

SECTION 26 27 26 WIRING DEVICES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of this Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes:
 1. Wiring devices.
- B. Related Sections:
 1. Section 26 05 00: Common Work Results for Electrical.
 2. Section 26 05 19: Low-Voltage Electrical Power Conductors and Cables.
 3. Section 26 05 26: Grounding and Bonding for Electrical Systems.
 4. Section 26 05 33: Raceway and Boxes for Electrical Systems.

PART 2 PRODUCTS

2.1 RECEPTACLES

- A. General - All receptacles shall be listed by Underwriters Laboratories, Inc.
 1. Mounting straps shall be plated steel, with break-off plaster ears and shall include a self-grounding feature (this feature does not substitute for a grounding conductor terminated on grounding strap of device). Terminal screws shall be brass, brass plated or a copper alloy metal.
 2. Receptacles shall be of a screw terminal type, "pressure type quick wire" terminations are not allowed.
- B. Duplex receptacles shall be premium specification grade single phase, 20 ampere, 120 volts, 2-pole, 3-wire, and conform to the NEMA 5-20R configuration in NEMA WD 6. The duplex type shall have bussing break-off feature for two-circuit operation. The ungrounded pole of each receptacle shall be provided with a separate terminal.
 1. Wiring device color shall be standard white. Contractor to verify device color with Architect prior to procurement.
 2. Ground Fault Interrupter Duplex Receptacles - Shall be an integral unit suitable for mounting in a standard outlet box.
 - a. Ground fault interrupter shall be commercial grade and consist of a differential current transformer, solid state sensing circuitry and a circuit interrupter switch. It shall be rated for operation on a 60 Hz, 120 volt, 20-ampere branch circuit. Device shall meet CEC requirements. Device shall have a minimum nominal tripping time of 1/30th of a second. Devices shall meet UL 943.
- C. Receptacles: 20, 30 and 50 ampere, 250 volts; Shall be complete and match with appropriate cord grip plug. Devices shall meet UL 231.
- D. Weatherproof Receptacles: Shall consist of a listed weather resistant duplex receptacle, mounted in box with a gasketed, while in use weatherproof, cast metal cover plate and cap receptacle opening. The cap shall be permanently attached to the cover plate by a spring-hinged flap. Approved manufacturers: Intermatic WP10 Series, Thomas & Beta/Red Dot 2CX Series, or engineer approved equal.

WIRING DEVICES
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- E. Approved receptacles are Hubbell HBL5352 Series, and Hubbell GF20, GF31 Series.

2.2 SWITCHES

- A. Toggle switches shall be totally enclosed tumbler type with bodies of phenolic compound. Toggle handles color to match receptacle device color unless otherwise specified. Approved toggle switch is Hubbell SB120.
 1. Shall be single unit toggle, butt contact, quiet AC type, heavy-duty general-purpose use with an integral self-grounding mounting strap with break-off plaster ears and be of a screw terminal type.
 2. Shall be color coded for current rating, listed by Underwriters Laboratories, Inc., and meet the requirements of NEMA WD 1, Heavy-Duty and UL 20.
 3. Ratings:
 - a. 120 volt circuits: 20 amperes at 120-277 volts AC.
 - b. 277 volt circuits: 20 amperes at 277 volts AC.
 4. The switches shall be mounted on the strike plate side of doors.
 5. Incorporate barriers between switches with multi-gang outlet boxes where required by the CEC.
 6. All toggle switches shall be of the same manufacturer.
 7. Key lockable switches shall be Hubbell HBL122 Series.

2.3 WALL PLATES

- A. Wall plates for switches and receptacles shall be type 302 stainless steel.
- B. Standard NEMA design, so that products of different manufacturers will be interchangeable. Dimensions for openings in wall plates shall be accordance with NEMA WD1.
- C. For receptacles or switches ganged together, wall plates shall be a single ganged plate.
- D. Wall plates for data, telephone or other communication outlets shall be as specified in the associated specification.
- E. Surface mounted boxes, NEMA1, shall be industrial grade raised galvanized steel covers. In shop areas, all receptacles shall be dust proof and or waterproof where applicable.
- F. Waterproof device covers shall be cast iron, 4-corner screw type, for FS and FD type mounting. Device covers shall be zinc galvanized finish. Weatherproof covers shall be lockable.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Installation shall be in accordance with the CEC, NECA "Standard of Installation", and as shown as on the drawings.
- B. Ground terminal of each receptacle shall be bonded to the outlet box with an approved green bonding jumper, and also be connected to the green equipment grounding conductor.
- C. General: Devices shall be of the type specified herein. All devices shall be installed with "pigtailed" leads from the outlet box. No device shall be used in the "feed through" application. Screw terminals shall be used to connect all devices to the circuit and shall be grounded by means of a ground wire where grounding terminals are provided in the device.

WIRING DEVICES
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- D. Installation: Devices and plates shall be installed in a "plumb" condition and must be flush with the finish surface of the wall where boxes are recessed.

- E. Mounting heights: All control and convenience devices shall comply with California Code of Regulations Title 24 and ADA with respect to accessibility requirements. Mounting heights indicated on plans shall have precedence.
- F. Install switches with the off position down.
- G. Clean debris from outlet boxes.

- H. Provide extension rings as required to bring outlet boxes flush with finished surface or casework.

- I. Test each receptacle device for proper polarity.

END OF SECTION 26 27 26

WIRING DEVICES
26 27 26 - 3

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PROJECT ADDRESS:
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DSA APPL. NO.: XXXX DSA FILE NO.: XXXX

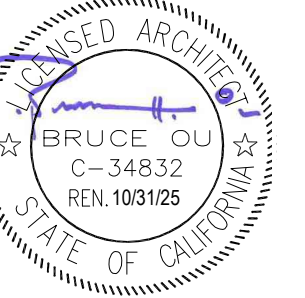


NORTH TRUE

Consultant



Architect



CLIENT

TUSD

DATE xxxxx PROJECT NUMBER 230380

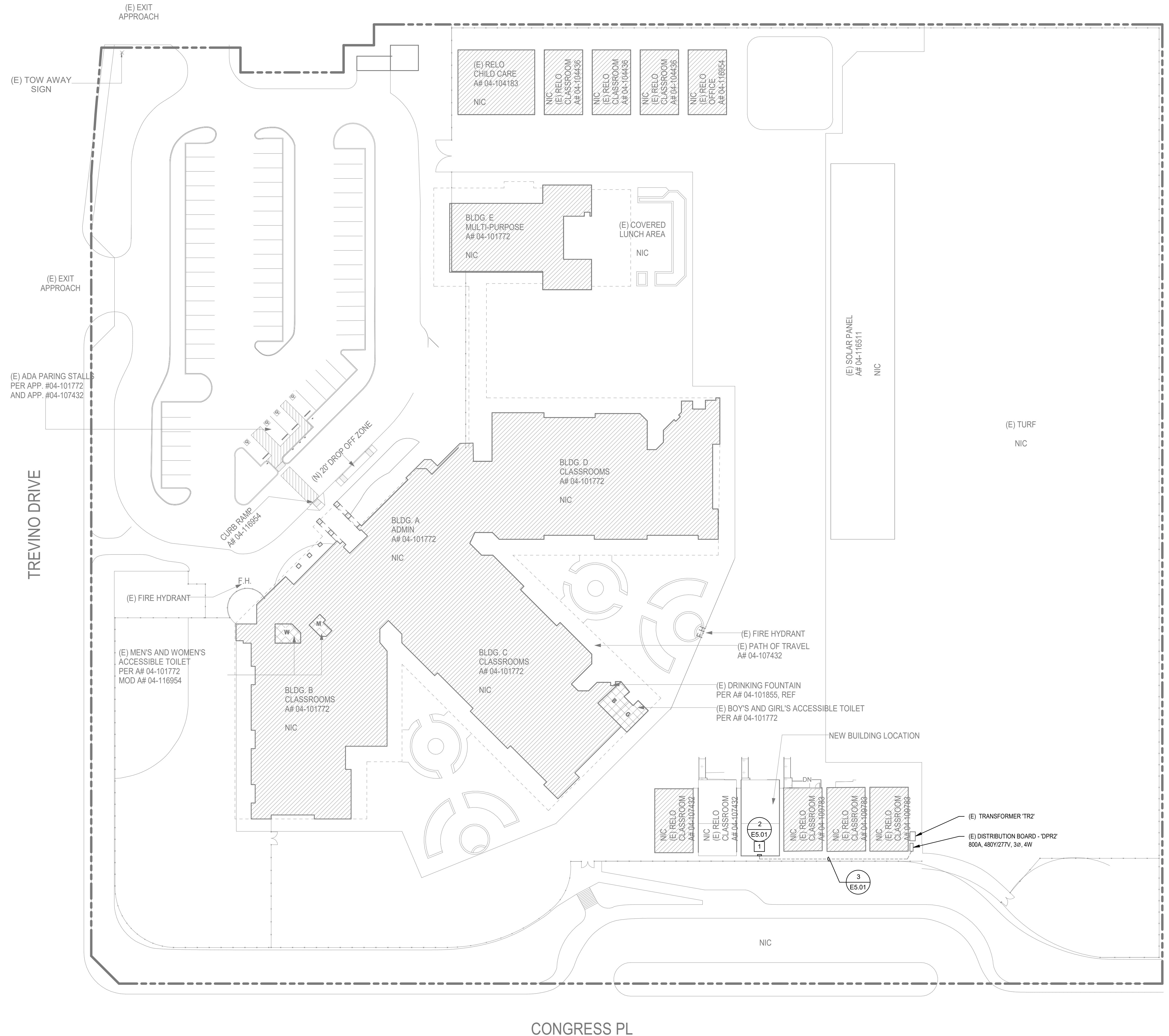
REVISIONS

No.	Description	Date

ELECTRICAL SPECS

E0.04

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GENERAL NOTES

1. ELECTRICAL ENGINEERING FOR THIS PROJECT IS BASED ON EXISTING DRAWINGS OF THE ELECTRICAL SYSTEM. IN CASE OF ANY DISCREPANCIES WITH EXISTING FIELD CONDITIONS, ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT DIFFERENCES AND NOTIFY THE ELECTRICAL ENGINEER FOR POSSIBLE REVISION TO THESE DOCUMENTS.
2. COORDINATE ROUTING FOR ALL UNDERGROUND ELECTRICAL BRANCH CIRCUITS AND FEEDERS WITH OTHER DISCIPLINES PRIOR TO TRENCHING.
3. UNLESS NOTED OTHERWISE, ALL UNDERGROUND CONDUIT SHOWN ON THIS PLAN TO BE MINIMUM 1" IN SIZE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY INSTALLATION OF NEW WORK.
5. ALL PANELBOARDS ARE PRE-INSTALLED BY PORTABLE MANUFACTURER. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND QUANTITY PRIOR TO ROUGH-IN.
6. PATHWAY IS APPROXIMATE. CONTRACTOR SHALL VERIFY PROPER PATHWAY PRIOR TO INSTALLATION.
7. REFER TO SINGLE LINE DIAGRAM ON 4/E5.01 FOR FEEDER SIZING.

KEY NOTES

- 1 100A, 120/208V, 3PH, 4W PANEL TO BE PROVIDED WITH NEW PORTABLE BUILDING. PANEL TO BE FED AS SHOWN IN SINGLE LINE DIAGRAM ON SHEET E5.01. CONTRACTOR TO FIELD VERIFY CIRCUITS ARE OPEN TO USE.

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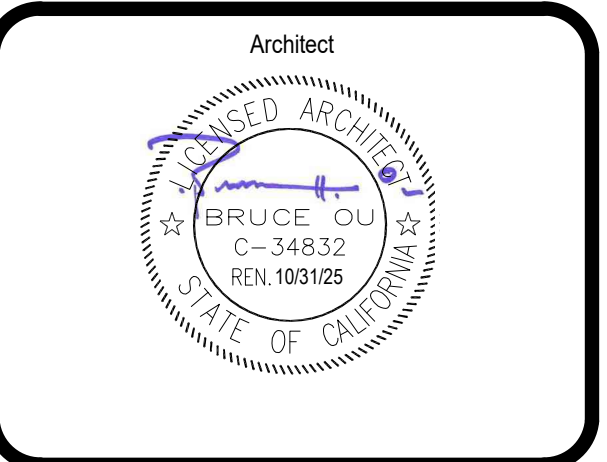
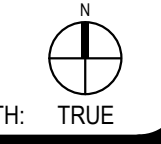
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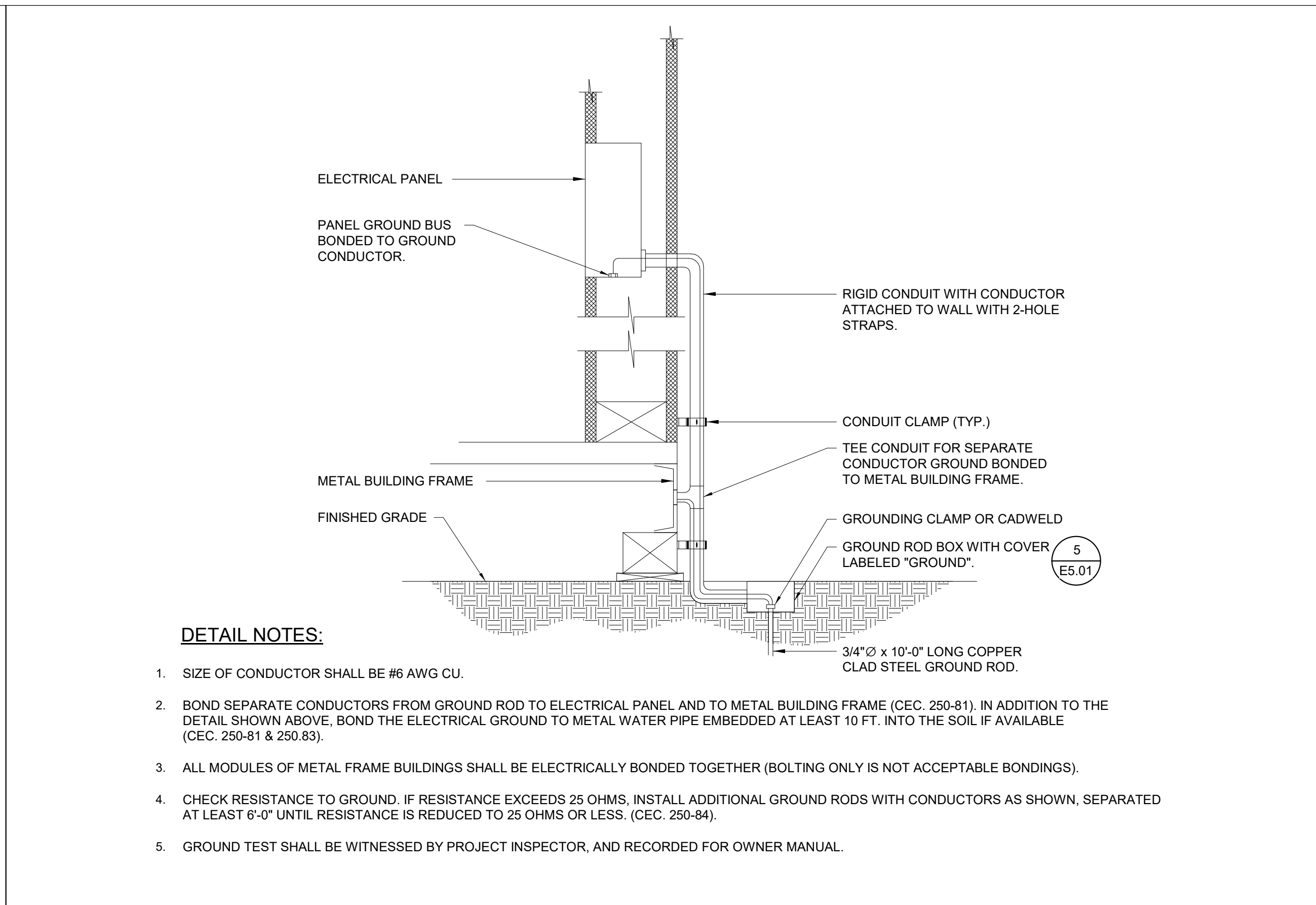
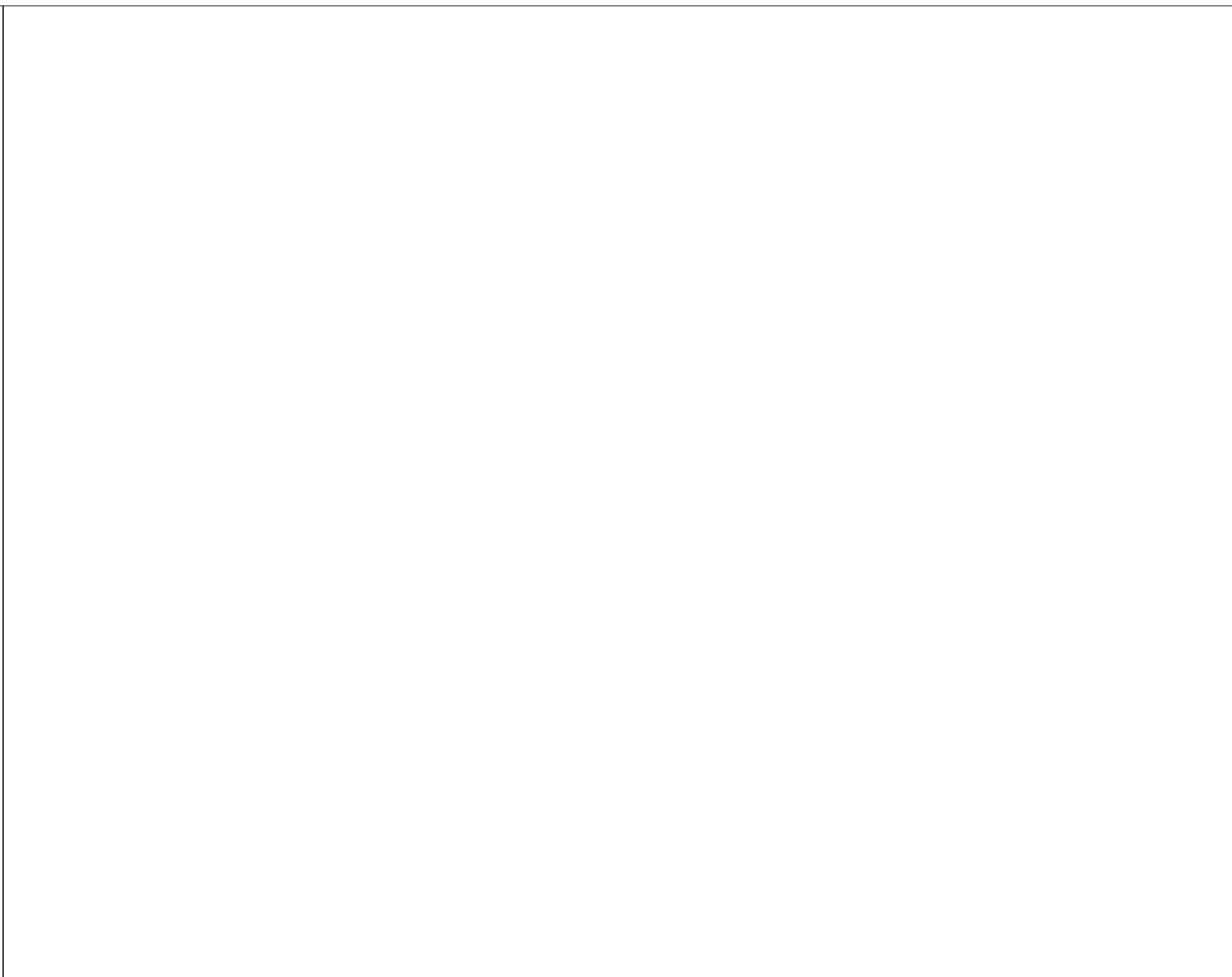
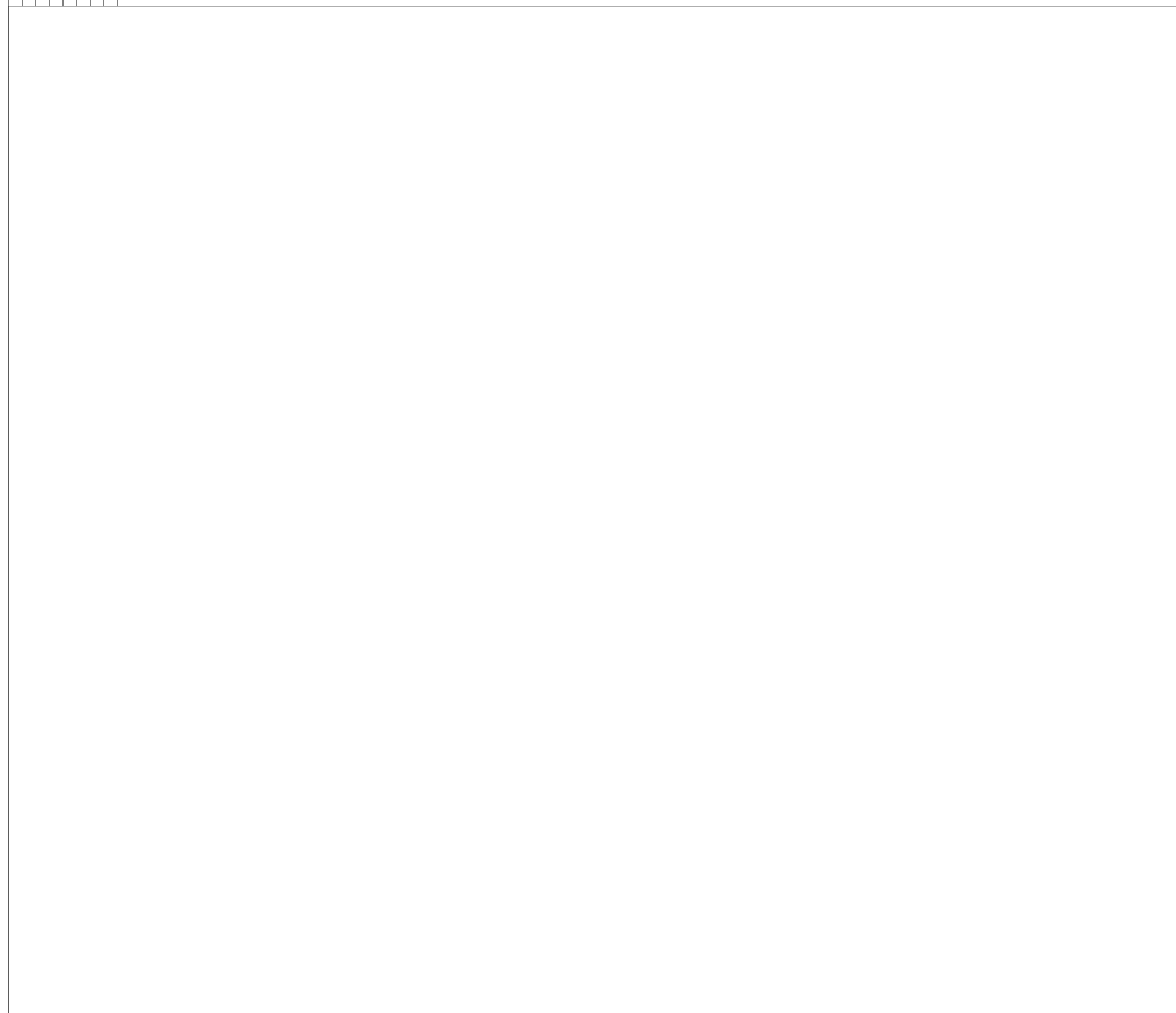
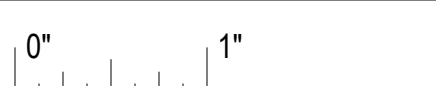


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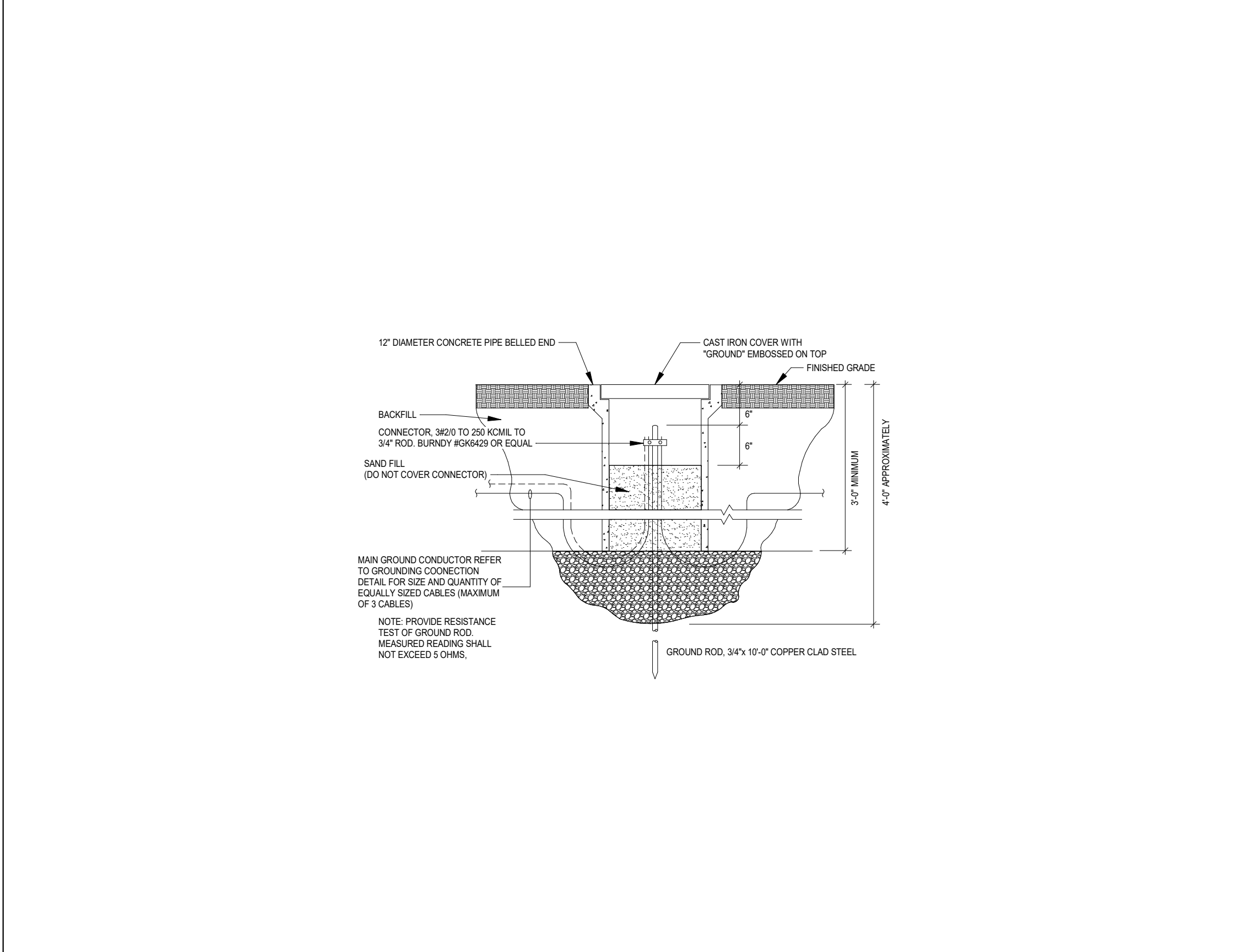
ELECTRICAL SITE PLAN

E1.01

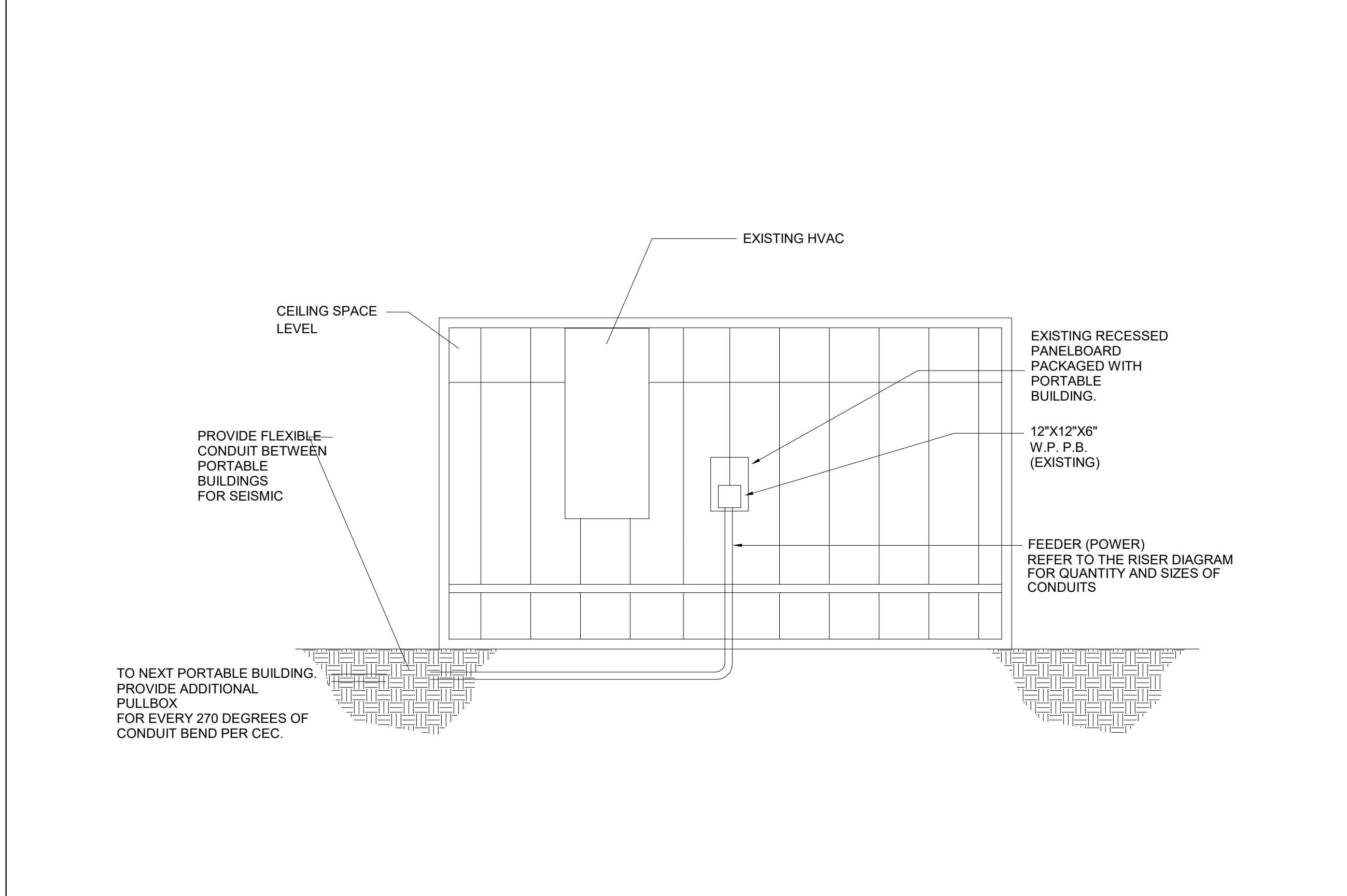
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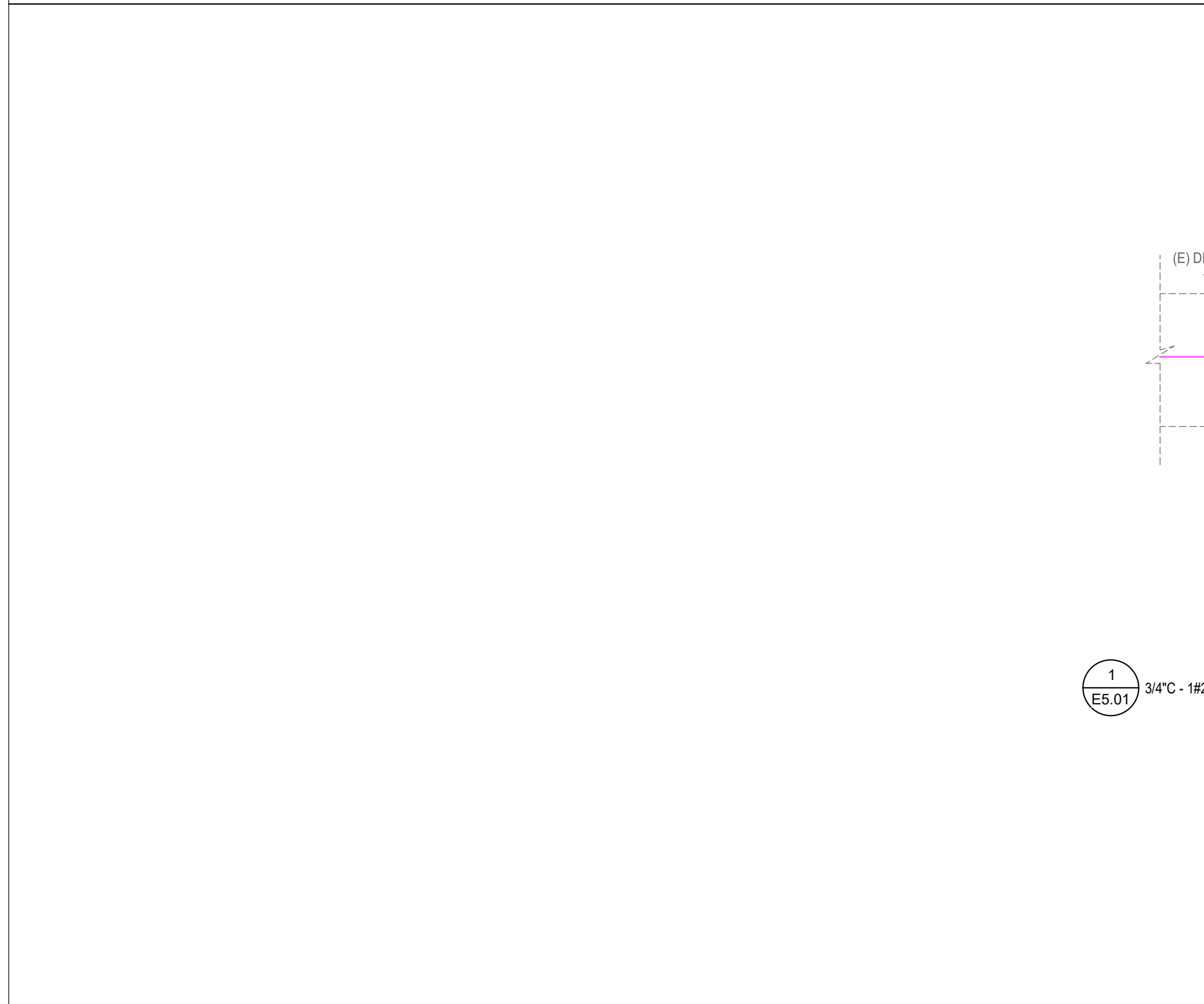
1 PORTABLE BUILDING GROUNDING DETAIL
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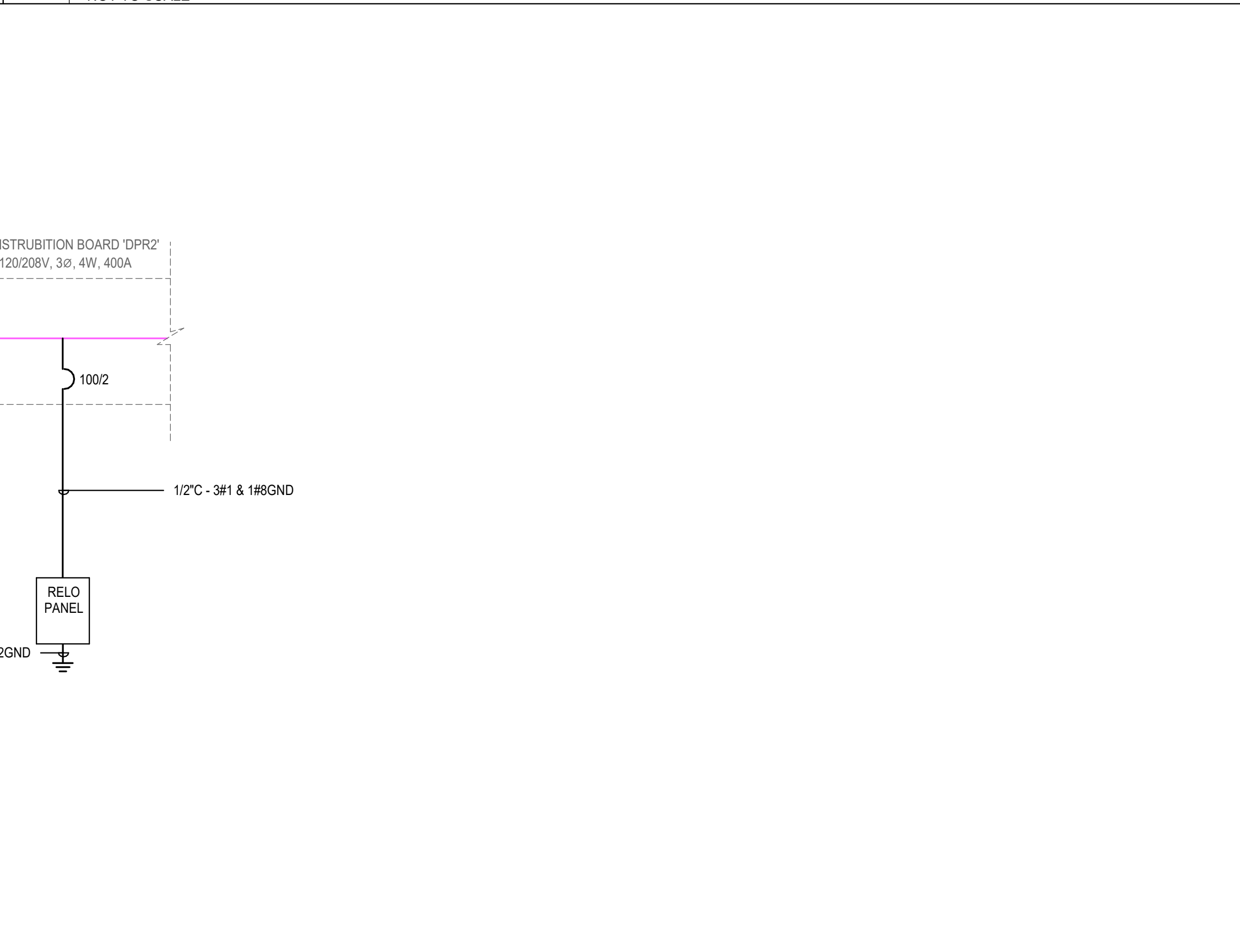
5 GROUND WELL ASSEMBLY
NOT TO SCALE



2 PORTABLE BUILDING POWER CONNECTION DETAIL
NOT TO SCALE



4 SINGLE LINE DIAGRAM
NOT TO SCALE



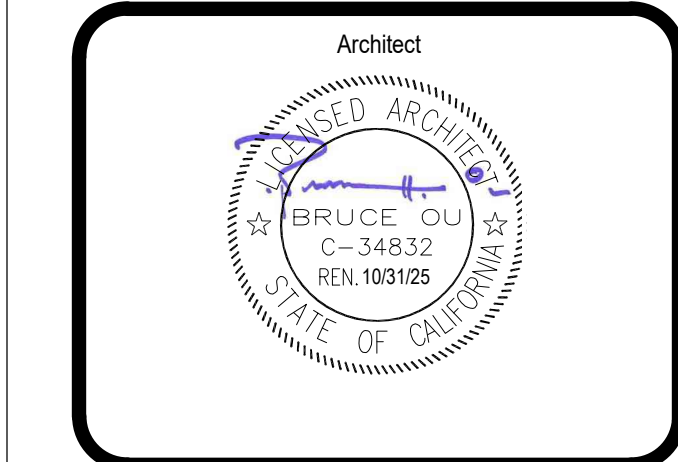
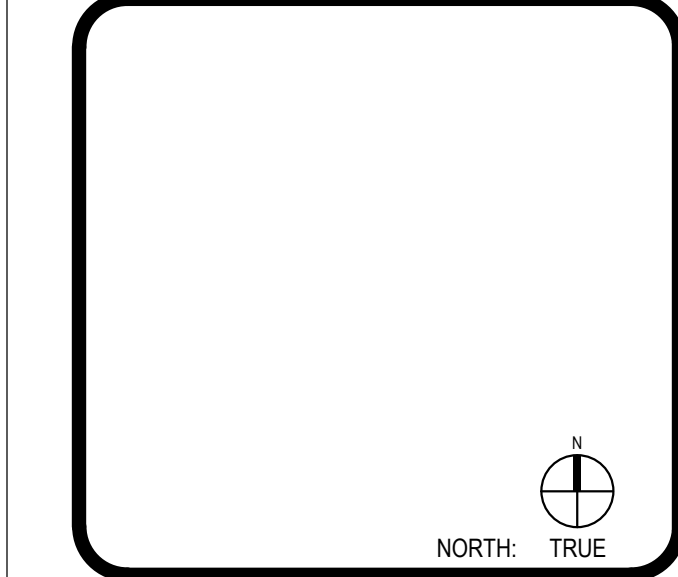
3 TRENCH DETAIL
NOT TO SCALE

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SINGLE LINE DIAGRAM & DETAILS

E5.01

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DEVICE SCHEDULE

Table with columns: SYMBOL, DESCRIPTION, MODEL, MANUFACTURER, BACKBOX, MOUNTING HEIGHT, C.S.F.M. NUMBER. Lists various fire alarm components like fire alarm voice evac control panels, power supplies, smoke detectors, and speakers.

LEGENDS

Legend table with columns: ABBREVIATION, DESCRIPTION, ABBREVIATION, DESCRIPTION. Lists symbols for electrical components like switches, boxes, and detectors.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES: 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (FC), PART 9, TITLE 24 CCR 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

DRAWING INDEX

Table with columns: SHEET, DESCRIPTION. Lists drawing sheets and their corresponding descriptions.

ANCHORAGE AND BRACING NOTES

ALL WORK SHALL BE IN CONFORMANCE WITH TITLE 24, 2022 CALIFORNIA CODE OF REGULATIONS (CCR), 2022 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR, 2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

GENERAL NOTES

- 1. APPLICABLE STANDARD 2022 NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.

FIRE WATCH NOTE

A FIRE WATCH SHALL BE ESTABLISHED AND THE FIRE DEPARTMENT & FIRE CODE OFFICIAL SHALL BE NOTIFIED IMMEDIATELY WHENEVER THE FIRE PROTECTION / ALARM SYSTEM IS RENDERED OUT OF SERVICE. A FIRE WATCH SHALL BE STAGED WHENEVER THE BUILDING IS OCCUPIED (PARTIAL OR WHOLE) PER DSA IR-F-2 AND CFC 901.7.

SCOPE OF WORK

PROVIDE COMPLETE FULL AUTOMATIC ADDRESSABLE FIRE ALARM SYSTEM WITHIN THE AREA OF WORK. PROVIDE FIRE ALARM SYSTEM DEVICES AS SHOWN IN EQUIPMENT LEGEND, FLOOR PLANS, AND SPECIFICATIONS IN THIS CONSTRUCTION DOCUMENT SET. USE EXISTING FIRE ALARM CONTROL PANEL TO CONNECT NEW FIRE ALARM SYSTEM DEVICES SHOWN PER DRAWING AND SPECIFICATION DOCUMENT. UPON COMPLETION, A COMPLETE FIRE TEST SHALL BE PERFORMED TO VERIFY FUNCTIONALITY. IF FUNCTIONALITY IS COMPLETE THEN THE PROPER DOCUMENTATION SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PRIOR TO SCHEDULING A FINAL INSPECTION.

MOUNTING OVER OBSTRUCTION DETAIL

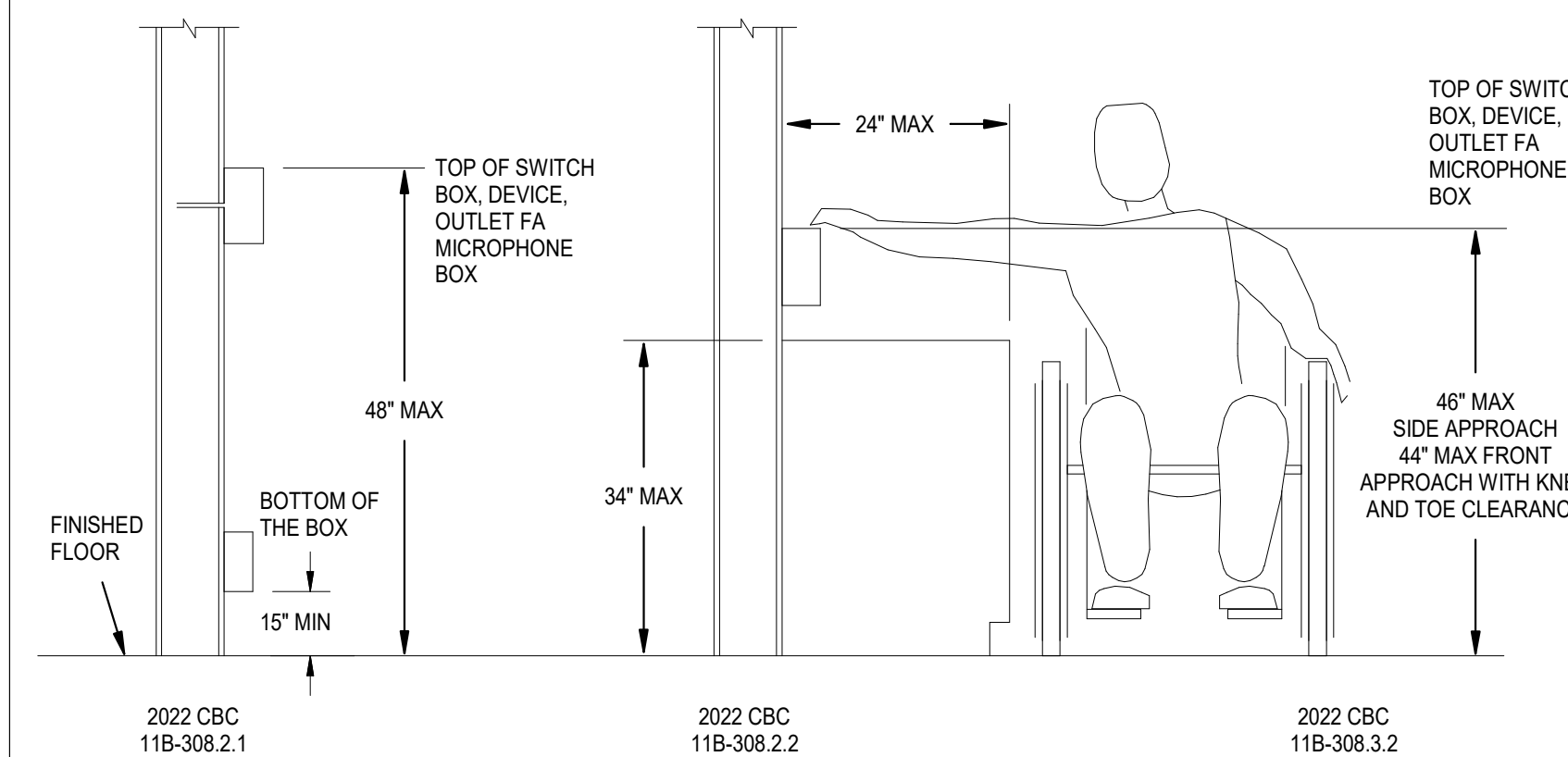
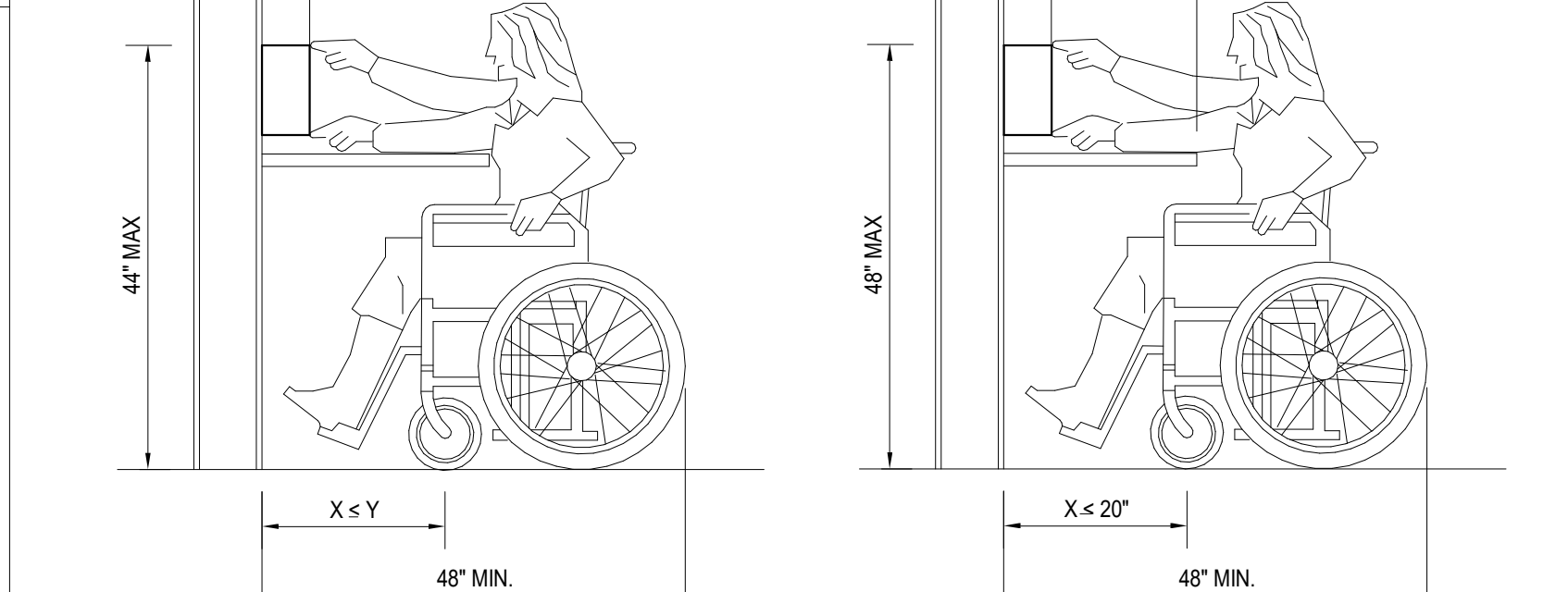


Table with columns: WIRE DESIGNATION, WIRE IN CONDUIT, WIRE IN CONDUIT UNDERGROUND/WET LOC., UNDERGROUND/WET WIRE DESIGNATION. Lists wiring specifications for various circuits.

NOTES: 1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT. THIS DOES NOT APPLY TO SENSORS OR CONTROLS THAT ARE ONLY ADJUSTABLE THROUGH THE BUILDING AUTOMATION SYSTEM (IE: TEMPERATURE AND HUMIDITY SENSORS).

2. FORWARD OR FRONT APPROACH FOR DEVICES MOUNTED ABOVE COUNTERS ASSUMES THAT DIRECTLY BELOW THE DEVICE, THE COUNTER HAS A 30" MIN. WIDTH x 27" HIGH x 19" MIN. DEEP CLEAR OPENING. CBC SECTIONS 11B-306 & 11B-308.



WIRE SCHEDULE

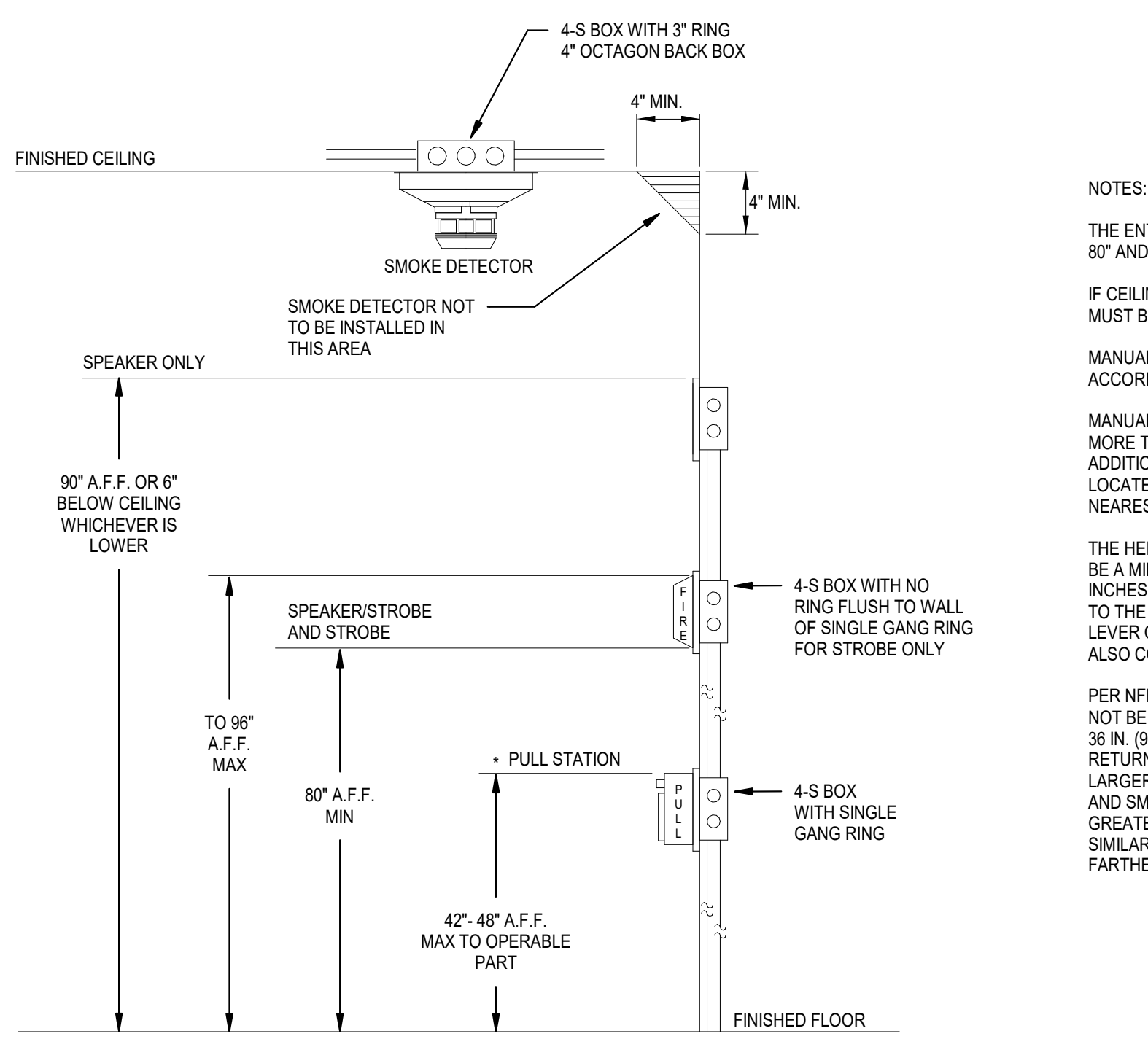
Table with columns: WIRE DESIGNATION, WIRE IN CONDUIT, WIRE IN CONDUIT UNDERGROUND/WET LOC., UNDERGROUND/WET WIRE DESIGNATION. Lists wiring specifications for various circuits.

NOTE: ALL WIRE MODEL NUMBERS ARE WEST PENN EQUIVALENT BY OTHER MANUFACTURER IS ACCEPTABLE.

FIRE ALARM REQUIREMENTS

- THE CONTRACTOR SHALL PROVIDE AND SUBMIT THE FIRE ALARM SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OF THE FIRE ALARM SYSTEM. THE SUBMITTAL SHALL CONTAIN THE FOLLOWING:
A. SHOP DRAWINGS: COMPLETE 1/8" SCALE FLOOR PLANS SHOWING ALL DEVICES, COMPONENTS, CONDUIT AND WIRING INDICATING A COMPLETE AND ACCURATE SYSTEM AS DESIGNED AND SPECIFIED. REPRODUCED COPIES OF BID SET FIRE ALARM PLANS ARE NOT ACCEPTABLE AS SHOP DRAWINGS. SHOP DRAWINGS MUST ALSO INDICATE DEVICE MOUNTING HEIGHTS, ROOM NAMES AND NUMBERS AND THE LOCATION OF ALL FIRE RATED WALLS.
B. ELECTRICAL CONTRACTORS AND FIRE ALARM SYSTEM INSTALLERS' NAME, ADDRESS, PHONE NUMBER AND C-10 LICENSE NUMBER.

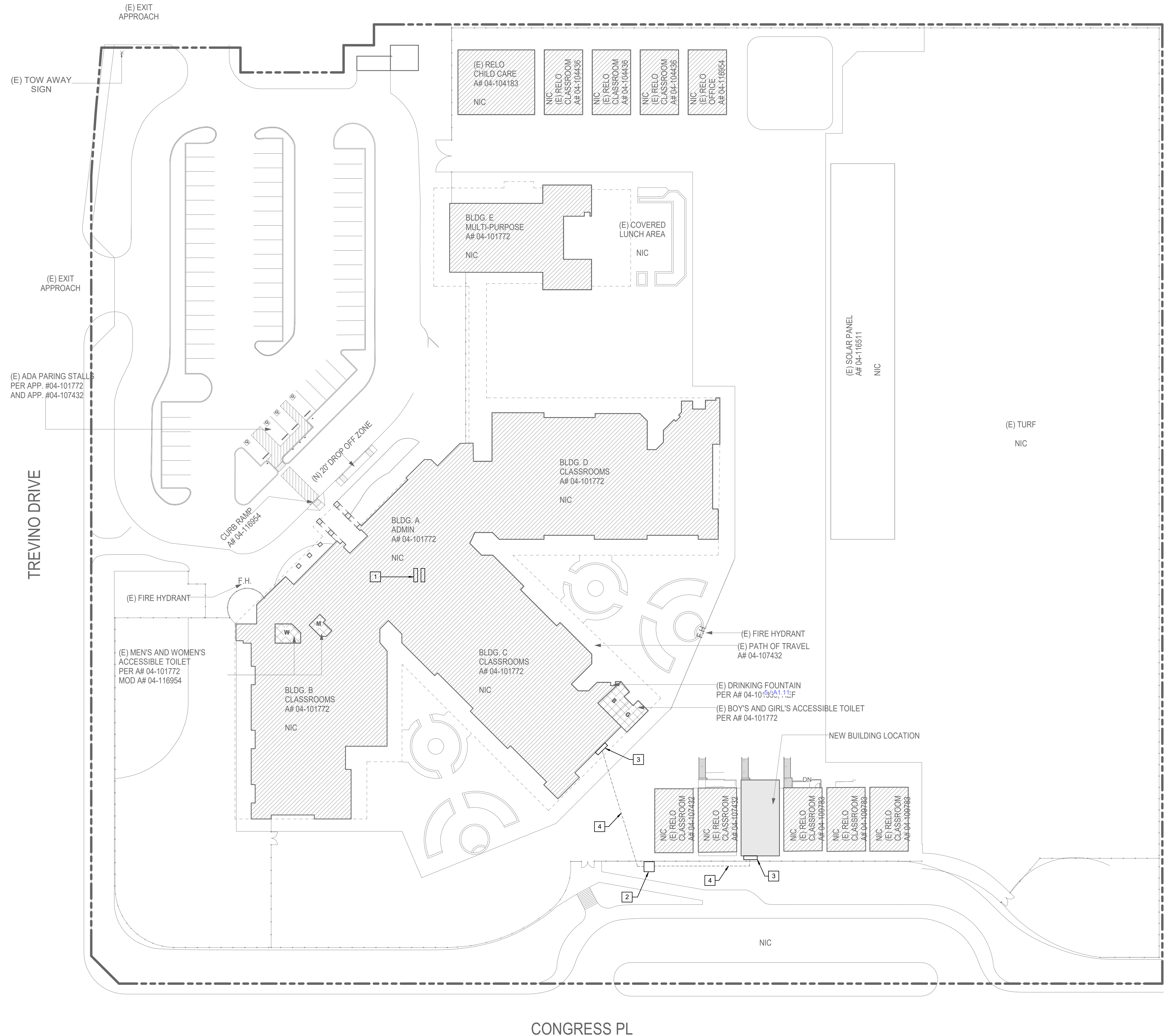
ELEVATION MOUNTING DETAIL



SEQUENCE OF OPERATIONS

Table with columns: DEVICE, AREA SMOKE/BEAM DETECTOR, HEAT DETECTOR, 120VAC POWER FAILURE, SHORT CIRCUIT, GROUND FAULT, BATTERY FAILURE. Lists operational requirements for various fire alarm devices.

Project information block including: ARCHITECT (PBK Architects, Inc.), CONSULTANT (LEAF ENGINEERS), PROJECT ADDRESS (3181 Torino Dr, Irvine, CA 92602), PROJECT NUMBER (230380), and DRAWING INDEX.



KEY NOTES

- 1 EXISTING FIRE ALARM CONTROL PANEL (A#04-116954). CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION.
- 2 REUSE EXISTING UNDERGROUND PULL BOX. CONTRACTOR TO FIELD VERIFY THE EXISTING CONDITION AND VERIFY OTHERWISE PROVIDE NEW CONCRETE UNDERGROUND PULL BOXES AS 11" X 17" X 18" DEEP ON A 6" DEEP GRAVEL BASE.
- 3 PROVIDE NEMA 3R WEATHERPROOF PULLBOX 18"x18"x8" FOR FIRE-ALARM (TYPICAL).
- 4 REUSE EXISTING UNDERGROUND FIRE ALARM CONDUIT. CONTRACTOR TO FIELD VERIFY THE EXISTING CONDITION AND VERIFY OTHERWISE PROVIDE NEW (1) 2" UNDERGROUND CONDUIT (PVC, SCHEDULE 40, 24" BELOW GRADE), FOR FIRE ALARM CABLE AS INDICATED. SAWCUT AND TRENCH EXISTING ASPHALT AND BACK FILL TO MATCH EXISTING SURFACES.

SITE PLAN LEGEND

- (E) BUILDING, NOT IN SCOPE
- SCOPE OF WORK
- (N) RELOCATABLE BLDGS

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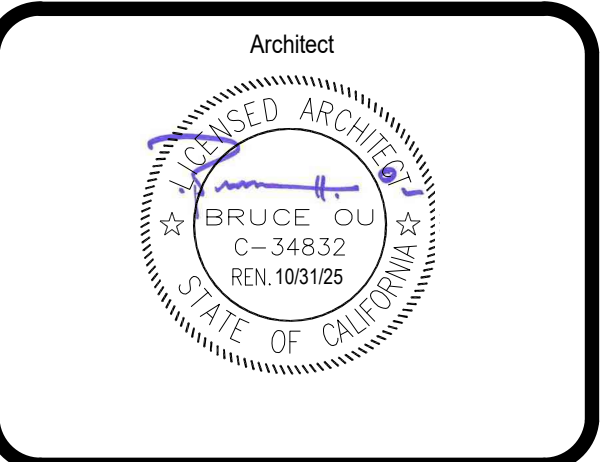
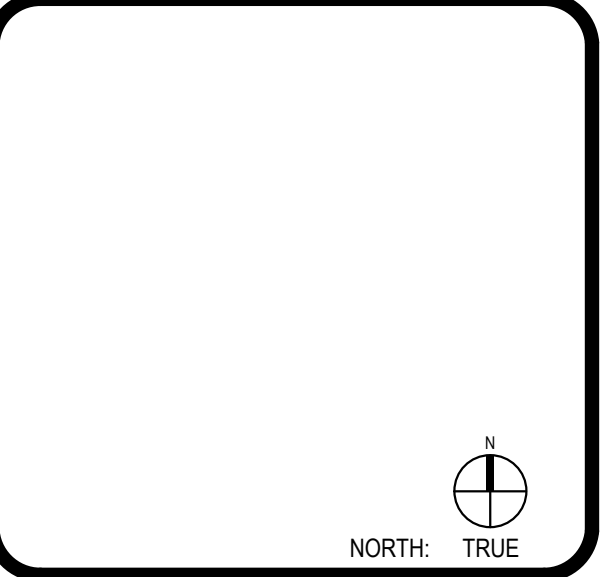
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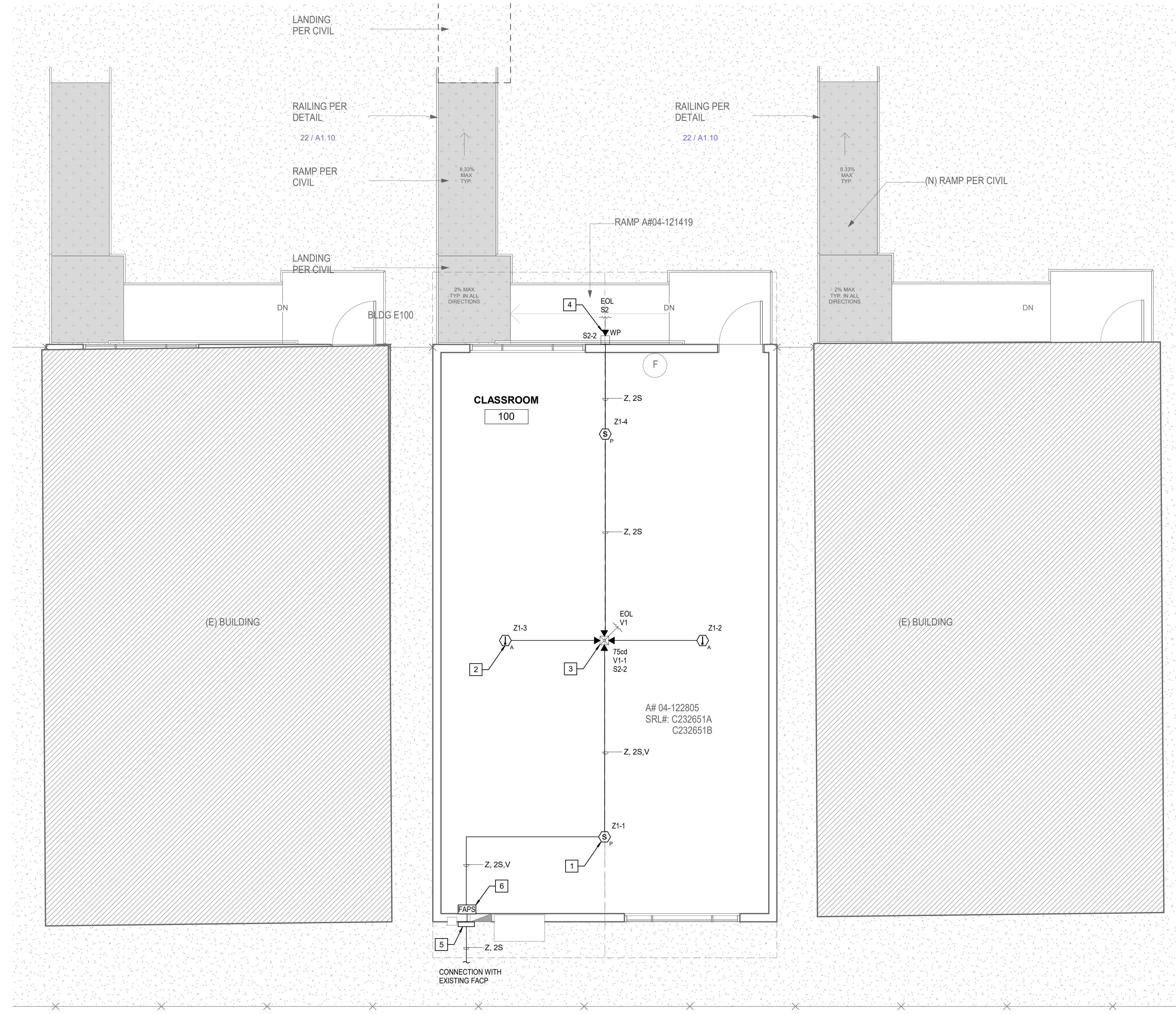
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No.	Description	Date	

100% CONSTRUCTION DOCUMENT
FIRE ALARM SITE PLAN

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KEY NOTES

- 1 PROVIDE FIRE ALARM ADDRESSABLE SMOKE DETECTOR AS SHOWN (TYP).
- 2 PROVIDE FIRE ALARM ADDRESSABLE ATTIC HEAT DETECTOR AS SHOWN (TYP).
- 3 PROVIDE FIRE ALARM CEILING MOUNTED SPEAKER STROBE AS SHOWN (TYP).
- 4 PROVIDE FIRE ALARM WALL MOUNTED WEATHERPROOF SPEAKER DEVICE AS SHOWN (TYP).
- 5 PROVIDE NEMA 3R WEATHERPROOF PULLBOX 18"x18"x8" FOR FIRE-ALARM.
- 6 PROVIDE NEW FIRE ALARM POWER SUPPLY PANEL AS SHOWN.

GENERAL NOTES

- 1. ALL SPEAKER TAP SETTING SHALL BE SET AT 12 WATT FOR INTERIOR SPEAKER AND 2 WATT FOR EXTERIOR SPEAKERS UNLESS NOTED OTHERWISE (U.N.O.)
- 2. RUN FIRE ALARM CABLES IN CONDUIT CONCEALED IN WALLS AND CEILING WHEN POSSIBLE. EXPOSED CONDUITS ARE NOT ACCEPTABLE.
- 3. SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 36 IN. (910 MM) HORIZONTAL PATH FROM THE SUPPLY REGISTERS OF A FORCED AIR HEATING OR COOLING SYSTEM AND SHALL BE INSTALLED OUTSIDE OF THE DIRECT AIRFLOW FROM THOSE REGISTERS PER CBC 907.2.11.8.
- 4. FOR ALL HEAT DETECTORS THAT ARE LOCATED ABOVE CEILING/ATTIC SPACES, CONTRACTOR SHALL PROVIDE STICKER AND LABEL "HOT" AT THE REFLECTED CEILING DIRECTLY BELOW THE DEVICE TO INDICATE LOCATION.
- 5. ELECTRICAL CONTRACTOR SHALL FURNISH ACCESS PANELS TO AREAS THAT REQUIRE ACCESS FOR ATTIC HEAT DETECTOR, SERVICING, TROUBLESHOOTING, ETC (IF REQUIRED).
- 6. PER 2022 CSC SECTION 1209.2 - AN ATTIC ACCESS OPENING NOT LESS THAN 20 INCHES BY 30 INCHES SHALL BE PROVIDED TO ANY ATTIC AREA HAVING A CLEAR HEIGHT OF OVER 30 INCHES.

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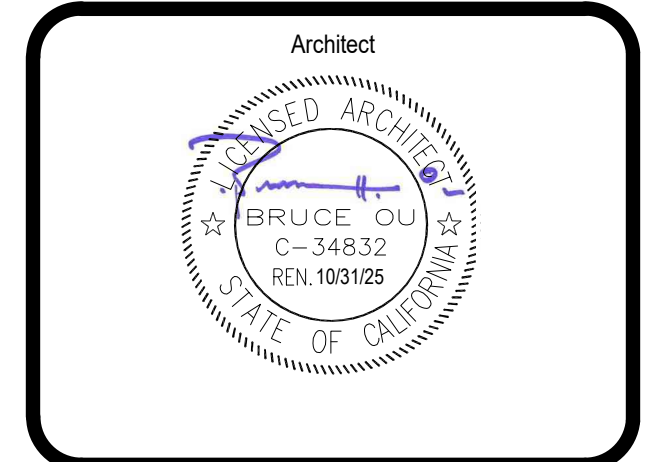
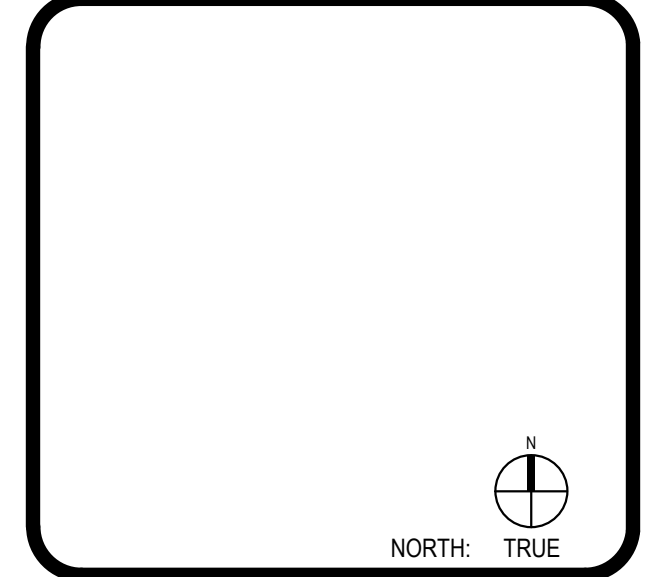


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100% CONSTRUCTION DOCUMENT
FIRE ALARM ENLARGED SITE PLAN

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FACP BATTERY CALCULATION SHEET					
FACP VOICE EVAC (EXISTING) LOCATION: ADMIN BLDG					
QUANTITY		UNIT STANDBY CURRENT(A)	TOTAL STANDBY CURRENT(A)	UNIT ALARM CURRENT(A)	TOTAL ALARM CURRENT(A)
EX 1	4-CPU	0.211000	0.211000	0.211000	0.211000
EX 1	4-NET-TP	0.032000	0.032000	0.032000	0.032000
EX 1	3-SSDC1	0.144000	0.144000	0.204000	0.204000
EX 1	3-SSDC1	0.264000	0.264000	0.336000	0.336000
EX 1	3-MODCOM	0.060000	0.060000	0.095000	0.095000
EX 1	4-LCDLE	0.040000	0.040000	0.093000	0.093000
EX 1	4-AUDTELS	0.085000	0.085000	0.101000	0.101000
EX 1	4-MIC	0.008000	0.008000	0.038000	0.038000
EX 160	SIGA-PO	0.000320	0.051200	0.000320	0.051200
EX 240	SIGA-HRD	0.000320	0.076800	0.000320	0.076800
EX 105	CO DETECTOR	0.000050	0.005250	0.000070	0.007350
EX 4	DUCT DETECTOR	0.000450	0.001800	0.000450	0.001800
EX 1	BEAM DETECTOR	0.011000	0.001584	0.015000	0.002720
EX 4	PULL STATION	0.000250	0.001000	0.000400	0.001600
EX 97	DUAL MONITOR MODULE	0.000400	0.000045	0.000680	0.018000
EX 130	SINGLE INPUT MODULE	0.000000	0.000250	0.000400	0.000400
EX 8	SINGLE RISER INPUT MODULE	0.000223	0.000128	0.000100	0.000128
EX 3	CONTROL RELAY	0.100000	0.000000	0.000000	0.130000
EX 1	HIGH VOLTAGE RELAY	0.000750	0.000000	0.000750	0.318000
EX 1	ZONED AMP	0.085000	0.000000	5.540000	1.421000
N 28	SMOKE DETECTOR	0.000032	0.000896	0.000032	0.000896
N 28	HEAT DETECTOR	0.000032	0.000896	0.000032	0.000896
SUB TOTAL			0.985		4.814
STANDBY CURRENT x 24 Hrs. (AH)			23.634 AH		
ALARM CURRENT x 15 MINUTES (AH)			0.404 AH		
TOTAL (AH)			24.038 AH		
25% DERATING			6.010 AH		
TOTAL DEMAND (AH)			30.048 AH		
BATTERY REQUIRED			50 AH		

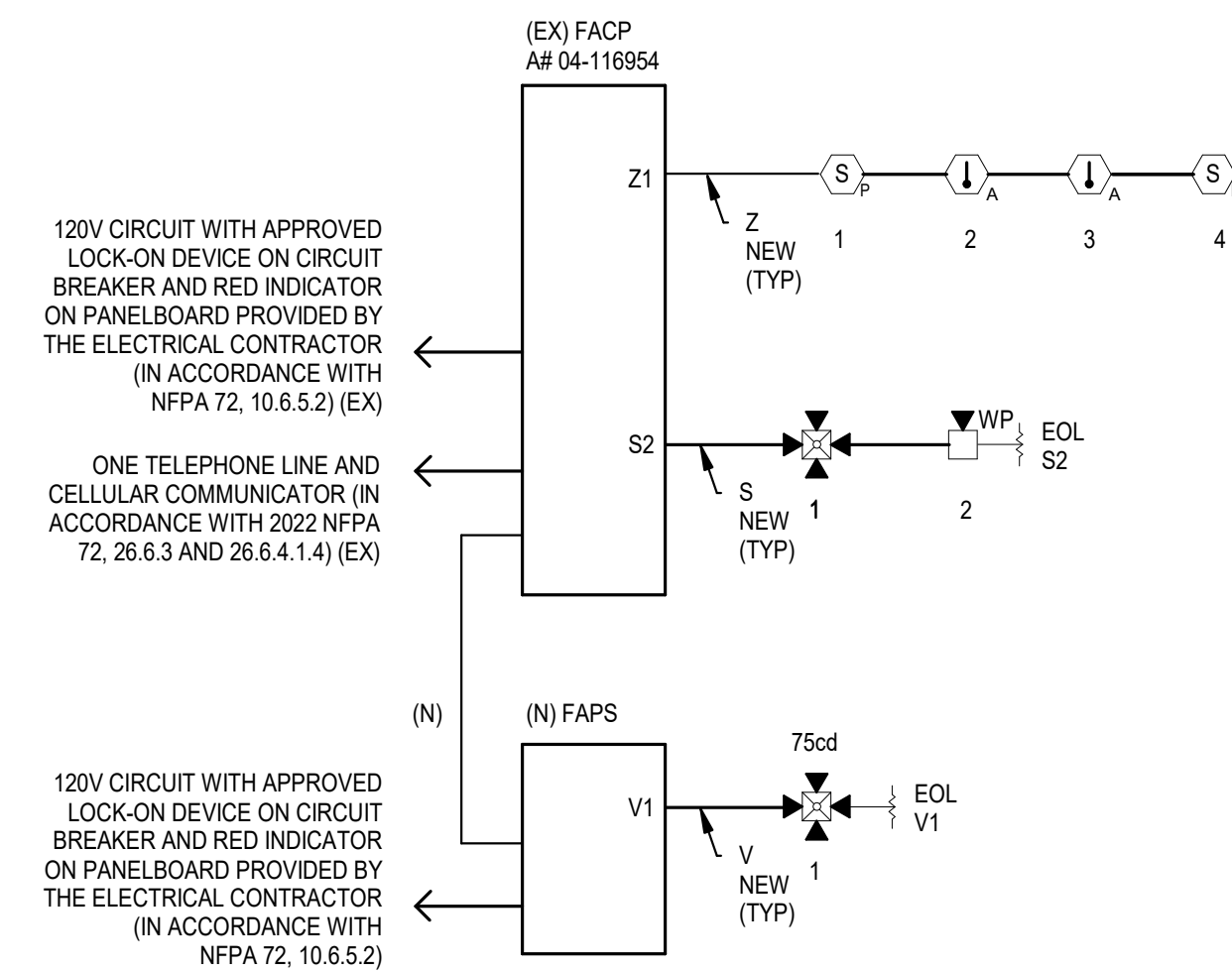
BATTERY CAPACITY CALCULATION SHEET					
FAPS (N)					
QUANTITY	Description	Unit Standby Current(A)	Total Standby Current(A)	Unit Alarm Current(A)	Total Alarm Current(A)
1	NAC TRIP	0.070	0.070	0.270	0.270
8	15cd ceiling strobes	0.000	0.000	0.109	0.872
1	15cd ceiling speaker/strobe	0.000	0.000	0.109	0.109
10	30cd ceiling speaker/strobe	0.000	0.000	0.151	1.510
Sub Total			0.070	0.761	2.761
A - Battery Backup - Standby (Hour)			24		
B - Battery Backup (minutes)			15		
C - Allowable Error (%)			25		
D - Total Standby Backup (Amp-Hour)			1.680		
E - Total Alarm Backup (Amp-Hour)			0.690		
F - Allowable Error (C x D + E)			0.593		
Total Amp-Hour Required (D + E + F)			2.963		
Battery Submitted			7 Amp-Hour		

STROBES WORST CASE VOLTAGE DROP													
PANEL NAME	CIRCUIT NUMBER	CEILING STROBE				CEILING SPEAKER/STROBE				TOTAL CURRENT (AMPS)	TOTAL DISTANCE (FEET)	TOTAL VOLTAGE DROP (%)	TOTAL DEVICES
		15cd	30cd	75cd	95cd	15cd	30cd	75cd	95cd				
FAPS (N)	V1	4							4	1.560	250	5.38%	8
	V2	4							4	1.560	350	7.53%	8
	V3					1			2	0.671	750	6.94%	3
	SPARE									0.000		0.00%	0
TOTAL		8	0	0	0	1	0	10	0				

SPEAKER CIRCUIT LOAD CALCULATION											
SPEAKER CIRCUIT DESCRIPTION	PANEL CIRCUIT NUMBER	WIRE GAUGE (18, 16, 14 OR 12)	CIRCUIT VOLTAGE (25 OR 70 V RMS)	APPLIANCE QUANTITIES / TAP VALUES				TOTAL CIRCUIT LOAD (WATT)	ESTIMATED CIRCUIT LENGTH (FEET)	MFG. REC. MAXIMUM LOSS IS -0.5dB	
				SPEAKER TAPPED AT	SPEAKER TAPPED AT	SPEAKER TAPPED AT	SPEAKER TAPPED AT				
FACP (EX)	PORTABLE H	S1	14 AWG	70	9	5	35.00	1250	-0.17	2.200	6.64
	BLDG C	S2	14 AWG	70	3	5	1.50	750	-0.01	35.000	3.86
TOTAL							36.50				

4 FIRE ALARM VOLTAGE DROP AND BATTERY CALCULATIONS

NOT TO SCALE

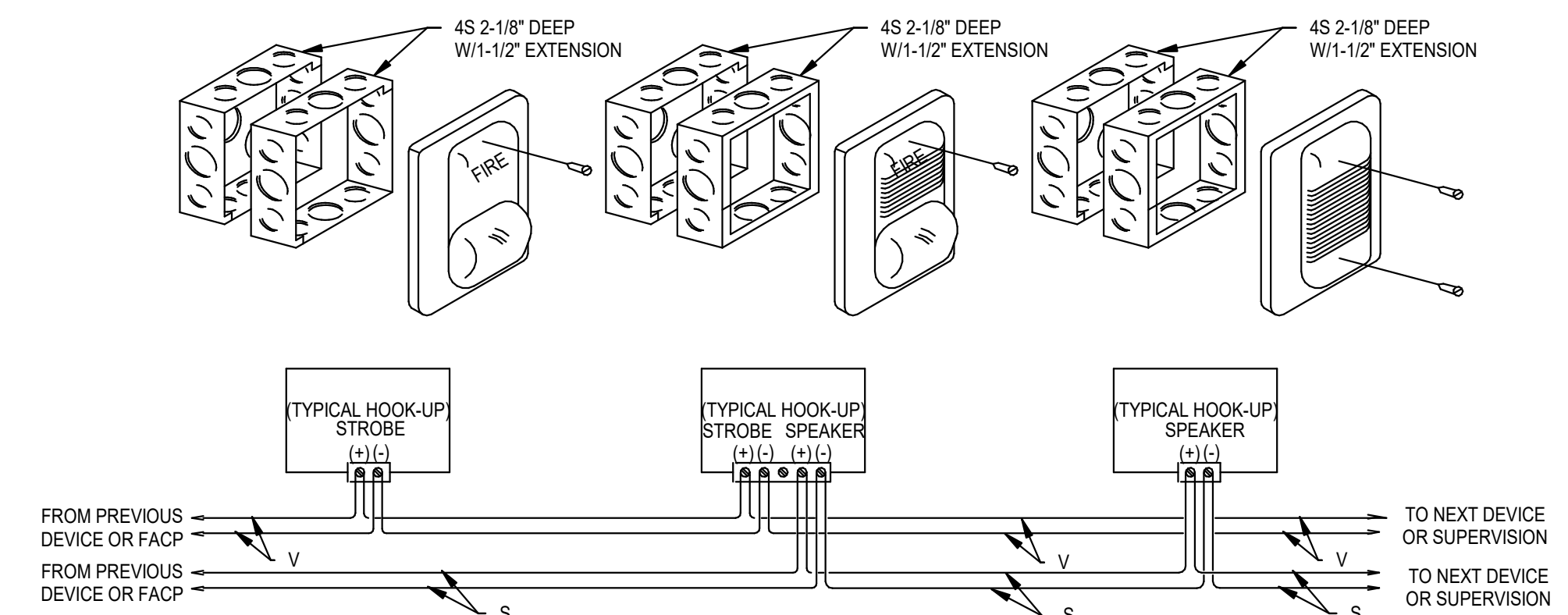


1 FIRE ALARM PARTIAL RISER DIAGRAM

NOT TO SCALE

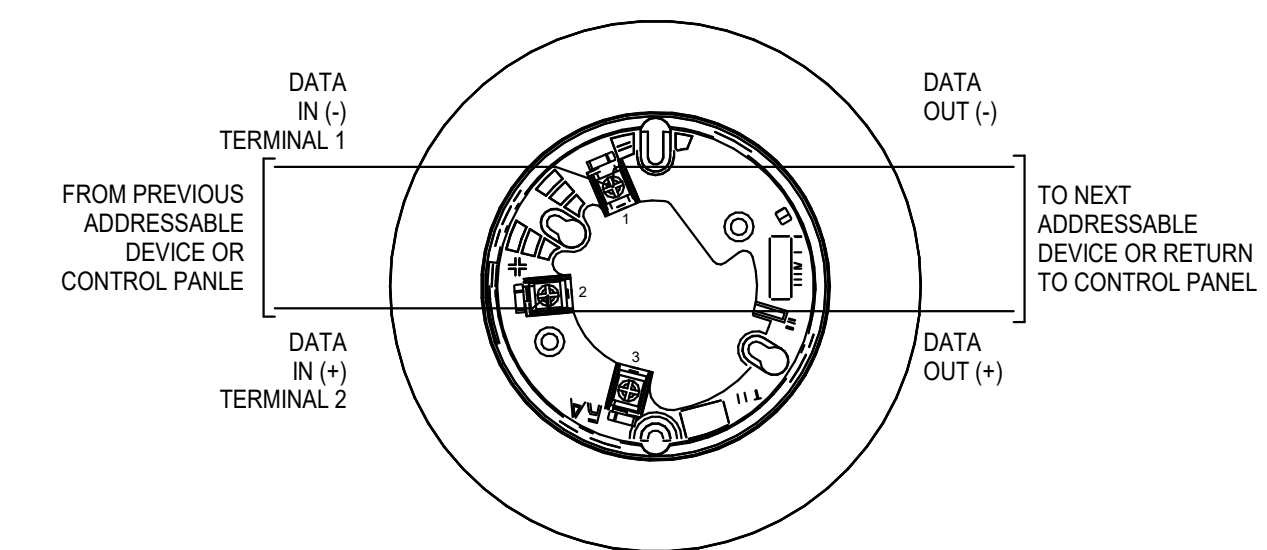
3 SPEAKER/STROBE DETAIL

NOT TO SCALE



2 SMOKE/HEAT DETECTOR DETAIL

NOT TO SCALE



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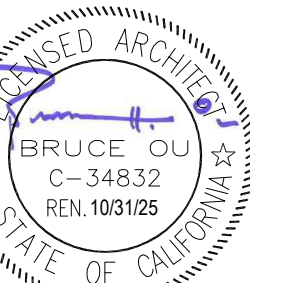
100% CONSTRUCTION DOCUMENT
DSA-APPL. NO. XXXX DSA-FILE NO. XXXX



Consultant



Architect



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03/18/2024	230380		
REVISIONS	Description	Date	

100% CONSTRUCTION DOCUMENT

FIRE ALARM DETAILS

TECHNOLOGY PLAN GENERAL NOTES

- 1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF THE TELECOMMUNICATION, NETWORK, AND VIDEO EQUIPMENT SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. CONTRACTOR SHALL COORDINATE AND INSTALL ALL 120V POWER REQUIREMENTS AND LOCATIONS AS REQUIRED FOR ALL EQUIPMENT (TYPICAL).

