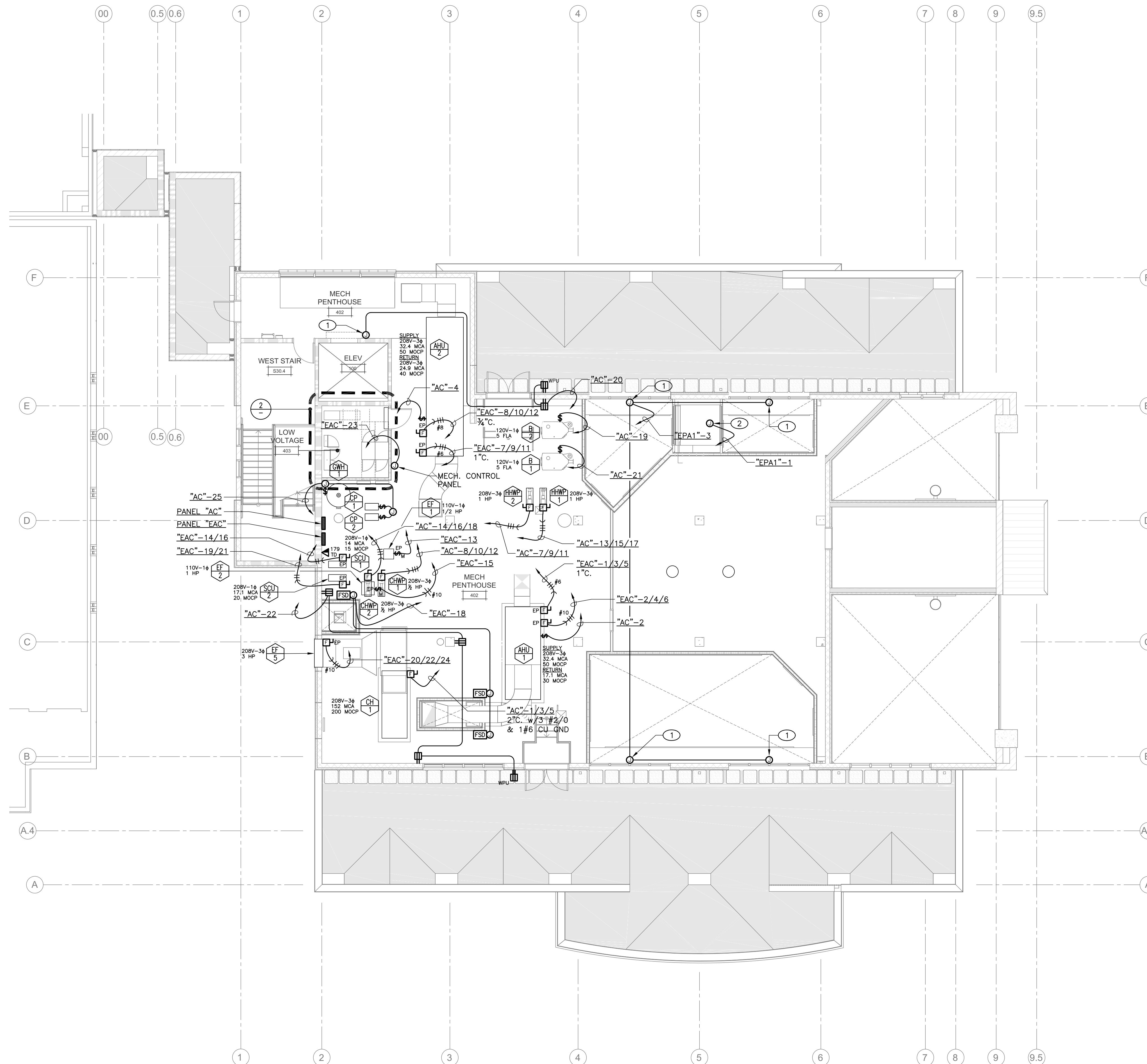
**SHEET No.**  
**E-113 V4**

**2 ENLARGED ELECTRICAL ROOM PLAN**  
 SCALE 1/4" = 1'-0"

**1 POWER FLOOR PLAN - LEVEL 3**  
 SCALE 1/8" = 1'-0"

LIONAKIS CONSULTANTS  
 PLOT Date: October 04, 2022 4:29 PM  
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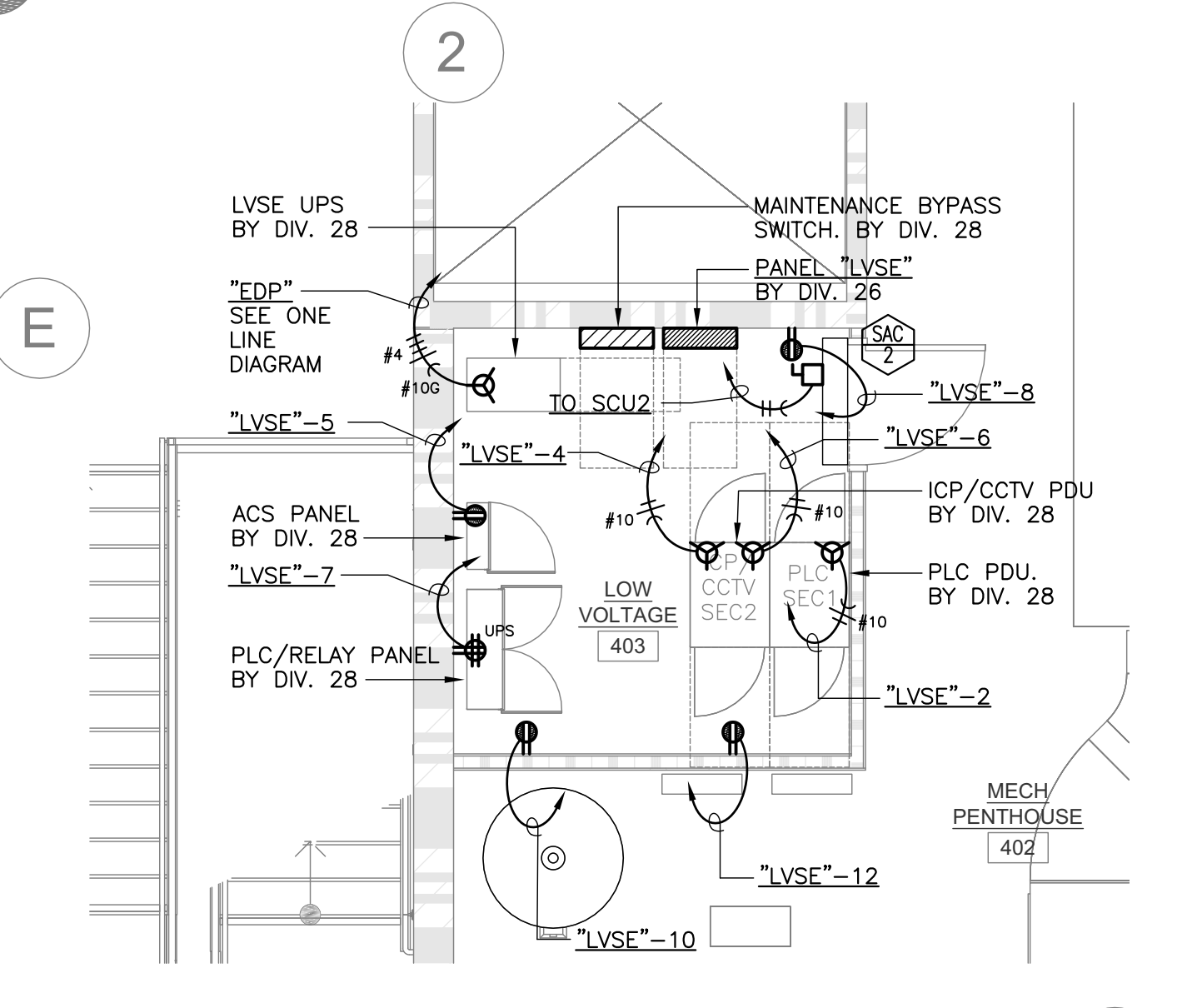
**1 POWER PLAN - ROOF**  
SCALE 1/8" = 1'-0"

### WALL LEGEND

	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED 12" INSULATED CMU NON-BEARING WALL
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED CMU WALL NON-BEARING UNPROTECTED OPENINGS
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
	NON-RATED CONCRETE SITE RETAINING WALL
	3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED METAL STUD WALL
	LINE OF WALL BELOW GRADE

- ### GENERAL NOTES
- REFER TO MECHANICAL DRAWINGS FOR EXACT HVAC EQUIPMENT LOCATIONS AND SPECIFICATIONS. VERIFY EQUIPMENT WIRE SIZE, CONDUIT SIZES, CIRCUIT BREAKER AND DISCONNECT SIZES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN OF ELECTRICAL.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE ROOF JACKS FOR POWER AND 3/4" CONTROL CONDUITS TO ROOF MOUNTED HVAC EQUIPMENT. PROVIDE CONTROL CONDUIT FROM EACH UNIT TO THERMOSTAT LOCATIONS. SEE MECHANICAL DRAWINGS FOR THERMOSTAT LOCATIONS.
  - ALL CONNECTIONS TO HVAC EQUIPMENT SHALL BE MADE WITH COPPER CONDUCTORS ONLY. SIZE CONDUCTORS PER UNIT NAMEPLATE SPECIFICATIONS. VERIFY PRIOR TO INSTALLATION OF CONDUCTORS.
  - ALL DISCONNECT SWITCHES SHALL BE FUSIBLE NEMA 3R, SIZE AS REQUIRED. ALL HVAC UNITS SHALL BE FUSED PER EQUIPMENT NAMEPLATE SPECIFICATIONS. ELECTRICAL CONTRACTOR SHALL VERIFY DISCONNECT AND FUSE SIZING WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING MATERIALS.
  - ALL FUSES FOR THIS PROJECT SHALL BE BUSSMAN CLASS RK5 DUAL ELEMENT CURRENT LIMITING WITH AMPERAGES AS INDICATED OR REQUIRED.
  - NO CONDUIT SHALL BE RUN ON ROOF OR ON FLOOR OF MECHANICAL ROOM. APPROPRIATE ROOF JACKS SHALL BE PROVIDED FOR ALL ROOF PENETRATIONS. COORDINATE WITH MECHANICAL CONTRACTOR AT JOBSITE. ENTER UNITS WITHIN ROOF CURBS WHERE POSSIBLE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY LOCATING ROOF AND MECHANICAL ROOM FLOOR PENETRATIONS.
  - LOCATE NEMA 3R ROOF RECEPTACLES SO THAT NO MECHANICAL UNIT IS FURTHER THAN 20' FROM A RECEPTACLE. PROVIDE ALL NECESSARY HARDWARE FOR RECEPTACLE OUTLET SUPPORT.
  - REFER TO MECHANICAL DRAWINGS FOR CONTROL WIRING. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND FLOOR PENETRATIONS FOR CONTROL WIRING AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR AT JOBSITE.
  - FIRE SEAL ALL FIRE ASSEMBLY PENETRATIONS FOR CONDUITS WITH AN APPROVED FIRE SEALANT AFTER CONDUIT INSTALLATION. FIRE SEAL SHALL PROVIDE EQUAL FIRE RATING AS ASSEMBLY PENETRATED.

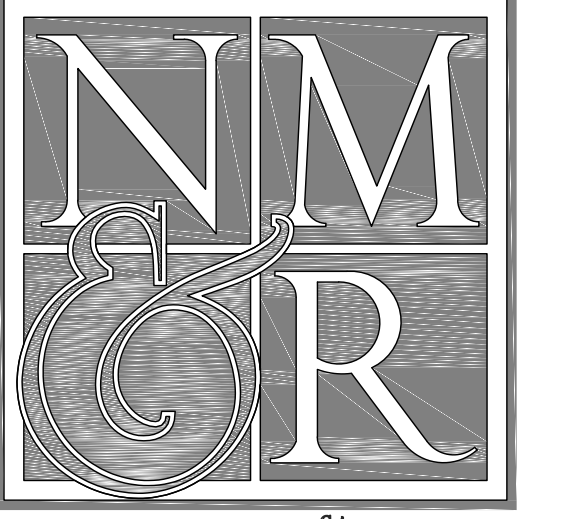
- ### KEY NOTES
- POWER CONNECTION TO OPERABLE WINDOW POWER SUPPLY. COORDINATE EXACT LOCATIONS AND QUANTITY WITH WINDOW INSTALLER AND SECURITY.
  - POWER CONNECTION TO MOTORIZED CONTROL DAMPER. DAMPER SHALL OPEN UPON FIRE ALARM ACTIVATION. COORDINATE ALL REQUIREMENTS WITH MECHANICAL.
  - POWER CONNECTION TO ELEVATOR SMOKE CURTAIN. COORDINATE EXACT LOCATION ON SITE WITH EQUIPMENT INSTALLER.



**2 ENLARGED LVSE ROOM PLAN**  
SCALE 1/4" = 1'-0"

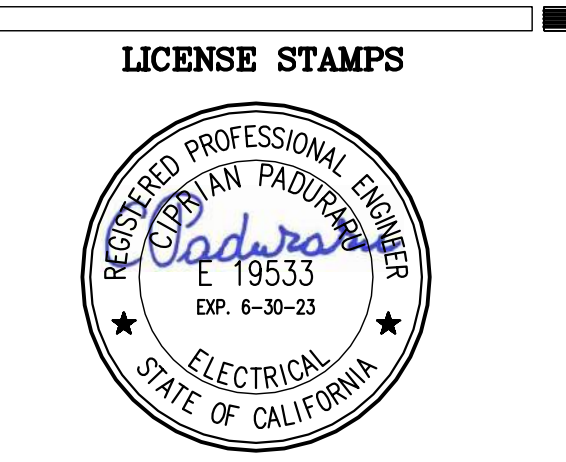


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Roseville, CA 95678  
p 916-771-0778  
www.lpsengineering.com  
Job #: 17-2264



**PROJECT NAME**  
HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER  
876 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**  
POWER PLAN -  
ROOF

**DRAWING STATUS**  
WORKING DRAWINGS

### REVISIONS

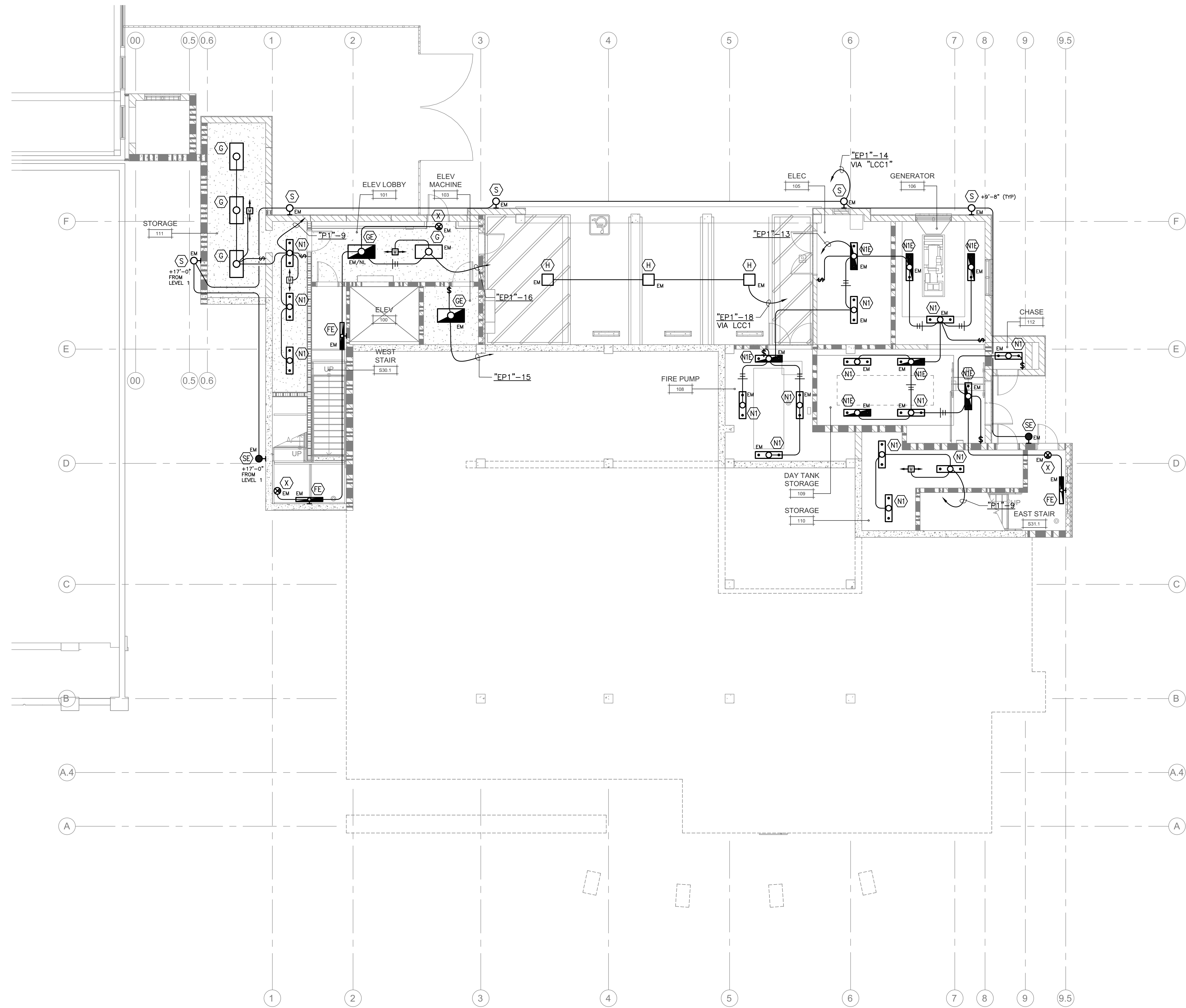
Sym.	Description	Date

**Drawn By** BS  
**Date issued** 09.19.2022  
**Scale** 1/8" = 1'-0"  
**Project No.** 16-6421.00

**SHEET No.**  
**E-114 V4**

User: New 10/28/22  
 Plot Date: September 20, 2022 - 8:50 am  
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**1 LIGHTING PLAN - LEVEL 1**  
 SCALE 1/8" = 1'-0"

**WALL LEGEND**

- 3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
- 3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
- 3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED 12" INSULATED CMU NON-BEARING WALL
- 3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
- 3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
- NON-RATED CONCRETE SITE RETAINING WALL
- 3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
- METAL STUD WALL 1 HOUR PROTECTED OPENINGS
- METAL STUD WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED METAL STUD WALL
- LINE OF WALL BELOW GRADE



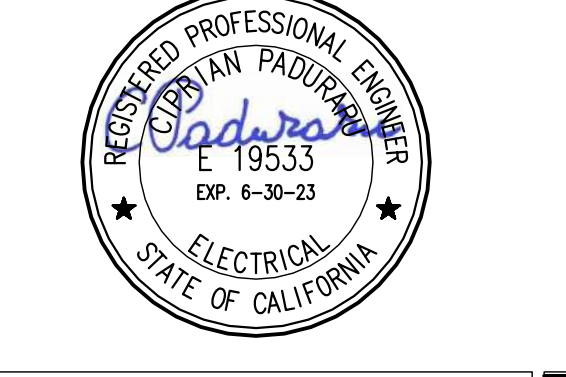
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**LICENSE STAMPS**



**PROJECT NAME**  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 876 5th STREET  
 EUREKA, CA 95501

**SHEET TITLE**  
 LIGHTING PLAN  
 - ROOF

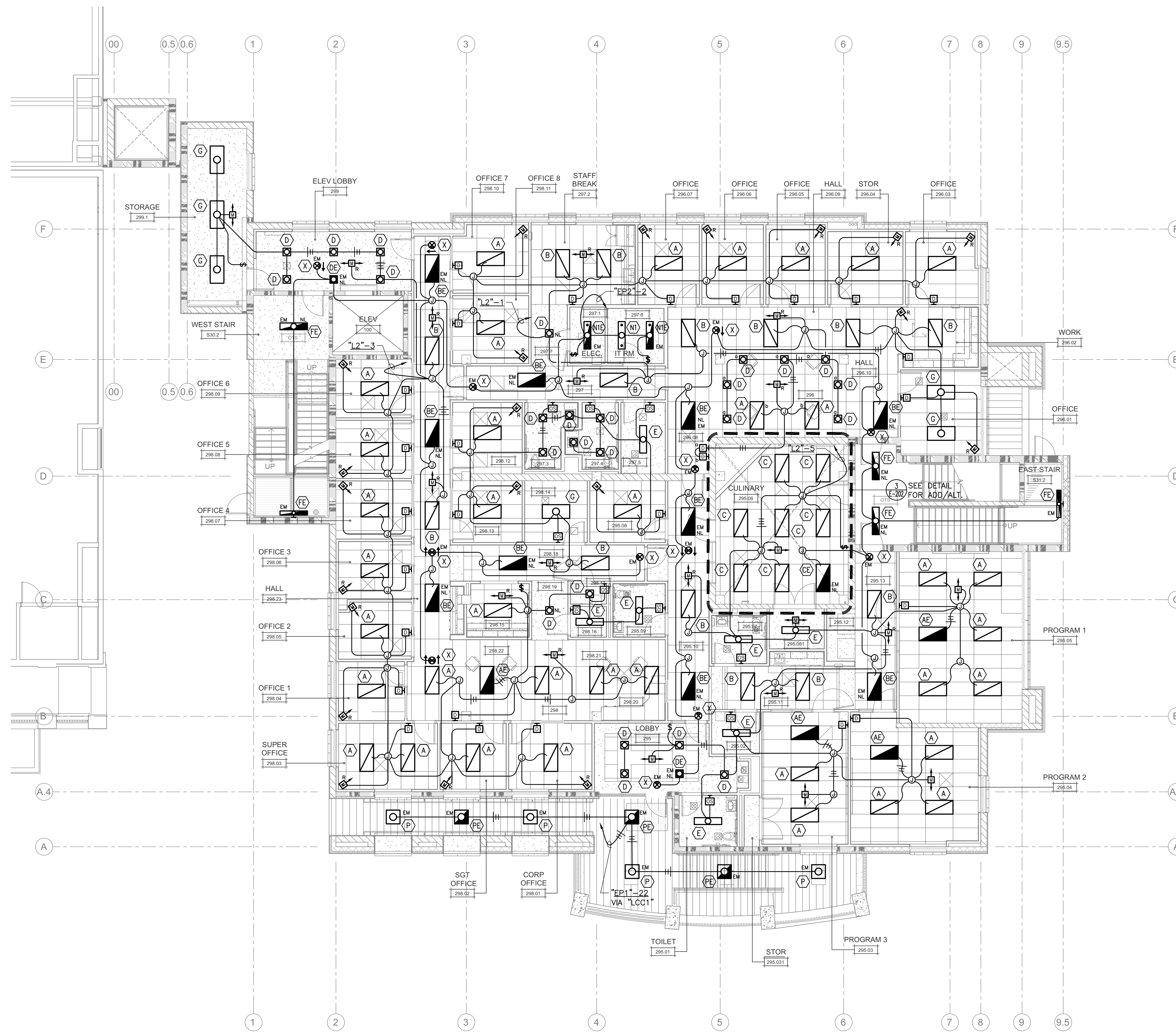
**DRAWING STATUS**  
 WORKING DRAWINGS

**REVISIONS**

Sym.	Description	Date

<b>Drawn By</b>	BS
<b>Date issued</b>	09.19.2022
<b>Scale</b>	1/8" = 1'-0"
<b>Project No.</b>	16-6421.00

**SHEET No.**  
**E-121 V4**



1 LIGHTING PLAN - LEVEL 2  
SCALE 1/8" = 1'-0"

WALL LEGEND

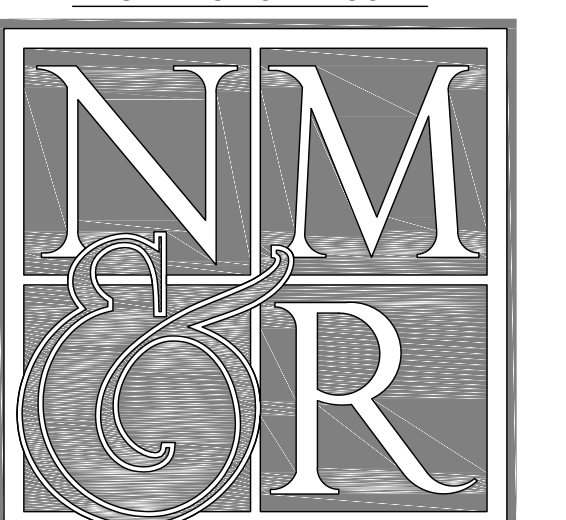
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- 3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED 12" INSULATED CMU NON-BEARING WALL
- 3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED CMU WALL NON-BEARING UNPROTECTED OPENINGS
- 3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
- NON-RATED CONCRETE SITE RETAINING WALL
- 3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
- METAL STUD WALL 1 HOUR PROTECTED OPENINGS
- METAL STUD WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED METAL STUD WALL
- LINE OF WALL BELOW GRADE

GENERAL NOTES

1. ALL OCCUPANCY SENSORS SHALL BE PROVIDED WITH AUXILIARY RELAY FROM C CONTACTS FOR INTERFACE WITH LOCAL CONTROL OF MECHANICAL VAV BOXES. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AT JOBSITE AND PROVIDE THE REQUIRED CONTROL WIRING. FOR OCCUPANCY CONTROL OF LOCAL VAV BOXES.



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www.lpengineers.com  
Job #: 17-2264

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
876 5th STREET  
EUREKA, CA 95501

SHEET TITLE

LIGHTING PLAN  
- LEVEL 2

DRAWING STATUS

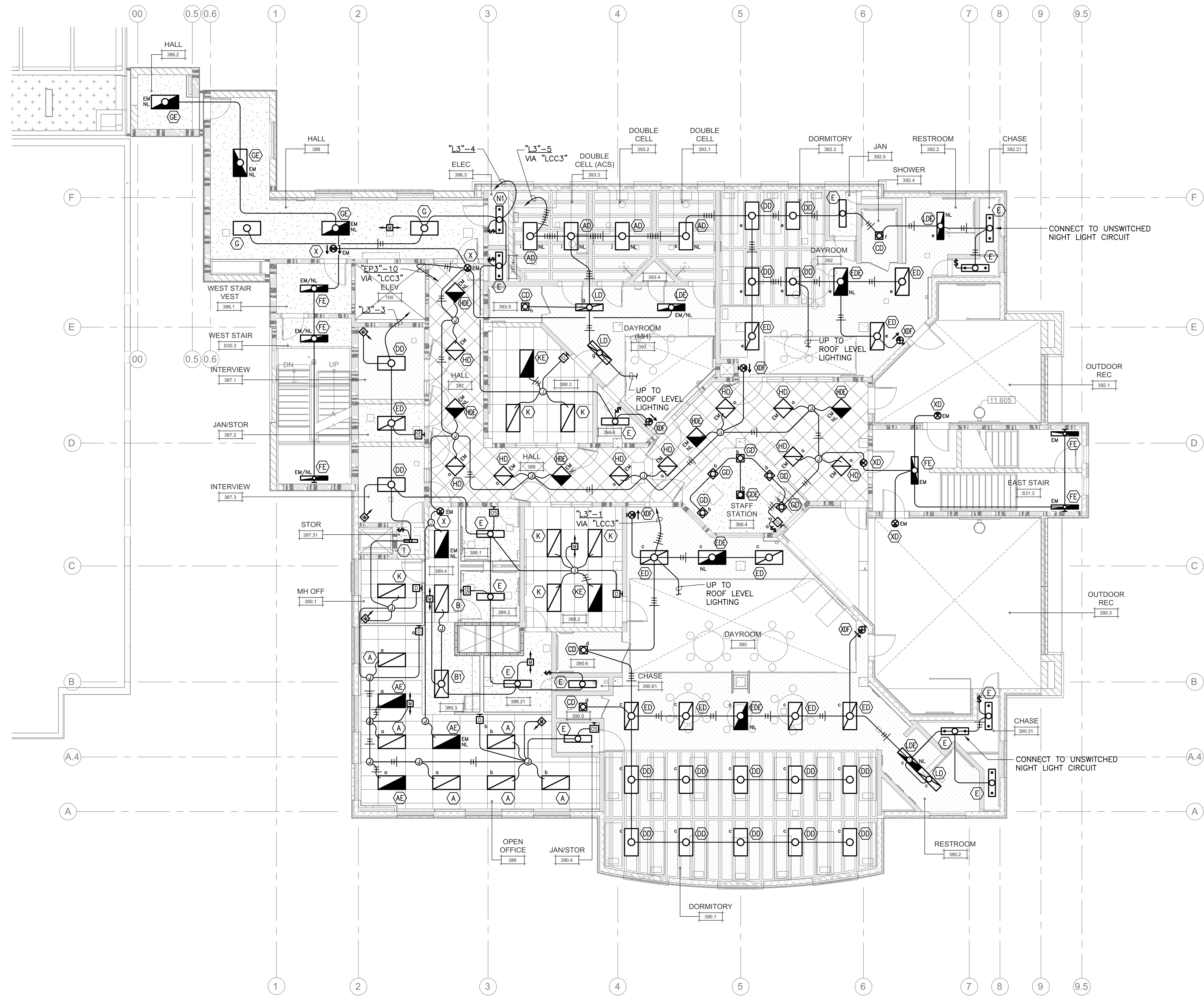
WORKING DRAWINGS

REVISIONS

Sym.	Description	Date

Drawn By	BS
Date issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**E-122 V4**



1 LIGHTING PLAN - LEVEL 3  
SCALE 1/8" = 1'-0"

### WALL LEGEND

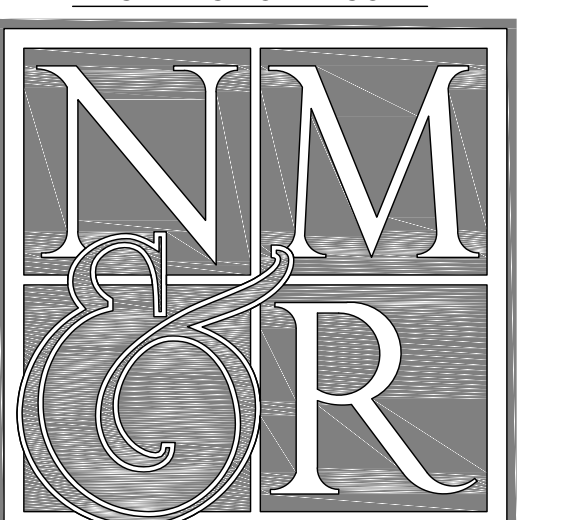
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	NON-RATED 12" INSULATED CMU NON-BEARING WALL
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED CMU WALL NON-BEARING UNPROTECTED OPENINGS
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
	NON-RATED CONCRETE SITE RETAINING WALL
	3 HOUR 8" METAL STUD BEARING WALL UNPROTECTED OPENINGS
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED METAL STUD WALL
	LINE OF WALL BELOW GRADE

### GENERAL NOTES

1. ALL OCCUPANCY SENSORS SHALL BE PROVIDED WITH AUXILIARY RELAY FROM C CONTACTS FOR INTERFACE WITH LOCAL CONTROL OF MECHANICAL VAV BOXES. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AT JOBSITE AND PROVIDE THE REQUIRED CONTROL WIRING FOR OCCUPANCY CONTROL OF LOCAL VAV BOXES.



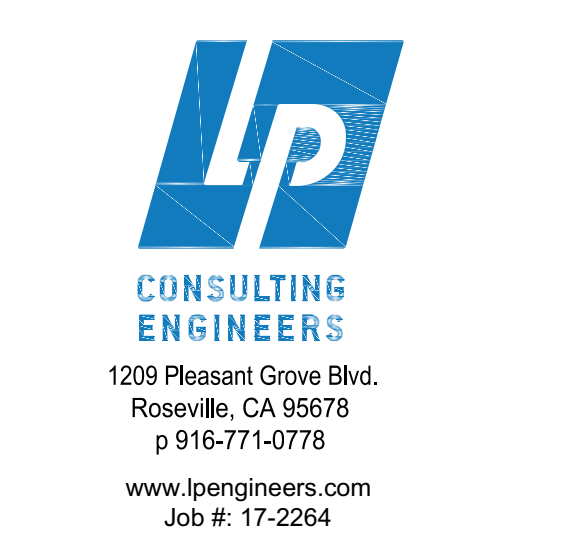
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CONSULTING ARCHITECT  
**LIONAKIS**

CONSULTANTS



### LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
876 5th STREET  
EUREKA, CA 95501

SHEET TITLE

LIGHTING PLAN  
- LEVEL 3

DRAWING STATUS

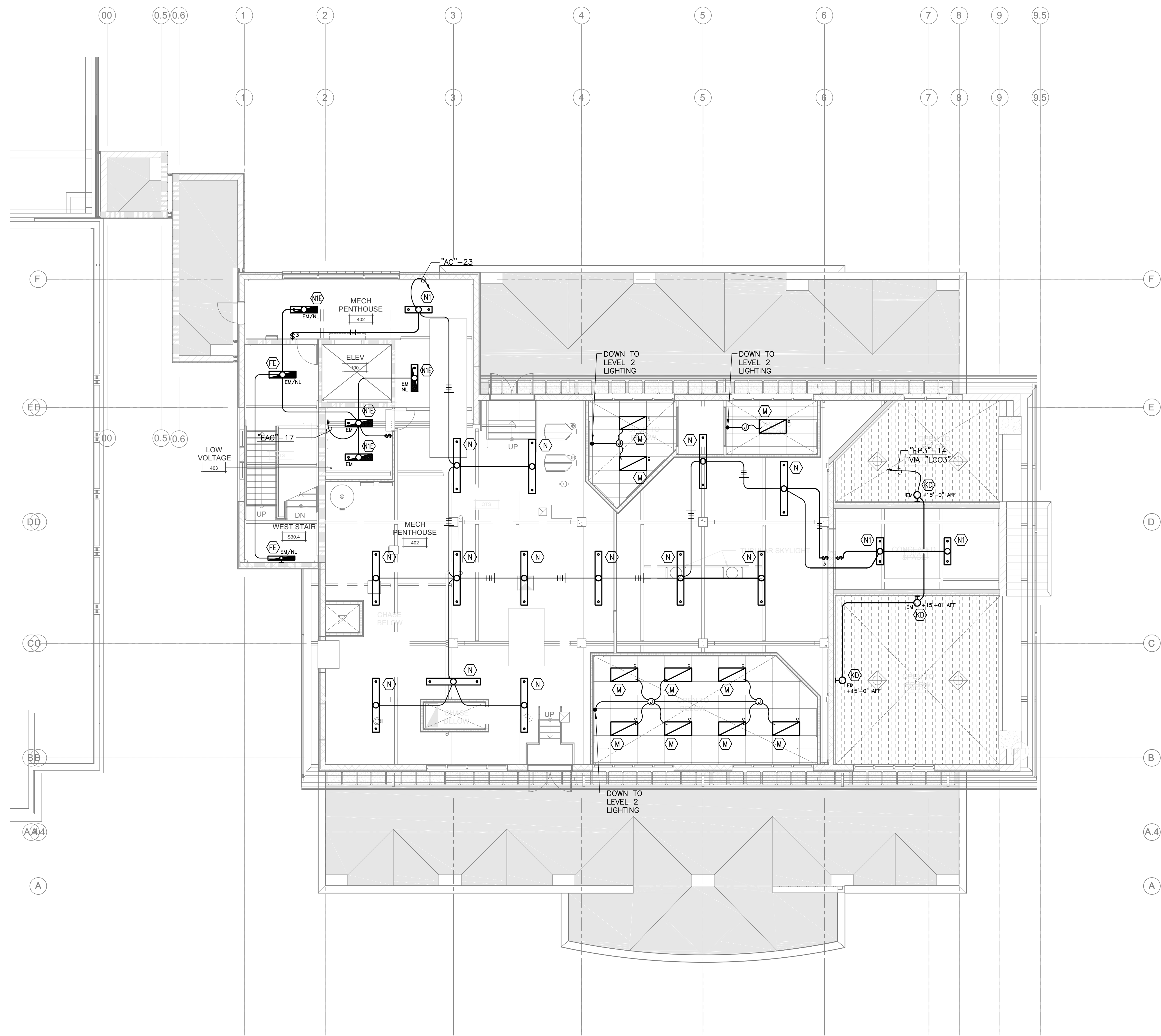
WORKING DRAWINGS

### REVISIONS

Sym.	Description	Date

Drawn By	BS
Date issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**E-123 V4**



**1 LIGHTING PLAN - ROOF**  
SCALE 1/8" = 1'-0"

### WALL LEGEND

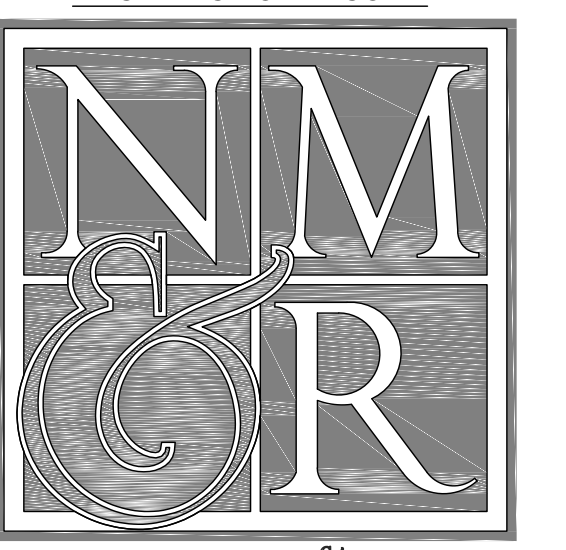
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	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED 12" INSULATED CMU NON-BEARING WALL
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
	NON-RATED CONCRETE SITE RETAINING WALL
	3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED METAL STUD WALL
	LINE OF WALL BELOW GRADE

### GENERAL NOTES

- COORDINATE EXACT LOCATIONS FOR ALL LIGHTING FIXTURES WITH MECHANICAL CONTRACTOR AT JOBSITE TO AVOID CONFLICTS WITH MECHANICAL AND PLUMBING EQUIPMENT, PIPING SYSTEMS AND DUCT WORK. INSTALL FIXTURES AT +10'-0" AFF.



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Job #: 17-2264

### LICENSE STAMPS



**PROJECT NAME**  
**HUMBOLDT COUNTY**  
**COMMUNITY**  
**CORRECTIONS**  
**RE-ENTRY**  
**RESOURCE CENTER**  
876 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**  
**LIGHTING PLAN**  
**- ROOF**

**DRAWING STATUS**  
**WORKING DRAWINGS**

### REVISIONS

Sym.	Description	Date

**Drawn By** BS  
**Date issued** 09.19.2022  
**Scale** 1/8" = 1'-0"  
**Project No.** 16-6421.00

**SHEET No.**  
**E-124 V4**

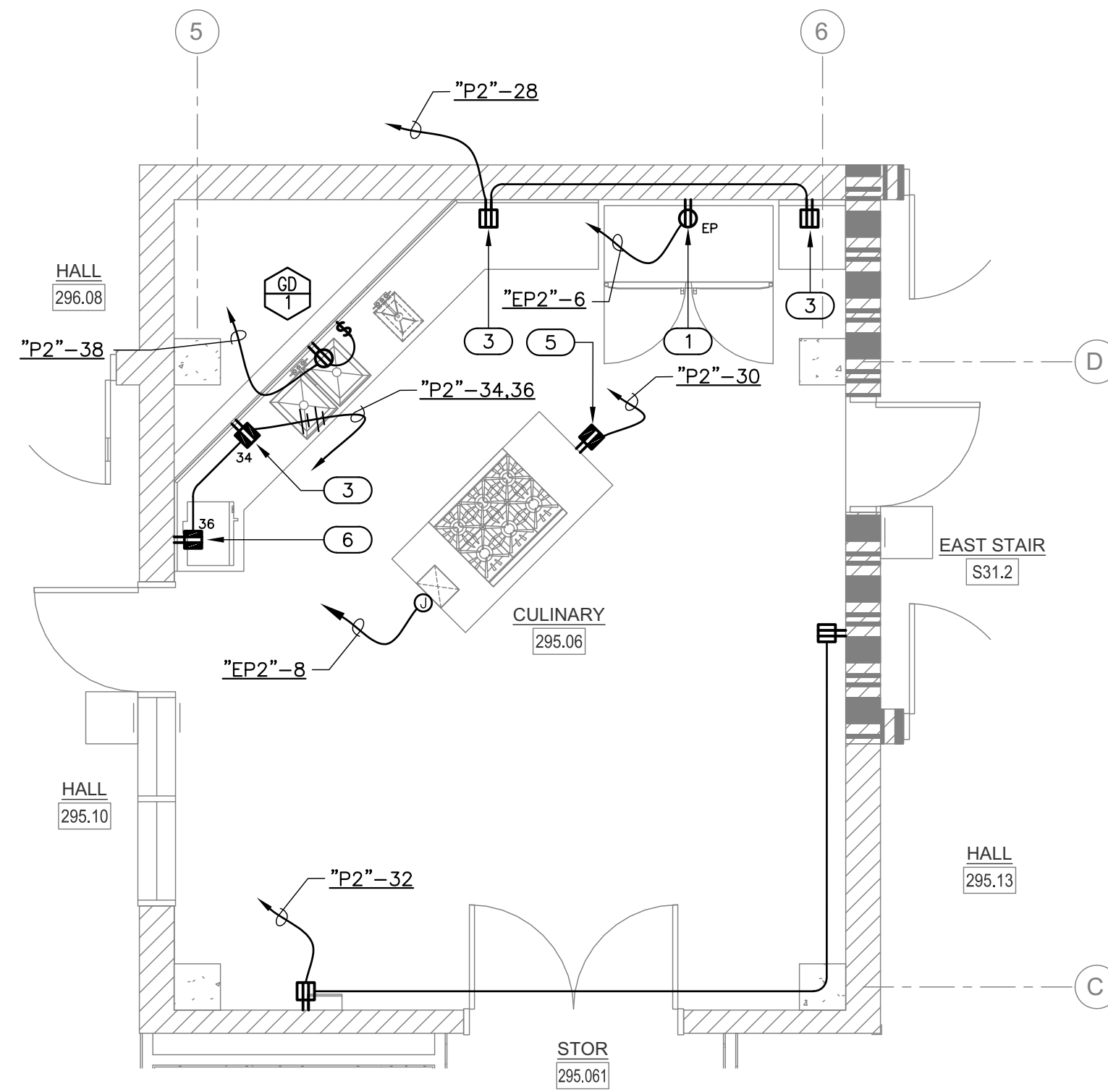
LIONAKIS, NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS  
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 Plot Date: September 20, 2022 - 9:50 am  
 Plot Path: P:\Projects\160307 LP\Projects\17-2264 Humboldt County Reentry Facility\Discipline Sheets\172264\_LF-14.dwg

ELECTRICAL ROUGH-IN SCHEDULE												
ITEM	QTY	DESCRIPTION	CONNECTED LOAD						HT	C&P	RECEP	HW
			120/1	120/208/1	120/208/3	208/1	208/3	480/3				
1	1	REFRIGERATOR										*
3	1	BACK COUNTER WITH SINKS	4 AMP					88"			*	
5	1	COOKING COUNTER	4 AMP					FA			*	
6	1	MICROWAVE	13 AMP					48"			*	

ABBREVIATIONS:			
C&P	CORD AND PLUG	STUB	UTILITY UP FROM FLOOR
RECP	RECEPTACLE	DC	DROP CORD WITH RECEPTACLE
HW	HARDWARE		
HT	HEIGHT		
FA	FROM ABOVE		

SCHEDULE / DRAWING NOTES:  
CONNECTED LOAD = EACH CONNECTION AS SHOWN ON DRAWING  
CONNECTION TYPES PROVIDED BY ELECTRICAL DIVISION

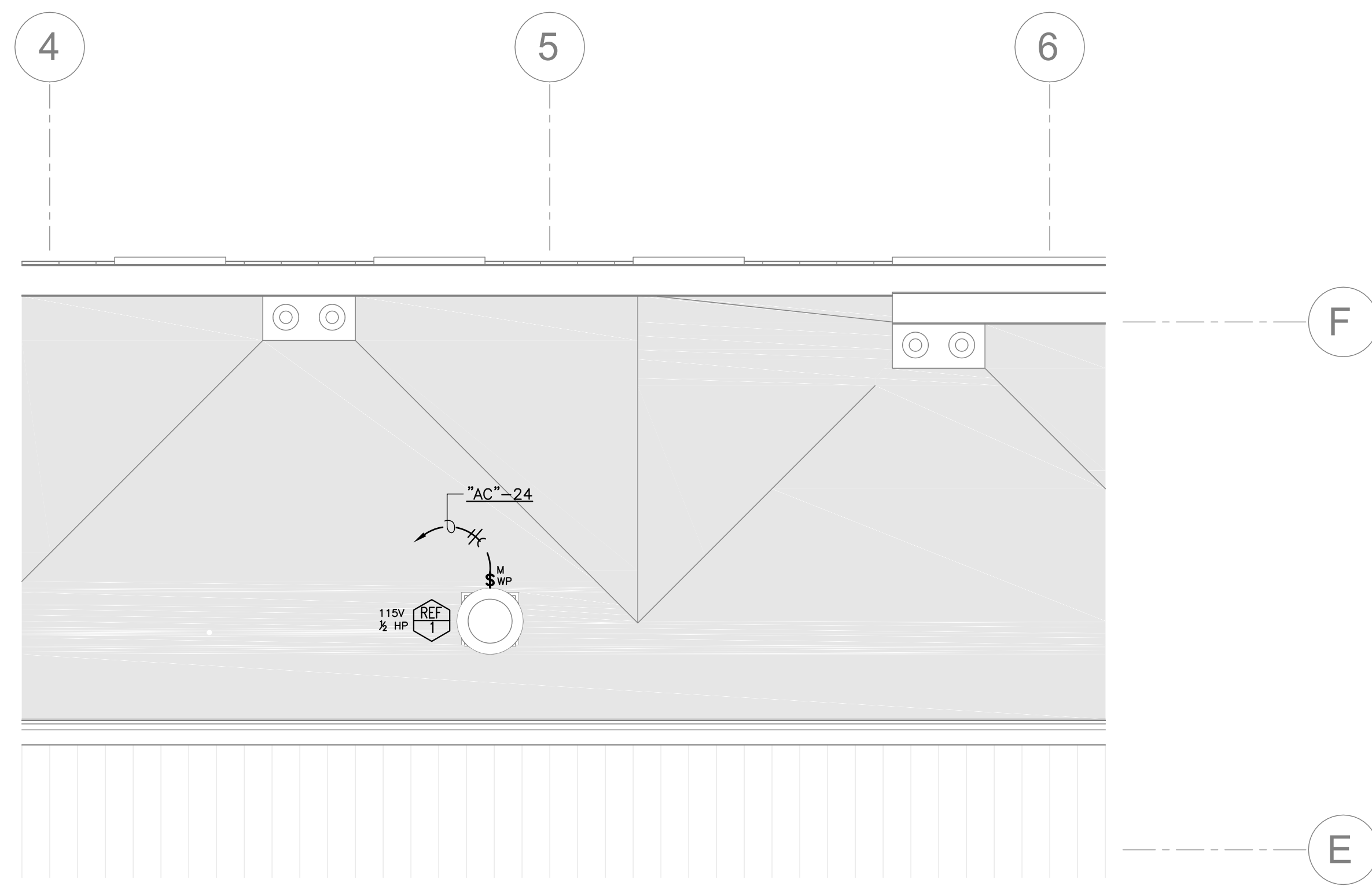


1 CULINARY CLASSROOM EQUIPMENT POWER PLAN - LEVEL 2  
SCALE 1/4" = 1'-0"

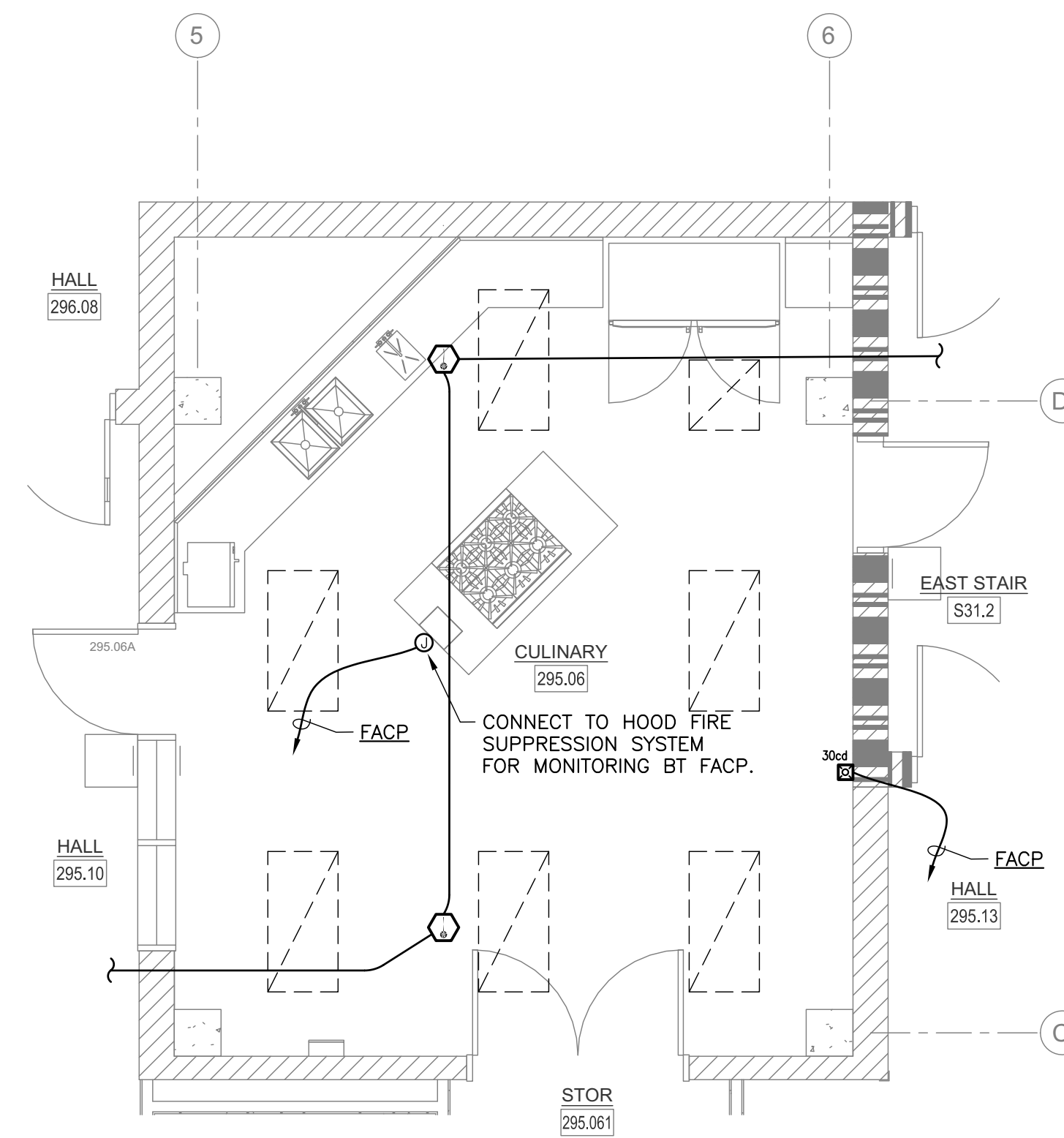
### WALL LEGEND

- 3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
- 3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
- 3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED 12" INSULATED CMU NON-BEARING WALL
- 3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
- 3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
- NON-RATED CONCRETE SITE RETAINING WALL
- 3 HOUR 8" METAL STUD BEARING WALL UNPROTECTED OPENINGS
- METAL STUD WALL 1 HOUR PROTECTED OPENINGS
- METAL STUD WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED METAL STUD WALL
- LINE OF WALL BELOW GRADE

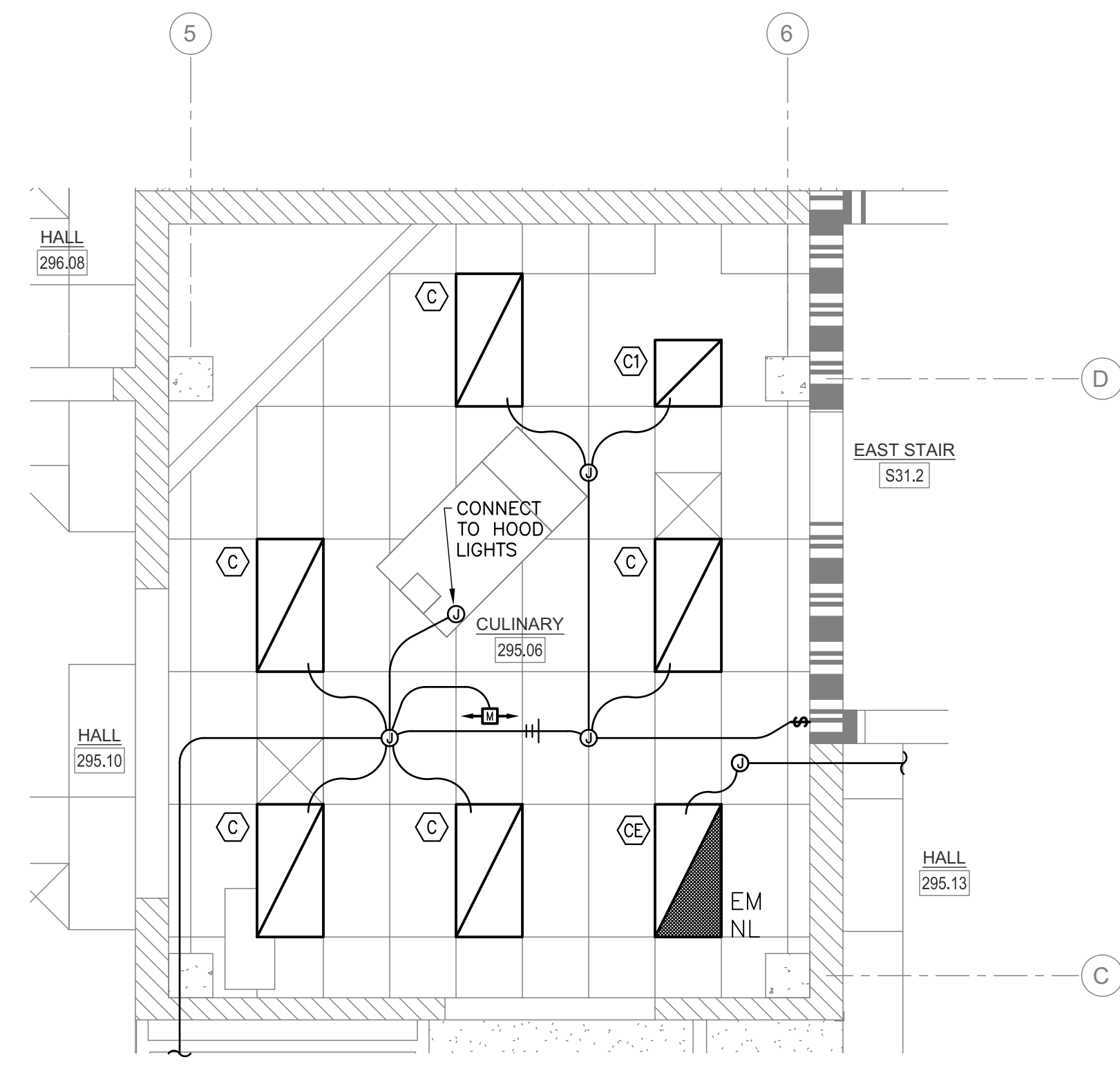
- ### GENERAL NOTES
- ALL MATERIALS AND METHODS OF INSTALLATION SHALL CONFORM TO APPLICABLE CODES AND ORDINANCES.
  - ALL WIRE SHALL BE COPPER ONLY.
  - VERIFY LOCATIONS OF ELECTRICAL SUB-UPS FOR REFRIGERATED CASES, TABLES AND OUTLETS WITH REFRIGERATION EQUIPMENT INSTALLER AT JOBSITE PRIOR TO FLOOR POUR.
  - VERIFY LOCATIONS OF ALL THERMOSTATS, SOLENOIDS AND OTHER ELECTRICAL CONTROLS WITH THE REFRIGERATION AND/OR AIR CONDITIONING CONTRACTORS PRIOR TO ROUGH-IN.
  - FURNISH AND INSTALL ALL CONDUIT, WIRE, OUTLETS, ETC. FOR ALL KITCHEN EQUIPMENT AS REQUIRED. THIS EQUIPMENT IS FURNISHED AND INSTALLED BY OTHERS, CONNECTED BY THE ELECTRICAL CONTRACTOR.
  - ALL RECEPTACLES INSTALLED IN KITCHEN AND WASH DOWN AREAS SHALL BE GFCI PROTECTED AND HAVE WEATHERPROOF WHILE IN USE COVERS.
  - THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HOOD FIRE SUPPRESSION SYSTEM CONTROL WIRING. PROVIDE CONDUIT, WIRE, RELAYS, CONTACTORS, ETC. AS REQUIRED TO MAKE ALL CONNECTIONS AND INTERLOCKS IN CONFORMANCE WITH ALL APPLICABLE CODES. PROVIDE FOR DE-ENERGIZING ALL ELECTRICAL OUTLETS AND GAS SOLENOID VALVES UNDER HOODS AS REQUIRED.



4 CULINARY CLASSROOM POWER PLAN - ROOF  
SCALE 1/4" = 1'-0"



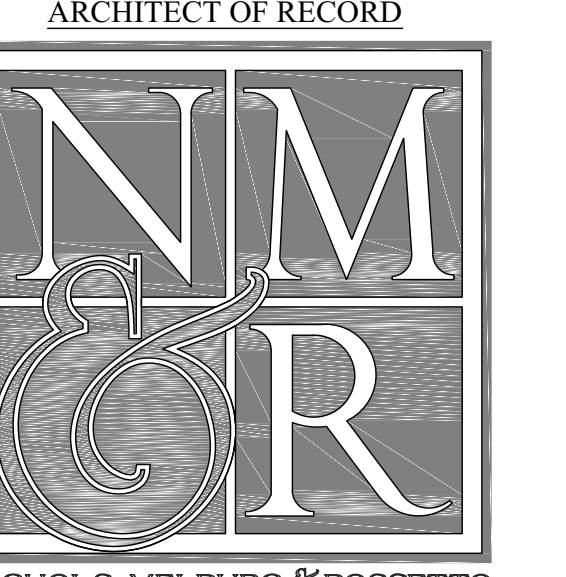
2 CULINARY CLASSROOM FIRE ALARM PLAN - LEVEL 2  
SCALE 1/4" = 1'-0"



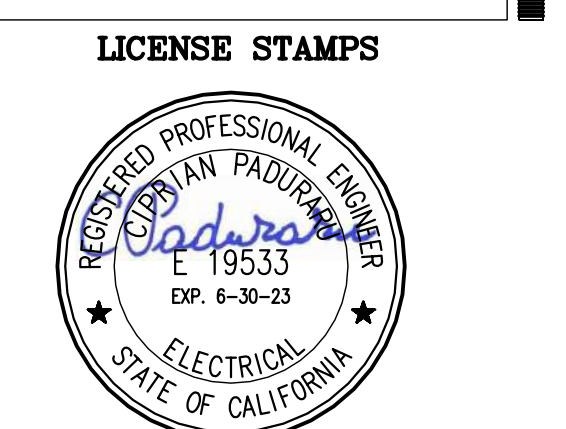
3 CULINARY CLASSROOM LIGHTING PLAN - LEVEL 2  
SCALE 1/4" = 1'-0"



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PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
876 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**CULINARY CLASSROOM  
ADDITIVE ALTERNATE**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS		
Sym.	Description	Date

Drawn By	RM
Date Issued	09.19.2022
Scale	1/4" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**E-202 V4**

**GENERAL NOTES**

- THE MAIN SERVICE DISCONNECT IN "MSB" SHALL BE PERMANENTLY MARKED TO IDENTIFY IT AS A SERVICE DISCONNECT PER CEC 230.70(B).
- THE MAIN SWITCHBOARD SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKINGS SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED PER CEC 110.24(A).
- PROVIDE AN ARC FLASH HAZARD WARNING LABEL ON THE MAIN SWITCHBOARD IN ACCORDANCE WITH CEC 110.16.

**FAULT CURRENT & ARC FLASH NOTES**

- THE CONTRACTOR SHALL PROVIDE A SHORT CIRCUIT, PROTECTIVE DEVICE COORDINATION STUDY AND ARC FLASH STUDY FOR THE PROJECT COMPLETE ELECTRICAL DISTRIBUTION SYSTEM. SUBMIT TO THE ELECTRICAL ENGINEER OF RECORD FOR REVIEW. PROVIDE ALL SHORT CIRCUIT DEVICE AND EQUIPMENT CHARACTERISTIC INFORMATION FOR ALL ELECTRICAL COMPONENTS. PROVIDE TIME-CURRENT CURVES FOR ALL OVERCURRENT PROTECTIVE DEVICES IN THE SUBMITTAL SET AND ADJUST ALL DEVICES IN ACCORDANCE WITH THE RESULTS OF THE STUDY PRIOR TO ENERGIZING EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERTINENT INFORMATION NECESSARY IN ORDER TO PERFORM THE REQUIRED SHORT CIRCUIT, PROTECTIVE DEVICE COORDINATION AND ARC FLASH STUDIES TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
  - CONTACTING THE SERVING POWER UTILITY COMPANY TO OBTAIN THE AVAILABLE SHORT CIRCUIT CURRENT AT THE PROJECT POINT OF CONNECTION AND/OR SECONDARY OF THE SERVING UTILITY COMPANY SERVICE TRANSFORMER(S).
  - FIELD INVESTIGATION TO DETERMINE THE SHORT CIRCUIT CURRENT RATING FOR ANY EXISTING ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT.
  - ELECTRICAL CHARACTERISTICS FOR ALL PROPOSED NEW ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT.
- THE CONTRACTOR SHALL PROVIDE APPROVED PERMANENT LABELS FOR ALL ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT TO CLEARLY IDENTIFY THE AVAILABLE SHORT CIRCUIT CURRENT AND ARC FLASH ENERGY LEVELS AND REQUIRED PPE (PERSONNEL PROTECTIVE EQUIPMENT)

**KEY NOTES**

- PROVIDE STANDARD INTEGRATED SURGE PROTECTION DEVICE WITH DISCONNECT SWITCH: 250 KA/PHASE.
- PROVIDE STANDARD INTEGRATED SURGE PROTECTION DEVICE WITH DISCONNECT SWITCH: 50 KA/PHASE.
- PROVIDE SHUNT TRIP BREAKER.
- FOR MAIN AND FEEDER BREAKERS PRIOR TO BID, CONTRACTOR SHALL COORDINATE WITH THE POWER UTILITY COMPANY THE MAXIMUM SHORT CIRCUIT CURRENT EXPECTED ON THE SECONDARY TERMINALS AT THE UTILITY COMPANY'S TRANSFORMER AND PROVIDE APPROPRIATE RATED SWITCHBOARD AND DOWNSTREAM ELECTRICAL PANELBOARDS. PROVIDE SHORT CIRCUIT CALCULATIONS AS NECESSARY TO JUSTIFY EQUIPMENT BEING SUBMITTED.
- SELECTIVELY COORDINATE ALL EMERGENCY OVERCURRENT DEVICES DOWNSTREAM OF THIS OVERCURRENT DEVICE IN ACCORDANCE WITH CEC 700.32.
- PER NFPA 110 CHAPTER 4 AND CEC 700, THE EMERGENCY POWER SUPPLY SYSTEM (GENERATOR+ATS) SHALL BE CLASSIFIED AS: LEVEL 1/TYPE 10/CLASS 2 (AT A MINIMUM).
- PER NFPA 110 CHAPTER 4 AND CEC 701, THE LEGALLY REQUIRED STANDBY EMERGENCY POWER SUPPLY SYSTEM (GENERATOR+ATS) SHALL BE CLASSIFIED AS: LEVEL 2/TYPE 60/CLASS 2 (AT A MINIMUM).
- PER CEC 702, THE OPTIONAL STANDBY EMERGENCY POWER SUPPLY SYSTEM (GENERATOR+ATS) SHALL BE CLASSIFIED AS: LEVEL 2/TYPE 60/CLASS 2 (AT A MINIMUM).

