

# CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT | 10/29/2025



**OWNER**  
CITY OF MCFARLAND,  
CALIFORNIA

**PROJECT NUMBER**  
50184767

**CIVIL**  
KPFF  
140 Newport Center Drive  
Suite 100  
Newport Beach, CA 92660  
949.478.8800

**STRUCTURAL**  
Martin / Martin Consulting  
Engineers  
155 Bovet Rd  
Suite 550  
San Mateo, CA 94402  
650.367.8100

**ARCHITECTURAL**  
Dewberry Architects Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

**INTERIOR**  
Dewberry Architects Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

**MEP**  
P2S  
5000 East Spring Street  
Suite 800  
Long Beach ,CA 90815  
562.496.2999

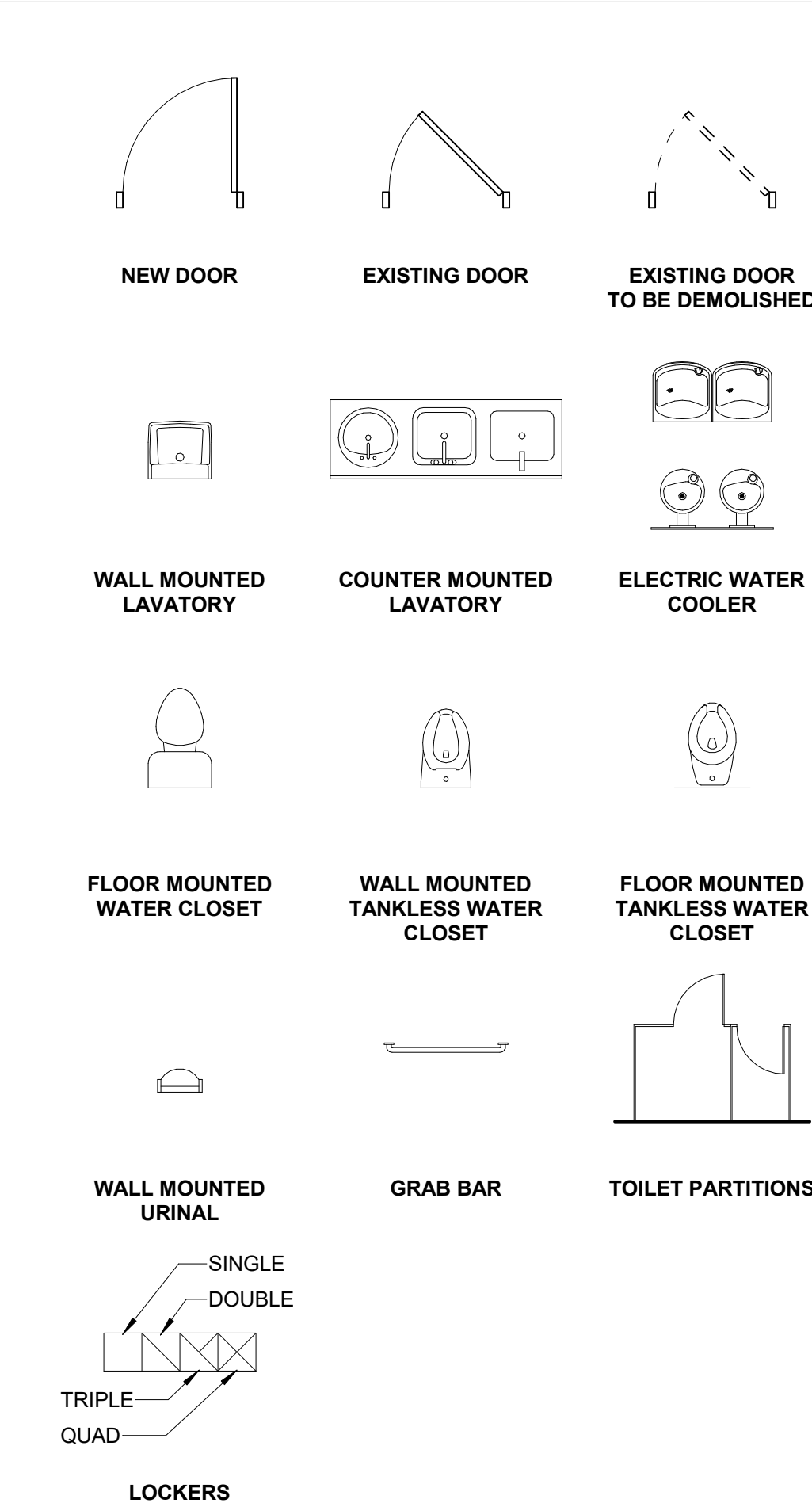
**SECURITY**  
P2S  
5000 East Spring Street  
Suite 800  
Long Beach ,CA 90815  
562.496.2999



## STANDARD ABBREVIATIONS

B	ANCHOR BOLT	FLR	FLOOR	PTR	PAPER TOWEL RECEPTACLE
ACST	ACOUSTICAL(A)	FRP	FIBER REINFORCED PLASTIC	PVC	POLYVINYL CHLORIDE
ADDN	ADDITIONAL	FTG	FOOTING	PVG	PAVING
ADH	ADHESIVE	FURC C	FURRING CHANNEL	R	RISER, RADIUS, THERMAL
ADJ	ADJACENT, ADJOINING,	FURN	FURNACE	RB	RESISTANCE (R-VALUE)
ADJ	ADJUSTABLE	FWC	FABRIC WALLCOVERING	RC	RESISTANT (R-VALUE)
AE	AUTOMATED EXTERNAL	GA	GAGE, GAUGE	REF	REFLECTED CEILING PLAN
AF	DEFIBRILLATOR	GALV	GALVANIZED	RD	ROOF DRAIN, ROAD
ALT	ABOVE FINISH FLOOR	GRAB BAR	GRAB BAR	REF	REFRIGERATOR
ALUM	ALUMINUM	GRFC	GLASS-FIBER REINFORCED	REIN	REINFORCE
ANCH	ANCHOR	GL	GLASS	REQD	REQUIRED
ANOD	ANODIZE(D)	GL BLK	GLASS BLOCK	RF	ROOFING
AP	ACCESS PANEL	GLZ CMU	GLAZED CONCRETE MASONRY UNIT	RFM	REMOVABLE FLOOR MAT
APPROX	APPROXIMATE	GRFG	GLASS-FIBER REINFORCED GYPSUM	RH	RIGHT HAND
ASPH	ASPHALT	GT	GROUT	RFO	ROUGH OPENING
AUTO	AUTOMATIC	GW	GA FIERED WATER HEATER	RFS	RESINOUS FLOORING
AVE	AVERAGE	GYD BD	GYPSUM WALL BOARD	RST	REINFORCING STEEL
AWT	ACOUSTICAL WALL TREATMENT	H	HIGH HATCH (ROOF)	RTF	RESILIENT TILE FLOORING
BAL SHT	BALANCE SHEET	H	HOSE BIB	RV	ROOF VENT, ROOF VENTILATOR
BC	BRICK COLOR	HDR	HARDENER	SC	SEALED CONCRETE
BCS	BRICK CHANGING STATION	HDR	HARDWARE	SCHED	SCHEDULE
BD	BUMPER GUARD	HDWD	HARDWOOD	SCR	SHOWER CURTAIN ROD
BG	BUMPER GUARD	HLM	HOLLOW METAL	SCWD	SOLID CORE WOOD DOOR
BITUM	BITUMINOUS	HORIZ	HORIZONTAL	SD	SOAD DISPENSER
BLDG	BUILDING	HR	HANDRAIL	SECT	SECTION
BLKG	BLOCKING (WOOD)	HT	HEATING	SF	STOREFRONT
BOT	BOTTOM	HTG	HEATING	SHT	SHINGLES, SINGLE HUNG (WINDOW)
BRDG	BRIDGING	HVAC	HEATING, VENTILATING, AND AIR	SH	SHEET
BRG	BEARING		CONDITIONING	SHTHG	SHEDDING
BRK PV	BRICK PAVERS	ID	INSIDE DIAMETER, INSIDE	SHV	SHELVING
BRT	BRACKET	IDM	INSIDE DIAMETER, INSIDE	SLNT	SEALANT
BSMT	BASEMENT	IF	INSIDE FACE	SND	SANITARY NAPKIN DISPENSER
BTWN	BETWEEN	INCL	INCLUDED	SNDU	SANITARY NAPKIN DISPOSAL UNIT
BUR	BUILT UP ROOFING	INCL	INSULATION	SOG	SLAB ON GRADE
CAB	CABINET	INT	INTERIOR	SPEC	SPEAKER
CB	CHALKBOARD	INT	INTERIOR	SPEC	SPECIFICATION
CCT	CUBICLE CURTAIN	INT	INTERIOR	SPEK	SPEAKER
CCT	CUBICLE CURTAIN TRACK	INT	INTERIOR	SQ	SQUARE
CFCI	CONTRACTOR FURNISHED	JOINT	JOINT	SST	SERVICE SINK, SOLID SURFACING
CFM	COLD-FORMED METAL FRAMING	KD	KNOCKED DOWN	STD	STANDARD
CG	CORNER GUARD	KOP	KNOCK OUT PANEL	STL	STEEL
CIP CONC	CAST-IN-PLACE CONCRETE	LD	LONG, LONG	STL JST	STEEL JOIST
CJ	CONTROL JOING, CONSTRUCTION	L	LAMINATED	STL LNTL	STEEL LINTEL
CL	CEILING	LAM	LAMINATE	STL PL	STEEL PLATE
CLR	CLEAR	LAV	LAVATORY	STL RFK	STEEL ROOF DECK
CMU	CONCRETE MASONRY UNIT	LH	LEFT HAND	STL TR	STEEL TRUSS
CNTR	COUNTER	LINO	LINOLEUM	STN	STAIN
CO	CLEAN OUT, CASED OPENING	LKR	LOCKER	STR	STRUCTURAL
COMB	COMBINATION, COMBINED	LL	LONG, LONG	SUSP	SUSPEND
COMP	COMPRESSIBLE	LL	LONG, LONG	SHT	SHEET VINYL
COMP	COMPARTMENT	LLV	LONG LEG VERTICAL	SWP	SHEET WALL PROTECTION
CONC CTG	CONCRETE COATING	LLV	LONG LEG VERTICAL	SYMM	SYMMETRICAL
COND	CONDITION	LVL	LOUVER	SYNTH	SYNTHETIC
CONT	CONTINUOUS	MAS	MASONRY	T	TILE, TREAD
CONTR	CONTRACTOR	MATL	MATERIAL	T&G	TONGUE AND GROOVE
CORR	CORRIDOR	MAX	MAXIMUM	TB	TUBESHOWER
CRS	COMPRESSIBLE	MB	MARKERBOARD	TC	TOWEL BAR, TACKBOARD
CR	CARPET	MBH	MATCHBOARD HOLDER	TO	TOILET COMPARTMENT
CPT	CLOSEST ROD	MECH	MECHANICAL	TR	TRENCH DRAIN
CRASH RAIL	CRASH RAIL	MED	MEDIUM	THK	THICK
CRS	COLD-ROLLED STEEL	MEZZ	MEZZAINE	TB	TOP OF BEAM
CNTS	CENTER(S)	MFR	MANUFACTURER	TOC	TOP OF CONCRETE, TOP OF CURB
CABINET UNIT HEATER	CABINET UNIT HEATER	MH	MANHOLE	TOF	TOP OF FOOTING
CUV	CABINET UNIT VENTILATOR	MIN	MINIMUM, MINUTE	TOM	TOP OF MASONRY
CURTAINWALL	CURTAINWALL	MISC	MISCELLANEOUS	TOS	TOP OF SLAB, TOP OF STEEL
D	DEEP, DEPTH, PENNY NAIL	MO	MODEL, MODUL, MODULAR	TPH	TOP OF WALL
DC	DETAIL	MOD	MODEL, MODUL, MODULAR	TR	TOWEL RACK
DET	DETENTION	MSB	MOP SERVICE BASIN	TS	TUBE STEEL, TRANSITION STRIP
DF	DRINKING FOUNTAIN	MT	MOUNT	UNO	UNLESS NOTED OTHERWISE
DIA	DIAMETER	MTL	METAL	VCT	VINYL COMPOSITION TILE
DIM	DIMENSION	NDU	NEEDLE DISPOSAL UNIT	VERT	VERTICAL
DN	DOWN	NIC	NOT IN CONTRACT, NOISE ISOLATION	VIF	VERIFY IN FIELD
DP	DECORATIVE PANEL	NO	NUMBER	VWC	VINYL WALL COVERING
DR	DOOR	NOM	NOMINAL	W	WIDE, WEST
DS	DOWNSPOUT	NTS	NOT TO SCALE	WC	WALL COVERING
DWG	DRAWING(S)	OA	OVERALL	WD	WOOD, WOOD DOOR
EHD	ELECTRIC HAND DRYER	OC	ON CENTER	WDW	WINDOW
EJ	EXPANSION JOINT	OF	OUTSIDE DIAMETER, OUTSIDE	WPF	WALL PATTERN, WATERPROOFING
ELEC	ELECTRIC, ELECTRICAL	OF	OUTSIDE FACE	WWT	WEIGHT, WINDOW TREATMENT
ELEV	ELEVATOR	OF	OWNER FURNISHED CONTRACTOR		WELDED FIRE FABRIC
EMBED	EMBEDDED	OF	OWNER FURNISHED CONTRACTOR		

## STANDARD DRAFTING SYMBOLS



## DEFERRED SUBMITTALS

- FIRE ALARM
- FIRE SPRINKLER
- KNOX BOX
- STRUCTURAL DEFERRED SUBMITTALS (REFER TO S-002 FOR DETAIL)

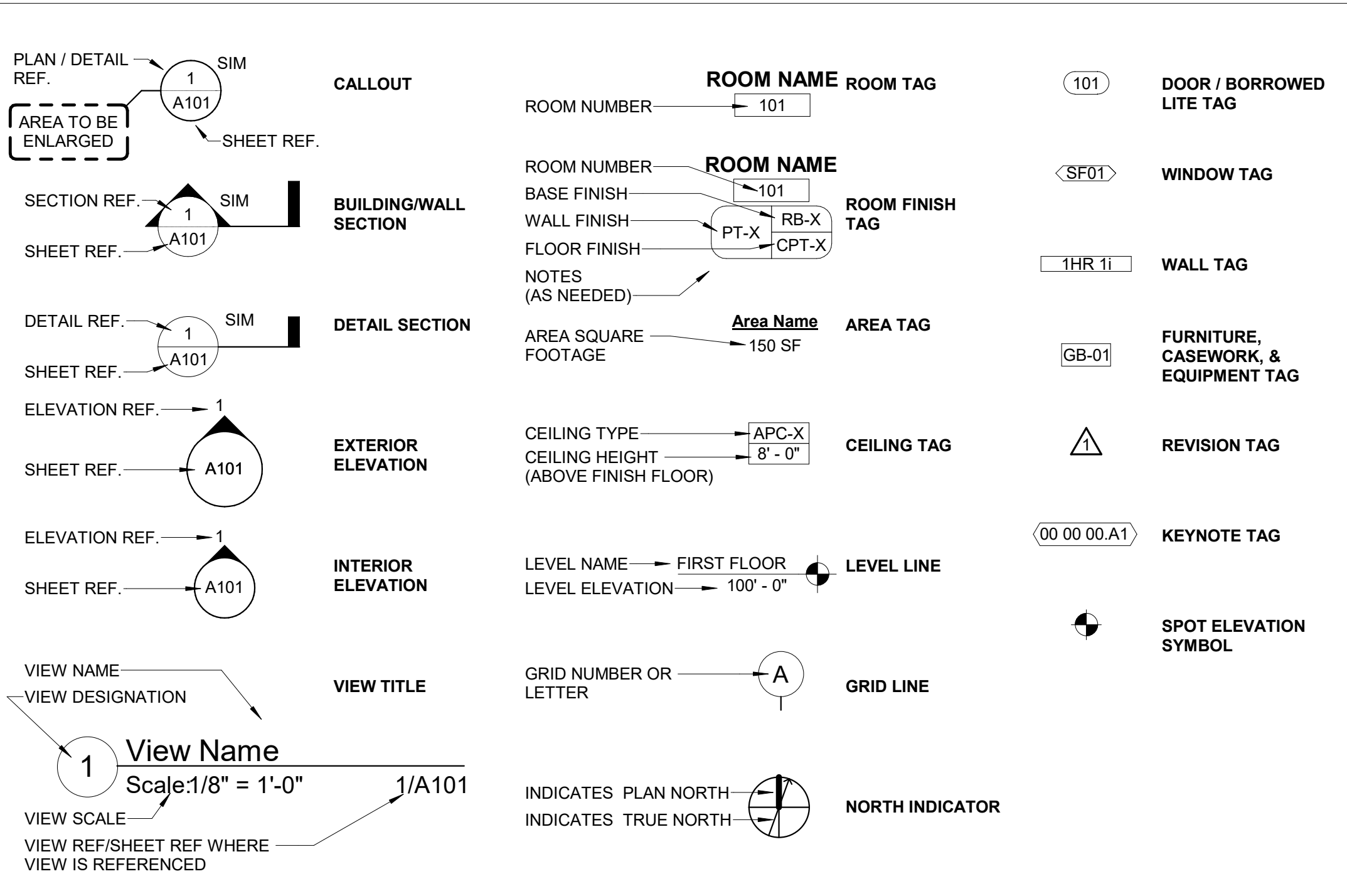
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L2.101	CONSTRUCTION PLAN
L2.401	CONSTRUCTION DETAILS
L2.402	CONSTRUCTION DETAILS
L2.403	CONSTRUCTION DETAILS
L2.404	CONSTRUCTION DETAILS
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## SHEET INDEX

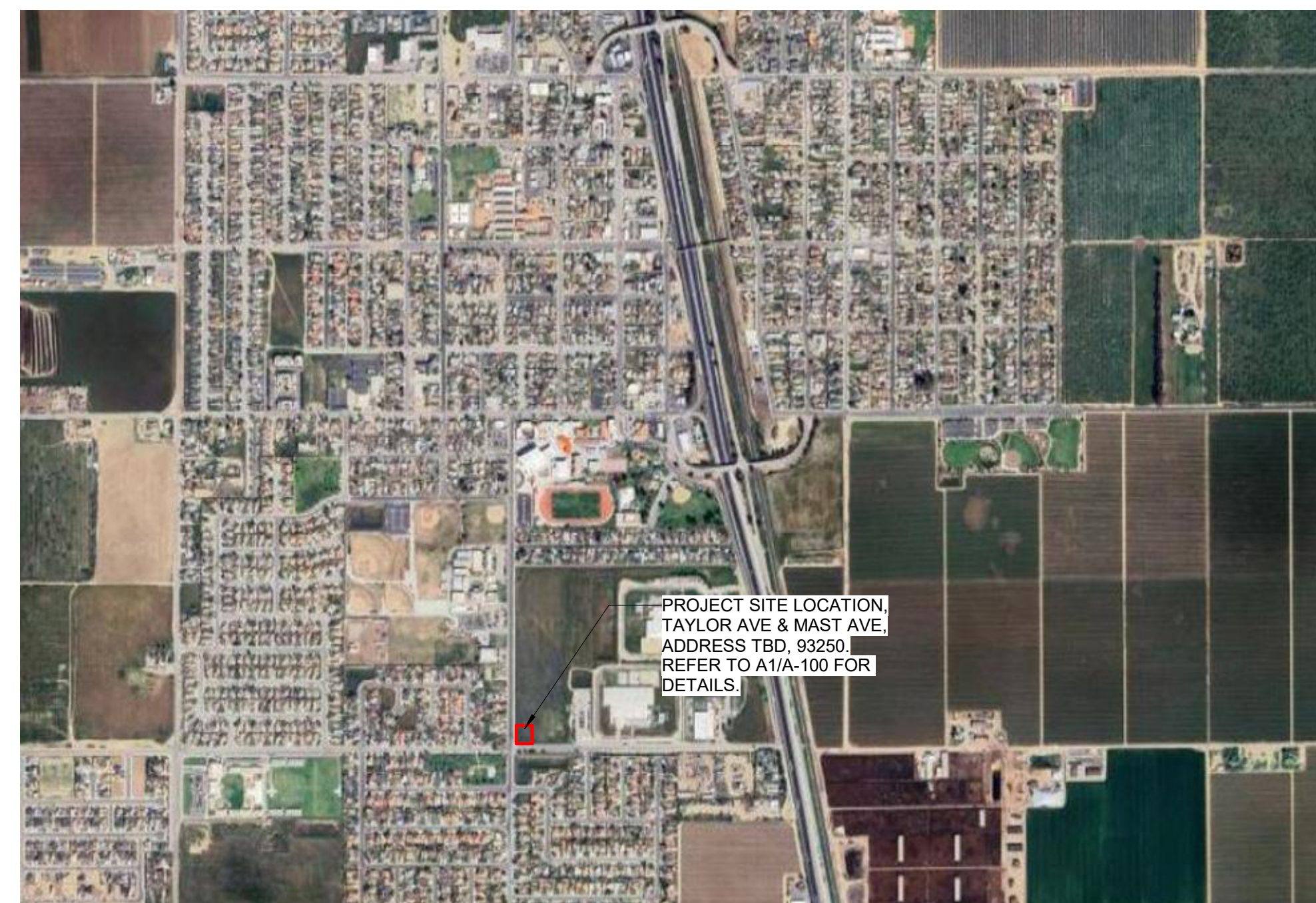
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S010	TYP. CMU DETAILS
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E602	DETAILS
E603	DETAILS
E604	DETAILS
E605	DETAILS

## STANDARD DETAILING SYMBOLS



**B3 VICINITY MAP**

Scale:N.T.S.



## LOCATION MAP

Scale:N.T.S.

Dewberry Architect Inc.

1760 Creekside Oaks Dr #280  
Scaramento, CA, 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McErland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



## KEY PLAN

SCALE

## REVISIONS

[illegible]

DRAWN BY	JQ
APPROVED BY	PE
CHECKED BY	JN
DATE	10/29/2025
TITLE	

**TITLE**

## INDEX, LOCATION MAP & GENERAL INFORMATION

PROJECT NO.	50184767
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G-001

SHEET NO.





Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA, 95833  
916.239.7244

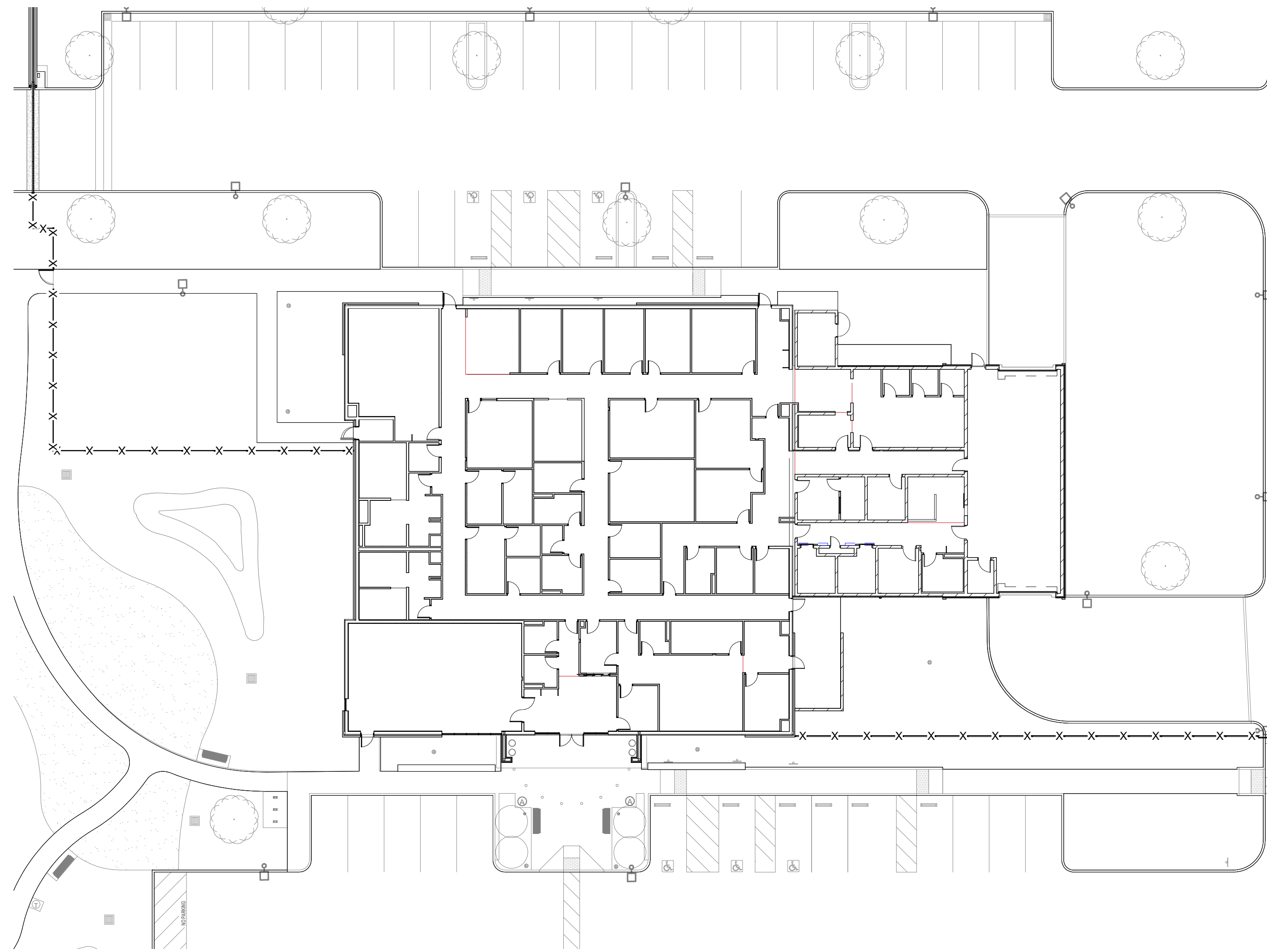
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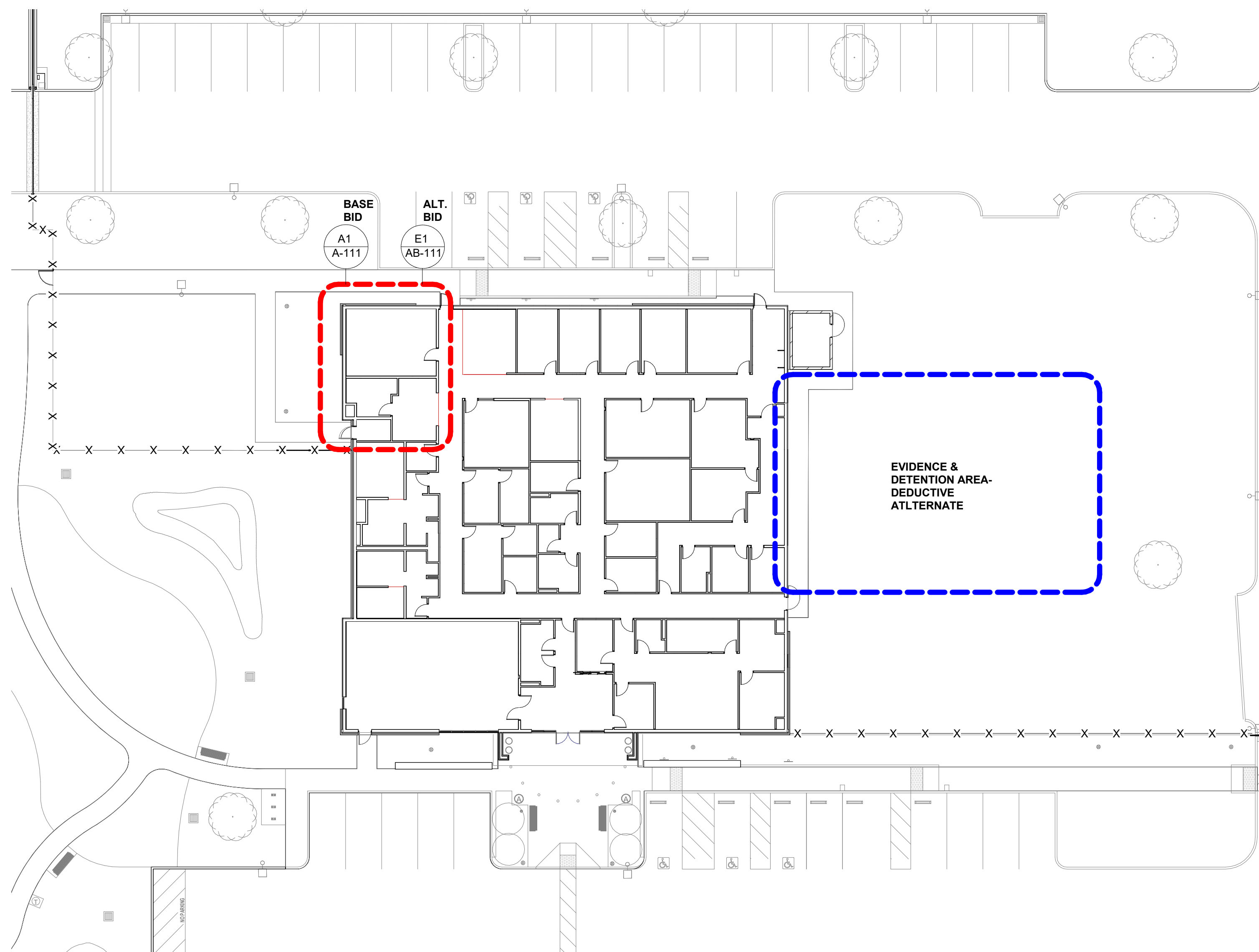
PROJECT BIDDING SCOPE
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1. **BASE BID:** ENTIRE BUILDING INCLUDING STUBBING OUT UTILITIES 5FT OUTSIDE OF THE BUILDING.
2. **ALTERNATE BID:**
  - \* EXCLUSION OF THE EAST-SIDE OFFICES, TEMP HOLDING, AND SALLY PORT AREA
  - \* MODIFIED FITNESS ROOM LAYOUT TO ACCOMMODATE OFFICES FOR PROPERTY, EVIDENCE PROCESS, AND BAG & TAG
3. **SITE WORK:**
  - \* INCLUDE ALL UTILITIES TO BUILDING, GRADING, DRAINAGE, LANDSCAPE, PAVING, ETC.
  - \* PLUMBING TO TERMINATE 5FT OUTSIDE THE BUILDING ON THE EAST SIDE SERVING THE DEDUCTIVE ALTERNATE BID AREAS.



**D1 PROJECT SCOPE PLAN - BASE BID**  
Scale: 1" = 20'-0"

REFER TO A **SERIES** SHEETS FOR DETAILED INFORMATION



**A1 PROJECT SCOPE PLAN - ALTERNATE BID**  
Scale: 1" = 20'-0"

REFER TO **AB SERIES** SHEETS FOR DETAILED INFORMATION

SEAL



## KEY PLAN

SCALE

## REVISIONS

[illegible]

DRAWN BY	JQ
APPROVED BY	PE
CHECKED BY	NG
DATE	10/29/2025

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**TITLE**

## PROJECT SCOPE PLAN

PROJECT NO. 50184767

G-002

SHEET NO.



F

INTERIOR FINISH

A. INTERIOR FINISH - CBC REQUIREMENTS

INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDICES. (CBC 803.1.2):

CLASS A: FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450.  
CLASS B: FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450.  
CLASS C: FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450.

INTERIOR WALL AND CEILING FINISH MATERIAL CLASSIFICATIONS SHALL COMPLY WITH THE REQUIREMENTS OF CBC TABLE 803.13 BASED ON THE OCCUPANCY, LOCATION, AND PRESENCE OF SPRINKLERS.

OCCUPANCY	INTERIOR EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES
B	B	C	C

INTERIOR FLOOR FINISHES ARE CLASSIFIED INTO THE FOLLOWING CATEGORIES (CBC 804.2):

CLASS I: 0.45 WATTS/CM² OR GREATER  
CLASS II: 0.22 WATTS/CM² OR GREATER

1. INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE ASTM E 648 AND HAVE A SPECIFIC OPTICAL DENSITY SMOKE RATING NOT TO EXCEED 450 PER ASTM E 662 (CBC 804.4.1).

DOOR OPENING PROTECTIVES REQUIREMENTS

A. THE FOLLOWING TABLE IDENTIFIES THE REQUIREMENTS OF CBC 716 FOR WHERE OPENING PROTECTIVES ARE REQUIRED:

BUILDING ELEMENT	REQUIRED WALL ASSEMBLY RATING (HOURS)	MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING
FIRE BARRIERS HAVING A REQUIRED FIRE-RATING GREATER THAN 1 HOUR	2-HOUR FIRE BARRIER	90-MIN

PLUMBING OCCUPANCY CALCULATIONS

POLICE HEADQUARTERS (OCCUPANCY GROUP B) (CPC TABLE 4-1):

ASSEMBLY:	1,159 SF / 30	= 39 OCCUPANTS
BUSINESS:	5,098 SF / 150	= 34 OCCUPANTS
EXERCISE:	658 SF / 50	= 14 OCCUPANTS
STORAGE:	1,344 SF / 150*	= 9 OCCUPANTS

TOTAL: 96 OCCUPANTS  
(48 FEMALE OCCUPANTS & 48 MALE OCCUPANTS)

POLICE HEADQUARTERS PLUMBING FIXTURES COUNT (CPC TABLE 422.1):

	REQUIRED FIXTURES		PROVIDED FIXTURES		
	FEMALE (48 OCC.)	MALE (48 OCC.)	FEMALE	MALE	UNISEX
WATER CLOSETS	3 (31-50)	1 (1-50)	4	3	4
URINALS	N/A	1 (1-100)	N/A	1	N/A
LAVATORIES	1 (1-50)	1 (1-75)	2	3	4
DRINKING FOUNTAINS	1 (1-150)		3		
SERVICE SINK	1		1		

\* PER CPC OCCUPANT LOAD FACTOR TABLE A NOTE\* ANY USES NOT SPECIFICALLY LISTED SHALL BE BASED ON SIMILAR USES LISTED IN THIS TABLE (STORAGE ROOMS SERVING POLICE OFFICE ARE SIMILAR TO GROUP B)

DETENTION (OCCUPANCY GROUP I-3) (CPC TABLE 422.1):

DETENTION: 1,847 SF FIXTURE COUNT SEE TABLE BELOW

DETAINEE USE	REQUIRED FIXTURES		PROVIDED FIXTURES	
	MALE	FEMALE	UNISEX	
WATER CLOSETS	1 PER CELL		2 (1 PER CELL)	
URINALS	N/A		N/A	
LAVATORIES	1 PER CELL		2 (1 PER CELL)	
DRINKING FOUNTAINS	1 PER CELL		2 (1 PER CELL)	
BATH	1 PER 20		1	

\* \* PER CPC OCCUPANT LOAD FACTOR TABLE A NOTE\* ANY USES NOT SPECIFICALLY LISTED SHALL BE BASED ON SIMILAR USES LISTED IN THIS TABLE (DETENTION SERVING POLICE OFFICE IS SIMILAR TO GROUP B)

STAFF USE	REQUIRED FIXTURES		PROVIDED FIXTURES	
	MALE	FEMALE	UNISEX	
WATER CLOSETS	2 PER 15	1 PER 15	1	
LAVATORIES	1 PER 40	1 PER 40	1	
DRINKING FOUNTAIN	1 PER 150		1	

MEANS OF EGRESS (CONT.)

C. EXIT ACCESS ARRANGEMENT

(CBC TABLE 1006.2.1, CBC TABLE 1017.2, CBC 1020.4 & CBC 1020.5)

TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN CBC TABLE 1006.2.1, PER CBC 1006.2.1

THE EXIT ACCESS SHALL BE ARRANGED TO COMPLY WITH THE MAXIMUM COMMON PATH OF TRAVEL (CBC TABLE 1006.2.1), DEAD-END CORRIDOR LENGTH (CBC 1020.5), AND EXIT ACCESS TRAVEL DISTANCE (CBC TABLE 1017.2) FOR A FULLY SPRINKLERED BUILDING, SUMMARIZED IN THE TABLE BELOW.

OCCUPANCY	CORRIDOR DEAD LENGTH (FEET)	COMMON PATH OF TRAVEL (FEET)	EXIT ACCESS TRAVEL DISTANCE (FEET)
B	50	100	300

1. IN FULLY SPRINKLERED BUILDINGS, THE MINIMUM SEPARATION DISTANCE BETWEEN TWO REQUIRED EXITS OR EXIT ACCESS DOORWAYS IS SPECIFIED TO BE 1/3 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED. (CBC 1007.1.1. EXCEPTION 1).

D. NUMBER OF EXITS PER STORY (CBC TABLE 1006.3.3)

THE BUILDING SHALL HAVE THE MINIMUM NUMBER OF SEPARATE AND DISTINCT EXITS, OR ACCESS TO EXITS, AS SPECIFIED IN CBC TABLE 1006.3.3

OCCUPANT LOAD	MINIMUM NUMBER OF EXITS
1-500	2

E. EGRESS DOOR REQUIREMENTS (CBC 1010)

1. DOORS MUST SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OR SPACE CONTAINING AN OCCUPANT LOAD OF 50 OR MORE (CBC 1010.1.2.1).

2. ROOMS CONTAINING ELECTRICAL EQUIPMENT RATED 800 AMPERES OR MORE THAT CONTAIN OVERCURRENT DEVICES, SWITCHING DEVICES OR CONTROL DEVICES AND WHERE THE EXIT OR EXIT ACCESS DOOR IS LESS THAN 25 FEET (7620 MM) FROM THE EQUIPMENT WORKING SPACE AS REQUIRED BY NFPA 70, SUCH DOORS SHALL NOT BE PROVIDED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE. THE DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL. (CBC 1010.2.9.2).

F. CORRIDORS (CBC 1020)

1. A FIRE-RESISTANCE RATING IS NOT REQUIRED FOR CORRIDORS IN AN OCCUPANCY IN GROUP B THAT IS A SPACE REQUIRING ONLY A SINGLE MEANS OF EGRESS COMPLYING WITH SECTION 1006.2.

2. CORRIDORS ADJACENT TO THE EXTERIOR WALLS OF BUILDINGS SHALL BE PERMITTED TO HAVE UNPROTECTED OPENINGS ON UNRATED EXTERIOR WALLS WHERE UNRATED WALLS ARE PERMITTED BY TABLE 705.5 AND UNPROTECTED OPENINGS ARE PERMITTED BY TABLE 705.8.

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	REQUIRED FIRE-RESISTANCE RATING (HOURS) WITH SPRINKLER SYSTEM
B	GREATER THAN 30	0

EXIT DISCHARGE

EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING. THE EXIT DISCHARGE SHALL BE AT GRADE OR SHALL PROVIDE A DIRECT PATH OF EGRESS TRAVEL TO GRADE. THE EXIT DISCHARGE SHALL NOT REENTER A BUILDING, PER CBC 1028.2

THE EXIT DISCHARGE SHALL PROVIDE A DIRECT AND UNOBSTRUCTED ACCESS TO A PUBLIC WAY, PER CBC 1028.5.

MEANS OF EGRESS

A. OCCUPANT LOAD FACTORS (CBC TABLE 1004.5)

Occupancy Load - Police Headquarter						
Name	Number	Area	SF Per Occupant Key Value	Occupancy Load	Occupancy	Function of Space
LOBBY	100	285 SF	150 SF	2	B	
COMMUNITY RM. / E.O.C.	101	1159 SF	15 SF	78	A	
UNISEX	102	60 SF	0 SF			
UNISEX	103	60 SF	0 SF			
RECORDS	104	113 SF	150 SF	1	B	
LIVE SCAN	105	111 SF	150 SF	1	B	
TOILET	106	53 SF	0 SF			
SERVER	107	142 SF	300 SF	1	S-1	
SUPERVISOR OFFICE	108	149 SF	150 SF	1	B	
DISPATCH CENTER	109	504 SF	150 SF	4	B	
BREAK RM	110	134 SF	150 SF	1	B	
CORRIDOR	111	1924 SF	0 SF			
RR/SWR	112	211 SF	0 SF			
WOMEN'S LOCKER	112A	90 SF	50 SF	2	B	
RR/SWR	113	230 SF	0 SF			
MEN'S LOCKER	113A	162 SF	50 SF	4	B	
FIRE RISER	114	44 SF	300 SF	1	S-1	
W.H.	115	53 SF	300 SF	1	S-1	
FITNESS	116	657 SF	50 SF	14	B	
BREAK RM	117	214 SF	15 SF	15	B	ASSEMBLY- UNCONCENTRATED
ADM. SERGEANT	118	158 SF	150 SF	2	B	
LIEUTENANT	119	158 SF	150 SF	2	B	
CAPTAIN	120	153 SF	150 SF	2	B	
ASSIST. CHIEF	121	176 SF	150 SF	2	B	
POLICE CHIEF OFFICE	122	251 SF	150 SF	2	B	
BRIEFING	123	269 SF	15 SF	18	B	ASSEMBLY- UNCONCENTRATED
REPORT	124	181 SF	150 SF	2	B	
GUN CLEANING	125	116 SF	150 SF	1	B	
ARMORY	126	97 SF	150 SF	1	B	
IDF	127	88 SF	300 SF	1	S-1	
MEN'S RR	128	82 SF	0 SF			
JAN.	129	36 SF	0 SF			
WOMEN'S RR	130	89 SF	0 SF			
SECURE STORAGE	131	64 SF	300 SF	1	S-1	
WELLNESS	132	75 SF	150 SF	1	B	
STORAGE	133	157 SF	300 SF	1	S-1	
SERGEANT OFFICE	134	300 SF	150 SF	3	B	
DET.SERGEANTS CONF. /MAJOR CASE	135	251 SF	150 SF	2	B	
	136	323 SF	15 SF	22	B	ASSEMBLY- UNCONCENTRATED
OBSERV.	137	192 SF	150 SF	2	B	
OFFICE	138	106 SF	150 SF	1	B	
OFFICE	139	106 SF	150 SF	1	B	
CORRIDOR	140	437 SF	0 SF			
INT. RR	141	78 SF	0 SF			
INT	142	103 SF	150 SF	1	B	
INT	143	94 SF	150 SF	1	B	
BAG & TAG	144	143 SF	150 SF	1	B	
PROPERTY	145	392 SF	300 SF	2	S-1	
EVID PROCESS	146	107 SF	150 SF	1	B	
WEAPON	147	43 SF	300 SF	1	S-1	
DRUGS	148	43 SF	300 SF	1	S-1	
VAL.	149	39 SF	300 SF	1	S-1	
CORRIDOR	150	239 SF	0 SF			
W.H. & JAN.	153	100 SF	300 SF	1	S-1	
ELEC.	161	125 SF	300 SF	1	S-1	
BLOOD DRYING RM	162	54 SF	300 SF	1	S-1	
11781 SF		205				

Occupancy Load - Detention						
Name	Number	Area	SF Per Occupant Key Value	Occupancy Load	Occupancy	Function of Space
REPORT	151	110 SF	150 SF	1	I-3	
JUV. OBSERV.	152	64 SF	FIXED SEAT*	4	I-3	
BOOKING	154	158 SF	150 SF	2	I-3	
TEMP. HOLDING	155	96 SF	FIXED SEAT*	1	I-3	
TEMP. HOLDING	156	96 SF	FIXED SEAT*	1	I-3	
HARD INT	157	113 SF	FIXED SEAT**	3	I-3	
STAFF TLT	158	89 SF	0 SF			
CORRIDOR	159	255 SF	0 SF			
SALLY-PORT	160	1218 SF	200 SF	7	I-3	
2199 SF		19				

\* TEMPORARY HOLDING OCCUPANCY LOAD IS CALCULATED BY SEAT LENGTH @ 18" PER OCCUPANT  
\*\* HARD INTERVIEW ROOM OCCUPANCY LOAD IS CALCULATED BY NUMBER OF FIXED SEATS @ 1 OCCUPANT PER SEAT

B. EGRESS WIDTH (CBC 1005)

THE MINIMUM REQUIRED EGRESS WIDTH CAPACITY PER CBC 1005.3.2. EXCEPTION 1 (FULLY SPRINKLER)

DOOR, RAMPS, CORRIDORS: 0.15 IN/OCC.

BUT THE WIDTH OF EGRESS SHOULD NOT BE LESS THAN THE FOLLOWING:

COMPONENT	MIN.WIDTH
DOORS	32 INCHES (CLEAR WIDTH) (CBC 1010.1.1 & 11B.404.2.3)
CORRIDORS	44 INCHES (CBC TABLE 1020.3)

AUTHORITY HAVING JURISDICTION

THE AUTHORITY HAVING JURISDICTION FOR THIS PROJECT IS THE CITY OF CITY OF MCFARLAND BUILDING DIVISION, KERN COUNTY FIRE DEPARTMENT, AND KERN COUNTY ENVIRONMENTAL HEALTH AGENCY.

APPLICABLE CODES

2025 CITY OF MCFARLAND MUNICIPAL CODE  
2022 CALIFORNIA BUILDING CODE (CBC)  
2022 CALIFORNIA FIRE CODE (CFC)  
2022 CALIFORNIA MECHANICAL CODE (CMC)  
2022 CALIFORNIA PLUMBING CODE (CPC)  
2022 CALIFORNIA ELECTRICAL CODE (CEC)  
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)

APPLICABLE STANDARDS

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN IN ADDITION TO 2022 CALIFORNIA BUILDING CODE CHAPTER 11B  
2022 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS  
2019 NFPA 14, STANDARD FOR THE INSTALLATION OF STANDPIPES AND HOSE SYSTEMS  
2022 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE  
2022 NFPA 20, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION  
2022 NFPA 24, STANDARD FOR INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES  
2023 NFPA 25, STANDARD FOR INSPECTION, TESTING AND MAINTENANCE OF WATER BASED FIRE PROTECTION SYSTEMS

PROJECT DESCRIPTION

THE NEW CITY OF MCFARLAND POLICE STATION IS A GROUND UP SINGLE-STORY NEW CONSTRUCTION LOCATED ON THE SOUTH WEST CORNER OF PARCEL 1 OF APN: 201-070-63 AND 201-070-64.

THE NEW BUILDING WILL ACCOMMODATE THE MCFARLAND POLICE DEPARTMENT STAFF, FUNCTION AS A TEMPORARY EMERGENCY OPERATION CENTER, AND INCLUDE A COMMUNITY CENTER TO SERVE THE PUBLIC. IT WILL BE DESIGNED AS AN ESSENTIAL SERVICES BUILDING. THE MAIN PORTION OF THE STRUCTURE WILL BE A PRE-ENGINEERED METAL BUILDING WITH INSULATED METAL PANELS, WHILE THE REST OF THE STRUCTURE WILL CONSIST OF CONCRETE MASONRY UNIT, INCLUDING TEMPORARY HOLDING CELLS.

THE SITE INCLUDES A SECURED PARKING LOT FOR THE MCFARLAND POLICE DEPARTMENT'S STAFF AND PUBLIC PARKING LOCATED OFF TAYLOR STREET.

BUILDING OCCUPANCY AND USE GROUPS CBC CHAPTER 3

BUILDING	DESCRIPTION OF USE	OCCUPANCY CLASSIFICATION
CITY OF MCFARLAND POLICE DEPARTMENT	CIVIC ADMINISTRATION	GROUP B
	DETENTION	GROUP I-3
	COMMUNITY ROOM	GROUP A-3
	STORAGE	GROUP S-1 (ACCESSORY OCCUPANCY)

MIXED USE AND OCCUPANCY (CBC 508)

THE CITY OF MCFARLAND POLICE DEPARTMENT IS BEING PROPOSED AS A NONSEPARATED OCCUPANCIES BUILDING WHICH CONSIST OF GROUP B, GROUP A-3, GROUP S-1. MEANWHILE, THE PROPOSED DETENTION AREA (I-3) AND VEHICLE SALLY PORT WILL BE SEPARATED FROM ALL OCCUPANCIES, IN ACCORDANCE WITH CBC SECTION 508.4, BY 2 HOUR RATE FIRE BARRIERS.

CONSTRUCTION TYPE/HEIGHT AND AREA (CBC CHAPTER 5)

CONSTRUCTION TYPE: TYPE I-B  
FIRE SUPPRESSION: FULLY SPRINKLERED

LIMITATION FOR ALLOWABLE HEIGHT, NUMBER OF STORIES, AND BUILDING AREA ARE SHOWN IN THE FOLLOWING TABLE FOR A TYPE I-B FULLY SPRINKLERED BUILDING. THE VALUES SHOWN BELOW ARE BASED ON A FULLY SPRINKLERED BUILDING PER THE MORE RESTRICTIVE OCCUPANT GROUP.