AUDIO & VIDEO GENERAL NOTES

- 1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. THE INSTALLING CONTRACTOR OF EACH SYSTEM SHALL BE RESPONSIBLE FOR PROVIDING THEIR OWN 120V POWER REQUIREMENTS FOR ALL REMOTE POWER SUPPLIES.

INTERCOM SYSTEM'S GENERAL NOTES

- 1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. THE INSTALLING CONTRACTOR OF EACH SYSTEM SHALL BE RESPONSIBLE FOR PROVIDING THEIR OWN 120V POWER REQUIREMENTS FOR ALL REMOTE POWER SUPPLIES.

TECHNOLOGY SCOPE OF WORK

- 1. PROVIDE COMPLETE TECHNOLOGY SYSTEMS EQUIPMENT WITH INSTALLATION AS REQUIRED FOR A COMPLETE WORKING SYSTEM PER DESIGN DRAWINGS AND SPECIFICATIONS FOR COMMUNICATIONS ROOM 109, AND OTHER SPACES REQUIRED.

TECHNOLOGY SYMBOL LIST

Table with columns: SYMBOL, DESCRIPTION, NOTE. Includes symbols for WAP, Information Outlet, Public Address Speaker, Underground Pull Box, Conduit, and Fire Rated Pathway Sleeve System.

GENERAL NOTES:

- 1. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.

TECHNOLOGY SYMBOL LIST NOTES:

- 1. "R" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. 2. SYMBOL SUBSCRIPT INDICATES DEVICE TYPE. 3. INFORMATION OUTLET INSTALLED IN E.G. PROVIDED FLOOR BOX. "H" INDICATES DATA OUTLET FACEPLATE CONFIGURATION.

DRAWING INDEX

Table with columns: SHEET, DESCRIPTION. Lists sheets TO.00 through T6.01 and their corresponding descriptions like TECHNOLOGY SYMBOLS, LEGENDS & GENERAL NOTES.

TECHNOLOGY ABBREVIATION KEY

Table with columns: ABBR, DESCRIPTION. Lists abbreviations like AFF, BFC, C, C.M., E.C., G.C., J-BOX, MPOE, MC, S.C., SIM, T.C., TR#, TYP, UNO, and #F.

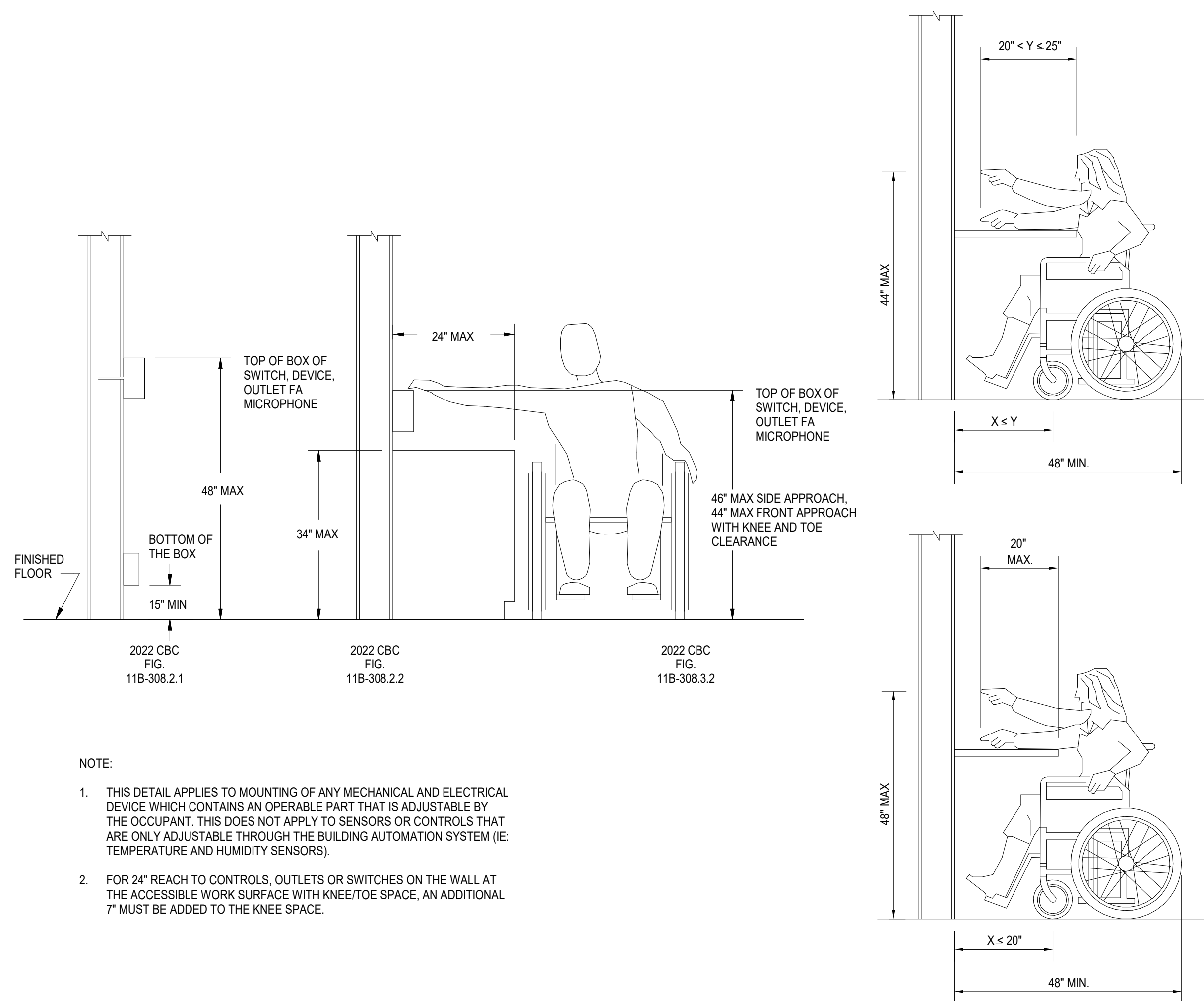
APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2022. 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR.

PARTIAL LIST OF APPLICABLE STANDARDS. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED) 2016 EDITION. NFPA 720 STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE DETECTION AND WARNING EQUIPMENT.

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.



NOTE:

- 1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT.



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CONSULTANT LEAF Engineers

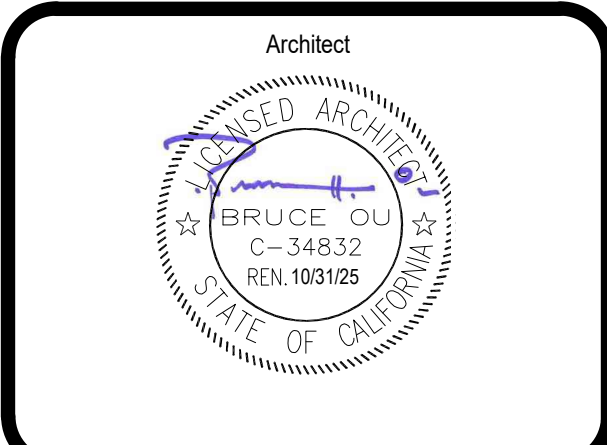
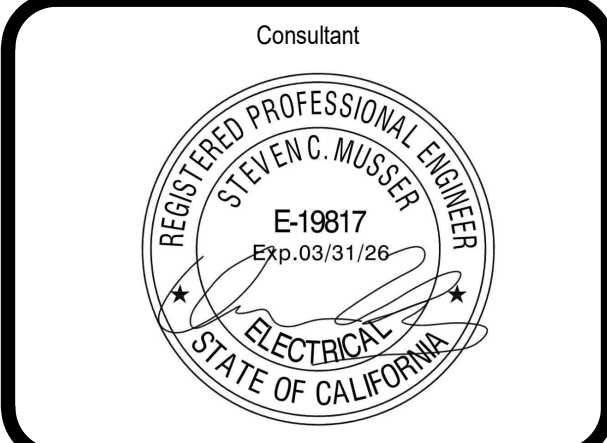


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Tustin Unified School District



CLIENT TUSD DATE xxxxx PROJECT NUMBER 230380. REVISIONS table with columns: No., Description, Date.

TECHNOLOGY SYMBOLS, LEGENDS & GENERAL NOTES

Table with 6 columns: Part Number, Quantity, Description, Unit, Price, Total Price. Includes items like QLC-BX40-D-1, QLC-BX40-DA-1, QLC-BX40-U-1, QLC-BX80-D-1, QLC-BX80-U-1, QLC-GE-DRL-X.

2.2 STRUCTURED CABLING

- A. Cabling shall be UL listed for the application and shall comply with TIA/EIA-568 (most current) standards and NFPA 70. Provide a labeling system for cabinets as required by TIA-568 (most current) standards and District Standards. Cabling manufactured more than 12 months prior to date of installation shall not be used.

Structured Cabling 27 10 00 - 8

- D. Fiber Optic Cabling
1. All armored indoor/outdoor rated light-buffered fiber optic cable shall be plenum rated and UL listed.
2. All Multimode fiber optic backbone cable shall not exceed a maximum distance of 275 meters.

2.3 PATCH PANELS

- A. Copper Patch Panels
1. Patch panels shall be rack mounted, rated to exceed TIA Standard for Category 6 modular patch panels, each wired to terminate modular jacks per the TIA T568B standard.

Structured Cabling 27 10 00 - 7

Structured Cabling 27 10 00 - 8

Structured Cabling 27 10 00 - 9

Structured Cabling 27 10 00 - 10

- Y. Each campus MDF shall include two, free standing equipment server cabinets.
Z. Manufacturer: TrippLite SR2400r District approved equal.

2.8 MDF / IDF OPEN 4 POST EQUIPMENT RACK(S) FREE STANDING

- A. The unit shall conform to EIA-310 Standard for Cabinets, Racks, Panels and Associated Equipment and accommodate industry standard 19" rack mount equipment.
B. The unit shall be designed with four (4) vertical posts to allow rack mount equipment installation utilizing four (4) vertical mounting rails.

Structured Cabling 27 10 00 - 11

2.15 FIRESTOPPING MATERIAL

- A. Contractor shall provide all necessary fire stopping of openings through which cable is installed under this specification, in accordance with NFPA 70 and all local codes. This includes installation in conduits, raceways, or bare penetrations. Provide and install UL 1479 approved (Fire Barrier Caulk) firestop material.

2.16 POWER STRIPS(S)

- A. Install 6 outlet, 15A 120v horizontal rackmount Surge Protector at every equipment rack / cabinet in IDF/MDF. Legrand Perma Power #JT08BOB or District approved equal.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Coordinate layout and installation of voice, data, and video communication cabling with the District Representative, other contractors, and equipment suppliers.
B. Structured Cable Contractor shall attend weekly project meetings.

3.2 INSTALLATION

- A. Structured cabling systems, including the horizontal and backbone cable, outlet/connector assemblies, and associated hardware shall be installed in accordance with TIA/EIA-568 (most current) standard, TIA/EIA-569-A, NFPA 70, and UL standards as applicable.
B. If MDF and/or IDF do not have adequate capacity to support additional cable and termination hardware, Contractor shall provide and install new MDF/IDF cabinet/rack or add to existing IDF equipment.

Structured Cabling 27 10 00 - 16

- 1. Rack / Cabinet vertical busbar Hubbell # HGRKTVC or equal.
2. Device ground kit Hubbell # HGRKDBIN (# - length in inches) or equal per device installer.

2.9 MDF EQUIPMENT CABINET POWER DISTRIBUTION STRIP

- A. Each equipment cabinet shall come equipped with two 5-foot power distribution strips with (10) 20 amp (NEMA 5-20R) receptacles mounted 6 inches on center.
B. MDF Cabinet Mounted LCD Monitor/Keyboard Drawer
1. Contractor shall provide and install one rack-mounted LCD monitor/keyboard drawer at MDF cabinet location designated by District Representative.

Structured Cabling 27 10 00 - 12

- 3. splice kits for large radius cable bends.
g. Seismically supported by end wall supports, angular wall supports and communications equipment racks.
h. Black baked enamel finish.
i. Manufacturer: Chatsworth Products (12") or District approved equal.

2.10 OUTLET/CONNECTOR ASSEMBLIES

- A. Jacks shall comply with FCC Part 68.5, and TIA/EIA-568 (most current) Standards.
B. Jacks shall accommodate Category 6 or fiber optic cable and work in concert with Wiremold 5500 raceway or District approved equal.
C. UTP/jacks shall be RJ-45 designation T568B type, UL 1883 listed, eight position, constructed of high impact rated thermoplastic housing rated for 6 service.

2.11 NON-METALLIC SURFACE MOUNTED RACEWAY

- A. Conceal cable sleeves within walls whenever possible.
B. Unless otherwise indicated, raceway shall be three channel, Wiremold 5500 or District approved equal with all necessary brackets, adapters, connectors, hardware and equipment to install Systemax, CommScope Uniprise, or district approved equal, certified Structured Cabling systems as described above.
C. Raceway shall be ivory in color or as noted on drawings.

Structured Cabling 27 10 00 - 13

3.5 TESTING

- A. Structured Cabling Testing
1. Perform structured cabling inspection, verification, and performance tests in accordance with TIA/EIA-568 (most current) standard.
2. Permanent link testing shall be performed on all cabling.
3. All testing personnel shall be trained on testing equipment tools to assure that complete and accurate testing results are obtained/provided.

Structured Cabling 27 10 00 - 18

2.6 WALL MOUNTED EQUIPMENT SUPPORT CABINET

- A. Cabinet shall be fully enclosed lockable, modular type steel construction and treated to resist corrosion.
B. Cabinet shall have a minimum weight capacity of 300 lbs.
C. IDF cabinets shall be wall mounting/using type and provide 19" rack mounting.
D. Rack shall be designed to allow for left or right-hand swing. Dimensions shall be a minimum of 36" X 23" X 30" D.

2.7 MDF EQUIPMENT CABINETS/FREE STANDING

- A. The unit shall be designed to provide a secure, managed environment for computer and networking equipment.
B. The unit shall conform to EIA-310 Standard for Cabinets, Racks, Panels and Associated Equipment and accommodate industry standard 19" rack mount equipment.

2.12 NON-CONTINUOUS CABLE SUPPORT

- A. Material
B. Contractor shall provide and install all non-continuous cable supporting hardware.
C. Non-continuous cable supporting hardware consists of J-hooks, multi-function clips, beam clamps, etc. Bridge rings or zip ties are not permitted.
D. Non-continuous cable supports shall provide a load bearing surface of sufficient width to comply with required bend radii of high-performance cables, UL Listed. Bridge rings are not permitted.

Structured Cabling 27 10 00 - 14

- D. The unit shall provide 42U of equipment vertical mounting space (1U=1.75" or 44.45mm).
E. The vertical mounting rails shall be adjustable to allow different mounting depths.
F. The unit shall include at least 60 sets of mounting screws, capped nuts, bolts and cup washers, and capped nut installation tool for the mounting of equipment inside the unit.
G. Both front and rear doors shall consist of quick release hinges allowing for quick and easy detachment without the use of tools.

2.13 BACKBOARDS

- A. Provide fire rated plywood 3/4 inch thick A/C Grade 36" X 24" W for mounting of wall mounted cabinets.
B. Backboards shall be painted with a light color, nonconductive fire-resistant overcoat. Backboards shall be free of voids, fill and sand prior to painting.
C. Cabinet shall be mounted on plywood backboard in location to be determined.

2.14 GROUNDING AND BONDING PRODUCTS

- A. Comply with UL 467, ANSII-STD-607 (most current) standard, and NFPA 70. Components shall be identified as required by TIA/EIA-606 (most current) standard.
B. MDF
1. All MDF Racks shall be installed with a Grounding Busbar (TGB)
a. The TGB shall be installed in accordance with ANSII-STD-607 (most current) standard.

Structured Cabling 27 10 00 - 15



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Consultant: REGISTERED PROFESSIONAL ENGINEER STEVEN C. MUSEY E-19811 Exp. 03/31/26 ELECTRICAL STATE OF CALIFORNIA

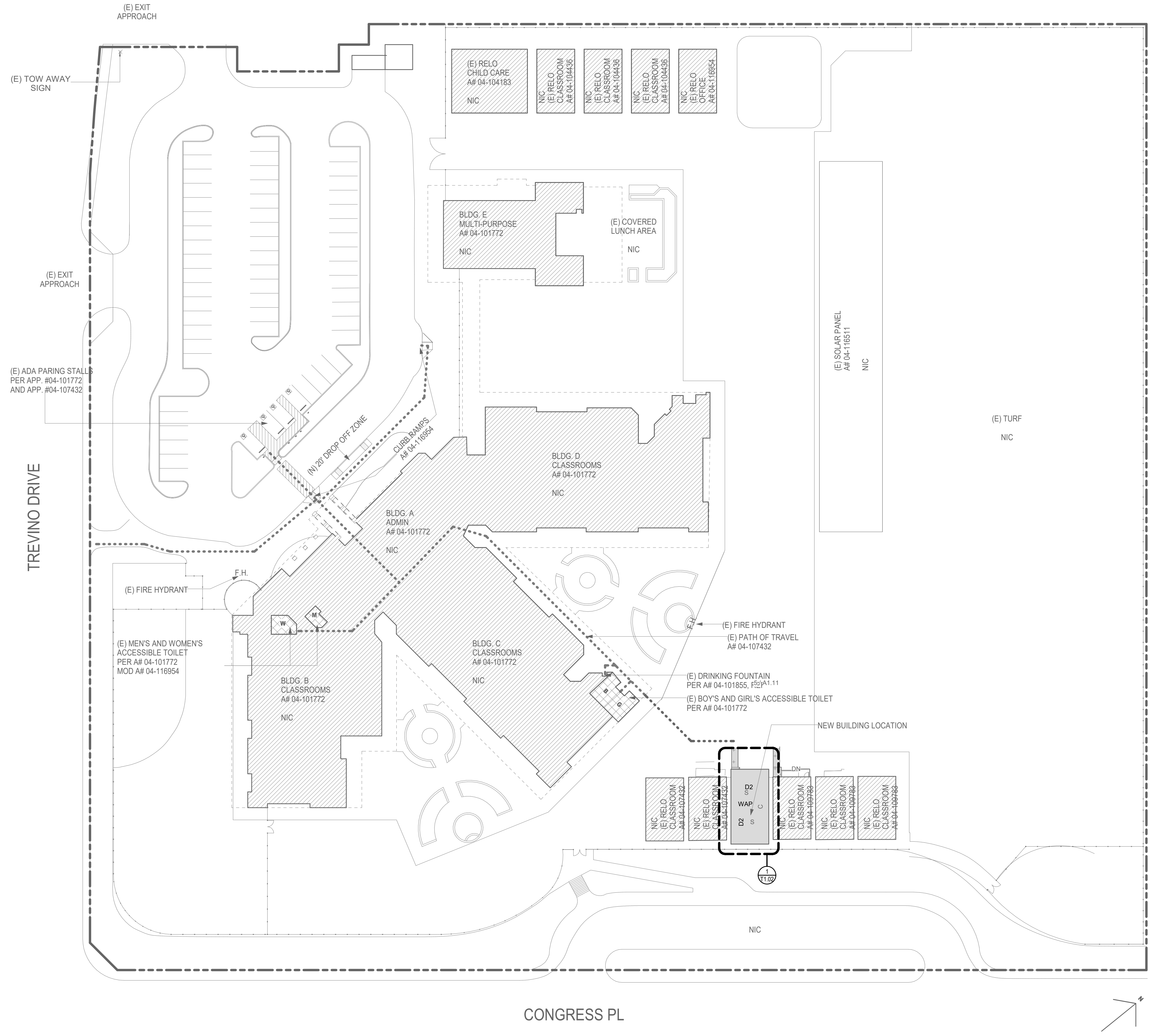
Structured Cabling 27 10 00 - 15

Architect: REGISTERED ARCHITECT JOHN C. COO C-348332 Exp. 10/31/25 ARCHITECT STATE OF CALIFORNIA

CLIENT: TUSD PROJECT NUMBER: 230380 DATE: xxxx

Table with 3 columns: No., Description, Date. Includes a section for REVISIONS.

TECHNOLOGY SPECS



GENERAL NOTES

1. ALL COILED CABLING SHALL BE REINSTALLED, TESTED AND TERMINATED TO DEVICES.
2. NEW FIBER SHALL BE EXTENDED FROM EXISTING IDF TO THE NEW RELOCATED PORTABLE IDF CABINET.

SITE PLAN LEGEND

- (E) BUILDING, NOT IN SCOPE
- SCOPE OF WORK
- (N) RELOCATABLE BLDGS

CLIENT
TUSD

DATE
xxxx

PROJECT NUMBER
230380

REVISIONS

No.	Description	Date

TECHNOLOGY SITE PLAN

T1.01

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DSA FILE NO.: XXXX DSA FILE NO.: XXXX

Tustin Unified School District

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STATE OF CALIFORNIA

ARCHITECT
BRUCE COO
C-34832
REL. 10/31/25
STATE OF CALIFORNIA



GENERAL NOTES

1. ALL COILED CABLING SHALL BE INSTALLED, TESTED AND TERMINATED TO DEVICES.
2. FOR ALL CABLING TO USE J-HOOKS ROUTING TO DESTINATIONS.
3. TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT.
4. FOR TECHNOLOGY RISERS SEE SHEET T5.01 FOR MORE INFORMATION
5. FOR TECHNOLOGY DETAILS SEE SHEET T6.01 FOR MOUNTING INFORMATION

KEY NOTES

1. APPROXIMATE LOCATION OF IDF CABINET.
2. CONNECT NEW 12SM FIBER FROM EXISTING IDF TO NEW PORTABLE IDF CABINET.
3. WALL MOUNTED DATA OUTLET. PROVIDE AND INSTALL OUTLET IN A SS BACKBOX WITH A SINGLE-GANG PLASTER RING. INSTALL A (1) 1" EMT CONDUIT FROM BACKBOX UP TO ACCESSIBLE CEILING SPACE WITH CAT6A CABLES. THEN RUN CAT6A CABLES IN ACCESSIBLE CEILING SPACE USING J-HOOKS TO THE IDF CABINET SERVING THIS AREA. PROVIDE 4-PORT FACEPLATES AND RJ45 JACKS FOR DATA AND VOICE. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS. PROVIDE ALL TERMINATION FOR A COMPLETE WORKING SYSTEM.
4. WIRELESS ACCESS POINT, CEILING MOUNT, "CFOP". PROVIDE DATA OUTLET FOR WIRELESS ACCESS POINT. (2) CAT6A CABLES, 2-PORT FLENUM RATED SURFACE MOUNT BOX ABOVE ACCESSIBLE CEILING AS INDICATED ON DRAWINGS. USE J-HOOKS TO SUPPORT NEW CABLING ABOVE ACCESSIBLE CEILING SPACE. FOR INACCESSIBLE CEILING SPACES NEW CONDUITS SHALL BE PROVIDED ABOVE CEILING TO THE IDF CABINET SERVING THIS AREA. PROVIDE 10' SLACK CABLE COILS ABOVE CEILING AT OUTLET LOCATION FOR FUTURE RELOCATION.

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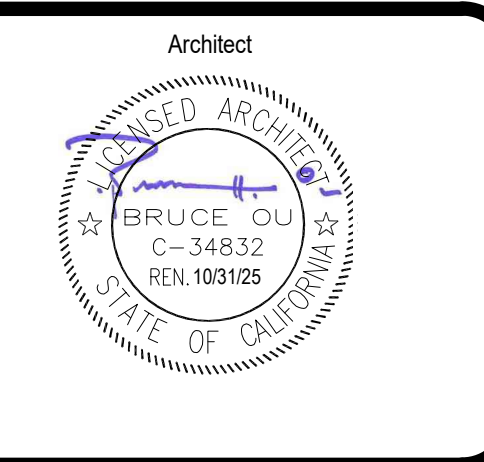
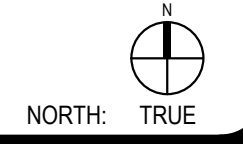
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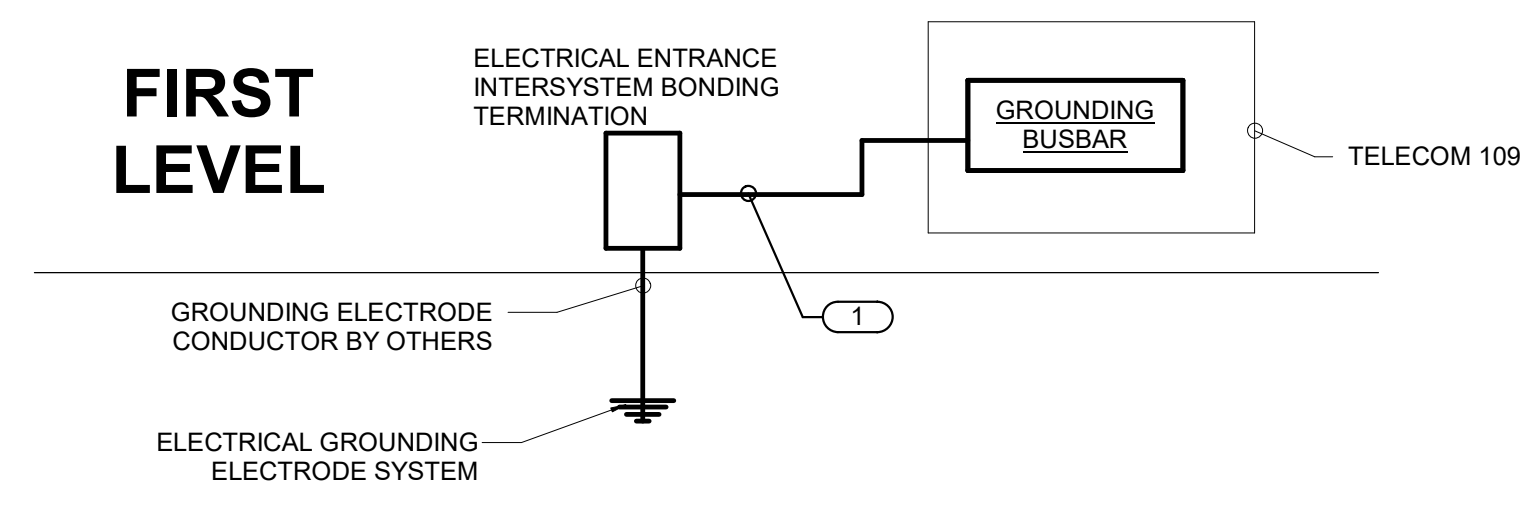
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TECHNOLOGY ENLARGED SITE PLAN

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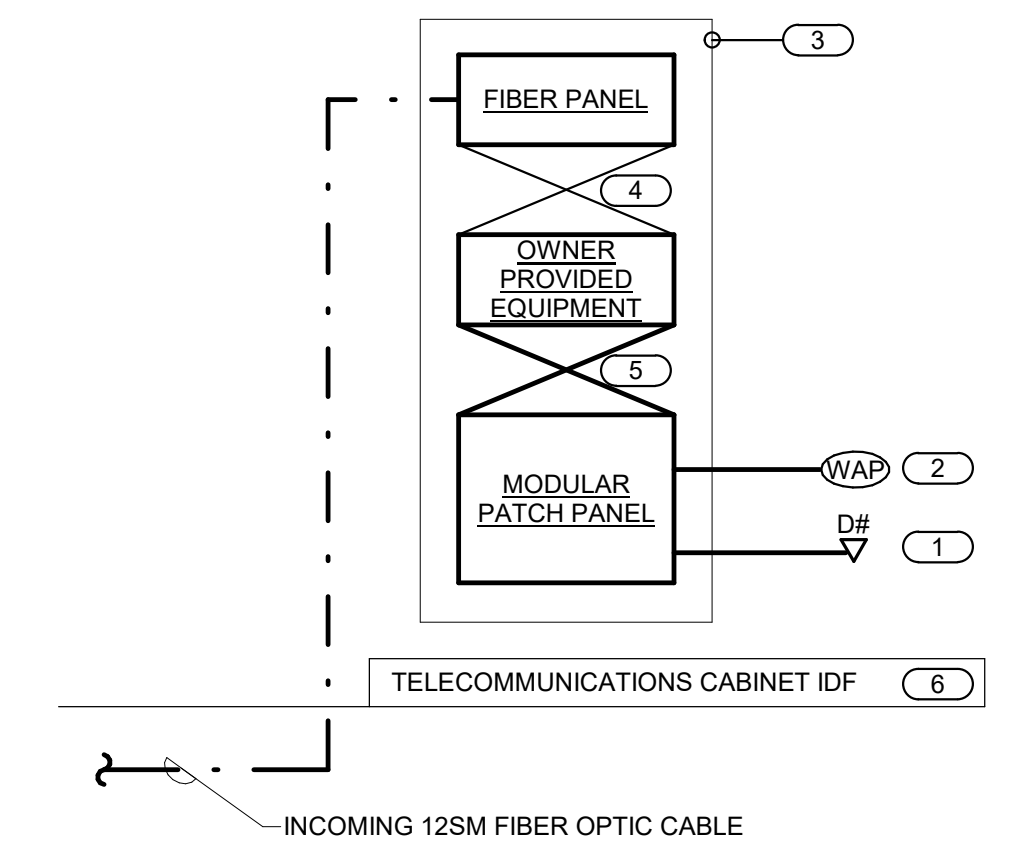


- NOTES:**
- THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 3/0 AWG PLENUM RATED COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.
 - REFER TO [5/TS.00] FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.

BONDING CONDUCTOR SIZING SCHEDULE	
CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE SIZE - AWG
LESS THAN 13'	6
14' - 20'	4
21' - 26'	3
27' - 33'	2
34' - 41'	1
42' - 52'	1/0
53' - 66'	2/0
GREATER THAN 66'	3/0

- KEYNOTES:**
- BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT). BCT SHALL BE THE SAME SIZE AS THE TBB OR LARGER. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING REQUIREMENTS.

1 TECHNOLOGY BONDING RISER DIAGRAM
1/2" = 1'-0"



- NOTES:**
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 - REFER TO FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.

- KEYNOTES: #**
- D# INDICATES VOICE/DATA FACEPLATE CONFIGURATION. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
 - (WAP) WIRELESS ACCESS POINT. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
 - RACK OR CABINET AS DEFINED ON THE TELECOM ROOM LAYOUT. REFER TO THE TELECOM ROOM REFERENCES MATRIX ON THE COVERPAGE FOR LOCATION.
 - OPTICAL FIBER PATCH CABLES.
 - RJ-45 TO RJ-45 CATEGORY 6A UTP PATCH CORDS, REFER TO SPECIFICATIONS FOR PATCH CORD REQUIREMENTS.
 - REFER TO COVERPAGE AND FLOOR PLANS FOR TELECOMMUNICATIONS ROOM LOCATIONS.

2 FIBER OPTIC AND COPPER RISER DIAGRAM
N.T.S.

Not for permitting or construction



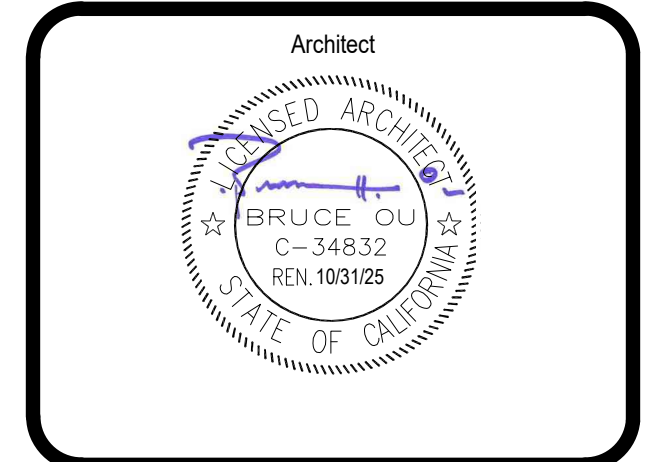
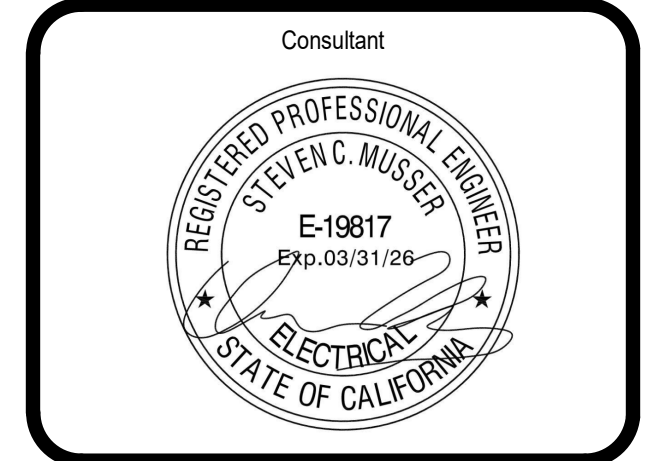
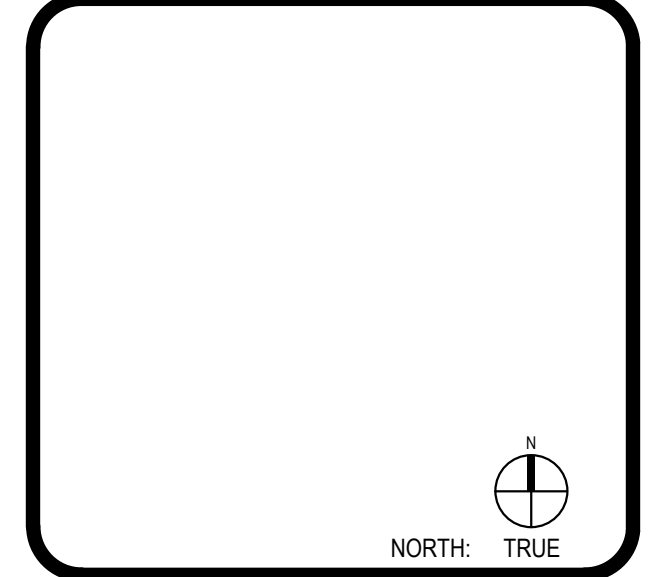
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MYFORD ELEMENTARY SCHOOL

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DSA APP# NO.: XXXX DSA FILE NO.: XXXX

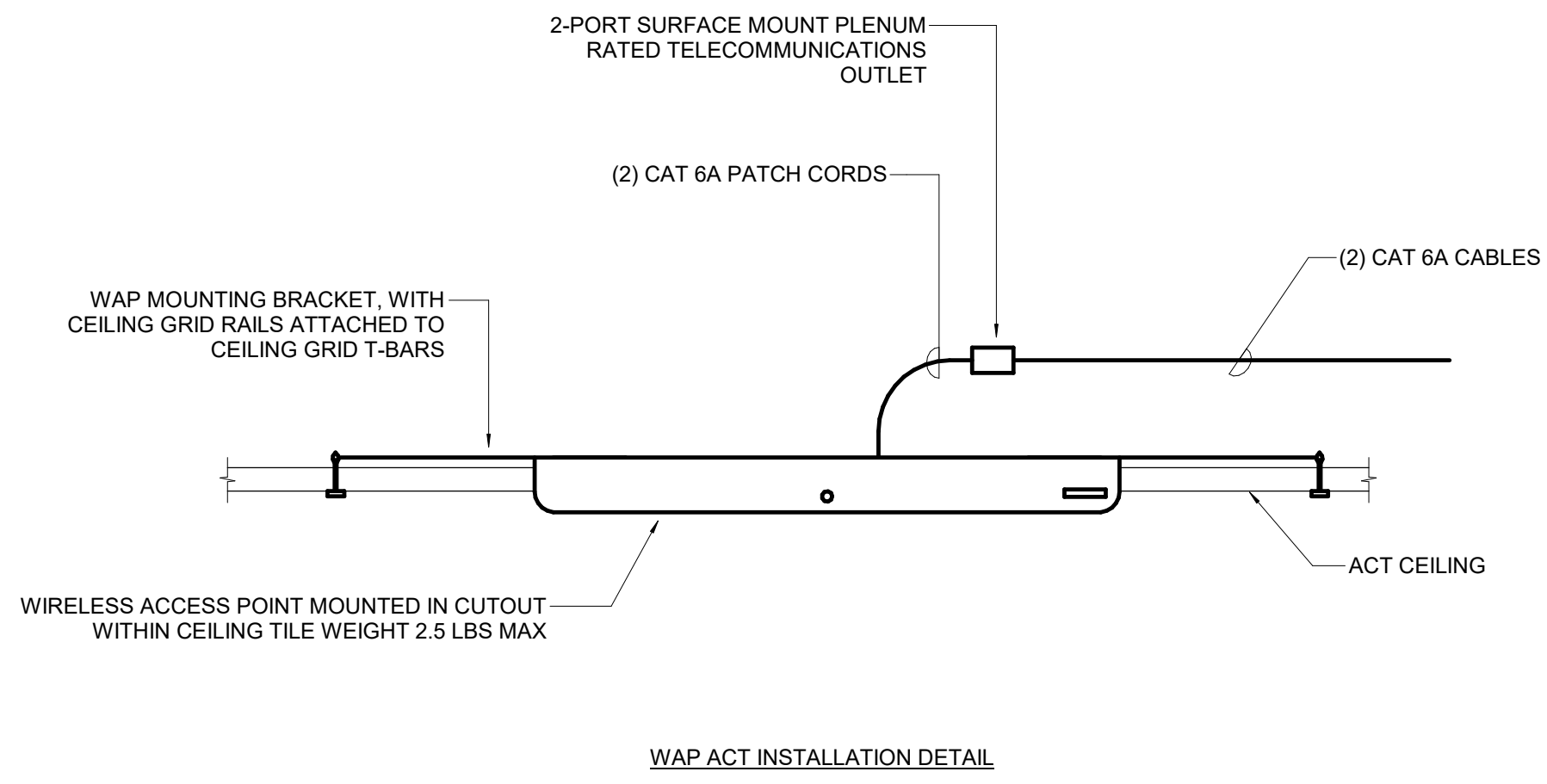


CLIENT		TUSD
DATE	PROJECT NUMBER	230380
xxxx		
REVISIONS		
No.	Description	Date

TECHNOLOGY RISER DIAGRAM AND SCHEDULES

This document is for plan review only

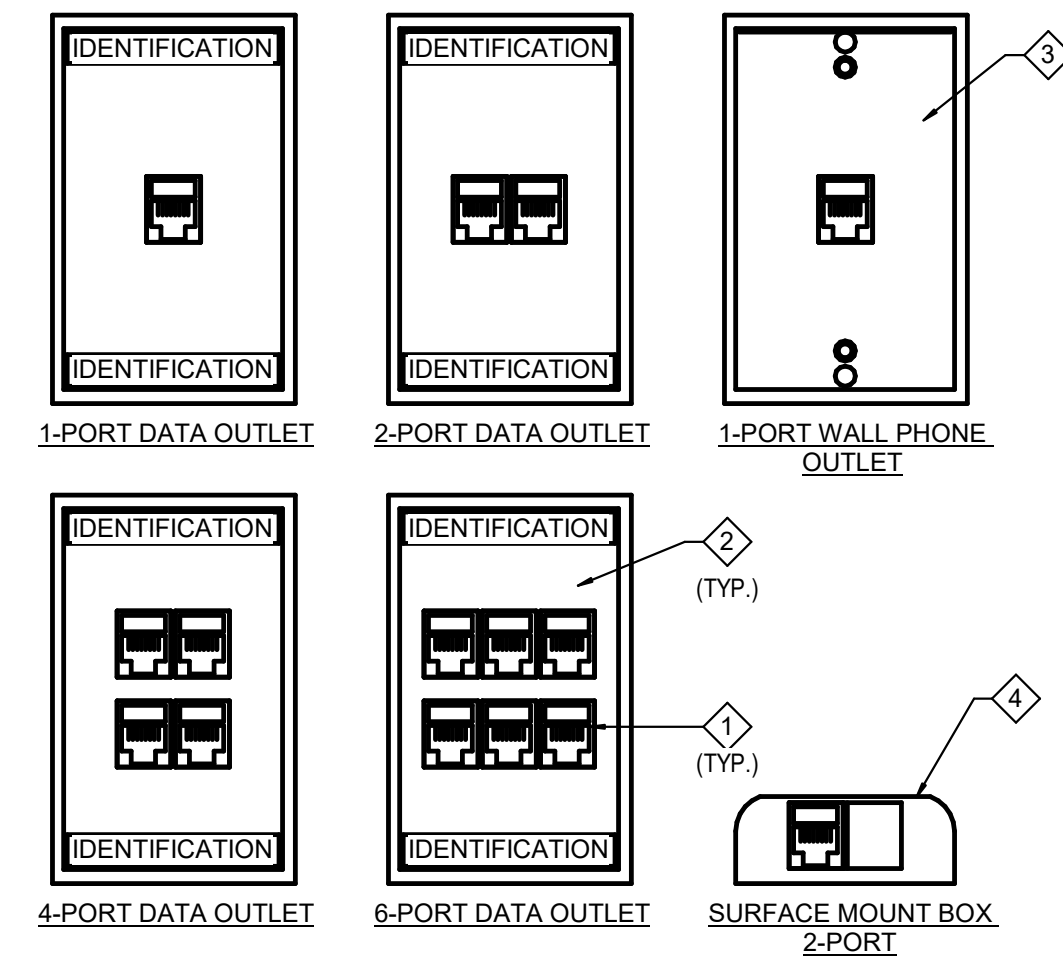
3 CEILING SPEAKER MOUNTING
12" x 1'-0"



NOTES:

- WHERE SUPPORTS ATTACH TO METAL ROOF DECKING, EXCLUDING CONCRETE ON METAL DECKING, DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER. THIS 25 LB. LOAD AND 2'-0" SPACING INCLUDE ELECTRICAL AND MECHANICAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, THE ADDITION OF SUPPLEMENTAL FRAMING OR STEEL FRAMING WILL BE REQUIRED.

1 DATA OUTLETS CONFIGURATION DETAIL
12" x 1'-0"



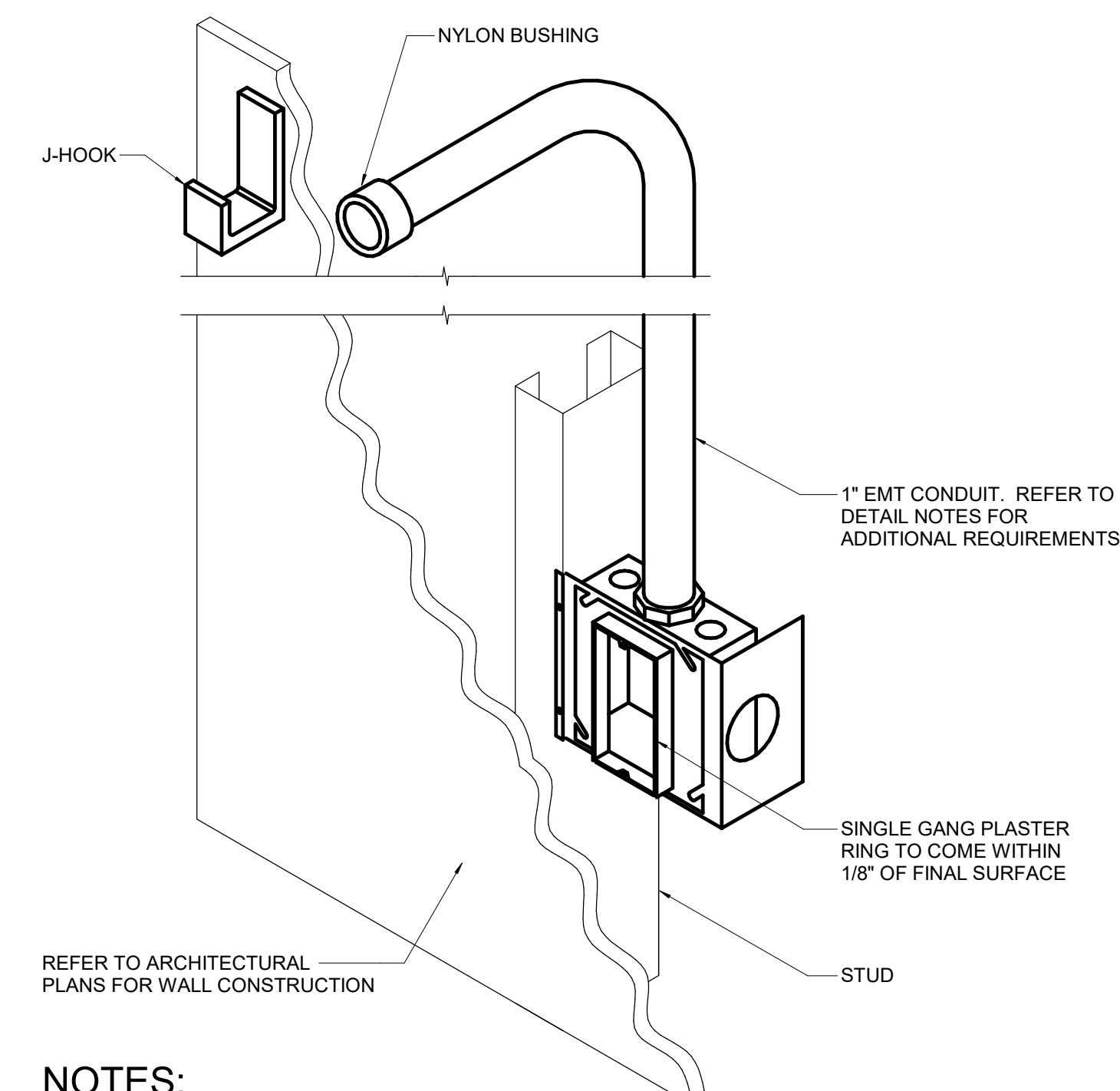
NOTES:

- REFER TO SPECIFICATION SECTION 27 15 00 - HORIZONTAL CABLING REQUIREMENTS FOR CATEGORY CABLE PERFORMANCE REQUIREMENTS.
- REFER TO SPECIFICATION SECTION 27 05 53 - IDENTIFICATION FOR DATA OUTLET PORT IDENTIFICATION.
- DATA OUTLET SHALL BE INSTALL IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. REFER TO DETAIL 1/75.01 TECHNOLOGY ROUGH-IN MOUNTING DETAILS FOR CONDUIT SIZE.
- PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS.
- USE T568B WIRING SCHEME TO TERMINATE THE TWISTED-PAIR CABLE ONTO THE CONNECTOR INTERFACE.
- WHERE APPLIES PER PLANS, PROVIDE AV OUTLET WITH HDMI CONNECTION PER BELOW.
 - PANDUIT COVER PLATE: CBEWY OR APPROVED EQUAL
 - PANDUIT JACK (HDMI 2.0) CMMHDMW OR APPROVED EQUAL
 - PANDUIT MODULAR INSERT: CHF2W-X OR APPROVED EQUAL

KEYNOTE NOTES:

- PROVIDE CAT6 RJ-45 JACKS, 8-POSITION, 8-CONTACT (8P8C), COLOR BLUE FOR DATA, WHITE FOR VOICE, RED FOR SECURITY.
 - PANDUIT PRODUCTS "CJ688TGBU", COMMSCOPE "MGS400-318" OR APPROVED EQUAL.
- PROVIDE 1.24-PORT FACEPLATE AS INDICATED ON DRAWINGS.
 - 1-PORT: PANDUIT PRODUCTS "CFPE1WHY", COMMSCOPE OR APPROVED EQUAL.
 - 2-PORT: PANDUIT PRODUCTS "CFPE2WHY", COMMSCOPE OR APPROVED EQUAL.
 - 4-PORT: PANDUIT PRODUCTS "CFPE4WHY", COMMSCOPE OR APPROVED EQUAL.
 - 6-PORT: PANDUIT PRODUCTS "CFPE6WHY", COMMSCOPE OR APPROVED EQUAL.
- PROVIDE STAINLESS STEEL 1-PORT FACEPLATE FOR OUTLETS INDICATED WITH "W" ON DRAWINGS. "W" INDICATES WALL PHONE MOUNTED AT 48" AFF FOR WALL HUNG PHONE.
 - 1-PORT: WALL PHONE "W" PANDUIT PRODUCTS "KW96PY", COMMSCOPE OR APPROVED EQUAL.
- PROVIDE SURFACE MOUNT BOX, PLENUM RATED, MOUNTED ABOVE CEILING FOR CONNECTIONS TO WIRELESS ACCESS POINTS.
 - 2-PORT: PANDUIT PRODUCTS "CBX2WH-AY", COMMSCOPE OR APPROVED EQUAL.

2 TECHNOLOGY ROUGH-IN MOUNTING
N.T.S.



NOTES:

- 1" EMT CONDUIT SHALL STUB UP TO NEAREST ACCESSIBLE CEILING AND TERMINATE ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE. CONDUIT RUN SHALL NOT CONTAIN MORE THAN 180 DEGREES OF BEND BETWEEN ACCESSIBLE JUNCTION BOXES OR BETWEEN JUNCTION BOX AND END OF CONDUIT.
- WHERE CONDUIT STUB IS LOCATED IN A ROOM WITH AN ACCESSIBLE CEILING AND IS NOT REQUIRED TO RUN TO CABLE ROUTE LOCATED OUTSIDE THE ROOM, STUB MUST TERMINATE ABOVE THE ACCESSIBLE CEILING WITH A 90-DEGREE BEND AT THE TOP ORIENTED IN TO THE ROOM AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE IN THE ROOM.
- ALL STUBS MUST BE FITTED WITH A NYLON BUSHING ON EACH END OF THE CONDUIT.
- INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR TECHNOLOGY ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.

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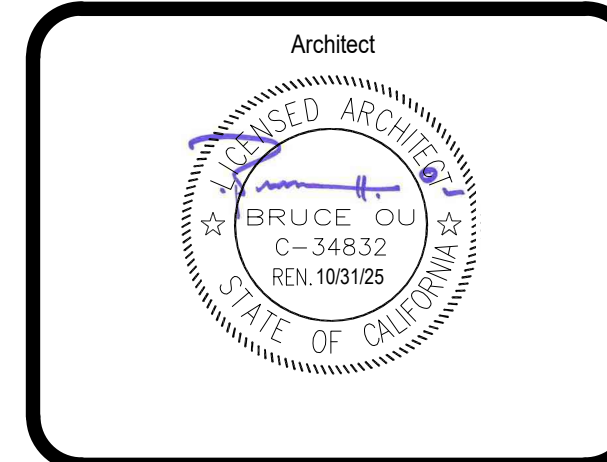
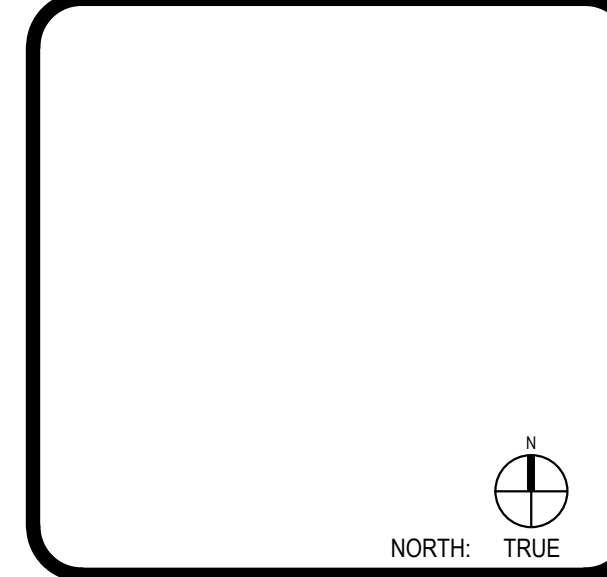
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DSA-APPL. NO.: XXXX DSA-FILE NO.: XXXX



CLIENT		TUSD	
DATE	xxxx	PROJECT NUMBER	230380
REVISIONS			
No.	Description	Date	

TECHNOLOGY DETAILS

ARCHITECTURAL

6	General Architectural Sheets 1/4" = 1'-0"	GENERAL ARCHITECTURAL SHEETS	Sheet
	COVER SHEET		A0.0
	PROJECT OPTIONS SCHEDULE		A0.0.1
	TYPICAL KEY PLAN AND SCHEDULE, GEN NOTES		A0.1
	SIGNAGE AND SYMBOLS		A0.2
	DSA-103 T&I CONCRETE FLOORS		A0.3
	DSA-103 T&I PLYWOOD FLOORS		A0.4
	CALGREEN SPEC'S		A0.5
	CALGREEN SHEET		A0.6
	CALGREEN SHEET		A0.7
	CALGREEN SHEET		A0.8
5	Floor Plan Details 1/4" = 1'-0"	ARCHITECTURAL FLOOR PLANS	Sheet
	Floor Plans	Floor Plan - 24'x40'	A1.0
		Floor Plan - 36'x40'	A1.1
		Floor Plan - 48'x40'	A1.2
1	Arch Floor Framing Details 1/4" = 1'-0"	ARCHITECTURAL FLOOR FRAMING DETAILS	Sheet
	Wood Floor		A2.9
	Concrete Floor		A2.9
2	Wall Schedule 1/4" = 1'-0"	ARCHITECTURAL WALL DETAILS	Sheet
	Wood Studs	Detail	Sheet
	Sheating	Door ML Window Corner HVAC Top PLT6" SEP 1-HR OPT 1 1-HR OPT 2 EXT HDR INT HDR	A2.1(A)
	Sheating		A2.1(B)
	Plaster		A2.2
	1-HR Sheating		A2.5(A)
	1-HR Sheating		A2.5(B)
	1-HR Plaster		A2.6
	Additional Fire Rating Details and Notes		A3.0
	Single OCC. Bathroom		A3.1
	Single OCC. Bathroom		A3.1.1

4	Ceiling Plans 1/4" = 1'-0"	ARCHITECTURAL CEILING PLANS	Sheet
	Reflected Ceiling Plans:	24' x 40'	A3.2
		36' x 40'	A3.2
		48' x 40'	A3.2
	Ceiling Notes		A3.2.1

3	Ceiling Details 1/4" = 1'-0"	ARCHITECTURAL CEILING DETAILS	Sheet
	Ceiling Framing	Detail	Sheet
	T-GRID	Wall Joists Access BLK'G	A3.3
	Wood		A3.4

7	Roof Plans 1/4" = 1'-0"	ARCHITECTURAL ROOF PLANS	Sheet
	Mono	EPDM Standing Seam Parapet	A4.2.1 A4.0.1 A4.4.1
	Dual	EPDM Standing Seam	A4.2.2 A4.0.2

22	Roof Details 1/4" = 1'-0"	ARCHITECTURAL ROOF DETAILS	Sheet
	Mono	EPDM Standing Seam Parapet	A4.3 A4.1 A4.5
	Dual	EPDM Standing Seam	A4.3 A4.1

8	Arch Building Section 1/4" = 1'-0"	ARCHITECTURAL BUILDING SECTION	Sheet
	Mono	EPDM Standing Seam	A6.3 A6.0
	Dual	EPDM Standing Seam	A6.1 A6.0.1
	Section		A6.2

ARCHITECTURAL

13	Exterior Elevations 1/4" = 1'-0"	ARCHITECTURAL EXTERIOR ELEVATIONS	Detail	Sheet	Detail	Sheet
	Exterior Elevations:	24'x40'	Left Right	Sheet	Front Rear	Sheet
		Mono Slope	1 2	A5.0	1 2	A5.1
		Parapet Roof - Mono Slope	3 4	A5.0	3 4	A5.1
		Dual Slope	5 6	A5.0	1 2	A5.1
		36'x40'				
		Mono Slope	1 2	A5.0	5 6	A5.1
		Parapet Roof - Mono Slope	3 4	A5.0	7 8	A5.1
		Dual Slope	5 6	A5.0	5 6	A5.1
		48'x40'				
		Mono Slope	1 2	A5.0	9 10	A5.1
		Parapet Roof - Mono Slope	3 4	A5.0	11 12	A5.1
		Dual Slope	5 6	A5.0	9 10	A5.1

14	Interior Elevations 1/4" = 1'-0"	ARCHITECTURAL INTERIOR ELEVATIONS	Detail	Sheet
	Interior Elevations:	24'x40'	Left Right Front Rear	Sheet
		36'x40'	1 2 3 4	A5.2
		48'x40'	1 2 5 6	A5.2

23	ADDITIONAL OPTIONS DETAILS 1/4" = 1'-0"	ADDITIONAL OPTIONS DETAILS	Sheet
	ADDITIONAL OPTIONS DETAILS		A7.0
	ADDITIONAL OPTIONS DETAILS		A7.1
	ADDITIONAL OPTIONS DETAILS		A7.2

MEP

9	Plumbing 1/4" = 1'-0"	PLUMBING	Sheet
	Plumbing Details and Schedules		P1.0

10	Mechanical 1/4" = 1'-0"	MECHANICAL	Sheet
	MISCELLANEOUS NOTES & DETAILS		M0.1
	Mechanical Plans:	24' x 40'	Wall Mount Roof Mount
		36' x 40'	Wall Mount Roof Mount
		48' x 40'	Wall Mount Roof Mount
		60' x 40'	Wall Mount Roof Mount
		72' x 40'	Wall Mount Roof Mount
		84' x 40'	Wall Mount Roof Mount
		96' x 40'	Wall Mount Roof Mount
		108' x 40'	Wall Mount Roof Mount
		120' x 40'	Wall Mount Roof Mount

11	Electrical 1/4" = 1'-0"	ELECTRICAL	Sheet
	Reflected Ceiling Plans:	24' x 40'	E1.0 E1.1
		36' x 40'	E1.2 E1.3
		48' x 40'	E1.4 E1.5
		60' x 40'	
		72' x 40'	
		84' x 40'	
		96' x 40'	
		108' x 40'	
		120' x 40'	

STRUCTURAL

15	Foundations Plans 1/4" = 1'-0"	FOUNDATION	Sheet
	Wood Foundation Plan:	Wood Foundation NOTES SCHED FOR BLDG W/ 50+15	F1.10
		24'x40' (50+15 PSF)	F1.11
		24'x40' (100 PSF)	F1.21
		24'x40' (150 PSF)	F1.31
		36'x40' (50+15 PSF)	F1.12
		36'x40' (100 PSF)	F1.22
		36'x40' (150 PSF)	F1.32
		48'x40' (50+15 PSF)	F1.13
		48'x40' (100 PSF)	F1.23
		48'x40' (150 PSF)	F1.33
		Wood Foundation Details	F1.40
	Concrete Foundation Plan		F2.10
	Concrete Above Grade Foundation Details		F2.20
	Concrete Below Grade Foundation Details		F2.22

16	General Structural Sheets 1/4" = 1'-0"	GENERAL STRUCTURAL SHEETS	Sheet
	STRUCTURAL GEN NOTES		S0.1

17	Floor Framing Plans 1/4" = 1'-0"	STRUCTURAL FLOOR FRAMING PLANS	Sheet
	Wood Sheating Floor:	(50+15 PSF) (100 PSF) (150 PSF)	S1.01 S1.02 S1.03
	Concrete Framing Floor:	(50+15 PSF) (100 PSF) (150 PSF)	S1.1.1 S1.1.2 S1.1.3

19	Floor Framing Details 1/4" = 1'-0"	STRUCTURAL FLOOR FRAMING DETAILS	Sheet
	Wood Framing		S1.2
	Concrete Framing		S1.2

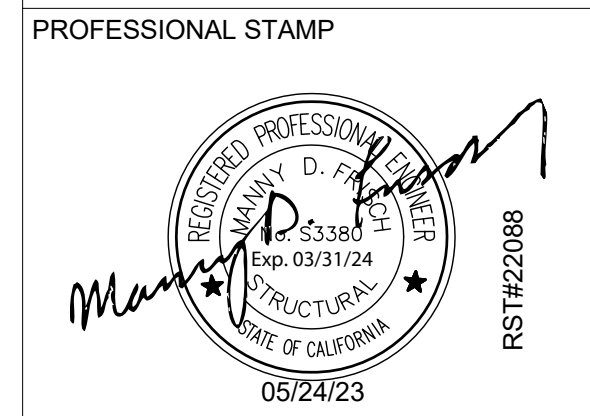
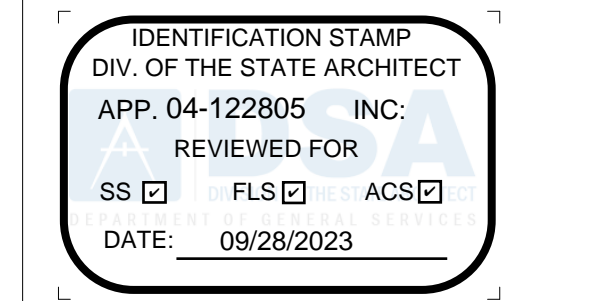
18	Roof Framing Plans 1/4" = 1'-0"	STRUCTURAL ROOF FRAMING PLANS	Sheet
	Mono Slope Roof Framing		S3.0.1
	Dual Slope Roof Framing		S3.0.2
	STRUCTURAL DETAILS ROOF		Sheet

	STRUCTURAL DETAILS		S3.1
	ROOF DETAILS(SOFFIT/ PARRAPET)		S3.2
	ROOF PERIMETER TRUSS		S3.3

20	Wall Framing Details 1/4" = 1'-0"	STRUCTURAL WALL FRAMING DETAILS	Sheet
	Wood:	Framing Elevation Wall Details	S4.1 S4.2
	Typ Framing:		S4.4
	Framing Schedule:		S4.5

21	Building Section 1/4" = 1'-0"	STRUCTURAL BUILDING SECTION	Sheet
	Mono		S5.0
	Dual		S5.1

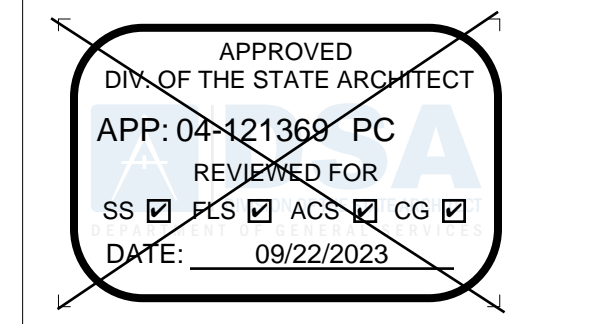
PROJECT SPECIFIC STATE AGENCY APPROVAL



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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule		
#	Description	Date

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A separate project application for construction is required

PROJECT TITLE	PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'
SHEET TITLE	PROJECT OPTIONS SCHEDULE
PROJECT NUMBER	22088
DRAWN BY	rMc/SC
CHECKED BY	RH/RT
DATE	06/15/2021
SHEET NO.	A0.0.1

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Door Schedule								
Mark	Type	Width	Height	Door Material	Frame Type	Wall Thickness	Hardware	Fire Rating
1	D1	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	5 1/4"	HW1	20 Minute min.
2	D	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	5 1/4"	HW2	20 Minute min.
3	D	3'-0"	7'-0"	Solid Core Wood Legacy	Knock Down	5 1/2"	HW3	20 Minute min.
4	D	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	5 1/4"	HW1	20 Minute min.

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. CLIMATE ZONE DATA INCLUDED ON LABEL.
 (1) LABEL AT REAR EXTERIOR (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, AND K21 = 1.0 PER 2022 CBC

2. VINYL TACKBOARD TO HAVE A CLASS 1 FLAME SPREAD RATING AND COMPLY WITH A SMOKE DENSITY OF 175

3. VERIFIED ALL DIMENSIONS PRIOR TO CONSTRUCTION

4. SEE INTERIOR ELEVATIONS FOR ALL REQUIRED EGRESS SIGNAGE AND FIRE ALARM SYSTEM COMPONENTS

5. WHEN RELOCATING OR REMOVING INTERIOR PARTITIONS (2) EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED. EXIT DOORS MUST BE SEPARATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-HALF OF THE MAXIMUM OVERALL DIAGONAL DIMENSION FOR ALL NONSPRINKLERED BUILDINGS. EXIT DOORS MUST BE SEPARATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-THIRD OF THE MAXIMUM OVERALL DIAGONAL DIMENSION FOR ALL SPRINKLERED BUILDINGS. ALL EXIT AND EXIT ACCESS DOORWAYS MUST COMPLY WITH CBC SECTION 1015 EXIT AND EXIT ACCESS DOORWAYS AND CBC SECTION 1016 EXIT ACCESS TRAVEL DISTANCE.

6. OCCUPANCY LOAD SIGNS SHALL BE POSTING AND COMPLY WITH CBC SECTION 1004.3

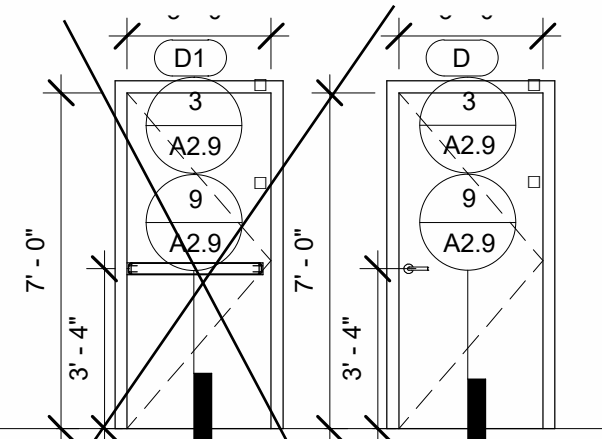
7. SEE ADDITIONAL PC FOR ACCESS RAMPS AND STAIRS. WHERE RAMP IS AGAINST THE WALL AT PLASTER EXTERIOR OR ADJACENT TO ANY ABRASIVE SURFACE THEN A SMOOTH TROWEL SURFACE MUST BE PROVIDED AT THESE LOCATIONS OR AN ALTERNATIVE APPLICATION THAT COMPLIES WITH CBC SECTION 11B-505.8

8. ALL SURFACES ADJACENT TO HANDRAILS SHALL NOT HAVE ANY SHARP, ABRASIVE, OR PROTRUDING COMPONENTS

9. HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES. PER 11B-505.8

10. FOR PLASTER WALLS PROVIDE CONTROL JOINTS AT ALL MODLINES, ENDWALLS @ 2'-0" FROM EDGE, 10'-0" o/c @ SIDEWALLS, AND ABOVE AND BELOW ALL OPENING. SEE EXTERIOR ELEVATIONS. ALL MATERIALS, MEANS, METHODS, AND PROCEDURES OF CONSTRUCTION USED TO PROTECT JOINTS SHALL COMPLY WITH FIRE RATED WALL ASSEMBLY PER CBC SECTION 703.2 - FIRE RESISTANCE RATING AND CBC SECTION 705 - EXTERIOR WALLS

11. FOR HVAC UNITS WHICH HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" AND LOCATED IN PEDESTRIAN PATH OF TRAVEL, A PROTECTION RAIL AROUND THE HVAC UNIT WILL BE PROVIDED. PER MNF INSTALLATION INSTRUCTIONS. SEE 4/A7.2 OR 5/A7.2.



- ALL DOORS SHALL COMPLY WITH CBC SECTION 11B-404 AND BE 1 3/4" THK (UNO)
- CENTER ALL DOOR LEVERS FOR ACCESS AND LOCKING @ 40" ABOVE FINISH FLOOR. ALL HARDWARE SHALL OPEN FROM THE INTERIOR AND NOT REQUIRE ANY SPECIFIC KNOWLEDGE OF THE HARDWARE OR PROVIDE ANY SPECIAL EFFORT FOR EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE FACE OF THE DOOR TO PREVENT CATCHING ON THE CLOTHING (etc.) OF PERSONS DURING EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL EXTEND AT A MINIMUM OF ONE-HALF THE DOOR WIDTH.
- PER CBC 1010.1.10 FOR ANY ROOM CONFIGURATION WHICH PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE AND COMPLY WITH ALL REQUIREMENTS OF SECTION 11B-309 OF THE CBC. ALL HARDWARE SHALL COMPLY WITH HARDWARE SCHEDULE THIS SHEET.
- PER CBC 11B-309.4 THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAX.
- PER CBC 11B-404.2.8.2 DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSE POSITION IN 1.5 SECONDS MINIMUM. ALL CLOSER MUST COMPLY WITH CBC 11B-404.2.8.1 - DOOR CLOSER 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 5 SECONDS OR LESS.
- THE MAXIMUM AREA OF EXTERIOR WALL OPENING PER CBC TABLE 705.8 AND THE FIRE PROTECTION FOR EXTERIOR WALL PER CBC TABLE 602. ALL FIRE PROTECTION BASED ON THE FIRE SEPARATION DISTANCE.
- DOOR LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
- (PH) ON PLANS THE SHEET INDICATES REQUIRED PANIC HARDWARE.
- PROVIDE EXIT SIGNS AS REQUIRED PER CBC SECTION 1013.4. SEE DETAILS PER A0.2
- ALL EXIT DOORS SHALL BE OPENABLE FROM INSIDE W/O ANY USE OF SPECIAL TOOLS, KNOWLEDGE OR EFFORT.

2 A0.1 GENERAL NOTES

MOISTURE PROTECTION INSULATION:
 MATERIAL:
 INSULATION MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 2022. (CLASS A = 0-25 FLAME SPREAD;) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

INSULATION VALUES
 SEE TITLE 24 SHEETS FOR REQUIRED INSULATION VALUES PER CLIMATE ZONE

EXTERIOR WALL INSULATION (MIN.)
 X R-19 (2x6 STUD) JOHNS MANVILLE OR EQUAL /VILLE OR EQUAL

INTERIOR WALL INSULATION (MIN.)
 X R-13

FLOOR INSULATION (MIN.)
 X CONCRETE SLAB WITH R-19 FIBERGLASS INSULATION
 X PLYWOOD FLOOR WITH R-19 FIBERGLASS INSULATION

ROOF INSULATION (MIN.)
 X R-36 CONTINUOUS R-X(1) (STANDING SEAM)

CLIMATE ZONE	MINIMUM R-VALUE OF AIR-IMPERMEABLE INSULATION*
2B and 3B tile roof only	0 (none required)
1, 2A, 2B, 3A, 3B, 3C	R-5
4C	R-10
5A, 4B	R-15
6	R-20
7	R-25
8	R-30
9	R-35

* See Table 1202.3 Insulation for Condensation Control

3 Insulation Specs

EMERGENCY EXIT AND PANIC HARDWARE: INDICATE ON DRAWINGS AND SPECIFICATIONS COMPLIANCE WITH SFM STANDARD 12-10.3 SECTION 12-10.302. (a) THE CROSS BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR GATE. (b) THE ENDS OF THE CROSS BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS. PROVIDE CUT-SHEETS OF PANIC HARDWARE TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS. PROVIDE CUT-SHEETS OF PANIC HARDWARE TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS. PROVIDE CUT-SHEETS OF PANIC HARDWARE TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS. MUST BE COORDINATED WITH THE DESIGN NUMBERS. CUSTOM DESIGNS WHICH COMBINE COMPONENTS FROM VARIOUS DESIGNS BUT HAVE NOT BEEN TESTED AS A LISTED ASSEMBLY WILL NOT BE ACCEPTABLE.