**LOAD CALCULATIONS**

**UTILITY POWER**

PANEL "P1"	
LIGHTING	= 253 VA
RECEPTACLES	= 1,080 VA
HVAC	= 6,344 VA
25% LIGHTING	= 63 VA
TOTAL	= 7,740 VA

FOR 120/208V-3φ-4W SYSTEM:  
7,740 VA ÷ 208V × √3 = 21.5 AMPS  
∴ PROVIDE 70 AMP FEEDER

PANEL "P2A"	
RECEPTACLES	= 11,340 VA
EQUIPMENT	= 460 VA
TOTAL	= 11,800 VA

FOR 120/208V-3φ-4W SYSTEM:  
11,800 VA ÷ 208V × √3 = 32.7 AMPS  
∴ PROVIDE 70 AMP FEEDER

PANEL "P2"	
PANEL "P2A"	= 11,800 VA
RECEPTACLES	= 19,740 VA
EQUIPMENT	= 10,192 VA
TOTAL	= 41,732 VA

FOR 120/208V-3φ-4W SYSTEM:  
41,732 VA ÷ 208V × √3 = 115.9 AMPS  
∴ PROVIDE 150 AMP FEEDER

PANEL "P3"	
RECEPTACLES	= 13,700 VA
EQUIPMENT	= 3,600 VA
TOTAL	= 17,300 VA

FOR 120/208V-3φ-4W SYSTEM:  
17,300 VA ÷ 208V × √3 = 48.1 AMPS  
∴ PROVIDE 100 AMP FEEDER

PANEL "L2"	
LIGHTING	= 4,421 VA
25% LIGHTING	= 1,105 VA
TOTAL	= 5,526 VA

FOR 120/208V-3φ-4W SYSTEM:  
5,526 VA ÷ 208V × √3 = 15.5 AMPS  
∴ PROVIDE 70 AMP FEEDER

PANEL "L3"	
LIGHTING	= 3,934 VA
25% LIGHTING	= 984 VA
TOTAL	= 4,918 VA

FOR 120/208V-3φ-4W SYSTEM:  
4,918 VA ÷ 208V × √3 = 13.7 AMPS  
∴ PROVIDE 60 AMP FEEDER

PANEL "AC"	
LIGHTING	= 854 VA
RECEPTACLES	= 1,080 VA
HVAC	= 49,816 VA
25% LIGHTING	= 214 VA
25% LARGEST MOTOR	= 10,944 VA
TOTAL	= 62,908 VA

FOR 120/208V-3φ-4W SYSTEM:  
62,408 VA ÷ 208V × √3 = 174.7 AMPS  
∴ PROVIDE 300 AMP FEEDER

<b>MAIN SWITCHBOARD "MSB"</b>	
ELEVATOR	= 41,040 VA
PANEL "P1"	= 7,677 VA
PANEL "P2"	= 41,732 VA
PANEL "L2"	= 4,421 VA
PANEL "P3"	= 17,300 VA
PANEL "L3"	= 3,934 VA
PANEL "AC"	= 51,750 VA
PANEL "EDP"	= 77,046 VA
25% LIGHTING	= 3,254 VA
25% LARGEST MOTOR	= 10,944 VA
TOTAL	= 259,098 VA

FOR 120/208V-3φ-4W SYSTEM:  
259,098 VA ÷ 208V × √3 = 719.7 AMPS  
∴ PROVIDE 1000 AMP MAIN CIRCUIT BREAKER

<b>MAIN SERVICE</b>	
MSB	= 259,098 VA
FIRE PUMP	= 21,384 VA
JOCKEY PUMP	= 3,258 VA
TOTAL	= 283,740 VA

FOR 120/208V-3φ-4W SYSTEM:  
283,740 VA ÷ 208V × √3 = 788.0 AMPS  
∴ PROVIDE 1200 AMP SERVICE

**LOAD CALCULATIONS**

**EMERGENCY POWER**

<b>PANEL "EP1"</b>	
LIGHTING	= 1,480 VA
RECEPTACLES	= 900 VA
EQUIPMENT	= 4,789 VA
25% LIGHTING	= 370 VA
TOTAL	= 7,539 VA

FOR 120/208V-3φ-4W SYSTEM:  
7,539 VA ÷ 208V × √3 = 20.9 AMPS  
∴ PROVIDE 60 AMP FEEDER

<b>PANEL "EP2"</b>	
LIGHTING	= 692 VA
EQUIPMENT	= 9,322 VA
25% LIGHTING	= 173 VA
TOTAL	= 10,187 VA

FOR 120/208V-3φ-4W SYSTEM:  
10,187 VA ÷ 208V × √3 = 28.3 AMPS  
∴ PROVIDE 60 AMP FEEDER

<b>PANEL "EP3"</b>	
LIGHTING	= 1,532 VA
RECEPTACLES	= 2,580 VA
EQUIPMENT	= 2,850 VA
25% LIGHTING	= 383 VA
TOTAL	= 7,345 VA

FOR 120/208V-3φ-4W SYSTEM:  
7,345 VA ÷ 208V × √3 = 20.4 AMPS  
∴ PROVIDE 60 AMP FEEDER

<b>PANEL "EAC"</b>	
LIGHTING	= 100 VA
HVAC	= 40,681 VA
25% LIGHTING	= 25 VA
25% LARGEST MOTOR	= 778 VA
TOTAL	= 41,584 VA

FOR 120/208V-3φ-4W SYSTEM:  
41,584 VA ÷ 208V × √3 = 115.5 AMPS  
∴ PROVIDE 150 AMP FEEDER

<b>PANEL "EDP"</b>	
PANEL "EP1"	= 7,169 VA
PANEL "EP2"	= 10,014 VA
PANEL "EP3"	= 6,962 VA
PANEL "EAC"	= 40,781 VA
PANEL "LVSE"	= 12,120 VA
25% LIGHTING	= 951 VA
25% LARGEST MOTOR	= 2,333 VA
TOTAL	= 80,330 VA

FOR 120/208V-3φ-4W SYSTEM:  
80,330 VA ÷ 208V × √3 = 223.1 AMPS  
∴ PROVIDE 250 AMP FEEDER

<b>PANEL "LVSE"</b>	
RECEPTACLES	= 540 VA
EQUIPMENT	= 11,580 VA
TOTAL	= 12,120 VA

FOR 120/208V-3φ-4W SYSTEM:  
12,120 VA ÷ 208V × √3 = 33.7 AMPS  
∴ PROVIDE 60 AMP FEEDER

<b>EMERGENCY GENERATOR</b>	
PANEL "EDP"	= 77,046 VA
FIRE PUMP	= 21,384 VA
JOCKEY PUMP	= 3,258 VA
25% LIGHTING	= 951 VA
25% LARGEST MOTOR	= 2,333 VA
TOTAL	= 104,972 VA

∴ PROVIDE 100 KW/125KVA GENERATOR

PROVIDE SERVICE ENTRANCE CONDUCTOR LANDING LUGS IN ACCORDANCE WITH P.G.&E. STANDARDS

PROVIDE CT COMPARTMENT, METER SOCKET, TEST BLOCK AND BYPASS IN ACCORDANCE WITH P.G.&E. STANDARDS

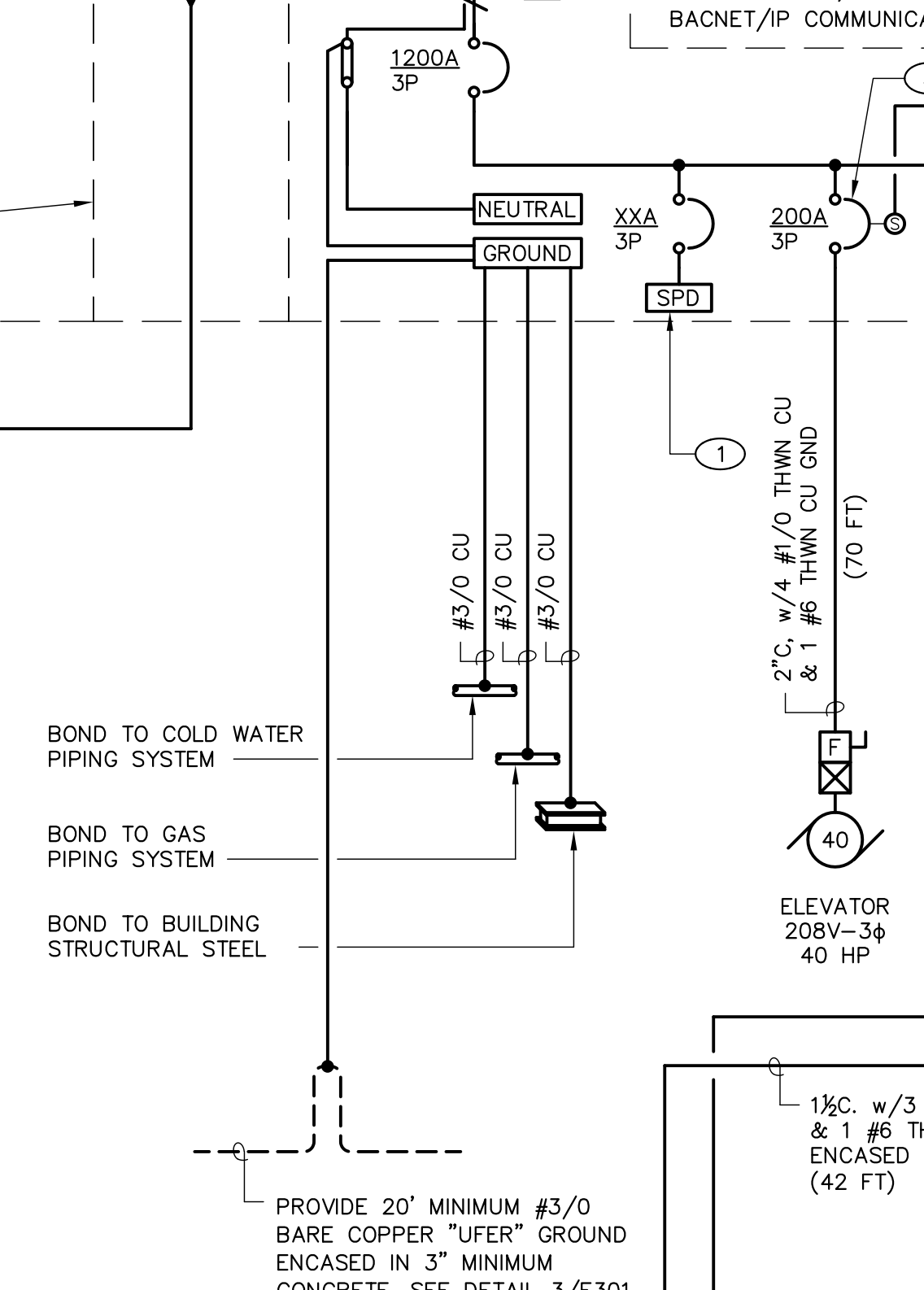
BUSSED UNDERGROUND PULL SECTION IN ACCORDANCE WITH P.G.&E. STANDARDS 120/208V-3φ-4W 1200 AMP BUS

1" C. w/PULLSTRING TO "TTB"  
P.G.&E. METER, PROVIDE METER SOCKET, CT COMPARTMENT, TEST BLOCK AND BYPASS IN ACCORDANCE WITH P.G.&E. STANDARDS.  
CUSTOMER OWNED POWER METER PER COUNTY REQUIREMENTS (KW/ KWH READINGS, MODBUS TCP & BACNET/IP COMMUNICATIONS).

P.G.&E. VAULT MOUNTED SUBSURFACE SERVICE TRANSFORMER  
PROVIDE BARRIER BETWEEN SWITCHBOARD SECTIONS

5-5" C. - SECONDARY IN ACCORDANCE WITH P.G.&E. STANDARDS.

(2) 4" C. - PRIMARY TO P.G.&E. P.O.C.  
BOND TO COLD WATER PIPING SYSTEM  
BOND TO GAS PIPING SYSTEM  
BOND TO BUILDING STRUCTURAL STEEL



MAIN SWITCHBOARD "MSB" 4  
LEVEL 1 - ELEC-105  
SEE DETAIL 2/E301  
PROVISIONS FOR FUTURE CIRCUIT BREAKERS

EMERGENCY GENERATOR 6 7 8  
130kW/163 KVA,  
120/208V-3φ-4W  
(AT FLOOR LEVEL 1 - GENERATOR-106)

EMERGENCY DISTRIBUTION PANEL "EDP" LEVEL 1 - GENERATOR-106  
AUTOMATIC TRANSFER SWITCH "ATS" 400 AMP, 3 POLE, 120/208V-3φ WITH SOLID NEUTRAL AND ISOLATION BYPASS. LEVEL 1-GEN. RM 106

PROVISIONS FOR FOUR FUTURE 100A/3P MAX CIRCUIT BREAKERS

EMERGENCY DISTRIBUTION PANEL "EDP" LEVEL 1 - GENERATOR-106  
CUSTOMER OWNED POWER METER PER COUNTY REQUIREMENTS (KW/ KWH READINGS, MODBUS TCP & BACNET/IP COMMUNICATIONS).

1" C. w/4 #8 THWN CU & 1 #10 THWN CU GND ENCASED IN CONCRETE  
1" C. w/CONTROL WIRES PER MANUFACTURER  
1" C. w/4 #8 THWN CU & 1 #10 THWN CU GND ENCASED IN CONCRETE

AUTOMATIC TRANSFER SWITCH "ATS" 400 AMP, 3 POLE, 120/208V-3φ WITH SOLID NEUTRAL (AT LEVEL 1) IN GENERATOR-106

1" C. w/4 #8 THWN CU & 1 #10 THWN CU GND ENCASED IN CONCRETE  
1" C. w/CONTROL WIRES PER MANUFACTURER

OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY  
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**LOAD CALCULATIONS**

**UTILITY POWER**

PANEL "P1"	
LIGHTING	= 253 VA
RECEPTACLES	= 1,080 VA
HVAC	= 6,344 VA
25% LIGHTING	= 63 VA
TOTAL	= 7,740 VA

FOR 120/208V-3φ-4W SYSTEM:  
7,740 VA ÷ 208V × √3 = 21.5 AMPS  
∴ PROVIDE 70 AMP FEEDER

PANEL "P2A"	
RECEPTACLES	= 11,340 VA
EQUIPMENT	= 460 VA
TOTAL	= 11,800 VA

FOR 120/208V-3φ-4W SYSTEM:  
11,800 VA ÷ 208V × √3 = 32.7 AMPS  
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PANEL "P2"	
PANEL "P2A"	= 11,800 VA
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EQUIPMENT	= 10,192 VA
TOTAL	= 41,732 VA

FOR 120/208V-3φ-4W SYSTEM:  
41,732 VA ÷ 208V × √3 = 115.9 AMPS  
∴ PROVIDE 150 AMP FEEDER

PANEL "P3"	
RECEPTACLES	= 13,700 VA
EQUIPMENT	= 3,600 VA
TOTAL	= 17,300 VA

FOR 120/208V-3φ-4W SYSTEM:  
17,300 VA ÷ 208V × √3 = 48.1 AMPS  
∴ PROVIDE 100 AMP FEEDER

PANEL "L2"	
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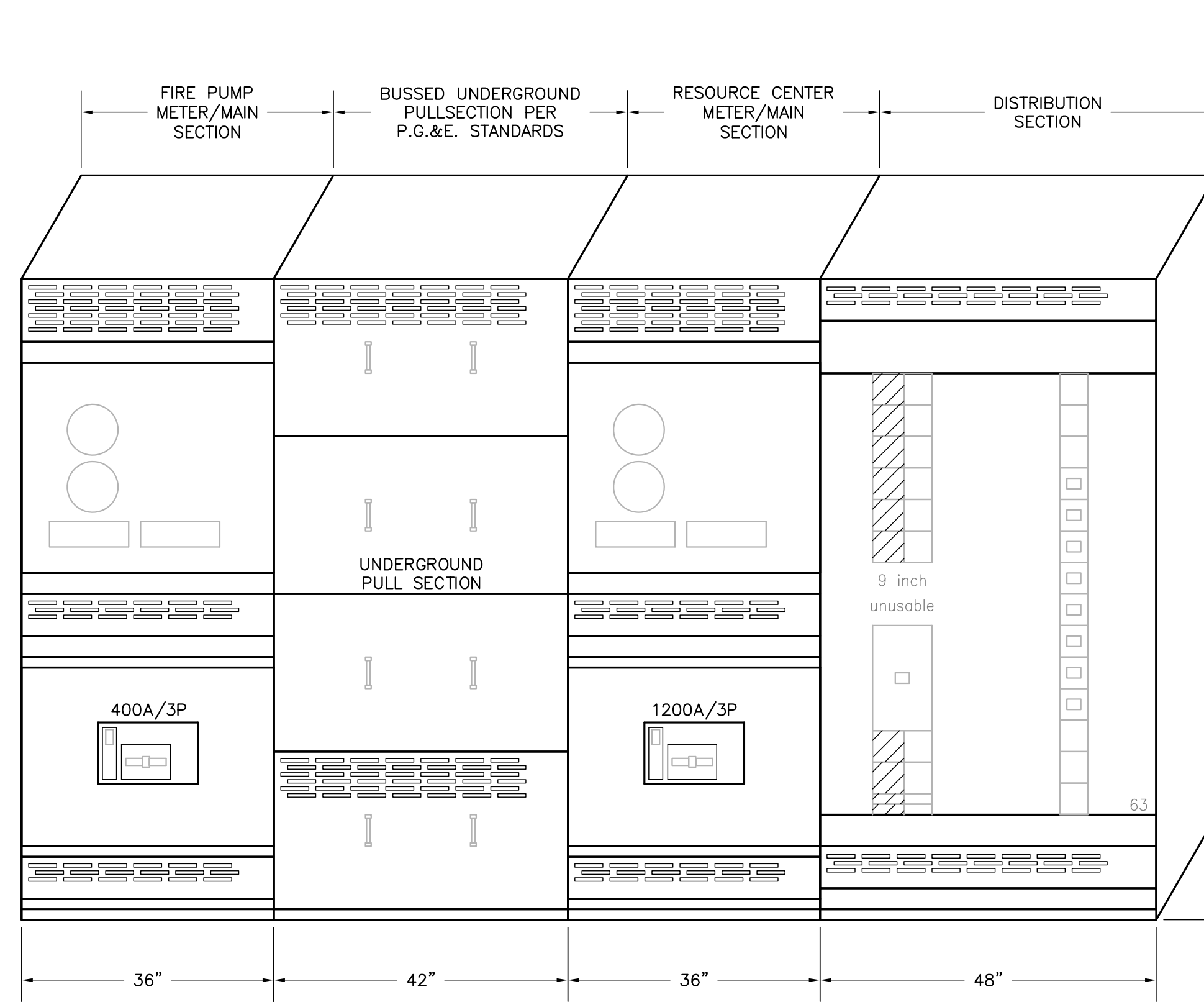
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<b>MAIN SERVICE</b>	
MSB	= 259,098 VA
FIRE PUMP	= 21,384 VA
JOCKEY PUMP	= 3,258 VA
TOTAL	= 283,740 VA

FOR 120/208V-3φ-4W SYSTEM:  
283,740 VA ÷ 208V × √3 = 788.0 AMPS  
∴ PROVIDE 1200 AMP SERVICE

**ONE LINE DIAGRAM**

NO SCALE

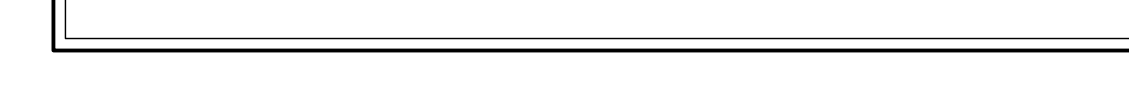


**MAIN SWITCHBOARD ELEVATION**

SCALE: NONE

**UFER GROUNDING DETAIL**

SCALE: NONE

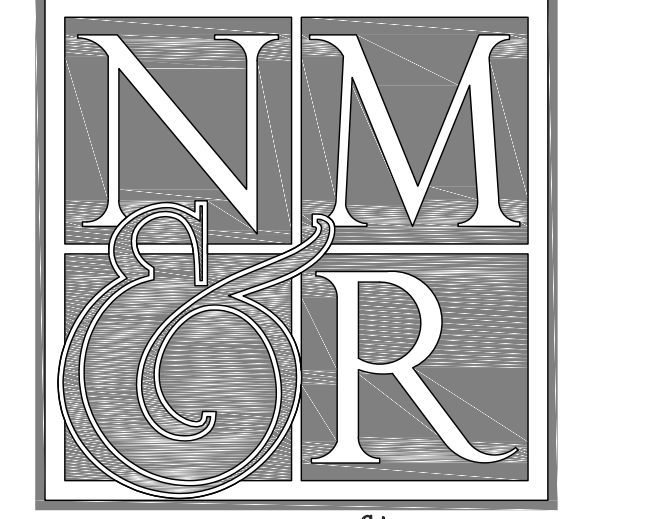


OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY



Approval of this plan shall not authorize or approve any construction operation from any applicable regulations. Approval is subject to field inspection. Other sets of approved plans shall be available on the project site at all times.

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NICHOLS MELBURG & ROSSETTO ARCHITECTS+ENGINEERS

CONSULTING ARCHITECT

**LIONAKIS**

CONSULTANTS

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Job #: 17-2264

**LICENSE STAMPS**



**PROJECT NAME**  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
676 5th STREET  
EUREKA, CA 95601

**SHEET TITLE**

**ONE LINE DIAGRAM**

**DRAWING STATUS**

**WORKING DRAWINGS**

**REVISIONS**

Sym. Description Date

Drawn By **BS**

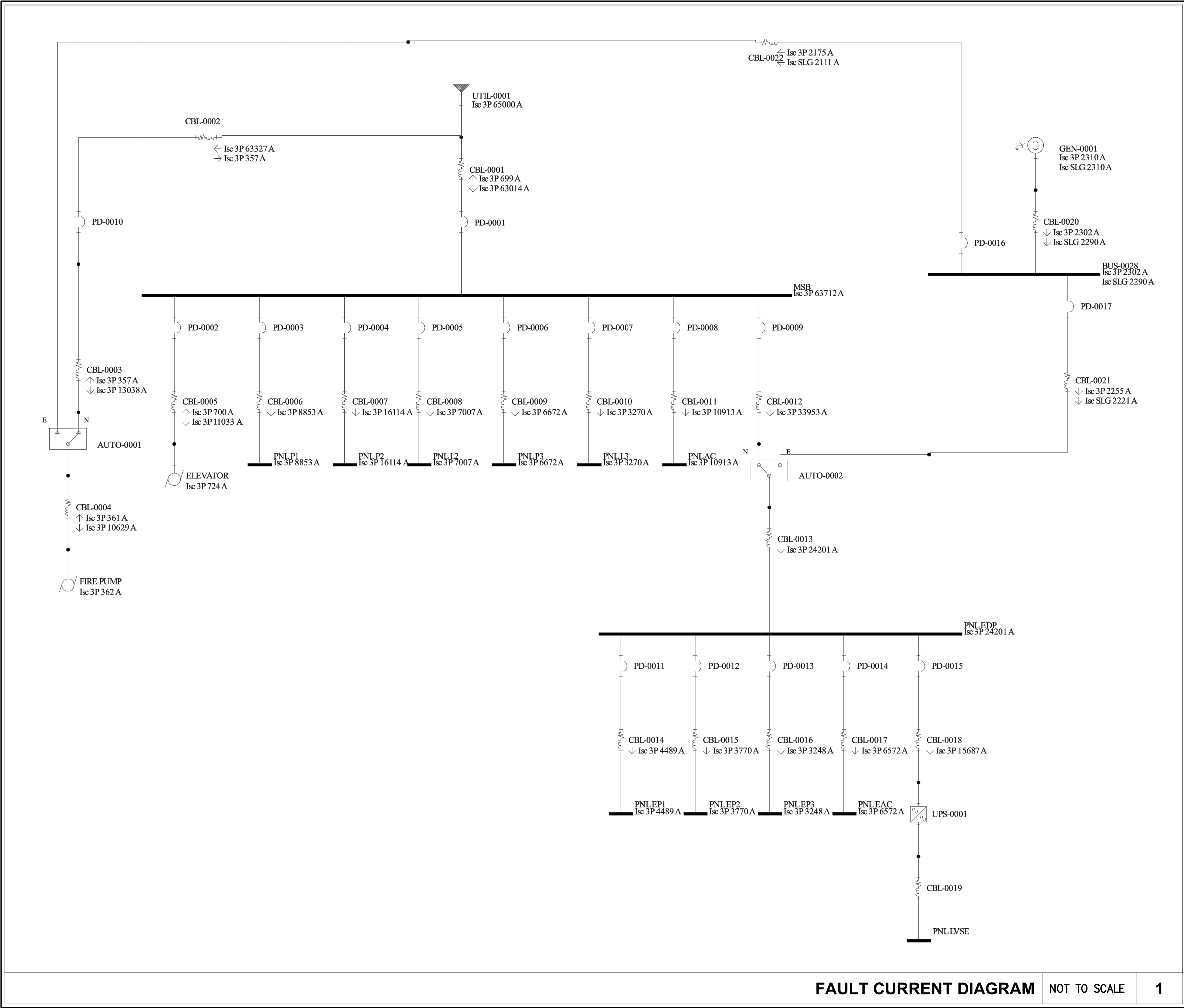
Date Issued **09.19.2022**

Scale **AS NOTED**

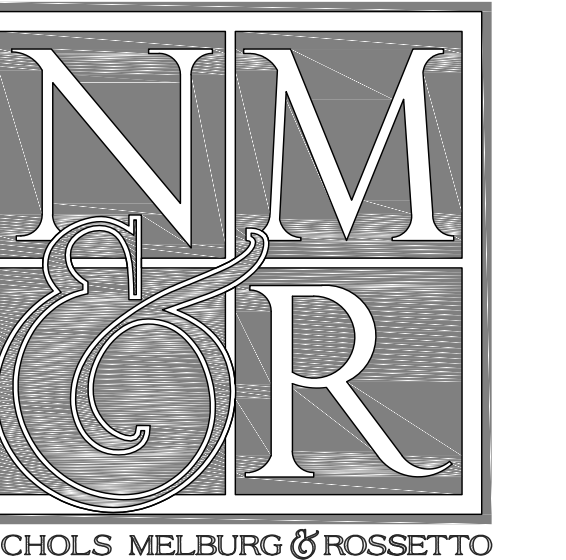
Project No. **16-6421.00**

**SHEET No.**

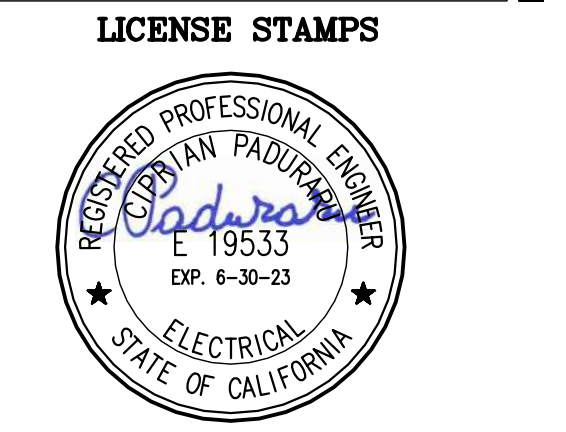
**E-301 V4**



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CONSULTING ARCHITECT  
**LIONAKIS**  
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PROJECT NAME  
**HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER**  
 876 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**FAULT CURRENT  
 DIAGRAM**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS	
Sym.	Description

Drawn By	BS
Date issued	09.19.2022
Scale	NONE
Project No.	16-6421.00

SHEET No.  
**E-302 V4**





PANEL "EP1"											
120/208 Volt, 3 Phase, 4 Wire 100 Amp BUS CU.						10 KAIC Rating SURFACE Mounted NEMA 1 Type Generator 106 Location					
100 Amp MLO						PHASE SUMMARY (WATTS)					
CKT	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT
1	20/1	GEN. BLOCK HEATER	1,500			100			FIRE ALARM PANEL [1]	20/1	2
3	20/1	GEN. BATTERY CHARGER		1,200			360		GEN. ROOM RECEPTACLES	20/1	4
5	20/1	ELEV. CAB LIGHTS			100			360	TELEPHONE BD. RECEPTACLE	20/1	6
7	20/1	ELEV. CONTROLS	100			100			20/1 SYSTEMS FURNITURE	20/1	8
9	20/1	ELEV. RM. RECEPTACLE		180			100		FUEL TRANSF. CONTROL POWER	20/1	10
11	20/1	FSD [1]			150			1,176	FUEL TRANSFER PUMP	20/1	12
13	20/1	LIGHTING	450			301			EXTERIOR LIGHTS	20/1	14
15	20/1	ELEVATOR ROOM LIGHT		51			188		W. LOBBY / STAIRLIGHTS	20/1	16
17	20/1	RH-1			453			192	PARKING LIGHTING	20/1	18
19	20/1	SPARE					10		FIRE ALARM BELL [1]	20/1	20
21	20/1	SPARE					189		SOUTH EXT. LIGHTING	20/1	22
23	20/1	SPARE						170	POLE LIGHT	20/1	24
25	30/3	SPD [2]							SPARE	20/1	26
27	-	-							SPARE	20/1	28
29	-	-							SPARE	20/1	30
PHASE TOTALS						DEMAND LOADS					
A B C						LIGHTING / CONTINUOUS LOAD x 125%					
2,570 2,268 2,601						RECEPTACLES / OTHER x 100%					
						LARGEST MOTOR x 25%					
						TOTAL DEMAND LOADS					
						TOTAL DEMAND AMPS					
						22 AMPS					

PANEL AND CIRCUIT BREAKER NOTES:  
 (1) PROVIDE CIRCUIT BREAKER WITH RED HANDLE AND BLOCK-ON DEVICE.  
 (2) PROVIDE STANDARD INTEGRATED SURGE PROTECTION DEVICE: 50KA/PHASE.

PANEL "P2"											
120/208 Volt, 3 Phase, 4 Wire 225 Amp BUS CU.						35 KAIC Rating SURFACE Mounted NEMA 1 Type ELEC 297.7 Location					
225 Amp MLO						PHASE SUMMARY (WATTS)					
CKT	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT
1	20/1	SYSTEMS FURNITURE			720	720			BREAK RM RECEPTACLES	20/1	2
3	20/1	SYSTEMS FURNITURE			720		1,080		OFFICE RECEPTACLES	20/1	4
5	20/1	SYSTEMS FURNITURE			720			1,080	OFFICE RECEPTACLES	20/1	6
7	20/1	SYSTEMS FURNITURE			720			900	OFFICE RECEPTACLES	20/1	8
9	20/1	PROGRAM 3 RECEPTACLES			1,080			1,000	PRINTER	20/1	10
11	20/1	PROGRAM 3 RECEPTACLES			720			900	OFFICE RECEPTACLES	20/1	12
13	20/1	VENDING MACHINE	1,000			990			REFRIGERATOR	20/1	14
15	20/1	VENDING MACHINE			1,000		1,000		MICROWAVE	20/1	16
17	20/1	COFFEE MAKER			1,200			1,500	COFFEE MAKER	20/1	18
19	20/1	RECEPTACLES	1,260			1,080			PROGRAM 1 - RECEPTACLES	20/1	20
21	20/1	OFFICE RECEPTACLES	1,260					1,080	PROGRAM 1 - RECEPTACLES	20/1	22
23	20/1	OFFICE RECEPTACLES			1,080			1,080	PROGRAM 2 - RECEPTACLES	20/1	24
25	20/1	ELECT ROOM RECEPTACLES			180	1,080			PROGRAM 2 - RECEPTACLES	20/1	26
27	20/1	KITCHEN RECEPTACLES			960		480		KITCHEN RECEPTACLE	20/1	28
29	20/1	SPARE							SHUNT-TRIP	-	30
31	20/1	SPARE					360		KITCHEN RECEPTACLES	20/1	32
33	20/1	SPARE						480	KITCHEN RECEPTACLE	20/1	34
35	20/1	SPARE						1,500	MICROWAVE OVEN	20/1	36
37	100/3	PANEL "P2A"	4,910				972		GARBAGE DISPOSAL	20/1	38
39	-	-			3,650			1,080	CULINARY - RECEPTACLE	20/1	40
41	-	-			4,140			720	CULINARY - RECEPTACLE	20/1	42
PHASE TOTALS						DEMAND LOADS					
A B C						LIGHTING / CONTINUOUS LOAD x 125%					
14,862 14,870 14,700						RECEPTACLES / OTHER x 100%					
						LARGEST MOTOR x 25%					
						TOTAL DEMAND LOADS					
						TOTAL DEMAND AMPS					
						124 AMPS					

PANEL AND CIRCUIT BREAKER NOTES:  
 (1) ADDITIVE ALTERNATE

PANEL "EP2"											
120/208 Volt, 3 Phase, 4 Wire 100 Amp BUS CU.						10 KAIC Rating SURFACE Mounted NEMA 1 Type ELEC 297.7 Location					
100 Amp MLO						PHASE SUMMARY (WATTS)					
CKT	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT
1	20/1	FIRE SMOKE DAMPERS	100			692			EMERGENCY LIGHTING	20/1	2
3	20/1	VAV BOXES		500			100		FAEP2 [2]	20/1	4
5	20/1	VAV BOXES			500			1,212	REFRIGERATOR	20/1	6
7	20/1	VAV BOXES	500			100			HOOD FIRE SYSTEM	20/1	8
9	20/1	VAV BOXES		500			1,440		DATA RACK	15/1	10
11	20/1	NAE			100			1,440	DATA RACK	15/1	12
13	20/1	SPARE					1,440		DATA RACK	15/1	14
15	20/1	SPARE						1,440	DATA RACK	15/1	16
17	20/1	SPARE							SPACE	FFB	18
19	30/3	SPD [3]							SPACE	FFB	20
21	-	-							SPACE	FFB	22
23	-	-							SPACE	FFB	24
PHASE TOTALS						DEMAND LOADS					
A B C						LIGHTING / CONTINUOUS LOAD x 125%					
2,982 3,980 3,252						RECEPTACLES / OTHER x 100%					
						LARGEST MOTOR x 25%					
						TOTAL DEMAND LOADS					
						TOTAL DEMAND AMPS					
						28.6 AMPS					

PANEL AND CIRCUIT BREAKER NOTES:  
 (1) ADDITIVE ALTERNATE  
 (2) PROVIDE CIRCUIT BREAKER WITH RED HANDLE AND "BLOCK-OFF" DEVICE  
 (3) PROVIDE STANDARD INTEGRATED SURGE PROTECTION DEVICE: 50KA/PHASE.

PANEL "EP3"											
120/208 Volt, 3 Phase, 4 Wire 100 Amp BUS CU.						10 KAIC Rating SURFACE Mounted NEMA 1 Type ELEC 386.3 Location					
100 Amp MLO						PHASE SUMMARY (WATTS)					
CKT	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT
1	20/1	DORM CPAP RECEPTACLE	200			650			FIRE SMOKE DAMPERS [1]	20/1	2
3	20/1	DORM CPAP RECEPTACLES		400			720		STAFF STATION RECEPTACLES	20/1	4
5	20/1	LCCS			100			720	STAFF STATION RECEPTACLES	20/1	6
7	20/1	VAV BOXES	500			540			STAFF STATION RECEPTACLES	20/1	8
9	20/1	VAV BOXES		500			1,532		LEVEL 3 EM LIGHTING	20/1	10
11	20/1	VAV BOXES			500			100	FAEP3 [1]	20/1	12
13	20/1	VAV BOXES	500						LIGHTING - OUTDOOR REC	20/1	14
15	20/1	SPARE							SPARE	20/1	16
17	20/1	SPARE							SPARE	20/1	18
19	30/3	SPD [2]							SPARE	20/1	20
21	-	-							SPARE	20/1	22
23	-	-							SPARE	20/1	24
PHASE TOTALS						DEMAND LOADS					
A B C						LIGHTING / CONTINUOUS LOAD x 125%					
4,390 3,152 1,420						RECEPTACLES / OTHER x 100%					
						LARGEST MOTOR x 25%					
						TOTAL DEMAND LOADS					
						TOTAL DEMAND AMPS					
						28.4 AMPS					

PANEL AND CIRCUIT BREAKER NOTES:  
 (1) PROVIDE CIRCUIT BREAKER WITH RED HANDLE AND "BLOCK-OFF" DEVICE.  
 (2) PROVIDE STANDARD INTEGRATED SURGE PROTECTION DEVICE: 50KA/PHASE.

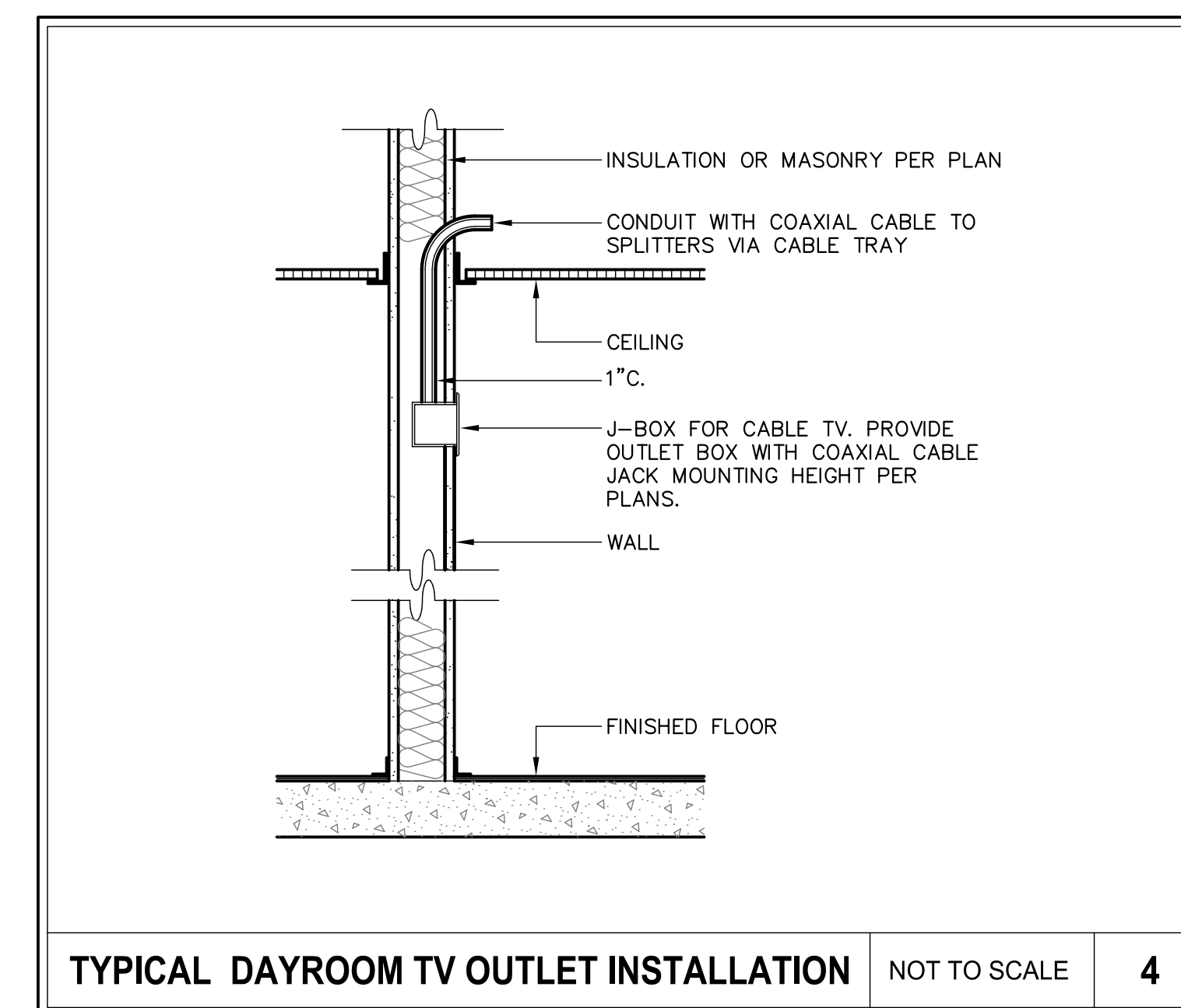
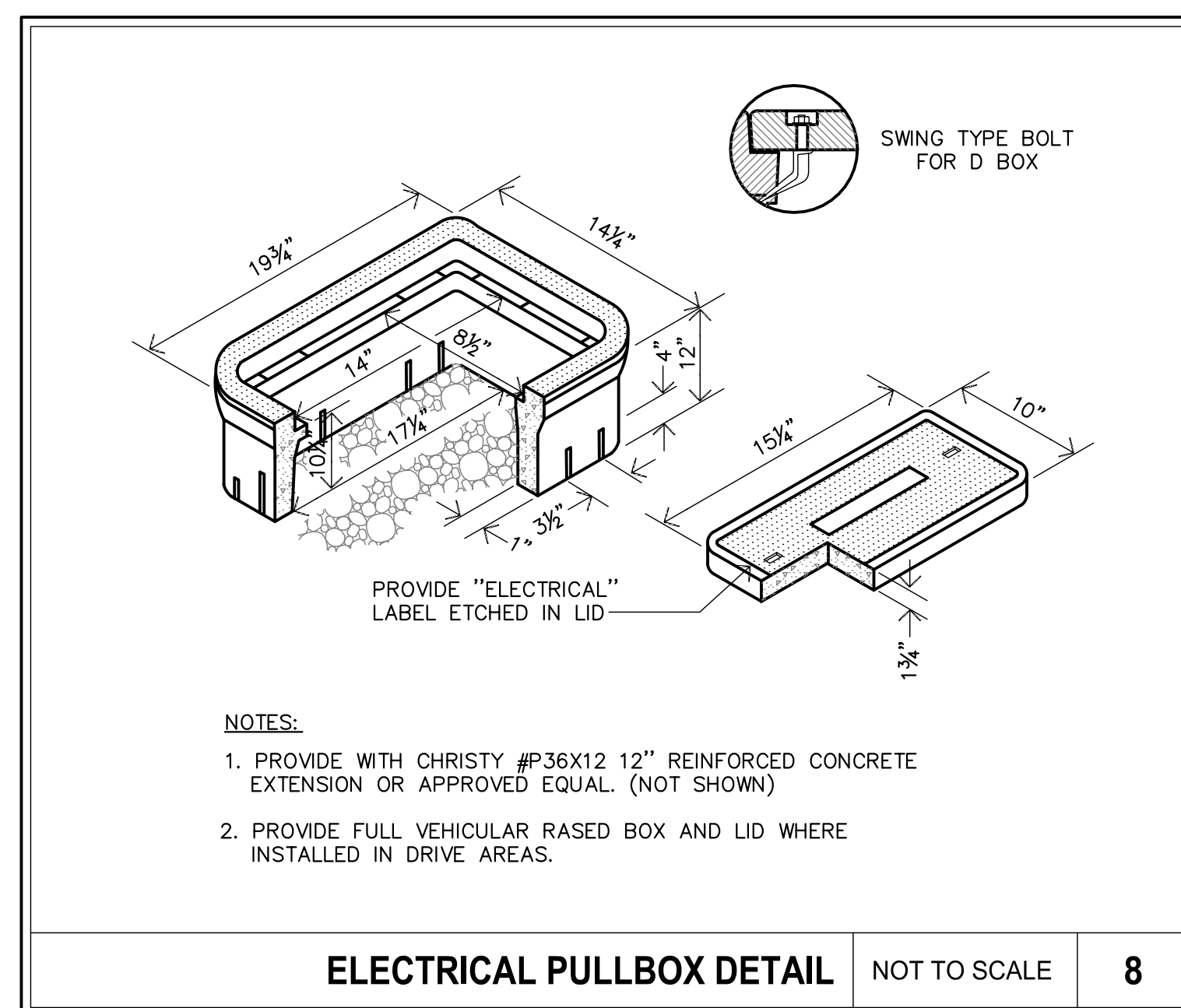
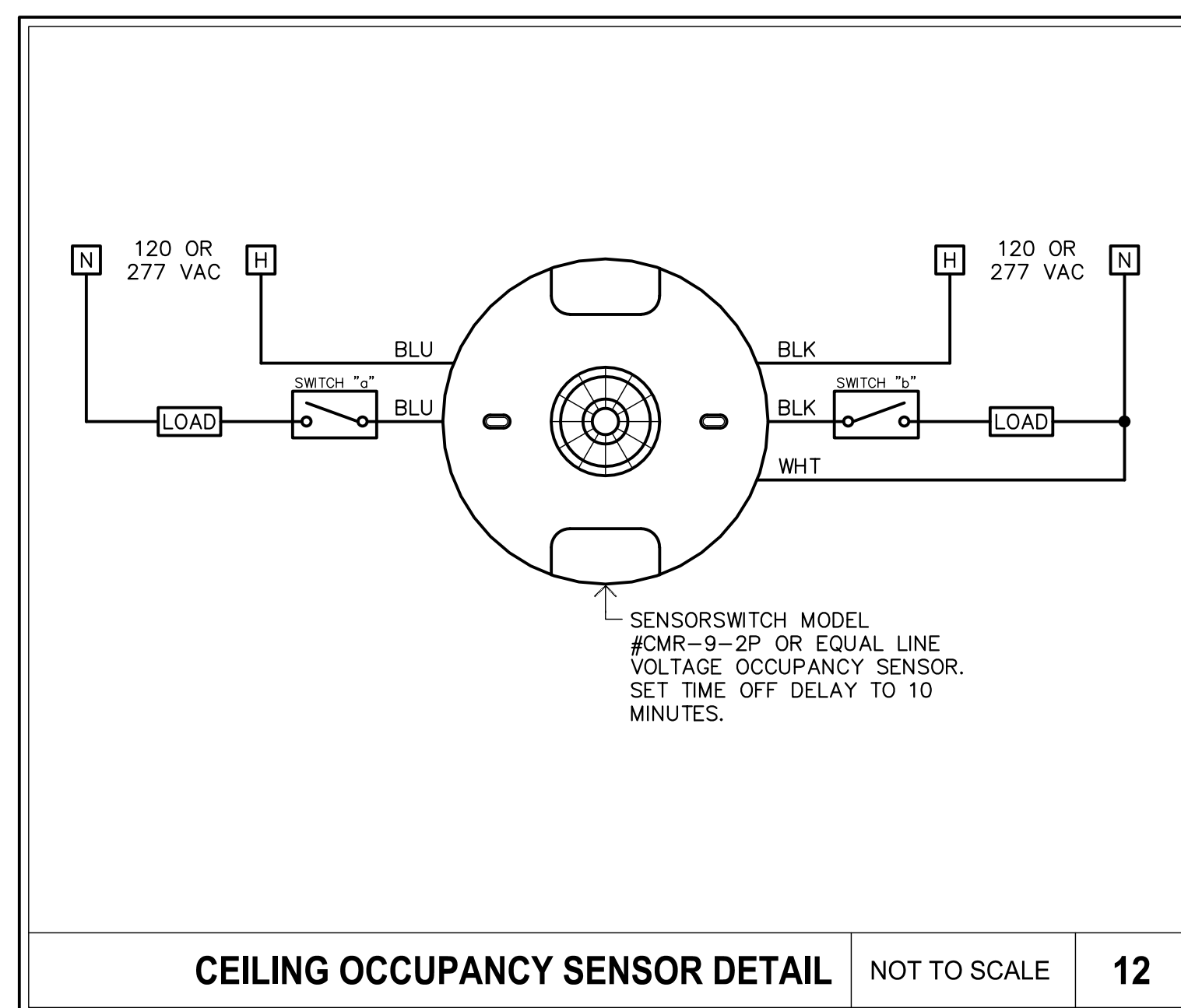
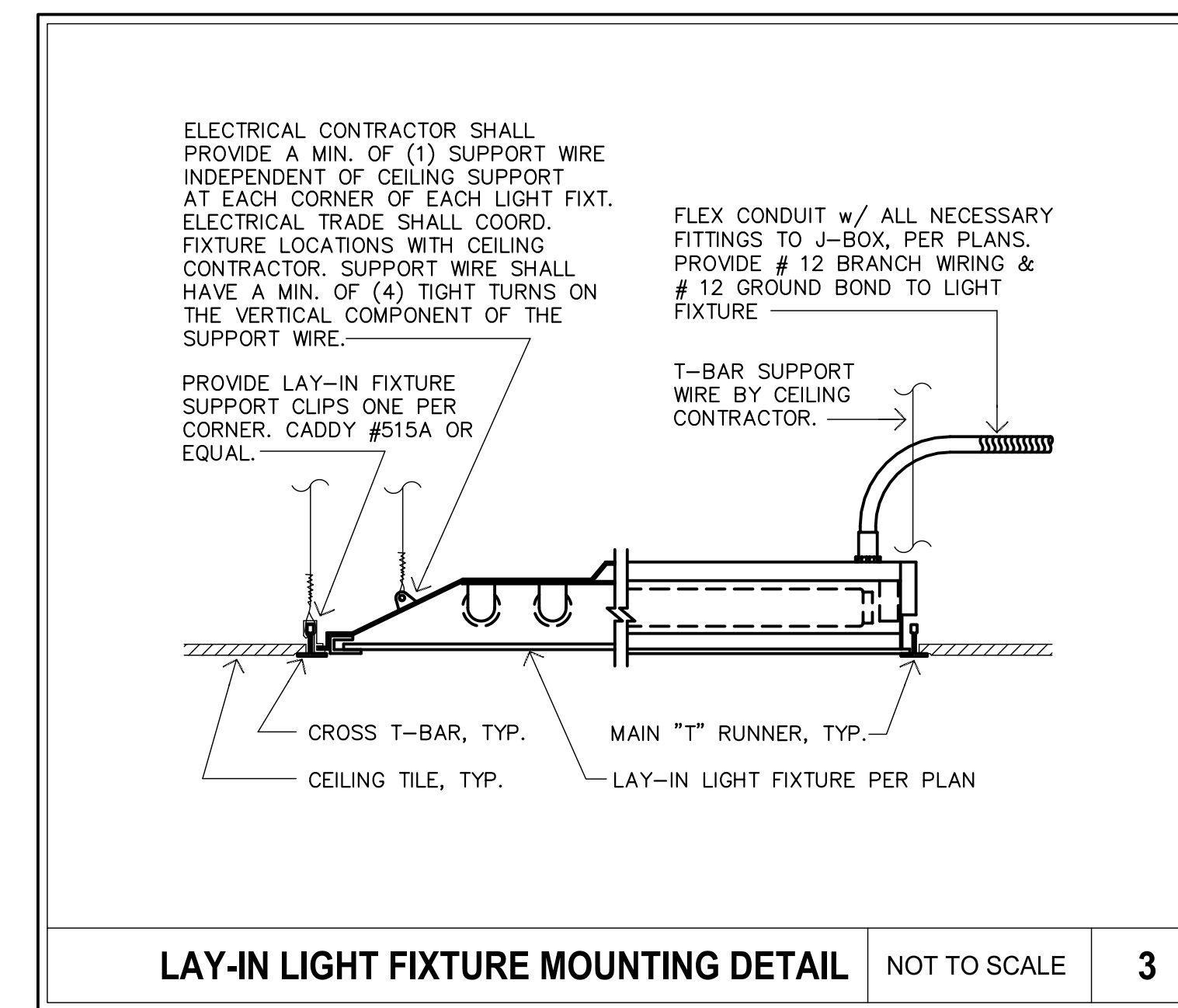
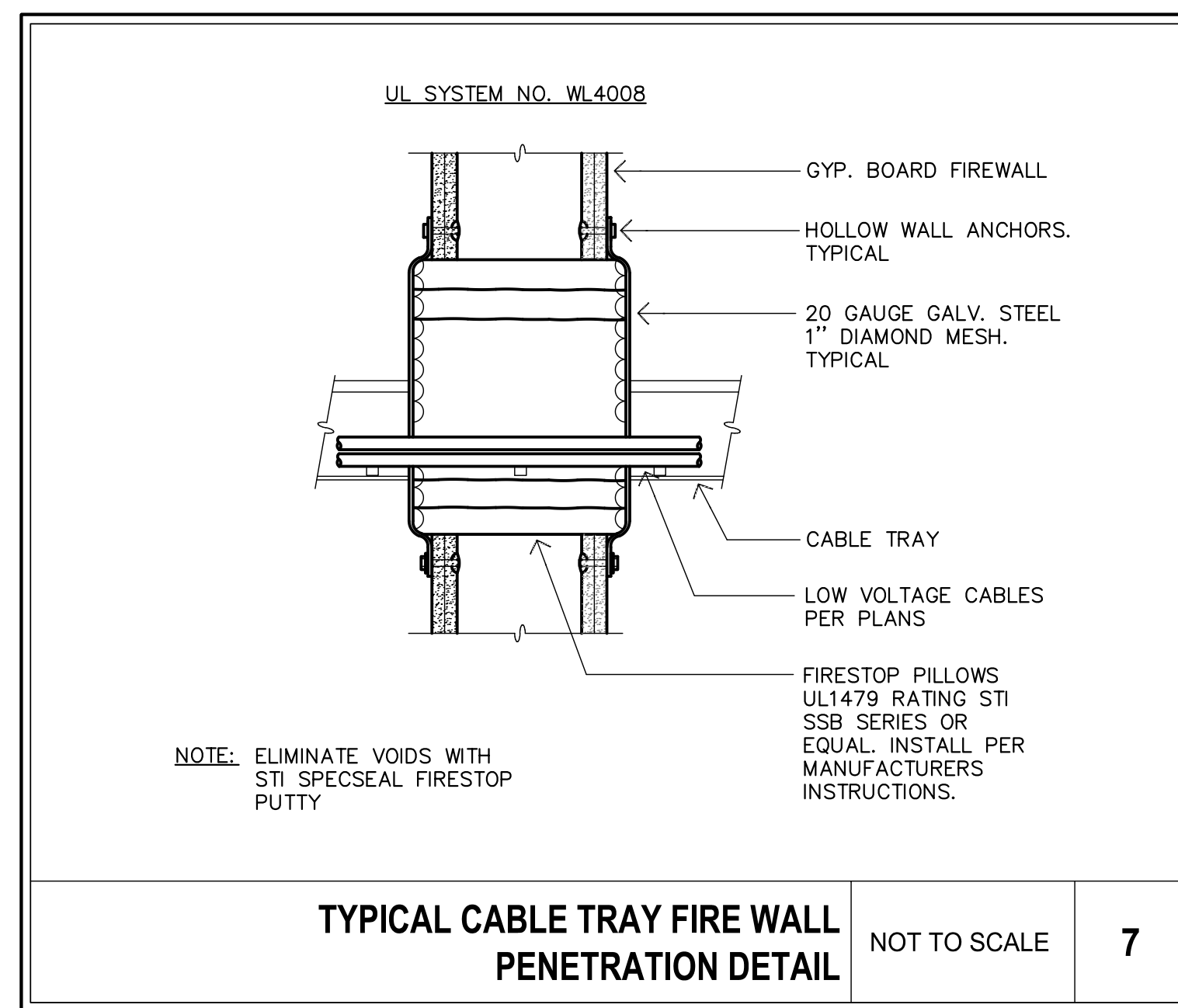
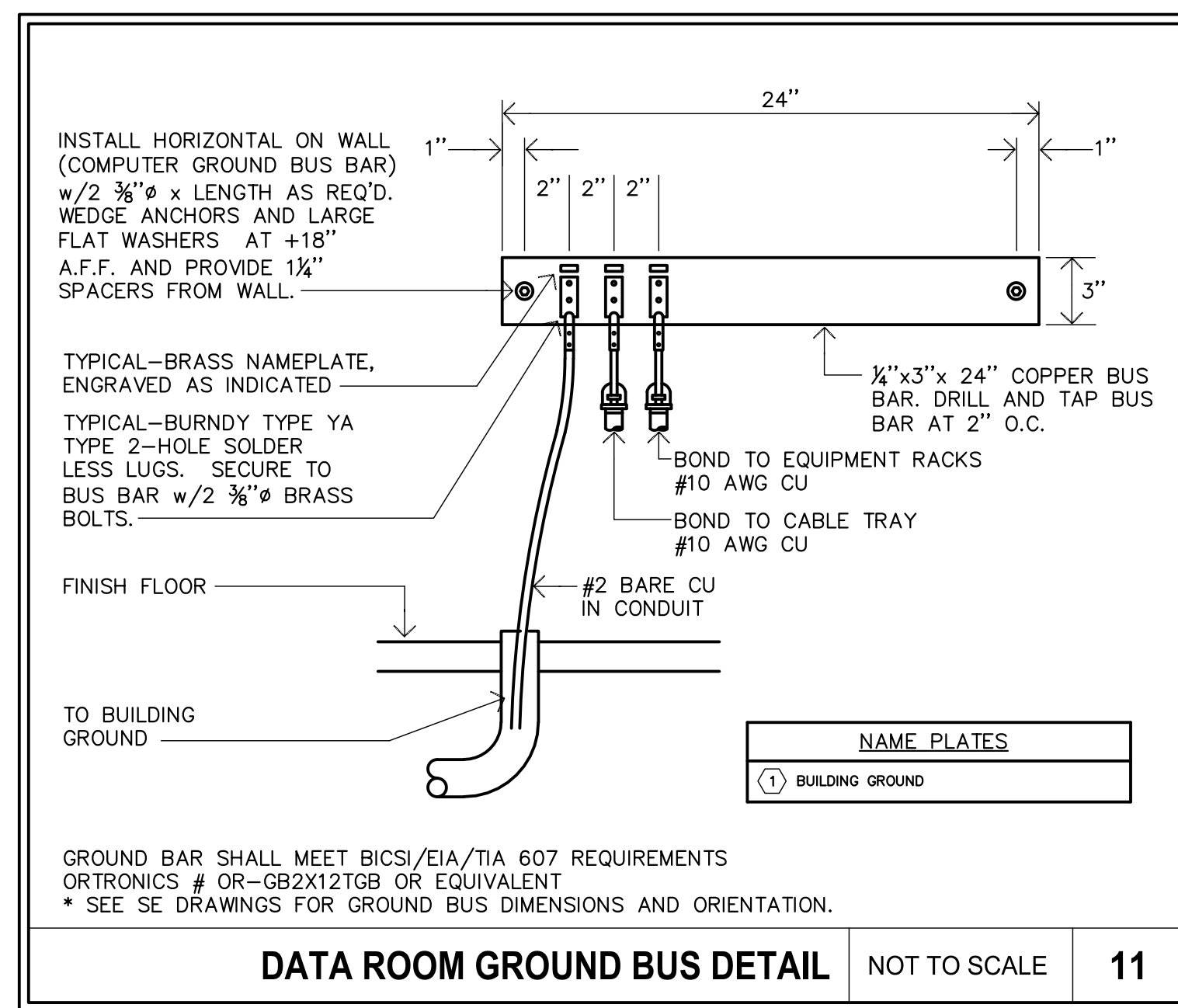
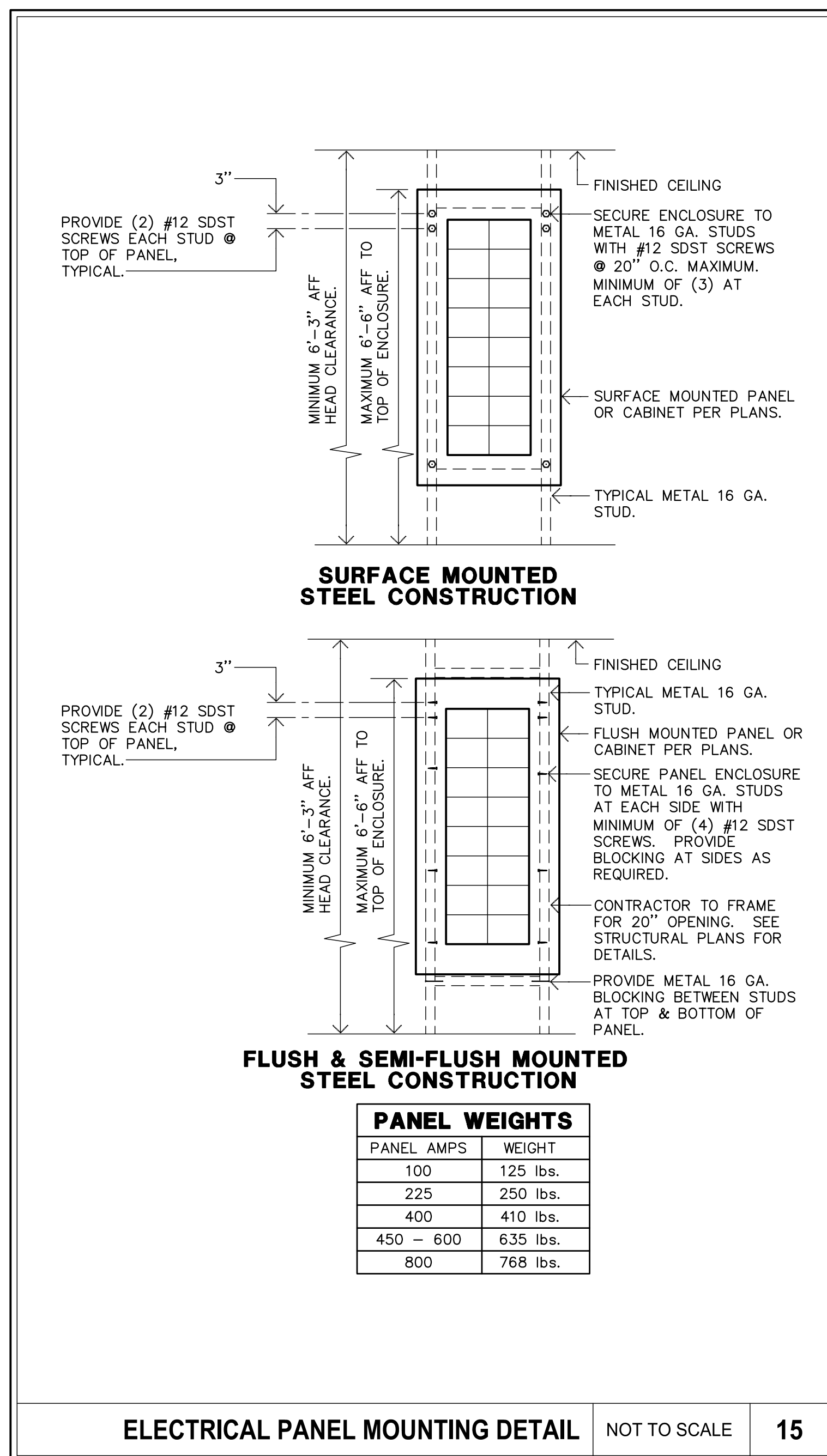
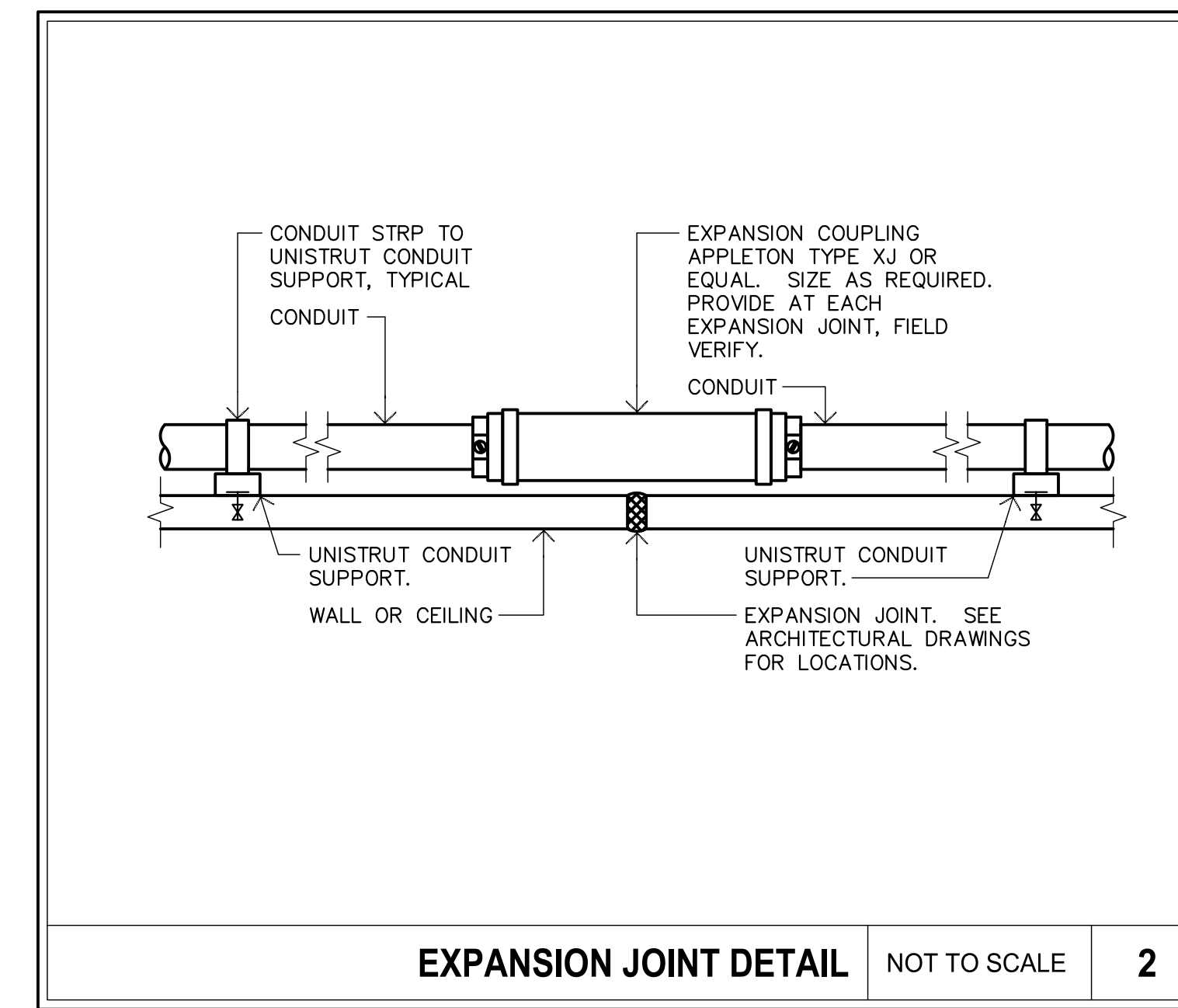
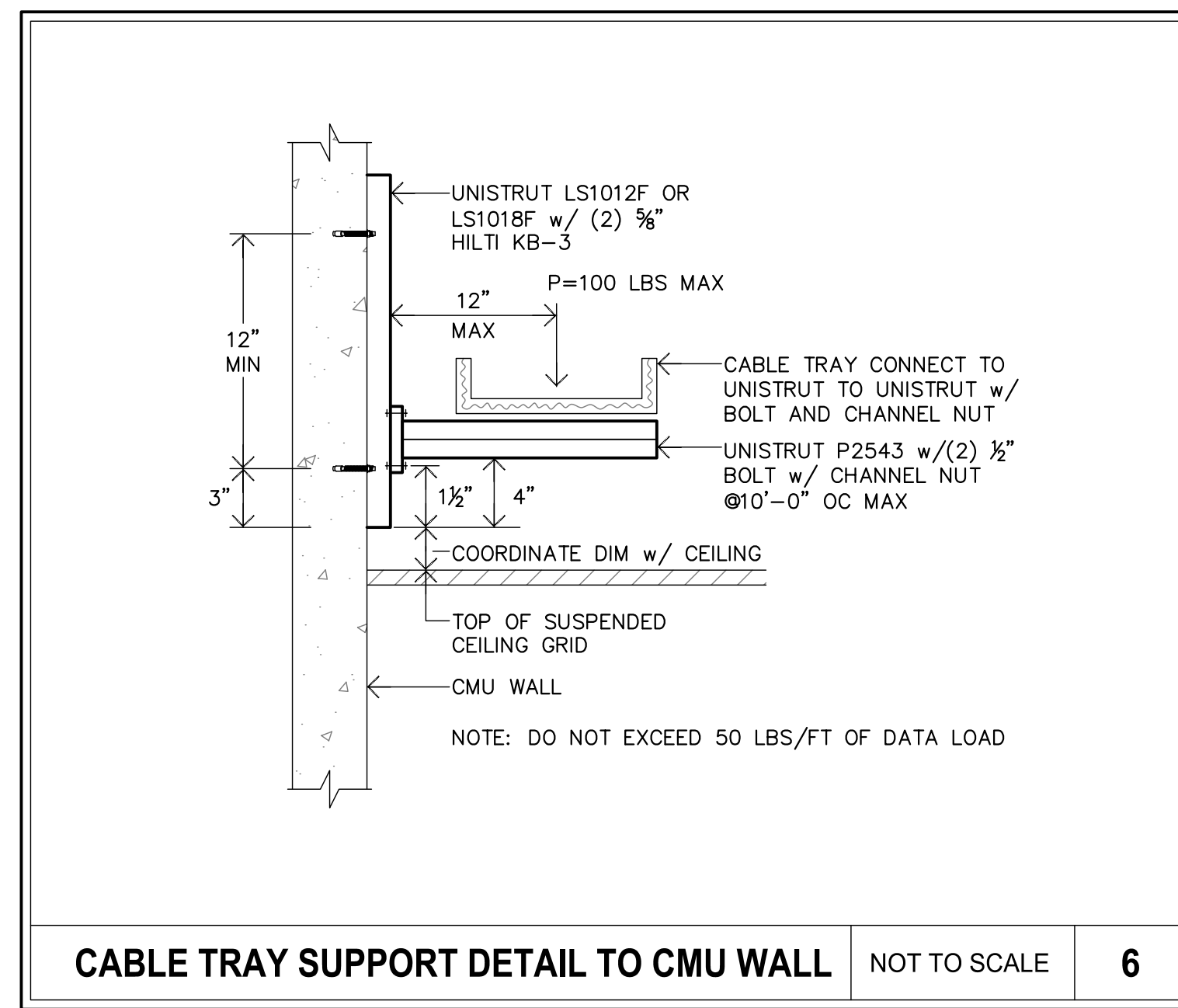
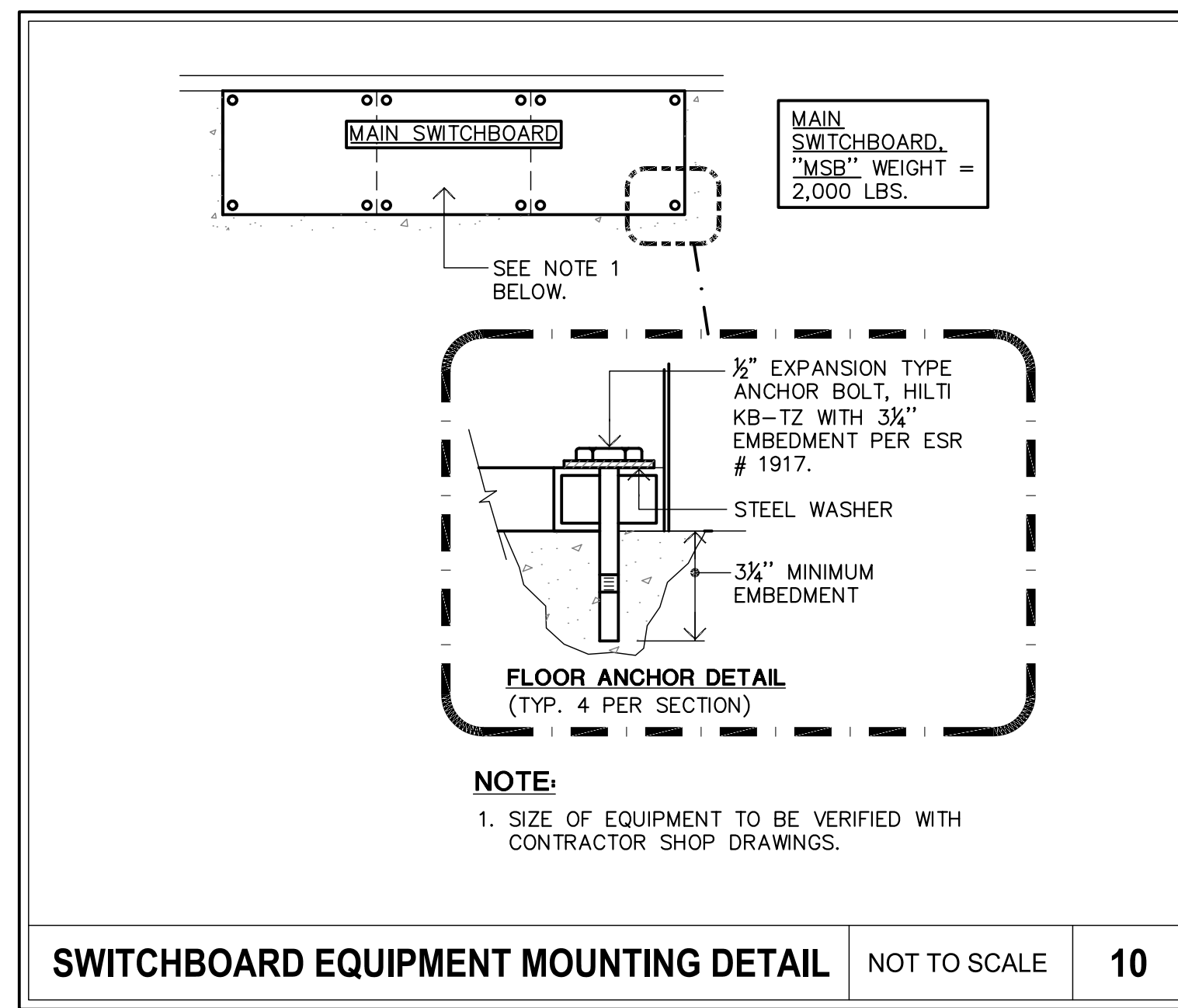
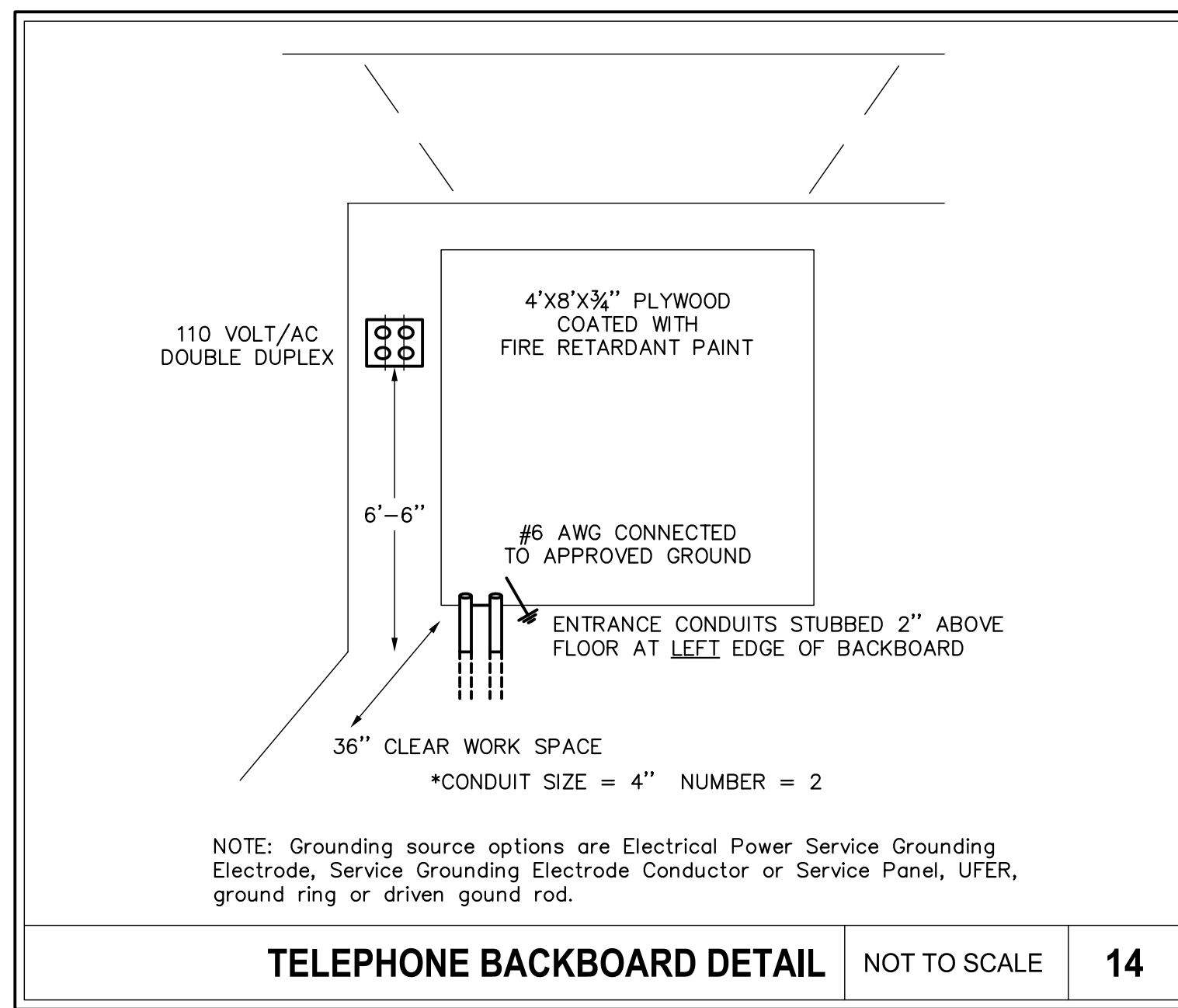
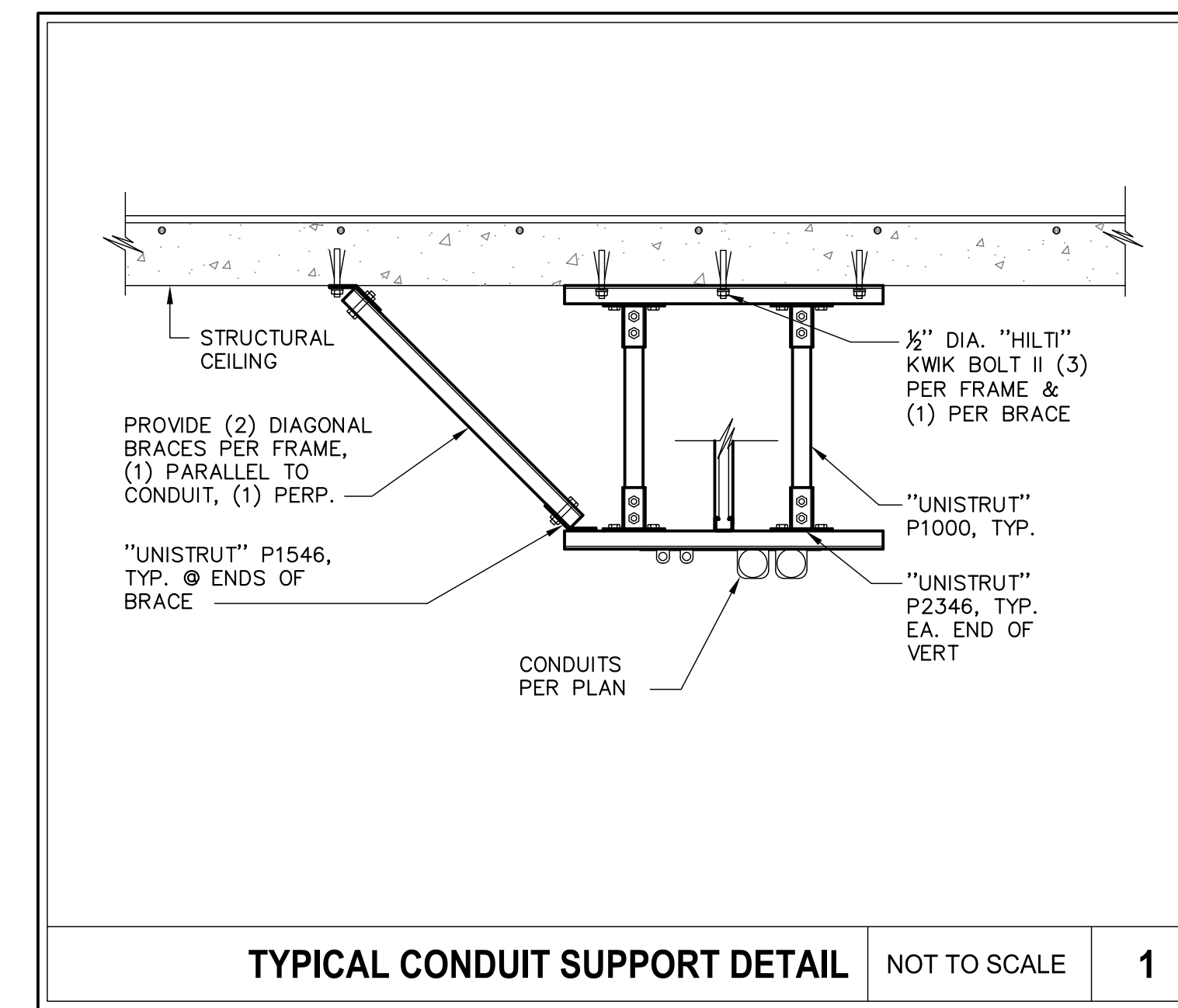
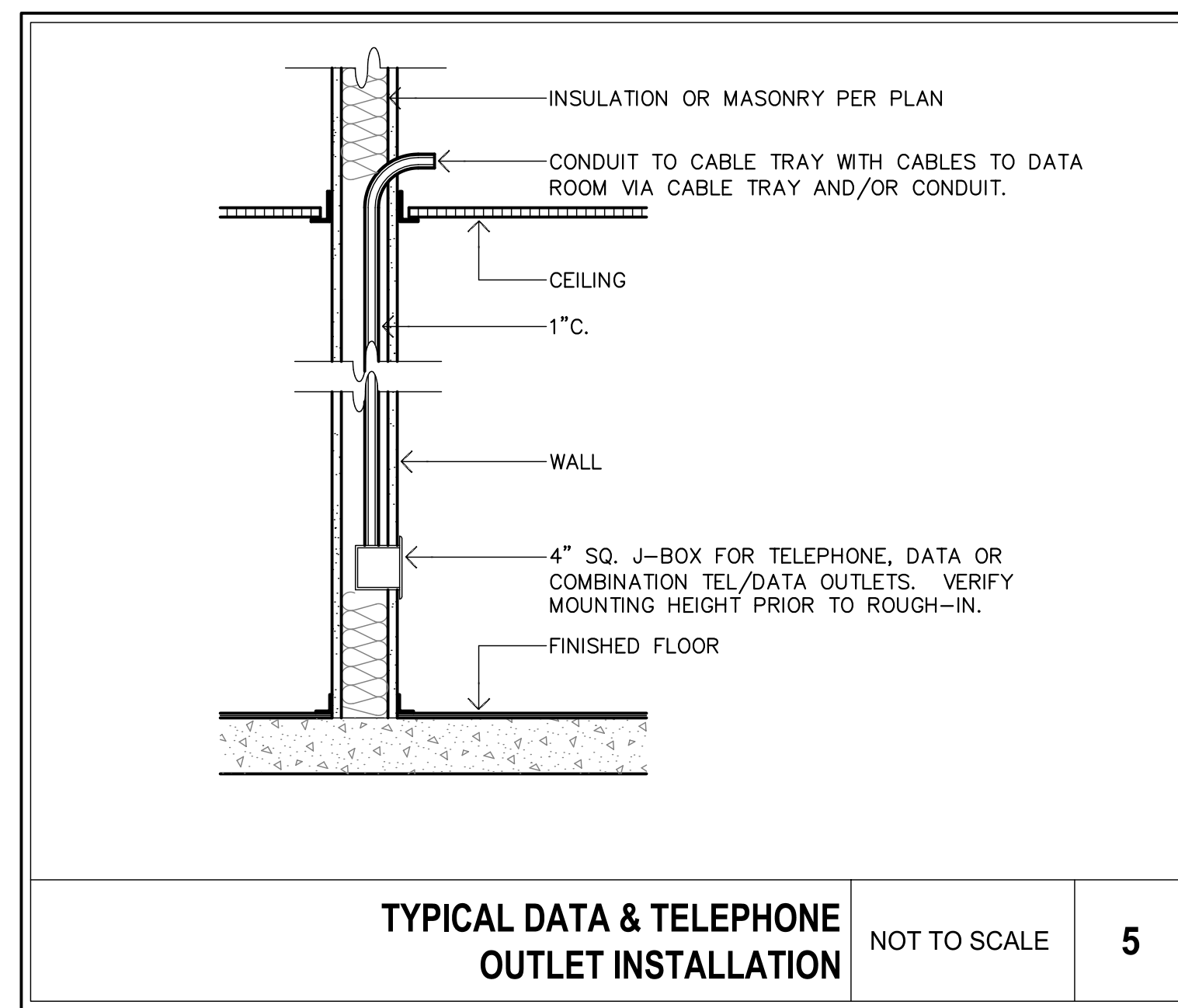
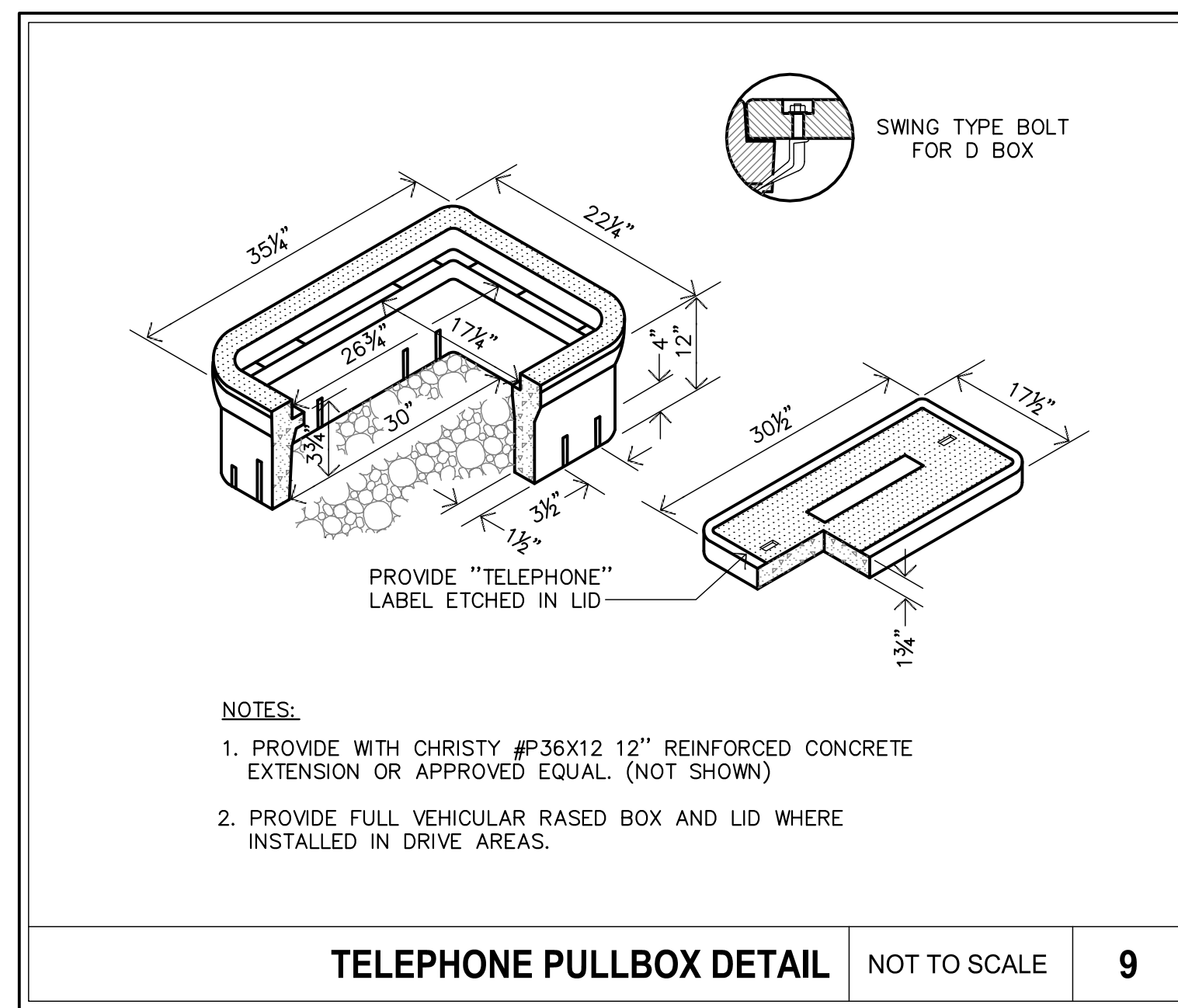
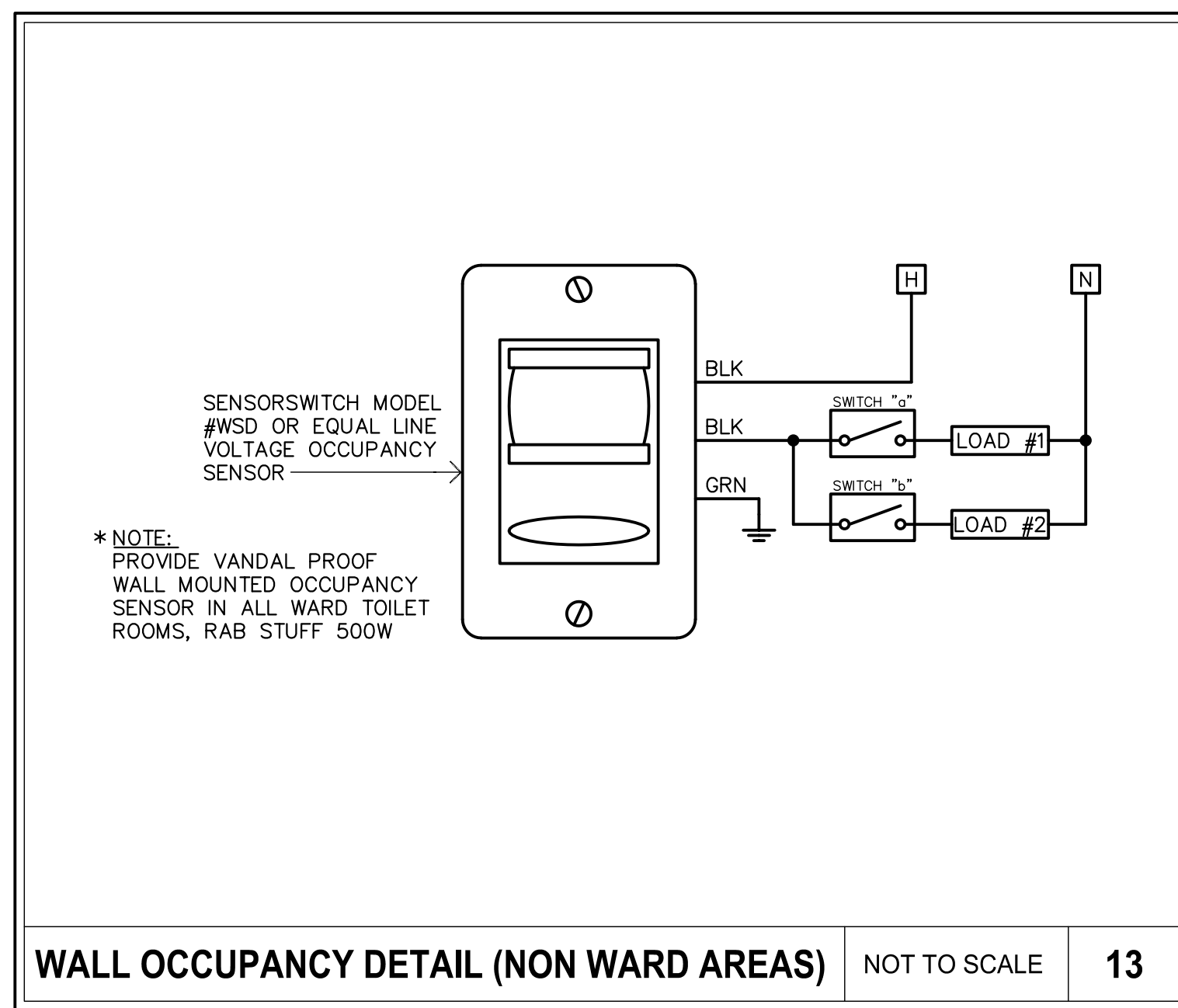
PANEL "EPA1"											
120/208 Volt, 3 Phase, 4 Wire 100 Amp BUS CU.						10 KAIC Rating SURFACE Mounted NEMA 1 Type GENERATOR 106 Location					
100 Amp MLO						PHASE SUMMARY (WATTS)					
CKT	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT
1	20/1	FSD [1]	100						SPARE	20/1	2
3	20/1	CLERESTORY OPERABLE WINDOW		87					SPARE	20/1	4
5	20/1	FIREFIGHTERS SMK CNTL PL [1]			200				SPARE	20/1	6
7	20/1	SPARE							SPACE	FFB	8
9	20/1	SPARE							SPACE	FFB	10
11	20/1	SPARE							SPACE	FFB	12
13	30/3	SPD [3]							SPACE	FFB	14
15	-	-							SPACE	FFB	16
17	-	-							SPACE	FFB	18
PHASE TOTALS						DEMAND LOADS					
A B C						LIGHTING / CONTINUOUS LOAD x 125%					
100 87 200						RECEPTACLES / OTHER x 100%					
						LARGEST MOTOR x 25%					
						TOTAL DEMAND LOADS					
						TOTAL DEMAND AMPS					
						1.1 AMPS					