OCCUPANCY	HEIGHT (FT.)	# OF STORIES	ALLOWABLE AREA (S1) (SQ.FT) SINGLE-STORY BUILDING			
			ALLOWABLE	PROPOSED	ALLOWABLE	PROPOSED
B*	180	26	12	1	UNLIMITED	13,122
I-3	180	26	3	1	45,300	2,717
						TOTAL: 15,839

\* OCCUPANCY GROUP SHOWN AS GROUP B (MORE RESTRICTIVE OCCUPANT GROUP)

PROPOSED BUILDING IS A SINGLE STORY, 26' IN HEIGHT, AND HAS AN APPROXIMATELY 16,000 GROSS SQ.FT FOR POLICE OFFICE AREA AS OCCUPANT GROUP B, DETENTION AREA AND VEHICLE SALLY PORT AS OCCUPANT GROUP I-3. THE HEIGHT, NUMBER OF STORIES AND BUILDING AREA ALL COMPLY WITH LIMITATION OF THE CBC.



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

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McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025  
TITLE

LIFE SAFTEY CODE SUMMARY

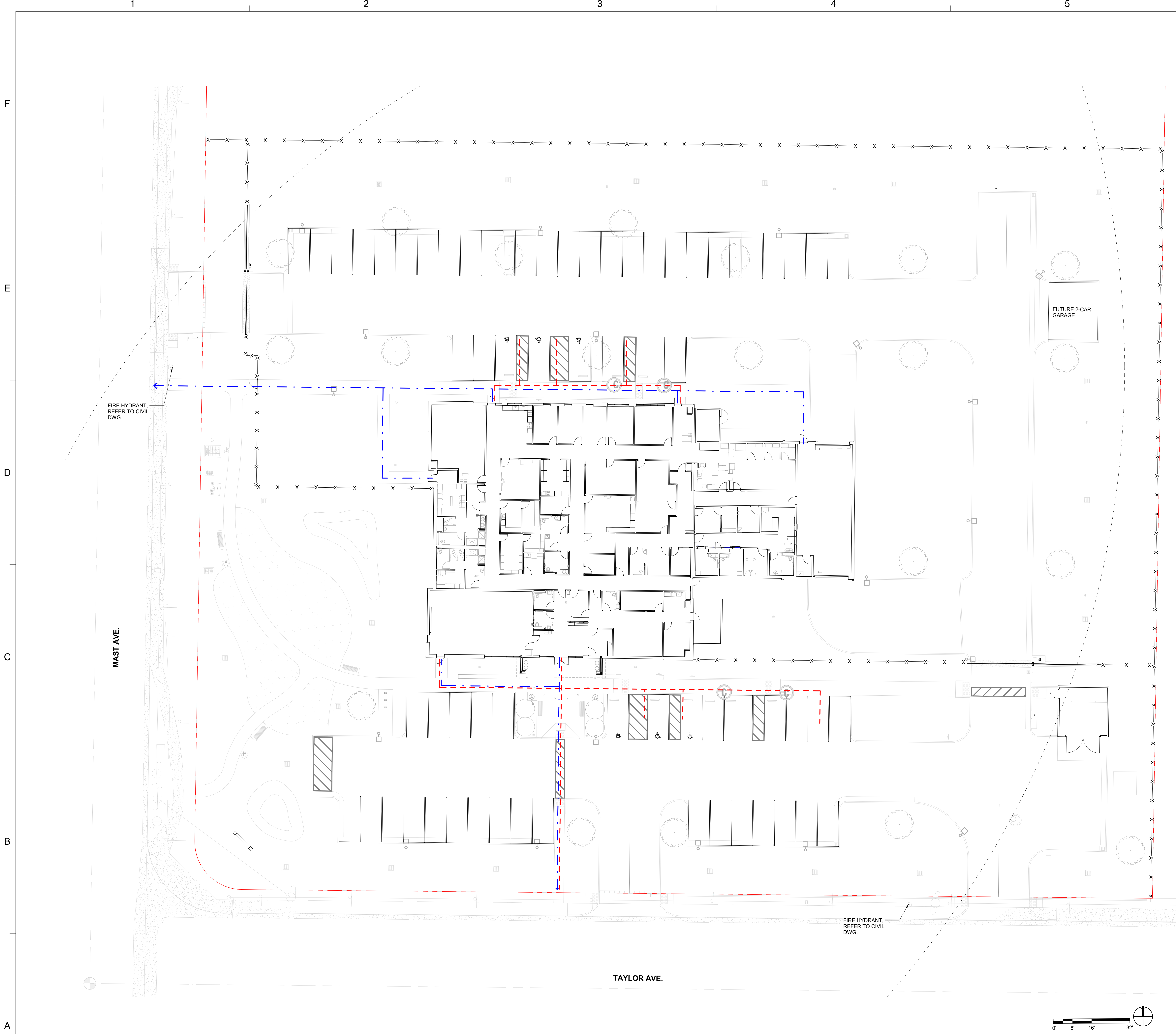
PROJECT NO. 50184767

LS-001

SHEET NO.



10/29/2025 2:12:51 PM



**A1 LIFE SAFETY SITE PLAN**  
Scale: 1/16" = 1'-0"

0' 8' 16' 32'

\* PLAN IS ORIENTED TO TRUE NORTH

SITE SYMBOLS	
	RIGHT OF WAY CENTER LINE
	PROPERTY LINE
	400' RADIUS FIRE HYDRANT COVERAGE
	EXIT DISCHARGE TO PUBLIC RIGHT OF WAY
	ACCESSIBLE PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED @ 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE; SURFACE IS SLIP RESISTANT, STABLE, FIRE AND SMOOTH; CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED; (P.O.T.) SHALL MAINTAIN FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4); AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM ALL AND ABOVE 27" AND LESS THAN 80" (11B-204, 11B-307).

FIRE HYDRANT INFORMATION	
NUMBER OF HYDRANTS MIN.	2
HYDRANT SPACING (ON-SITE)	500' MAX
MAX. DISTANCE FROM ANY POINT ON STREET TO FIRE HYDRANT.	250' MAX

- GENERAL NOTES**
1. THE AREA OF SCOPE OF WORK WILL BE CLASSIFIED AS A GROUP B AND I-3 OCCUPANCY IN ACCORDANCE WITH 2022 CBC, SECTION 303 AND 304. REFER TO LS-100 FOR DETAILS.
  2. FIRE EXTINGUISHERS SHALL BE A MINIMUM 2A:10B:C, WITH A TRAVEL DISTANCE NOT TO EXCEED 75' FROM ANY POINT. EXTINGUISHERS SHALL BE MOUNTED IN A CONSPICUOUS PLACE, EASILY ACCESSIBLE AND READILY AVAILABLE, AND SHALL BE ALONG NORMAL PATHS OF TRAVEL. EXTINGUISHERS SHALL BE MOUNTED SO THAT THE TOP OF THE EXTINGUISHER IS NO HIGHER THAN FIVE FEET ABOVE THE FINISHED FLOOR, WHERE EXTINGUISHERS MAY BE SUBJECT TO PHYSICAL DAMAGE THEY SHALL BE ADEQUATELY PROTECTED.
  3. REFER TO SHEET G-141 FOR DOOR CLEARANCE AND CLEAR FLOOR SPACE.

Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA

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402 Mast Avenue  
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KEY PLAN

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**LIFE SAFETY SITE PLAN**

PROJECT NO. 50184767

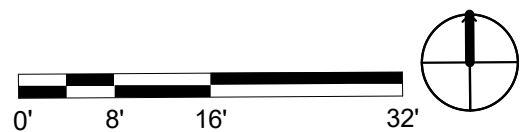
**LS-100**

SHEET NO.



F  
E  
D  
C  
B  
A

**A1 LIFE SAFETY PLAN**  
Scale: 1/8" = 1'-0"



LEGEND

- XXXXXXXXX ROOM NAME
- SQUARE FOOTAGE
- OCCUPANCY GROUP
- OCCUPANT LOAD
- OCCUPANCY LOAD FACTOR
- REQUIRED EGRESS WIDTH
- PROVIDED EGRESS WIDTH
- INDIVIDUAL ROOM OCCUPANCY LOAD
- COMBINED ROOM OCCUPANCY LOAD
- DENOTE PANIC HARDWARE REQUIRED
- 1 HOUR RATED OCCUPANCY SEPARATION  
UL DESIGN NO. U906
- EXIT TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- EXIT DISCHARGE TO PUBLIC RIGHT OF WAY
- SEMI-RECESSED FIRE EXTINGUISHER  
CABINET  
REF: SHEET G-401 FOR MOUNTING DETAILS
- ACCESSIBLE PATH OF TRAVEL
- ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED @ 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE; SURFACE IS SLIP RESISTANT, STABLE, FIRE AND SMOOTH; CROSS-SLOPE DOES NOT EXCEED 2% AND SLOP IN DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED; (P.O.T.) SHALL MAINTAIN FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4); AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM ALL AND ABOVE 27" AND LESS THAN 80" (11B-204, 11B-307).

GENERAL NOTES

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2. FIRE EXTINGUISHERS SHALL BE A MINIMUM 2A:10B:C, WITH A TRAVEL DISTANCE NOT TO EXCEED 75' FROM ANY POINT. EXTINGUISHERS SHALL BE MOUNTED IN A CONSPICUOUS PLACE, EASILY ACCESSIBLE AND READILY AVAILABLE, AND SHALL BE ALONG NORMAL PATHS OF TRAVEL. EXTINGUISHERS SHALL BE MOUNTED SO THAT THE TOP OF THE EXTINGUISHER IS NO HIGHER THAN FIVE FEET ABOVE THE FINISHED FLOOR, WHERE EXTINGUISHERS MAY BE SUBJECT TO PHYSICAL DAMAGE THEY SHALL BE ADEQUATELY PROTECTED.
3. REFER TO SHEET G-141 FOR DOOR CLEARANCE AND CLEAR FLOOR SPACE.

EGRESS PATH SCHEDULE

PATH NAME	PATH LENGTH
PATH 1-A	88'-7"
PATH 1-B	108'-9"
PATH 1-C	102'-4"
PATH 1-D	85'-1"
PATH 1-E	117'-11"
PATH 1-F	97'-1"

\* TEMPORARY HOLDING OCCUPANCY LOAD IS CALCULATED BY SEAT LENGTH @ 18" PER OCCUPANT  
\*\* HARD INTERVIEW ROOM OCCUPANCY LOAD IS CALCULATED BY NUMBER OF FIXED SEATS @ 1 OCCUPANT PER SEAT



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
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TITLE

LIFE SAFETY PLAN

PROJECT NO. 50184767

LS-101

SHEET NO.



1

2

3

4

5

6

SIGNAGE SCHEDULE - 3RD FLOOR - ARCHITECTURAL			
SIGN NUMBER	SIGNAGE TEXT	SIGN TYPE	COMMENTS
101	COMMUNITY ROOM	E1 & A1/G410	
102	RESTROOM	E1 & A1/G410	
103	RESTROOM	E1 & A1/G410	
104A	RECORDS	E1 & A1/G410	
104B	RECORDS	E1 & A1/G410	
105A	LIVE SCAN	E1 & A1/G410	
105B	LIVE SCAN	E1 & A1/G410	
106	RESTROOM	E1 & A1/G410	
107	SERVER	E1 & A1/G410	
108	SUPERVISOR OFFICE	E1 & A1/G410	
109	DISPATCH CENTER	E1 & A1/G410	
111	HALLWAY	E1 & A1/G410	
112	WOMEN'S RESTROOM	E1 & A1/G410	
112A	WOMEN'S LOCKER	E1 & A1/G410	
113	MEN'S RESTROOM	E1 & A1/G410	
113A	MEN'S LOCKER	E1 & A1/G410	
115	WATER HEATER	E1 & A1/G410	
116	FITNESS	E1 & A1/G410	
118	ADMINISTRATIVE SERGEANT	E1 & A1/G410	
119	LIEUTENANT OFFICE	E1 & A1/G410	
120	CAPTAIN OFFICE	E1 & A1/G410	
121	ASSISTANT CHIEF OFFICE	E1 & A1/G410	
122	POLICE CHIEF OFFICE	E1 & A1/G410	
123	BREIFING	E1 & A1/G410	
124	REPORT	E1 & A1/G410	
125A	GUN CLEANING	E1 & A1/G410	
125B	ARMORY	E1 & A1/G410	
126	ARMORY	E1 & A1/G410	
127	IDF ROOM	E1 & A1/G410	
128	MEN'S RESTROOM	E1 & A1/G410	
129	JANITOR CLOSET	E1 & A1/G410	
130	WOMEN'S RESTROOM	E1 & A1/G410	
131	SECURITY STORAGE	E1 & A1/G410	
132	WELLNESS	E1 & A1/G410	

SIGNAGE SCHEDULE - 3RD FLOOR - ARCHITECTURAL			
SIGN NUMBER	SIGNAGE TEXT	SIGN TYPE	COMMENTS
133	STORAGE	E1 & A1/G410	
134	SERGEANT OFFICE	E1 & A1/G410	
135A	DETECTIVE SERGEANTS	E1 & A1/G410	
135B	DETECTIVE SERGEANTS	E1 & A1/G410	
136	CONFERENCE & MAJOR CASE ROOM	E1 & A1/G410	
137A	OBSERVATION ROOM	E1 & A1/G410	
137B	OBSERVATION ROOM	E1 & A1/G410	
138	OFFICE	E1 & A1/G410	
139	OFFICE	E1 & A1/G410	
140A	INTERVIEW SUITE	E1 & A1/G410	
140B	INTERVIEW SUITE	E1 & A1/G410	
141	RESTROOM	E1 & A1/G410	
142	INTERVIEW	E1 & A1/G410	
143	INTERVIEW	E1 & A1/G410	
144	BAG & TAG	E1 & A1/G410	
145B	PROPERTY	E1 & A1/G410	
146	EVIDENCE PROCESS	E1 & A1/G410	
147	WEAPONS	E1 & A1/G410	
148	DRUGS	E1 & A1/G410	
149	VALUABLE STORAGE	E1 & A1/G410	
150	STAFF	E1 & A1/G410	
151	REPORT & TEMPORARY JUVENILE HOLDING	E1 & A1/G410	
152	JUVENILE HOLDING	E1 & A1/G410	
153	WATER HEATER & JANITOR CLOSET	E1 & A1/G410	
157	HARD INTERVIEW	E1 & A1/G410	
158	RESTROOM	E1 & A1/G410	
159A	BOOKING	E1 & A1/G410	
159B	BOOKING	E1 & A1/G410	
160	SALLYPORT	E1 & A1/G410	
161	ELECTRIC ROOM	E1 & A1/G410	
162	BLOOD DRYING ROOM	E1 & A1/G410	
ALS	ASSISTIVE LISTENING SYSTEM SIGN	E3/G410	
ALS	ASSISTIVE LISTENING SYSTEM SIGN	E3/G410	

SIGNAGE SCHEDULE - 3RD FLOOR - ARCHITECTURAL			
SIGN NUMBER	SIGNAGE TEXT	SIGN TYPE	COMMENTS
ER	EXIT ROUTE	B1/G410	
ER	EXIT ROUTE	B1/G410	
ER	EXIT ROUTE	B1/G410	
ER	EXIT ROUTE	B1/G410	
ER	EXIT ROUTE	B1/G410	
EX	EXIT	B1/G410	
EX	EXIT	B1/G410	
EX	EXIT	B1/G410	
EX	EXIT	B1/G410	
EX	EXIT ROUTE	B1/G410	
MAX.OCC.	MAXIMUM OCCUPANCY	B4/G410	

KEYNOTES PER SHEET	
NOTE	DESCRIPTION



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
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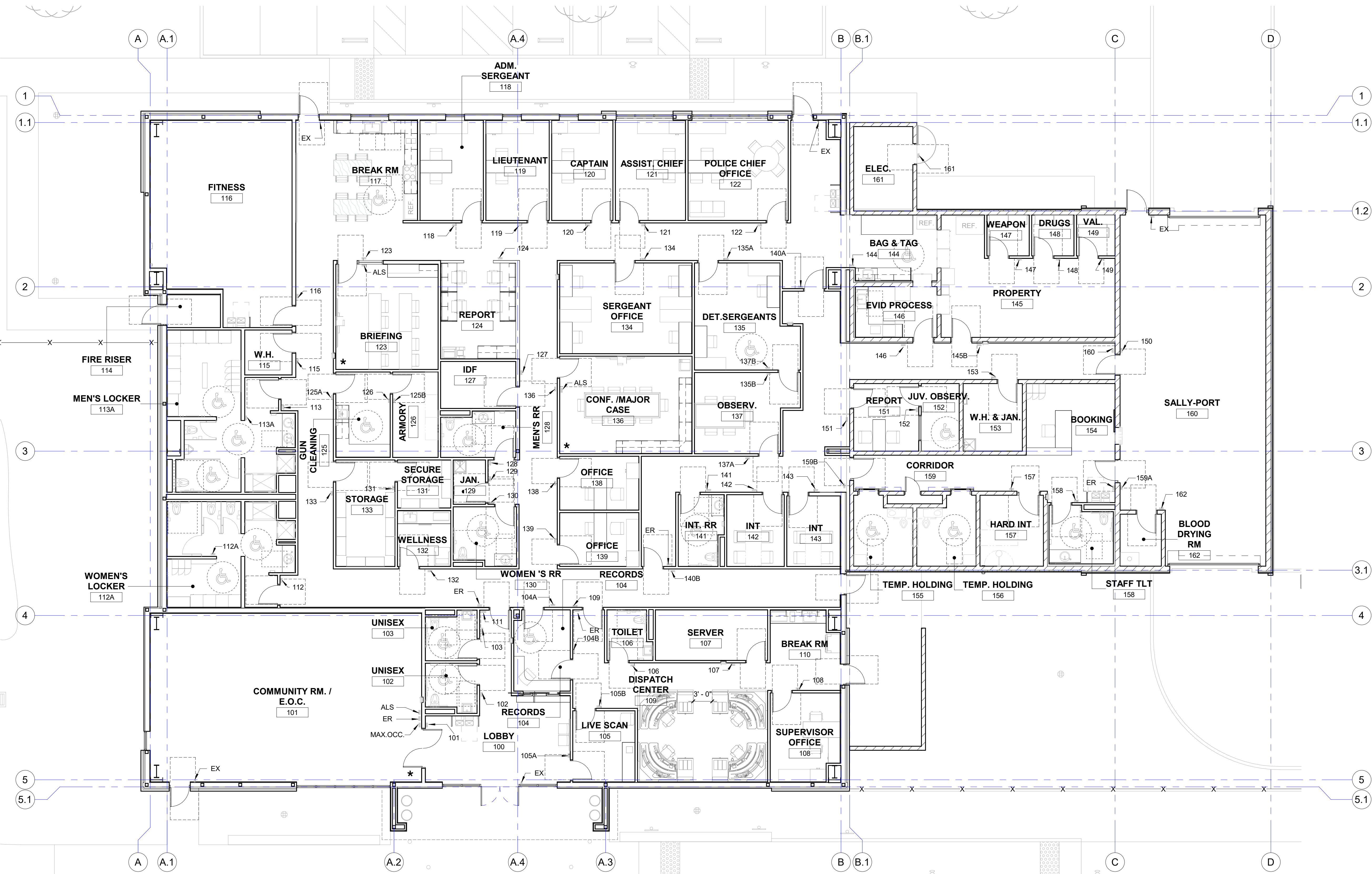
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ACCESSIBILITY COMPLIANCE & SIGNAGE PLAN

PROJECT NO. 50184767

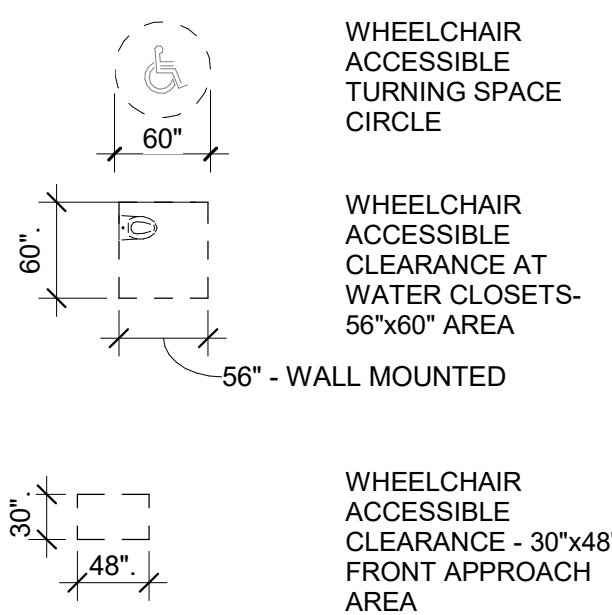
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SHEET NO.



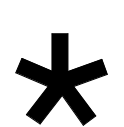
A1 ACCESSIBILITY PLAN  
Scale: 1/8" = 1'-0"

ACCESSIBILITY PLAN LEGEND - NTS



ACCESSIBILITY PLAN GENERAL NOTES

- REFER TO SHEET LS-001 FOR LIFE SAFETY CODE SUMMARY AND APPLICABLE CODES
- REFER TO G-400 FOR TYP. MOUNTING HEIGHTS & ACCESSIBILITY CLEARANCES FOR PLUMBING FIXTURES AND ACCESSORIES.
- REFER TO G-400 FOR TYP. MOUNTING HEIGHTS & ENLARGED PLANS FOR ACCESSIBILITY CLEARANCES
- REFER TO G-410 FOR SIGNAGE TYPE & DETAILS
- PROVIDE ASSERTIVE LISTENING DEVICE AND REQUIRED SIGNAGE IN EACH ROOM IDENTIFIED WITH AN ASTERISK TO COMPLY WITH CBC 11B-219.2. REFER TO E3/G-410 FOR DETAILS.





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KEY PLAN

SCALE

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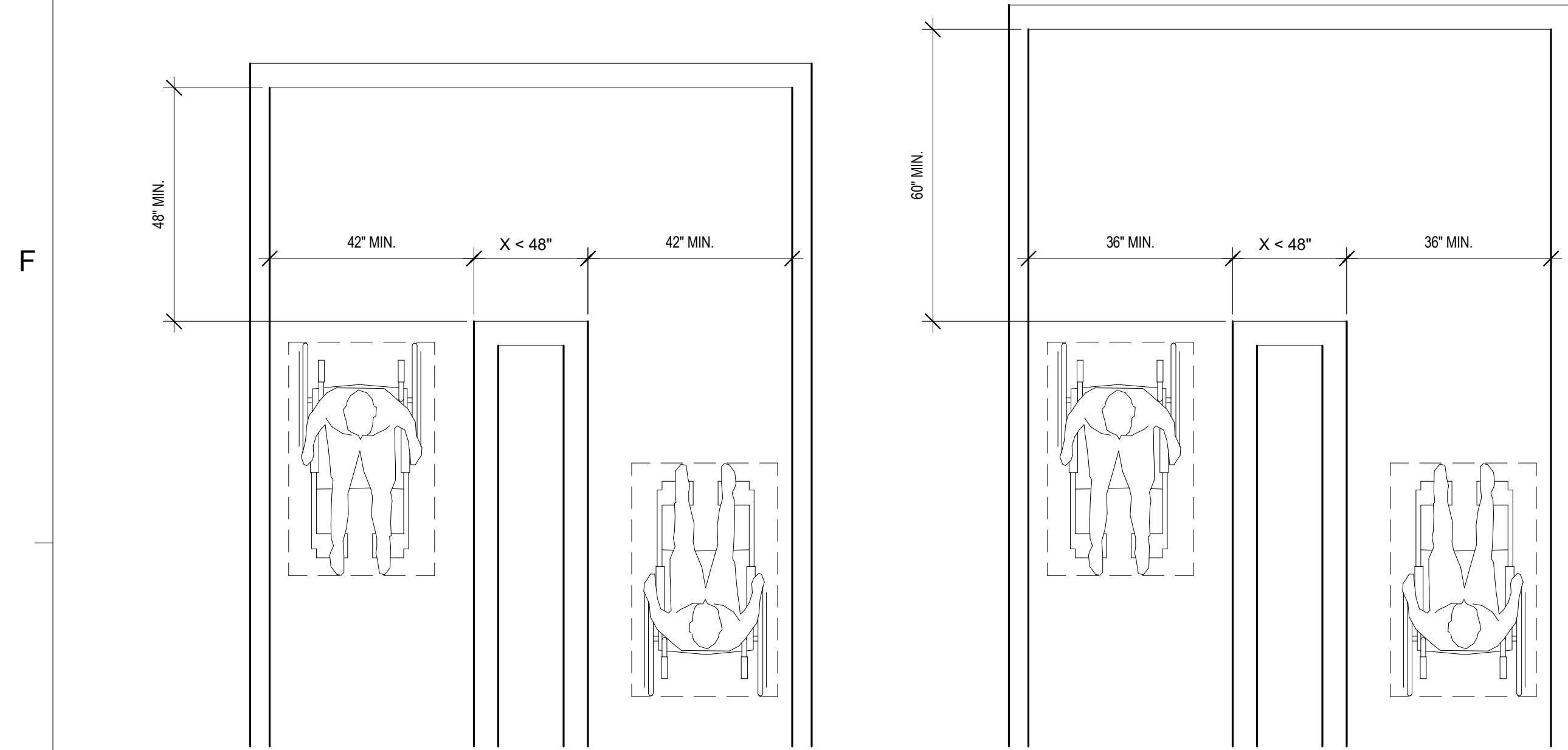
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ACCESSIBILITY  
DIAGRAMS

PROJECT NO. 50184767

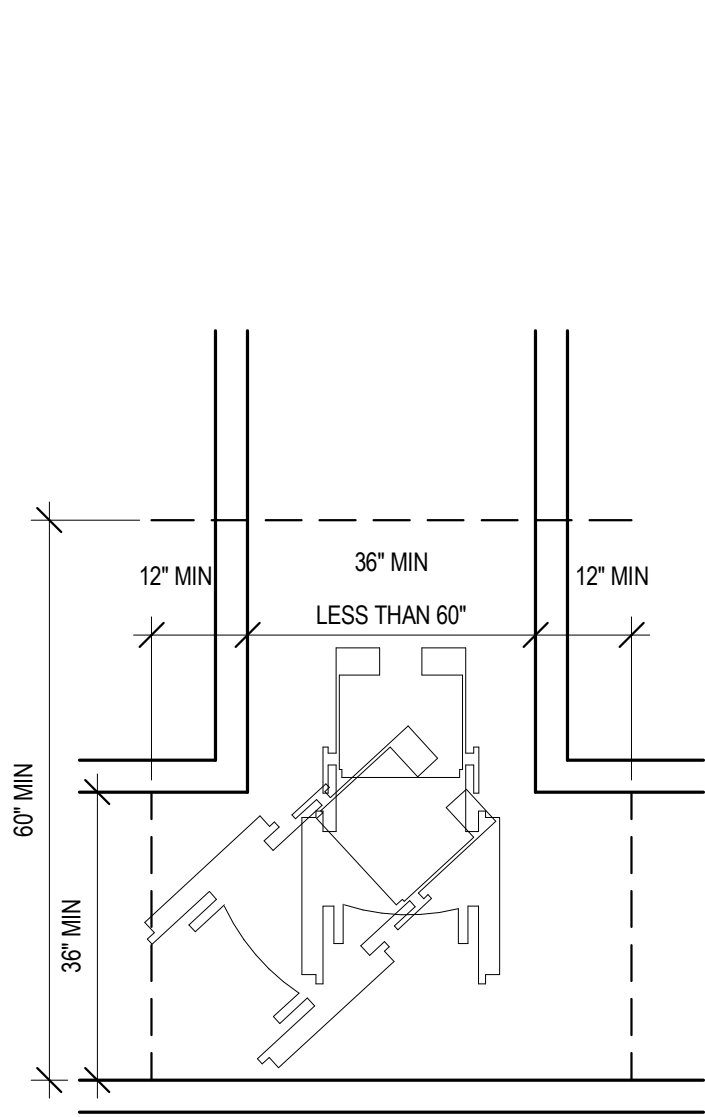
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G-142

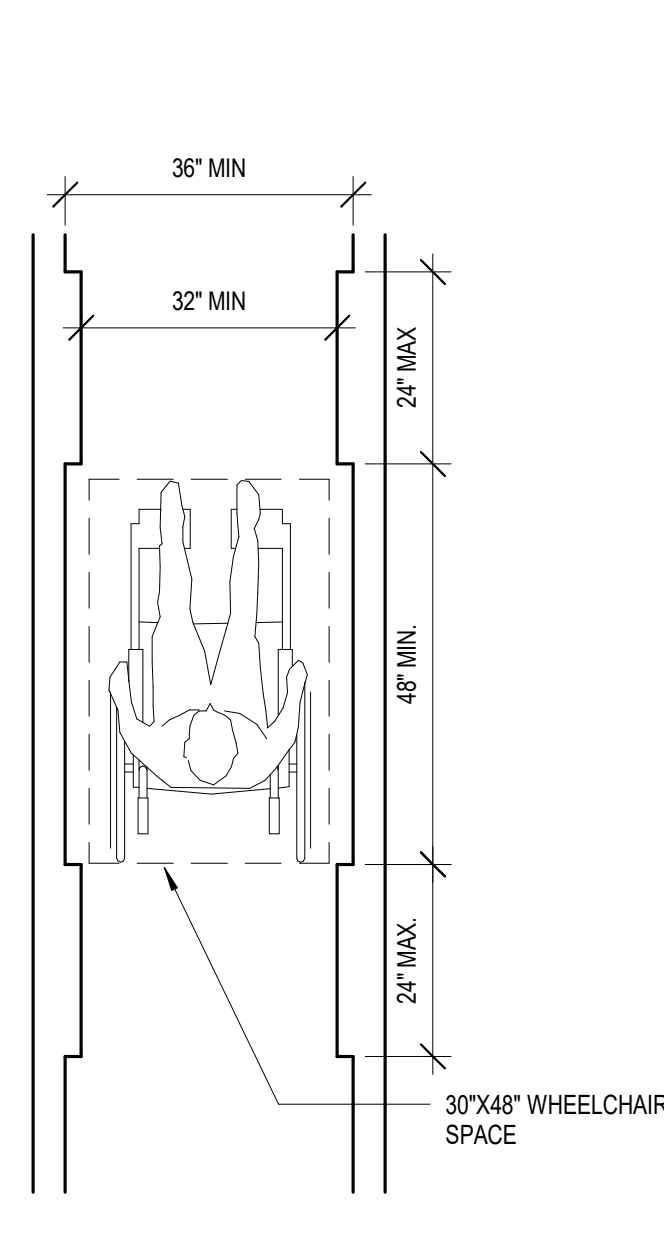


A. 180 DEGREE TURN  
REF: CBC Figure 11B-403.5.2  
2010 ADA Standard  
(ADAS) 403.5.2

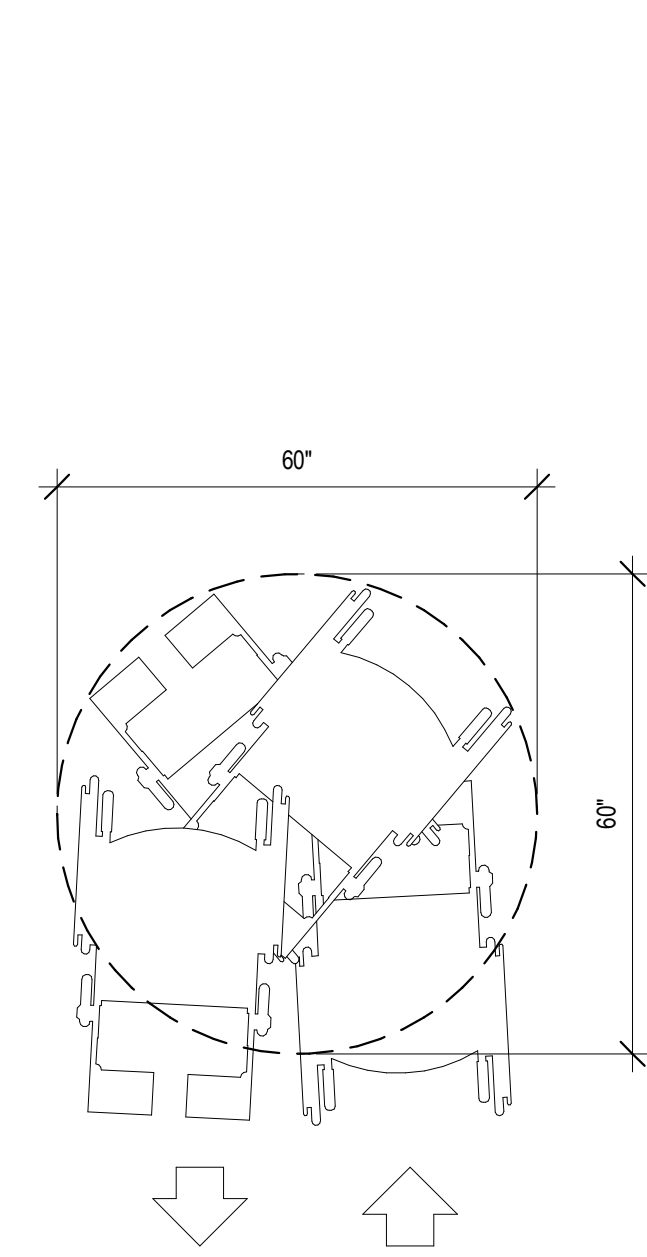
B. 180 DEGREE TURN- EXCEPTION  
REF: CBC Figure 11B-403.5.2  
2010 ADA Standard  
(ADAS) 403.5.2



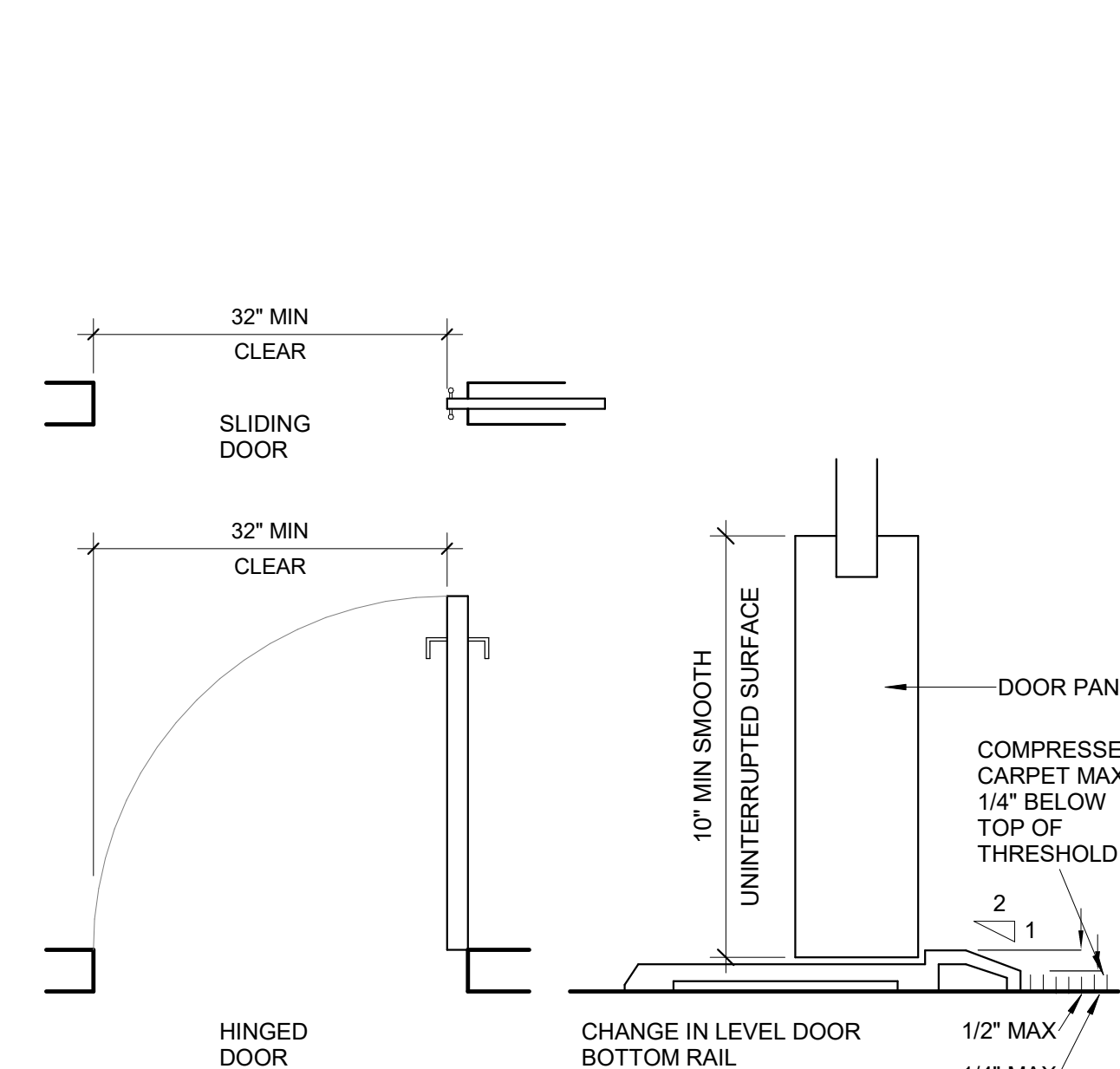
A. T-SHAPED TURNING SPACE  
REF: CBC Figure 11B-304.3.2  
ADA Standard  
(ADAS) 304.2 & 304.3.2



B. MINIMUM CLEAR WIDTH  
REF: CBC Figure 11B-403.5.1  
ADA Standard  
(ADAS) 403.5.1  
Exception 2: for occupant load of 10 or more  
clear width of corridor to be 44" Min.



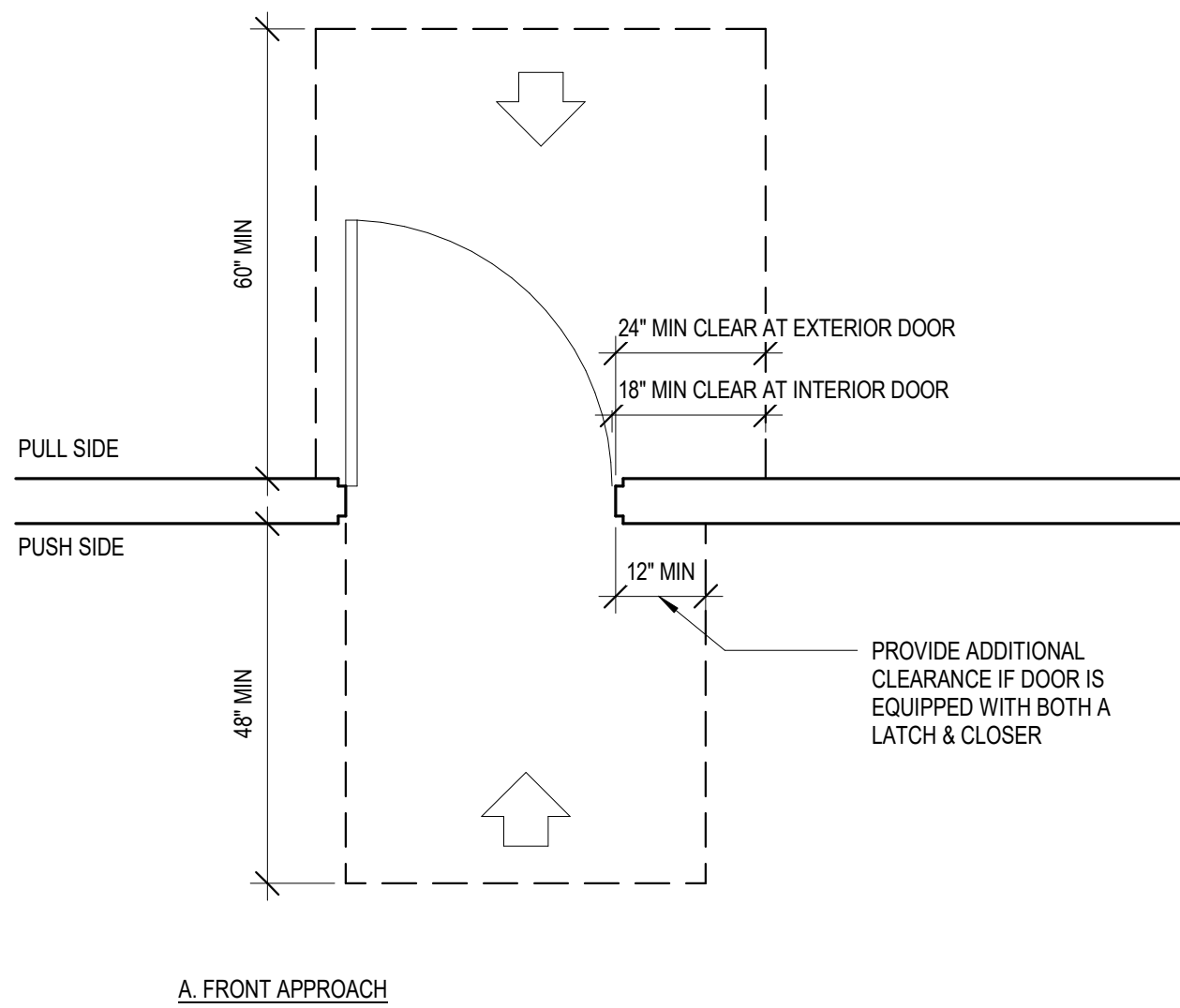
A. CIRCULAR TURN  
REF: CBC 11B-304.3.1  
2010 ADA Standard  
(ADAS) 304.3.1



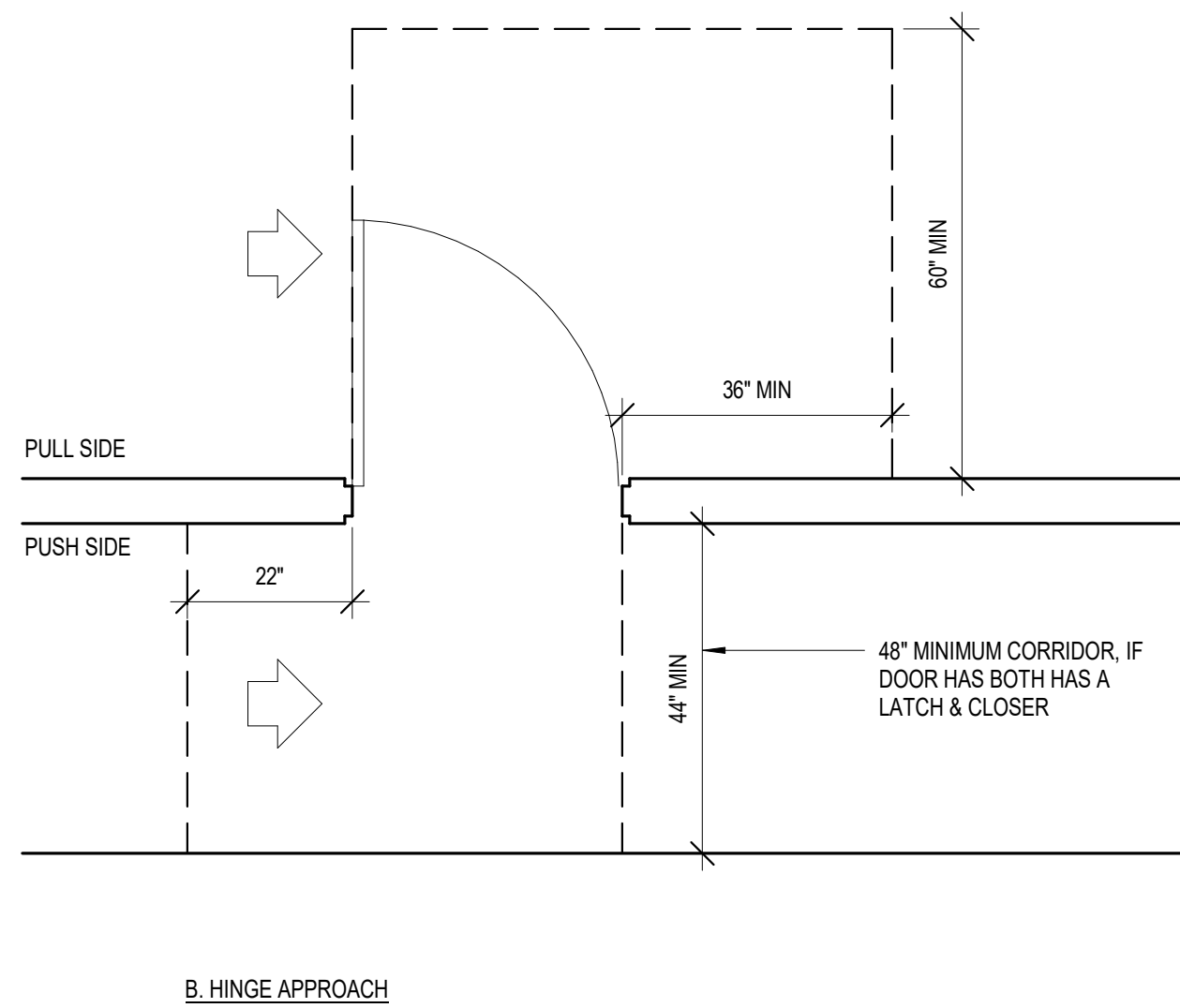
NOTE: NEW BUILDING INTERIOR AND EXTERIOR THRESHOLDS WILL BE REQUIRED TO BE NO HIGHER THAN 1/2" ABOVE THE ADJACENT FLOOR LEVELS. EACH EXPOSED EDGE OF THRESHOLDS IS REQUIRED TO BE BEVELED OR SLOPED AT AN ANGLE NOT TO EXCEED 45 DEGREES SO THAT NO VERTICAL CHANGE OF ELEVATION EXCEEDS 1/4" INCH.  
REF: CBC 11B-303.3  
11B-404.2.4.1  
11B-404.2.5  
ADA 404.2

## D1 WHEELCHAIR MINIMUM CLEAR SPACE

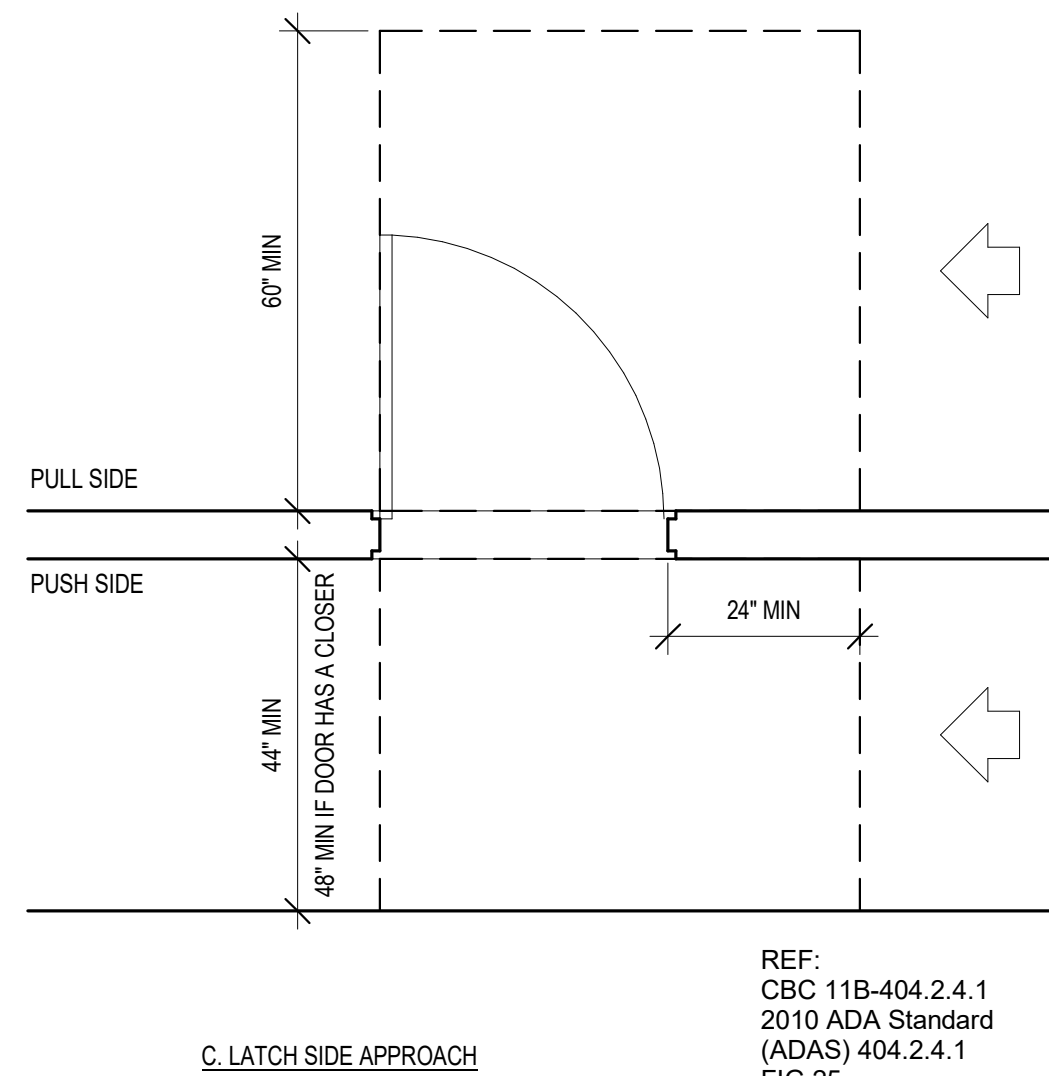
Scale: 1/2" = 1'-0"