Room Number	Flooring		Wall Finish					Ceiling		Notes
	Floor	Base	Front	Left	Rear	Right	Type	Ht.		
CLASSROOM	Carp.	4" TS	Tack	Tack	Tack	Tack	CP	8'-6"		
CLASSROOM w/ PH	Carp.	4" TS	Tack	Tack	Tack	Tack	CP	8'-6"		
SINGLE OCC.	SV	6" TS	FRP	FRP	FRP	FRP	CP	8'-0"		
SINGLE OCC.	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"		

Abbreviations:
 FLOORING
 CARP: COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
 SV: SHEET VINYL FLOORING
 VCT: VINYL COMPOSITION TILE

BASE
 4" TS: 4" TOP SET BASE
 6" TS: 6" TOP SET BASE

WALLS
 TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING
 FRP: 1/8" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD
 GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
 PLY: 1/2" PLYWOOD FINISH
 NF: NO FINISH SC; 6" SELF-COVE BASE

CEILING
 CP: ACOUSTICAL LAY IN GRID CEILING PANELS
 HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
 GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

Finishes Notes
 1. ALL FINISHES SHALL COMPLY WITH CBC, TITLE 19, AND C.F.C
 2. PER ASTM D2047 ALL FLOORING WITH A COEFFICIENT OF FRICTION OF A MINIMUM OF 0.6 WILL BE CONSIDERED TO OBTAIN THE INTENT OF A SLIP RESISTANCE SURFACE.
 3. FLOORING CONTRACTOR IS RESPONSIBLE FOR SUB-FLOORING PREPARATION. ALL PLYWOOD TO BE APA RATED AND COMPLY WITH PS-19. PLYWOOD SURFACE TO BE CARPETED IS TO BE PLUGGED AND SANDED BY FLOORING CONTRACTOR. ALL DEFORMITIES OCCURRING DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE PLUGGED AND SANDED BY FLOOR CONTRACTOR. MATELINE JOINTS TO BE A MAX OF 1/8" AND SHALL BE PLUGGED AND SANDED BY FLOORING CONTRACTORS.
 4. ALL CARPET AND FLOOR FINISH MUST COMPLY PER CBC SECTION 11B-302 FLOOR AND GROUND SURFACES. ALL CHANGES IN ELEVATION SHALL COMPLY WITH CBC SECTION 11B-303 CHANGES IN LEVELS

5 Finishes and Materials

HARDWARE SCHEDULE

EXT CLASSROOM DOORS W/ PANIC		EXT CLASSROOM DOORS		INT BOYS & GIRLS RESTROOM DOORS	
LOCKSET	SCHLAGE RIM CYLINDER 20022 C123 626 1-BITTED	LOCKSET	TAH LHV 75 SAT 626	LOCKSET	TAH LHV 75 SAT 626
EXIT DEVICE	VON DUPRIN AX-PA 99L-2 626	BUTTS	SCHLAGE 23-065 626 W/ SPECIAL TAIL	BUTTS	SCHLAGE 23-065 626 W/ SPECIAL TAIL
CLOSER	TAH FB179 4.5 X 4.5 NRP 626	CLOSER	TAH FB179 4.5 X 4.5 NRP 626	CLOSER	TAH FB179 4.5 X 4.5 NRP 626
WEATHER STRIP	NORTON 8501DA 689	WEATHER STRIP	HAGER 891SAV 3684	WEATHER STRIP	HAGER 891SAV 3684
THRESHOLD	HAGER 413SA 36	THRESHOLD	HAGER 413SA 36	THRESHOLD	HAGER 413SA 36
DOOR BOTTOM	PEMCO 315CN 36	DOOR BOTTOM	PEMCO 315CN 36	DOOR BOTTOM	PEMCO 315CN 36

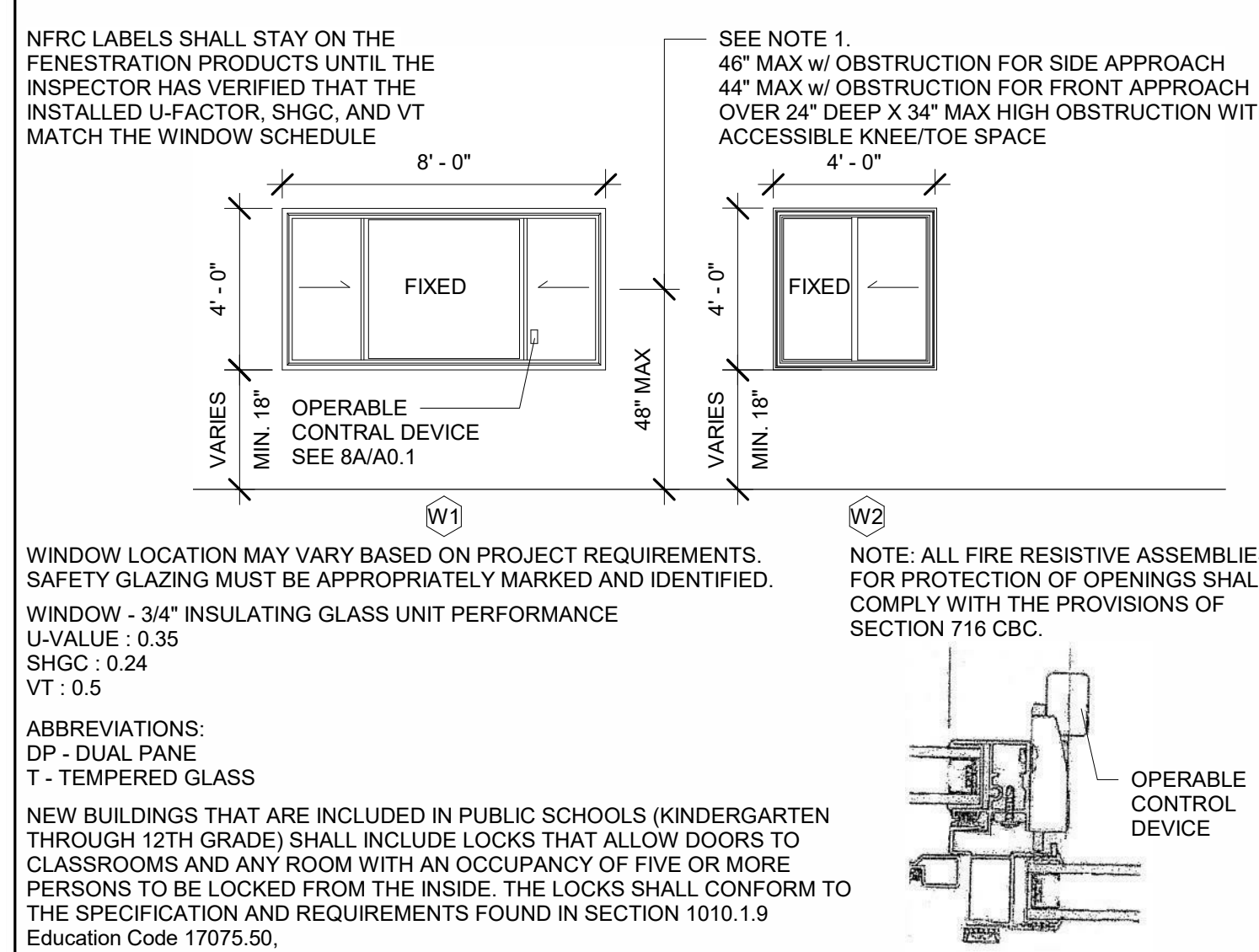
NOTE: ALL CLASSROOM DOORS SHALL BE LOCKABLE FROM INSIDE

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 SS FLS ACS
 DATE: 11/20/2023

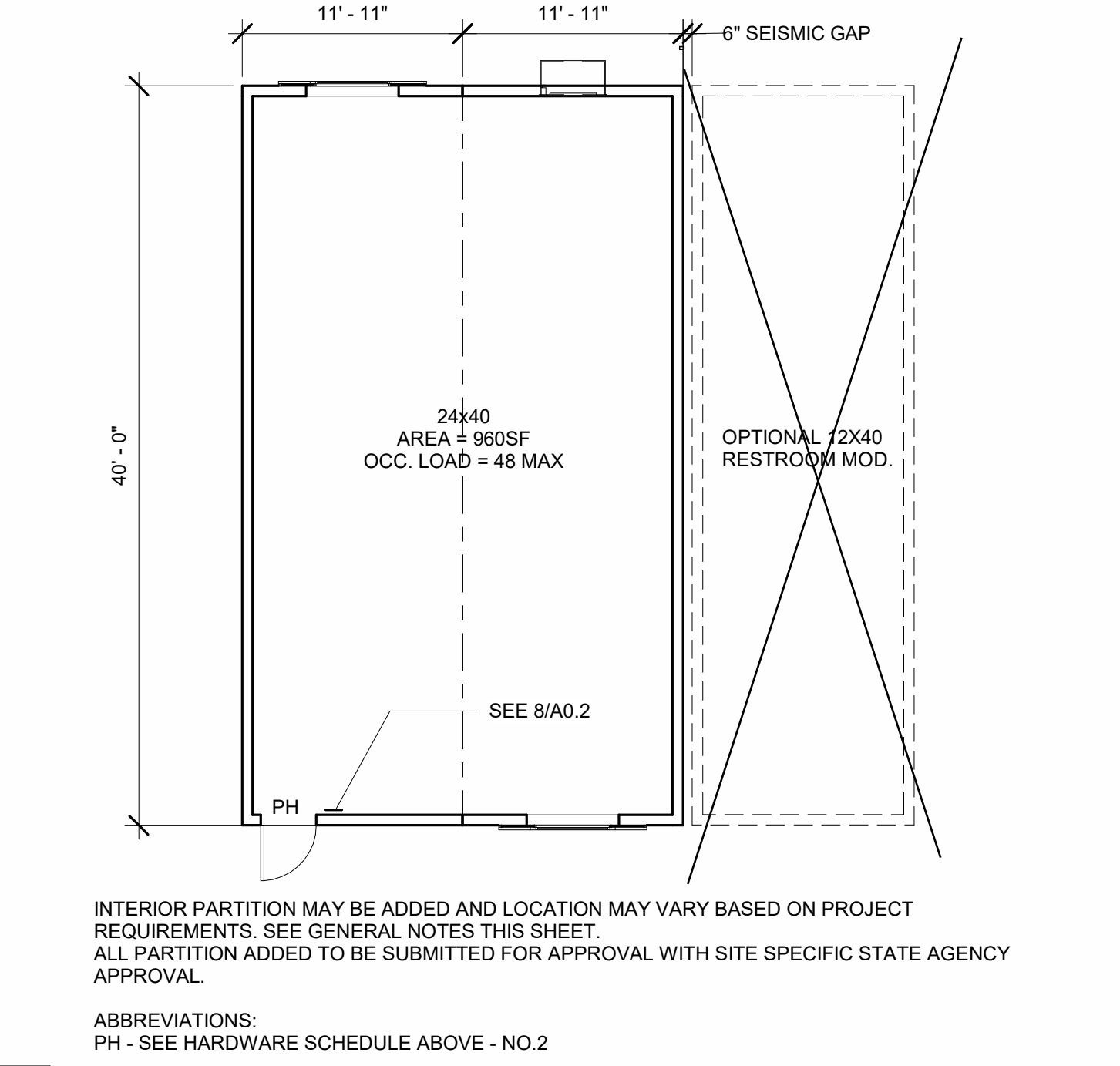
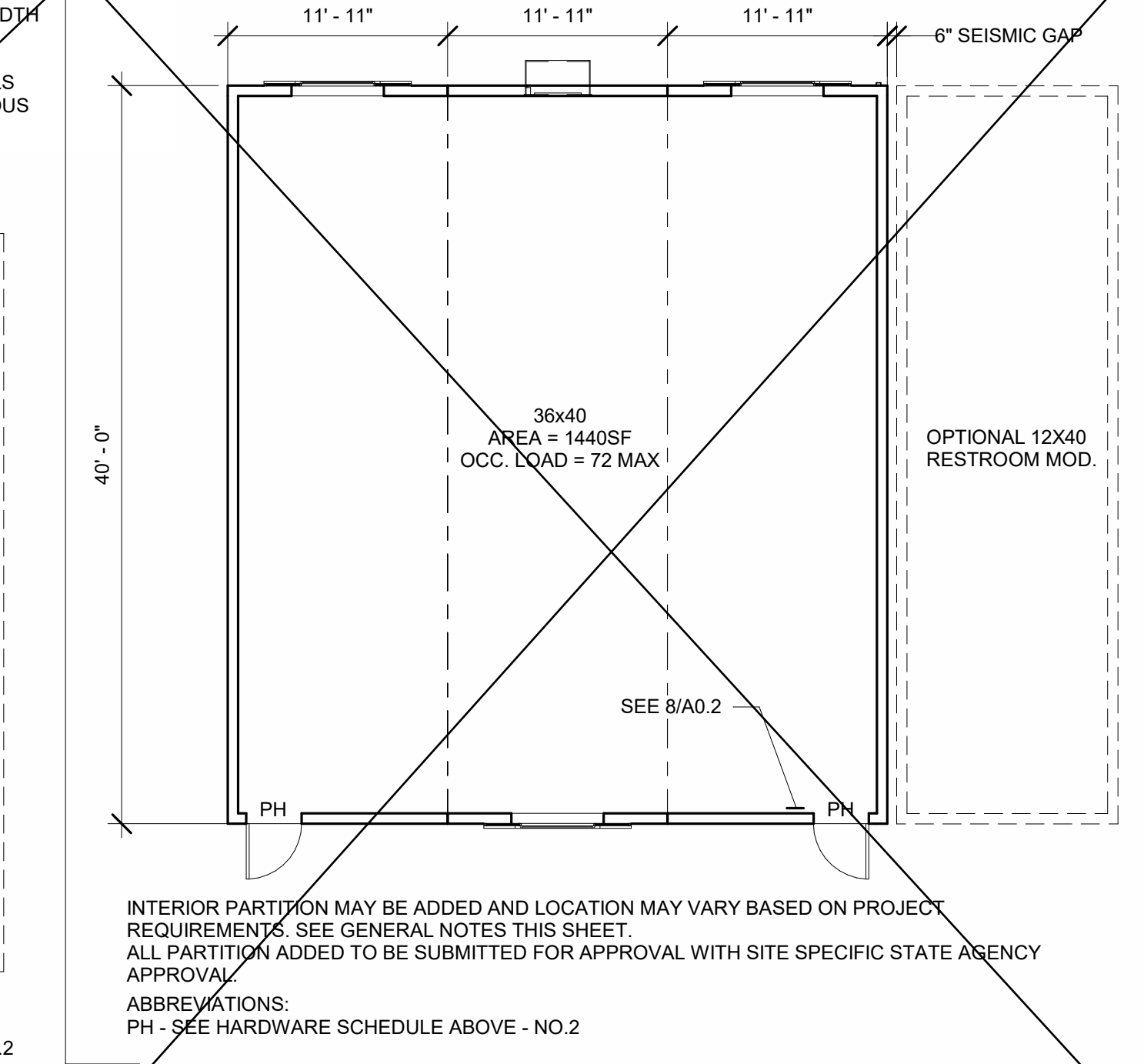
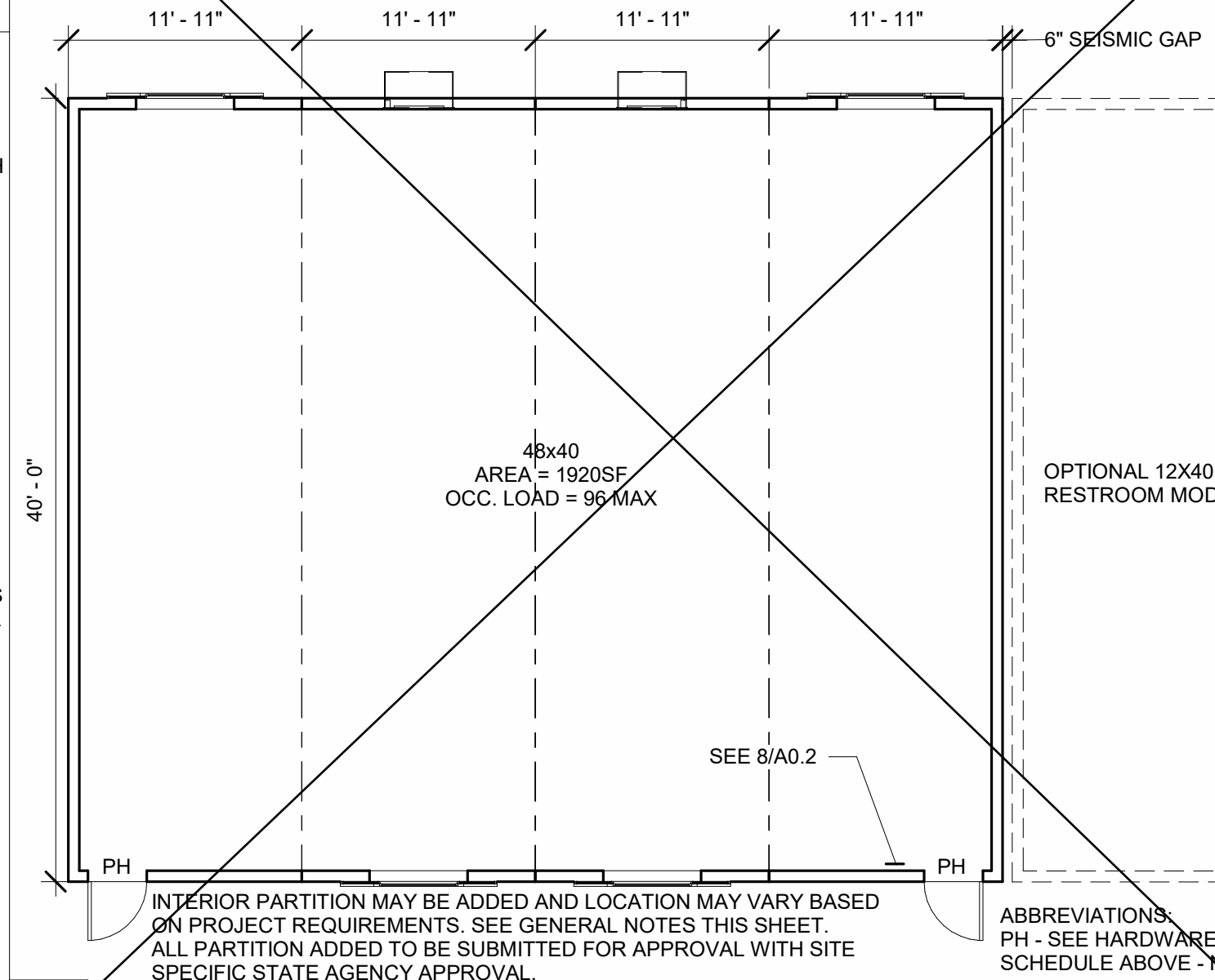
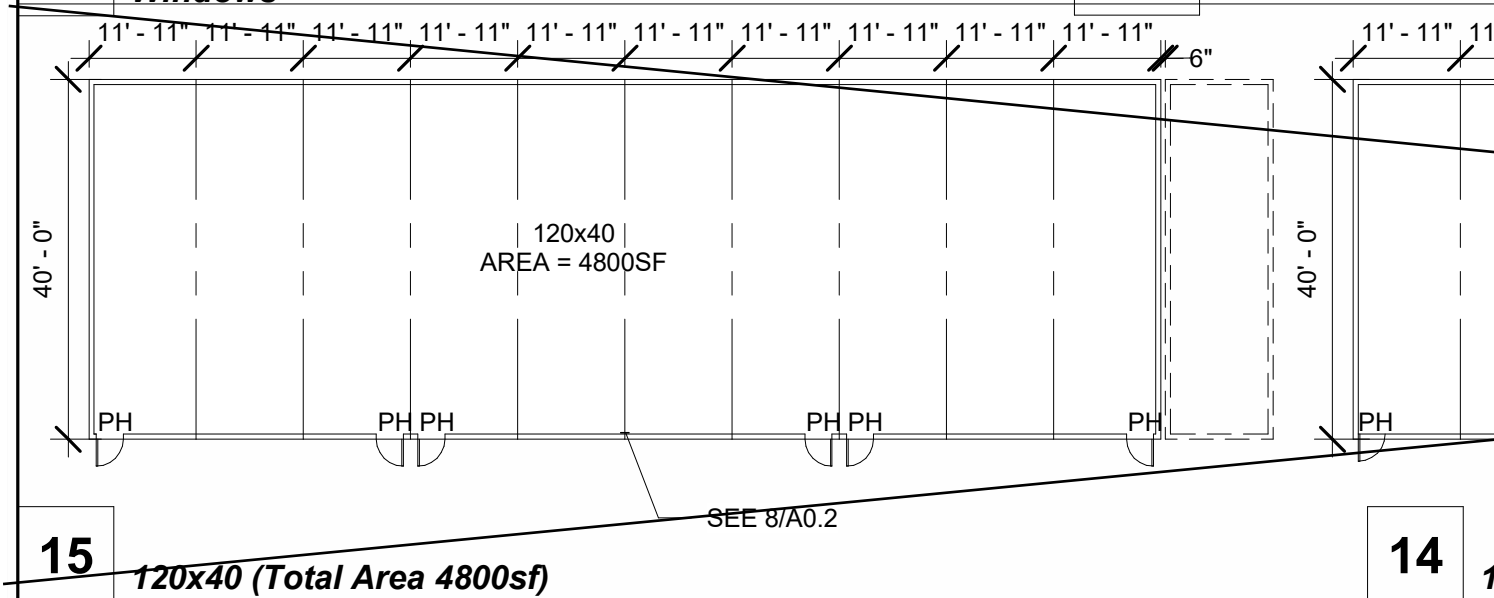
7 Door Hardware

9 Doors

Window Schedule						
Mark	Type	Height x Width	Function	Type Comments	Glazing	Source
A	W1	4'-0" x 8'-0"	XOX	Clear Anodized Alum. Frame	*DP	Manufacturer
B	W2	4'-0" x 4'-0"	XO	Clear Anodized Alum. Frame	*DP	Manufacturer
C	W3	21ø		SOLAR TUBE		Manufacturer
D	W4	21ø		SOLAR TUBE		Manufacturer



8 Windows



15 120x40 (Total Area 4800sf)

14 108x40 (Total Area 4320sf)

13 96x40 (Total Area 3840sf)

12 84x40 (Total Area 3360sf)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 04-122805 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/28/2023

R&S TAVARES ASSOCIATES
 DESIGN & CONSULTING PROJECT MGT
 11500 W BERNARD COURT, SUITE 100
 SAN DIEGO, CA 92127
 WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
 MANLY D. FRIEDL
 63380
 03/31/24
 CALIFORNIA
 STATE OF CALIFORNIA
 05/24/23
 RST#22088

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ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP. 04-121368 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/22/2023

Revision Schedule

#	Description	Date
2	CCD_002	11/2/2023

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
TYPICAL KEY PLAN AND SCHEDULES, GEN NOTES,

PROJECT NUMBER
 22088

DRAWN BY
 rMc/SC

CHECKED BY
 RH/RT

DATE

SHEET NO.
A0.1

SHEET OF

11B.703.2.6 Stroke Thickness for raised characters. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

11B.703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

11B.703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

11B.703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

11B.703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

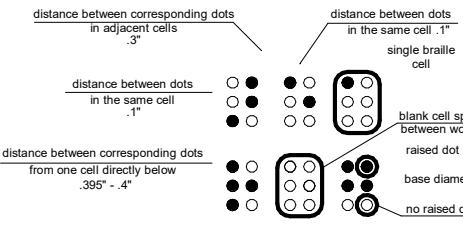


Figure 703.3.1 Braille Measurement

11B.703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

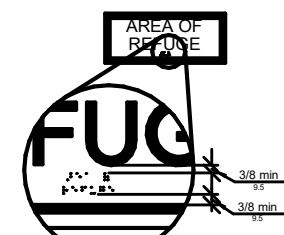


Figure 703.3.2 Position of Braille

11B.703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

11B.703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest braille character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

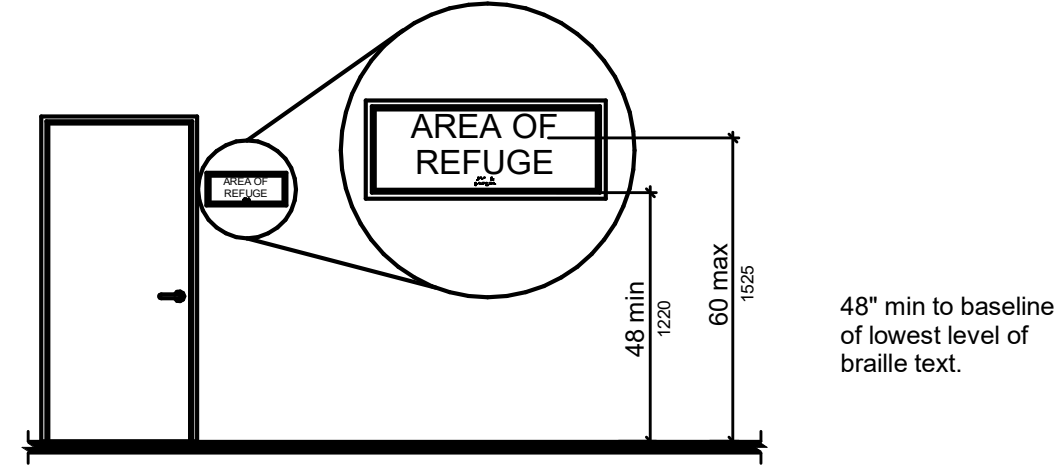


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

11B.703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leaves, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

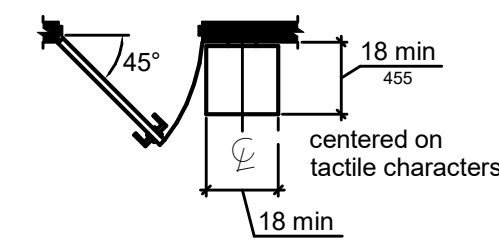


Figure 703.4.2 Location of Tactile Signs at Doors

11B.703.5 Visual Characters. Visual characters shall comply with 703.5.

11B.703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

11B.703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

11B.703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

11B.703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

11B.703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

11B.703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

11B.703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 20 percent maximum of the height of the character.

11B.703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

11B.703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

11B.703.6 Pictograms. Pictograms shall comply with 703.6.

11B.703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

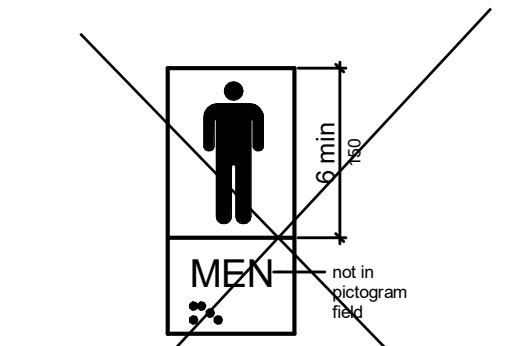


Figure 703.6.1 Pictogram Field dark-on-light

CHAPTER 11: COMMUNICATION ELEMENTS AND FEATURES

11B.702 Fire Alarm Systems

11B.702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (2022 edition) except that the maximum allowable sound level of audible notification appliances complying with section 11B.4-3.2.1 of NFPA 72 shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with NFPA 72 (2022 edition)

11B.703 Signs

11B.703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

11B.703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

11B.703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

11B.703.2.2 Case. Characters shall be uppercase.

11B.703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

11B.703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

11B.703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (15.9 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

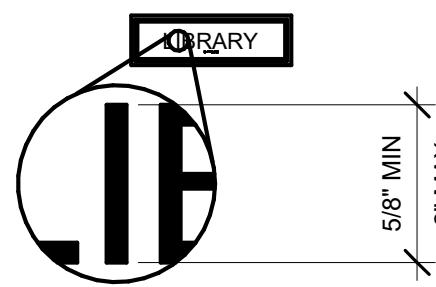
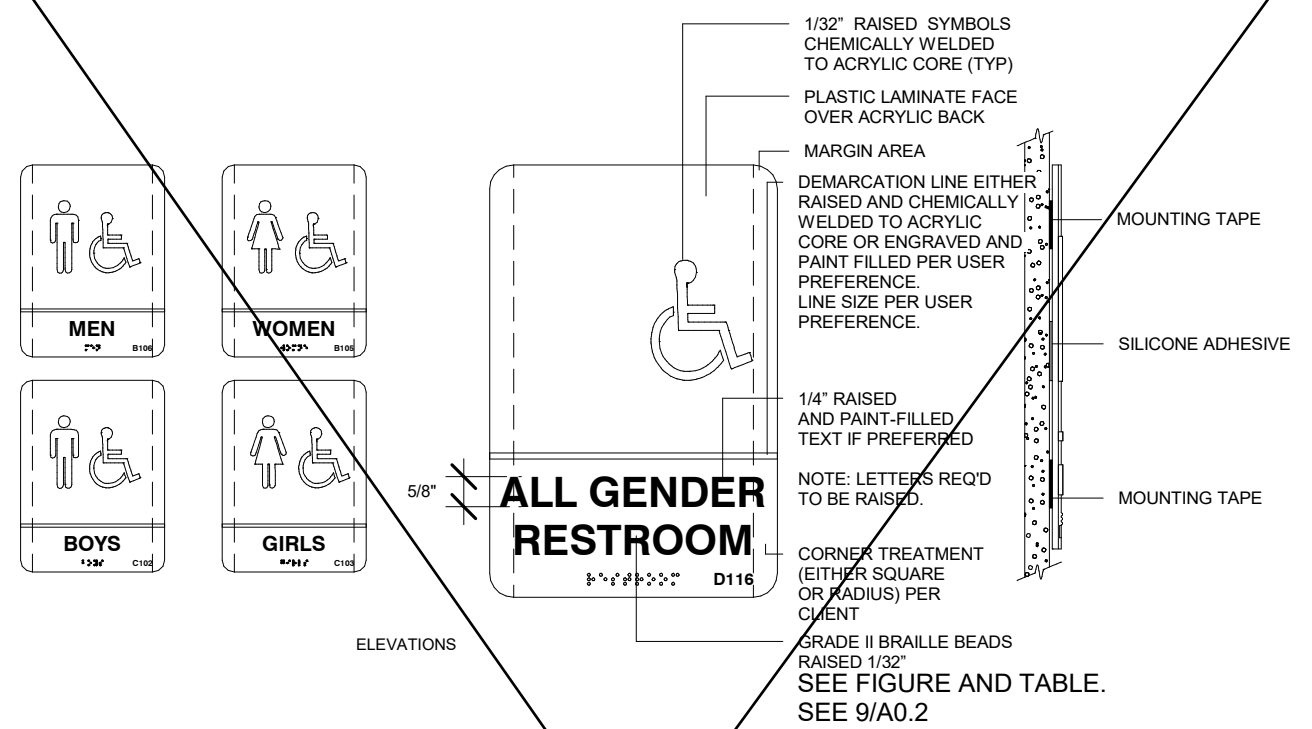


Figure 703.2.5 Height of Raised Characters

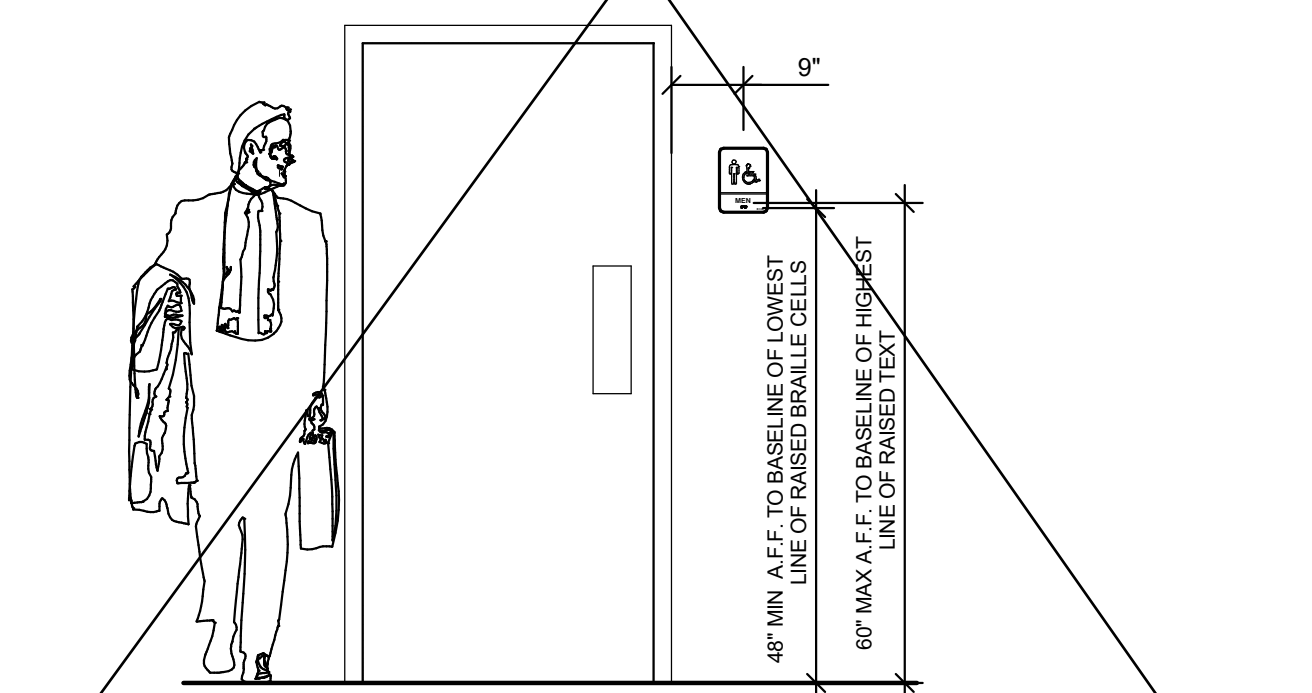
TABLE 11B-703.3.1 BRAILLE DIMENSIONS	
MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell ¹	0.100 (2.5 mm)
Distance between corresponding dots in adjacent cells ¹	0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below ¹	0.395 (10 mm) to 0.400 (10.2 mm)

1. Measured center to center.

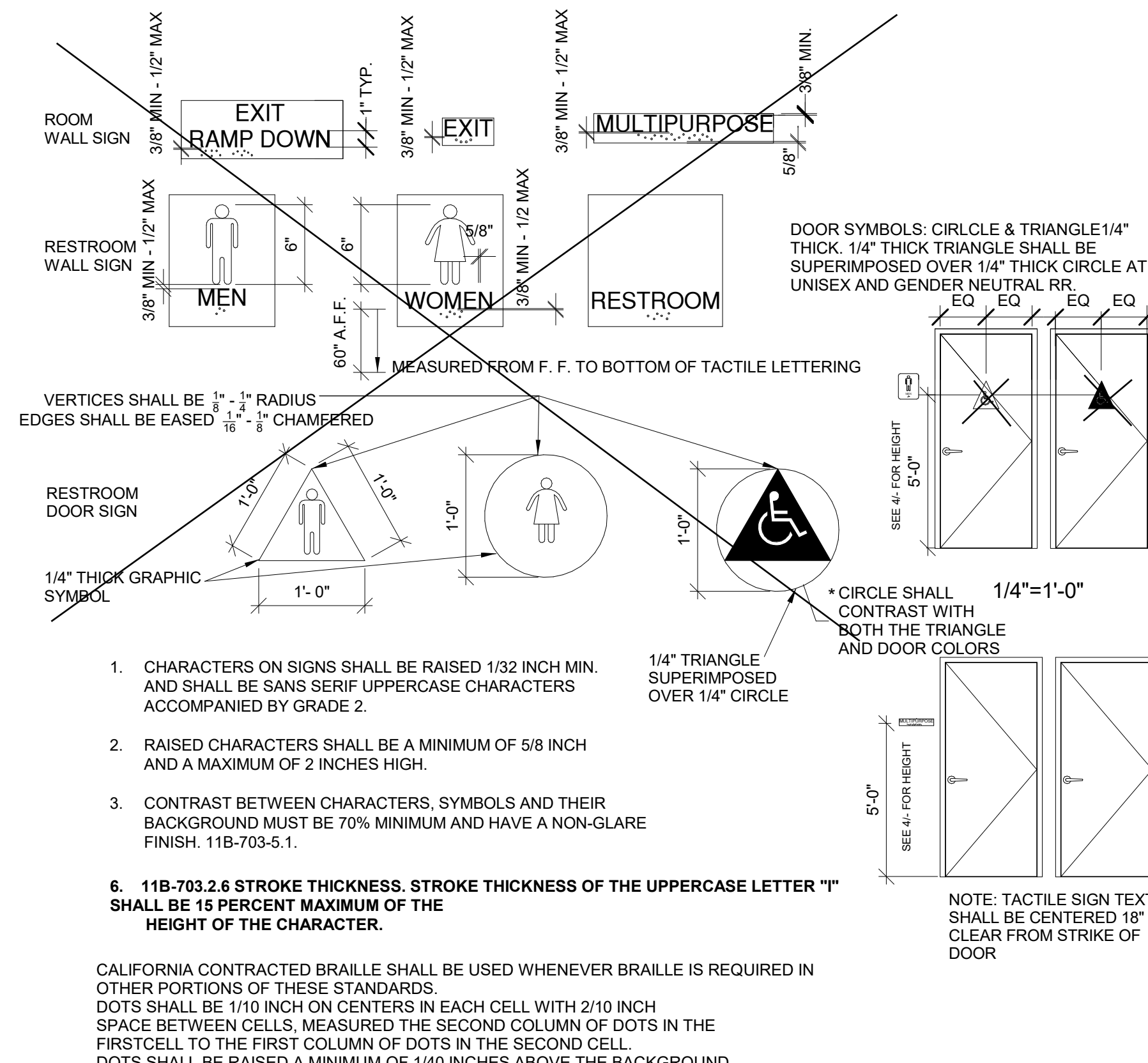
5 1/4" = 1'-0" Sign Notes



4 1/2" = 1'-0" Signage



3 1/4" = 1'-0" Signage and Notes



1. CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MIN. AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2.

2. RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUM OF 2 INCHES HIGH.

3. CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH, 11B-703-5.1.

6. 11B-703.2.6 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

CALIFORNIA CONTRACTED BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH ON CENTERS IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS. MEASURED THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCHES ABOVE THE BACKGROUND. SEE FIGURE AND TABLE. SEE 2/A0.2

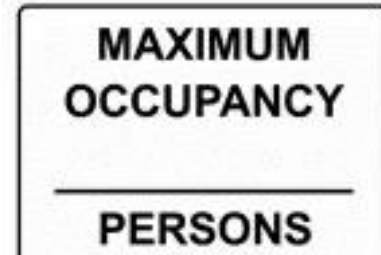
* NOTE FOR UNISEX OR SINGLE USER RESTROOM DOOR SYMBOL: THE COLOR OF THE TRIANGLE SHALL CONTRAST WITH THE COLOR OF THE CIRCLE SYMBOL. EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. THE COLOR OF THE CIRCLE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR OR SURFACE ON WHICH THE COMBINED CIRCLE AND TRIANGLE SYMBOL IS MOUNTED, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.

7 1" = 1'-0" Assistive Listening System Symbol



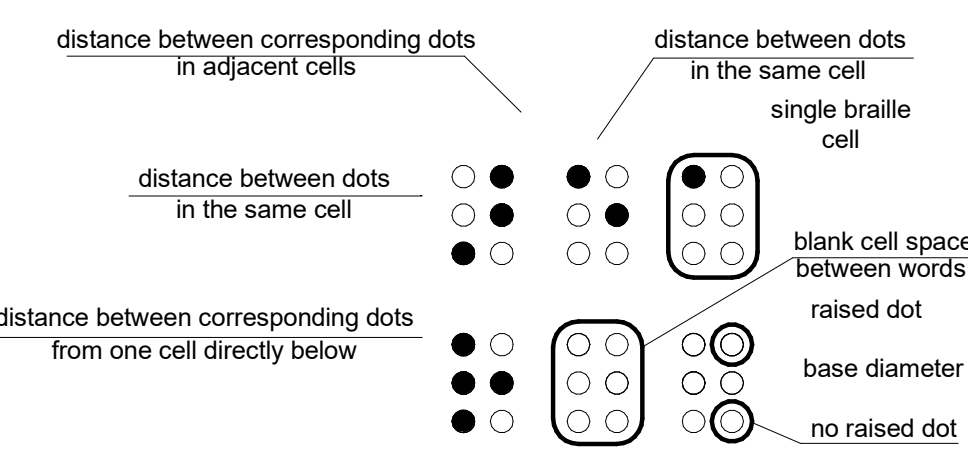
"INFORMATION TO BE PROVIDED WHEN BUILDINGS ARE SITE LOCATED"
REQUIRED PER 11B-219 & 11B-706 (SEE FLOOR PLANS FOR MORE INFO)
NOTE: TEXT ON THIS SIGN IN VISUAL

8 1" = 1'-0" EQUIPMENT ANCHORAGE



OCCUPANT LOAD SIGN REQUIRED PER DSA BU11-08.
EVERY ROOM OR SPACE WHICH IS USED FOR ASSEMBLY, CLASSROOM, DINING OR SIMILAR PURPOSES HAVING AN OCCUPANT LOAD OF 50 OR MORE SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY

BRAILLE DIMENSIONS	
MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell ¹	0.100 (2.5 mm)
Distance between corresponding dots in adjacent cells ¹	0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.09mm)
Distance between corresponding dots from once cell directly below ¹	0.395 (10 mm) to 0.400 (10.2 mm)



9 1/2" = 1'-0" BRAILLE DIMENSIONS

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-122805 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/28/2023

R & S TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT MEET
11500 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

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REGISTERED PROFESSIONAL ARCHITECT
MANNY D. FRIEDL
03/31/24
05/24/23
RST#22088

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ORIGINAL PC STATE AGENCY APPROVAL
APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
SIGNAGE AND SYMBOLS

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE

SHEET NO.
A0.2

SHEET OF

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: 11-111111 School Name: 1 School District: 1
DSA File Number: 1 Increment Number: 1 Date Created: 2023-05-16 13:57:04

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector.

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

Table with 2 columns: 1. TYPE, 2. PERFORMED BY. Includes definitions for Continuous, Periodic, and Test inspection types and GE, LOR, PI, and SI performance categories.

Table S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES. Includes inspection items for material identification, testing of materials, and steel fabrication.

Table S/A3. WELDING. Includes inspection items for weld filler material identification, compliance, and welder qualifications.

Table S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3). Includes inspection items for groove welds, fillet welds, and welding of stairs and railing systems.

Table S/A6. NONDESTRUCTIVE TESTING. Includes inspection items for Ultrasonic and Magnetic Particle testing.

- 1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

NOTE: THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSE ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC BEING INCORPORATED INTO AND EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: 11-111111 School Name: 1 School District: 1
DSA File Number: 1 Increment Number: 1 Date Created: 2023-05-16 14:08:48

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector.

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

Table with 2 columns: 1. TYPE, 2. PERFORMED BY. Includes definitions for Continuous, Periodic, and Test inspection types and GE, LOR, PI, and SI performance categories.

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

Table S1. GENERAL. Includes inspection items for soil compaction and fill, and cast-in-place concrete.

Table C1. CAST-IN-PLACE CONCRETE. Includes inspection items for concrete mix, reinforcement, and curing.

Table CS. POST-INSTALLED ANCHORS. Includes inspection items for anchor installation and post-installed anchors.

Table S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES. Includes inspection items for material identification, testing of materials, and steel fabrication.

Table S/A3. WELDING. Includes inspection items for weld filler material identification, compliance, and welder qualifications.

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Table S/A6. NONDESTRUCTIVE TESTING. Includes inspection items for Ultrasonic and Magnetic Particle testing.

- 1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
3. Post-installed Anchors: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
5. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

NOTE: THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSE ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC BEING INCORPORATED INTO AND EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING. IF THERE IS A GEOTECHNICAL REPORT, THE GEOTECH ENGINEER SHOULD DO THE INSPECTION INSTEAD OF PROJECT INSPECTOR (PI).

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: 11-111111 School Name: 11 School District: 11
DSA File Number: 1 Increment Number: 1 Date Created: 2023-05-16 14:19:31

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector.

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

Table with 2 columns: 1. TYPE, 2. PERFORMED BY. Includes definitions for Continuous, Periodic, and Test inspection types and GE, LOR, PI, and SI performance categories.

Table S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES. Includes inspection items for material identification, testing of materials, and steel fabrication.

Table S/A3. WELDING. Includes inspection items for weld filler material identification, compliance, and welder qualifications.

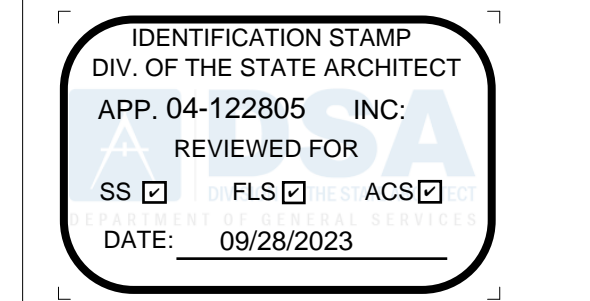
Table S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3). Includes inspection items for groove welds, fillet welds, and welding of stairs and railing systems.

Table S/A6. NONDESTRUCTIVE TESTING. Includes inspection items for Ultrasonic and Magnetic Particle testing.

- 1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
3. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

NOTE: THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSE ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC BEING INCORPORATED INTO AND EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING.

PROJECT SPECIFIC STATE AGENCY APPROVAL



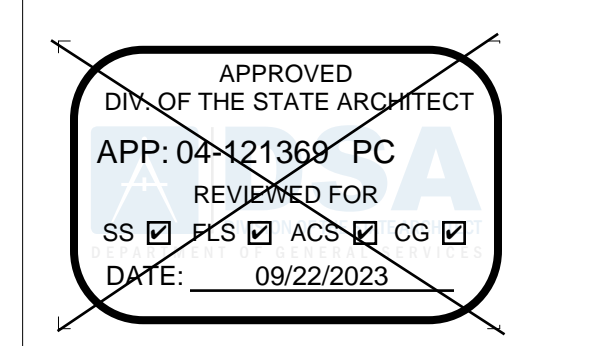
PROFESSIONAL STAMP



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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule table with columns for #, Description, and Date.



PRE-CHECK (PC) DOCUMENT Code: 2022 CBC

PROJECT TITLE PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE DSA-103 T&I PLYWOOD FLOORS

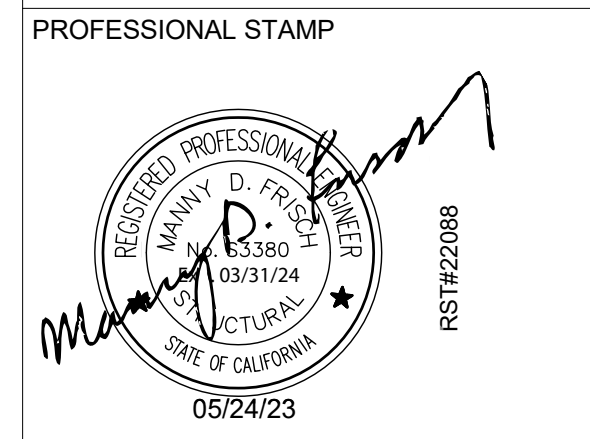
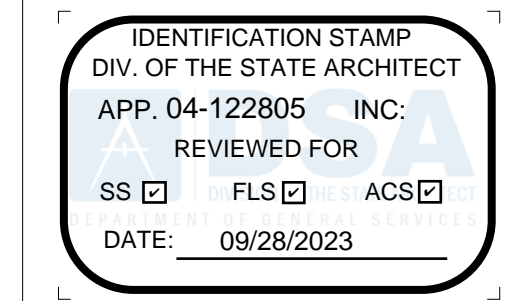
PROJECT NUMBER 22088
DRAWN BY rMc/SC
CHECKED BY RH/RT
DATE
SHEET NO. A0.4

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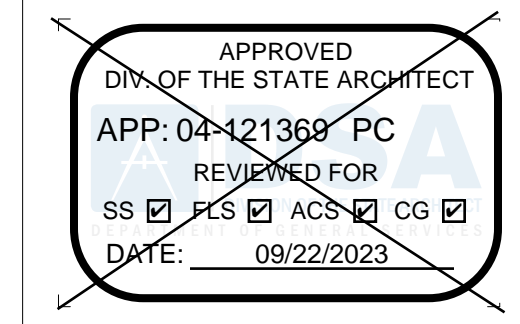
PROJECT SPECIFIC STATE AGENCY APPROVAL



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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule		
#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
CALGREEN SPEC'S

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE

SHEET NO.
A0.5

SHEET OF

UL U419 OR UL U465 (OR EQ) TO BE USED FOR INT. STC RATING. WOOD STUD MAY BE USED ILO OF MTL STUD

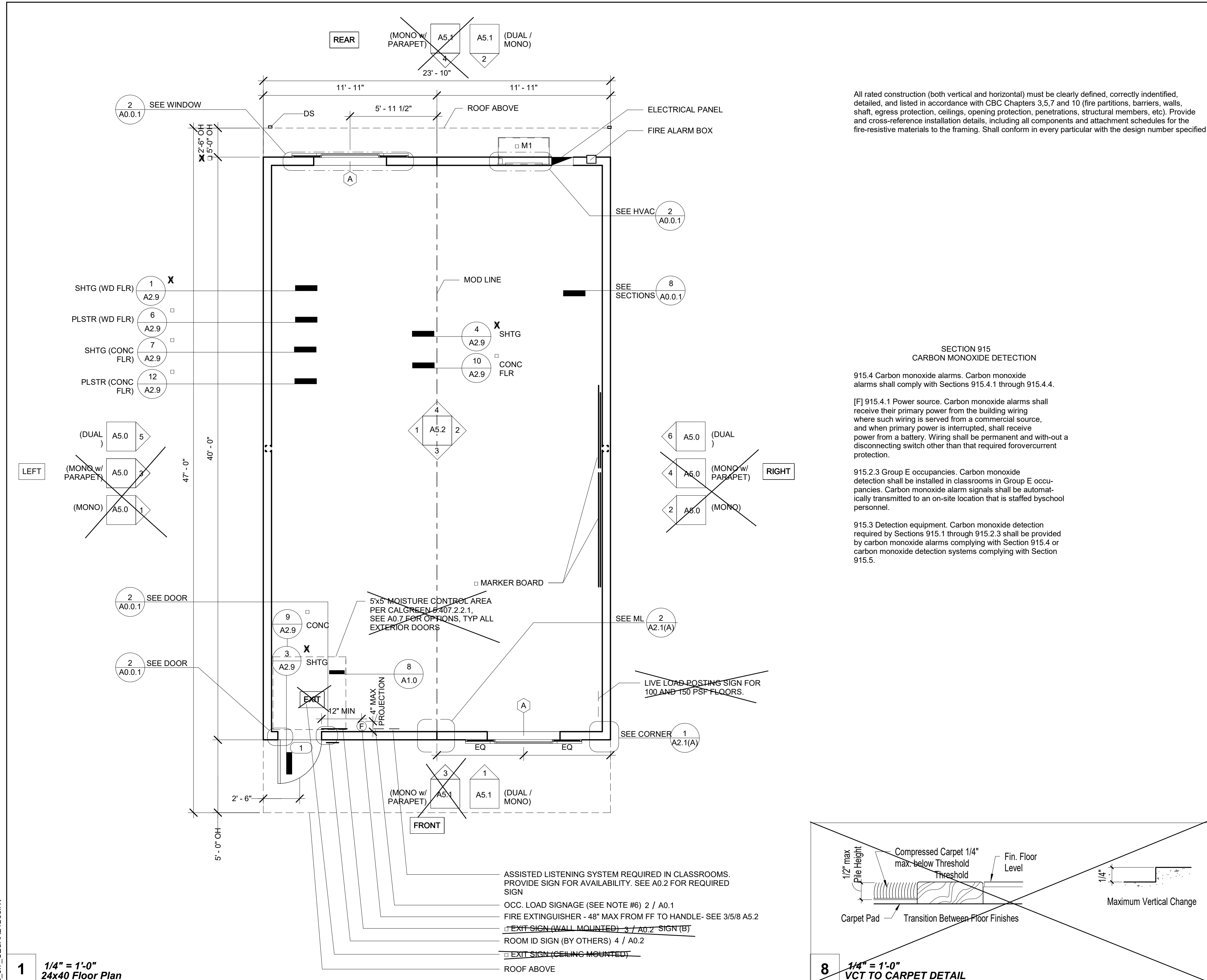
	<p>Fire Test UL U419 or MEA 81-98-M Steel Stud (Non-loadbearing) Interior Partitions Sound Test: RAL-TL11-125</p>	<p>Fire Rating 1 hr.</p>	<p>STC 40</p>	<p>Thickness (in.) 4-7/8"</p>	<ul style="list-style-type: none"> Gypsum Board - 5/8 in. thick gypsum board applied vertically or horizontally. - SHEETROCK Brand FIRECODE Core (Type X) Steel Studs - 3-5/8 in. wide min. 25 gauge steel studs @ max 24 in. OC - 362S125-18 Gypsum Board - 5/8 in. thick gypsum board applied vertically or horizontally. - SHEETROCK Brand FIRECODE Core (Type X) <p>Visit U419</p>
	<p>Fire Test UL U465 Steel Stud (Non-loadbearing) Interior Partitions Sound Test: RAL-TL11-125</p>	<p>Fire Rating 1 hr.</p>	<p>STC 40</p>	<p>Thickness (in.) 4-7/8"</p>	<ul style="list-style-type: none"> Gypsum Board - 5/8 in. thick board, applied vertically, attached to studs with 1 in. long, Type S-12 screws, spaced 8 in. OC along the edges and 12 in. OC of the board - SHEETROCK Brand FIRECODE Core (Type X) Steel Studs - 3-5/8 in. wide min. 25 gauge steel. Attached to floor and ceiling with fasteners, 24 in. OC - 362S125-18 Gypsum Board - 5/8 in. thick gypsum board applied vertically or horizontally. - SHEETROCK Brand FIRECODE Core (Type X) <p>Visit U465</p>

UL U457 (OR EQ) TO BE USED FOR EXT. STC RATING . WOOD STUD MAY BE USED ILO OF MTL STUD

	<p>Fire Test UL U457 Steel Stud (Non-loadbearing) Interior Partitions Sound Test: USG-840222</p>	<p>Fire Rating 1 hr.</p>	<p>STC 50</p>	<p>Thickness (in.) 4-3/4"</p>	<ul style="list-style-type: none"> Cement Board - 1/2 thick board, square edge - DUROCK Brand Cement Board Next Gen Steel Studs - 3-5/8 in. wide by 1-1/4 in. deep, min. 20 gauge steel, max 16 in. OC - 362S125-30 Batts and Blankets - 3 in. mineral wool batt insulation Gypsum Board - 5/8 in. thick gypsum board applied vertically - SHEETROCK Brand FIRECODE Core (Type X) <p>Visit U457 U457</p>
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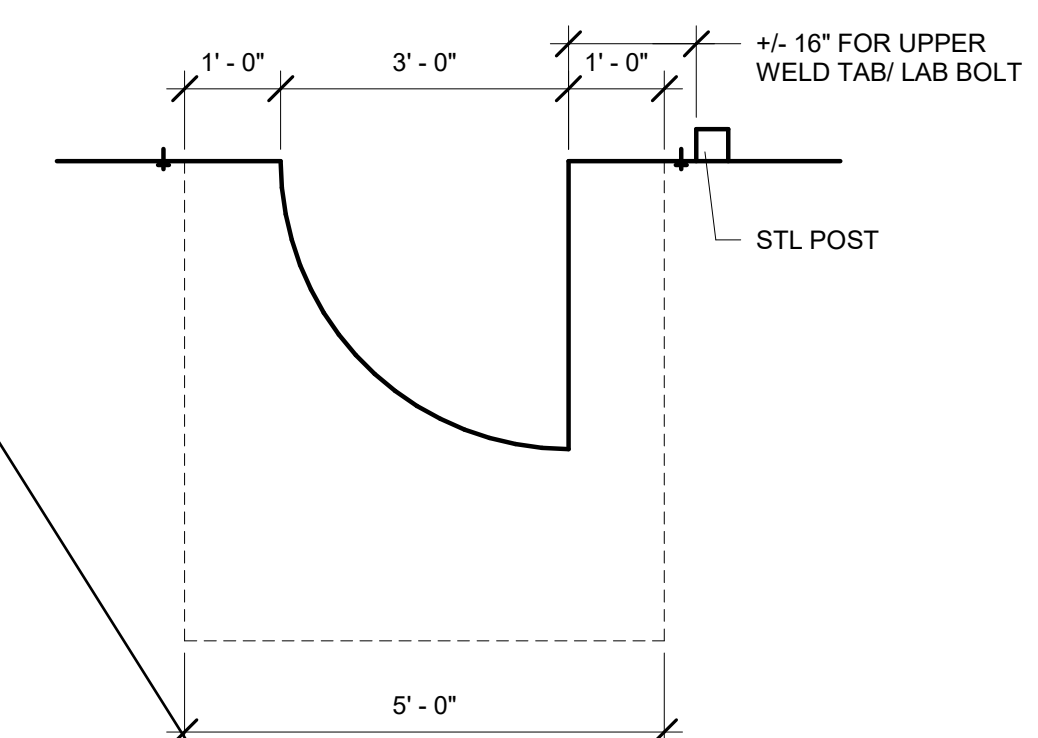
ACOUSTIC CONTROL- When the Pre-check building is site adapted, the building and site features need to comply with the CALGreen Code, Section 5.507.4 for the specific site location, and when PC building is place adjacent to another PC building, the adjoining wall section for interior sound transmission must meet the minimum requirement of a STC rating of 40 (per 2022 CALGreen Code, Section 507.4.3).

6/15/2021 11:49:18 PM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6_7_CESAR24D63.rvt



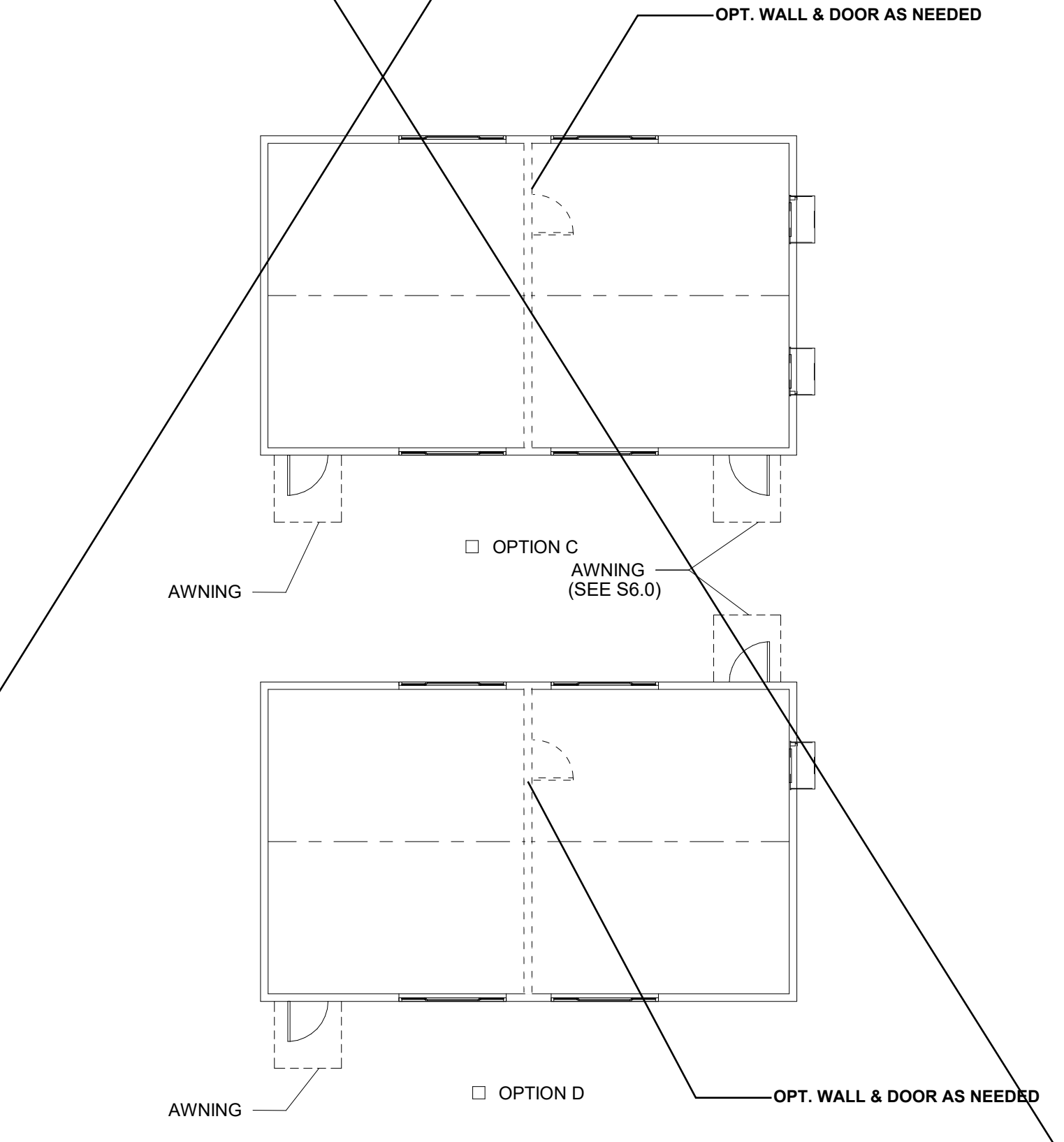
All rated construction (both vertical and horizontal) must be clearly defined, correctly identified, detailed, and listed in accordance with CBC Chapters 3.5.7 and 10 (fire partitions, barriers, walls, shaft, egress protection, ceilings, opening protection, penetrations, structural members, etc). Provide and cross-reference installation details, including all components and attachment schedules for the fire-resistive materials to the framing. Shall conform in every particular with the design number specified

SECTION 915 CARBON MONOXIDE DETECTION
 915.4 Carbon monoxide alarms. Carbon monoxide alarms shall comply with Sections 915.4.1 through 915.4.4.
 [F] 915.4.1 Power source. Carbon monoxide alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source, and when primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and with-out a disconnecting switch other than that required for overcurrent protection.
 915.2.3 Group E occupancies. Carbon monoxide detection shall be installed in classrooms in Group E occupancies. Carbon monoxide alarm signals shall be automatically transmitted to an on-site location that is staffed by school personnel.
 915.5 Detection equipment. Carbon monoxide detection required by Sections 915.1 through 915.2.3 shall be provided by carbon monoxide alarms complying with Section 915.4 or carbon monoxide detection systems complying with Section 915.5.

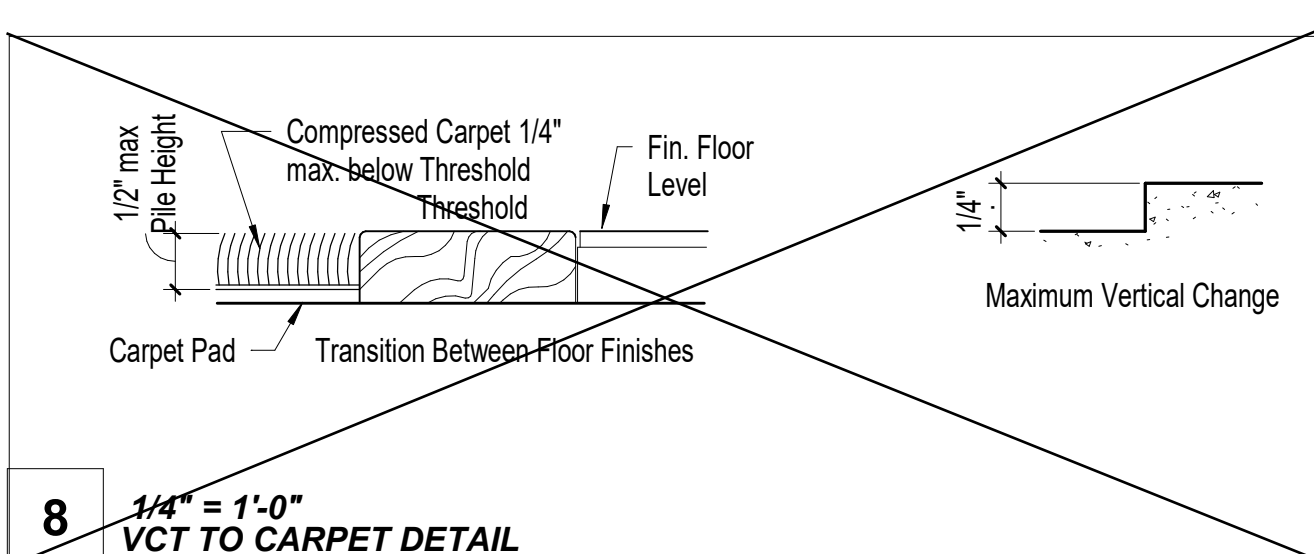


7 1/2" = 1'-0" AWNING

FOR AWNING SEE 7 / A1.0



6 1" = 10'-0" 24X60 FLOOR PLAN OPTIONS



8 1/4" = 1'-0" VCT TO CARPET DETAIL

1 1/4" = 1'-0" 24x40 Floor Plan

Wall Schedule			
Stud Size	Sheet	Notes	
X Wood Wall Stud	S4.5		
		FOR BURNING CHARACTERISTIC SEE 3 / A0.1	

Fire Rating Schedule			
Rating	Sheet	Notes	
1 HOUR - SIDING OVER WD STUDS	A2.5		X
1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6		
SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS			

Ext. Finish Schedule			
Finishes	Sheet	Notes	
SIDING OVER WD STUDS	A2.1		X
PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2		

Roofing Schedule					
"SLOPE"	EDPM	Standing Seam	Parapet	Notes	
Dual	<input type="checkbox"/> A4.2.2	X A4.0.2	N/A		
Mono	<input type="checkbox"/> A4.2.1	<input type="checkbox"/> A4.0.1	<input type="checkbox"/> A4.4.1		

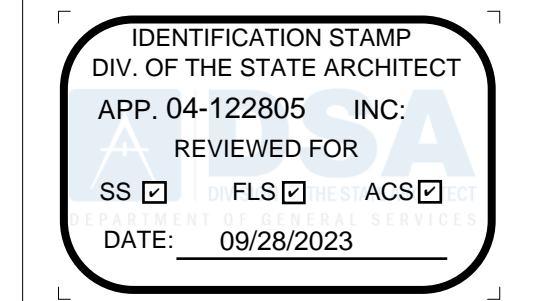
HVAC Unit		
Keynote	Type	Type Comments
X M1	Wall Mounted HVAC	See (M)-Sheets
<input type="checkbox"/> M2	Roof Mounted HVAC	See (M)-Sheets

5 1/4" = 1'-0" Wall Schedule

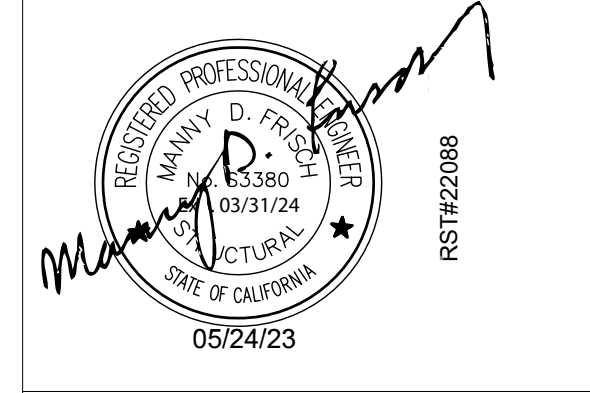
4 1/4" = 1'-0" Fire Rating Schedule

3 1/4" = 1'-0" Ext. Finish Schedule

PROJECT SPECIFIC STATE AGENCY APPROVAL



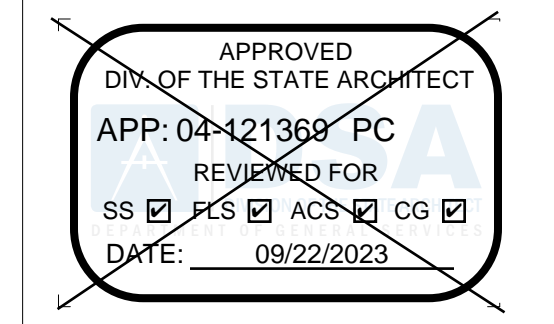
PROFESSIONAL STAMP



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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule		
#	Description	Date

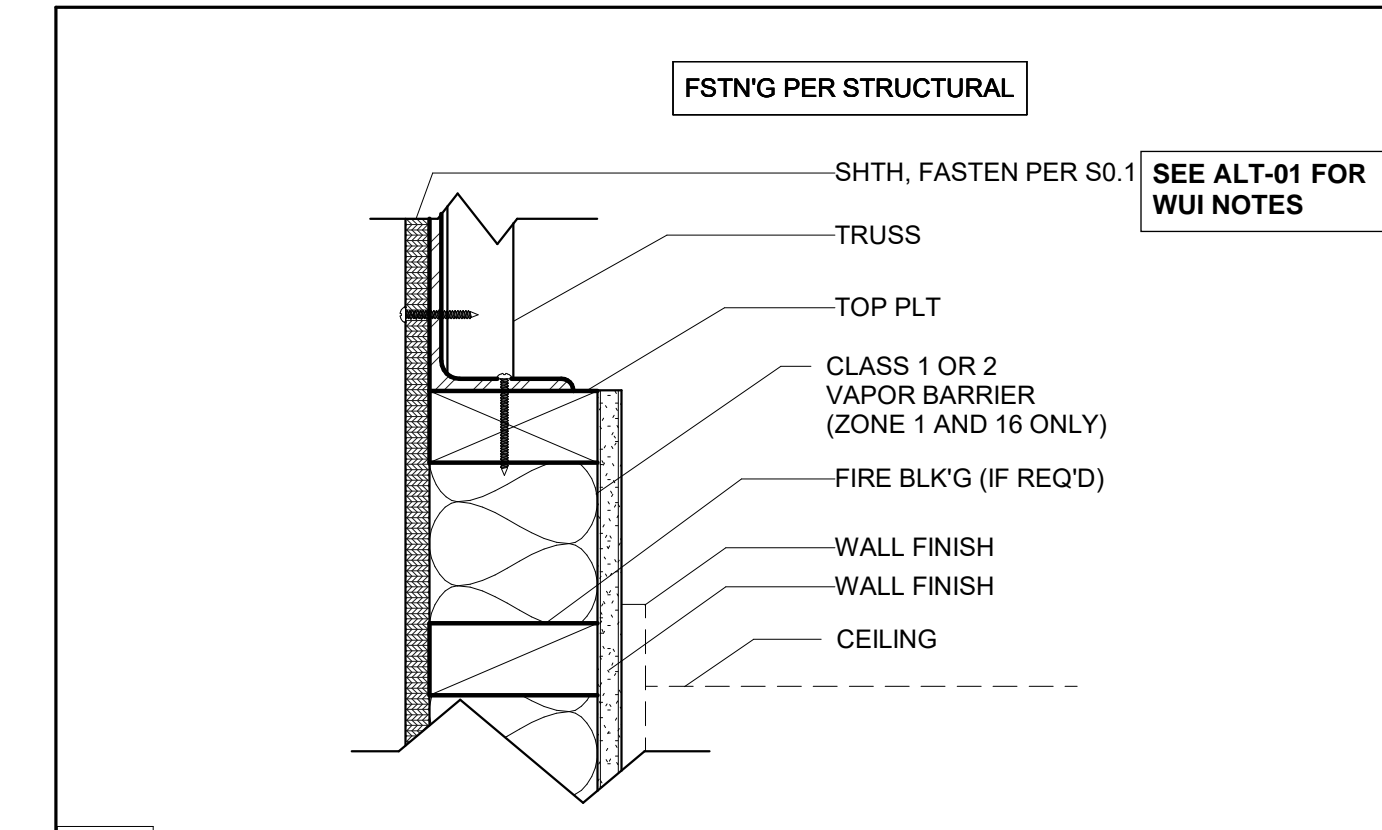
PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

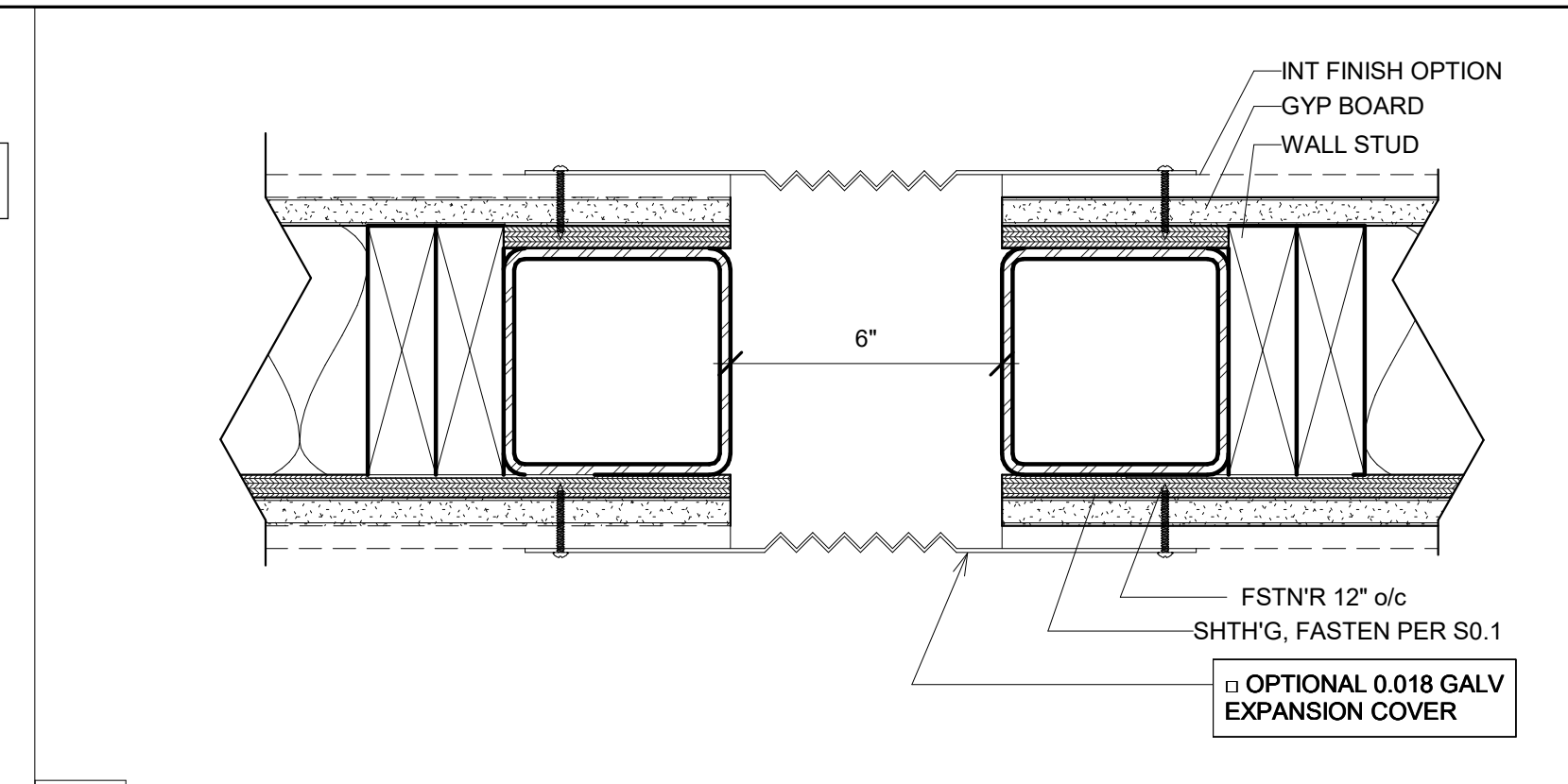
SHEET TITLE
24x40 FLOOR PLAN

PROJECT NUMBER
22088
DRAWN BY
rMc/SC
CHECKED BY
RH/RT
DATE

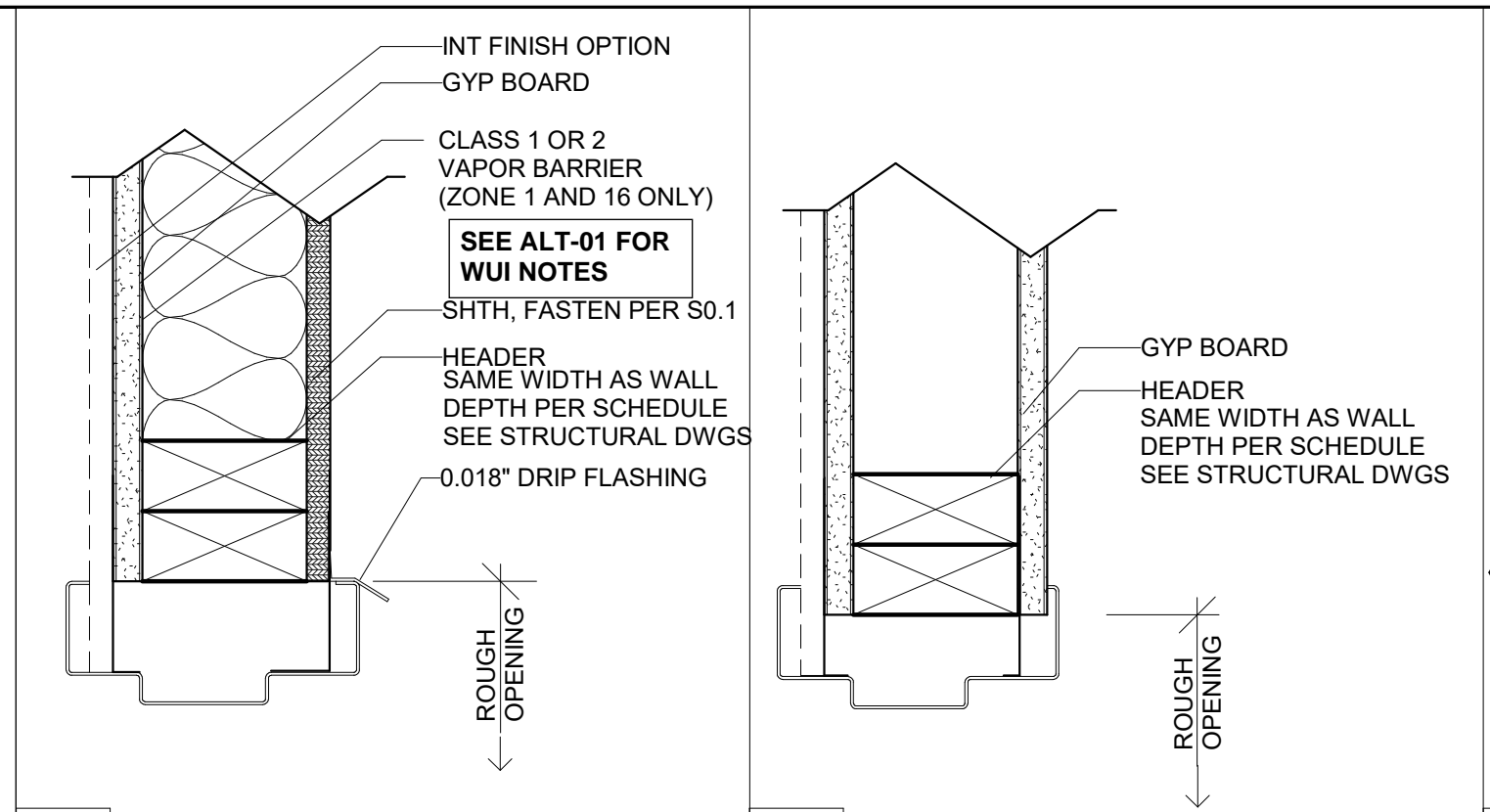
SHEET NO.
A1.0
SHEET OF



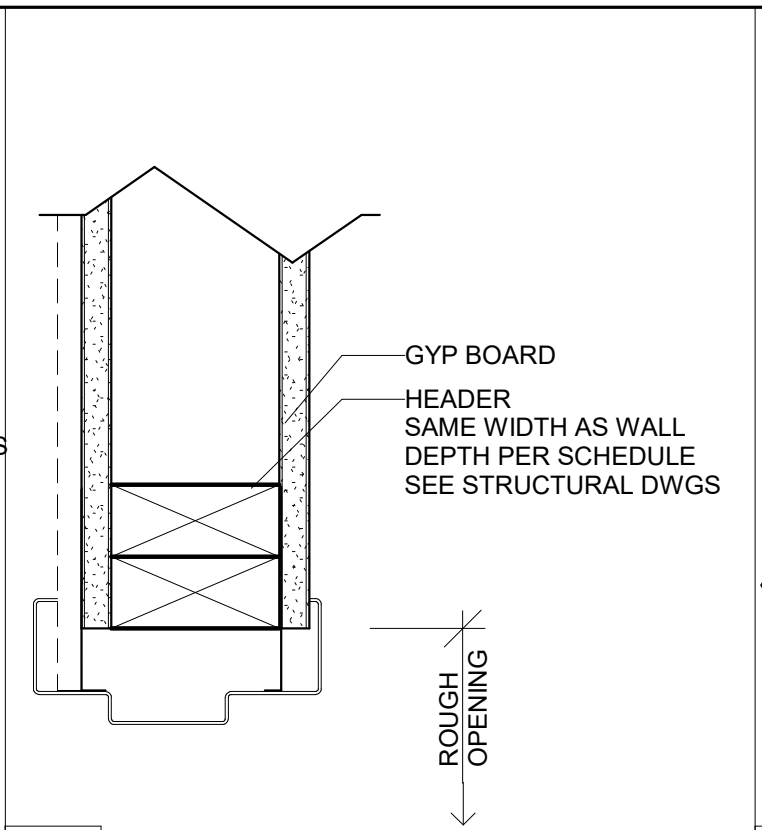
17 3" = 1'-0" Section - Top Plate Shtg Finish



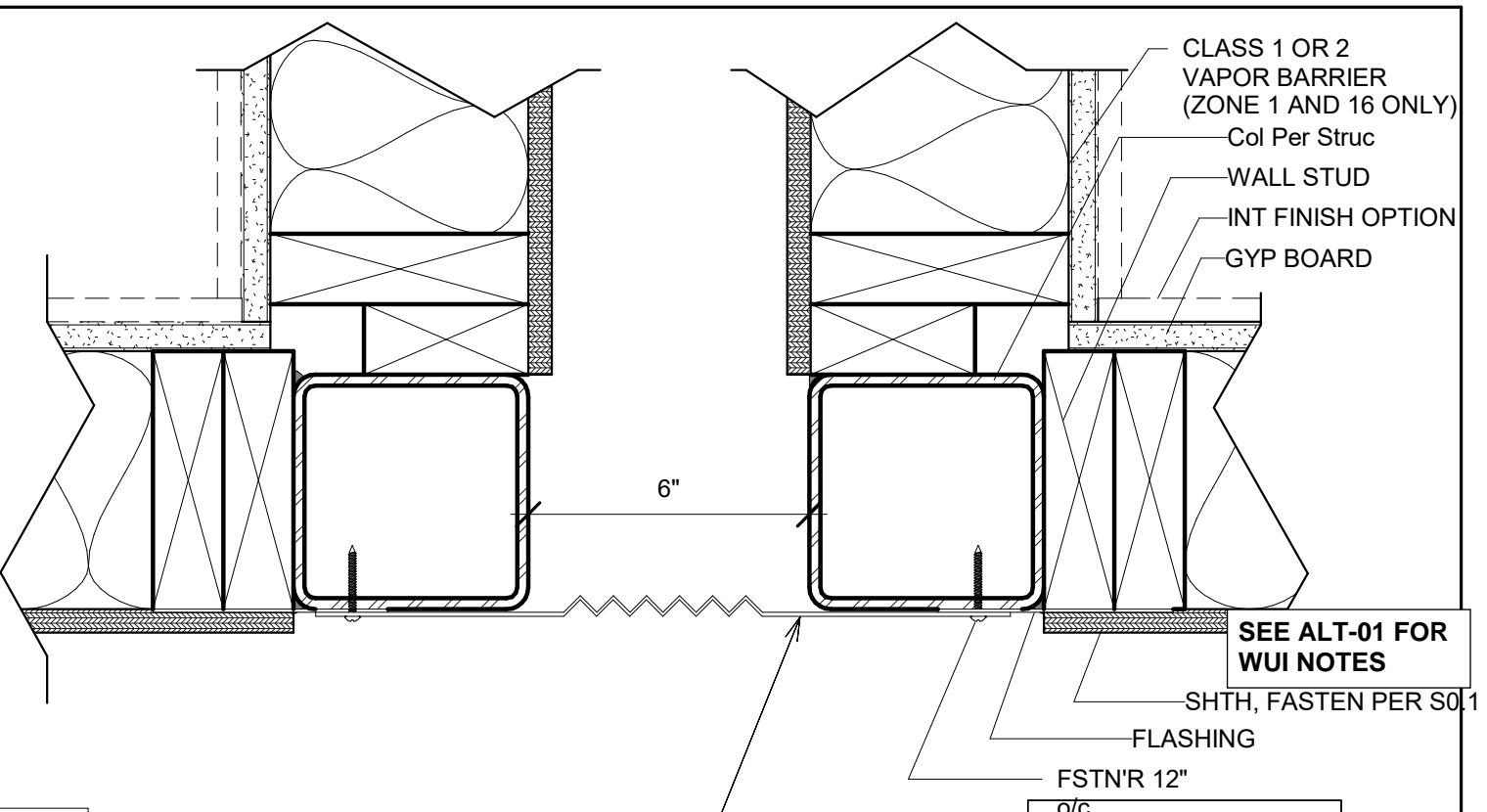
18 3" = 1'-0" Plan - Interior Wall "OPEN" (6" Sep.) Shtg Finish



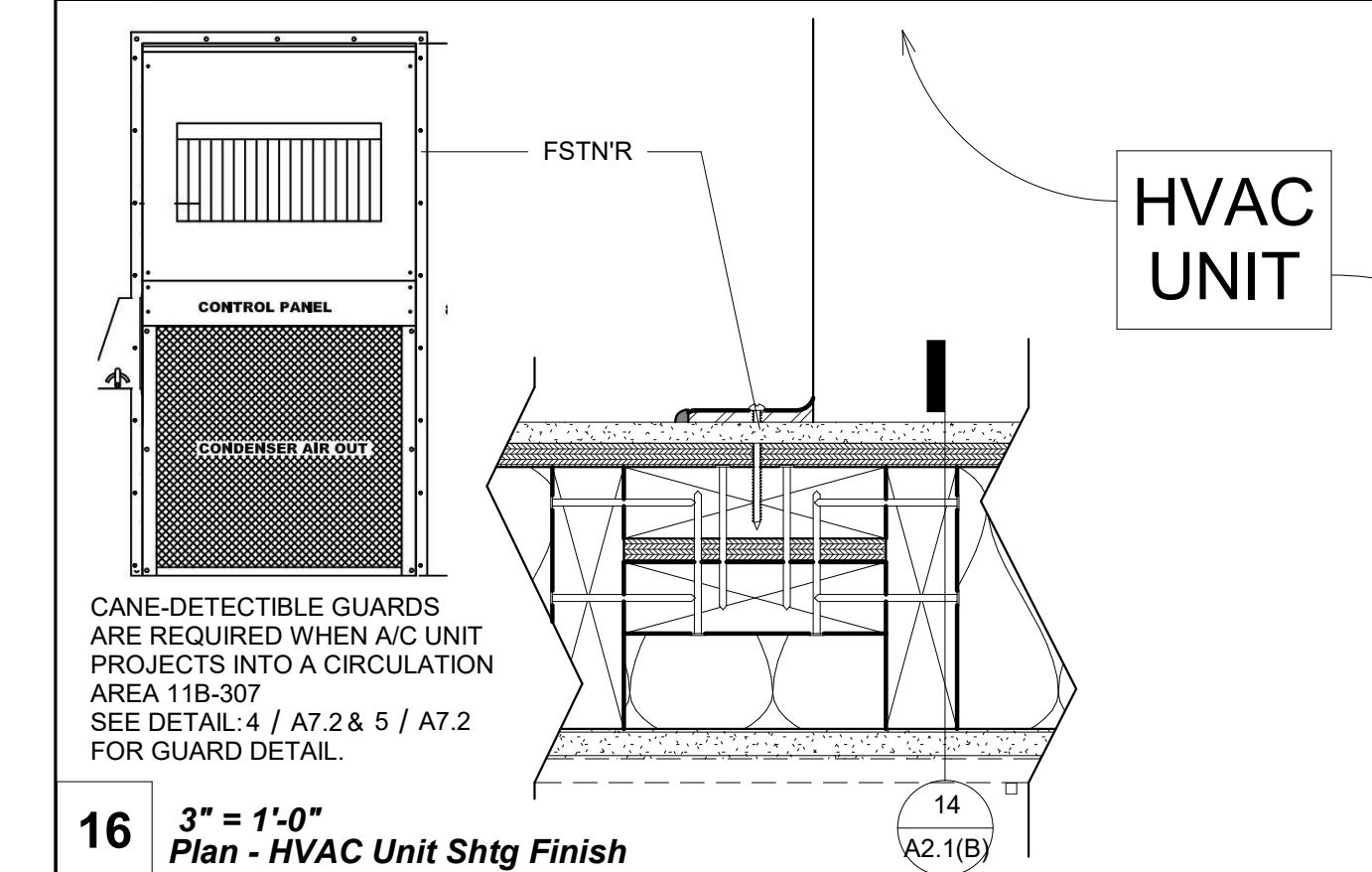
10A 3" = 1'-0" Section - Ext Wall Hdr Door Shtg Finish