PANEL AND CIRCUIT BREAKER NOTES:  
 (1) PROVIDE CIRCUIT BREAKER WITH RED HANDLE AND "BLOCK-OFF" DEVICE.  
 (2) PROVIDE STANDARD INTEGRATED SURGE PROTECTION DEVICE: 50KA/PHASE.

PANEL "LVSE"											
120/208 Volt, 3 Phase, 4 Wire 100 Amp BUS CU.						10 KAIC Rating SURFACE Mounted NEMA 1 Type LOW VOLTAGE 403 Location					
100 Amp MLO						PHASE SUMMARY (WATTS)					
CKT	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT
1	20/1	TSWS - 1	430			2,400			SEC1 - PDU	30/1	2
3	20/1	CTVWS - 1		500			2,400		SEC2 - PDU 1	30/1	4
5	20/1	ACS			30			2,400	SEC2 - PDU 2	30/1	6
7	20/1	PLC RELAY	480			180			RECEPTACLE	20/1	8
9	20/1	SPARE					180		RECEPTACLE	20/1	10
11	20/1	PANEL SEC1 - PDU			1,160			180	RECEPTACLE	20/1	12
13	20/1	PANEL SEC2 - PDU	880						SPARE	20/1	14
15	20/1	PANEL SEC2 - PDU 2		900					SPARE	20/1	16
17	20/1	SPARE							SPARE	20/1	18
19	20/1	SPARE							SPARE	20/1	20
21	20/1	SPARE							SPARE	20/1	22
23	20/1	SPARE							SPARE	20/1	24
25	30/3	SPD [1]							SPARE	20/1	26
27	-	-							SPARE	20/1	28
29	-	-							SPARE	20/1	30
PHASE TOTALS						DEMAND LOADS					
A B C						LIGHTING / CONTINUOUS LOAD x 125%					
4,370 3,980 3,770						RECEPTACLES / OTHER x 100%					
						LARGEST MOTOR x 25%					
						TOTAL DEMAND LOADS					
						TOTAL DEMAND AMPS					
						34 AMPS					

PANEL AND CIRCUIT BREAKER NOTES:  
 (1) PROVIDE STANDARD INTEGRATED SURGE PROTECTION DEVICE: 50KA/PHASE.

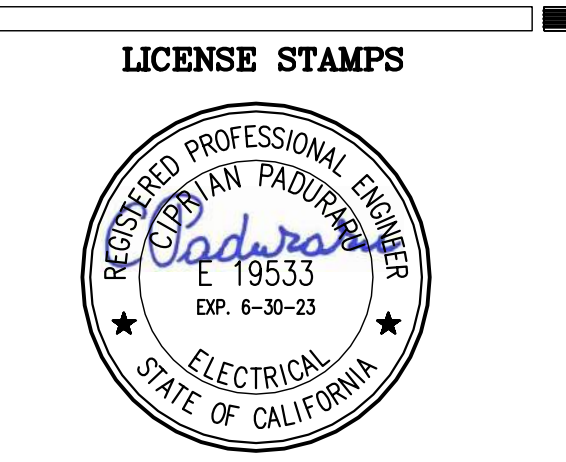
PANEL "P2A"											
120/208 Volt, 3 Phase, 4 Wire 100 Amp BUS CU.						22 KAIC Rating SURFACE Mounted NEMA 1 Type ELEC 297.7 Location					
100 Amp MLO						PHASE SUMMARY (WATTS)					
CKT	BKR	DESCRIPTION	A	B	C	A	B	C	DESCRIPTION	BKR	CKT
1	20/1	SYSTEMS FURNITURE			720	1,260			OFFICE RECEPTACLES	20/1	2
3	20/1	SYSTEMS FURNITURE			720		1,080		OFFICE RECEPTACLES	20/1	4
5	20/1	SYSTEMS FURNITURE			720			1,500	OFFICE RECEPTACLES	20/1	6
7	20/1	SYSTEMS FURNITURE			720			1,260	OFFICE RECEPTACLES	20/1	8
9	20/1	WORK ROOM RECEPTACLES			360			1,080	OFFICE RECEPTACLES	20/1	10
11	20/1	WORK ROOM RECEPTACLES			540			1,080	OFFICE RECEPTACLES	20/1	12
13	15/1	GWH-1 IGNITER	50				900		RECEPTACLES	20/1	14
15	15/1	CR-1		50				360	DRAWING FOUNTAIN	20/1	16
17	20/1	SPARE						900	OFFICE RECEPTACLES	20/1	18
19	20/1	SPARE							SPARE	20/1	20
21	20/1	SPARE					1,440		HALL/LOBBY RECEPTACLES	20/1	22
23	20/1	SPARE							SPACE	FFB	24
25	20/1	SPARE							SPACE	FFB	26
27	20/1	SPARE							SPACE	FFB	28



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 p 916-771-0778  
 www.lpsngineers.com  
 Job #: 17-2264



**PROJECT NAME**  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 676 5th STREET  
 EUREKA, CA 95601

**SHEET TITLE**  
**ELECTRICAL DETAILS**

**DRAWING STATUS**  
**WORKING DRAWINGS**

REVISIONS	
Sym. Description	Date

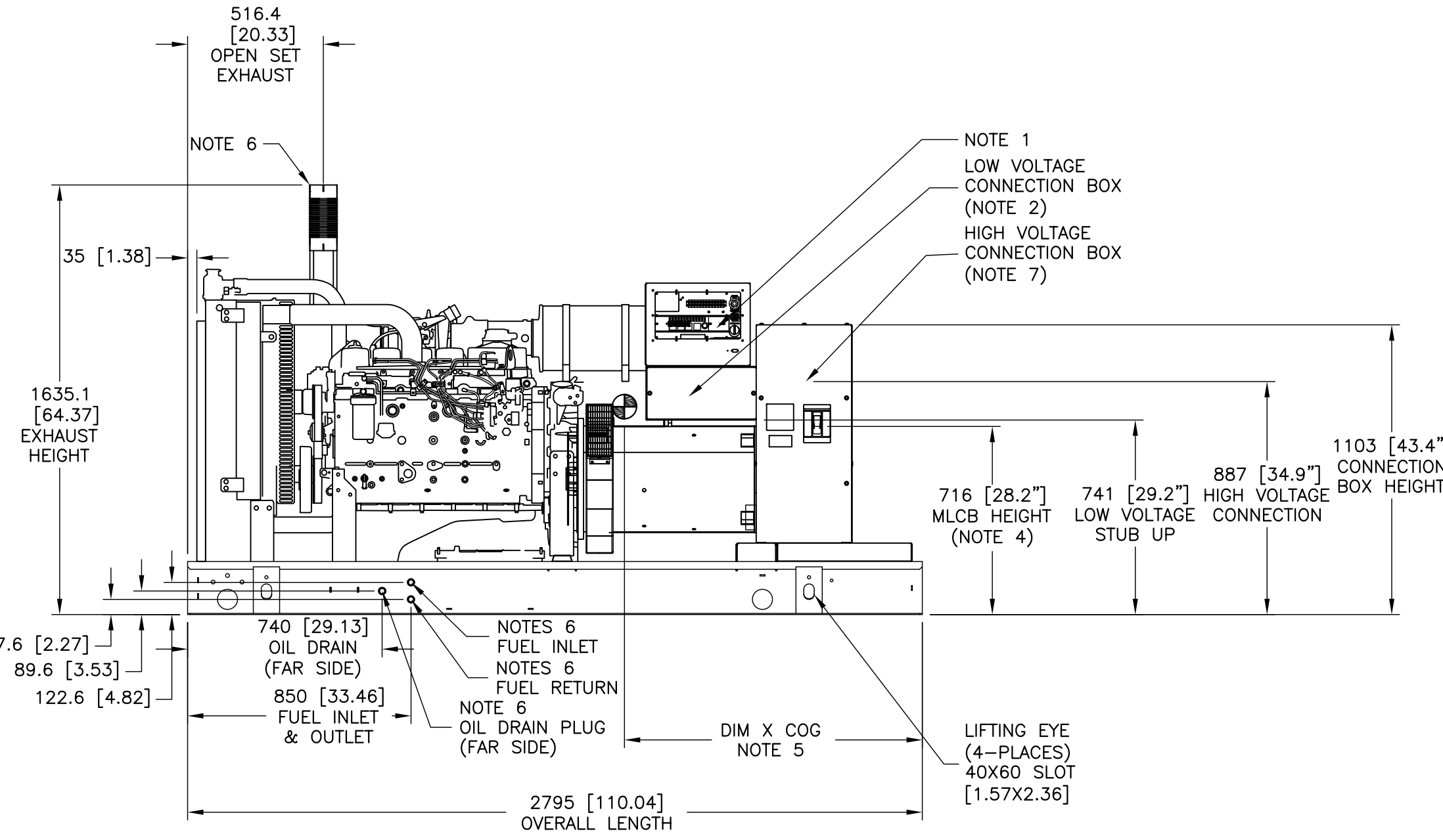
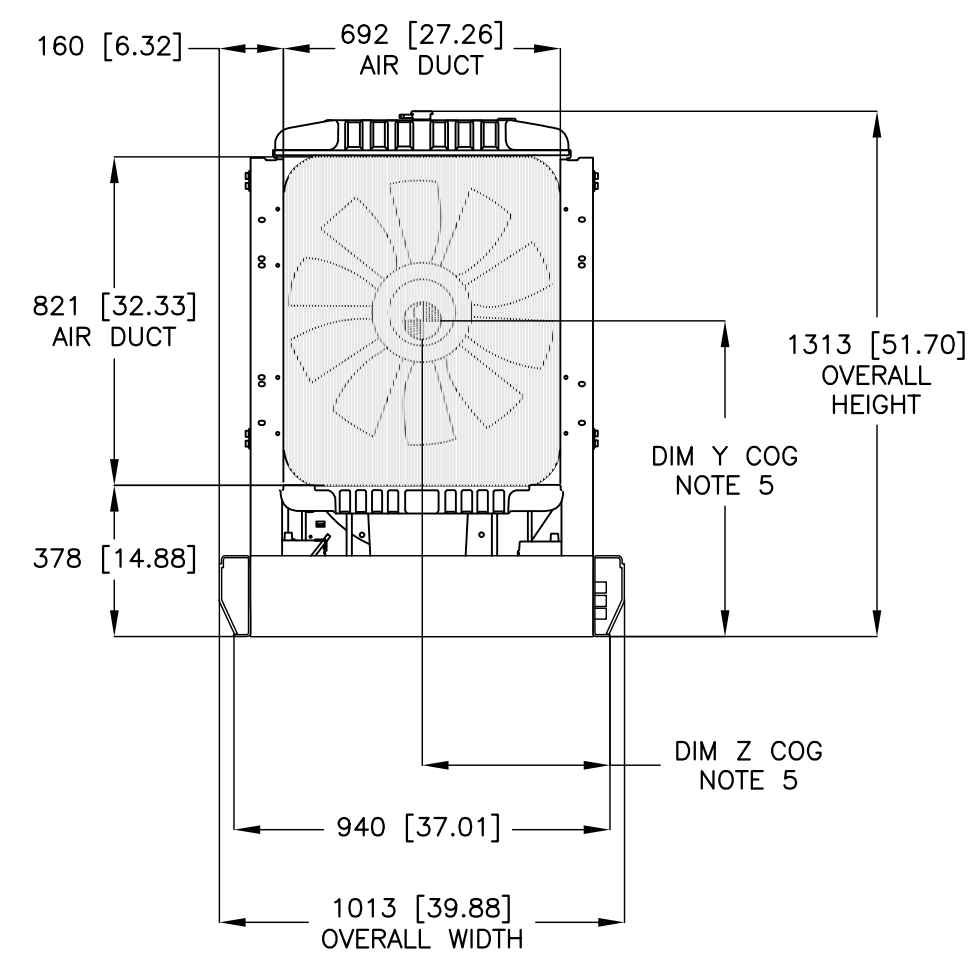
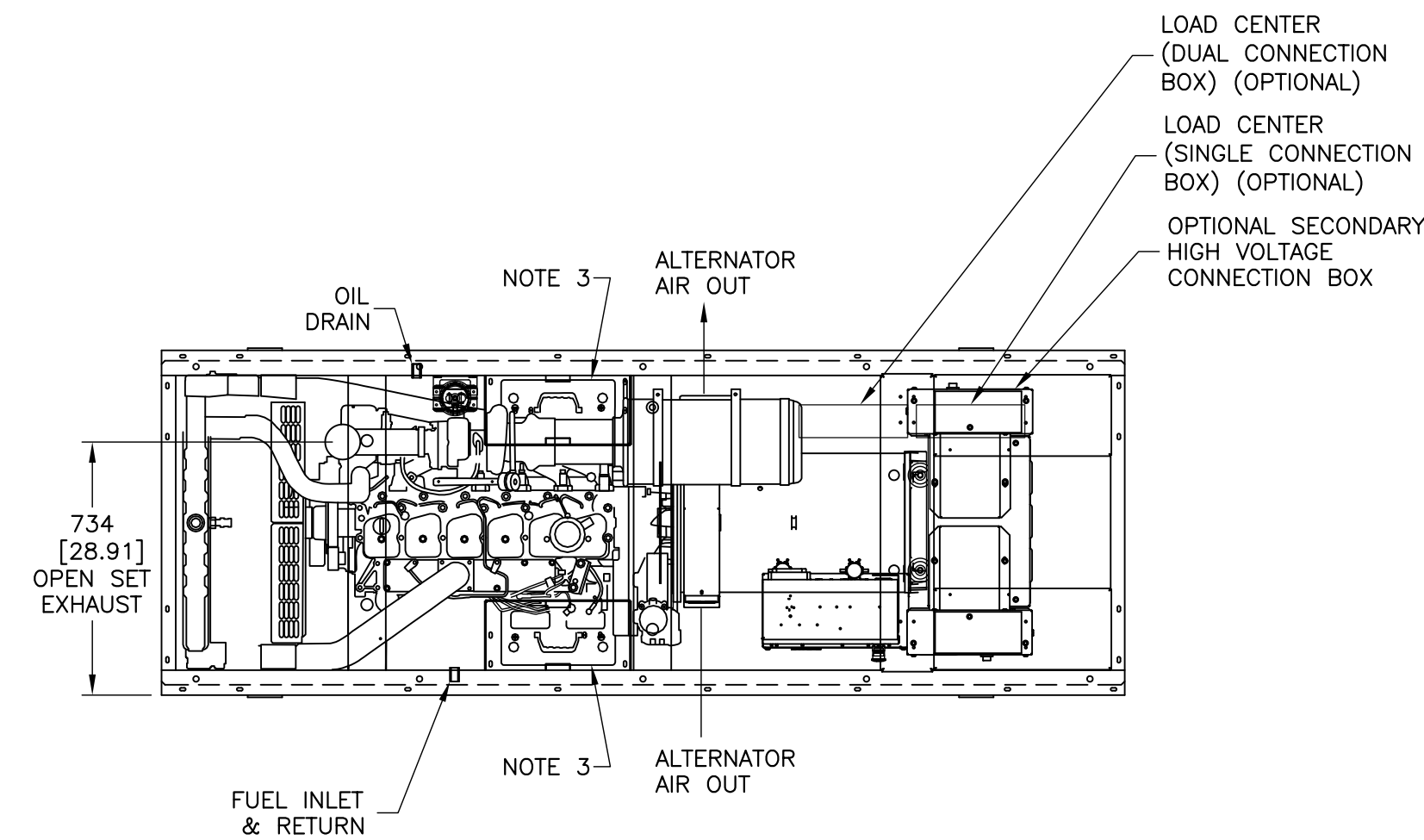
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**Date issued** 09.19.2022  
**Scale** AS NOTED  
**Project No.** 16-6421.00

**SHEET No.**  
**E-501 V4**

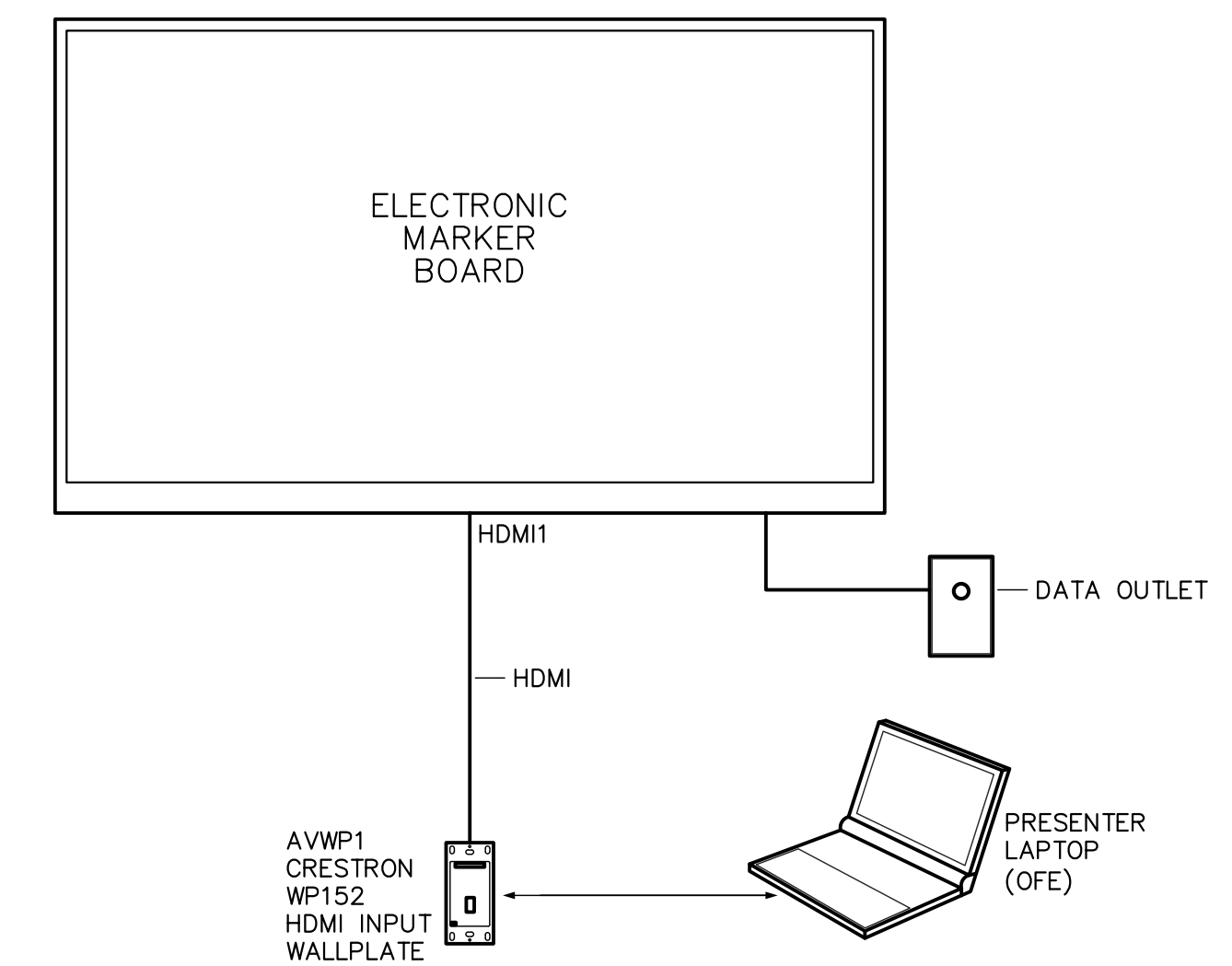
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 PLOT: 172264.dwg

- Notes:
- CONTROL PANEL
  - CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STUB-UP AREA).
  - BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
  - MAIN LINE CIRCUIT BREAKER (MLCB), AC LOAD LEADS, (DIMENSIONS MAY VARY DUE TO UNIT CONFIGURATION).
  - CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
  - ENGINE SERVICE CONNECTIONS:  
 INLET NATURAL GAS = N/A  
 INLET DIESEL = 1/2" NPT COUPLING  
 RETURN DIESEL = 1/2" NPT COUPLING  
 OIL DRAIN = 1/2" NPT COUPLING  
 RADIATOR DRAIN = N/A  
 FLEX PIPE OUTLET = 4" I.D.  
 EXHAUST OUTLET = N/A  
 \*\*\*\*\* SEE GENERATOR SIZING GUIDE FOR FUEL PIPE SIZING TO SUIT APPLICATION \*\*\*\*\*
  - AUXILIARY AC CONNECTION FOR UNIT OPTIONS ARE LOCATED IN HIGH VOLTAGE CONNECTION BOX, UNLESS AN OPTIONAL LOAD CENTER IS INSTALLED.
  - EXHAUST PIPES MAY BE ROTATED TO ALLOW MUFFLER TO POINT OUT TO THE RIGHT OR LEFT SIDE OF GENERATOR. (MAY NOT APPLY TO ALL UNITS).
  - GENERATOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND DISCHARGE AIR FROM THE RADIATOR IS NOT RECIRCULATED.
  - BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
  - EXHAUST SYSTEM MAXIMUM BACK PRESSURE = 20" H2O.
  - INSTALL EXHAUST BLANKETS ALONG THIS LINE.
  - EXHAUST SYSTEM MAXIMUM BACK PRESSURE = 20" H2O.
  - CONNECT THE OPEN SET EXHAUST PER NFPA 37.
  - BOLTS OR STUDS USED TO MOUNT UNIT TO PAD, SHALL BE 5/8"-11 GRADE 5. USE STANDARD SAE TORQUE SPECS.

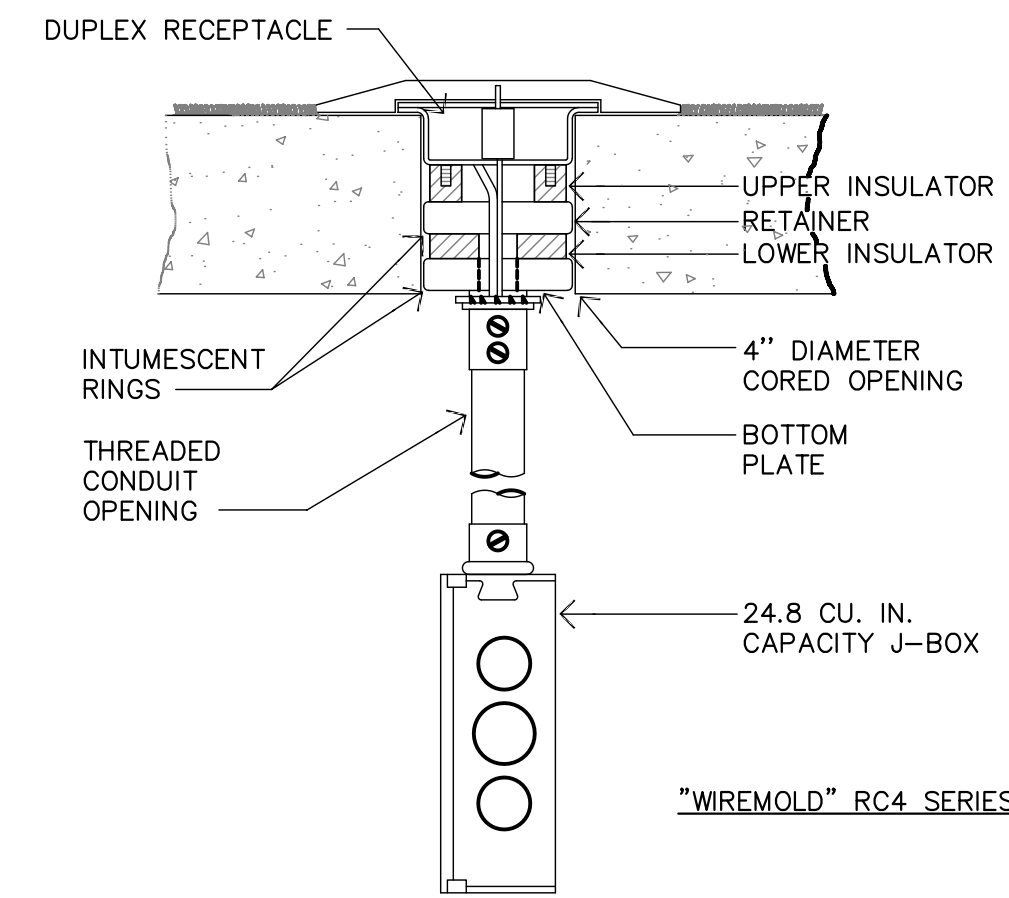
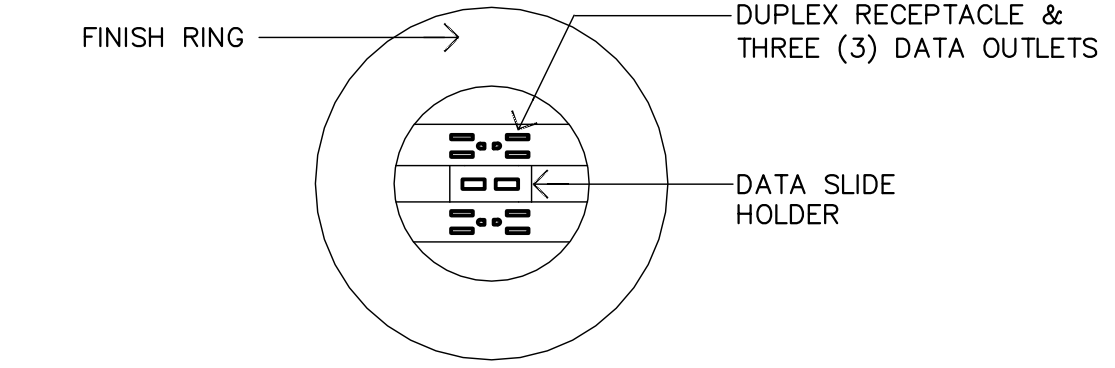
ADDITIONAL NOTES: FOR WEIGHT AND CENTER OF GRAVITY DATA SEE NOTE 6, AND SHEET 3.



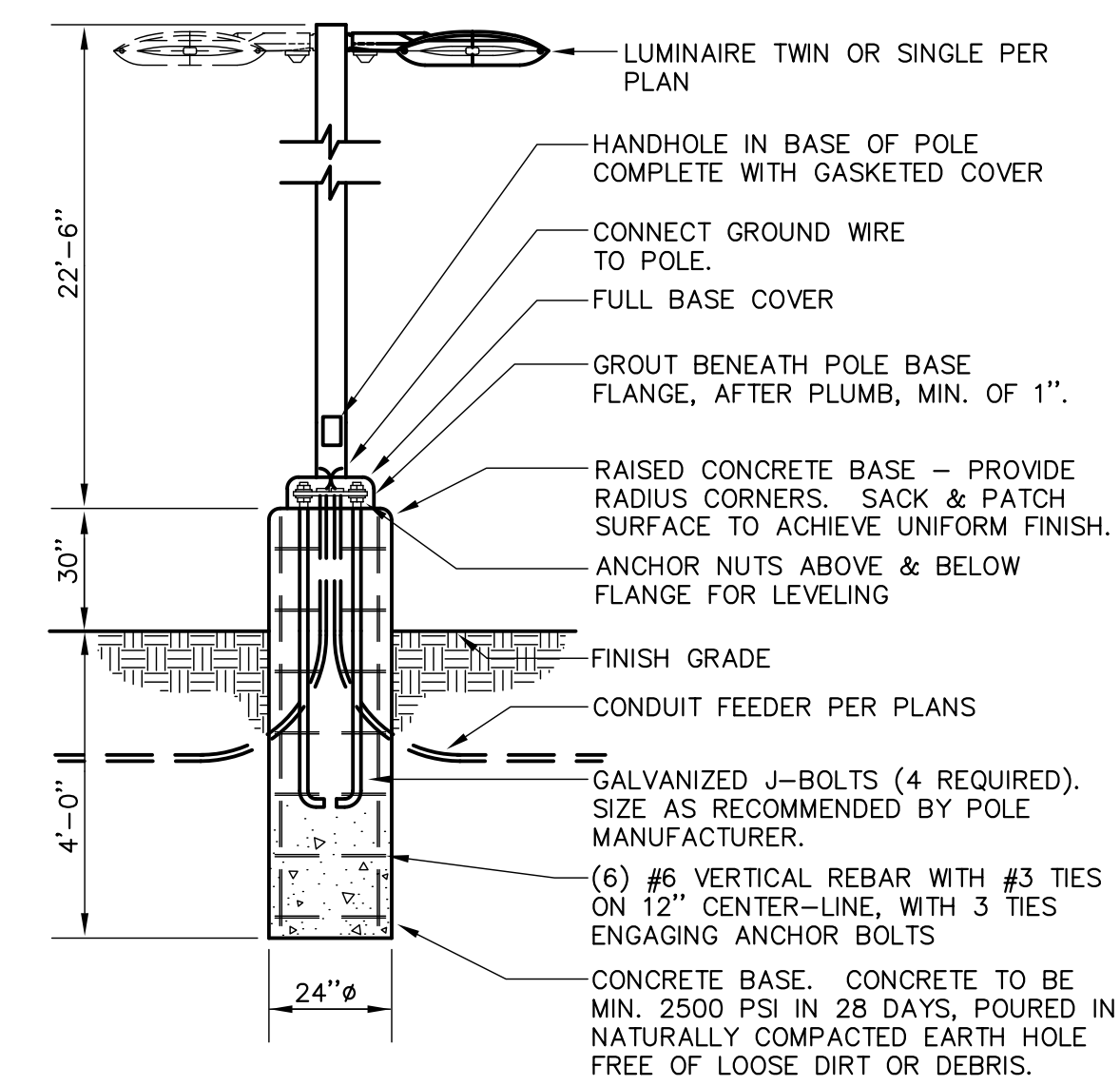
GENERATOR DETAIL NOT TO SCALE 2



TYPICAL ELECTRONIC MARKER BOARD DIAGRAM NOT TO SCALE 1



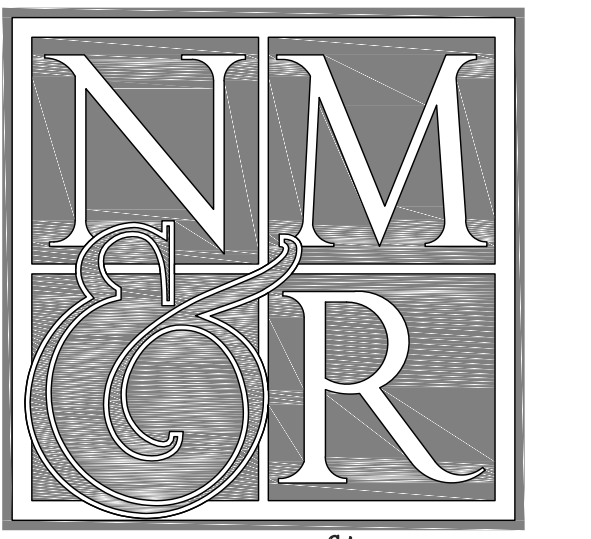
POKE-THRU POWER/DATA FLOOR OUTLET DETAIL NOT TO SCALE 3



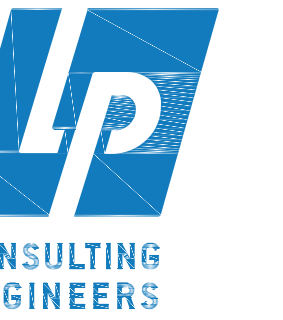
POLE FIXTURE DETAIL NOT TO SCALE 4



Approval of these plans does not authorize or approve any construction or installation from any jurisdiction not specifically approved by the State Fire Marshal. Approval is subject to field inspection. Other set of approved plans shall be available on the project site at all times.

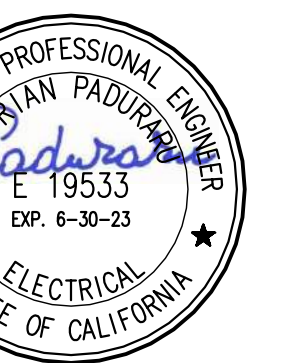


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Job #: 17-2264

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
876 5th STREET  
EUREKA, CA 95501

SHEET TITLE

ELECTRICAL DETAILS

DRAWING STATUS

WORKING DRAWINGS

REVISIONS

Sym.	Description	Date

Drawn By **BS**  
Date Issued **09.19.2022**  
Scale **AS NOTED**  
Project No. **16-6421.00**

SHEET No.  
**E-502 V4**



Calculation Summary						
Scene: EM						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
EM 297_6_Floor	Illuminance	Fc	6.62	7.4	6.2	1.07
EM CORRIDOR 295_Floor	Illuminance	Fc	2.34	4.9	0.2	11.70
EM CORRIDOR_Floor	Illuminance	Fc	2.20	5.0	0.1	22.00
EM CULINARY_Floor	Illuminance	Fc	1.63	5.7	0.2	8.15
EM ELEC 297_Floor	Illuminance	Fc	6.50	7.4	5.3	1.23
EM ELEV LOBBY 299_Floor	Illuminance	Fc	2.59	4.3	1.0	2.59
EM LOBBY 295_Floor	Illuminance	Fc	2.86	4.4	1.1	2.60
EM PROGRAM 1_Floor	Illuminance	Fc	1.43	3.2	0.5	2.86
EM PROGRAM 2_Floor	Illuminance	Fc	1.72	3.3	0.5	3.44
EM PROGRAM 3_Floor	Illuminance	Fc	1.98	3.5	0.7	2.83
EM STAFF BREAK 297_Floor	Illuminance	Fc	0.88	4.8	0.0	N.A.
EM WORK_Floor	Illuminance	Fc	1.35	4.0	0.0	N.A.
EAST STAIR StatArea	Illuminance	Fc	4.18	7.6	1.2	3.48
WEST STAIR StatArea	Illuminance	Fc	2.80	5.2	1.2	2.33

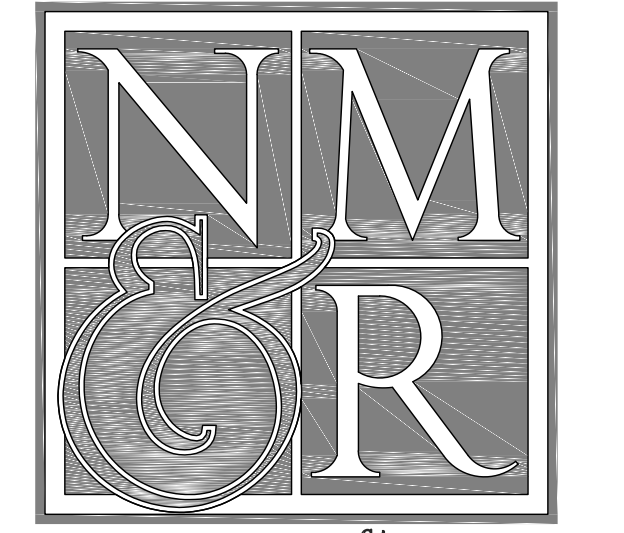
Luminaire Schedule							
Scene: EM							
Symbol	Qty	Label	Arrangement	Description	Lum. Lumens	LLF	Filename
[Symbol]	4	AE	SINGLE	WILLIAMS AT2-24-L70-835-D-EM/10W-DIM-UNV	6878	0.900	AT2-24-L70-835-D-DIM-UNV.IES
[Symbol]	10	BE	SINGLE	WILLIAMS AT2-24-L40-835-D-EM/10W-DIM-UNV	4013	0.900	AT2-24-L40-830-D-DIM-UNV.IES
[Symbol]	1	CE	SINGLE	WILLIAMS 50G-S24-L59-835-S-X21-PA250-VLF-EM/10W-DI	5884	0.900	50G-S24-L59-835-SAF12125-xxxx.ies
[Symbol]	2	DE	SINGLE	LIGHTOLIER P6RDL20835CL210UEM	3259	0.594	P6RDL30835CL210U.ies
[Symbol]	5	FE	SINGLE	WILLIAMS SLF-4-L52-835-HIA/TP-EM/10W-OCCWS-FSP-211	5092	0.900	SLF-4-L52-835-HIA-DIM-UNV.ies
[Symbol]	2	N1E	SINGLE	WILLIAMS 39-4-L52-835-A-EM/10W-DIM-UNV	5206	0.900	39-4-L52-835-A-DIM-UNV.ies
[Symbol]	4	P	SINGLE	WILLIAMS 12-2-L43-835-SAF12125-(L26)-DIM-UNV	4214	0.540	12-2-L43-835-SAF12125-DIM-UNV.ies
[Symbol]	3	PE	SINGLE	WILLIAMS 12-2-L43-835-SAF12125-(L26)-EM/10W-DIM-UNV	4214	0.540	12-2-L43-835-SAF12125-DIM-UNV.ies

### WALL LEGEND

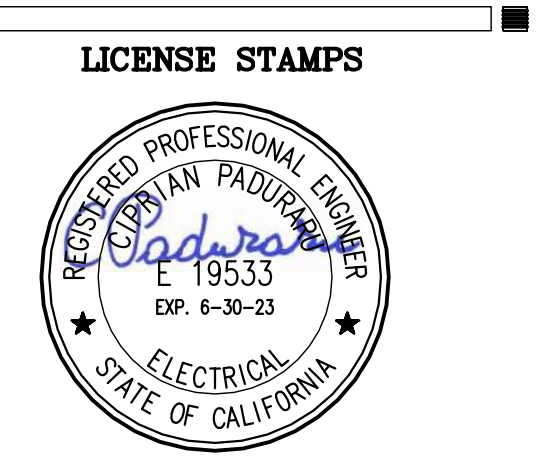
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- 3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
- 3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED 12" INSULATED CMU NON-BEARING WALL
- 3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
- 3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
- NON-RATED CONCRETE SITE RETAINING WALL
- 3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
- METAL STUD WALL 1 HOUR PROTECTED OPENINGS
- METAL STUD WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED METAL STUD WALL
- LINE OF WALL BELOW GRADE



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 Job #: 17-2264



**PROJECT NAME**  
 HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER  
 876 5th STREET  
 EUREKA, CA 95501

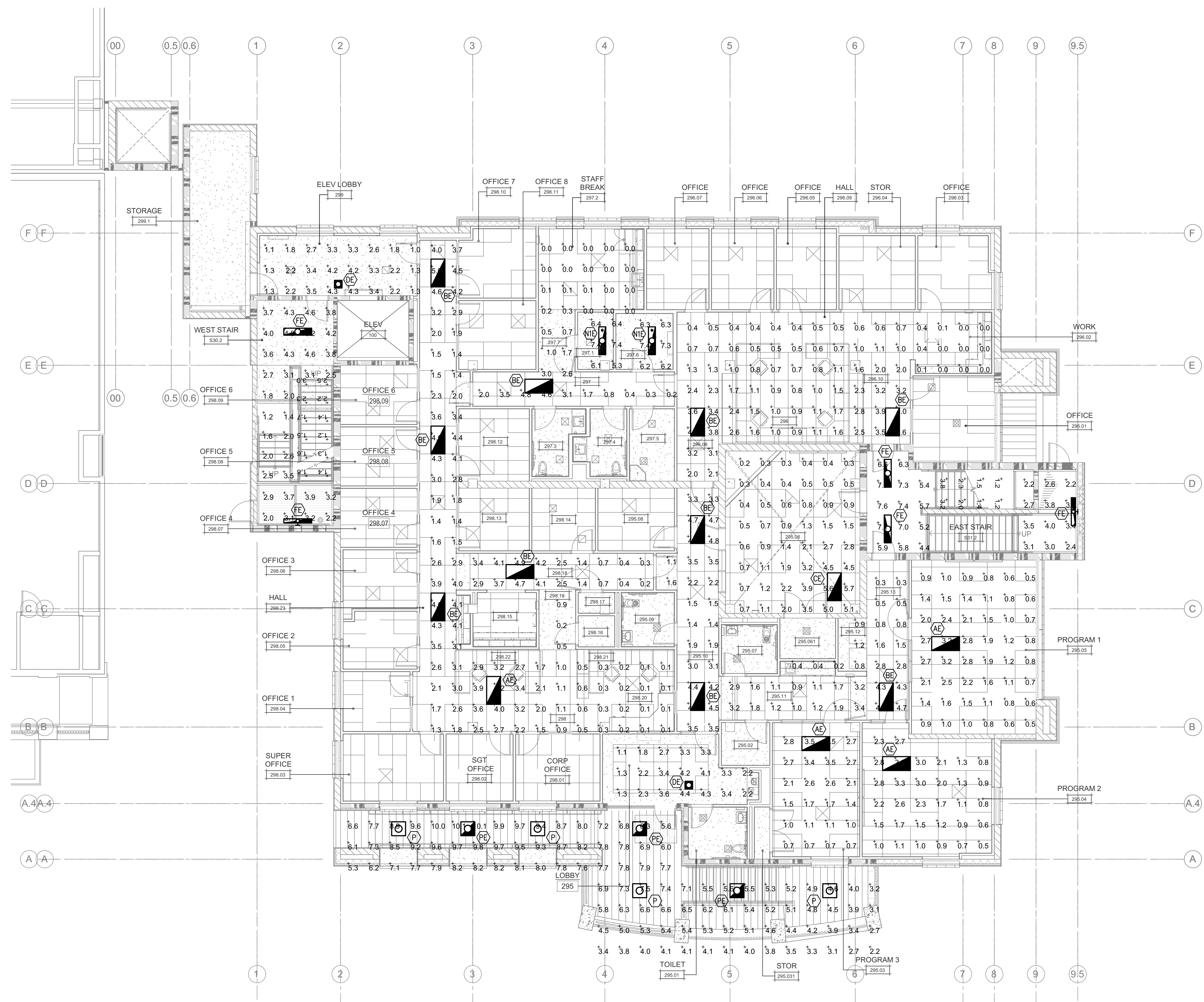
**SHEET TITLE**  
 EMERGENCY LIGHTING  
 PHOTOMETRICS  
 - LEVEL 2

**DRAWING STATUS**  
 WORKING DRAWINGS

REVISIONS		
Sym.	Description	Date

**Drawn By** BS  
**Date issued** 09.19.2022  
**Scale** 1/8" = 1'-0"  
**Project No.** 16-6421.00

**SHEET No.**  
**E-612 V4**



**EMERGENCY LIGHTING PHOTOMETRICS - LEVEL 2**  
 SCALE 1/8" = 1'-0"

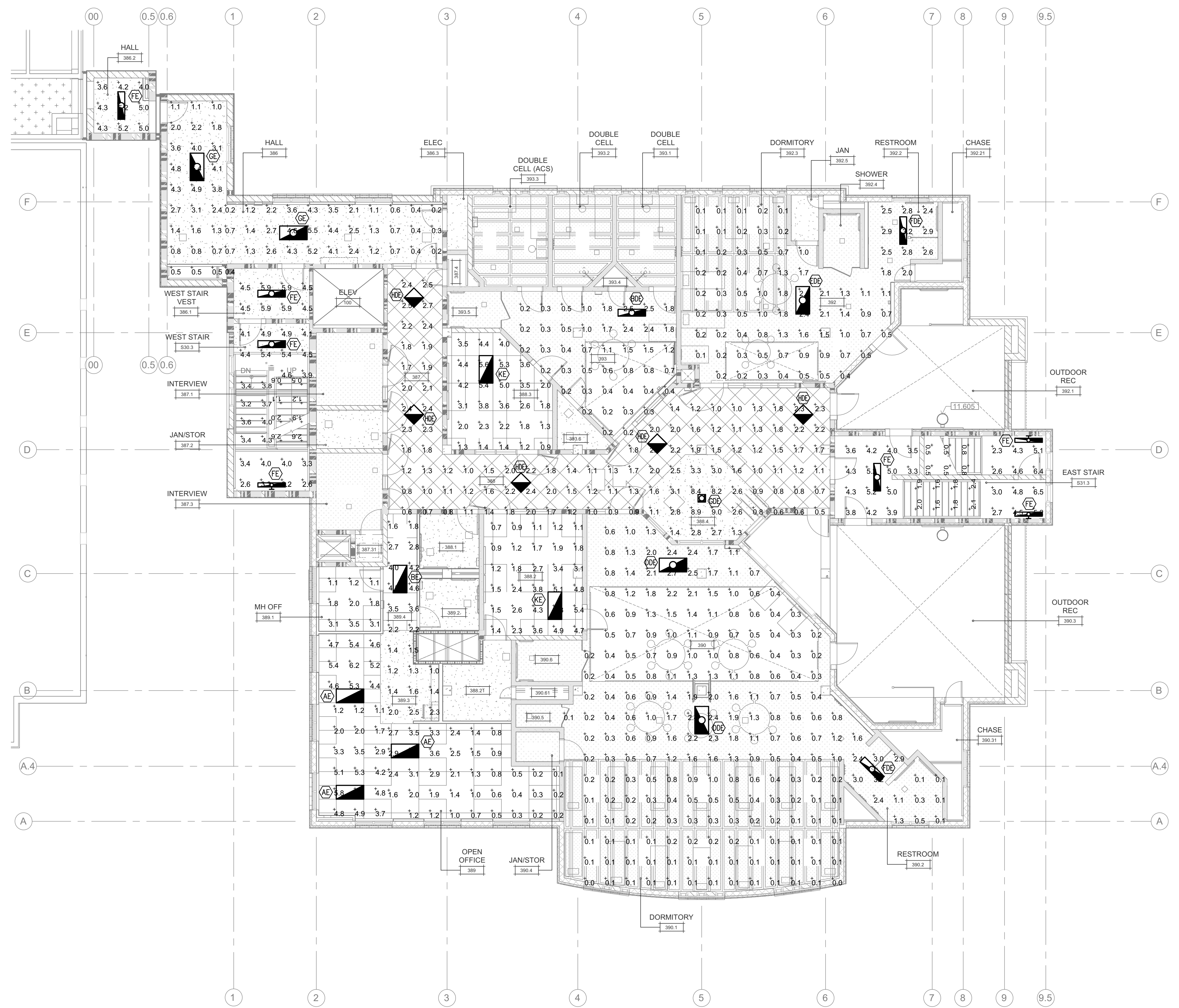
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 PLOT Date: September 20, 2022 - 05:14 am  
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Luminaire Schedule							
Scene: EM							
Symbol	Qty	Label	Arrangement	Description	Lum. Lumens	LLF	Filename
	1	AE	SINGLE	WILLIAMS AT2-24-L70-835-D-EM/10W-DIM-UNV	6878	0.900	AT2-24-L70-835-D-DIM-UNV.IES
	1	BE	SINGLE	WILLIAMS AT2-24-L40-835-D-EM/10W-DIM-UNV	4013	0.900	AT2-24-L40-835-D-DIM-UNV.IES
	1	BDE	SINGLE	KENALL SDSA-4-0/0-1-45L35K-DCC-1-DV-1/8-1-LEL	3605	0.900	SDSA-4-11-1-45L35K-DCC-1-DV-YB.1
	2	DDE	SINGLE	KENALL SCD-4-11-45L35K-DCC-DV-1/G-1-EL-DLN	8537	0.450	SCD-4-11-90L35K-DCC-1-DV-YB-1.1e
	1	EDE	SINGLE	KENALL RMCD-4-FLTR-0/0-45L35K-DCC-DV-1/G-1	3949	0.900	RMCD-4-TG-11-45L35K-DCC-DV-YB.1e
	6	FE	SINGLE	WILLIAMS SLF-4-L52-835-HIA/TP-EM/10W-OCCWS-FSP-211	5092	0.900	SLF-4-L52-835-HIA-DIM-UNV.ies
	2	FDE	SINGLE	KENALL SDA-4-0/0-50L40K-DCC-DV-1/G-1-EL-DLN	3442	0.900	SDSALED-4-33-1-50L40K-DCC-DV-1B-
	2	GE	SINGLE	WILLIAMS 12-4-L84-835-SAF-12125-(L50)-EM/10W-DIM-UN	8423	0.531	12-4-L84-835-SAF-12125-xxxx-xxx.1E
	1	GDE	SINGLE	KENALL HADL6-FF-2FW-55L-35K8-M-CS-G-RIG6-DV-DIM-1-L	4461	0.900	HADL6-yF-XXX-55L-35K8-M-CS-G.ies
	5	HDE	SINGLE	KENALL RMCD-2-TG-0/0-45L35K-DCC-DV-1/8-1-EL	3475	0.900	RMCD-2-TG-11-45L35K-DCC-DV-YB.1e
	4	KE	SINGLE	WILLIAMS 50G-S24-L59-835-SAF-19156-EM/10W-DIM-UNV	5884	0.900	50G-S24-L59-835-SAF-12125-xxxx-xxx

### WALL LEGEND

- 3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
- 3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
- 3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED 12" INSULATED CMU NON-BEARING WALL
- 3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
- 3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED CMU WALL NON-BEARING UNPROTECTED OPENINGS
- 3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
- NON-RATED CONCRETE SITE RETAINING WALL
- 3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
- METAL STUD WALL 1 HOUR PROTECTED OPENINGS
- METAL STUD WALL 2 HOUR PROTECTED OPENINGS
- NON-RATED METAL STUD WALL
- LINE OF WALL BELOW GRADE

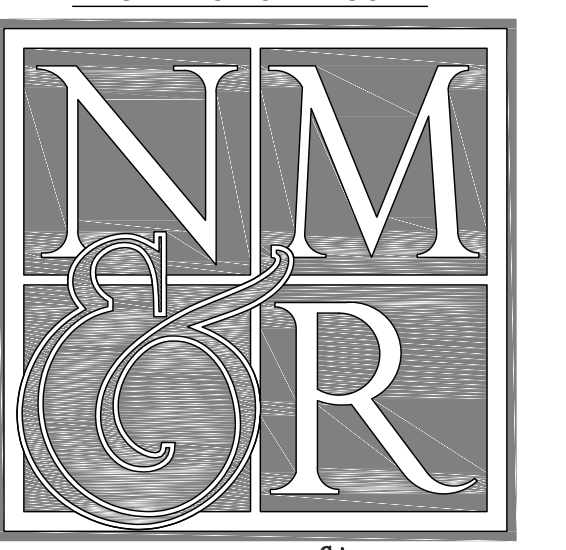
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Scene: EM							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
EM BRIDGE 386_Floor	Illuminance	Fc	1.82	5.5	0.2	9.10	27.50
EM DAYROOM 393_Floor	Illuminance	Fc	0.82	2.5	0.2	4.10	12.50
EM DORMITORY 390_Floor	Illuminance	Fc	0.74	3.2	0.0	N.A.	N.A.
EM DORMITORY 392_Floor	Illuminance	Fc	0.96	3.2	0.1	9.60	32.00
EM HALL 387_Floor	Illuminance	Fc	1.89	9.0	0.5	3.78	18.00
EM MH OFF 389_1_Floor	Illuminance	Fc	3.58	6.2	1.1	3.25	5.64
EM MH OFF 389_2_Floor	Illuminance	Fc	3.53	6.1	1.1	3.21	5.55
EM OPEN OFFICE 389_Floor	Illuminance	Fc	1.85	4.6	0.1	18.50	46.00
EM PROGRAM CLASSROOM 388_Floor	Illuminance	Fc	3.02	5.6	0.9	3.36	6.22
EM PROGRAM CLASSROOM 388_Floor	Illuminance	Fc	2.63	5.8	0.7	3.76	8.29
EM WEST STAIR LOBBY 386_Floor	Illuminance	Fc	5.20	5.9	4.5	1.16	1.31
EAST STAIR StatArea	Illuminance	Fc	3.26	6.5	0.5	6.52	13.00
WEST STAIR StatArea	Illuminance	Fc	3.37	5.4	0.5	6.74	10.80



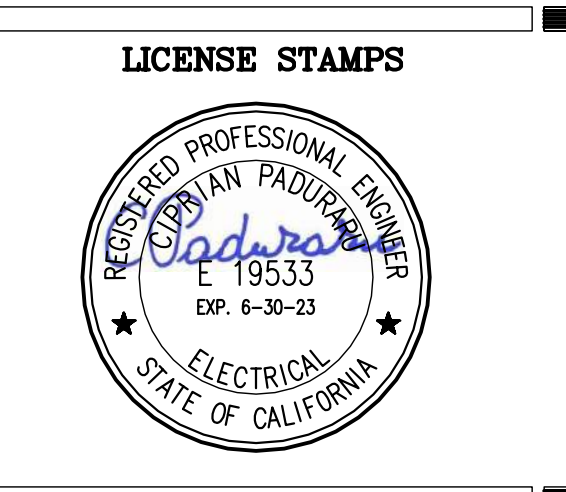
**1 EMERGENCY LIGHTING PHOTOMETRICS - LEVEL 3**  
SCALE 1/8" = 1'-0"



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Job #: 17-2264



**PROJECT NAME**  
HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER  
676 5th STREET  
EUREKA, CA 95501

**SHEET TITLE**  
EMERGENCY LIGHTING  
PHOTOMETRICS  
- LEVEL 3

**DRAWING STATUS**  
WORKING DRAWINGS

REVISIONS	
Sym.	Description Date

**Drawn By** BS  
**Date issued** 09.19.2022  
**Scale** 1/8" = 1'-0"  
**Project No.** 16-6421.00

**SHEET No.**  
**E-613 V4**

User: Name: lsc2839  
 Plot Date: September 20, 2022 - 9:51 am  
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Luminaire Schedule							
Scene: EM							
Symbol	Qty	Label	Arrangement	Description	Lum. Lumens	LLF	Filename
	2	FE	SINGLE	WILLIAMS SLF-4-L52-835-HIA/TP-EM/10W-OCWS-FSP-211	5092	0.900	SLF-4-L52-835-HIA-DIM-UNV_ies
	4	NTE	SINGLE	WILLIAMS 39-4-L52-835-A-EM/10W-DIM-UNV	5206	0.900	39-4-L52-835-A-DIM-UNV_ies

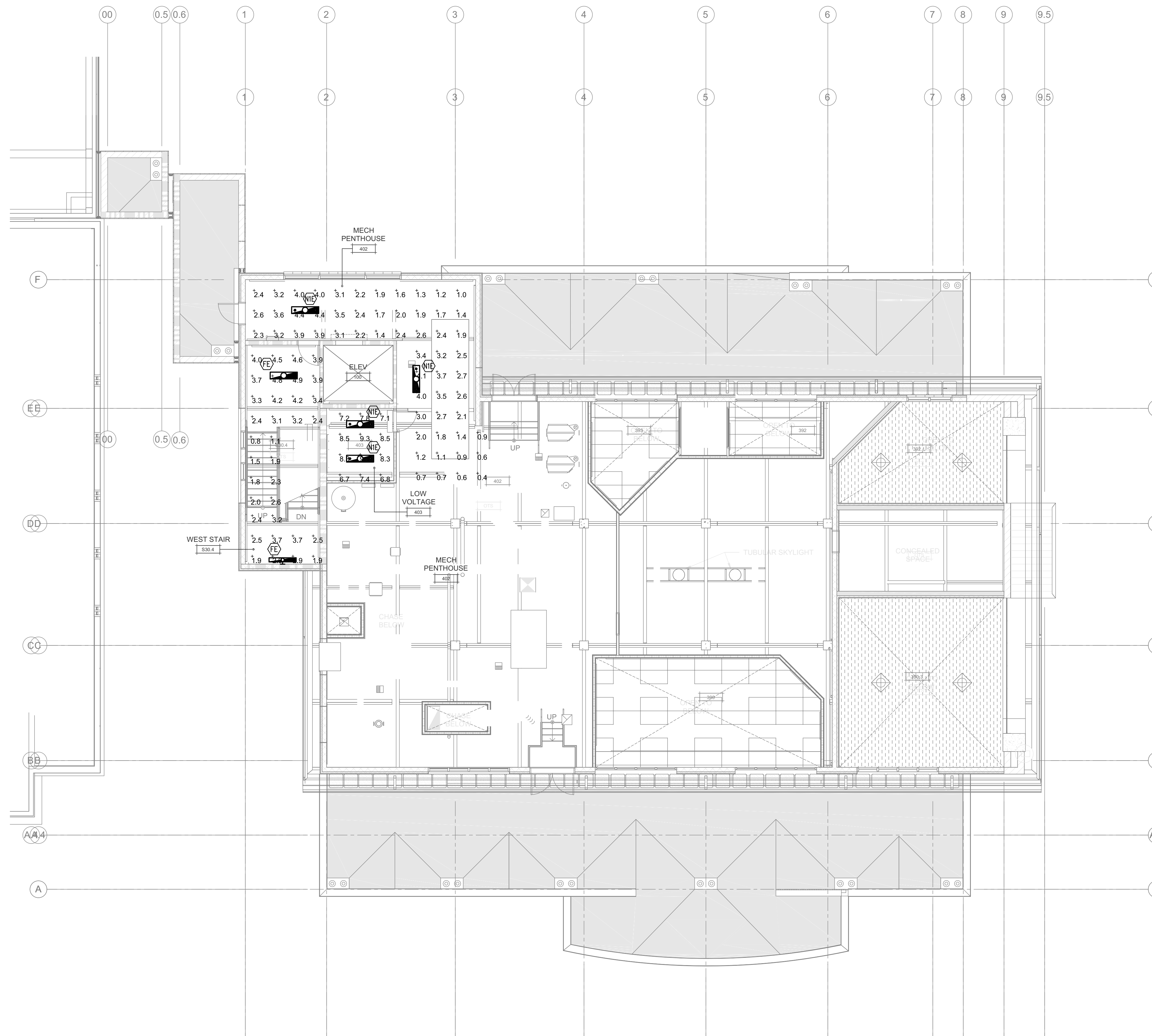
Calculation Summary							
Scene: EM							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
EM MECH PENTHOUSE 402_Floor	Illuminance	Fc	2.36	4.4	0.4	5.90	11.00
EM SE LOW VOLTAGE 403_Floor	Illuminance	Fc	7.92	9.3	6.7	1.18	1.39
WEST STAIR StatArea	Illuminance	Fc	3.00	4.9	0.8	3.75	6.13

### WALL LEGEND

	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED 12" INSULATED CMU NON-BEARING WALL
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED CMU WALL NON-BEARING UNPROTECTED OPENINGS
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
	NON-RATED CONCRETE SITE RETAINING WALL
	3 HOUR 8" METAL STUD BEARING WALL UNPROTECTED OPENINGS
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS
	NON-RATED METAL STUD WALL
	LINE OF WALL BELOW GRADE

### GENERAL NOTES

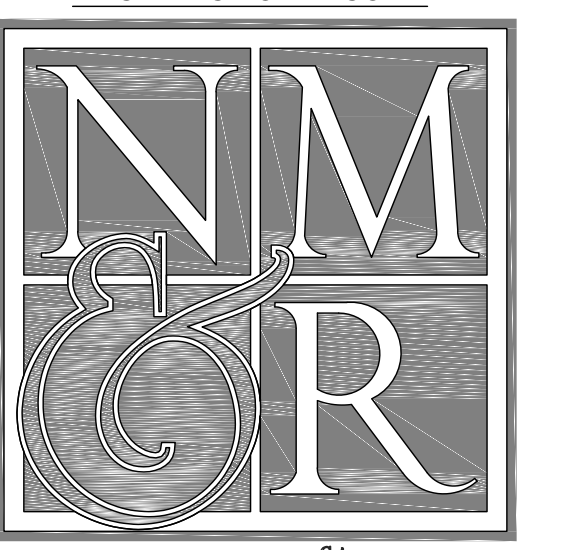
- COORDINATE EXACT LOCATIONS FOR ALL LIGHTING FIXTURES WITH MECHANICAL CONTRACTOR AT JOBSITE TO AVOID CONFLICTS WITH MECHANICAL AND PLUMBING EQUIPMENT, PIPING SYSTEMS AND DUCT WORK. INSTALL FIXTURES AT +10'-0" AFF.