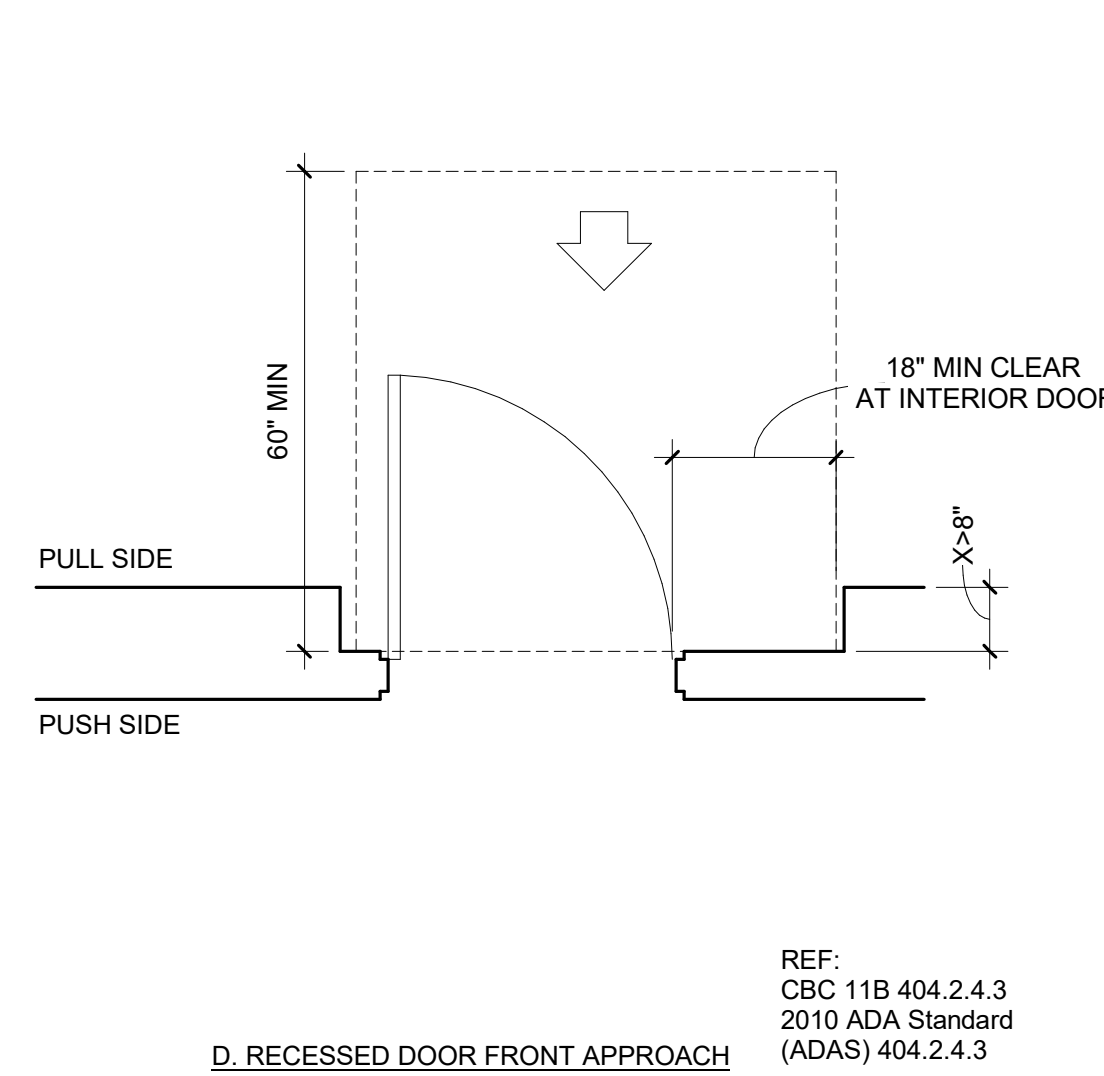
A. FRONT APPROACH



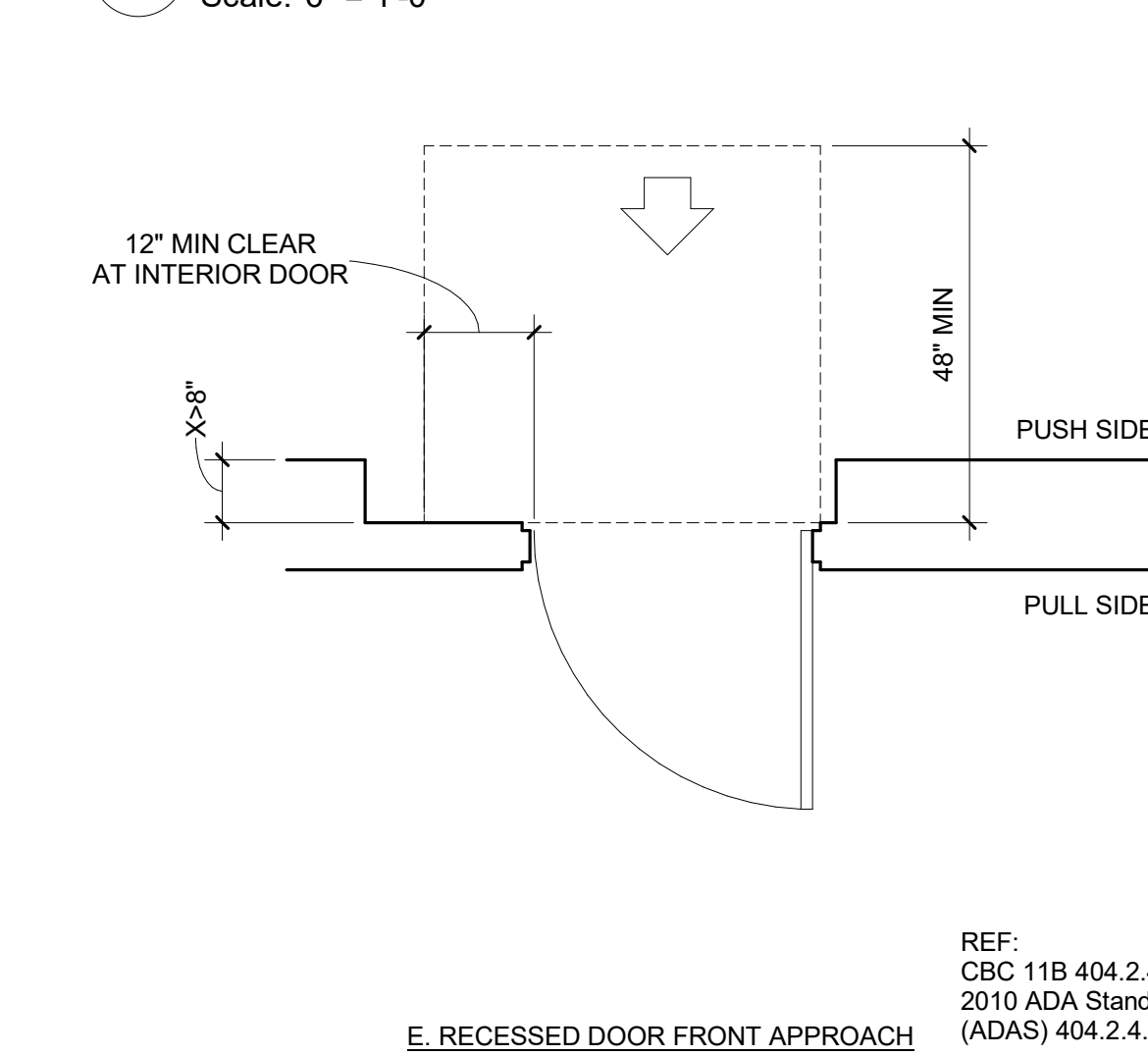
B. HINGE APPROACH



C. LATCH SIDE APPROACH



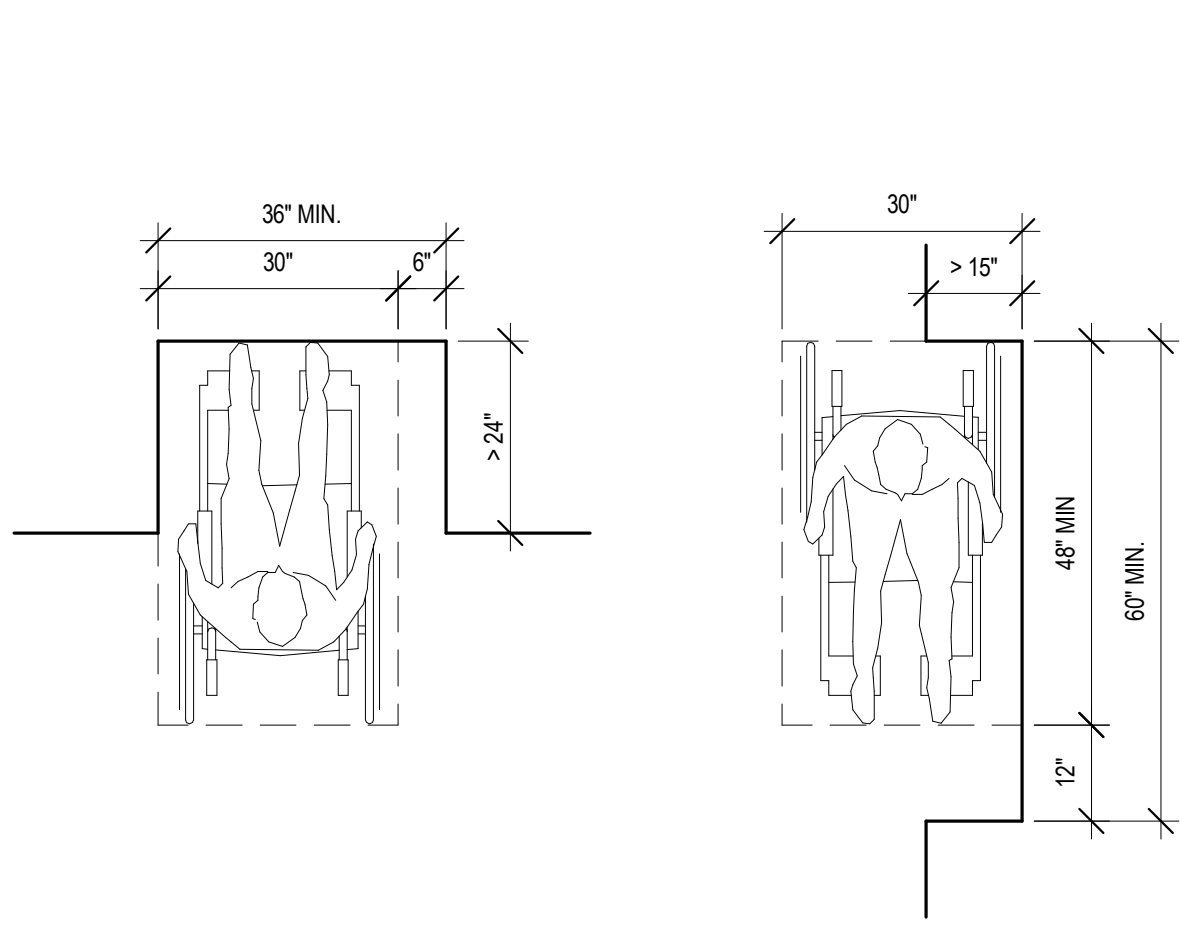
D. RECESSED DOOR FRONT APPROACH



E. RECESSED DOOR FRONT APPROACH

## C1 DOOR SWING CLEAR SPACE

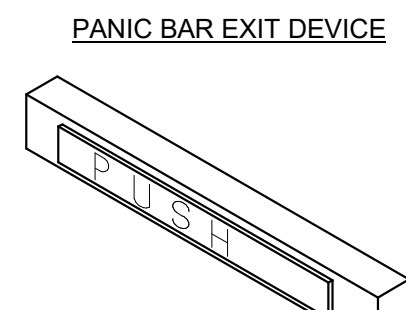
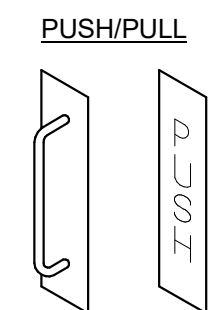
Scale: 1/2" = 1'-0"



A. FORWARD APPROACH  
REF: CBC Figure 11B-305.7.1  
2010 ADA Standard  
(ADAS) 305.7.1

B. SIDE APPROACH  
REF: CBC Figure 11B-305.7.2  
2010 ADA Standard  
(ADAS) 305.7.2

LEVERS  
PUSH/PULL  
PANIC BAR EXIT DEVICE



NOTE: DOOR HARDWARE IS MOUNTED 34" MIN - 44" MAX FROM FINISH FLOOR TO TOP OF THE DEVICE.

LATCHING & LOCKING DOORS THAT ARE HAND OPERATED AND WHICH ARE IN A PATH OF TRAVEL ARE OPERABLE WITH A SINGLE EFFORT (LEVER, PUSH/PULL, PANIC BAR OR OTHER HARDWARE ASSIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE).

MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LB. WHEN FIRE DOORS ARE REQUIRED THE MAX EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE AUTHORITY, NOT TO EXCEED 15 LB.

DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. (CBC 11B-404.2.6.1)

PANIC HARDWARE SHALL BE LISTED IN ACCORDANCE WITH UL 305.

FIRE EXIT HARDWARE SHALL BE LISTED IN ACCORDANCE WITH UL 10C AND UL 305.

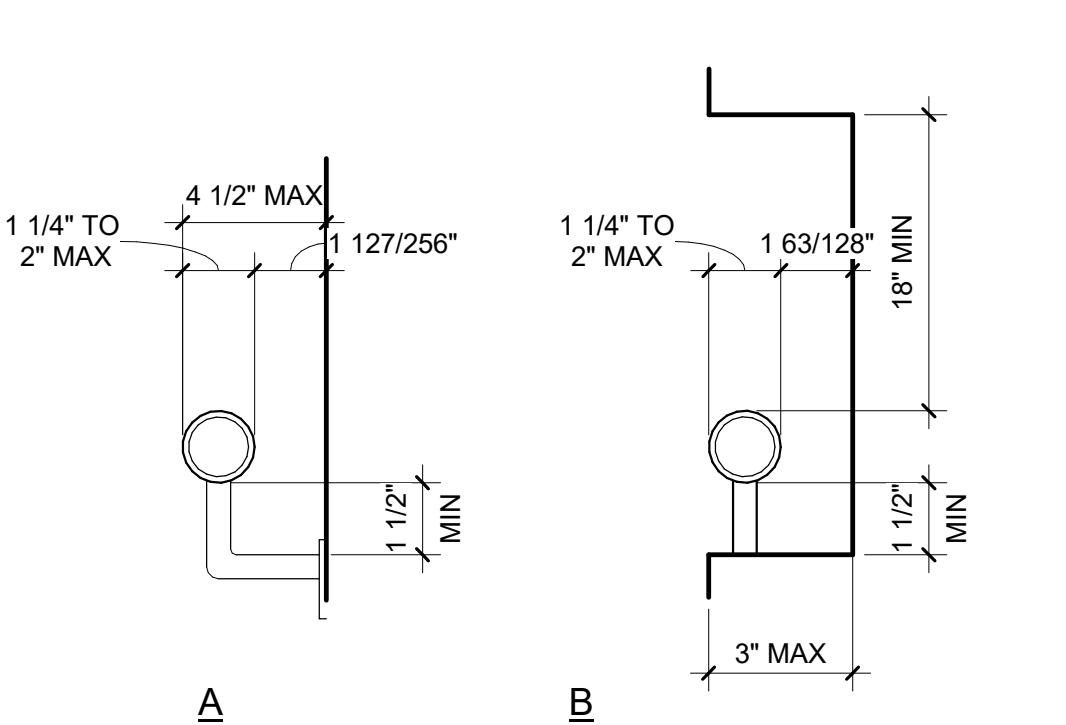
THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND NOT LESS THAN ONE-HALF OF THE DOOR LEAF WIDTH.

THE MAXIMUM UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS.

REF: CBC 11B-404.2.7  
CBC 11B-404.2.8.1  
CBC 11B-404.2.9

## B1 WHEELCHAIR MANEUVERING SPACE

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



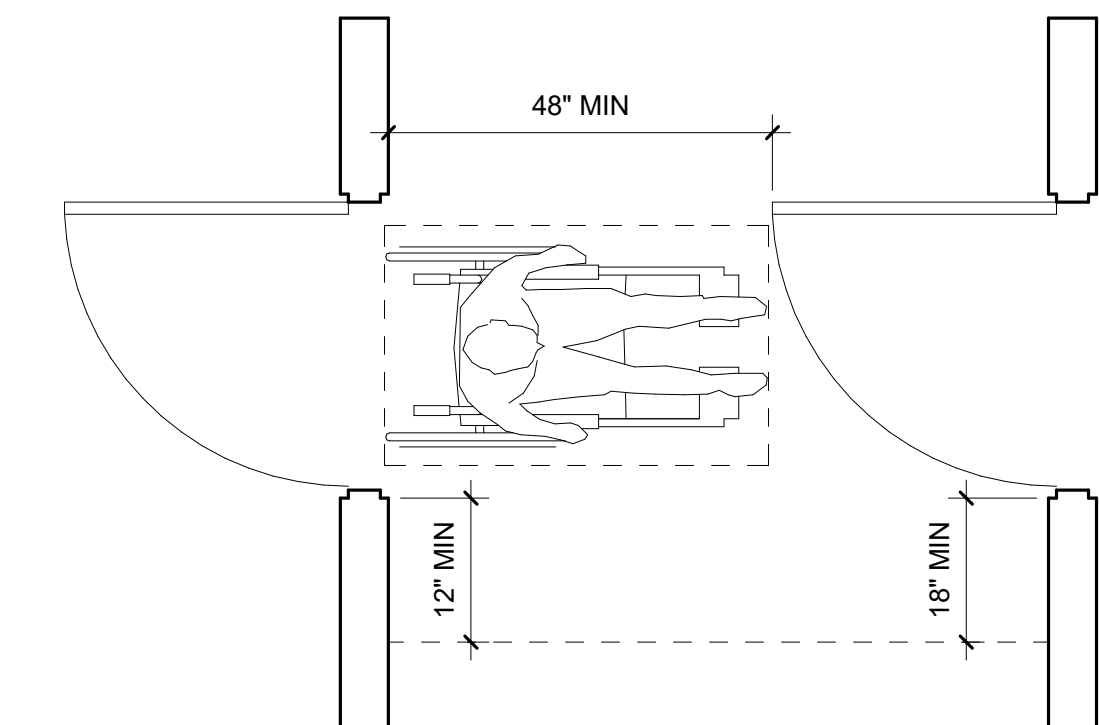
A

B

REF: CBC 11B-505.7.1  
2010 ADA Standard  
(ADAS) 505.7.1

## B2 DOOR HARDWARE

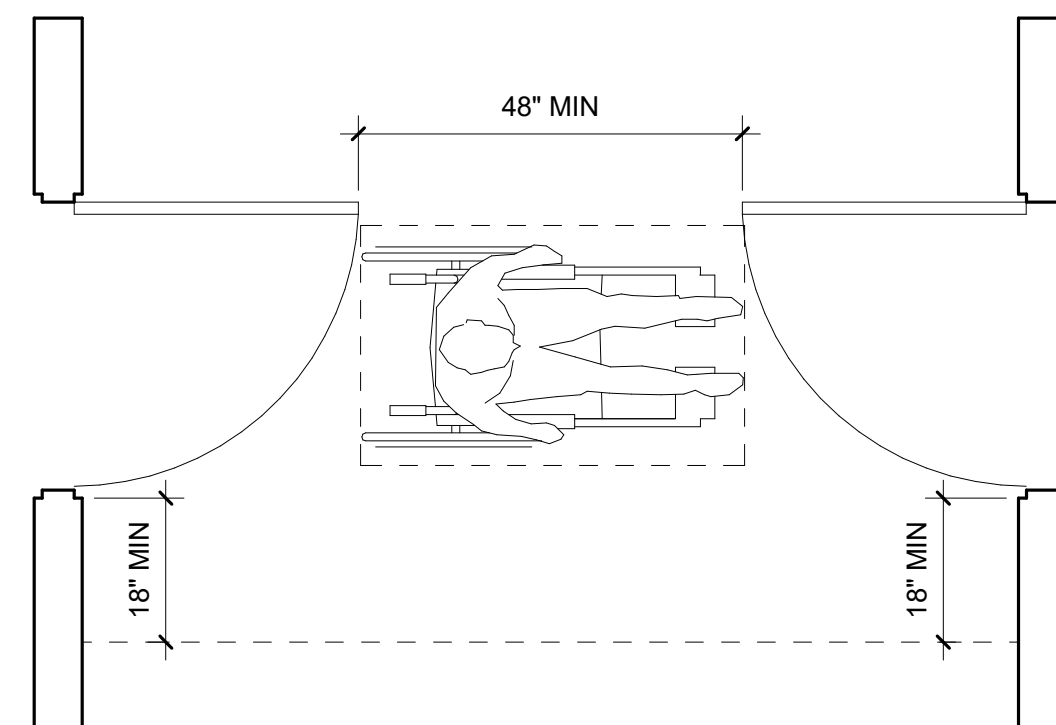
Scale: 3/4" = 1'-0"



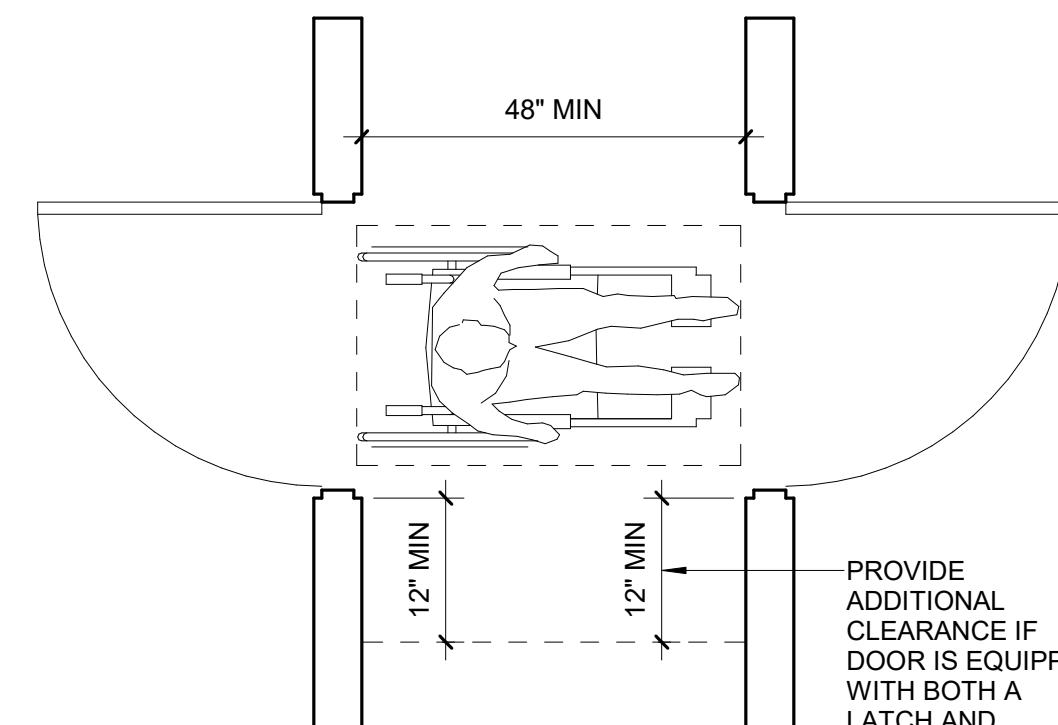
A

## B3 PROTRUDING OBJECTS

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



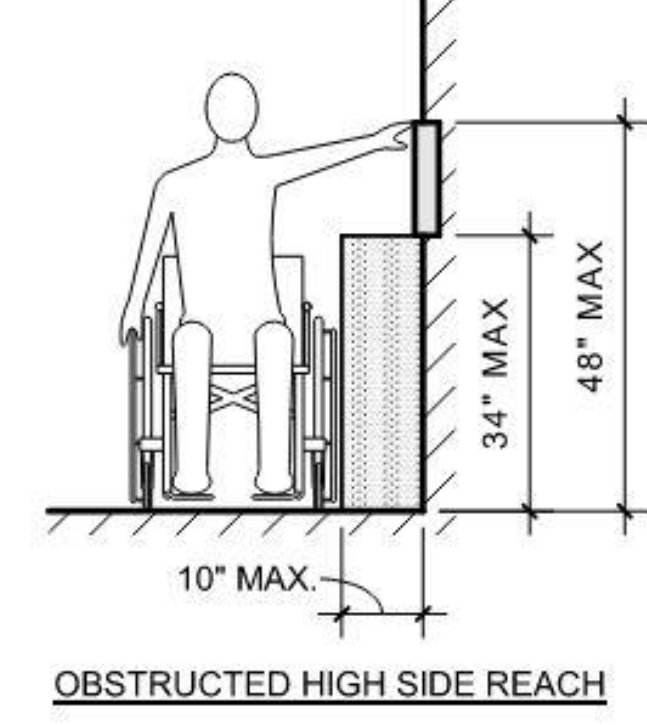
B



C

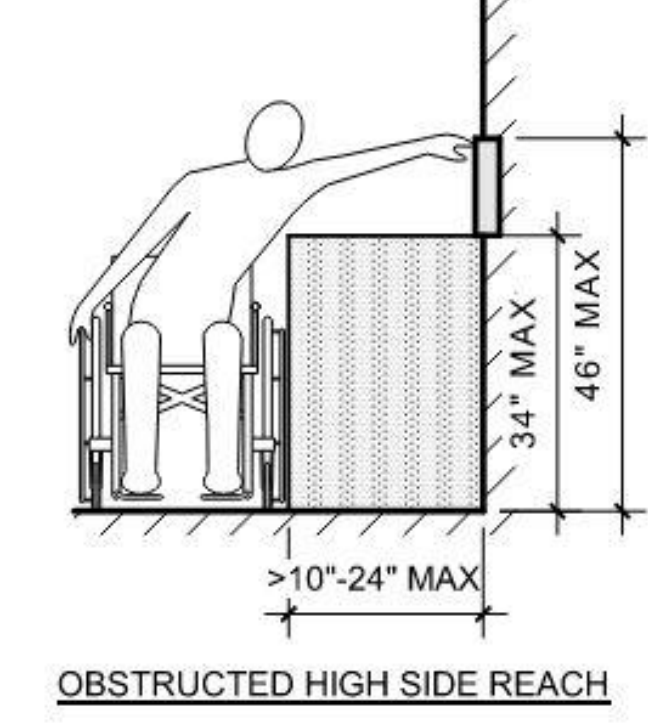
PROVIDE ADDITIONAL CLEARANCE IF DOOR IS EQUIPPED WITH BOTH A LATCH AND CLOSER

CBC Figure 11B-404.2.6  
2010 ADA Standard  
(ADAS) 404.2.6  
Figure ADAS 404.2.6



UNOBSTRUCTED SIDE REACH

OBSTRUCTED HIGH SIDE REACH



OBSTRUCTED HIGH SIDE REACH

REF: CBC 11B-308.3  
2010 ADA Standard  
(ADAS) 308.3

## A3 MINIMUM CLEARANCE FOR COUNTER

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

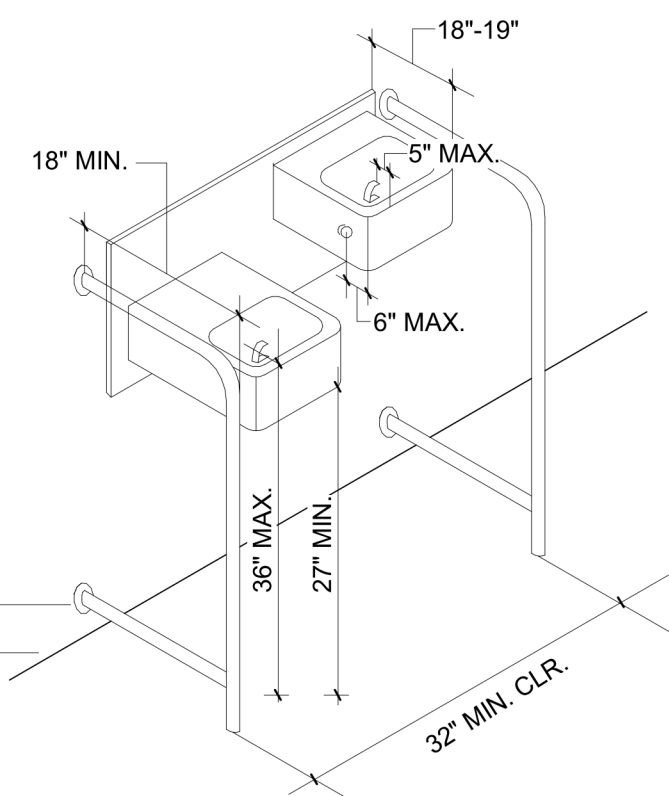
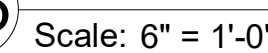
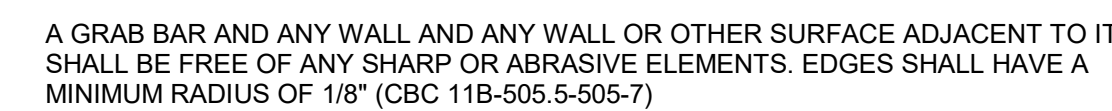
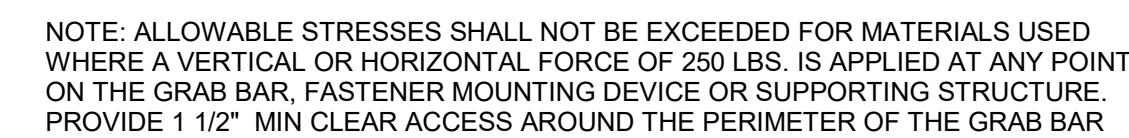
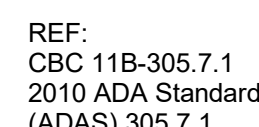
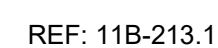
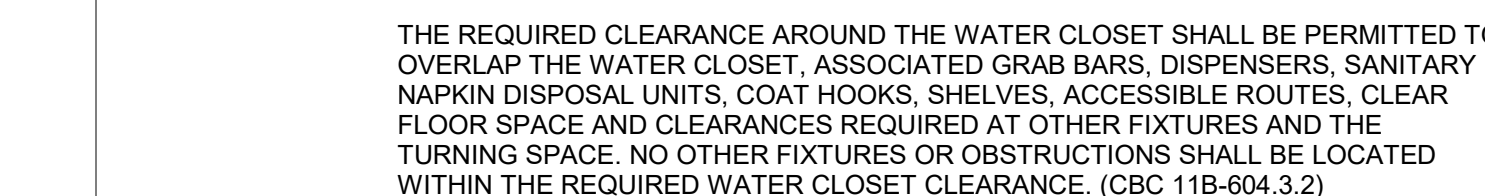
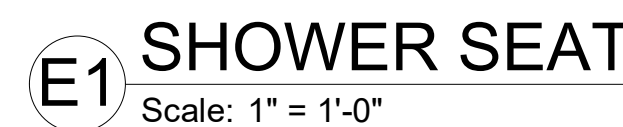
## A1 HANDRAILS

Scale: 3" = 1'-0"

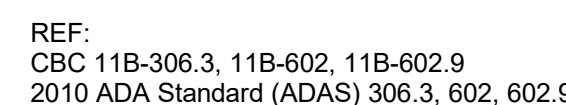
## A2 TWO HINGED DOORS IN SERIES

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





1. DRINKING FOUNTAIN SHALL BE ACCESSIBLE.
2. DRINKING FOUNTAIN SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCRoACH INTO PEDESTRIAN WAYS. THE ALCOVE IN WHICH THE WATER FOUNTAIN IS LOCATED SHALL NOT BE LESS THAN 30" X 30" IN AREA.
3. DRINKING FOUNTAIN SHALL BE A MINIMUM OF 18" AND A MAXIMUM OF 19" IN DEPTH AND THERE SHALL BE A CLEAR AND UNOBSTRUCTED KNEE SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27" IN HEIGHT, 30" IN WIDTH AND 18" IN DEPTH WITH THE CLEARANCE MEASURED FROM THE FRONT EDGE OF THE FOUNTAIN.
4. THERE SHALL BE TOW CLEARANCE OF 9" IN HEIGHT ABOVE THE FLOOR, AND 17" IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN.
5. A CLEAR FLOOR SPACE AT LEAST 30" X 48" SHALL BE PROVIDED IN FRONT OF THE DRINKING FOUNTAIN TO ALLOW FORWARD APPROACH.
6. THE DRINKING FOUNTAIN BUBBLER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM THAT IS FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6" OF THE FRONT EDGE OF THE FOUNTAIN OR AN ELECTRONICALLY CONTROLLED DEVICE.
7. THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 5" OF THE FRONT OF THE DRINKING FOUNTAIN AND THE BUBBLER SHALL BE LOCATED WITHIN 18" OF THE FRONT OF THE FOUNTAIN. THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT EDGE OF THE DRINKING FOUNTAIN.





10/29/2025 2:12:41 PM

B

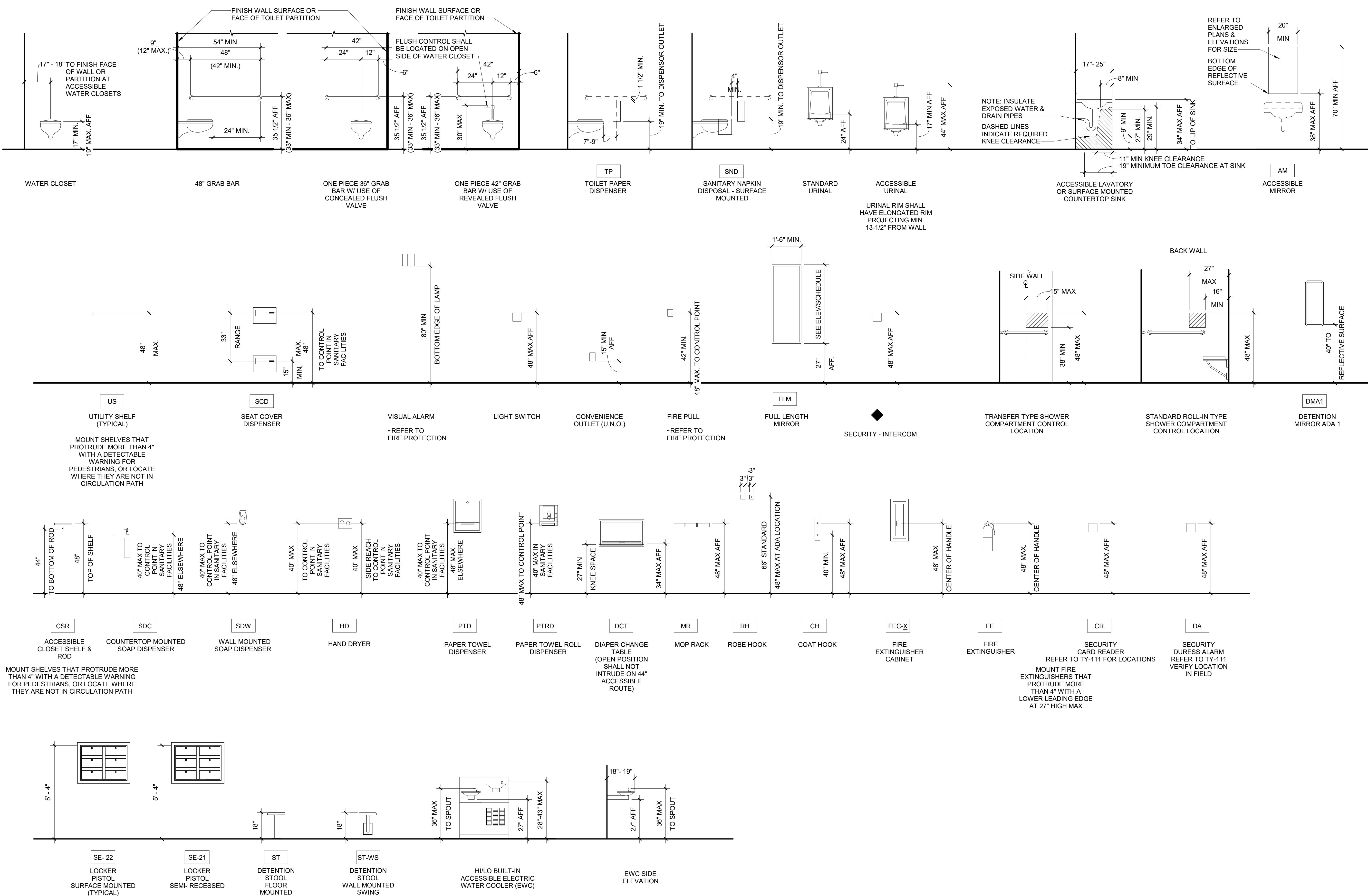
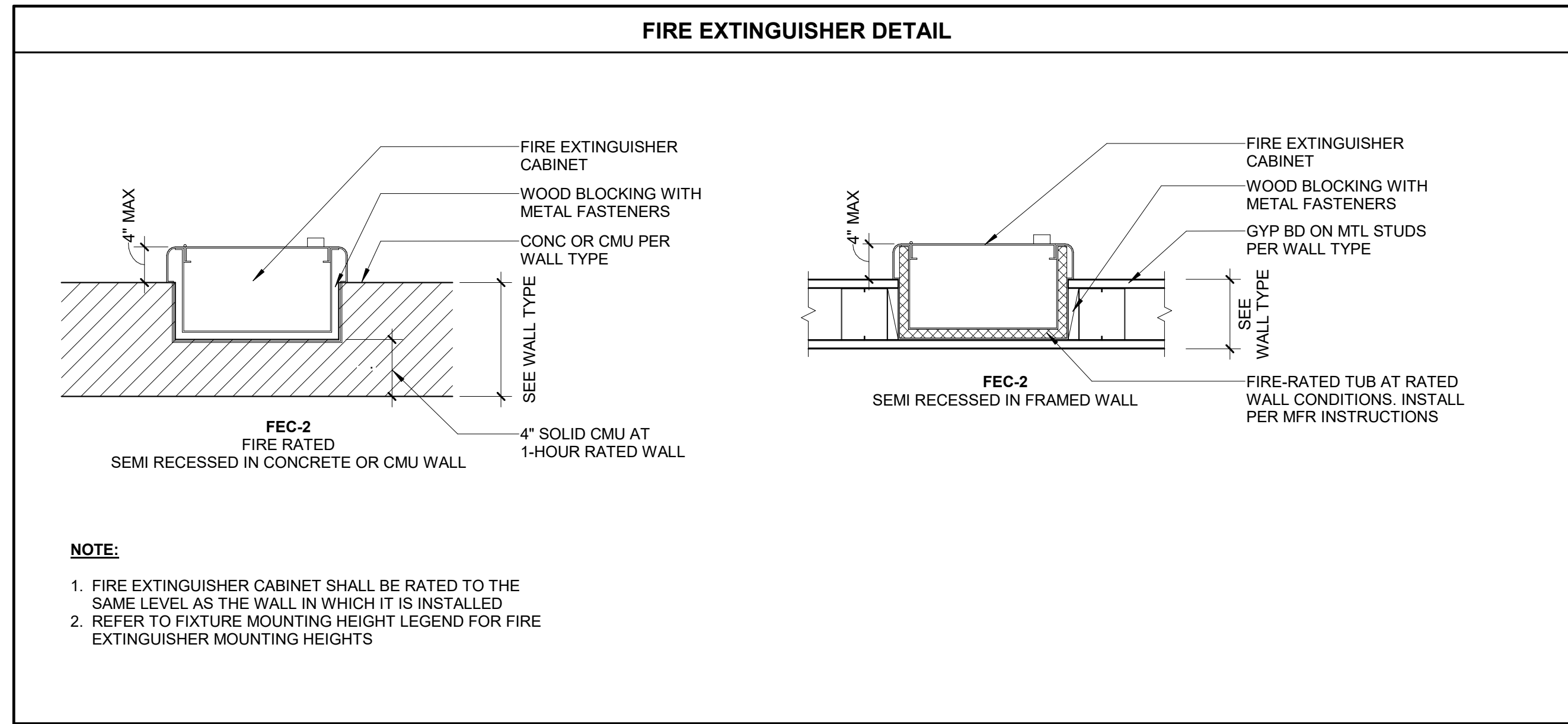
A

C

D

E

F



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

TYPICAL FIXTURE  
MOUNTING  
HEIGHTS

PROJECT NO. 50184767

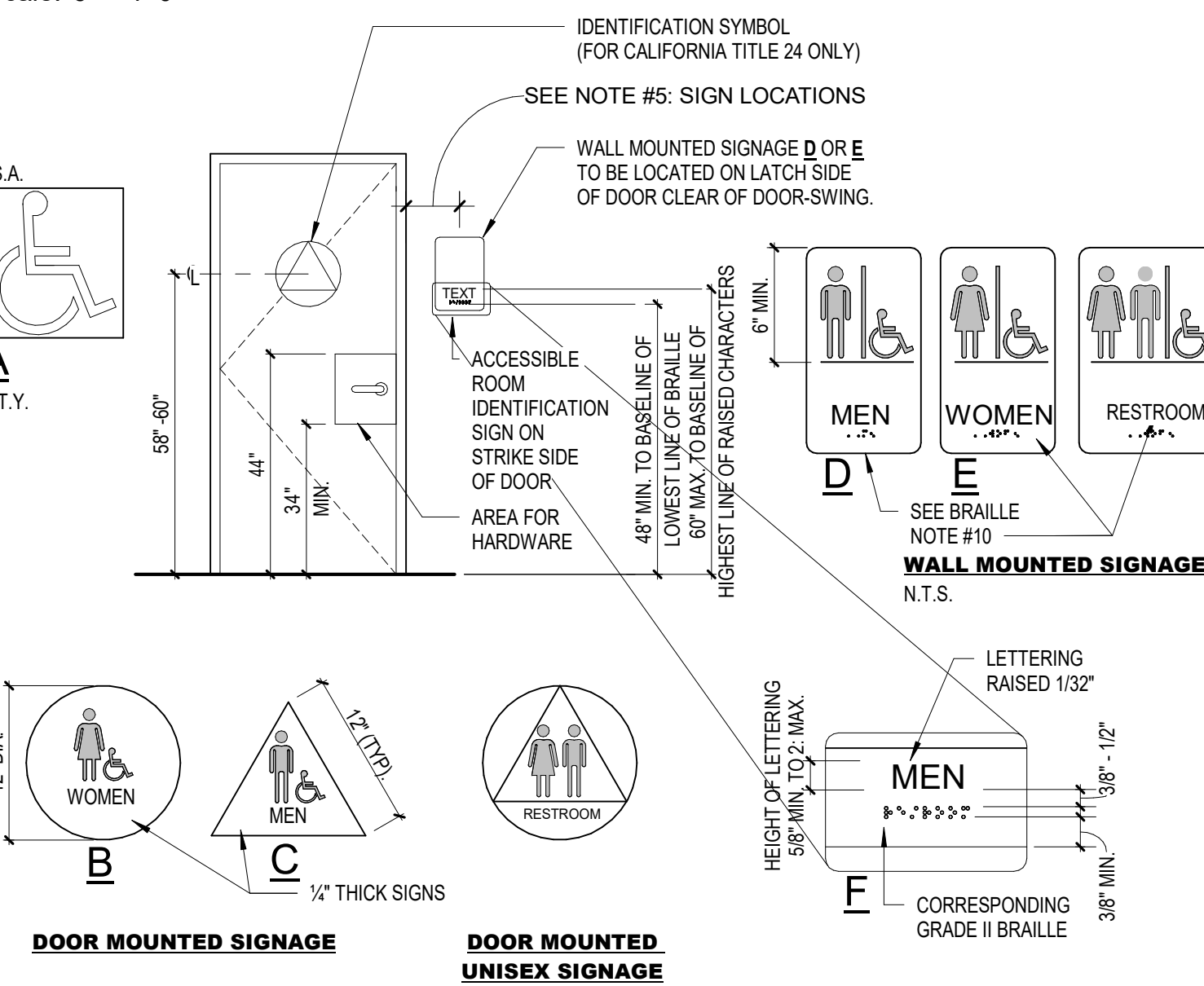
G-400

SHEET NO.