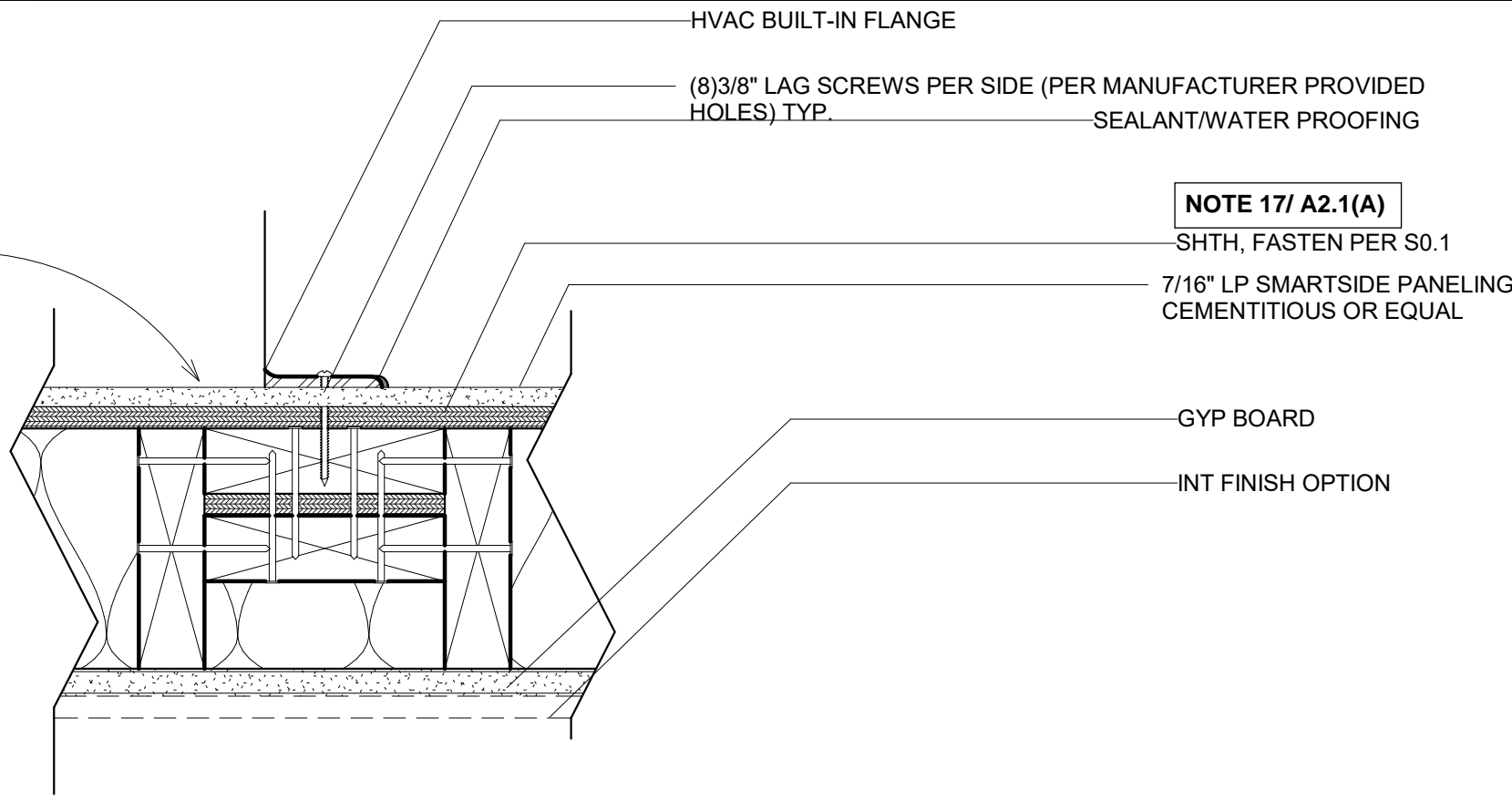
10B 3" = 1'-0" Section - Int Wall Hdr Door Shtg Finish



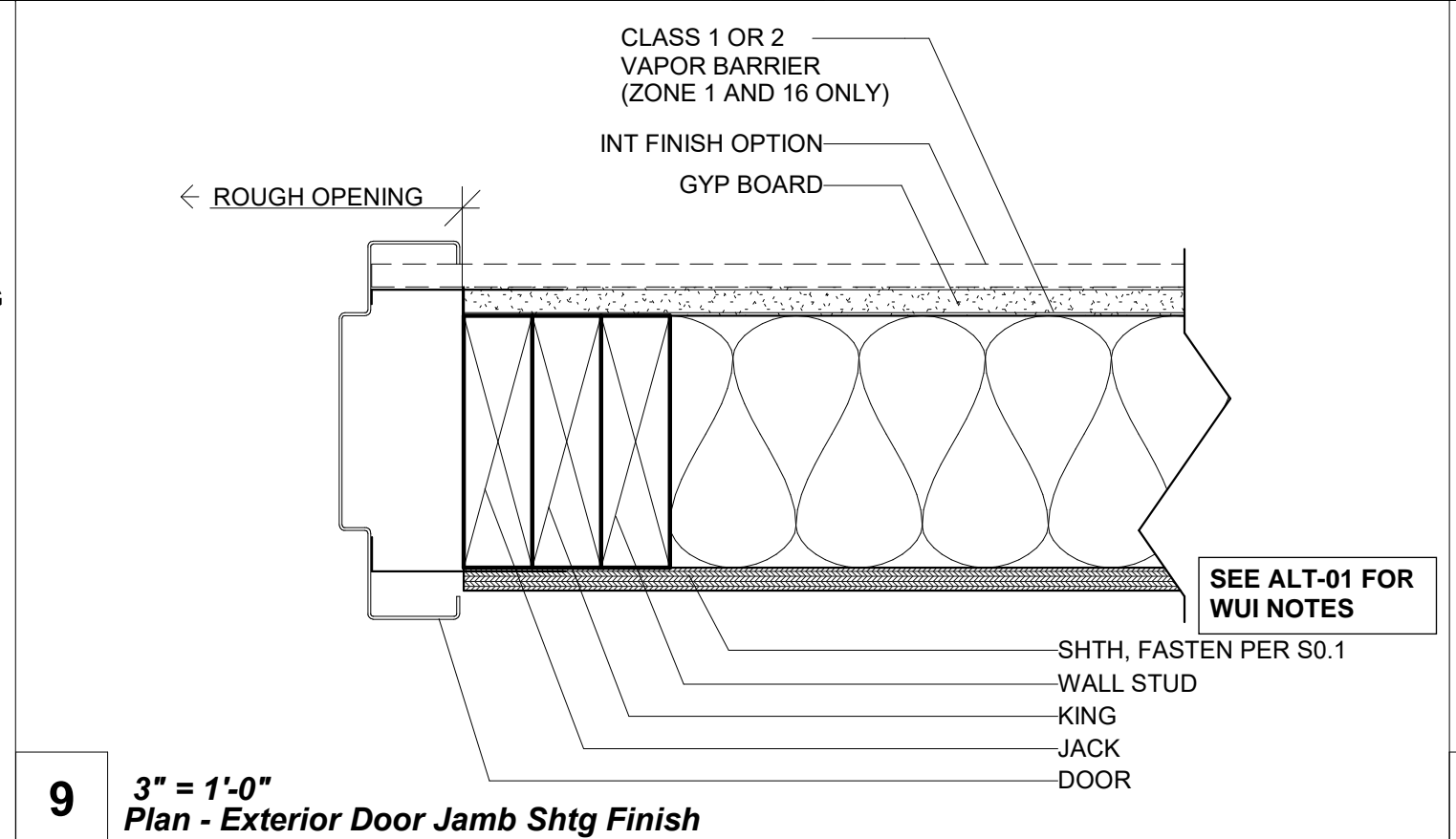
5 3" = 1'-0" Plan - Mateline (6" Sep.) Shtg Finish



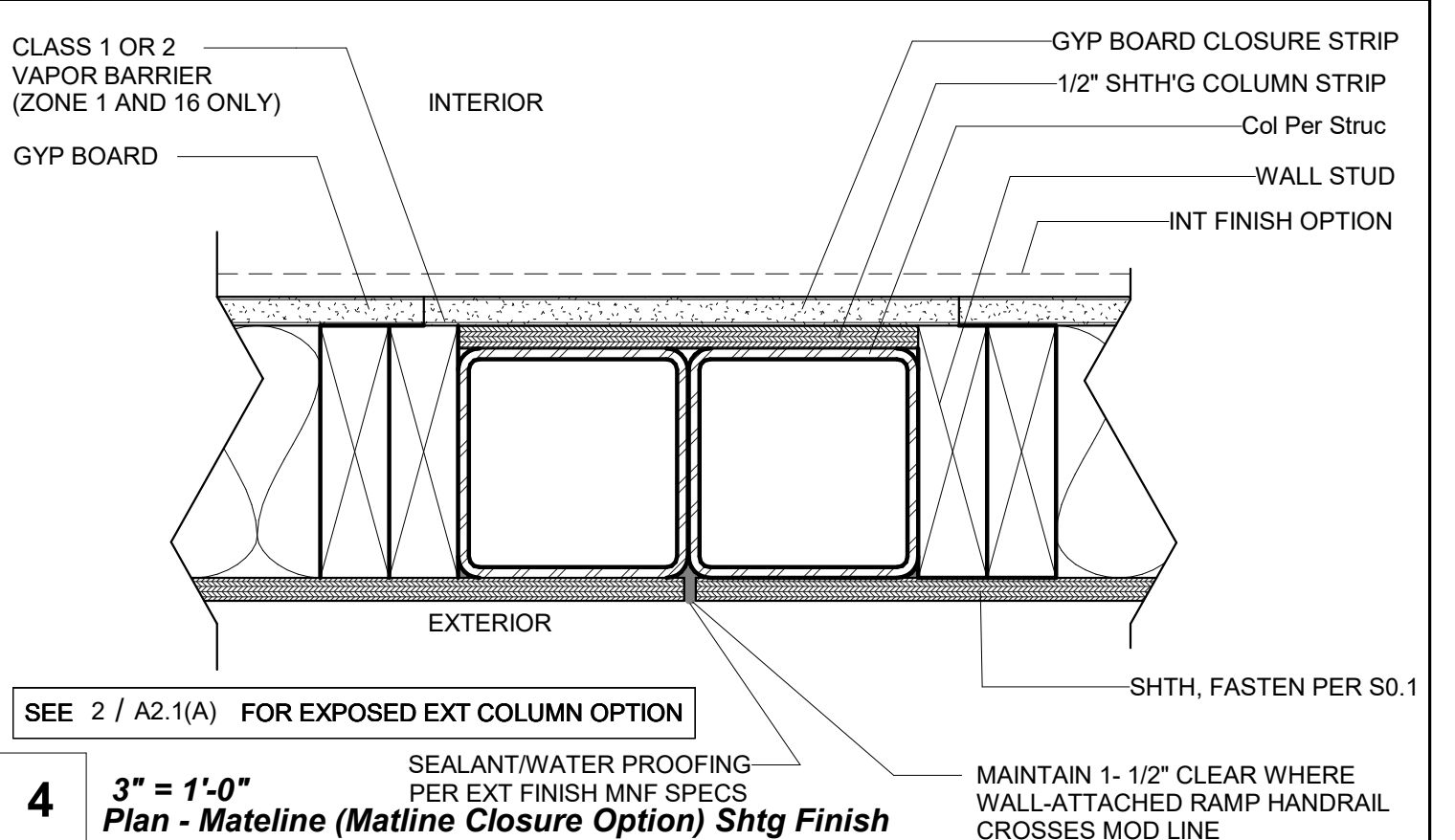
16 3" = 1'-0" Plan - HVAC Unit Shtg Finish



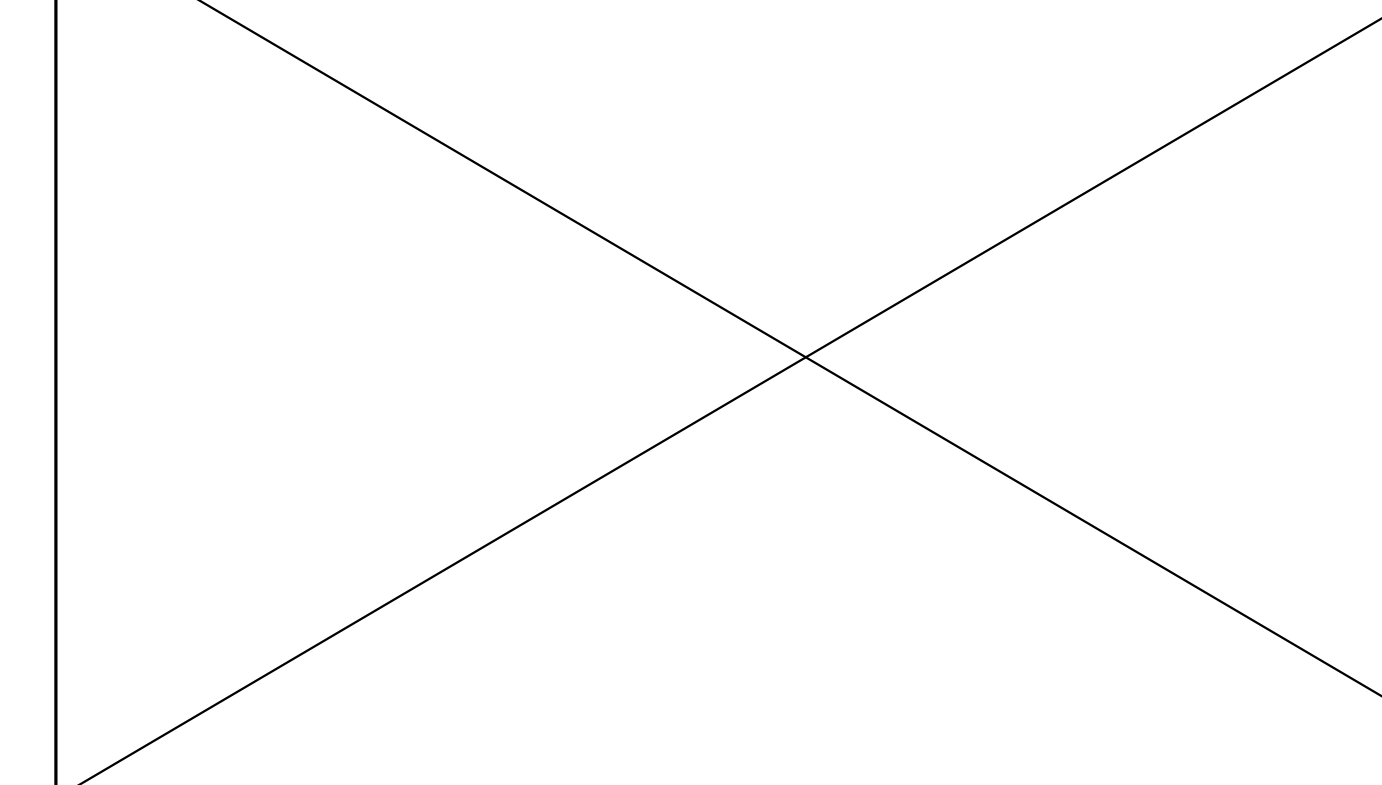
14 3" = 1'-0" Section - Ext Wall @ HVAC Shtg Finish



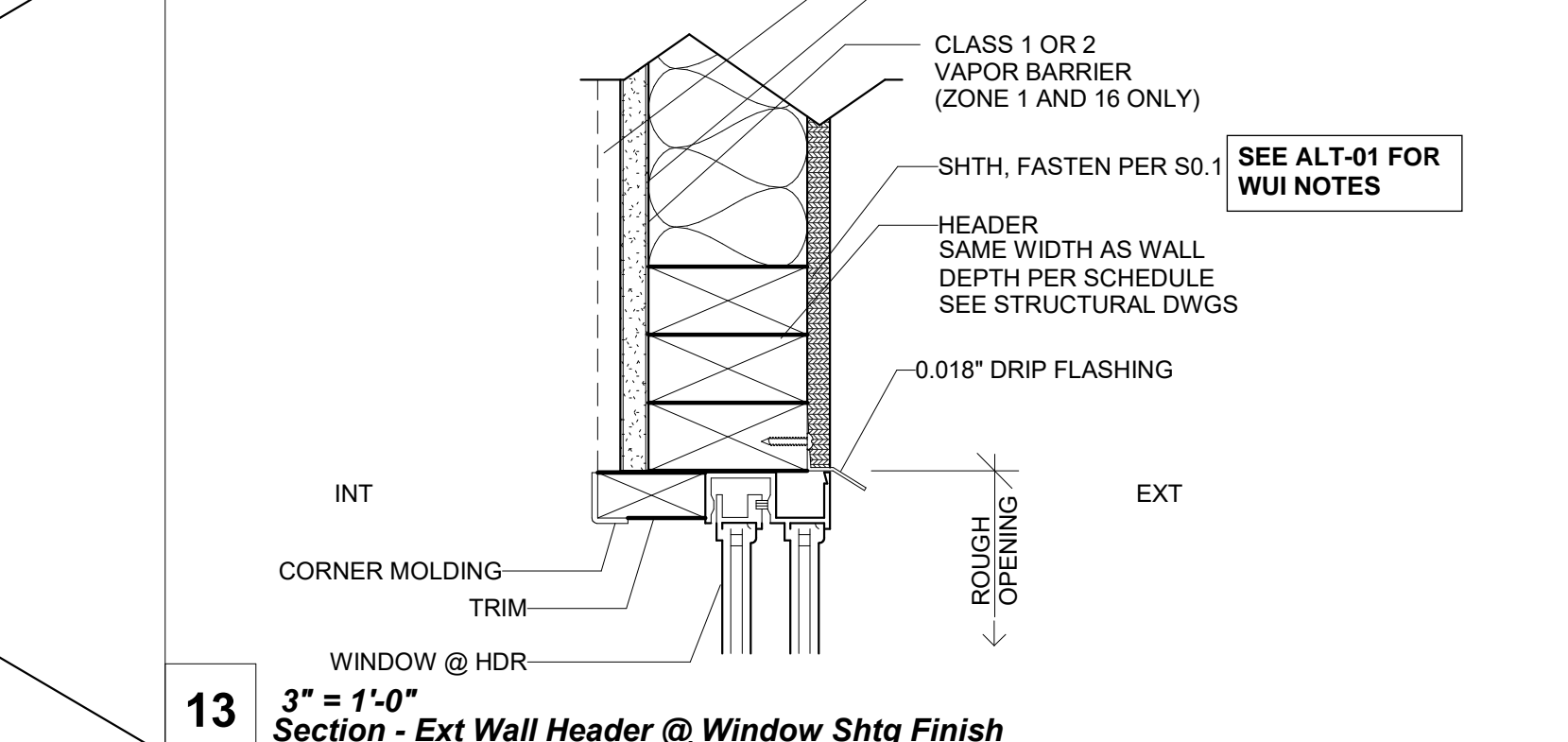
9 3" = 1'-0" Plan - Exterior Door Jamb Shtg Finish



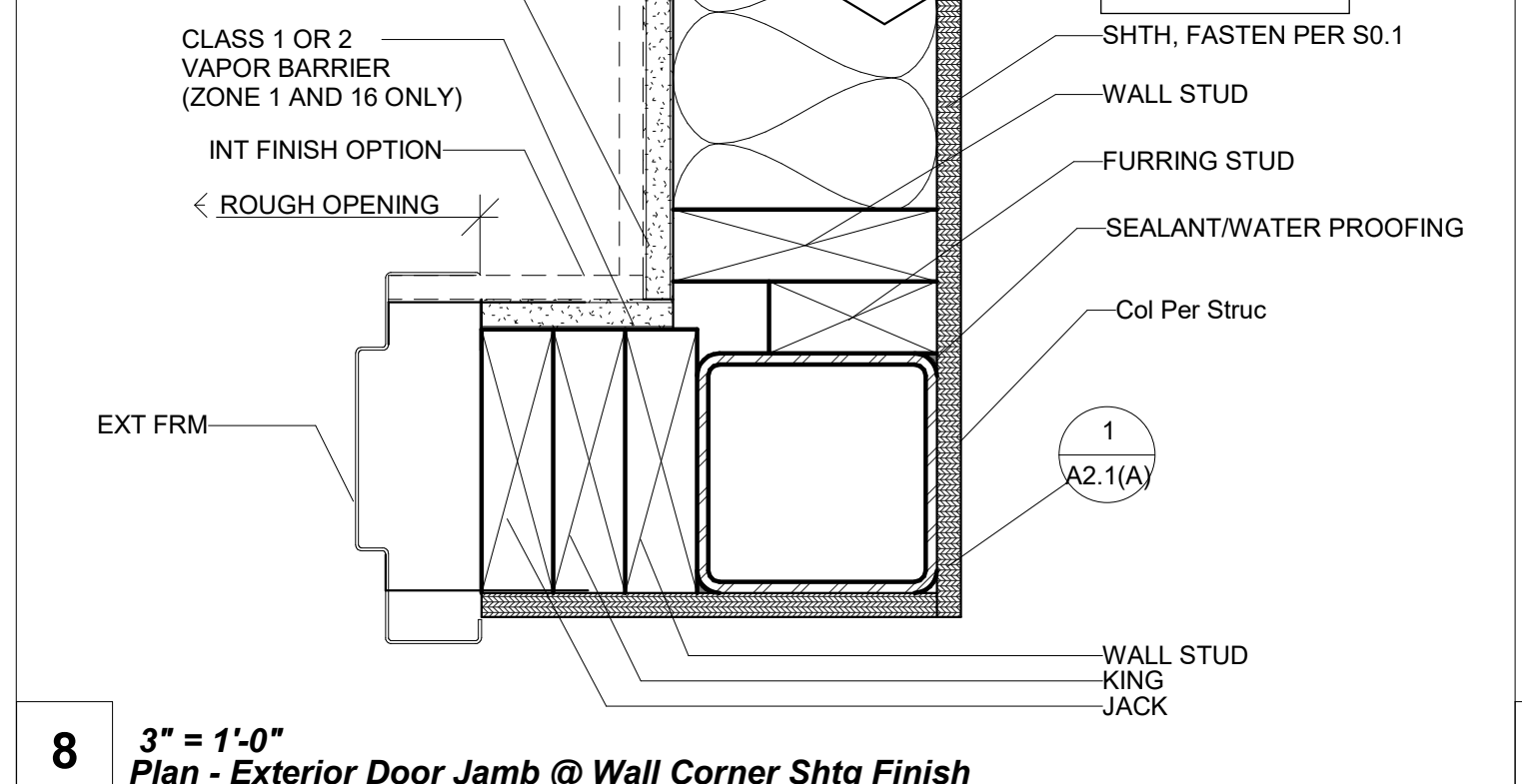
4 3" = 1'-0" Plan - Mateline (Matline Closure Option) Shtg Finish



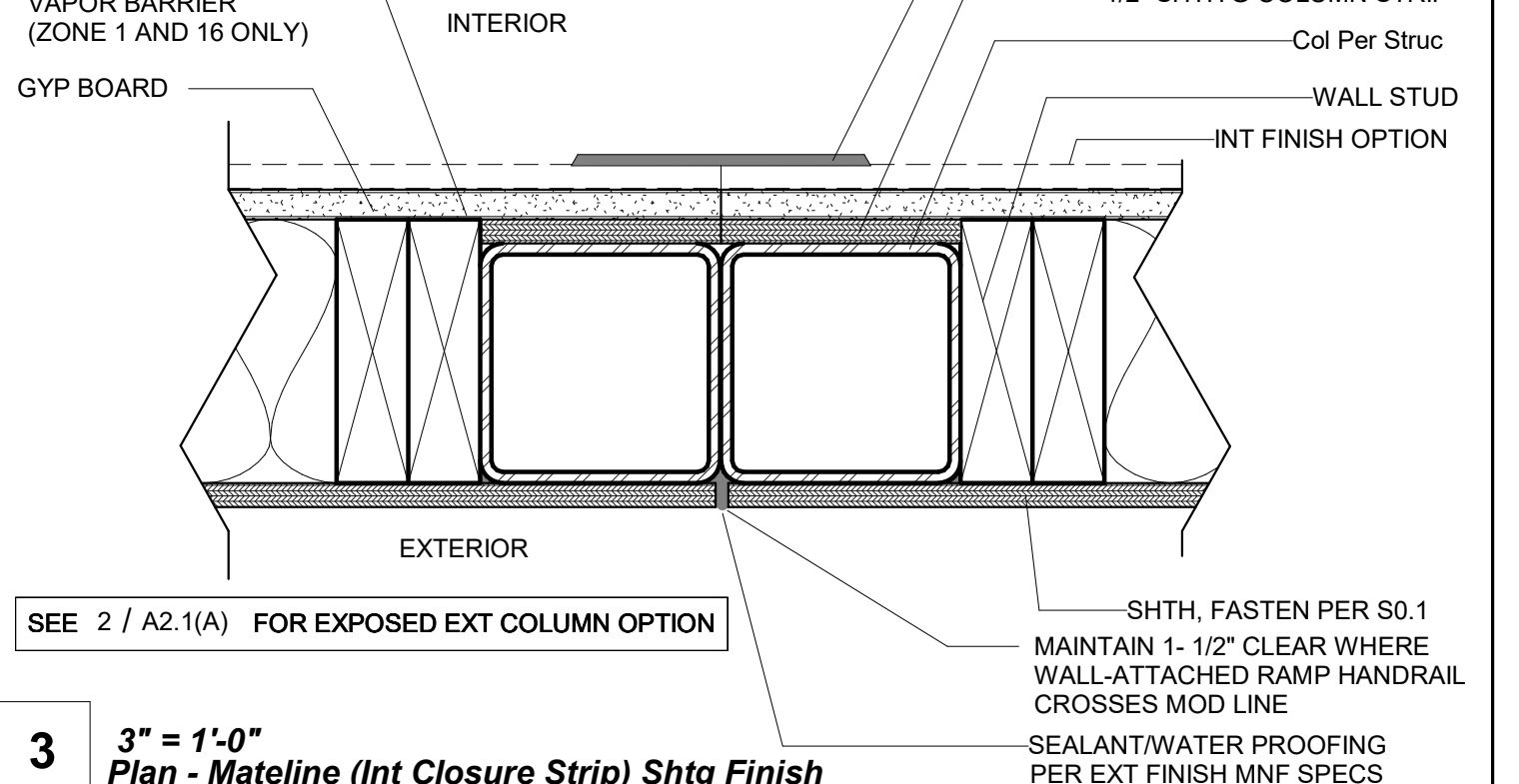
13 3" = 1'-0" Section - Ext Wall Header @ Window Shtg Finish



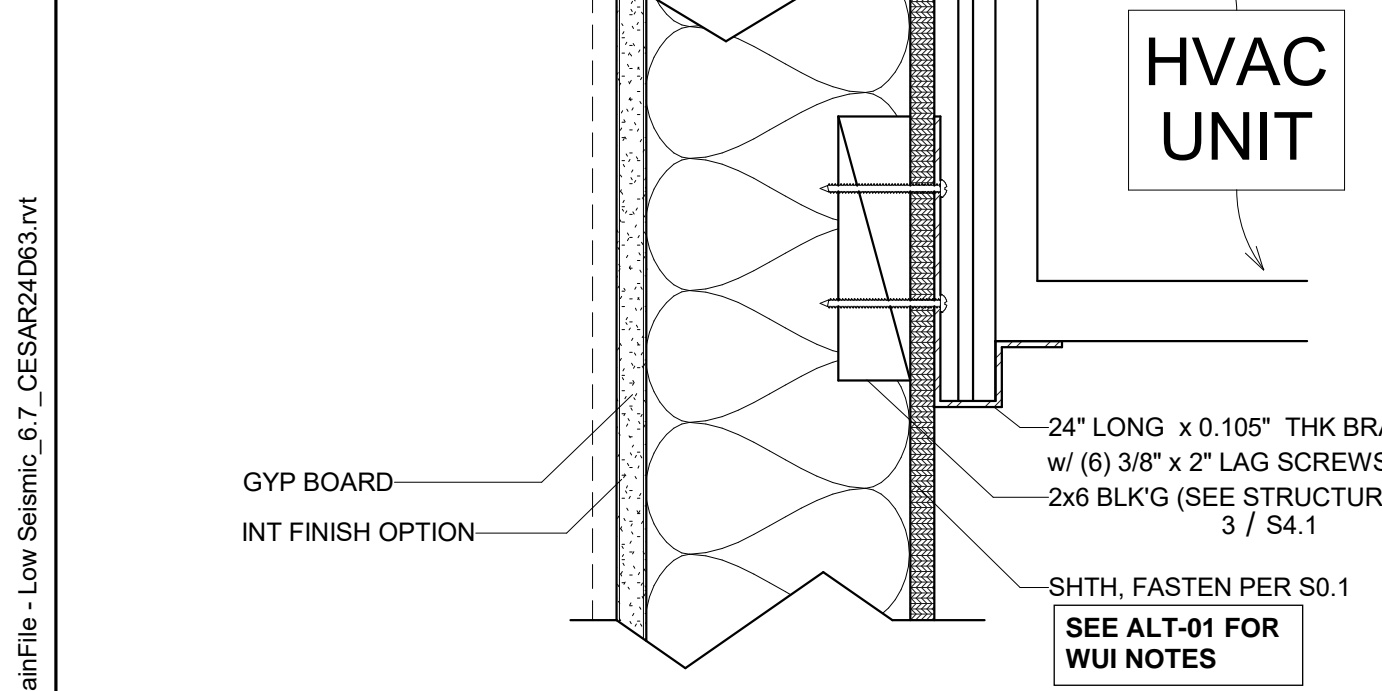
8 3" = 1'-0" Plan - Exterior Door Jamb @ Wall Corner Shtg Finish



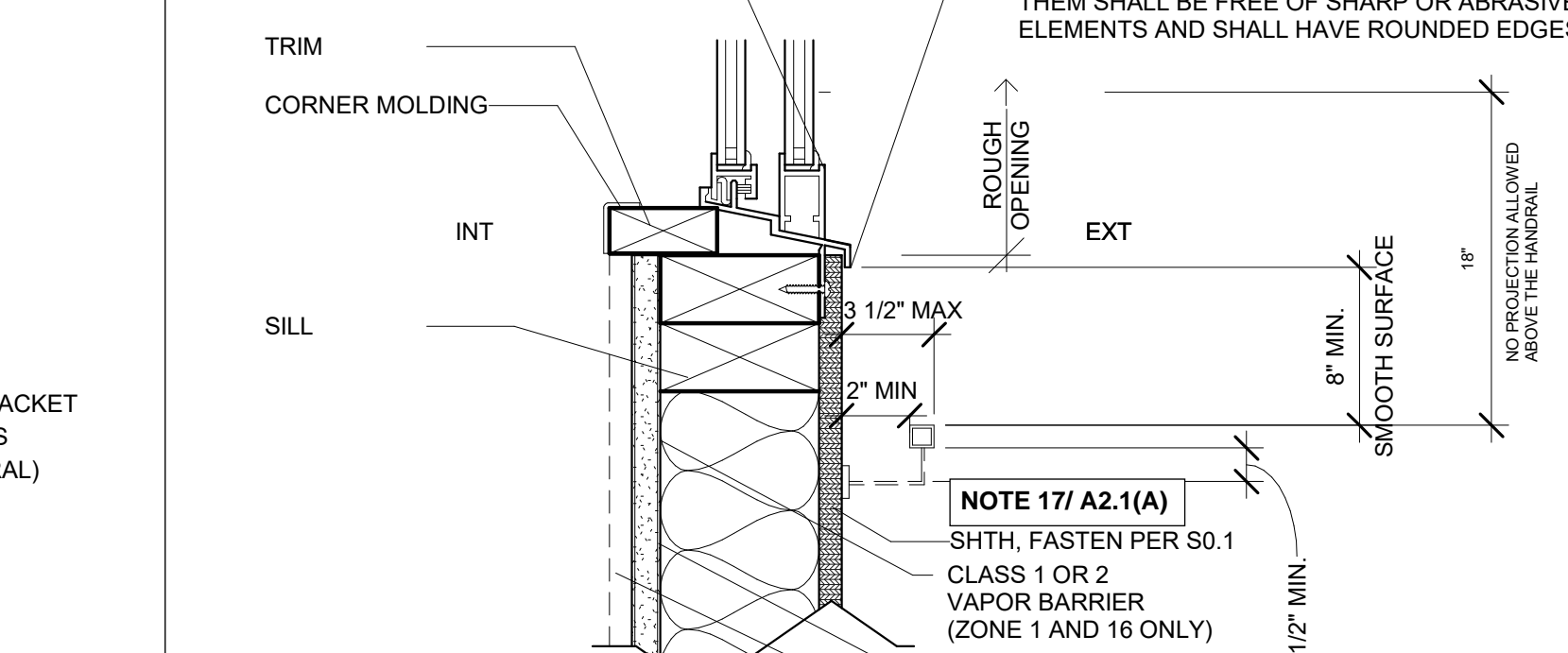
7 3" = 1'-0" Plan - Interior Door Jamb @ Wall Corner Shtg Finish



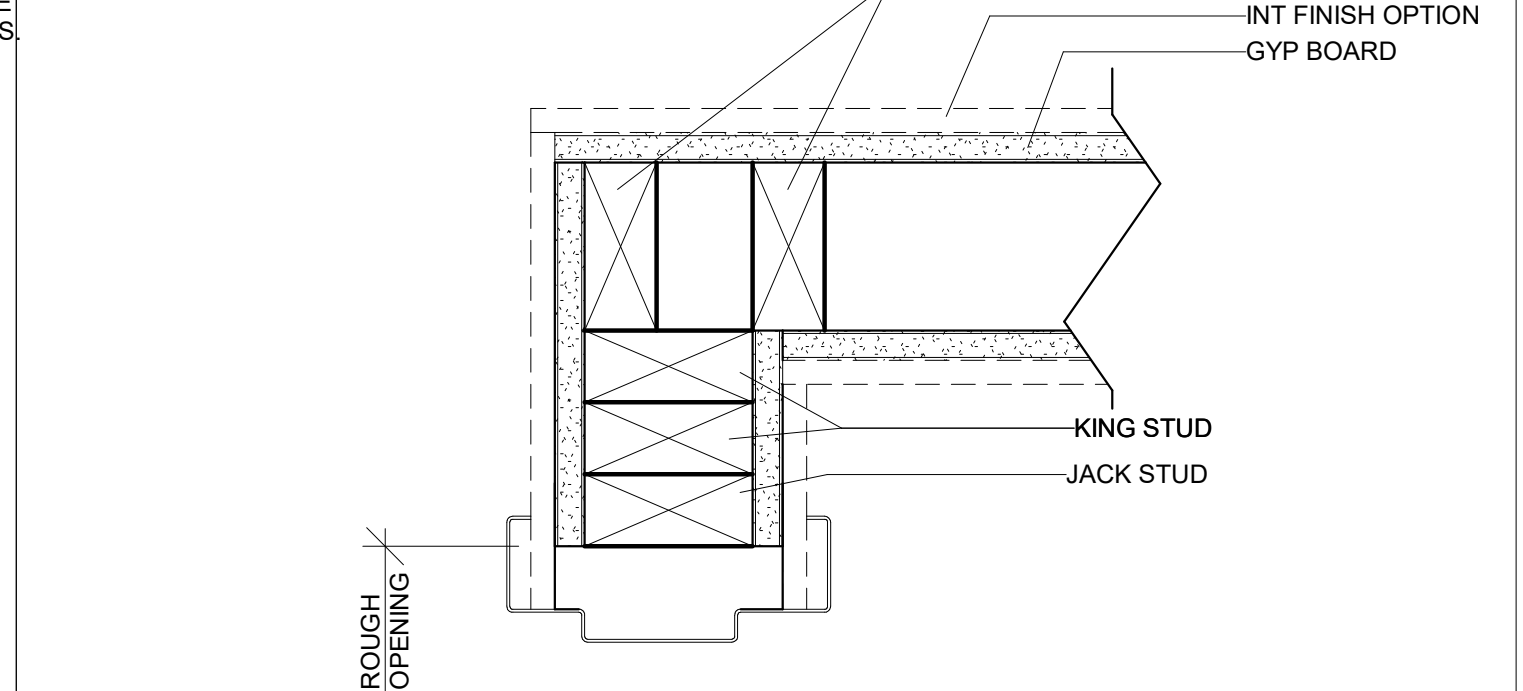
3 3" = 1'-0" Plan - Mateline (Int Closure Strip) Shtg Finish



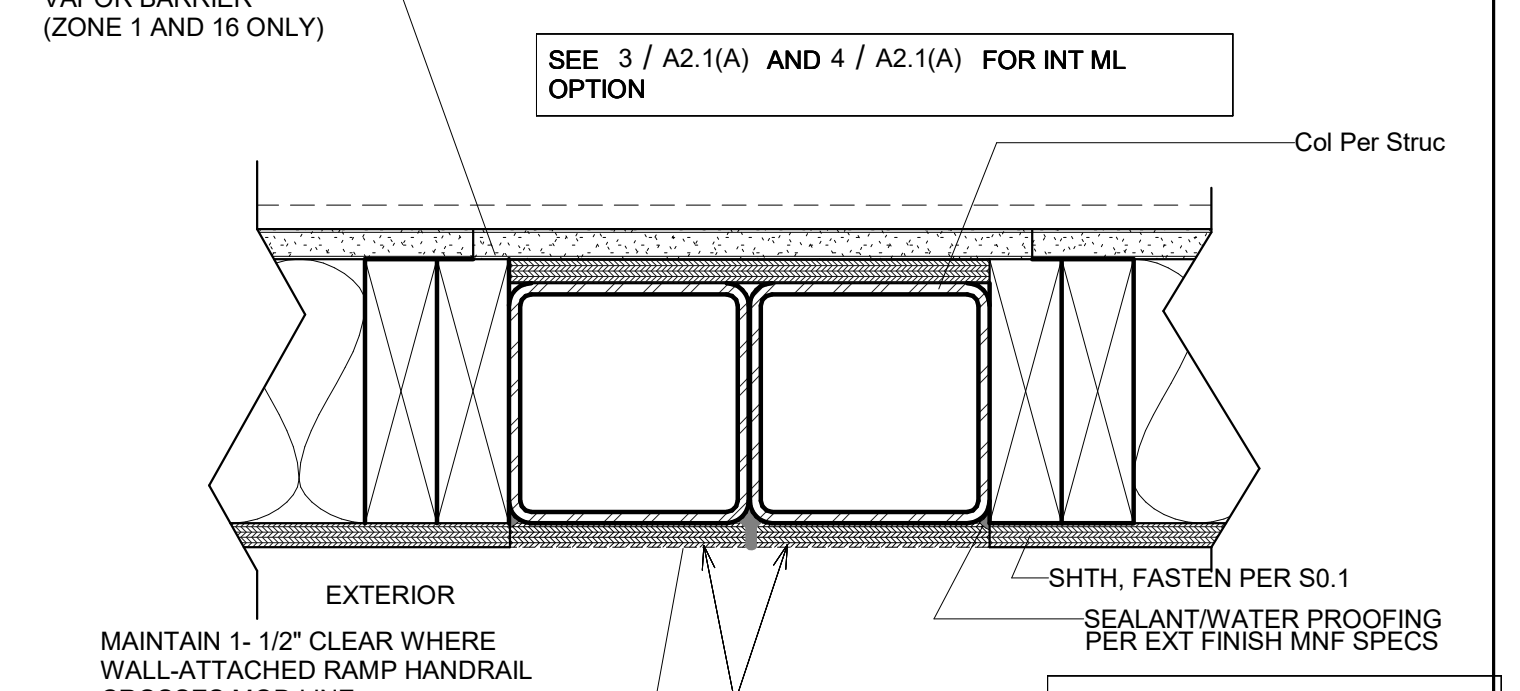
14 3" = 1'-0" Section - Ext Wall @ HVAC Shtg Finish



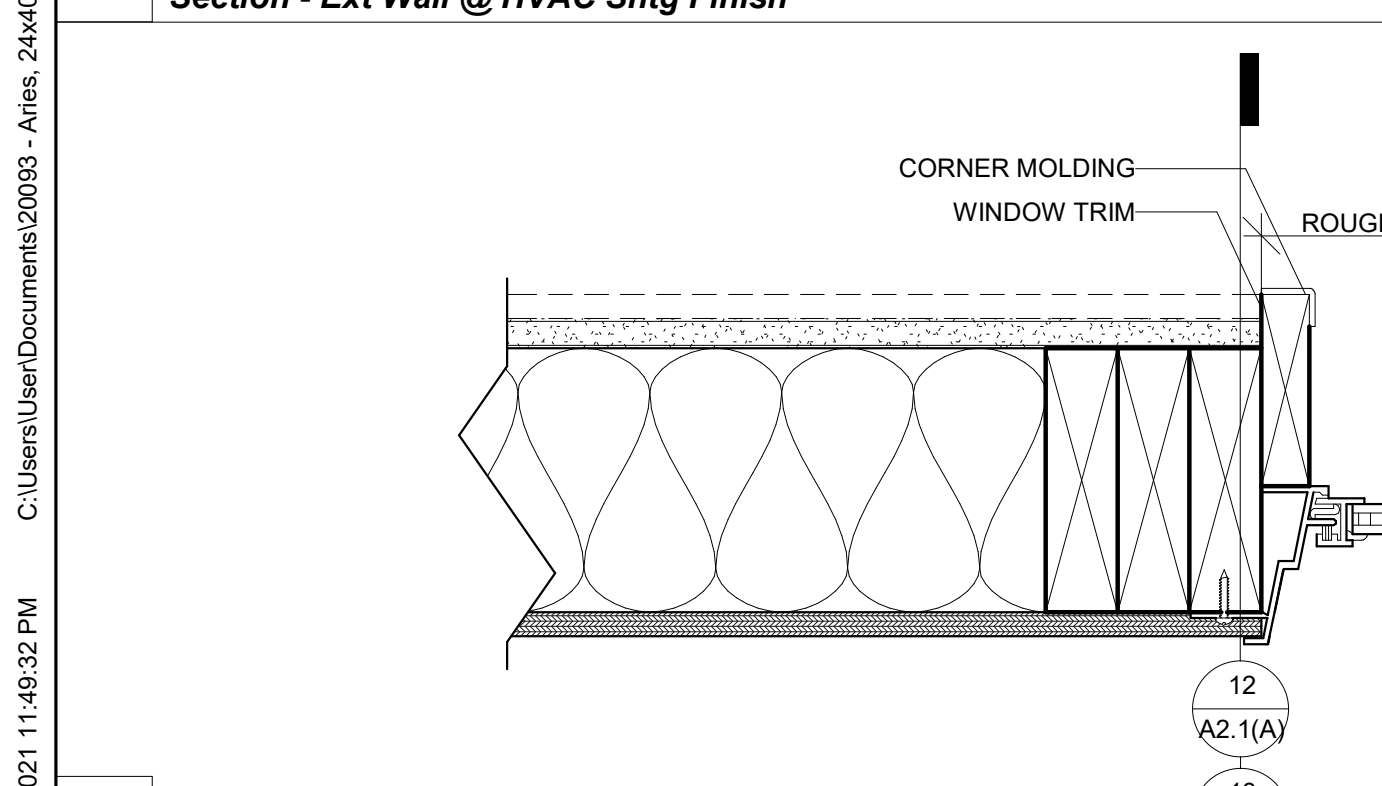
12 3" = 1'-0" Section - Ext Wall Sill @ Window Shtg Finish



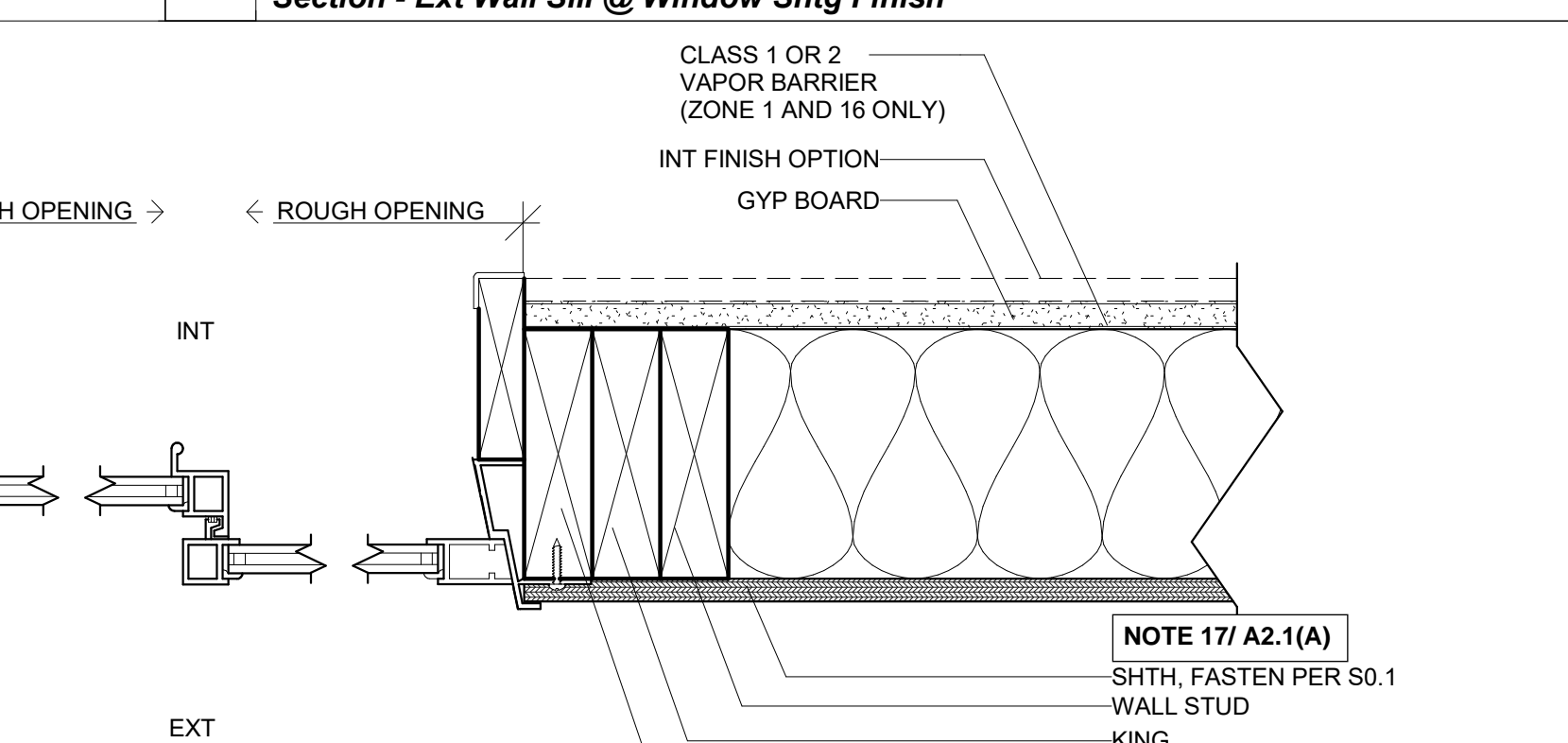
6 3" = 1'-0" Plan - Interior Door Jamb @ Wall Intersection Shtg Finish



2 3" = 1'-0" Plan - Mateline (ext exposed column mateline) Shtg Finish



11 3" = 1'-0" Plan - Exterior Window Jamb Shtg Finish



1 3" = 1'-0" Plan - Column @ Corner (ext exposed column option)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-122805 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/28/2023

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT MGT
11500 W BERNHARD COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
MANNY D. FLORES
03/31/24
PC 12345
STATE OF CALIFORNIA
05/24/23
RSTAV2088

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CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908/Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule		
#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
ARCHITECTURAL
DETAILS
(WOOD FRAMING
SHTG FINISH)

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

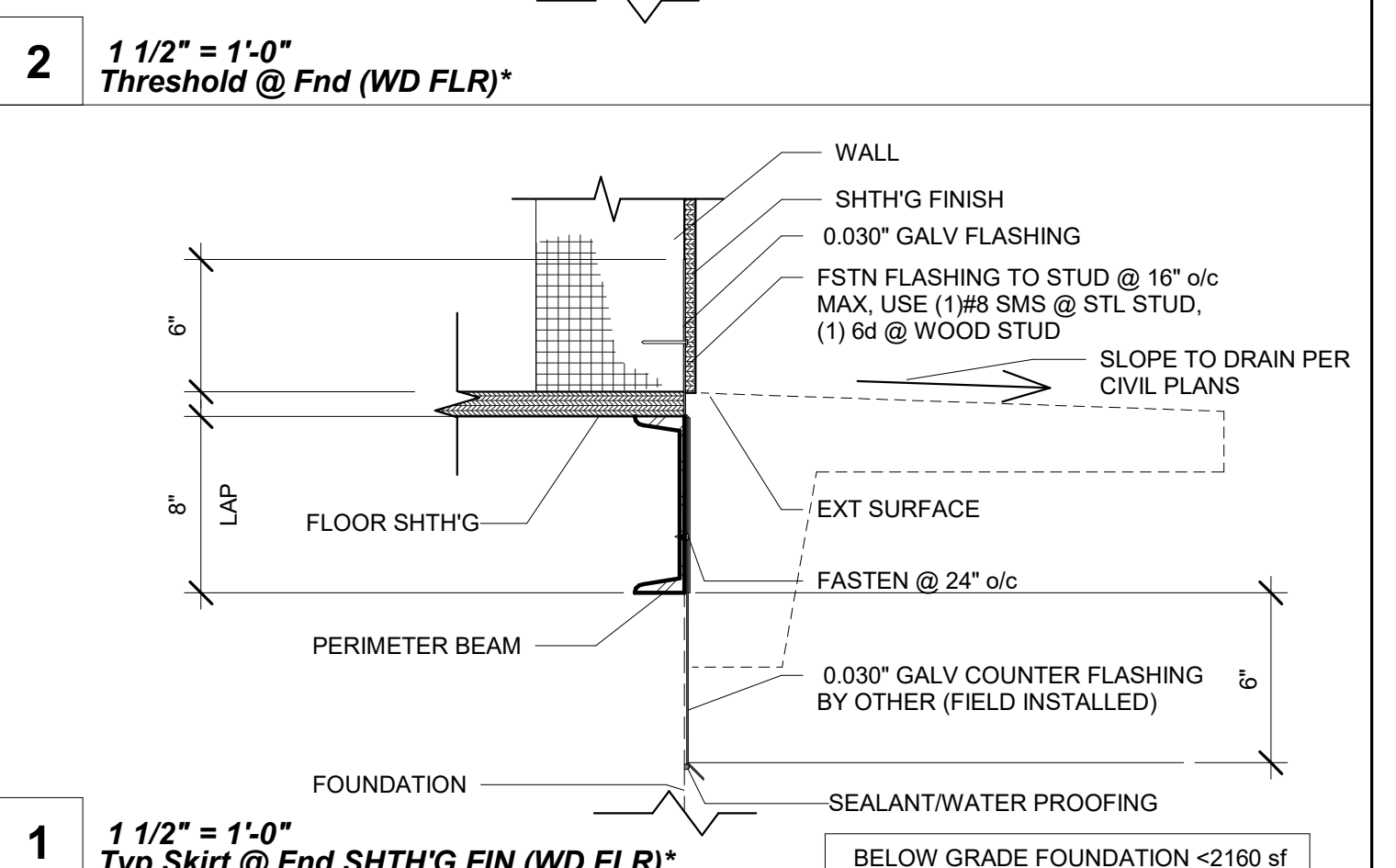
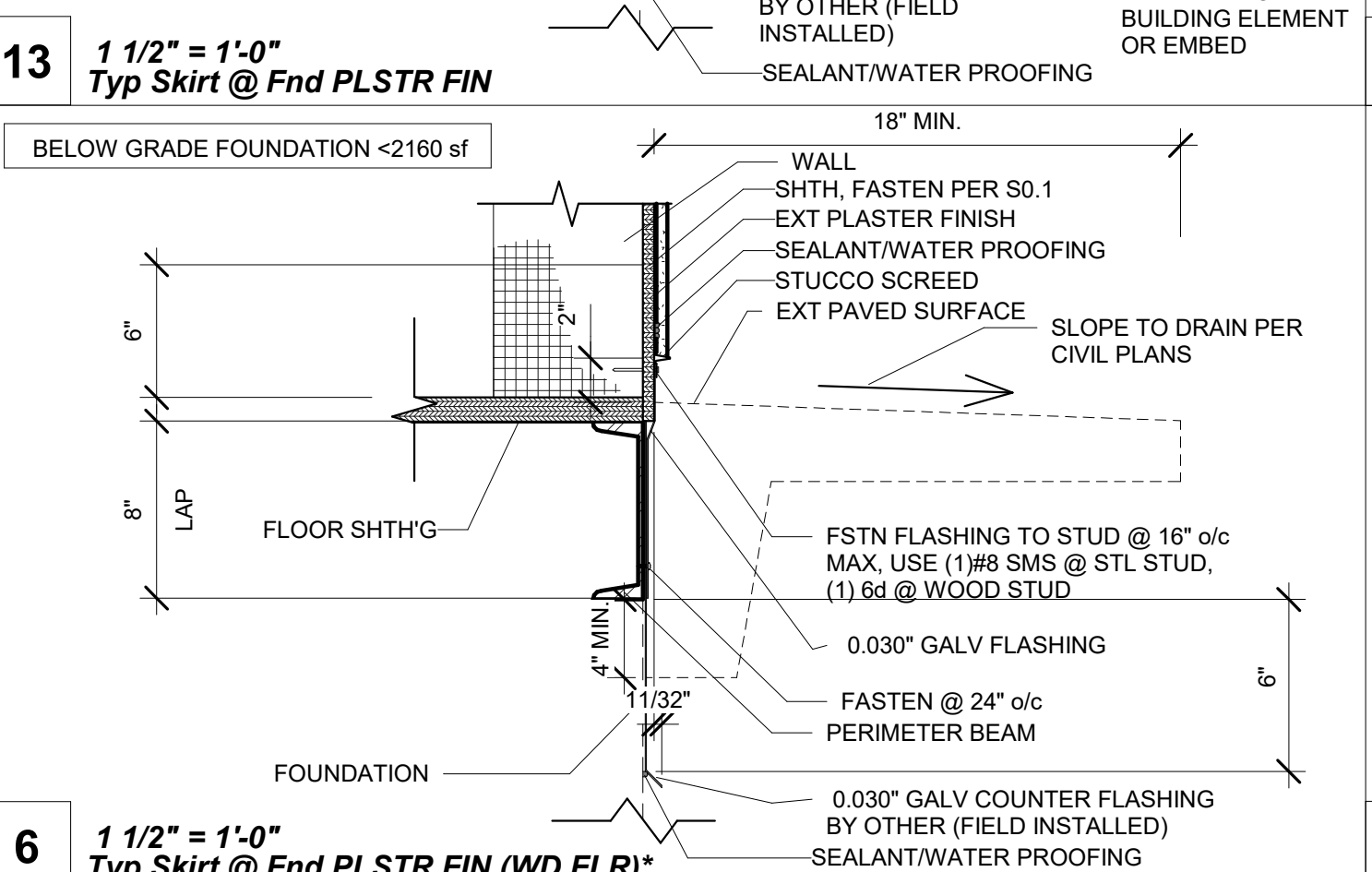
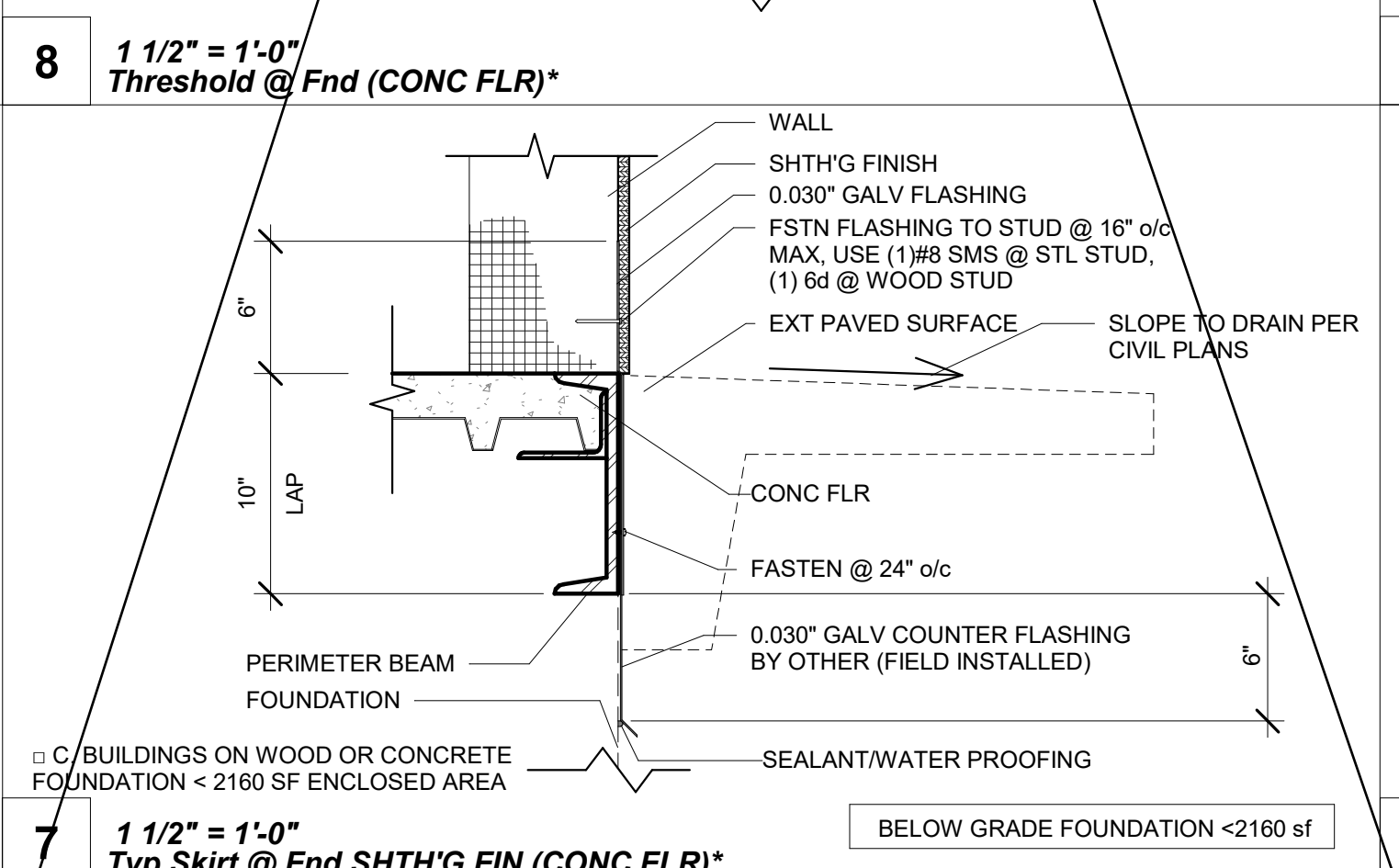
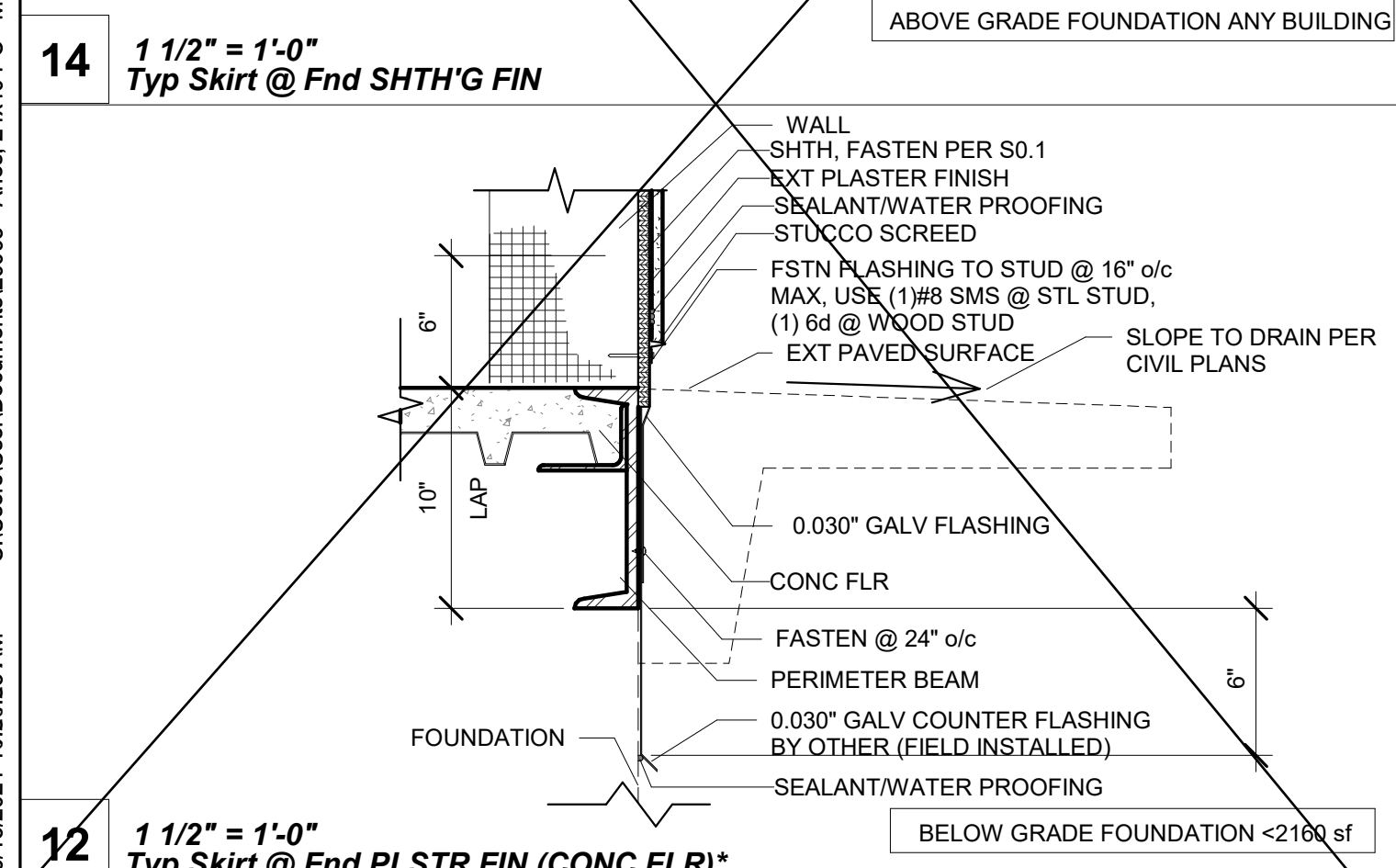
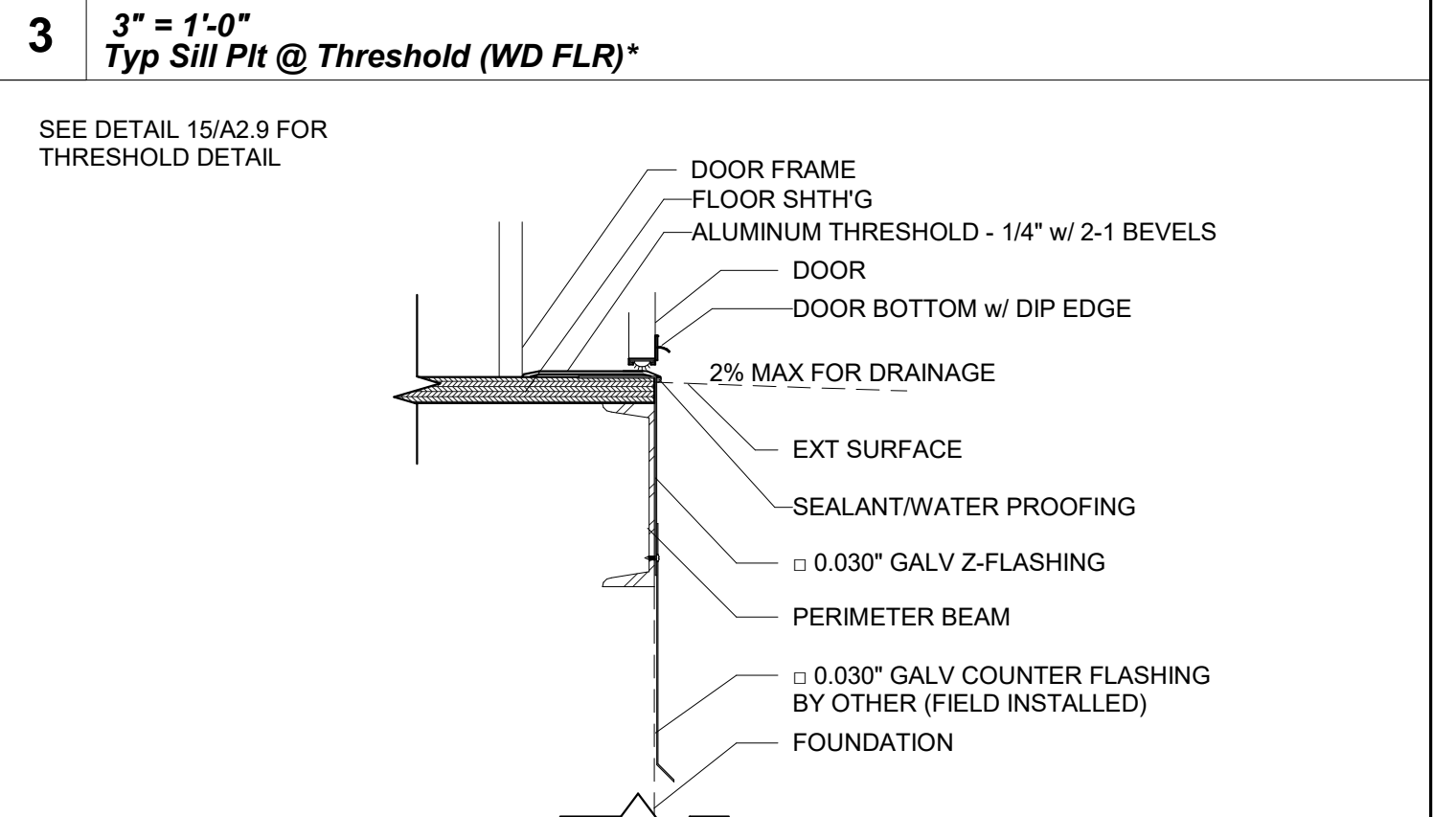
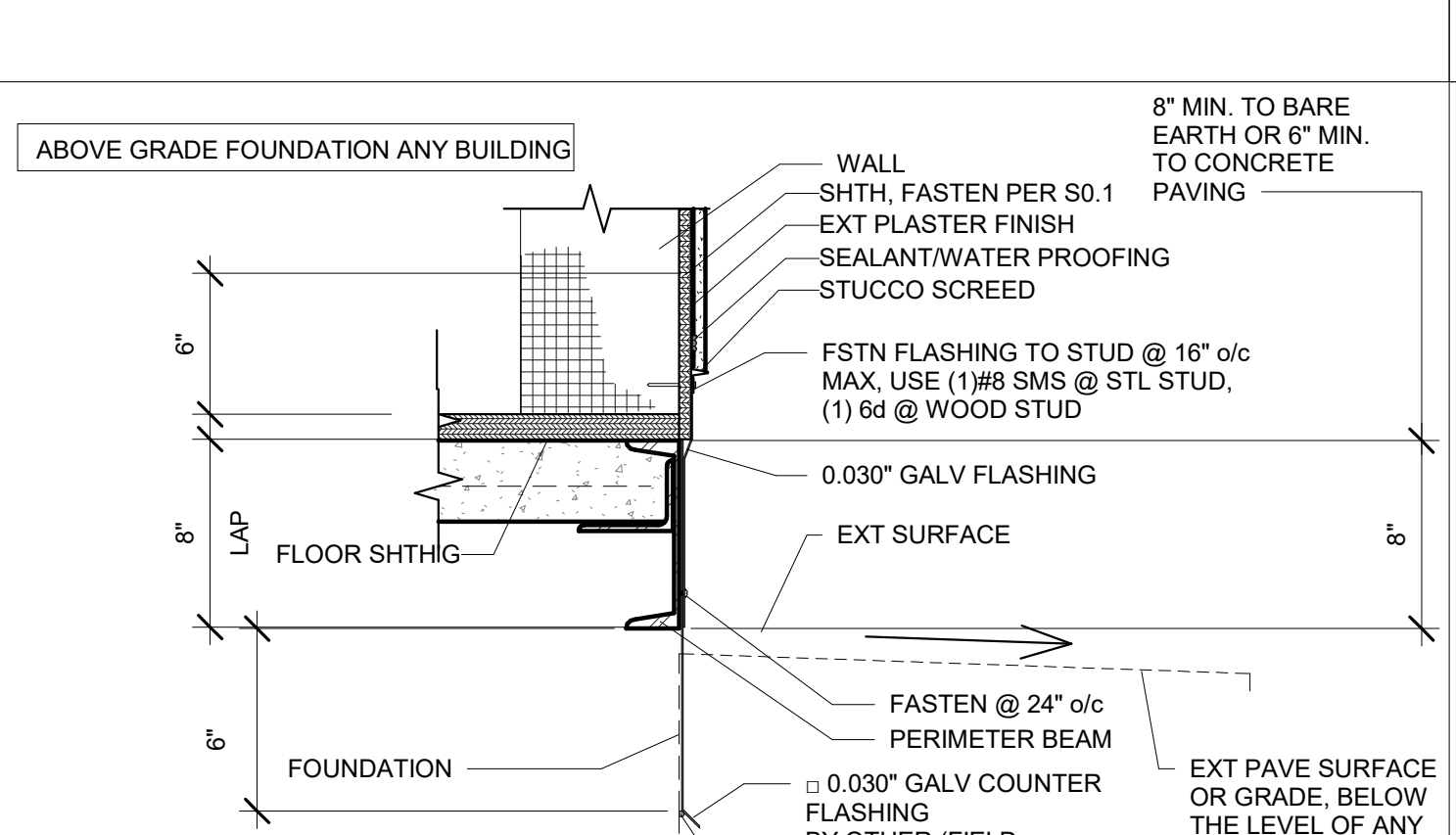
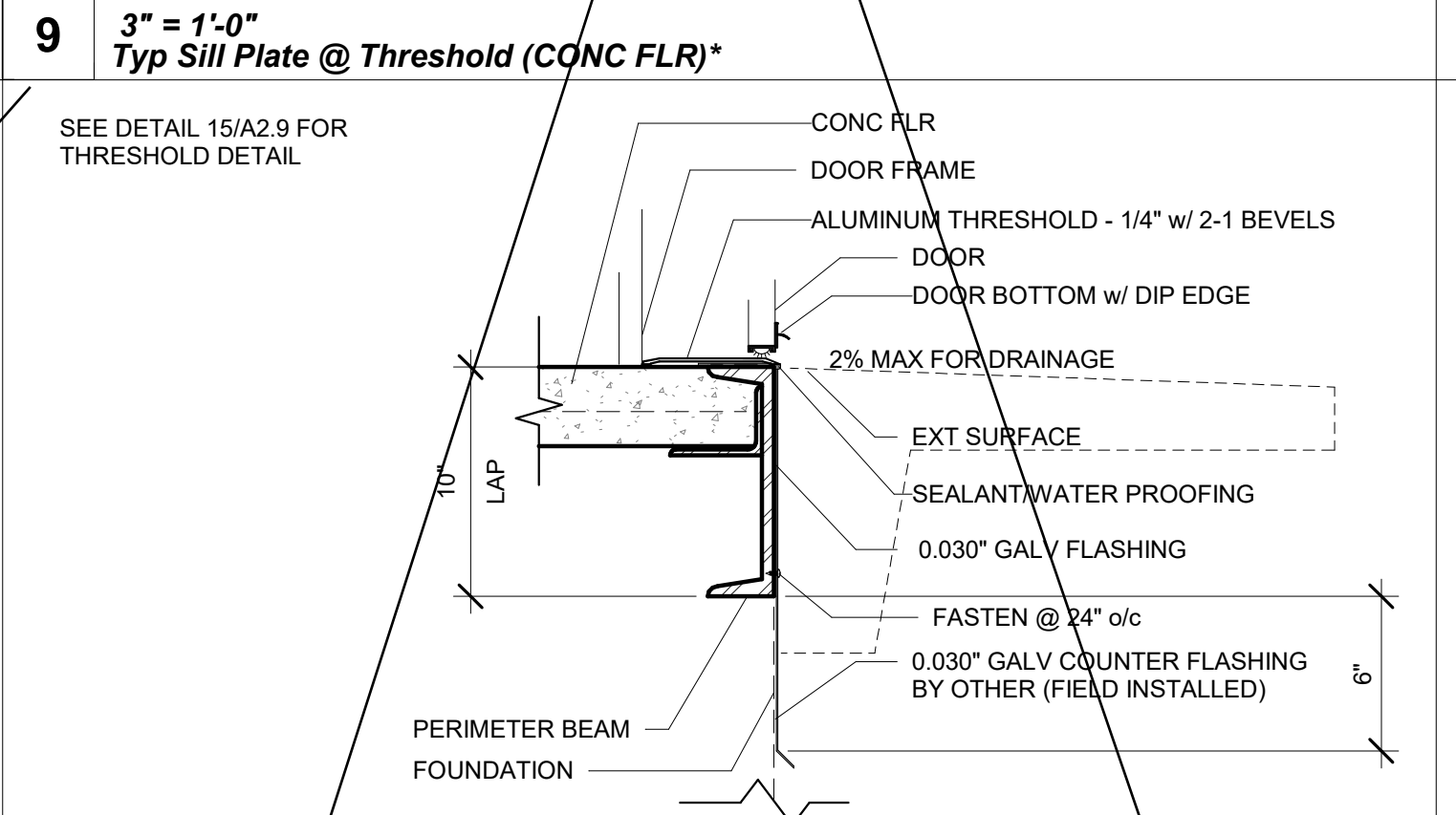
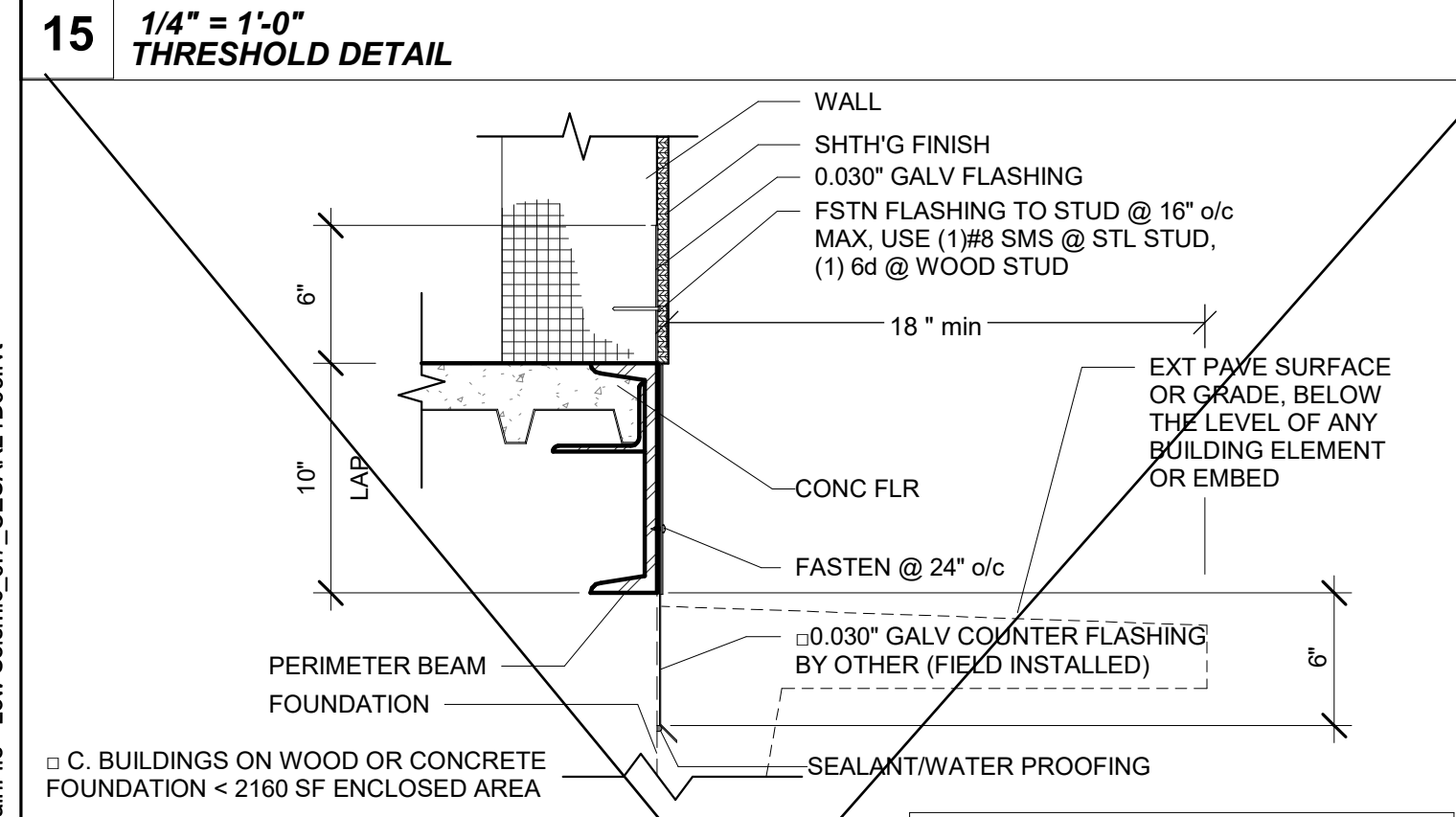
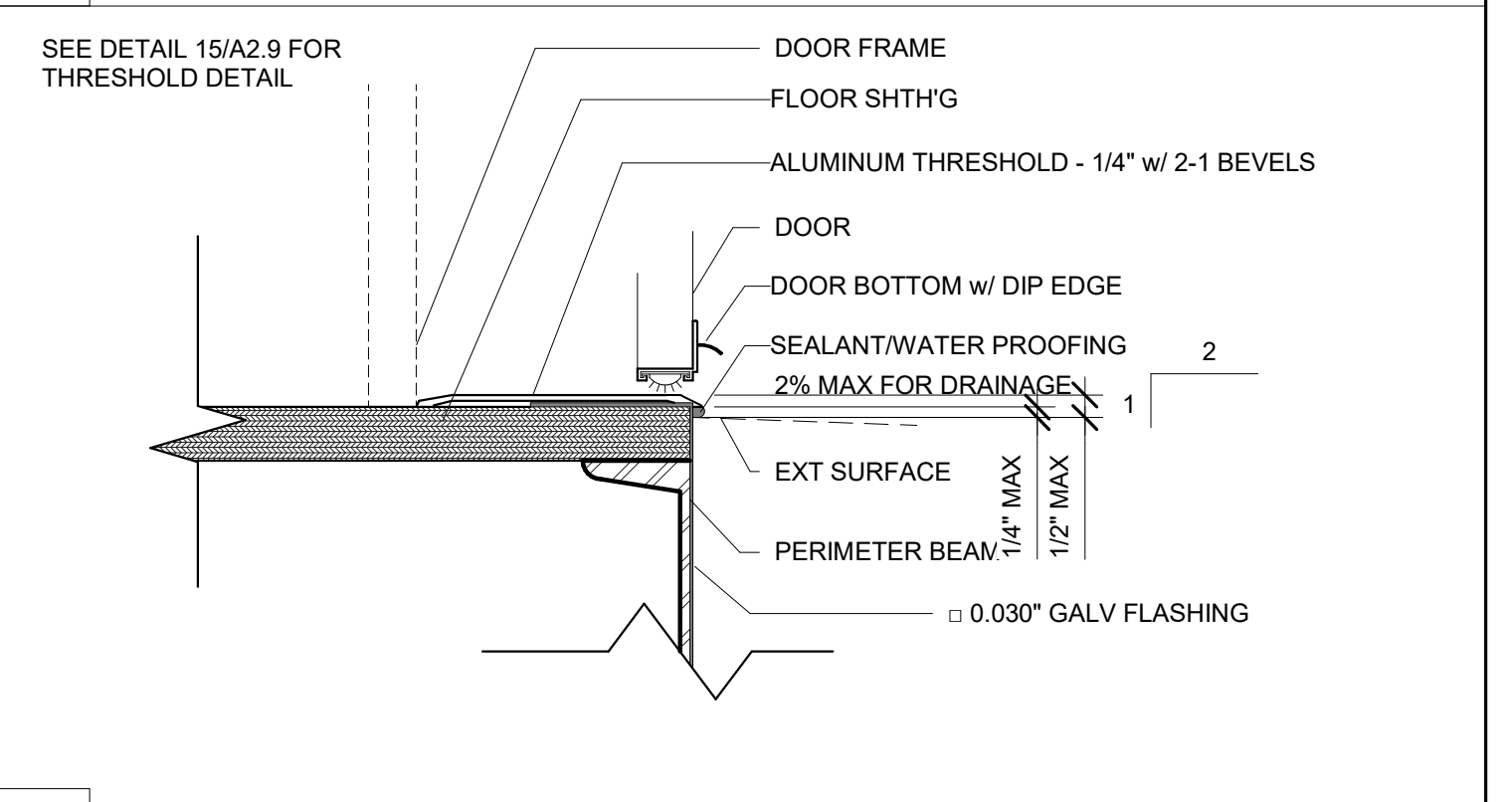
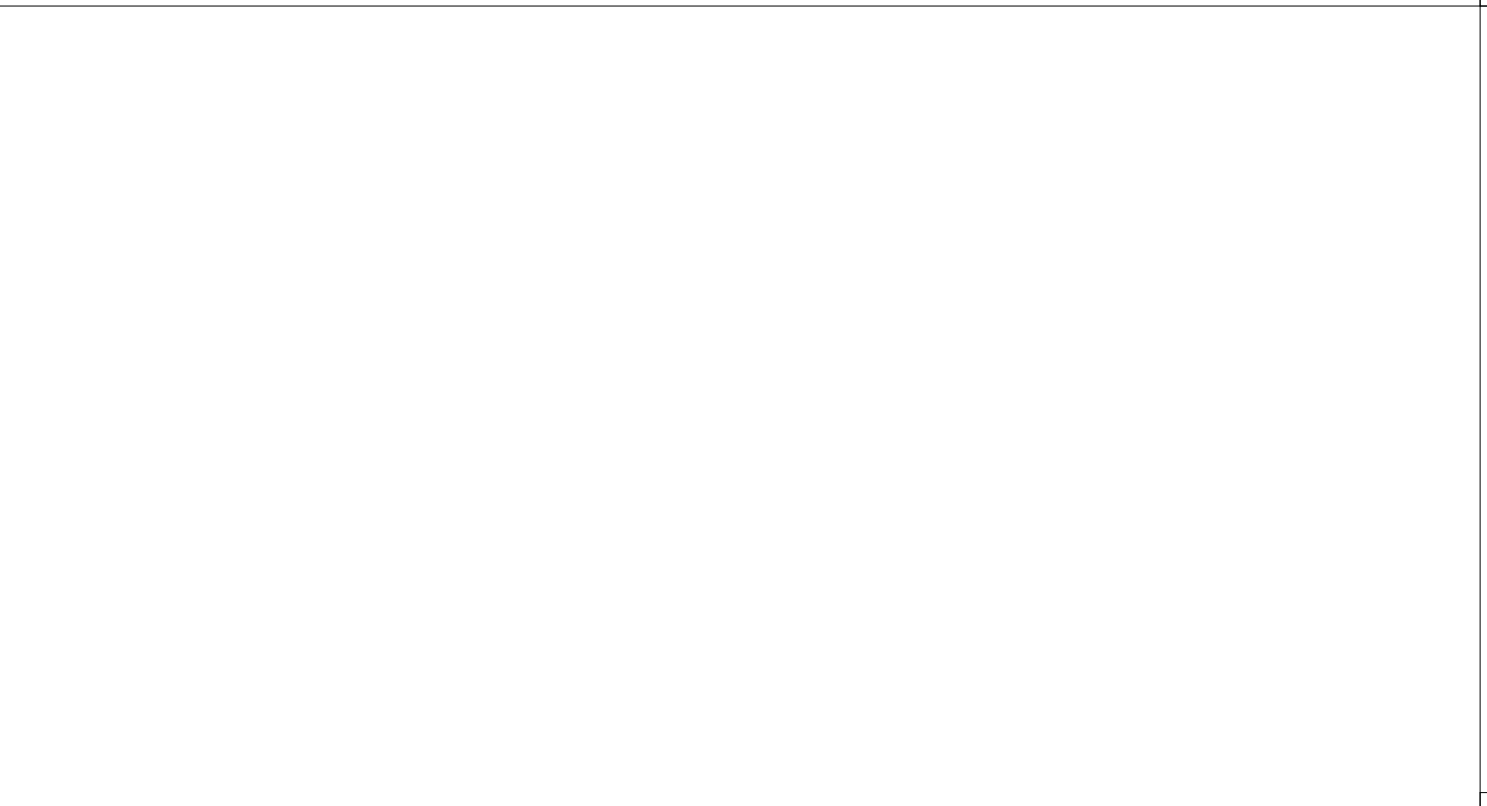
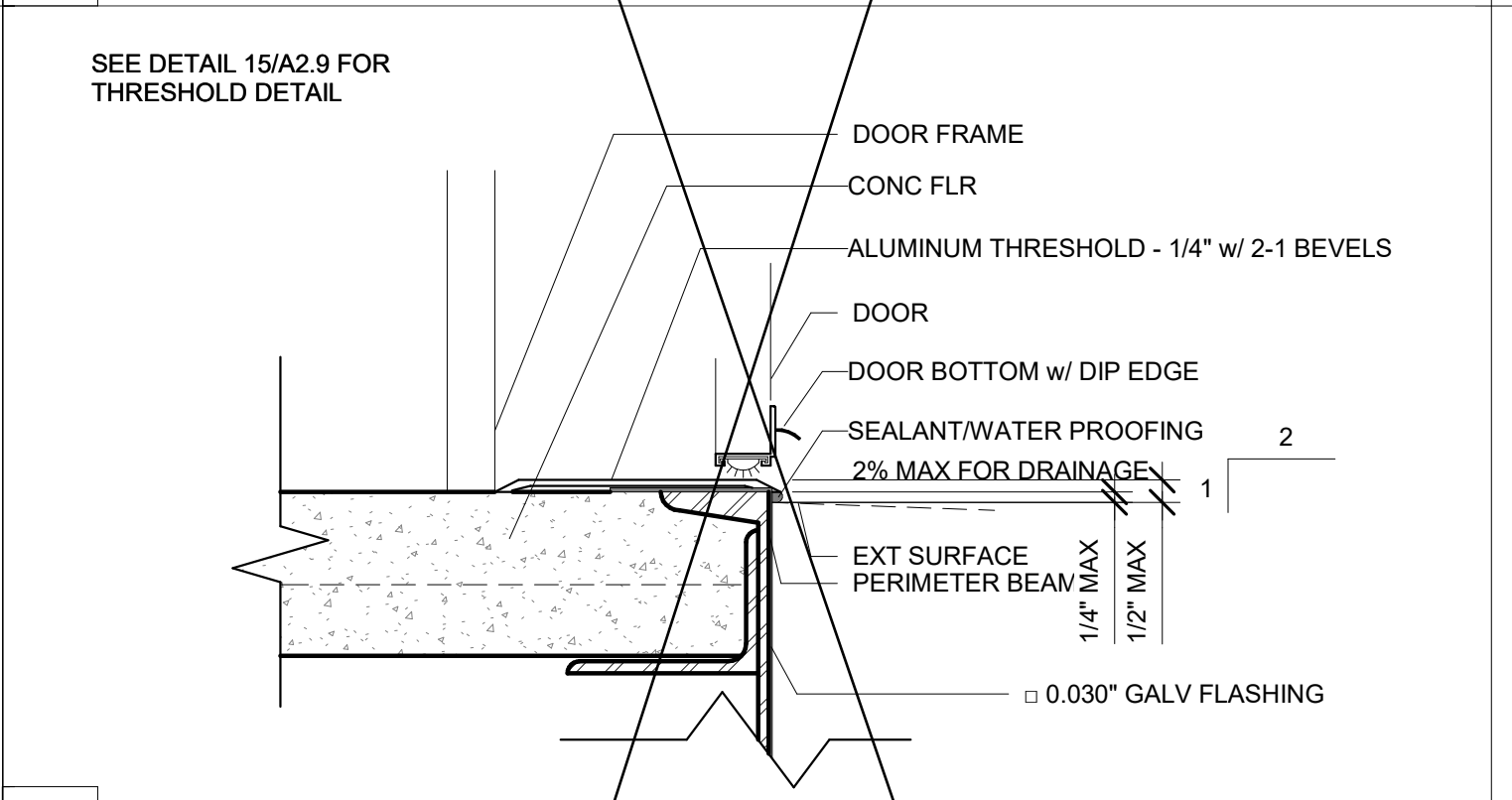
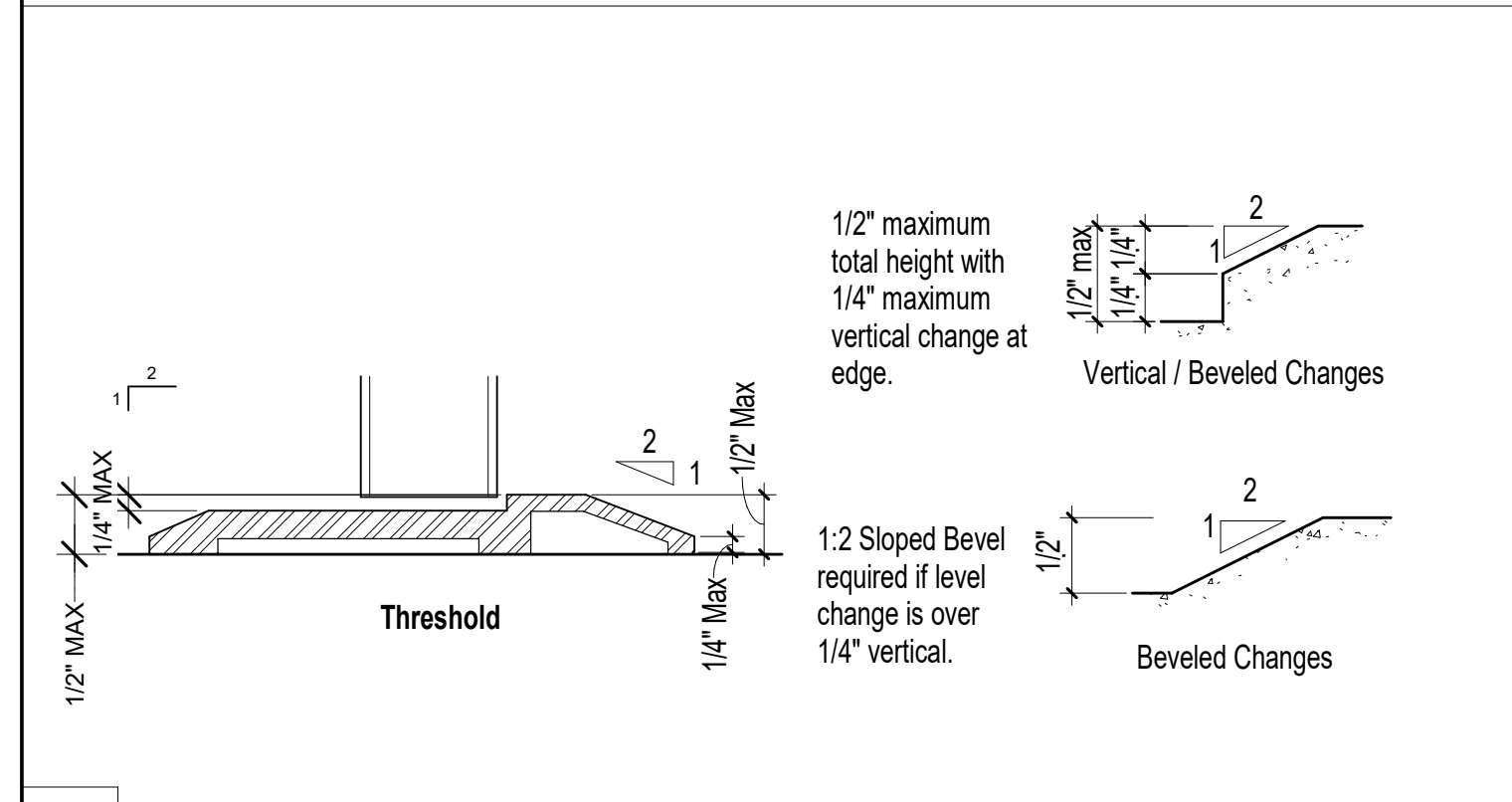
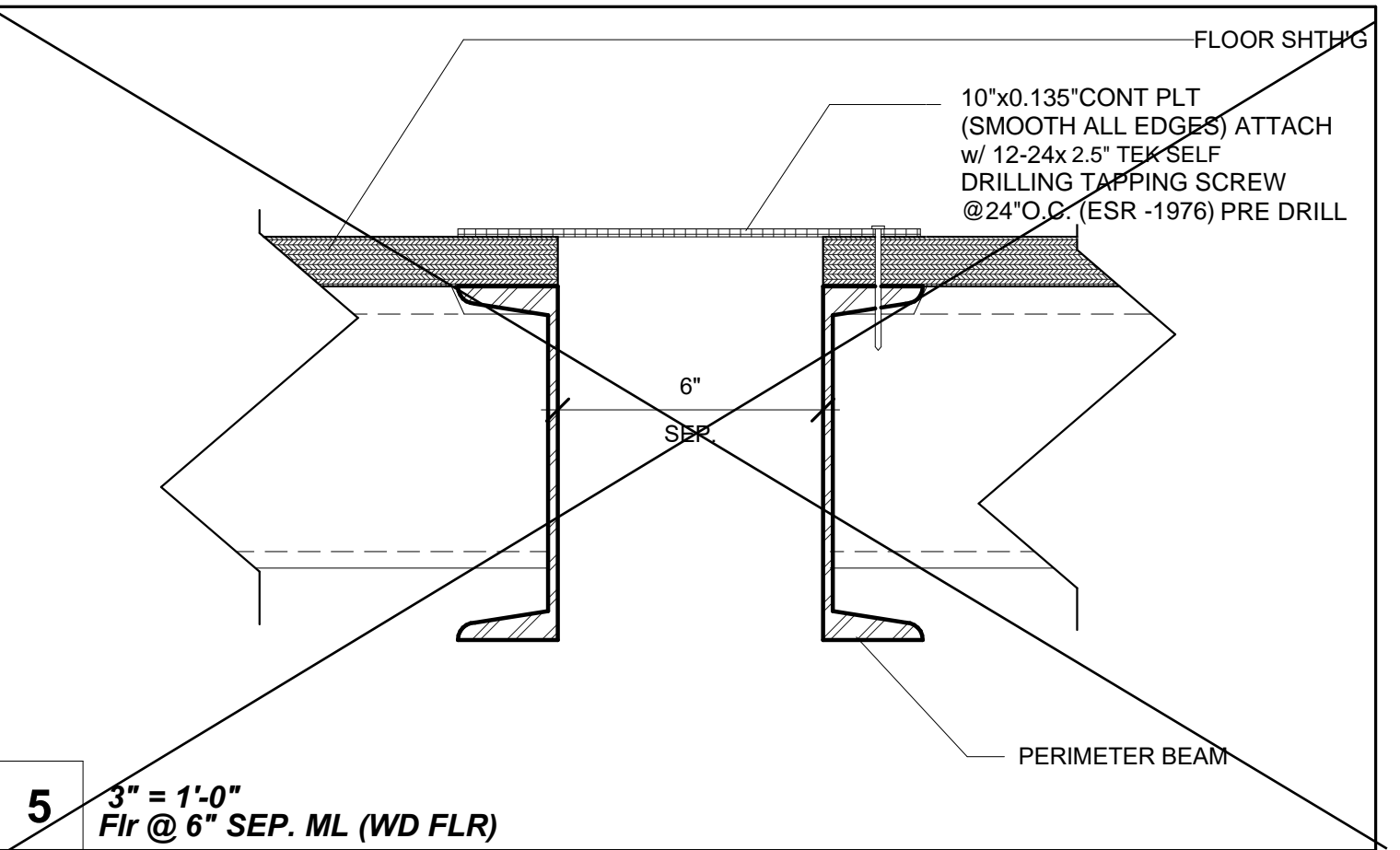
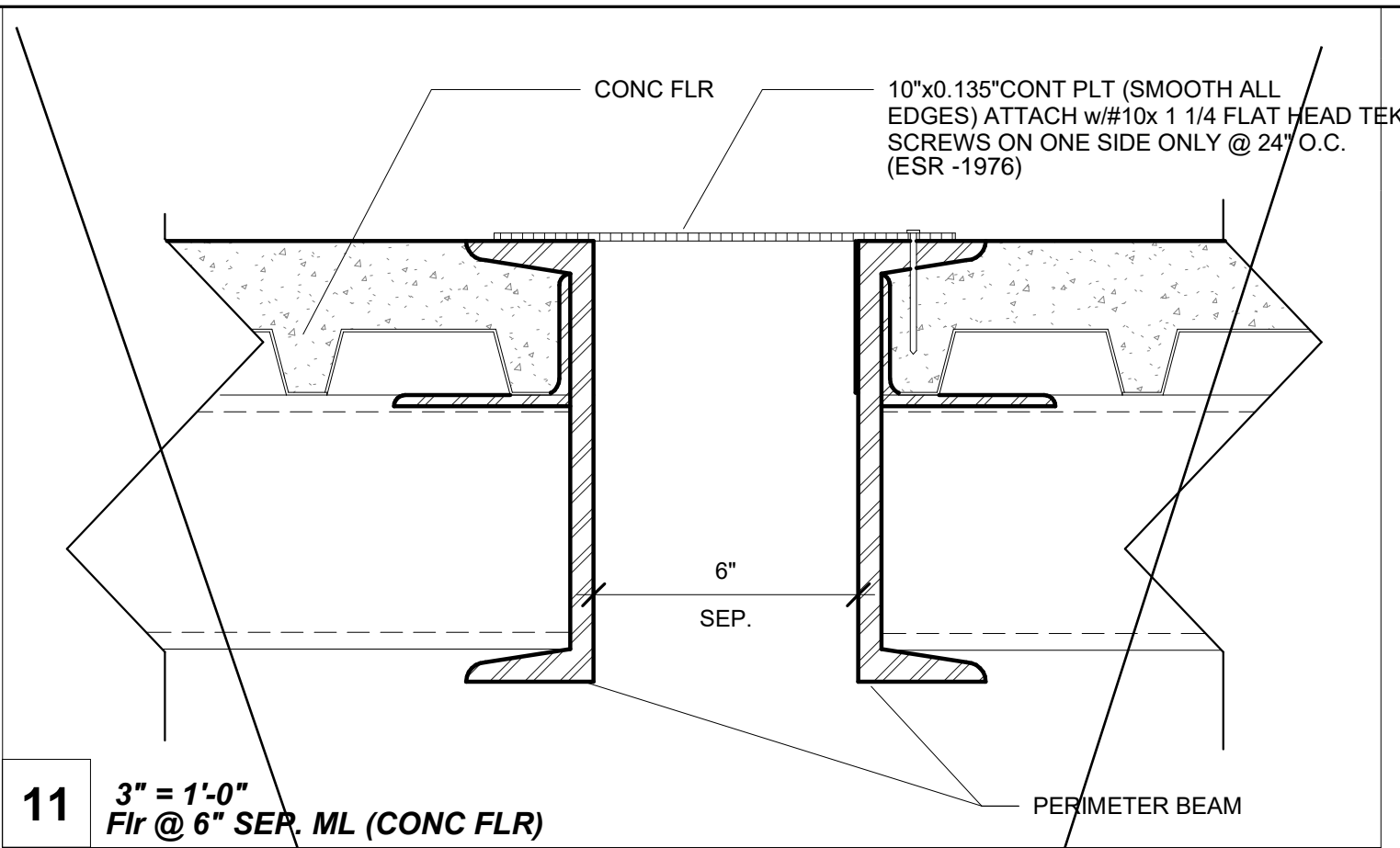
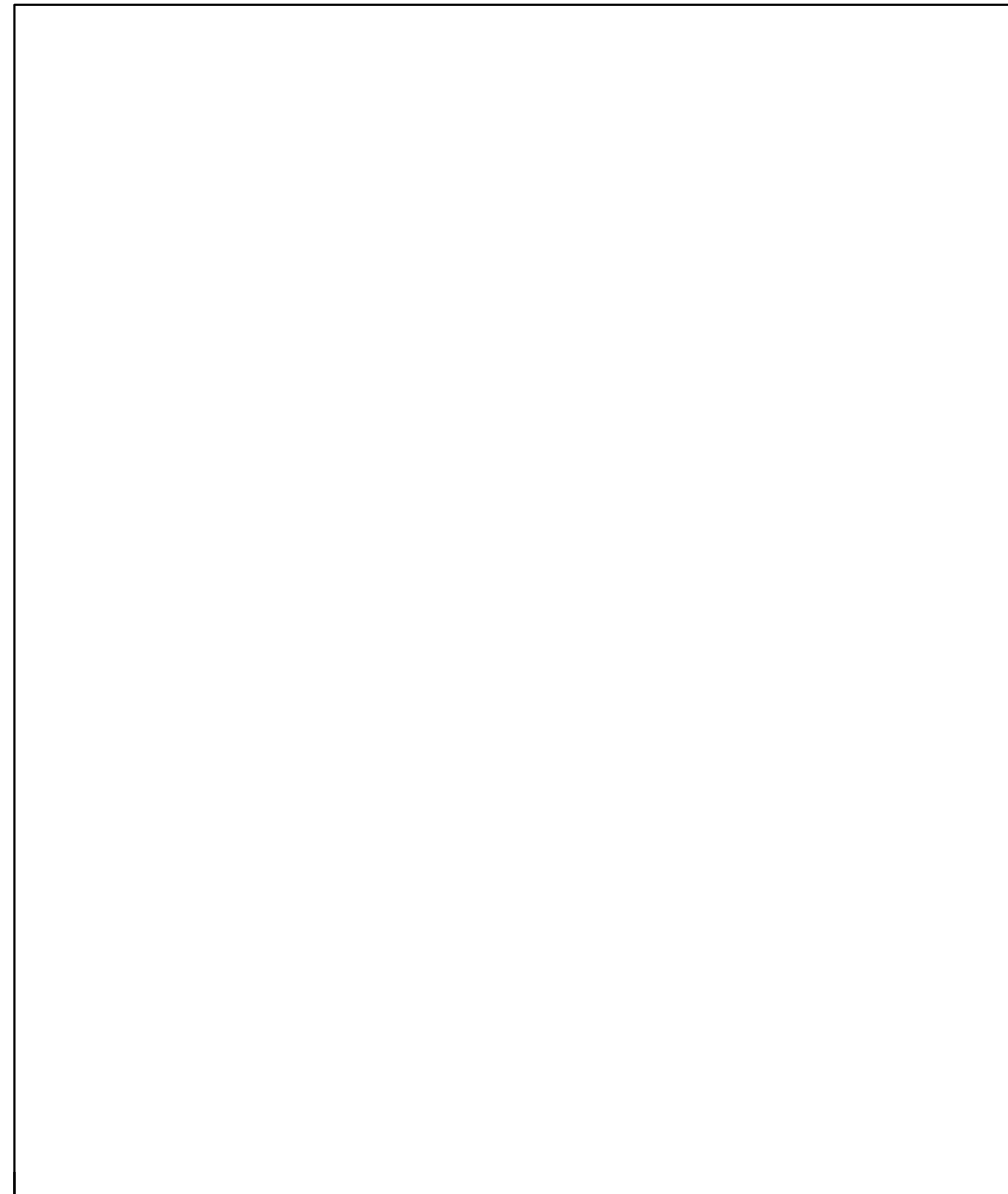
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A2.1(A)