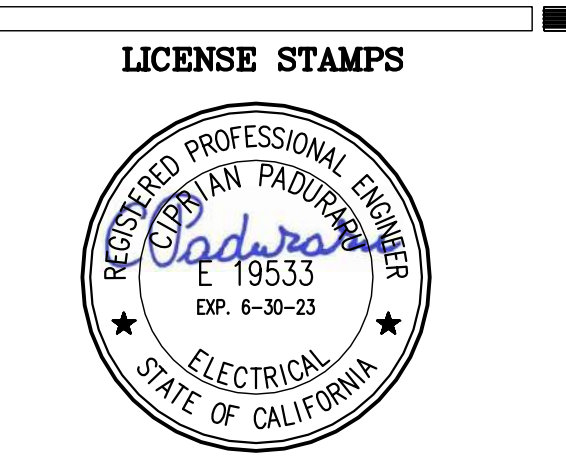
1 EMERGENCY LIGHTING PHOTOMETRICS - ROOF  
SCALE 1/8" = 1'-0"



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Job #: 17-2264



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
876 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
EMERGENCY LIGHTING  
PHOTOMETRICS  
- ROOF

DRAWING STATUS  
WORKING DRAWINGS

REVISIONS		
Sym.	Description	Date

Drawn By **BS**  
Date issued **09.19.2022**  
Scale **1/8" = 1'-0"**  
Project No. **16-6421.00**

SHEET No.  
**E-614 V3**

L009\_Names\_12/28/23  
 Plot Date: September 20, 2022 - 9:51 am  
 File Name: P:\Projects\160307\_LP\Projects\17-2264\_Humboldt County Reentry Facility\Discipline Sheets\172264\_E-614.dwg  
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STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Page 3 of 6)

Indoor Lighting Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

**E. Declaration of Required Certificates of Acceptance**

Declare by selecting yes for all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	FORM/TITLE	Field Inspector
<input type="radio"/>	<input type="radio"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input type="checkbox"/>

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:  CONDITIONED SPACE  UNCONDITIONED SPACE

**F. Indoor Lighting Schedule and Field Inspection Energy Checklist**

The actual indoor lighting power listed on the next 2 pages includes all installed permanent and planned portable lighting systems.  
 When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.  
 When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines.  
 Also include track lighting in schedule, and submit the track lighting compliance document (NRCC-LTI-05-E) when line-voltage track lighting is installed.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E (Revised 04/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E (Page 1 of 3)

Indoor Lighting - Lighting Controls Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

**A. Mandatory Lighting Control Declaration Statements** (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
<input type="radio"/>	<input type="radio"/>	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
<input type="radio"/>	<input type="radio"/>	Lighting shall be controlled by a lighting control system or energy management control system in accordance with Section 110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
<input type="radio"/>	<input type="radio"/>	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with Section 110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
<input type="radio"/>	<input type="radio"/>	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
<input type="radio"/>	<input type="radio"/>	All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
<input type="radio"/>	<input type="radio"/>	All luminaires shall be functionally controlled with manual ON and OFF lighting controls in accordance with Section 130.1(a).
<input type="radio"/>	<input type="radio"/>	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a).
<input type="radio"/>	<input type="radio"/>	The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
<input type="radio"/>	<input type="radio"/>	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-Off control requirements in Section 130.1(c).
<input type="radio"/>	<input type="radio"/>	Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
<input type="radio"/>	<input type="radio"/>	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
<input type="radio"/>	<input type="radio"/>	Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-off controls, and demand responsive controls.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2017

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E (Revised 04/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E (Page 3 of 3)

Indoor Lighting - Lighting Controls Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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

Documentation Author Name: Emmanuel Bautista-Dizon Signature Date: 05/20/2020

Company: LP Consulting Engineers, Inc. Address: 1209 Pleasant Grove Blvd. City/State/Zip: Roseville, CA 95678 Phone: 916-771-0778

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

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

- The information provided on this Certificate of Compliance is true and correct.
- 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).
- 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.
- 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.
- 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: Ciprian Paduraru Signature Date: 05/20/2020

Company: LP Consulting Engineers, Inc. Address: 1209 Pleasant Grove Blvd. City/State/Zip: Roseville, CA 95678 License: E19533 Phone: 916-771-0778

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2017

STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Page 2 of 6)

Indoor Lighting Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

**C. Summary of Allowed Lighting Power**

Conditioned and Unconditioned space Lighting must not be combined for compliance	Indoor Lighting Power for Conditioned Spaces	Indoor Lighting Power for Unconditioned Spaces
	Watts	Watts
01	Installed Lighting NRCC-LTI-01-E, Table H, page 5 6047	Installed Lighting NRCC-LTI-01-E, Table H, page 5 0
02	Portable Only for Offices NRCC-LTI-01-E, Table G, page 4 0	Minus Lighting Control Credits NRCC-LTI-02-E, page 2 0
03	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3) 6047	Adjusted Installed Lighting Power (row 1 minus row 3) 0
Complies ONLY if Installed < Allowed (Box 04 < Box 05)		Complies ONLY if Installed < Allowed (Box 04 < Box 05)
05	Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1 6145.388	Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1 0

**D. Declaration of Required Certificates of Installation**

Declare by selecting yes for all of the Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	Field Inspector
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-01-E - Must be submitted for all buildings	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Page 6 of 6)

Indoor Lighting Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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

Documentation Author Name: Emmanuel Bautista-Dizon Signature Date: 05/20/2020

Company: LP Consulting Engineers, Inc. Address: 1209 Pleasant Grove Blvd. City/State/Zip: Roseville, CA 95678 Phone: 916-771-0778

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- 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.
- 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.
- 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: Ciprian Paduraru Signature Date: 05/20/2020

Company: LP Consulting Engineers, Inc. Address: 1209 Pleasant Grove Blvd. City/State/Zip: Roseville, CA 95678 License: E19533 Phone: 916-771-0778

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E (Revised 04/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E (Page 2 of 3)

Indoor Lighting - Lighting Controls Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:  
 CONDITIONED SPACES  UNCONDITIONED SPACES

**B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist**

Lighting Control Schedule		Standards Complying With 1 (✓ all that apply, or leave empty if Exempted)															PAF Credit Calculation 2		Field Inspector		
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	Watts of Controlled Lighting	Watts of Controlled Lighting	PAF	Control Credit (1) x (2)	✓ if Acceptance Test Required	Field Inspector	
Location in Building	Type/Description of Lighting Control (i.e., occupancy sensor, automatic time switch, dimmer, automatic daylight, etc.)	# of Units	\$130.1(a)	\$130.1(b)	\$130.1(c)	\$130.1(d)	\$130.1(e)	\$130.1(f)	\$130.1(g)	\$130.1(h)	\$130.1(i)	\$130.1(j)	\$130.1(k)	\$130.1(l)	\$130.1(m)	\$130.1(n)	\$130.1(o)	PAF <td>Control Credit (1) x (2)</td> <td>✓ if Acceptance Test Required</td> <td>Field Inspector</td>	Control Credit (1) x (2)	✓ if Acceptance Test Required	Field Inspector
Rm 295,296,06,295,07,298,01	(1) Corner M, (1) Wall D	2	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 298,02,298,03,298,04,298,05	(1) Corner M, (1) Wall D	2	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 298,06,298,07,298,08,298,09	(1) Corner M, (1) Wall D	2	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 298,10,298,11,298,12,298,13	(1) Corner M, (1) Wall D	2	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 295,08	(1) Corner M, (1) Wall D	2	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Control Credit PAGE TOTAL (Sum of Column 13):																0	0				
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column 13):																					
See Lighting Controls Symbol Legend on E-002 for Lighting Control Symbol Descriptions.																		Enter Control Credit total into NRCC-LTI-01-E, Page 1.			

1. \$130.1(a) = Manual area controls; \$130.1(b) = Multi Level; \$130.1(c) = Auto Shut-Off; \$130.1(d) = Automatic Daylight; \$130.1(e) = Demand Responsive; \$130.1(f) = Additional lighting controls installed to earn a PAF; \$130.1(g) = Prescriptive Secondary Sidelight Daylight Controls.  
2. Check Table 140.6-A for correct PAF. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2017

STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Page 1 of 6)

Indoor Lighting Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

**A. General Information**

Climate Zone: 01 Conditioned Floor Area: 3485 Unconditioned Floor Area:

Building Type:  Nonresidential  High-Rise Residential  Hotel/Motel  
 Schools  Relocatable Public Schools  Conditioned Spaces  Unconditioned Spaces

Phase of Construction:  New Construction  Addition  Alteration

Method of Compliance:  Complete Building  Area Category  Tailored

Project Address: 975 5th Street, Eureka, CA, 95501

**B. Lighting Compliance Documents** (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	COMP. DOC.	TITLE
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-03-E	Indoor Lighting Power Allowance
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-04-E	Tailored Method Worksheets
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets
<input type="radio"/>	<input type="radio"/>	NRCC-LTI-06-E	Indoor Lighting Existing Conditions

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA INDOOR LIGHTING CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E (Page 5 of 6)

Indoor Lighting Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:  
 CONDITIONED SPACE  UNCONDITIONED SPACE

**H. Indoor Lighting Schedule and Field Inspection Energy Checklist**

Luminaire Schedule				Installed Watts		Location		Field Inspector 1	
01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description (i.e., 3 lamp fluorescent troffer, F3T8, one dimmable electronic ballast)	Watts per Luminaire	CCC Credit from NAB	According to §130.0(c)	Number of Luminaires	Total Installed Watts in this area (row 06) x (row 05)	Primary Function area in which these luminaires are installed	Pass	Fail
A/AE	2X4 Recessed	59	<input checked="" type="checkbox"/>	<input type="checkbox"/>	41	2419	Office	<input type="checkbox"/>	<input type="checkbox"/>
B/BE	2X4 Recessed	42	<input checked="" type="checkbox"/>	<input type="checkbox"/>	24	1008	Corridor	<input type="checkbox"/>	<input type="checkbox"/>
CC/CE	2X4 Recessed	56	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8	448	Culinary	<input type="checkbox"/>	<input type="checkbox"/>
D/DE	6" Dia	27	<input checked="" type="checkbox"/>	<input type="checkbox"/>	27	729	Stations	<input type="checkbox"/>	<input type="checkbox"/>
E	4FT Surface	25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7	175	Storage	<input type="checkbox"/>	<input type="checkbox"/>
FE	4FT Surface	46	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8	368	Stairs	<input type="checkbox"/>	<input type="checkbox"/>
G	2X4 Surface	50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6	300	Storage	<input type="checkbox"/>	<input type="checkbox"/>
N/N/NE	4FT PENDANT	25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	24	600	Electrical Room	<input type="checkbox"/>	<input type="checkbox"/>
INSTALLED WATTS PAGE TOTAL:						6047	Enter sum total of all pages into NRCC-LTI-01-E, Page 2	6047	

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA INDOOR LIGHTING - LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E (Revised 04/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-02-E (Page 2 of 3)

Indoor Lighting - Lighting Controls Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:  
 CONDITIONED SPACES  UNCONDITIONED SPACES

**B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist**

Lighting Control Schedule		Standards Complying With 1 (✓ all that apply, or leave empty if Exempted)															PAF Credit Calculation 2		Field Inspector		
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	Watts of Controlled Lighting	Watts of Controlled Lighting	PAF	Control Credit (1) x (2)	✓ if Acceptance Test Required	Field Inspector	
Location in Building	Type/Description of Lighting Control (i.e., occupancy sensor, automatic time switch, dimmer, automatic daylight, etc.)	# of Units	\$130.1(a)	\$130.1(b)	\$130.1(c)	\$130.1(d)	\$130.1(e)	\$130.1(f)	\$130.1(g)	\$130.1(h)	\$130.1(i)	\$130.1(j)	\$130.1(k)	\$130.1(l)	\$130.1(m)	\$130.1(n)	\$130.1(o)	PAF <td>Control Credit (1) x (2)</td> <td>✓ if Acceptance Test Required</td> <td>Field Inspector</td>	Control Credit (1) x (2)	✓ if Acceptance Test Required	Field Inspector
Rm 101,102,110,295,295,06	(1) Cfg M	1	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 295,061,298,Corridor,299	(1) Cfg M	1	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 299,295,01,299,07,299,09	(1) Wall OS	1	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 214,215,298,14,297,3,297,4	(1) Wall OS	1	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 295,03,295,04,295,06,297,2	(1) Cfg M, (1) Wall D	2	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 296	(2) Wall D	2	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Rm 296,01,296,03,296,04,296,05	(1) Corner M, (1) Wall D	2	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	
Control Credit PAGE TOTAL (Sum of Column 13):																0	0				
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column 13):																					
See Lighting Controls Symbol Legend on E-002 for Lighting Control Symbol Descriptions.																		Enter Control Credit total into NRCC-LTI-01-E, Page 1.			

1. \$130.1(a) = Manual area controls; \$130.1(b) = Multi Level; \$130.1(c) = Auto Shut-Off; \$130.1(d) = Automatic Daylight; \$130.1(e) = Demand Responsive; \$130.1(f) = Additional lighting controls installed to earn a PAF; \$130.1(g) = Prescriptive Secondary Sidelight Daylight Controls.  
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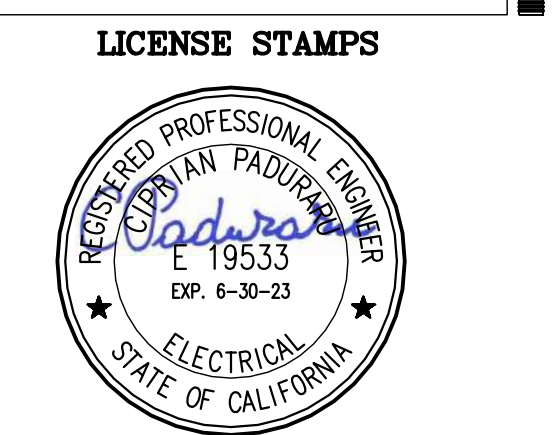
CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2017



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CONSULTING ARCHITECT



PROJECT NAME  
HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER  
975 5th STREET EUREKA, CA 95501

SHEET TITLE  
TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS

DRAWING STATUS  
WORKING DRAWINGS

REVISIONS  
Sym. Description Date

Drawn By: BS  
Date issued: 09.19.2022  
Scale: AS NOTED  
Project No.: 16-6421.00

SHEET No.  
E-701 V4

STATE OF CALIFORNIA  
**INDOOR LIGHTING POWER ALLOWANCE**  
 CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-03-E  
 Certificate of Compliance - Indoor Lighting Power Allowance (Page 4 of 4)  
 Project Name: Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**  
 I certify that this Certificate of Compliance documentation is accurate and complete.  
 Documentation Author Name: Emmanuel Bautista-Dizon Documentation Author Signature: Date Signed: 05/20/2020  
 Company: LP Consulting Engineers, Inc. Signature Date: 05/20/2020  
 Address: 1209 Pleasant Grove Blvd. CEA Certification Identification (if applicable):  
 City/State/Zip: Roseville, CA 95678 Phone: 916-771-0778

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 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.  
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 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: Ciprian Paduraru Responsible Designer Signature: Date Signed: 05/20/2020  
 Company: LP Consulting Engineers, Inc. License: E19533  
 Address: 1209 Pleasant Grove Blvd. Phone: 916-771-0778  
 City/State/Zip: Roseville, CA 95678

STATE OF CALIFORNIA  
**INDOOR LIGHTING POWER ALLOWANCE**  
 CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-03-E  
 Certificate of Compliance - Indoor Lighting Power Allowance (Page 2 of 4)  
 Project Name: Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:  
 CONDITIONED spaces  UNCONDITIONED spaces

**C-2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE**  
 Do not include portable lighting for offices. Portable lighting for offices shall be documented only in Section G of NRCC-LTI-01-E.  
 Separately list lighting for each primary function area as defined in §100.1 of the Standards.

01		02	03	04
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS PER Ft <sup>2</sup>	AREA (ft <sup>2</sup> )	ALLOWED WATTS
Location in Building	Primary Function Area per Table 140.6-C			
Rm 101, 295, 299	Lobby	0.85	594	504.9
Rm 102, 110, 295.031, 295.061, 297.5, 298.14, 298.04	Storage	0.6	629	377.4
Rm 103, 105, 106, 108, 109, 297.6, 297.7	Elevator/Electrical Room	0.4	1082	432.8
530.1, 531.1, 530.2, 531.2	Stairs	0.5	1179	589.5
Rm 298.01, 298.02, 298.03, 298.04, 298.05, 298.06	Office <250	0.7	610	427
Rm 298.07, 298.08, 298.09, 298.10, 298.11, 298.12	Office <250	0.7	596	417.2
Rm 298.13, 298.15	Office <250	0.7	169	118.3
Rm 295.10, 295.11, 295.13, 296.08, 296.09, 296.10	Corridor	0.6	986	591.6
Rm 298.20, 298.21, 298.22	Office <250	0.65	365	237.25
Rm 296.01, 296.02, 296.03, 296.05, 296.06	Office <250	0.7	562	393.4
Rm 296.07, 295.03, 295.08	Office <250	0.7	443	310.1
Rm 297, 297.1, 298.18, 298.23	Corridor	0.6	730	438
Rm 295.01, 295.07, 295.09, 297.3, 297.4	Restroom	0.65	298	193.7
Rm 295.04, 295.05, 296	Office <250	0.65	1107	719.55
Rm 295.06 (Culinary)	Culinary	0.95	295.04	280.288
Rm 297.2	Breakroom	0.65	176	114.4
<b>TOTALS</b>			8821.04	
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance document)				6145.388
				WATTS

STATE OF CALIFORNIA  
**INDOOR LIGHTING POWER ALLOWANCE**  
 CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-03-E  
 Certificate of Compliance - Indoor Lighting Power Allowance (Page 1 of 4)  
 Project Name: Humboldt County Community Corrections Re-Entry Resource Center Date Prepared: 05/20/2020

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:  
 CONDITIONED spaces  UNCONDITIONED spaces

**A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES**  
 If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.  
 If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts.

	(a)	(b)
01 Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)	0	
02 Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)		776.2
03 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E		
<b>TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1</b>	0	776.2
<input type="checkbox"/> Check here if building contains both conditioned and unconditioned areas.		

**B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE**

01	02	03	04
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER Ft <sup>2</sup>	COMPLETE BLDG. AREA	ALLOWED WATTS
			0
Total Area			
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)			0

**C-1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES**

	Watts
Total from section C-2	776.2
Total from section C-3	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page)	776.2
<b>For Alterations Only - Reduced lighting power option (Total Allowed Watts x 0.85). Enter this value into section A, row 2 if using this option.</b>	



Approval of the plan shall not authorize or approve any construction or installation from any applicable regulations. Approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

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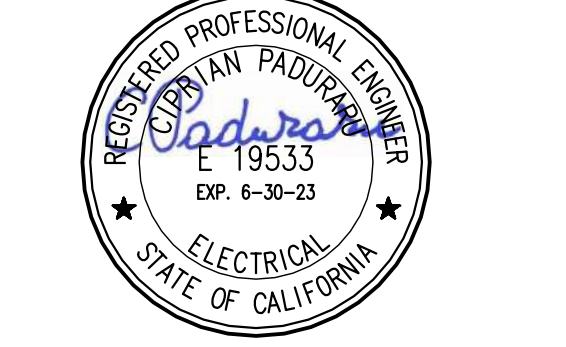
CONSULTING ARCHITECT

LIONAKIS

CONSULTANTS



LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 876 5th STREET EUREKA, CA 95501

SHEET TITLE  
 TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS

DRAWING STATUS  
 WORKING DRAWINGS

REVISIONS

Sym.	Description	Date

Drawn By: BS  
 Date Issued: 09.19.2022  
 Scale: AS NOTED  
 Project No.: 16-6421.00

SHEET No.  
**E-702 V4**



# LOW VOLTAGE ELECTRONICS LEGEND

## LOW VOLTAGE ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AMP	AMPLIFIER
ANN	ANNUNCIATOR
AR	AS REQUIRED
BMS	BUILDING MANAGEMENT SYSTEM (BY DIV 23)
C	CONDUIT AND WIRING
CAB	CABINET
CATV	CABLE TELEVISION
CCR	CENTRAL CONTROL ROOM
CCVT	CLOSED CIRCUIT TELEVISION
CIF	COMMON INTERMEDIATE FORMAT
CKT	CIRCUIT
CL	CEILING
CO	CONDUIT ONLY
COMM	COMMON
COM	COMMUNICATION(S)
CR	CARD READER
CT	CURRENT TRANSFORMER
DAS	DISTRIBUTED ANTENNA SYSTEM
DA	DIAMETER
DIST	DISTRIBUTION
DP	DOOR POSITION INDICATION SWITCH
DPIS	DOOR LOCK WITH POSITION INDICATION SWITCH
DUR	DURESS BUTTON
DVR	DIGITAL VIDEO RECORDER
EACH	EACH
EL	ELECTRIC LOCK
EM	EMERGENCY
ENC	ENCLOSURE
F	FRAME MOUNT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FI	FACILITY INTERCOM
FLR	FLOOR
FO	FIBER OPTIC
FPS	FRAMES PER SECOND
FSD	FIRE/SMOKE DAMPER
G, GND	GROUND
HFC	HANDS FREE INTERCOM
HSG	HOUSING
IC	INTERCOM
ID	INERDUCT
IDF/IDM	INTERMEDIATE DISTRIBUTION FRAME/AREA
IG	ISOLATED GROUND
J, JB	JUNCTION BOX

K	KEY OPERATED
KS	KEY SWITCH
LDA	PDAS LOCATOR DEVICE NODE
LV	LOW VOLTAGE
LVE	LOW VOLTAGE ELECTRONICS
LVSF	LOW VOLTAGE SECURITY ELECTRONICS
MAX	MAXIMUM
MDF/MDA	MAIN DISTRIBUTION FRAME/AREA
MIN	MINIMUM
MM/MMF	MULTIMODE FIBER
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NL	NIGHTLIGHT
NO	NORMALLY OPEN
NVR	NETWORK VIDEO RECORDER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OH	OVERHEAD
PDA	PERSONAL DURESS ALARM
PDA	PERSONAL DURESS ALARM SYSTEM
PNL	PANEL
RC	RELAY CABINET
REQ'D	REQUIRED
REX	REQUEST TO EXIT
SC	SCREW COVER
SM/SMF	SINGLE MODE FIBER
SP	SPEAKER
SPKR	SPEAKER
SPST	SINGLE POLE, SINGLE THROW SWITCH
SW	SWITCH
TIB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
W	WALL MOUNT
WP	WEATHERPROOF
WS	WORK STATION
W/O	WITHOUT
XFMR	TRANSFORMER
(D)	EXISTING TO BE REMOVED (DEMOLISHED)
(R)	EXISTING TO REMAIN
(F)	FUTURE
(ER)	EXISTING TO BE REPLACED
(R)	EXISTING TO BE RELOCATED

## SECURITY DEVICE SYMBOLS

Ⓞ	ELECTRIC LOCK AND DPIS (BY DIV 11), PROVIDE CONNECTION AT INDICATED LOCATION
Ⓞ	ELECTRIC LOCK (BY DIV 11), PROVIDE CONNECTION AT INDICATED LOCATION
Ⓞ	ELECTRIC STRIKE (BY DIV 08), PROVIDE CONNECTION AT INDICATED LOCATION
Ⓞ	MAGNETIC LOCK (BY DIV 08), PROVIDE CONNECTION AT INDICATED LOCATION
Ⓞ	DOOR POSITION INDICATION SWITCH (BY DIV 08 OR 11), PROVIDE CONNECTION AT INDICATED LOCATION
Ⓞ	DOOR INTERLOCK, NUMBER OF DOORS AS INDICATED
Ⓞ	PUSHBUTTON, MOUNT +48" UNLESS OTHERWISE NOTED
Ⓞ	CALL BUTTON
Ⓞ	DURESS ALARM BUTTON
Ⓞ	DOOR BELL
Ⓞ	DESK MOUNTED DURESS ALARM BUTTON
Ⓞ	REQUEST TO EXIT
Ⓞ	KEY OPERATED SWITCH, MOUNT RECESSED, +48" TO CENTER, UON
Ⓞ	TOUCHPAD/ KEYPAD, MOUNTED +48" TO CENTER
Ⓞ	MOTION DETECTOR, MOUNT RECESSED, +9'6" TO CENTER, UON
Ⓞ	REQUEST TO EXIT
Ⓞ	CARD READER, MOUNT RECESSED, +48" TO CENTER, UON
Ⓞ	NOTIFICATION LIGHT
Ⓞ	PERSONAL DURESS ALARM SYSTEM (PDAS)
Ⓞ	CALL BUTTON
Ⓞ	PERSONAL DURESS ALARM SYSTEM (PDAS) - HORN
Ⓞ	PDAS - RF RECEIVER, CEILING MOUNT
Ⓞ	PDAS - RF RECEIVER, WALL MOUNT, +14'0" AFF EXTERIOR, +12'0" AFF INTERIOR, 6" BELOW CEILING TO TOP WHERE CEILING IS BELOW 12'6" AFF
Ⓞ	ANTENNA SETTING
Ⓞ	PDAS - NODE CONTROLLER
Ⓞ	PDAS - CABINET
Ⓞ	FINGERPRINT SCANNER W/TOUCHPAD/KEYPAD, +48" TO CENTER, UON
Ⓞ	CLOSED CIRCUIT TELEVISION CAMERA
Ⓞ	POLE MOUNTED
Ⓞ	PAN TILT ZOOM
Ⓞ	CCTV CAMERA NUMBER, REFERENCE THE CCTV CAMERA SCHEDULE
Ⓞ	PIR, MOUNT +54" TO CENTER, UON
Ⓞ	ARROW INDICATES AIMING DIRECTION
Ⓞ	CONTROL PANEL, MOUNT +48" TO CENTER, UON
Ⓞ	LOCAL ALARM (SOUNDER AND STROBE), MOUNT +90" TO CENTER, UON
Ⓞ	ACOUSTIC GLASS BREAK SENSOR
Ⓞ	WINDOW POSITION INDICATOR, MOUNT +48" TO CENTER, UON
Ⓞ	PROXIMITY KEY TAG READER, MOUNT +48" TO CENTER, UON
Ⓞ	PUSH BAR
Ⓞ	ACCESS CONTROL PANEL
Ⓞ	OPTICAL TURNSTILE (BY OTHERS), PROVIDE CONNECTION AT INDICATED LOCATION
Ⓞ	SITE LOW VOLTAGE SECURITY ELECTRONICS HANDHOLE
Ⓞ	IN-GROUND VEHICLE DETECTION
Ⓞ	REMOTE RELAY CONNECTION
Ⓞ	SYSTEM INTERCONNECT POINT
Ⓞ	LIGHTING
Ⓞ	RECEPTACLE CONTROL
Ⓞ	UPS STATUS ANNUNCIATION
Ⓞ	WATER CONTROL
Ⓞ	ELEVATOR
Ⓞ	FIRE ALARM
Ⓞ	GENERATOR
Ⓞ	OPERABLE WINDOW CONTROL
Ⓞ	SEWAGE VAULT
Ⓞ	REMOTE POWER SUPPLY (BY DIV 08) 120 VAC WIRING CONNECTED TO UPS BACKED SOURCE
Ⓞ	INFRARED DURESS STATION
Ⓞ	GUARD TOUR TOUCHPOINT
Ⓞ	LOW VOLTAGE JUNCTION BOX
Ⓞ	DOOR CHIME FOR DOORBELL AT ASSOCIATED DOOR

## GENERAL SYMBOLS

Ⓞ	CONDUIT, FEEDER OR EQUIPMENT CIRCUITING STUB-UP
Ⓞ	CONDUIT, FEEDER OR EQUIPMENT CIRCUITING STUB-DOWN
Ⓞ	KEYNOTE IDENTIFIER, REFERENCE THE NUMBERED KEYNOTES ON EACH DRAWING.
Ⓞ	DETAIL IDENTIFIER, TOP NUMBER INDICATES THE DETAIL REFERENCE, THE BOTTOM NUMBER INDICATES THE DRAWING REFERENCE.
Ⓞ	ELEVATION IDENTIFIER, CENTER NUMBER INDICATES THE REFERENCE DRAWING, LETTERS INDICATE NORTH, SOUTH, EAST, OR WEST ELEVATION.
Ⓞ	MATCHLINE - VIEW CONTINUED ON NEW SHEET - SHADED SIDE IDENTIFIES CURRENT SHEET
Ⓞ	MATCHLINE - VIEW CONTINUED ON SAME SHEET - SHADED SIDE IDENTIFIES CURRENT VIEW
Ⓞ	INTERIOR ELEVATION - ELEVATION NUMBER DENOTED IN ARROW AND SHEET NUMBER DENOTED IN BOX
Ⓞ	CONNECTION TO EXISTING ELECTRICAL SYSTEMS
Ⓞ	ELECTRICAL DEVICE, EXISTING TO REMAIN
Ⓞ	ELECTRICAL DEVICE, TO BE REMOVED (DEMOLISHED)
Ⓞ	ELECTRICAL REVISION
Ⓞ	ELECTRICAL REVISION NUMBER
Ⓞ	PHOTO OF EXISTING CONDITIONS

## WIRING DEFINITIONS

—	CONDUIT, FEEDER OR EQUIPMENT CIRCUITING STUB-UP
—	CONDUIT, FEEDER OR EQUIPMENT CIRCUITING STUB-DOWN
—	3/4"C-2#12+1#12 GROUND
—	3/4"C, NO. OF TICK MARKS INDICATES NUMBER OF #12 AWG PHASE, NEUTRAL, GROUND AND ISOLATED GROUND CONDUCTORS; FIRST SHORT TICK MARK INDICATES NUMBER OF PHASE CONDUCTORS, SECOND LONG TICK MARK INDICATES NUMBER OF NEUTRAL CONDUCTORS, THIRD SHORT TICK MARK INDICATES NUMBER OF GROUND CONDUCTORS, FOURTH DOT INDICATES NUMBER OF IG GROUND CONDUCTORS. EXAMPLE SHOWN 3/4"C-2#12 PHASE, 1#12 NEUTRAL, 1#12 GROUND, 1#12 ISOLATED GROUND.
—	CONDUIT STUB, SIZE AS INDICATED OR NOTED
—	FIRE ALARM WIRING, REFERENCE THE SPECIFICATIONS FOR NUMBER OF CONDUCTORS AND TYPE, MINIMUM OF 3/4"C
—	PUBLIC ADDRESS SYSTEM WIRING, REFERENCE THE SPECIFICATIONS FOR NUMBER OF CONDUCTORS AND TYPE, MINIMUM OF 3/4"C
—	NURSE CALL SYSTEM WIRING, REFERENCE THE SPECIFICATIONS FOR NUMBER OF CONDUCTORS AND TYPE, MINIMUM OF 3/4"C
—	ELECTRICAL SYSTEM WIRING, REFERENCE THE SPECIFICATIONS FOR NUMBER OF CONDUCTORS AND TYPE; CONDUIT SHALL BE 3/4" UON.
—	LOW VOLTAGE SYSTEM WIRING, REFERENCE THE RACEWAY AND WIRING SCHEDULE FOR CONDUCTOR AND CONDUIT SIZE; CONDUIT SHALL BE 3/4" UON.
—	OVERHEAD POWER WIRING
—	OVERHEAD POWER WIRING
—	FIBER OPTIC COMMUNICATIONS WIRING OR DUCTBANK
—	UNDERGROUND COMMUNICATIONS WIRING OR DUCTBANK
—	UNDERGROUND FIBER OPTIC COMMUNICATIONS WIRING OR DUCTBANK
—	UNDERGROUND POWER WIRING OR DUCTBANK
②	CONDUIT RUN IDENTIFIER, REFERENCE THE CONDUIT SCHEDULE

## WORKSTATION AND CONTROL PANEL SYMBOLS

Ⓞ	ACCESS CONTROL PANEL
Ⓞ	VIDEO BADGING STATION
Ⓞ	TOUCH SCREEN CONTROL PANEL
Ⓞ	GRAPHICAL CONTROL PANEL, MOUSE DRIVEN
Ⓞ	HARDWIRED CONTROL PANEL
Ⓞ	CCTV MONITOR(S)
Ⓞ	CCTV VIDEO REVIEW WORKSTATION
Ⓞ	CCTV SYSTEM PAN-TILT-ZOOM CONTROL
Ⓞ	ACCESS CONTROL STATION
Ⓞ	UNINTERRUPTIBLE POWER SUPPLY
Ⓞ	TELLER CASH RECYCLER

## COMMUNICATION SYMBOLS

Ⓞ	CEILING MOUNTED PAGING SPEAKER INTEGRAL MICROPHONE
Ⓞ	CEILING MOUNTED PAGING SPEAKER, OMNI DIRECTIONAL
Ⓞ	CEILING MOUNTED PAGING SPEAKER AND HANDS-FREE INTERCOM STATION
Ⓞ	SPEAKER, WALL MOUNTED +9'6" TO CENTER, UON
Ⓞ	SPEAKER VOLUME CONTROL, MOUNT +48" UON
Ⓞ	INTERCOM STATION, MOUNT +48" TO TOP UON
Ⓞ	INTERCOM STATION, MOUNT RECESSED, +48" TO TOP, UON MASTER STATION
Ⓞ	VISITOR/INMATE HANDSET
Ⓞ	BUZZER
Ⓞ	BELL
Ⓞ	CLOCK, WALL MOUNT +90" UNLESS OTHERWISE NOTED
Ⓞ	MICROPHONE OUTLET, WALL MOUNT +18" UNLESS OTHERWISE NOTED
Ⓞ	CALL BUTTON, WALL MOUNT +48" UON
Ⓞ	ANTENNA
Ⓞ	ANTENNA OR EXCITER FOR RFID
Ⓞ	CEILING MOUNTED INDICATION LIGHT
Ⓞ	WALL MOUNTED INDICATION LIGHT
Ⓞ	DEDICATED TO PERSONAL DURESS ALARM SYSTEM
Ⓞ	A/V SYSTEM INPUT, WALL MOUNTED +18" AFF UON
Ⓞ	STEREO CONNECTION

## INTERCOM/PAGING DEVICE SYMBOLS

Ⓞ	BELL
Ⓞ	BUZZER
Ⓞ	CALL BUTTON, WALL MOUNT +48" UON
Ⓞ	WALL MOUNTED INDICATION LIGHT
Ⓞ	DEDICATED TO PERSONAL DURESS ALARM SYSTEM
Ⓞ	CEILING MOUNTED INDICATION LIGHT
Ⓞ	CEILING MOUNTED PAGING SPEAKER INTEGRAL MICROPHONE
Ⓞ	CEILING MOUNTED PAGING SPEAKER AND HANDS-FREE INTERCOM STATION
Ⓞ	CEILING MOUNTED PAGING SPEAKER, OMNI DIRECTIONAL
Ⓞ	MICROPHONE OUTLET, WALL MOUNT +18" UNLESS OTHERWISE NOTED
Ⓞ	CONDUIT STUB, SIZE AS INDICATED OR NOTED
Ⓞ	CLOCK, WALL MOUNT +90" UNLESS OTHERWISE NOTED
Ⓞ	INTERCOM STATION, MOUNT +48" TO TOP UON
Ⓞ	INTERCOM STATION, MOUNT RECESSED, +48" TO TOP, UON
Ⓞ	FRAME MOUNT
Ⓞ	MASTER STATION
Ⓞ	PEDESTAL MOUNT
Ⓞ	INTERCOM STATION GOOSENECK MICROPHONE
Ⓞ	SPEAKER VOLUME CONTROL, MOUNT +48" UON
Ⓞ	VISITOR/INMATE HANDSET
Ⓞ	SPEAKER, WALL MOUNTED +9'6" TO CENTER, UON
Ⓞ	ANTENNA
Ⓞ	ANTENNA OR EXCITER FOR RFID
Ⓞ	A/V SYSTEM INPUT, WALL MOUNTED +18" AFF UON
Ⓞ	STEREO CONNECTION

## LOW VOLTAGE SECURITY EQUIPMENT PANEL AND ENCLOSURE SYMBOLS

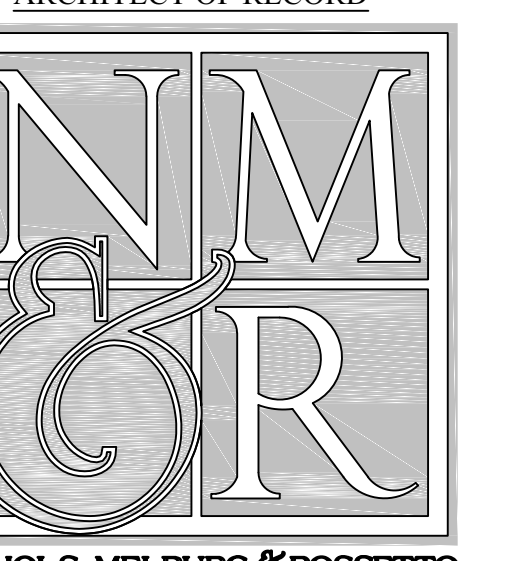
Ⓞ	ACCESS CONTROL PANEL
Ⓞ	FLOOR MOUNTED EQUIPMENT RACK
Ⓞ	WALL MOUNTED SWING EQUIPMENT RACK
Ⓞ	WALL MOUNTED RELAY ENCLOSURE OR EQUIPMENT ENCLOSURE, SINGLE DOOR
Ⓞ	POWER PANEL
Ⓞ	WALL MOUNTED RELAY ENCLOSURE OR EQUIPMENT ENCLOSURE, DOUBLE DOOR

## GENERAL NOTES:

- COORDINATE THE LOCATION OF FRAME MOUNTED DEVICES AND OUTLETS WITH THE DETENTION EQUIPMENT. REFER TO THE ARCHITECTURAL ELEVATIONS.
- COORDINATE THE LOCATION OF WALL MOUNTED DEVICES AND OUTLETS WITH CASEWORK. REFER TO THE ARCHITECTURAL WALL ELEVATIONS.
- COORDINATE THE EXACT LOCATION OF ALL CEILING MOUNTED DEVICES AND FIXTURES WITH THE ARCHITECT PRIOR TO INSTALLATION. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES.
- ALL FLOOR PENETRATIONS AND PENETRATIONS THROUGH FIRE OR SMOKE PARTITIONS SHALL BE FIRE-STOPPED. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE AND SMOKE PARTITIONS.
- IN FIRE-RESISTIVE WALLS, BOXES THAT EXCEED 16 SQUARE INCHES OR ARE SEPARATED BY LESS THE 24 INCHES ON OPPOSITE SIDES OF THE WALLS SHALL BE PROTECTED WITH FIRE-RESISTIVE INTUMESCENT COMPOUND MEMBRANE PADS.
- INSTALLATION OF BACKCANS OR OTHER LARGE BOXES THAT ARE FLUSH MOUNTED IN WALLS SHALL BE COORDINATED WITH OTHER TRADES AS REQUIRED TO MAINTAIN THE INTEGRITY OF FIRE-RESISTIVE WALLS. WHERE THE WALL IS REQUIRED TO BE FIRE-RATED, THE WALL OPENING SHALL BE LINED WITH A 5/8 INCH FIRE-RATED GYPSUM BOARD AND ALL GAPS SHALL BE FILLED WITH FIRE-RESISTIVE INTUMESCENT SEALANT.
- IN ALL CONDUITS THAT PASS THROUGH SEISMIC JOINTS, PROVIDE SUITABLE FITTINGS TO ALLOW FOR SEISMIC MOVEMENT. REFER TO THE STRUCTURAL DRAWINGS FOR LOCATION OF SEISMIC JOINTS.
- UNLESS OTHERWISE IDENTIFIED ON THE SYMBOL LIST, NUMBERS ADJACENT TO THE DEVICES PRECEDED BY THE + SIGN REFER TO MOUNTING HEIGHTS.
- UNLESS OTHERWISE IDENTIFIED ON THE SYMBOL LIST, LETTERS ADJACENT TO THE DEVICES REFER TO THE TYPE OF MOUNTING OF THE DEVICE, I.E. A "W" ADJACENT TO AN INTERCOM STATION INDICATES THE INTERCOM STATION IS TO BE WALL MOUNTED. AN "F" ADJACENT TO AN INTERCOM STATION INDICATES THE INTERCOM STATION IS TO BE FRAME MOUNTED.
- OUTLETS ONLY ARE SHOWN ON THE PLANS FOR CERTAIN SIGNAL AND COMMUNICATIONS SYSTEMS. REFER TO THE APPLICABLE WIRING DIAGRAMS AND TO THE SPECIFICATIONS FOR RACEWAYS AND CABLE TO BE PROVIDED FOR SIGNAL AND COMMUNICATION WIRING.
- MINIMUM CONDUIT SIZE FOR INTERIOR INSTALLATIONS SHALL BE 3/4".
- MINIMUM CONDUIT SIZE FOR EXTERIOR INSTALLATION SHALL BE 1".
- ALL WIRES AND CABLES SHALL BE INSTALLED IN CONDUIT, EXCEPT FOR LOW VOLTAGE ROOMS WHERE CABLE TRAY OR WIREWAY, AS INDICATED IN THESE DRAWINGS, MAY BE USED.
- FOR CLARITY, EXISTING CONDITIONS HAVE BEEN SHOWN ONLY TO THE EXTENT NECESSARY TO SHOW CONNECTION WITH NEW WORK. IT SHALL BE THE RESPONSIBILITY OF THE TRADE CONTRACTOR TO COORDINATE ALL WORK AND VERIFY ALL EXISTING CONDITIONS INVOLVED PRIOR TO INSTALLATION AND/OR CONNECTION TO EXISTING SYSTEMS. ANY DISCREPANCIES IN THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT.
- REFERENCE DRAWINGS ARE AVAILABLE FROM THE OWNER FOR SOME OF THE AREAS TO BE REMODELED. IT SHALL BE THE RESPONSIBILITY OF THE TRADE CONTRACTOR TO VISIT THE SITE AND VERIFY THE ACCURACY OF ANY DRAWINGS UTILIZED.
- CUT AND PATCH EXISTING CONSTRUCTION AS REQUIRED TO RUN CIRCUITS. WHERE POSSIBLE, FLOOR CUTS SHALL BE MADE ALONG JOINTS. ACCURACY OF PLACEMENT AND SIZE OF CUTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- SUBMIT A CONDUIT AND WIRE SCHEDULE FOR CONNECTION OF LOW VOLTAGE DEVICES. DEVICES MAY BE ROUTED WITH A SINGLE HOME RUN PER DEVICE OR MAY BE GROUPED IN ACCORDANCE WITH THE DETAILS SHOWN ON THESE DRAWINGS AND WITH THE DEVICE, RACEWAY AND WIRE SCHEDULE.
- BEFORE CONSTRUCTION, SUBMIT A FACILITY CONDUIT PLAN FOR APPROVAL. REFERENCE THE SPECIFICATIONS.

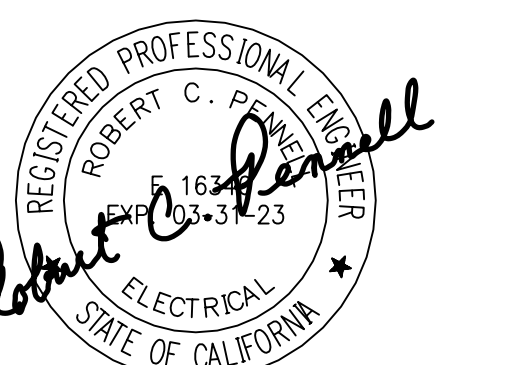


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## LICENSE STAMPS



## PROJECT NAME

**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

## SHEET TITLE

**SECURITY ELECTRONICS - ABBREVIATIONS, NOTES AND LEGENDS**

## DRAWING STATUS

**WORKING DRAWINGS**

## REVISIONS

Delta	Description	Date

Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	N/A
Project No.	16-6421.00

## SHEET No.

**SE0.1 V4**

NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS IN LEGENDS ARE NECESSARILY USED ON THIS PROJECT.

CONTROL POSITION EQUIPMENT SCHEDULE			
CONTROL POSITION	DESCRIPTION	PRIMARY FALLOVER	TERMINATION POINT
CP-1	EXISTING CONTROL	CP-2	325
CP-2	NEW CONTROL	CP-1	403

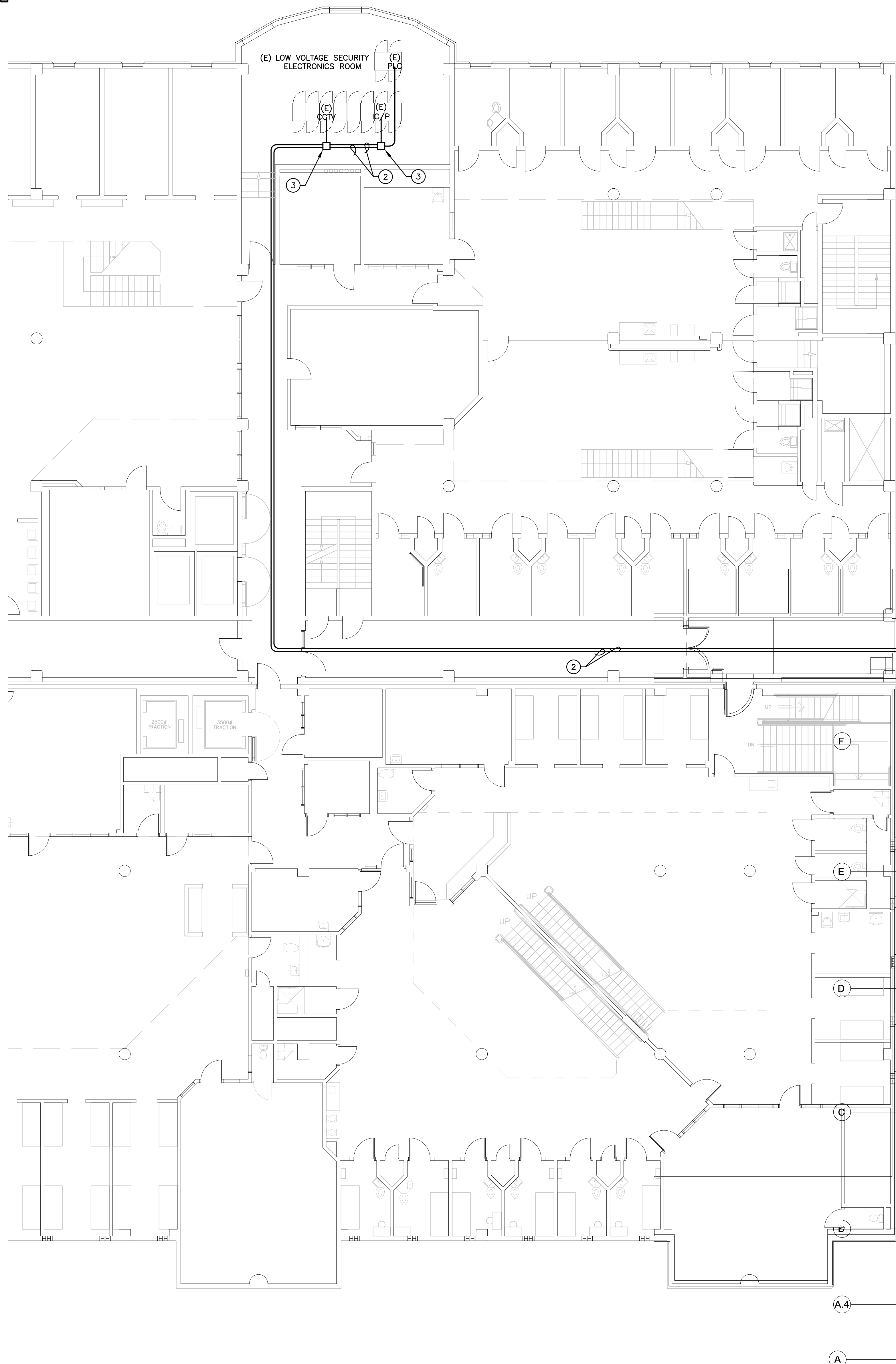
DOOR POSITION SWITCH EQUIPMENT SCHEDULE						
DOOR POSITION SWITCH #	CONTROL POINT			TERMINATION POINT	INSTALLATION DETAIL REFERENCE	NOTES
	PRIMARY CONTROL	SECONDARY CONTROL	SYSTEM NARRATIVE			
DP-1	CP-2	CP-1	3/SE8.5	403	8/SE9.1	--
DP-2	CP-2	CP-1	3/SE8.5	403	8/SE9.1	--
DP-3	CP-2	CP-1	3/SE8.5	403	8/SE9.1	--
DP-4	CP-2	CP-1	3/SE8.5	403	8/SE9.1	--
DP-5	CP-2	CP-1	3/SE8.5	403	8/SE9.1	--
DP-6	CP-2	CP-1	3/SE8.5	403	8/SE9.1	--

SECURITY DEVICE EQUIPMENT SCHEDULE											
SECURITY DEVICE #	DEVICE TYPE	CONTROL POINT				ASSOCIATED DEVICES			INSTALLATION DETAIL REFERENCE	NOTES:	
		PRIMARY CONTROL	SECONDARY CONTROL	SYSTEM NARRATIVE	TERMINATION POINT	DEVICE #1	DEVICE #2	DEVICE #3			
SE-1	PUSHBUTTON REX	CP-2	CP-1	4/SE8.7	403	EL-4	CR-4	--	12/SE9.1	--	
SE-2	PUSHBUTTON REX	CP-2	CP-1	4/SE8.7	403	EL-4	CR-4	--	12/SE9.1	--	
SE-3	PDAS LIGHT	CP-2	CP-1	1/SE8.8	403	DUR-5	--	--	14/SE9.1	--	
SE-4	PDAS LIGHT	CP-2	CP-1	1/SE8.8	403	DUR-5	--	--	14/SE9.1	--	
SE-5	PDAS LIGHT	CP-2	CP-1	1/SE8.8	403	DUR-4	--	--	14/SE9.1	--	
SE-6	PDAS LIGHT	CP-2	CP-1	1/SE8.8	403	DUR-3	--	--	14/SE9.1	--	
SE-7	PDAS LIGHT	CP-2	CP-1	1/SE8.8	403	DUR-2	--	--	14/SE9.1	--	
SE-8	PDAS LIGHT	CP-2	CP-1	1/SE8.8	403	DUR-7	CCTV-27	--	14/SE9.1	--	
SE-9	PDAS LIGHT	CP-2	CP-1	1/SE8.8	403	DUR-6	CCTV-28	--	14/SE9.1	--	
SE-10	SYSTEM INTERCONNECTION-WATER CONTROL	CP-2	CP-1	2/SE8.7	403	--	--	--	--	--	
SE-11	SYSTEM INTERCONNECTION-LIGHT CONTROL	CP-2	CP-1	1/SE8.7	403	--	--	--	--	--	
SE-12	SYSTEM INTERCONNECTION-WATER CONTROL	CP-2	CP-1	2/SE8.7	403	--	--	--	--	--	
SE-13	SYSTEM INTERCONNECTION-LIGHT CONTROL	CP-2	CP-1	1/SE8.7	403	--	--	--	--	--	
SE-14	SYSTEM INTERCONNECTION-LIGHT CONTROL	CP-2	CP-1	1/SE8.7	403	--	--	--	--	--	
SE-15	SYSTEM INTERCONNECTION-LIGHT CONTROL	CP-2	CP-1	1/SE8.7	403	--	--	--	--	--	
SE-16	MOTION REX	CP-2	CP-1	4/SE8.7	403	EL-14	--	--	9/SE9.1	--	
SE-17	OPERABLE WINDOW CONTROL	CP-2	CP-1	2/SE8.8	403	--	--	--	--	INTEGRATOR TO PROVIDE 24VDC POWER SUPPLY. REFER TO SYSTEM NARRATIVE	
SE-18	OPERABLE WINDOW CONTROL	CP-2	CP-1	2/SE8.8	403	--	--	--	--	INTEGRATOR TO PROVIDE 24VDC POWER SUPPLY. REFER TO SYSTEM NARRATIVE	
SE-19	OPERABLE WINDOW CONTROL	CP-2	CP-1	2/SE8.8	403	--	--	--	--	INTEGRATOR TO PROVIDE 24VDC POWER SUPPLY. REFER TO SYSTEM NARRATIVE	
SE-20	OPERABLE WINDOW CONTROL	CP-2	CP-1	2/SE8.8	403	--	--	--	--	INTEGRATOR TO PROVIDE 24VDC POWER SUPPLY. REFER TO SYSTEM NARRATIVE	

CARD READER EQUIPMENT SCHEDULE									
CARD READER #	ASSOCIATED DOOR	ASSOCIATED ELECTRIC LOCK	PRIMARY CONTROL			INSTALLATION TYPE	INSTALLATION DETAIL REFERENCE	NOTES	
			Control Point	System Narrative	Termination Point				
CR-1	202B	EL-1	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-2	101A	EL-2	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-3	297B	EL-7	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-4	295B	EL-4	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-5	--	--	--	--	--	--	--	--	
CR-6	299A	EL-5	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-7	312A	EL-6	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-8	297B	EL-7	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-9	296.08A	EL-8	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-10	295.10	EL-9	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-11	--	--	--	--	--	--	--	--	
CR-12	389.5A	EL-14	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-13	386.1A	EL-15	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-14	386.1A	EL-15	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-15	386A	EL-16	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-16	386A	EL-16	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-17	386.2A	EL-13	CP-2	4/SE8.4	403	FRAME	10/SE9.1	SLIM LINE READER	
CR-18	386.2A	EL-13	CP-2	4/SE8.4	403	FRAME	10/SE9.1	SLIM LINE READER	
CR-19	388.3B	EL-21	CP-2	4/SE8.4	403	FRAME	10/SE9.1	SLIM LINE READER	
CR-20	388.3B	EL-21	CP-2	4/SE8.4	403	FRAME	10/SE9.1	SLIM LINE READER	
CR-21	386.1B	EL-31	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	
CR-22	386.1B	EL-31	CP-2	4/SE8.4	403	WALL	10/SE9.1	--	

INTERCOM EQUIPMENT SCHEDULE										
INTERCOM DEVICE #	CONTROL POINT				CCTV INTERFACE		INSTALLATION TYPE	INSTALLATION DETAIL REFERENCE	NOTES	
	PRIMARY CONTROL	SECONDARY CONTROL	SYSTEM NARRATIVE	TERMINATION POINT	#1	#2				
IC-1	CP-2	CP-1	4/SE8.6	403	CCTV-1	--	WALL	1/SE9.1	--	
IC-2	CP-2	CP-1	4/SE8.6	403	CCTV-2	--	WALL	1/SE9.1	INTERCOM IN ELEVATOR CAB	
IC-3	CP-2	CP-1	10/SE9.1	403	CCTV-6	--	WALL	1/SE9.1	--	
IC-4	CP-2	CP-1	4/SE8.6	403	CCTV-8	--	WALL	1/SE9.1	--	
IC-5	CP-2	CP-1	3/SE8.5	403	CCTV-23	--	FRAME	2/SE9.1	--	
IC-6	CP-2	CP-1	3/SE8.5	403	CCTV-37	--	FRAME	2/SE9.1	--	
IC-7	CP-2	CP-1	3/SE8.5	403	CCTV-22	--	FRAME	2/SE9.1	--	
IC-8	CP-2	CP-1	3/SE8.5	403	CCTV-26	--	FRAME	2/SE9.1	--	
IC-9	CP-2	CP-1	3/SE8.5	403	CCTV-24	--	WALL	1/SE9.1	--	
IC-10	CP-2	CP-1	3/SE8.5	403	CCTV-25	--	WALL	1/SE9.1	--	
IC-11	CP-2	CP-1	4/SE8.5	403	CCTV-25	--	FRAME	2/SE9.1	--	
IC-12	CP-2	CP-1	4/SE8.5	403	CCTV-26	--	FRAME	2/SE9.1	--	
IC-13	CP-2	CP-1	1/SE8.5	403	CCTV-43	--	WALL	1/SE9.1	--	
IC-14	CP-2	CP-1	1/SE8.5	403	CCTV-43	--	WALL	1/SE9.1	--	
IC-15	CP-2	CP-1	4/SE8.5	403	CCTV-43	--	WALL	1/SE9.1	--	
IC-16	CP-2	CP-1	4/SE8.5	403	CCTV-31	--	WALL	1/SE9.1	--	
IC-17	CP-2	CP-1	4/SE8.6	403	CCTV-31	--	WALL	1/SE9.1	--	
IC-18	CP-2	CP-1	4/SE8.5	403	CCTV-31	--	FRAME	2/SE9.1	--	
IC-19	CP-2	CP-1	4/SE8.5	403	CCTV-30	--	FRAME	2/SE9.1	--	
IC-20	CP-2	CP-1	1/SE8.6	403	CCTV-32	--	WALL	1/SE9.1	--	
IC-21	CP-2	CP-1	1/SE8.6	403	CCTV-32	--	WALL	1/SE9.1	--	
IC-22	CP-2	CP-1	1/SE8.6	403	CCTV-29	--	WALL	1/SE9.1	--	
IC-23	CP-2	CP-1	4/SE8.5	403	CCTV-29	--	FRAME	2/SE9.1	--	
IC-24	CP-2	CP-1	4/SE8.5	403	CCTV-26	--	FRAME	2/SE9.1	--	
IC-25	CP-2	CP-1	3/SE8.5	403	CCTV-34	--	FRAME	2/SE9.1	--	
IC-26	CP-2	CP-1	3/SE8.5	403	CCTV-32	--	FRAME	2/SE9.1	--	
IC-27	CP-2	CP-1	1/SE8.6	403	CCTV-32	--	WALL	1/SE9.1	--	
IC-28	CP-2	CP-1	1/SE8.6	403	CCTV-32	--	WALL	1/SE9.1	--	
IC-29	CP-2	CP-1	3/SE8.5	403	CCTV-33	--	FRAME	2/SE9.1	--	
IC-30	CP-2	CP-1	3/SE8.5	403	CCTV-34	--	FRAME	2/SE9.1	--	
IC-31	CP-2	CP-1	3/SE8.5	403	CCTV-33	--	FRAME	2/SE9.1	--	
IC-32	CP-2	CP-1	3/SE8.5	403	CCTV-35	--	FRAME	2/SE9.1	--	
IC-33	CP-2	CP-1	3/SE8.5	403	CCTV-35	--	WALL	1/SE9.1	--	
IC-34	CP-2	CP-1	3/SE8.5	403	CCTV-35	--	WALL	1/SE9.1	--	
IC-35	CP-2	CP-1	3/SE8.5	403	CCTV-35	--	WALL	1/SE9.1	--	
IC-36	CP-2	CP-1	3/SE8.5	403	CCTV-34	--	WALL	1/SE9.1	--	
IC-37	CP-2	CP-1	3/SE8.5	403	CCTV-36	--	WALL	1/SE9.1	--	
IC-38	CP-2	CP-1	3/SE8.5	403	CCTV-36	--	WALL	1/SE9.1	--	
IC-39	CP-2	CP-1	3/SE8.5	403	CCTV-36	--	WALL	1/SE9.1	--	
IC-40	CP-2	CP-1	3/SE8.5	403	CCTV-34	--	WALL	1/SE9.1	--	
IC-41	CP-2	CP-1	3/SE8.5	403	CCTV-36	--	WALL	1/SE9.1	--	
IC-42	CP-2	CP-1	3/SE8.5	403	CCTV-37	--	WALL	1/SE9.1	--	
IC-43	CP-2	CP-1	3/SE8.5	403	CCTV-34	--	WALL	1/SE9.1	--	
IC-44	CP-2	CP-1	3/SE8.5	403	CCTV-37	--	WALL	1/SE9.1	--	
IC-45	CP-2	CP-1	4/SE8.6	403	CCTV-41	--	WALL	1/SE9.1	--	
IC-46	--	--	--	--	--	--	--	--	--	
IC-47	CP-1	CP-2	--	325	--	--	DESK	--	MASTER INTERCOM STATION-EXISTING JAIL	
IC-48	CP-2	CP-1	--	403	--	--	DESK	--	MASTER INTERCOM STATION-REENTRY	
IC-49	CP-2	CP-1	3/SE8.5	403	CCTV-27	--	WALL	1/SE9.1	--	
IC-50	CP-2	CP-1	3/SE8.5	403	CCTV-28	--	WALL	1/SE9.1	--	

DEVICE, RACEWAY AND WIRE SCHEDULE											
DEVICE DESCRIPTION	CABLE IDENTIFIER	CABLE BACKBOX	BACKBOX MOUNTING PER DEVICE		FIELD DEVICES	CONDUIT SIZE (IN)	CONNECTION	DESCRIPTION PER DEVICE			
			BACKBOX	MUD RING				# CBLS	CABLE TYPE		
INTERIOR CCTV CAMERA, $\times 25/18$ , PoE	CC1	4" SQ	---	---	1	3/4	RJ-45	1	CAT 6		
	CC2	---	---	---	1	3/4	RJ-45	2	CAT 6		
	CC3	---	---	---	1	3/4	RJ-45	3	CAT 6		
	CC4	---	---	---	1	1	RJ-45	4	CAT 6		
ELEVATOR CAMERA	CC5	4SQ	---	---	1	3/4	BNC	1	RG-6/U 1 PR #16		
CCTV MONITOR	CCM	4" SQ	1-GANG	---	1	1 1/4	RJ-45	1	CAT 6		
DOOR POSITION INDICATION SWITCH	DP1	---	---	---	1	3/4	---	1	1C-3#18		
	DP2	---	---	---	1	3/4	---	2	1C-3#18		
DURESS PUSHBUTTON	DUR1	4" SQ	1-GANG	---	1	3/4	---	1	1C-2#18		
	DUR2	4" SQ	1-GANG	---	1	3/4	---	2	1C-2#18		
	DUR3	4" SQ	1-GANG	---	1	3/4	---	3	1C-2#18		
	DUR4	4" SQ	1-GANG	---	1	3/4	---	3	1C-2#18		
24VDC ELECTRIC MOTOR W/ DPIS AND JAMB SWITCH, 1/2 CYCLE	EM1B	LOCKPOCKET BY DEC	---	---	1	0.75	---	6	#18, SOLID #14, SOLID, GND		
	EM2B	LOCKPOCKET BY DEC	---	---	1	3/4	---	12	#18, SOLID #14, SOLID, GND		
	EM3B	LOCKPOCKET BY DEC	---	---	1	1	---	18	#18, SOLID #14, SOLID, GND		
FIBER OPTIC BACKBONE	FOB	---	---	---	1	2	---	1	6 STR MULTIMODE CABLE		
GROUND - LVSE ROOM	GND	---	---	---	1	2	---	1	1#4		
LOCAL ALARM HORN/STROBE WALL MOUNT	HS1	4" SQ	1-GANG	---	1	3/4	---	1	1C-4#18		
INTERCOM STATION, DIGITAL	IC1	4" SQ	2-GANG								



- KEYNOTES:**
1. STUB-UP TO LVSE ROOM ABOVE.
  2. PROVIDE (2) 2" CONDUITS FOR INTERCONNECT TO EXISTING JAIL SECURITY ELECTRONICS SYSTEMS.
  3. PROVIDE PULL BOX, SIZE AS REQUIRED, ABOVE ACCESSIBLE CEILING.
- NOTES:**
- ALL CONDUITS SHALL BE METALLIC. REFERENCE THE SPECIFICATIONS FOR SPECIFIC CONDUIT REQUIREMENTS.
  - COORDINATE WITH THE GENERAL CONTRACTOR FOR PATCHING AND REPAIRING OF EXISTING WALLS AS REQUIRED TO EXTEND CONDUIT AND WIRING.
  - THE CONTRACTOR SHALL VERIFY THE TYPE OF WALL PENETRATION REQUIRED FOR EACH CONDUIT. PROVIDE CONCRETE DRILLING AS REQUIRED TO ROUTE CONDUITS.