# A1 RESTROOM SIGNS/ PICTOGRAMS

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

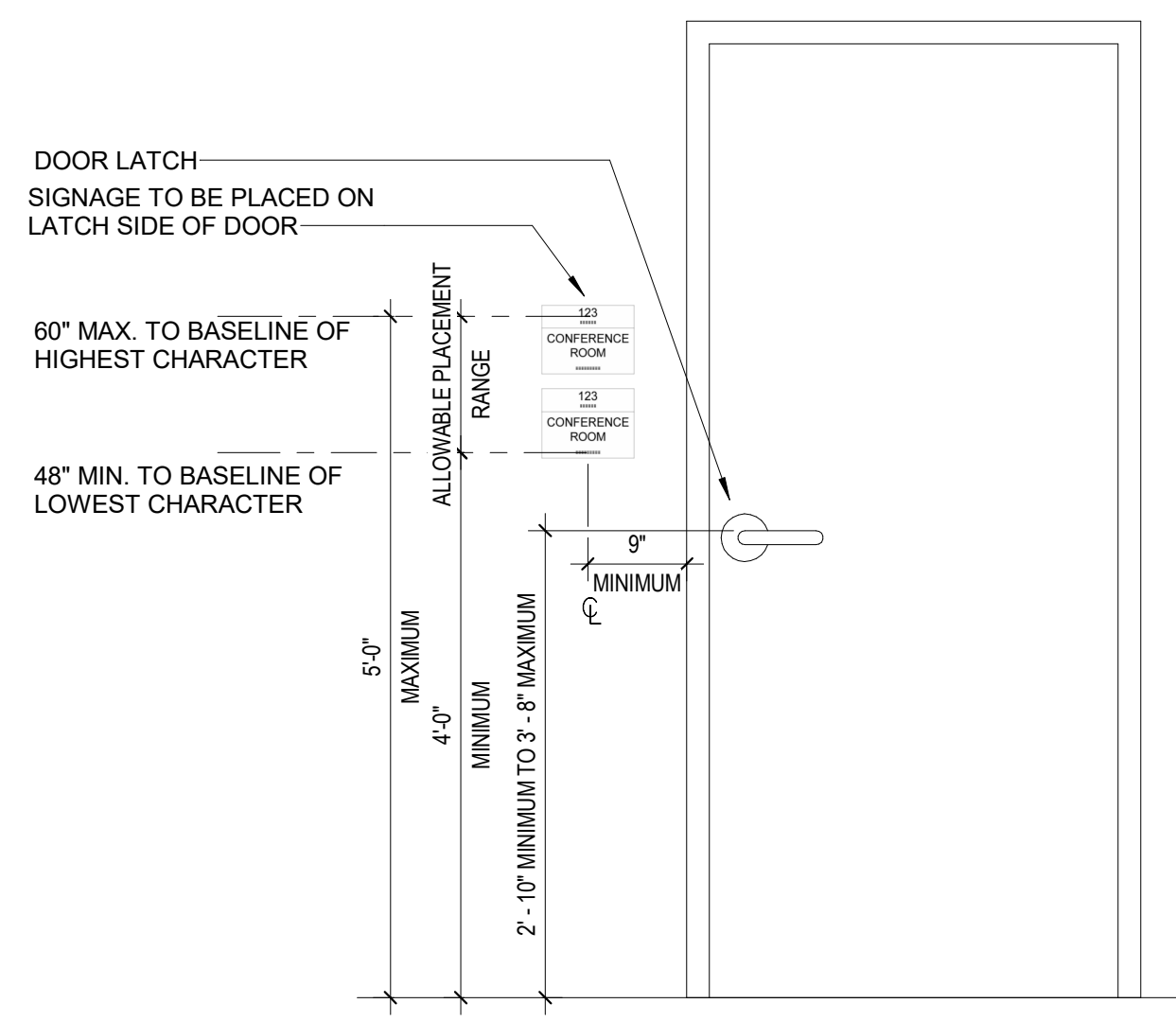


## LETTERS AND NUMBERS (RAISED CHARACTERS):

- CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN. AND 110 MAX. OF THE HEIGHT OF THE UPPERCASE LETTER "I".
- STYLE: SANS SERIF CHARACTERS. CASE: CHARACTERS SHALL BE UPPERCASE
- THE PICTOGRAM BORDER DIMENSION SHALL BE 6" MINIMUM HEIGHT
- CHARACTERS SHALL BE RAISED 1/32" MINIMUM ABOVE THEIR BACKGROUND, AND BACKGROUNDS SHALL BE OF NON-GLARE CONTRASTING COLORS WITH A NON GLARE FINISH
- SIGNS / PICTOGRAMS (VISUAL CHARACTERS):
- THE PICTOGRAM BORDER DIMENSION SHALL BE 6" MINIMUM HEIGHT
- CHARACTERS SHALL BE RAISED 1/32" MINIMUM ABOVE THEIR BACKGROUND, AND BACKGROUNDS SHALL BE OF NON-GLARE CONTRASTING COLORS WITH A NON GLARE FINISH
- ALL ACCESSIBLE ENTRANCES IDENTIFIED WITH MINIMUM OF ONE STANDARD SIGN
- ADDITIONAL DIRECTIONAL SIGNS ALONG ACCESSIBLE PATH OF TRAVEL ARE REQUIRED.
- WHEN NOT ALL ENTRANCES ARE ACCESSIBLE, PROVIDE INTERNATIONAL SIGN OF ACCESSIBILITY ON THE LATCH-SIDE WALL ADJACENT TO THE ACCESSIBLE ENTRANCE WITH A MINIMUM HEIGHT OF 40" ABOVE THE WALKING SURFACE.
- BRAILLE (RAISED CHARACTERS):
- USE CONTRACTED GRADE II BRAILLE
- DOT DIAMETER .059 TO .083 INCHES
- DOT SPACING SAME CELL .100 INCHES
- HORIZONTAL SPACING BETWEEN CELLS .300 INCHES
- VERTICAL SEPARATION BETWEEN CELLS .350 TO .400 INCHES
- DOT HEIGHT .025 TO .037 INCHES
- GRADE II BRAILLE SHALL BE DIRECTLY BELOW THE LETTERING AND BE CENTERED OR LEFT JUSTIFIED

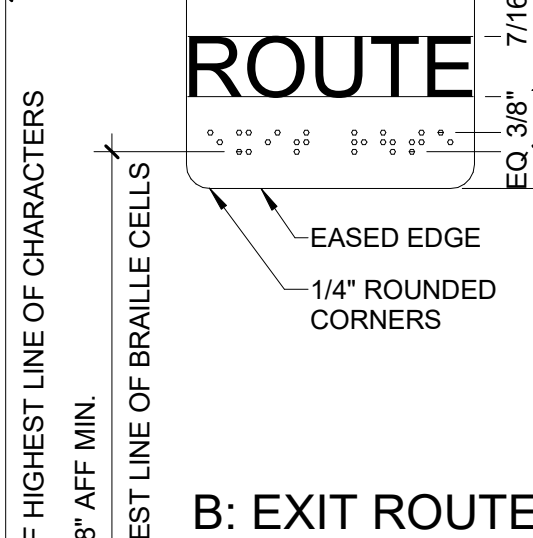
# A3 SIGNAGE PLACEMENT DIAGRAM

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



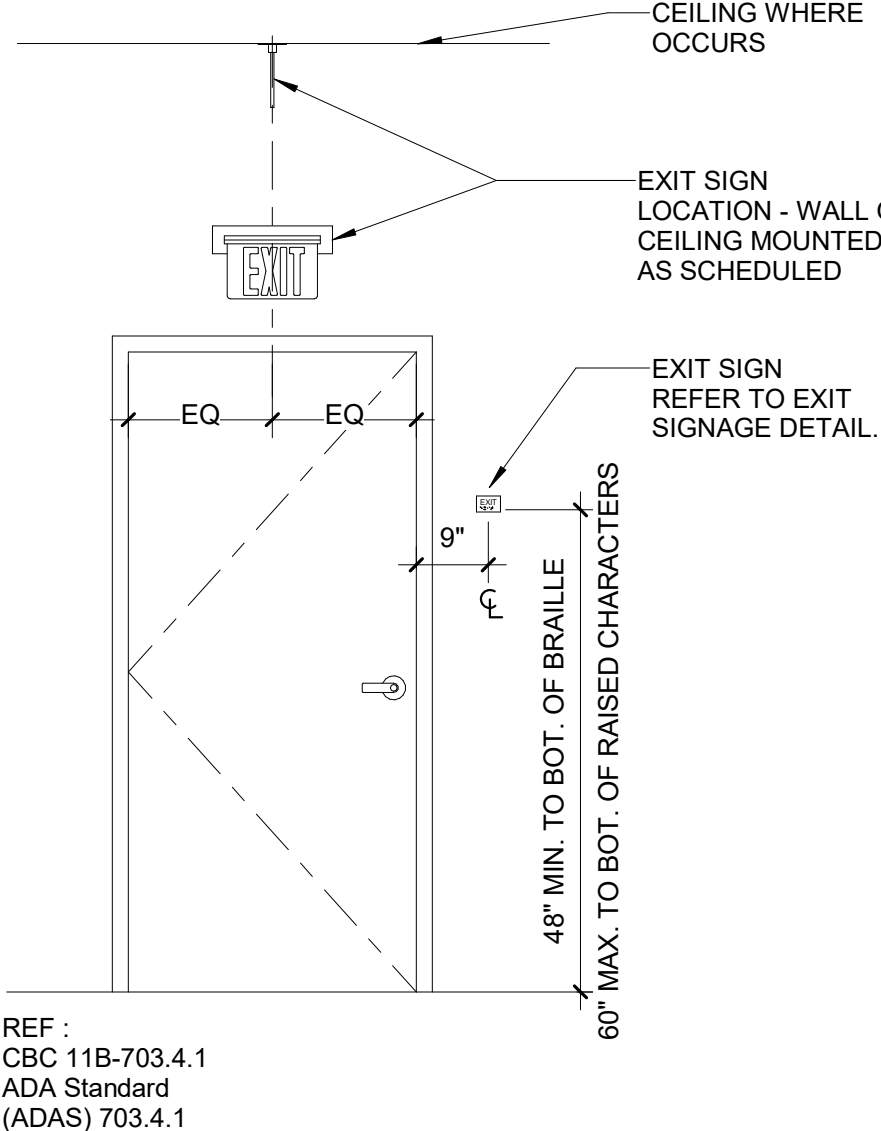
# B1 EXIT SIGNAGE DETAIL

Scale: 6" = 1'-0"



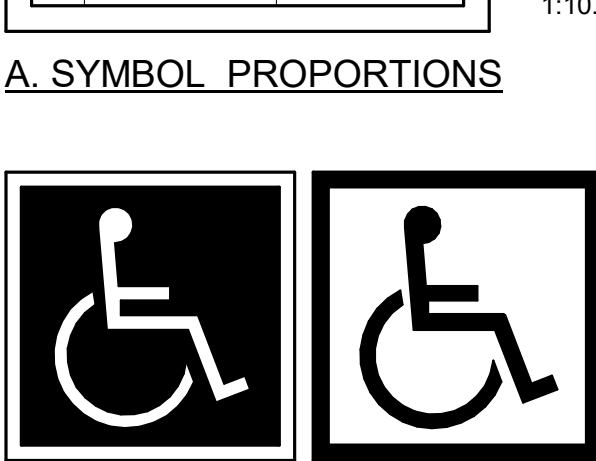
# B2 EXIT DOOR SIGNAGE DETAIL

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



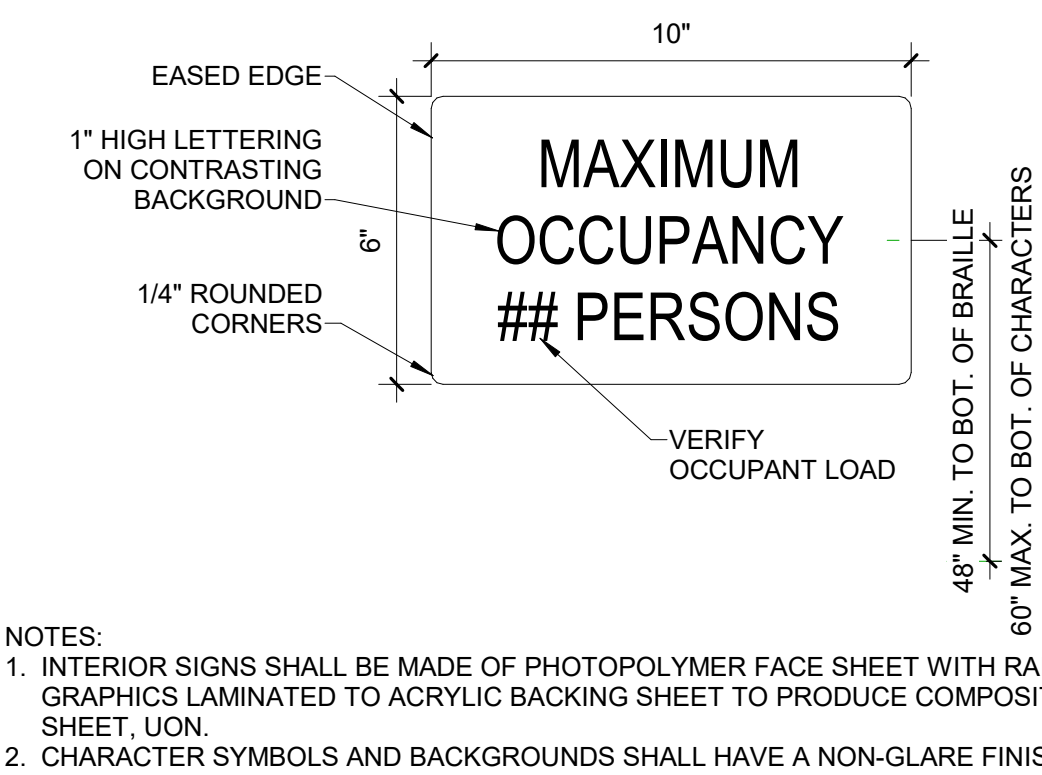
# B3 INTERNATIONAL ACCESSIBILITY SYMBOL

Scale: 12" = 1'-0"



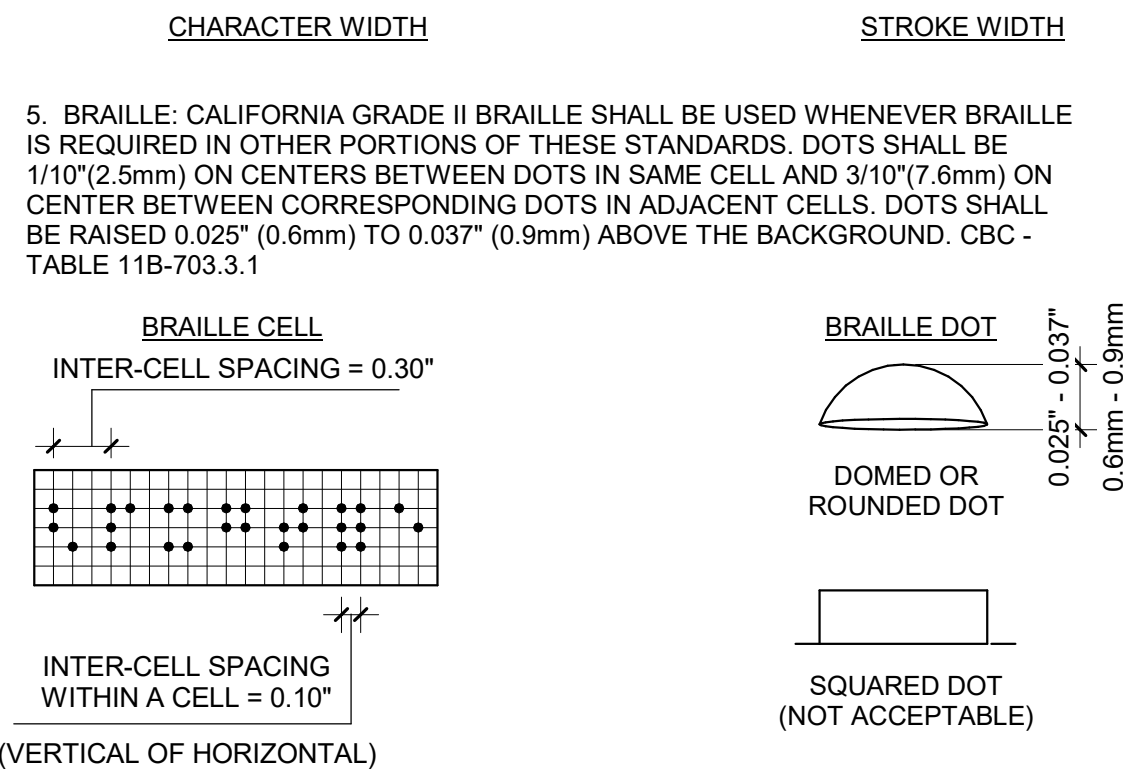
# B4 MAXIMUM OCCUPANCY SIGN TYPE 5

Scale: 3" = 1'-0"



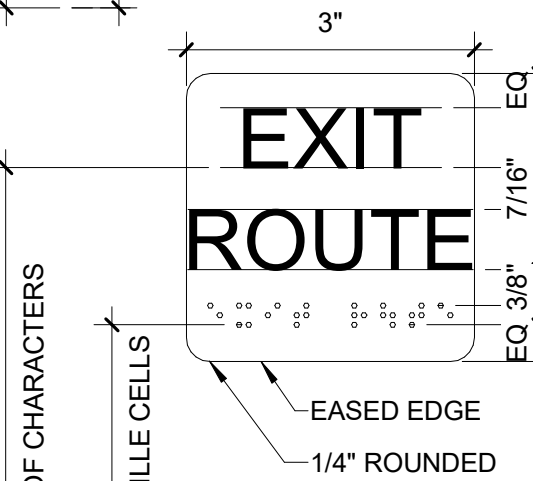
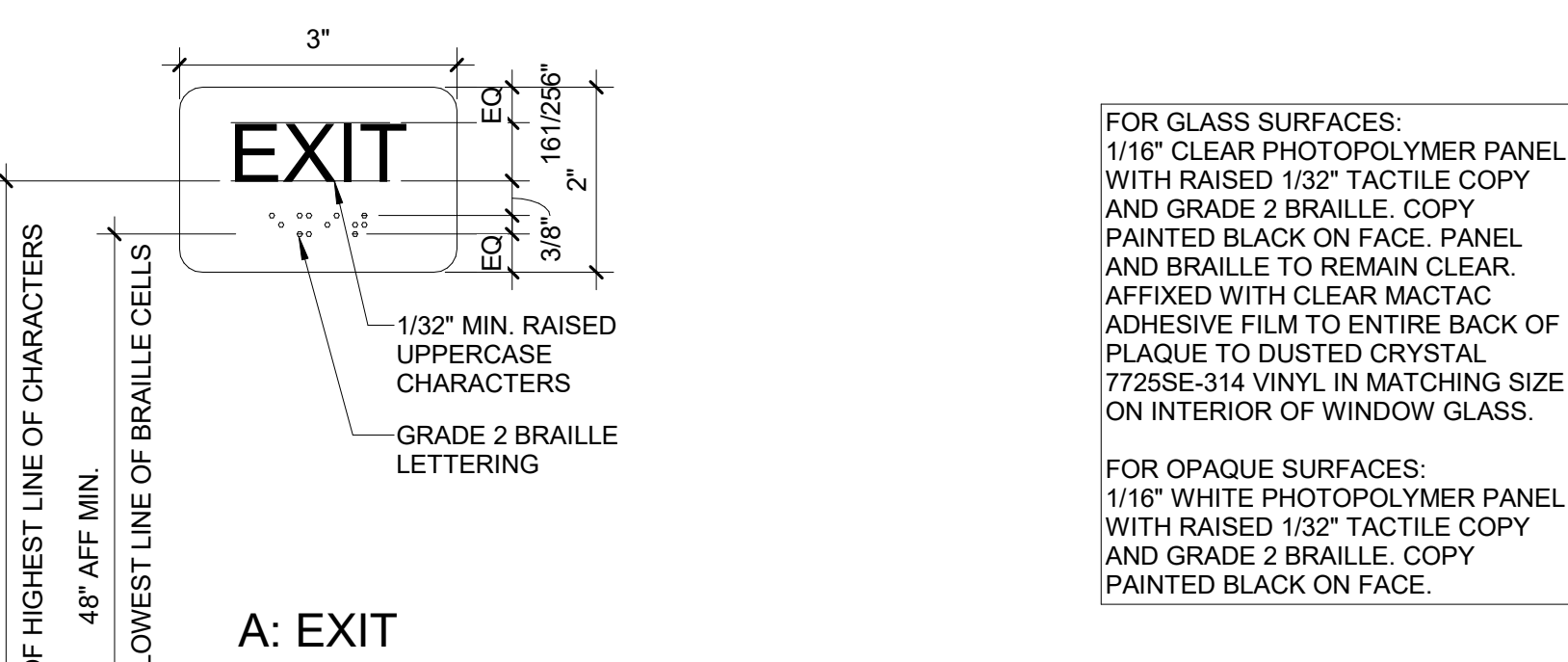
# B6 CBC BRAILLE REQUIREMENTS

Scale: 12" = 1'-0"

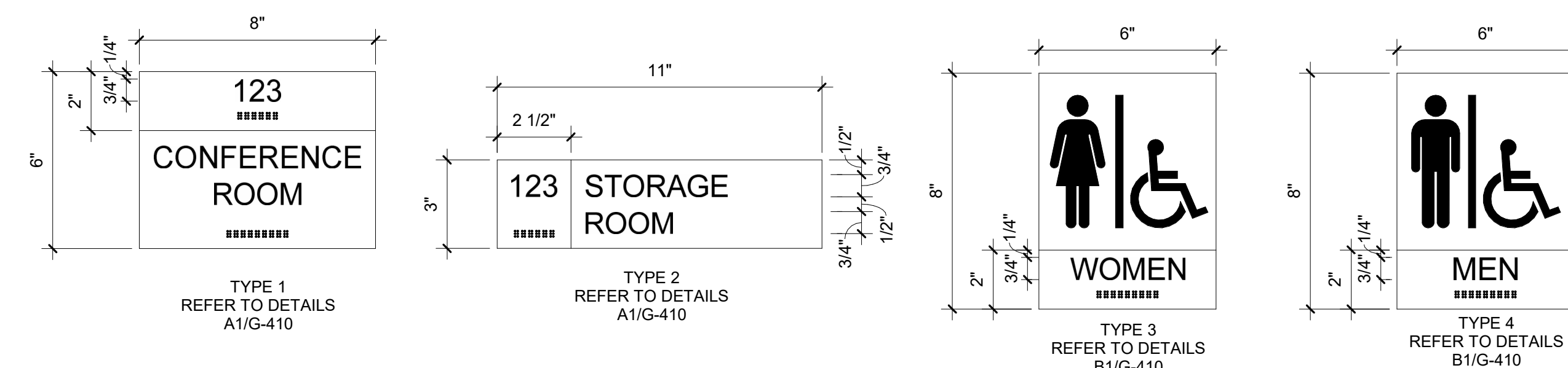
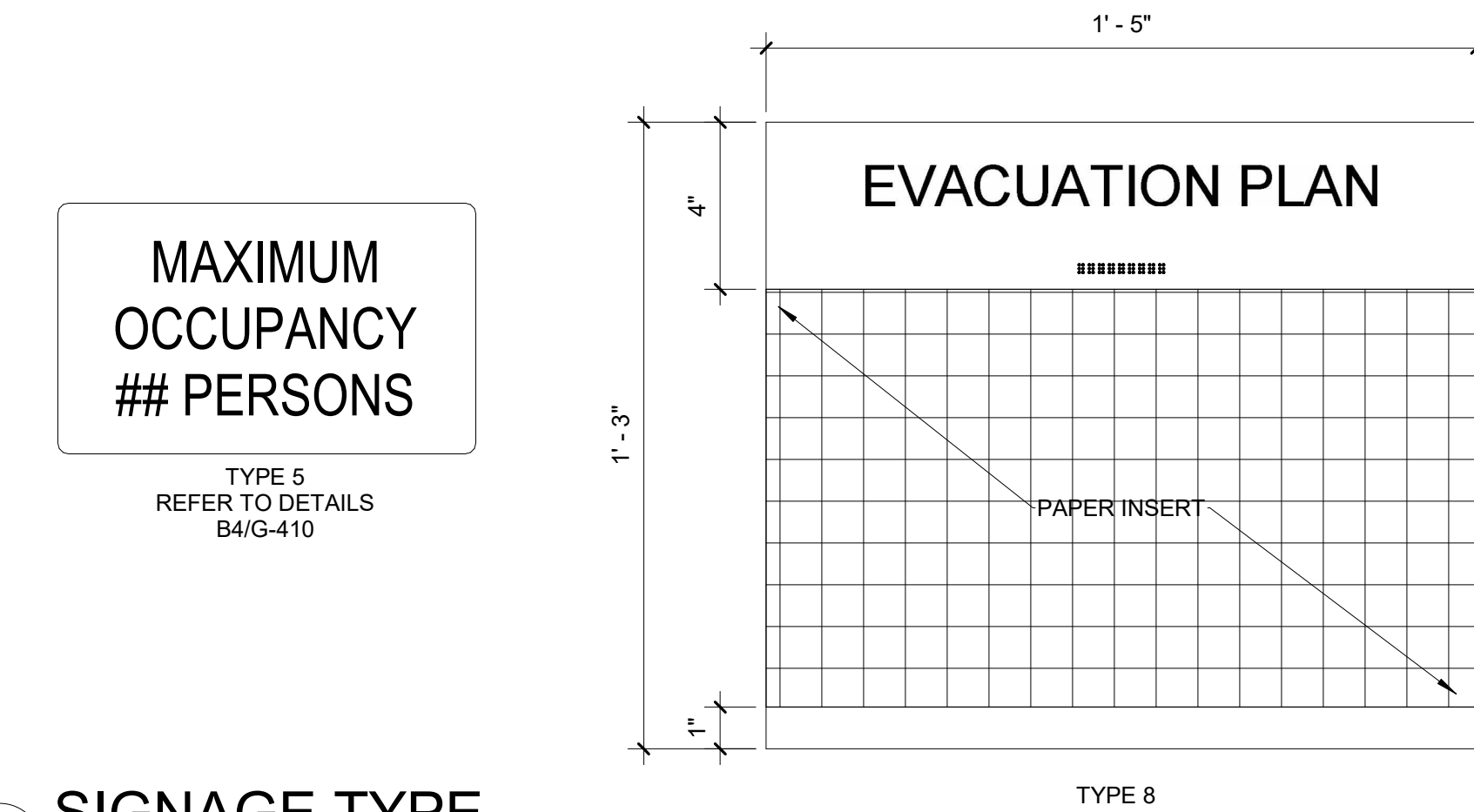


# E1 SIGNAGE TYPE

Scale: 3" = 1'-0"



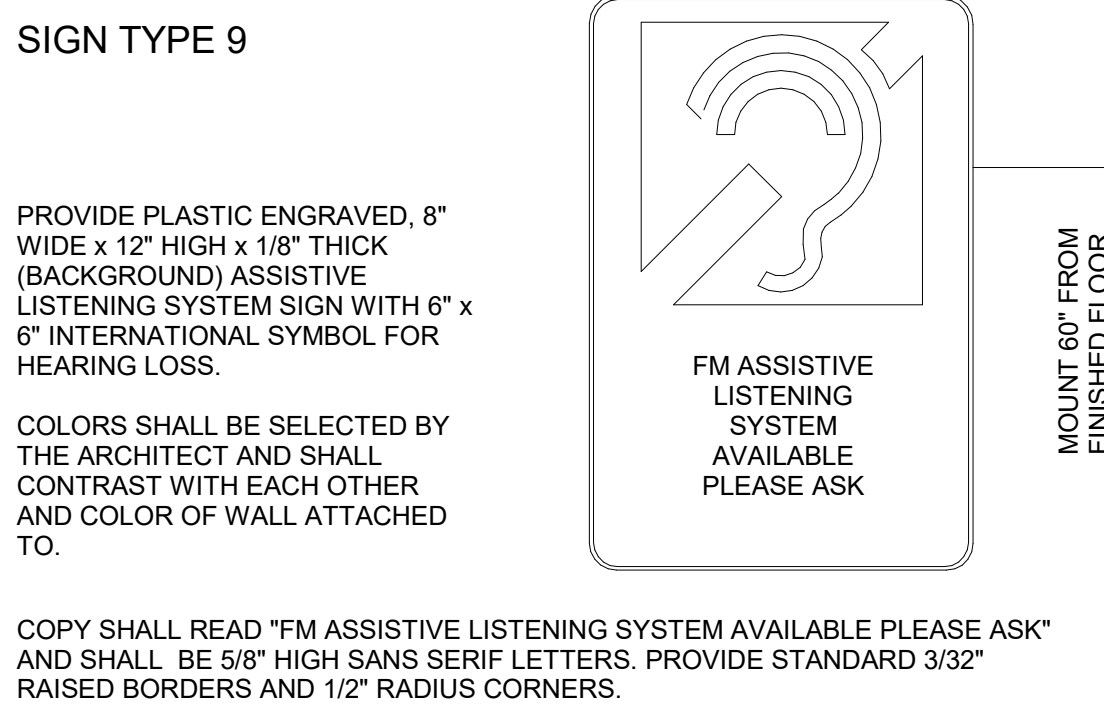
- NOTES:
- INTERIOR SIGNS SHALL BE MADE OF PHOTOPOLYMER FACE SHEET WITH RAISED GRAPHICS LAMINATED TO ACRYLIC BACKING SHEET TO PRODUCE COMPOSITE SHEET, UON
  - CHARACTER SYMBOLS AND BACKGROUNDS SHALL HAVE A NON-GLARE FINISH.
  - CHARACTERS AND SYMBOLS SHALL CONTRAST FROM THEIR BACKGROUND.
  - RAISED CHARACTERS SHALL BE SANS SERIF AND COMPLY WITH THE LATEST ADOPTED CBC CODE.
  - CORNERS SHALL BE ROUNDED WITH 1/4" RADIUS, UON.
  - BRAILLE SYMBOLS SHALL BE CONTRACTED GRADE 2 PER CBC 11B-703.3, DOMED OR ROUNDED AND DIMENSIONED PER TABLE CBC 11B-703.3.1 TYP



## FIGURE 11B-703.7.2.6.4 EDGES AND VERTICES ON GEOMETRIC SYMBOLS

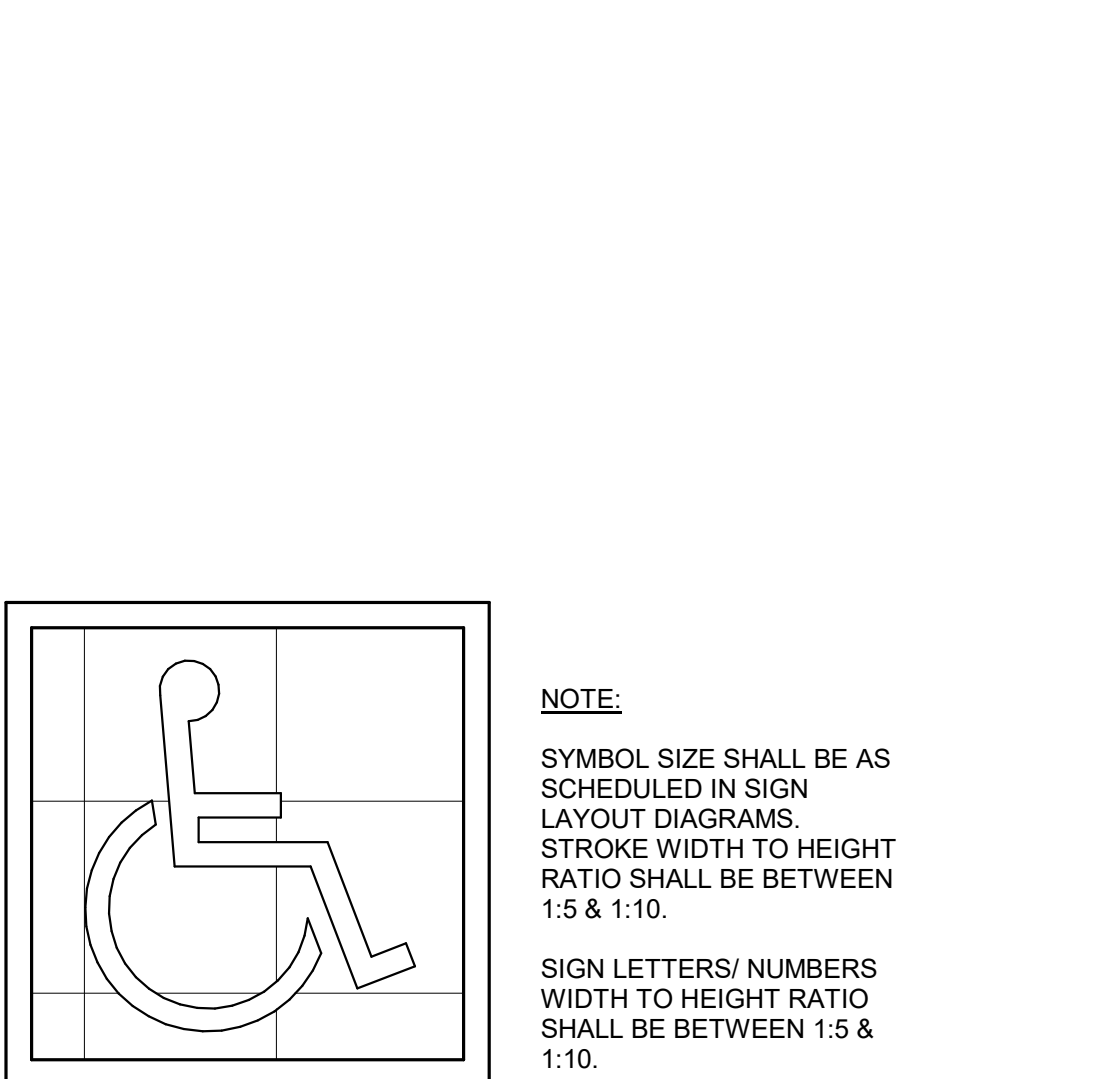
# F3 EDGES AND VERTICES

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



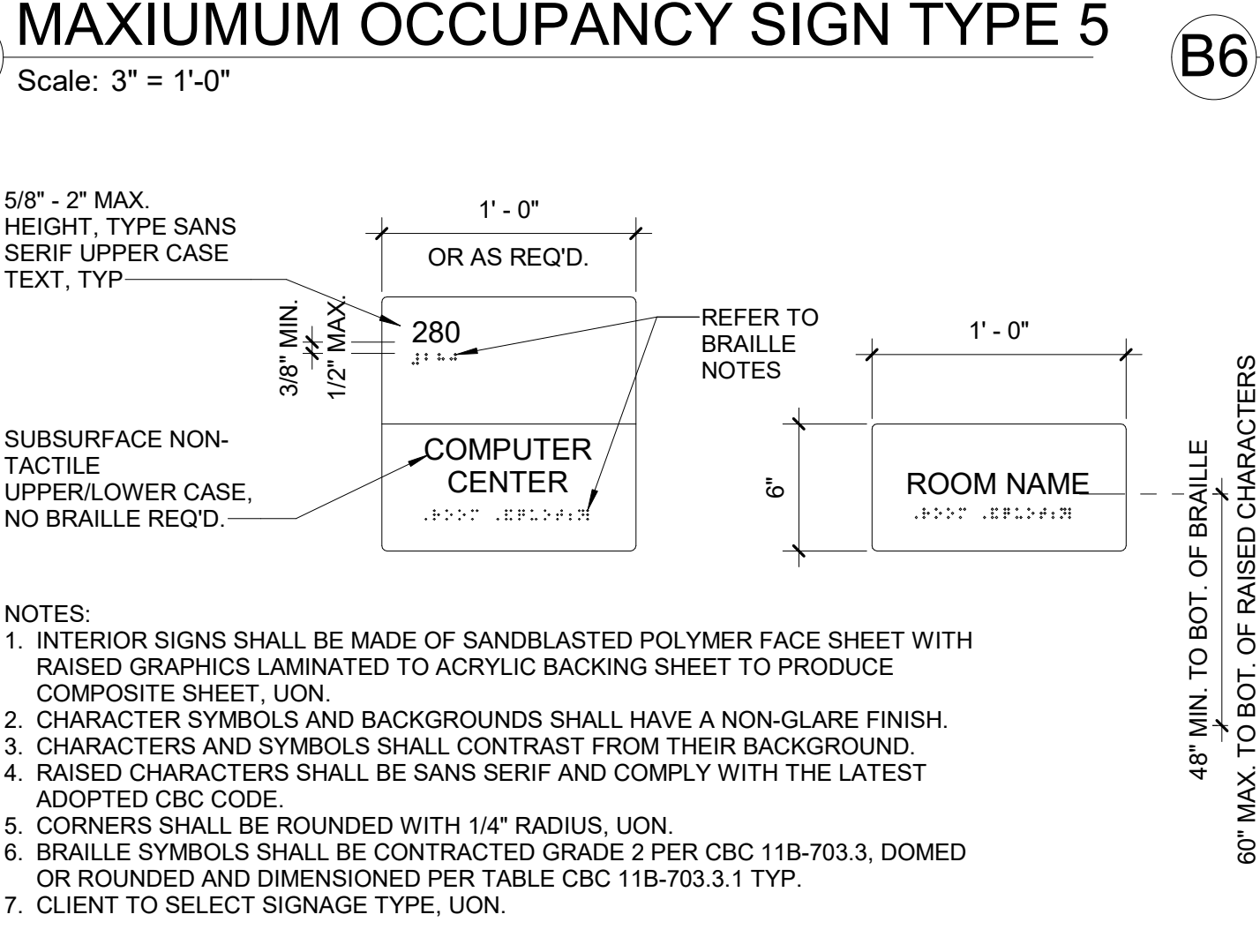
# E3 ASSISTIVE LISTENING SYSTEM

Scale: 3" = 1'-0"



# A4 ROOM ID SIGNAGE - WALL MOUNT

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

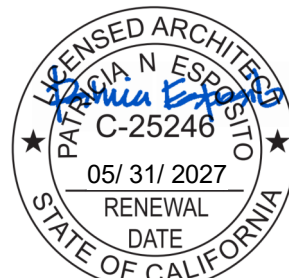


48" MIN. TO BOT. OF BRAILLE  
60" MAX. TO BOT. OF RAISED CHARACTERS

# G-410



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY EP  
CHECKED BY JQ  
DATE 10/29/2025

TITLE

CALGREEN  
CHECKLIST

PROJECT NO. 50184767

G-500

SHEET NO.