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PROJECT SPECIFIC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 04-122805 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/28/2023

R&S TAVARES ASSOCIATES
 DESIGN & CONSULTING & PROJECT MGT
 11500 W BERNHARD COURT, SUITE 100
 SAN DIEGO, CA 92127
 WWW.RSTAVARES.COM

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 05/24/23

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 1320 W. Oleander Ave, Perris CA 92571-7408
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ORIGINAL PC STATE AGENCY APPROVAL
 APPROVED
 DIV. OF THE STATE ARCHITECT
 APP. 04-121368 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/22/2023

Revision Schedule

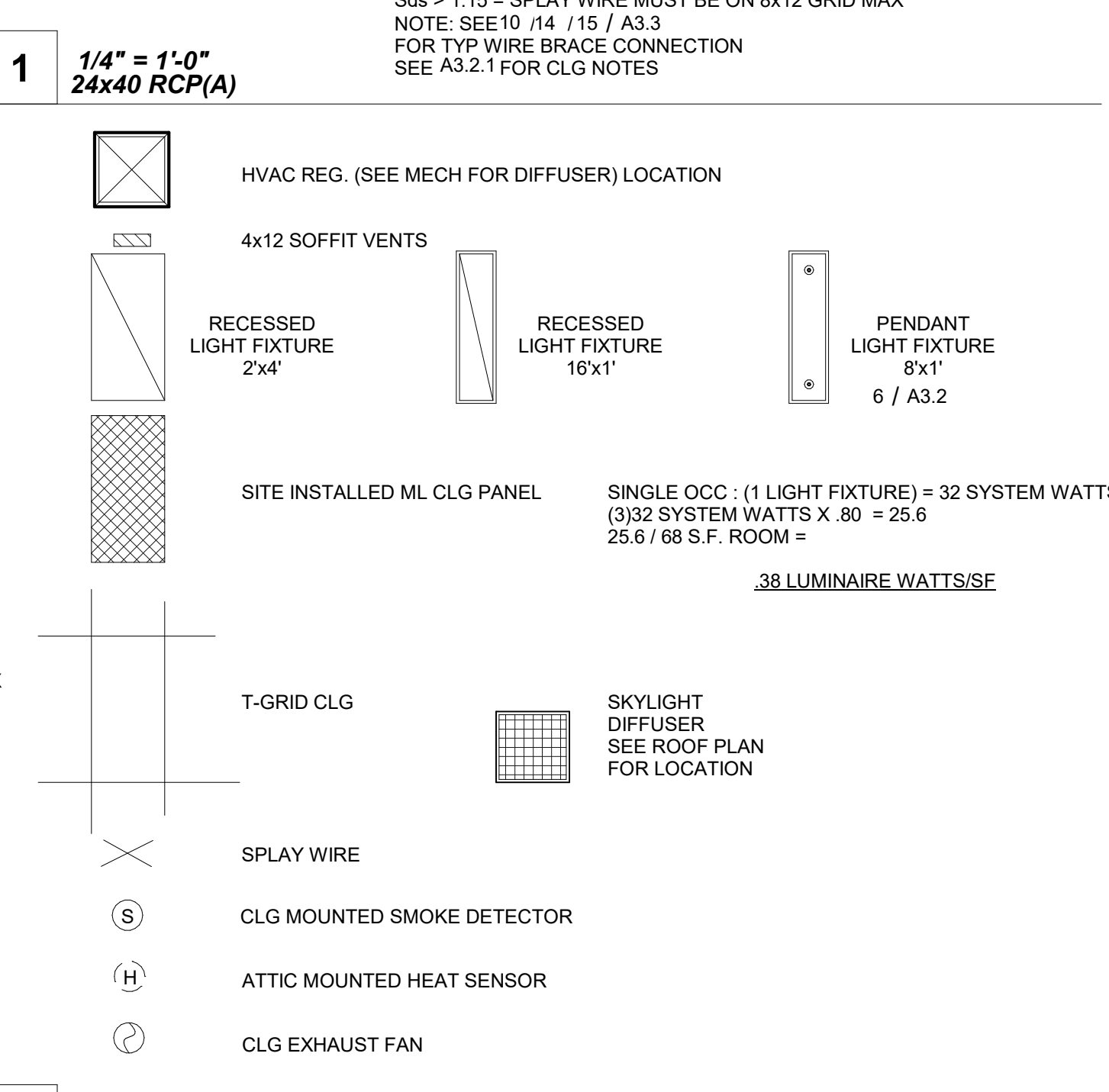
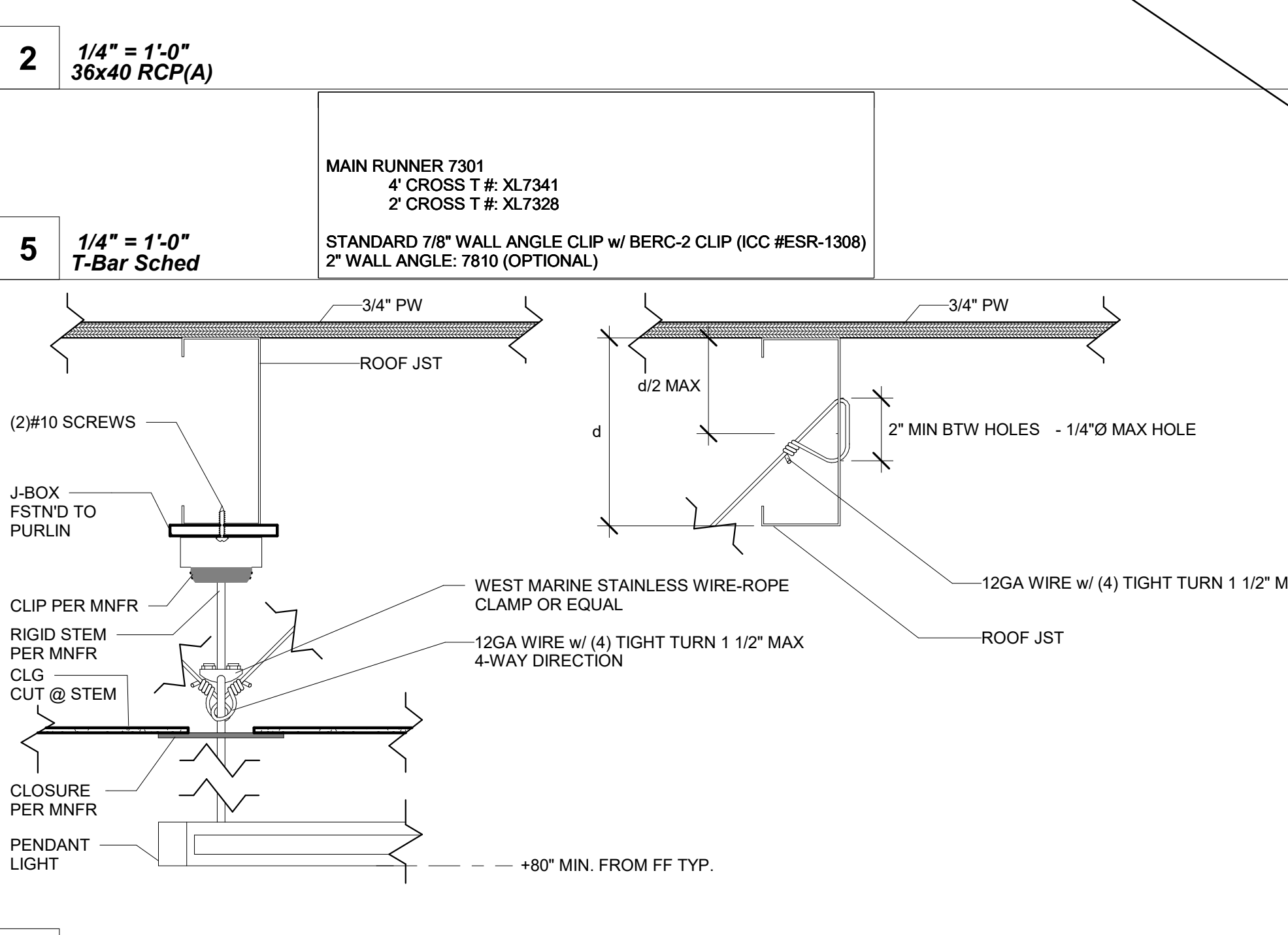
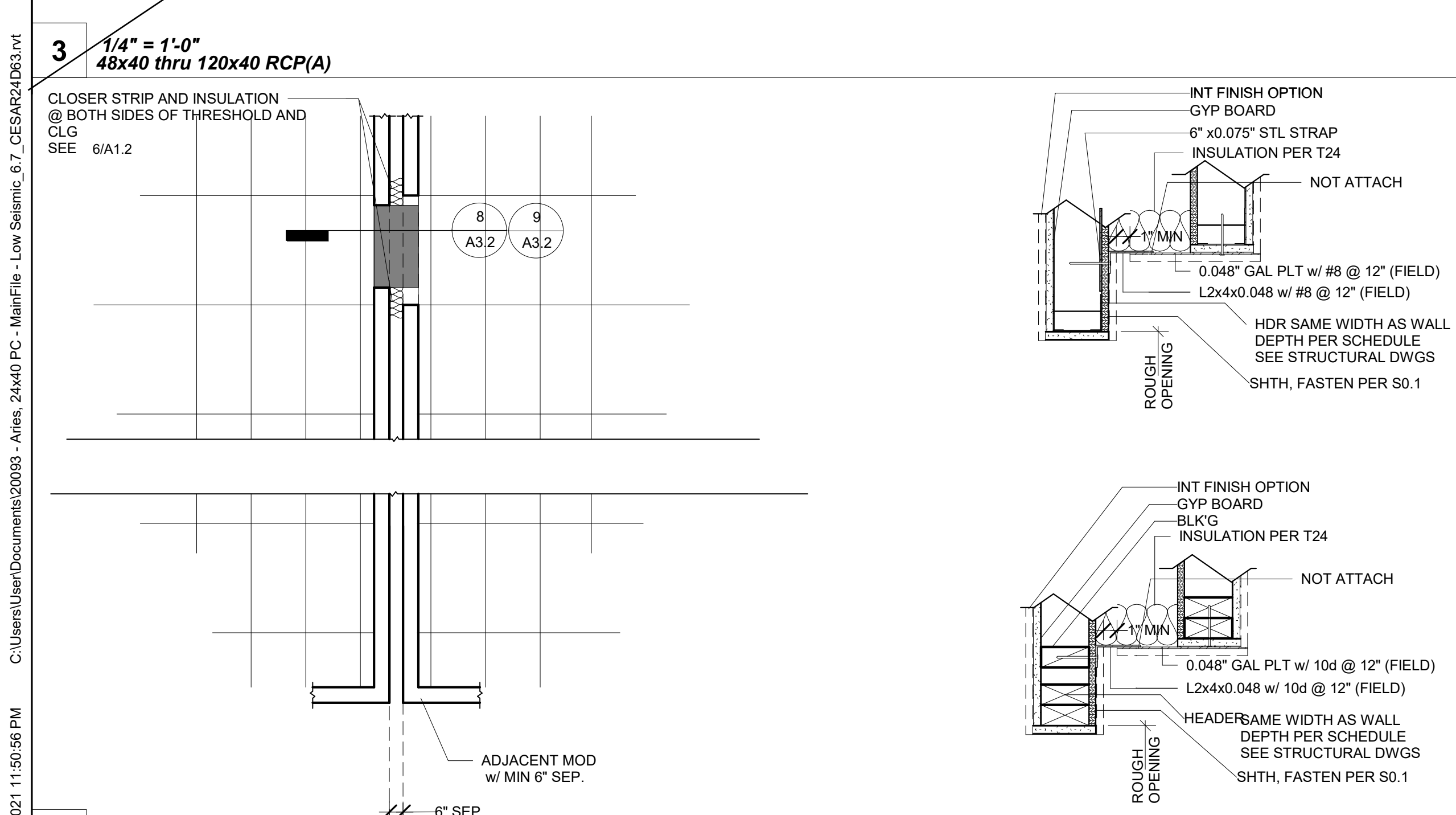
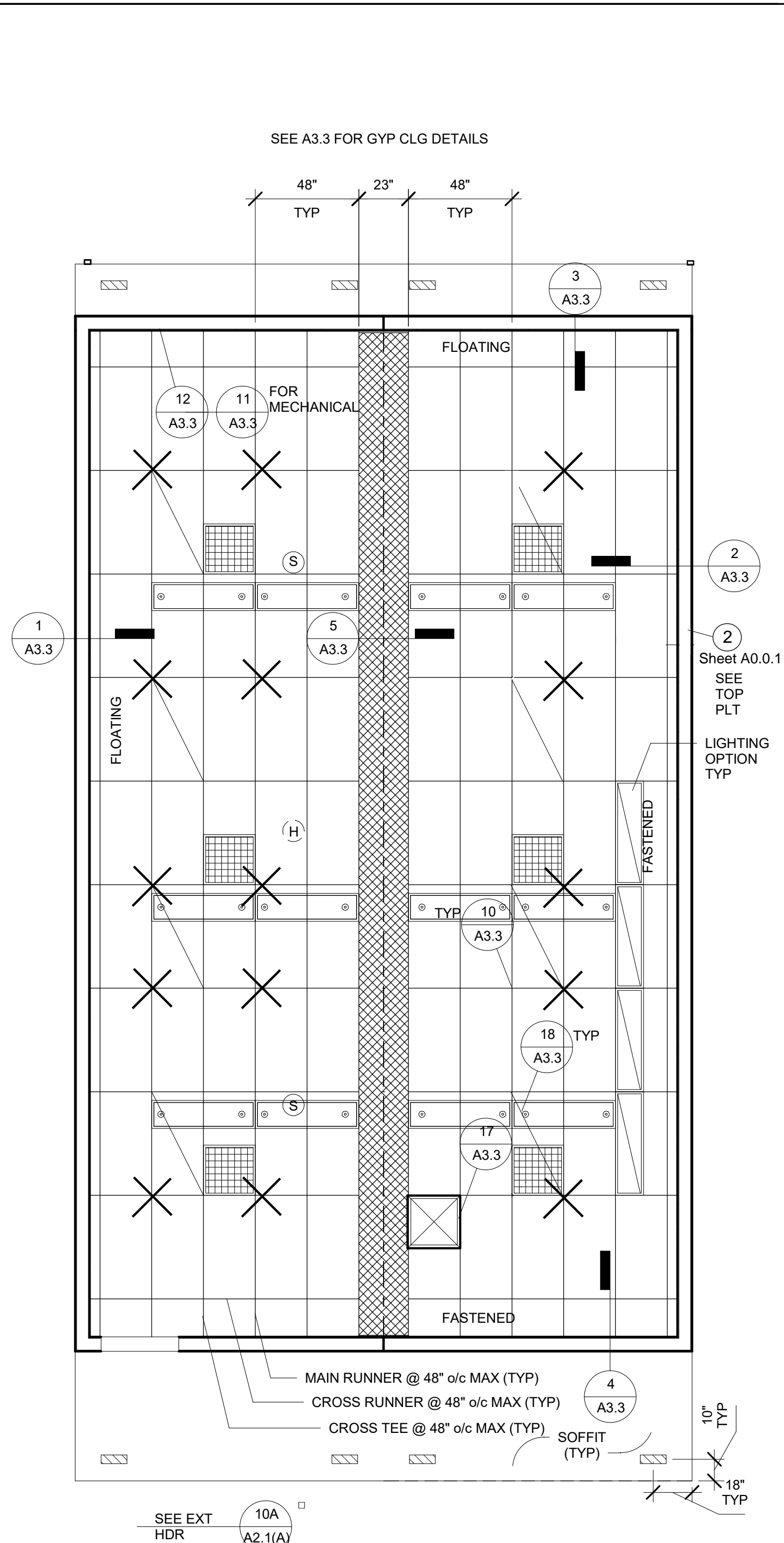
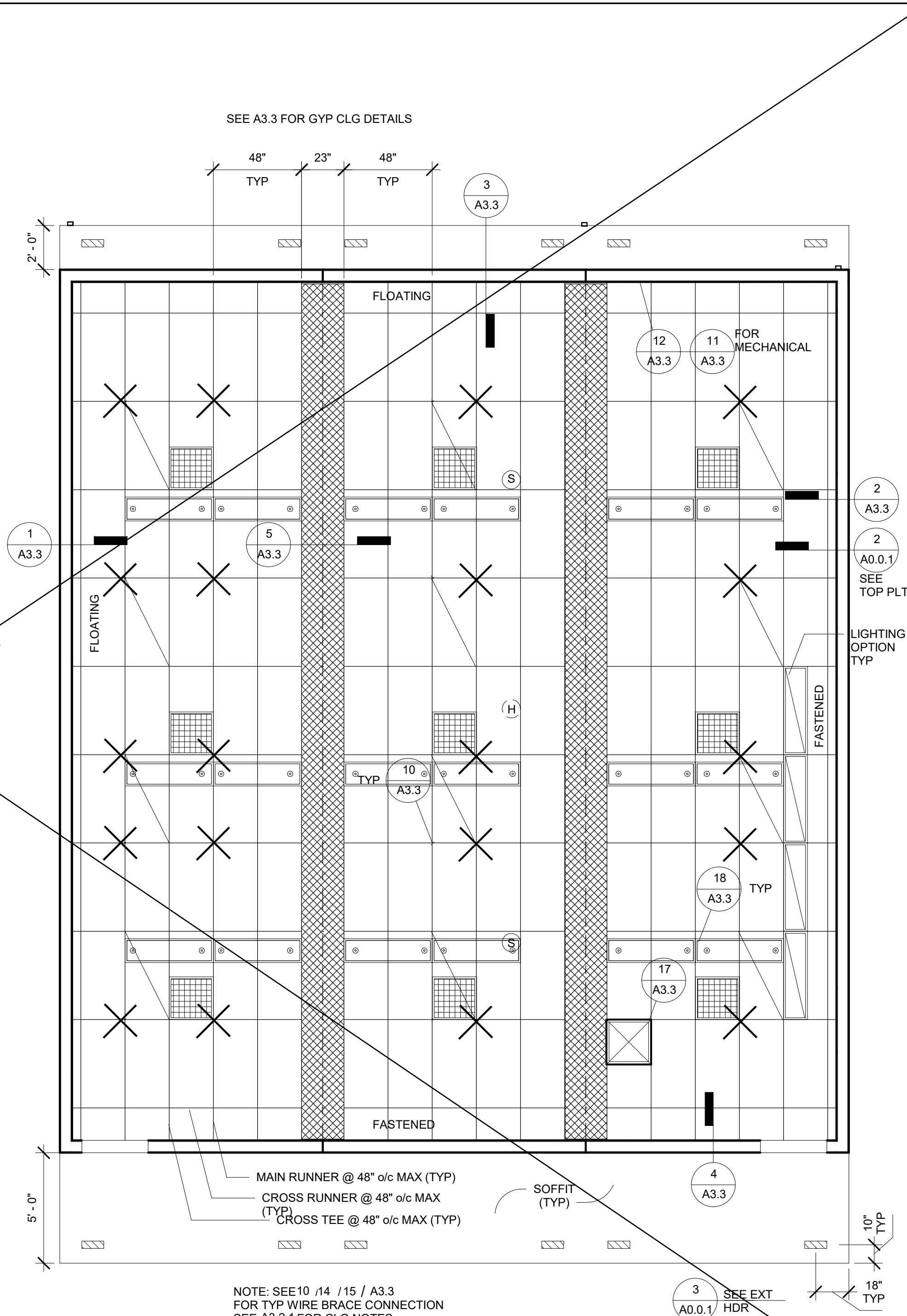
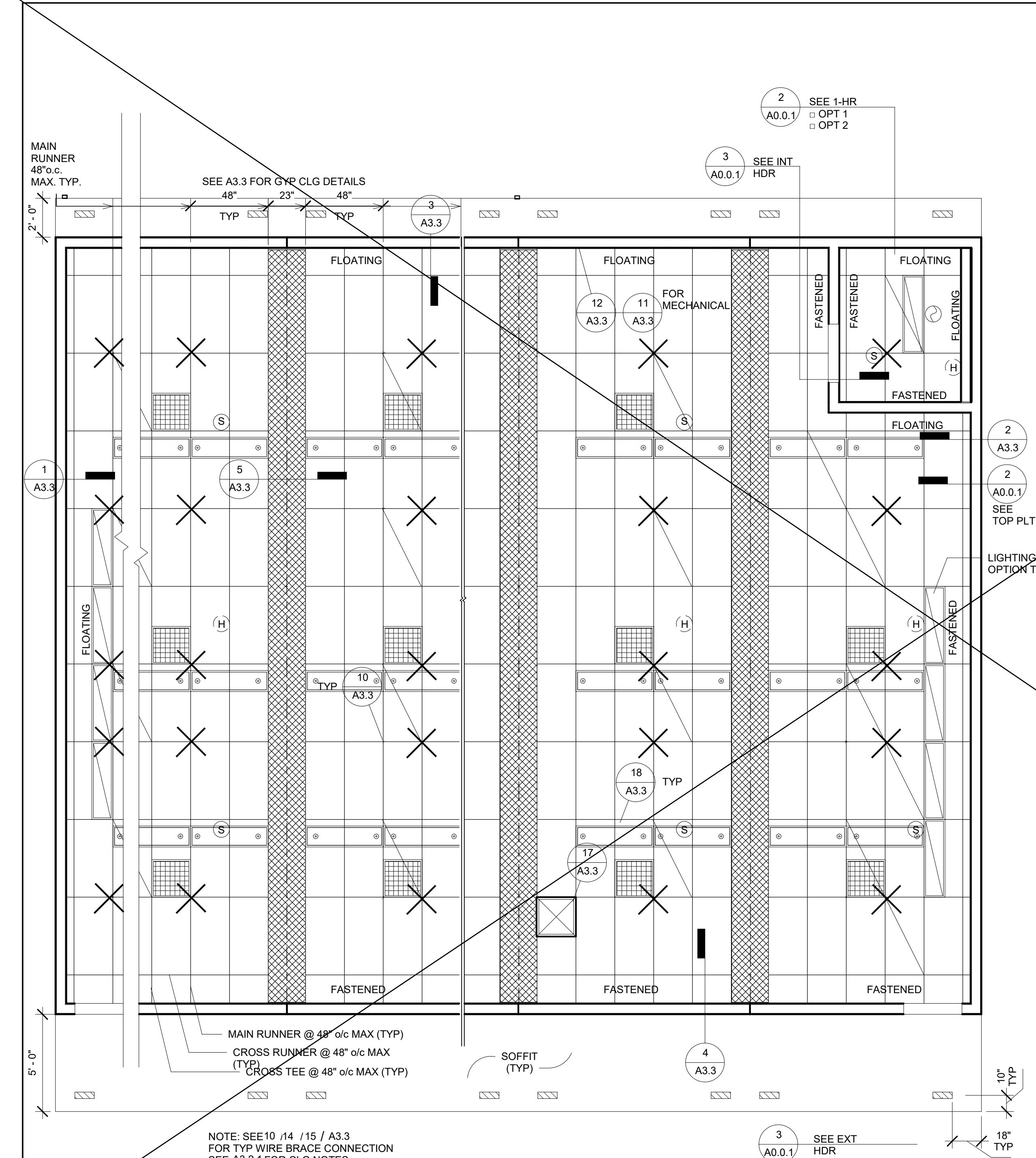
#	Description	Date

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
ARCHITECTURAL DETAILS (FLOOR)

PROJECT NUMBER
 22088
 DRAWN BY
 rMc/SC
 CHECKED BY
 RH/RT
 DATE
 SHEET NO.
A2.9
 SHEET OF



7 1/4" = 1'-0"
RCP - Optional Opening

6 3" = 1'-0"
Section - Pendant Mounting Detail

4 1/4" = 1'-0"
RCP Legend

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-122805 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/28/2023

R&S TAVARES ASSOCIATES
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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
MANNY D. FLORES
03/31/24
PC 21744
STATE OF CALIFORNIA
05/24/23
RST#22088

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DIV. OF THE STATE ARCHITECT
APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
RCP

PROJECT NUMBER
22088

DRAWN BY
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A3.2

SHEET OF

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1. CEILING SYSTEM GENERAL NOTES

- 1.01 Ceiling system components shall comply with ASTM C635 and Section 5.1 of ASTM E580.
- 1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635.
- 1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:
 Manufacturer: **ARMSTONG (OR EQUAL)**
 Product Name: **PRELUDE XL AND PRELUDE XL HIGH RECYCLED CONTENT (HRC)**
 Evaluation Report Type and Number: **ICC ESR#1308**
 Main Runner Part, Model, or Catalog Number: **7301**
 Cross Runner Part, Model, Catalog Number: **4" CROSS T # XL7341 / 2" CROSS T # XL7328**
- 1.04 Seismic Wall Clip: **STANDARD 7/8" WALL ANGLE CLIP-w/ BERG2 CLIP**
 Manufacturer's Model: **7810**
- 1.05 Ceiling panels shall not support any luminaires, air terminals or devices.
- 1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 3/4" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide 3/4" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip. Clearance between ceiling grid runners/members and walls shall comply with the details on these drawings regardless of ceiling tile material.

2. MATERIALS

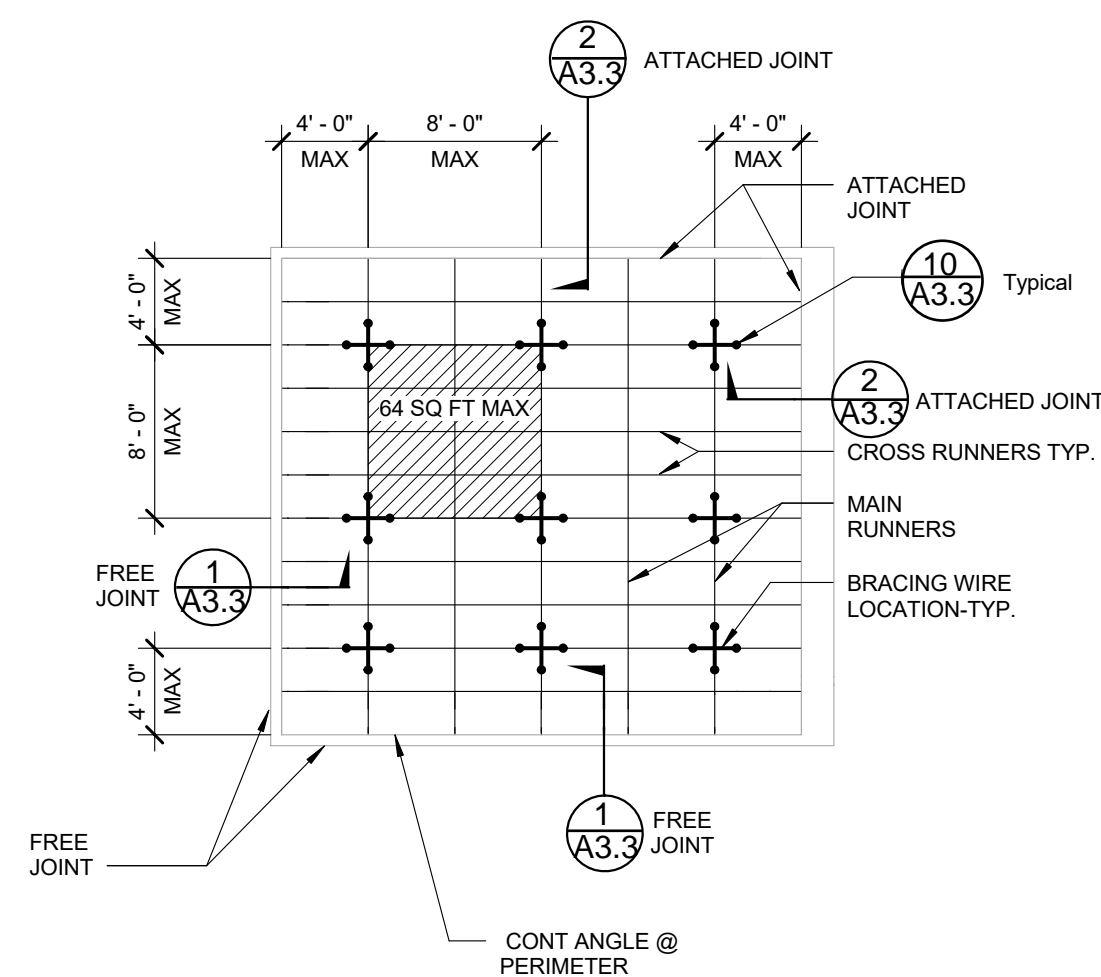
- 2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641. Wire shall be #12 gauge (0.106" diameter) with soft temper and minimum ultimate tensile strength = 70 ksi.
- 2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653, or other equivalent sheet steel listed in Section A3.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members, (AISI S100). Material 43 mil (18 gauge) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gauge) and heavier shall have a minimum yield strength of 50 ksi.
- 2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (F_y) of 30 ksi and minimum ultimate strength (F_u) of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES

- 3.01 Separate all ceiling hanger and bracing wires at least 6 inches from all unbraced ducts, pipes, conduit, etc.
- 3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to piping, ductwork, conduit and equipment.

Detail Title:	REV: 09/21/2015	Detail No.
CEILING NOTES	REV: 03/2022	1.00

NOTE:
 BERG2 2" BEAM-END RETAINING CLIP- Allows you to create a code-compliant Seismic D, E, F ceiling installation while eliminating the need to use 2" wall molding or spreader bars.



NOTE:
 BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 64 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

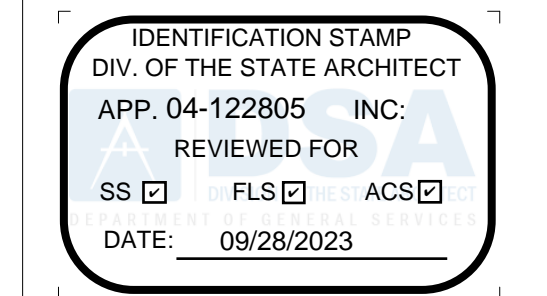
- 3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.
 - 3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.
 - 3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire (e.g., bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.).
- 4. FASTENERS AND WELDING**
- 4.01 Sheet metal screws shall comply with ASTM C1513 and ASME B18.6.3. Penetration of screws through joined material shall not be less than three exposed threads.
 - 4.02 Expansion anchors shall be: **NA**
 - 4.03 Power-Actuated Fasteners shall be: **NA**
 - 4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member
 - 4.05 Power-actuated fasteners in concrete or masonry are not permitted for bracing wires.
 - 4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post-installed anchors.
 - 4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.
- 5. TESTING**
- 5.01 All field testing must be performed in the presence of the project inspector.
 - 5.02 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power-actuated fasteners in concrete shall be field tested for 200 pounds in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1910A.5.
 - 5.03 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1910A.5.
- 6. LUMINAIRES**
- 6.01 All luminaires shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the luminaire. A minimum of two screws or approved fasteners are required at each luminaire, per ASTM E580 Section 5.3.1.
 - 6.02 Surface-mounted luminaires shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting

Detail Title:	REV: 09/21/2015	Detail No.
CEILING NOTES	REV: 03/2022	1.00

- ceiling runner and be made of steel with a minimum thickness of #14 gauge. Rotational spring catches do not comply. A #12 gauge slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when a luminaire is 8 feet or longer or exceeds 56 pounds. Maximum spacing between supports shall not exceed 8 feet.
 - 6.03 Luminaires weighing less than or equal to 10 pounds may be supported directly on the ceiling runners, shall have a minimum of one #12 gauge slack safety wire connected from the fixture housing to the structure above.
 - 6.04 Luminaires weighing greater than 10 pounds but less than or equal to 56 pounds may be supported directly on the ceiling runners, but they shall have a minimum of two #12 gauge slack safety wires connected from the fixture housing at diagonal corners to the structure above.
Exception: All luminaires greater than two by four feet weighing less than 56 pounds shall have a #12 gauge slack safety wire at each corner.
 - 6.05 All luminaires weighing greater than 56 pounds shall be independently supported by not less than four taut #12 gauge hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four taut #12 gauge wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four times the weight of the fixture.
- 7. SERVICES WITHIN THE CEILING**
- 7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
 - 7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 pounds shall have one #12 gauge slack safety wire attached from the terminal or service to the structure above.
 - 7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 pounds but less than or equal to 56 pounds shall have two #12 gauge slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
 - 7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 pounds shall be supported directly from the structure above by not less than four taut #12 gauge hanger wires attached from the terminal or service to the structure above or other approved hangers.
- 8. OTHER DEVICES WITHIN THE CEILING**
- 8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 pounds shall have a #12 gauge slack safety wire anchored to the structure above. Devices weighing more than 20 pounds shall be supported independently from the structure above.

Detail Title:	REV: 09/21/2015	Detail No.
CEILING NOTES	REV: 03/2022	1.00

NOTE:
 1. ITEMS SHOWN WITH A MFR CALLOUT MAY BE SUBSTITUTED WITH AN OR EQUAL OR GREATER PRODUCT WITH DSA APPROVAL



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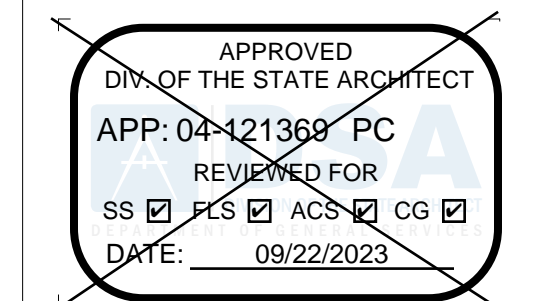


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Revision Schedule		
#	Description	Date

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
CEILING NOTES

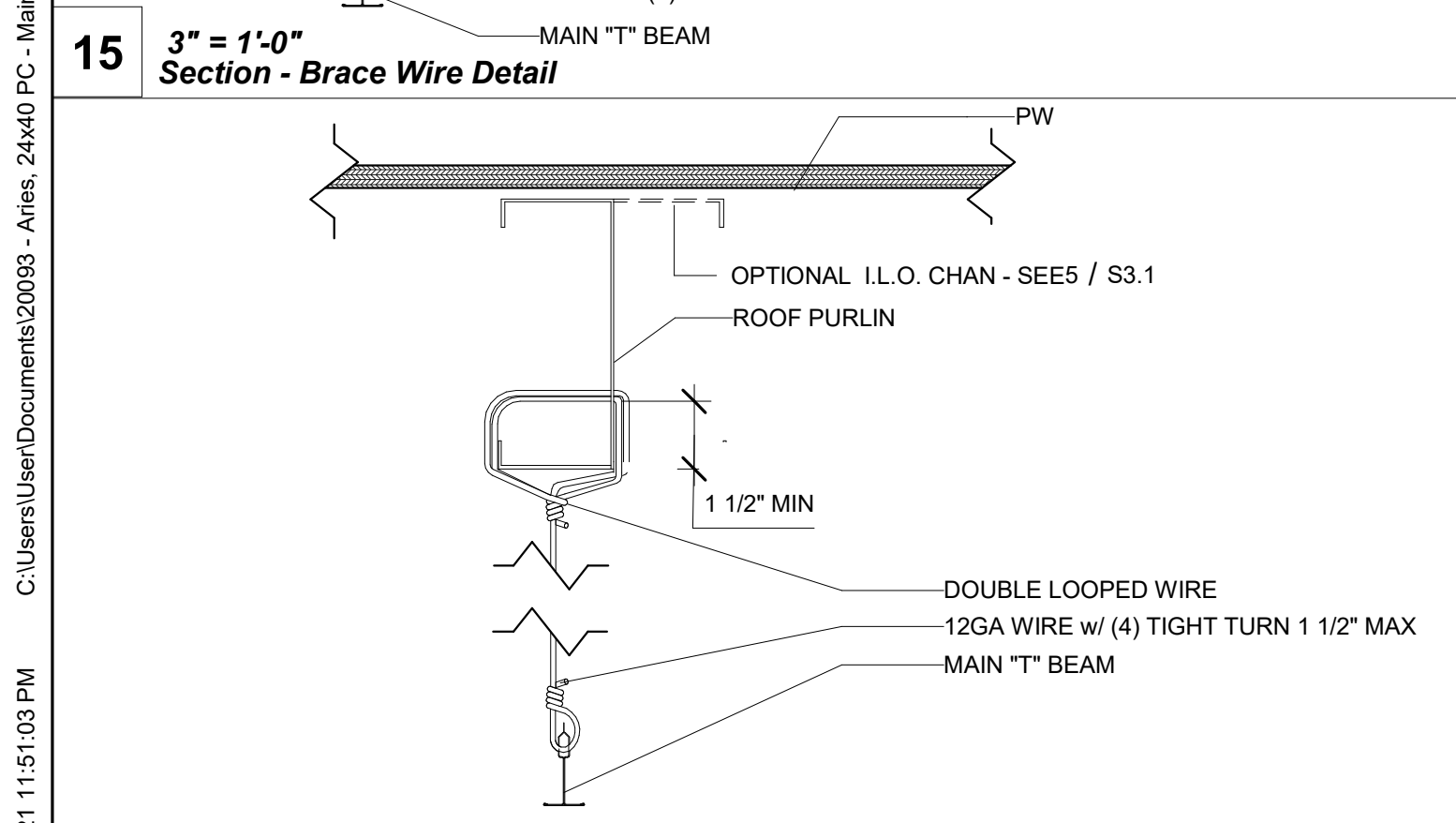
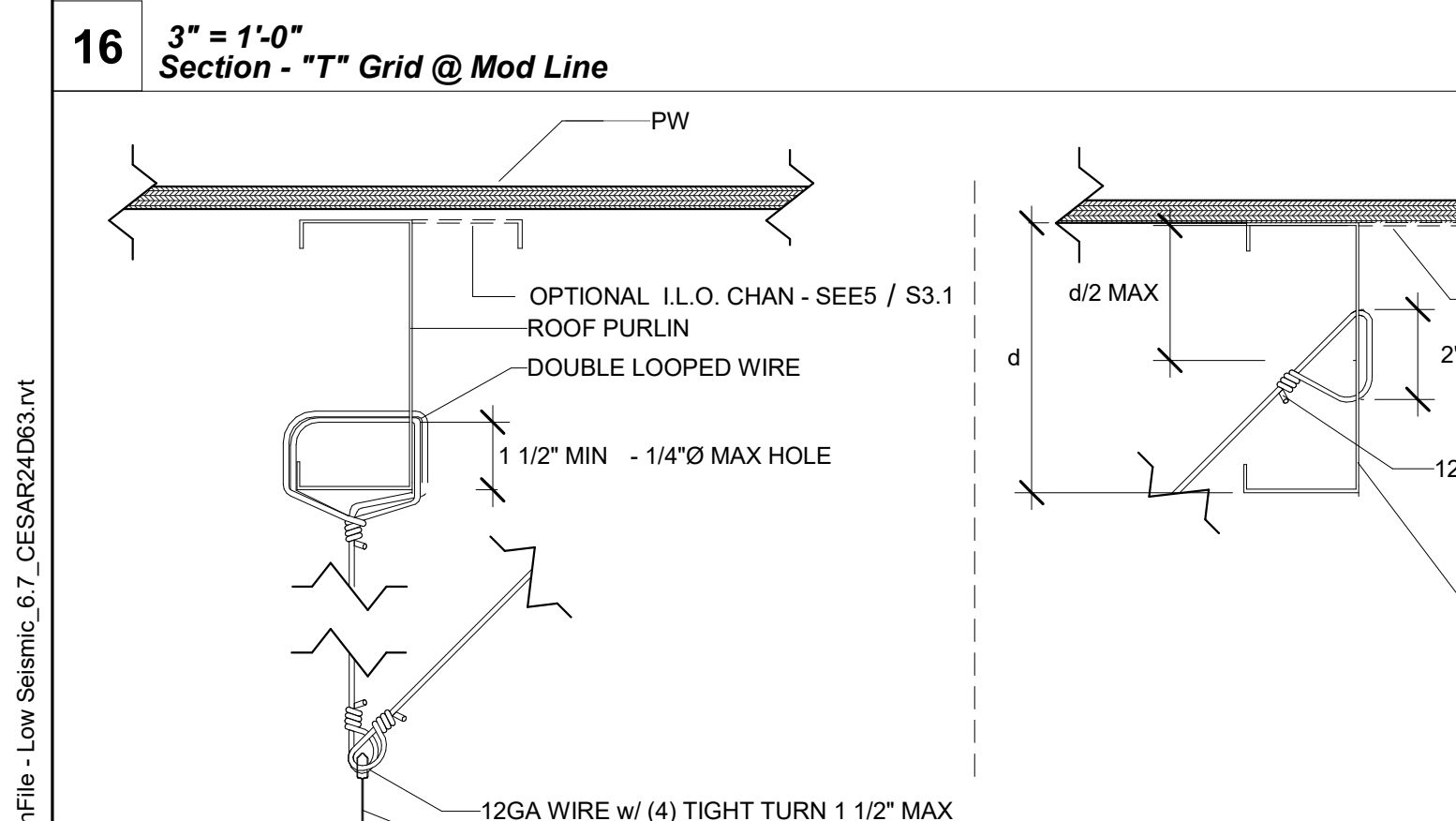
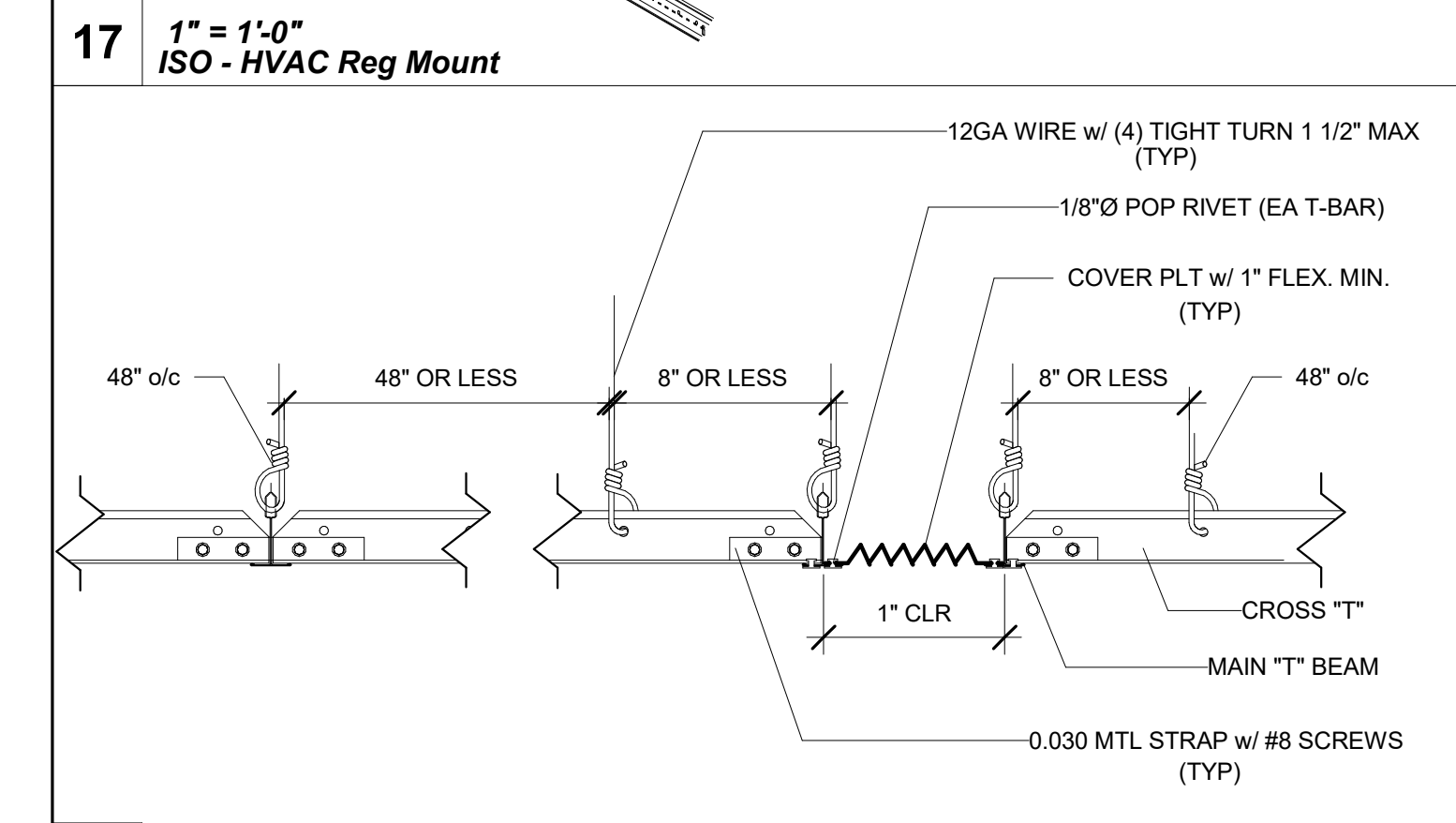
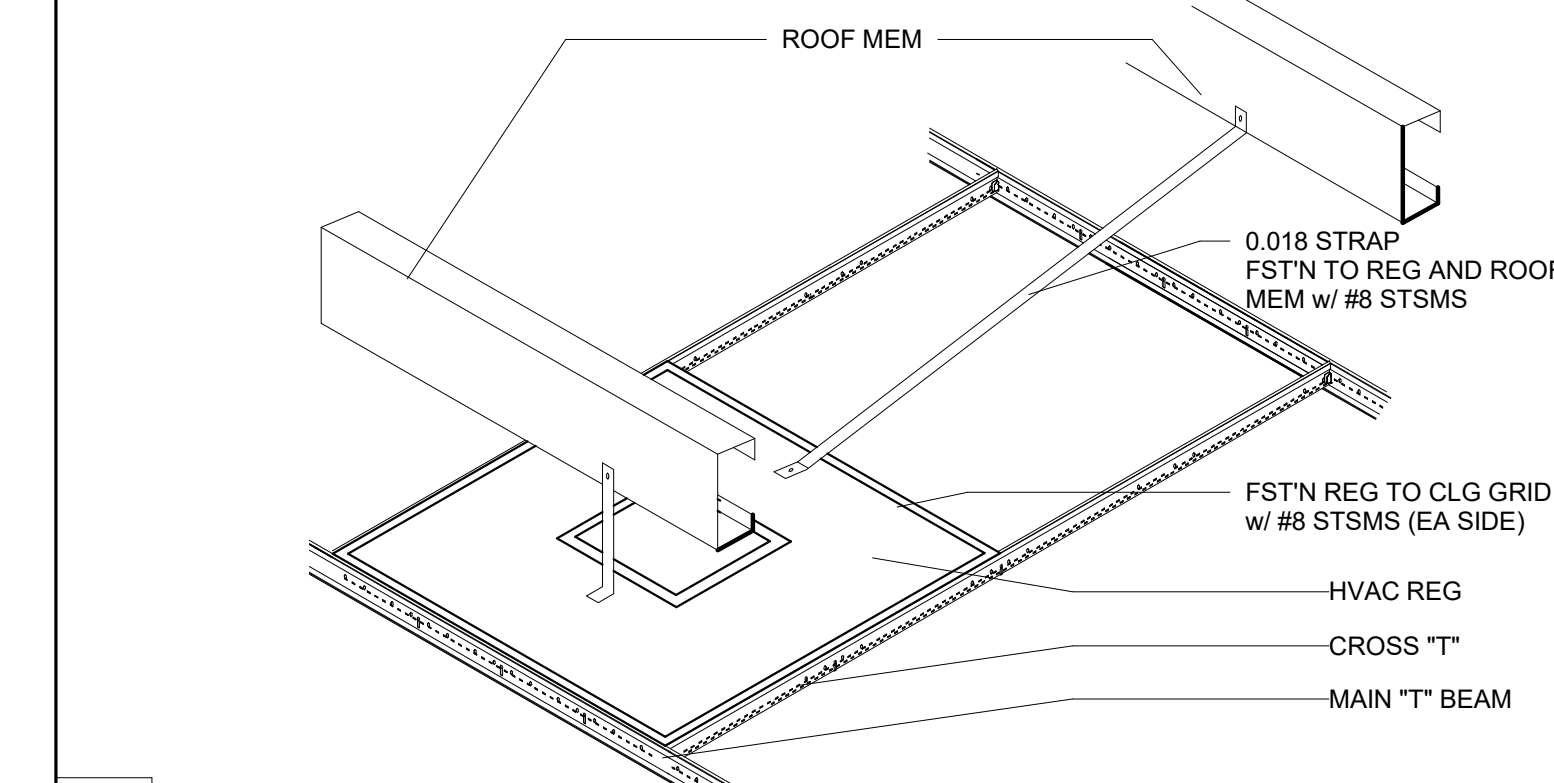
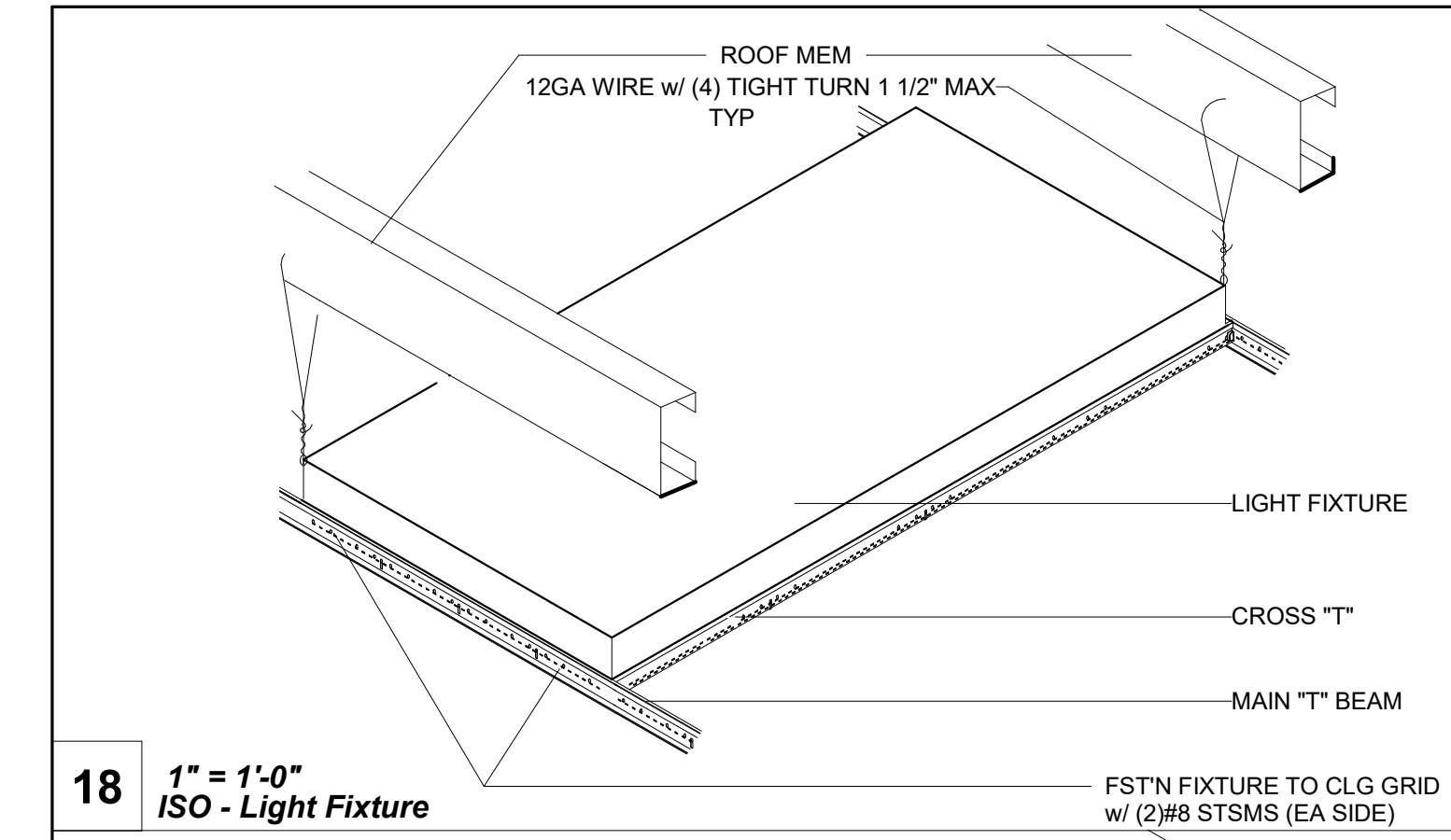
PROJECT NUMBER
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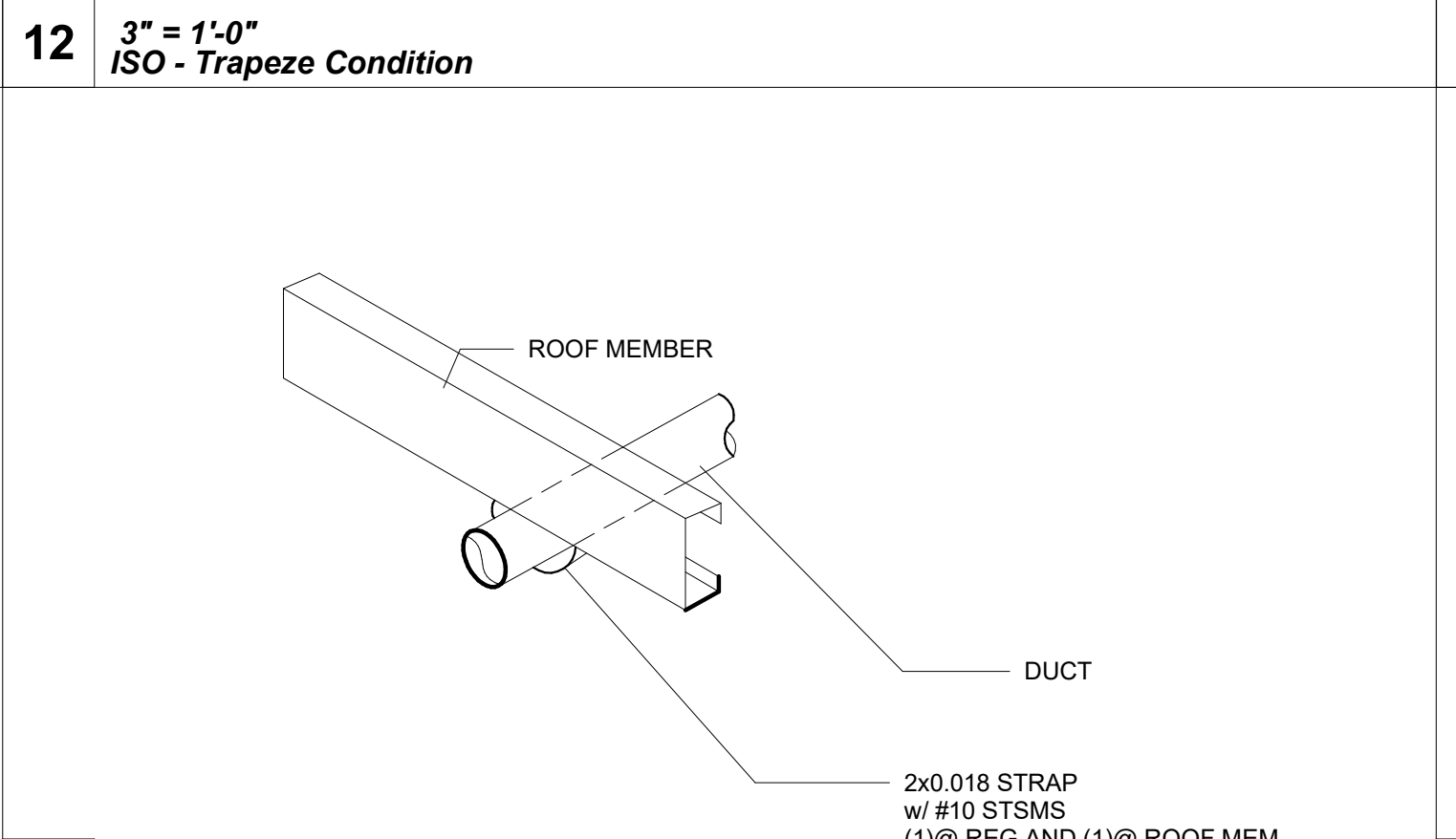
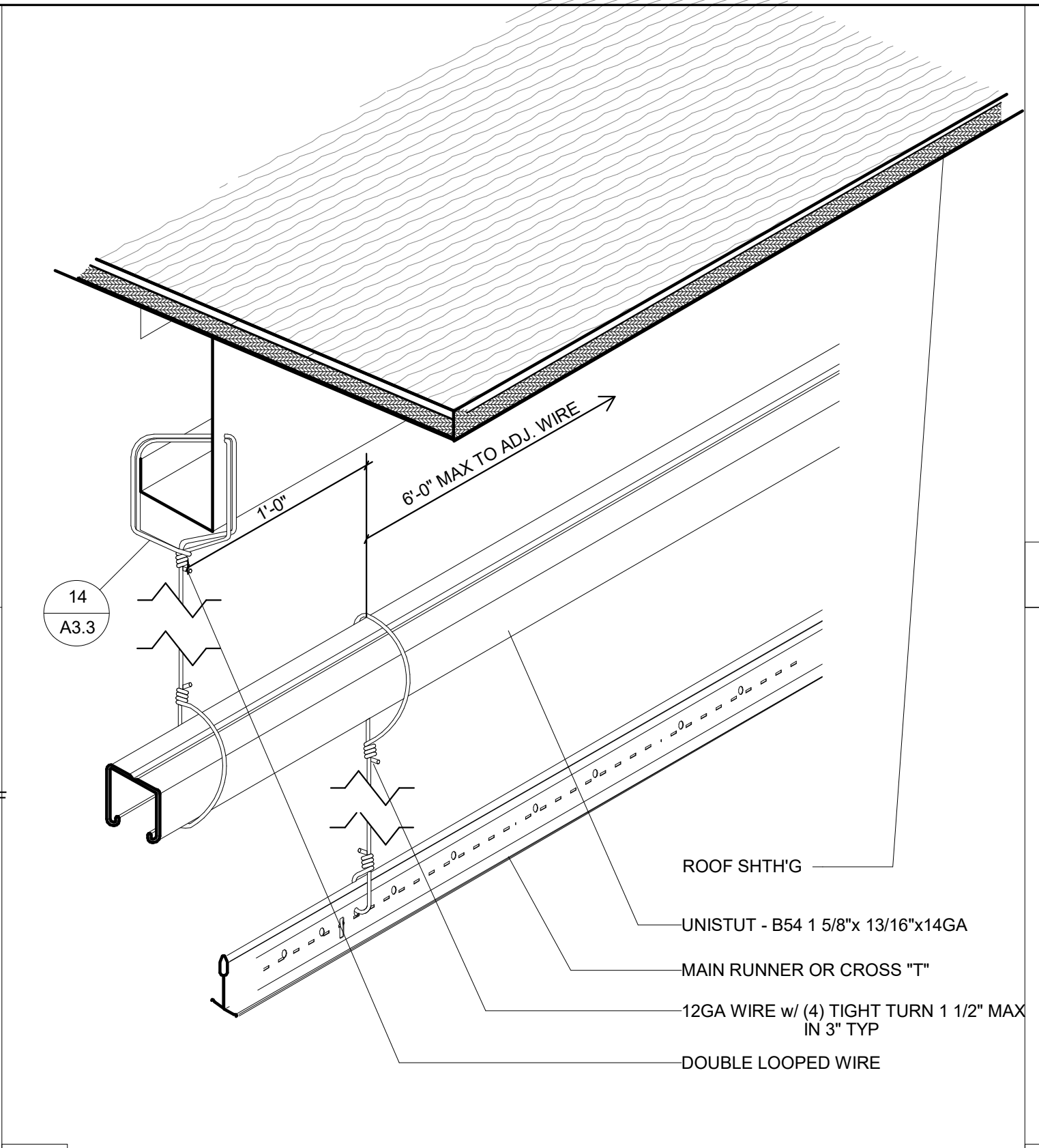
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DATE