### FLOOR PLAN LEGEND

REFER TO DRAWINGS A211, A212, A213 & A214 FOR DIMENSIONED FLOOR PLANS.

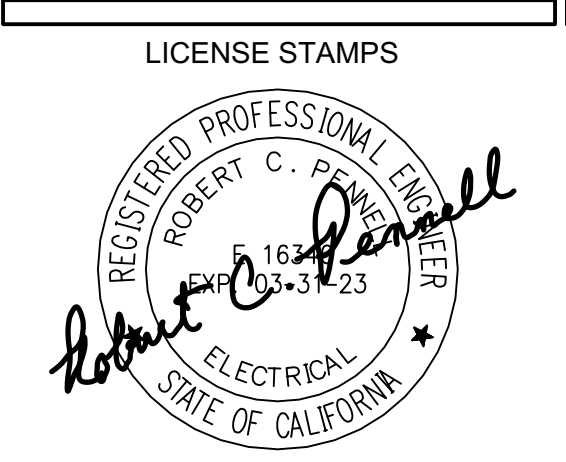
---	LINE OF WALL BELOW GRADE		
AA	WINDOW AND NUMBER, REFER TO DRAWING A702 FOR WINDOW SCHED	DOOR AND/OR FRAME AND NUMBER, REFER TO SHEET A710 FOR DOOR SCHED	
UPPER CABINET SINK, AS OCCURS	CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION	ROOFTOP WALKWAY MATS	
BASE CABINET & COUNTERTOP			
3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS	SEE DETAIL W11/G122	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W8/G122
3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W12/G122	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W9/G122
3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W13/G122	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS	SEE DETAIL W7/G122
NON-RATED 12" INSULATED CMU NON-BEARING WALL	SEE DETAIL W14/G122	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS	SEE DETAIL W16/G121
		NON-RATED CONCRETE SITE RETAINING WALL	SEE DETAIL W15/G121
		3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS	SEE DETAILS W1 & W2/G121
		METAL STUD WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W5/G121
		METAL STUD WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W6/G121
		NON-RATED METAL STUD WALL	SEE DETAILS W3 & W4/G121



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**PROJECT NAME**  
 HUMBOLDT COUNTY  
 COMMUNITY  
 CORRECTIONS  
 RE-ENTRY  
 RESOURCE CENTER  
 929 5th STREET  
 EUREKA, CA 95501

**SHEET TITLE**  
 SECURITY ELECTRONICS  
 CONDUIT -  
 THIRD FLOOR PLAN

**DRAWING STATUS**  
 WORKING DRAWINGS

**REVISIONS**

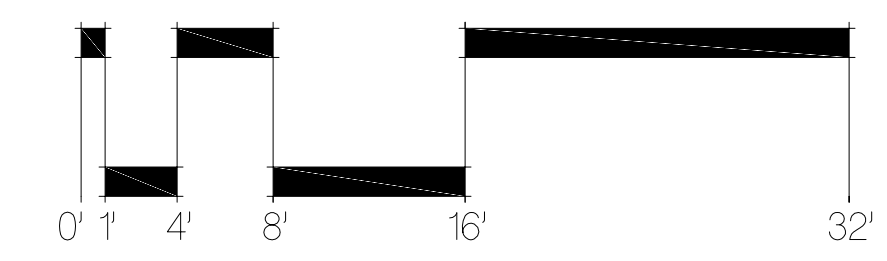
Delta	Description	Date

Drawn By: BKB/RCP  
 Date Issued: 09.19.2022  
 Scale: 1/8" = 1'-0"  
 Project No.: 16-6421.00

SHEET No.  
**SE2.3 V4**

## THIRD FLOOR PLAN: SECURITY ELECTRONICS CONDUIT

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



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# FLOOR PLAN LEGEND

REFER TO DRAWINGS A211, A212, A213 & A214 FOR DIMENSIONED FLOOR PLANS.

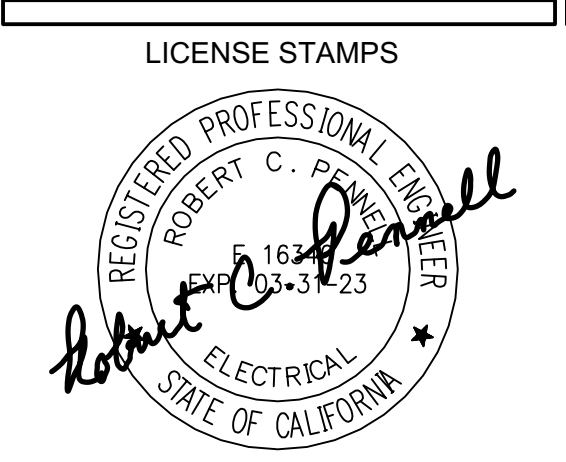
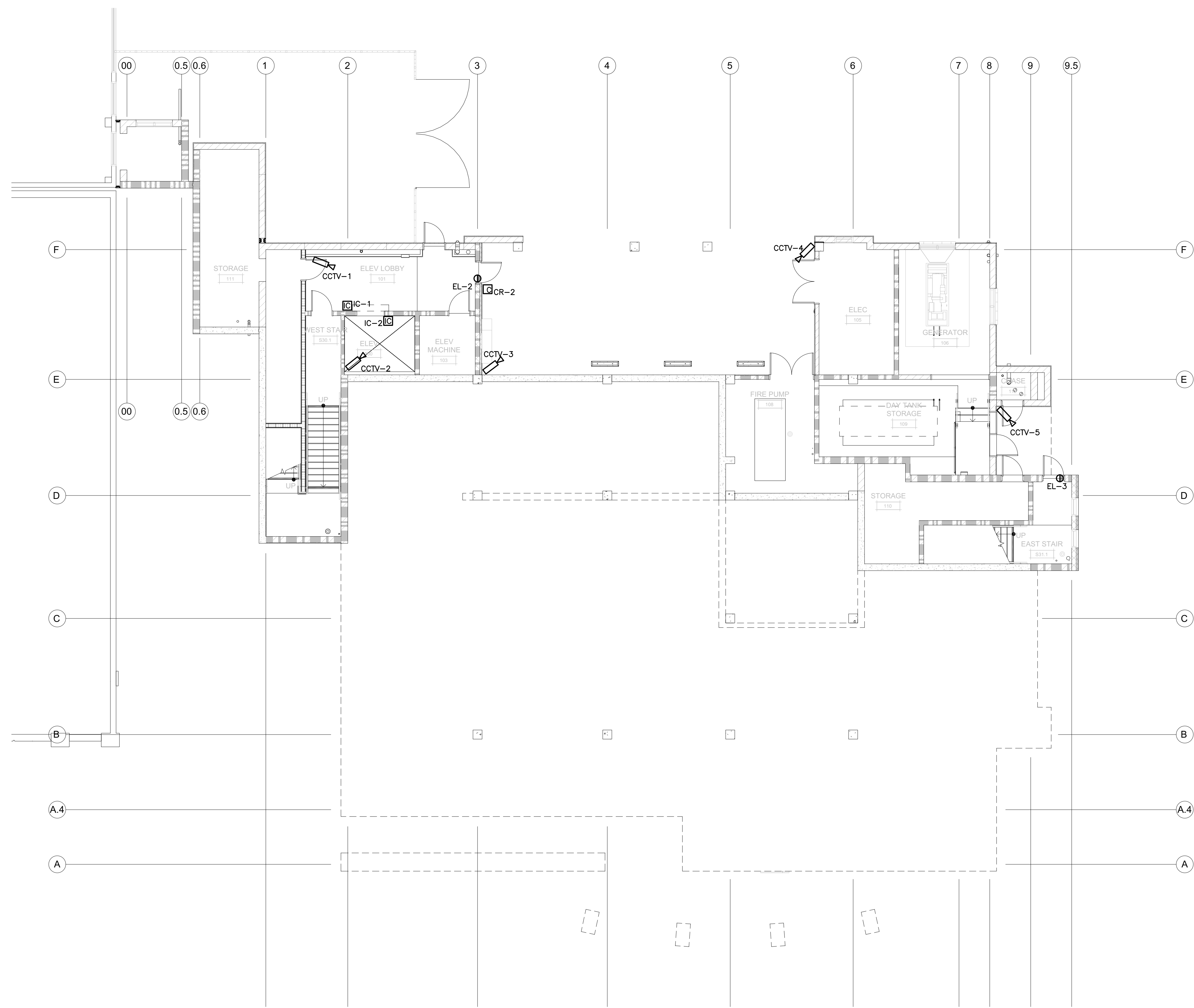
---	LINE OF WALL BELOW GRADE		
	WINDOW AND NUMBER, REFER TO DRAWING A70 FOR WINDOW SCHED		DOOR AND/OR FRAME AND NUMBER, REFER TO SHEET A710 FOR DOOR SCHED
	UPPER CABINET SINK, AS OCCURS		CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
	BASE CABINET & COUNTERTOP		ROOFTOP WALKWAY MATS
	3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS		SEE DETAIL W11/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS		SEE DETAIL W12/G122
	3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS		SEE DETAIL W13/G122
	NON-RATED 12" INSULATED CMU NON-BEARING WALL		SEE DETAIL W14/G122
	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS		SEE DETAIL W10/G122
	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS		SEE DETAIL W8/G122
	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS		SEE DETAIL W9/G122
	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS		SEE DETAIL W7/G122
	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS		SEE DETAIL W16/G121
	NON-RATED CONCRETE SITE RETAINING WALL		SEE DETAIL W15/G121
	3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS		SEE DETAILS W1 & W2/G121
	METAL STUD WALL 1 HOUR PROTECTED OPENINGS		SEE DETAIL W5/G121
	METAL STUD WALL 2 HOUR PROTECTED OPENINGS		SEE DETAIL W6/G121
	NON-RATED METAL STUD WALL		SEE DETAILS W3 & W4/G121



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SECURITY ELECTRONICS - FIRST FLOOR PLAN**

DRAWING STATUS  
**WORKING DRAWINGS**

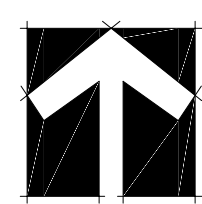
REVISIONS

Delta	Description	Date

Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

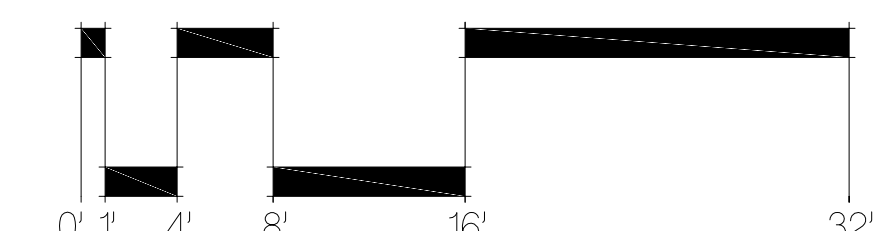
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**SE5.1 V4**

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## FIRST FLOOR PLAN: SECURITY ELECTRONICS

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



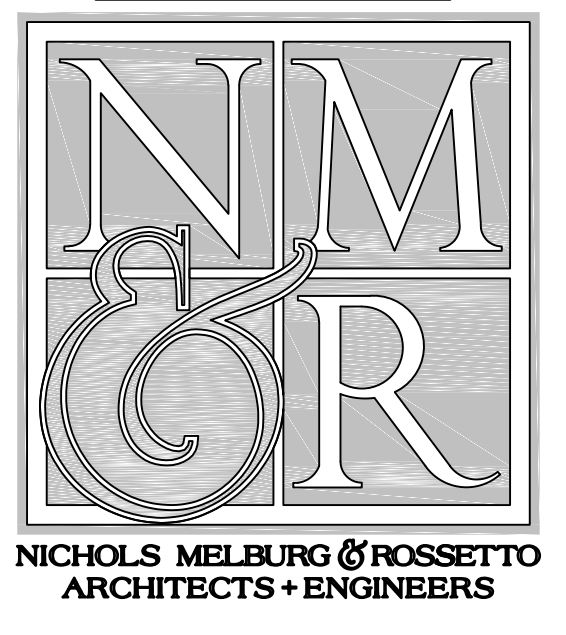
# FLOOR PLAN LEGEND

REFER TO DRAWINGS A211, A212, A213 & A214 FOR DIMENSIONED FLOOR PLANS.

LINE OF WALL BELOW GRADE	DOOR AND/OR FRAME AND NUMBER, REFER TO SHEET A710 FOR DOOR SCHED	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS	SEE DETAIL W10/G122
WINDOW AND NUMBER, REFER TO DRAWING A720 FOR WINDOW SCHED	ROOFTOP WALKWAY MATS	3 HOUR CMU BEARING WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W8/G122
UPPER CABINET 20K. AS OCCURS	CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W9/G122
BASE CABINET & COUNTERTOP		NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS	SEE DETAIL W7/G122
		3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS	SEE DETAIL W16/G121
		NON-RATED CONCRETE SITE RETAINING WALL	SEE DETAIL W15/G121
		3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS	SEE DETAILS W1 & W2/G121
		METAL STUD WALL 1 HOUR PROTECTED OPENINGS	SEE DETAIL W5/G121
		METAL STUD WALL 2 HOUR PROTECTED OPENINGS	SEE DETAIL W6/G121
		NON-RATED METAL STUD WALL	SEE DETAILS W3 & W4/G121
3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS			
3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS			
3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS			
NON-RATED 12" INSULATED CMU NON-BEARING WALL			

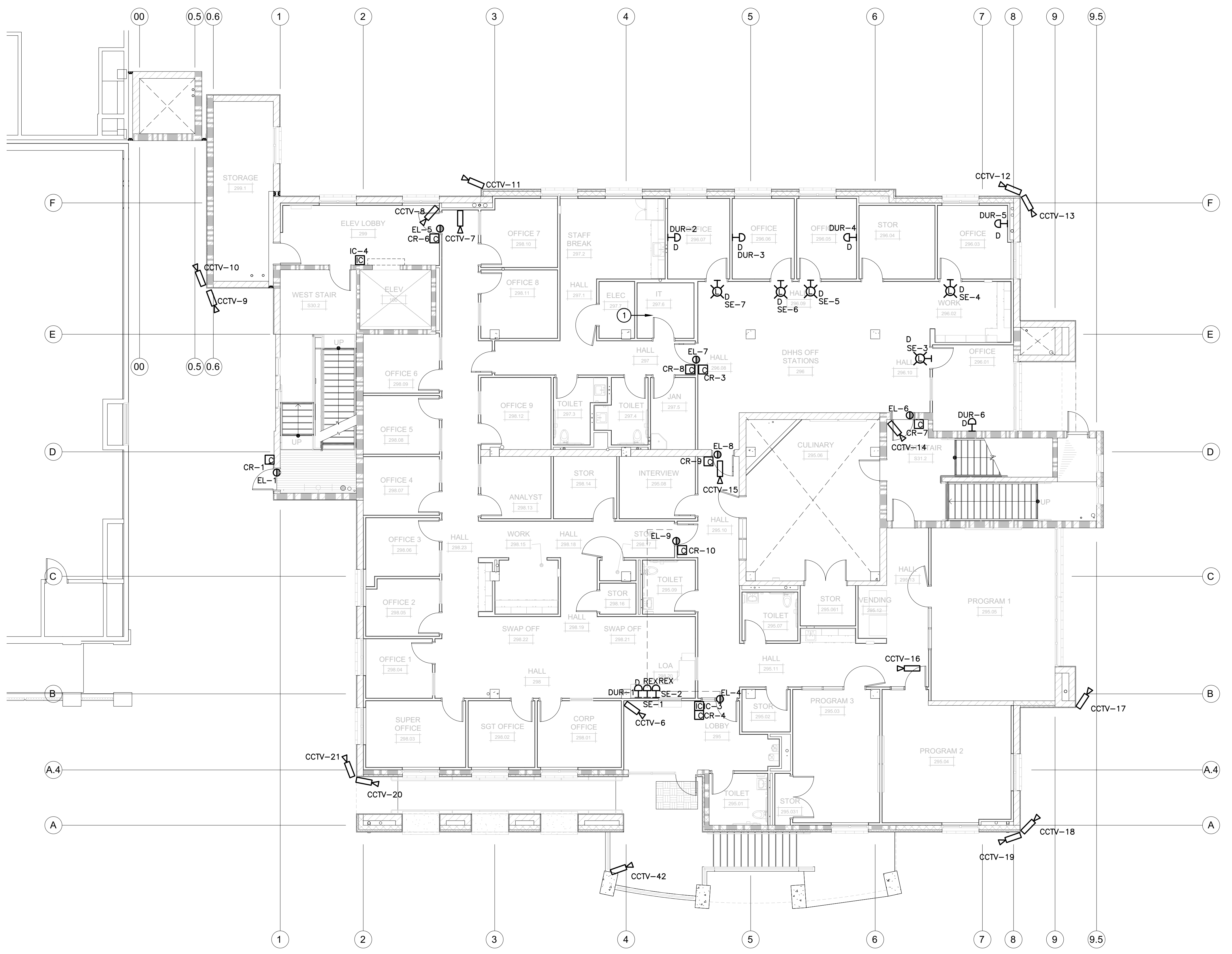


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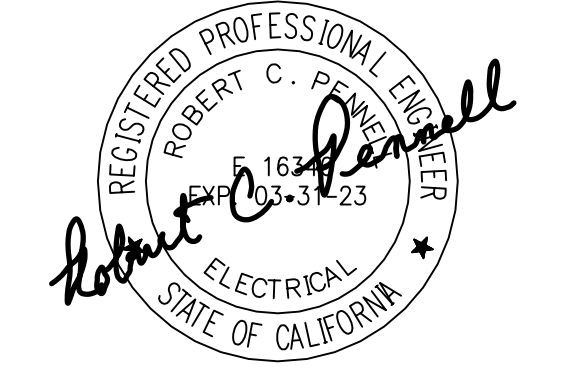


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- KEYNOTES:**
- LOCATION FOR COUNTY ADMINISTRATIVE NETWORK INTERTIE.
  - UNDERSIDE OF CONNECTING BRIDGE.
- NOTES:**
- A. NA



LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SECURITY ELECTRONICS - SECOND FLOOR PLAN**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

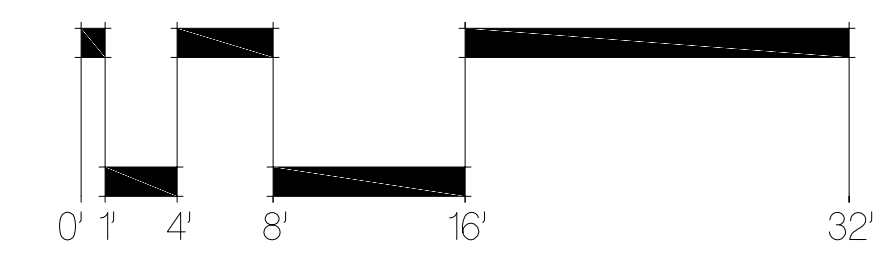
Delta	Description	Date

Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**SE5.2 V4**

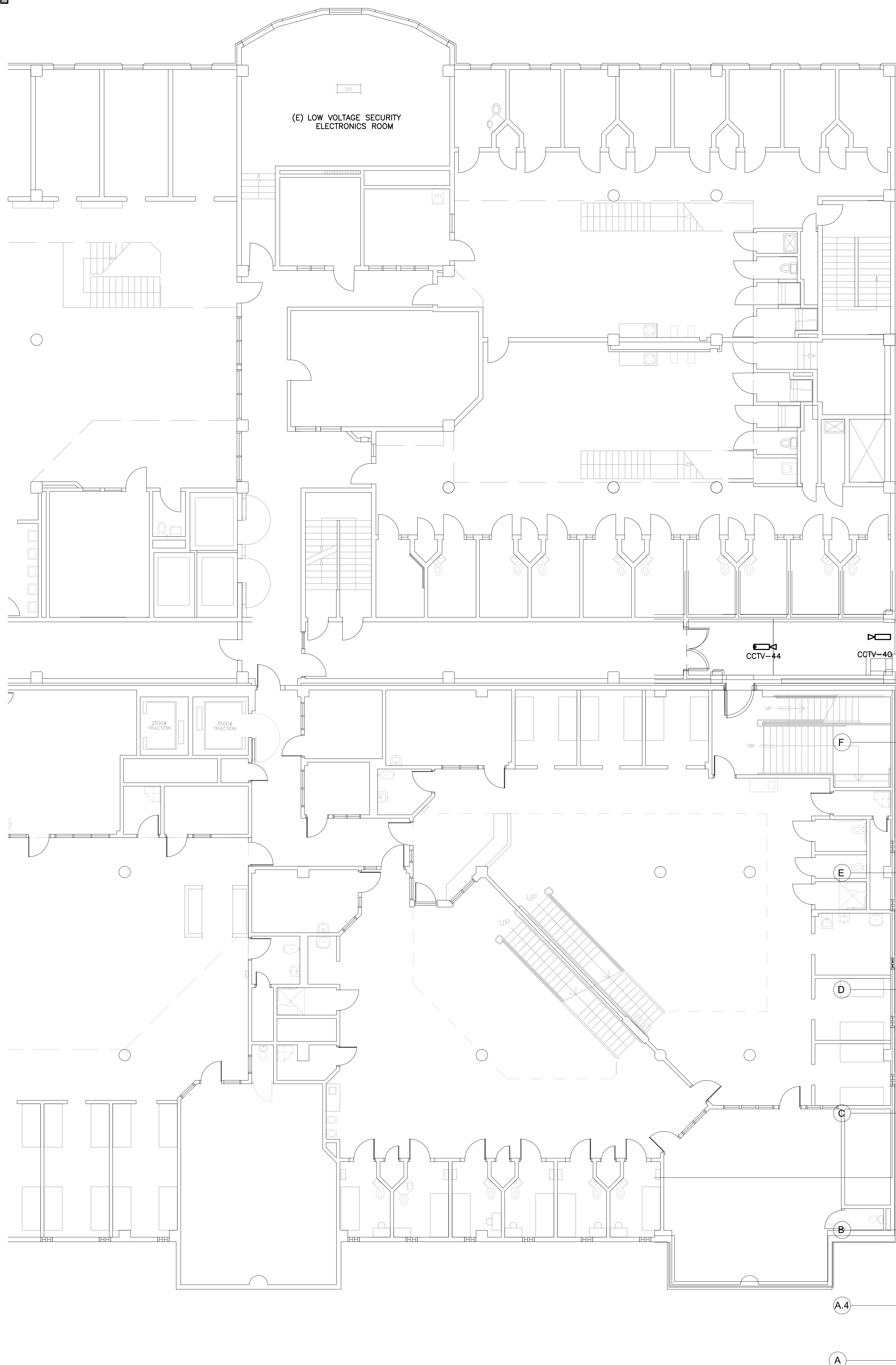
## SECOND FLOOR PLAN: SECURITY ELECTRONICS

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



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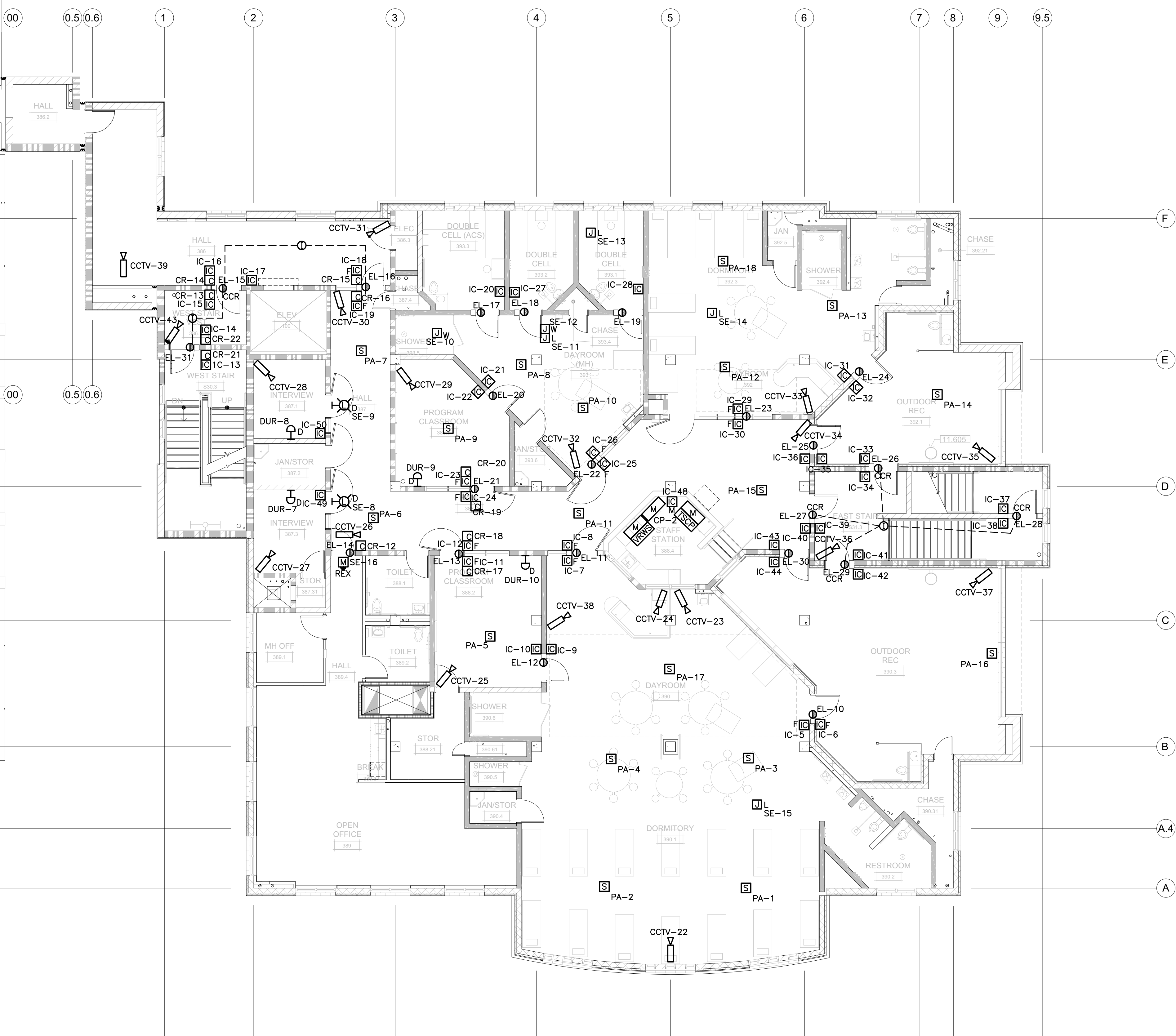




### FLOOR PLAN LEGEND

REFER TO DRAWINGS A211, A212, A213 & A214 FOR DIMENSIONED FLOOR PLANS.

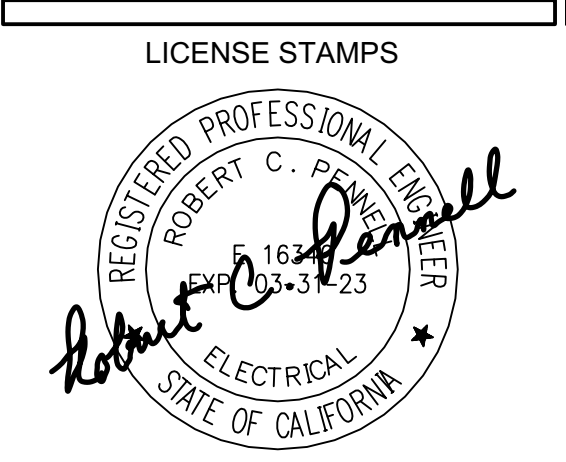
---	LINE OF WALL BELOW GRADE		
AA	WINDOW AND NUMBER, REFER TO DRAWING A70 FOR WINDOW SCHED		
UPPER CABINET SINK, AS OCCURS		DOOR AND/OR FRAME AND NUMBER, REFER TO SHEET A710 FOR DOOR SCHED	
CASEWORK, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION		ROOFTOP WALKWAY MATS	
BASE CABINET & COUNTERTOP			
3 HOUR 12" INSULATED CMU BEARING WALL UNPROTECTED OPENINGS		SEE DETAIL W11/G122	3 HOUR CMU BEARING WALL UNPROTECTED OPENINGS
3 HOUR 12" INSULATED CMU BEARING WALL 1 HOUR PROTECTED OPENINGS		SEE DETAIL W12/G122	3 HOUR CMU BEARING WALL 2 HOUR PROTECTED OPENINGS
3 HOUR 12" INSULATED CMU BEARING WALL 2 HOUR PROTECTED OPENINGS		SEE DETAIL W13/G122	NON-RATED CMU WALL, NON-BEARING UNPROTECTED OPENINGS
NON-RATED 12" INSULATED CMU NON-BEARING WALL		SEE DETAIL W14/G122	3 HOUR CONCRETE RETAINING WALL UNPROTECTED OPENINGS
			NON-RATED CONCRETE SITE RETAINING WALL
			3 HOUR 6" METAL STUD BEARING WALL UNPROTECTED OPENINGS
			METAL STUD WALL 1 HOUR PROTECTED OPENINGS
			METAL STUD WALL 2 HOUR PROTECTED OPENINGS
			NON-RATED METAL STUD WALL
			SEE DETAIL W10/G122
			SEE DETAIL W8/G122
			SEE DETAIL W9/G122
			SEE DETAIL W7/G122
			SEE DETAIL W16/G121
			SEE DETAIL W15/G121
			SEE DETAILS W1 & W2/G121
			SEE DETAIL W5/G121
			SEE DETAIL W6/G121
			SEE DETAILS W3 & W4/G121



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 400 S. Jefferson, Suite 301  
 Spokane, WA 99204  
 (T) 509.747.1888 (F) 509.747.1872



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SECURITY ELECTRONICS - THIRD FLOOR PLAN**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

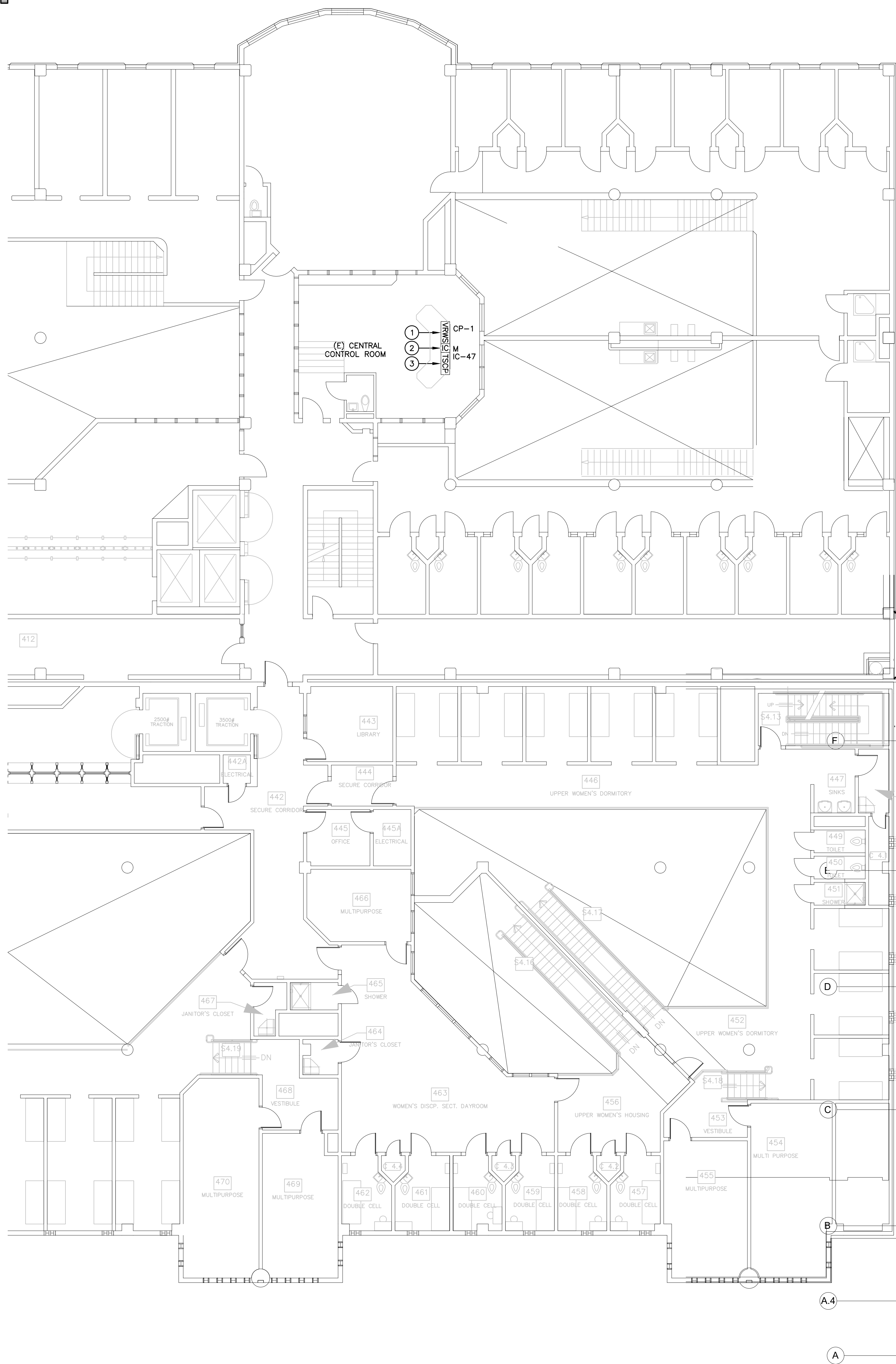
Drawn By: BKB/RCP  
 Date Issued: 09.19.2022  
 Scale: 1/8" = 1'-0"  
 Project No.: 16-6421.00

SHEET No.  
**SE5.3 V4**

## THIRD FLOOR PLAN: SECURITY ELECTRONICS

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

Login Name: Ghanaman  
 Date: 09/19/2022 1:42:24 PM  
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**KEYNOTES:**

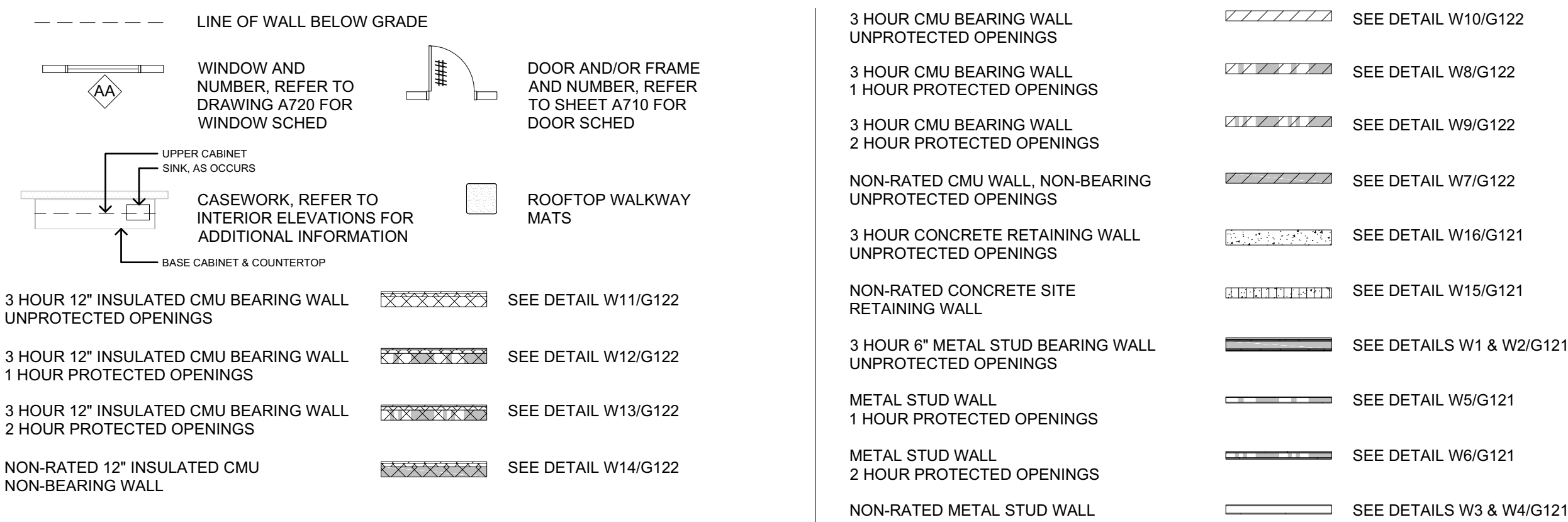
1. EXISTING VIDEO REVIEW WORKSTATION. UPDATE WORKSTATION TO INCLUDE VIEWING OF ALL CAMERAS ADDED UNDER THIS PROJECT.
2. EXISTING MASTER INTERCOM STATION. UPDATE HEADEND EQUIPMENT TO INCLUDE INTERCOM AND PAGING COMMUNICATIONS WITH ALL FIELD INTERCOMS AND PAGING SPEAKERS ADDED UNDER THIS PROJECT.
3. EXISTING TOUCHSCREEN CONTROL WORKSTATION. UPDATE WORKSTATION TO INCLUDE NEW MOVEMENT DOORS ADDED UNDER THIS PROJECT. UPDATE WORKSTATION TO INCLUDE TAKEOVER CONTROL FOR NEW TSCP ADDED UNDER THIS PROJECT.

**NOTES:**

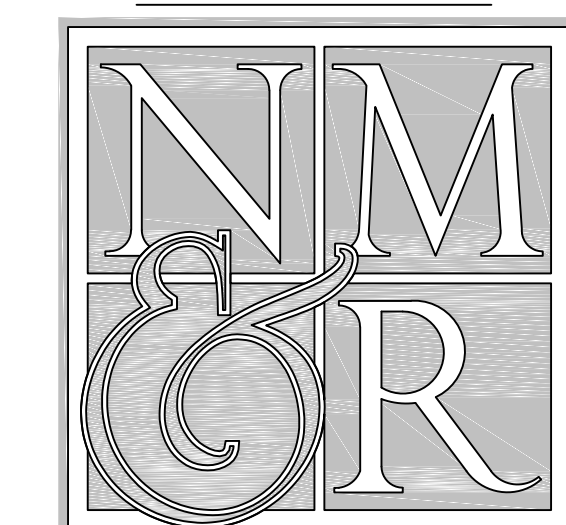
- A. ALL CONDUITS SHALL BE METALLIC. REFERENCE THE SPECIFICATIONS FOR SPECIFIC CONDUIT REQUIREMENTS.
- B. COORDINATE WITH THE GENERAL CONTRACTOR FOR PATCHING AND REPAIRING OF EXISTING WALLS AS REQUIRED TO EXTEND CONDUIT AND WIRING.
- C. THE CONTRACTOR SHALL VERIFY THE TYPE OF WALL PENETRATION REQUIRED FOR EACH CONDUIT. PROVIDE CONCRETE DRILLING AS REQUIRED TO ROUTE CONDUITS.

**FLOOR PLAN LEGEND**

REFER TO DRAWINGS A211, A212, A213 & A214 FOR DIMENSIONED FLOOR PLANS.



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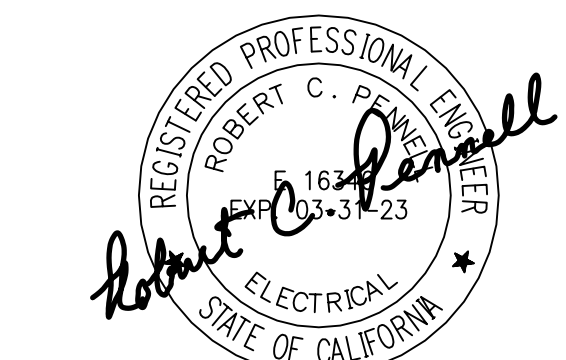
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CONSULTING ARCHITECT  
**LIONAKIS**

CONSULTANTS

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**LICENSE STAMPS**



**PROJECT NAME**  
 HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER  
 929 5th STREET EUREKA, CA 95501

**SHEET TITLE**  
 SECURITY ELECTRONICS - OVERALL PENTHOUSE PLAN

**DRAWING STATUS**  
 WORKING DRAWINGS

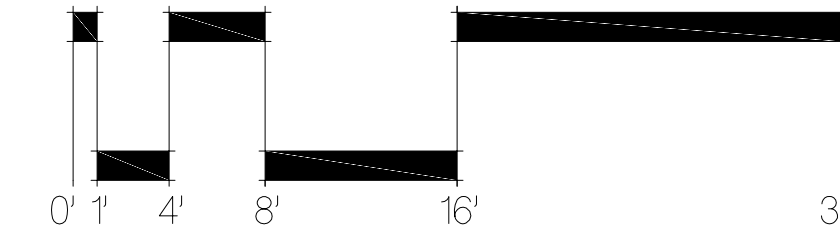
REVISIONS		
Delta	Description	Date

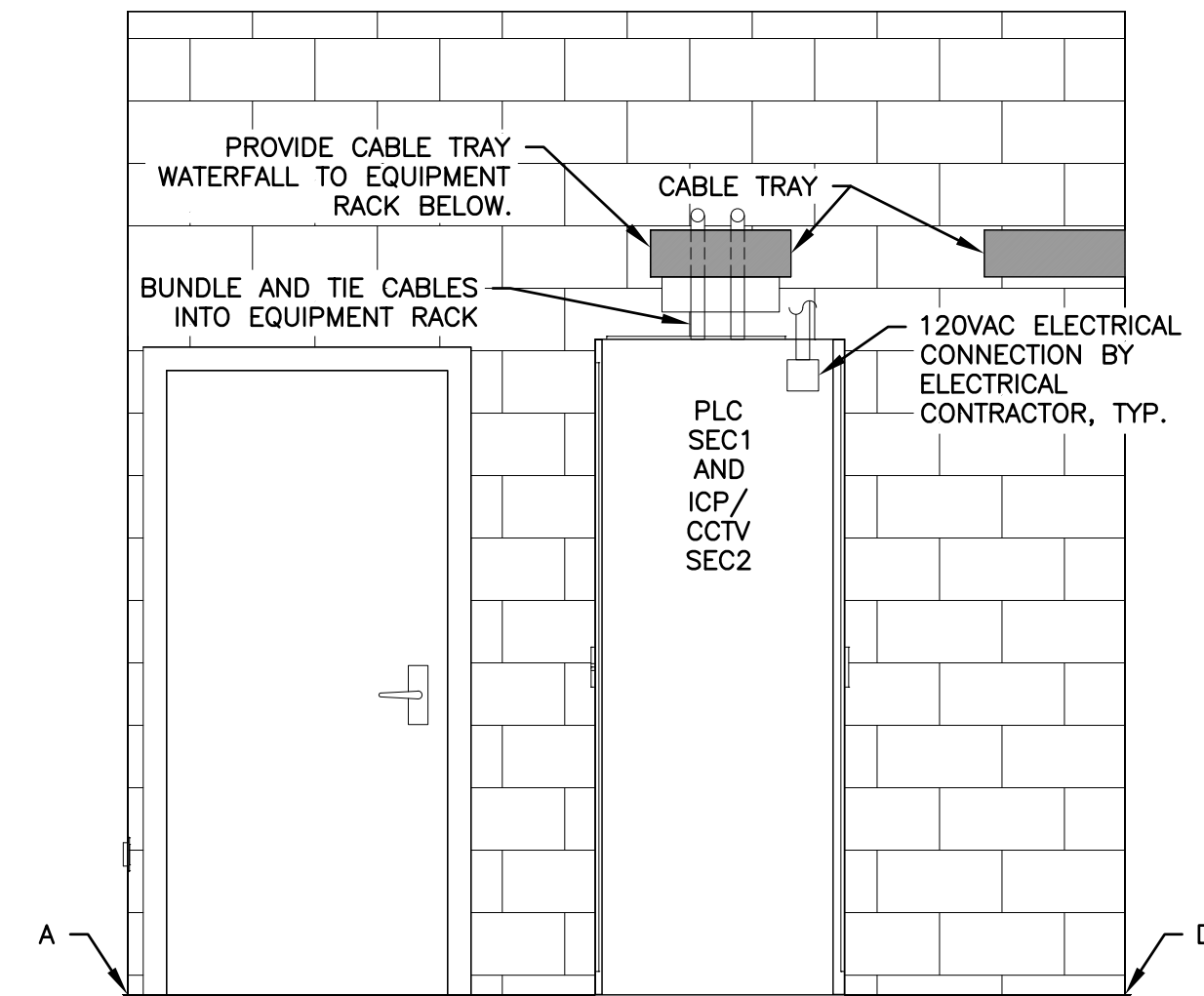
Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	1/8" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**SE5.4 V4**

**OVERALL PENTHOUSE PLAN: SECURITY ELECTRONICS**

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

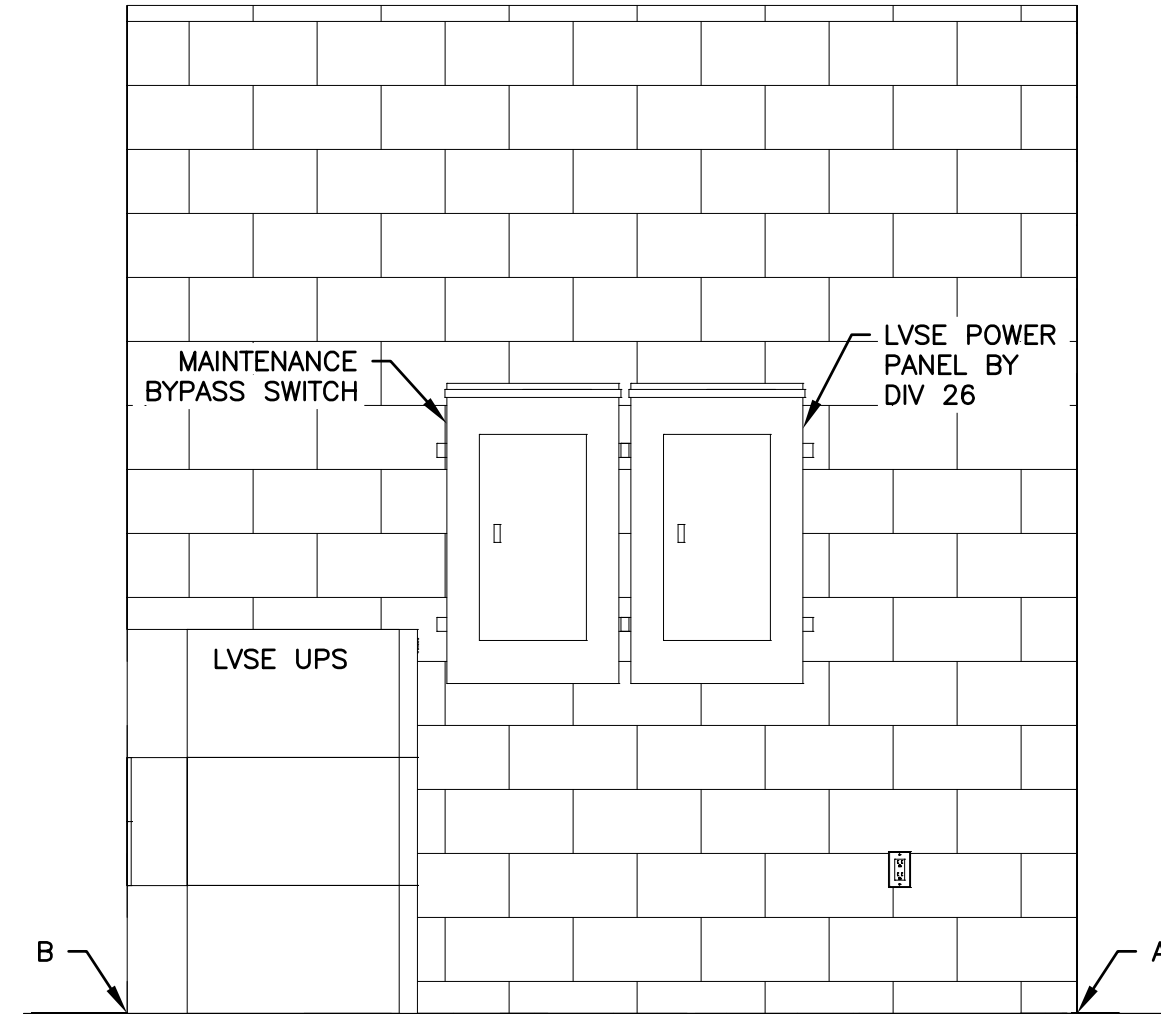




**LOW VOLTAGE ROOM - RM 403  
EAST WALL ELEVATION SECTION D - A**

1

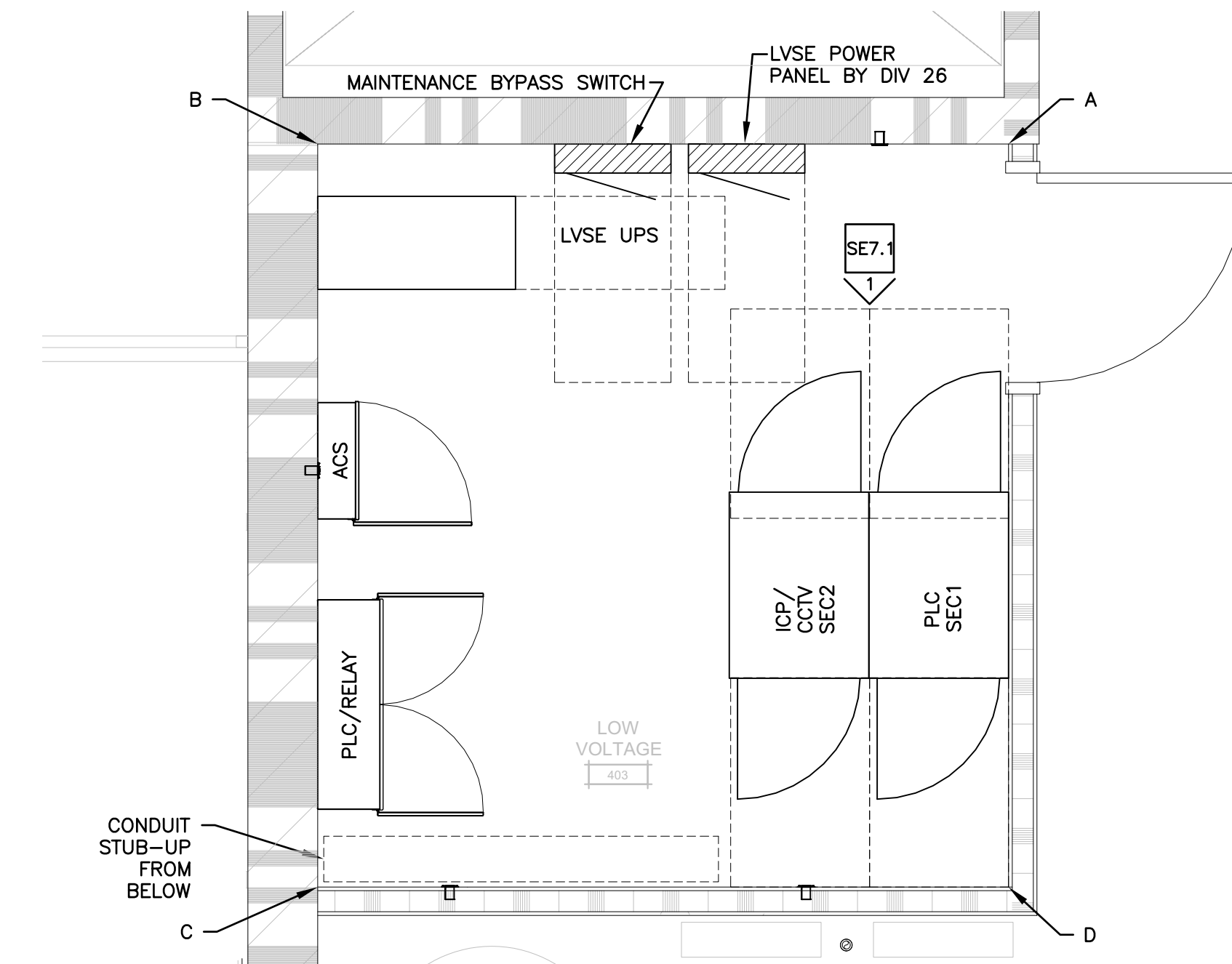
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**LOW VOLTAGE ROOM - RM 403  
NORTH WALL ELEVATION SECTION A - B**

1

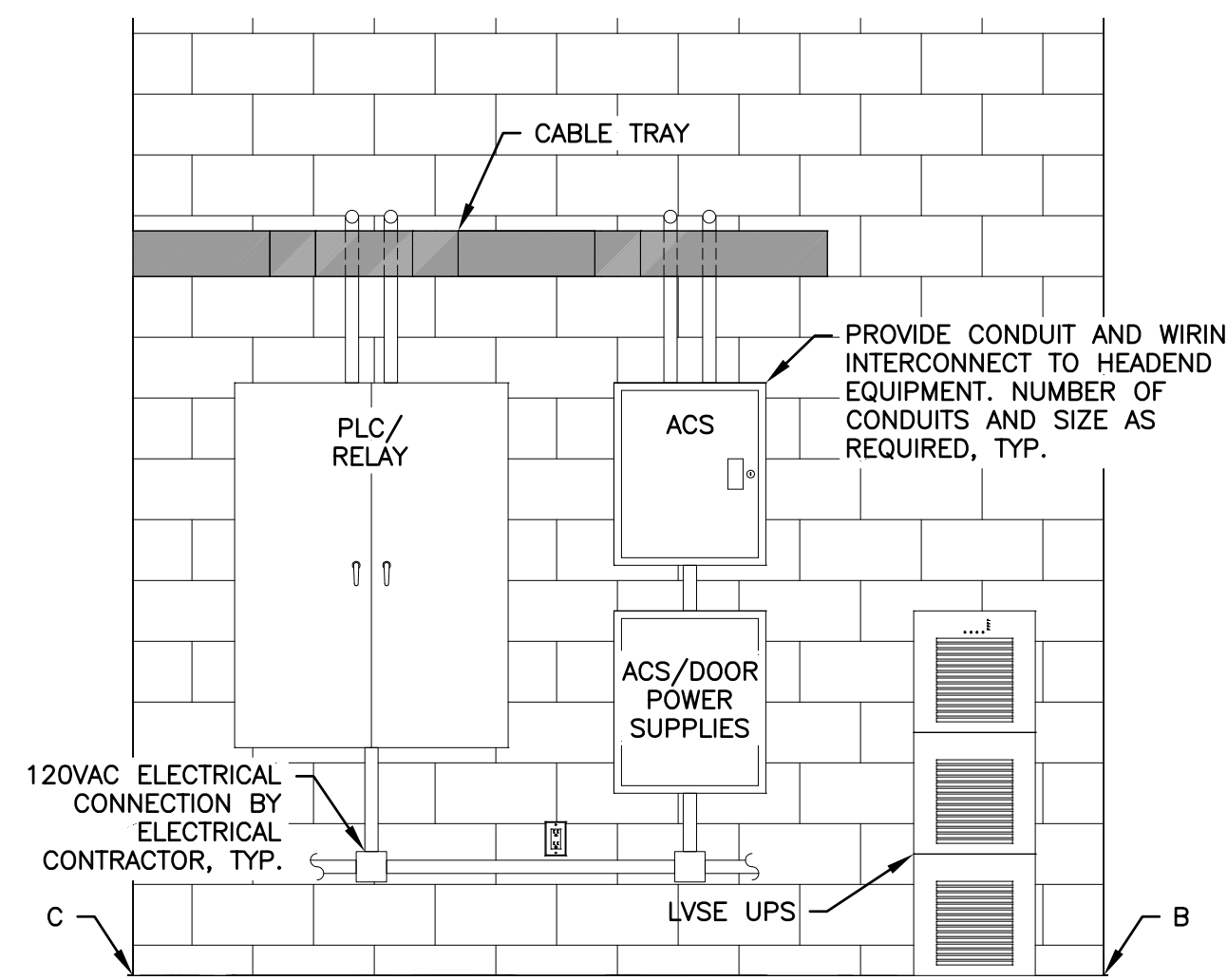
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**LARGE SCALE FLOOR PLAN  
LVSE EQUIPMENT ROOM**

1

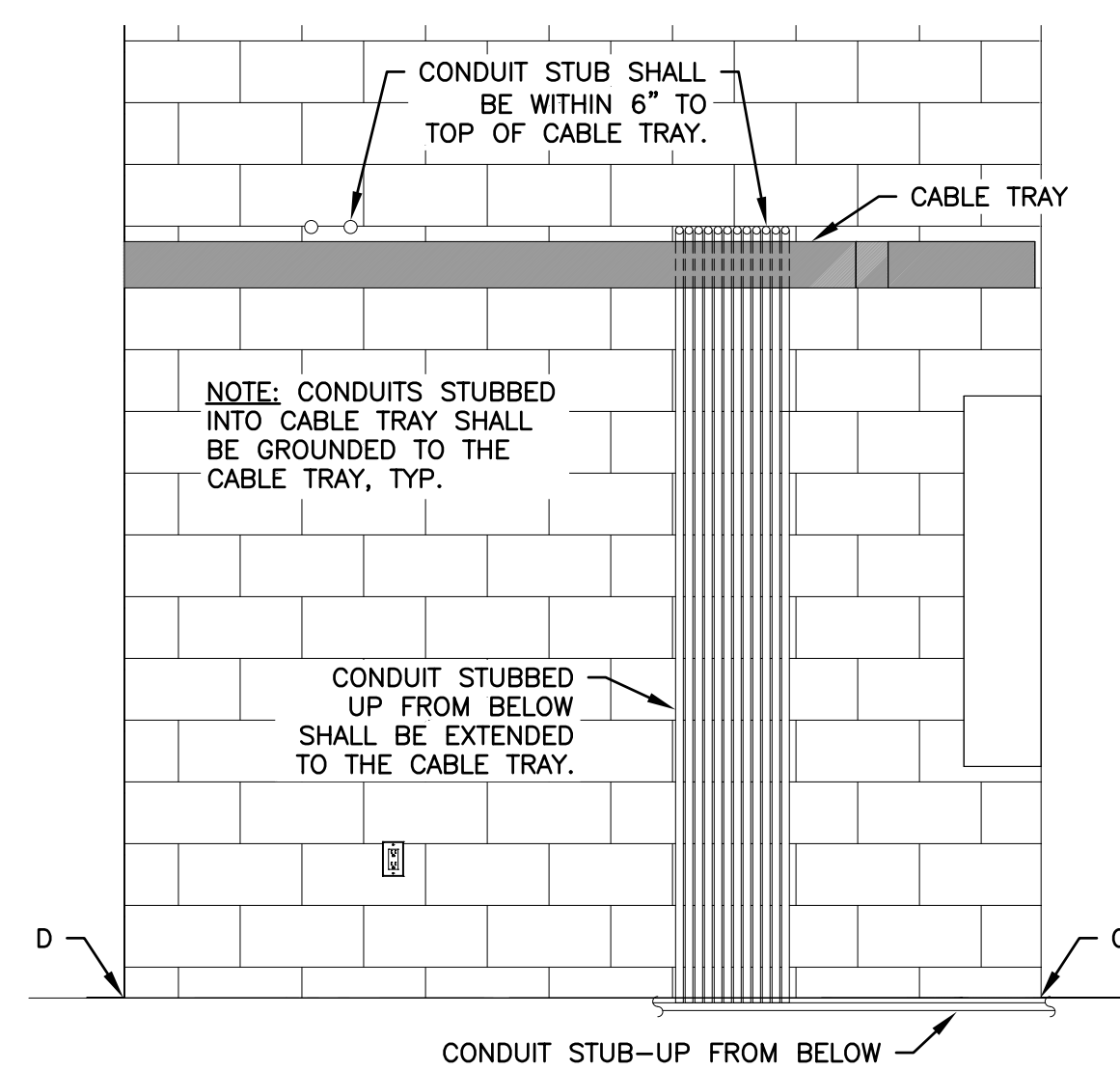
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**LOW VOLTAGE ROOM - RM 403  
WEST WALL ELEVATION SECTION B - C**

1

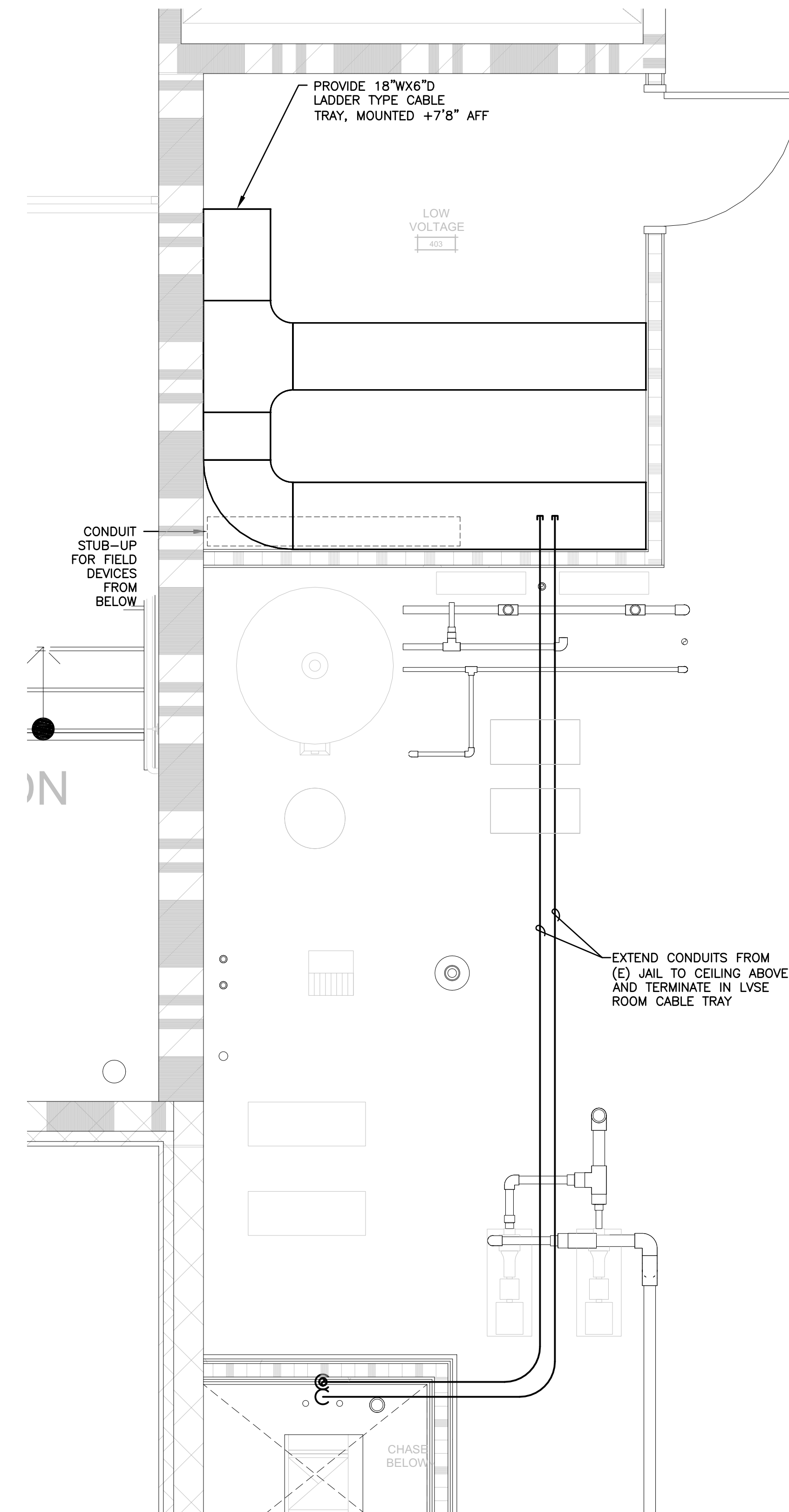
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**LOW VOLTAGE ROOM - RM 403  
SOUTH WALL ELEVATION SECTION C - D**

1

SCALE: 1/2" = 1'-0"



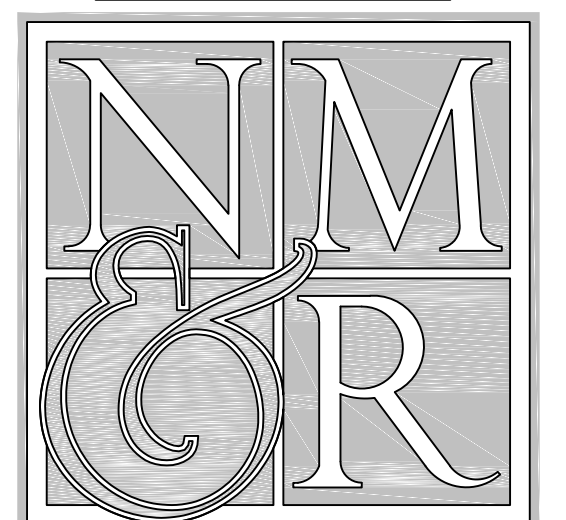
**LARGE SCALE FLOOR PLAN  
PENTHOUSE CONDUIT ROUTING**

2

SCALE: 1/2"=1'0"

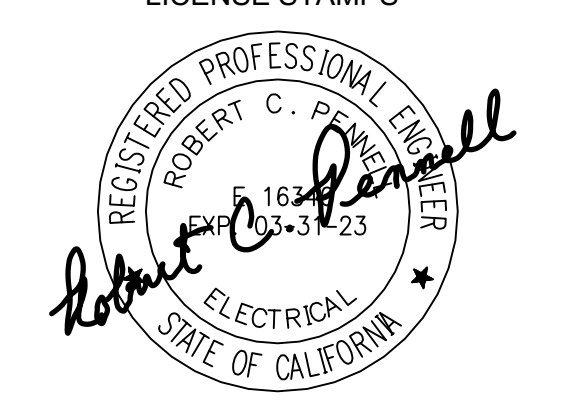


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LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**SECURITY ELECTRONICS -  
LARGE SCALE FLOOR  
PLANS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	1/2" = 1'-0"
Project No.	16-6421.00

SHEET No.  
**SE6.1 V4**

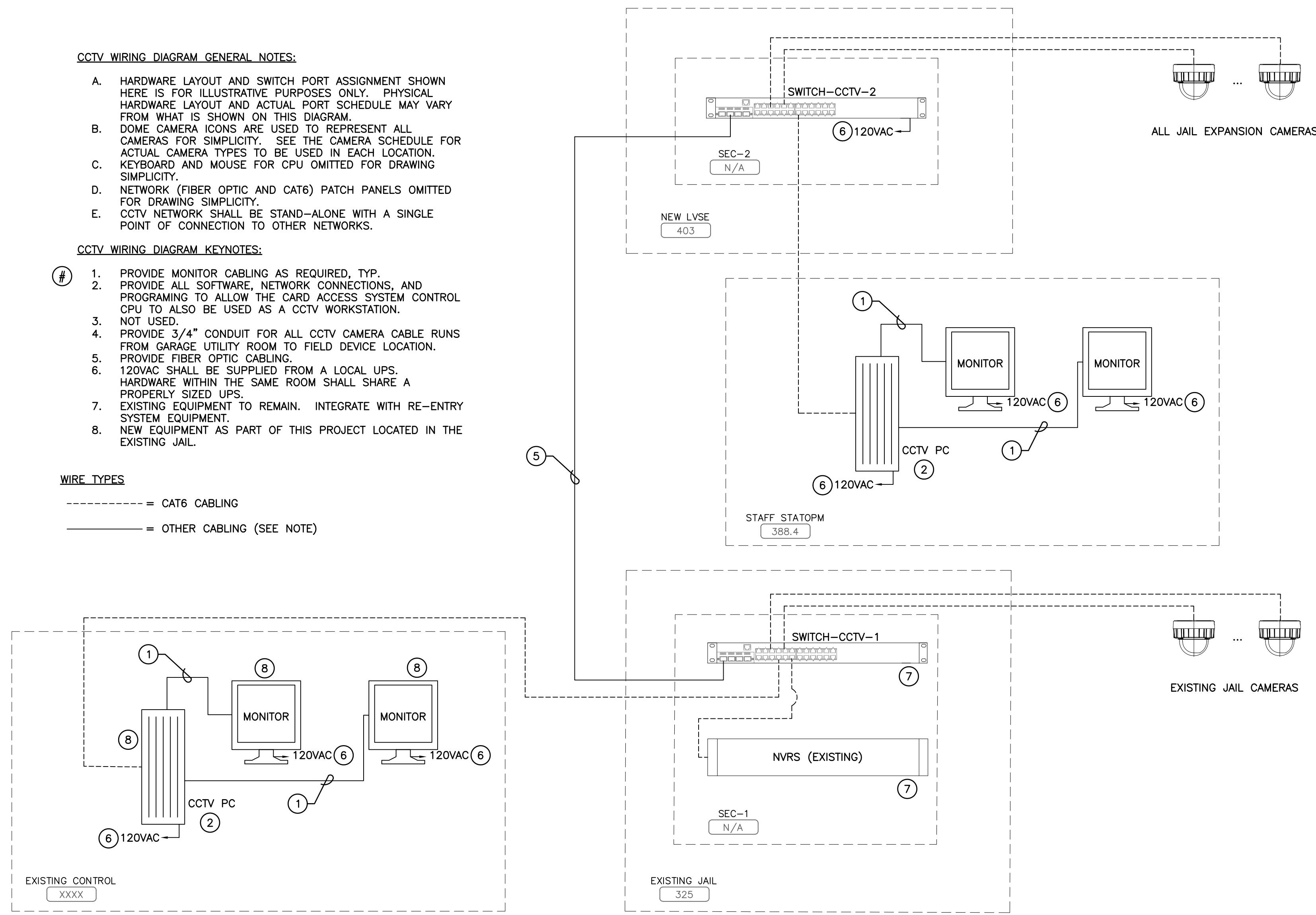
**CCTV WIRING DIAGRAM GENERAL NOTES:**

- A. HARDWARE LAYOUT AND SWITCH PORT ASSIGNMENT SHOWN HERE IS FOR ILLUSTRATIVE PURPOSES ONLY. PHYSICAL HARDWARE LAYOUT AND ACTUAL PORT SCHEDULE MAY VARY FROM WHAT IS SHOWN ON THIS DIAGRAM.
- B. DOME CAMERA ICONS ARE USED TO REPRESENT ALL CAMERAS FOR SIMPLICITY. SEE THE CAMERA SCHEDULE FOR ACTUAL CAMERA TYPES TO BE USED IN EACH LOCATION. KEYBOARD AND MOUSE FOR CPU OMITTED FOR DRAWING SIMPLICITY.
- C. NETWORK (FIBER OPTIC AND CAT6) PATCH PANELS OMITTED FOR DRAWING SIMPLICITY.
- D. CCTV NETWORK SHALL BE STAND-ALONE WITH A SINGLE POINT OF CONNECTION TO OTHER NETWORKS.