# AIA California 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (July 2024 Supplement)

<div><div>Y</div><div>NA</div><div>RESPON</div><div>PARTY</div></div> <div><b>CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL</b>  <b>301.1 SCOPE.</b> Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 1101.7.  <b>301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG]</b> The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.  A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no banner will be used.  <b>301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:</b> <b>Note:</b> On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1 et seq. for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.  <b>301.3.2 Waste Diversion.</b> The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.  301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC) 301.5 HEALTH FACILITIES. (see GBSC)</div>	<div><div>Y</div><div>NA</div><div>RESPON</div><div>PARTY</div></div> <div><b>SECTION 5.106 SITE DEVELOPMENT</b> <b>5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND.</b> Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:  <b>5.106.1.1 Local ordinance.</b> Comply with a lawfully enacted storm water management and/or erosion control ordinance.  <b>5.106.1.2 Best Management Practices (BMPs).</b> Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.  1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following: a. Scheduling construction activity during dry weather, when possible. b. Preservation of natural features, vegetation, soil, and buffers around surface waters. c. Drainage swales or lined ditches to control stormwater flow. d. Mulching or hydrosedding to stabilize disturbed soils. e. Erosion control to protect slopes. f. Protection of storm drain inlets (gravel bags or catch basin inserts). g. Perimeter sediment control (perimeter silt fence, fiber rolls). h. Sediment trap or sediment basin to retain sediment on site. i. Stabilized construction exits. j. Wind erosion control. k. Other soil loss BMPs acceptable to the enforcing agency.  2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following: a. Dewatering activities. b. Material handling and waste management. c. Building materials stockpile management. d. Management of washout areas (concrete, paints, sludge, etc.). e. Control of vehicle/equipment fueling to contractor's staging area. f. Vehicle and equipment cleaning performed off site. g. Spill prevention and control. h. Other housekeeping BMPs acceptable to the enforcing agency.</div>	<div><div>Y</div><div>NA</div><div>RESPON</div><div>PARTY</div></div> <div><b>SECTION 5.106 SITE DEVELOPMENT</b> <b>5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND.</b> Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:  <b>5.106.1.1 Local ordinance.</b> Comply with a lawfully enacted storm water management and/or erosion control ordinance.  <b>5.106.1.2 Best Management Practices (BMPs).</b> Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.  1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following: a. Scheduling construction activity during dry weather, when possible. b. Preservation of natural features, vegetation, soil, and buffers around surface waters. c. Drainage swales or lined ditches to control stormwater flow. d. Mulching or hydrosedding to stabilize disturbed soils. e. Erosion control to protect slopes. f. Protection of storm drain inlets (gravel bags or catch basin inserts). g. Perimeter sediment control (perimeter silt fence, fiber rolls). h. Sediment trap or sediment basin to retain sediment on site. i. Stabilized construction exits. j. Wind erosion control. k. Other soil loss BMPs acceptable to the enforcing agency.  2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following: a. Dewatering activities. b. Material handling and waste management. c. Building materials stockpile management. d. Management of washout areas (concrete, paints, sludge, etc.). e. Control of vehicle/equipment fueling to contractor's staging area. f. Vehicle and equipment cleaning performed off site. g. Spill prevention and control. h. Other housekeeping BMPs acceptable to the enforcing agency.</div>	<div><div>Y</div><div>NA</div><div>RESPON</div><div>PARTY</div></div> <div><b>TABLE 5.106.5.3.1</b><table><thead><tr><th>TOTAL NUMBER OF ACTUAL PARKING SPACES</th><th>NUMBER OF REQUIRED EV CAPABLE SPACES</th><th>NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE)<sup>1,2</sup></th></tr></thead><tbody><tr><td>0-9</td><td>0</td><td>0</td></tr><tr><td>10-25</td><td>2</td><td>0</td></tr><tr><td>26-50</td><td>8</td><td>2</td></tr><tr><td>51-75</td><td>13</td><td>3</td></tr><tr><td>76-100</td><td>17</td><td>4</td></tr><tr><td>101-150</td><td>25</td><td>6</td></tr><tr><td>151-200</td><td>35</td><td>9</td></tr><tr><td>201 AND OVER</td><td>20 percent of actual parking spaces<sup>1</sup></td><td>25 percent of EV capable spaces<sup>1</sup></td></tr></tbody></table> <b>5.106.5.3.1.1</b> Calculation for spaces shall be rounded up to the nearest whole number. <b>5.106.5.3.1.2</b> The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count toward the total number of required EV capable spaces shown in column 2. <b>5.106.5.3.1.3</b> At least one Level 2 EVSE shall be provided. <b>5.106.5.3.2 Electric vehicle charging stations (EVCS)</b> EV capable spaces shall be provided with electric vehicle supply equipment (EVSE) to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 shall be provided with Level 2 EVSE or DCFC as permitted in Section 5.106.5.3.2.1. At least one Level 2 EVSE shall be provided. <b>5.106.5.3.2.1</b> The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel. <b>5.106.5.3.2.2</b> The installation of two low power Level 2 EV charging receptacles shall be permitted to reduce the minimum number of required EV capable spaces without EVSE in Table 5.106.5.3.1 by one. <b>5.106.5.3.3 Use of automatic load management systems (ALMS).</b> ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Section 5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs. <b>5.106.5.3.4 Accessible EVCS.</b> When EVSE is installed, accessible EVCS shall be provided in accordance with the <i>California Building Code</i>, Chapter 11B, Section 11B-228.3. <b>Note:</b> For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s). <b>5.106.5.3.4 Accessible electric vehicle charging station (EVCS).</b> When EVSE is installed, accessible EVCS shall be provided in accordance with the <i>California Building Code</i>, Chapter 11B, Section 11B-228.3. <b>5.106.5.3.5 Electric vehicle charging station signage.</b> Electric vehicle charging stations shall be identified by signage or pavement markings in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s). <b>Power allocation method shall include the following:</b> 1. Use any kVA combination of EV capable spaces, low power Level 2, Level 2 or DCFC EVSEs. 2. At least one Level 2 EVSE shall be provided. <b>5.106.5.3.6 Electric vehicle charging stations (EVCS)—power allocation method.</b> The power allocation method may be used as an alternative to the requirements in Section 5.106.5.3.1, Section 5.106.5.3.2 and associated Table 5.106.5.3.1. Use Table 5.106.5.3.6 to determine the total power in kVA required based on the total number of actual parking spaces. <b>TABLE 5.106.5.3.6</b><table><thead><tr><th>TOTAL NUMBER OF ACTUAL PARKING SPACES</th><th>MINIMUM TOTAL KVA @ 6.6 KVA</th><th>TOTAL KVA REQUIRED IN ANY COMBINATION OF EV CAPABLES 3.4, 3.4.1, 3.4.2, 3.4.3, 3.4.4, 3.4.5, 3.4.6, 3.4.7, 3.4.8, 3.4.9, 3.4.10, 3.4.11, 3.4.12, 3.4.13, 3.4.14, 3.4.15, 3.4.16, 3.4.17, 3.4.18, 3.4.19, 3.4.20, 3.4.21, 3.4.22, 3.4.23, 3.4.24, 3.4.25, 3.4.26, 3.4.27, 3.4.28, 3.4.29, 3.4.30, 3.4.31, 3.4.32, 3.4.33, 3.4.34, 3.4.35, 3.4.36, 3.4.37, 3.4.38, 3.4.39, 3.4.40, 3.4.41, 3.4.42, 3.4.43, 3.4.44, 3.4.45, 3.4.46, 3.4.47, 3.4.48, 3.4.49, 3.4.50, 3.4.51, 3.4.52, 3.4.53, 3.4.54, 3.4.55, 3.4.56, 3.4.57, 3.4.58, 3.4.59, 3.4.60, 3.4.61, 3.4.62, 3.4.63, 3.4.64, 3.4.65, 3.4.66, 3.4.67, 3.4.68, 3.4.69, 3.4.70, 3.4.71, 3.4.72, 3.4.73, 3.4.74, 3.4.75, 3.4.76, 3.4.77, 3.4.78, 3.4.79, 3.4.80, 3.4.81, 3.4.82, 3.4.83, 3.4.84, 3.4.85, 3.4.86, 3.4.87, 3.4.88, 3.4.89, 3.4.90, 3.4.91, 3.4.92, 3.4.93, 3.4.94, 3.4.95, 3.4.96, 3.4.97, 3.4.98, 3.4.99, 3.4.100, 3.4.101, 3.4.102, 3.4.103, 3.4.104, 3.4.105, 3.4.106, 3.4.107, 3.4.108, 3.4.109, 3.4.110, 3.4.111, 3.4.112, 3.4.113, 3.4.114, 3.4.115, 3.4.116, 3.4.117, 3.4.118, 3.4.119, 3.4.120, 3.4.121, 3.4.122, 3.4.123, 3.4.124, 3.4.125, 3.4.126, 3.4.127, 3.4.128, 3.4.129, 3.4.130, 3.4.131, 3.4.132, 3.4.133, 3.4.134, 3.4.135, 3.4.136, 3.4.137, 3.4.138, 3.4.139, 3.4.140, 3.4.141, 3.4.142, 3.4.143, 3.4.144, 3.4.145, 3.4.146, 3.4.147, 3.4.148, 3.4.149, 3.4.150, 3.4.151, 3.4.152, 3.4.153, 3.4.154, 3.4.155, 3.4.156, 3.4.157, 3.4.158, 3.4.159, 3.4.160, 3.4.161, 3.4.162, 3.4.163, 3.4.164, 3.4.165, 3.4.166, 3.4.167, 3.4.168, 3.4.169, 3.4.170, 3.4.171, 3.4.172, 3.4.173, 3.4.174, 3.4.175, 3.4.176, 3.4.177, 3.4.178, 3.4.179, 3.4.180, 3.4.181, 3.4.182, 3.4.183, 3.4.184, 3.4.185, 3.4.186, 3.4.187, 3.4.188, 3.4.189, 3.4.190, 3.4.191, 3.4.192, 3.4.193, 3.4.194, 3.4.195, 3.4.196, 3.4.197, 3.4.198, 3.4.199, 3.4.200, 3.4.201, 3.4.202, 3.4.203, 3.4.204, 3.4.205, 3.4.206, 3.4.207, 3.4.208, 3.4.209, 3.4.210, 3.4.211, 3.4.212, 3.4.213, 3.4.214, 3.4.215, 3.4.216, 3.4.217, 3.4.218, 3.4.219, 3.4.220, 3.4.221, 3.4.222, 3.4.223, 3.4.224, 3.4.225, 3.4.226, 3.4.227, 3.4.228, 3.4.229, 3.4.230, 3.4.231, 3.4.232, 3.4.233, 3.4.234, 3.4.235, 3.4.236, 3.4.237, 3.4.238, 3.4.239, 3.4.240, 3.4.241, 3.4.242, 3.4.243, 3.4.244, 3.4.245, 3.4.246, 3.4.247, 3.4.248, 3.4.249, 3.4.250, 3.4.251, 3.4.252, 3.4.253, 3.4.254, 3.4.255, 3.4.256, 3.4.257, 3.4.258, 3.4.259, 3.4.260, 3.4.261, 3.4.262, 3.4.263, 3.4.264, 3.4.265, 3.4.266, 3.4.267, 3.4.268, 3.4.269, 3.4.270, 3.4.271, 3.4.272, 3.4.273, 3.4.274, 3.4.275, 3.4.276, 3.4.277, 3.4.278, 3.4.279, 3.4.280, 3.4.281, 3.4.282, 3.4.283, 3.4.284, 3.4.285, 3.4.286, 3.4.287, 3.4.288, 3.4.289, 3.4.290, 3.4.291, 3.4.292, 3.4.293, 3.4.294, 3.4.295, 3.4.296, 3.4.297, 3.4.298, 3.4.299, 3.4.300, 3.4.301, 3.4.302, 3.4.303, 3.4.304, 3.4.305, 3.4.306, 3.4.307, 3.4.308, 3.4.309, 3.4.310, 3.4.311, 3.4.312, 3.4.313, 3.4.314, 3.4.315, 3.4.316, 3.4.317, 3.4.318, 3.4.319, 3.4.320, 3.4.321, 3.4.322, 3.4.323, 3.4.324, 3.4.325, 3.4.326, 3.4.327, 3.4.328, 3.4.329, 3.4.330, 3.4.331, 3.4.332, 3.4.333, 3.4.334, 3.4.335, 3.4.336, 3.4.337, 3.4.338, 3.4.339, 3.4.340, 3.4.341, 3.4.342, 3.4.343, 3.4.344, 3.4.345, 3.4.346, 3.4.347, 3.4.348, 3.4.349, 3.4.350, 3.4.351, 3.4.352, 3.4.353, 3.4.354, 3.4.355, 3.4.356, 3.4.357, 3.4.358, 3.4.359, 3.4.360, 3.4.361, 3.4.362, 3.4.363, 3.4.364, 3.4.365, 3.4.366, 3.4.367, 3.4.368, 3.4.369, 3.4.370, 3.4.371, 3.4.372, 3.4.373, 3.4.374, 3.4.375, 3.4.376, 3.4.377, 3.4.378, 3.4.379, 3.4.380, 3.4.381, 3.4.382, 3.4.383, 3.4.384, 3.4.385, 3.4.386, 3.4.387, 3.4.388, 3.4.389, 3.4.390, 3.4.391, 3.4.392, 3.4.393, 3.4.394, 3.4.395, 3.4.396, 3.4.397, 3.4.398, 3.4.399, 3.4.400, 3.4.401, 3.4.402, 3.4.403, 3.4.404, 3.4.405, 3.4.406, 3.4.407, 3.4.408, 3.4.409, 3.4.410, 3.4.411, 3.4.412, 3.4.413, 3.4.414, 3.4.415, 3.4.416, 3.4.417, 3.4.418, 3.4.419, 3.4.420, 3.4.421, 3.4.422, 3.4.423, 3.4.424, 3.4.425, 3.4.426, 3.4.427, 3.4.428, 3.4.429, 3.4.430, 3.4.431, 3.4.432, 3.4.433, 3.4.434, 3.4.435, 3.4.436, 3.4.437, 3.4.438, 3.4.439, 3.4.440, 3.4.441, 3.4.442, 3.4.443, 3.4.444, 3.4.445, 3.4.446, 3.4.447, 3.4.448, 3.4.449, 3.4.450, 3.4.451, 3.4.452, 3.4.453, 3.4.454, 3.4.455, 3.4.456, 3.4.457, 3.4.458, 3.4.459, 3.4.460, 3.4.461, 3.4.462, 3.4.463, 3.4.464, 3.4.465, 3.4.466, 3.4.467, 3.4.468, 3.4.469, 3.4.470, 3.4.471, 3.4.472, 3.4.473, 3.4.474, 3.4.475, 3.4.476, 3.4.477, 3.4.478, 3.4.479, 3.4.480, 3.4.481, 3.4.482, 3.4.483, 3.4.484, 3.4.485, 3.4.486, 3.4.487, 3.4.488, 3.4.489, 3.4.490, 3.4.491, 3.4.492, 3.4.493, 3.4.494, 3.4.495, 3.4.496, 3.4.497, 3.4.498, 3.4.499, 3.4.500, 3.4.501, 3.4.502, 3.4.503, 3.4.504, 3.4.505, 3.4.506, 3.4.507, 3.4.508, 3.4.509, 3.4.510, 3.4.511, 3.4.512, 3.4.513, 3.4.514, 3.4.515, 3.4.516, 3.4.517, 3.4.518, 3.4.519, 3.4.520, 3.4.521, 3.4.522, 3.4.523, 3.4.524, 3.4.525, 3.4.526, 3.4.527, 3.4.528, 3.4.529, 3.4.530, 3.4.531, 3.4.532, 3.4.533, 3.4.534, 3.4.535, 3.4.536, 3.4.537, 3.4.538, 3.4.539, 3.4.540, 3.4.541, 3.4.542, 3.4.543, 3.4.544, 3.4.545, 3.4.546, 3.4.547, 3.4.548, 3.4.549, 3.4.550, 3.4.551, 3.4.552, 3.4.553, 3.4.554, 3.4.555, 3.4.556, 3.4.557, 3.4.558, 3.4.559, 3.4.560, 3.4.561, 3.4.562, 3.4.563, 3.4.564, 3.4.565, 3.4.566, 3.4.567, 3.4.568, 3.4.569, 3.4.570, 3.4.571, 3.4.572, 3.4.573, 3.4.574, 3.4.575, 3.4.576, 3.4.577, 3.4.578, 3.4.579, 3.4.580, 3.4.581, 3.4.582, 3.4.583, 3.4.584, 3.4.585, 3.4.586, 3.4.587, 3.4.588, 3.4.589, 3.4.590, 3.4.591, 3.4.592, 3.4.593, 3.4.594, 3.4.595, 3.4.596, 3.4.597, 3.4.598, 3.4.599, 3.4.600, 3.4.601, 3.4.602, 3.4.603, 3.4.604, 3.4.605, 3.4.606, 3.4.607, 3.4.608, 3.4.609, 3.4.610, 3.4.611, 3.4.612, 3.4.613, 3.4.614, 3.4.615, 3.4.616, 3.4.617, 3.4.618, 3.4.619, 3.4.620, 3.4.621, 3.4.622, 3.4.623, 3.4.624, 3.4.625, 3.4.626, 3.4.627, 3.4.628, 3.4.629, 3.4.630, 3.4.631, 3.4.632, 3.4.633, 3.4.634, 3.4.635, 3.4.636, 3.4.637, 3.4.638, 3.4.639, 3.4.640, 3.4.641, 3.4.642, 3.4.643, 3.4.644, 3.4.645, 3.4.646, 3.4.647, 3.4.648, 3.4.649, 3.4.650, 3.4.651, 3.4.652, 3.4.653, 3.4.654, 3.4.655, 3.4.656, 3.4.657, 3.4.658, 3.4.659, 3.4.660, 3.4.661, 3.4.662, 3.4.663, 3.4.664, 3.4.665, 3.4.666, 3.4.667, 3.4.668, 3.4.669, 3.4.670, 3.4.671, 3.4.672, 3.4.673, 3.4.674, 3.4.675, 3.4.676, 3.4.677, 3.4.678, 3.4.679, 3.4.680, 3.4.681, 3.4.682, 3.4.683, 3.4.684, 3.4.685, 3.4.686, 3.4.687, 3.4.688, 3.4.689, 3.4.690, 3.4.691, 3.4.692, 3.4.693, 3.4.694, 3.4.695, 3.4.696, 3.4.697, 3.4.698, 3.4.699, 3.4.700, 3.4.701, 3.4.702, 3.4.703, 3.4.704, 3.4.705, 3.4.706, 3.4.707, 3.4.708, 3.4.709, 3.4.710, 3.4.711, 3.4.712, 3.4.713, 3.4.714, 3.4.715, 3.4.716, 3.4.717, 3.4.718, 3.4.719, 3.4.720, 3.4.721, 3.4.722, 3.4.723, 3.4.724, 3.4.725, 3.4.726, 3.4.727, 3.4.728, 3.4.729, 3.4.730, 3.4.731, 3.4.732, 3.4.733, 3.4.734, 3.4.735, 3.4.736, 3.4.737, 3.4.738, 3.4.739, 3.4.740, 3.4.741, 3.4.742, 3.4.743, 3.4.744, 3.4.745, 3.4.746, 3.4.747, 3.4.748, 3.4.749, 3.4.750, 3.4.751, 3.4.752, 3.4.753, 3.4.754, 3.4.755, 3.4.756, 3.4.757, 3.4.758, 3.4.759, 3.4.760, 3.4.761, 3.4.762, 3.4.763, 3.4.764, 3.4.765, 3.4.766, 3.4.767, 3.4.768, 3.4.769, 3.4.770, 3.4.771, 3.4.772, 3.4.773, 3.4.774, 3.4.775, 3.4.776, 3.4.777, 3.4.778, 3.4.779, 3.4.780, 3.4.781, 3.4.782, 3.4.783, 3.4.784, 3.4.785, 3.4.786, 3.4.787, 3.4.788, 3.4.789, 3.4.790, 3.4.791, 3.4.792, 3.4.793, 3.4.794, 3.4.795, 3.4.796, 3.4.797, 3.4.798, 3.4.799, 3.4.800, 3.4.801, 3.4.802, 3.4.803, 3.4.804, 3.4.805, 3.4.806, 3.4.807, 3.4.808, 3.4.809, 3.4.810, 3.4.811, 3.4.812, 3.4.813, 3.4.814, 3.4.815, 3.4.816, 3.4.817, 3.4.818, 3.4.819, 3.4.820, 3.4.821, 3.4.822, 3.4.823, 3.4.824, 3.4.825, 3.4.826, 3.4.827, 3.4.828, 3.4.829, 3.4.830, 3.4.831, 3.4.832, 3.4.833, 3.4.834, 3.4.835, 3.4.836, 3.4.837, 3.4.838, 3.4.839, 3.4.840, 3.4.841, 3.4.842, 3.4.843, 3.4.844, 3.4.845, 3.4.846, 3.4.847, 3.4.848, 3.4.849, 3.4.850, 3.4.851, 3.4.852, 3.4.853, 3.4.854, 3.4.855, 3.4.856, 3.4.857, 3.4.858, 3.4.859, 3.4.860, 3.4.861, 3.4.862, 3.4.863, 3.4.864, 3.4.865, 3.4.866, 3.4.867, 3.4.868, 3.4.869, 3.4.870, 3.4.871, 3.4.872, 3.4.873, 3.4.874, 3.4.875, 3.4.876, 3.4.877, 3.4.878, 3.4.879, 3.4.880, 3.4.881, 3.4.882, 3.4.883, 3.4.884, 3.4.885, 3.4.886, 3.4.887, 3.4.888, 3.4.889, 3.4.890, 3.4.891, 3.4.892, 3.4.893, 3.4.894, 3.4.895, 3.4.896, 3.4.897, 3.4.898, 3.4.899, 3.4.900, 3.4.901, 3.4.902, 3.4.903, 3.4.904, 3.4.905, 3.4.906, 3.4.907, 3.4.908, 3.4.909, 3.4.910, 3.4.911, 3.4.912, 3.4.913, 3.4.914, 3.4.915, 3.4.916, 3.4.917, 3.4.918, 3.4.919, 3.4.920, 3.4.921, 3.4.922, 3.4.923, 3.</th></tr></thead></table></div>	TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE) <sup>1,2</sup>	0-9	0	0	10-25	2	0	26-50	8	2	51-75	13	3	76-100	17	4	101-150	25	6	151-200	35	9	201 AND OVER	20 percent of actual parking spaces <sup>1</sup>	25 percent of EV capable spaces <sup>1</sup>	TOTAL NUMBER OF ACTUAL PARKING SPACES	MINIMUM TOTAL KVA @ 6.6 KVA	TOTAL KVA REQUIRED IN ANY COMBINATION OF EV CAPABLES 3.4, 3.4.1, 3.4.2, 3.4.3, 3.4.4, 3.4.5, 3.4.6, 3.4.7, 3.4.8, 3.4.9, 3.4.10, 3.4.11, 3.4.12, 3.4.13, 3.4.14, 3.4.15, 3.4.16, 3.4.17, 3.4.18, 3.4.19, 3.4.20, 3.4.21, 3.4.22, 3.4.23, 3.4.24, 3.4.25, 3.4.26, 3.4.27, 3.4.28, 3.4.29, 3.4.30, 3.4.31, 3.4.32, 3.4.33, 3.4.34, 3.4.35, 3.4.36, 3.4.37, 3.4.38, 3.4.39, 3.4.40, 3.4.41, 3.4.42, 3.4.43, 3.4.44, 3.4.45, 3.4.46, 3.4.47, 3.4.48, 3.4.49, 3.4.50, 3.4.51, 3.4.52, 3.4.53, 3.4.54, 3.4.55, 3.4.56, 3.4.57, 3.4.58, 3.4.59, 3.4.60, 3.4.61, 3.4.62, 3.4.63, 3.4.64, 3.4.65, 3.4.66, 3.4.67, 3.4.68, 3.4.69, 3.4.70, 3.4.71, 3.4.72, 3.4.73, 3.4.74, 3.4.75, 3.4.76, 3.4.77, 3.4.78, 3.4.79, 3.4.80, 3.4.81, 3.4.82, 3.4.83, 3.4.84, 3.4.85, 3.4.86, 3.4.87, 3.4.88, 3.4.89, 3.4.90, 3.4.91, 3.4.92, 3.4.93, 3.4.94, 3.4.95, 3.4.96, 3.4.97, 3.4.98, 3.4.99, 3.4.100, 3.4.101, 3.4.102, 3.4.103, 3.4.104, 3.4.105, 3.4.106, 3.4.107, 3.4.108, 3.4.109, 3.4.110, 3.4.111, 3.4.112, 3.4.113, 3.4.114, 3.4.115, 3.4.116, 3.4.117, 3.4.118, 3.4.119, 3.4.120, 3.4.121, 3.4.122, 3.4.123, 3.4.124, 3.4.125, 3.4.126, 3.4.127, 3.4.128, 3.4.129, 3.4.130, 3.4.131, 3.4.132, 3.4.133, 3.4.134, 3.4.135, 3.4.136, 3.4.137, 3.4.138, 3.4.139, 3.4.140, 3.4.141, 3.4.142, 3.4.143, 3.4.144, 3.4.145, 3.4.146, 3.4.147, 3.4.148, 3.4.149, 3.4.150, 3.4.151, 3.4.152, 3.4.153, 3.4.154, 3.4.155, 3.4.156, 3.4.157, 3.4.158, 3.4.159, 3.4.160, 3.4.161, 3.4.162, 3.4.163, 3.4.164, 3.4.165, 3.4.166, 3.4.167, 3.4.168, 3.4.169, 3.4.170, 3.4.171, 3.4.172, 3.4.173, 3.4.174, 3.4.175, 3.4.176, 3.4.177, 3.4.178, 3.4.179, 3.4.180, 3.4.181, 3.4.182, 3.4.183, 3.4.184, 3.4.185, 3.4.186, 3.4.187, 3.4.188, 3.4.189, 3.4.190, 3.4.191, 3.4.192, 3.4.193, 3.4.194, 3.4.195, 3.4.196, 3.4.197, 3.4.198, 3.4.199, 3.4.200, 3.4.201, 3.4.202, 3.4.203, 3.4.204, 3.4.205, 3.4.206, 3.4.207, 3.4.208, 3.4.209, 3.4.210, 3.4.211, 3.4.212, 3.4.213, 3.4.214, 3.4.215, 3.4.216, 3.4.217, 3.4.218, 3.4.219, 3.4.220, 3.4.221, 3.4.222, 3.4.223, 3.4.224, 3.4.225, 3.4.226, 3.4.227, 3.4.228, 3.4.229, 3.4.230, 3.4.231, 3.4.232, 3.4.233, 3.4.234, 3.4.235, 3.4.236, 3.4.237, 3.4.238, 3.4.239, 3.4.240, 3.4.241, 3.4.242, 3.4.243, 3.4.244, 3.4.245, 3.4.246, 3.4.247, 3.4.248, 3.4.249, 3.4.250, 3.4.251, 3.4.252, 3.4.253, 3.4.254, 3.4.255, 3.4.256, 3.4.257, 3.4.258, 3.4.259, 3.4.260, 3.4.261, 3.4.262, 3.4.263, 3.4.264, 3.4.265, 3.4.266, 3.4.267, 3.4.268, 3.4.269, 3.4.270, 3.4.271, 3.4.272, 3.4.273, 3.4.274, 3.4.275, 3.4.276, 3.4.277, 3.4.278, 3.4.279, 3.4.280, 3.4.281, 3.4.282, 3.4.283, 3.4.284, 3.4.285, 3.4.286, 3.4.287, 3.4.288, 3.4.289, 3.4.290, 3.4.291, 3.4.292, 3.4.293, 3.4.294, 3.4.295, 3.4.296, 3.4.297, 3.4.298, 3.4.299, 3.4.300, 3.4.301, 3.4.302, 3.4.303, 3.4.304, 3.4.305, 3.4.306, 3.4.307, 3.4.308, 3.4.309, 3.4.310, 3.4.311, 3.4.312, 3.4.313, 3.4.314, 3.4.315, 3.4.316, 3.4.317, 3.4.318, 3.4.319, 3.4.320, 3.4.321, 3.4.322, 3.4.323, 3.4.324, 3.4.325, 3.4.326, 3.4.327, 3.4.328, 3.4.329, 3.4.330, 3.4.331, 3.4.332, 3.4.333, 3.4.334, 3.4.335, 3.4.336, 3.4.337, 3.4.338, 3.4.339, 3.4.340, 3.4.341, 3.4.342, 3.4.343, 3.4.344, 3.4.345, 3.4.346, 3.4.347, 3.4.348, 3.4.349, 3.4.350, 3.4.351, 3.4.352, 3.4.353, 3.4.354, 3.4.355, 3.4.356, 3.4.357, 3.4.358, 3.4.359, 3.4.360, 3.4.361, 3.4.362, 3.4.363, 3.4.364, 3.4.365, 3.4.366, 3.4.367, 3.4.368, 3.4.369, 3.4.370, 3.4.371, 3.4.372, 3.4.373, 3.4.374, 3.4.375, 3.4.376, 3.4.377, 3.4.378, 3.4.379, 3.4.380, 3.4.381, 3.4.382, 3.4.383, 3.4.384, 3.4.385, 3.4.386, 3.4.387, 3.4.388, 3.4.389, 3.4.390, 3.4.391, 3.4.392, 3.4.393, 3.4.394, 3.4.395, 3.4.396, 3.4.397, 3.4.398, 3.4.399, 3.4.400, 3.4.401, 3.4.402, 3.4.403, 3.4.404, 3.4.405, 3.4.406, 3.4.407, 3.4.408, 3.4.409, 3.4.410, 3.4.411, 3.4.412, 3.4.413, 3.4.414, 3.4.415, 3.4.416, 3.4.417, 3.4.418, 3.4.419, 3.4.420, 3.4.421, 3.4.422, 3.4.423, 3.4.424, 3.4.425, 3.4.426, 3.4.427, 3.4.428, 3.4.429, 3.4.430, 3.4.431, 3.4.432, 3.4.433, 3.4.434, 3.4.435, 3.4.436, 3.4.437, 3.4.438, 3.4.439, 3.4.440, 3.4.441, 3.4.442, 3.4.443, 3.4.444, 3.4.445, 3.4.446, 3.4.447, 3.4.448, 3.4.449, 3.4.450, 3.4.451, 3.4.452, 3.4.453, 3.4.454, 3.4.455, 3.4.456, 3.4.457, 3.4.458, 3.4.459, 3.4.460, 3.4.461, 3.4.462, 3.4.463, 3.4.464, 3.4.465, 3.4.466, 3.4.467, 3.4.468, 3.4.469, 3.4.470, 3.4.471, 3.4.472, 3.4.473, 3.4.474, 3.4.475, 3.4.476, 3.4.477, 3.4.478, 3.4.479, 3.4.480, 3.4.481, 3.4.482, 3.4.483, 3.4.484, 3.4.485, 3.4.486, 3.4.487, 3.4.488, 3.4.489, 3.4.490, 3.4.491, 3.4.492, 3.4.493, 3.4.494, 3.4.495, 3.4.496, 3.4.497, 3.4.498, 3.4.499, 3.4.500, 3.4.501, 3.4.502, 3.4.503, 3.4.504, 3.4.505, 3.4.506, 3.4.507, 3.4.508, 3.4.509, 3.4.510, 3.4.511, 3.4.512, 3.4.513, 3.4.514, 3.4.515, 3.4.516, 3.4.517, 3.4.518, 3.4.519, 3.4.520, 3.4.521, 3.4.522, 3.4.523, 3.4.524, 3.4.525, 3.4.526, 3.4.527, 3.4.528, 3.4.529, 3.4.530, 3.4.531, 3.4.532, 3.4.533, 3.4.534, 3.4.535, 3.4.536, 3.4.537, 3.4.538, 3.4.539, 3.4.540, 3.4.541, 3.4.542, 3.4.543, 3.4.544, 3.4.545, 3.4.546, 3.4.547, 3.4.548, 3.4.549, 3.4.550, 3.4.551, 3.4.552, 3.4.553, 3.4.554, 3.4.555, 3.4.556, 3.4.557, 3.4.558, 3.4.559, 3.4.560, 3.4.561, 3.4.562, 3.4.563, 3.4.564, 3.4.565, 3.4.566, 3.4.567, 3.4.568, 3.4.569, 3.4.570, 3.4.571, 3.4.572, 3.4.573, 3.4.574, 3.4.575, 3.4.576, 3.4.577, 3.4.578, 3.4.579, 3.4.580, 3.4.581, 3.4.582, 3.4.583, 3.4.584, 3.4.585, 3.4.586, 3.4.587, 3.4.588, 3.4.589, 3.4.590, 3.4.591, 3.4.592, 3.4.593, 3.4.594, 3.4.595, 3.4.596, 3.4.597, 3.4.598, 3.4.599, 3.4.600, 3.4.601, 3.4.602, 3.4.603, 3.4.604, 3.4.605, 3.4.606, 3.4.607, 3.4.608, 3.4.609, 3.4.610, 3.4.611, 3.4.612, 3.4.613, 3.4.614, 3.4.615, 3.4.616, 3.4.617, 3.4.618, 3.4.619, 3.4.620, 3.4.621, 3.4.622, 3.4.623, 3.4.624, 3.4.625, 3.4.626, 3.4.627, 3.4.628, 3.4.629, 3.4.630, 3.4.631, 3.4.632, 3.4.633, 3.4.634, 3.4.635, 3.4.636, 3.4.637, 3.4.638, 3.4.639, 3.4.640, 3.4.641, 3.4.642, 3.4.643, 3.4.644, 3.4.645, 3.4.646, 3.4.647, 3.4.648, 3.4.649, 3.4.650, 3.4.651, 3.4.652, 3.4.653, 3.4.654, 3.4.655, 3.4.656, 3.4.657, 3.4.658, 3.4.659, 3.4.660, 3.4.661, 3.4.662, 3.4.663, 3.4.664, 3.4.665, 3.4.666, 3.4.667, 3.4.668, 3.4.669, 3.4.670, 3.4.671, 3.4.672, 3.4.673, 3.4.674, 3.4.675, 3.4.676, 3.4.677, 3.4.678, 3.4.679, 3.4.680, 3.4.681, 3.4.682, 3.4.683, 3.4.684, 3.4.685, 3.4.686, 3.4.687, 3.4.688, 3.4.689, 3.4.690, 3.4.691, 3.4.692, 3.4.693, 3.4.694, 3.4.695, 3.4.696, 3.4.697, 3.4.698, 3.4.699, 3.4.700, 3.4.701, 3.4.702, 3.4.703, 3.4.704, 3.4.705, 3.4.706, 3.4.707, 3.4.708, 3.4.709, 3.4.710, 3.4.711, 3.4.712, 3.4.713, 3.4.714, 3.4.715, 3.4.716, 3.4.717, 3.4.718, 3.4.719, 3.4.720, 3.4.721, 3.4.722, 3.4.723, 3.4.724, 3.4.725, 3.4.726, 3.4.727, 3.4.728, 3.4.729, 3.4.730, 3.4.731, 3.4.732, 3.4.733, 3.4.734, 3.4.735, 3.4.736, 3.4.737, 3.4.738, 3.4.739, 3.4.740, 3.4.741, 3.4.742, 3.4.743, 3.4.744, 3.4.745, 3.4.746, 3.4.747, 3.4.748, 3.4.749, 3.4.750, 3.4.751, 3.4.752, 3.4.753, 3.4.754, 3.4.755, 3.4.756, 3.4.757, 3.4.758, 3.4.759, 3.4.760, 3.4.761, 3.4.762, 3.4.763, 3.4.764, 3.4.765, 3.4.766, 3.4.767, 3.4.768, 3.4.769, 3.4.770, 3.4.771, 3.4.772, 3.4.773, 3.4.774, 3.4.775, 3.4.776, 3.4.777, 3.4.778, 3.4.779, 3.4.780, 3.4.781, 3.4.782, 3.4.783, 3.4.784, 3.4.785, 3.4.786, 3.4.787, 3.4.788, 3.4.789, 3.4.790, 3.4.791, 3.4.792, 3.4.793, 3.4.794, 3.4.795, 3.4.796, 3.4.797, 3.4.798, 3.4.799, 3.4.800, 3.4.801, 3.4.802, 3.4.803, 3.4.804, 3.4.805, 3.4.806, 3.4.807, 3.4.808, 3.4.809, 3.4.810, 3.4.811, 3.4.812, 3.4.813, 3.4.814, 3.4.815, 3.4.816, 3.4.817, 3.4.818, 3.4.819, 3.4.820, 3.4.821, 3.4.822, 3.4.823, 3.4.824, 3.4.825, 3.4.826, 3.4.827, 3.4.828, 3.4.829, 3.4.830, 3.4.831, 3.4.832, 3.4.833, 3.4.834, 3.4.835, 3.4.836, 3.4.837, 3.4.838, 3.4.839, 3.4.840, 3.4.841, 3.4.842, 3.4.843, 3.4.844, 3.4.845, 3.4.846, 3.4.847, 3.4.848, 3.4.849, 3.4.850, 3.4.851, 3.4.852, 3.4.853, 3.4.854, 3.4.855, 3.4.856, 3.4.857, 3.4.858, 3.4.859, 3.4.860, 3.4.861, 3.4.862, 3.4.863, 3.4.864, 3.4.865, 3.4.866, 3.4.867, 3.4.868, 3.4.869, 3.4.870, 3.4.871, 3.4.872, 3.4.873, 3.4.874, 3.4.875, 3.4.876, 3.4.877, 3.4.878, 3.4.879, 3.4.880, 3.4.881, 3.4.882, 3.4.883, 3.4.884, 3.4.885, 3.4.886, 3.4.887, 3.4.888, 3.4.889, 3.4.890, 3.4.891, 3.4.892, 3.4.893, 3.4.894, 3.4.895, 3.4.896, 3.4.897, 3.4.898, 3.4.899, 3.4.900, 3.4.901, 3.4.902, 3.4.903, 3.4.904, 3.4.905, 3.4.906, 3.4.907, 3.4.908, 3.4.909, 3.4.910, 3.4.911, 3.4.912, 3.4.913, 3.4.914, 3.4.915, 3.4.916, 3.4.917, 3.4.918, 3.4.919, 3.4.920, 3.4.921, 3.4.922, 3.4.923, 3.
TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE) <sup>1,2</sup>																															
0-9	0	0																															
10-25	2	0																															
26-50	8	2																															
51-75	13	3																															
76-100	17	4																															
101-150	25	6																															
151-200	35	9																															
201 AND OVER	20 percent of actual parking spaces <sup>1</sup>	25 percent of EV capable spaces <sup>1</sup>																															
TOTAL NUMBER OF ACTUAL PARKING SPACES	MINIMUM TOTAL KVA @ 6.6 KVA	TOTAL KVA REQUIRED IN ANY COMBINATION OF EV CAPABLES 3.4, 3.4.1, 3.4.2, 3.4.3, 3.4.4, 3.4.5, 3.4.6, 3.4.7, 3.4.8, 3.4.9, 3.4.10, 3.4.11, 3.4.12, 3.4.13, 3.4.14, 3.4.15, 3.4.16, 3.4.17, 3.4.18, 3.4.19, 3.4.20, 3.4.21, 3.4.22, 3.4.23, 3.4.24, 3.4.25, 3.4.26, 3.4.27, 3.4.28, 3.4.29, 3.4.30, 3.4.31, 3.4.32, 3.4.33, 3.4.34, 3.4.35, 3.4.36, 3.4.37, 3.4.38, 3.4.39, 3.4.40, 3.4.41, 3.4.42, 3.4.43, 3.4.44, 3.4.45, 3.4.46, 3.4.47, 3.4.48, 3.4.49, 3.4.50, 3.4.51, 3.4.52, 3.4.53, 3.4.54, 3.4.55, 3.4.56, 3.4.57, 3.4.58, 3.4.59, 3.4.60, 3.4.61, 3.4.62, 3.4.63, 3.4.64, 3.4.65, 3.4.66, 3.4.67, 3.4.68, 3.4.69, 3.4.70, 3.4.71, 3.4.72, 3.4.73, 3.4.74, 3.4.75, 3.4.76, 3.4.77, 3.4.78, 3.4.79, 3.4.80, 3.4.81, 3.4.82, 3.4.83, 3.4.84, 3.4.85, 3.4.86, 3.4.87, 3.4.88, 3.4.89, 3.4.90, 3.4.91, 3.4.92, 3.4.93, 3.4.94, 3.4.95, 3.4.96, 3.4.97, 3.4.98, 3.4.99, 3.4.100, 3.4.101, 3.4.102, 3.4.103, 3.4.104, 3.4.105, 3.4.106, 3.4.107, 3.4.108, 3.4.109, 3.4.110, 3.4.111, 3.4.112, 3.4.113, 3.4.114, 3.4.115, 3.4.116, 3.4.117, 3.4.118, 3.4.119, 3.4.120, 3.4.121, 3.4.122, 3.4.123, 3.4.124, 3.4.125, 3.4.126, 3.4.127, 3.4.128, 3.4.129, 3.4.130, 3.4.131, 3.4.132, 3.4.133, 3.4.134, 3.4.135, 3.4.136, 3.4.137, 3.4.138, 3.4.139, 3.4.140, 3.4.141, 3.4.142, 3.4.143, 3.4.144, 3.4.145, 3.4.146, 3.4.147, 3.4.148, 3.4.149, 3.4.150, 3.4.151, 3.4.152, 3.4.153, 3.4.154, 3.4.155, 3.4.156, 3.4.157, 3.4.158, 3.4.159, 3.4.160, 3.4.161, 3.4.162, 3.4.163, 3.4.164, 3.4.165, 3.4.166, 3.4.167, 3.4.168, 3.4.169, 3.4.170, 3.4.171, 3.4.172, 3.4.173, 3.4.174, 3.4.175, 3.4.176, 3.4.177, 3.4.178, 3.4.179, 3.4.180, 3.4.181, 3.4.182, 3.4.183, 3.4.184, 3.4.185, 3.4.186, 3.4.187, 3.4.188, 3.4.189, 3.4.190, 3.4.191, 3.4.192, 3.4.193, 3.4.194, 3.4.195, 3.4.196, 3.4.197, 3.4.198, 3.4.199, 3.4.200, 3.4.201, 3.4.202, 3.4.203, 3.4.204, 3.4.205, 3.4.206, 3.4.207, 3.4.208, 3.4.209, 3.4.210, 3.4.211, 3.4.212, 3.4.213, 3.4.214, 3.4.215, 3.4.216, 3.4.217, 3.4.218, 3.4.219, 3.4.220, 3.4.221, 3.4.222, 3.4.223, 3.4.224, 3.4.225, 3.4.226, 3.4.227, 3.4.228, 3.4.229, 3.4.230, 3.4.231, 3.4.232, 3.4.233, 3.4.234, 3.4.235, 3.4.236, 3.4.237, 3.4.238, 3.4.239, 3.4.240, 3.4.241, 3.4.242, 3.4.243, 3.4.244, 3.4.245, 3.4.246, 3.4.247, 3.4.248, 3.4.249, 3.4.250, 3.4.251, 3.4.252, 3.4.253, 3.4.254, 3.4.255, 3.4.256, 3.4.257, 3.4.258, 3.4.259, 3.4.260, 3.4.261, 3.4.262, 3.4.263, 3.4.264, 3.4.265, 3.4.266, 3.4.267, 3.4.268, 3.4.269, 3.4.270, 3.4.271, 3.4.272, 3.4.273, 3.4.274, 3.4.275, 3.4.276, 3.4.277, 3.4.278, 3.4.279, 3.4.280, 3.4.281, 3.4.282, 3.4.283, 3.4.284, 3.4.285, 3.4.286, 3.4.287, 3.4.288, 3.4.289, 3.4.290, 3.4.291, 3.4.292, 3.4.293, 3.4.294, 3.4.295, 3.4.296, 3.4.297, 3.4.298, 3.4.299, 3.4.300, 3.4.301, 3.4.302, 3.4.303, 3.4.304, 3.4.305, 3.4.306, 3.4.307, 3.4.308, 3.4.309, 3.4.310, 3.4.311, 3.4.312, 3.4.313, 3.4.314, 3.4.315, 3.4.316, 3.4.317, 3.4.318, 3.4.319, 3.4.320, 3.4.321, 3.4.322, 3.4.323, 3.4.324, 3.4.325, 3.4.326, 3.4.327, 3.4.328, 3.4.329, 3.4.330, 3.4.331, 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3.4.887, 3.4.888, 3.4.889, 3.4.890, 3.4.891, 3.4.892, 3.4.893, 3.4.894, 3.4.895, 3.4.896, 3.4.897, 3.4.898, 3.4.899, 3.4.900, 3.4.901, 3.4.902, 3.4.903, 3.4.904, 3.4.905, 3.4.906, 3.4.907, 3.4.908, 3.4.909, 3.4.910, 3.4.911, 3.4.912, 3.4.913, 3.4.914, 3.4.915, 3.4.916, 3.4.917, 3.4.918, 3.4.919, 3.4.920, 3.4.921, 3.4.922, 3.4.923, 3.																															



Y	N/A	RESPON- PARTY		<p><b>5.106.5.6.2.1 Reduced number of EV capable spaces.</b> The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces indicated in Table 5.106.5.6.1 by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.</p> <p><b>5.106.5.6.2.2 Multiple connectors.</b> EVSE with multiple vehicle connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.6.1 for each EV capable space is accumulatively supplied to the EVSE.</p> <p><b>5.106.5.6.2.3 Use of automatic load management systems (ALMS).</b> ALMS shall be permitted for EVCS installed in accordance with Section 5.106.5.6.2. When ALMS is installed, the required electrical load capacity specified in Section 5.106.5.6.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.</p> <p><b>5.106.5.6.3 EVCS alternative compliance.</b> In lieu of compliance with Section 5.106.5.6.2, EVCS shall be provided with Level 1, low power Level 2, or Level 2, or any combination of Level 1, low power Level 2 or Level 2 EVSE such that the total power supplied by the combination of EVSE meets the minimum power indicated in Table 5.106.5.6.3, based on the total number of actual parking spaces in each parking facility.</p>	Y	RESPON- PARTY	<p><input type="checkbox"/> ELEC</p>																																																																																			
				<p><b>TABLE 5.106.5.6.3</b></p> <table> <tr> <th>NUMBER OF PARKING SPACES IN A PARKING FACILITY</th><th>MINIMUM TOTAL POWER (KVA) REQUIRED FOR EVCS</th></tr> <tr> <td>0-9</td><td>0</td></tr> <tr> <td>10-25</td><td>7</td></tr> <tr> <td>26-50</td><td>14</td></tr> <tr> <td>51-75</td><td>20</td></tr> <tr> <td>76-100</td><td>27</td></tr> <tr> <td>101-150</td><td>40</td></tr> <tr> <td>151-200</td><td>60</td></tr> <tr> <td>201 AND OVER</td><td>Total required KVA = P × .05 × 6.6 Where P = Parking spaces in facility</td></tr> </table>	NUMBER OF PARKING SPACES IN A PARKING FACILITY		MINIMUM TOTAL POWER (KVA) REQUIRED FOR EVCS	0-9	0	10-25	7	26-50	14	51-75	20	76-100	27	101-150	40	151-200	60	201 AND OVER	Total required KVA = P × .05 × 6.6 Where P = Parking spaces in facility		<p><input type="checkbox"/> LANDSCAP</p>																																																																	
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			<p><b>5.106.5.6.4 EVCS for alterations or of additions to parking facilities.</b> Alterations or of additions to parking facilities shall provide EVCS in compliance with Section 5.106.5.6.4. The installation of infrastructure for EV capable spaces required to be provided without EVSE shall not be required.</p> <p><b>5.106.5.6.4.1 Alterations of and additions to parking facilities.</b> EVCS shall be provided in accordance with the number indicated in Table 5.106.5.6.1 or minimum power indicated in Table 5.106.5.6.3 when the scope of work includes an increase in power supply to an electric panel serving light fixtures illuminating the parking area or when area containing parking spaces is added to a parking facility. The number of required EVCS shall be based on the total number of existing and new parking spaces in the parking facility.</p> <p><b>5.106.5.6.4.2 Alterations consisting of the installation of photovoltaic systems.</b> EVCS shall be provided in accordance with the number indicated in Table 5.106.5.6.1 or maximum power indicated in Table 5.106.5.6.3 when a new photovoltaic system is installed in an existing parking facility.</p> <p><b>5.106.5.6.5 Requirement to install EVSE.</b> Level 2 EVSE shall be provided in all existing EV capable spaces to create EVCS when a project is required by California Administrative Code Section 4-309 to be submitted for plan approval to the Division of the State Architect. When EVSE is installed in existing EV capable spaces, accessible EVCS shall be provided in accordance with <i>California Building Code</i> Chapter 11B.</p> <p><b>Exception:</b> Projects in which improvements in parking areas consist only of accessibility improvements are not required to comply with Section 5.106.5.6.5.</p>			<p><input type="checkbox"/> ELEC</p>																																																																																				
			<p><b>5.106.8 LIGHT POLLUTION REDUCTION. [N].</b> I Outdoor lighting systems shall be designed and installed to comply with the following:</p> <ol style="list-style-type: none"> <li>The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and</li> <li>Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);</li> <li>Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and</li> <li>Allowable BUG ratings not exceeding those shown in Table 5.106.8. [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.</li> </ol> <p><b>Exceptions: [N]</b></p> <ol style="list-style-type: none"> <li>Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code.</li> <li>Emergency lighting.</li> <li>Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.</li> <li>Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.</li> <li>Luminaires with less than 6,200 initial lumenaire lumens.</li> </ol>			<p><input type="checkbox"/> ELEC</p>																																																																																				
			<p><b>TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS <sup>1,2</sup></b></p> <table> <tr> <th>ALLOWABLE RATING</th><th>LIGHTING ZONE L20</th><th>LIGHTING ZONE L21</th><th>LIGHTING ZONE L22</th><th>LIGHTING ZONE L23</th><th>LIGHTING ZONE L24</th></tr> <tr> <td><b>MAXIMUM ALLOWABLE BACKLIGHT RATING</b></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Luminaire greater than 2 mounting heights (MH) from property line</td><td>N/A</td><td>No Limit</td><td>No Limit</td><td>No Limit</td><td>No Limit</td></tr> <tr> <td>Luminaire back hemisphere is 1-2 MH from property line</td><td>N/A</td><td>B2</td><td>B3</td><td>B4</td><td>B4</td></tr> <tr> <td>Luminaire back hemisphere is 0.5-1 MH from property line</td><td>N/A</td><td>B1</td><td>B2</td><td>B3</td><td>B3</td></tr> <tr> <td>Luminaire back hemisphere is less than 0.5 MH from property line</td><td>N/A</td><td>B0</td><td>B0</td><td>B1</td><td>B2</td></tr> <tr> <td><b>MAXIMUM ALLOWABLE UPLIGHT RATING (U)</b></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>For area lighting -</td><td>N/A</td><td>U0</td><td>U0</td><td>U0</td><td>U0</td></tr> <tr> <td>For all other outdoor lighting including decorative luminaires</td><td>N/A</td><td>U1</td><td>U2</td><td>U3</td><td>UR</td></tr> <tr> <td><b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td><b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b></td><td>N/A</td><td>G1</td><td>G2</td><td>G3</td><td>G4</td></tr> <tr> <td><b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b></td><td>N/A</td><td>G0</td><td>G1</td><td>G1</td><td>G2</td></tr> <tr> <td><b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b></td><td>N/A</td><td>G0</td><td>G0</td><td>G1</td><td>G1</td></tr> <tr> <td><b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b></td><td>N/A</td><td>G0</td><td>G0</td><td>G0</td><td>G1</td></tr> </table>	ALLOWABLE RATING	LIGHTING ZONE L20	LIGHTING ZONE L21	LIGHTING ZONE L22	LIGHTING ZONE L23	LIGHTING ZONE L24	<b>MAXIMUM ALLOWABLE BACKLIGHT RATING</b>						Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit	Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	B3	B4	B4	Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	B3	B3	Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2	<b>MAXIMUM ALLOWABLE UPLIGHT RATING (U)</b>						For area lighting -	N/A	U0	U0	U0	U0	For all other outdoor lighting including decorative luminaires	N/A	U1	U2	U3	UR	<b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b>						<b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b>	N/A	G1	G2	G3	G4	<b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b>	N/A	G0	G1	G1	G2	<b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b>	N/A	G0	G0	G1	G1	<b>MAXIMUM ALLOWABLE GLARE RATING - (G)</b>	N/A	G0	G0	G0	G1			<p><input type="checkbox"/> PLUMB</p>
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			<p>1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the <i>California Energy Code</i> and Chapter 10 of the <i>California Administrative Code</i>.</p> <p>2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.</p> <p>3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet U-value limits for "all other outdoor lighting"</p>																																																																																							

**DISCLAIMER:** THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.

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**5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS.** Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

**5.303.3.1 Water Closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets.

**Note:** The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

**5.303.3.2 Urinals.**

**5.303.3.2.1 Wall-mounted Urinals.** The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

**5.303.3.2.2 Floor-mounted Urinals.** The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

**5.303.3.3 Showerheads. [BSC-CG]**

**5.303.3.3.1 Single showerhead.** Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

**5.303.3.3.2 Multiple showerheads serving one shower.** When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.  
**Note:** A hand-held shower shall be considered a showerhead.

**5.303.3.3 Showerheads. [BSC-CG]**

**5.303.3.3.1 Single showerhead.** Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

**5.303.3.3.2 Multiple showerheads serving one shower.** When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.  
**Note:** A hand-held shower shall be considered a showerhead.

**5.303.3.4 Faucets and fountains.**

**5.303.3.4.1 Nonresidential Lavatory faucets.** Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

**5.303.3.4.2 Kitchen faucets.** Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

**5.303.3.4.3 Wash fountains.** Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [in] space (inches) at 60 psi.

**5.303.3.4.4 Metering faucets.** Metering faucets shall not deliver more than 0.20 gallons per cycle.

**5.303.3.4.5 Metering faucets for wash fountains.** Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [in] space (inches) at 60 psi.  
**Note:** Where comping faucets are unavailable, aerators or other means may be used to achieve reduction.

**5.303.3.4.6 Pre-rinse spray valve**  
When installed, shall meet the requirements in the California Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607 (d)(7), and shall be equipped with an integral automatic shutoff.

**FOR REFERENCE ONLY:**The following table and code section have been reprinted from the California Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).

TABLE H-2 STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALVES MANUFACTURED ON OR AFTER JANUARY 28, 2019	
PRODUCT CLASS [spray force in ounce force (ozf)]	MAXIMUM FLOW RATE (gpm)
Product Class 1 ( $\leq 5.0$ ozf)	1.00
Product Class 2 ( $> 5.0$ ozf and $\leq 8.0$ ozf)	1.20
Product Class 3 ( $> 8.0$ ozf)	1.28

**5.303.4 COMMERCIAL KITCHEN EQUIPMENT.**

**5.303.4.1 Food Waste Disposers.** Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall not use no more than 8 gm of water.  
**Note:** This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

**5.303.5 AREAS OF ADDITION OR ALTERATION.** For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new features in additions or areas of alteration to the building.

**5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS.** Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code and in Chapter 6 of this code.

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**SECTION 5.304 OUTDOOR WATER USE**

**5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.** Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

**Notes:**

- The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.
- MWELO and supporting documents, including a water budget calculator, are available at:  
<https://www.water.ca.gov/>

**5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.** For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490.4 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional credit allowance for special landscape areas (SLA) of 0.35.

**Exception:** Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

**5.304.6.1 Newly constructed landscapes.** New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

**5.304.6.2 Rehabilitated landscapes.** Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

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**DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY**

**SECTION 5.401 GENERAL**

**5.401.1 SCOPE.** The provisions of this chapter specify the requirements of achieving material conservation, resource efficiency, and greenhouse gas (GHG) emission reduction through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, the installation of products with lower GHG emissions and building commissioning or testing and adjusting.

**SECTION 5.402 DEFINITIONS**

**5.402.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference)

**ADJUST.** To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

NOTE: To provide flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

**BUILDING COMMISSIONING.** A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

**BUY CLEAN CALIFORNIA ACT (BCCA).** The Buy Clean California Act (BCCA) (Public Contract Code Sections 3500-3505) targets carbon emissions associated with the production of structural steel (hot-rolled sections, hollow structural sections, cold-formed sections, steel plate, flat glass, and mineral wool board insulation). The maximum acceptable global warming potential (GWP) limits are established by the Department of General Services (DGS), in consultation with the California Air Resources Board (CARB).

**CRADLE-TO-GRAVE.** Activities associated with a product or building's life cycle from the extraction stage through disposal stage, and covering materials A1 through C4 in accordance with ISO Standards 14025 and 21930.

**ORGANIC WASTE.** Food waste, green waste, green landscape and pruning waste, nonhazardous wood waste, and food soil contact waste that is mixed in with food waste.

**REFERENCE STUDY PERIOD.** The period of use for the building, in years, that will be assumed for life cycle 150+ assessment.

**TEST.** A procedure to determine quantitative performance of a system or equipment

**TYPE III ENVIRONMENTAL PRODUCT DECLARATION (EPD).** A third-party verified report that summarizes how a product impacts the environment. Type III EPDs can be either product-specific, facility-specific, or industry-wide EPDs. See "Cradle-to-Gate."

**FACTORY-SPECIFIC EPD.** A product-specific Type III EPD in which the environmental impacts can be attributed to a single manufacturer and manufacturing facility.

**INDUSTRY-WIDE EPD (IW-EPD).** A Type III EPD in which the environmental impacts are an average of the typical manufacturing impacts for a range of products within the same product category for a group of manufacturers.

**PRODUCT-SPECIFIC EPD.** A Type III EPD in which the environmental impacts can be attributed to a product design and manufacturer across multiple facilities.

**SECTION 5.407 WASTE RESISTANCE AND MOISTURE MANAGEMENT**

**5.407.1 WEATHER PROTECTION.** Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

**5.407.2 MOISTURE CONTROL.** Employ moisture control measures by the following methods.

**5.407.2.1 Sprinklers.** Design and maintain landscape irrigation systems to prevent spray on structures.

**5.407.2.2 Entries and openings.** Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

**5.407.2.2.1 Exterior door protection.** Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

**5.407.2.2.2 Flashing.** Install flashings integrated with a drainage plane.

**SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING**

**5.408.1 CONSTRUCTION WASTE MANAGEMENT.** Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Sections 5.408.1.1, 5.408.1.2 or 5.408.1.3, or meet a local construction and demolition waste management ordinance, whichever is more stringent.

**5.408.1.1 Construction waste management plan.** Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient use, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (separate-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

**5.408.1.2 Waste Management Company.** Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with the section.

**Note:** The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

**Exceptions to Sections 5.408.1.1 and 5.408.1.2:**

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or combined in consideration of local recycling facilities and markets.

**5.408.1.3 Waste stream reduction alternative.** The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.

**5.408.1.4 Documentation.** Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

**Notes:**

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" combined form [www.dgs.ca.gov/Resources/Policy-Center/Bulding-Standards-Commission-Combined-Form-Folder](http://www.dgs.ca.gov/Resources/Policy-Center/Bulding-Standards-Commission-Combined-Form-Folder) (California Department of General Services) may be used to assist in documenting compliance with the waste management plan.
2. Construction and demolition debris processing centers can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

**5.408.2 UNIVERSAL WASTE.** [A] Additions and alterations to a building or tenant space that meet the scope provisions in Section 5001.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste items are properly and safely disposed of and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.

**Note:** Refer to the Universal Waste Link at: <http://www.dts.ca.gov/universalwaste/>

**5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS.** 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing site is removed or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

**Exception:** Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

**Notes:**

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.
2. For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. ([www.cdafs.ca.gov](http://www.cdafs.ca.gov))

**SECTION 5.409 LIFE CYCLE ASSESSMENT**

**5.409.1 SCOPE (BSC-CC).** Effective July 1, 2024, projects consisting of newly constructed building(s) with a combined floor area of 50,000 square feet or greater shall comply with either Section 5.409.2 or Section 5.409.3. Alterations to an existing building(s) where the combined altered area is 100,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area of the building constructed with the existing building(s) is 100,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or Section 5.409.3. Effective January 1, 2026, the combined floor area shall be 50,000 square feet or greater.

**[DSA-83]** Projects consisting of newly constructed building(s) with a combined floor area of 50,000 square feet or greater shall comply with either Section 5.409.2 or Section 5.409.3. Alterations to existing building(s) where the combined altered area is 100,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area combined with the existing building(s) is 50,000 square feet or greater shall comply with either Section 5.105.2, Section 5.409.2, or Section 5.409.3.

THIS IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END

RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.