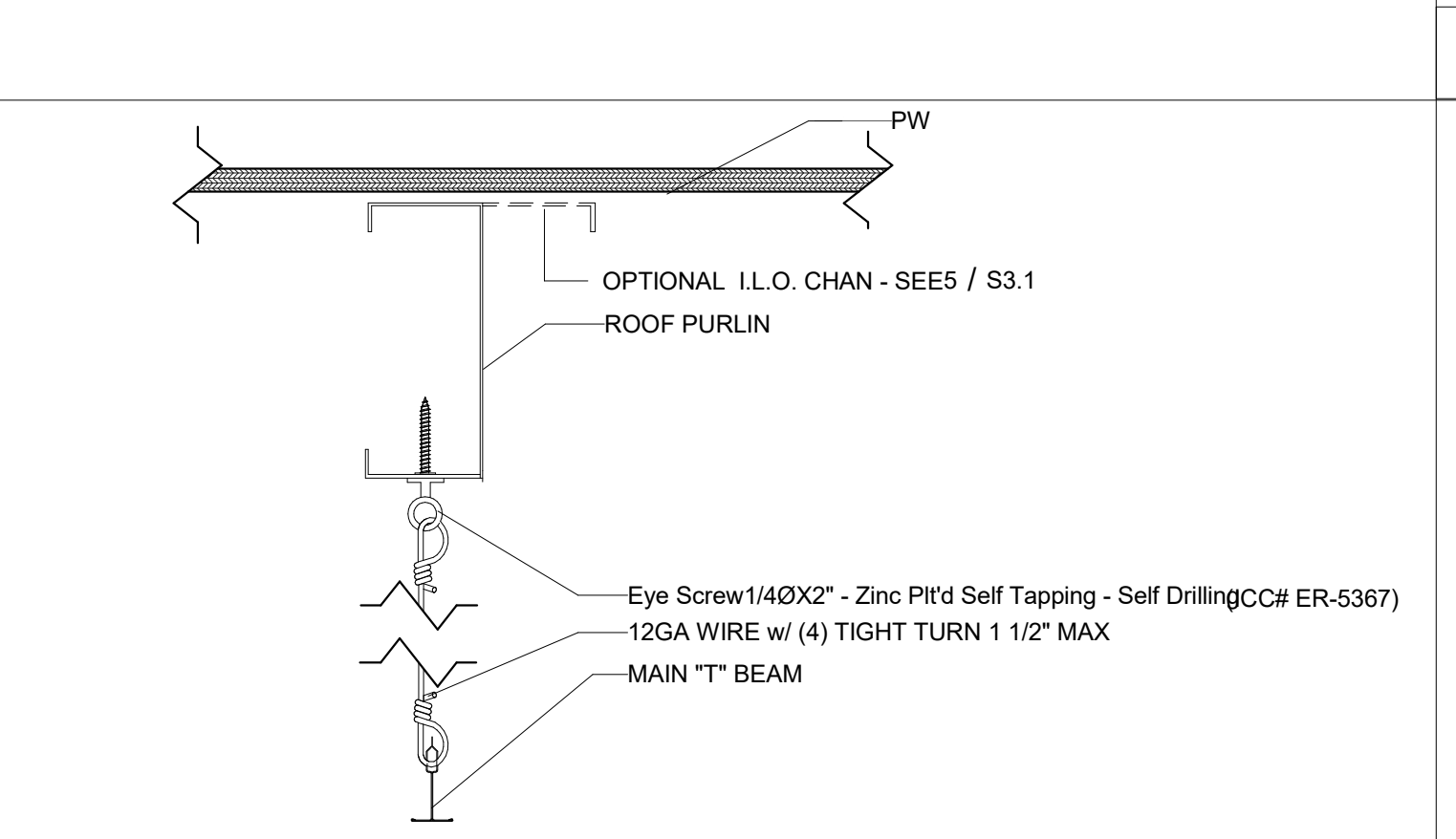
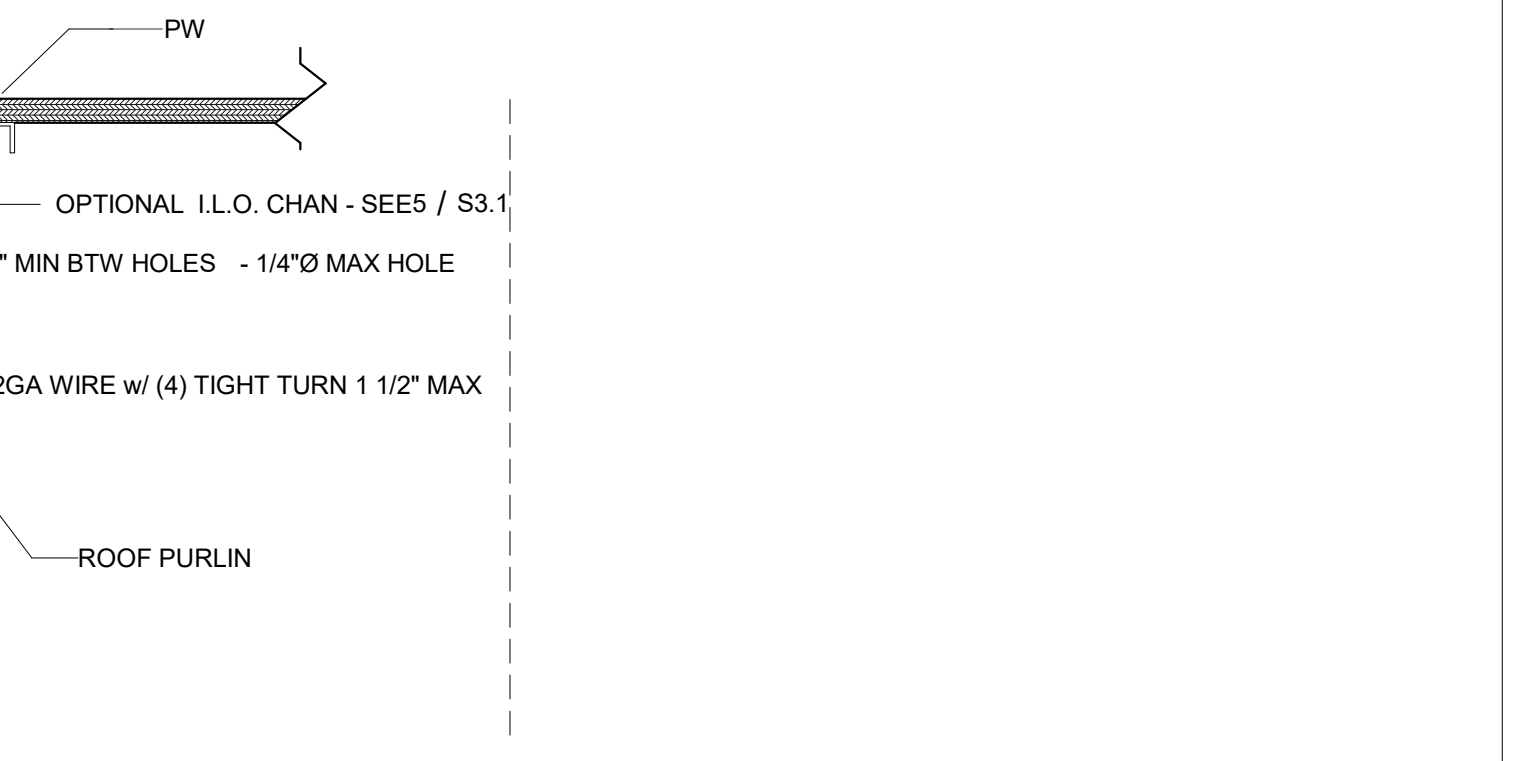
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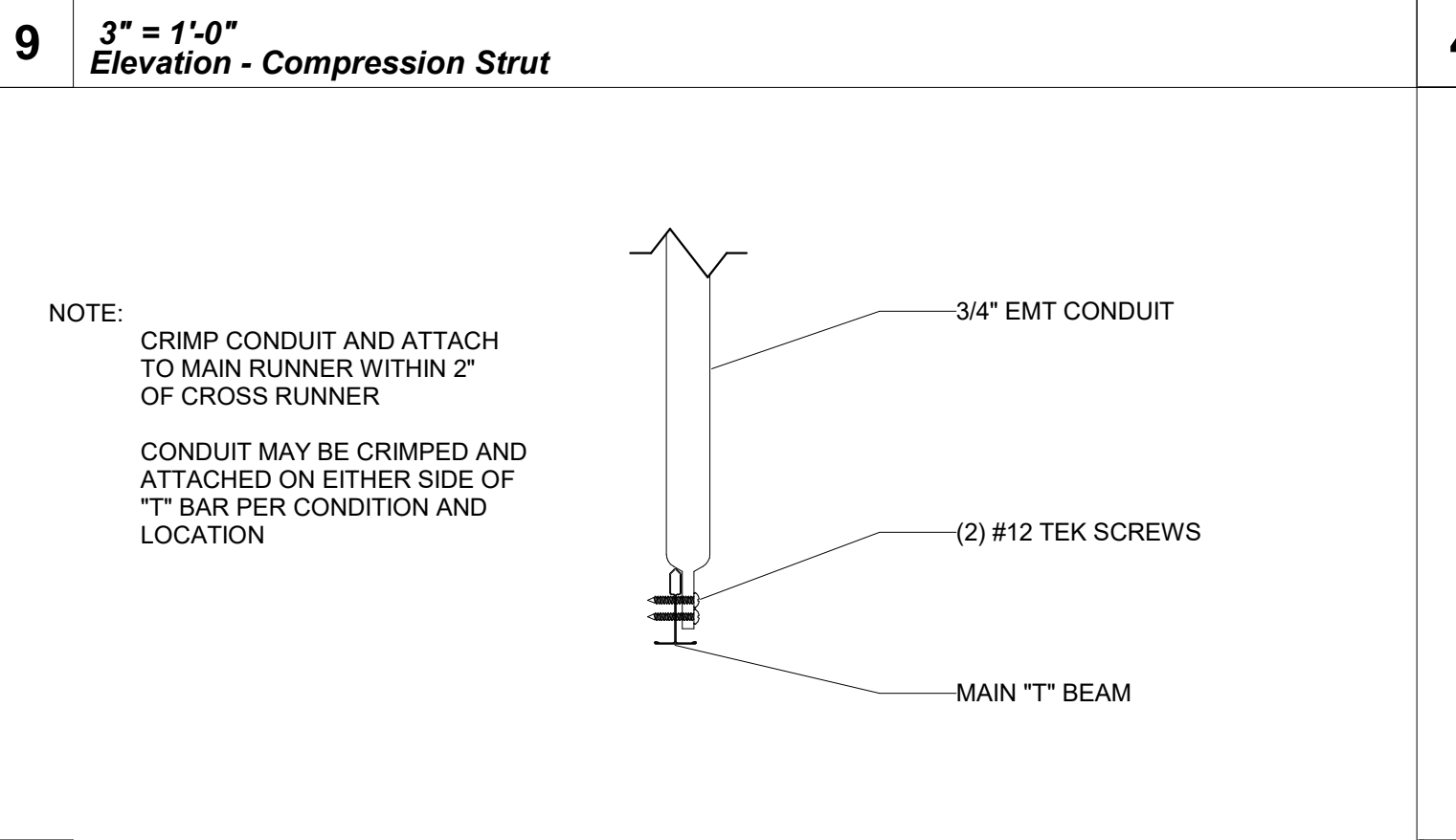
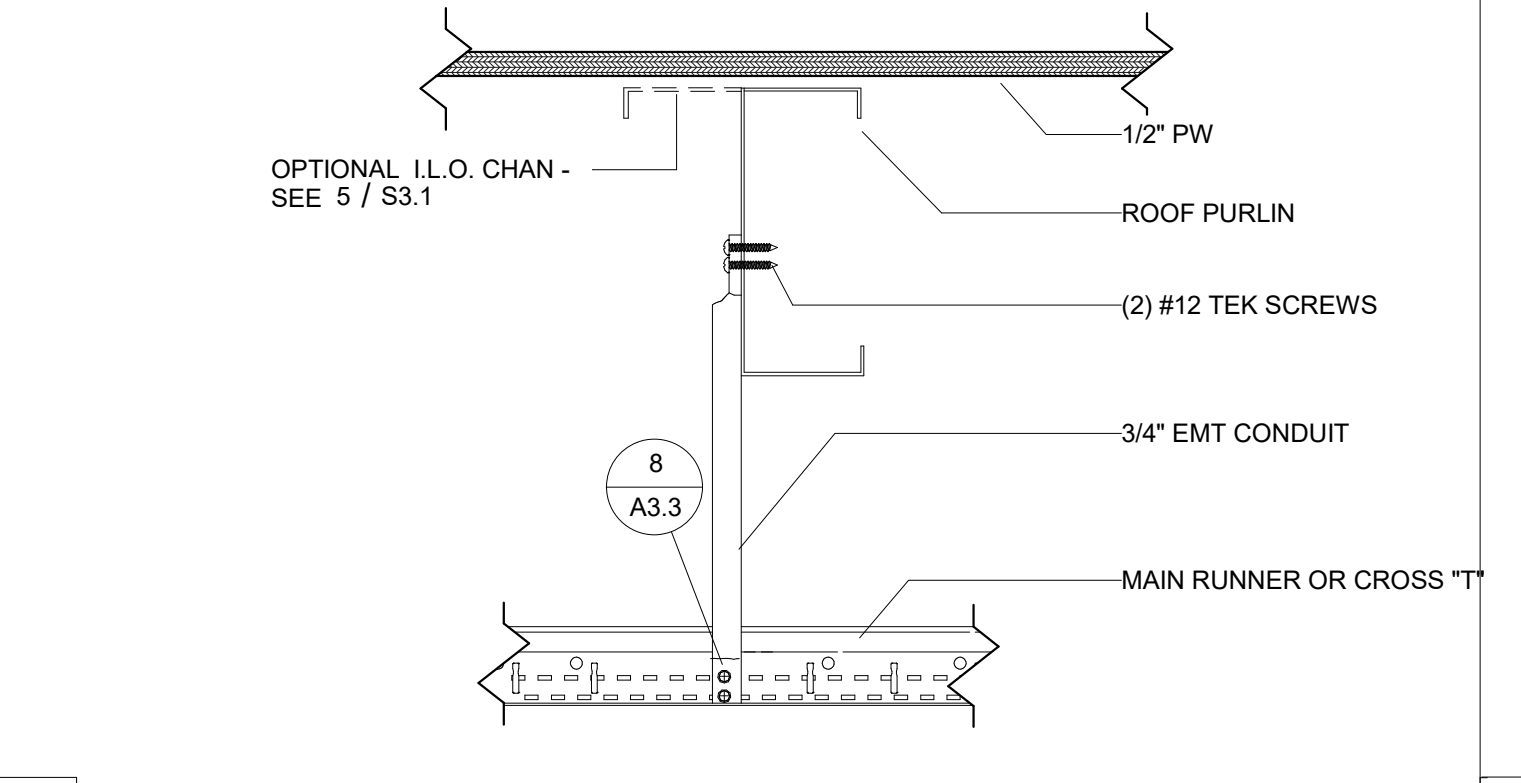
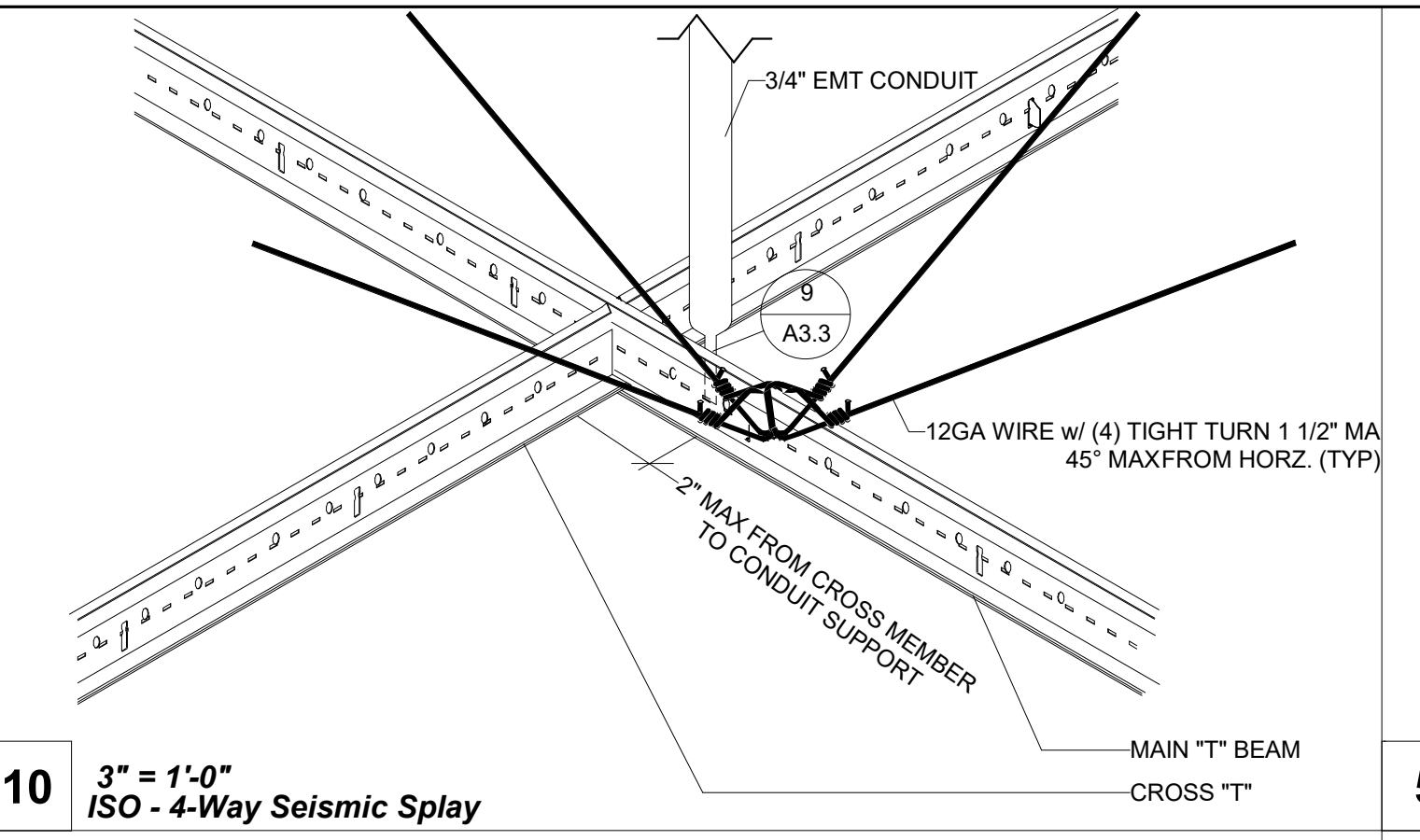
14 3" = 1'-0" Section - Hanger Wire Detail



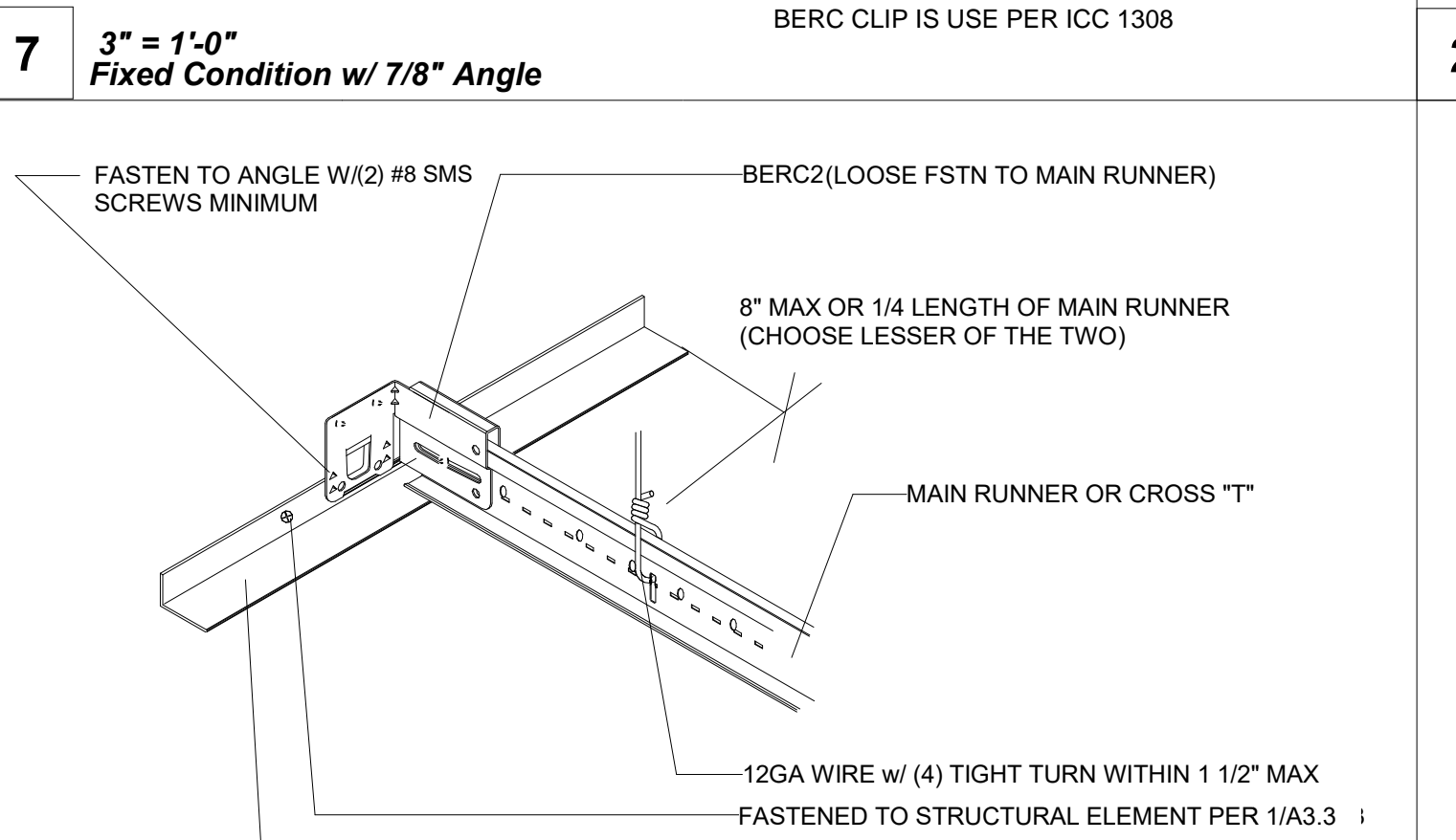
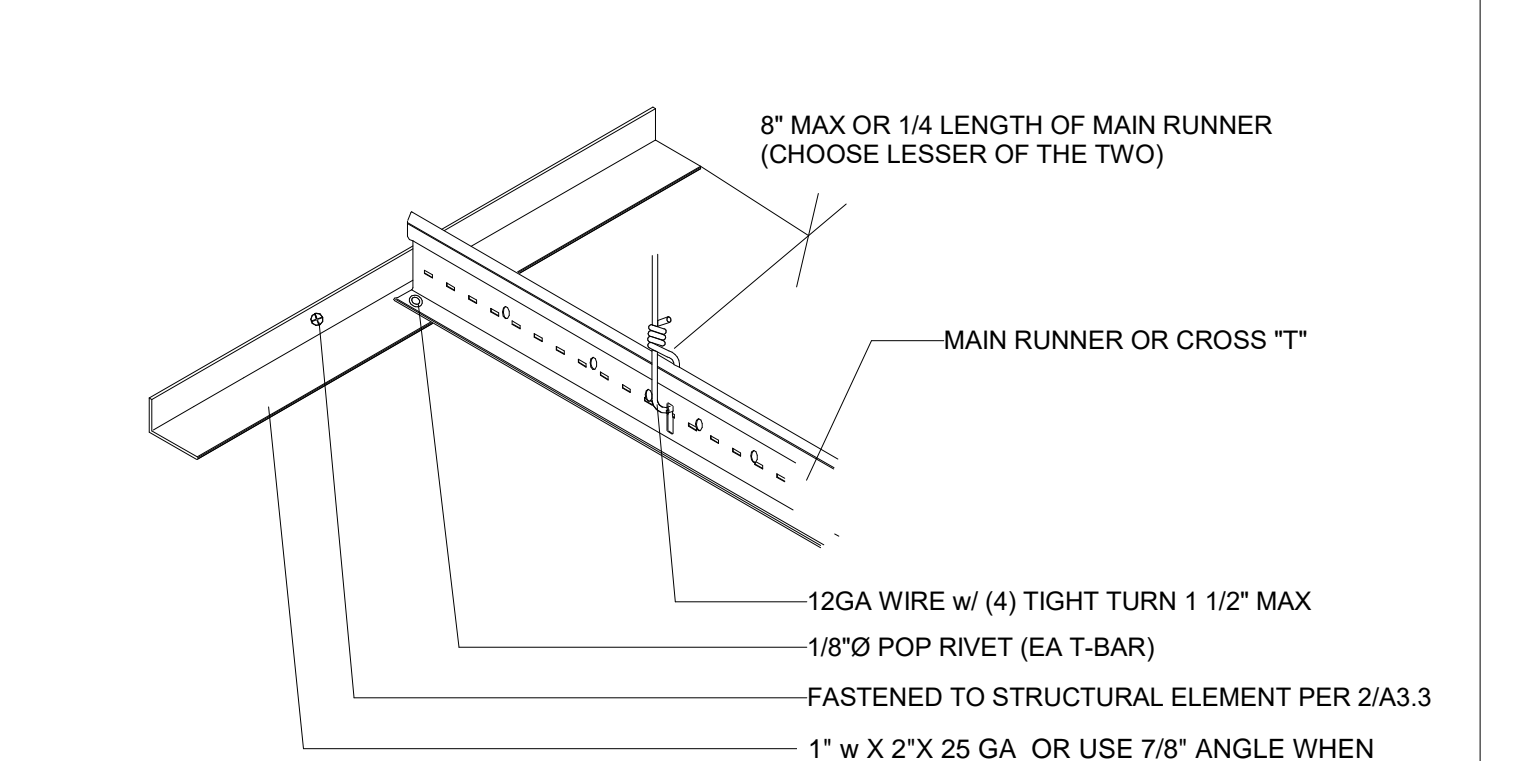
11 1" = 1'-0" ISO - Duct Connection



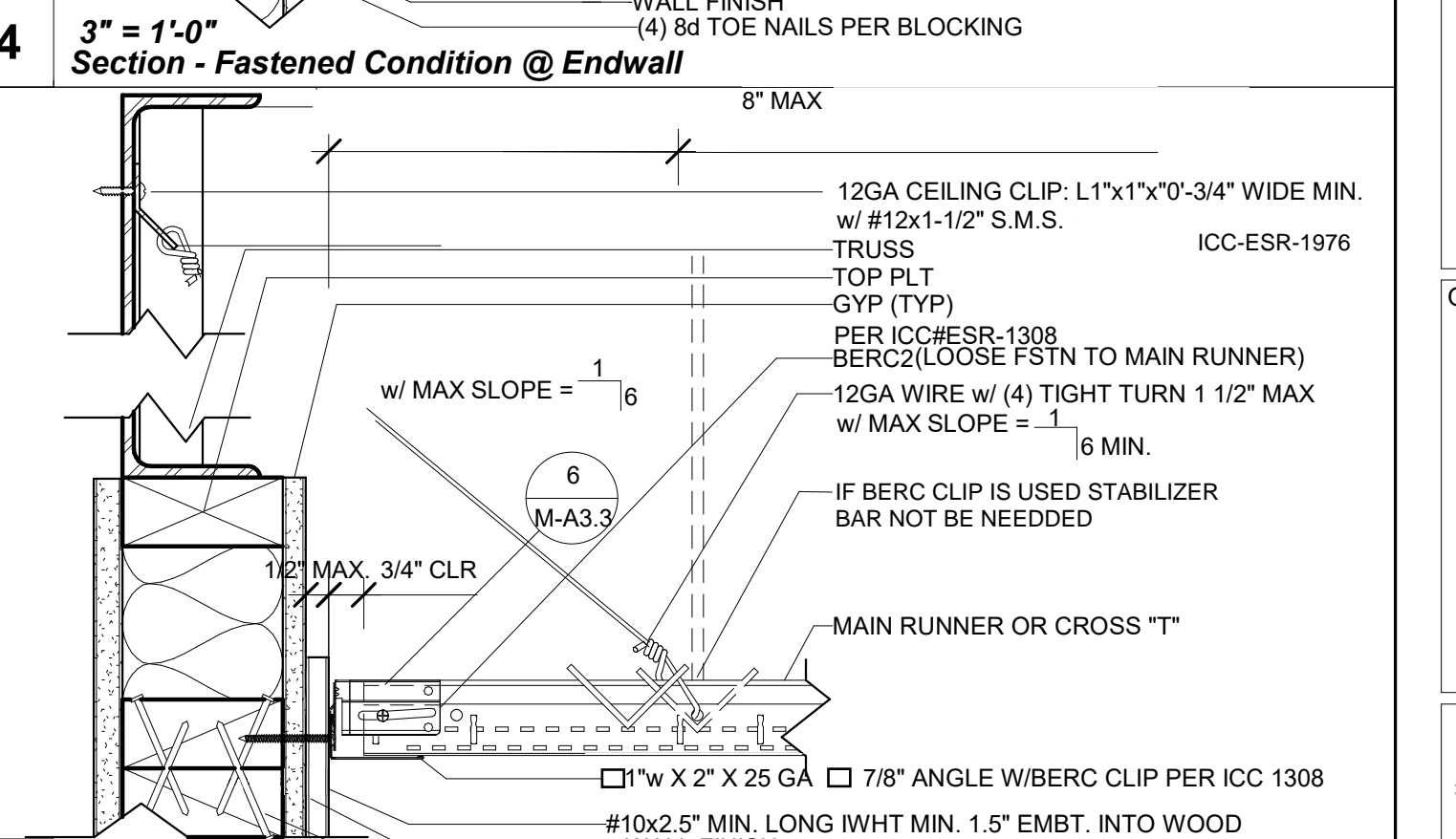
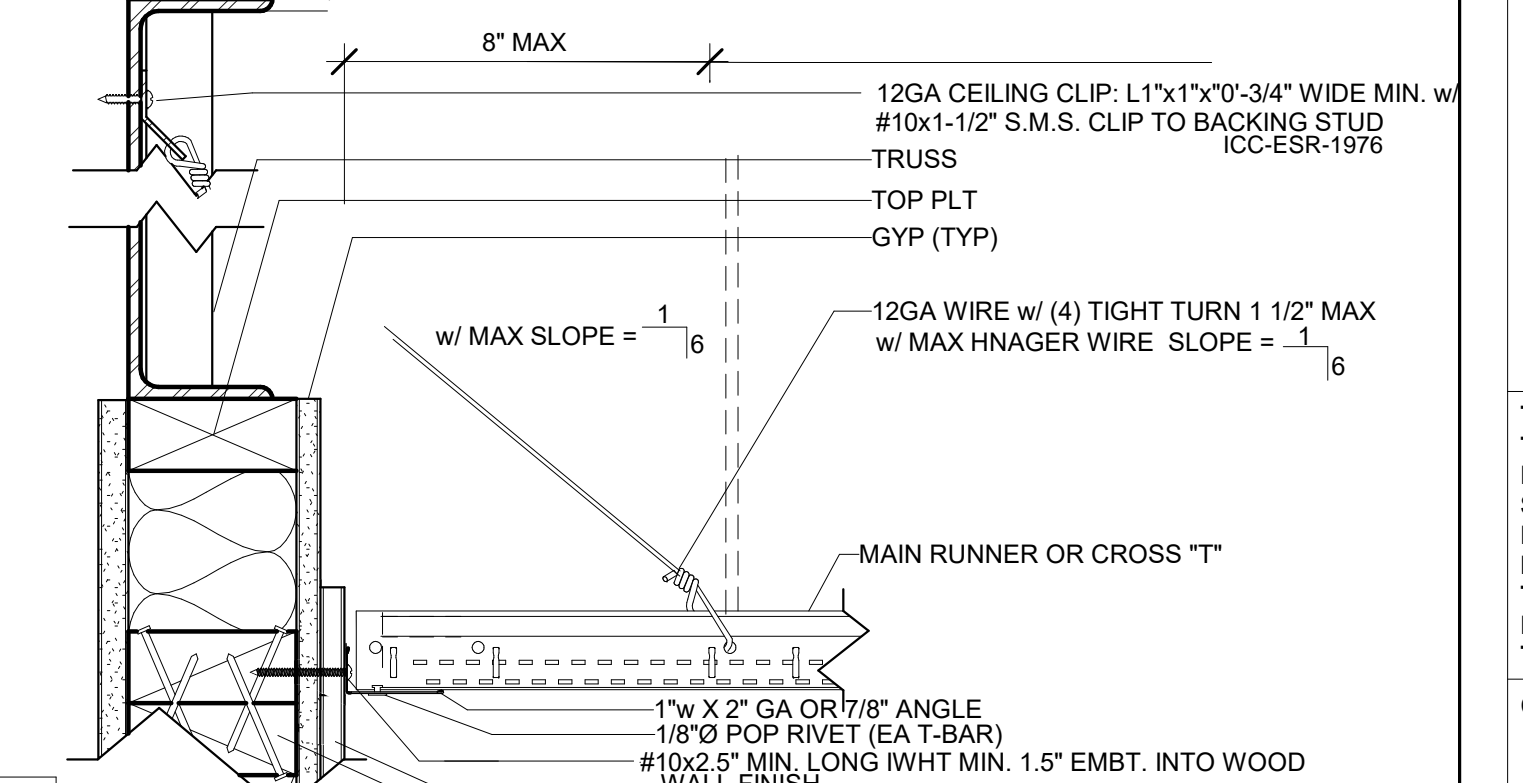
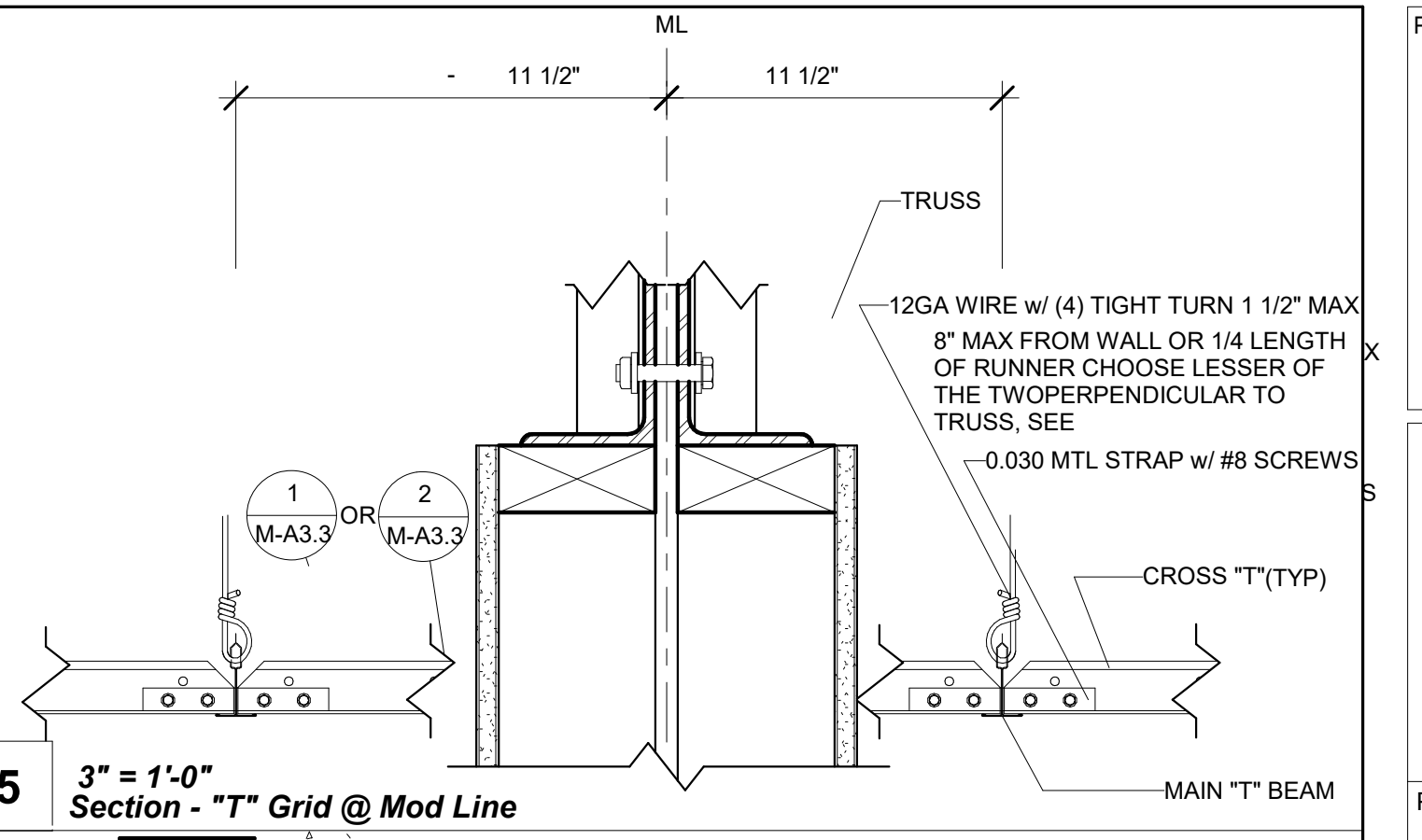
9 3" = 1'-0" Elevation - Compression Strut



6 3" = 1'-0" Floating Condition w/ 7/8" Angle



4 3" = 1'-0" Section - Fastened Condition @ Endwall



1 3" = 1'-0" Section - Floating Condition @ Sidewall

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-122805 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/28/2023

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT MEET
11500 W BERNARD COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

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REGISTERED PROFESSIONAL ARCHITECT
MANNY D. FLORES
63380
03/31/24
STATE OF CALIFORNIA
05/24/23
RST#22088

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APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
CEILING DETAILS (T-GRID)

PROJECT NUMBER
22088

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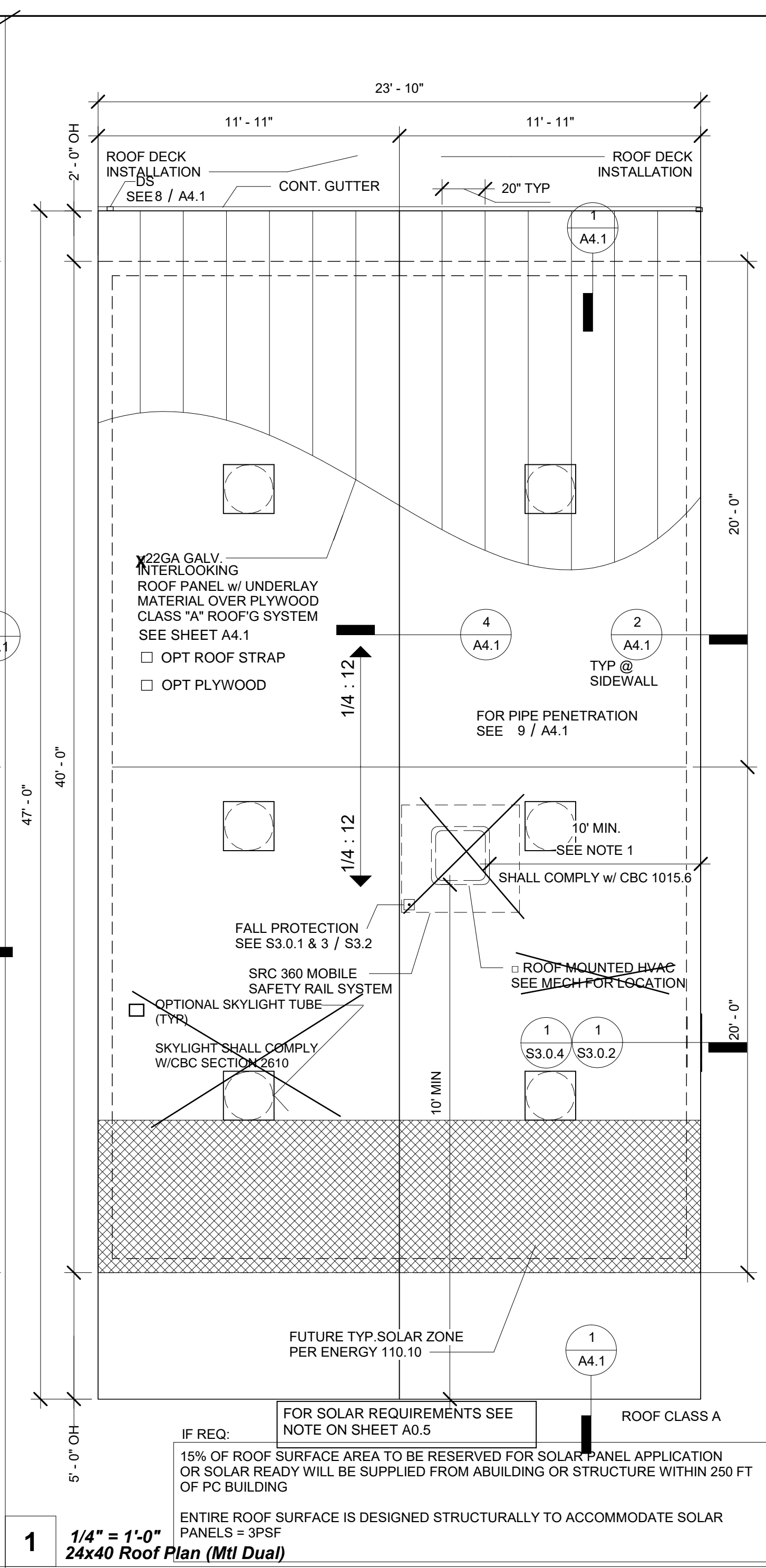
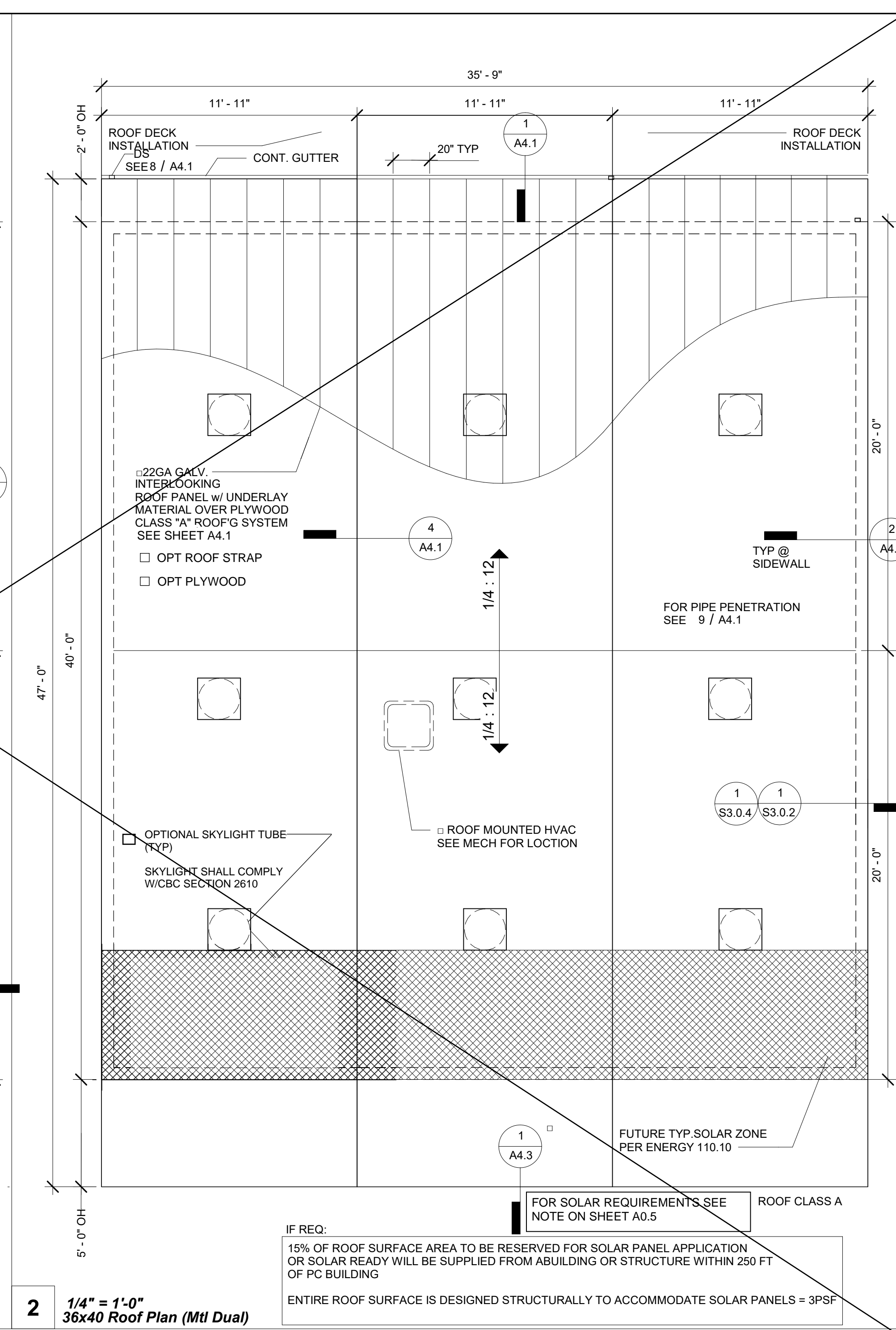
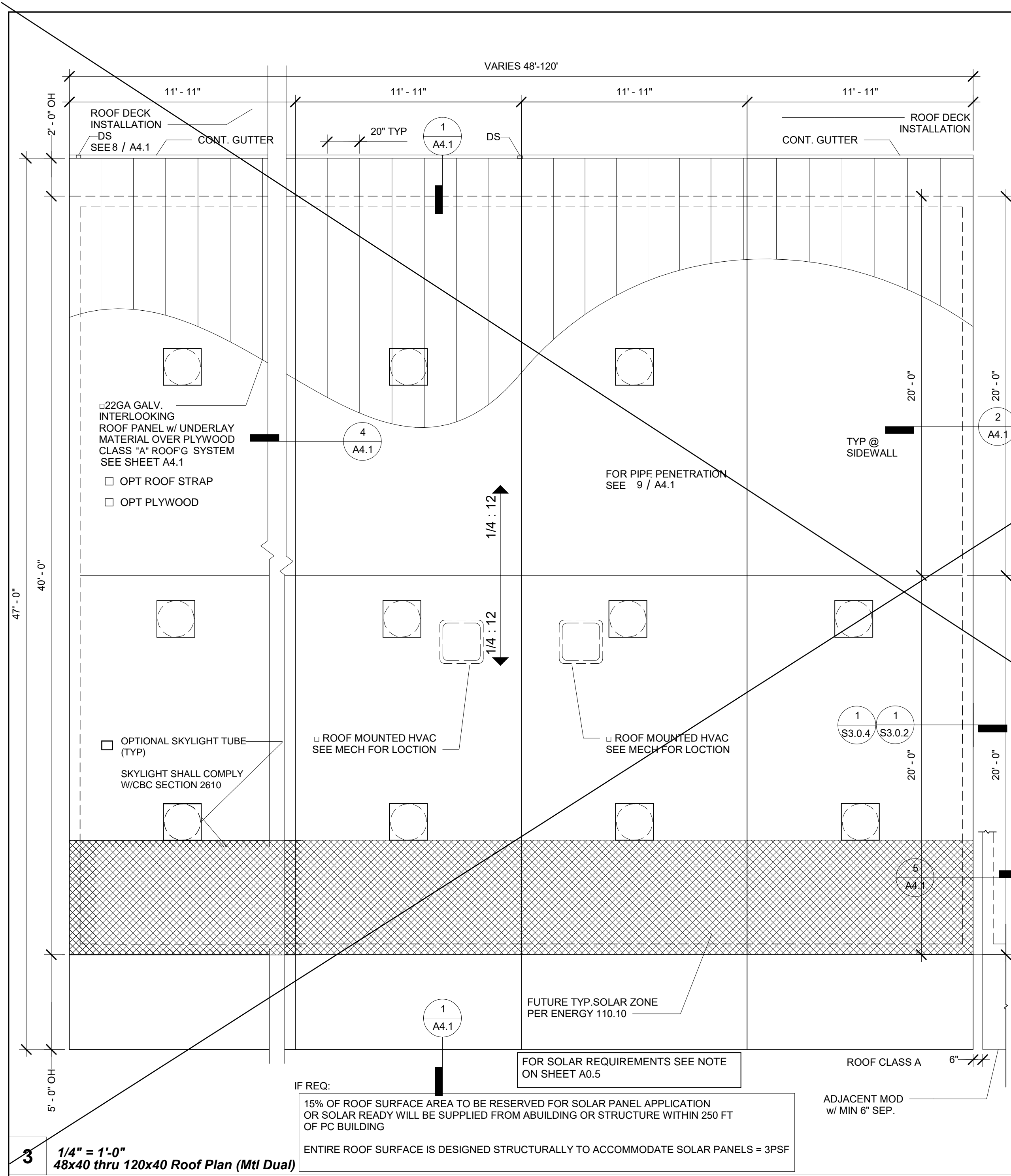
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Note: For conditioned structures, roofing must be installed IAW 2022 CBC SECTION 1202.3

1202.3 Unvented Attic and Unvented Enclosed Rafter Assemblies

Unvented attics and unvented enclosed roof framing assemblies created by ceilings applied directly to the underside of the roof framing members/rafters and the structural roof sheathing at the top of the roof framing members shall be permitted where all of the following conditions are met:

- The unvented attic space is completely within the building thermal envelope.
- No interior Class I vapor retarders are installed on the ceiling side (attic floor) of the unvented attic assembly or on the ceiling side of the unvented enclosed roof framing assembly.
- Where wood shingles or shakes are used, not less than a 1/4-inch (6.4 mm) vented airspace separates the shingles or shakes and the roofing underlayment above the structural sheathing.
- In Climate Zones 14 and 16, any air-impermeable insulation shall be a Class II vapor retarder or shall have a Class II vapor retarder coating or covering in direct contact with the underside of the insulation.

See the California Energy Code, Figure 100.1-A — California Climate Zones.

4.1. [HCD 1 & HCD 2] In Climate Zones 14 and 16, a Class I or Class II vapor retarder shall be installed on the indirectly conditioned space side of all insulation in an unvented attic with air-permeable insulation, for condensation control.

5. Insulation shall be located in accordance with the following:

- Item 5.1.1, 5.1.2, 5.1.3 or 5.1.4 shall be met, depending on the air permeability of the insulation directly under the structural roof sheathing. No insulation shall be required when roof tiles, wood shingles or wood shakes, or any other roofing system using battens and no continuous underlayment is installed. A continuous underlayment shall be considered to exist if sheathing, roofing paper or any continuous layer having a perm rate of no more than one perm under the dry cup method is present.
- 5.1.1. Where only air-impermeable insulation is provided, it shall be applied in direct contact with the underside of the structural roof sheathing.
- 5.1.2. Where air-permeable insulation is provided inside the building thermal envelope, it shall be installed in accordance with Item 5.1.1. In addition to the air-permeable insulation installed directly below the structural sheathing, rigid board or sheet insulation shall be installed directly above the structural roof sheathing in accordance with the R-values in Table 1202.3 for condensation control.
- 5.1.3. Where both air-impermeable and air-permeable insulation are provided, the air-impermeable insulation shall be applied in direct contact with the underside of the structural roof sheathing and shall be in accordance with the R-values in Table 1202.3 for condensation control. The air-permeable insulation shall be installed directly under the air-impermeable insulation.
- 5.1.4. Alternatively, sufficient rigid board or sheet insulation shall be installed directly above the structural roof sheathing to maintain the monthly average temperature of the underside of the structural roof sheathing above 45°F (7°C). For calculation purposes, an interior air temperature of 68°F (20°C) is assumed and the exterior air temperature is assumed to be the monthly average outside air temperature of the three coldest months.

5.2. Where performed insulation board is used as the air-impermeable insulation layer, it shall be sealed at the perimeter of each individual sheet interior surface to form a continuous layer.

Exceptions:

- Section 1202.3 does not apply to special use structures or enclosures such as swimming pool enclosures, data processing centers, hospitals or art galleries.
- Section 1202.3 does not apply to enclosures in Climate Zones 14 and 16 that are humidified beyond 35 percent during the three coldest months.

TABLE 1202.3 INSULATION FOR CONDENSATION CONTROL

CLIMATE ZONE	MINIMUM R-VALUE OF AIR-IMPERMEABLE INSULATION*
2B and 3B tile roof only	0 (none required)
1, 2A, 2B, 3A, 3B, 3C	R-5
4C	R-10
4A, 4B	R-15
5	R-20
6	R-25
7	R-30
8	R-35

* Contributes to, but does not supersede, thermal resistance requirements for attic and roof assemblies in the California Energy Code.

NOTE: PER CBC 1015.6, - EXCEPTION, GUARDRAILS ARE NOT REQUIRED WHERE PERMANENT FALL RESTRAINT ANCHORAGE DEVICES ARE AFFIXED & SHALL BE PLACED NOT MORE THAN 10FT FROM THE ROOF EDGE.

PV AREA FOR FIRE ACCESS REQ (PER IR 16-9)

3.2.1 General Requirements: A PV System shall be typically considered equipment. There is typically not an occupancy group classification, building area limitation, or type of construction assignment to a PV system.

- PV equipment supported by non-combustible framing installed in locations dedicated for building frontage used for area increases per California Building Code (CBC), Chapter 5, Section 506, shall be limited in size and may be allowed on a case by case basis. Maximum area that may be allowed for such systems shall not exceed 1/3 of the horizontal projected area of each frontage.
- Open sided PV systems and framing that are non-combustible and without use underneath may be considered equipment and may be placed next to DSA IR 16-9 Solar Photovoltaic and Thermal (updated 01-25-17) Systems Review and Approval Requirements Page 11 of 19 property lines. Signs may be required on or near the system prohibiting any use or storage underneath the equipment.
- Combustible PV systems and framing and those with use underneath such as for assembly or parking, may need to comply with CBC 1015.6, Section 503. These structures may include those that do and that do not have a roof underneath the PV system.
- PV systems (both the frame and the array) shall not be placed in fire department access roads. (Per Title 24 CCR, Division 1, Chapter 1, Section 3.05 and 2022 CFC Chapter 5, Section 503.)
- Access to a public way or safe dispersal area shall not be obstructed by the system or system framing. (CBC 1027.6 and 442.3)
- PV systems that cover a lunch area or similar (occupant load less than 50), that are not used for assembly purposes shall be considered equipment. Playgrounds would also fall into this category regardless of total occupant load.
- Any PV system that is installed above an assembly use (i.e. Group A-3 or A-5 occupancy classification) shall be considered an open sided building structure and all or portions of CBC provisions apply on a case by case basis. Such areas might include an outdoor amphitheater, bleacher or grandstand seating with concentrated occupant loads and heavy use.
- Fire Department concern for the installation of roof mounted PV systems will be addressed by DSA review to the State Fire Marshal Solar Photovoltaic Installation Guideline available at: <http://osfm.fire.ca.gov/pdf/reports/solarphotovoltaicguideline.pdf>
- When a PV system, without riser framework, is installed directly on a rated roof assembly with a required classification greater than "Class C" found in CBC, Chapter 15, and f

1202.3 Unvented Attic and Unvented Enclosed Rafter Assemblies

Unvented attics and unvented enclosed roof framing assemblies created by ceilings applied directly to the underside of the roof framing members/rafters and the structural roof sheathing at the top of the roof framing members shall be permitted where all of the following conditions are met:

- The unvented attic space is completely within the building thermal envelope.
- No interior Class I vapor retarders are installed on the ceiling side (attic floor) of the unvented attic assembly or on the ceiling side of the unvented enclosed roof framing assembly.
- Where wood shingles or shakes are used, not less than a 1/4-inch (6.4 mm) vented airspace separates the shingles or shakes and the roofing underlayment above the structural sheathing.
- In Climate Zones 14 and 16, any air-impermeable insulation shall be a Class II vapor retarder or shall have a Class II vapor retarder coating or covering in direct contact with the underside of the insulation.

See the California Energy Code, Figure 100.1-A — California Climate Zones.

4.1. [HCD 1 & HCD 2] In Climate Zones 14 and 16, a Class I or Class II vapor retarder shall be installed on the indirectly conditioned space side of all insulation in an unvented attic with air-permeable insulation, for condensation control.

5. Insulation shall be located in accordance with the following:

- Item 5.1.1, 5.1.2, 5.1.3 or 5.1.4 shall be met, depending on the air permeability of the insulation directly under the structural roof sheathing. No insulation shall be required when roof tiles, wood shingles or wood shakes, or any other roofing system using battens and no continuous underlayment is installed. A continuous underlayment shall be considered to exist if sheathing, roofing paper or any continuous layer having a perm rate of no more than one perm under the dry cup method is present.
- 5.1.1. Where only air-impermeable insulation is provided, it shall be applied in direct contact with the underside of the structural roof sheathing.
- 5.1.2. Where air-permeable insulation is provided inside the building thermal envelope, it shall be installed in accordance with Item 5.1.1. In addition to the air-permeable insulation installed directly below the structural sheathing, rigid board or sheet insulation shall be installed directly above the structural roof sheathing in accordance with the R-values in Table 1202.3 for condensation control.
- 5.1.3. Where both air-impermeable and air-permeable insulation are provided, the air-impermeable insulation shall be applied in direct contact with the underside of the structural roof sheathing and shall be in accordance with the R-values in Table 1202.3 for condensation control. The air-permeable insulation shall be installed directly under the air-impermeable insulation.
- 5.1.4. Alternatively, sufficient rigid board or sheet insulation shall be installed directly above the structural roof sheathing to maintain the monthly average temperature of the underside of the structural roof sheathing above 45°F (7°C). For calculation purposes, an interior air temperature of 68°F (20°C) is assumed and the exterior air temperature is assumed to be the monthly average outside air temperature of the three coldest months.

5.2. Where performed insulation board is used as the air-impermeable insulation layer, it shall be sealed at the perimeter of each individual sheet interior surface to form a continuous layer.

Exceptions:

- Section 1202.3 does not apply to special use structures or enclosures such as swimming pool enclosures, data processing centers, hospitals or art galleries.
- Section 1202.3 does not apply to enclosures in Climate Zones 14 and 16 that are humidified beyond 35 percent during the three coldest months.

TABLE 1202.3 INSULATION FOR CONDENSATION CONTROL

CLIMATE ZONE	MINIMUM R-VALUE OF AIR-IMPERMEABLE INSULATION*
2B and 3B tile roof only	0 (none required)
1, 2A, 2B, 3A, 3B, 3C	R-5
4C	R-10
4A, 4B	R-15
5	R-20
6	R-25
7	R-30
8	R-35

* Contributes to, but does not supersede, thermal resistance requirements for attic and roof assemblies in the California Energy Code.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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APP. 04-122805 INC.
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SS FLS ACS
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STATE OF CALIFORNIA
05/24/23
RST#22088

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APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
ROOF PLAN DUAL SLOPE (STANDING SEAM)

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE

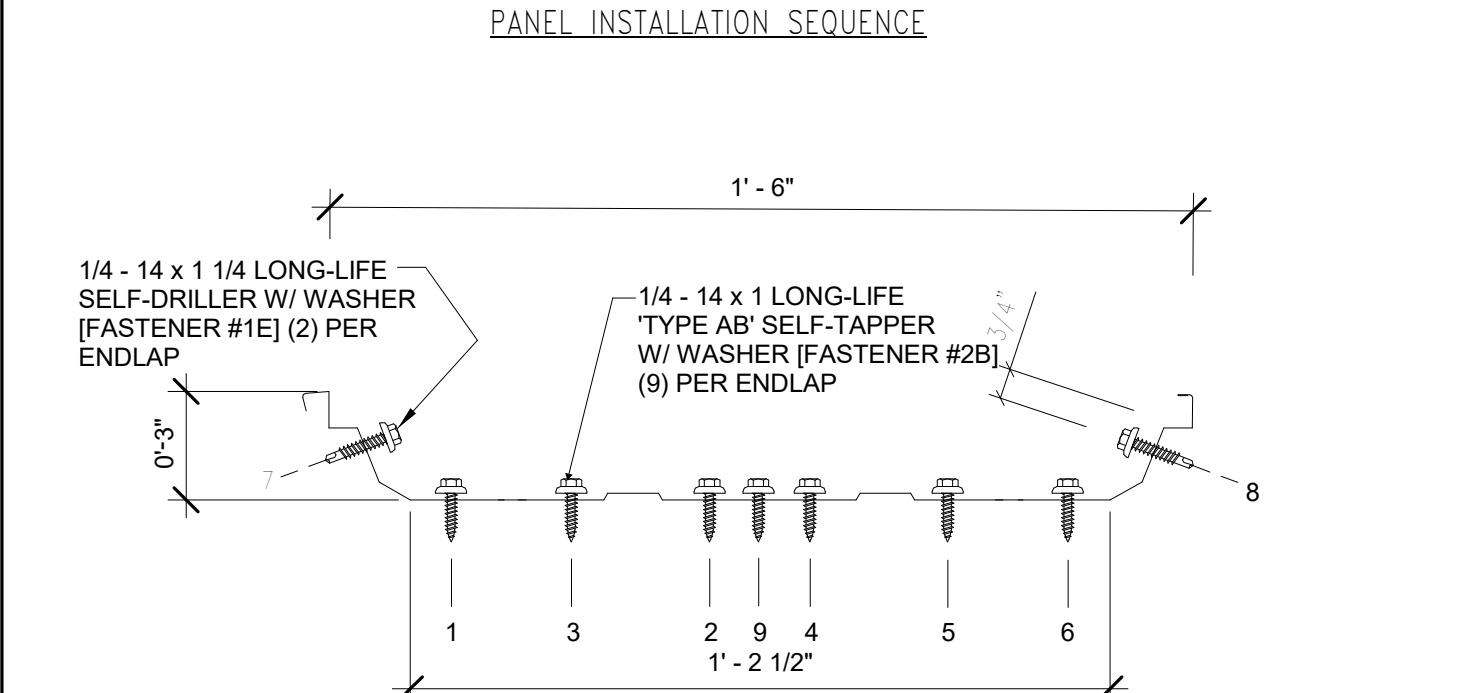
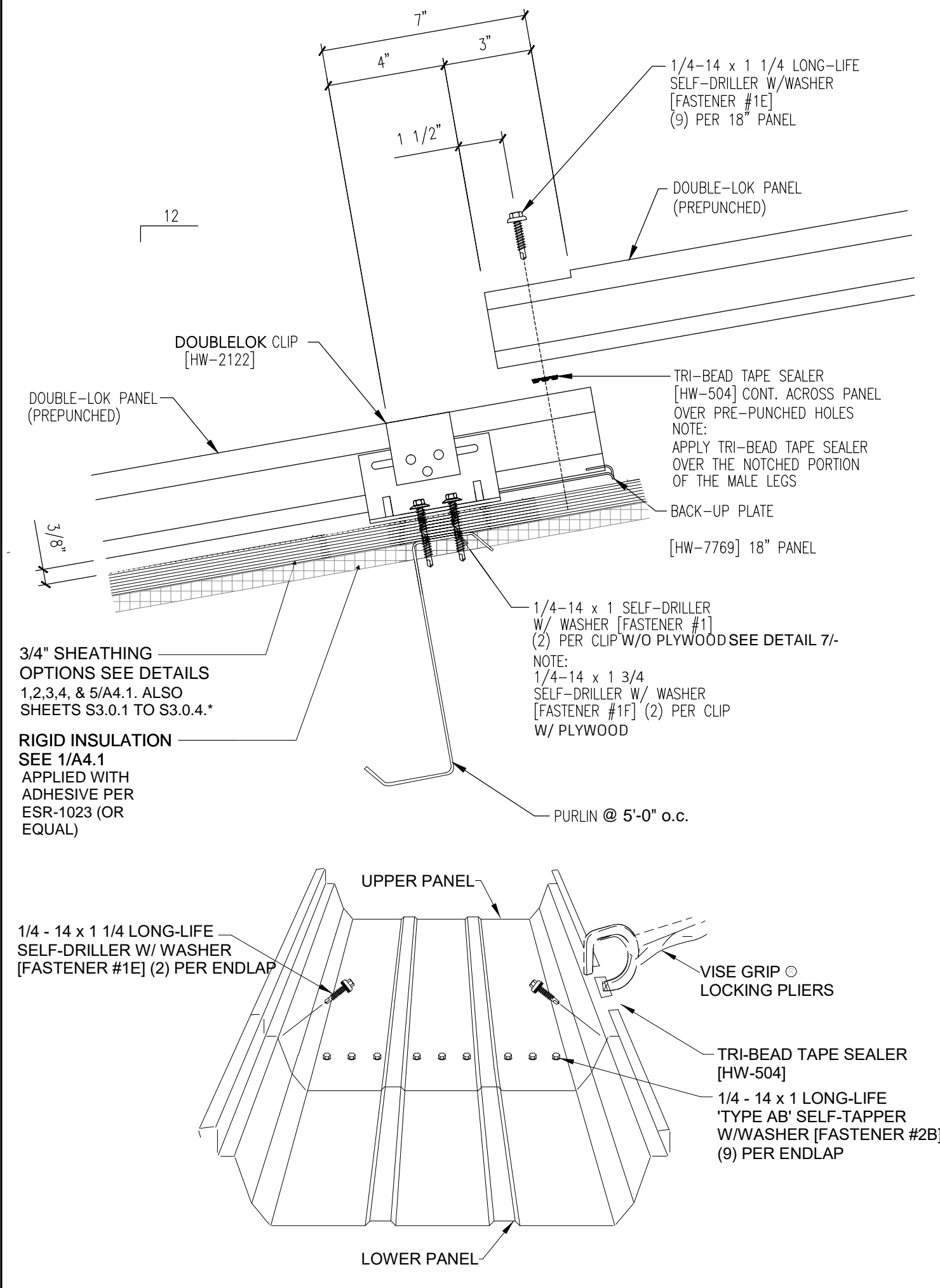
SHEET NO.
A4.0.2

SHEET OF

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Clip - 2" Sliding (Low)

PART #	DESCRIPTION	HEIGHT	WEIGHT EACH	PRICED PER EACH
HW-2122	Double-Lok®	3 1/2"	50#	✓

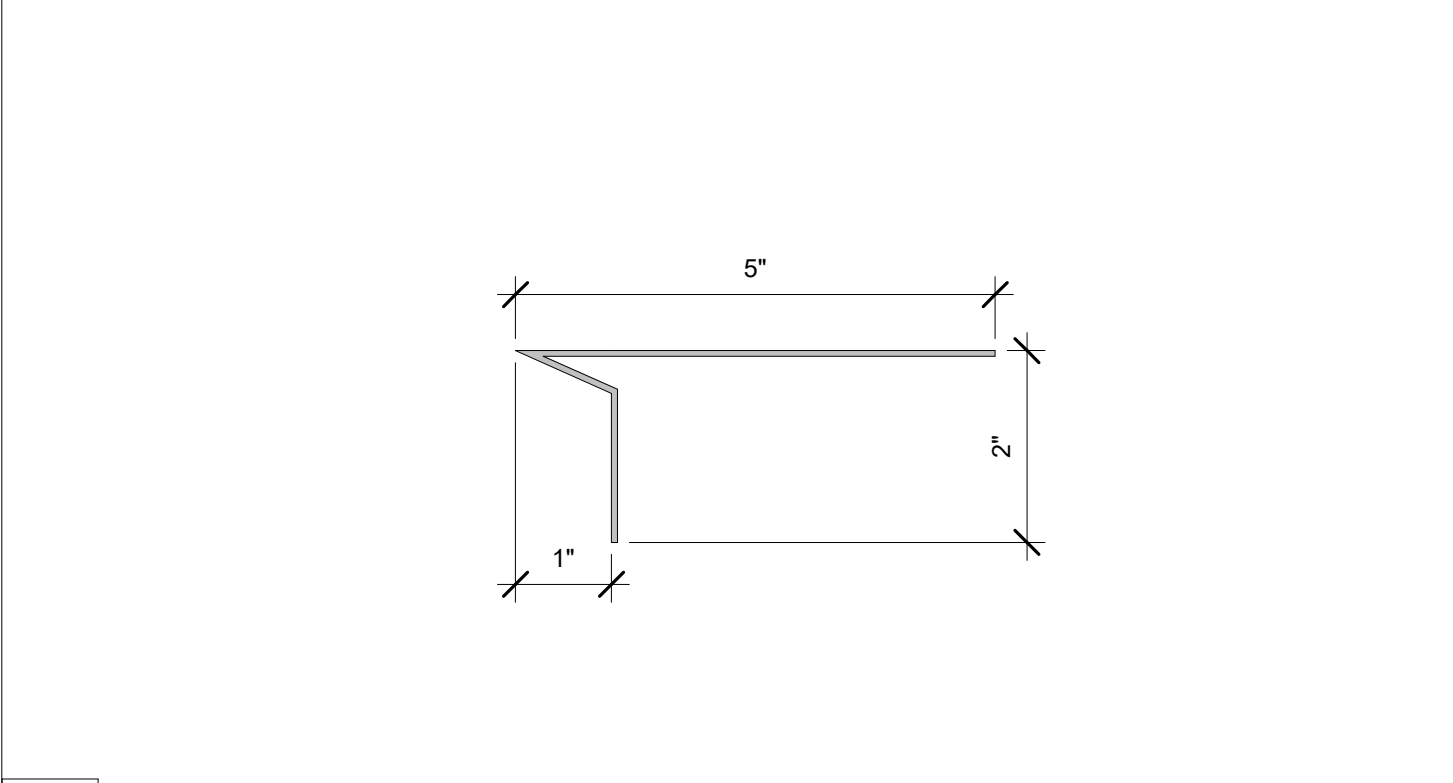


18" DOUBLE-LOK 22GA STANDING SEAM PANEL BY MBCL

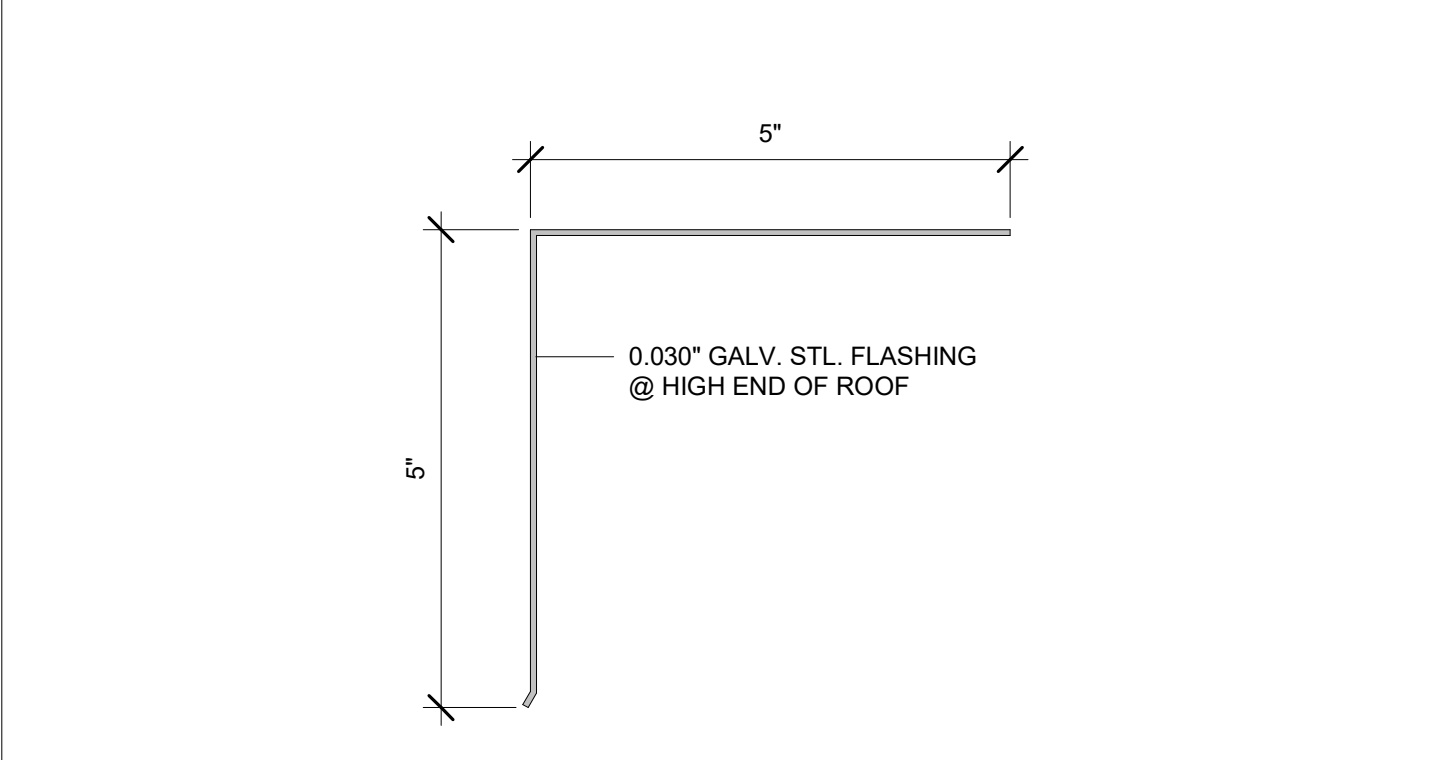
NEG	POS
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S _x = 0.1846 IN ²	S _x = 0.2154 IN ²
I _x = 0.2718 IN ⁴	I _x = 0.4968 IN ⁴
F _y = 50 KSI	F _y = 50 KSI

* PLYWOOD UNDERLAY IS USED PER S3.0.1 & S3.0.2 CONDITIONS AND IS OPTIONAL AT THE METAL DECK CONDITIONS PER S3.0.3 & S3.0.4

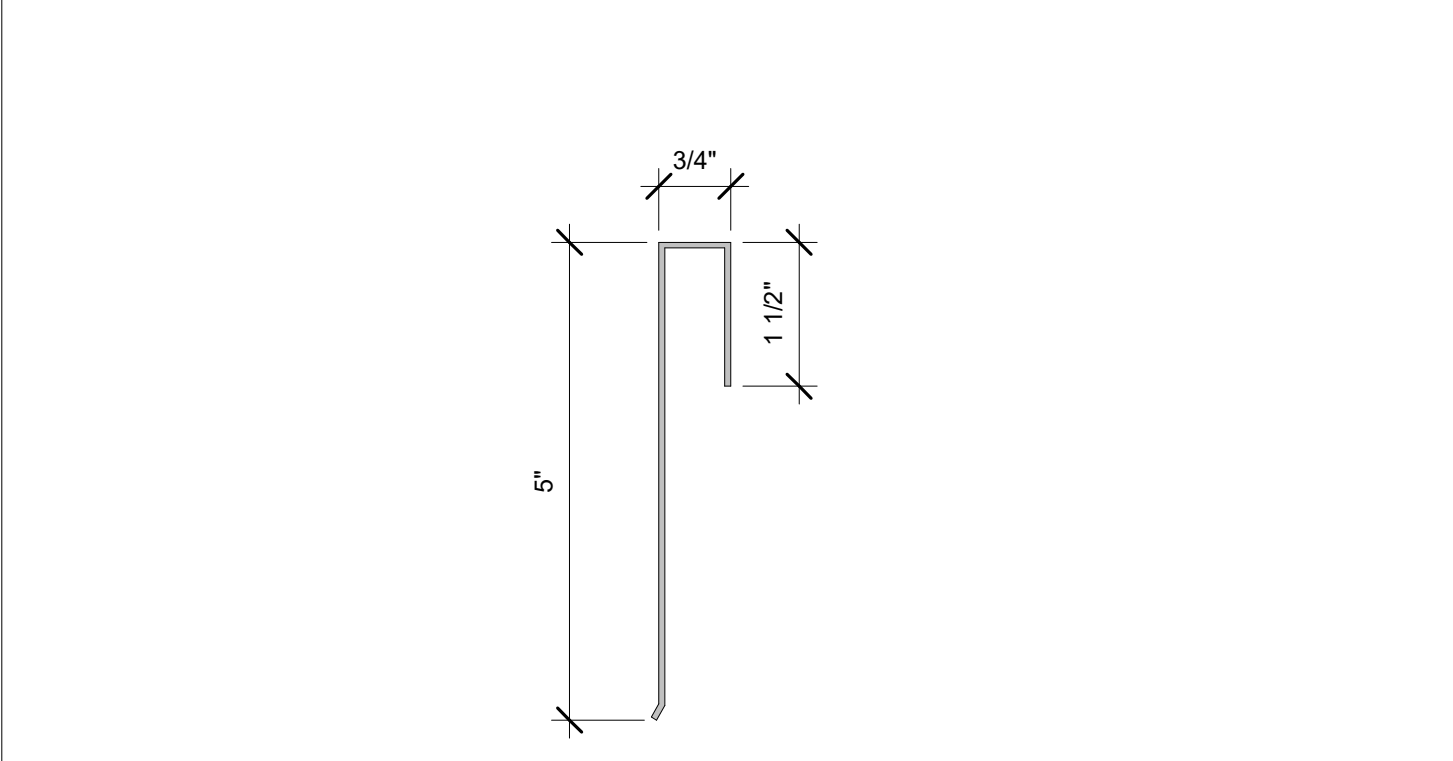
14 6" = 1'-0" FLASHING @ ROOF HIGH SIDE



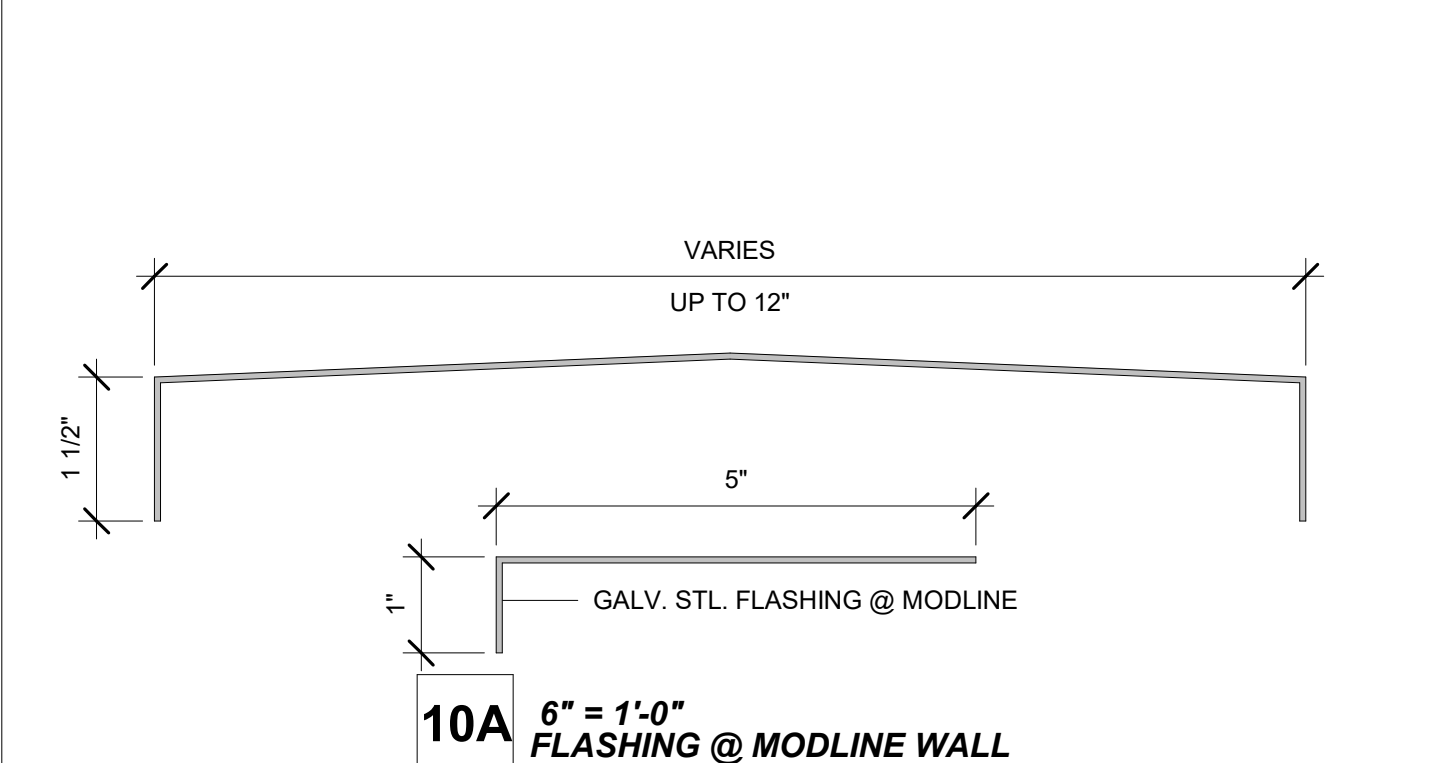
13 6" = 1'-0" FLASHING @ ROOF LOW SIDE



12 6" = 1'-0" ROOF FLASHING

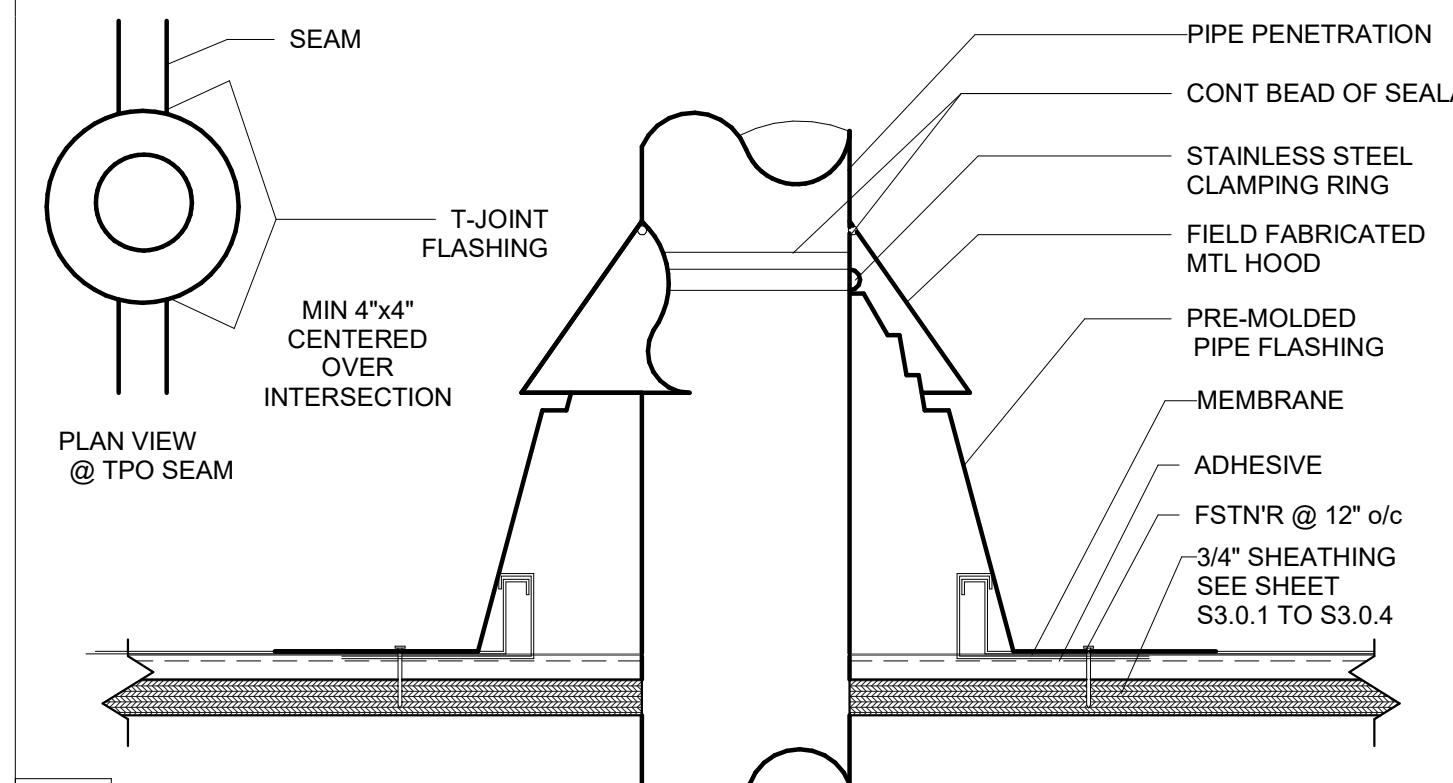


11 6" = 1'-0" ROOF FLASHING @ SIDEWALL

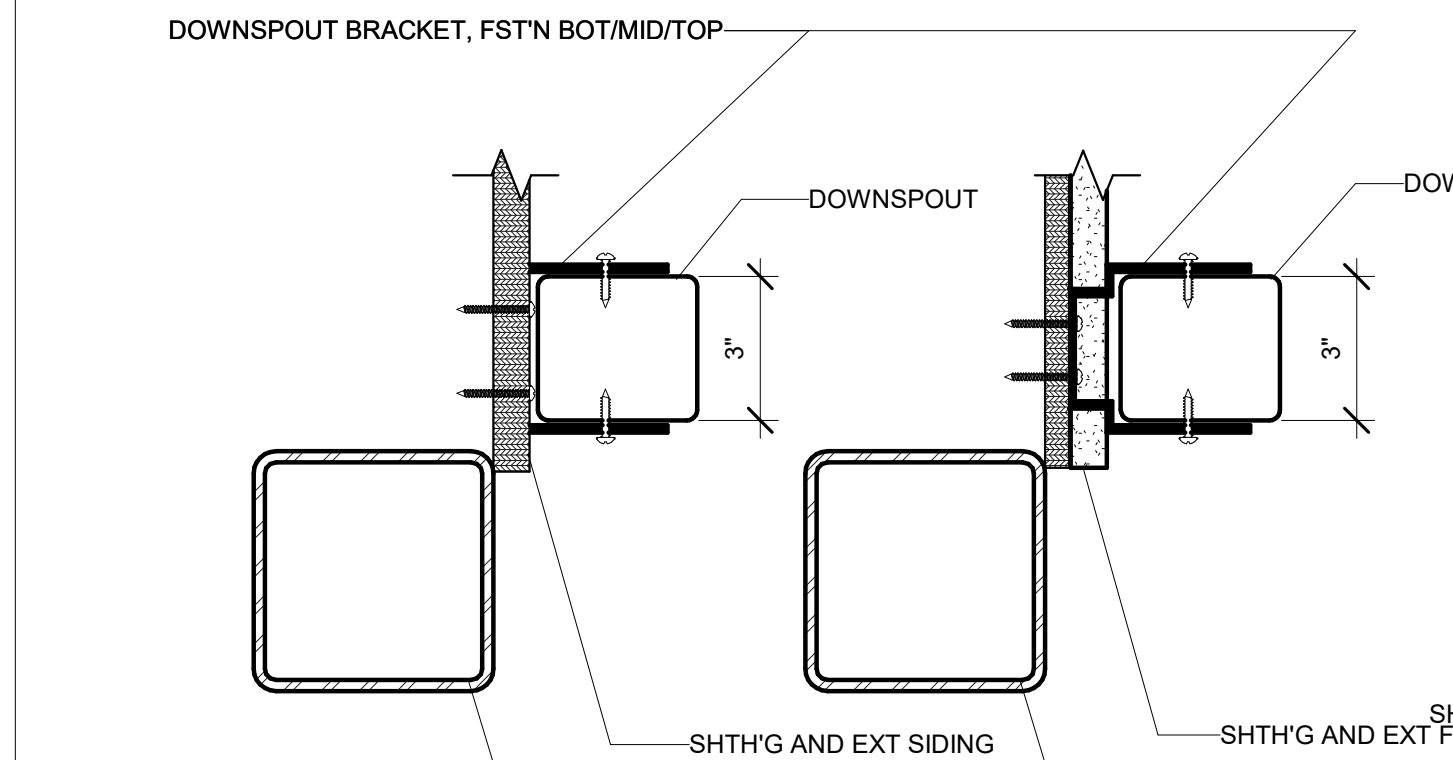


10 6" = 1'-0" ROOF CAP @ MODLINE

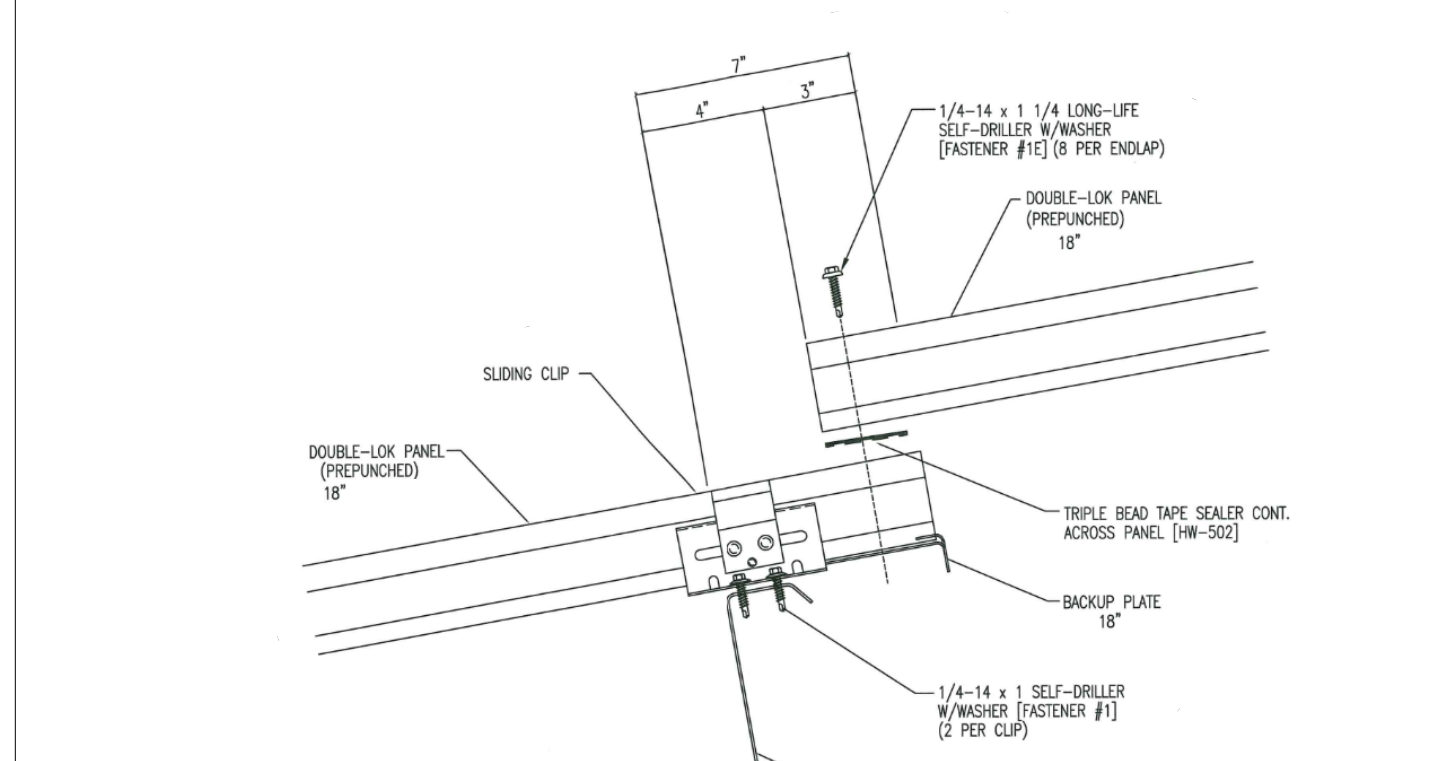
5A 3" = 1'-0" Roof @ Mateline Std'g Seam w/ 6" Sep