**CCTV WIRING DIAGRAM KEYNOTES:**

- 1. PROVIDE MONITOR CABLING AS REQUIRED. TYP.
- 2. PROVIDE ALL SOFTWARE, NETWORK CONNECTIONS, AND PROGRAMING TO ALLOW THE CARD ACCESS SYSTEM CONTROL CPU TO ALSO BE USED AS A CCTV WORKSTATION. NOT USED.
- 3. PROVIDE 3/4" CONDUIT FOR ALL CCTV CAMERA CABLE RUNS FROM GARAGE UTILITY ROOM TO FIELD DEVICE LOCATION.
- 4. PROVIDE FIBER OPTIC CABLING.
- 5. 120VAC SHALL BE SUPPLIED FROM A LOCAL UPS.
- 6. HARDWARE WITHIN THE SAME ROOM SHALL SHARE A PROPERLY SIZED UPS.
- 7. EXISTING EQUIPMENT TO REMAIN. INTEGRATE WITH RE-ENTRY SYSTEM EQUIPMENT.
- 8. NEW EQUIPMENT AS PART OF THIS PROJECT LOCATED IN THE EXISTING JAIL.

**WIRE TYPES**  
 - - - - - = CAT6 CABLING  
 \_\_\_\_\_ = OTHER CABLING (SEE NOTE)



**3** **CCTV WIRING DIAGRAM**  
 SCALE: NO SCALE XREF: x-cctv\_wiring\_diag.dwg

OFFICE OF THE STATE FIRE MARSHAL  
 APPROVED FIRE AND PANIC ONLY

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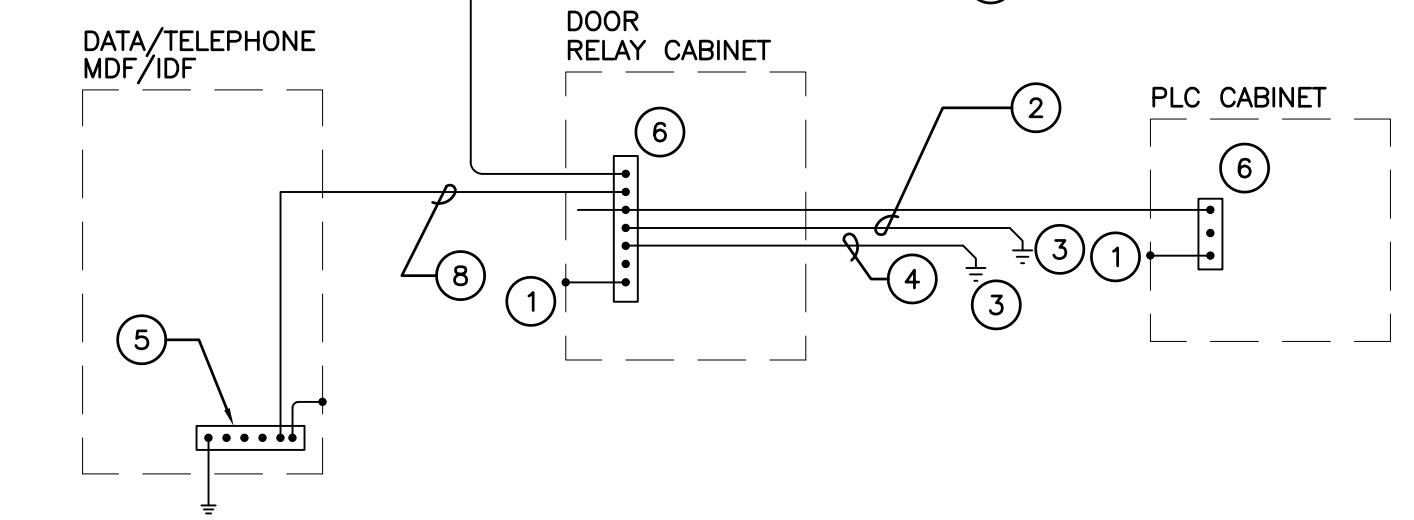
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ARCHITECT OF RECORD

**NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS**  
 CONSULTING ARCHITECT

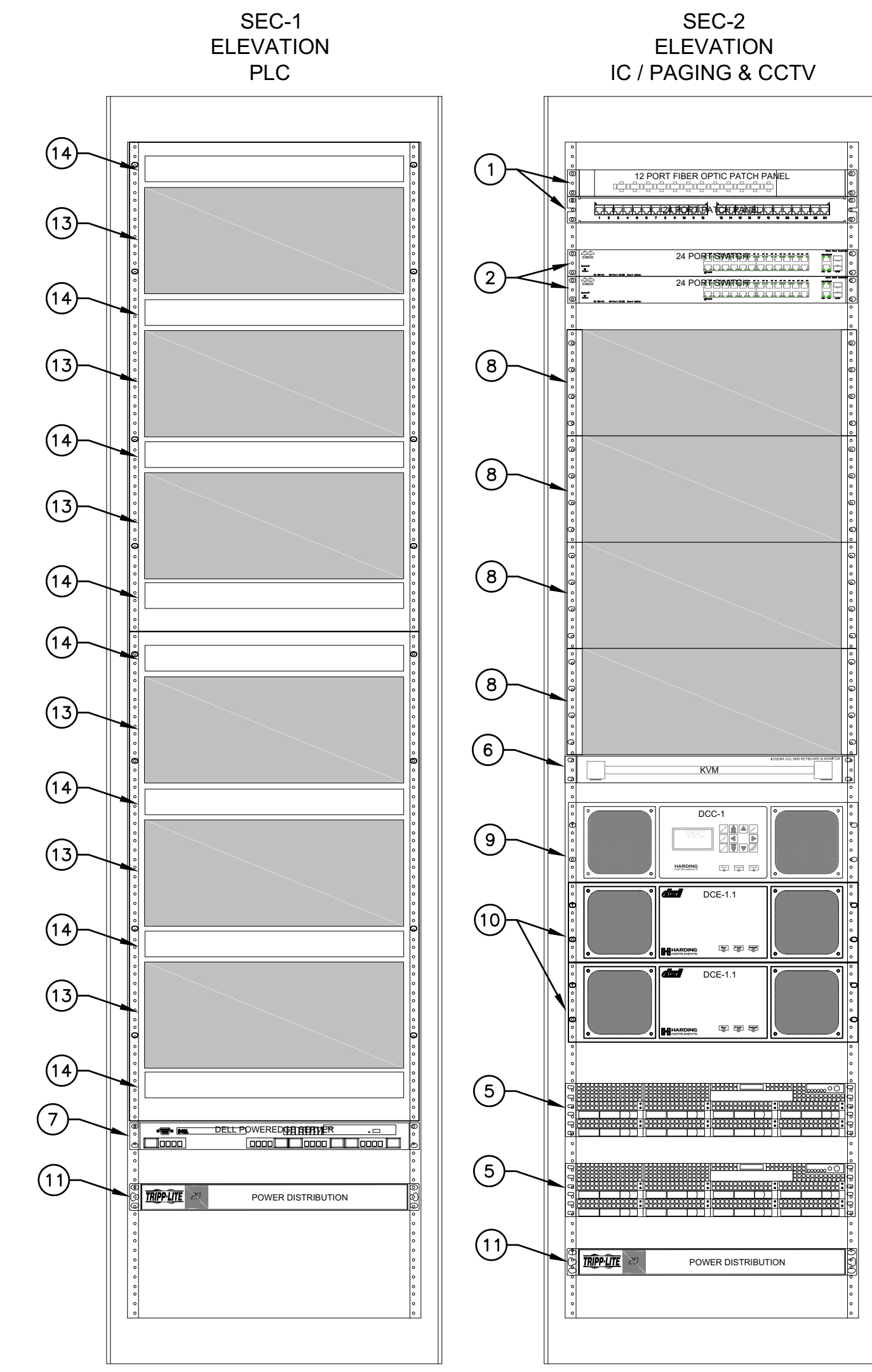
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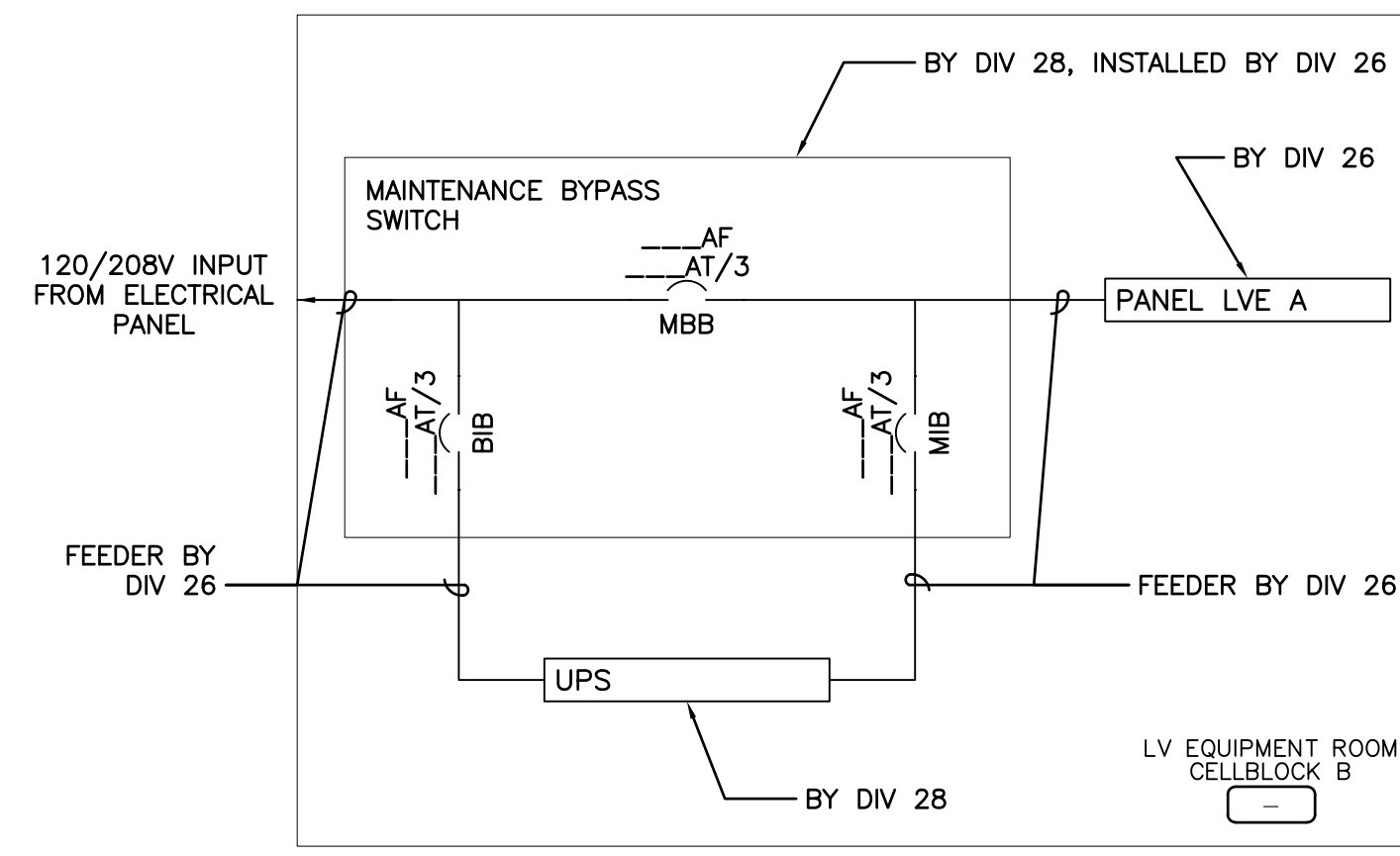
- KEYNOTES FOR GROUNDING DIAGRAM:**
- GROUND EQUIPMENT ENCLOSURE.
  - PROVIDE #12 AWG INSULATED GROUND CONDUCTOR TO EACH EXTERIOR DOOR THAT HAS ELECTRIFIED HARDWARE. TYPICAL.
  - PROVIDE EXOTHERMIC CONNECTION TO DOOR FRAME. TYPICAL.
  - PROVIDE #12 AWG INSULATED GROUND CONDUCTOR TO EACH SHOWER ROOM DOOR THAT HAS ELECTRIFIED HARDWARE. TYPICAL.
  - DATA/TELCO GROUND BUS, BY DIVISION 16.
  - PROVIDE GROUND BUS WITHIN EQUIPMENT ENCLOSURE.
  - PROVIDE #4 CONDUCTOR BETWEEN CABINETS. TYPICAL.
  - PROVIDE 1"-(1) #4.

**1** **GROUNDING LOW VOLT DIAGRAM**  
 SCALE: NO SCALE XREF:



- NOTES:**
- A. PROVIDE RACK FANS AS REQUIRED. ADEQUATE RACK COOLING SHALL BE THE RESPONSIBILITY OF THE SEC CONTRACTOR.
  - B. RECOMMENDED RACK LAYOUT SHOWN. FINAL RACK LAYOUT TO BE DETERMINED BY SEC CONTRACTOR.
  - C. PROVIDE FIBER PATCH CORDS FROM IT RACK TO SE EQUIPMENT RACKS.
  - D. PROVIDE CABLE MANAGEMENT BETWEEN ALL PATCH PANELS AND NETWORK SWITCHES.
- KEYNOTES:**
- NETWORK PATCH PANEL, FIBER OPTIC AND/OR COPPER, AS REQUIRED.
  - 24 OR 48 PORT POE SWITCH AS REQUIRED.
  - NOT USED.
  - NOT USED.
  - CCTV VIDEO STORAGE.
  - KVM.
  - DATA LOGGING SERVER.
  - HARDING QUICK CONNECT BOARDS AND INTERCOM FIELD WIRE TERMINATIONS.
  - HARDING DCC (32 CHANNEL).
  - HARDING DCE (32 CHANNEL).
  - POWER DISTRIBUTION.
  - PROVIDE POWER DISTRIBUTION PDU IN BACK OF RACK.
  - PLC, RELAYS, POWER SUPPLIES, AND FIELD WIRING TERMINATIONS.
  - SLOTTED CABLE DUCT.

**4** **SECURITY ELECTRONICS EQUIPMENT ROOM B403**  
 SCALE: NO SCALE XREF: x-equip\_room\_b403.dwg



- NOTE:**
- COORDINATE ALL INSTALLATION REQUIREMENTS WITH THE DIV 26 CONTRACTOR.
  - FEEDER TO THE MAINTENANCE BYPASS SWITCH SHALL BE CONNECTED TO A GENERATOR BACKED CIRCUIT.

**2** **DIV 26/DIV 28 UPS INTERFACE WIRING DIAGRAM**  
 SCALE: NO SCALE XREF: X-UPS

LICENSE STAMPS

PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SECURITY ELECTRONICS - ELEVATION VIEWS/ DIAGRAMS**

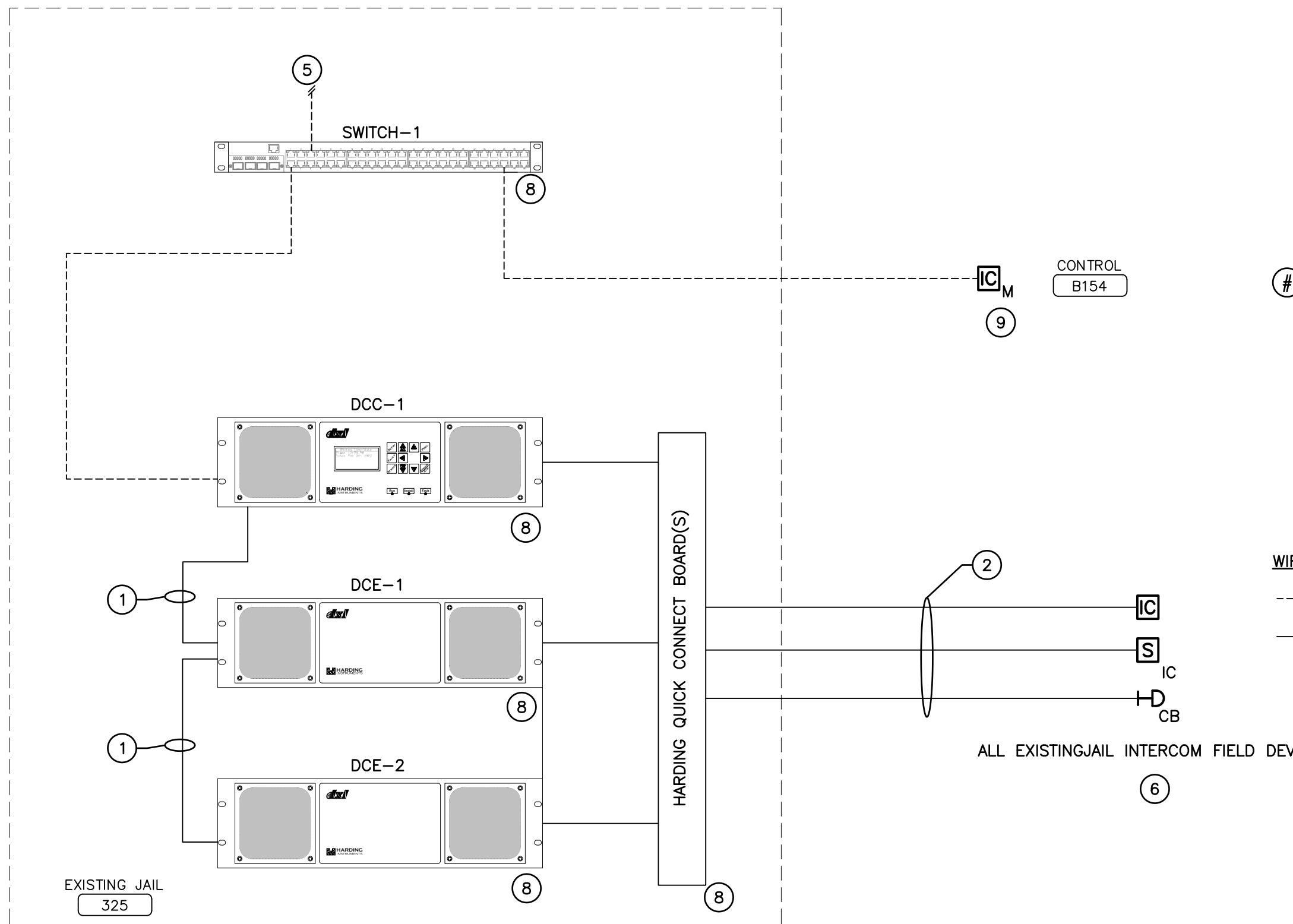
DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	N/A
Project No.	16-6421.00

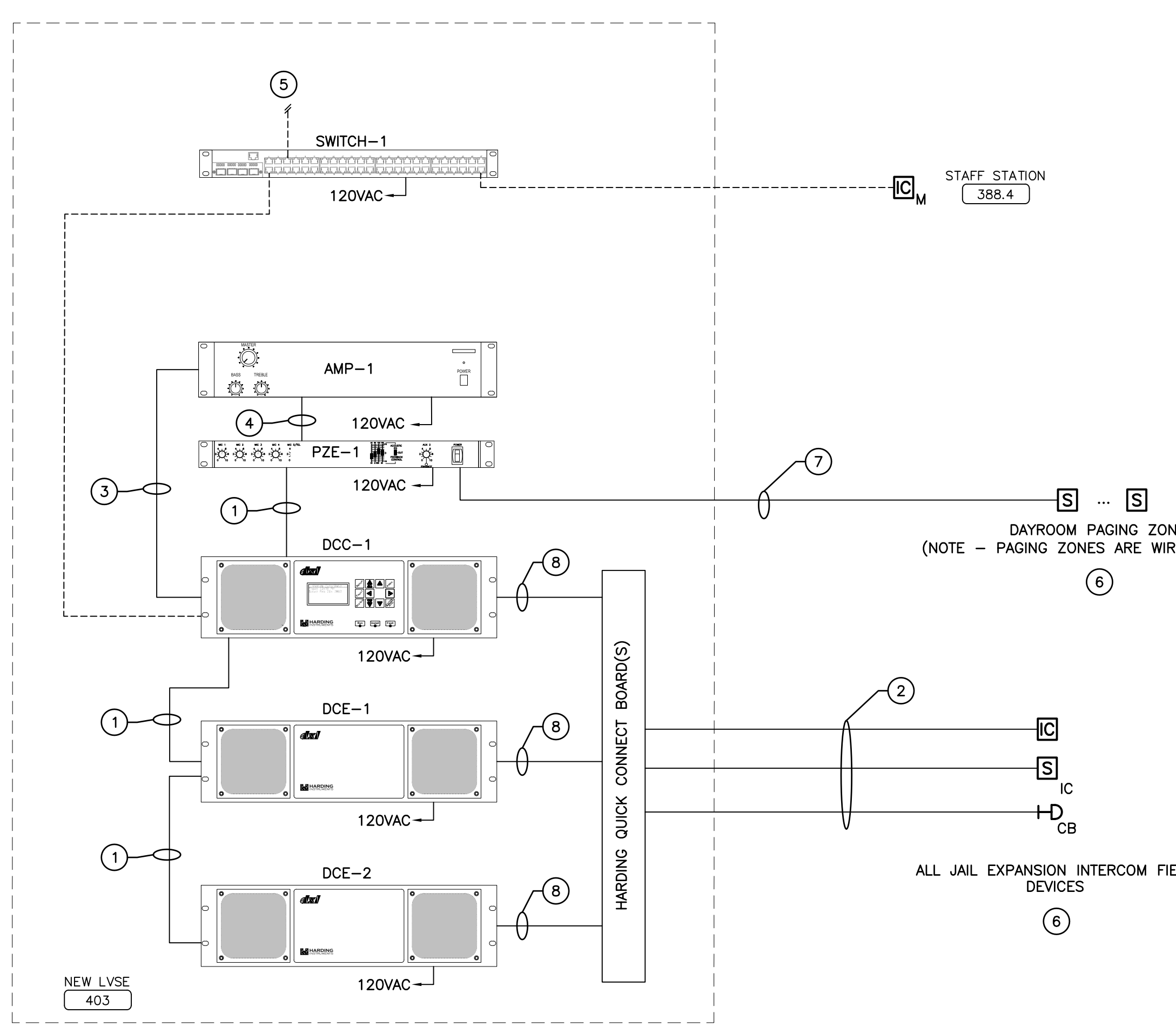
SHEET No.  
**SE8.1 V4**



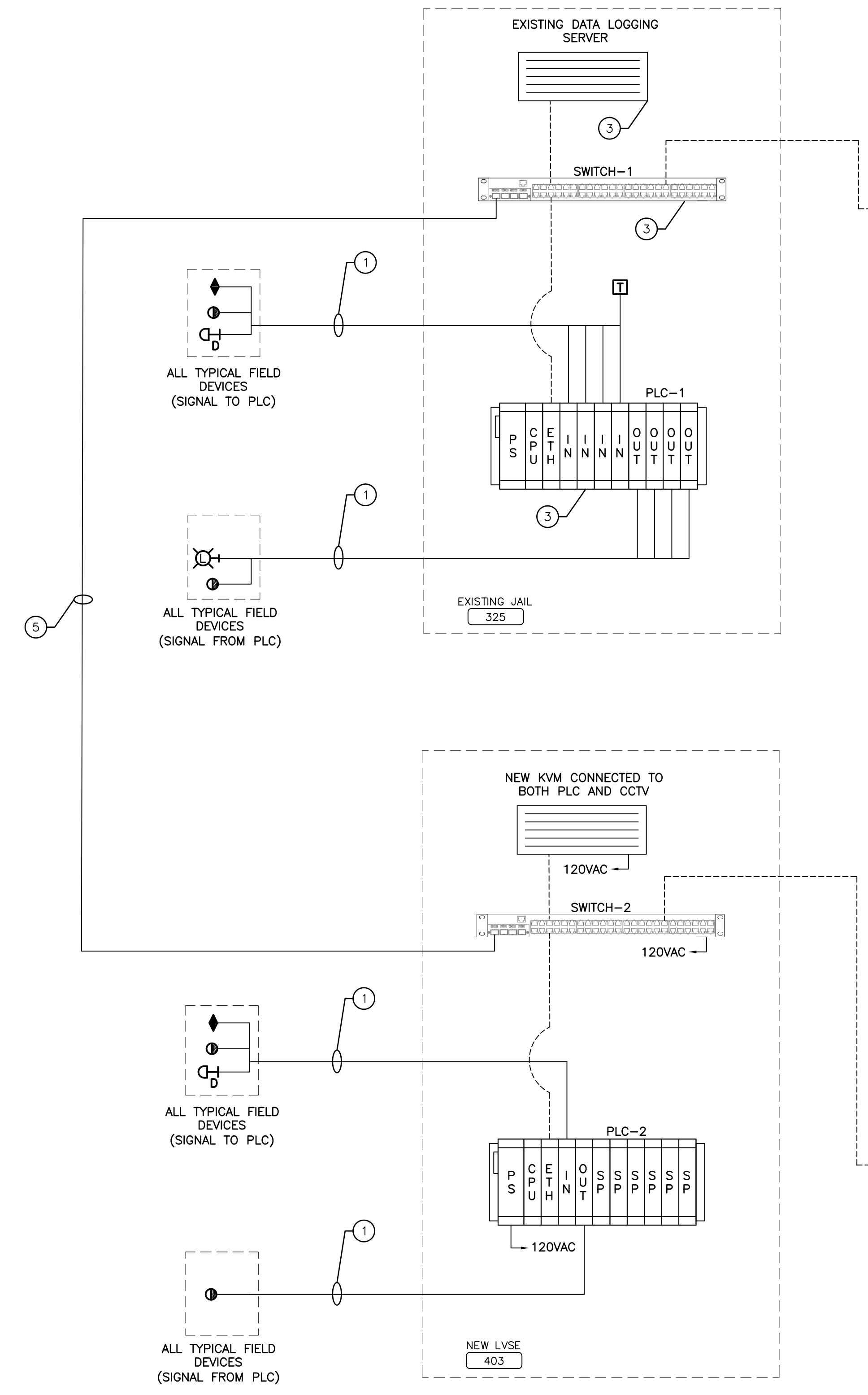
**INTERCOM AND PAGING WIRING DIAGRAM GENERAL NOTES:**  
 A. HARDWARE LAYOUT AND SWITCH PORT ASSIGNMENT SHOWN HERE IS FOR ILLUSTRATIVE PURPOSES ONLY. PHYSICAL HARDWARE LAYOUT AND ACTUAL PORT SCHEDULE MAY VARY FROM WHAT IS SHOWN ON THIS DIAGRAM.  
 B. 120VAC SYSTEM CONNECTIONS SHALL BE CONNECTED TO UPS, TYP.  
 C. COMBINE INTERCOM/PAGING NETWORK WITH PLC NETWORK.

**INTERCOM AND PAGING WIRING DIAGRAM KEYNOTES:**  
 1. PROVIDE USB CABLING, TYP.  
 2. PROVIDE INTERCOM STATION CABLING. SEE DEVICE RACEWAY, AND WIRE SCHEDULE FOR DETAILS, TYP.  
 3. PROVIDE RCA CABLING, TYP.  
 4. PROVIDE 2C#18 SHIELDED CABLING, TYP.  
 5. NETWORK CONNECTION TO PLC.  
 6. REFER TO HARDWARE SCHEDULES FOR FIELD DEVICE TERMINATION RACK ASSIGNMENTS.  
 7. HARDING QUICK CONNECT CABLES.  
 8. EXISTING EQUIPMENT TO REMAIN. INTEGRATE WITH RE-ENTRY SYSTEM EQUIPMENT.  
 9. NEW EQUIPMENT AS PART OF THIS PROJECT LOCATED IN THE EXISTING JAIL.

**WIRE TYPES**  
 - - - - - = CAT6 CABLING  
 ———— = OTHER CABLING (SEE NOTE)



**2 IC PAGING WIRING DIAGRAM**  
 SCALE: NO SCALE  
 XREF: x-ic\_paging\_wiring\_diag.dwg



**HMI AND PLC WIRING DIAGRAM GENERAL NOTES:**  
 A. HARDWARE LAYOUT AND SWITCH PORT ASSIGNMENT SHOWN HERE IS FOR ILLUSTRATIVE PURPOSES ONLY. PHYSICAL HARDWARE LAYOUT AND ACTUAL PORT SCHEDULE MAY VARY FROM WHAT IS SHOWN ON THIS DIAGRAM.  
 B. DEVICE HOMERUNS SHOWN HAVE BEEN COMBINED FOR DRAWING SIMPLICITY.  
 C. 120VAC SYSTEM CONNECTIONS SHALL BE CONNECTED TO UPS, TYP.  
 D. ANY REQUIRED EQUIPMENT POWER SOURCE(S) AND BUS(ES) HAVE BEEN OMITTED FOR DRAWING SIMPLICITY.  
 E. COMBINE PLC NETWORK WITH INTERCOM/PAGING AND ACS NETWORK WITH VLAN FOR EACH SYSTEM.

**HMI AND PLC WIRING DIAGRAM KEYNOTES:**  
 1. PROVIDE DEVICE CABLING. INDIVIDUAL DEVICE CABLING VARIES. REFERENCE THE DEVICE, RACEWAY, AND WIRE SCHEDULE FOR DEVICE CABLING DETAILS.  
 2. PROVIDE MONITOR CABLING AS REQUIRED, TYP.  
 3. EXISTING EQUIPMENT TO REMAIN. INTEGRATE WITH RE-ENTRY SYSTEM EQUIPMENT.  
 4. NEW EQUIPMENT AS PART OF THIS PROJECT LOCATED IN THE EXISTING JAIL.  
 5. PROVIDE FIBER OPTIC CABLING.

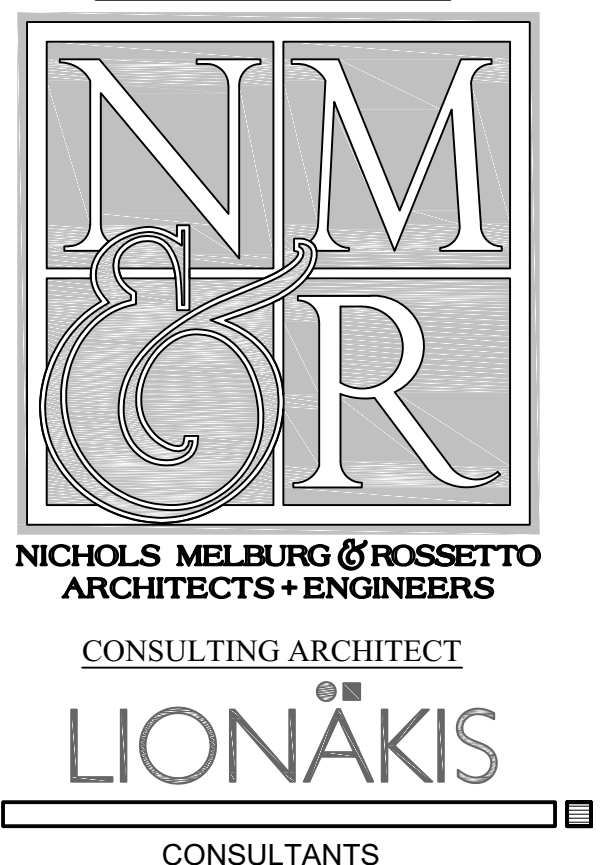
**HMI AND PLC WIRING DIAGRAM ABBREVIATIONS:**  
 CPU - CENTRAL PROCESSING UNIT  
 ETH - ETHERNET COMMUNICATIONS MODULE  
 IN - INPUT MODULE  
 OUT - OUTPUT MODULE  
 PS - POWER SUPPLY MODULE  
 SP - SPARE

**WIRE TYPES**  
 - - - - - = CAT6 CABLING  
 ———— = OTHER CABLING (SEE NOTE)

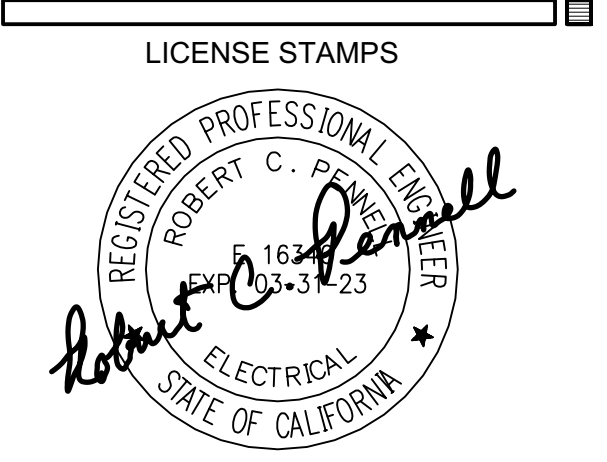
**1 TOUCHSCREEN PLC WIRING DIAGRAM**  
 SCALE: NO SCALE  
 XREF: x-ta\_plc\_wiring\_diag.dwg



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SECURITY ELECTRONICS - SYSTEM NARRATIVES/ DIAGRAMS**

DRAWING STATUS  
**WORKING DRAWINGS**

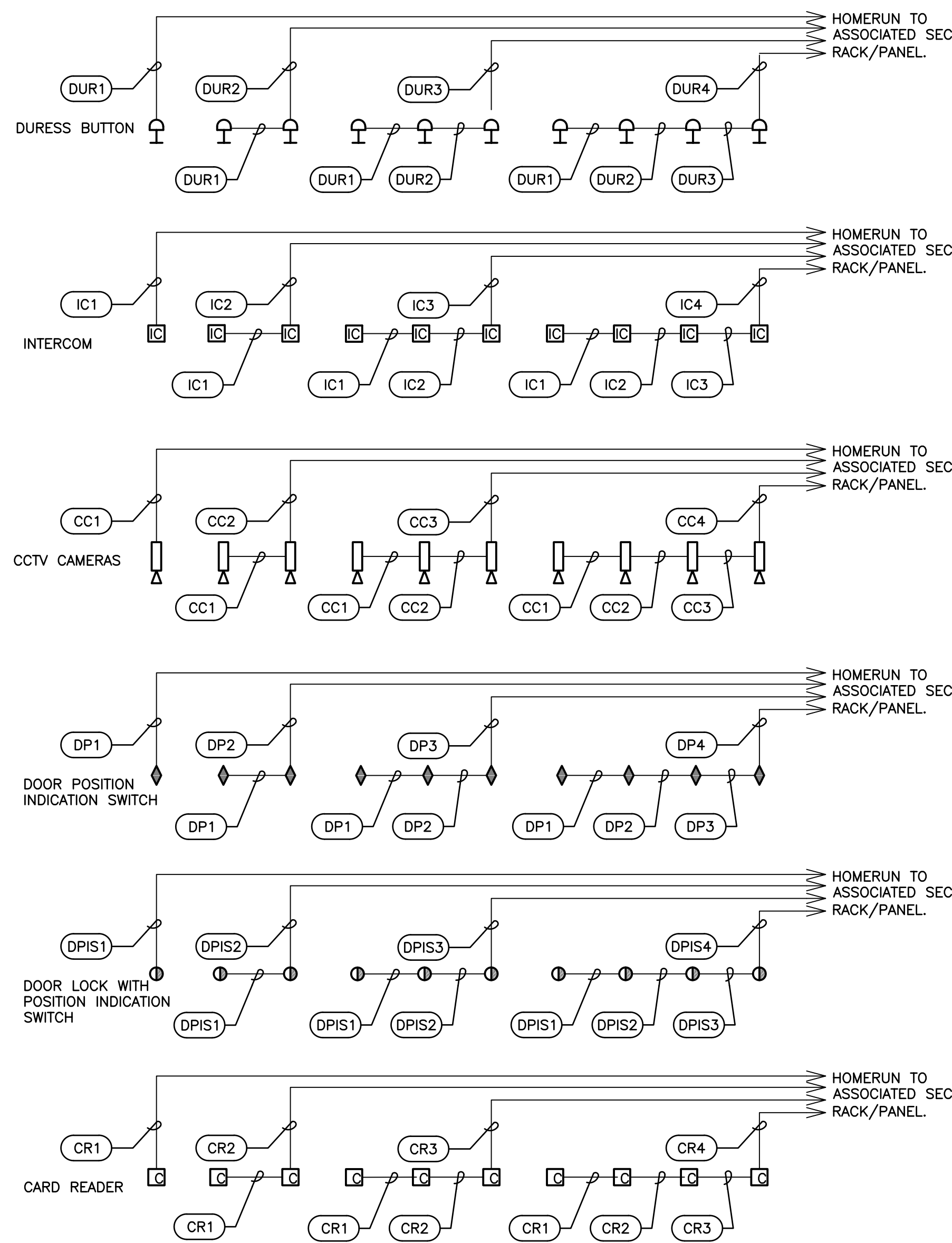
REVISIONS

Delta	Description	Date

Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	N/A
Project No.	16-6421.00

SHEET No.  
**SE8.2 V4**

- NOTES:**
- A. REFERENCE DEVICE, RACEWAY, AND WIRE SCHEDULE FOR CABLE/CONDUIT IDENTIFIER DETAILS.
  - B. HOMERUN DETAIL IS TYPICAL FOR DPIS, DOOR LOCKS, CARD READERS, INTERCOM STATIONS, PAGING SPEAKERS, INDICATION LIGHTS, ETC.
  - C. NO MORE THAN 4 DEVICES MAY BE COMBINED IN A HOMERUN.



**FIELD DEVICE HOMERUNS (TYP.)**

SCALE: NO SCALE XREF: x--lvse\_device\_homeruns.dwg

**WIRE TYPES**

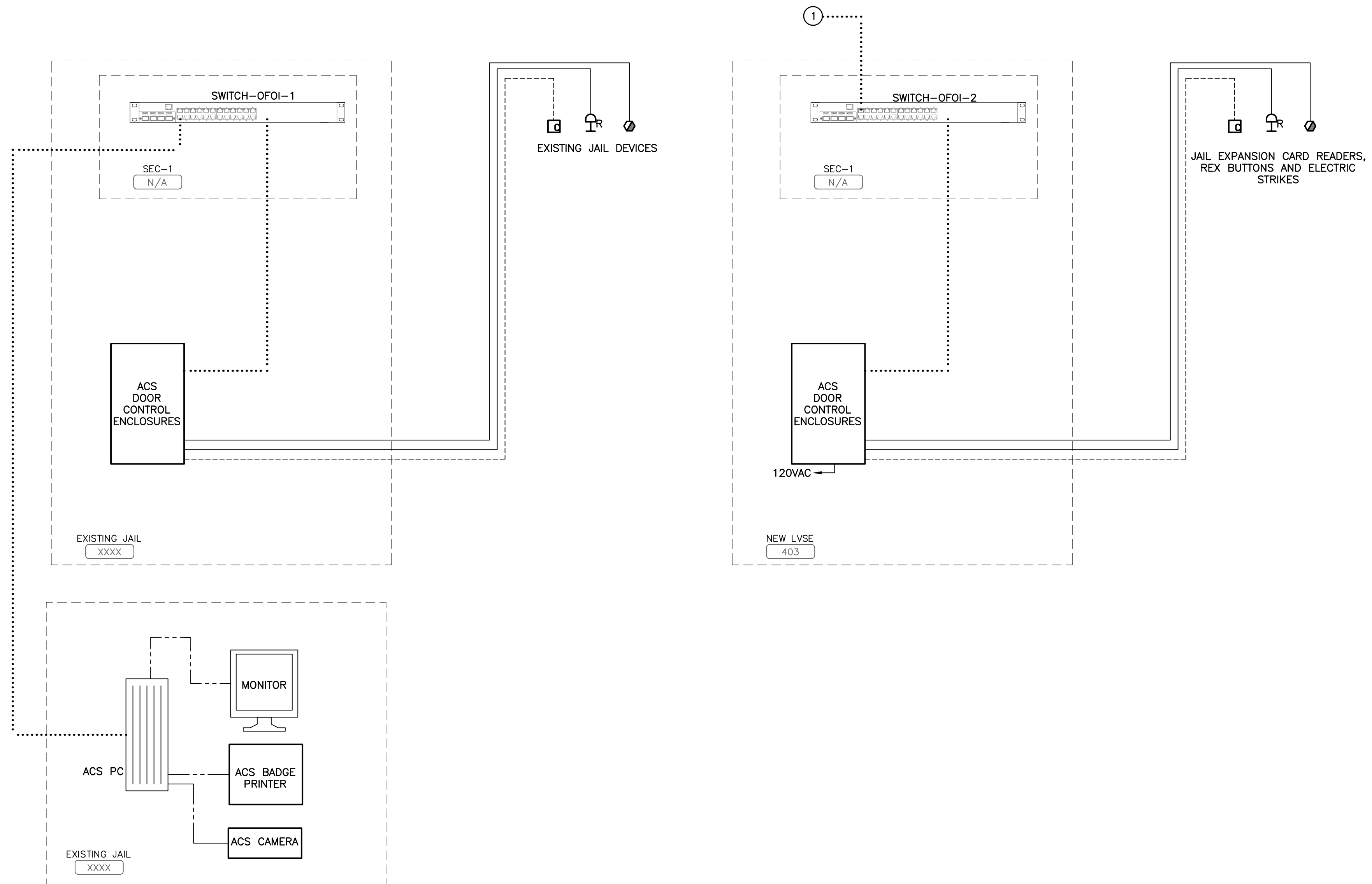
- = CARD READER CABLING
- = ELECTRIC STRIKE CABLING
- = CAT6 CABLING
- = FIBER OPTIC CABLING
- = MONITOR CABLING

**ACS WIRING DIAGRAM GENERAL NOTES:**

- A. HARDWARE LAYOUT AND SWITCH PORT ASSIGNMENT SHOWN HERE IS FOR ILLUSTRATIVE PURPOSES ONLY. PHYSICAL HARDWARE LAYOUT AND ACTUAL PORT SCHEDULE MAY VARY FROM WHAT IS SHOWN ON THIS DIAGRAM.
- B. 120VAC SYSTEM CONNECTIONS SHALL BE CONNECTED TO UPS BACKED CIRCUITS WHENEVER AVAILABLE, TYP.
- C. KEYBOARD AND MOUSE FOR CPU OMITTED FOR DRAWING SIMPLICITY.
- D. NETWORK (FIBER OPTIC AND CAT6) PATCH PANELS OMITTED FOR DRAWING SIMPLICITY.
- E. EXISTING ACS NETWORK RESIDES ON COUNTY NETWORK VLAN.
- F. COUNTY TO PROVIDE SWITCH AND VLAN CONFIGURATION IN JAIL EXPANSION LVSE ROOM TO CONNECT NEW ACS PANEL TO EXISTING ACS SYSTEM.
- G. FIBER OPTIC INTERCONNECT BETWEEN BUILDINGS BY OTHERS.

**ACS WIRING DIAGRAM KEYNOTES:**

1. OFOI SWITCH CONNECTED TO EXISTING COUNTY NETWORK VIA FIBER BY OTHERS.

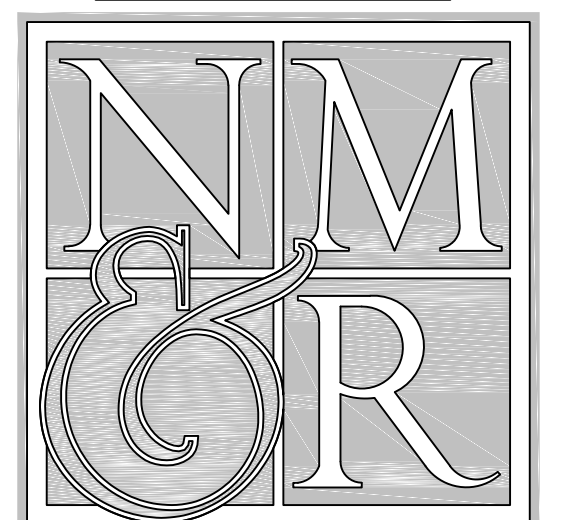


**ACCESS CONTROL SYSTEM WIRING DIAGRAM**

SCALE: NO SCALE XREF: x--acs\_wiring\_dwg



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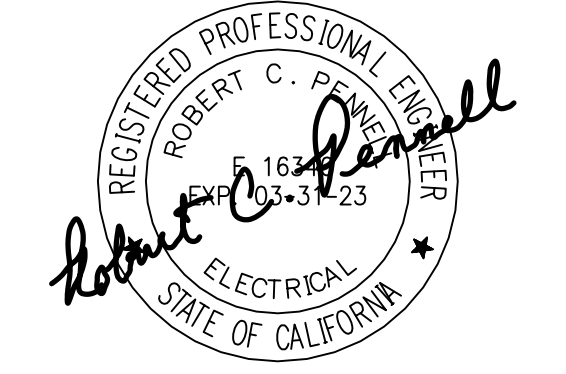
**NICHOLS MELBURG & ROSSETTO ARCHITECTS + ENGINEERS**

CONSULTING ARCHITECT  
**LIONAKIS**

CONSULTANTS

**PCI** Pennell Consulting, Inc.  
 Electrical and Electronics System Design  
 400 S. Jefferson, Suite 301  
 Spokane, WA 99204  
 (T) 509.747.1888 (F) 509.747.1872

LICENSE STAMPS



PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SECURITY ELECTRONICS - SYSTEM NARRATIVES/ DIAGRAMS**

DRAWING STATUS

**WORKING DRAWINGS**

**REVISIONS**

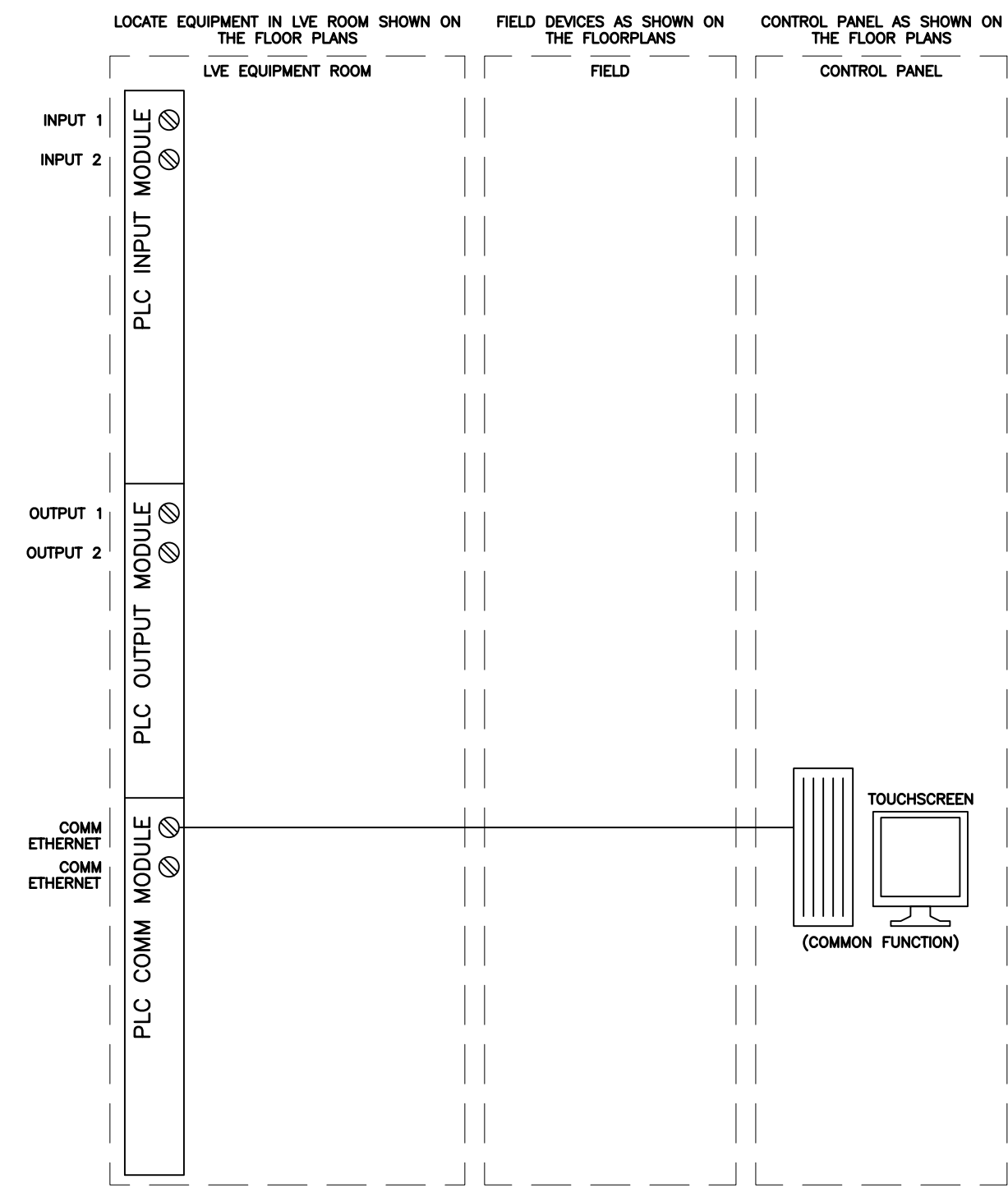
Delta	Description	Date

Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	N/A
Project No.	16-6421.00

SHEET No.  
**SE8.3 V4**

**SYSTEM OPERATION:**

DEPRESSING THE CONTROL TRANSFER ICON SHALL TRANSFER ALL OF THE REMOTE TOUCHSCREEN PANEL CONTROLS TO THE LOCAL TOUCHSCREEN CONTROL PANEL. THE LOCAL ICON SHALL TURN ON AND THE REMOTE ICON SHALL TURN OFF AND REMAIN OFF AS LONG AS THE CONTROL HAS BEEN TRANSFERRED. WHEN THE CONTROL TRANSFER ICON IS DEPRECATED AGAIN, THE LOCAL ICON SHALL TURN OFF, THE REMOTE ICON SHALL TURN ON, AND ALL OF THE REMOTE TOUCHSCREEN PANEL CONTROLS SHALL BE RESTORED TO THE REMOTE PANEL.



### SYSTEM A10 CONTROL PANEL TRANSFER

3

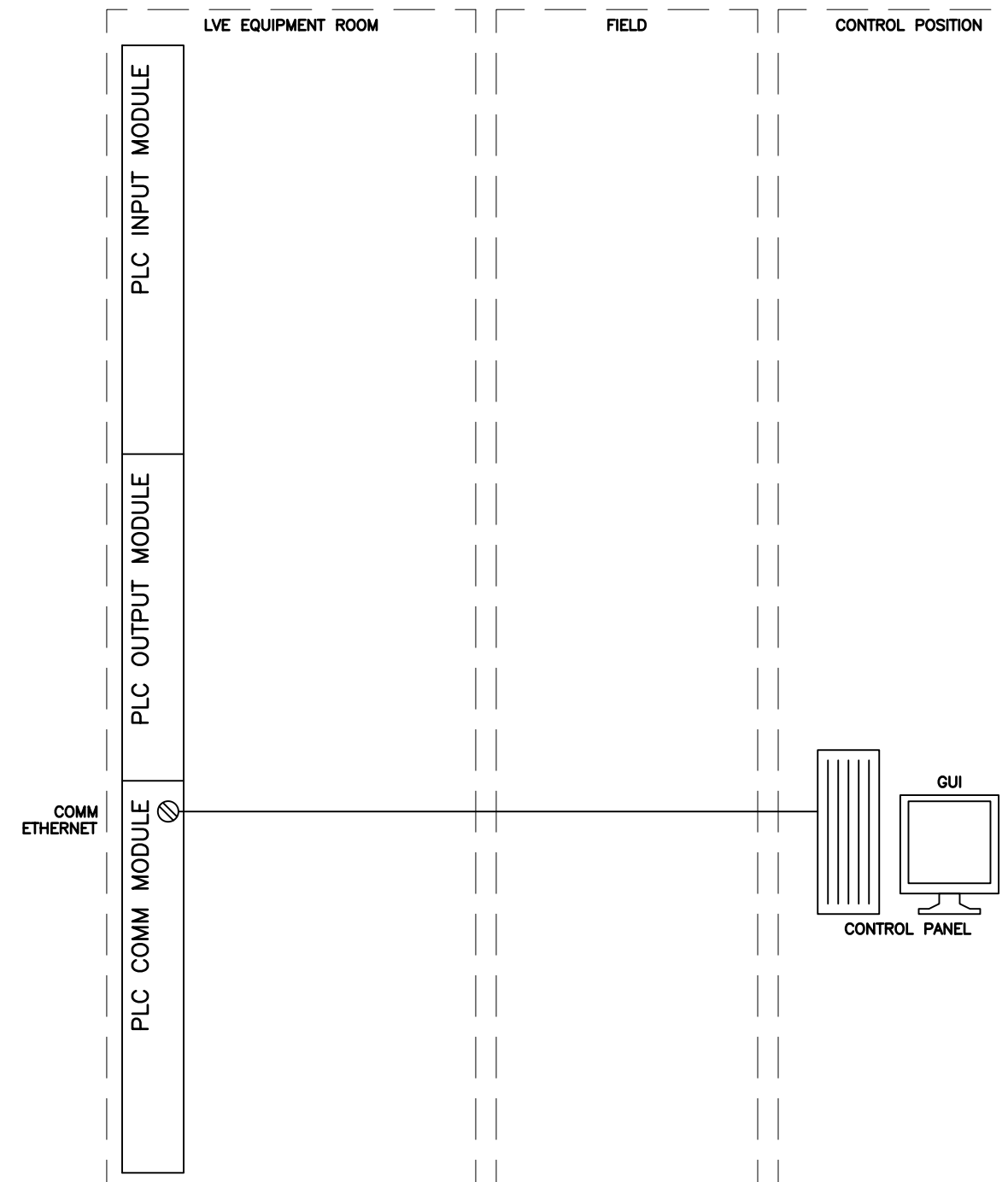
SCALE: NO SCALE

XREF: A10

**SYSTEM OPERATION:**

DEPRESSING THE SILENCE ALARM ICON WILL SILENCE ANY ALARM TONE ASSOCIATED WITH THE PANEL, AND TURN ANY FLASHING ICON ASSOCIATED WITH THE ALARM TO CONTINUOUSLY ON. IF ANOTHER ALARM IS REPORTED AFTER THE INITIAL ALARM IS SILENCED, THE TONE WILL SOUND AND THE ALARM ICON WILL START FLASHING.

DEPRESSING THE RESET ALARM ICON RESETS ALL ALARMS ASSOCIATED WITH THE PANEL THAT HAVE BEEN SILENCED. IF THE ALARM REMAINS AFTER THE RESET ALARM ICON HAS BEEN DEPRECATED, THE ALARM TONE WILL SOUND AND THE ALARM ICON WILL START FLASHING. ALARMS THAT HAVE NOT BEEN SILENCED WITH THE SILENCE ALARM ICON WILL REMAIN.



### SYSTEM A4 ALARM SILENCE AND RESET

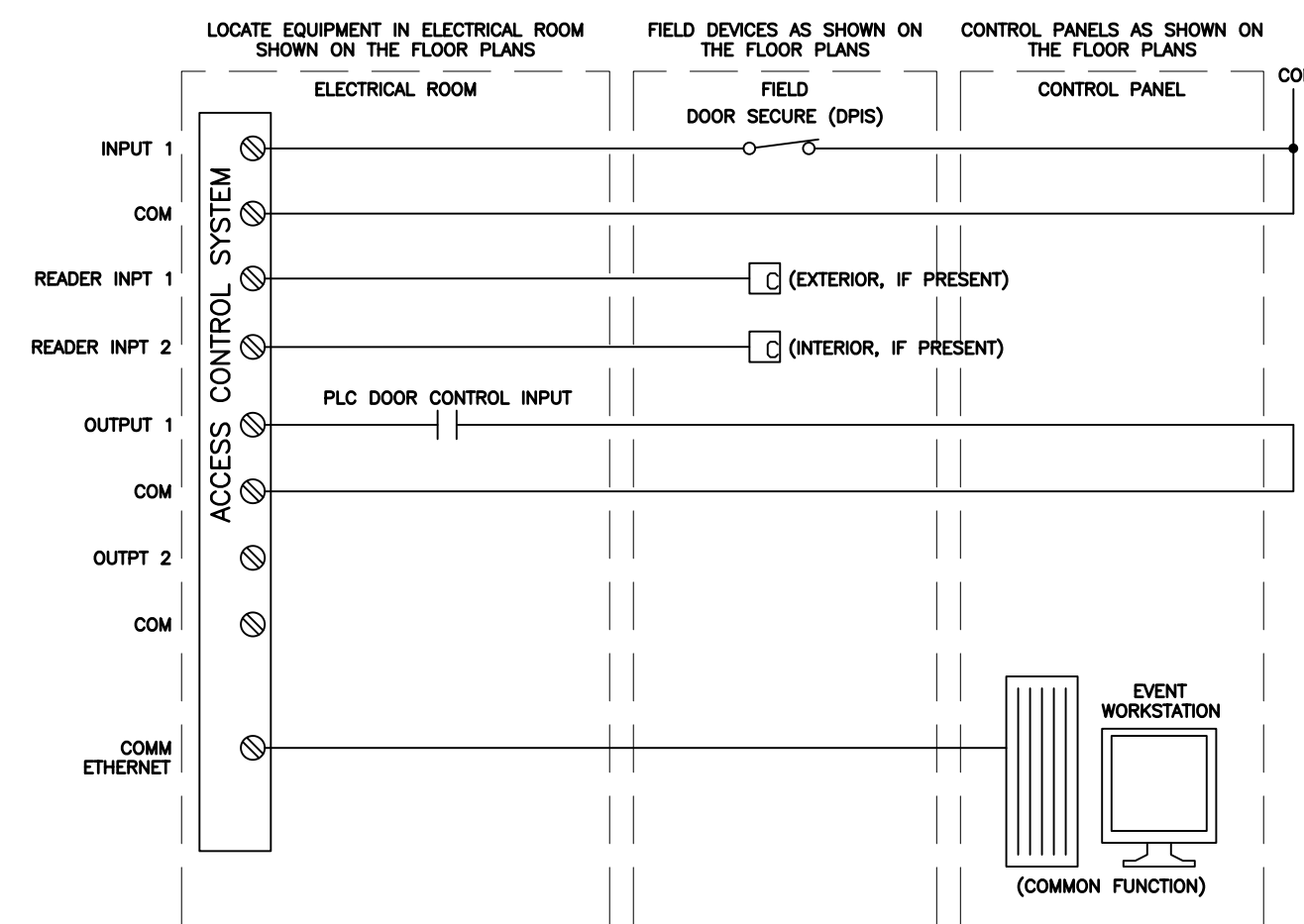
1

SCALE: NO SCALE

XREF: B1

**SEQUENCE OF OPERATIONS:**

1. THE DOOR OPERATOR IS ENABLED AND THE OPEN DOOR SOLENOID OPENS IF AN AUTHORIZED CARD IS READ BY THE ASSOCIATED CARD READER. UPON DEPRESSING THE AUTOMATIC DOOR PADDLE, THE DOOR SHALL BE ACTIVATED AND THE ENTRY SHALL BE RECORDED ON THE SYSTEM EVENT LOG.
2. IN THE PATH OF EGRESS, THE DOOR OPERATOR IS ENABLED AND THE OPEN DOOR SOLENOID OPENS IF AN AUTHORIZED CARD IS READ BY THE ASSOCIATED CARD READER. UPON DEPRESSING THE AUTOMATIC DOOR PADDLE, THE DOOR SHALL BE ACTIVATED AND THE ENTRY SHALL BE RECORDED ON THE SYSTEM EVENT LOG.
3. IF THE DOOR BECOMES UNSECURE AN ALARM EVENT IS RECORDED AND AN ALARM IS SOUNDED FOR 15 MINUTES ON THE EVENT WORKSTATION. IF THE DOOR IS RE-SECURED, THE ALARM SHALL REMAIN ON THE SYSTEM UNTIL RESET AT THE WORKSTATION. DURING NORMAL BUSINESS HOURS, THE SYSTEM IS INACTIVE.



### SYSTEM AC2 SWING MOVEMENT DOOR WITH ACCESS CONTROL

4

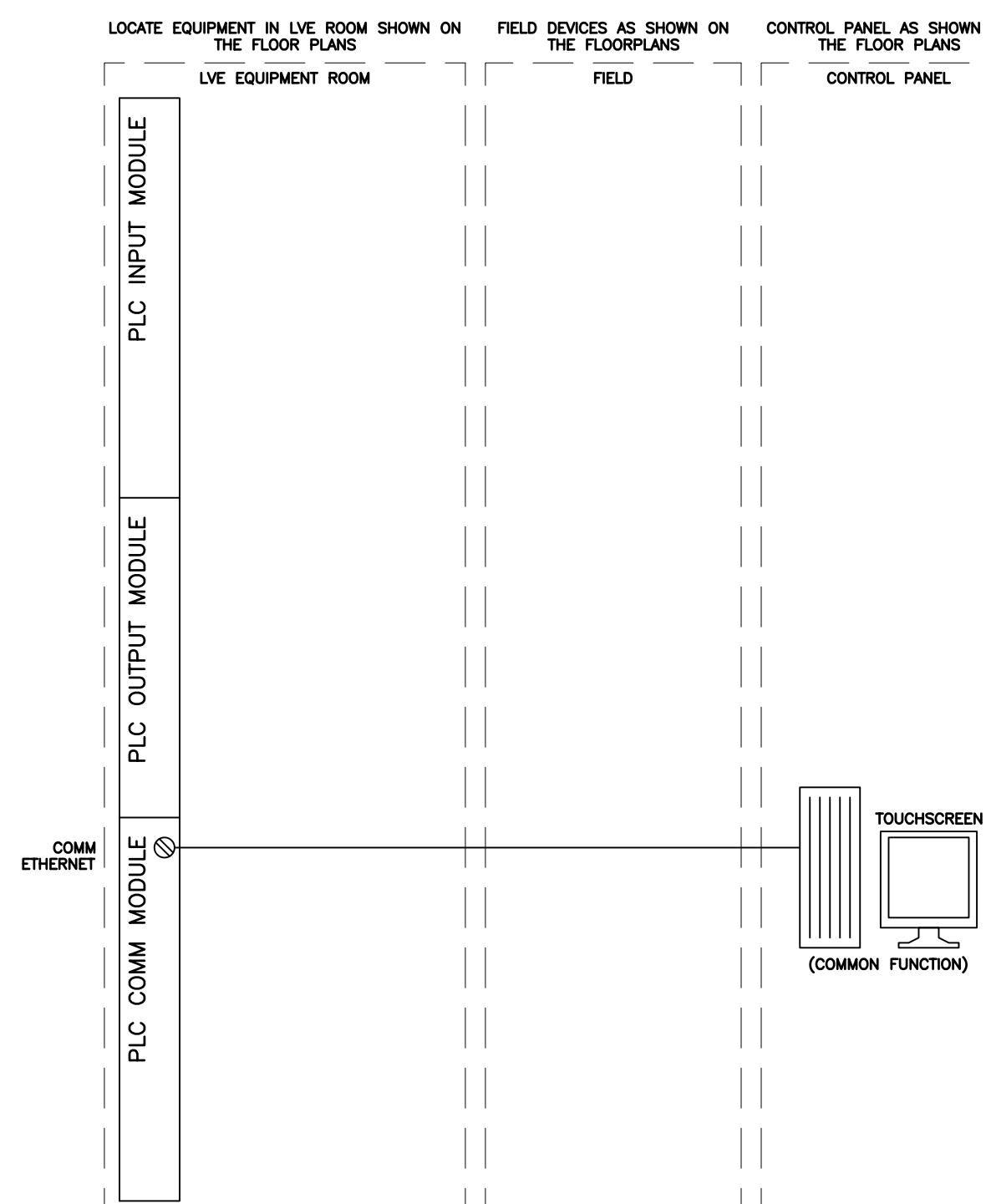
SCALE: NO SCALE

XREF: System AC2 Exterior Door.dwg

**SYSTEM OPERATION:**

TO OVERRIDE A SERIES OF INTERLOCKED DOORS, THE OPERATOR DEPRESS THE OVERRIDE ICON ON THE CONTROL PANEL (TOUCHSCREEN). THE OVERRIDE ICON SHALL FLASH AND A TONE SHALL SOUND. DEPRESSING THE OVERRIDE ICON A SECOND TIME SHALL RETURN THE SERIES OF DOORS TO THE INTERLOCKED CONDITION, TURN THE OVERRIDE ICON SOLID AND SILENCE THE TONE.

THE SILENCE ALARM SWITCH AND RESET SWITCH SHALL NOT SILENCE OR RESET THIS ALARM.



### SYSTEM A5 INTERLOCK OVERRIDE

2

SCALE: NO SCALE

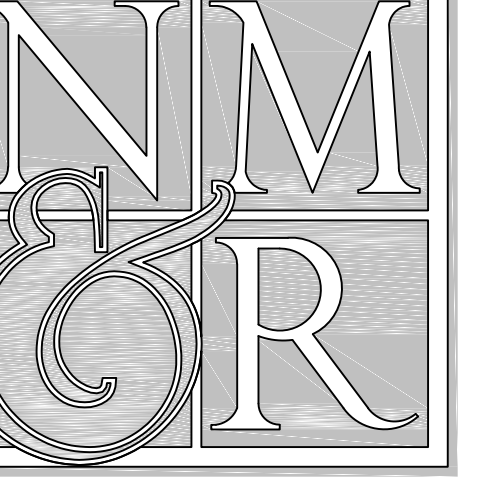
XREF:

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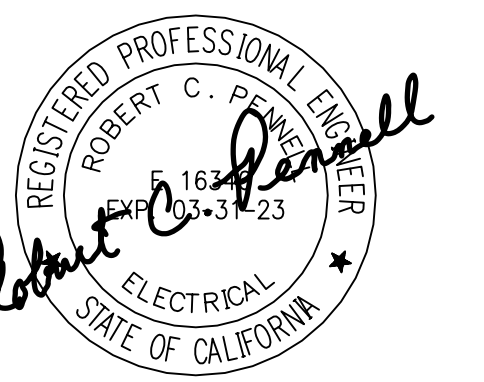
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LIONAKIS

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LICENSE STAMPS



PROJECT NAME

HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE

SECURITY ELECTRONICS -  
SYSTEM NARRATIVES/  
DIAGRAMS

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WORKING DRAWINGS

REVISIONS

Delta	Description	Date

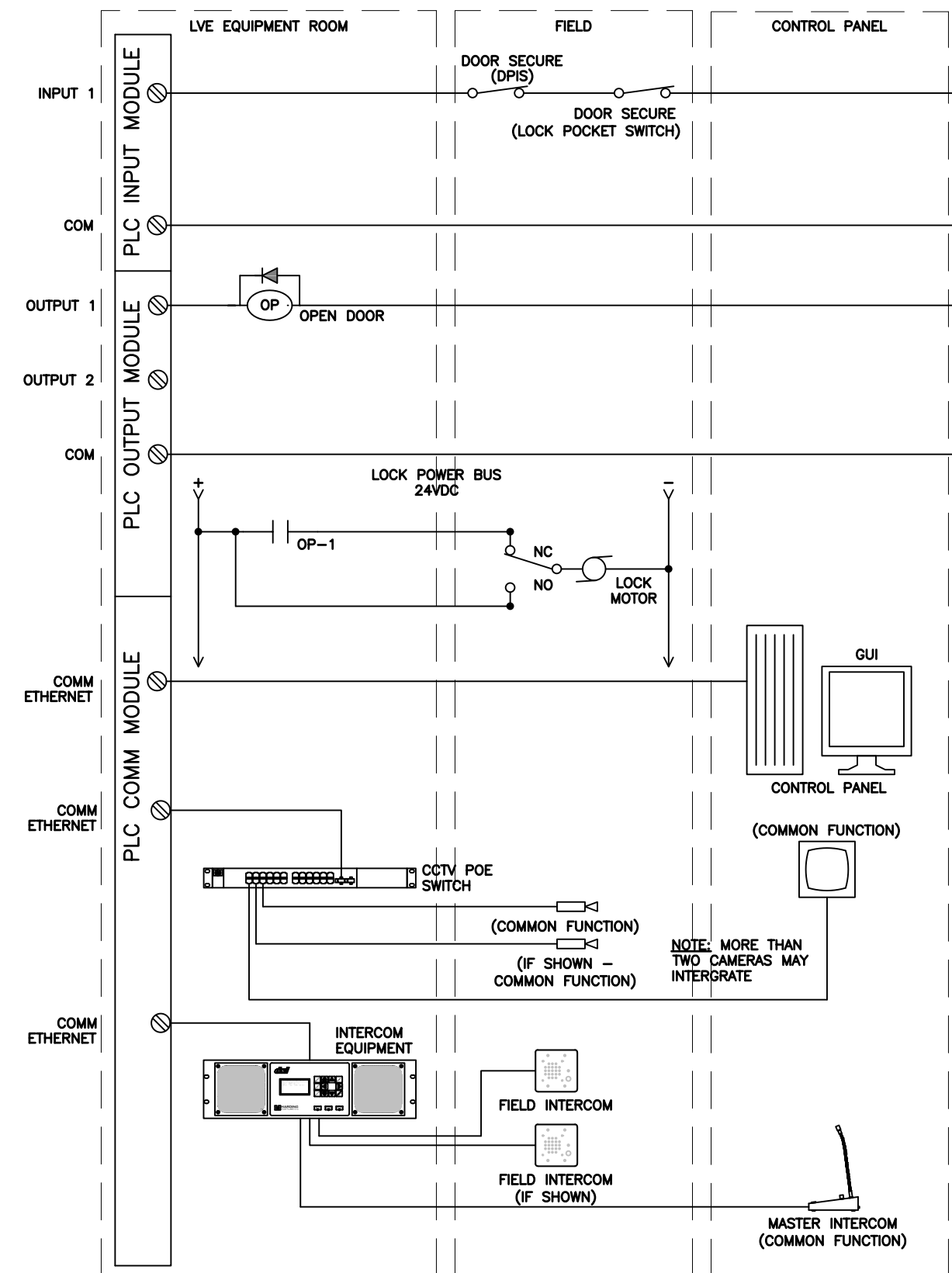
Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	N/A
Project No.	16-6421.00

SHEET No.