AIA California

# 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

## NONRESIDENTIAL MANDATORY MEASURES, SHEET 4 (July 2024 Supplement)

Y	NA	RESPON. PARTY	5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.	Y	NA	RESPON. PARTY	5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.	Y	NA	RESPON. PARTY	5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et. seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.	Y	NA	RESPON. PARTY	SECTION 5.507 ENVIRONMENTAL COMFORT 5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.	Y	NA	RESPON. PARTY	5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.
			TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS:				TABLE 5.504.4.5 - FORMALDEHYDE LIMITS:												
			GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS				MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION												
			COATING CATEGORY	CURRENT VOC LIMIT				PRODUCT	CURRENT LIMIT										
			FLAT COATINGS	50				HARDWOOD PLYWOOD VENEER CORE	0.05										
			NONFLAT COATINGS	100				HARDWOOD PLYWOOD COMPOSITE CORE	0.05										
			NONFLAT HIGH GLOSS COATINGS	150				PARTICLE BOARD	0.09										
			SPECIALTY COATINGS					MEDIUM DENSITY FIBERBOARD	0.11										
			ALUMINUM ROOF COATINGS	400				THIN MEDIUM DENSITY FIBERBOARD	0.13										
			BASEMENT SPECIALTY COATINGS	400				1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.											
			BITUMINOUS ROOF COATINGS	50				2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).											
			BITUMINOUS ROOF PRIMERS	350				5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CDC/DPH/DEOD/CEHLB/IAQ/Pages/VOC.aspx#material											
			BOND BREAKERS	350				5.504.4.7 Thermal insulation. Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CDC/DPH/DEOD/CEHLB/IAQ/Pages/VOC.aspx#material											
			CONCRETE CURING COMPOUNDS	350				5.504.4.8 Acoustical ceiling and wall panels. Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350). See California Department of Public Health's website for certification programs and testing labs.											
			CONCRETE/MASONRY SEALERS	100				5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.											
			DRIVEWAY SEALERS	50				5.504.4.8.2 Verification of compliance. Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.											
			DRY FOG COATINGS	150				5.504.4.8.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.											
			FAUX FINISHING COATINGS	350				Exceptions: Existing mechanical equipment.											
			FIRE RESISTIVE COATINGS	350				5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.											
			FLOOR COATINGS	100				5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.											
			FORM-RELEASE COMPOUNDS	250				SECTION 5.505 INDOOR MOISTURE CONTROL 5.505.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.											
			GRAPHIC ARTS COATINGS (SIGN PAINTS)	500				SECTION 5.506 INDOOR AIR QUALITY 5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.											
			HIGH-TEMPERATURE COATINGS	420				5.506.2 CARBON DIOXIDE (CO <sub>2</sub> ) MONITORING. For buildings or additions equipped with demand control ventilation, CO <sub>2</sub> sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120.1(a).											
			INDUSTRIAL MAINTENANCE COATINGS	250				5.506.3 Carbon dioxide (CO <sub>2</sub> ) monitoring in classrooms. (DSS-AS) Each public K-12 school classroom, as listed in Table 120.1-A of the California Energy Code, shall be equipped with a carbon dioxide monitor or sensor that meets the following requirements:											
			LOW SOLIDS COATINGS	120				1. The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable windows.											
			MAGNESITE CEMENT COATINGS	450				2. When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the carbon dioxide readings shall be available to and regularly monitored by facility personnel.											
			MASTIC TEXTURE COATINGS	100				3. A monitor shall provide notification through a visual indicator on the monitor when the carbon dioxide levels in the classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have exceeded 1,100ppm.											
			METALLIC PIGMENTED COATINGS	500				4. The monitor or sensor shall measure carbon dioxide levels at minimum 15-minute intervals and shall maintain a record of previous carbon dioxide measurements of not less than 30 days duration.											
			MULTICOLOR COATINGS	250				5. The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide levels with a range of 400ppm to 2000ppm or greater.											
			PRETREATMENT WASH PRIMERS	420				6. The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1,000ppm carbon dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than once every 5 years.											
			PRIMERS, SEALERS, & UNDERCOATERS	100															
			REACTIVE PENETRATING SEALERS	350															
			RECYCLED COATINGS	250															
			ROOF COATINGS	50															
			RUST PREVENTATIVE COATINGS	250															
			SHELLACS:																
			CLEAR	730															
			OPAQUE	550															
			SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100															
			STAINS	250															
			STONE CONSOLIDANTS	450															
			SWIMMING POOL COATINGS	340															
			TRAFFIC MARKING COATINGS	100															
			TUB & TILE REFINISH COATINGS	420															
			WATERPROOFING MEMBRANES	250															
			WOOD COATINGS	275															
			WOOD PRESERVATIVES	350															
			ZINC-RICH PRIMERS	340															
			1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS																
			2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.																
			3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.																
			5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:																
			1. Manufacturer's product specification																
			2. Field verification of on-site product containers																
			5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CDC/DPH/DEOD/CEHLB/IAQ/Pages/VOC.aspx#material																
			5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CDC/DPH/DEOD/CEHLB/IAQ/Pages/VOC.aspx#material																
			5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.																

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.



Dewberry Architect Inc.

1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93520

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ JQ  
APPROVED BY \_\_\_\_\_ EP  
CHECKED BY \_\_\_\_\_ JQ  
DATE \_\_\_\_\_ 10/29/2025  
TITLE \_\_\_\_\_

CALGREEN  
CHECKLIST

PROJECT NO. 50184787

G-503

SHEET NO.







F  
E  
D  
C  
B  
A

GENERAL NOTES:

- WORK SHOWN HEREON SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," LATEST EDITION AND SUPPLEMENTS, THE UNIFORM BUILDING CODE (EXCAVATION AND GRADING), AND CITY OF MCFARLAND LOCAL ORDINANCES AS APPLICABLE.
- ALL GRADING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT, "GEOTECHNICAL INVESTIGATION REPORT FOR THE MCFARLAND POLICE STATION", BY SOILS ENGINEERING, INC. DATED APRIL 4, 2025.
- EXISTING TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM A SURVEY DATED MARCH 11, 2025 BY WILEY D. HUGHES, SURVEYING.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL HIRE A LICENSED LAND SURVEYOR TO VERIFY THAT THE ELEVATIONS SHOWN ON THE GRADING PLAN AT THE JOIN TO THE EXISTING IMPROVEMENTS MATCHES THE EXISTING ELEVATIONS IN THE FIELD. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES, AND SHALL NOT BEGIN CONSTRUCTION, IN THE AREAS OF DISCREPANCIES UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
- PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL POTHOLE AND VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMIT OF WORK SHOWN ON THE CONSTRUCTION DRAWINGS, INCLUDING VERTICAL AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND FACILITIES AT THE POINT-OF-CONNECTIONS AND CROSSINGS WITH THE PROPOSED UNDERGROUND FACILITIES. CONTRACTOR SHALL VERIFY THE POTHOLES INFORMATION AGAINST THE CONSTRUCTION DRAWINGS AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES AND/OR CONFLICTS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION OF UNDERGROUND FACILITIES UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
- ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- IF AT ANY TIME DURING GRADING OPERATIONS, ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, GRADING IN THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED.
- THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE ELEVATION.
- STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.
- ALL FILL SOILS OR SOILS DISTURBED OR OVEREXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED PER THE REQUIREMENTS OF THE SOILS REPORT BUT NOT LESS THAN 90% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D-1557.
- THE CONTRACTOR SHALL OBTAIN AN O.S.H.A. PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER.
- DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER FROM TOP OF PIPE TO FINISHED GRADE, UNLESS OTHERWISE NOTED.
- THRUST BLOCKS SHALL BE INSTALLED AT WATERLINE HORIZONTAL AND VERTICAL BENDS, TEES, CAPPED ENDS AND REDUCERS ACCORDING TO THE DETAILS PROVIDED ON THESE PLANS.
- CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR.
- THE CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH RESURFACING.
- CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT PRIOR TO EXCAVATION.  
SOUTHERN CALIFORNIA: DIGALERT.ORG  
PHONE: 811
- ALL DIMENSIONS ARE IN FEET OR DECIMALS THEREOF.
- ALL CURB DIMENSIONS AND RADII ARE TO PAVEMENT FACE OF CURB.
- CONTRACTOR TO BE AWARE OF ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.
- WATER SHALL BE PROVIDED ONSITE AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS FROM THE CITY OF MCFARLAND FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUNDWATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.
- BLANKET PROTECTION SHALL BE PROVIDED FOR ALL UTILITY PIPES AND CONDUITS UNDER DRIVEWAYS, ROADWAYS, PARKING LOTS, AND OTHER VEHICULAR PATH OF TRAVEL PER APWA STANDARD PLAN 225-1 WHERE THE MINIMUM COVER OVER THE PIPES AND CONDUITS IS LESS THAN 36".
- CONTRACTOR SHALL ADJUST ALL EXISTING UTILITIES SUCH AS MANHOLE COVERS, CLEAN OUTLET COVERS, METER BOXES, PULL BOXES, VALVE BOXES, AREA DRAINS, CATCH BASINS, FIRE HYDRANTS AND OTHER SURFACE UTILITIES TO NEW FINISH GRADE. NOT ALL EXISTING SURFACE UTILITIES MAY HAVE BEEN IDENTIFIED ON THESE PLANS THAT MAY REQUIRE ADJUSTMENT TO NEW GRADE, THE CONTRACTOR SHALL BE RESPONSIBLE TO VISIT THE SITE TO FULLY ACKNOWLEDGE, UNDERSTAND AND INCLUDE THE EXTEND OF WORK REQUIRED.

CONTRACTOR'S SUBMITTAL REQUIREMENTS:

THE FOLLOWING LIST IDENTIFIES SUBMITTALS THAT THE CONTRACTOR MUST PROVIDE PROMPTLY TO KPFF FOR REVIEW AND RESPONSE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OUTLINED IN THE CONTRACT DOCUMENTS, REGARDLESS OF WHETHER KPFF SPECIFICALLY REQUESTS REVIEW OF INDIVIDUAL ITEMS LISTED BELOW. WORK RELATED TO THESE SUBMITTALS SHALL NOT BEGIN UNTIL KPFF HAS PROVIDED WRITTEN APPROVAL.

- ASPHALT CONCRETE PAVEMENT MIX DESIGN
- PORTLAND CEMENT CONCRETE MIX DESIGN FOR WALKWAYS, VEHICULAR PAVEMENT, CURBS, GUTTERS, CROSS GUTTERS, AND SWALES
- PAVEMENT AGGREGATE BASE
- PAVEMENT STRIPING
- TRUNCATED DOMES (ADA)
- SIGNAGE
- STORM DRAIN PIPES, FITTINGS, CLEANOUTS, MANHOLES, VAULTS, CATCH BASINS, GRATES, COVERS, LIDS, STORMWATER QUALITY COMPONENTS, CONCRETE, AND LEAKAGE TEST PROCEDURE AND RESULTS.
- SUBDRAIN SYSTEMS (PIPES, AGGREGATE, AND FILTER FABRIC)
- SANITARY SEWER PIPES, FITTINGS, CLEANOUTS, MANHOLES, CONCRETE, AND LEAKAGE TEST PROCEDURE AND RESULTS.
- WATER PIPES, FITTINGS, VALVES, BACKFLOW PREVENTER ASSEMBLIES, FIRE DEPARTMENT CONNECTIONS, FIRE HYDRANTS, CONCRETE, HYDROSTATIC TEST RESULTS, AND PURGING AND DISINFECTION ACTIVITIES REPORT.

NOTE:  
ALL UNDERGROUND METAL PIPE AND FITTINGS SHALL BE FILM WRAPPED WITH LINEAR LOW-DENSITY POLYETHYLENE (LLDPE) PIPE ENCASEMENT, WITH A MINIMUM THICKNESS OF 8-MILS, IN ACCORDANCE WITH AWWA C105. THE LLDPE ENCASEMENT SHALL BE TAPED WITH 10-MIL PVC PIPE WRAP TAPE. USE OF DUCT TAPE SHALL NOT BE PERMITTED.

LEGEND:

GENERAL

--- CIVIL LIMITS OF WORK  
--- SHEET MATCH LINE

ANNOTATION

100.00XX SURFACE ELEVATION/UTILITY ELEVATION  
(100.00XX)  
XX EXISTING SURFACE ELEVATION/UTILITY ELEVATION  
2.0% CONSTRUCTION NOTE  
2:1 FLOW (DIRECTION AND GRADE)  
XX HORIZONTAL CONTROL POINT LABEL  
CX CURVE DATA LABEL  
FF=100.00 PAD/FINISHED FLOOR ELEVATION

SITE

--- CURB/BACK OF CURB/GUTTER  
--- RETAINING WALL/SITE WALL  
--- PROPERTY LINE/RIGHT OF WAY  
--- CENTER LINE  
--- FENCE  
- - - - - TO BE DEMOLISHED  
- - - - - ISOLATION JOINT

EROSION CONTROL

--- GRAVEL BAG  
--- SURFACE FLOW DIRECTION

GRADING

100 PROPOSED MAJOR CONTOUR  
102 PROPOSED MINOR CONTOUR  
--- FLOW LINE  
--- GB GRADE BREAK LINE  
--- R RIDGE LINE  
--- EARTHEN SWALE  
--- SAWCUT  
--- LIMITS OF GRADING

UTILITY

SS SANITARY SEWER  
W WATER  
DW DOMESTIC WATER  
FW FIRE WATER  
SD STORM DRAIN  
G GAS  
E ELECTRIC  
T TELEPHONE  
--- PERFORATED PIPE  
--- POINT OF CONNECTION  
--- COORDINATION POINT  
--- CAP OR PLUG  
--- UTILITY MANHOLE  
--- UTILITY CLEANOUT  
--- STORM DRAIN INLET  
--- AREA DRAIN/PLANTER DRAIN  
--- TRENCH DRAIN  
--- FIRE HYDRANT  
--- THRUST BLOCK  
--- FIRE DEPARTMENT CONNECTION (FDC)  
--- POST INDICATOR VALVE (PIV)  
--- WATER VALVE  
--- BACKFLOW ASSEMBLY  
--- UTILITY METER VAULT

ABBREVIATIONS:

AC	ASPHALTIC CONCRETE	(N)	NORTH
BW	BACK OF WALK	NTS	NOT TO SCALE
BLDG	BUILDING	PA	PLANTER AREA
BM	BENCH MARK	POC	POINT OF CONNECTION
BOS	BOTTOM OF STAIRS	PIV	POST INDICATOR VALVE
BMP	BEST MANAGEMENT PRACTICES	PCC	PORTLAND CEMENT CONCRETE
CB	CATCH BASIN	PRV	PRESSURE REDUCING VALVE
CI	CAST IRON	PVC	POLYVINYL CHLORIDE
CL, C	CENTER LINE	PL, P	PROPERTY LINE
CMU	CONCRETE MASONRY UNIT	R=	RADIUS
CO	CLEANOUT	RCIP	RECTANGULAR CAST IRON PIPE
CONC	CONCRETE	RD	ROOF DRAIN
CF	CURB FACE	RW, R/W	RIGHT-OF-WAY
DW	DOMESTIC WATER	(S)	SOUTH
(E)	EAST	S=	SLOPE EQUALS
EG	EDGE OF GUTTER	SD	STORM DRAIN
EL., ELEV	ELEVATION	SSMH	SANITARY SEWER MANHOLE
ELEC	ELECTRIC, ELECTRICAL	SS	SANITARY SEWER
EX., EXIST.	EXISTING	STD	STANDARD
FDC	FIRE DEPARTMENT CONNECTION	SDMH	STORM DRAIN MANHOLE
FF	FINISHED FLOOR	TC	TOP OF CURB
FG	FINISHED GRADE (LANDSCAPE)	TEL	TELEPHONE
FS	FINISHED SURFACE (HARDSCAPE)	TG	TOP OF GRATE
FH	FIRE HYDRANT	TOS	TOP OF STAIRS
FL	FLOW LINE	TW	TOP OF WALL
FT	FOOT OR FEET	TS	TRAFFIC SIGNAL
FU	FIXTURE UNITS	TSB	TRAFFIC SIGNAL BOX
GV	GATE VALVE	TYP	TYPICAL
FW	FIRE WATER	TV	TELEVISION
GPM	GALLONS PER MINUTE	V.I.F.	VERIFY IN FIELD
HDPE	HIGH DENSITY POLYETHYLENE	VLT	VAULT
HP, (HP)	HIGH POINT	VCP	VITRIFIED CLAY PIPE
INV.	INVERT	(W)	WEST
LP, (LP)	LOW POINT	W	WATER
MAX.	MAXIMUM	WM	WATER METER
MIN.	MINIMUM	WV	WATER VALVE
MH	MANHOLE		

PROJECT DIRECTORY:

ARCHITECT:  
DEBERRY ARCHITECTS, INC.  
1760 CREEKSIDE OAKS DRIVE, SUITE 280  
TEL: 916.239.7244  
CONTACT: JESSICA FISHER

CIVIL ENGINEER:  
KPFF CONSULTING ENGINEERS  
140 NEWPORT CENTER DRIVE, SUITE 100  
NEWPORT BEACH, CA 92626  
TEL: 949.478.8800  
CONTACT: ALI KHAMSI

SOILS ENGINEER:  
SOILS ENGINEERING, INC.  
4400 YEAGER WAY, SUITE 1A  
BAKERSFIELD, CA 93313  
TEL: 661.831.5100  
CONTACT: ON MAN LAU

SURVEYOR:  
WILEY HUGHES, SURVEYING  
218 SOUTH "H" STREET, SUITE 203  
BAKERSFIELD, CA 93304  
TEL: 661.834.1492  
CONTACT: WILEY HUGHES

CIVIL SHEET INDEX

SHEET	TITLE
C-001	TITLE SHEET
C-110	EROSION CONTROL AND DEMOLITION PLAN
C-130	GRADING PLAN
C-140	PAVING PLAN
C-150	UTILITY PLAN
C-151	FIRE PLAN
C-160	ALTERNATE BID
C-500	DETAILS
C-501	DETAILS
C-502	DETAILS
C-503	DETAILS
C-504	DETAILS

CITY WATER ENGINEER APPROVAL

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_



VICINITY MAP  
NOT TO SCALE

SOILS ENGINEER/GEOLOGIST STATEMENT:

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF SOILS ENGINEERING/GEOLOGICAL REPORT BY SOILS ENGINEERING, INC. DATED APRIL 4, 2025.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ STAMP \_\_\_\_\_



Dewberry Architects Inc.

8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



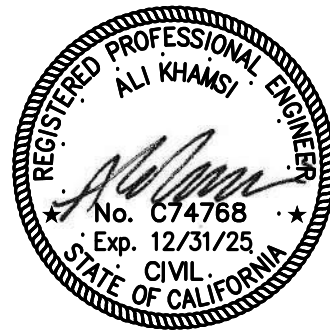
140 Newport Center Drive,  
Suite 100  
Newport Beach, CA 92660  
O: 949.478.8800  
www.kpff.com

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ TN  
APPROVED BY \_\_\_\_\_ AMc  
CHECKED BY \_\_\_\_\_ AK  
DATE \_\_\_\_\_ 10/29/2025  
TITLE \_\_\_\_\_

TITLE SHEET

PROJECT NO. 50184767

C-001

SHEET NO.



## WE1—WIND EROSION CONTROL

(E1)	STABILIZED CONSTRUCTION ENTRANCE PER KERN COUNTY PUBLIC WORKS PLATE NO. BMP-4.
(E2)	MATERIAL DELIVERY AND STORAGE PER PER KERN COUNTY PUBLIC WORKS PLATE NO. BMP-7.
(E3)	SOLID WASTE MANAGEMENT PER CASQA BMP WM-5.
(E4)	CONCRETE WASTE MANAGEMENT PER KERN COUNTY PUBLIC WORKS PLATE NO. BMP-8.
(E5)	SANITARY/SEPTIC WASTE MANAGEMENT PER CASQA BMP WM-9.

1. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS AND WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES TO MEET "AS GRADED" CONDITIONS.
2. ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED BY THE INSPECTOR
3. WHEN THE INSPECTOR SO DIRECTS, A 12-INCH BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS.
4. STORM AND SEWER DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH SANDBAGS.
5. EXCEPT WHEN THE INSPECTOR DIRECTS OTHERWISE, ALL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS FORECAST, AND SHALL BE MAINTAINED DURING THE RAINY SEASON (OCTOBER 15 TO APRIL 15).
6. SANDBAGS SHALL BE STOCKPOILED ON SITE, READY TO BE PLACED IN POSITION WHEN RAIN IS FORECAST, OR WHEN THE INSPECTOR SO DIRECTS.
7. A "STANDBY EMERGENCY CREW" SHALL BE ALERTED BY THE PERMITTEE OR THE CONTRACTOR TO PERFORM EMERGENCY WORK DURING RAINSTORMS. THE PARTY TO BE CONTACTED IS:  
  
NAME: \_\_\_\_\_ (TO BE FILLED IN BY CONTRACTOR)  
PHONE NUMBER: \_\_\_\_\_

— — — — RIGHT-OF-WAY  
 ■ ■ ■ ■ LIMIT OF DEMOLITION  
 ▲ SURFACE FLOW DIRECTION

1 LARGE STONE. RELOCATION TO BE COORDINATED WITH THE ARCHITECT AND THE OWNER.

## SCALE

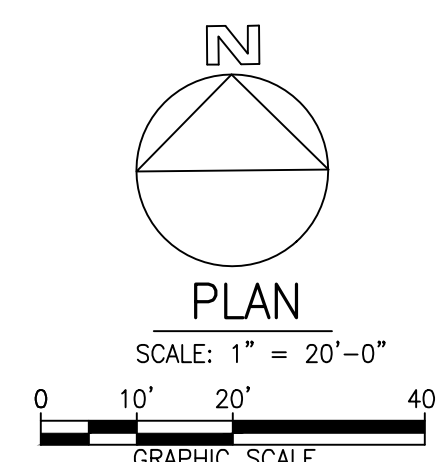
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DRAWN BY	TN
APPROVED BY	AMc
CHECKED BY	AK
DATE	10/29/2025

PROJECT NO.	50184767
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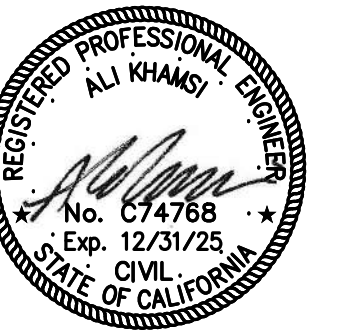
C-110

SHEET NO.





SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TN  
APPROVED BY: AMc  
CHECKED BY: AK  
DATE: 10/29/2025  
TITLE: GRADING PLAN

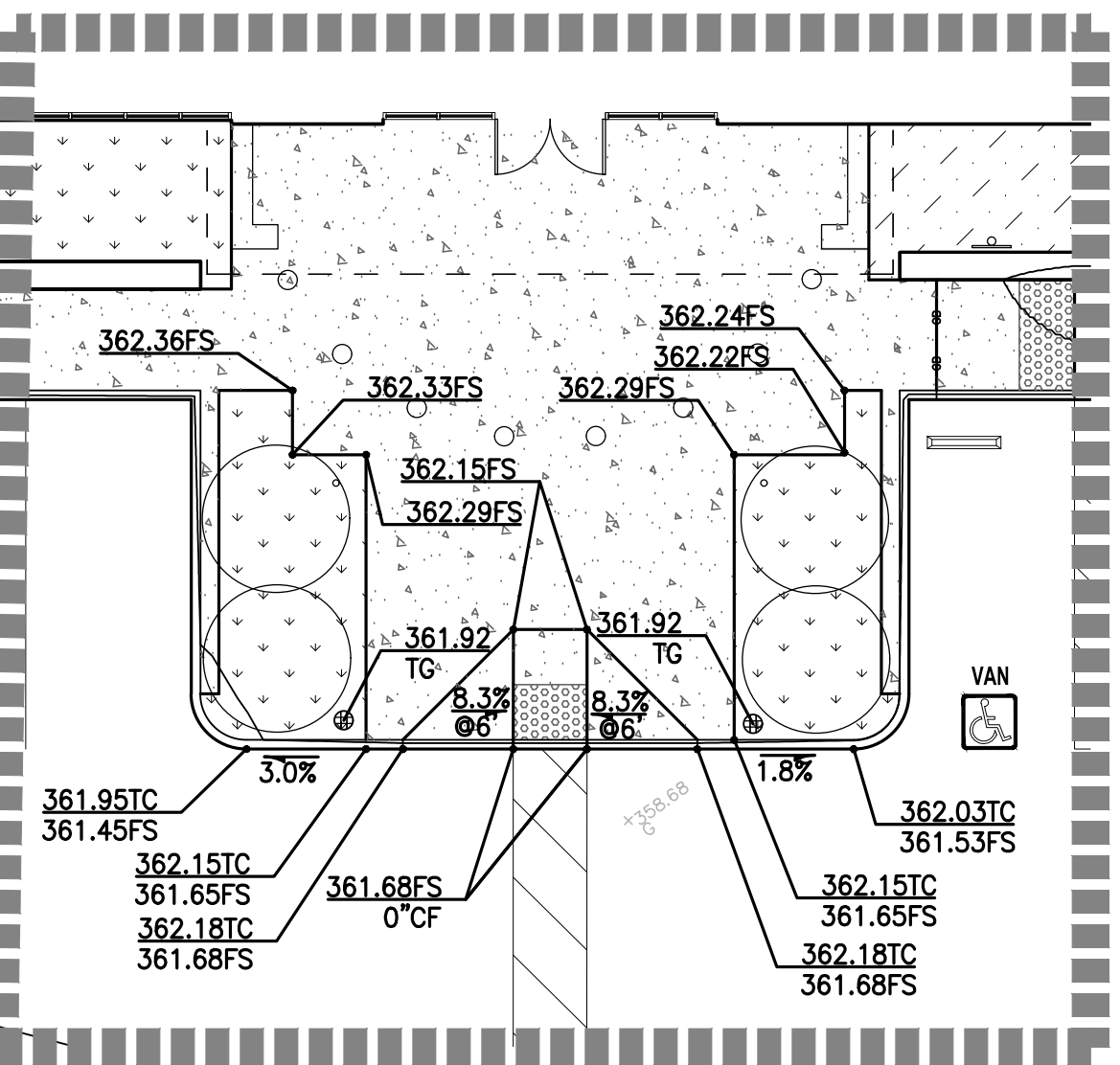
PROJECT NO. 50184767

C-130

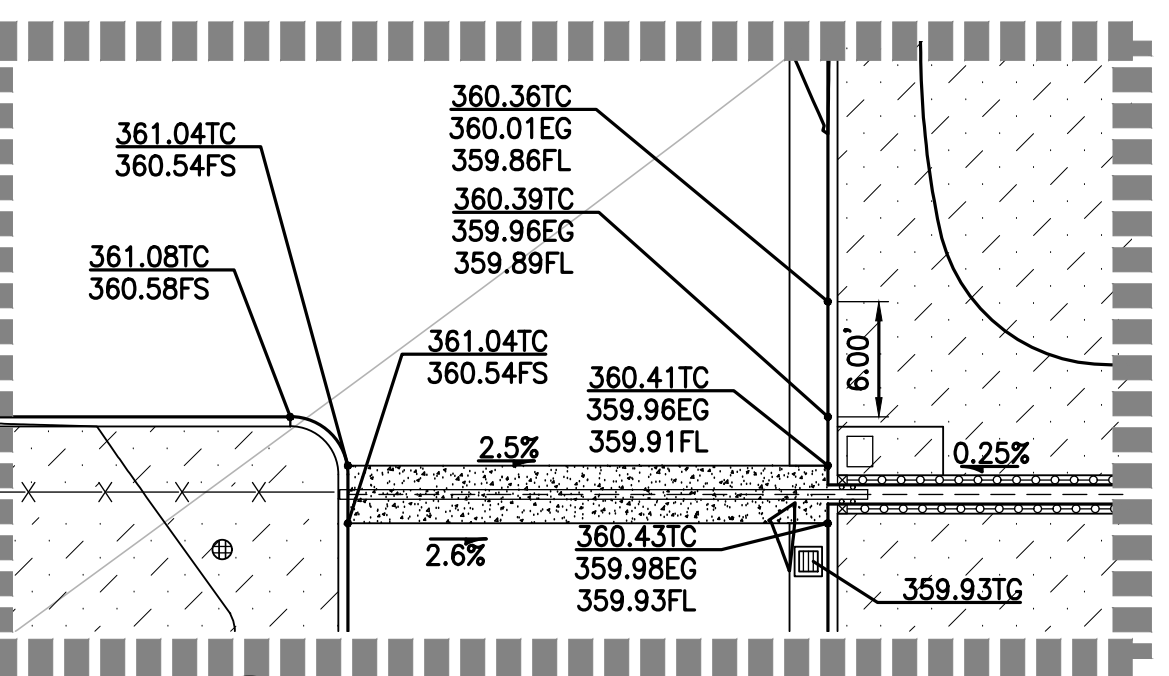
SHEET NO.

LEGEND:

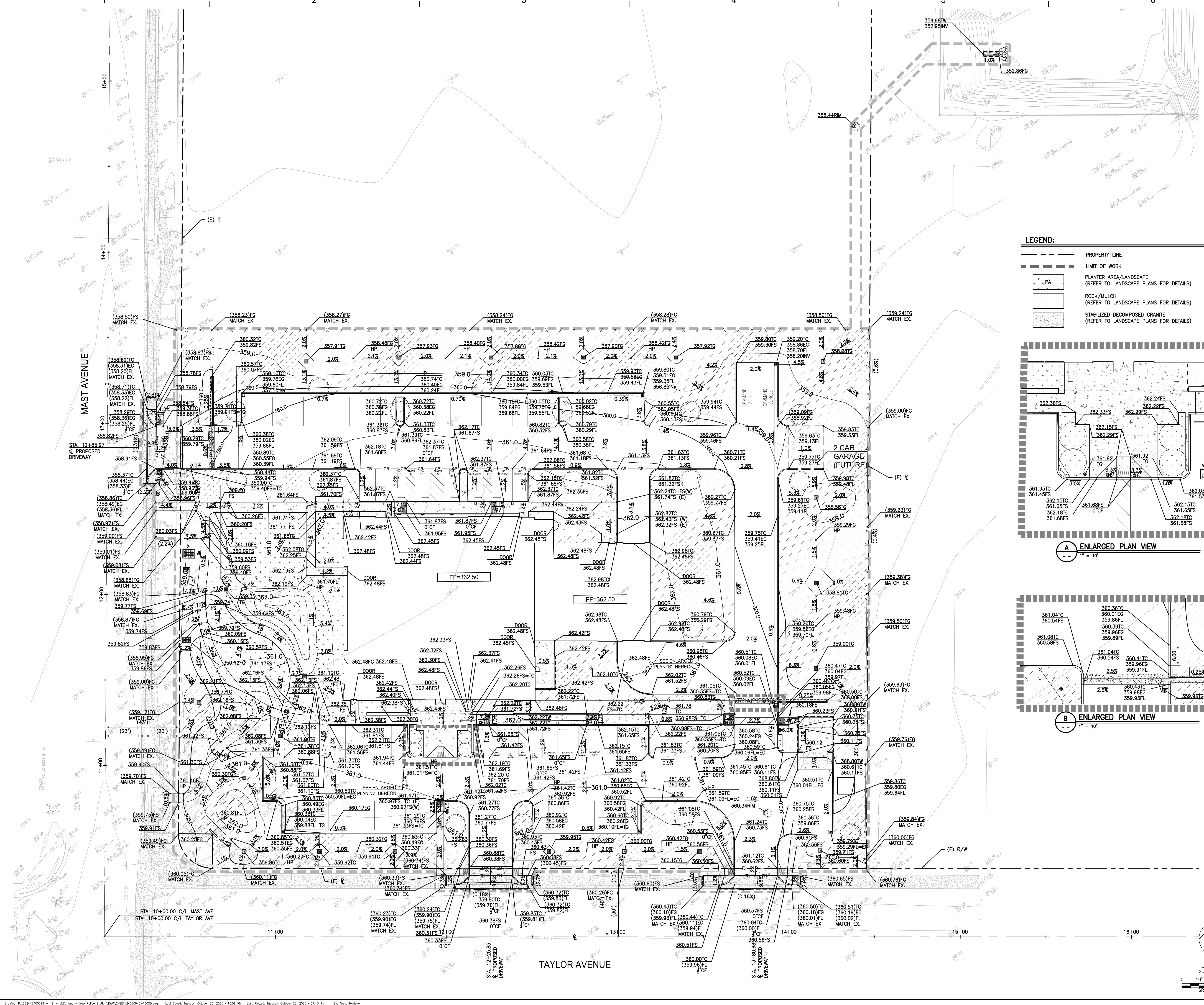
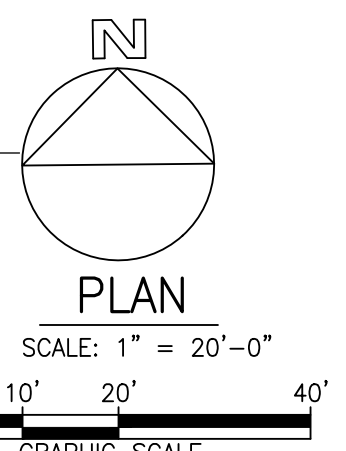
- PROPERTY LINE
- LIMIT OF WORK
- PLANTER AREA/LANDSCAPE  
(REFER TO LANDSCAPE PLANS FOR DETAILS)
- ROCK/MULCH  
(REFER TO LANDSCAPE PLANS FOR DETAILS)
- STABILIZED DECOMPOSED GRANITE  
(REFER TO LANDSCAPE PLANS FOR DETAILS)



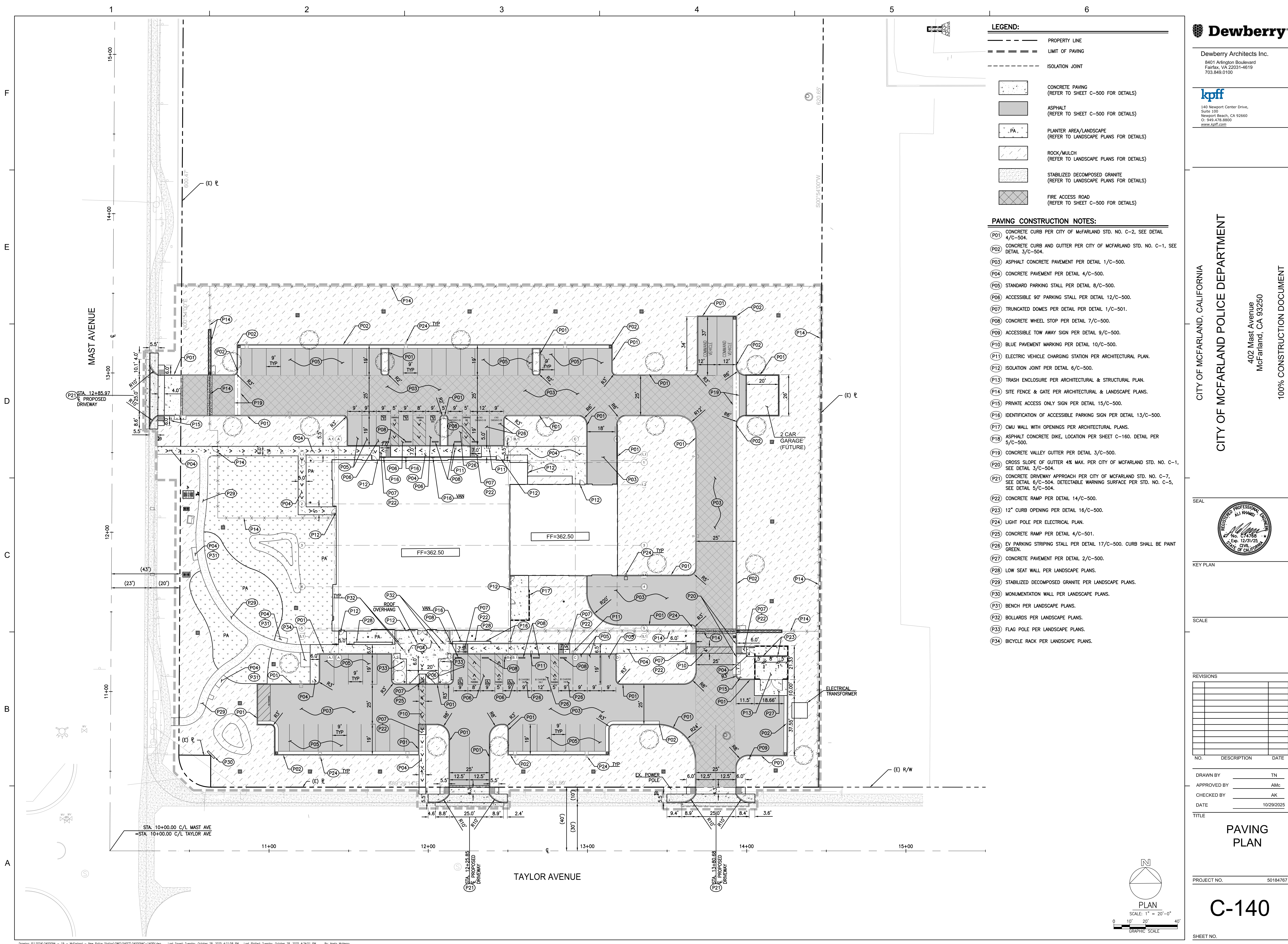
A ENLARGED PLAN VIEW  
1" = 10'



B ENLARGED PLAN VIEW  
1" = 10'







- LEGEND:**
- PROPERTY LINE
  - LIMIT OF PAVING
  - ISOLATION JOINT
  - CONCRETE PAVING (REFER TO SHEET C-500 FOR DETAILS)
  - ASPHALT (REFER TO SHEET C-500 FOR DETAILS)
  - PLANTER AREA/LANDSCAPE (REFER TO LANDSCAPE PLANS FOR DETAILS)
  - ROCK/MULCH (REFER TO LANDSCAPE PLANS FOR DETAILS)
  - STABILIZED DECOMPOSED GRANITE (REFER TO LANDSCAPE PLANS FOR DETAILS)
  - FIRE ACCESS ROAD (REFER TO SHEET C-500 FOR DETAILS)

- PAVING CONSTRUCTION NOTES:**
- P01 CONCRETE CURB PER CITY OF MCFARLAND STD. NO. C-2, SEE DETAIL 4/C-504.
  - P02 CONCRETE CURB AND GUTTER PER CITY OF MCFARLAND STD. NO. C-1, SEE DETAIL 3/C-504.
  - P03 ASPHALT CONCRETE PAVEMENT PER DETAIL 1/C-500.
  - P04 CONCRETE PAVEMENT PER DETAIL 4/C-500.
  - P05 STANDARD PARKING STALL PER DETAIL 8/C-500.
  - P06 ACCESSIBLE 90° PARKING STALL PER DETAIL 12/C-500.
  - P07 TRUNCATED DOMES PER DETAIL PER DETAIL 1/C-501.
  - P08 CONCRETE WHEEL STOP PER DETAIL 7/C-500.
  - P09 ACCESSIBLE TOW AWAY SIGN PER DETAIL 9/C-500.
  - P10 BLUE PAVEMENT MARKING PER DETAIL 10/C-500.
  - P11 ELECTRIC VEHICLE CHARGING STATION PER ARCHITECTURAL PLAN.
  - P12 ISOLATION JOINT PER DETAIL 6/C-500.
  - P13 TRASH ENCLOSURE PER ARCHITECTURAL & STRUCTURAL PLAN.
  - P14 SITE FENCE & GATE PER ARCHITECTURAL & LANDSCAPE PLANS.
  - P15 PRIVATE ACCESS ONLY SIGN PER DETAIL 15/C-500.
  - P16 IDENTIFICATION OF ACCESSIBLE PARKING SIGN PER DETAIL 13/C-500.
  - P17 CMU WALL WITH OPENINGS PER ARCHITECTURAL PLANS.
  - P18 ASPHALT CONCRETE DIKE, LOCATION PER SHEET C-160. DETAIL PER 5/C-500.
  - P19 CONCRETE VALLEY GUTTER PER DETAIL 3/C-500.
  - P20 CROSS SLOPE OF GUTTER 4% MAX. PER CITY OF MCFARLAND STD. NO. C-1, SEE DETAIL 3/C-504.
  - P21 CONCRETE DRIVEWAY APPROACH PER CITY OF MCFARLAND STD. NO. C-7, SEE DETAIL 6/C-504. DETECTABLE WARNING SURFACE PER STD. NO. C-5, SEE DETAIL 5/C-504.
  - P22 CONCRETE RAMP PER DETAIL 14/C-500.
  - P23 12" CURB OPENING PER DETAIL 16/C-500.
  - P24 LIGHT POLE PER ELECTRICAL PLAN.
  - P25 CONCRETE RAMP PER DETAIL 4/C-501.
  - P26 EV PARKING STRIPING STALL PER DETAIL 17/C-500. CURB SHALL BE PAINT GREEN.
  - P27 CONCRETE PAVEMENT PER DETAIL 2/C-500.
  - P28 LOW SEAT WALL PER LANDSCAPE PLANS.
  - P29 STABILIZED DECOMPOSED GRANITE PER LANDSCAPE PLANS.
  - P30 MONUMENTATION WALL PER LANDSCAPE PLANS.
  - P31 BENCH PER LANDSCAPE PLANS.
  - P32 BOLLARDS PER LANDSCAPE PLANS.
  - P33 FLAG POLE PER LANDSCAPE PLANS.
  - P34 BICYCLE RACK PER LANDSCAPE PLANS.

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

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APPROVED BY            AMc

CHECKED BY            AK

DATE            10/29/2025

TITLE

PAVING PLAN

PROJECT NO.            50184767

C-140

SHEET NO.

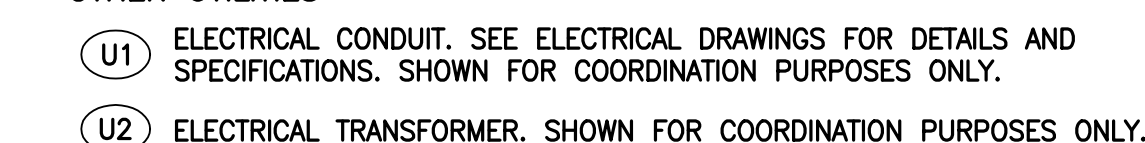
PLAN

SCALE: 1" = 20'-0"

0 10' 20' 40'

GRAPHIC SCALE





SHEET NO.



GENERAL NOTES:

- FD SITE INSPECTIONS ARE REQUIRED FOR THIS PROJECT. PLEASE SCHEDULE ALL FIELD INSPECTIONS AT LEAST 48 HOURS IN ADVANCE. CALL THE FIRE PREVENTION OFFICE FOR INSPECTION SCHEDULING.
- A LUMBER DROP INSPECTION SHALL BE PERFORMED PRIOR TO DELIVERY TO THE SITE. ALL-WEATHER ACCESS ROADS CAPABLE OF SUPPORTING 68,000 LBS., TOPPED WITH ASPHALT, CONCRETE, OR EQUIVALENT SHALL BE IN PLACE AND HYDRANTS OPERATIONAL AT TIME OF LUMBER DROP INSPECTION.
- ACCESS ROADS AND HYDRANTS SHALL BE MAINTAINED AND REMAIN CLEAR OF OBSTRUCTIONS AT ALL TIMES.
- AREAS WHERE PARKING IS NOT PERMITTED SHALL BE CLEARLY IDENTIFIED.
- THE PROJECT ADDRESS SHALL BE CLEARLY POSTED AND VISIBLE FROM THE PUBLIC ROAD DURING.
- ALL GATES WHICH ARE REQUIRED FOR FIRE DEPARTMENT ACCESS SHALL BE EQUIPPED WITH EITHER A KNOX OR FIRE DEPARTMENT PADLOCK.
- FIRE LANE WIDTHS SHALL BE MEASURED FROM TOP FACE OF THE CURB TO TOP FACE OF THE CURB FOR FIRE LANES WITH STANDARD CURBS AND GUTTERS AND FROM FLOWLINE TO FLOWLINE FOR FIRE LANES WITH MODIFIED CURB DESIGNS (E.G., ROLLED, RAMPED, ETC.). THE DEVELOPER IS RESPONSIBLE TO VERIFY THAT ALL APPROVED PUBLIC WORKS OR GRADING DEPARTMENT STREET IMPROVEMENT PLANS OR PRECISE GRADING PLANS CONFORM TO THE MINIMUM STREET WIDTH MEASUREMENTS PER THE APPROVED OFD FIRE MASTER PLAN.
- PERMANENT, TEMPORARY, AND PHASED EMERGENCY ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT AN IMPOSED LOAD OF 68,000 LBS. AND SURFACED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES.
- ADDITIONAL FIRE LANE MARKINGS MAY BE REQUIRED AT THE TIME OF INSPECTION DEPENDING ON FIELD CONDITIONS.
- ADDRESS NUMBERS SHALL BE LOCATED AND BE OF A COLOR AND SIZED TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE ROADWAY.
- ACCESS GATES SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL FOLLOW CHAPTER 5 OF THE CFC.
- APPROVED ACCESS WALKWAYS SHALL BE PROVIDED TO ALL REQUIRED OPENINGS AND ALL RESCUE WINDOWS.
- VEGETATION SHALL BE SELECTED AND MAINTAINED IN SUCH A MANNER AS TO ALLOW IMMEDIATE ACCESS TO ALL HYDRANTS, VALVES, FIRE DEPARTMENT CONNECTIONS, PULL STATIONS, EXTINGUISHERS, SPRINKLER RISERS, ALARM CONTROL PANELS, RESCUE WINDOWS, AND OTHER DEVICES OR AREAS USED FOR FIREFIGHTING PURPOSES. VEGETATION OR BUILDING FEATURES SHALL NOT OBSTRUCT ADDRESS NUMBERS OR INHIBIT THE FUNCTIONING OF ALARM BELLS, HORNS, OR STROBES.
- DUMPSTERS AND TRASH CONTAINERS LARGER THAN 1.5 CUBIC YARDS SHALL NOT BE STORED IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM.
- ANY FUTURE MODIFICATION TO THE APPROVED FIRE PLAN OR APPROVED SITE PLAN, INCLUDING BUT NOT LIMITED TO ROAD WIDTH, GRADE, SPEED HUMPS, TURNING RADI, GATES, OR OTHER OBSTRUCTIONS, SHALL REQUIRE REVIEW, INSPECTION, AND APPROVAL BY THE FD.
- APPROVAL OF THIS PLAN SHALL NOT BE CONSTRUED AS APPROVAL OF ANY INFORMATION OR PROJECT CONDITIONS OTHER THAN THOSE ITEMS AND REQUIREMENTS IDENTIFIED IN RELATED PORTIONS OF THE 2019 CFC AND CBC AND MCFARLAND MUNICIPAL CODE. THIS PROJECT MAY BE SUBJECT TO ADDITIONAL REQUIREMENTS NOT STATED HEREIN UPON EXAMINATION OF ACTUAL SITE AND PROJECT CONDITIONS OR DISCLOSURE OF ADDITIONAL INFORMATION.
- AN UNDERGROUND PIPING PLAN IS REQUIRED FOR THE INSTALLATION OF AN AUTOMATIC FIRE SPRINKLER SYSTEM OR FOR A PRIVATE FIRE HYDRANT SYSTEM. A SEPARATE PLAN SUBMITTAL IS REQUIRED.
- A CHEMICAL CLASSIFICATION AND HAZARDOUS MATERIALS COMPLIANCE PLAN SHALL BE APPROVED BY THE OFD PRIOR TO ANY HAZARDOUS MATERIALS BEING STORED OR USED ON SITE. A SEPARATE PLAN SUBMITTAL IS REQUIRED.
- AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES, AMENDMENTS, AND GUIDELINES. SPRINKLER SYSTEMS SHALL BE MONITORED BY AN APPROVED CENTRAL STATION. SEPARATE PLAN SUBMITTALS FOR THE SPRINKLER AND MONITORING SYSTEMS ARE REQUIRED.
- DESIGN OF AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE BASED ON A CURRENT FLOW TEST (WITHIN 12 MONTHS OF THE SUBMITTED DESIGN) WHICH HAS BEEN CONDUCT PER NFPA 13 REQUIREMENTS AND WITNESSED BY A FIRE DEPARTMENT REPRESENTATIVE.
- A FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES, AMENDMENTS, AND GUIDELINES. A SEPARATE PLAN SUBMITTAL IS REQUIRED.