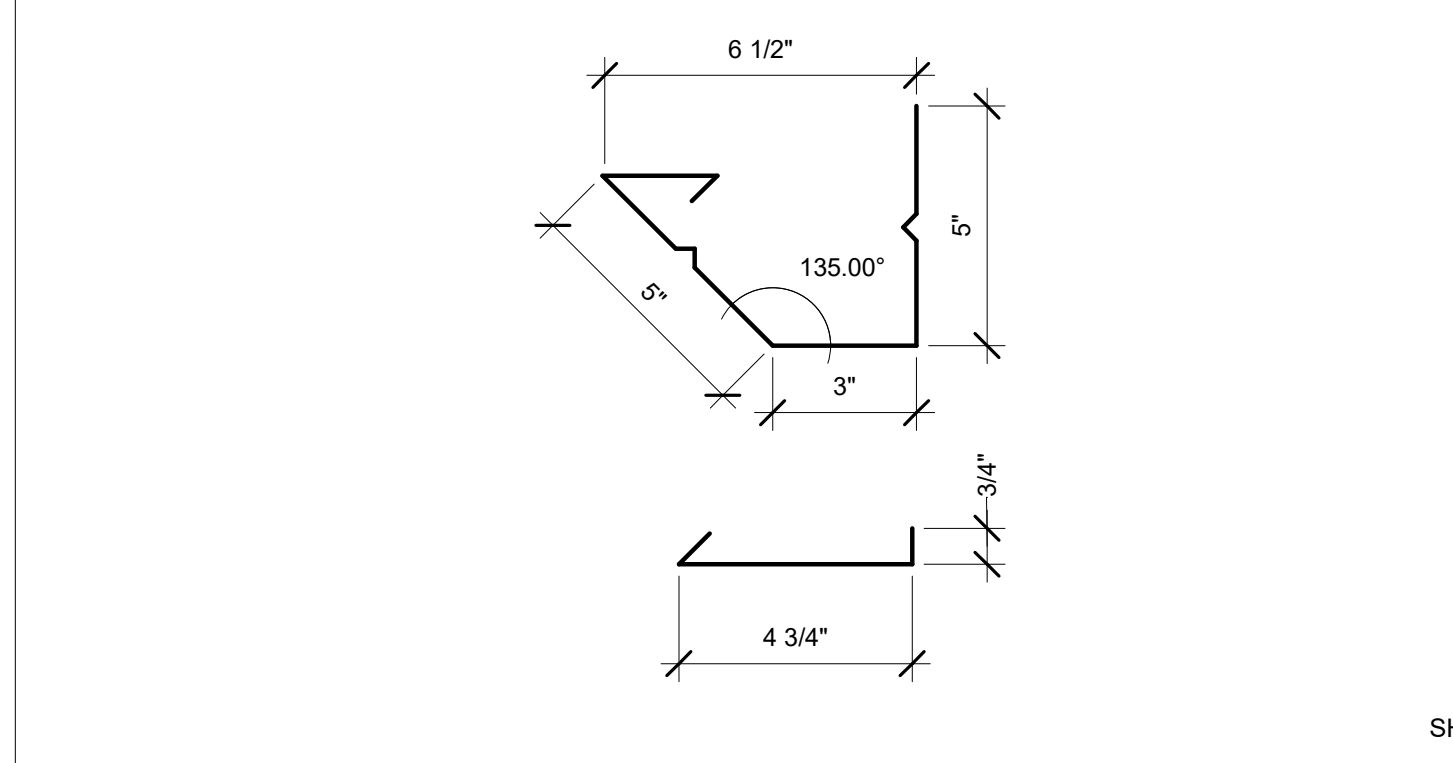
9 3" = 1'-0" Pipe Penetration Standing Seam



8 3" = 1'-0" Downspout Mount

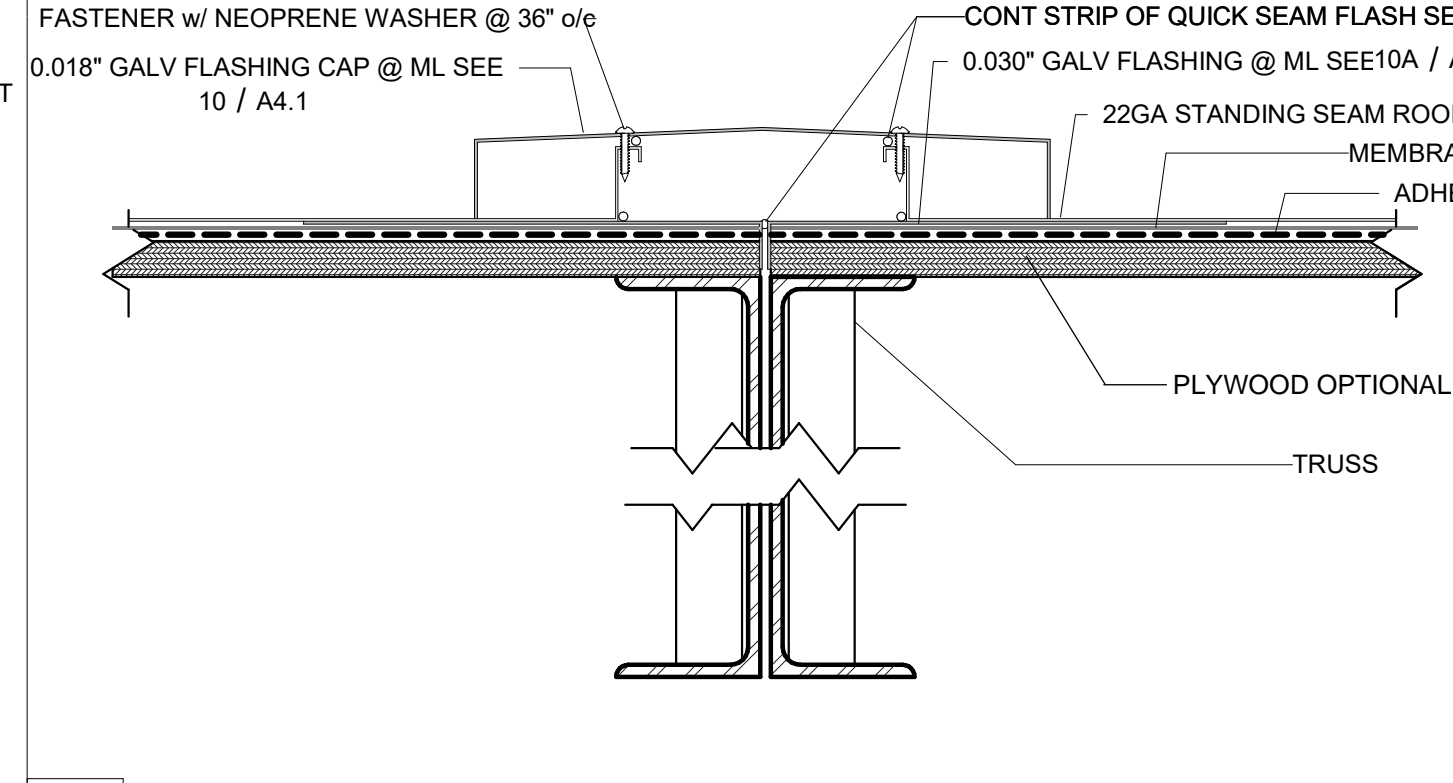


7 3" = 1'-0" Standing Seam Sidewall

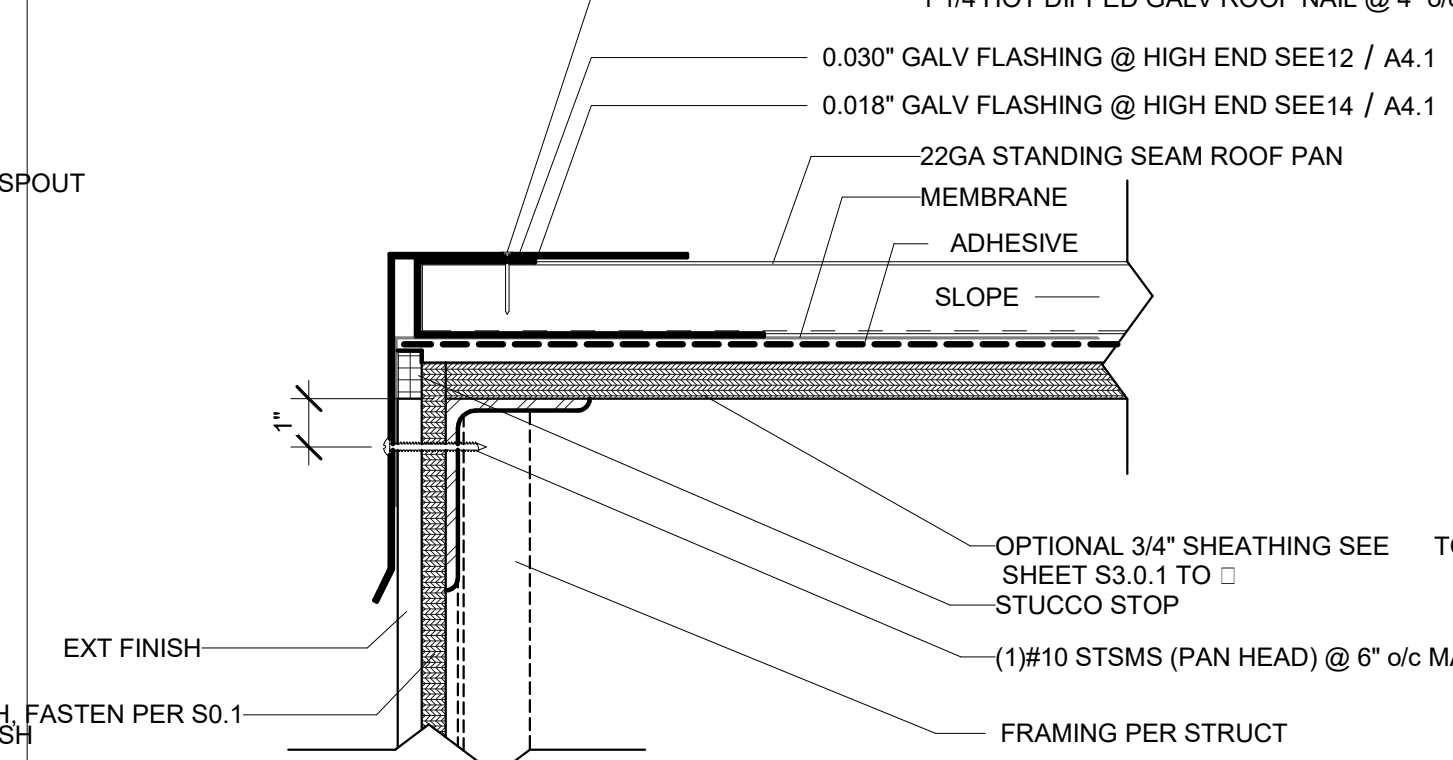


6 3" = 1'-0" Gutter and Strap

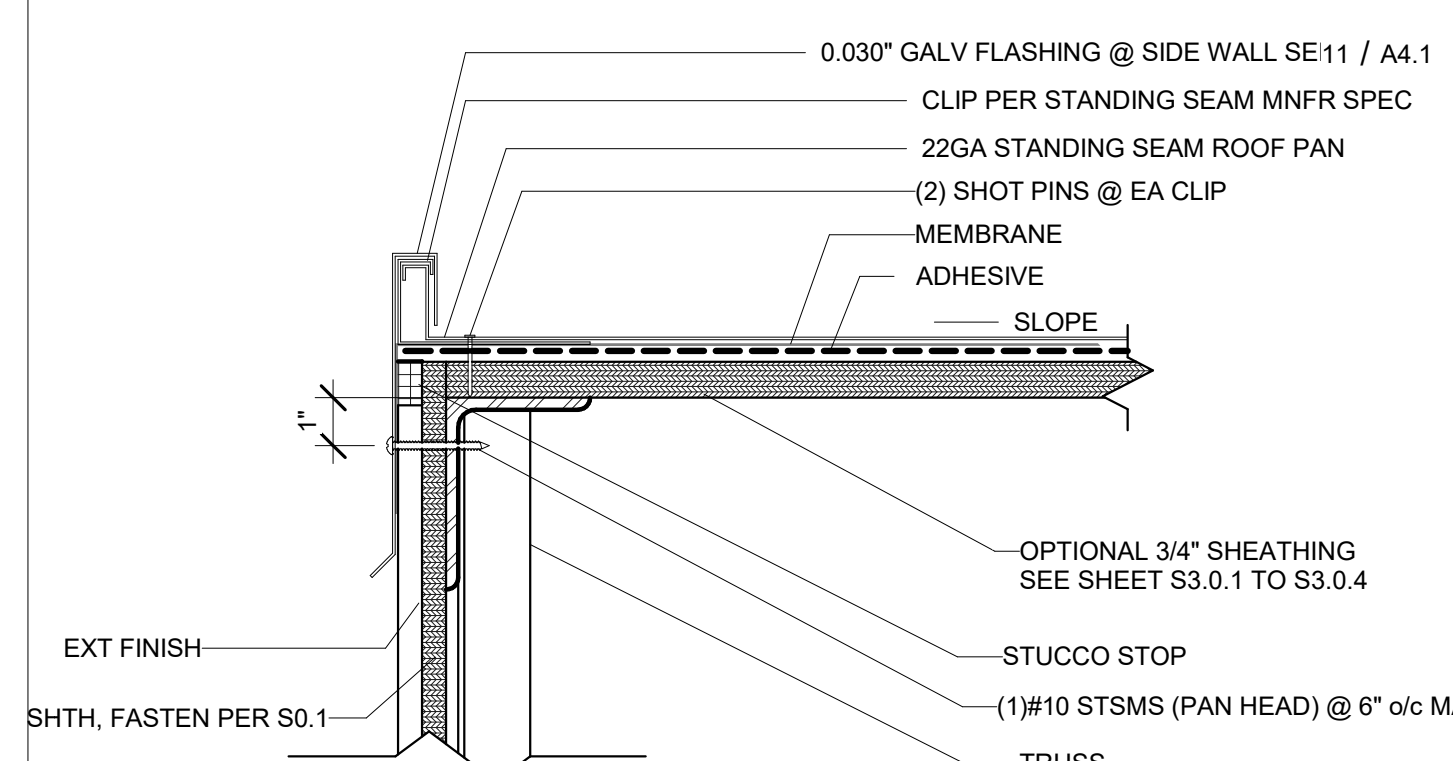
5 3" = 1'-0" Roof @ Standing Seam Mateline



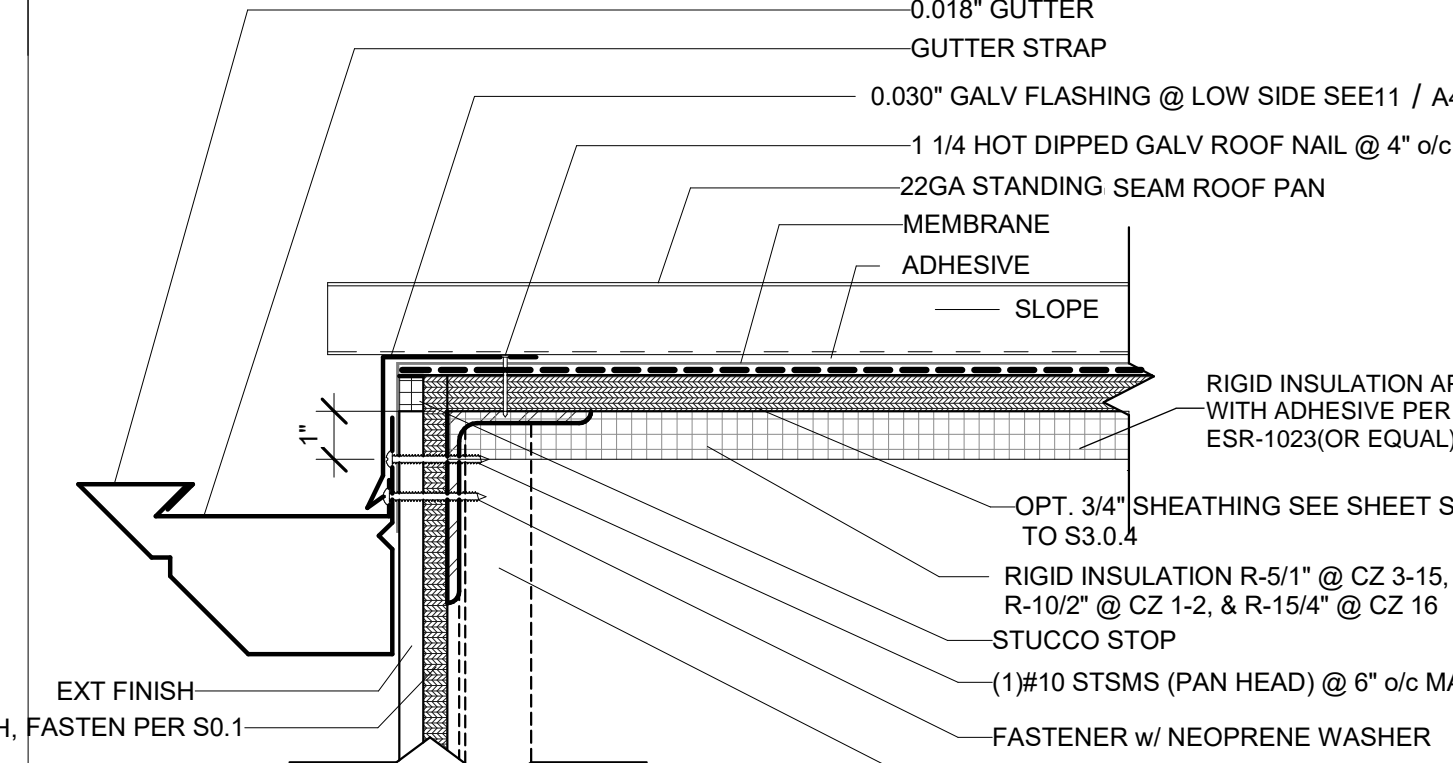
4 3" = 1'-0" Roof @ Standing Seam Mateline



3 3" = 1'-0" Roof @ Endwall Std'g Seam (High End)



2 3" = 1'-0" Standing Seam Sidewall



1 3" = 1'-0" Roof @ Endwall Std'g Seam (Low End)

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APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
ROOF DETAILS (STANDING SEAM)

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE

SHEET NO.
A4.1

SHEET OF

Ext. Finish Schedule			
	Finishes	Sheet	Notes
<input checked="" type="checkbox"/>	SIDING OVER WD STUDS	A2.1	
<input type="checkbox"/>	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2	
<input type="checkbox"/>	SIDING OVER STL STUDS	A2.3	
<input type="checkbox"/>	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.4	
<input type="checkbox"/>	LAP SIDING OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS		

Fire Rating Schedule			
	Rating	Sheet	Notes
<input type="checkbox"/>	1 HOUR - SIDING OVER WD STUDS	A2.5	
<input type="checkbox"/>	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6	
<input type="checkbox"/>	1 HOUR - SIDING OVER STL STUDS	A2.7	
<input type="checkbox"/>	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.8	
<input type="checkbox"/>	1 HOUR - LAP SIDING OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS		

SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS

9 1/4" = 1'-0"
Ext. Finish Schedule

10 1/4" = 1'-0"
Fire Rating Schedule

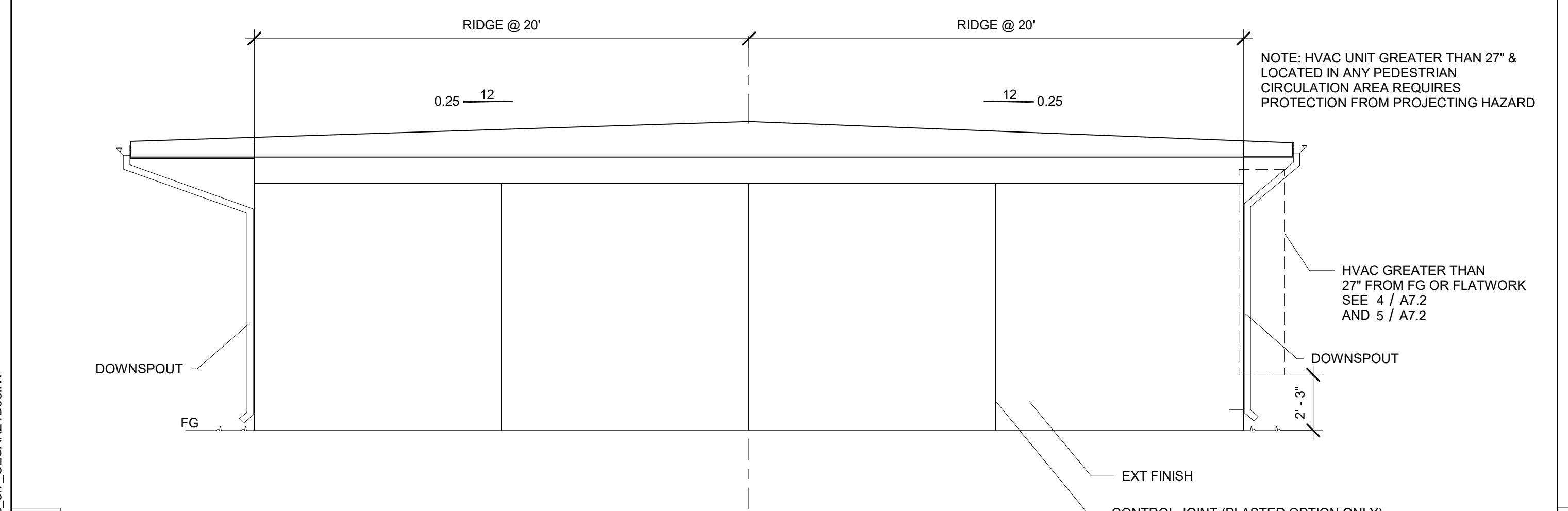
SEE A0.1 FOR GENERAL NOTES

Wall Schedule			
	Stud Size	Sheet	Notes
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<input type="checkbox"/>	MJI Wall Stud	S4.5	CONTINUOUS EXT R-4 INSULATION

FOR WUI DETAILS SEE SHEETS A2.1(B), A2.2(B), A2.3(B), A2.4(B), A2.7(B)

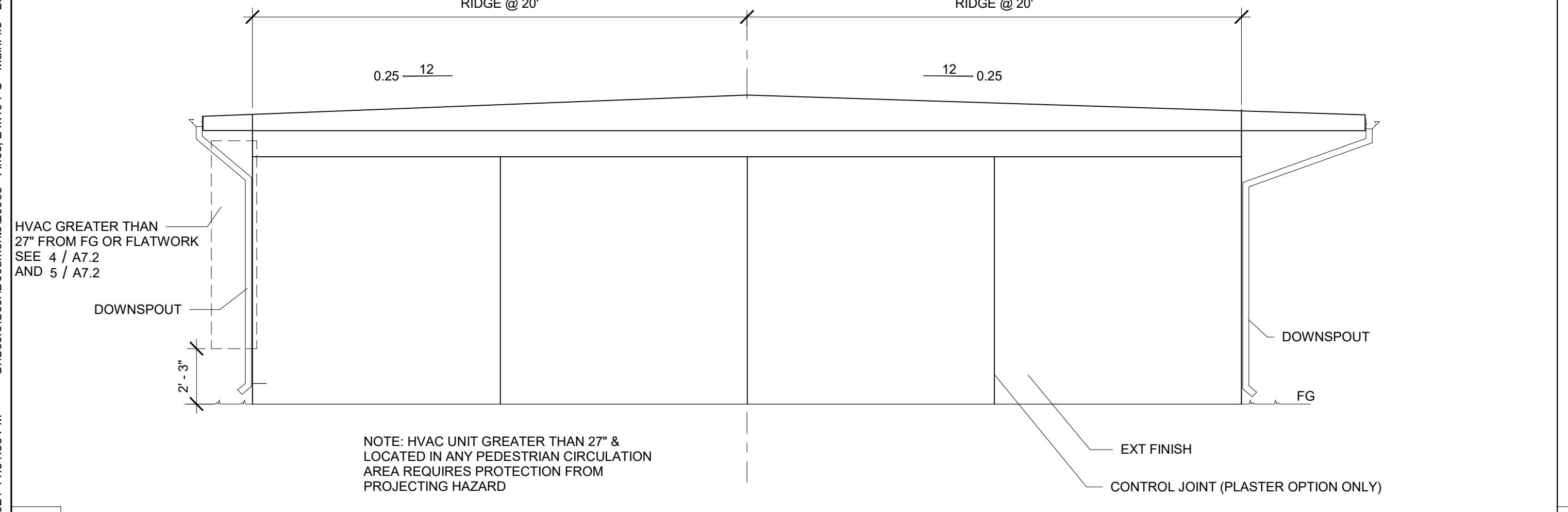
7 3" = 1'-0"
Notes A5.0

8 1/4" = 1'-0"
Wall Schedule



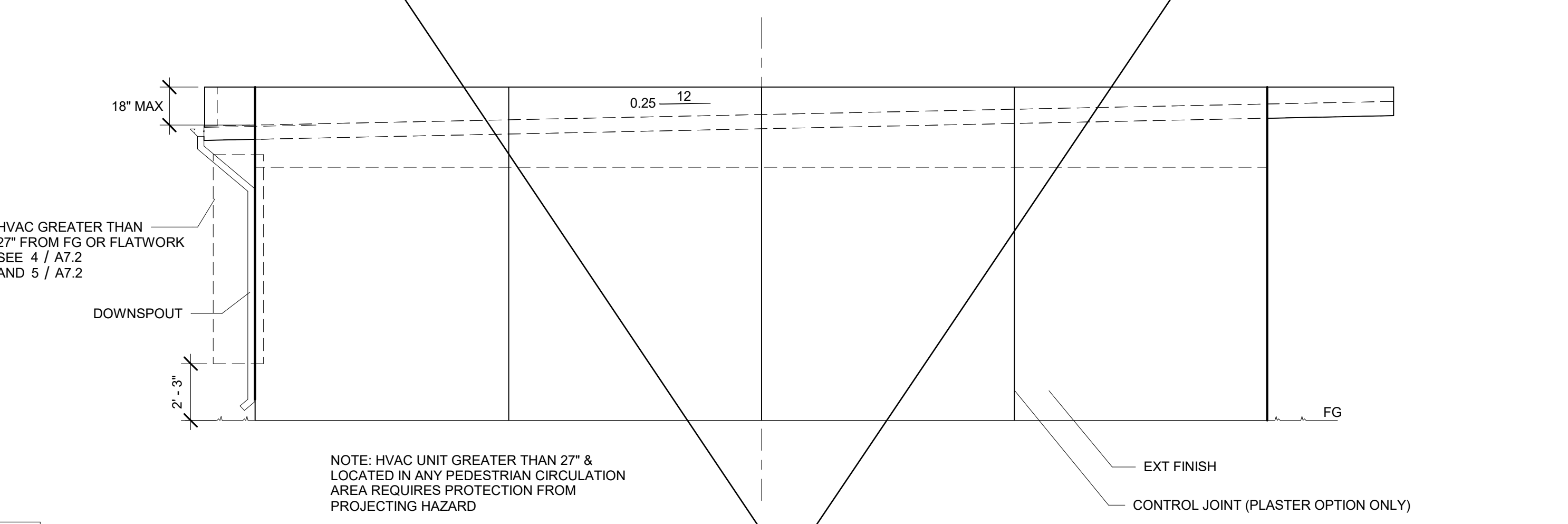
6 1/4" = 1'-0"
Right Elevation (Dual)

8 1/4" = 1'-0"
Wall Schedule

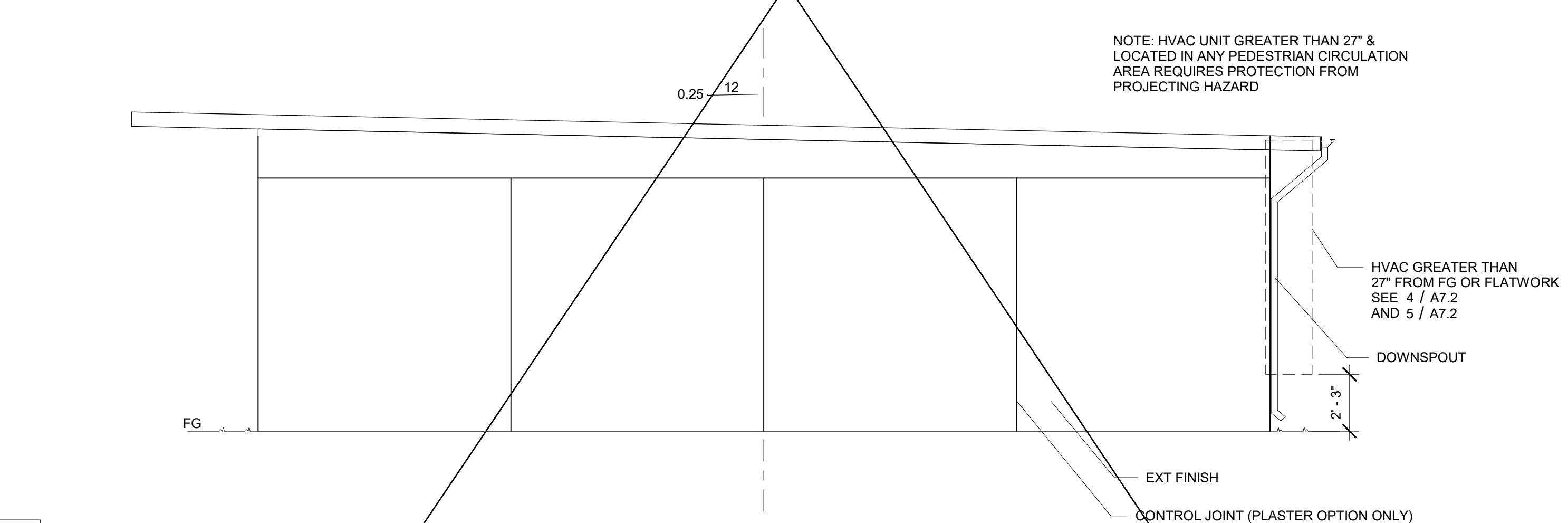


5 1/4" = 1'-0"
Left Elevation (Dual)

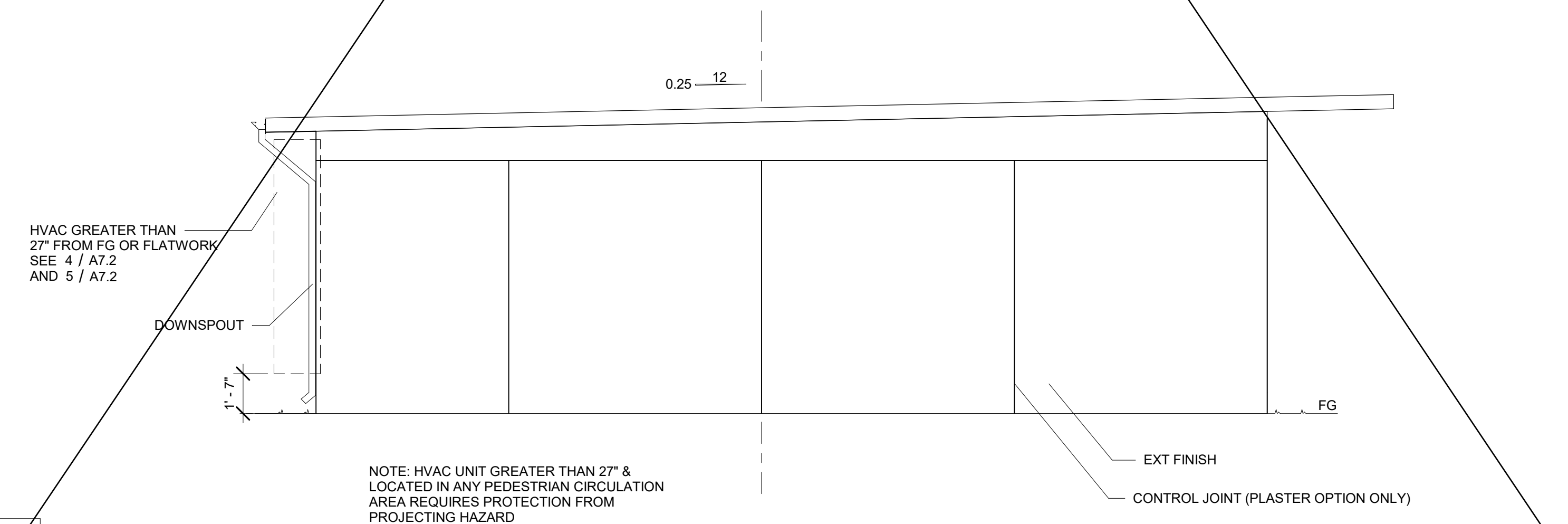
4 1/4" = 1'-0"
Right Elevation (Mono w/ Parapet)



3 1/4" = 1'-0"
Left Elevation (Mono w/ Parapet)



2 1/4" = 1'-0"
Right Elevation (Mono)



1 1/4" = 1'-0"
Left Elevation (Mono)

NOTE: HVAC UNIT GREATER THAN 27" & LOCATED IN ANY PEDESTRIAN CIRCULATION AREA REQUIRES PROTECTION FROM PROJECTING HAZARD

HVAC GREATER THAN 27" FROM FG OR FLATWORK SEE 4 / A7.2 AND 5 / A7.2

HVAC GREATER THAN 27" FROM FG OR FLATWORK SEE 4 / A7.2 AND 5 / A7.2

NOTE: HVAC UNIT GREATER THAN 27" & LOCATED IN ANY PEDESTRIAN CIRCULATION AREA REQUIRES PROTECTION FROM PROJECTING HAZARD

NOTE: HVAC UNIT GREATER THAN 27" & LOCATED IN ANY PEDESTRIAN CIRCULATION AREA REQUIRES PROTECTION FROM PROJECTING HAZARD

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STATE OF CALIFORNIA
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RST#A22088

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APP. 04-121368 PC
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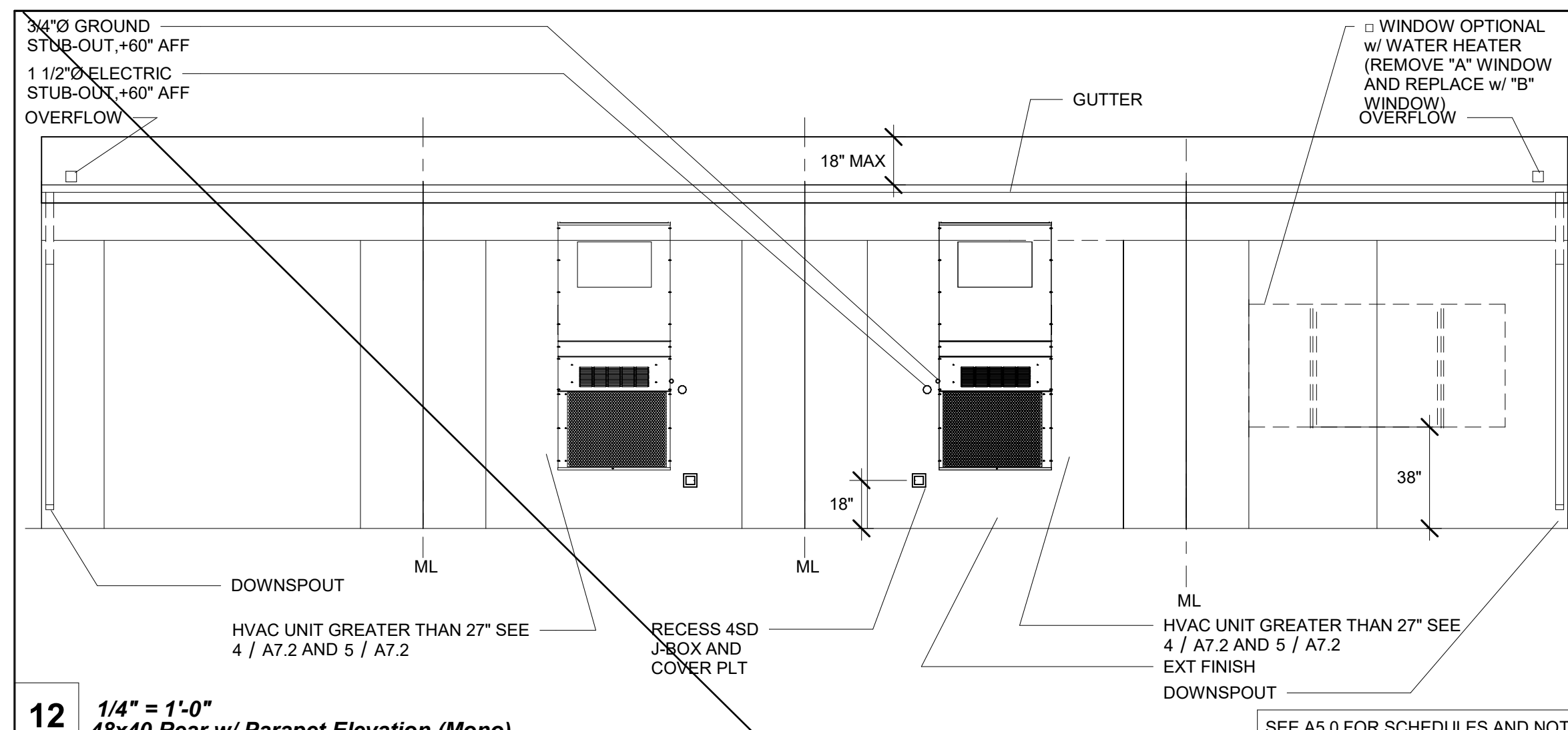
Revision Schedule		
#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

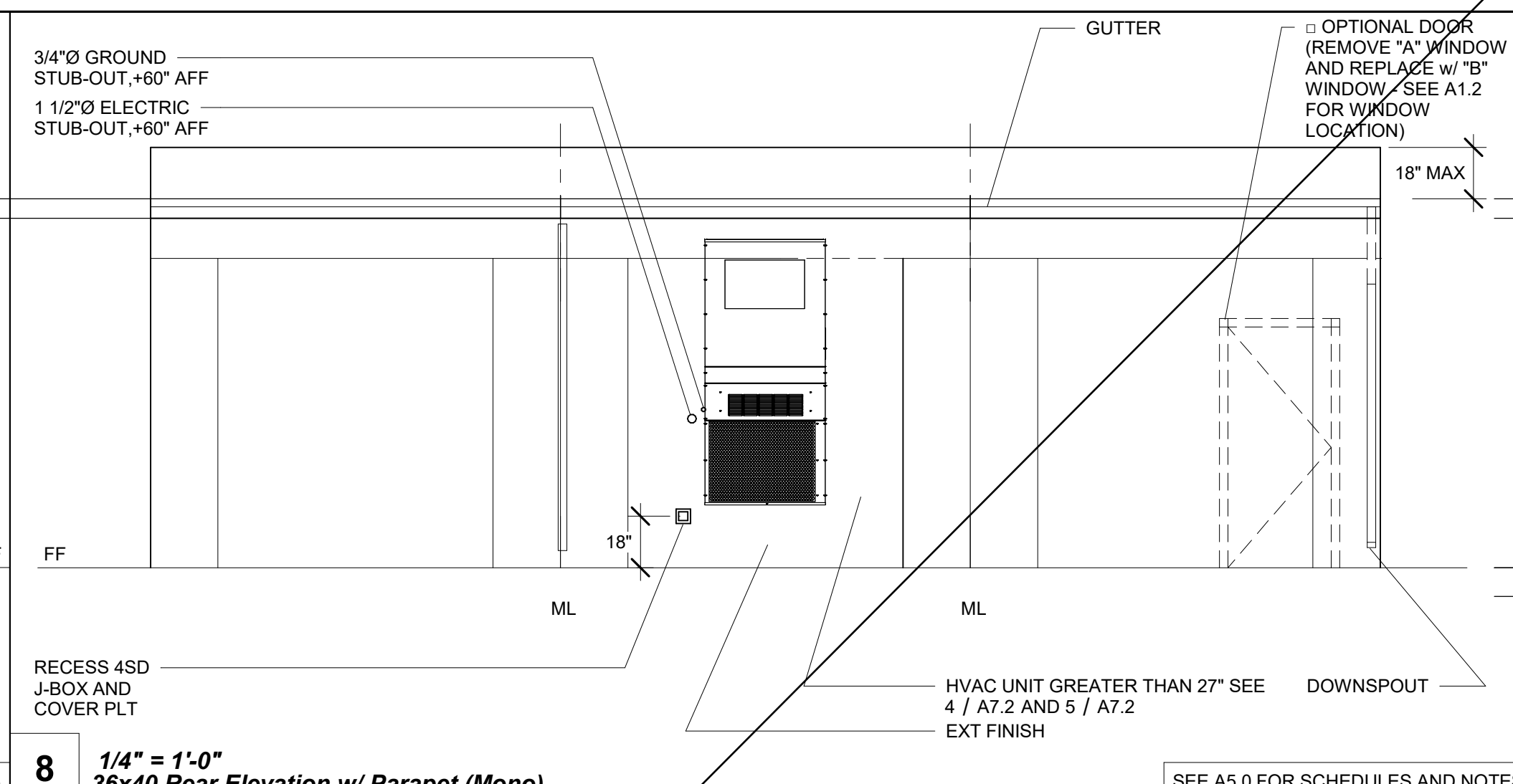
SHEET TITLE
SIDEWALL ELEVATION

PROJECT NUMBER	22088
DRAWN BY	rMc/SC
CHECKED BY	RH/RT
DATE	
SHEET NO.	A5.0
SHEET OF	



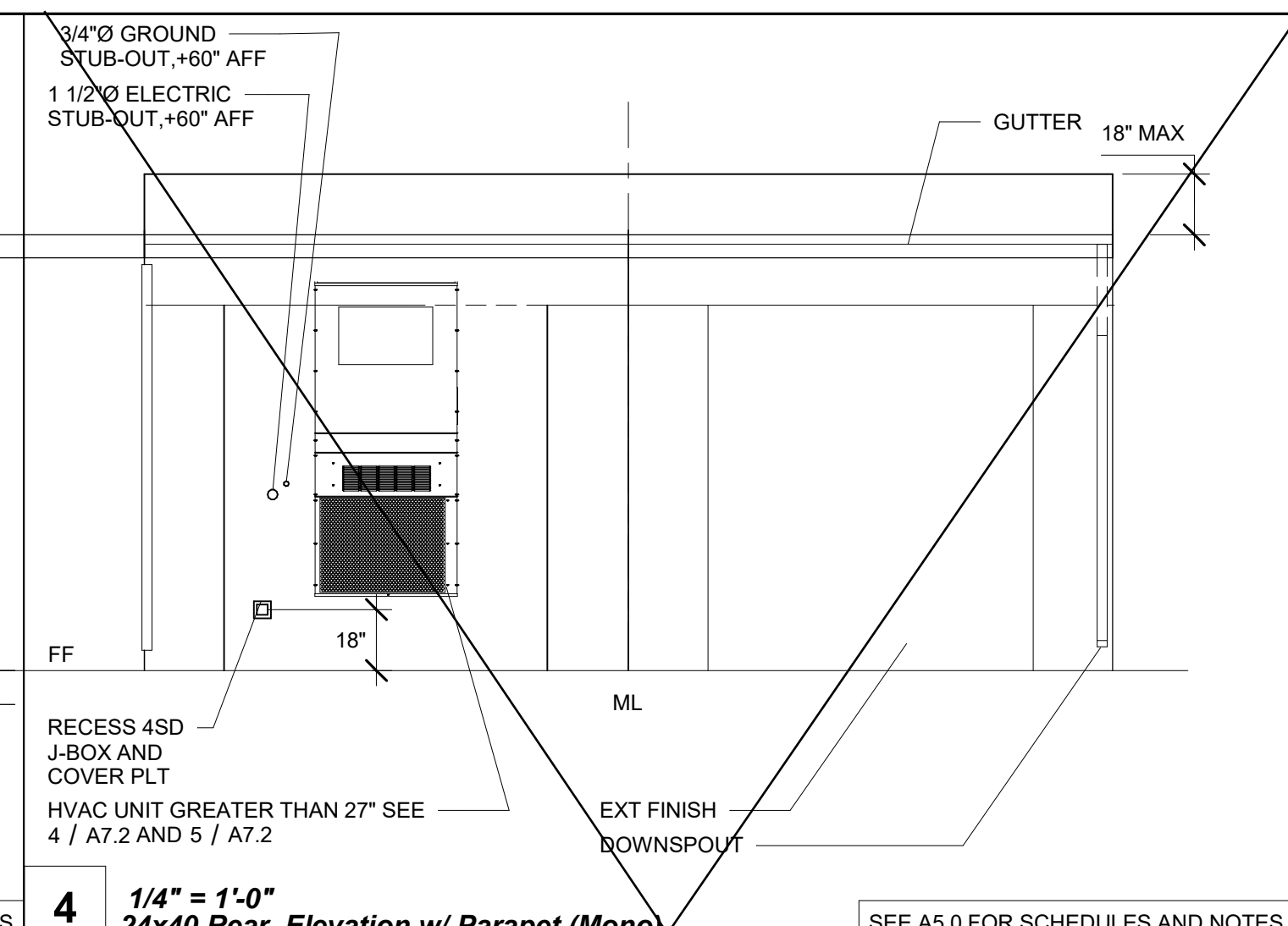
12 1/4" = 1'-0"
48x40 Rear w/ Parapet Elevation (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



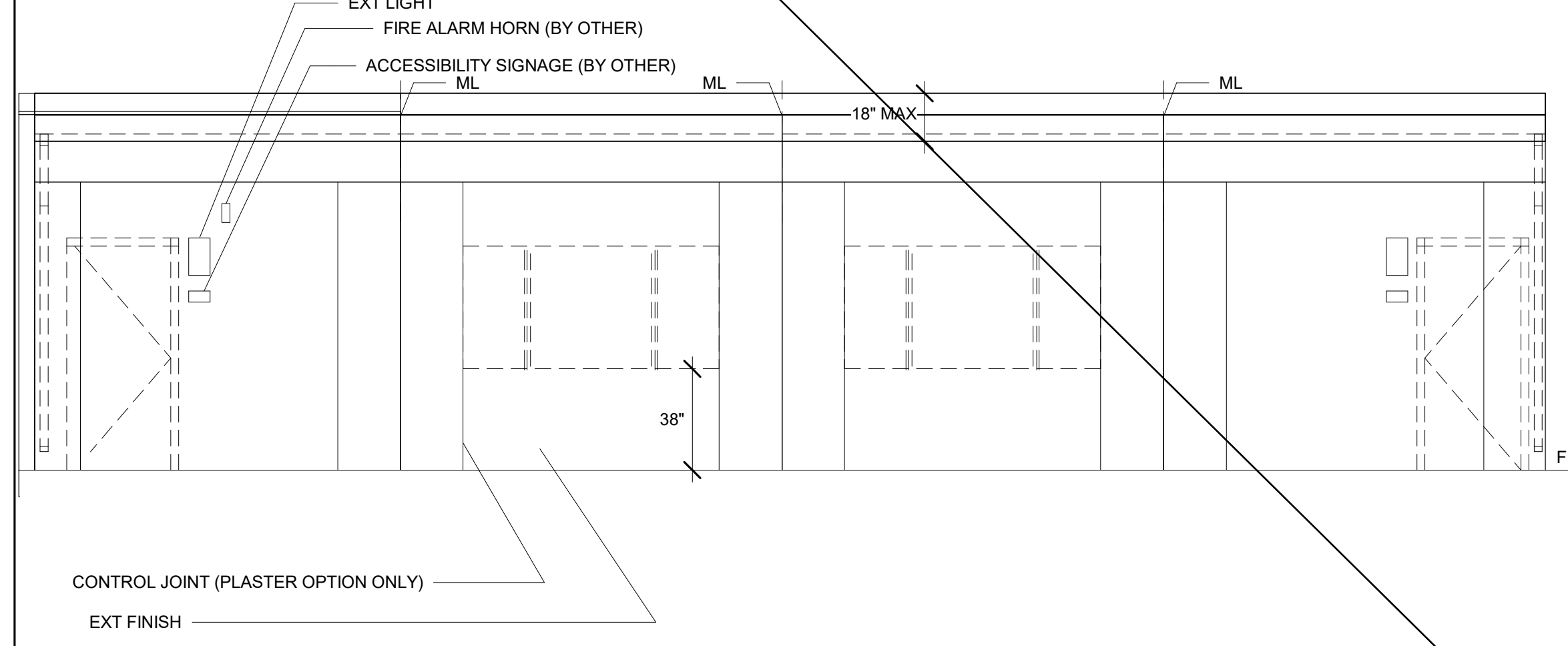
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36x40 Rear Elevation w/ Parapet (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



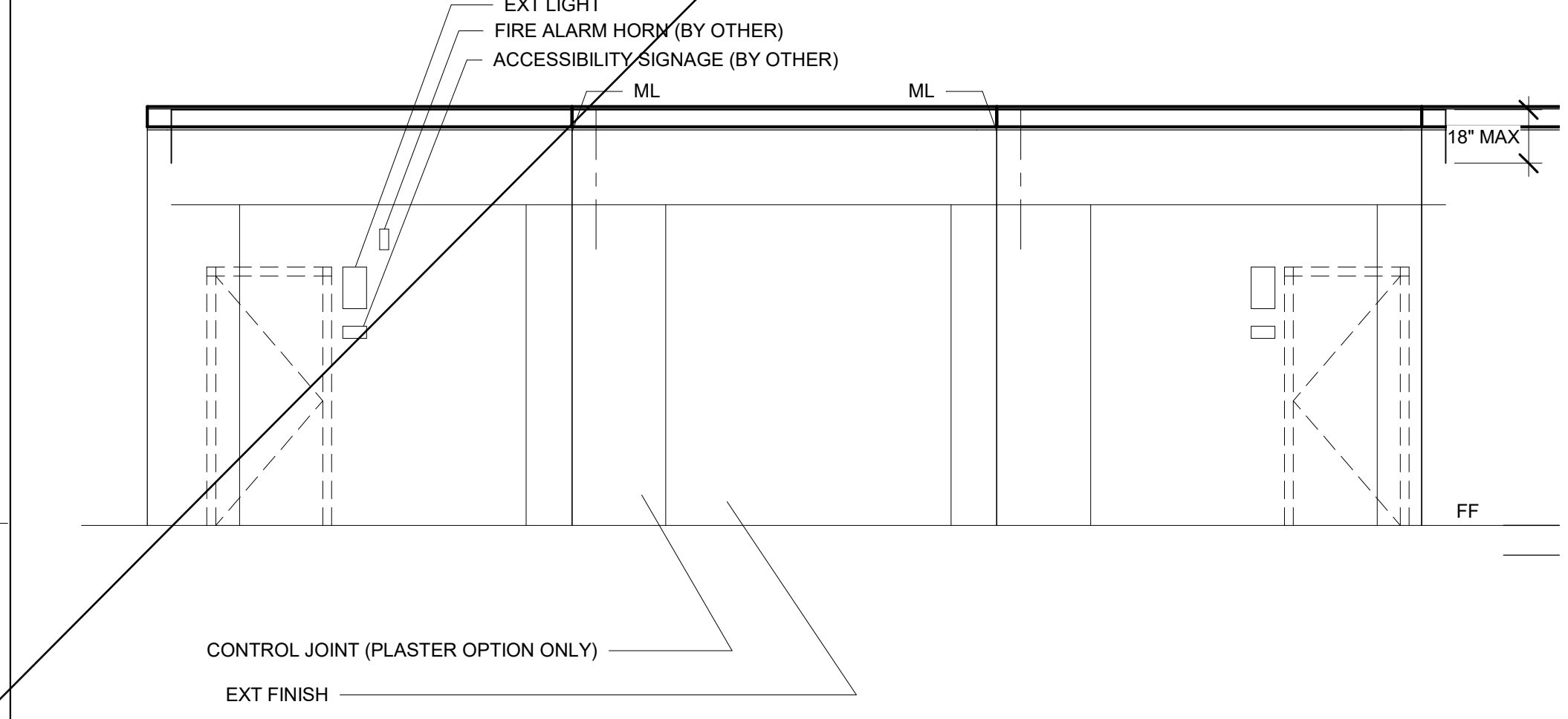
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24x40 Rear Elevation w/ Parapet (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



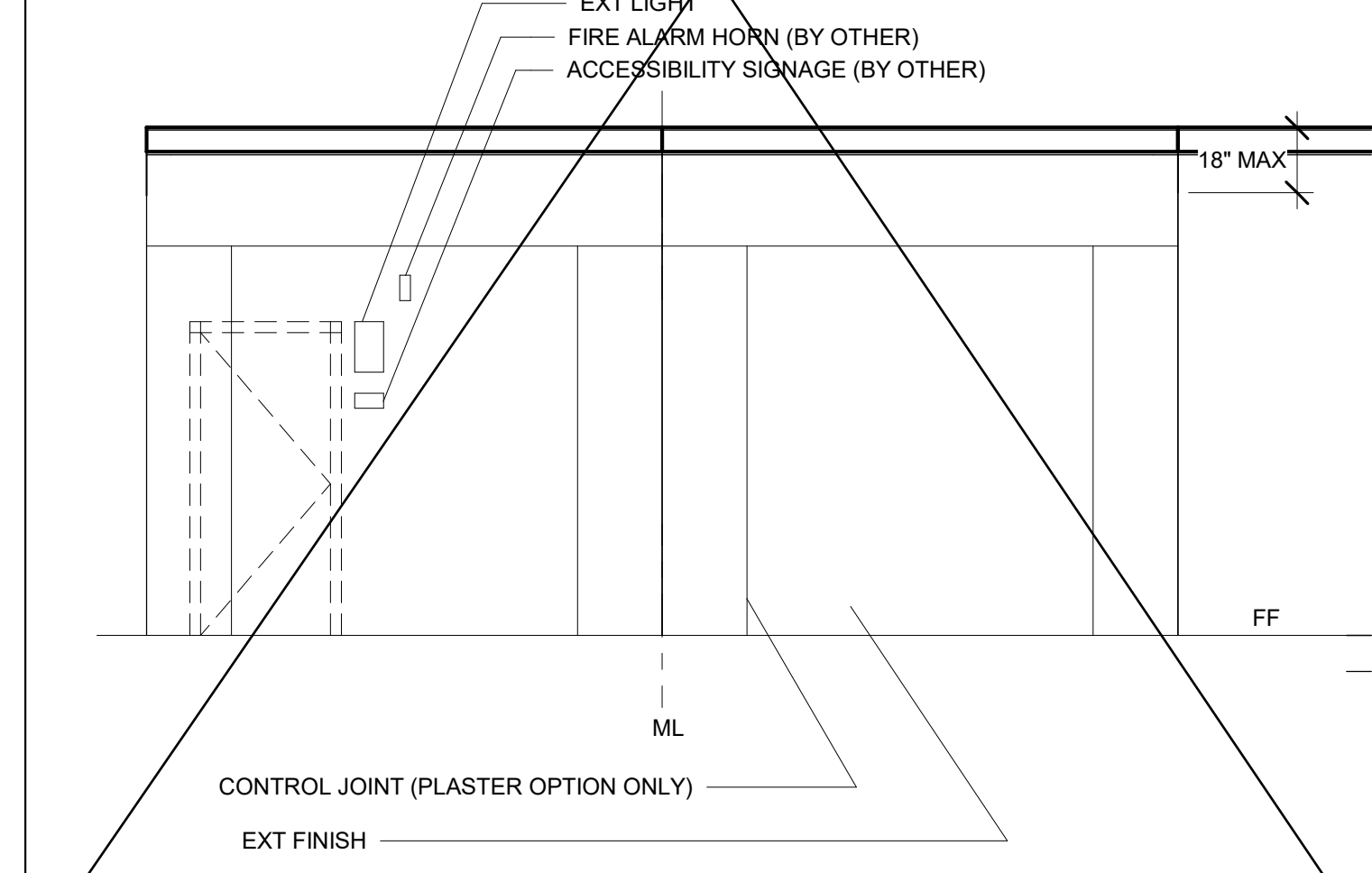
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48x40 Front w/ Parapet Elevation (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



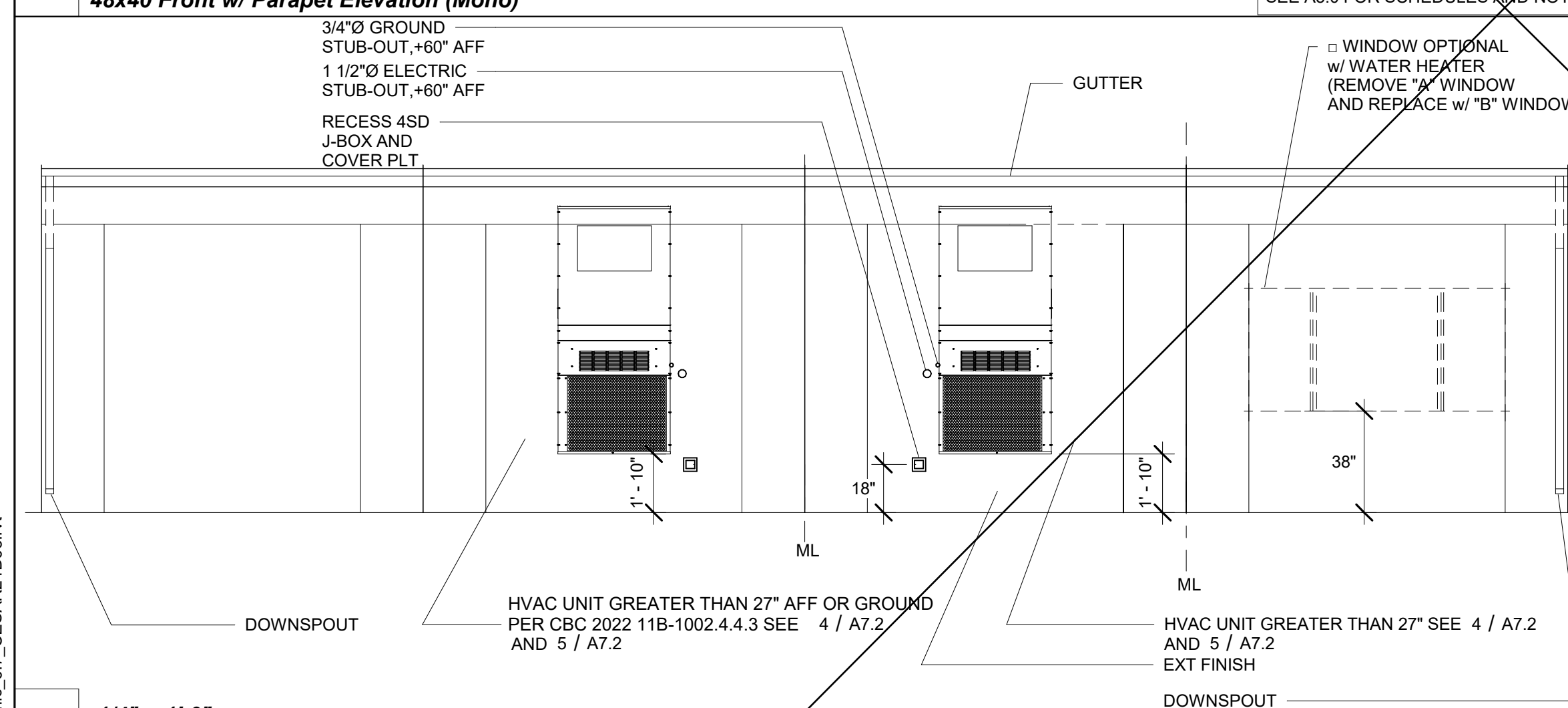
7 1/4" = 1'-0"
36x40 Front Elevation w/ Parapet (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



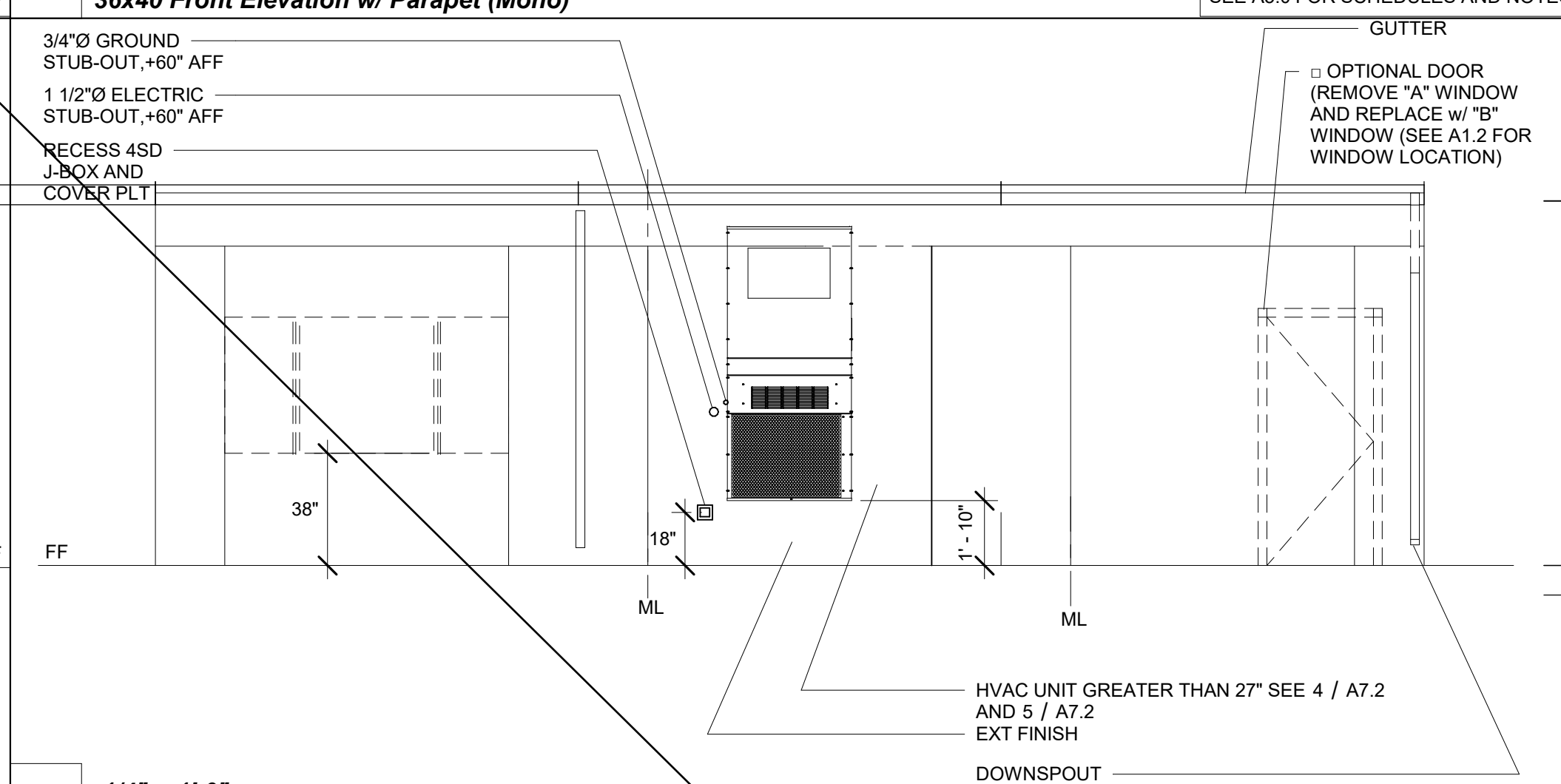
3 1/4" = 1'-0"
24x40 Front Elevation w/ Parapet (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



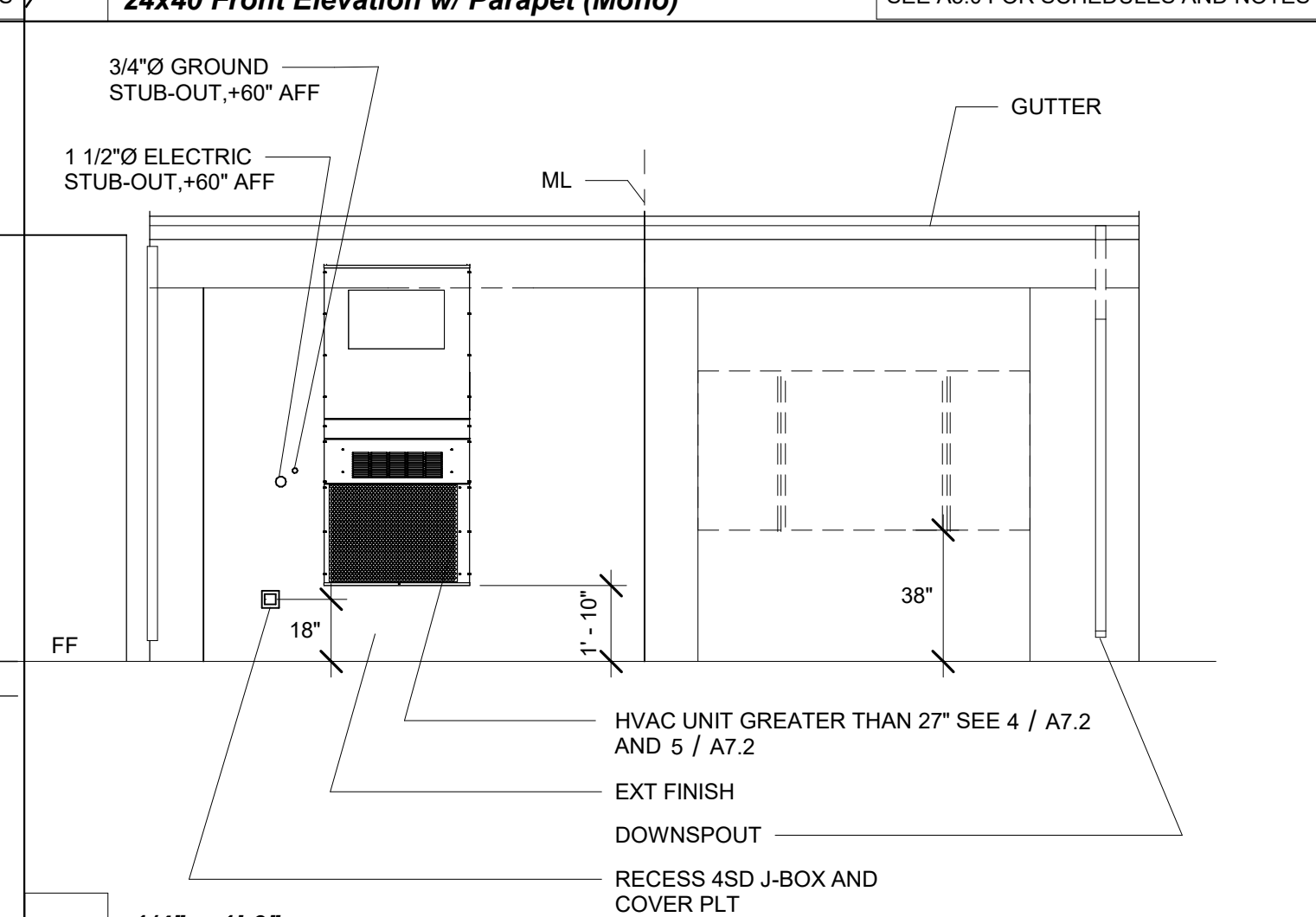
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48x40 Rear Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



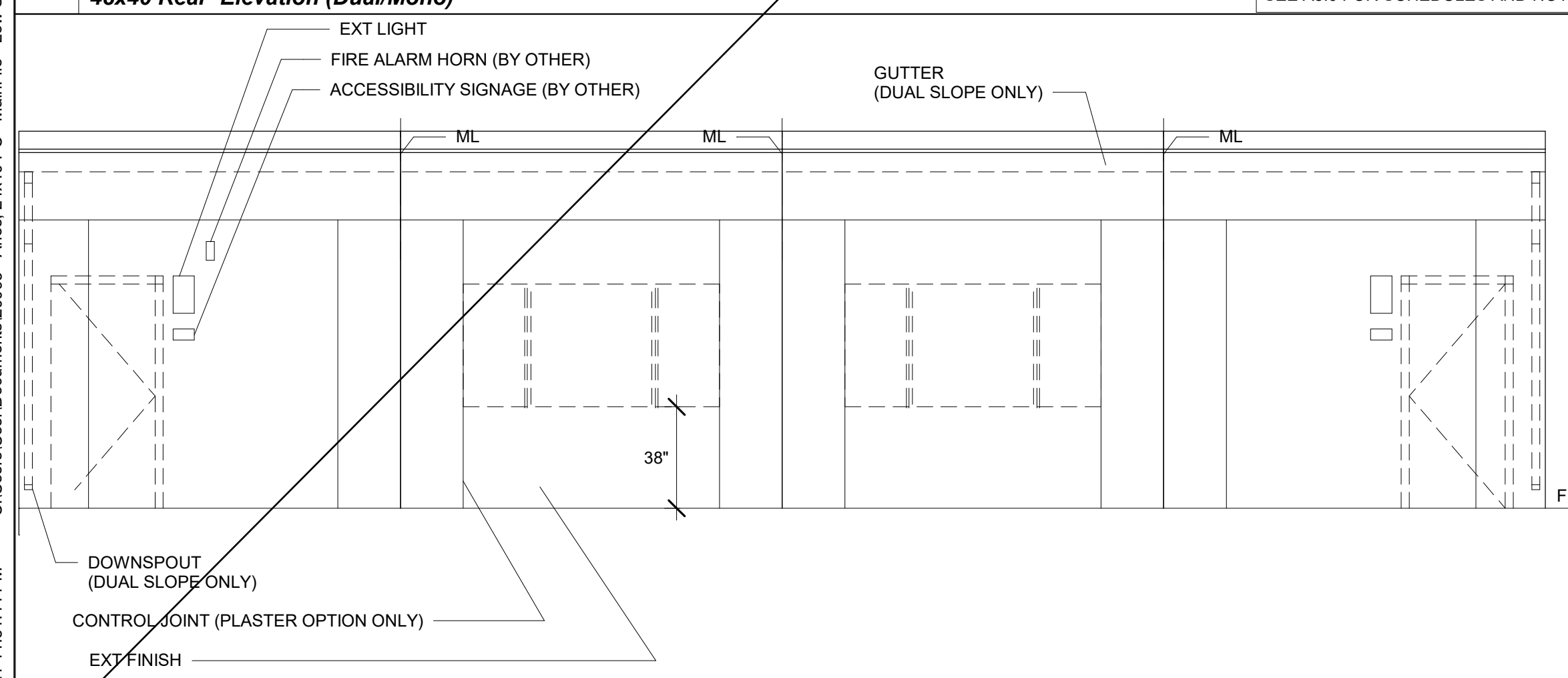
6 1/4" = 1'-0"
36x40 Rear Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



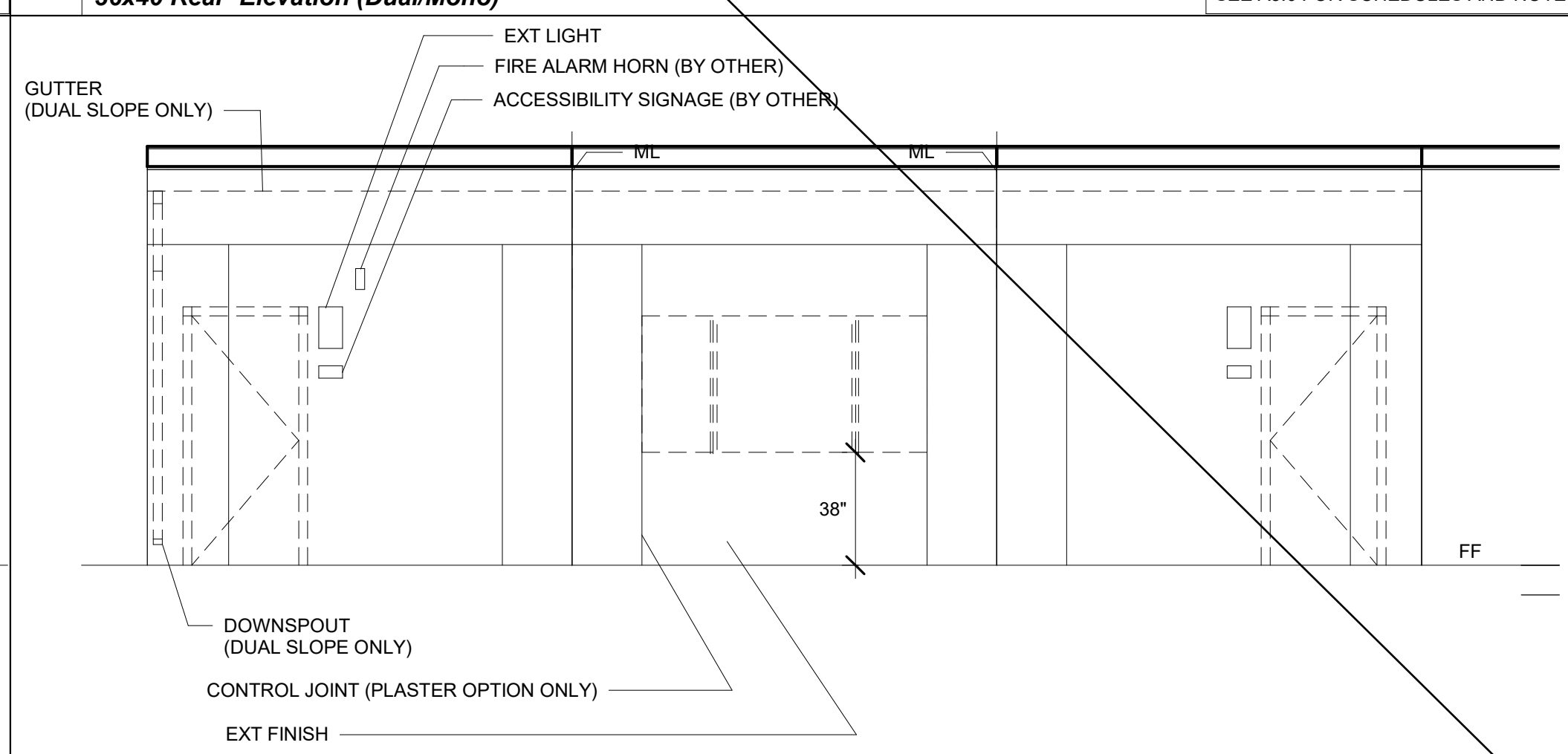
2 1/4" = 1'-0"
24x40 Rear Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