SE8.4 V4

**SYSTEM OPERATION:**

THE DOOR SHALL BE UNLOCKED BY DEPRESSING THE DOOR CONTROL ICON. IF THE DOOR IS INTERLOCKED WITH OTHER DOORS, IT SHALL UNLOCK ONLY IF THE OTHER INTERLOCKED DOORS ARE CLOSED. THE DOOR CLOSED ICON SHALL TURN OFF AND THE DOOR OPEN ICON SHALL TURN ON AND REMAIN ON AS LONG AS THE DOOR IS OPEN. WHEN THE DOOR IS AGAIN SECURE, THE DOOR OPEN ICON SHALL TURN OFF AND THE DOOR CLOSED ICON SHALL TURN ON. DOORS INDICATED AS INTERLOCKED TO THIS DOOR WILL NOT UNLOCK IF THIS DOOR IS UNSECURE, UNLESS THE INTERLOCK OVERRIDE IS ACTIVE.

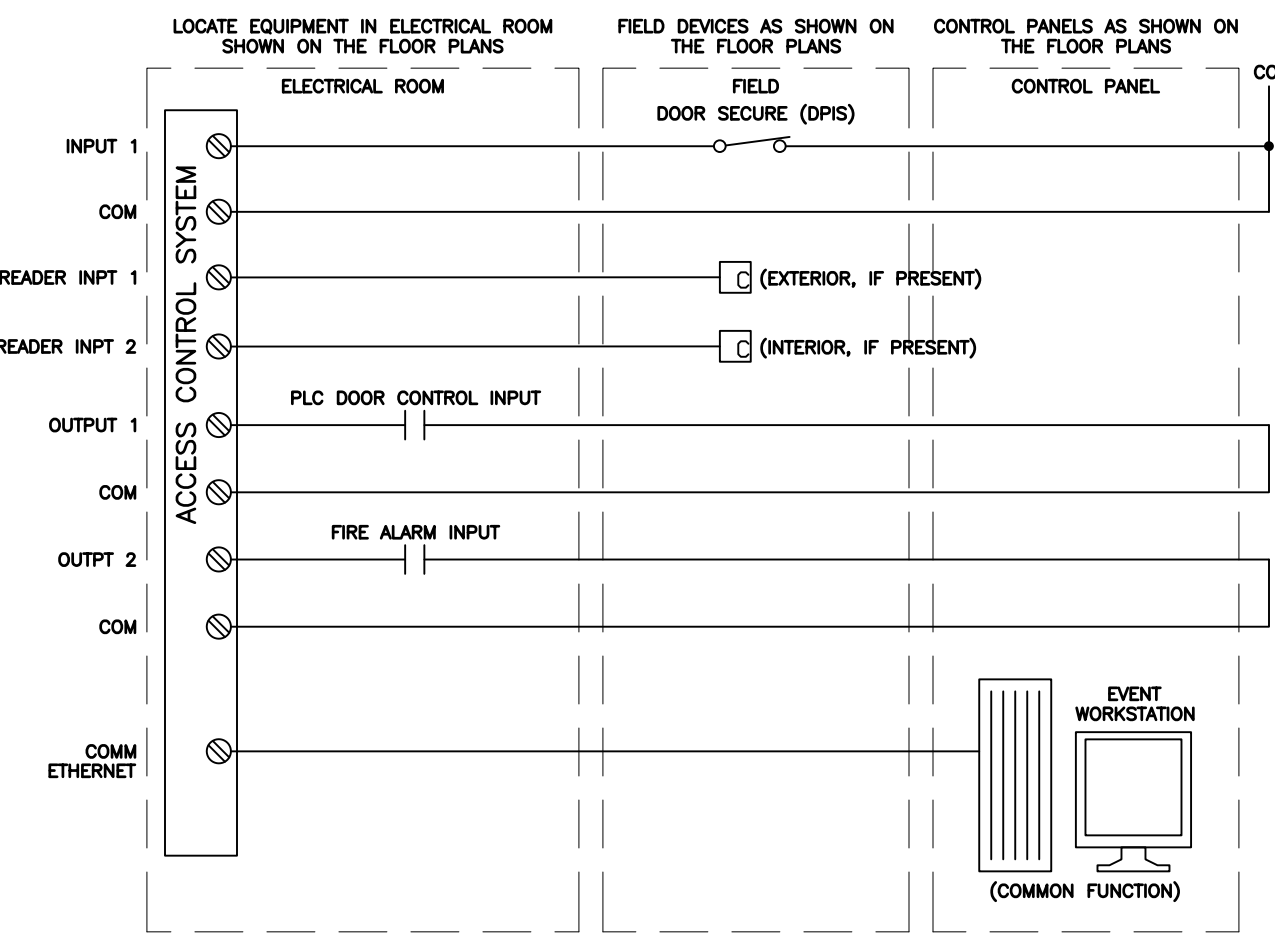


**SYSTEM C3 SWING MOVEMENT DOOR W/ INTERCOM & CCTV**

3 SCALE: NO SCALE XREF:

**SEQUENCE OF OPERATIONS:**

1. THE DOOR OPERATOR IS ENABLED AND THE OPEN DOOR SOLENOID OPENS IF AN AUTHORIZED CARD IS READ BY THE ASSOCIATED CARD READER. UPON DEPRESSING THE AUTOMATIC DOOR PADDLE, THE DOOR SHALL BE ACTIVATED AND THE ENTRY SHALL BE RECORDED ON THE SYSTEM EVENT LOG.
2. IN THE PATH OF EGRESS, THE DOOR OPERATOR IS ENABLED AND THE OPEN DOOR SOLENOID OPENS IF AN AUTHORIZED CARD IS READ BY THE ASSOCIATED CARD READER. UPON DEPRESSING THE AUTOMATIC DOOR PADDLE, THE DOOR SHALL BE ACTIVATED AND THE ENTRY SHALL BE RECORDED ON THE SYSTEM EVENT LOG.
3. IF THE DOOR BECOMES UNSECURE AN ALARM EVENT IS RECORDED AND AN ALARM IS SOUNDED FOR 15 MINUTES ON THE EVENT WORKSTATION. IF THE DOOR IS RE-SECURED, THE ALARM SHALL REMAIN ON THE SYSTEM UNTIL RESET AT THE WORKSTATION. DURING NORMAL BUSINESS HOURS, THE SYSTEM IS INACTIVE.
4. UPON INPUT FROM THE FIRE ALARM SYSTEM, THE DOOR OPERATOR SHALL BE SHUNTED TO ALLOW FREE EGRESS. UPON FIRE ALARM SYSTEM RESET, OPERATION SHALL RETURN TO DESCRIPTION ABOVE.



**SYSTEM AC10 SWING MOVEMENT DOOR WITH ACCESS CONTROL & FIRE ALARM**

1 SCALE: NO SCALE XREF: System AC2 Exterior Door.dwg

**SYSTEM OPERATION:**

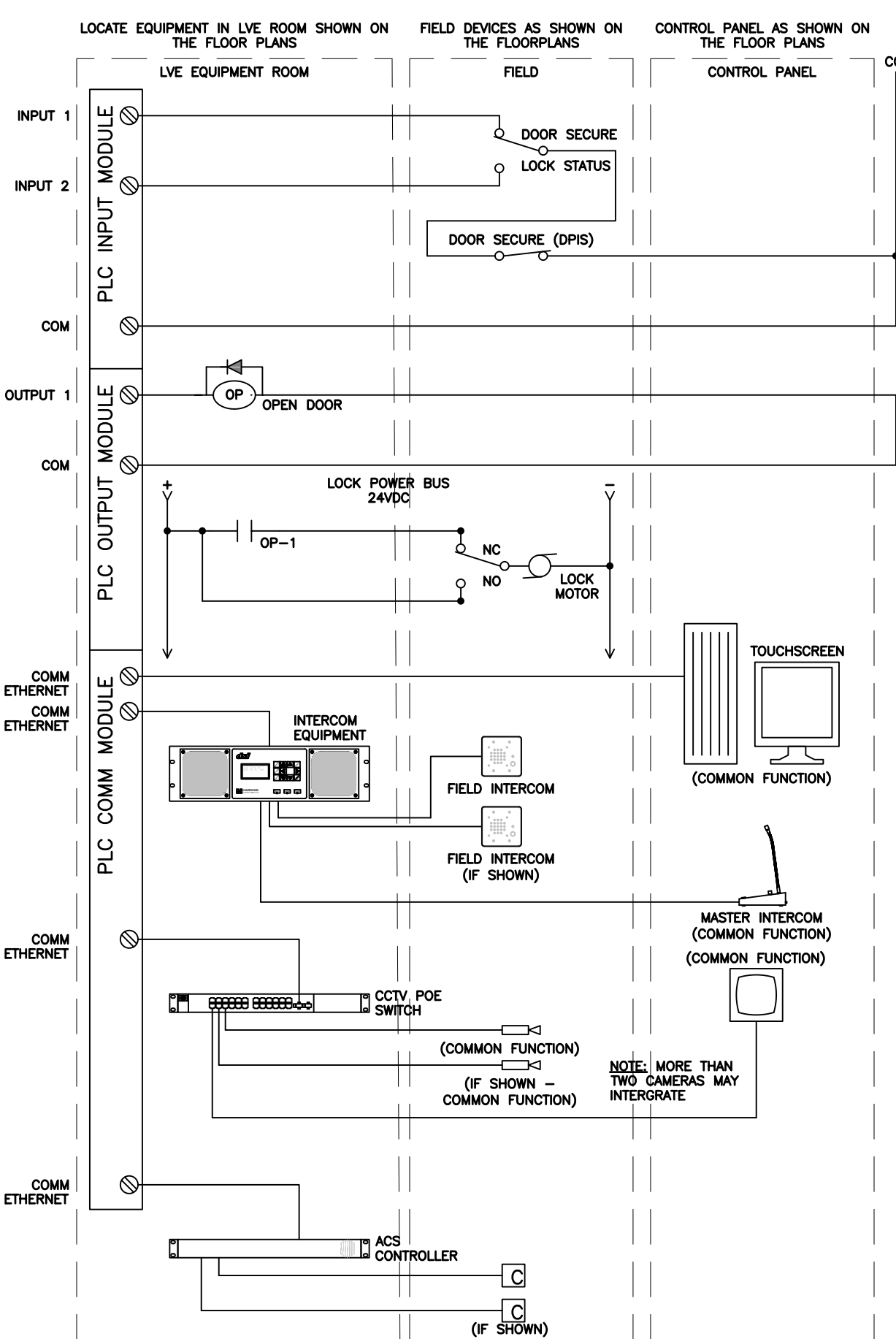
COMMUNICATION IS INITIATED BY DEPRESSING THE CALL SWITCH AT THE DOOR. THIS SHALL START THE CALL-IN ICON FLASHING AND SOUND TONE T1 AT THE PANEL. THE CALL IS ANSWERED BY DEPRESSING THE STATION SELECT ICON WHICH SHALL TURN THE FLASHING CALL-IN ICON SOLID, TURN OFF THE TONE, ESTABLISH AN AUDIO MONITORING LINK TO THE DOOR INTERCOM STATION, AND CALL-UP THE RESPECTIVE CCTV CAMERAS ON THE INDICATED MONITORS. THE OPERATOR MAY THEN TALK TO THE CALLER BY DEPRESSING AND HOLDING THE PUSH-TO-TALK SWITCH.

THE DOOR SHALL BE UNLOCKED BY DEPRESSING THE DOOR UNLOCK ICON. IF THE DOOR IS INTERLOCKED WITH OTHER DOORS, IT SHALL UNLOCK ONLY IF THE OTHER INTERLOCKED DOORS ARE CLOSED AND SECURED. THE DOOR CLOSED ICON SHALL TURN OFF AND THE DOOR OPEN ICON SHALL TURN ON AND REMAIN ON AS LONG AS THE DOOR IS OPEN. WHEN THE DOOR IS AGAIN SECURE, THE DOOR OPEN ICON SHALL TURN OFF AND THE DOOR CLOSED ICON SHALL TURN ON.

THE OPERATOR MUST DEPRESS THE STATION SELECT ICON TO TURN OFF THE CALL-IN ICON, TURN OFF THE AUDIO MONITORING LINK TO THE DOOR INTERCOM STATION, AND TURN OFF THE CCTV CAMERAS BEFORE LEAVING THE SYSTEM.

THE DOOR MAY ALSO BE UNLOCKED BY A VALID INPUT FROM THE ACCESS CONTROL SYSTEM. IF THE DOOR IS INTERLOCKED WITH OTHER DOORS, IT SHALL UNLOCK ONLY IF THE OTHER INTERLOCKED DOORS ARE CLOSED. WHEN THE DOOR IS UNSECURE, THE DOOR OPEN ICON SHALL BE SHUNTED. IF THE DOOR REMAINS UNSECURE FOR A USER SPECIFIED PERIOD OF TIME, THE DOOR CLOSED ICON SHALL TURN OFF AND THE DOOR OPEN ICON SHALL TURN ON AND REMAIN ON AS LONG AS THE DOOR IS OPEN. WHEN THE DOOR IS AGAIN SECURE, THE DOOR OPEN ICON SHALL TURN OFF AND THE DOOR CLOSED INDICATOR ICON SHALL TURN ON.

- NOTE:  
 1. SS 10120AM, FULL CYCLE LOCK.  
 2. 24VDC, CLASS 2 CIRCUIT TO LOCKSET.

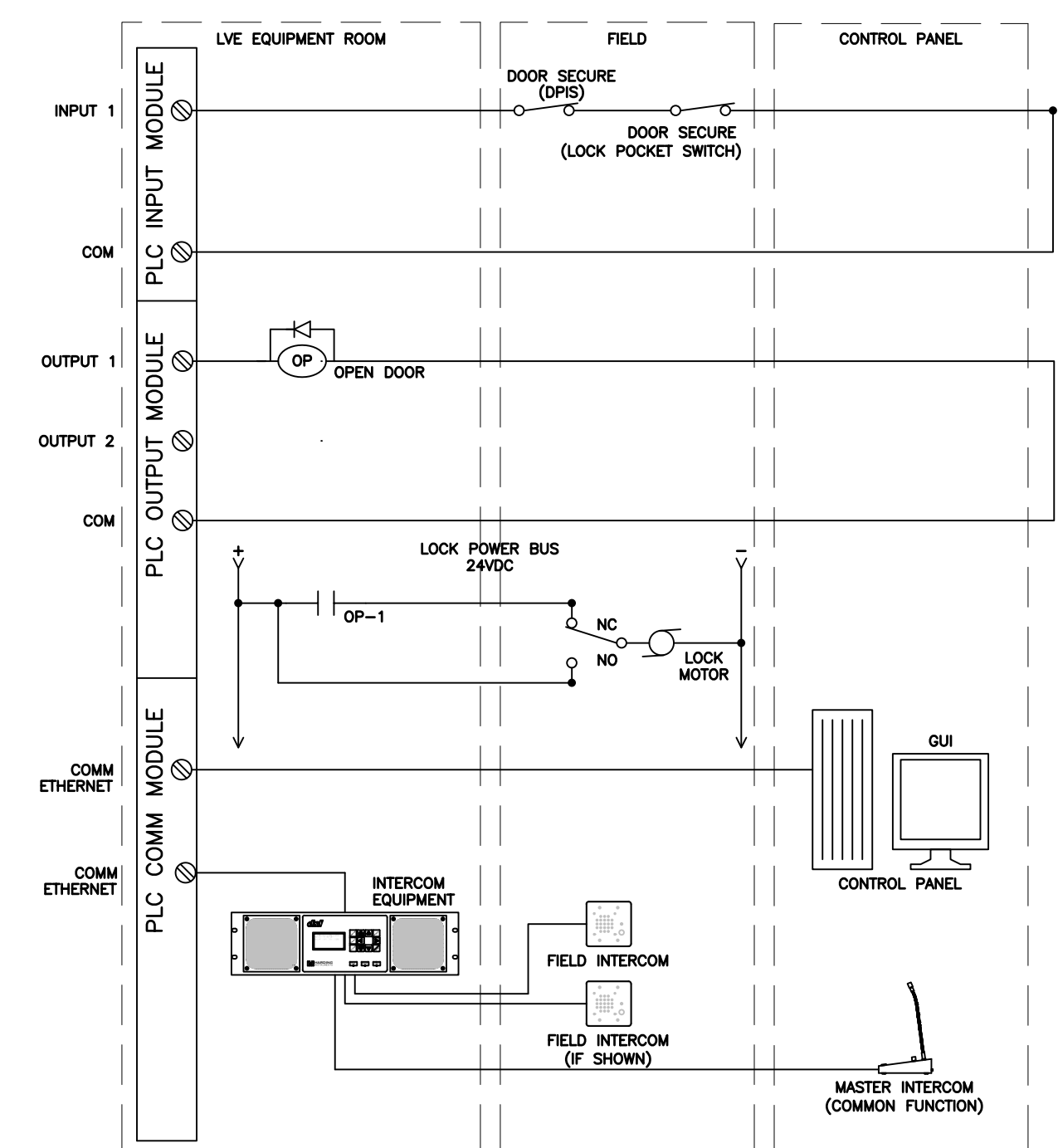


**SYSTEM C5 - SWING MOVEMENT DOOR WITH INTERCOM, CCTV, AND CARD ACCESS**

4 SCALE: NO SCALE XREF: C5

**SYSTEM OPERATION:**

A CALL-IN IS INITIATED WHEN THE INTERCOM CALL BUTTON IS PRESSED. THIS STARTS THE CALL-IN ICON FLASHING, SOUNDS A TONE AT THE CONTROL PANEL, AND ESTABLISHES AN AUDIO COMMUNICATION LINK TO THE LOCAL INTERCOM. THE DOOR SHALL BE UNLOCKED BY DEPRESSING THE DOOR CONTROL ICON. IF THE DOOR IS INTERLOCKED WITH OTHER DOORS, IT SHALL UNLOCK ONLY IF THE OTHER INTERLOCKED DOORS ARE SECURE. THE DOOR CLOSED ICON SHALL TURN OFF AND THE DOOR OPEN ICON SHALL TURN ON AND REMAIN ON AS LONG AS THE DOOR IS UNSECURE. WHEN THE DOOR IS AGAIN SECURE, THE DOOR OPEN ICON SHALL TURN OFF AND THE DOOR CLOSED ICON SHALL TURN ON. DOORS INDICATED AS INTERLOCKED TO THIS DOOR WILL NOT UNLOCK IF THIS DOOR IS UNSECURE, UNLESS THE INTERLOCK OVERRIDE IS ACTIVE.



**SYSTEM C2 SWING MOVEMENT DOOR W/ INTERCOM**

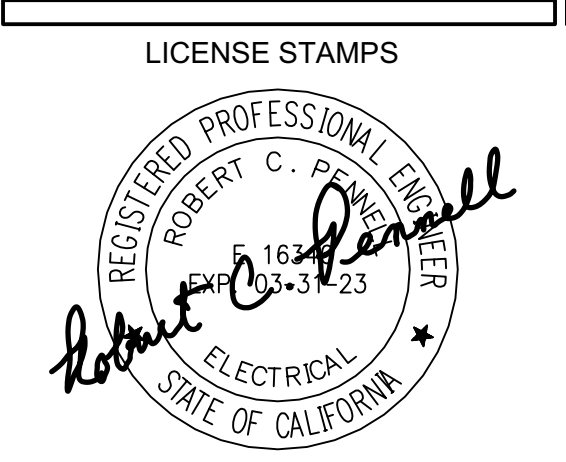
2 SCALE: NO SCALE XREF:



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PROJECT NAME  
**HUMBOLDT COUNTY COMMUNITY CORRECTIONS RE-ENTRY RESOURCE CENTER**  
 929 5th STREET  
 EUREKA, CA 95501

SHEET TITLE  
**SECURITY ELECTRONICS - SYSTEM NARRATIVES/ DIAGRAMS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By	BKB/RCP
Date Issued	09.19.2022
Scale	N/A
Project No.	16-6421.00

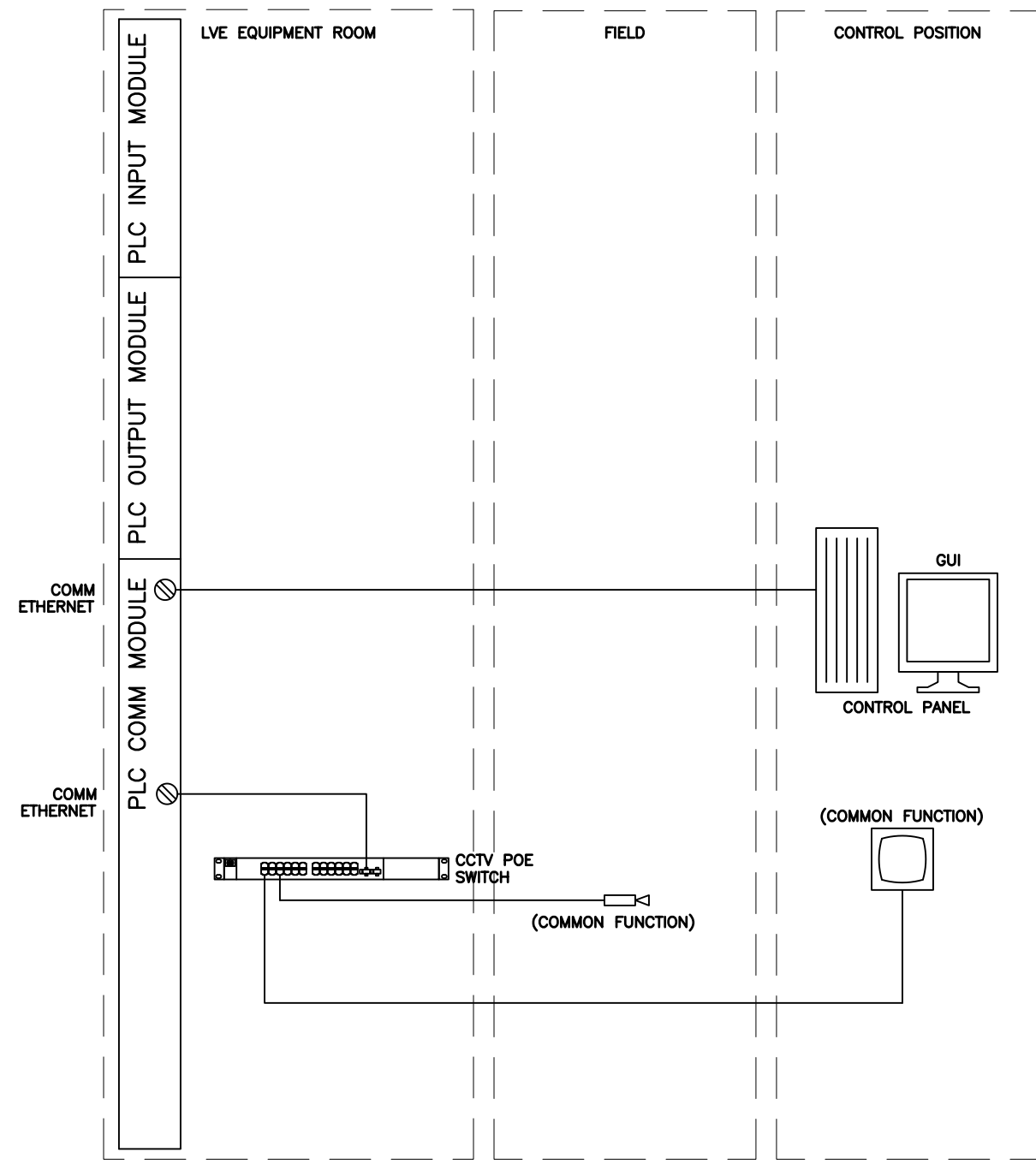
SHEET No.  
**SE8.5 V4**



**SYSTEM OPERATION:**

CCTV SELECTION IS INITIATED BY DEPRESSING THE ICON AT THE CONTROL PANEL (TOUCHSCREEN). THIS TURNS ON THE LED MONITOR ICON AND DIRECTS THE VIDEO IMAGE TO THE LOCAL CONTROL STATION CCTV MONITOR.

DEPRESSING THE ICON AGAIN SHALL TURN OFF THE LED ICON AND REMOVE VIDEO IMAGE FROM THE CCTV MONITOR.



**SYSTEM H1  
CCTV SELECT**

3

SCALE: NO SCALE

XREF: H1

**SYSTEM OPERATION:**

WHEN THE CALL SWITCH ON THE REMOTE INTERCOM STATION IS DEPRESSSED, A CALL-IN ICON WILL BEGIN TO FLASH AND A TONE WILL SOUND AT THE CONTROL STATION (TOUCHSCREEN). THE CALL IS ANSWERED BY SELECTING THE CALL-IN ICON WHICH WILL TURN THE FLASHING CALL-IN ICON SOLID AND ESTABLISH A COMMUNICATION LINK TO THE ROOM. THE OPERATOR MAY THEN TALK TO THE CALLER BY DEPRESSING AND HOLDING THE PUSH TO TALK SWITCH ON THE MASTER INTERCOM STATION.

THE STATION SELECT SWITCH MAY BE DEPRESSSED AT ANY TIME WHICH TURNS ON THE CALL-IN ICON AND ALLOWS THE OPERATOR TO MONITOR THE ROOM. TO TERMINATE MONITORING AND TURN OFF THE CALL-IN ICON, DEPRESS THE STATION SELECT SWITCH A SECOND TIME.

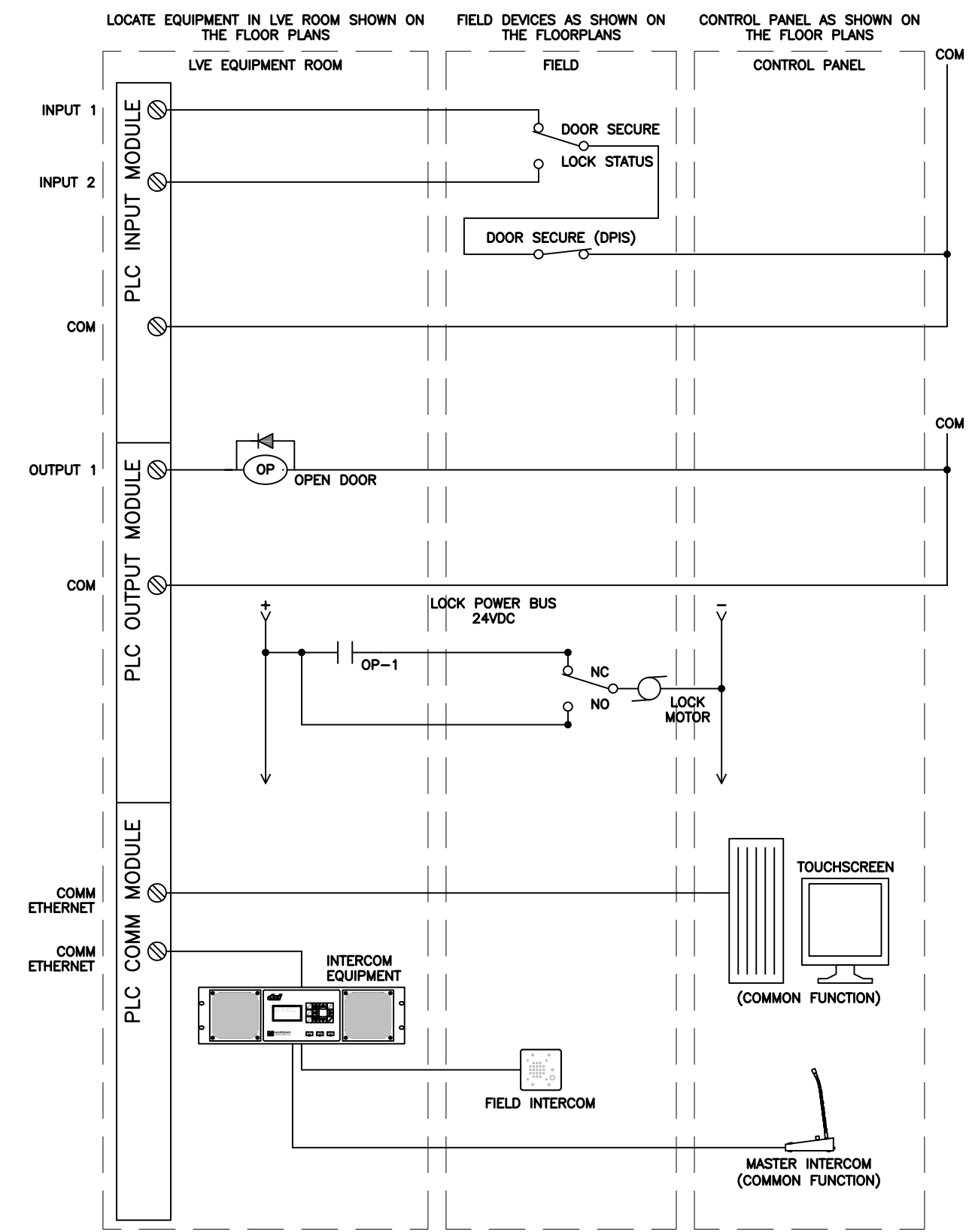
THE DOOR MAY BE UNLOCKED BY DEPRESSING THE DOOR CONTROL ICON. THE DOOR CLOSED ICON WILL TURN OFF AND THE DOOR OPEN ICON WILL TURN ON AND REMAIN ON AS LONG AS THE DOOR IS UNSECURED. WHEN THE DOOR IS AGAIN SECURE, THE DOOR OPEN ICON WILL TURN OFF AND THE DOOR CLOSED ICON WILL TURN ON.

DEPRESSING THE GROUP SELECT ICON WILL TURN ON THE GROUPED ICON AND ADD THAT CELL TO THE GROUP TO BE UNLOCKED. THE GROUP SELECT ICON MAY BE DEPRESSSED A SECOND TIME TO REMOVE THE CELL FROM THE GROUP AND TURN OFF THE GROUPED ICON.

THE OPERATOR MUST DEPRESS THE STATION SELECT ICON TO TURN OFF THE CALL-IN ICON BEFORE LEAVING THE SYSTEM.

THE SPEAKER AND PUSH TO TALK SWITCH ARE SHARED WITH OTHER SYSTEMS. SEE SHARED SPEAKER AND PUSH TO TALK SYSTEM FOR MORE INFORMATION.

- NOTE:**  
1. SS 10120AM, FULL CYCLE LOCK.  
2. 24VDC, CLASS 2 CIRCUIT TO LOCKSET.



**SYSTEM D2 SWING CELL DOOR  
W/ IC & GROUP RELEASE**

1

SCALE: NO SCALE

XREF: D2

**SYSTEM OPERATION:**

THERE ARE THREE (3) MODES OF CONTROL ESTABLISHED THROUGH A KEY SWITCH IN MASTER CONTROL:

**AUTO:** ELEVATOR OPERATES IN NORMAL OPERATION RESPONDING TO DOOR OPEN, DOOR CLOSE AND FLOOR SELECTION COMMANDS FROM THE CARRIAGE OPERATION PANEL AND ELEVATOR CALL-IN BUTTONS AT EACH LANDING. UPON VALID INPUT FROM THE ACCESS CONTROL SYSTEM (IF EQUIPPED), THE CAB OCCUPANT CAN ALSO SELECT ONE OF THE OTHER LEVELS, BYPASSING ALL OTHER PROGRAMMED STOPS (FOR EMERGENCY OPERATION)

**SECURITY RECALL:** MASTER CONTROL HAS FULL CONTROL OF THE ELEVATOR IN THIS MODE THROUGH THE TOUCHSCREEN CONTROL PANEL. THE CARRIAGE CONTROL PANEL IS DISABLED. HOWEVER, THE ELEVATOR LANDING CALL-IN BUTTONS ARE STILL ACTIVE, PROVIDING INPUT TO THE TOUCHSCREEN CONTROL PANEL. CARD READERS WITHIN THE ELEVATOR CAB DO NOT OPERATE IN THIS MODE.

**COMMUNICATION:** WITH MASTER CONTROL IS INITIATED BY DEPRESSING THE ELEVATOR LANDING CALL-IN BUTTON. THIS SHALL START THE ELEVATOR CALL-IN ICON FLASHING AND SOUND TONE T1 AT THE CONTROL PANEL. THE CALL IS ANSWERED BY DEPRESSING THE ELEVATOR SELECT ICON WHICH SHALL TURN OFF THE TONE, AND CALL-UP THE RESPECTIVE CCTV CAMERA ON THE INDICATED MONITORS.

IF THE ELEVATOR IS AT THE SAME LEVEL AS THE CALL-IN, THE OPERATOR MAY SELECT THE ELEVATOR ICON, TURNING ON THE ELEVATOR ICON. THE ELEVATOR DOOR MAY BE OPENED BY SELECTING THE DOOR OPEN ICON, STARTING THE ICON FLASHING. THE ELEVATOR DOOR MAY BE CLOSED BY DE-SELECTING THE DOOR OPEN ICON, TURNING OFF THE FLASHING ICON.

IF THE ELEVATOR IS AT A DIFFERENT LEVEL FROM THE CALL-IN, THE CONTROL PANEL OPERATOR CAN THEN SEND THE CAR TO THE FLOOR WHERE THE CALL-IN ORIGINATED BY SELECTING THE ELEVATOR ICON, TURNING ON THE ELEVATOR ICON, THEN SELECTING THE LANDING ICON, STARTING THE LANDING ICON FLASHING. ONCE THE ELEVATOR REACHES THE SELECTED LANDING, THE LANDING ICON TURNS SOLID, AND THE DOORS MAY BE OPENED AND CLOSED PER THE NARRATIVE ABOVE. ONCE THE ELEVATOR CAB DOORS OPEN PER ABOVE, THE FLASHING ELEVATOR LANDING CALL-IN ICON SHALL TURN SOLID, AND AN AUDIO COMMUNICATION LINK IS ESTABLISHED WITH THE INTERCOM STATION WITHIN THE ELEVATOR CAB.

THE OPERATOR MAY THEN SELECT THE FLOOR TO WHICH THE CAB WILL BE DELIVERED, BY SELECTING THE LANDING ICON, STARTING THE LANDING ICON TO FLASHING. ONCE THE ELEVATOR CAB REACHES THE SELECTED LANDING, THE LANDING ICON TURNS SOLID, THE DOORS MAY BE OPENED AND CLOSED PER THE NARRATIVE ABOVE.

THE ELEVATOR DOORS MAY NOT BE OPENED OR CLOSED WHILE THE ELEVATOR IS IN TRAVEL. THE OPERATOR MAY LEAVE THE SYSTEM BY DE-SELECTING THE ELEVATOR ICON, WHICH SHALL TURN OFF THE ICON, AND TURN OFF AUDIO AND VIDEO COMMUNICATIONS.

**SWING SERVICE:** CAR OPERATES AT CARRIAGE CONTROL PANEL ONLY AND WILL NOT RESPOND TO INPUTS FROM THE MASTER CONTROL TOUCHSCREEN CONTROL PANEL OR CALL-IN BUTTONS AT EACH LANDING. ELEVATOR CAB SHALL REMAIN AT THE FLOOR WHERE THE LAST COMMAND FROM THE CARRIAGE CONTROL PANEL WAS INITIATED FROM WITH THE DOORS OPEN. MASTER CONTROL CAN TAKE BACK CONTROL OF THE ELEVATOR AT ANYTIME THROUGH MODE SELECTION ON THE KEY SWITCH.

COMMUNICATION WITH THE CONTROL PANEL IS INITIATED BY DEPRESSING THE INTERCOM CALL SWITCH IN THE ELEVATOR CAB. THIS SHALL START THE CALL-IN ICON FLASHING AND SOUND TONE T1 AT THE CONTROL PANEL.

THE CALL IS ANSWERED BY DEPRESSING THE STATION SELECT ICON WHICH SHALL TURN THE FLASHING CALL-IN ICON SOLID, TURN OFF THE TONE, ESTABLISH AN AUDIO COMMUNICATION LINK TO THE CAB INTERCOM STATION AND CALL-UP THE RESPECTIVE CCTV CAMERA ON THE INDICATED MONITORS. THE OPERATOR MAY THEN TALK TO THE CALLER BY DEPRESSING AND HOLDING THE PUSH-TO-TALK SWITCH.

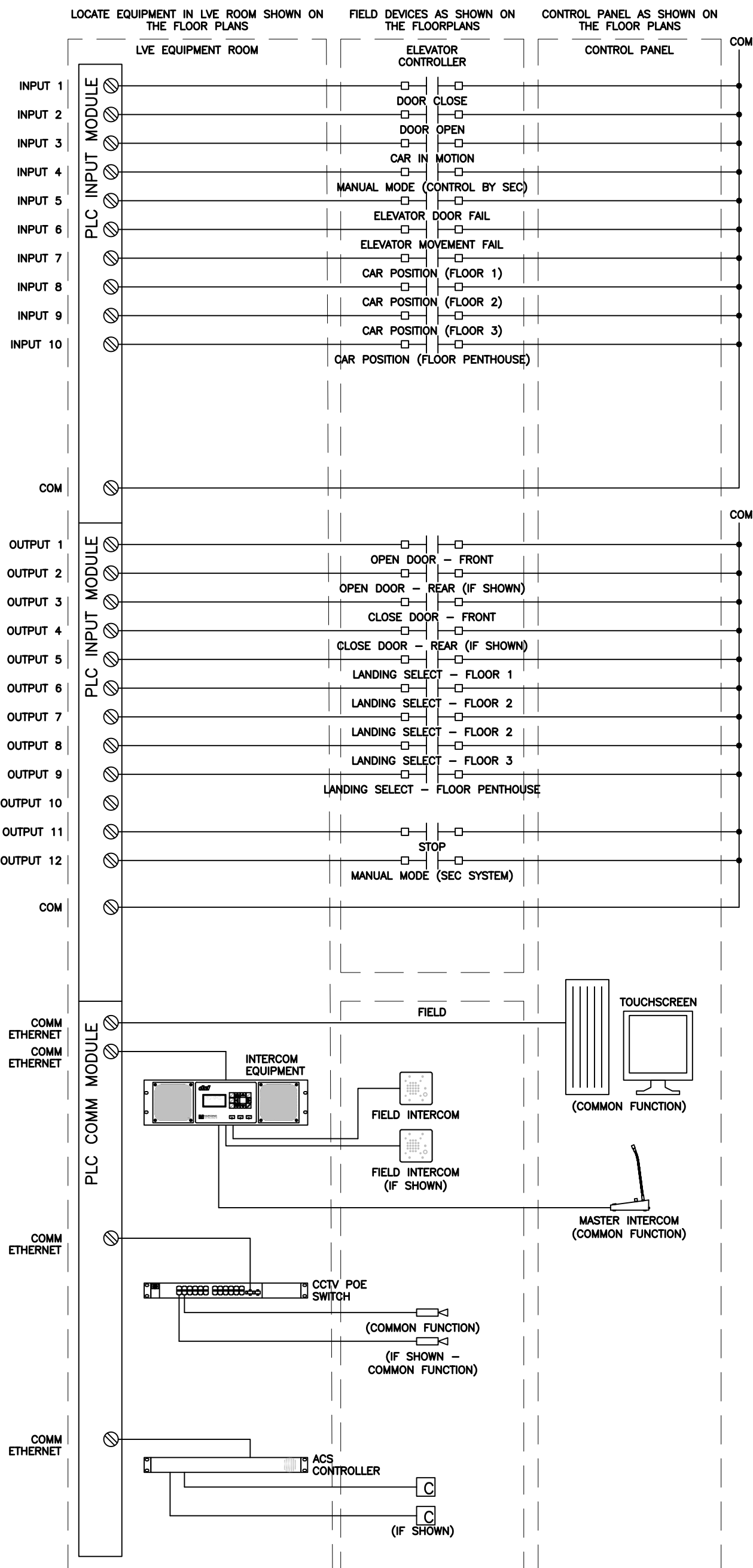
THE OPERATOR MUST DEPRESS THE STATION SELECT ICON TO TURN OFF THE CALL-IN ICON, TURN OFF THE AUDIO COMMUNICATION LINK TO THE CAB INTERCOM STATION AND TURN OFF THE CCTV CAMERAS BEFORE LEAVING THE SYSTEM.

**SYSTEM J11 ELEVATOR CONTROL  
W/ IC, CCTV, CARD ACCESS**

4

SCALE: NO SCALE

XREF:



**SYSTEM OPERATION:**

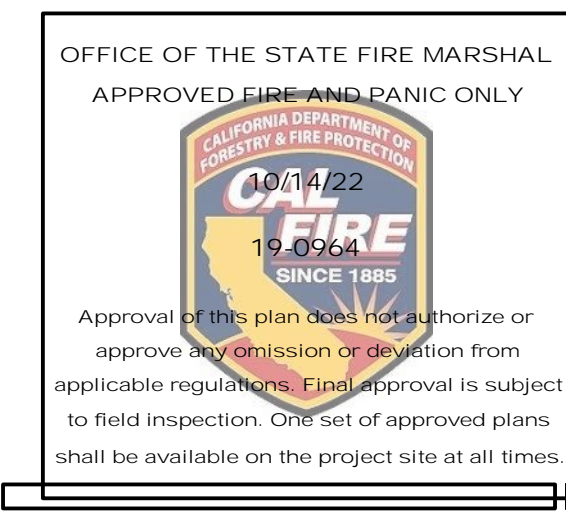
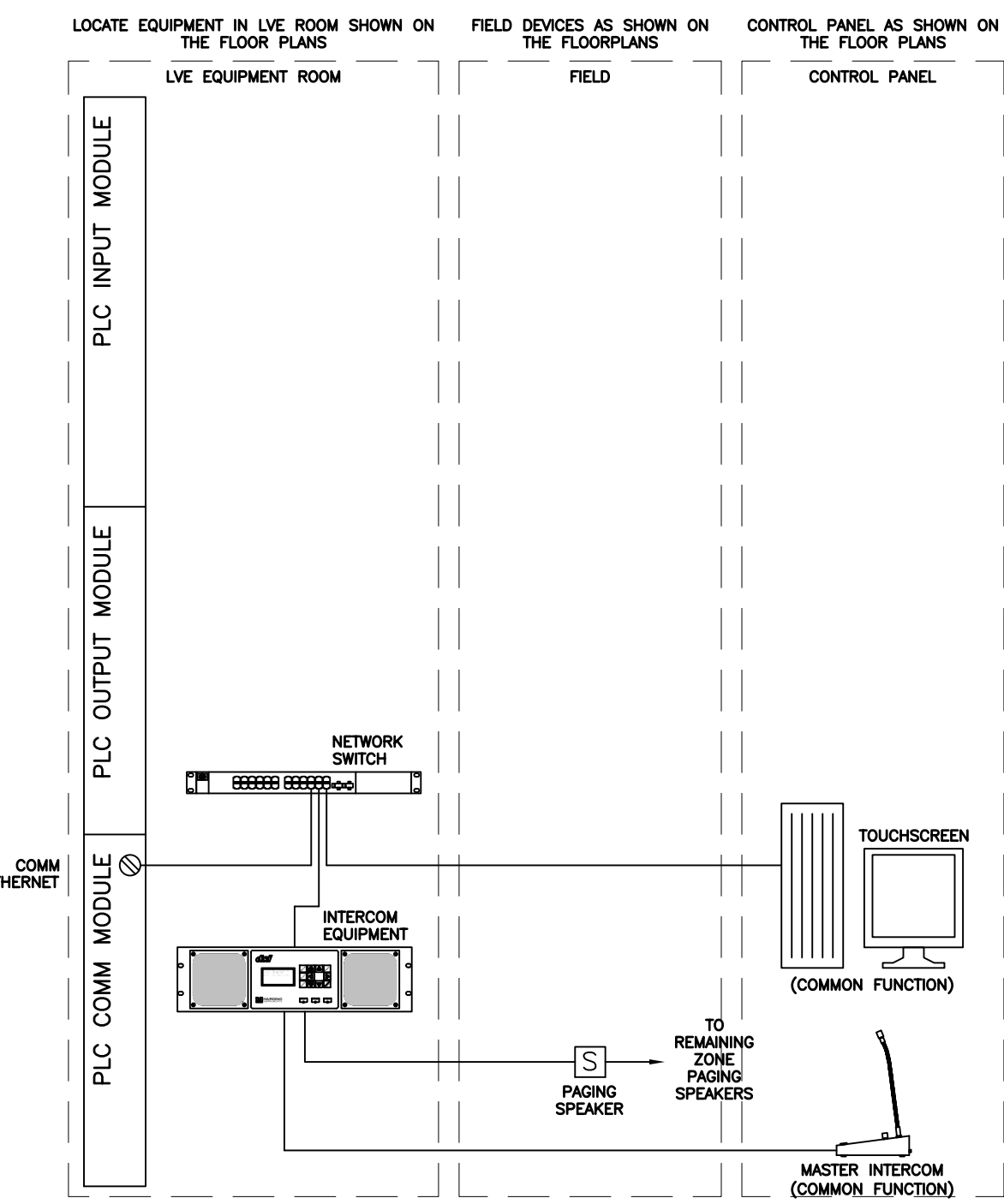
DEPRESSING THE STATION SELECT ICON SHALL TURN THE INDICATION ICON SOLID AND ESTABLISH AN AUDIO COMMUNICATION LINK TO THE PAGING SPEAKERS. THE OPERATOR MAY THEN TALK BY DEPRESSING AND HOLDING THE INTERCOM MASTER STATION PUSH-TO-TALK SWITCH.

THE OPERATOR MUST DEPRESS THE STATION SELECT ICON TO TURN OFF THE INDICATION ICON BEFORE LEAVING THE SYSTEM.

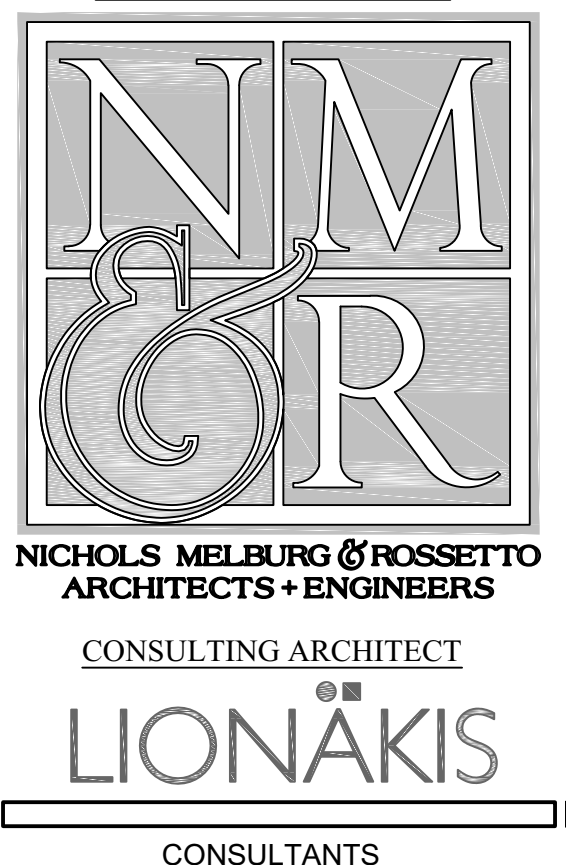
**SYSTEM G2  
AREA PAGING**

2

SCALE: NO SCALE



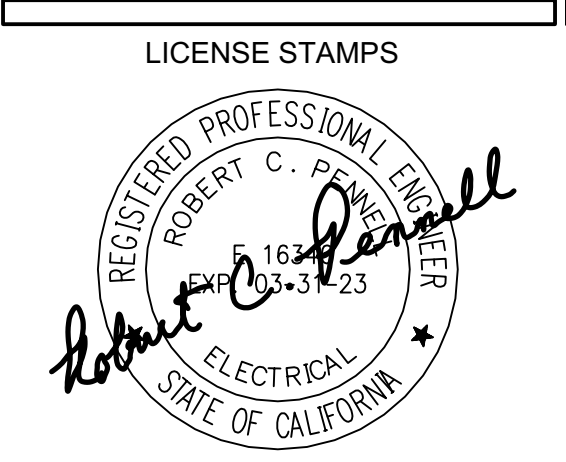
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ARCHITECTS + ENGINEERS  
CONSULTING ARCHITECT  
**LIONAKIS**  
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Spokane, WA 99204  
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LICENSE STAMPS  
PROJECT NAME  
**HUMBOLDT COUNTY  
COMMUNITY  
CORRECTIONS  
RE-ENTRY  
RESOURCE CENTER**  
929 5th STREET  
EUREKA, CA 95501

SHEET TITLE  
**SECURITY ELECTRONICS -  
SYSTEM NARRATIVES/  
DIAGRAMS**

DRAWING STATUS  
**WORKING DRAWINGS**

REVISIONS

Delta	Description	Date

Drawn By: BKB/RCP  
Date Issued: 09.19.2022  
Scale: N/A  
Project No.: 16-6421.00

SHEET No.  
**SE8.6 V4**

Login Name: Ghazwan  
 Date: 09/19/2022 11:43:51 AM  
 File Name: S:\J11\091717-4-HCCO-RedEntry Resource Center (NMR)\Drawings\17-4-SE8.6.rvt

**SYSTEM OPERATION:**

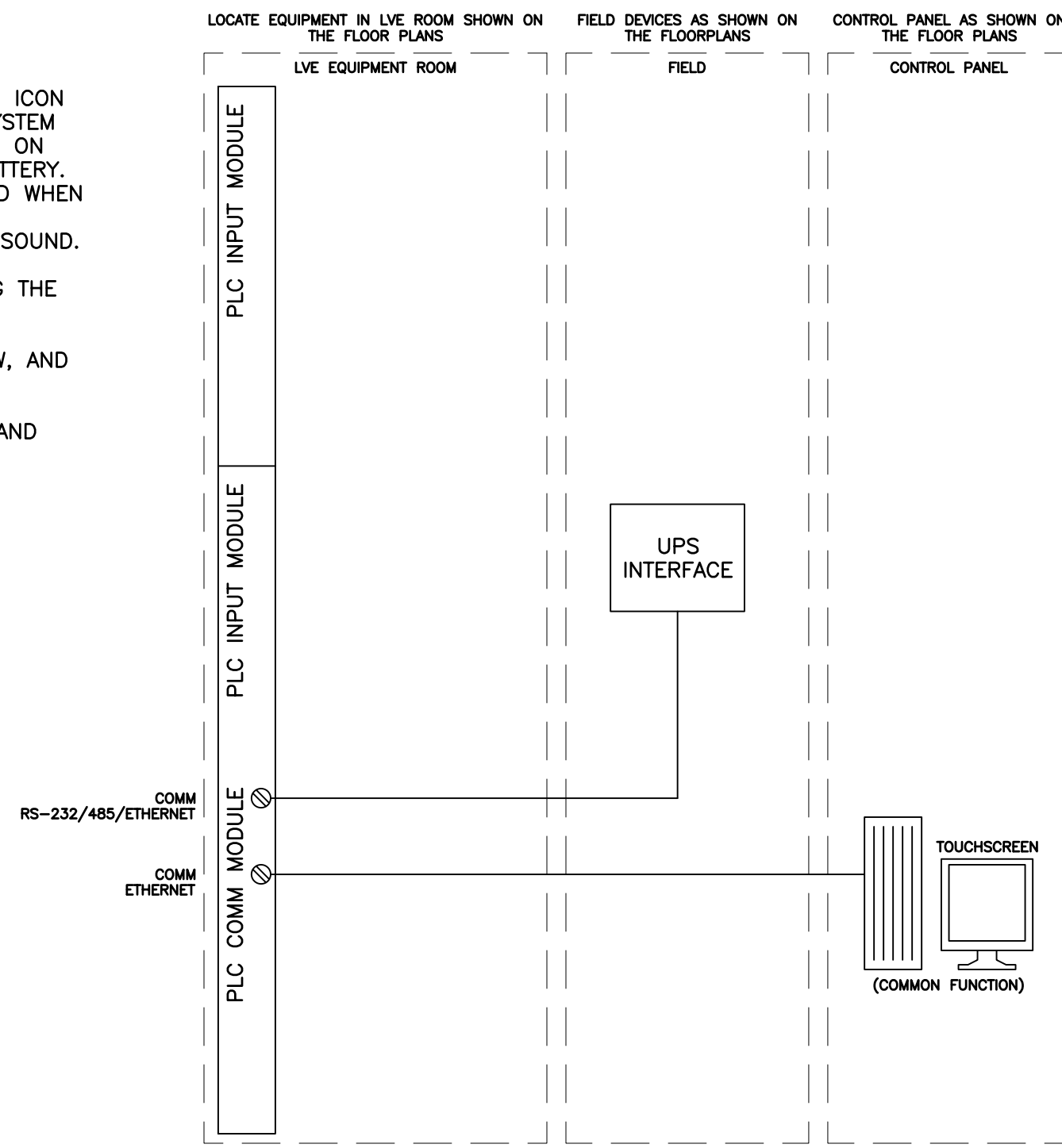
WHEN THE UPS SYSTEM IS ON BATTERY POWER, AN ICON SHALL FLASH ON THE SCREEN. ONCE THE UPS SYSTEM REACHES THE LOW BATTERY STATE, A SECOND ICON ON THE SCREEN SHALL FLASH INDICATING UPS LOW BATTERY. WHILE THE UPS SYSTEM IS ON BATTERY POWER AND WHEN THE UPS BATTERY IS CLOSE TO FAILURE, THE UPS SHUTDOWN ICON SHALL FLASH AND A TONE SHALL SOUND.

UPS SYSTEM DEMAND, PROVIDE SCREENS INDICATING THE FOLLOWING FUNCTIONS:

12-MONTH MAXIMUM DEMAND INCLUDING VA, VAR, W, AND POWER FACTOR.

30-DAY MAXIMUM DEMAND INCLUDING VA, VAR, W, AND POWER FACTOR.

THE UPS SYSTEM DEMAND FUNCTION SHALL BE ACCESSIBLE THRU THE UTILITY SCREEN.



**SYSTEM U2 – UPS INTERFACE WITH DEMAND METERING**

SCALE: NO SCALE

XREF: U2

**GENERAL SYSTEM OPERATION:**

DEPRESSING THE ICON AT THE CONTROL PANEL (TOUCHSCREEN) SHALL CLOSE LIGHTING-ON RELAY AND TURN ON LIGHTING-ON ICON AND TURN OFF LIGHTING-OFF ICON.

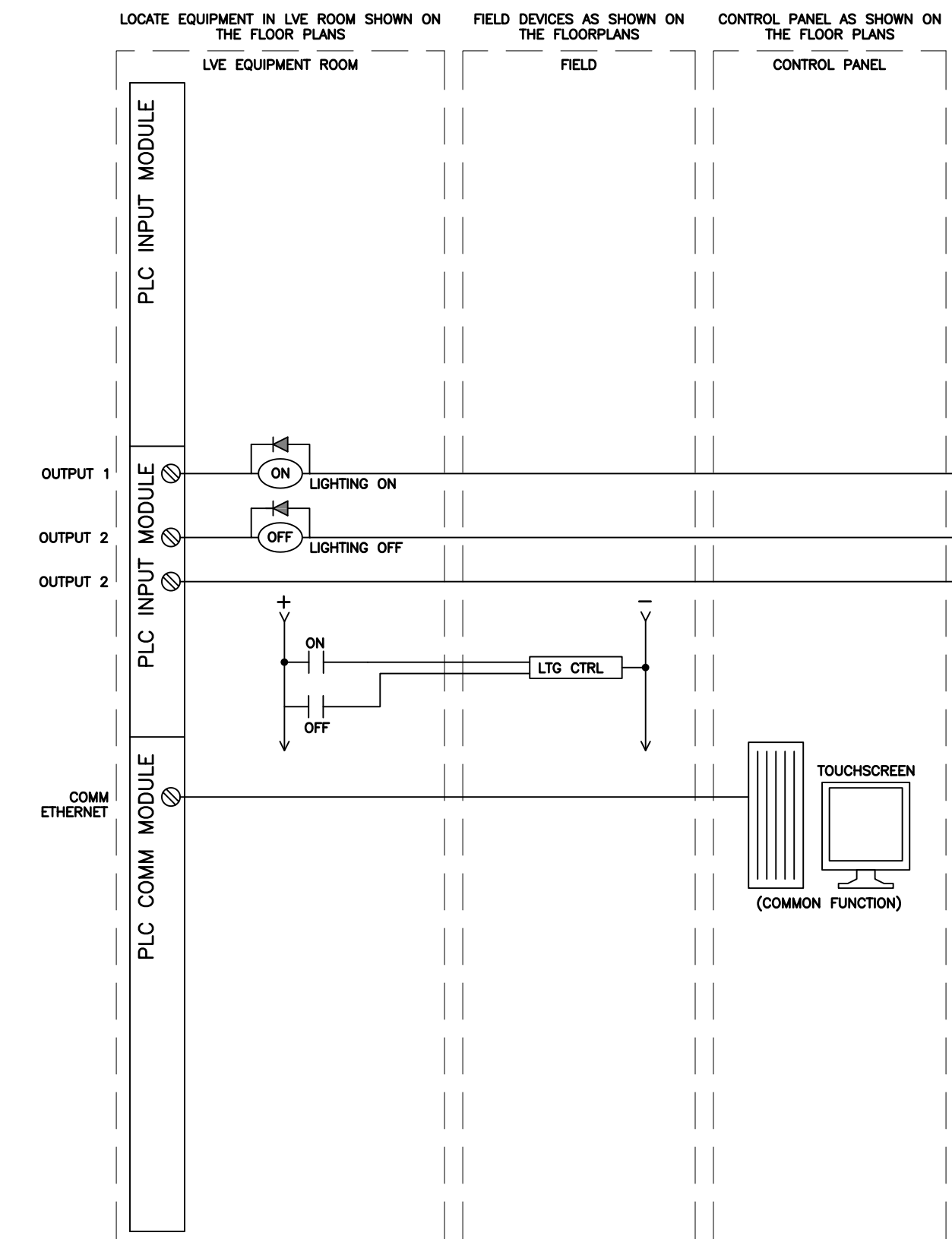
DEPRESSING THE OFF ICON SHALL CLOSE THE LIGHTING-OFF RELAY AND TURN ON LIGHTING-OFF ICON AND TURN OFF THE LIGHTING-ON ICON.

**INMATE CELLS SYSTEM CONNECTION:**

CELLS 392.1, 392.2 AND 392.3 SHALL TURN ON/OFF COLLECTIVELY.

**DAYROOMS SYSTEM CONNECTION:**

EACH DAYROOM 390 AND 392 SHALL BE ON A SEPARATE CONTROL. ALL LIGHTS IN EACH ROOM SHALL BE ON/OFF COLLECTIVELY.



**SYSTEM K1 LIGHTING CONTROL**

SCALE: NO SCALE

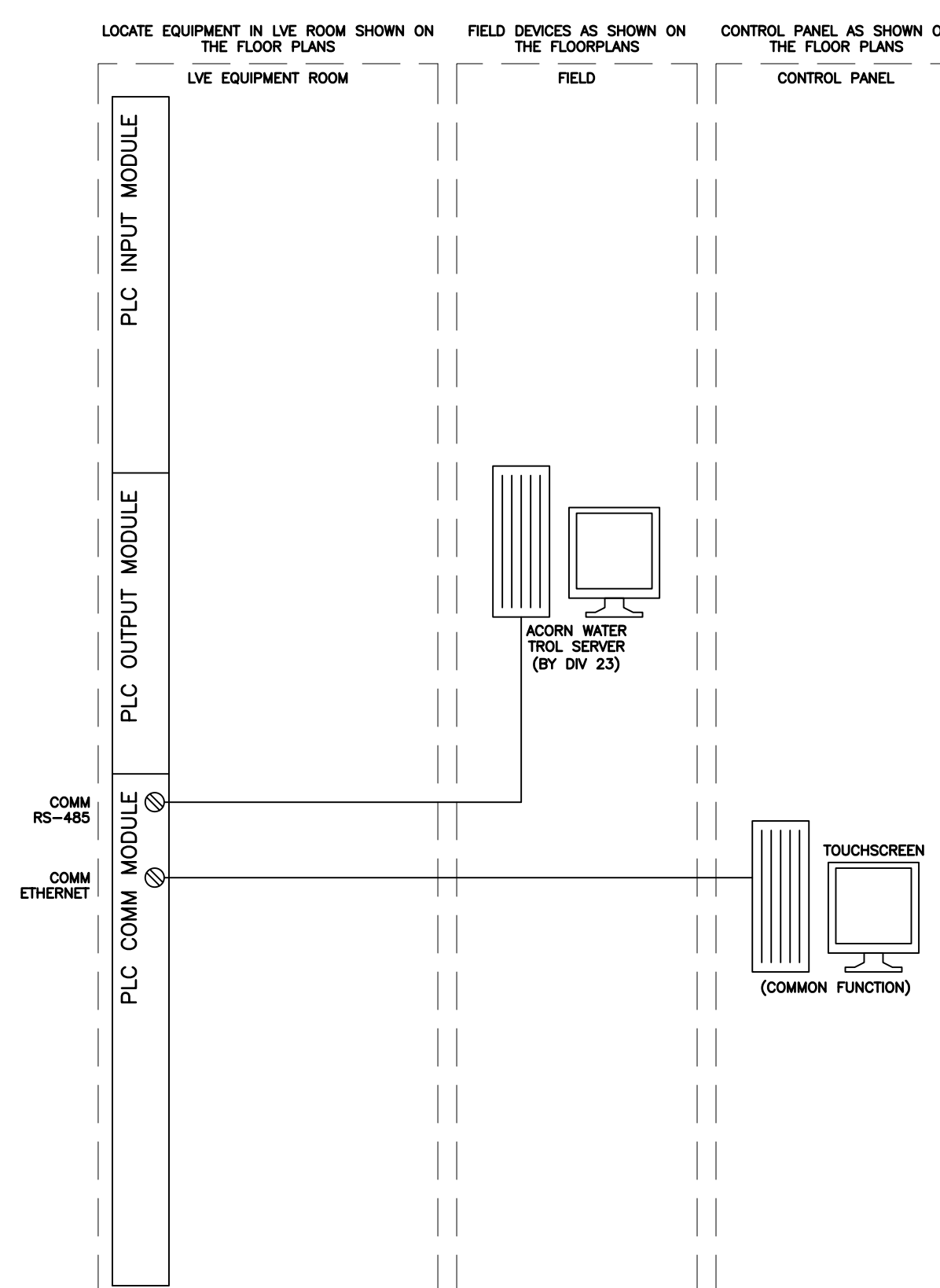
XREF: K1

**SYSTEM OPERATION:**

DEPRESSING THE WATER CONTROL ICON WILL TURN ON THE "WATER ON" RELAY (WITHIN THE WATER CONTROL PANEL, PROVIDED BY OTHERS), AND TURN OFF THE "WATER OFF" RELAY (IF PRESENT), AND CHANGE THE STATE OF THE WATER CONTROL ICON OR WATER CONTROL INDICATOR.

DEPRESSING THE WATER CONTROL ICON A SECOND TIME WILL TURN OFF THE "WATER ON" RELAY, TURN ON THE "WATER OFF" RELAY (IF PRESENT), AND CHANGE THE STATE OF THE WATER CONTROL ICON OR WATER CONTROL INDICATOR.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE OF WATER CONTROL RELAYS PROVIDED BY THE DIVISION 23 CONTRACTOR AND IS RESPONSIBLE FOR PROVIDING ALL NECESSARY INTERFACE EQUIPMENT TO THOSE RELAYS.



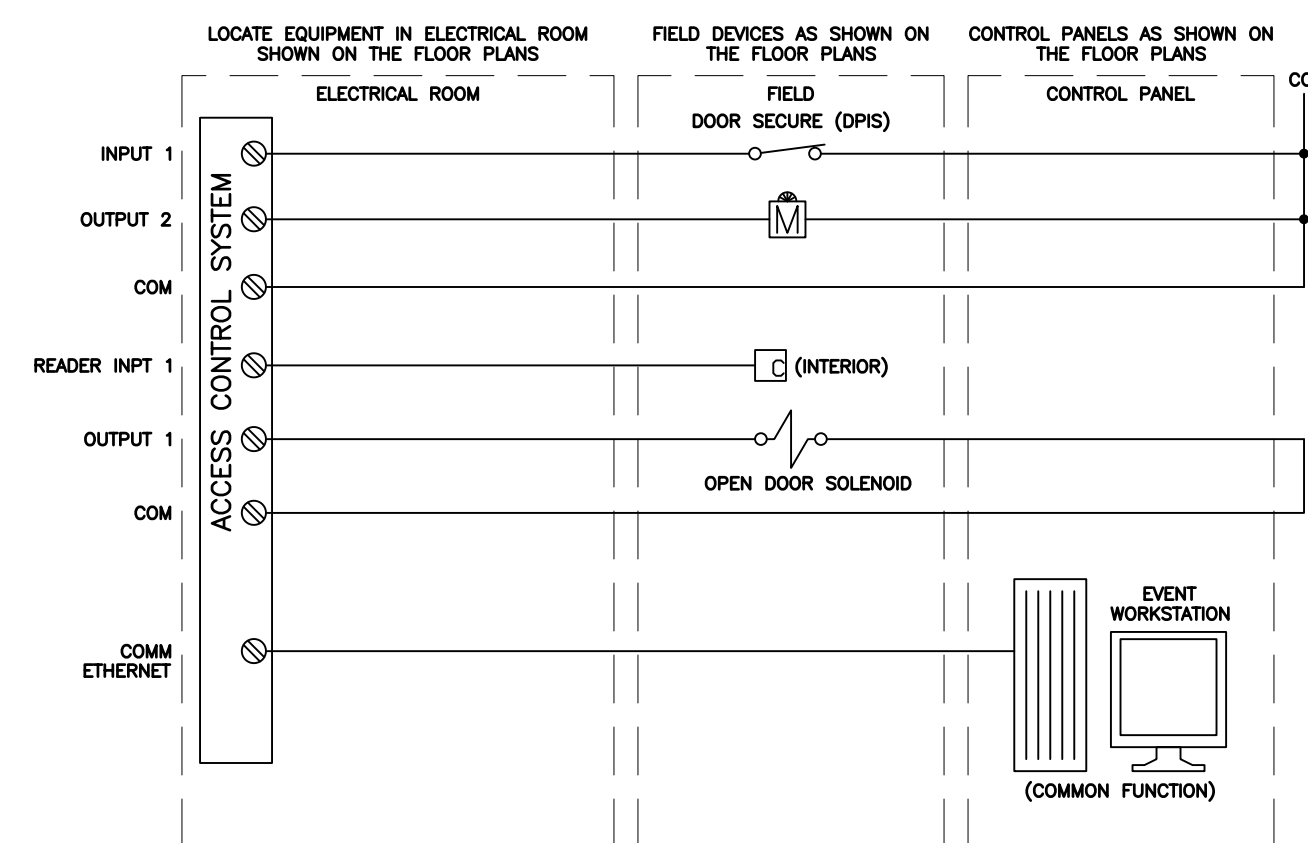
**SYSTEM K4 WATER CONTROL**

SCALE: NO SCALE

XREF: K4

**SEQUENCE OF OPERATIONS:**

- DURING NORMAL BUSINESS HOURS, THE SYSTEM IS INACTIVE.
- AFTER HOURS, THE SYSTEM IS ACTIVE.
- THE DOOR UNLOCKS IF AN AUTHORIZED CARD IS READY BY THE ASSOCIATED CARD READER. THE ENTRY SHALL BE RECORDED ON THE SYSTEM EVENT LOG.
- IN THE PATH OF EGRESS, THE DOOR OPEN SOLENOID IS ENABLED UPON ACTIVATION OF THE REQUEST TO EXIT DEVICE.
- IF THE DOOR BECOMES UNSECURE AN ALARM EVENT IS RECORDED AND AN ALARM IS SOUNDED FOR 15 MINUTES ON THE EVENT WORKSTATION. IF THE DOOR IS RE-SECURED, THE ALARM SHALL REMAIN ON THE SYSTEM UNTIL RESET AT THE WORKSTATION. DURING NORMAL BUSINESS HOURS, THE SYSTEM IS INACTIVE.
- UPON INPUT FROM THE FIRE ALARM SYSTEM, THE DOOR OPEN SOLENOID SHALL BE SHUNTED TO ALLOW FREE EGRESS. UPON FIRE ALARM SYSTEM RESET, OPERATION SHALL RETURN TO DESCRIPTION ABOVE.