LEGEND:

- PROPERTY LINE
- 20' WIDE FIRE ACCESS ROADWAY
- FIRE HOSE LAY
- EXISTING FIRE HYDRANT (PUBLIC)
- PROPOSED FIRE HYDRANT (PUBLIC)
- PROPOSED FIRE LANE NO PARKING SIGN
- PROPOSED FIRE DEPARTMENT CONNECTION (FDC)
- PROPOSED POSTINDICATOR VALVE (PIV)
- PROPOSED LANDSCAPE AREA
- PROPOSED BACKFLOW DEVICE



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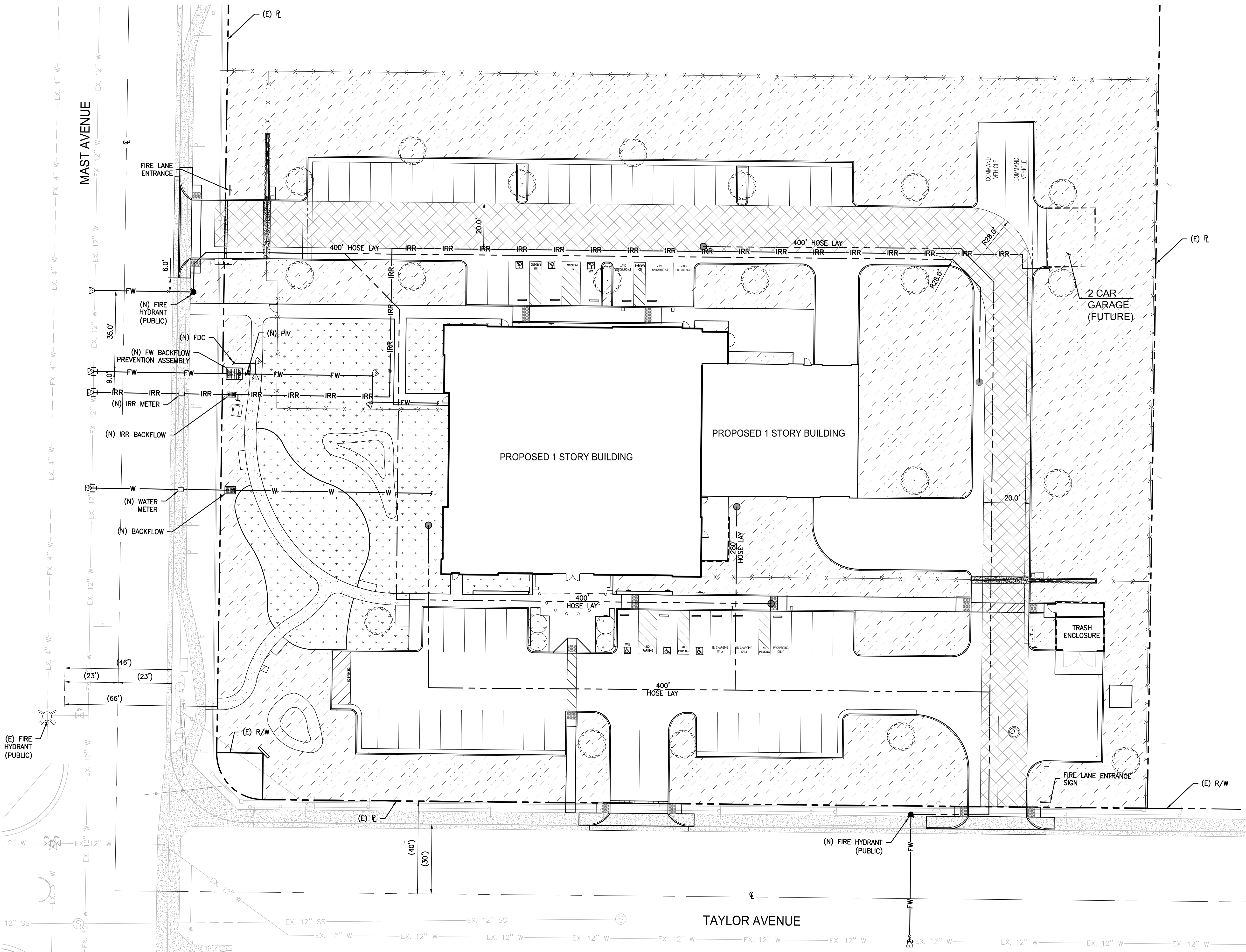


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402 Mast Avenue  
McFarland, CA 93250

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Hydrant Flow Test Report

Test Date 3/12/2025 Test Time 1:45pm

Location

CITY OF MCFARLAND  
799 MAST AVE.  
MCFARLAND, CA 93250

Tested by

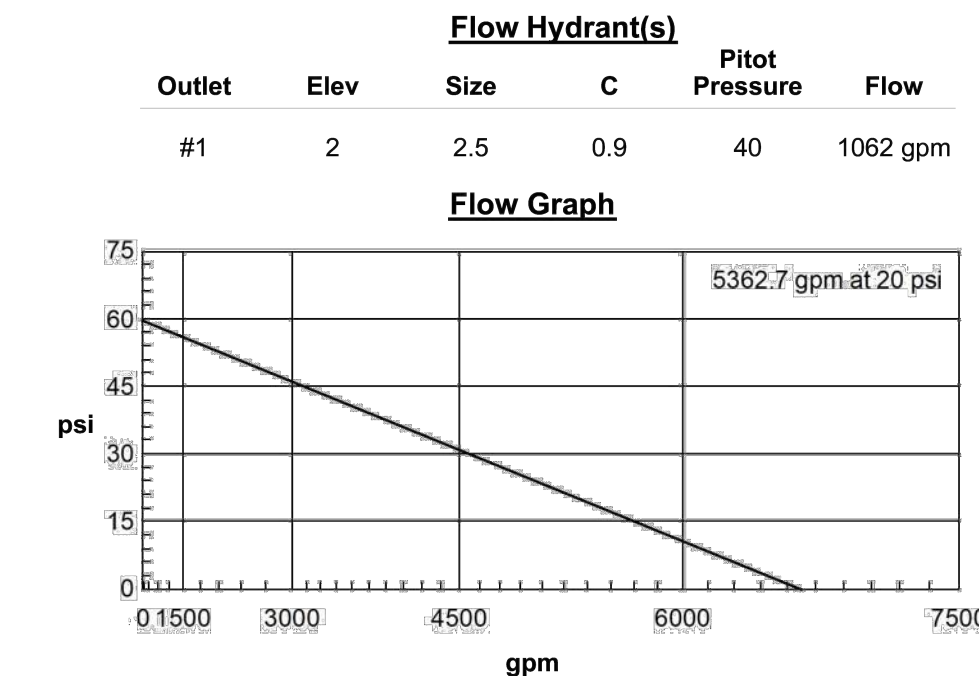
JAKE BUSTOS &  
CHRIS PURSELL  
CONTROL FIRE PROTECTION, INC.  
1347 OGDEN ST.  
BAKERSFIELD, CA. 93305

Notes

HYDRANT A: FLOW  
HYDRANT B: STATIC/ RESIDUAL

Read Hydrant

60 psi static pressure  
58 psi residual pressure  
2 ft hydrant elevation

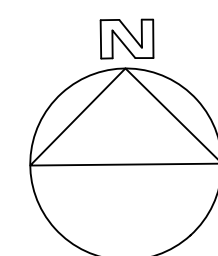


Created with the free hydrant flow test program from www.ignisnatic.com

1 FLOW TEST

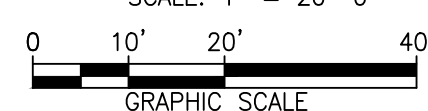
N.T.S.

FD APPROVAL:

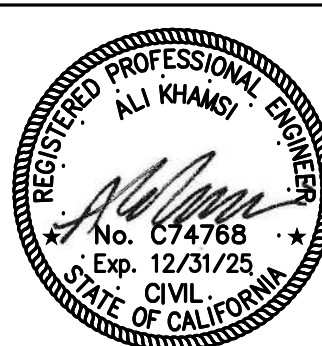


PLAN

SCALE: 1" = 20'-0"



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY TN  
APPROVED BY AMc  
CHECKED BY AK  
DATE 10/29/2025

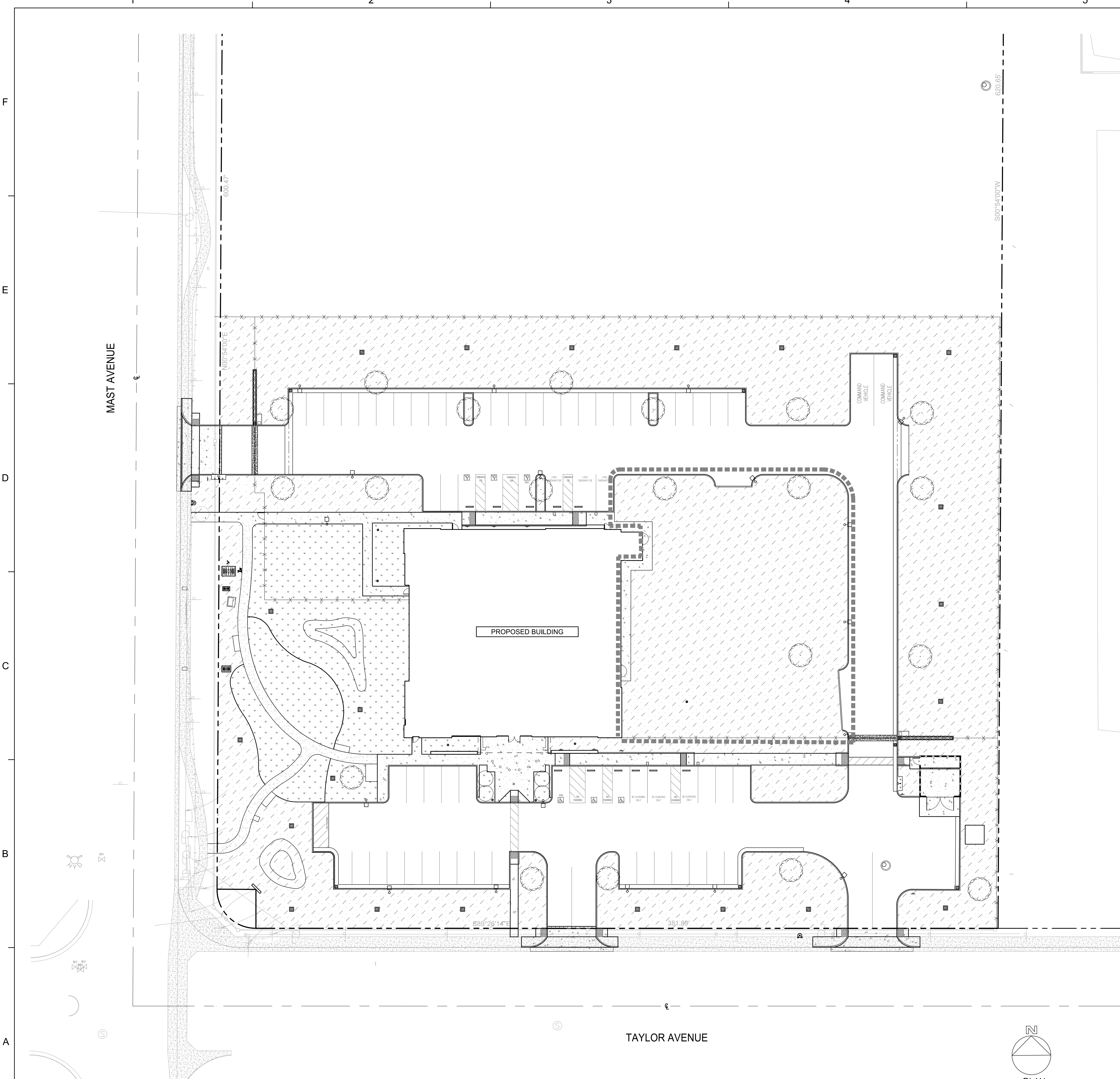
TITLE  
FIRE PLAN  
FIRE TRUCK ACCESS,  
HOSE PULL AND  
HYDRANT LOCATION  
PLAN

PROJECT NO. 50184767

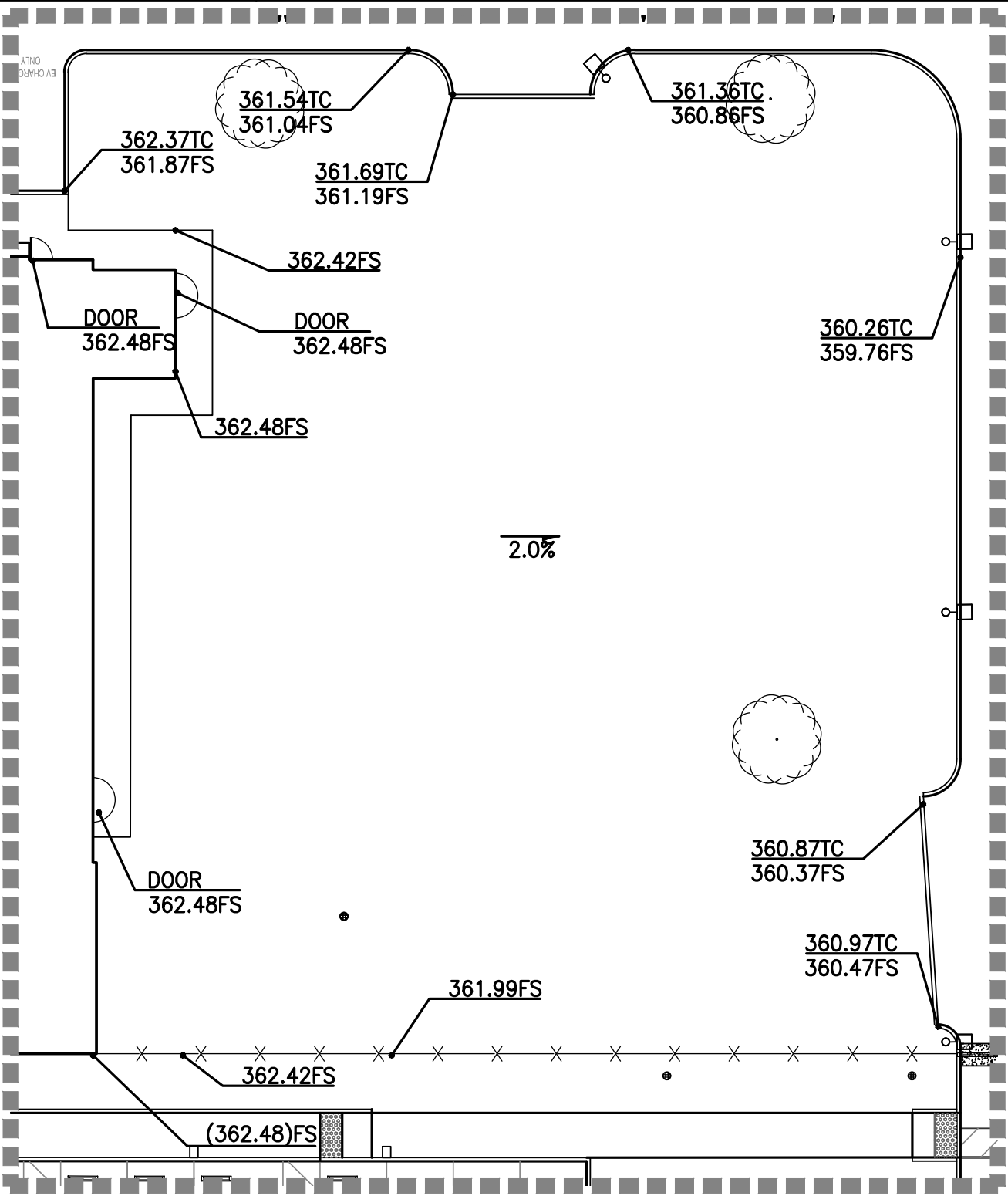
C-151

SHEET NO.

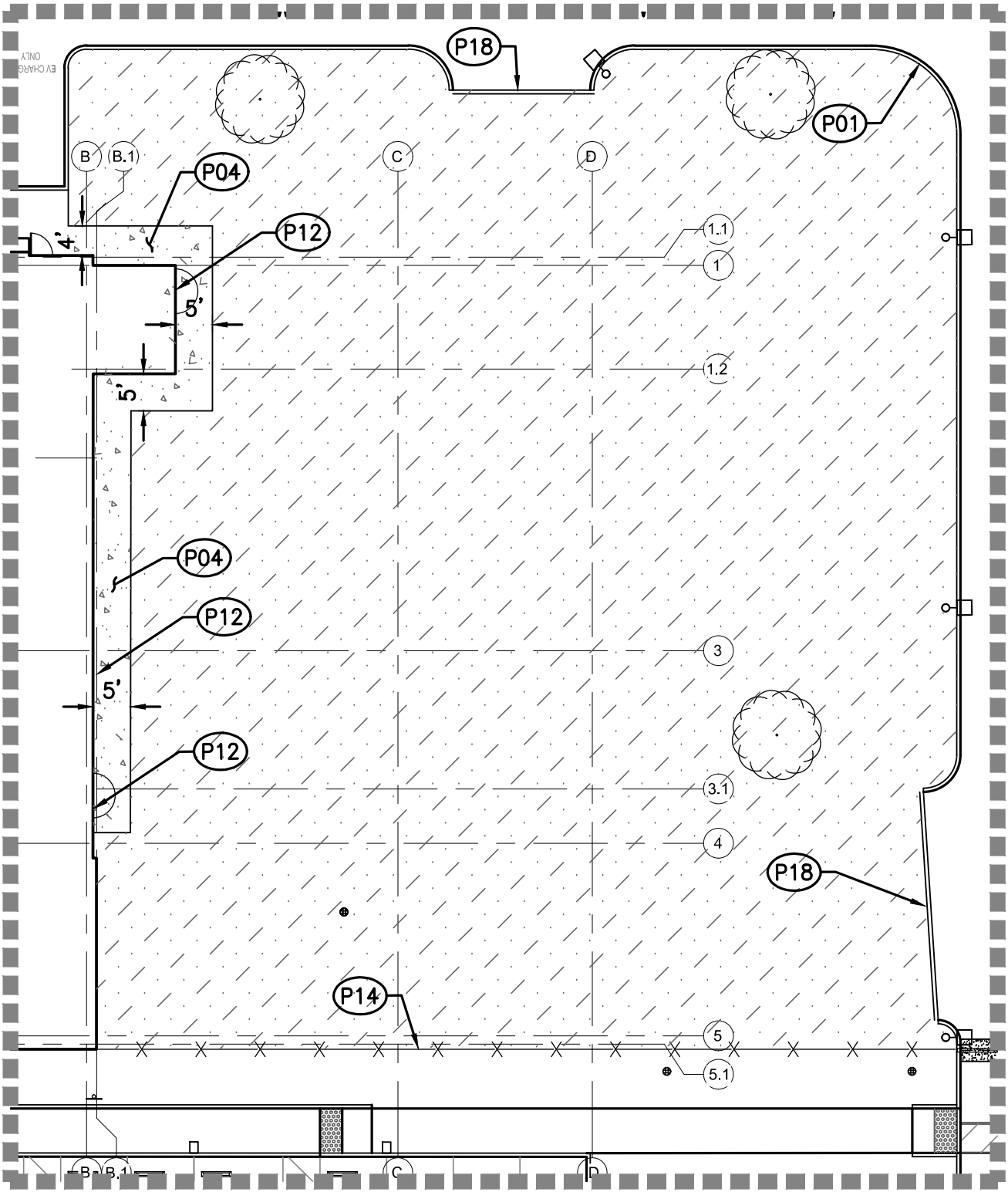




PROJECT SCOPE PLAN - ALTERNATE BID

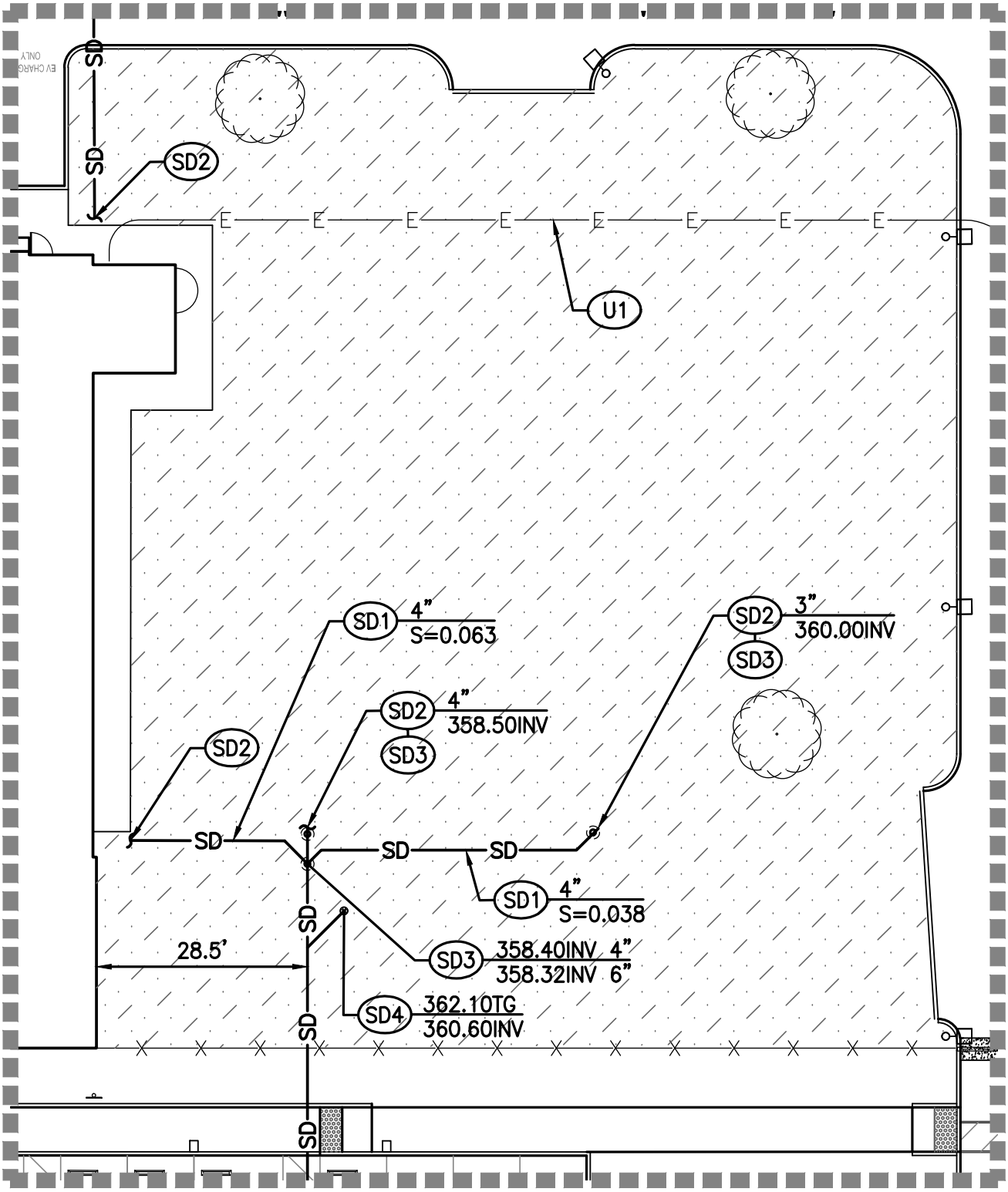


GRADING PLAN  
ALTERNATE BID



PAVING PLAN  
ALTERNATE BID

\*CONSTRUCTION NOTES PER SHEET C-140



UTILITY PLAN  
ALTERNATE BID

\*CONSTRUCTION NOTES PER SHEET C-150



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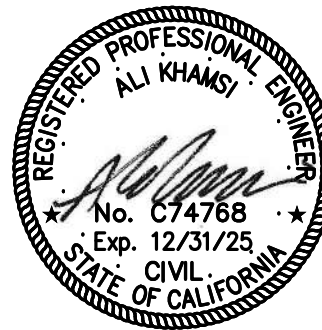
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KEY PLAN

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DATE: 10/29/2025

TITLE

ALTERNATE  
BID

PROJECT NO. 50184767

C-160

SHEET NO.







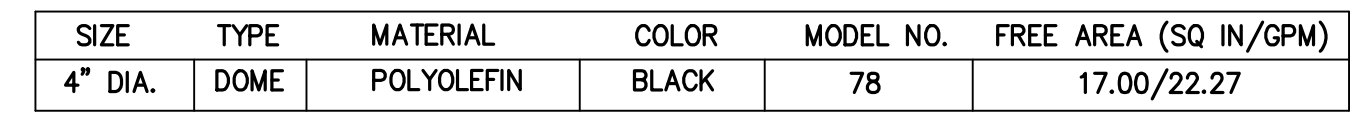


1. CONTRACTOR SHALL INSTALL TRUNCATED DOMES PER MANUFACTURER'S INSTALLATION GUIDELINES AND SPECIFICATIONS.
2. TRUNCATED DOMES SHALL BE OF A DURABLE, SLIP-RESISTANT MATERIAL AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
3. DETECTABLE WARNINGS AT CURB RAMPS SHALL EXCEED 36" (914MM) IN THE DIRECTION OF TRAVEL. DETECTABLE WARNINGS SHALL FURNISH THE FULL WIDTH OF THE RAMP RUN EXCLUDING ANY FLARED SIDES. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6" (152MM) MINIMUM AND 6" (203MM) MAXIMUM FROM THE LINE AT THE FACE OF CURB MARKING THE TRANSITION FROM THE CURB AND THE GUTTER, STREET OR HIGHWAY.

EXCEPTION: ON PARALLEL CURB RAMPS, DETECTABLE WARNINGS SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK.



- ① TRAFFIC GALVANIZED FRAME,  
AND GRATE, SIZE PER PLAN.
- ② PORTLAND CEMENT CONCRETE  
(f'c=4000psi).
- ③ ELEVATION LAYER PER PLAN.
- ④ TOP OF GRATE. SEE PLAN FOR  
ELEVATION.
- ⑤ OUTLET PIPE. SIZE PER PLAN.
- ⑥ INLET PIPE, WHERE OCCURS.  
SIZE PER PLAN.
- ⑦ FLOOR OF BASING SHALL BE  
GIVEN A STEEL-TROWELED  
FINISH AND SHALL SLOPE TO  
DRAIN IN ALL DIRECTIONS.
- ⑧ FINISH SURFACE PER PLAN.
- ⑨ FINISH GRADE PER PLAN.
- ⑩ CATCH BASIN WALLS AND FLOOR  
TO BE REINFORCED WITH #4  
REBAR.



FINISH: "Z"-CAST IRON  
"HD-ZN" NICKEL BRONZE  
CONCRETE: SSPWC 560-C-3250



\* PIPE SIZES LARGER THAN 16" TO 30"; X=6"+D/8 MIN. TO 18" MAX.

**PIPE** FOR GRAVITY FLOW SANITARY SEWER AND STORM DRAINAGE PVC PIPE CONFORMING TO ASTM D3034 SDR 35, FOR 4" TO 15" DIA. AND ASTM F679 FOR 18" DIA. AND LARGER. JOINTS SHALL BE GASKETED JOINTS.

FOR PRESSURE FLOW PVC PIPE CONFORMING TO AWWA C900 FOR 4" TO 12" DIA. AND AWWA C905 FOR 14" AND LARGER DIA.

FOR GRAVITY FLOW STORM DRAINAGE HDPE PIPE WITH CORRUGATED EXTERIOR, WITH BELL AND SPIGOT JOINTS (TYPE S) CONFORMING TO AASHTO M252 FOR 4" TO 10" DIA. PAND AASHTO M294 OR ASTM F2306 FOR 12" TO 60" DIA. GASKETED JOINTS SHALL CONFORM TO ASTM F477.

CRUSHED ROCK. SHALL CONFORM TO SUBSECTIONS 217-1.2 AND TABLE 200-1.2.1(A) OF THE

SEDIMENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION WITH 1/2" MAXIMUM ROCK GRADATION.

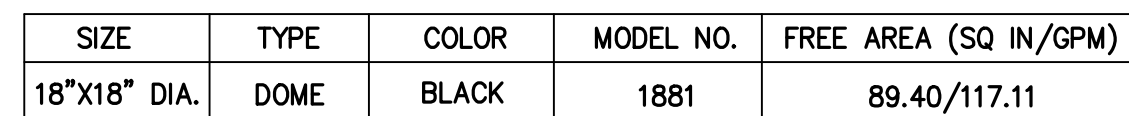
BEDDING FOR FITTINGS SHALL BE SSPWC CLASS 560-C-3250 CONCRETE CONFORMING TO SSPWC 201-1.3.3.

NATIVE MATERIAL - SSPWC SECTION 217-2.

**CORRECTION:** NATIVE MATERIAL - 90% COMPACTION MIN. UP TO CLASS IV SOILS, TYPE ML, CL, FINE GRAINED, LL<50, MEDIUM TO NO PLASTICITY, NOTE, IF CLASS IV SOIL, TYPE MH OR ALL CLASS V SOILS THEN REPLACE WITH CLEAN SAND. SUBGRADE AND AGGREGATE BASE SECTION COMPACTIONS ABOVE THE UTILITY TRENCH SHALL MATCH THE MINIMUM COMPACTIONS FOR PAVEMENT SECTION ABOVE THE UTILITY TRENCH, WHERE APPLICABLE.

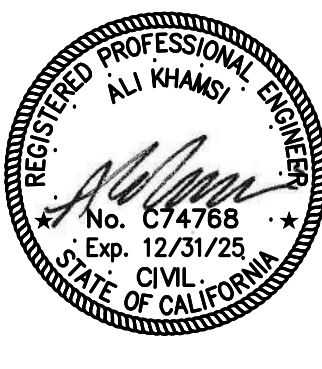
NOTES:

1. EXCAVATE FOR BELLS OR HUBS SO FULL LOAD IS CARRIED BY PIPE BARRELS.
2. BEDDING MATERIAL SHALL BE PLACED IN A MANNER SUCH AS SLICING, SHOVEL-SPADING, OR SHOVEL RODDING TO ENSURE COMPLETE FILLING OF THE "HAUNCH AREAS" BELOW THE PIPE. (NOTE: FILLING OF BEDDING MATERIAL IS NOT AUTHORIZED UNLESS PREVIOUSLY APPROVED). SUITABLE COMPACTION TYPICALLY ACHIEVED BY DUMPED PLACEMENT (THAT IS, UNCOMPACTED BUT WORKED INTO THE HAUNCH ZONE TO ASSURE COMPLETE PLACEMENT).
3. FINAL BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 306-12 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), LATEST EDITION WITH THE FOLLOWING EXCEPTIONS:
  - (1) JETTED TRENCH BACKFILL SHALL NOT BE USED.
  - (2) MINIMUM COMPACTION OF FINAL BACKFILL SHALL BE 90% RELATIVE COMPACTION.
4. TRENCH EXCAVATION, SHORING AND BRACING, DEWATERING, AND BEDDING IN ACCORDANCE WITH SECTIONS 306-3, 306-4, 306-5, AND 306-6 OF SSPWC RESPECTIVELY.





SEAL



KEY PLAN

SCALE

NO.	DESCRIPTION	DATE

DRAWN BY           TN            
APPROVED BY           AMC            
CHECKED BY           AK            
DATE           10/29/2025            
TITLE

DETAILS

PROJECT NO. 50184767

C-502

SHEET NO.

**IRRIGATION CROSSOVER (NO CENTER MEDIAN)**

**IRRIGATION CROSSOVER (WITH CENTER MEDIAN)**

**IRRIGATION SLEEVE CHART**

P.V.C. PIPE SIZE	UNDER 18"	OVER 18" UNDER 18"	OVER 28"
1/2"	1"	1-1/4"	1-1/2"
3/4"	1-1/4"	1-1/2"	2"
1"	1-1/2"	2"	2"
1-1/4"	2"	2-1/2"	2-1/2"
1-1/2"	2-1/2"	2-1/2"	3"
2"	3"	3"	3"
2-1/2"	3"	3"	4"
3"	4"	5"	5"
3-1/2"	5"	5"	6"
4"	5"	6"	6"
5"	6"	8"	8"
6"	8"	8"	8"

**STANDARD DETAILS FOR IRRIGATION SLEEVE(S)**

COUNTY OF KERN  
STATE OF CALIFORNIA  
DEVELOPMENT STANDARD

PLATE NO. L-4

**DETAIL "A" (A.C. PAVEMENT)**

**DETAIL "B" (P.C. PAVEMENT)**

**BEDDING AND BACKFILL DETAILS FOR WATER PIPE W-2**

COUNTY OF KERN  
STATE OF CALIFORNIA  
DEVELOPMENT STANDARD

PLATE NO. L-5

**STANDARD FIRE HYDRANT ASSEMBLY - WATER MAIN IN STREET W-5A**

COUNTY OF KERN  
STATE OF CALIFORNIA  
DEVELOPMENT STANDARD

PLATE NO. L-6

**VALVE BOX ASSEMBLY - VALVES LOCATED IN STREET W-7B**

COUNTY OF KERN  
STATE OF CALIFORNIA  
DEVELOPMENT STANDARD

PLATE NO. L-7

**IRRIGATION SLEEVE(S)**

**MAIN LINE**

**LATERAL LINE**

**STANDARD DETAILS FOR PIPING, TRENCHING, AND BACKFILL**

COUNTY OF KERN  
STATE OF CALIFORNIA  
DEVELOPMENT STANDARD

PLATE NO. L-2

**DOUBLE CHECK OR REDUCED PRESSURE BACKFLOW PREVENTER (GREATER THAN 2.0" DIA.)**

**BACKFLOW PREVENTER (2.0" AND LESS)**

**STANDARD DETAIL FOR POTABLE WATER PROTECTION**

COUNTY OF KERN  
STATE OF CALIFORNIA  
DEVELOPMENT STANDARD

PLATE NO. L-5

**1", 1-1/2" & 2" WATER SERVICE TYPICAL LONG SERVICE W-3A**

COUNTY OF KERN  
STATE OF CALIFORNIA  
DEVELOPMENT STANDARD

PLATE NO. L-6

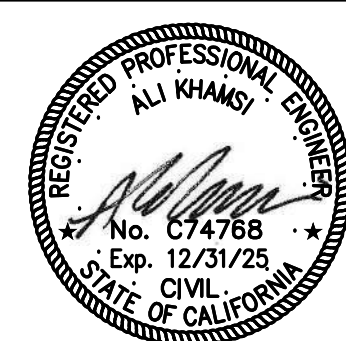
**VALVE BOX ASSEMBLY - VALVES LOCATED BEHIND SIDEWALK W-7A**

COUNTY OF KERN  
STATE OF CALIFORNIA  
DEVELOPMENT STANDARD

PLATE NO. L-7



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY TN  
APPROVED BY AMc  
CHECKED BY AK  
DATE 10/29/2025

TITLE

DETAILS

PROJECT NO. 50184767

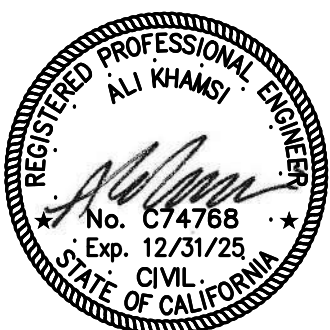
C-503

SHEET NO.

<p><b>8 SEWER LATERAL</b></p> <p><b>TYPICAL SEWER LATERAL</b></p> <p><b>S-2</b></p>	<p><b>6 FIRE SERVICE INSTALLATION</b></p> <p><b>NEW FIRE SERVICE INSTALLATION</b></p> <p><b>W-19</b></p>	<p><b>4 HOT TAPPING WATER MAIN</b></p> <p><b>HOT TAPPING WATER MAIN</b></p> <p><b>W-16B</b></p>	<p><b>2 THRUST BLOCK</b></p> <p><b>TYPICAL THRUST BLOCK DETAILS</b></p> <p><b>W-9B</b></p>
<p><b>7 SEWER PIPE BEDDING AND BACKFILL</b></p> <p><b>SEWER PIPE BEDDING AND BACKFILL DETAILS</b></p> <p><b>S-1</b></p>	<p><b>5 3"-8" WATER SERVICE WITH BACKFLOW PREVENTER</b></p> <p><b>3"-8" WATER SERVICE INSTALLATION WITH BACKFLOW PREVENTER</b></p> <p><b>W-18</b></p>	<p><b>3 HOT TAPPING WATER MAIN</b></p> <p><b>HOT TAPPING WATER MAIN</b></p> <p><b>W-16A</b></p>	<p><b>1 THRUST BLOCK</b></p> <p><b>TYPICAL THRUST BLOCK DETAILS</b></p> <p><b>W-9A</b></p>



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY           TN            
APPROVED BY           AMc            
CHECKED BY           AK            
DATE           10/29/2025            
TITLE

DETAILS

PROJECT NO. 501847

C-504

SHEET NO.

<div><p><b>NOTES:</b></p><ol style="list-style-type: none"><li>MUST REMOVE ENTIRE CURB &amp; GUTTER WHEN RECONSTRUCTION IS REQUIRED.</li><li>NOT MORE THAN 60% OF LOT FRONTAGE MEASURED AT STREET SIDE (TOP OF CURB BETWEEN LOT LINES EXTENDED) MAY BE USED FOR DRIVEWAY OPENINGS.</li><li>ALL CONCRETE FOR DRIVE APPROACH SHALL BE 4,000 P.S.I. CONCRETE AT 28 DAYS, CONTAINING NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.</li><li>DEEP JOINT REQUIRED IN CENTER OF DRIVE APPROACH. BROOM SWEEP FINISH ON DRIVEWAY APPROACH.</li><li>DETECTABLE WARNING SURFACE SHALL BE INSTALLED ON EACH SIDE OF COMMERCIAL AND INDUSTRIAL DRIVE APPROACHES.</li><li>DRIVE APPROACH SHALL BE PLACED ON A MINIMUM OF 6 INCHES OF MOIST SAND BASE MATERIALS. 95% MINIMUM RELATIVE COMPACTION.</li><li>FOR COMMERCIAL AND INDUSTRIAL DRIVE APPROACHES THE MINIMUM WIDTH SHALL BE 21 FEET FOR ONE-WAY DRIVE APPROACHES AND 25 FEET FOR TWO-WAY DRIVE APPROACHES, OR AS APPROVED BY THE CITY ENGINEER.</li><li>REBAR IS REQUIRED FOR COMMERCIAL AND INDUSTRIAL DRIVE APPROACHES.</li><li>REBAR SHALL BE DEFORMED STEEL BARS AND SHALL BE GRADE 40 MINIMUM. REBAR SHALL BE FREE OF RUST OR DIRT AND SHALL BE THOROUGHLY CLEANED BEFORE PLACEMENT.</li><li>REBAR SHALL HAVE A MINIMUM OF 2 INCHES OF CLEAR COVERAGE.</li></ol><p>SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166</p><p>06/25/24 Signing Engineer Date</p><p> DRIVE APPROACH— COMMERCIAL/INDUSTRIAL</p><p>STANDARD No. C-7</p></div>	<div><p><b>NOTES:</b></p><ol style="list-style-type: none"><li>ALL CONCRETE SHALL CONTAIN NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE, 5 INCH MAXIMUM SLUMP, 2,500 P.S.I. AT 28 DAYS.</li><li>REBAR SHALL BE USED AT THE DISCRETION OF THE CITY ENGINEER.</li><li>ALL CURBING SHALL HAVE A LIGHT BROOM FINISH.</li><li>ALL CURBING SHALL BE PLACED ON A MINIMUM OF 6 INCHES OF MOIST SAND BASE MATERIALS. 95% MINIMUM RELATIVE COMPACTION.</li></ol><p>SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166</p><p>06/25/24 Signing Engineer Date</p><p> STANDARD CURBING</p><p>STANDARD No. C-2</p></div>	<div><p><b>NOTES:</b></p><ol style="list-style-type: none"><li>ALL CONCRETE SHALL BE 500 LBS. 1 INCH AGGREGATE, 5 INCHES MAX SLUMP, 4,000 P.S.I. AT 28 DAYS.</li><li>MANHOLE PIPE, CONE AND GRADE RINGS SHALL BE PRECAST REINFORCED CONCRETE AS PER ASTM C478.</li><li>JOINTS SHALL BE RUBBER GASKET AS PER ASTM C443 OR JOINTS SHALL BE CONSTRUCTED WITH MASTIC (VENT SEAL NO. 2 OR EQUAL) AS PER ASTM C990 AT CONTRACTOR'S OPTION. MASTIC SHALL COVER A MINIMUM OF ONE-HALF THE COMPRESSED SURFACE. ALL JOINTS SHALL BE WATER TIGHT.</li><li>MAXIMUM DISTANCE BETWEEN MANHOLES SHALL BE 500 FEET OR AS REQUIRED BY THE CITY ENGINEER.</li><li>MORTAR BAND ALL THE WAY AROUND EXTERIOR AND INTERIOR OF ALL MANHOLE JOINTS. SEE DETAILS 1 AND 2.</li><li>48 INCHES MANHOLES ARE REQUIRED FOR STORM DRAIN PIPE SIZES FROM 12 INCHES TO 24 INCHES OR AS REQUIRED BY THE CITY ENGINEER.</li><li>60 INCHES MANHOLES ARE REQUIRED FOR STORM DRAIN PIPE SIZES FROM 27 INCHES TO 36 INCHES OR AS REQUIRED BY THE CITY ENGINEER.</li><li>EXFILTRATION TEST REQUIRED AS PER ASTM D969-02, AS IMPLEMENTED BY CITY OF MCFARLAND.</li></ol><p>SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166</p><p>06/25/24 Signing Engineer Date</p><p> CAST-IN-PLACE OUTLET STRUCTURE</p><p>STANDARD No. D-5</p></div>
<div><p><b>NOTES:</b></p><ol style="list-style-type: none"><li>DETECTABLE WARNING SURFACE SHALL BE INSTALLED AT THE BOTTOM OF ALL CURB RAMPS.</li><li>DETECTABLE WARNING SHALL BE INSTALLED SO THAT IT BUTTS UP FLUSH AGAINST THE BACK OF ADJACENT CURB. WHERE CURBS ARE ON A CURVE, THE BACK OF CURB SHALL BE STRAIGHTENED AT THE DETECTABLE WARNING LOCATION SO THE WARNING BUTTS UP FLUSH AGAINST THE BACK OF CURB.</li><li>DETECTABLE WARNING SURFACE SHALL BE THE FULL WIDTH OF RAMP (LESS 2 INCHES) AND SHALL BE A MINIMUM OF 36 INCHES IN DEPTH.</li><li>DETECTABLE WARNING SURFACE SHALL BE PREMIXED FEDERAL YELLOW COLORED AND SHALL BE OF AN AUTHORIZED MATERIAL BY THE CITY OF MCFARLAND.</li><li>IN RETROFIT TYPE SITUATIONS ON EXISTING SURFACES THE CITY WILL ALLOW RETROFIT TYPE WARNING PANELS. RETROFIT WARNING PANEL MATERIALS MUST BE SUBMITTED TO THE CITY ENGINEER FOR ACCEPTANCE PRIOR TO CONSTRUCTION. PANELS SHALL BE GLUED AND BOLTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. BOTTOM OF PANELS SHALL BE FLUSH AGAINST THE ADJACENT CONCRETE SURFACE.</li></ol><p>SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166</p><p>06/25/24 Signing Engineer Date</p><p> DETECTABLE WARNING SURFACE</p><p>STANDARD No. C-5</p></div>	<div><p><b>NOTES:</b></p><ol style="list-style-type: none"><li>16-18 INCH GUTTER PAN TO BE INSTALLED WHERE SIMILAR EXIST OR AS DIRECTED BY THE CITY ENGINEER.</li><li>THE MAXIMUM SPACING FOR EXPANSION JOINTS FOR CURB &amp; GUTTER IS 40 FEET.</li><li>WEAKENED PLANE JOINTS SHALL BE PLACED AT A SPACING OF 10 FEET, FOR CURB &amp; GUTTER.</li><li>ALL CONCRETE USED IN CURB &amp; GUTTER SHALL BE 2,500 P.S.I. CONCRETE AT 28 DAYS, CONTAINING NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.</li><li>ALL CURB &amp; GUTTER SHALL HAVE A LIGHT BROOM FINISH.</li><li>GUTTER FLOW SLOPE = 0.2% MINIMUM.</li><li>BARRIER TYPE CURB &amp; GUTTER ON THE CURVE OF CUL-DE-SACS AND STREET BULBS SHALL HAVE A MINIMUM GRADIENT OF 0.35 FEET PER 100 FEET OR AS APPROVED BY THE CITY ENGINEER.</li><li>STAMP CURB FACE AT SEWER &amp; WATER LATERAL HOUSE BRANCH LOCATIONS PER CITY SPECIFICATIONS.</li><li>WHERE ADA ACCESSIBLE PATH CROSSES GUTTER PAN, SLOPE IN DIRECTION OF TRAVEL SHALL BE 4% MAXIMUM.</li><li>ALL CURB &amp; GUTTER SHALL BE PLACED ON A MINIMUM OF 6 INCHES OF MOIST SAND BASE MATERIALS. 95% MINIMUM RELATIVE COMPACTION.</li></ol><p>SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166</p><p>06/25/24 Signing Engineer Date</p><p> CURB &amp; GUTTER/CURB SAWCUT</p><p>STANDARD No. C-1</p></div>	<div><p><b>NOTES:</b></p><ol style="list-style-type: none"><li>PIPE ENDS SHALL BE CUT AND MORTARED FLUSH WITH INSIDE WALL OF MANHOLE.</li><li>INSTALL MORTAR RING AT OUTSIDE BASE OF MANHOLE.</li><li>APPROVED WATER TIGHT JOINT SEALANT.</li><li>CITY APPROVED POLYPROPYLENE COVERED MANHOLE STEPS, LANE INTERNATIONAL P-14938 OR EQUAL TYP.</li><li>SEE MANHOLE FRAME AND COVER STANDARD DRAWING S-9A.</li><li>GRADE RINGS, 6" MIN. 18" MAX.</li><li>REBAR MAY BE REQUIRED BY CITY ENGINEER.</li><li>12" MIN. COMPACTED SUBGRADE, 95% RELATIVE COMPACTION.</li></ol><p>SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166</p><p>06/25/24 Signing Engineer Date</p><p> STORM DRAIN MANHOLE</p><p>STANDARD No. D-1</p></div>
6   DRIVEWAY APPROACH	4   STANDARD CURBING	2   CAST IN PLACE OUTLET STRUCTURE
5   DETECTABLE WARNING SURFACE	3   CURB & GUTTER/CURB SAWCUT	1   STORM DRAIN MANHOLE



# CITY OF MCFARLAND POLICE DEPARTMENT

402 MAST AVENUE  
McFARLAND, CA 93250  
APN 201-070-64

## LANDSCAPE DEVELOPMENT PLANS

### VICINITY MAP



### SHEET INDEX

SHEET	TITLE	REVISION	DATE
L.0.000	TITLE SHEET		
CONSTRUCTION			
L2.001	CONSTRUCTION NOTES & LEGENDS		
L2.101	CONSTRUCTION PLAN		
L2.401	CONSTRUCTION DETAILS		
L2.402	CONSTRUCTION DETAILS		
L2.403	CONSTRUCTION DETAILS		
L2.404	CONSTRUCTION DETAILS		
IRRIGATION			
L3.000	IRRIGATION LEGEND & NOTES		
L3.001	IRRIGATION CALCULATIONS		
L3.002	IRRIGATION SPECIFICATIONS		
L3.101	IRRIGATION PLAN		
L3.401	IRRIGATION DETAILS		
L3.402	IRRIGATION DETAILS		
L3.403	IRRIGATION DETAILS		
L3.404	IRRIGATION DETAILS		
PLANTING			
L4.001	PLANTING NOTES & LEGEND		
L4.101	PLANTING PLAN -TREES-		
L4.102	PLANTING PLAN -SHRUBS-		
L4.401	PLANTING DETAILS		

### ADDITIONAL NOTES

### GENERAL NOTES

- CONTRACTOR SHALL VERIFY WITH OWNER'S REPRESENTATIVE THAT PLANS ARE CURRENT AND APPROVED.
- WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF MCFARLAND. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY AND/OR REQUIRED PERMITS AND PAY ALL RELATED FEES AND/OR TAXES REQUIRED TO INSTALL THE WORK ON THESE PLANS.
- THE CONTRACTOR SHALL BE APPROPRIATELY LICENSED AS REQUIRED BY THE STATE IN WHICH THE WORK TAKES PLACE.
- CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY OF ANY ERRORS, OMISSIONS OR DISCREPANCIES IN EXISTING CONDITIONS OR WITHIN THE PLANS PRIOR TO BEGINNING THE WORK.
- DETERMINATION OF "EQUAL" SUBSTITUTIONS SHALL BE MADE ONLY BY THE LANDSCAPE ARCHITECT.
- LANDSCAPE ARCHITECT SHALL BE NOTIFIED NO LESS THAN 48 HOURS IN ADVANCE OF ANY SITE OBSERVATIONS OR MEETINGS.
- SITE OBSERVATIONS AND MEETINGS SHALL INCLUDE:
  - PRE-CONSTRUCTION CONFERENCE
  - SELECTION AND TAGGING OF SPECIMEN TREES AND NURSERIES - LANDSCAPE CONTRACTOR TO COORDINATE WITH LANDSCAPE ARCHITECT, ALLOW A MINIMUM OF 48 HOURS.
  - LAYOUT AND INSTALLATION OF HARDSCAPE AND LANDSCAPE STRUCTURES IN RELATION TO DESIGN INTENT.
  - LAYOUT AND INSTALLATION OF IRRIGATION SYSTEM INCLUDING COVERAGE TEST
  - PLANT MATERIAL QUALITY AND INSTALLATION AT THE PROJECT SITE
  - OBSERVATION TO ESTABLISH 90-DAY MAINTENANCE PERIOD (FINAL)
  - FINAL OBSERVATION AT THE END OF THE 90-DAY MAINTENANCE PERIOD (FINAL)NOTE: "LANDSCAPE" SHALL REFER TO ALL IMPROVEMENTS WITHIN THIS SET OF DOCUMENTS THAT HAVE BEEN DESIGNED BY THIS OFFICE.
- SITE OBSERVATION BY THE LANDSCAPE ARCHITECT DURING ANY PHASE OF THIS PROJECT DOES NOT RELIEVE THE CONTRACTOR OF HIS PRIMARY RESPONSIBILITY TO PERFORM ALL WORK IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND GOVERNING CODES.
- THIS FIRM DOES NOT PRACTICE OR CONSULT IN THE FIELD OF SAFETY ENGINEERING. THIS FIRM DOES NOT DIRECT THE CONTRACTOR'S OBSERVATIONS, AND IS NOT RESPONSIBLE FOR THE SAFETY OF PERSONNEL OTHER THAN OUR OWN ON THE SITE; THE SAFETY OF OTHERS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHOULD NOTIFY THE OWNER IF HE CONSIDERS ANY OF THE RECOMMENDED ACTIONS PRESENTED HEREIN TO BE UNSAFE.