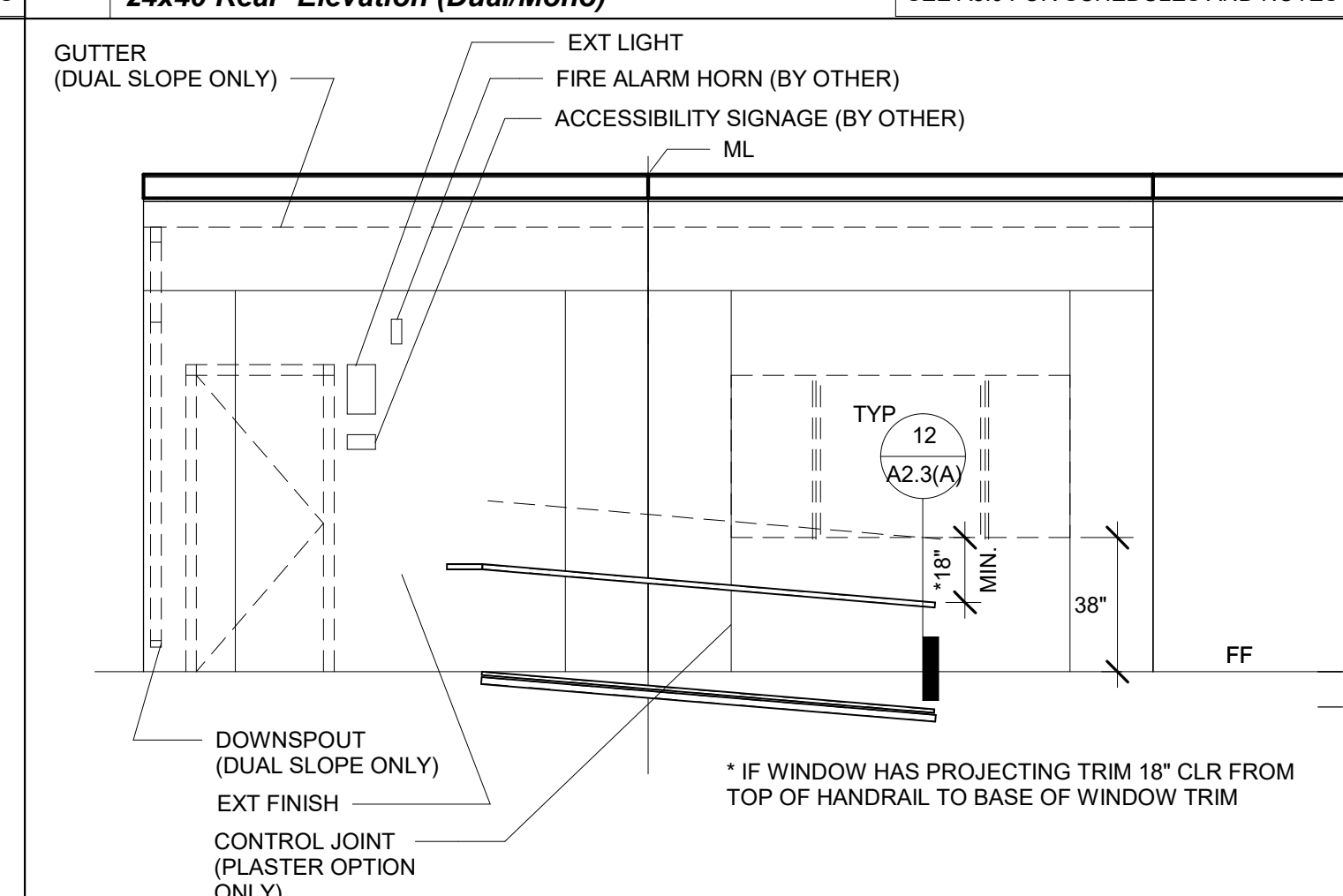
9 1/4" = 1'-0"
48x40 Front Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



5 1/4" = 1'-0"
36x40 Front Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



1 1/4" = 1'-0"
24x40 Front Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES

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03/31/24
STATE OF CALIFORNIA
05/24/23
RST#22088

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CLIENT

Class Leasing
1320 W. Oleander Ave. Perris CA 92571-7408
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
**PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'**

SHEET TITLE
**ENDWALL
ELEVATIONS**

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

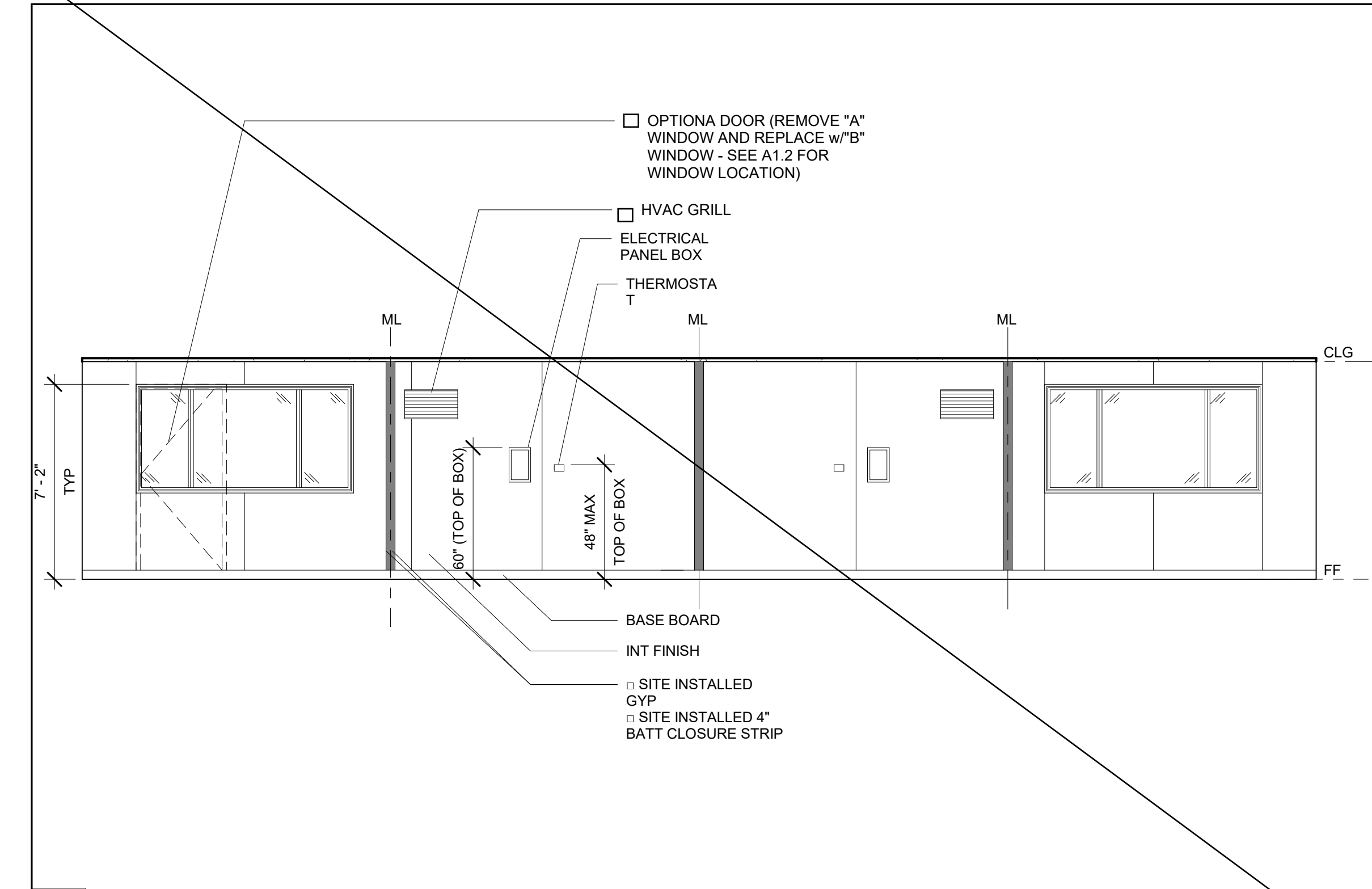
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SHEET NO.
A5.1

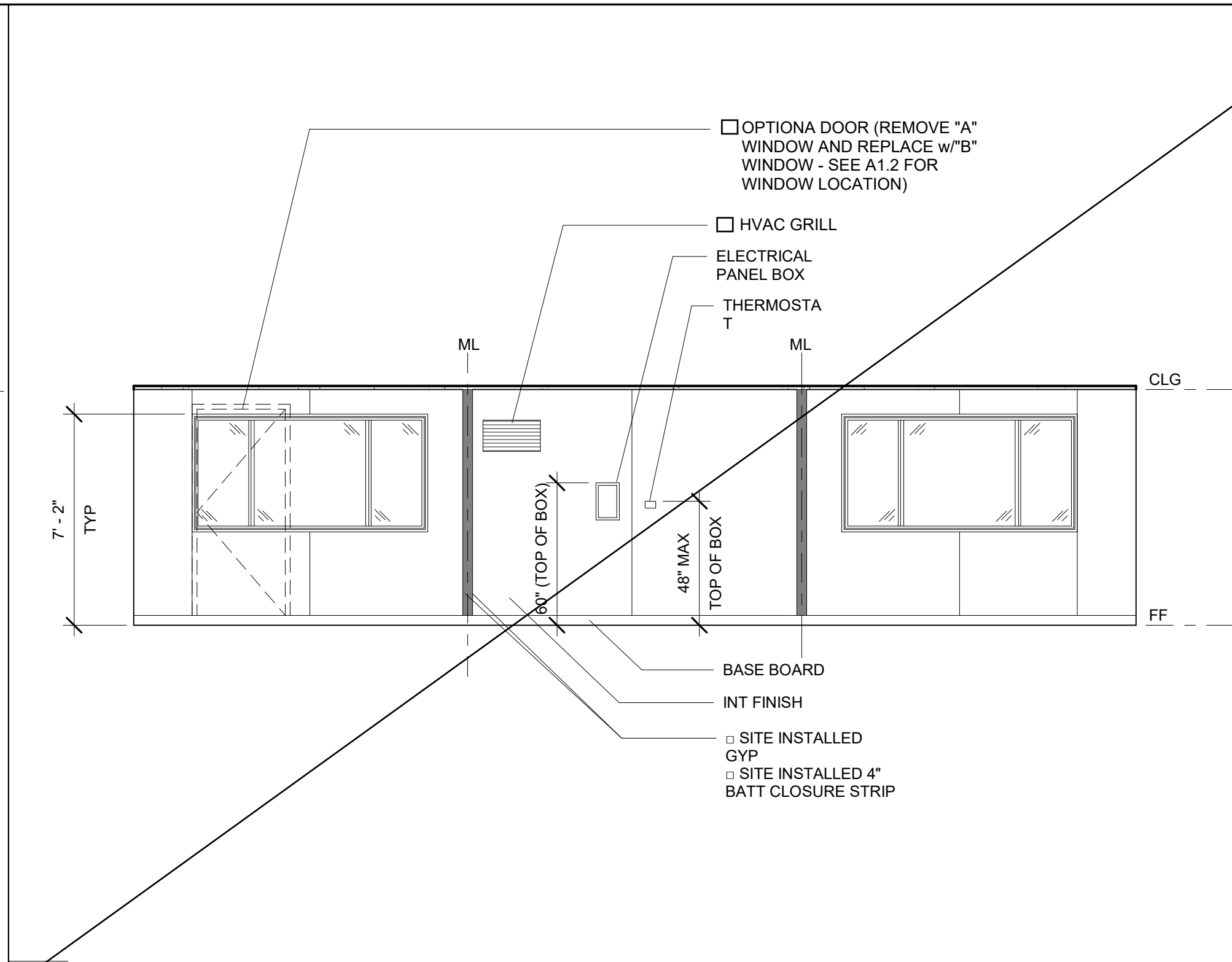
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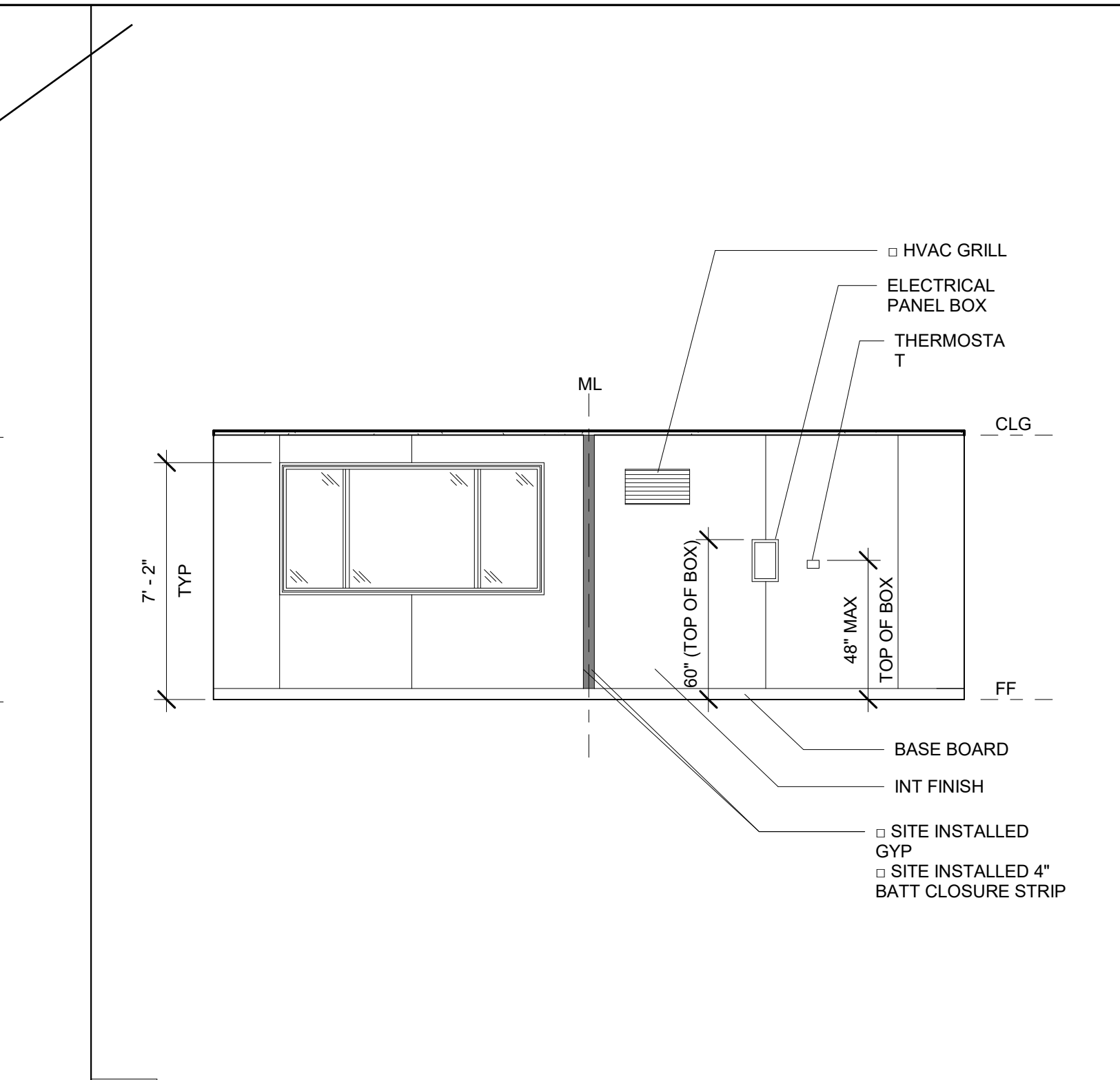
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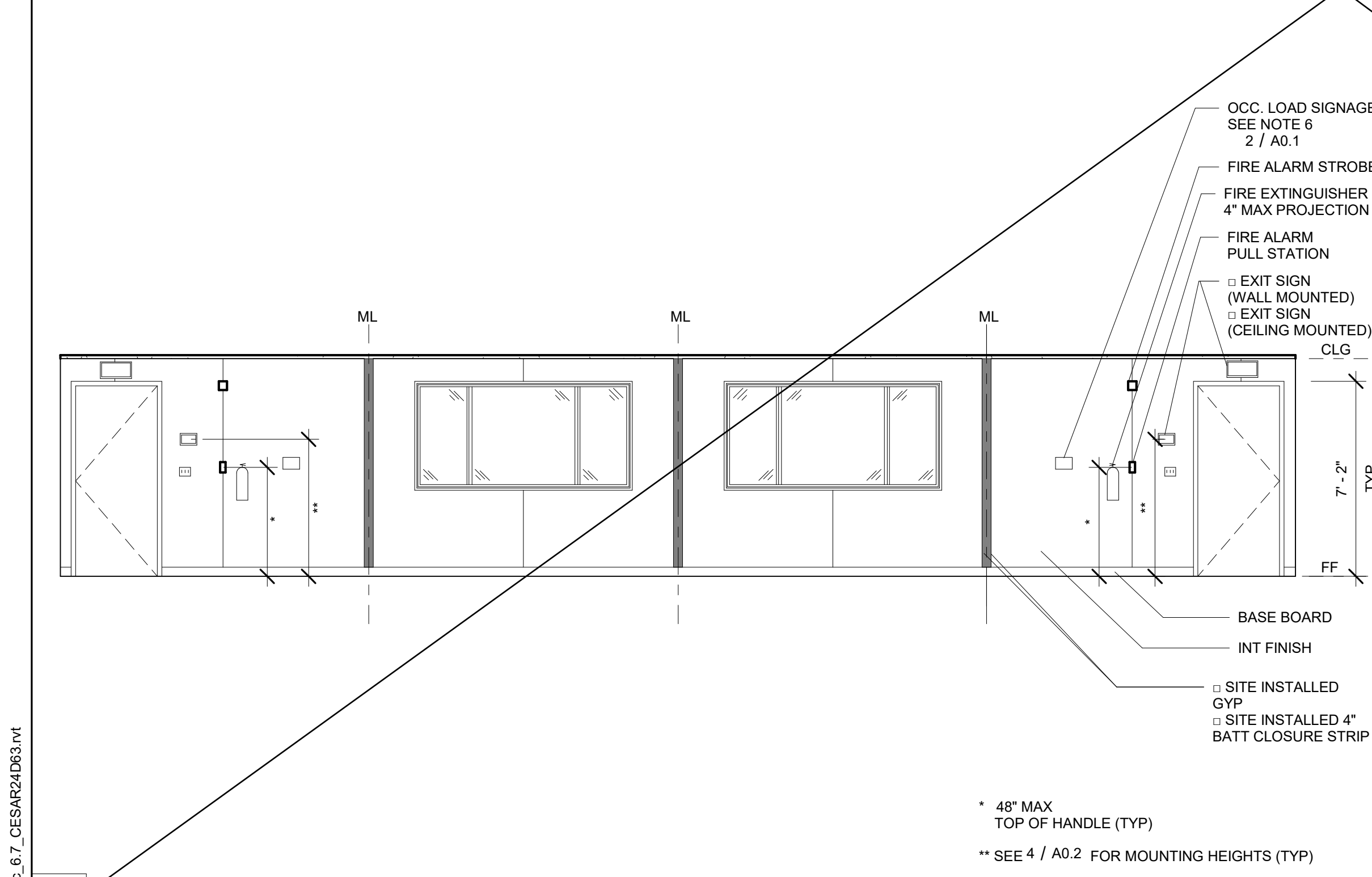
7 1/4" = 1'-0"
48x40 Rear Interior Elevation



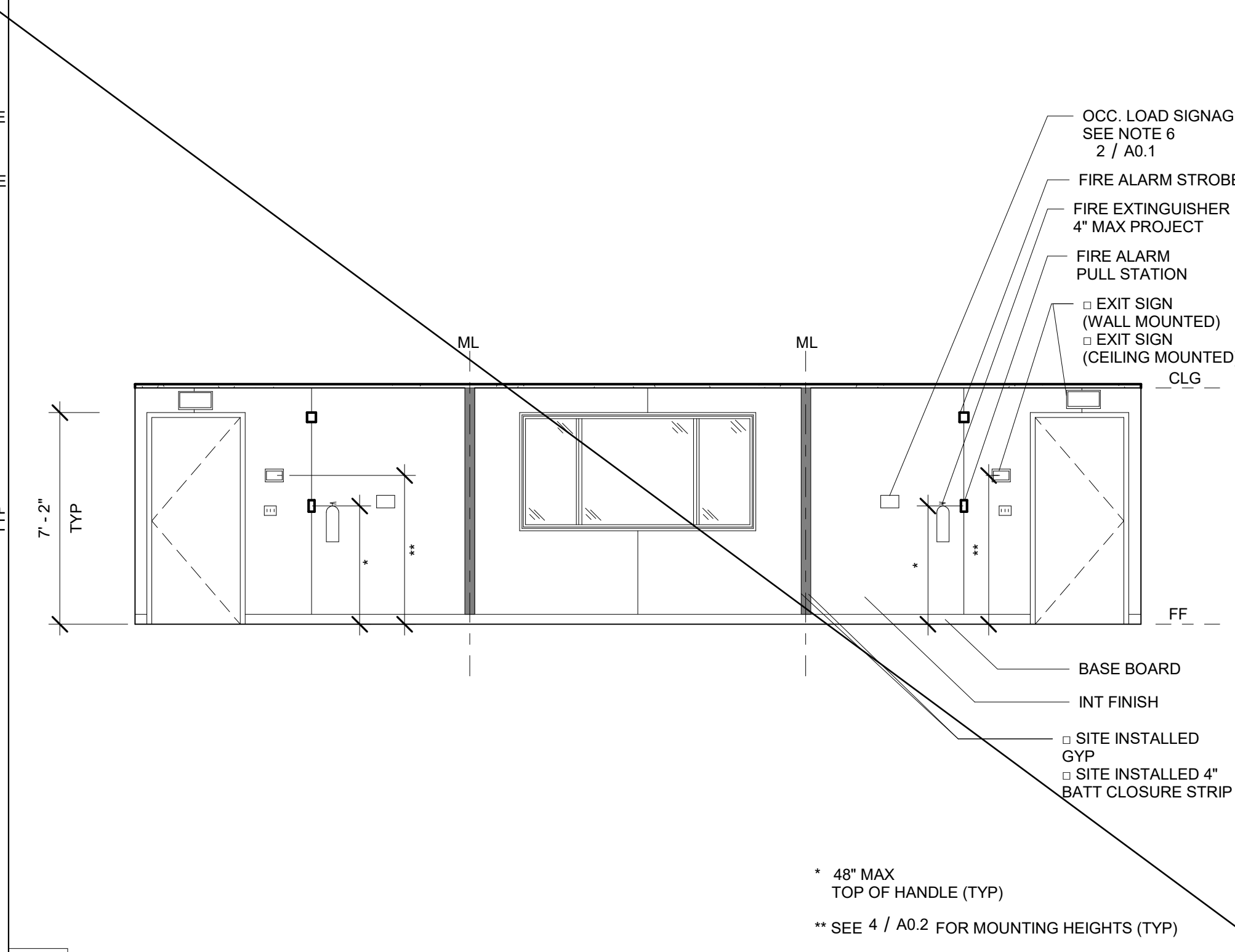
6 1/4" = 1'-0"
36x40 Rear Interior Elevation



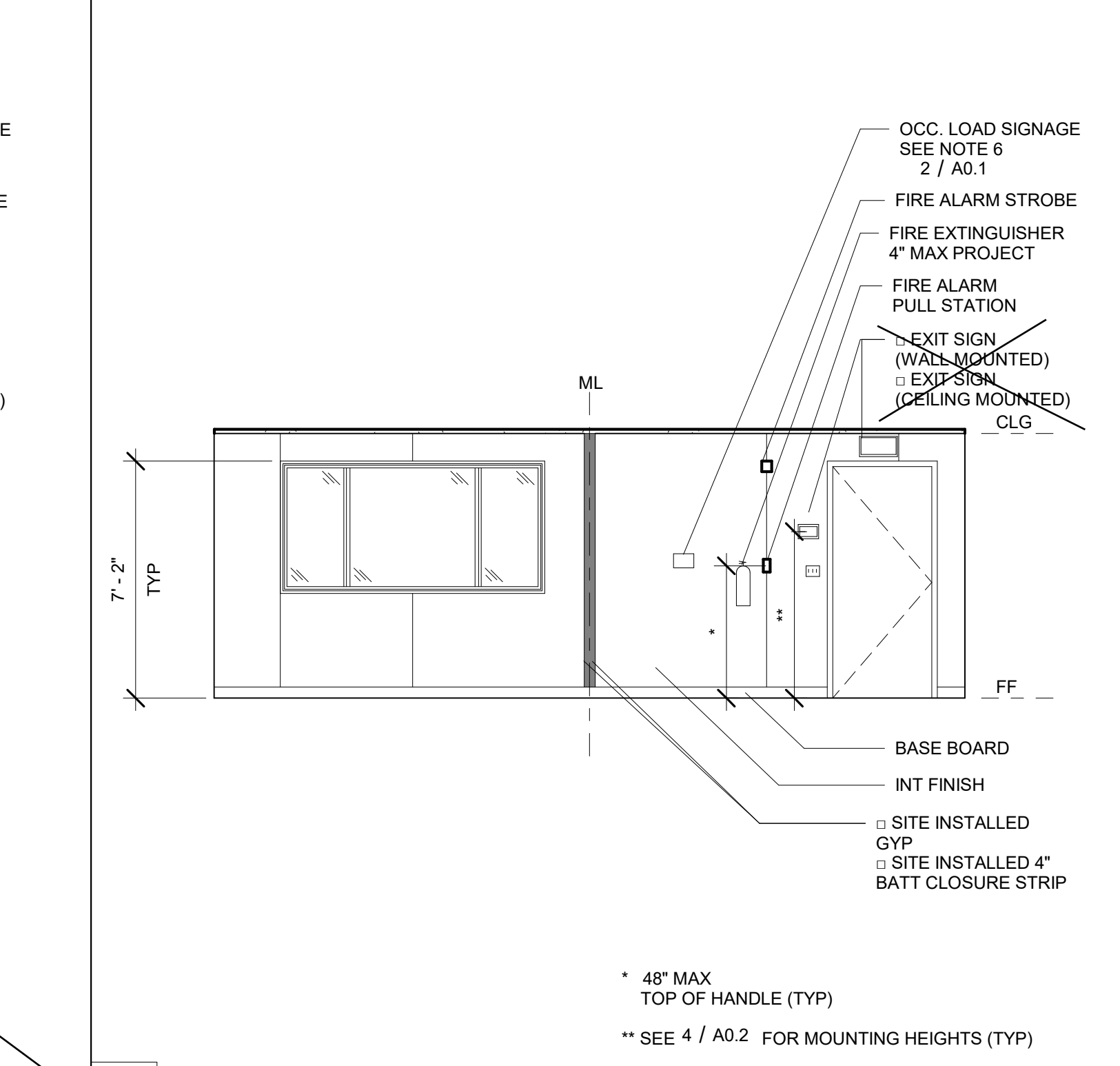
4 1/4" = 1'-0"
24x40 Rear Interior Elevation



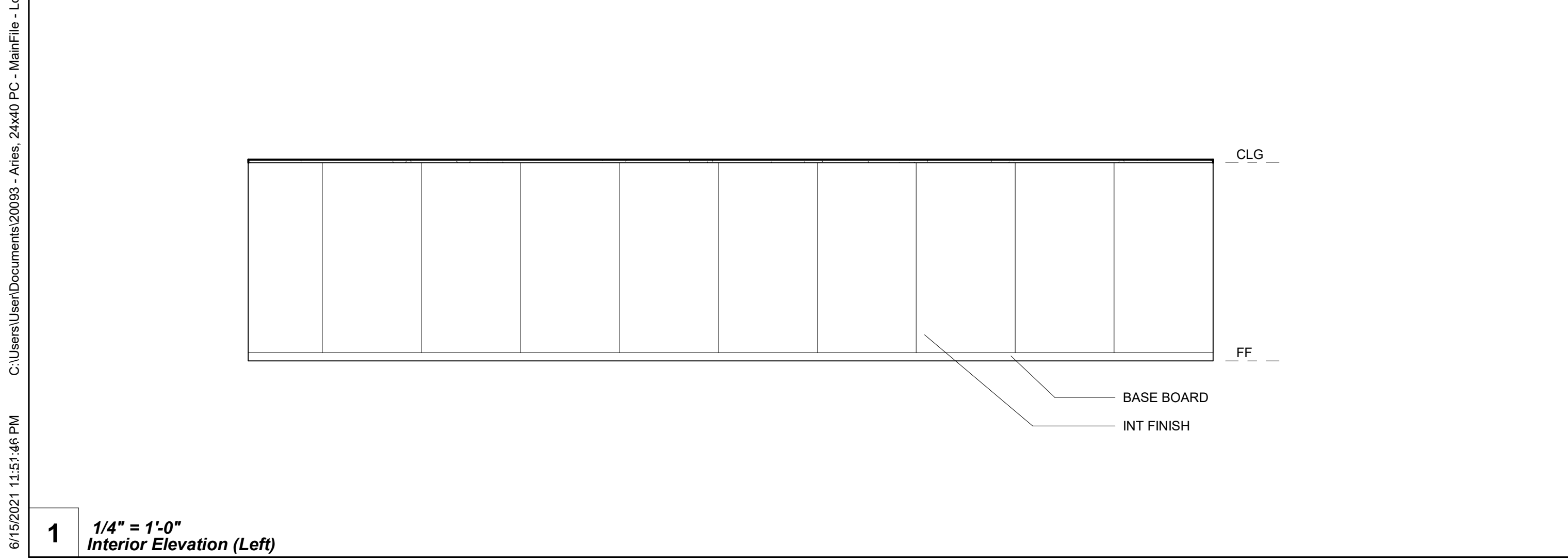
8 1/4" = 1'-0"
48x40 Front Interior Elevation



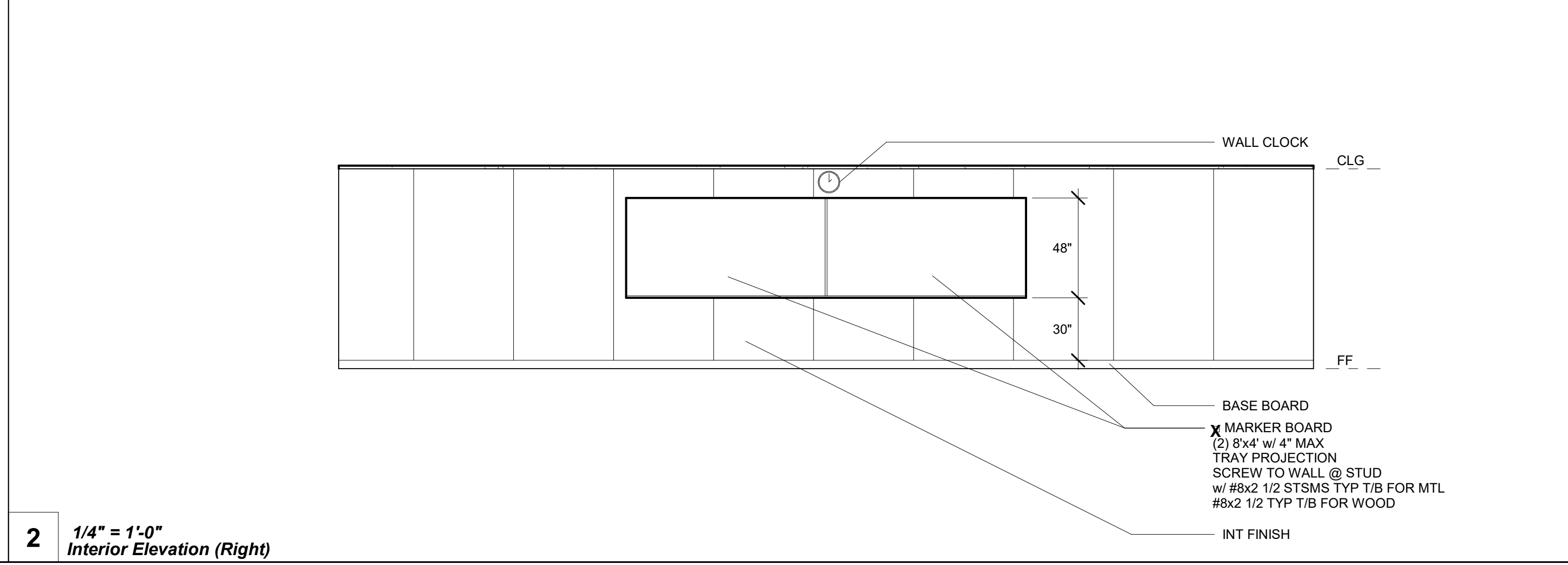
5 1/4" = 1'-0"
36x40 Front Interior Elevation



3 1/4" = 1'-0"
24x40 Front Interior Elevation



1 1/4" = 1'-0"
Interior Elevation (Left)



2 1/4" = 1'-0"
Interior Elevation (Right)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-122805 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/28/2023

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING & PROJECT MGT
11500 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
MANNY D. FRIEDL
03380
03/31/24
CALIFORNIA
STATE OF CALIFORNIA
05/24/23
RST#22088

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1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
INTERIOR ELEVATIONS

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

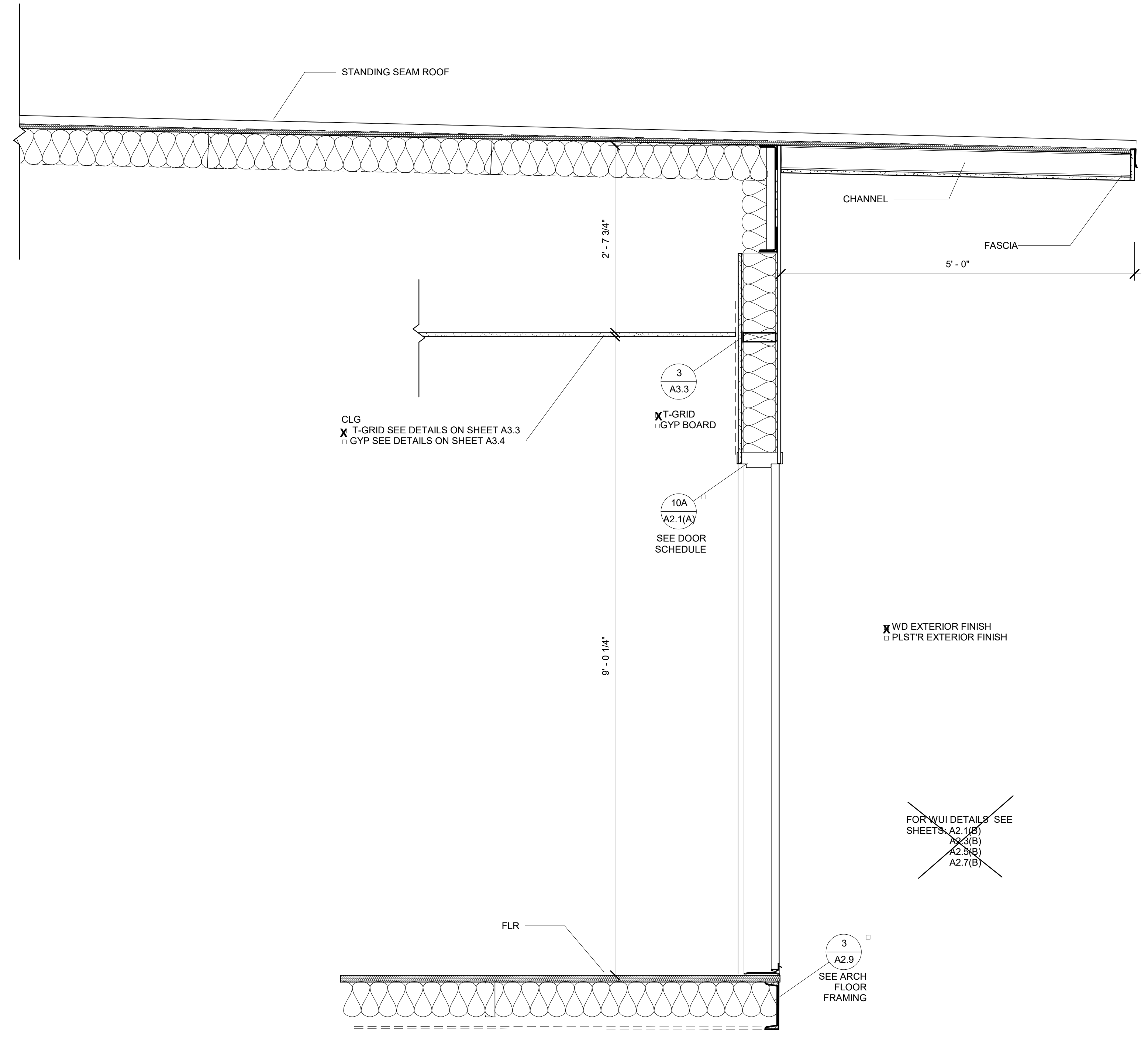
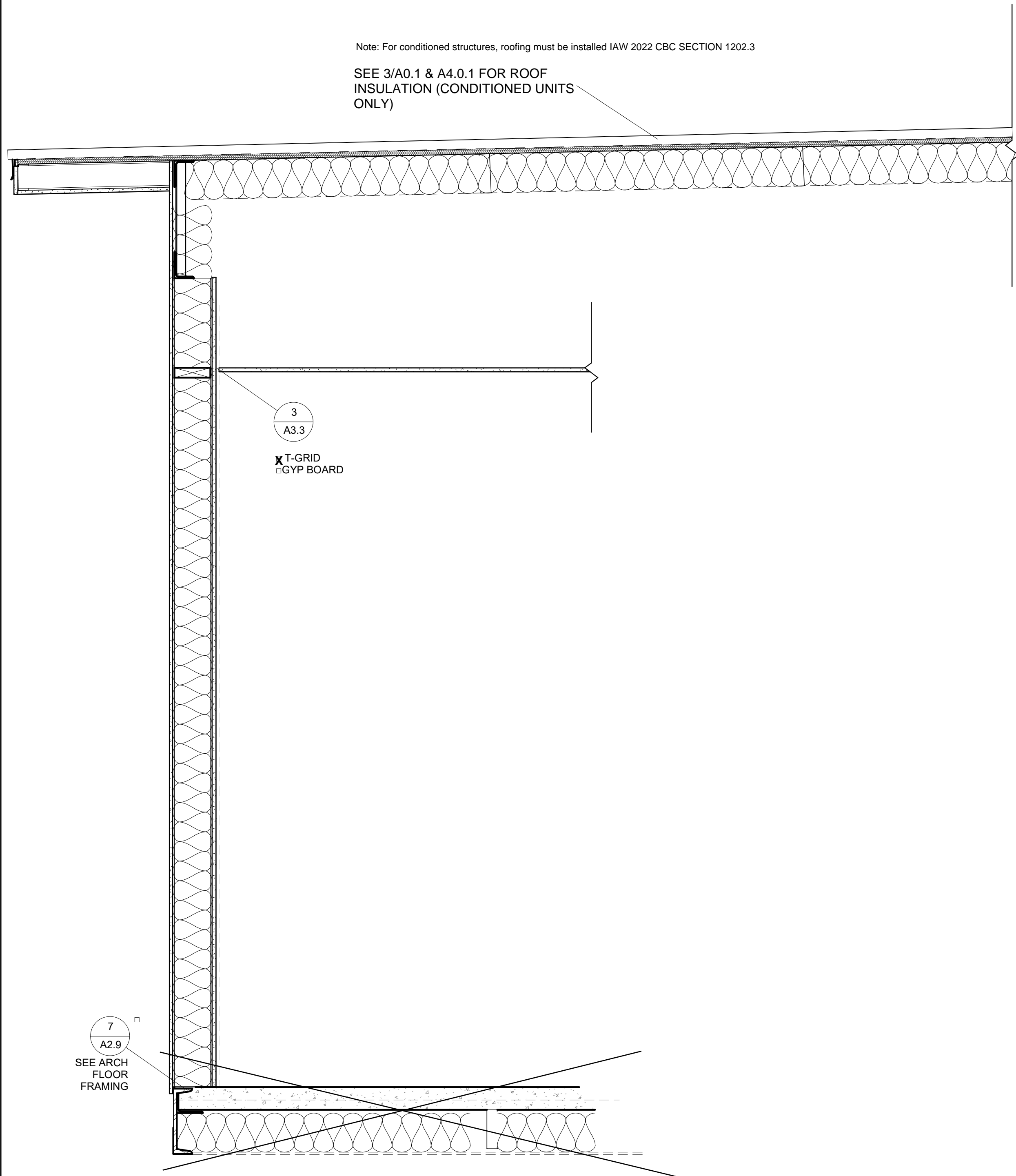
DATE

SHEET NO.
A5.2

SHEET OF

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Note: For conditioned structures, roofing must be installed IAW 2022 CBC SECTION 1202.3
 SEE 3/A0.1 & A4.0.1 FOR ROOF INSULATION (CONDITIONED UNITS ONLY)



PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 04-122805 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/28/2023

R&S TAVARES ASSOCIATES
 DESIGN & CONSULTING & PROJECT MGT
 11500 W BERNHARD COURT, SUITE 100
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REGISTERED PROFESSIONAL ARCHITECT
 MANNY D. FERRER
 63380
 03/31/24
 PC TURKEY
 STATE OF CALIFORNIA
 05/24/23
 RST#22088

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 SS FLS ACS CG
 DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
SECTION - STANDING SEAM (DUAL)

PROJECT NUMBER	22088
DRAWN BY	rMc/SC
CHECKED BY	RH/RT
DATE	
SHEET NO.	A6.0.1
SHEET OF	

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 DIV. OF THE STATE ARCHITECT
 APP. 04-122805 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/28/2023



PROFESSIONAL STAMP

 REGISTERED PROFESSIONAL ENGINEER
 MANNY D. FRANCHI
 63380
 03/31/24
 STATE OF CALIFORNIA
 RST#22088
 05/24/23

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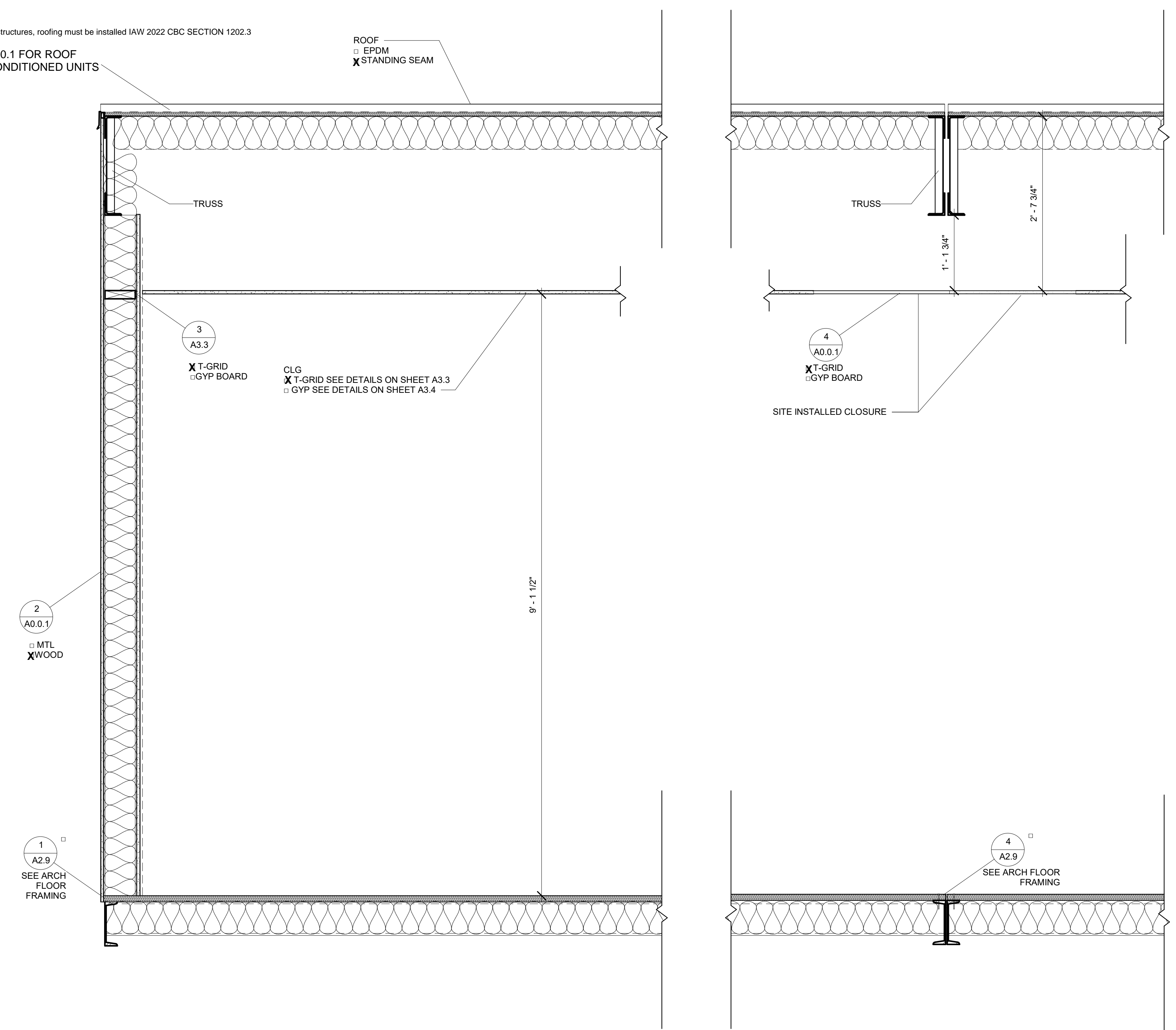
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 DIV. OF THE STATE ARCHITECT
 APP: 04-121368 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/22/2023

Revision Schedule		
#	Description	Date
PRE-CHECK (PC) DOCUMENT Code: 2022 CBC A separate project application for construction is required		
PROJECT TITLE PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'		

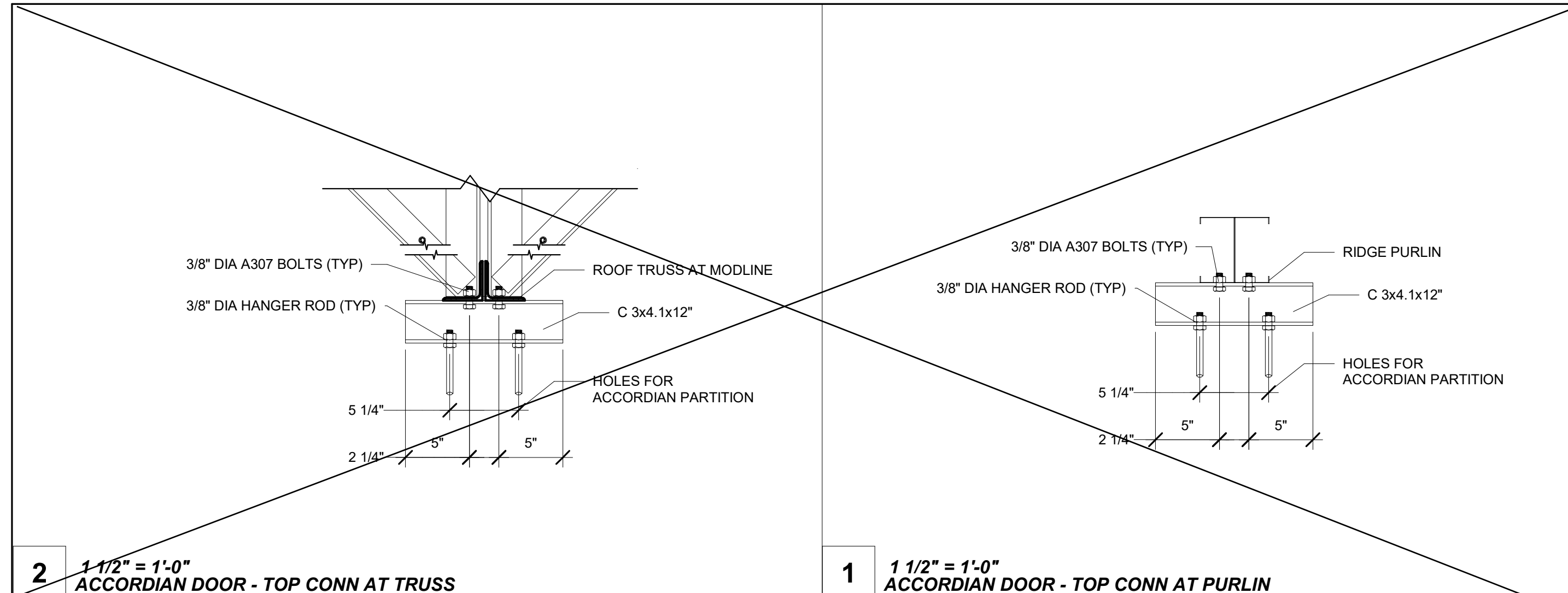
SHEET TITLE
SECTION

PROJECT NUMBER
22088
 DRAWN BY
rMc/SC
 CHECKED BY
RH/RT
 DATE
 SHEET NO.
A6.2
 SHEET OF

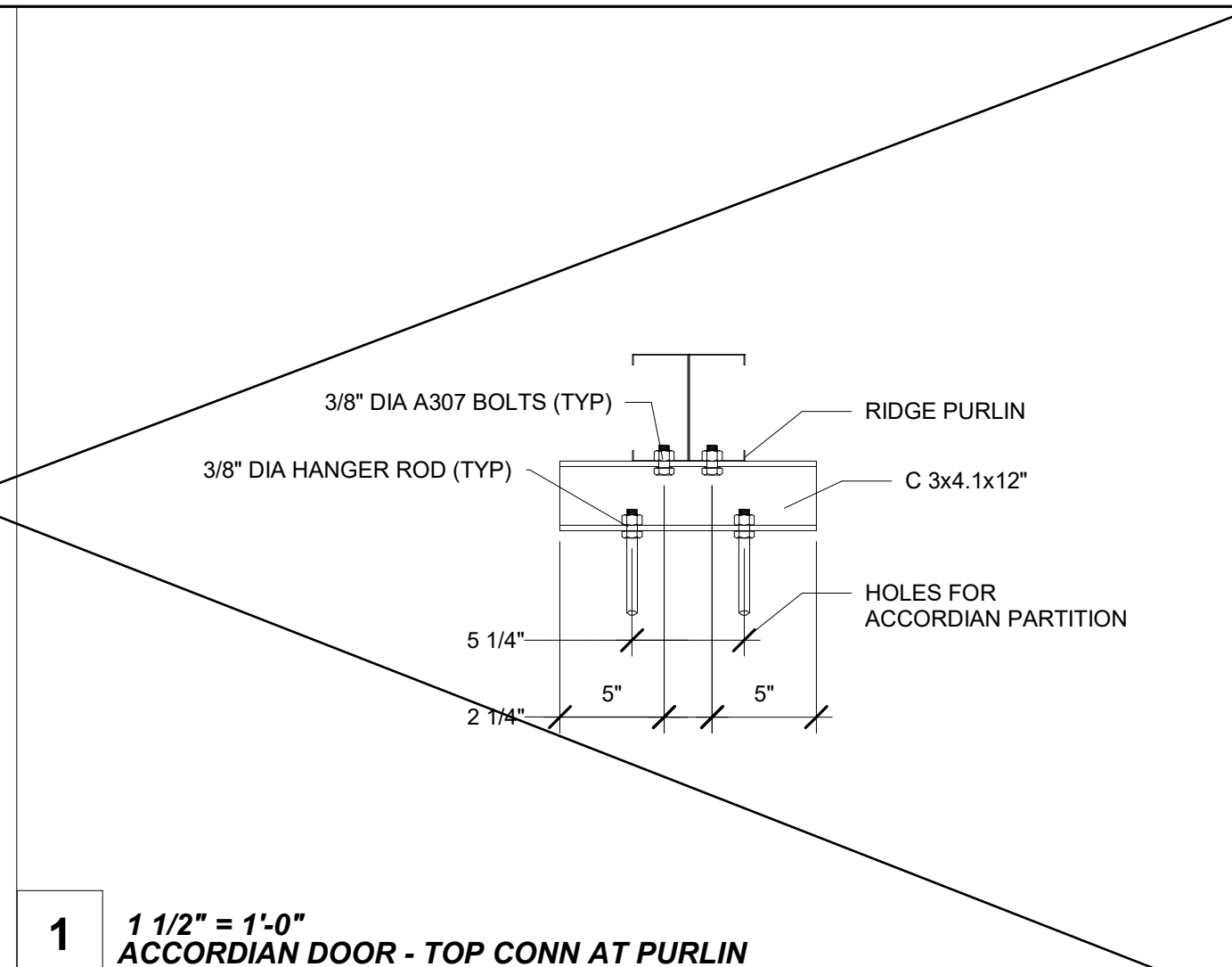
Note: For conditioned structures, roofing must be installed IAW 2022 CBC SECTION 1202.3
 SEE 3/A0.1 & A4.0.1 FOR ROOF INSULATION (CONDITIONED UNITS ONLY)



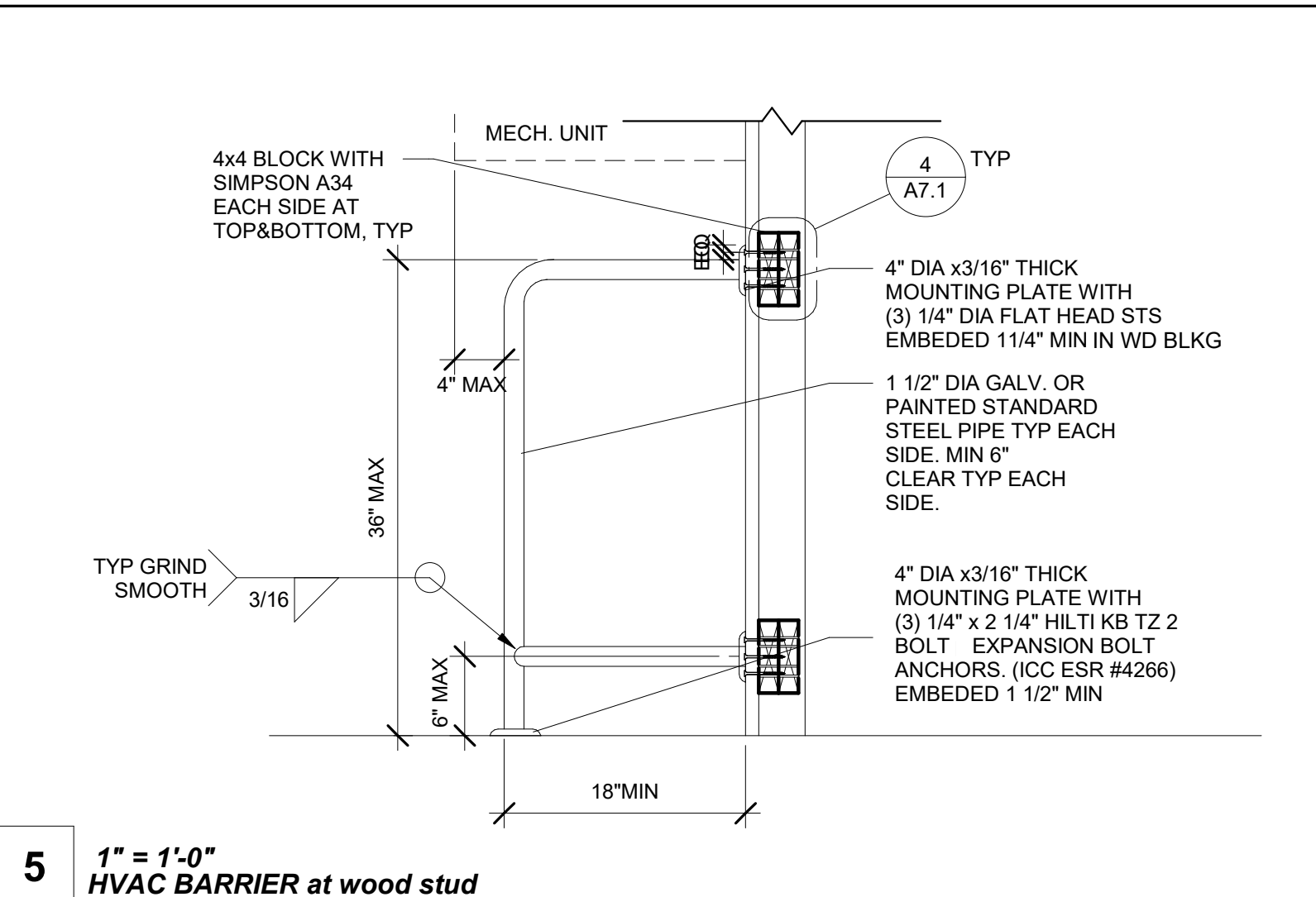
~~FOR WUI DETAILS SEE SHEETS: A2.1(B), A2.3(B), A2.5(B), A2.7(B)~~



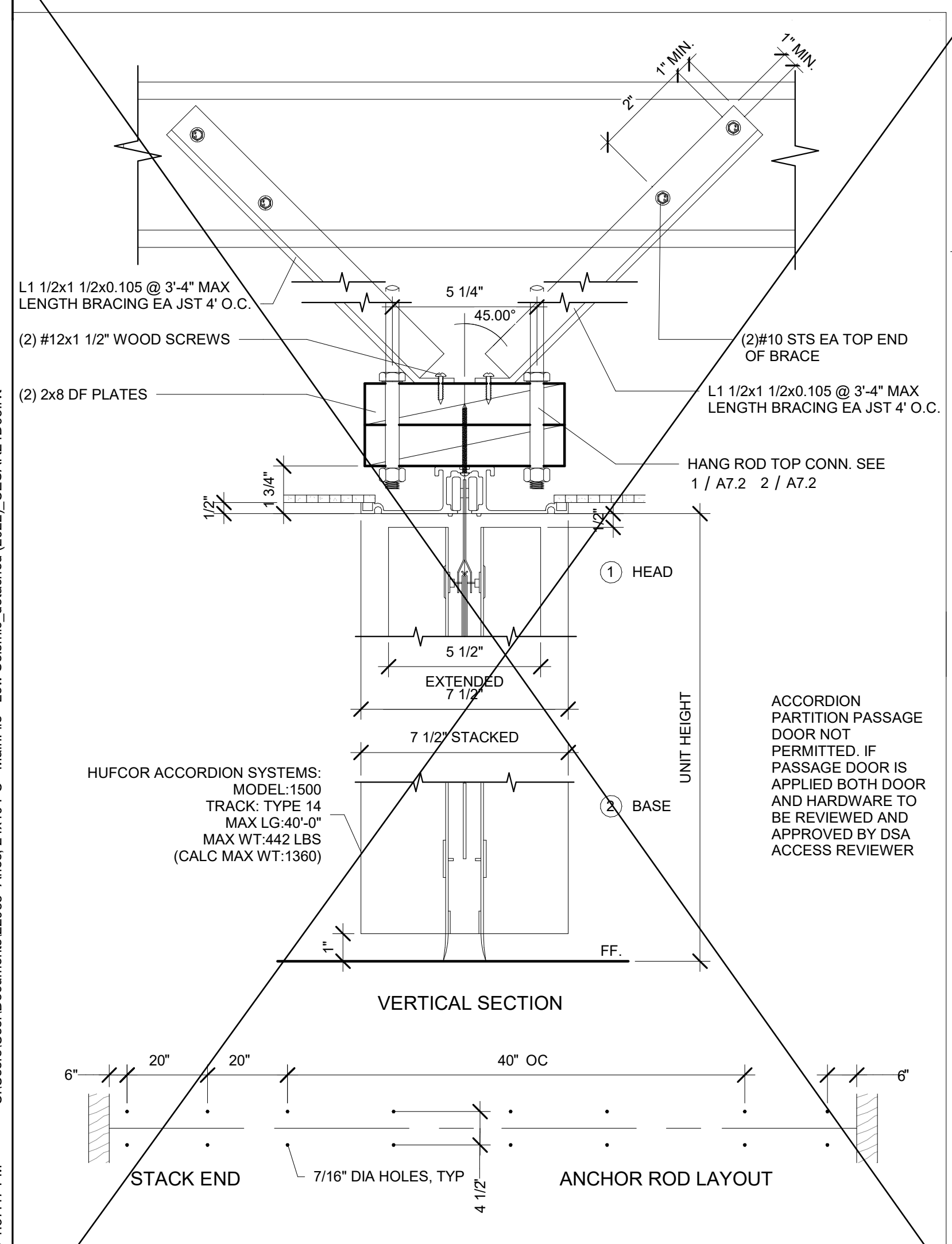
2 1 1/2" = 1'-0"
ACCORDIAN DOOR - TOP CONN AT TRUSS



1 1 1/2" = 1'-0"
ACCORDIAN DOOR - TOP CONN AT PURLIN



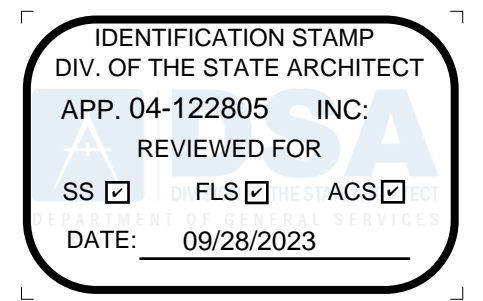
5 1" = 1'-0"
HVAC BARRIER at wood stud



3 3" = 1'-0"
OPTION FOR ACCORDIAN PARTITION ATTACHMENT

8/1/2023 1:37:47 PM C:\Users\User\Documents\22088-Aries_24x40 PC - MainFile - Low Salsinc_detached (2022)_CESAR24D63.rvt

PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

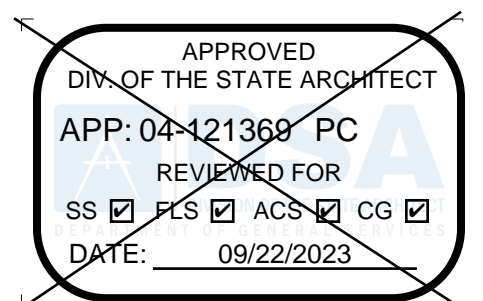


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Revision Schedule		
#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
**PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'**

SHEET TITLE
**ADDITIONAL
OPTION DETAILS**

PROJECT NUMBER
22088

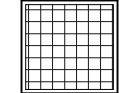
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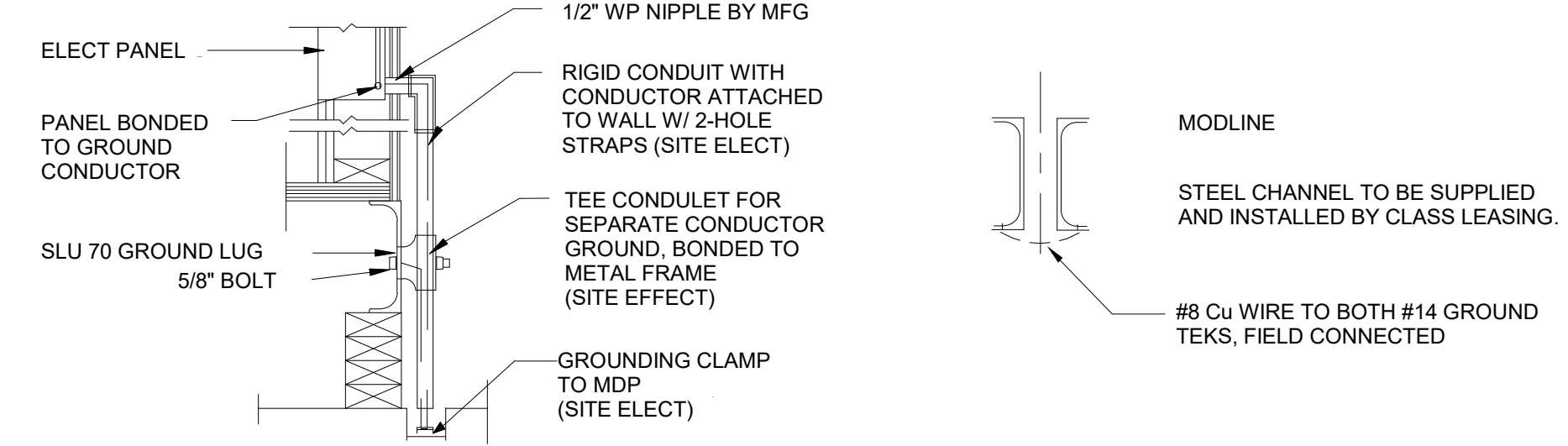
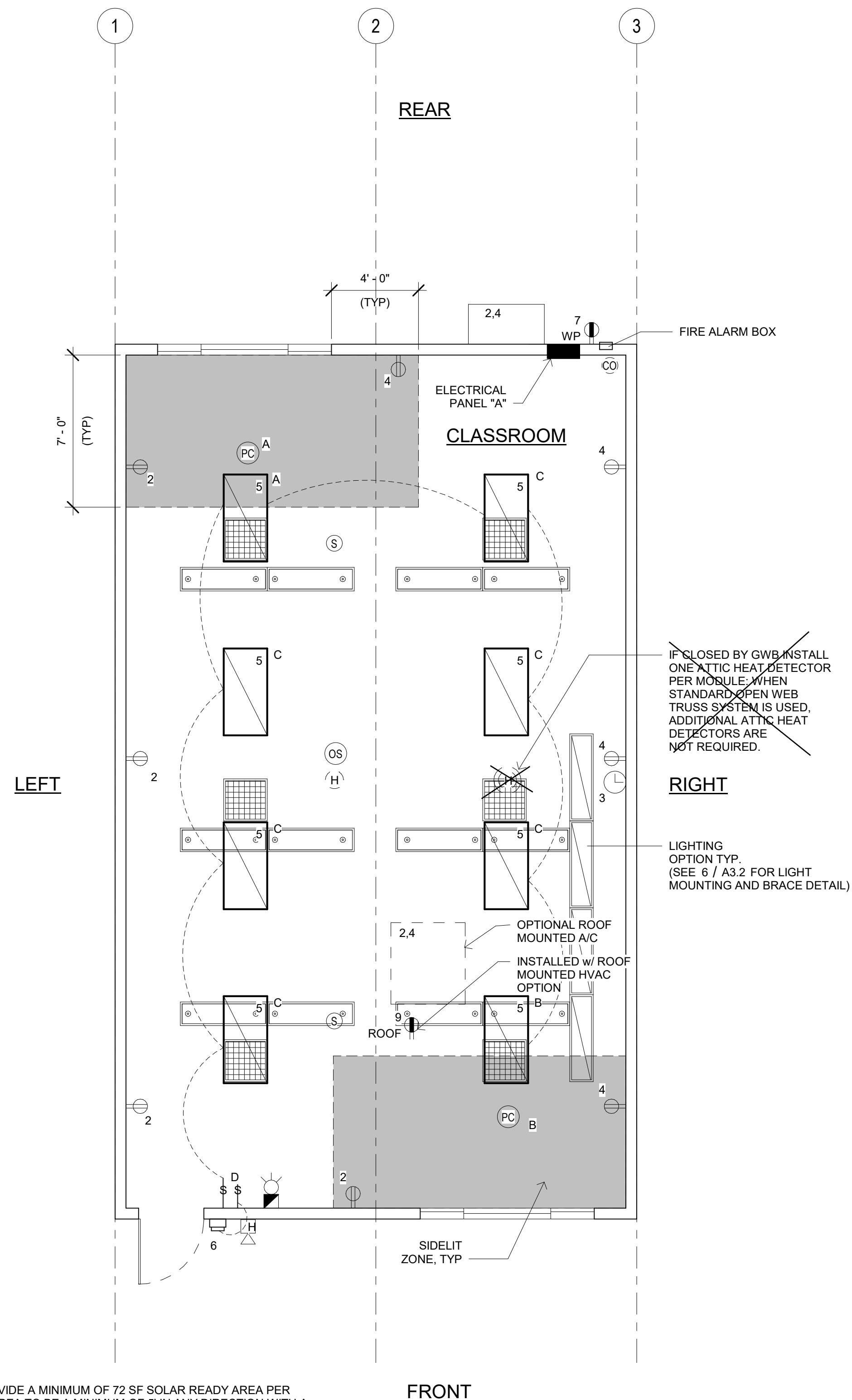
CHECKED BY
RH/RT

DATE

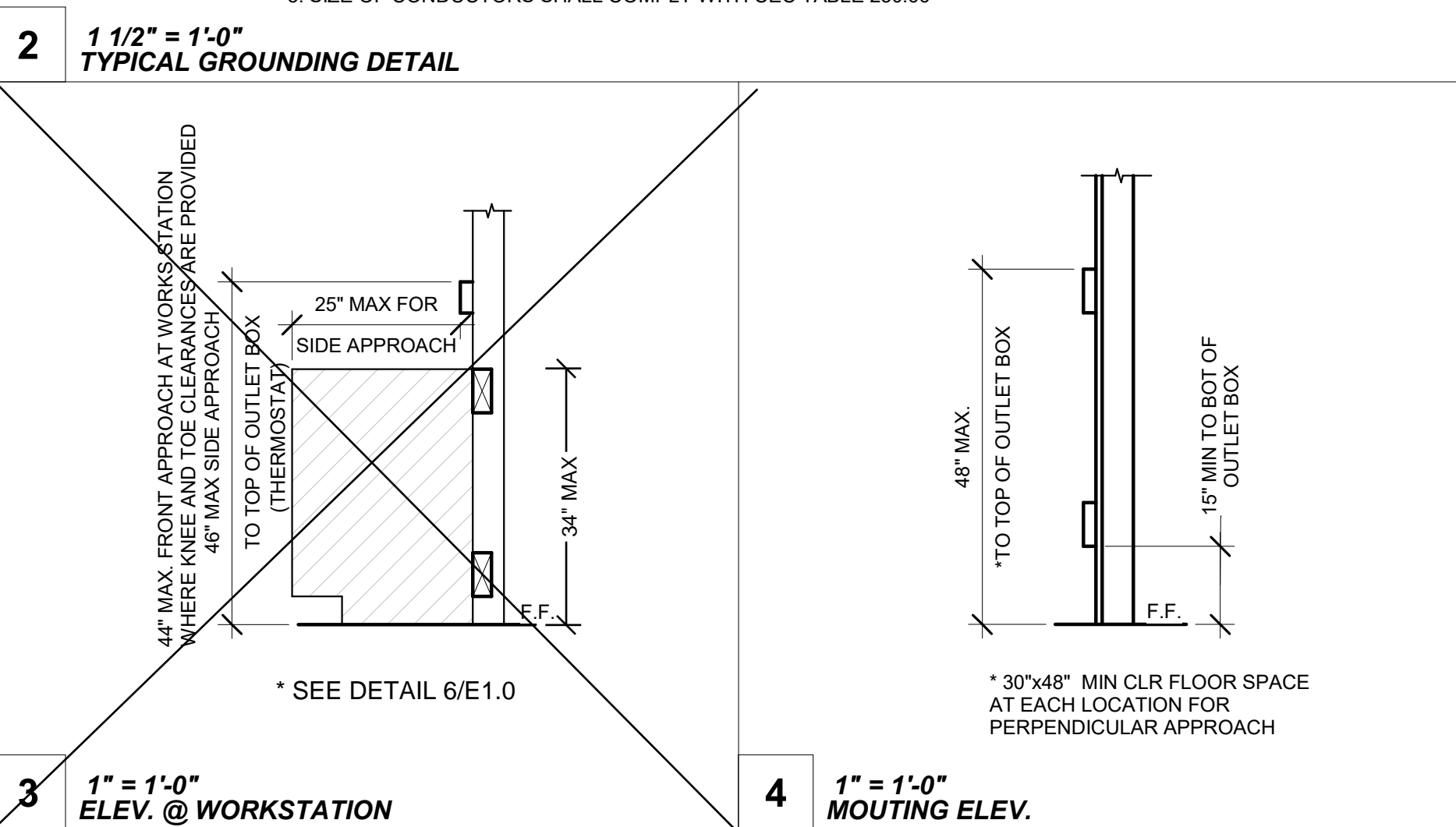
SHEET NO.
A7.2

SHEET OF

SYMBOL
 SOLAR TUBE DIFFUSER
 TUBE SIZE=21"(530mm)
 LIGHT COVERAGE AREA=250-300ft² (23-28m)



- NOTES:
- BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
 - CHECK RESISTANT TO GROUND ROD. IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).
 - ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
 - ALL MODULES OF STEEL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP & STAIRS.
 - SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66



MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

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

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP MD PP E OPTION 2: SHALL COMPLY WITH HCAI PREAPPROVAL (OPM #) # _____

FIRE ALARM NOTES

PROVIDE SPACE ON ELECTRICAL PANEL FOR LOCK-ON BREAKER, IDENTIFIED WITH RED MARKING, FOR 120 VOLTS FIRE ALARM CIRCUIT, WITH BREAKER LABELED AS FIRE ALARM CIRCUIT, CEC 760.41 (B). BREAKER AND CIRCUIT PROVIDED AND INSTALLED ON SITE BY OTHERS.

SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES TO BE PROVIDED AND INTERCONNECTED TO THE FIRE ALARM SYSTEMS ON SITE BY OTHERS

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM SYSTEM FOR ALL SITES. THE FIRE ALARM SYSTEM AND COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX SIZE	CU. IN.	MAX. NO. OF CONDUCTORS			
		#12	#10	#8	#6
4SS	1 1/4"x4" SQ	18.0	8	7	6
4S	1 1/2"x4" SQ	21.0	9	8	7
4SD	2 1/8"x4" SQ	30.3	13	12	10
4SX	2 7/8"x4" SQ	43.5	23	21	17
5SD	2 1/8"x4-11/16" SQ	42.0	18	16	14
5SX	3 7/8"x4-11/16" SQ	86.0	38	34	28
664	4"x6" SQ	144.0	64	57	48

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

1 1/4" = 1'-0" ELECTRICAL PLAN

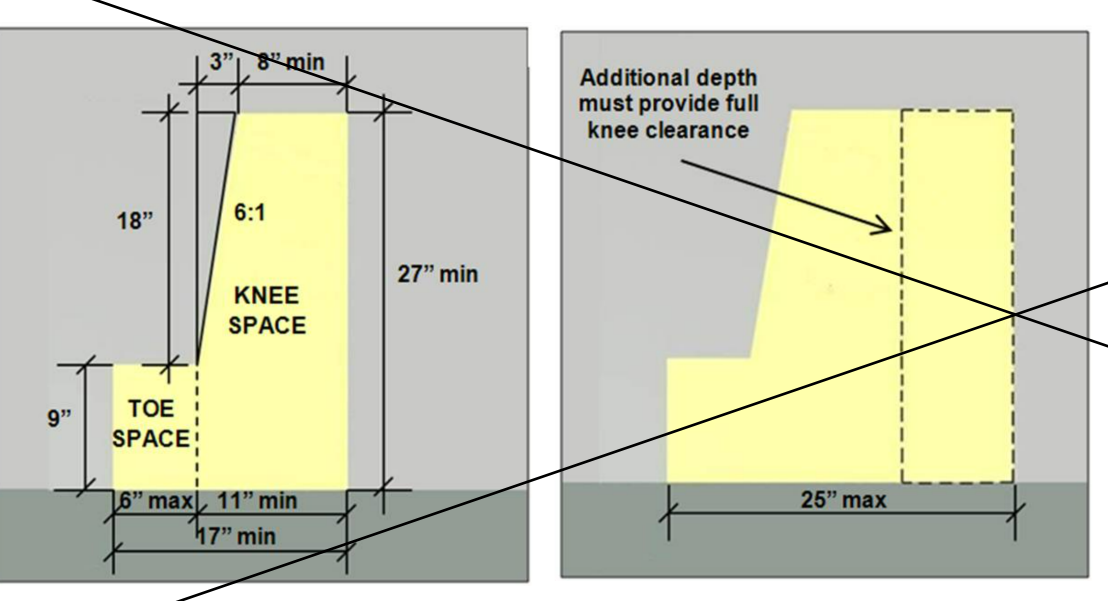
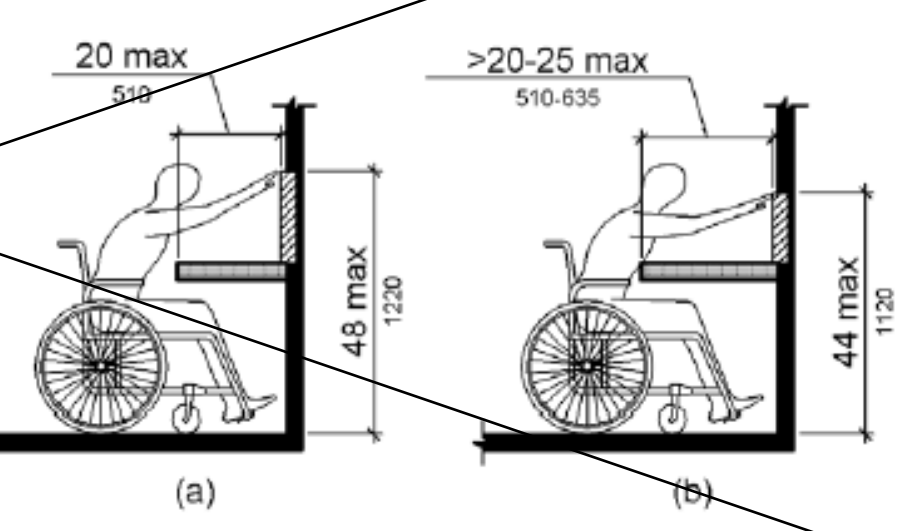


Figure 308.2 Obstructed High Forward Reach



GENERAL GROUNDING NOTES


EACH BUILDING SHALL BE GROUNDED SEPARATELY WITH A 1/2" ROUND X 8 FEET COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS FOUND, DRIVE ROD AT 45 DEGREES MAXIMUM FROM THE VERTICAL OR HAVE IT BURIED IN A TRENCH 30" DEEP MINIMUM.

TESTING FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6 FEET, UNTIL RESISTANCE REDUCES TO 25 OHMS OR LESS. GROUND TEST MUST BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR AND ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 04-122805 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/28/2023

R&S TAVARES ASSOCIATES
 DESIGN & CONSULTING PROJECT MEET
 11500 W BERNARDO COURT, SUITE 100
 SAN DIEGO, CA 92127
 WWW.R&STAVARES.COM

PROFESSIONAL STAMP

 REGISTERED PROFESSIONAL ENGINEER
 MANNY D. FRIEDL
 63380
 03/31/24
 STATE OF CALIFORNIA
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 VOICE (951) 943-1908/Fax (951) 943-5768

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APPROVED
 DIV. OF THE STATE ARCHITECT
 APP. 04-121368 PC
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 SS FLS ACS CG
 DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
 PC 2022 CBC: 24' x 40'
 EXPANDABLE TO
 120' x 40'

SHEET TITLE
 ELECTRICAL PLAN
 24x40

PROJECT NUMBER
 22088

DRAWN BY
 rMc/SC

CHECKED BY
 RH/RT

DATE

SHEET NO.
 E1.0

SHEET OF

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6/15/2021 11:52:08 PM

1 1" = 1'-0"
ELECTRICAL PANEL_WALL MOUNTED

PANEL A 24" x40"	120/208 VOLTS, 1 φ, 3 WIRE						MAIN LUGS ONLY				PANEL BOX= 100A	
	LOADCENTER		SURFACE MOUNTED				GRD & NEUTRAL BARS				AMP BUS	
	VOLTAMPS		10000 AIC				VOLTAMPS					
DESCRIPTION	φ A	φ B	C/B	CKT	φ	CKT	C/B	φ A	φ B	DESCRIPTION		
AC WALL MOUNTED	6670		30	1	A	2	20	720		OUTLETS		
		6670	30	3	B	4	20		720	OUTLETS		
GENERAL LIGHTING	720		20	5	A	6	20	40		EXTERIOR LIGHT		
EXTERIOR GFI/WP		180	20	7	B	8	20			FIRE ALARM		
			20	9	A	10	20	40				
DED SOLAR READY												
DED SOLAR READY												
SUBTOTAL	φ A 7390	φ B 6850						φ A 800	φ B 720	SUBTOTAL		
TOTAL	8190	7570					8190 /120 VOLTS= 68.25 76.25 AMPS + .94= 77.19 AMPS					

PANEL A 24" x40"	120/208 VOLTS, 1 φ, 3 WIRE						MAIN LUGS ONLY				PANEL BOX= 100A	
	LOADCENTER		SURFACE MOUNTED				GRD & NEUTRAL BARS				AMP BUS	
	VOLTAMPS		10000 AIC				VOLTAMPS					
DESCRIPTION	φ A	φ B	C/B	CKT	φ	CKT	C/B	φ A	φ B	DESCRIPTION		
AC Roof Mounted	7360		30	1	A	2	20	720		OUTLETS		
		7360	30	3	B	4	20		720	OUTLETS		
GENERAL LIGHTING	720		20	5	A	6	20	40		EXTERIOR LIGHT		
EXTERIOR GFI/WP		180	20	7	B	8	20			FIRE ALARM		
			20	9	A	10	20	40				
DED SOLAR READY												
DED SOLAR READY												
SUBTOTAL	φ A 8080	φ B 7540						φ A 800	φ B 720	SUBTOTAL		
TOTAL	8880	8260					8880 /120 VOLTS= 74 74 AMPS + 18.5= 92.5 AMPS					

2 1" = 1'-0"
ELECTRICAL PANEL_ROOF MOUNTED

- ### LEGEND
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT
 - ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
 - WALL MOUNTED HVAC UNIT, SEE MECHANICAL DWGS
 - 100 CFM CEILING MOUNTED EXHAUST FAN, INTERLOCKED WITH LIGHT SWITCH
 - 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT
4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS), MAXIMUM 33'-0" FROM ANY POINT IN ATTIC BUT NOT MORE THAN 25'-0" FROM TWO PERPENDICULAR WALL AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION, CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
 - 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS), MAXIMUM 21'-0" FROM ANY POINT IN ROOM BUT NOT MORE THAN 15'-0" TO A PERPENDICULAR WALL AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION, CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
 - RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS, MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
 - 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS), MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING
 - 4SD J-BOX/SINGLE GANG MUD RING FOR FIRE ALARM STROBE (DEVICE BY OTHERS), BOTTOM OF LENS 80" MIN TOP OF LENS 96" MAX AFF WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING
 - 4SD J-BOX/ SINGLE GANG MUD RING FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS), MOUNT AT +48" AFF TO TOP OF CONTROL BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING
 - EXIT SIGN WITH BATTERY BACK UP, EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS, FLS 90° BACK UP, CLASSROOMS WITH ONE EXTERIOR DOOR-OPTIONAL.
 - CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
 - EXTERIOR LED LIGHT FIXTURE, 30w MAX WITH PHOTOCELL MOUNT AT +93" AFF
 - ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
 - GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
 - EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
 - DUPLEX (WALL MOUNTED) RECEPTACLE 15A-125V-3 WIRE, MOUNT AT +15" AFF U.O.N. TO BOTTOM OF OUTLET BOX
 - 3-WAY LIGHT SWITCH, MOUNT AT+48" AFF TO TOP OF SWITCH BOX
 - LIGHT SWITCH, MOUNT AT+48" AFF TO TOP OF SWITCH BOX
 - SINGLE BUTTON DIMMER SWITCH, AT +48" AFF, TO TOP OF SWITCH BOX, WATTSTOPPER #LMMD-101 OR EQUAL
 - SINGLE SWITCH WALL OCCUPANCY SENSOR, WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.
 - ULTRASONIC CEILING OCCUPANCY SENSOR, WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYPED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
 - CEILING MOUNTED PHOTOCELL, WATTSTOPPER #MLMS-500 OR EQUAL
 - CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER #LMPC-100 OR EQUAL
 - 2x4 CEILING LIGHT WITH (3) LED PANELIGHT, LAY-IN LIGHT FIXTURE WITH DIMMABLE BALLAST DIMI LIGHTING-MODEL DM-P72448W-40K-ZZ WATTAGE: 48W (48" LG) OR EQUAL
 - 2x4 CEILING LIGHT WITH (3) LED PANELIGHT, LAY-IN LIGHT FIXTURE WITH DIMMABLE BALLAST DIMI LIGHTING-MODEL DM-P72448W-40K-ZZ WATTAGE: 48W (48" LG) OR EQUAL
EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE, THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES, ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE, ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.
 - NOTE: SEE 4/A3.2 FOR PHOTOMETRIC DATA

3 1" = 1'-0"
LEGEND

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-122805 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/28/2023

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PROFESSIONAL STAMP

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ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
**PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'**

SHEET TITLE
**ELECTRICAL
SCHEDULES 24x40**

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE

SHEET NO.
E1.1

SHEET OF