**SYSTEM AC11 INTERIOR DOOR WITH CARD READER AND REX**

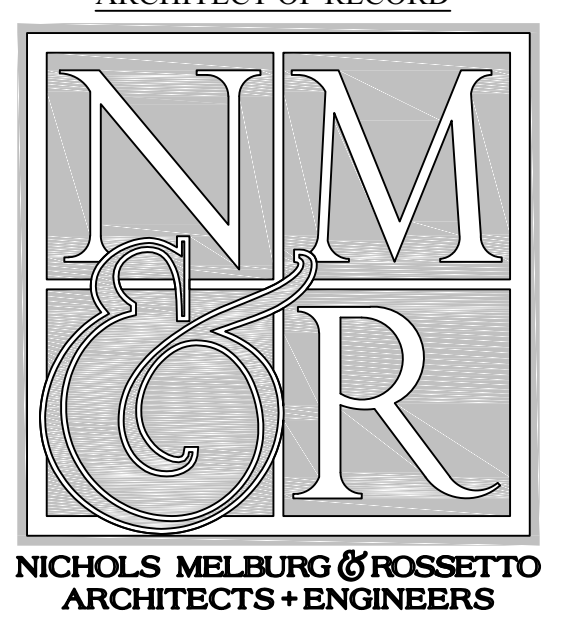
SCALE: NO SCALE

XREF: System AC10 Interior door with card reader and rex.dwg

OFFICE OF THE STATE FIRE MARSHAL  
APPROVED FIRE AND PANIC ONLY



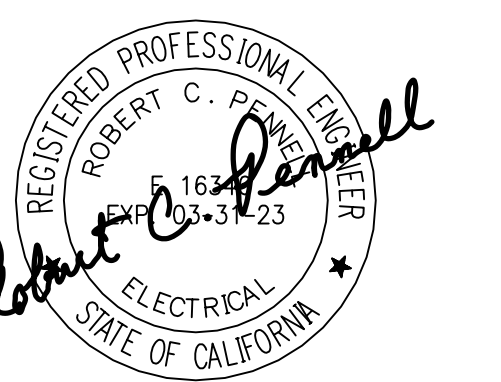
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**LIONAKIS**  
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DRAWING STATUS  
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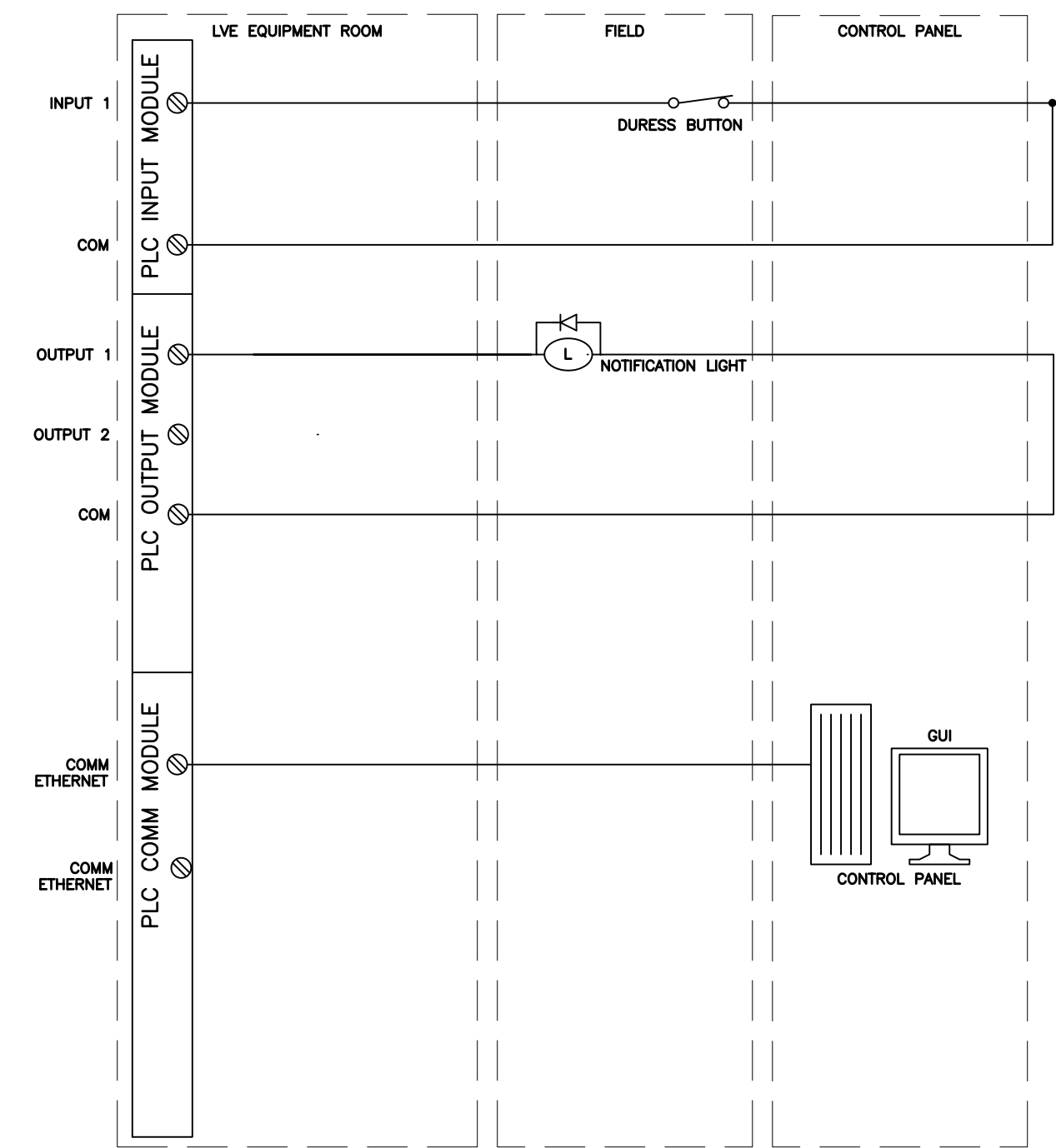
Delta	Description	Date

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Project No.	16-6421.00

SHEET No.  
**SE8.7 V4**

**SYSTEM OPERATION:**

WHEN A DURESS BUTTON IS PRESSED IN A LOCATION, THE CORRESPONDING INDICATION LIGHT ABOVE THE DOOR INTO THE ROOM WILL BE LIT FROM THE PLC/DOOR CONTROL SYSTEM. A VISIBLE AND AUDIBLE ALARM ON THE CONTROL PANEL WILL ALSO BE INITIATED SHOWING THE LOCATION OF THE ALARM ON THE FLOOR PLAN GRAPHIC, AS WELL AS A TEXT NAME OF THE ALARM IN THE QUEUE. THE ALARM CAN ONLY BE CLEARED ONCE THE FIELD DEVICE STATUS HAS BEEN RESET, AT WHICH TIME THE INDICATION LIGHT WILL NO LONGER BE LIT AND THE VISIBLE AND AUDIBLE ALARMS WILL BE SILENCED.



**1 SYSTEM C12 NOTIFICATION LIGHT**

SCALE: NO SCALE

XREF:

**SYSTEM OPERATION:**

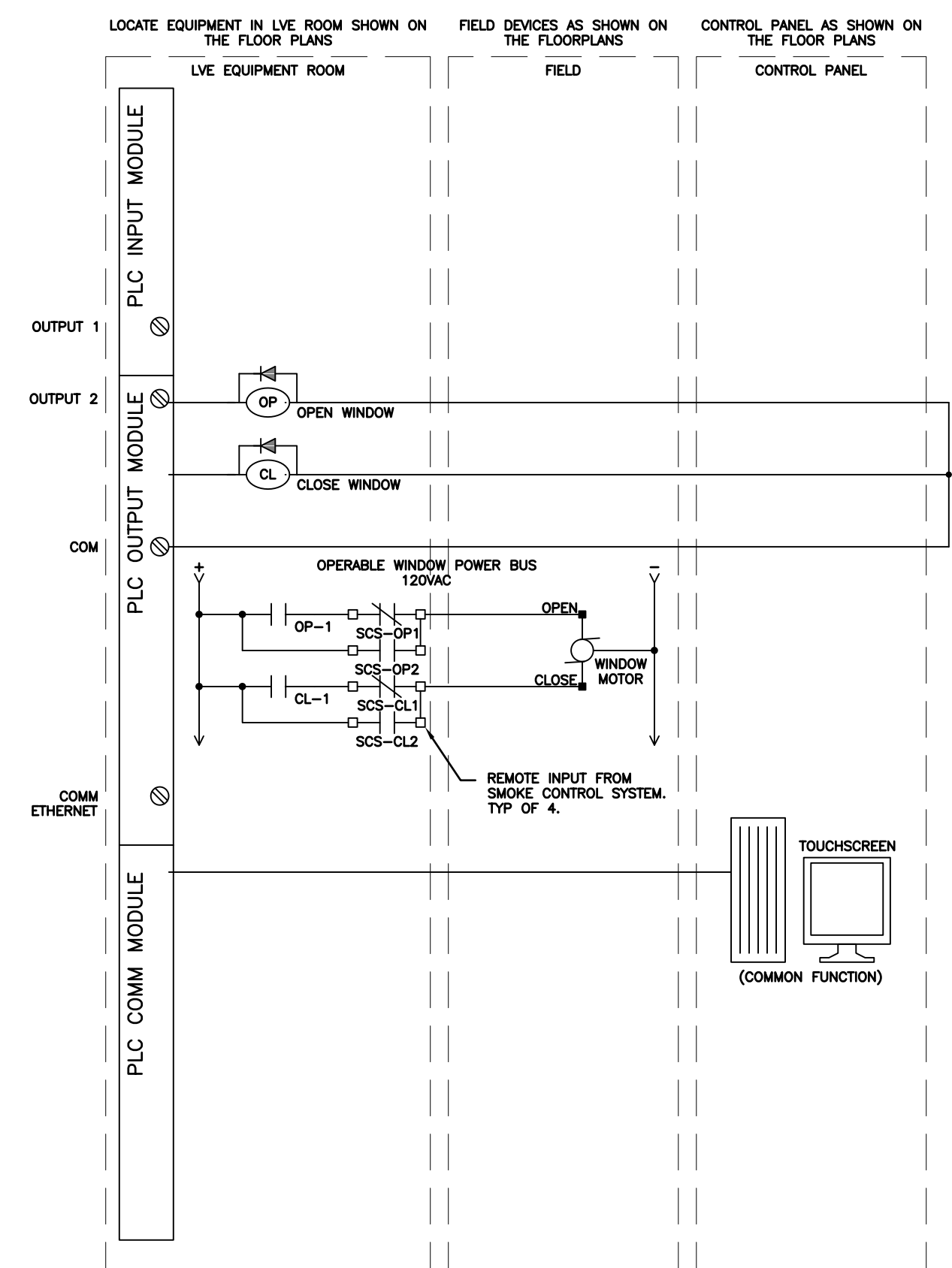
THE WINDOW MAY BE OPENED BY DEPRESSING THE OPEN ICON WHICH SHALL START THE WINDOW MOTOR TO OPEN. DEPRESSING THE STOP ICON WHILE THE WINDOW IS OPENING WILL STOP THE WINDOW FROM FULLY OPENING.

THE WINDOW MAY BE CLOSED BY DEPRESSING THE CLOSE ICON WHICH SHALL START THE WINDOW MOTOR TO CLOSE. DEPRESSING THE STOP ICON WHILE THE WINDOW IS CLOSING WILL STOP THE WINDOW FROM FULLY CLOSING.

AN INPUT FROM THE SMOKE CONTROL/DDC SYSTEM WILL OVERRIDE THE TOUCHSCREEN FUNCTIONS.

TWO N.O. AND TWO N.C. CONTACTS PER WINDOW OPERATOR SHALL BE INCORPORATED INTO THE TOUCHSCREEN CONTROL / PLC CONTROL SYSTEM.

SECURITY ELECTRONICS INTEGRATOR SHALL PROVIDE A 24VDC, 0.9A POWER SUPPLY (MINIMUM) FOR EACH OPERATOR, LOCATION TBD BY INTEGRATOR.



**2 SYSTEM K7 OPERABLE WINDOW CONTROL**

SCALE: NO SCALE

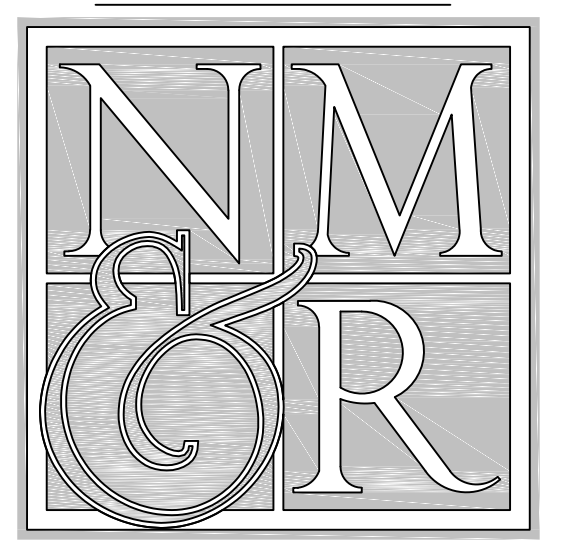
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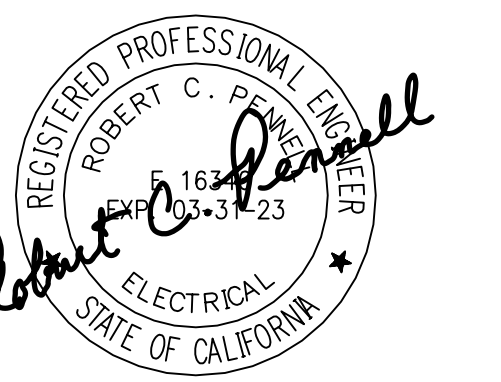
CONSULTING ARCHITECT



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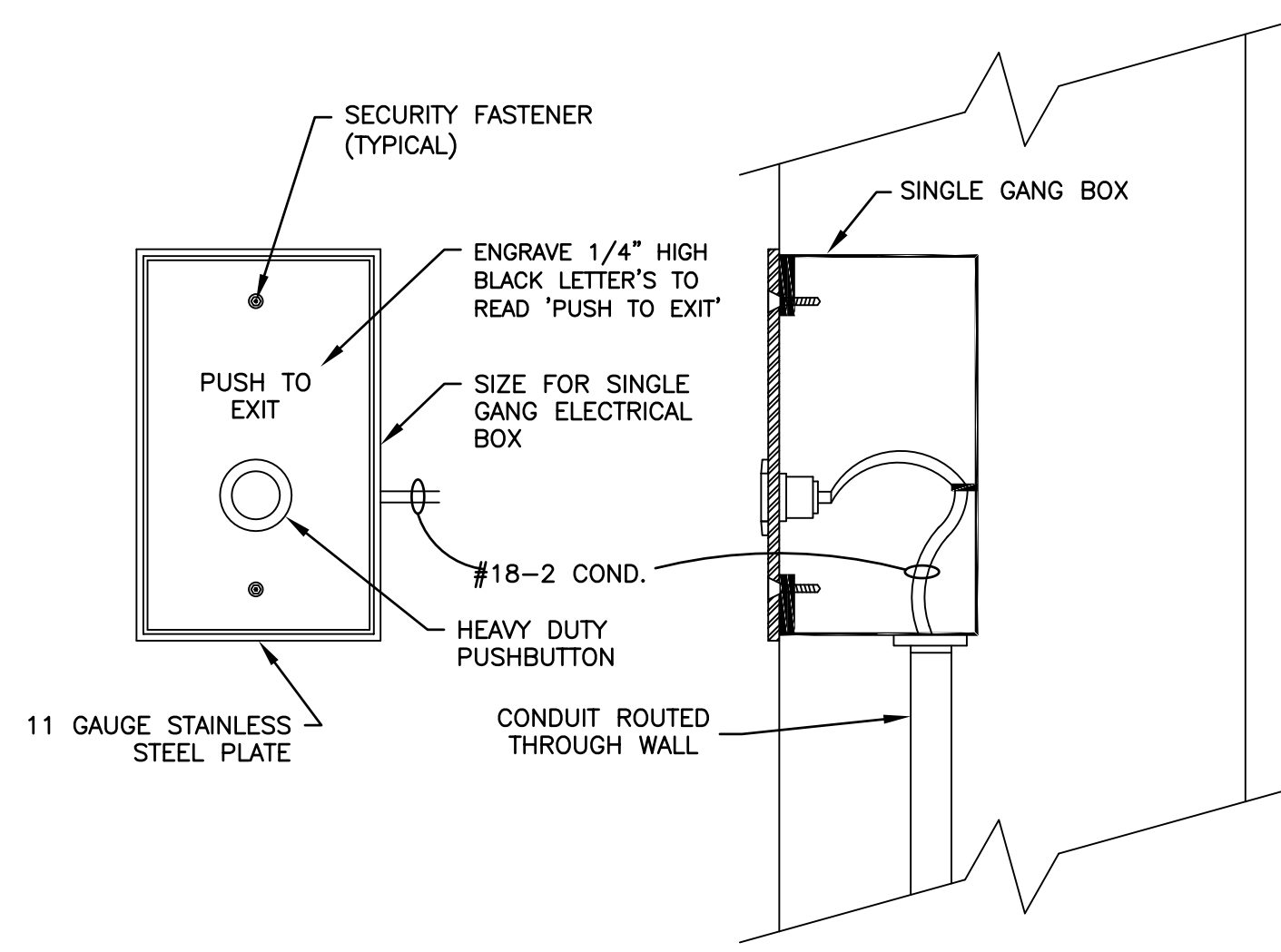
REVISIONS

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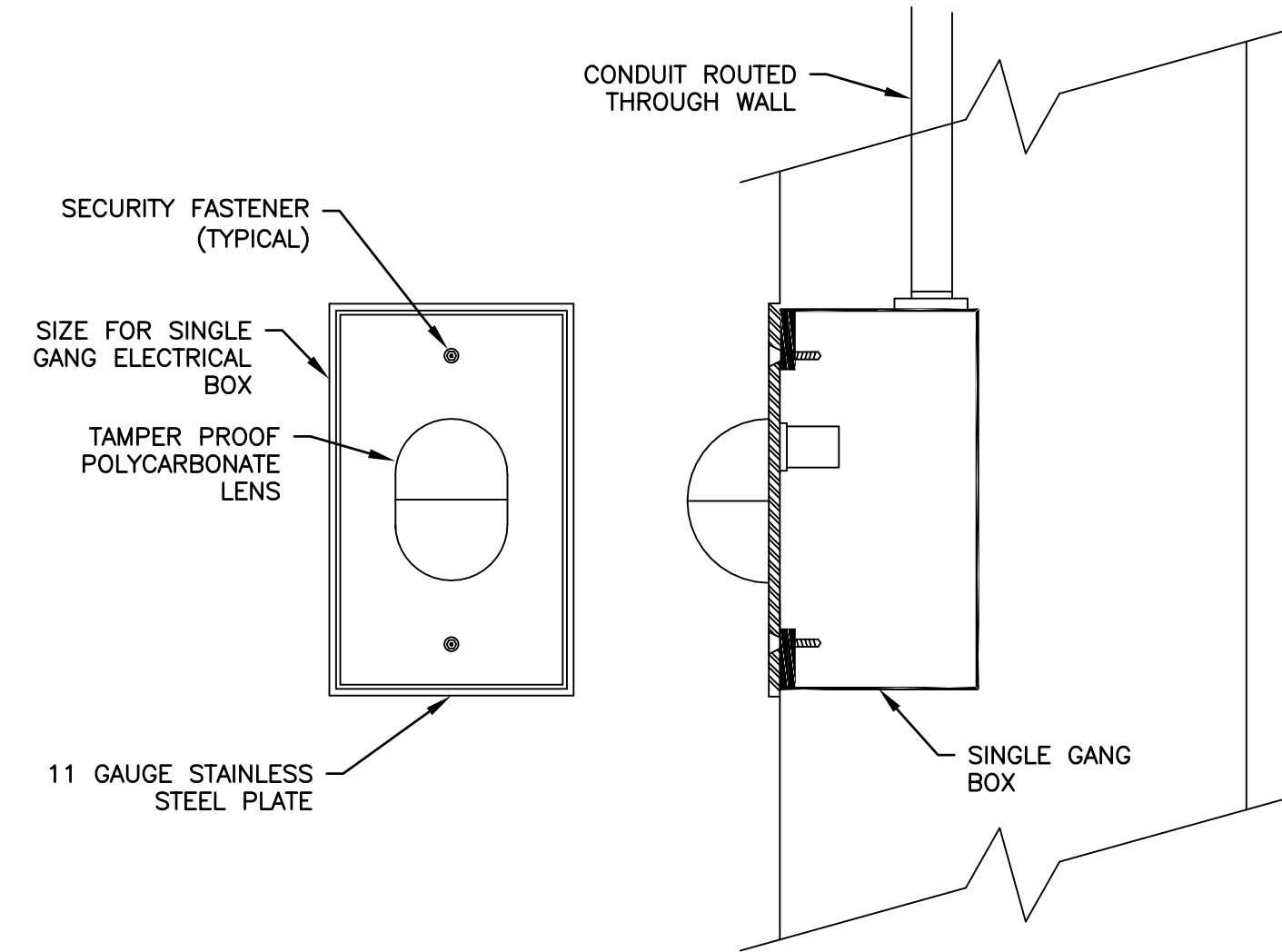
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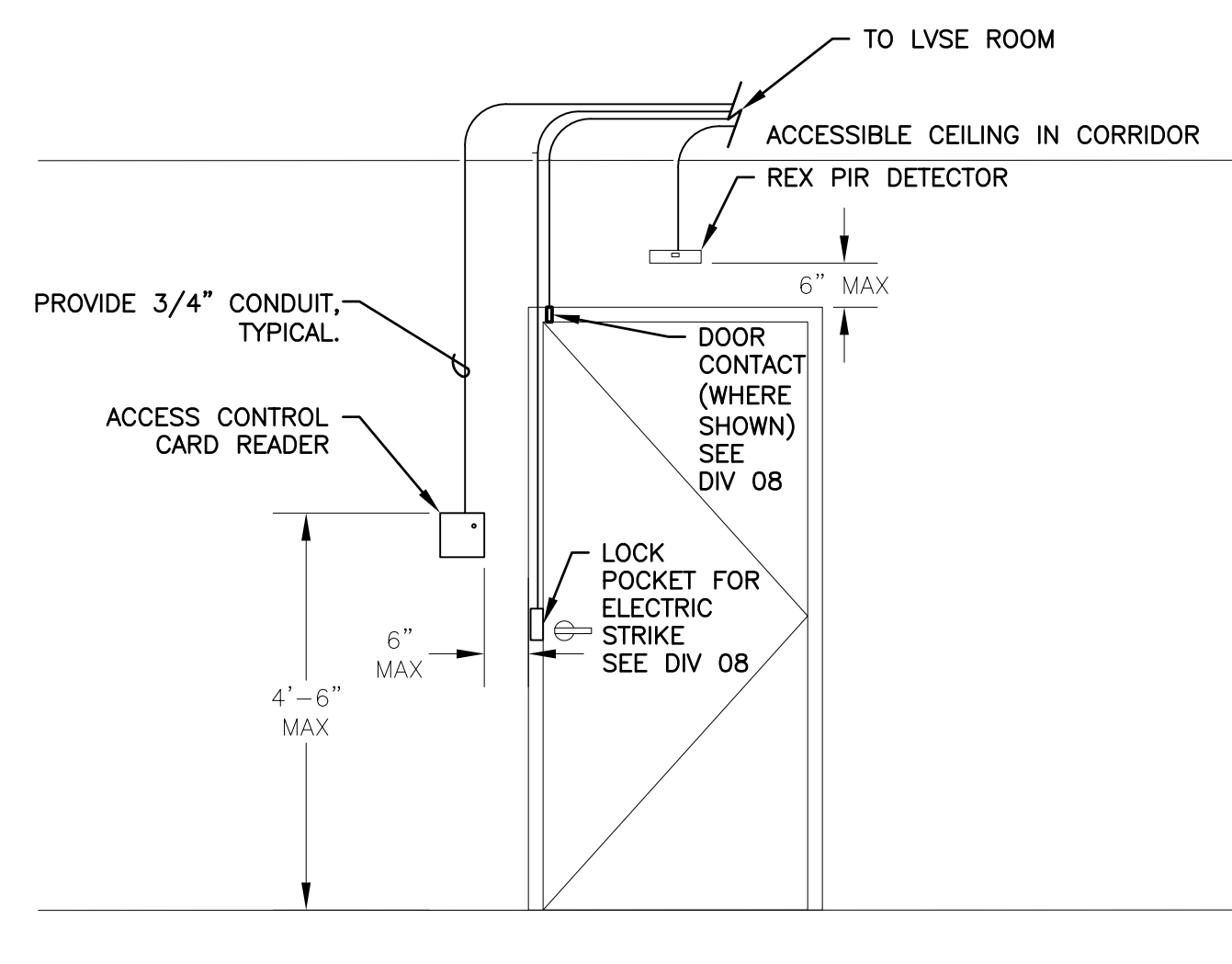
**SE8.8 V4**



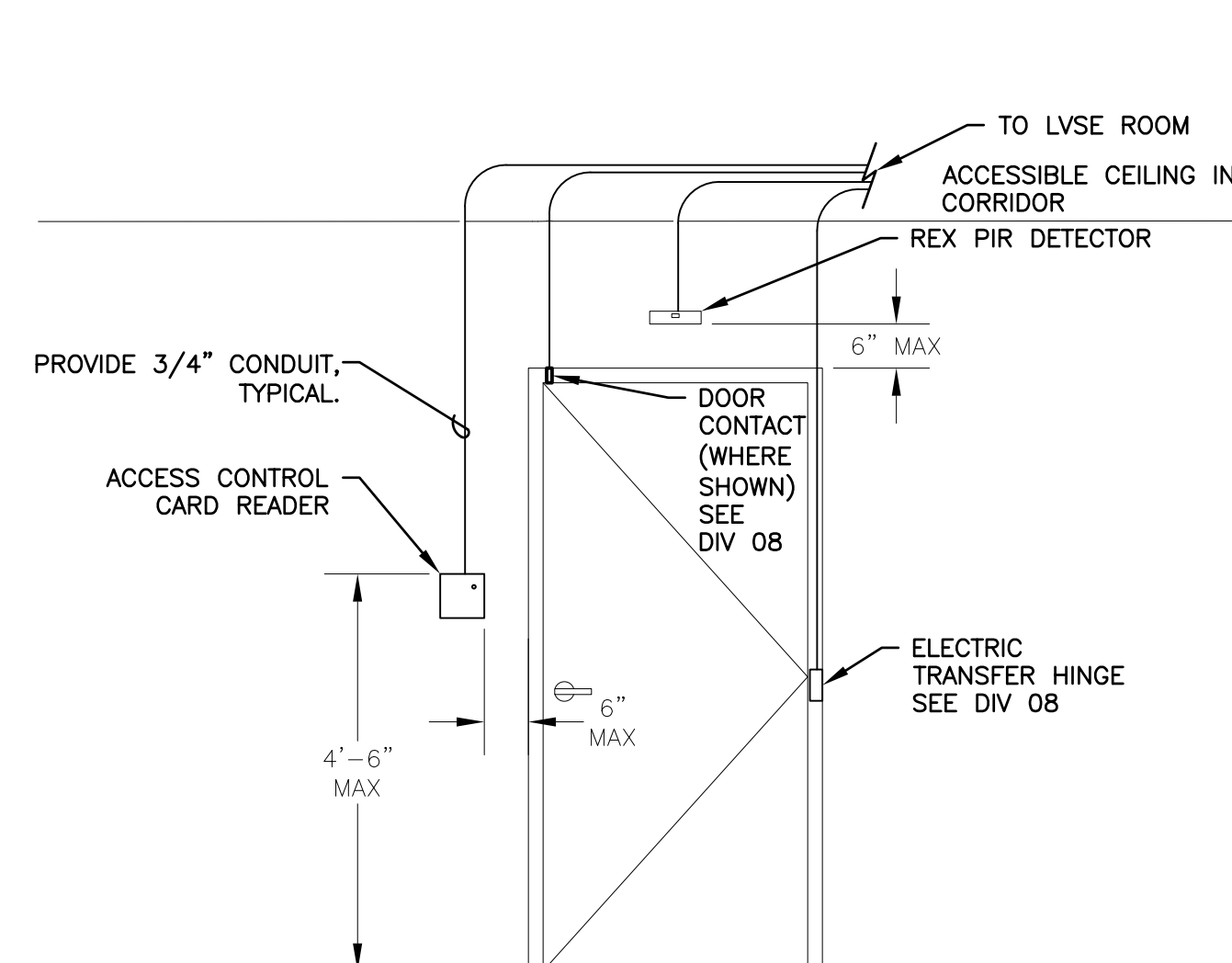
**13** CALL PUSHBUTTON / DOOR RELEASE PUSHBUTTON DETAIL  
SCALE: NO SCALE XREF: x-Cal\_PB\_Door\_Release\_PB.dwg



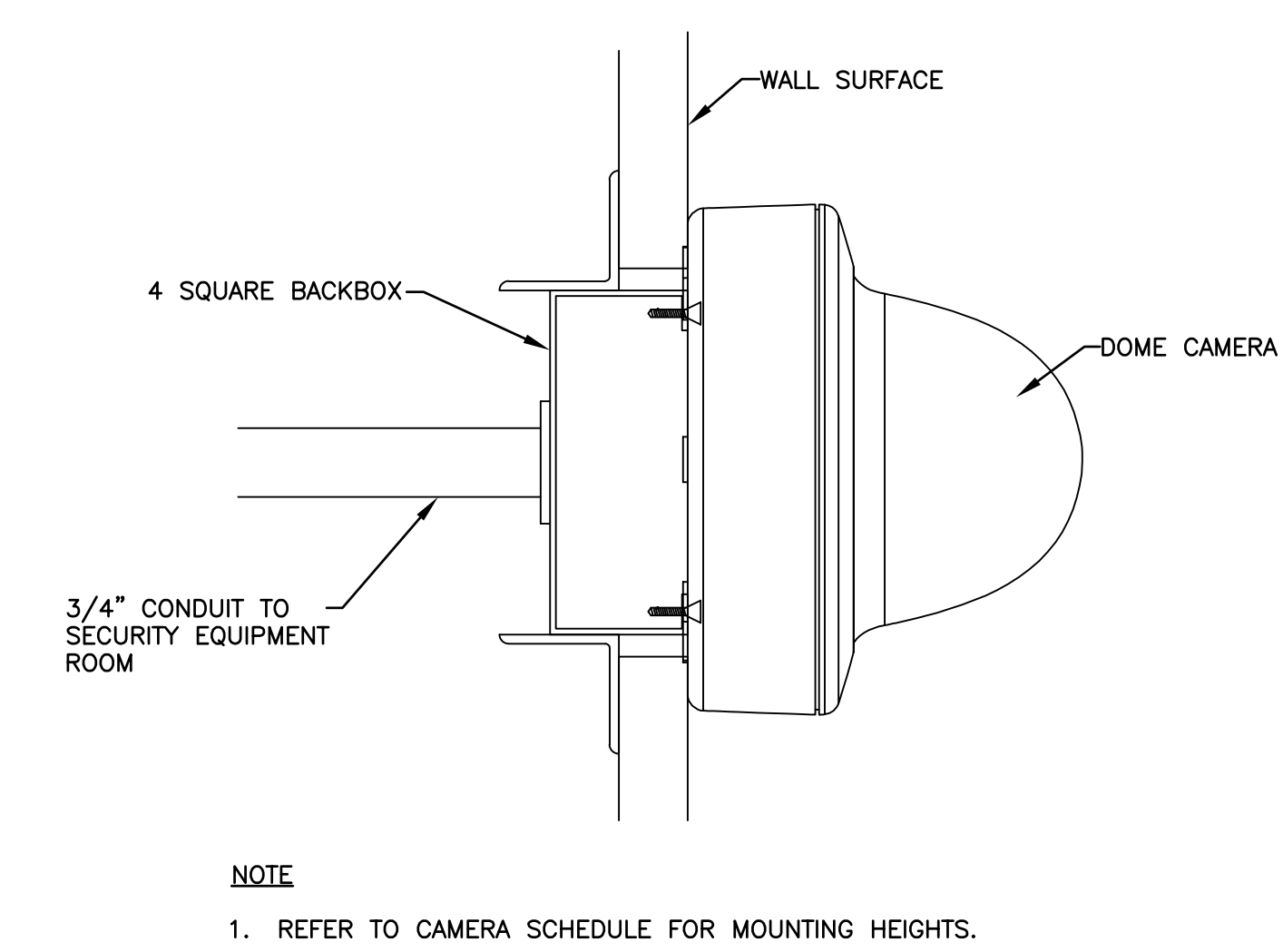
**14** DOOR INDICATION LIGHT DETAIL (TYP.)  
SCALE: NO SCALE XREF: x-Door\_Indication\_Light.dwg



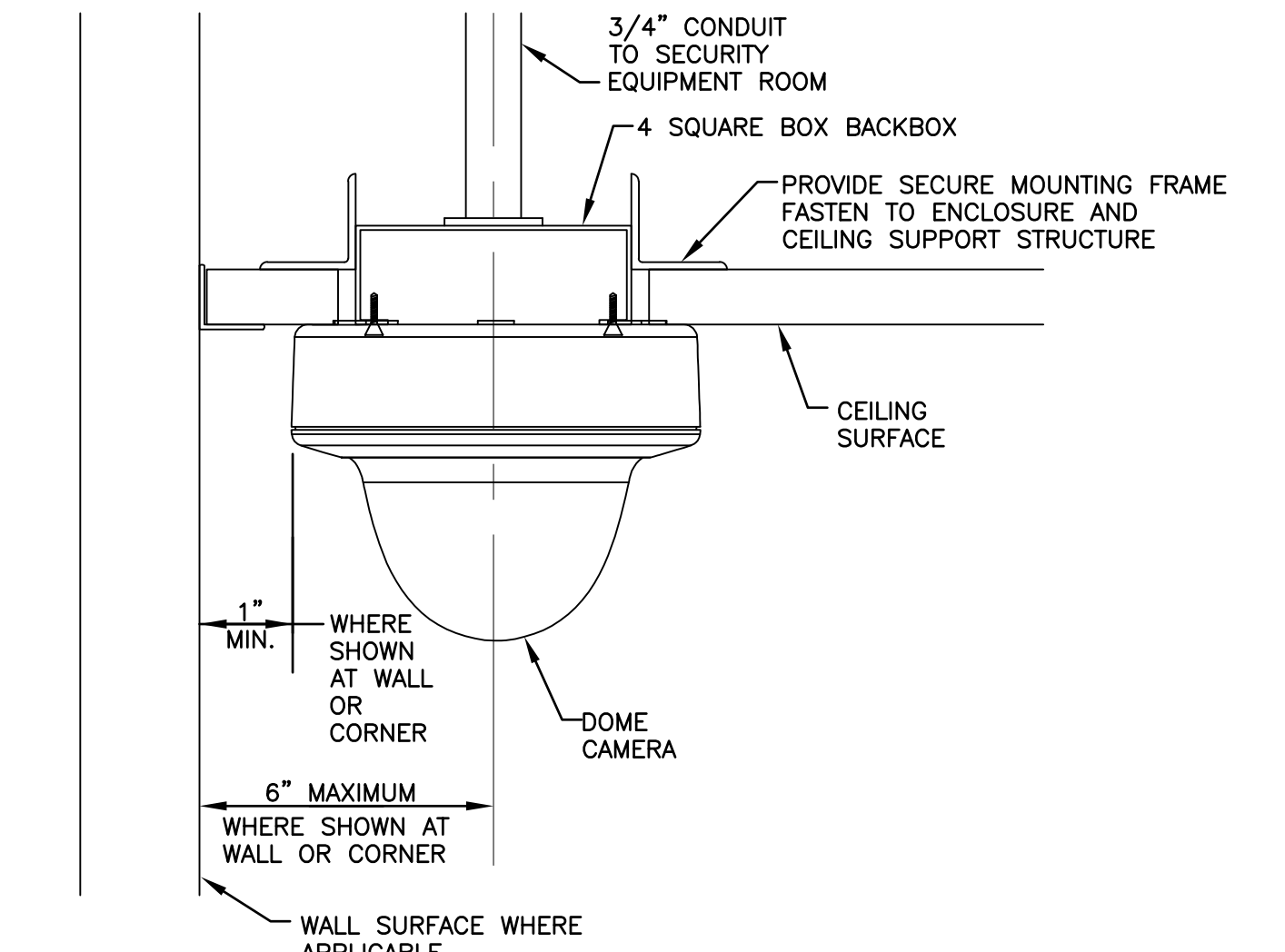
**9** TYPICAL ACCESS CONTROL DOOR CONDUIT DIAGRAM  
SCALE: NO SCALE XREF: x-sec\_elev\_conduit.dwg



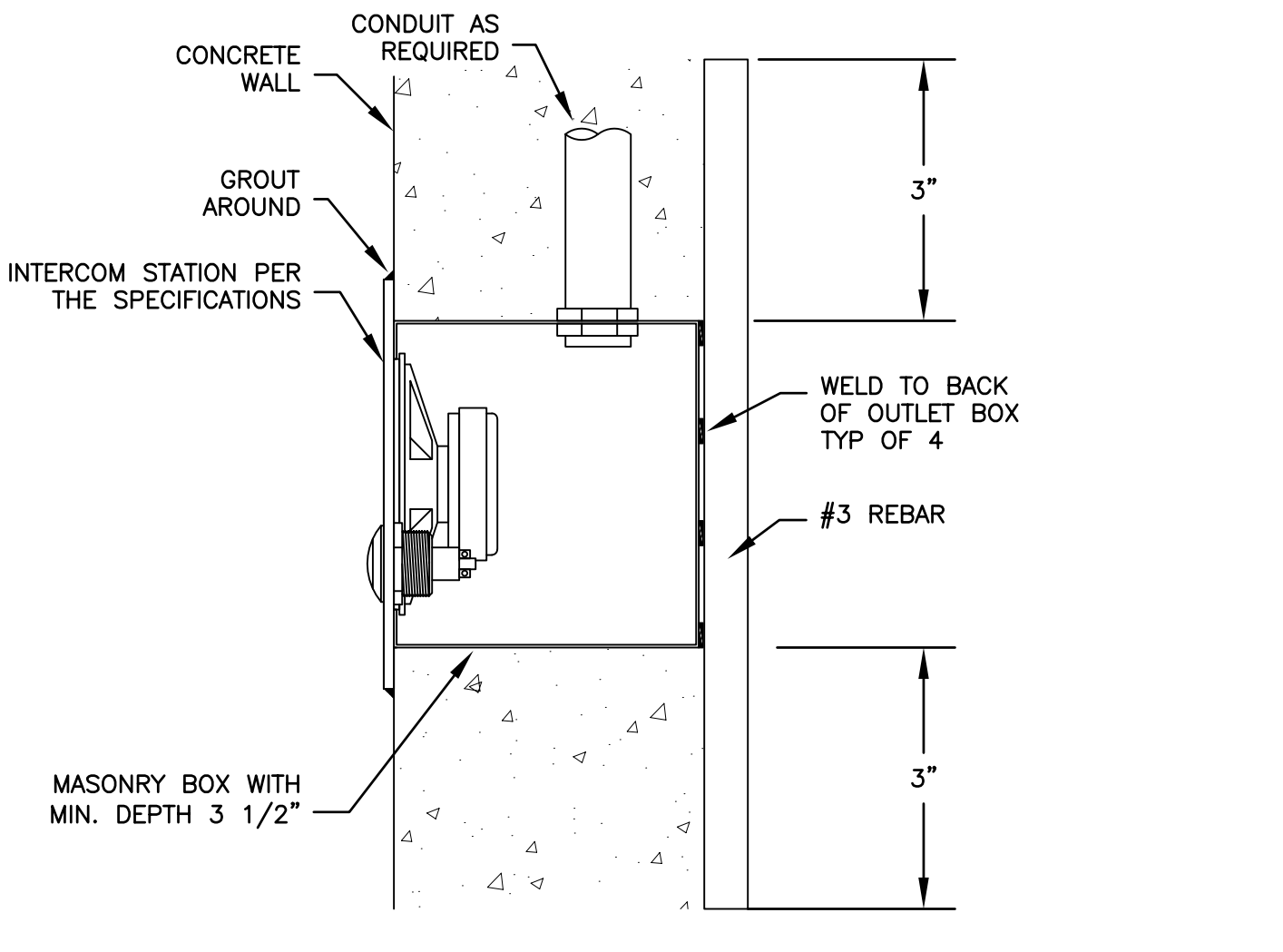
**10** TYPICAL ACCESS CONTROL DOOR CONDUIT DIAGRAM  
SCALE: NO SCALE XREF: x-sec\_elev\_conduit.dwg



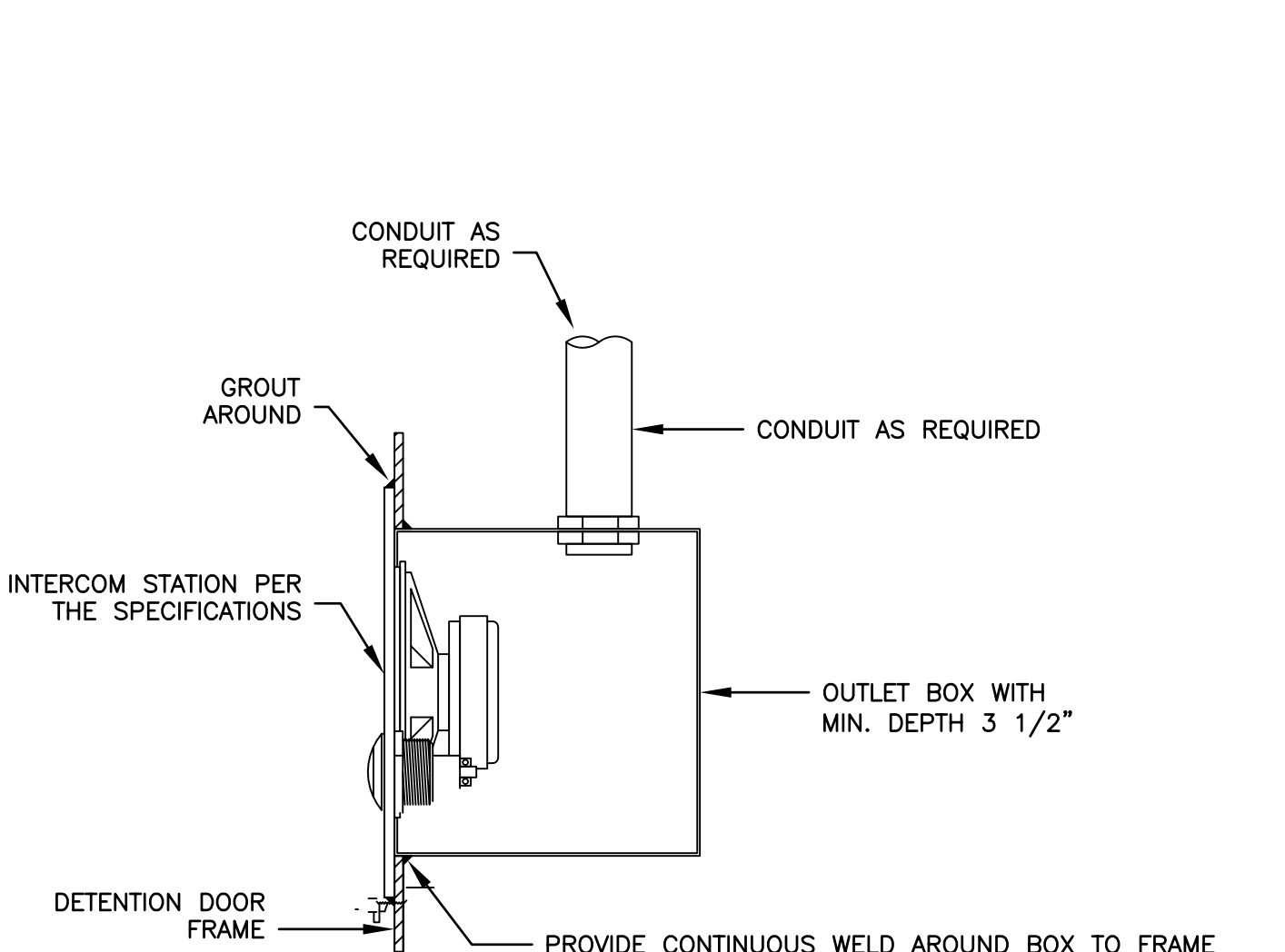
**5** SURFACE WALL MOUNTED FIXED CAMERA DETAIL  
SCALE: NO SCALE XREF: x-surf\_wal\_mount\_fixed\_camera.dwg



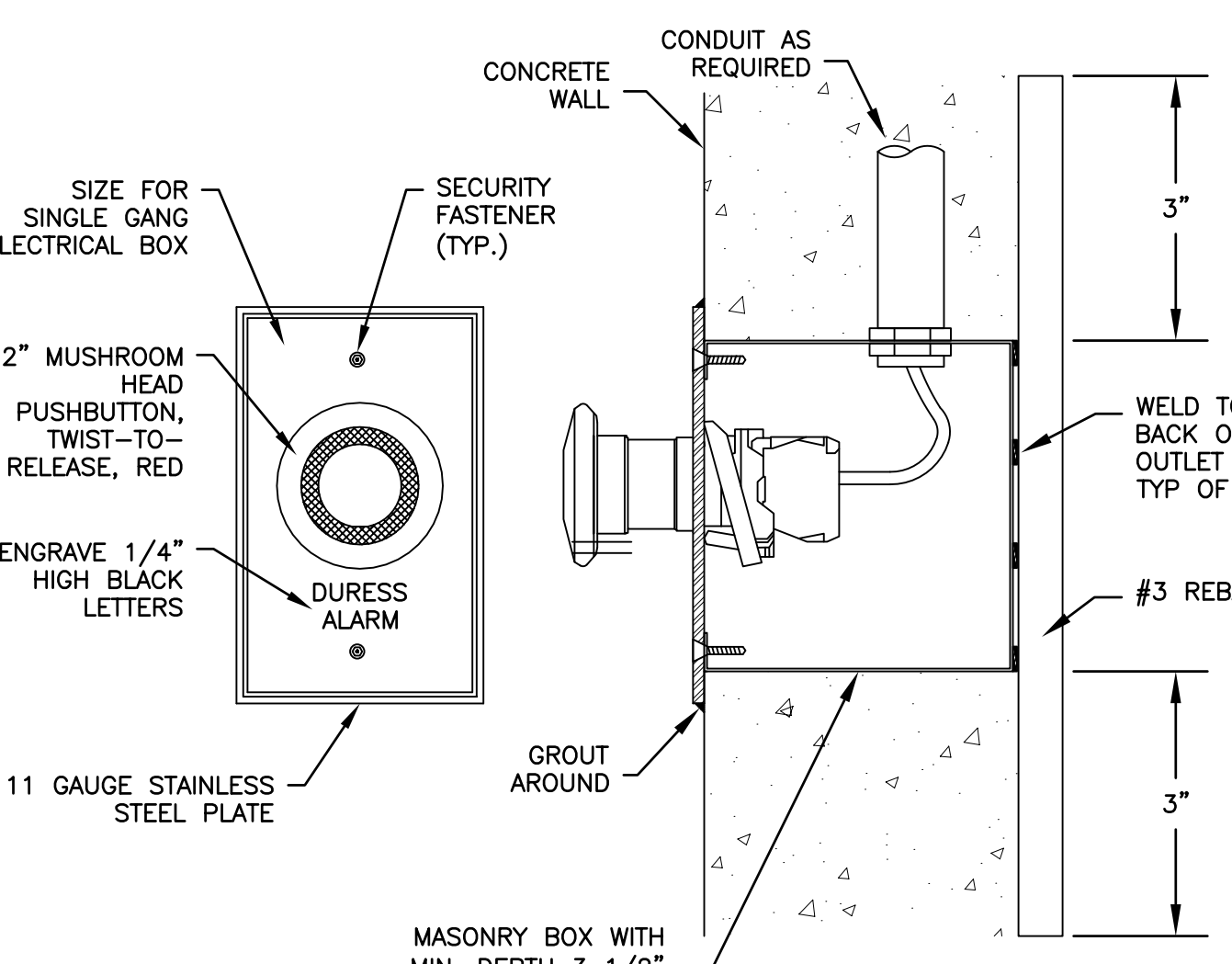
**6** RECESSED CEILING MOUNTED FIXED CAMERA DETAIL  
SCALE: NO SCALE XREF: x-recessed\_ceiling\_mounted\_fixed\_camera.dwg



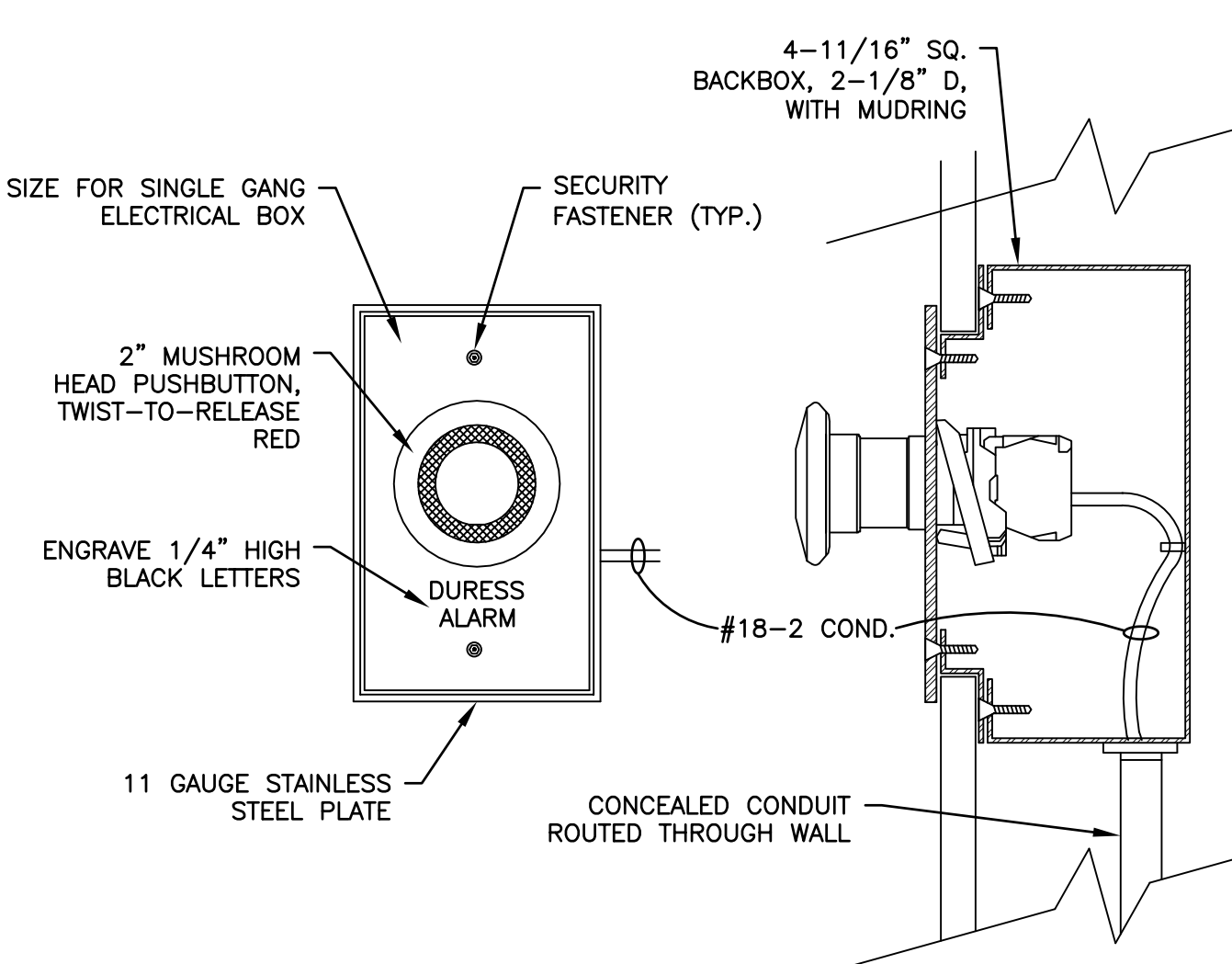
**1** TYPICAL FLUSH WALL MOUNTED INTERCOM STATION  
SCALE: NO SCALE XREF: x-FLUSH\_INTERCOM\_WALL\_MOUNT.dwg



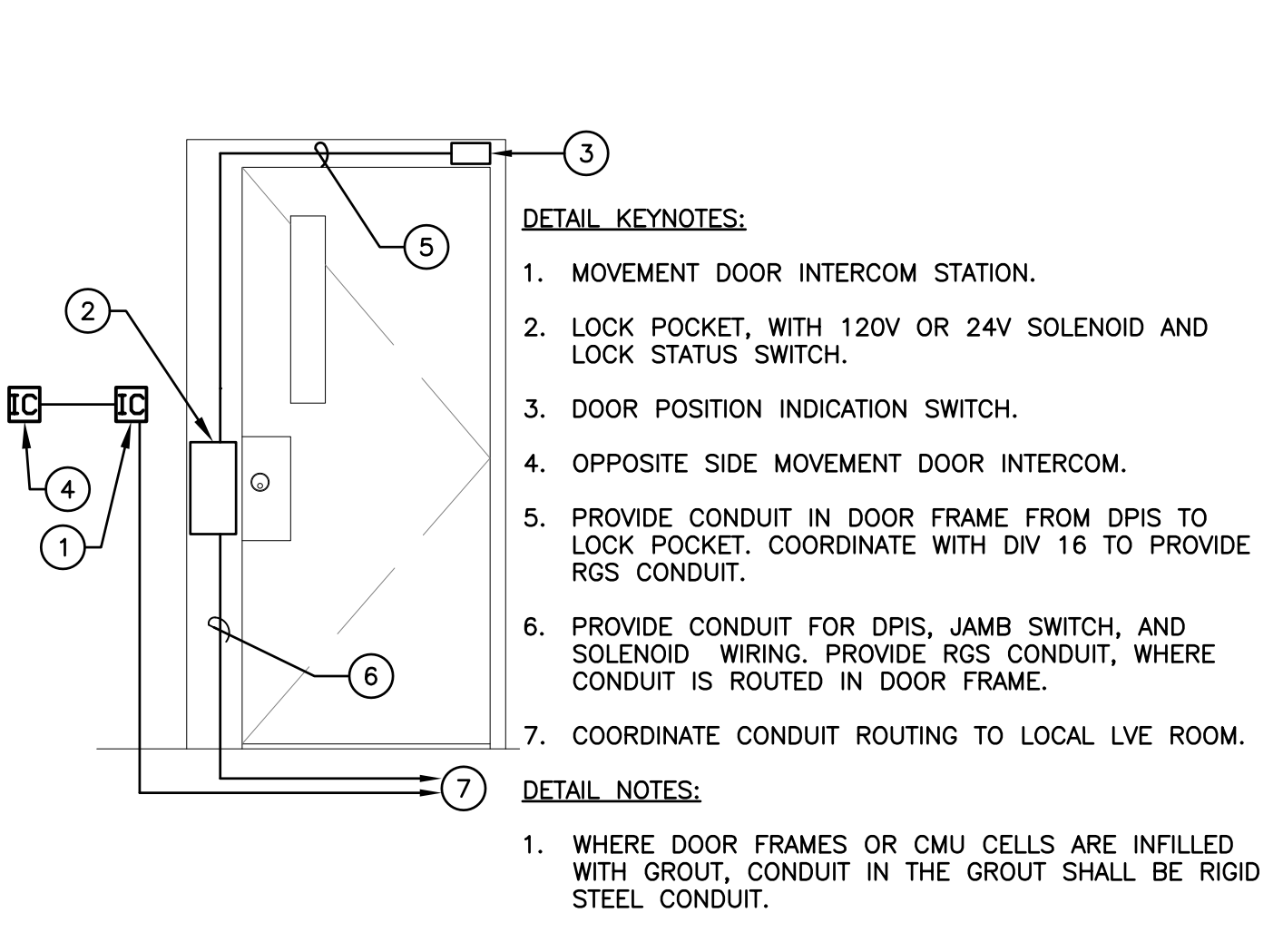
**2** TYPICAL FLUSH FRAME MOUNTED INTERCOM STATION  
SCALE: NO SCALE XREF: x-FLUSH\_INTERCOM\_FRAME\_MOUNT.dwg



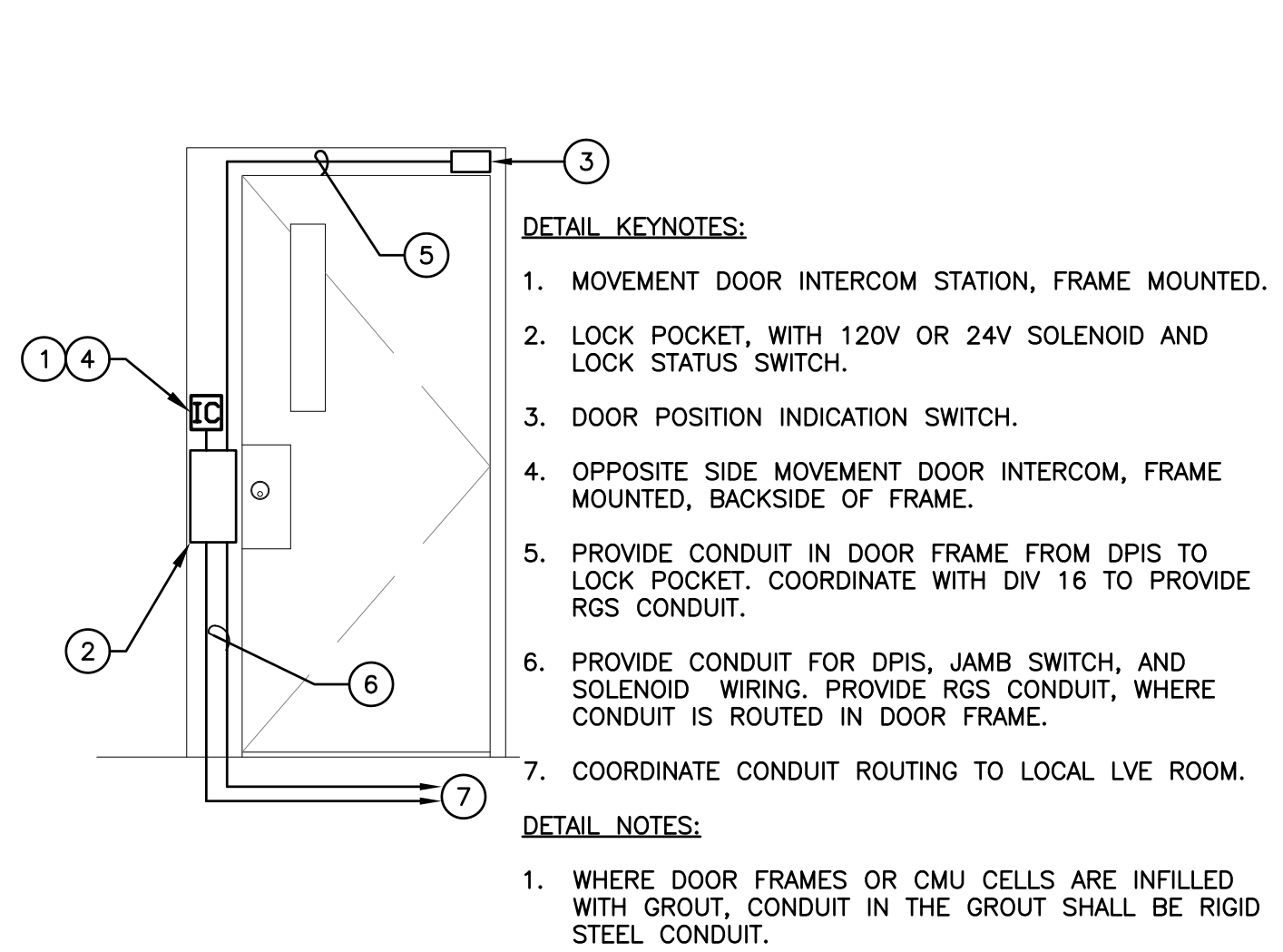
**11** CMU WALL MOUNTED DURESS PUSHBUTTON DETAIL  
SCALE: NO SCALE XREF: x-Duress\_Pushbutton\_CMU\_Wall\_Mount.dwg



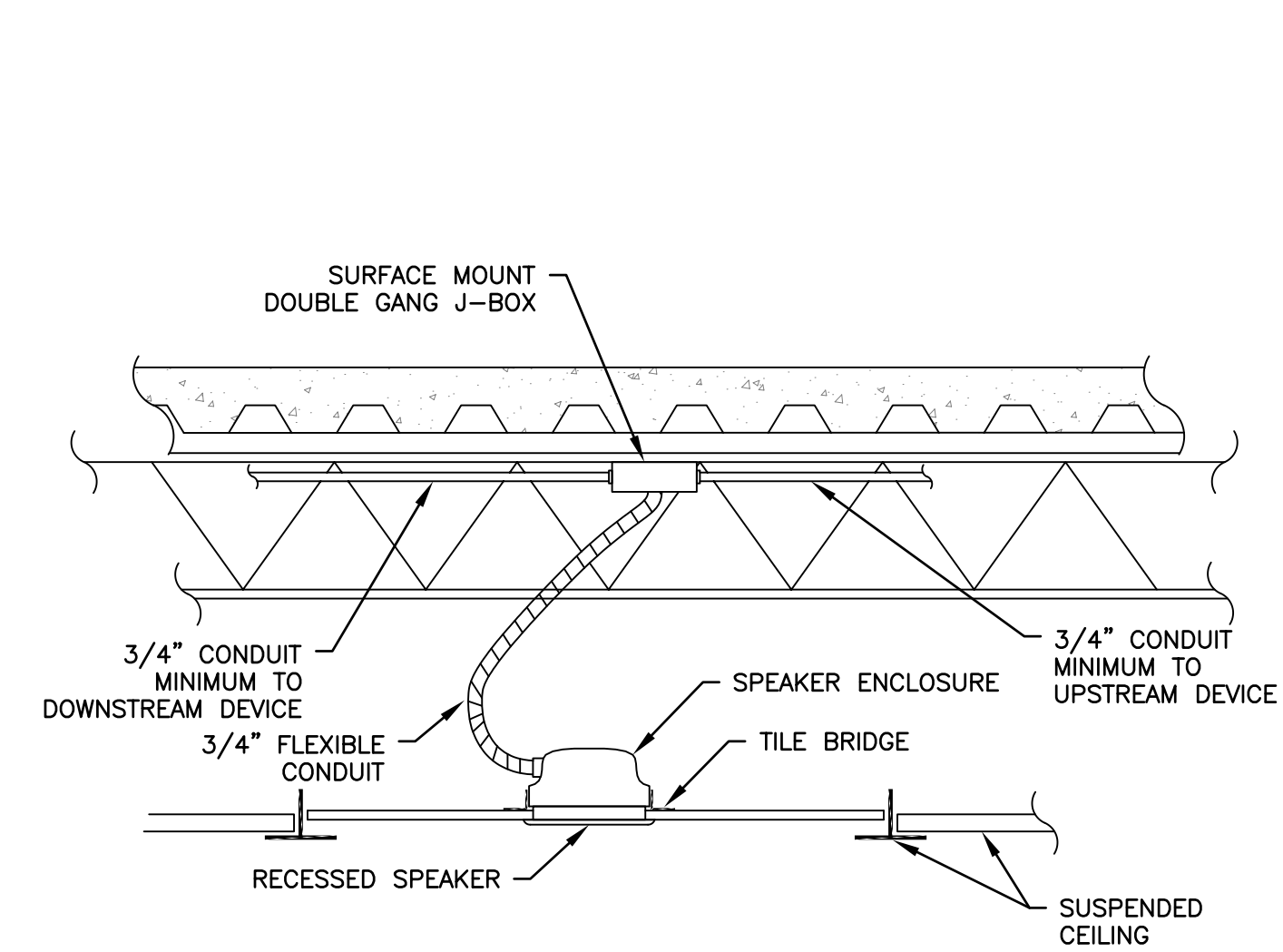
**12** DURESS PUSHBUTTON DETAIL (TYP.)  
SCALE: NO SCALE XREF: x-Duress\_Pushbutton\_Opp\_Wall\_Mount.dwg



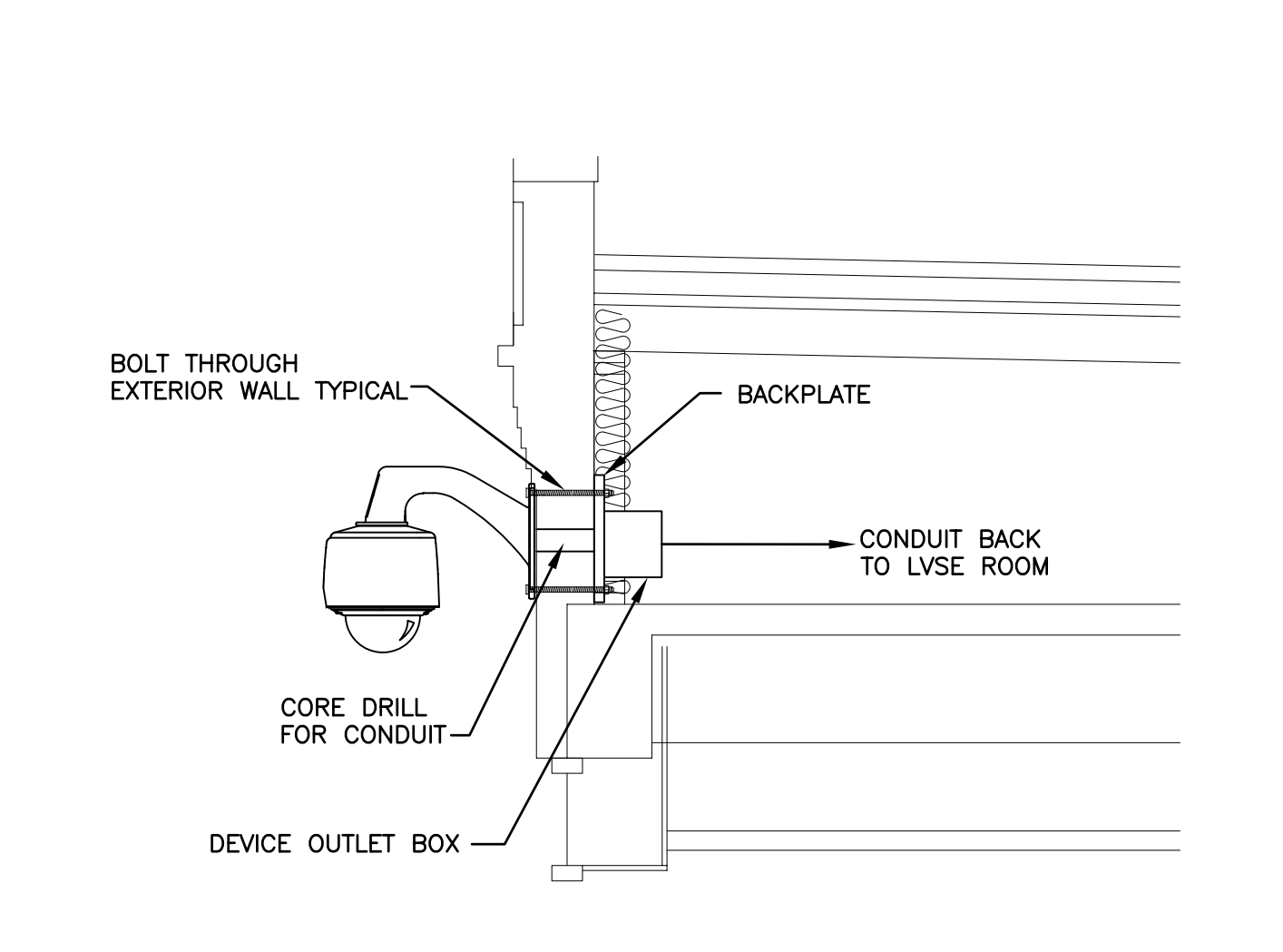
**7** TYP MOVEMENT DOOR LV CONDUIT ROUTING ELEVATION  
SCALE: NO SCALE XREF: x-LVCONDUIT\_ROUTE\_IN\_MOVEMENT\_DR\_1.DWG



**8** TYP MOVEMENT DOOR LV CONDUIT ROUTING ELEVATION  
SCALE: NO SCALE XREF: x-LVCONDUIT\_ROUTE\_IN\_MOVEMENT\_DR\_2.DWG



**3** TYPICAL SUSPENDED CEILING INTERIOR PAGING SPEAKER  
SCALE: NO SCALE XREF: x-recessed\_int\_speak\_instal\_susp\_ceiling.dwg



**4** EXTERIOR CCTV CAMERA PARAPET MOUNTING DETAIL  
SCALE: NO SCALE XREF: x-ecv\_camera\_parapet\_mounting\_detail.dwg

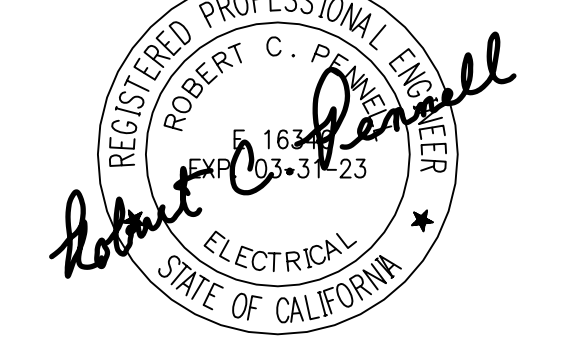


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