### NOTIFICATIONS

#### CLIENT / ARCHITECT

DEWBERRY ARCHITECTS INC.  
8401 ARLINGTON BOULEVARD  
FAIRFAX, VA 22031-4619  
PH: 916.239.7268  
CONTACT: PATTI ESPOSITO  
EMAIL: PESPOSITO@DEWBERRY.COM

#### CIVIL ENGINEER

KPFF  
140 NEWPORT CENTER DRIVE, SUITE 100  
NEWPORT BEACH, CA 92660  
PH: 949.478.8800  
CONTACT: ANETA MCHENRY  
EMAIL: ANETA.MCHENRY@KPFF.COM

#### SITE STRUCTURAL ENGINEER

CROSPY GROUP  
155 BOVET RD. SUITE 550  
SAN MATEO, CA 94402  
PH: 650.367.8100  
CONTACT:  
EMAIL:

#### UTILITIES

ELECTRICAL COMPANY  
GAS COMPANY  
WATER DISTRICT  
PHONE / CABLE

SO. CAL. EDISON  
SO. CAL GAS  
CITY OF MCFARLAND  
SPECTRUM

805.655.4555  
877.238.0092  
661.792.3091  
833.780.1880

#### LANDSCAPE ARCHITECT

DESIGN:  
LANDSCAPE CRAFT STUDIO  
17853 SANTIAGO BLVD. SUITE 107-483  
VILLA PARK, CA 92661  
PH: 949.514.7906  
CONTACT: JERICO FARFAN  
JERICOFARFAN@LANDSCAPECRAFTSTUDIO.COM

#### M.E.P. ENGINEER

P2S  
5000 EAST SPRING STREET, SUITE 800  
LONG BEACH, CA 90815  
PH: 562.496.2999  
CONTACT:  
EMAIL:

### APPROVALS

PLAN CHECK # XXXXXXXX

COMMUNITY DEVELOPMENT DEPARTMENT  
CITY OF MCFARLAND, CA

ACCEPTED (PRINT NAME) SIGNATURE DATE



Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

LANDSCAPE  
CRAFT STUDIO Inc.

CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY  
APPROVED BY KY  
CHECKED BY JS  
DATE 10/29/2025  
TITLE

TITLE SHEET

PROJECT NO. 50184767  
LCS2025026

L0.000

SHEET NO.



A

B

C

D

E

F

I. CONTRACTOR'S CONSTRUCTION WORK RESPONSIBILITIES:

- SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION AND SERVICES NECESSARY TO FURNISH AND INSTALL ALL CONSTRUCTION ELEMENTS AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- CONFORMANCE: ALL CONSTRUCTION WORK SHALL CONFORM TO APPLICABLE LOCAL, COUNTY AND/OR STATE CODES, REGULATIONS AND RULES.
- LICENSE: ALL WORK SHALL BE PERFORMED BY A STATE LICENSED CONTRACTOR.
- INSURANCE: THE CONTRACTOR SHALL CARRY ALL WORKMAN'S COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY ALL APPLICABLE CODES, REGULATIONS AND THE OWNER (JOB SUPERINTENDENT).
- SITE VERIFICATION: PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL VERIFY, AT THE JOB SITE, ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AFFECTING THE INTENDED DESIGN OF THE LANDSCAPE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER (JOB SUPERINTENDENT) IMMEDIATELY.
- LIABLE FOR ENCRoACHMENT: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ENCRoACHMENT ONTO ADJACENT PROPERTY, RIGHT-OF-WAYS, EASEMENTS, SET-BACKS OR ANY OTHER LEGAL PROPERTY RESTRICTIONS EITHER MARKED OR UNMARKED.
- COORDINATION OF ACTIVITIES: THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATION OF HIS ACTIVITIES WITH ALL OTHER TRADES THROUGH THE OWNER (JOB SUPERINTENDENT).
- FIELD STAKING: PRIOR TO INSTALLATION, THE CONTRACTOR SHALL LOCATE BY STAKES, OR OTHER MEANS, ALL CONSTRUCTION ELEMENTS AS DELINEATED ON THE PLANS FOR APPROVAL BY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT.
- NOTIFICATION OF DISCREPANCIES: ANY DISCREPANCIES BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DOCUMENTS AND/OR THE DESIGN INTENT AFFECTING THE SUCCESSFUL COMPLETION AND COST OF THE PROJECT SHALL BE REPORTED TO THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT IMMEDIATELY. ALL WORK RELATED TO THE PROBLEM AREA SHALL CEASE UNTIL THE DISCREPANCIES HAVE BEEN RESOLVED BY THE OWNER (JOB SUPERINTENDENT) OR LANDSCAPE ARCHITECT IN WRITING. ANY CONTINUATION OF WORK PRIOR TO THE RESOLUTION OF DISCREPANCIES IS AT THE CONTRACTOR'S RISK AND EXPENSE.
- LIABLE FOR DAMAGE: THE CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ALL UTILITIES, CONSTRUCTION, IRRIGATION AND PLANTING ELEMENTS, EXISTING OR NEW, MARKED OR UNMARKED, AND SHALL REPAIR OR REPLACE ANY DAMAGED IMPROVEMENTS IN A MANNER ACCEPTABLE TO THE OWNER (JOB SUPERINTENDENT).
- LIABLE FOR LOSS: THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR ANY LOSS TO HIS EQUIPMENT, PARTS AND MATERIALS ON THIS PROJECT UNTIL COMPLETION AND ACCEPTANCE OF THE JOB IN WRITING BY THE OWNER (JOB SUPERINTENDENT).
- WRITTEN GUARANTEE: ALL WORK SHALL BE GUARANTEED BY THE CONTRACTOR AS TO THE MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE OF PROJECT. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE ON HIS LETTERHEAD AT THE TIME OF THE FINAL INSPECTION.
- WRITTEN CERTIFICATION: THE CONTRACTOR SHALL PROVIDE A WRITTEN CERTIFICATION THAT THE CONSTRUCTION WORK IS INSTALLED IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ANY APPROVED SUBSTITUTIONS OR DEVIATIONS FROM THE PLANS OR SPECIFICATIONS SHALL BE NOTED. THIS CERTIFICATION SHALL BE ON THE CONTRACTOR'S LETTERHEAD WITH HIS SIGNATURE AND STATE CONTRACTOR'S LICENSE NUMBER.
- STATE CIVIL CODE TO THE EXTENT THAT THIS PROJECT IS GOVERNED BY THE STATE CIVIL CODE, THE CONTRACTOR SHALL CONFORM WITH THE FUNCTIONALITY REQUIREMENT OF THE CIVIL CODE.
- METHODS OF CONSTRUCTION: THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.

II. OWNERS CONSTRUCTION WORK RESPONSIBILITIES:

- CONSTRUCTION RESPONSIBILITIES: THE OWNER WILL BE DIRECTLY RESPONSIBLE FOR ALL ASPECTS INCLUDING ALL CONSTRUCTION AND FINISHES. ALL FIELD MEETINGS SHALL BE INITIATED BY THE CONTRACTOR AND COORDINATED THROUGH THE OWNER (JOB SUPERINTENDENT) TO THE LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT SHALL BE IN A SUPPORT OBSERVATION ROLE. THE OWNER (JOB SUPERINTENDENT) PROVIDING INTERPRETIVE ADVICE ONLY IN ACCORDANCE WITH THE OBSERVATION SCHEDULE AS NOTED.
- DETERMINING LEGAL AND PHYSICAL ELEMENTS: OWNER (JOB SUPERINTENDENT) SHALL BE RESPONSIBLE FOR DETERMINING PROPERTY LINES, RIGHT-OF-WAYS, TRACT BOUNDARIES, GRADES, EASEMENTS, UTILITY LOCATIONS (ABOVE AND BELOW GRADE) ANY OTHER LEGAL OR PHYSICAL ELEMENTS AS REQUIRED, FOR THE SUCCESSFUL COMPLETION OF THE WORK. CONTRACTOR SHALL NOT BE PERMITTED TO PROCEED WITH ANY WORK WITHOUT DETERMINATION OF THE ABOVE INFORMATION.
- ROUGH GRADE: OWNER (JOB SUPERINTENDENT) FROM SHALL PROVIDE ROUGH GRADE TO WITHIN 1/10TH OF ONE FOOT OF FINISH GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH GRADE AND DRAINAGE OF ALL CONSTRUCTION ELEMENTS AT SPECIFIED GRADIENT.
- SITE DISCREPANCIES: ALL DISCREPANCIES IN SITE CONDITIONS, DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT IMMEDIATELY. IT IS THE OWNERS (JOB SUPERINTENDENT)'S RESPONSIBILITY TO CORRECT THE LANDSCAPE ARCHITECT PRIOR TO ANY FURTHER WORK IN THAT AREA. ANY UNREPORTED DISCREPANCY AND CONTINUED WORK WITHOUT NOTIFICATION FROM THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT SHALL BE AT THE CONTRACTOR'S RISK AND EXPENSE.
- CONTRACT FULFILLMENT: ALL QUESTIONS RELATING TO INTERPRETATION OF THE DRAWINGS AND SPECIFICATIONS, QUALITY OF WORK AND ACCEPTABLE FULFILLMENT OF INTENT OF THE CONTRACT DOCUMENTS SHALL BE DECIDED BY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT CONCURRENTLY.
- PERMITS AND INSPECTIONS: THE OWNER SHALL OBTAIN, COORDINATE AND PAY FOR ANY AND ALL PERMITS, FEES AND AGENCY INSPECTIONS AS REQUIRED.

III. REQUIRED FIELD OBSERVATION WORK:

- REQUIRED FIELD OBSERVATION WORK: THESE PLANS WERE PREPARED WITH THE UNDERSTANDING THAT THE OWNER OF SAID PLANS WILL USE LANDSCAPE CRAFT STUDIO TO PROVIDE FULL CONTRACT SERVICES INCLUDING FIELD OBSERVATION SERVICES DURING CONSTRUCTION. FAILURE TO USE LANDSCAPE CRAFT STUDIO TO PROVIDE AND COMPLETE THE FIELD OBSERVATION SERVICES SET FORTH HEREIN WILL SIGNIFICANTLY INCREASE THE RISK OF LOSS RESULTING, AMONG OTHER CAUSES, FROM MISINTERPRETATION OF THE INTENT OF THE DESIGN, UNAUTHORIZED MODIFICATIONS THERETO, AND FAILURE TO DETECT ERRORS AND OMISSIONS IN THE PLANS AND SPECIFICATIONS BEFORE THEY BECOME COSTLY MISTAKES BUILT INTO THE PROJECT. THEREFORE, IN THE EVENT THAT LANDSCAPE CRAFT STUDIO IS OTHERWISE PRECLUDED FROM COMPLETING THE FIELD OBSERVATION SERVICES SET FORTH HEREIN, THE OWNER, OR SUBSEQUENT OWNER (INDIVIDUALS OR CORPORATIONS WHO HAVE PURCHASED THESE PLANS WITH THE PROJECT), AGREES TO HOLD HARMLESS, INDEMNIFY, AND DEFEND LANDSCAPE CRAFT STUDIO AND THEIR CONSULTANTS FROM AND AGAINST ANY AND ALL CLAIMS.

IV. LANDSCAPE ARCHITECT'S CONSTRUCTION FIELD OBSERVATION SCHEDULE:

- FIELD OBSERVATION COORDINATION: THE FOLLOWING OBSERVATIONS SHALL BE INITIATED BY THE CONTRACTOR AND COORDINATED THROUGH THE OWNER (JOB SUPERINTENDENT). THE CONTRACTOR SHALL NOTIFY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT NOT LESS THAN FORTY- EIGHT (48) HOURS IN ADVANCE OF ANY OBSERVATION. CONTINUED WORK WITHOUT OBSERVATION OF THESE PHASES OF WORK IS AT THE CONTRACTOR'S RISK, WITH ANY REQUIRED CHANGE OR MODIFICATIONS AT THE CONTRACTOR'S EXPENSE. THE OWNER (JOB SUPERINTENDENT) SHALL INFORM THE LANDSCAPE ARCHITECT AS TO THE PURPOSE AND TIME OF THE OBSERVATION FORTY- EIGHT (48) HOURS IN ADVANCE.
- CONTRACTOR ORIENTATION/ PRECONSTRUCTION MEETING: THIS MEETING SHALL BE CONDUCTED TO DISCUSS THE SPECIFICATIONS, POSSIBLE DISCREPANCIES, SITE CONDITIONS AND OTHER ASPECTS OF THE PROJECT CONSTRUCTION WORK SUCH AS PERSONNEL, SCHEDULE AND REQUIREMENTS FOR STARTING WORK. PRIOR TO THE MEETING, CONTRACTOR SHALL THOROUGHLY ACQUAINT THEMSELVES WITH SITE CONDITIONS AND THE PLANS, DETAILS AND SPECIFICATIONS.
- CONSTRUCTION STAKING AND LAYOUT OBSERVATION: THIS OBSERVATION SHALL BE PERFORMED AFTER ALL CONSTRUCTION ELEMENTS, FLOW LINES AND FINISH GRADES HAVE BEEN LOCATED IN THE FIELD, BUT PRIOR TO FORMING OR EXCAVATING.
- ROUGH CONSTRUCTION PROGRESS OBSERVATION: THIS OBSERVATION SHALL BE PERFORMED AFTER ALL FORMING, EXCAVATION, REINFORCING STEEL AND STRUCTURAL STEEL WORK HAS BEEN COMPLETED, BUT PRIOR TO PLACEMENT OF ANY CONCRETE.
- PROGRESS/INSTALLATION INSPECTIONS: PERIODIC INSPECTIONS SHALL BE PERFORMED BY THE OWNER (JOB SUPERINTENDENT) DURING CONSTRUCTION OPERATIONS TO INSURE CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.
- FINAL OBSERVATION/PROJECT CERTIFICATION: THIS OBSERVATION VISIT WILL BE PERFORMED TO REVIEW ALL ASPECTS OF THE CONTRACTED WORK PRIOR TO RELEASING THE PROJECT TO THE OWNER.

V. SCOPE OF LANDSCAPE CONSTRUCTION NOTES:

A. GENERAL CONSTRUCTION NOTE:

- THESE SPECIFICATION NOTES IDENTIFY THE MINIMUM REQUIRED PROJECT SCOPE EXPECTATION TO BE PERFORMED BY THE AWARDED LICENSED CONTRACTOR. ALL INFORMATION REFERENCED ON THE APPROVED PLAN AND/OR DETAILS AND GOVERNING AGENCY REQUIREMENTS SHALL TAKE PRECEDENCE OVER THESE NOTES. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY PLAN, DETAIL AND/OR NOTE DISCREPANCIES PRIOR TO THE COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER / LANDSCAPE ARCHITECT IN WRITING ANY CHANGED SPEC WHICH HAS COST DIFFERENCES THAN WHAT IS SHOWN THE APPROVED PLANS.

B. BASE SHEETS:

- BASE SHEETS WERE DERIVED FROM PLANS:  
PREPARED BY: KPFF  
TITLED: GRADING PLAN  
DATED: 07/25/2025  
REVISED: XXXXXXXX  
COPIES AVAILABLE FROM OWNER UPON REQUEST.

C. GEOTECHNICAL REPORT:

- THE GEOTECHNICAL REPORT UTILIZED IN THE PREPARATION OF THE CONSTRUCTION PLANS AND DETAILS WAS PREPARED BY: XXXXXXXX  
TITLED: XXXXXX  
DATED: XXXXXXXX  
COPIES AVAILABLE FROM OWNER UPON REQUEST.

D. CONCRETE AND MASONRY NOTES:

- LICENSE: THE CONCRETE CONTRACTOR SHALL BE A STATE LICENSED CONCRETE CONTRACTOR. THE MASONRY CONTRACTOR SHALL BE A STATE LICENSED MASONRY CONTRACTOR.
- GEOTECHNICAL REPORTS: ALL EXCAVATION, GRADING, COMPACTION, ETC. SHALL BE ACCOMPLISHED AND PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE GEOTECHNICAL REPORT IS HEREBY MADE A PART OF THESE DRAWINGS AND THE RECOMMENDATIONS CONTAINED THEREIN ARE TO BE FOLLOWED AND CONSIDERED A MINIMUM UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED OR DETAILED IN THE DRAWINGS OR SPECIFICATIONS.
- SOILS COMPACTION: ALL EXISTING FILL SOIL AND DISTURBED NATURAL SOILS ARE TO BE EXCAVATED AND REPLACED WITH PROPERLY COMPACTED FILL PER THE GEOTECHNICAL REPORT. ALL FILLING, BACKFILLING, RECOMPACTION, ETC., IS TO BE ACCOMPLISHED ONLY UNDER THE SUPERVISION OF A SOILS ENGINEER.
- INSPECTIONS: ALL EXCAVATIONS ARE TO BE INSPECTED AND APPROVED BY A SOILS ENGINEER PRIOR TO THE PLACEMENT OF ANY FILL OR REINFORCING STEEL.
- SLEEVE COORDINATION: ALL PIPE SLEEVING FOR DRAINAGE, IRRIGATION AND ELECTRICAL SERVICE, BENEATH OR EMBEDDED IN CONCRETE OR MASONRY WALLS SHALL BE COORDINATED WITH THE APPROPRIATE SUBCONTRACTORS THROUGH THE OWNER (JOB SUPERINTENDENT) AND APPROVED BY THE OWNER.
- ROCK AND SAND SPECIFICATIONS: AGGREGATES FOR CONCRETE SHALL BE NATURAL SAND AND ROCK CONFORMING TO ASTM C33.
- AGGREGATES: AGGREGATES FOR MORTAR AND GROUT SHALL BE NATURAL SAND AND ROCK CONFORMING TO ASTM C-144 AND C-404.
- CEMENT: CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C-150, TYPE II TYPE I/II OR TYPE I/III. GEOTECHNICAL REPORT.
- CONCRETE FOR ALL CONCRETE IN CONTACT WITH SOIL, PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,000 PSI WITH 10% POZZOLAN. A MAXIMUM SLUMP OF 8" AND A MAXIMUM WATER/CEMENT RATIO OF 0.45 UNLESS GEOTECHNICAL ENGINEER BUILDING DEPARTMENT DETERMINES THAT SOILS SULFATE EXPOSURE IS NEGLIGIBLE PER UBC TABLE 19-A-4. (CONTINUOUS INSPECTION NOT REQUIRED UNLESS OTHERWISE NOTED AS DESIGN STRENGTH IS 2,500 PSI.)
- FIBER REINFORCING: PROVIDE 1.5 LBS OF 1/2" SUPERNET FIBER REINFORCEMENT BY FORTA FIBER CORP. PER CUBIC YARD OF CONCRETE USED FOR FLATWORK ONLY, AS REQUIRED.
- CONCRETE BLOCK: ALL CONCRETE BLOCK SHALL CONFORM TO ASTM C-90, GRADE N.
- MORTAR: MORTAR SHALL BE TYPE S' MIXED IN THE PROPORTIONS OF 1 PART PORTLAND CEMENT TO 1/2 TO 2 PARTS LIME PUTTY TO 2-1/4 TO 3 TIMES THE QUANTITY OF THE CEMENT PLUS LIME PUTTY PARTS OF SAND.
- GROUT: GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS AND SHALL BE MIXED IN PROPORTIONS OF 1 PART PORTLAND CEMENT TO 1/10 PART LIME PUTTY TO 2 TO 3 PARTS SAND TO A MAXIMUM OF 2 PARTS GRAVEL.
- TESTING: ALL CEMENT, AGGREGATE, REINFORCING STEEL, STRUCTURAL STEEL, ETC. SHALL BE FROM TESTED STOCK. COPIES OF TEST REPORTS SHALL BE FURNISHED TO THE OWNER (JOB SUPERINTENDENT) UPON REQUEST.
- COMPRESSIVE STRENGTH OF CONCRETE: ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS. (5.2 SKYD), UNLESS NOTED OTHERWISE.
- REBARS: LAP ALL BARS IN CONCRETE A MINIMUM OF THIRTY SIX (36) TIMES THE DIAMETER OF THE REBARS. REBARS SHALL BE 2" MINIMUM AT ALL JOINTS. BARS IN MASONRY A MINIMUM OF FORTY (40) TIMES THE DIAMETER OF THE REINFORCING BAR (2" MINIMUM) AT ALL SPLICES. UNLESS NOTED OTHERWISE, SPLICES OF HORIZONTAL REBAR IN WALLS AND FOOTINGS SHALL BE STAGGERED. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 40, #4 AND SMALLER AND ASTM 1615, GRADE 60, #5 AND LARGER.
- DOWELS: DOWELS FOR WALLS SHALL BE SAME SIZE AND SPACING AS THE WALL REINFORCEMENT AND SHALL LAP WITH THE REINFORCING BAR AS NOTED ABOVE UNLESS NOTED OTHERWISE.
- SECURE INSERTS: ANCHOR BOLTS, DOWELS, INSERTS, ETC., SHALL BE SECURELY TIED IN PLACE PRIOR TO THE POURING OF ANY CONCRETE OR GROUT. ALL EXPOSED STEEL SHALL BE HOT DIPPED GALVANIZED AND/OR METALIZED.
- WELDING: WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D12-1 USING PROPER LOW HYDROGEN ELECTRODES.

D. CONCRETE AND MASONRY NOTES - CONTINUED:

- MINIMUM CONCRETE COVERAGE: THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND FACE OF CONCRETE SHALL BE MAINTAINED UNLESS NOTED OTHERWISE:  
a. SLABS ON EARTH: 2" MINIMUM OR AT CENTER OF SLAB  
b. CONCRETE BELOW GRADE: FORMED: 2" MINIMUM COVER  
c. CONCRETE BELOW GRADE: UNFORMED (POURED AGAINST EARTH): 3" MINIMUM COVER  
d. MAXIMUM SLUMP IN ALL CONCRETE FLATWORK SHALL NOT EXCEED 4"  
e. MAXIMUM WATER-CEMENT RATIO FOR ALL CONCRETE FLATWORK SHALL NOT EXCEED .55  
f. FOR TYPE V CEMENT THE MAXIMUM WATER -CEMENT RATIO SHALL NOT EXCEED .45.
- GROUTING: ALL MASONRY SHALL BE REINFORCED GROUTED SOLID MASONRY UNLESS NOTED OTHERWISE. GROUT SOLID ALL CELLS WHICH CONTAIN REBAR, SET FORTH, ETC. GROUT SOLID ALL CELLS BELOW GRADE. ALL REINFORCEMENT, BOLTS, ETC. IN MASONRY SHALL HAVE A MINIMUM GROUT COVERAGE OF 3/4".
- SPECIFICATIONS TESTING: SEE STRUCTURAL ENGINEERING CALCULATIONS TEST AND/OR INSPECTION REQUIREMENTS.
- FIELD TESTING: CONTINUOUS INSPECTION SHALL BE PROVIDED BY A TESTING LABORATORY FOR ALL FIELD WELDING. CONCRETE WITH SPECIFIED COMPRESSIVE STRENGTH OF 2,500 PSI OR GREATER AND CAISSONS. MASONRY SHALL HAVE CONTINUOUS INSPECTION WHERE NOTES ARE CALLED FOR IN DRAWINGS.
- FOOTINGS: FOOTINGS SHALL BE OF THE SIZE AND TYPE AS INDICATED ON THE DRAWINGS.
- BACKFILL: MASONRY CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING ALL HOLES IN ADVANCE OF ANY OBSERVATION. CONTINUED WORK WITHOUT OBSERVATION OF THESE PHASES OF WORK IS AT THE CONTRACTOR'S RISK, WITH ANY REQUIRED CHANGE OR MODIFICATIONS AT THE CONTRACTOR'S EXPENSE. THE OWNER (JOB SUPERINTENDENT) SHALL INFORM THE LANDSCAPE ARCHITECT AS TO THE PURPOSE AND TIME OF THE OBSERVATION FORTY- EIGHT (48) HOURS IN ADVANCE.
- CONTRACTOR ORIENTATION/ PRECONSTRUCTION MEETING: THIS MEETING SHALL BE CONDUCTED TO DISCUSS THE SPECIFICATIONS, POSSIBLE DISCREPANCIES, SITE CONDITIONS AND OTHER ASPECTS OF THE PROJECT CONSTRUCTION WORK SUCH AS PERSONNEL, SCHEDULE AND REQUIREMENTS FOR STARTING WORK. PRIOR TO THE MEETING, CONTRACTOR SHALL THOROUGHLY ACQUAINT THEMSELVES WITH SITE CONDITIONS AND THE PLANS, DETAILS AND SPECIFICATIONS.
- CONSTRUCTION STAKING AND LAYOUT OBSERVATION: THIS OBSERVATION SHALL BE PERFORMED AFTER ALL CONSTRUCTION ELEMENTS, FLOW LINES AND FINISH GRADES HAVE BEEN LOCATED IN THE FIELD, BUT PRIOR TO FORMING OR EXCAVATING.
- ROUGH CONSTRUCTION PROGRESS OBSERVATION: THIS OBSERVATION SHALL BE PERFORMED AFTER ALL FORMING, EXCAVATION, REINFORCING STEEL AND STRUCTURAL STEEL WORK HAS BEEN COMPLETED, BUT PRIOR TO PLACEMENT OF ANY CONCRETE.
- PROGRESS/INSTALLATION INSPECTIONS: PERIODIC INSPECTIONS SHALL BE PERFORMED BY THE OWNER (JOB SUPERINTENDENT) DURING CONSTRUCTION OPERATIONS TO INSURE CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.
- FINAL OBSERVATION/PROJECT CERTIFICATION: THIS OBSERVATION VISIT WILL BE PERFORMED TO REVIEW ALL ASPECTS OF THE CONTRACTED WORK PRIOR TO RELEASING THE PROJECT TO THE OWNER.

E. METAL WORK NOTES

- LICENSE: THE TUBULAR STEEL FENCE CONTRACTOR SHALL BE A STATE LICENSED TUBULAR STEEL FENCE CONTRACTOR.
- MATERIAL STANDARDS: ALL STEEL TUBING SHALL BE ASTM 500 GRADE A, OR ASTM A501 SEAMLESS. ALL STAINLESS STEEL SHALL BE GRADE 316 UNLESS NOTED OTHERWISE.
- STATE AND LOCAL CODES: ALL FENCING AS SHOWN ON THE PLANS AND DETAILS IS INTENDED TO MEET THE MINIMUM STATE AND LOCAL CODES. ALL CONDITIONS THAT DO NOT CONFORM SHALL BE BROUGHT TO THE OWNER'S (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT'S ATTENTION PRIOR TO FABRICATION AND INSTALLATION.
- PRIMER PAINT: PRIME ALL METAL AFTER FABRICATION PRIOR TO DELIVERY TO THE JOB SITE.
- REPAIR OF GALVANIZED SURFACES: TO TOUCH-UP GALVANIZED SURFACES, USE 95% ZINC AS MANUFACTURED BY ALL-STATE WELDING ALLOYS COMPANY OR EQUAL.
- QUALITY CONTROL: MISCELLANEOUS METAL WORK SHALL BE FREE OF DEFECTS WHICH IMPAIR STRENGTH, DURABILITY AND APPEARANCE.
- INSTALLATION: ERECT PLUMB, STRAIGHT, TRUE AND ACCURATELY FIX IN PLACE, BRACE, REINFORCE, AND ANCHOR IN PLACE. GRIND ALL FIELD WELDS SMOOTH.
- SLEEVES: SET RAILING STANDARDS TRUE AND PLUMB IN PROPERLY POSITIONED SLEEVES, THEN BRACE TO POSITION AND CEMENT IN PLACE WITH QUICK SETTING CEMENT.
- CORROSION PREVENTION: PROTECT ALL DISSIMILAR METALS FROM GALVANIC CORROSION BY PRESSURE TAPES, COATINGS OR ISOLATORS.
- CLEANING: AFTER ERECTION, CLEAN OFF ALL RUST, SCALE AND OIL. CLEAN FIELD WELDS, BOLTS AND ABRADED AREAS. TOUCH UP ALL AREAS WITH THE SAME MATERIAL AS USED FOR THE SHOP COAT LEAVING ALL SURFACES READY TO RECEIVE FINISH COATS.
- ZINC GALVANIZED/METALIZED METAL: ALL METAL SHALL BE PRIMED ZINC METALIZED OR HOT DIPPED GALVANIZED.
- PAINTING: APPLY ONE (1) COMPLETE PRIMER COAT PER NOTE (6) ABOVE AND A MINIMUM OF TWO (2) COATS OF EXTERIOR METAL PAINT, PAINT AND PAINT COLOR TO BE APPROVED BY THE OWNER. PROVIDE ANY ADDITIONAL COLOR COATS TO PROVIDE COMPLETE COVERAGE.
- POWDER COATED METAL: ALL POWDER COATED METALS SHALL HAVE A ZINC METALIZED PRIMER APPLIED PRIOR TO POWDER COAT.

FENCES LEGEND

CODE	DESCRIPTION	DETAIL	SUPPLIER	PRODUCT / MATERIAL	COLOR	FINISH	REMARK
[F-01]	TUBULAR STEEL FENCE	A/L2.404	AMERISTAR FENCE AMERISTARPERIMETE R.COM 800-321-8724	MONTAGE COMMERCIAL FENCE OR APPROVED EQUAL	MATT BLACK	MAJESTIC OR APPROVED EQUAL	PROVIDE SHOP DRAWINGS AND COLOR SAMPLE FOR APPROVAL INSTALL PER MANUFACTURER'S RECOMMENDATION

GATES LEGEND

CODE	DESCRIPTION	DETAIL	SUPPLIER	PRODUCT / MATERIAL	COLOR	FINISH	REMARK
[G-01]	PEDESTRIAN GATE	B/L2.402	AMERISTAR FENCE AMERISTARPERIMETE R.COM 800-321-8724	MONTAGE COMMERCIAL CUSTOM GATE OR APPROVED EQUAL	MATT BLACK	MAJESTIC OR APPROVED EQUAL	AMERISTAR FENCE AMERISTARPERIMETER.COM 800-321-8724
[G-02]	VEHICULAR SLIDING GATE	A/L2.403	AMERISTAR FENCE AMERISTARPERIMETE R.COM 800-321-8724	MONTAGE COMMERCIAL CUSTOM GATE OR APPROVED EQUAL	MATT BLACK	MAJESTIC OR APPROVED EQUAL	AMERISTAR FENCE AMERISTARPERIMETER.COM 800-321-8724

PAVING LEGEND

CODE	DESCRIPTION	DETAIL	SUPPLIER	PRODUCT / MATERIAL	COLOR	FINISH	LEAD TIME	REMARK
[P-01]	NATURAL GRAY CONCRETE - PEDESTRIAN GRADE	A/L2.401	N/A	POURED-IN-PLACE CONCRETE	NATURAL GRAY	LIGHT ETCH OR EQUIVALENT	N/A	PROVIDE 4'X4' MOCK UP FOR APPROVAL.
[P-02]	CONCRETE WALKWAY PER CIVIL ENGINEERING PLAN	N/A	N/A	POURED-IN-PLACE CONCRETE	NATURAL GRAY	LIGHT BROOM FINISH		PROVIDE 4'X4' MOCK UP FOR APPROVAL.
[P-03]	STABILIZED DECOMPOSED GRANITE	C/L2.401	SOUTHWEST BOULDER AND STONE	DECOMPOSED GRANITE WITH ORGANIC-LOCK	SUNSET GOLD	STABILIZED WITH ORGANIC LOCK	N/A	PROVIDE SAMPLE FOR REVIEW AND APPROVAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE SAMPLE FOR APPROVAL
[P-04]	3" THICK ROCK MULCH		TBD	3/4' GRAVEL	SUNSET GOLD	WASHED		

SITE ELEMENT

CODE	DESCRIPTION	DETAIL	SUPPLIER	PRODUCT / MATERIAL	COLOR	FINISH	LEAD TIME	REMARK
[S-01]	BICYCLE RACK	C/L2.404	VESTRE	686A WITH BASE PLATE / GALVANIZED STEEL	RAL7024 GRAPHITE GREY	POWDERCOATED	TBD	PROVIDE CUT SHEET AND COLOR SAMPLE FOR REVIEW AND APPROVAL BY OWNER. INSTALL PER MANUFACTURER'S RECOMMENDATION
[S-02]	BENCH - WITH BACK	D/L2.404	LANDSCAPE FORMS	MULTIPLICITY BENCH STRAIGHT WITH END ARMS	WHITE FRAME	POWDERCOAT FRAME WITH IPE WOOD	TBD	PROVIDE CUT SHEET AND COLOR SAMPLE FOR REVIEW AND APPROVAL BY OWNER.
[S-03]	TRASH RECEPTACLE		LANDMARK CONTRACTORS ENRIQUE RAMIREZ 1-562-360-5536	CYLINDER PRECAST GFRC WITH ROUND RECEPTACLE LID	BLACK LEAD	SMOOTH MATT	16-WEEKS	INSTALL ANCHOR PER MANUFACTURER'S RECOMMENDATION PROVIDE SURFACE MOUNT HOLES IN BASE. PROVIDE CUTSHEET AND COLOR SAMPLE FOR REVIEW AND APPROVAL BY OWNER
[S-04]	FLAG POLE	B/L2.404	CONCORD AMERICAN FLAGPOLE	25' TALL, 6" DIAMETER MONARCH SERIES - ICC INTERNAL CAM CLEAT INTERNAL REVOLVING TRUCK - ROPE HALYARD (ICC25D61); STANDARD CONE TAPERED FLAGPOLE; AMERICAN FLAG POLE TO RECEIVE FLYING EAGLE CAP (EAG-0450-NAT (15") STYLE A - FC11 SPUN ALUMINUM	POLE: CLR-CLEAR ROPE: SILVER POLYESTER	SATIN ALUMINUM FINISH	TBD	CONTRACTOR TO PROVIDE CUT SHEET WITH SELECTIONS FOR APPROVAL
[S-05]	BOLLARDS	A/L2.404	1800BOLLARDS.COM	STAINLESS STEEL BOLLARD COVER	#4 POLISHED	POLISHED 316 STAINLESS STEEL	6 TO 8 WEEKS	PROVIDE CUT SHEET. INSTALL PER MANUFACTURER'S RECOMMENDATION.

WALLS LEGEND

CODE	DESCRIPTION	DETAIL	PRODUCT / MATERIAL	COLOR	FINISH	LEAD TIME	REMARK
[W-01]	LOW SEAT WALL WITH CONCRETE CAP	C/L2.402	CMU WITH VENEER FINISH,IPRECASET CONCRETE CAP	VENEER: MATCH BUILDINGCAP: NATURAL GRAY	VENEER MATCH BUILDINGCAP: SMOOTH FINISH	TBD	PROVIDE SAMPLES AND MOCKUP FOR REVIEW AND APPROVAL.PROVIDE. PROVIDE SHOP DRAWINGS OF THE PRECAST CAP FOR REVIEW.
[W-02]	MONUMENTATION WALL	D/L2.401	PILASTER :CMU WITH VENEER FINISH. WALL:CMU WITH VENEER AND STUCCO FINISHIPRECASET CONCRETE CAP	VENEER: MATCH BUILDING STOCCO: NATURAL GRAYCAP: NATURAL GRAY	VENEER MATCH BUILDING STUCCO: SMOOTH FINISHCAP: SMOOTH FINISH	TBD	TBD



Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY

APPROVED BY

CHECKED BY

DATE

TITLE

CONSTRUCTION  
LEGEND AND  
NOTES

PROJECT NO. 50184767  
LCS20205026

L2.001

SHEET NO.



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY  
APPROVED BY KY  
CHECKED BY JS  
DATE 10/29/2025  
TITLE

CONSTRUCTION  
PLAN

PROJECT NO. 50184767  
LCS2025026

L2.101

SHEET NO.

AGENCY SUBMITTAL #1 / OWNER REVIEW 10/29/2025

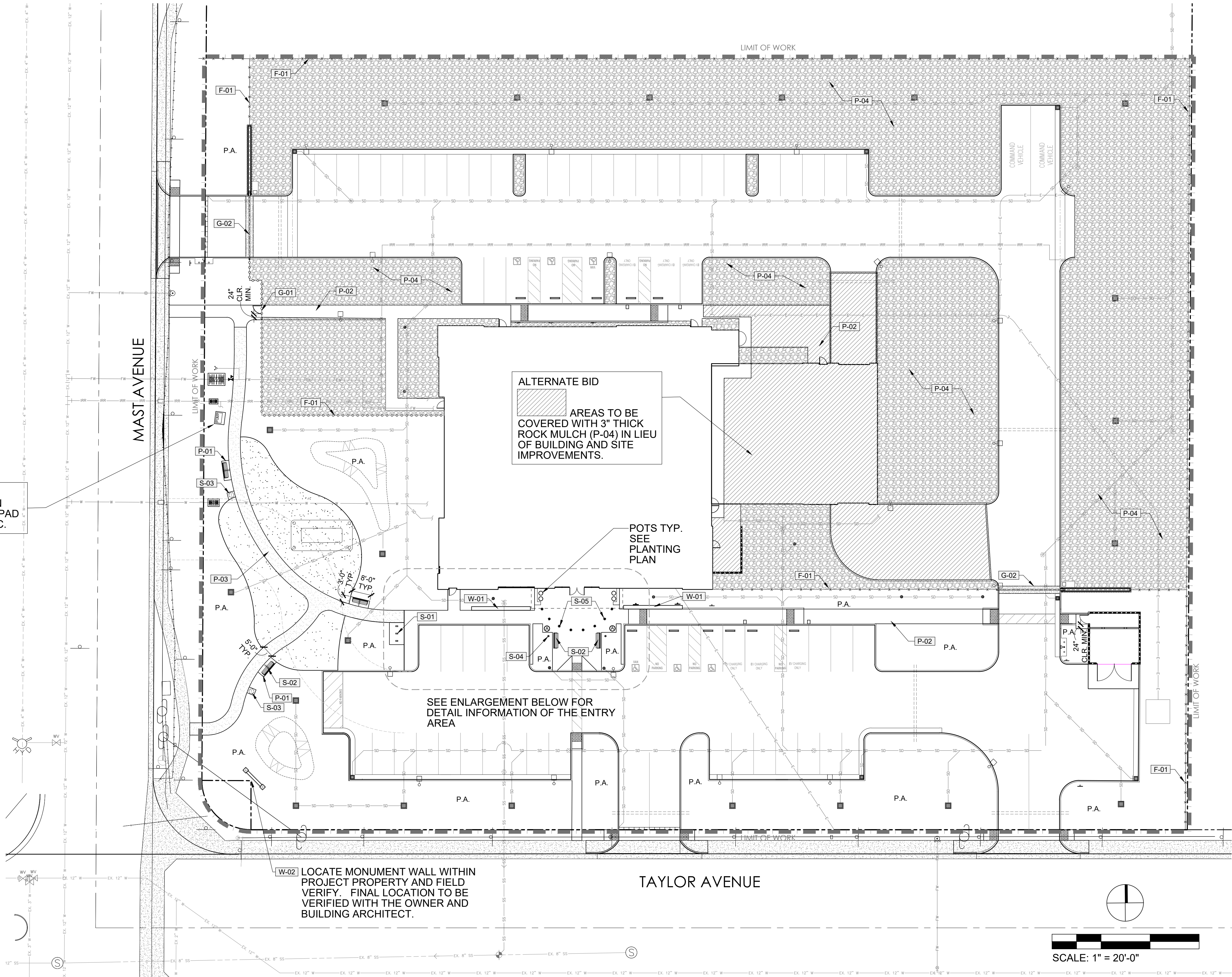
CONSTRUCTION NOTES:

- REFER TO THE CIVIL ENGINEERING DRAWINGS FOR ALL LANDSCAPE AREA DRAINS. LOCATE DRAINS A MINIMUM OF 2'-0" FROM HARDSCAPE.
- REFER TO THE ELECTRICAL ENGINEER PLANS FOR LIGHTING AND ELECTRICAL WORK.
- ALL CALLOUTS AND DIMENSIONS ONCE TYPICAL PER SHEET.
- GRADES ARE BASED ON THE CIVIL ENGINEERS' PRECISE GRADING PLAN.
- THIS PLAN IS FOR THE PURPOSE OF HORIZONTAL CONTROL (STAKING) OF CONSTRUCTION FEATURES NOT LOCATED BY THE CIVIL ENGINEERING PLANS; AND THE CONSTRUCTION REFERENCE OF SITE CONSTRUCTION FEATURES DETAILED HEREIN.
- ALL DIMENSIONS ARE STAKED PERP. OR PARALLEL TO CENTERLINE OF STREET.
- REFER TO THE CIVIL ENGINEER PLANS HEREIN FOR ALL FINISH GRADING, ALL HORIZONTAL AND VERTICAL CONTROL OF PROPOSED CONSTRUCTION FEATURES, AND ALL UNDERGROUND DRAINAGE SHOWN HERE ON.
- CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY BOXES FLUSH WITH FINISH GRADE. REFER TO CIVIL ENGINEER'S PLAN FOR ALL FINISH GRADE ELEVATIONS.
- ALL SITE PAVING FORMS SHALL BE REVIEWED/APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PAVING INSTALLATION.
- CONTRACTOR SHALL PROVIDE STAKING SERVICES FOR ALL LIMIT OF WORK AND PROPERTY LINES
- "PA" REPRESENTS PLANTING AREA.
- ALL HARDSCAPE CORNER RADIUS ARE EITHER 3', 6', OR 9' UNLESS NOTED ON PLAN.
- ALL WALKWAY FORMS SHALL SLOPE AS SHOWN ON THE CIVIL ENGINEERS PRECISE GRADING PLANS. LIGHT FIXTURE LOCATION SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL ENGINEER'S LIGHTING PLAN FOR LOCATIONS. TREE UP-LIGHT LOCATIONS ARE SUBJECT TO FIELD ADJUSTMENT PER SITE CONDITIONS.

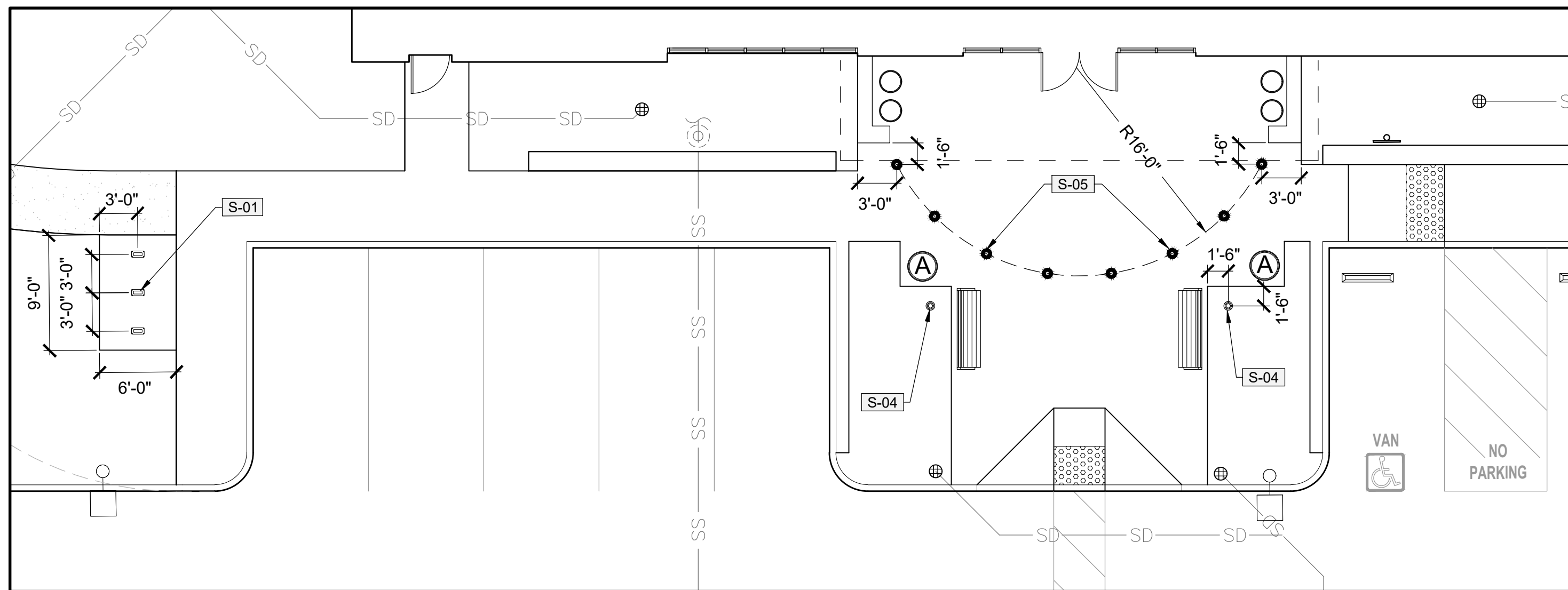
REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	DETAIL
FENCES LEGEND		
F-01	TUBULAR STEEL FENCE	A/L2.404
GATES LEGEND		
G-01	PEDESTRIAN GATE	B/L2.402
G-02	VEHICULAR SLIDING GATE	A/L2.403
PAVING LEGEND		
P-01	NATURAL GRAY CONCRETE - PEDESTRIAN GRADE	A/L2.401
P-02	CONCRETE WALKWAY PER CIVIL ENGINEERING PLAN	
P-03	STABILIZED DECOMPOSED GRANITE	C/L2.401
P-04	3" THICK ROCK MULCH	
SITE ELEMENT		
S-01	BICYCLE RACK	C/L2.404
S-02	BENCH - WITH BACK	D/L2.404
S-03	TRASH RECEPTACLE	
S-04	FLAG POLE	B/L2.404
S-05	BOLLARDS	A/L2.404
WALLS LEGEND		
W-01	LOW SEAT WALL WITH CONCRETE CAP	C/L2.402
W-02	MONUMENTATION WALL	D/L2.401

IRRIGATION BOOSTER PUMP. SEE IRRIGATION PLAN FOR CONCRETE PAD DIMENSIONS AND SPEC.



ENTRY ENLARGMENT



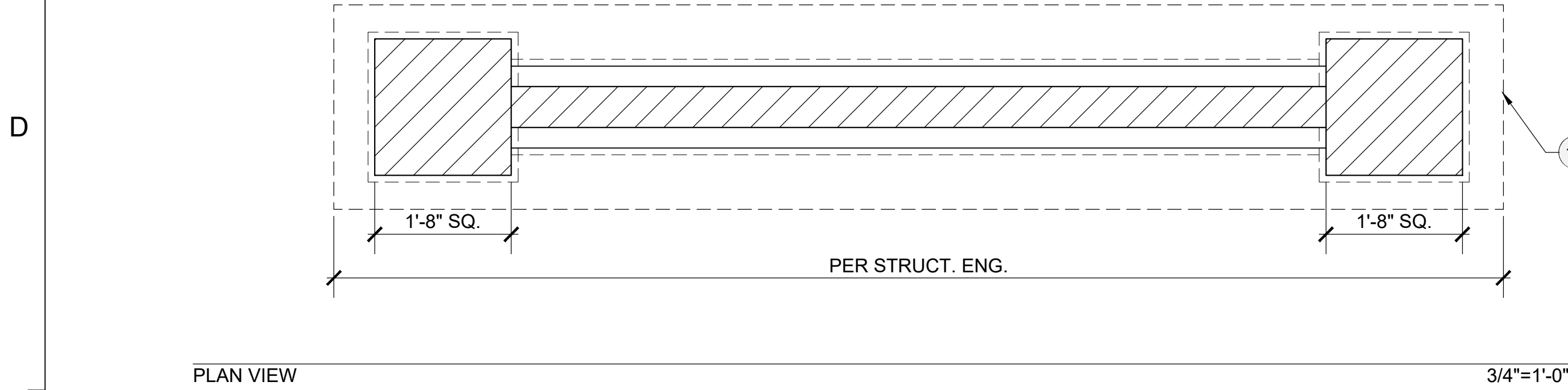
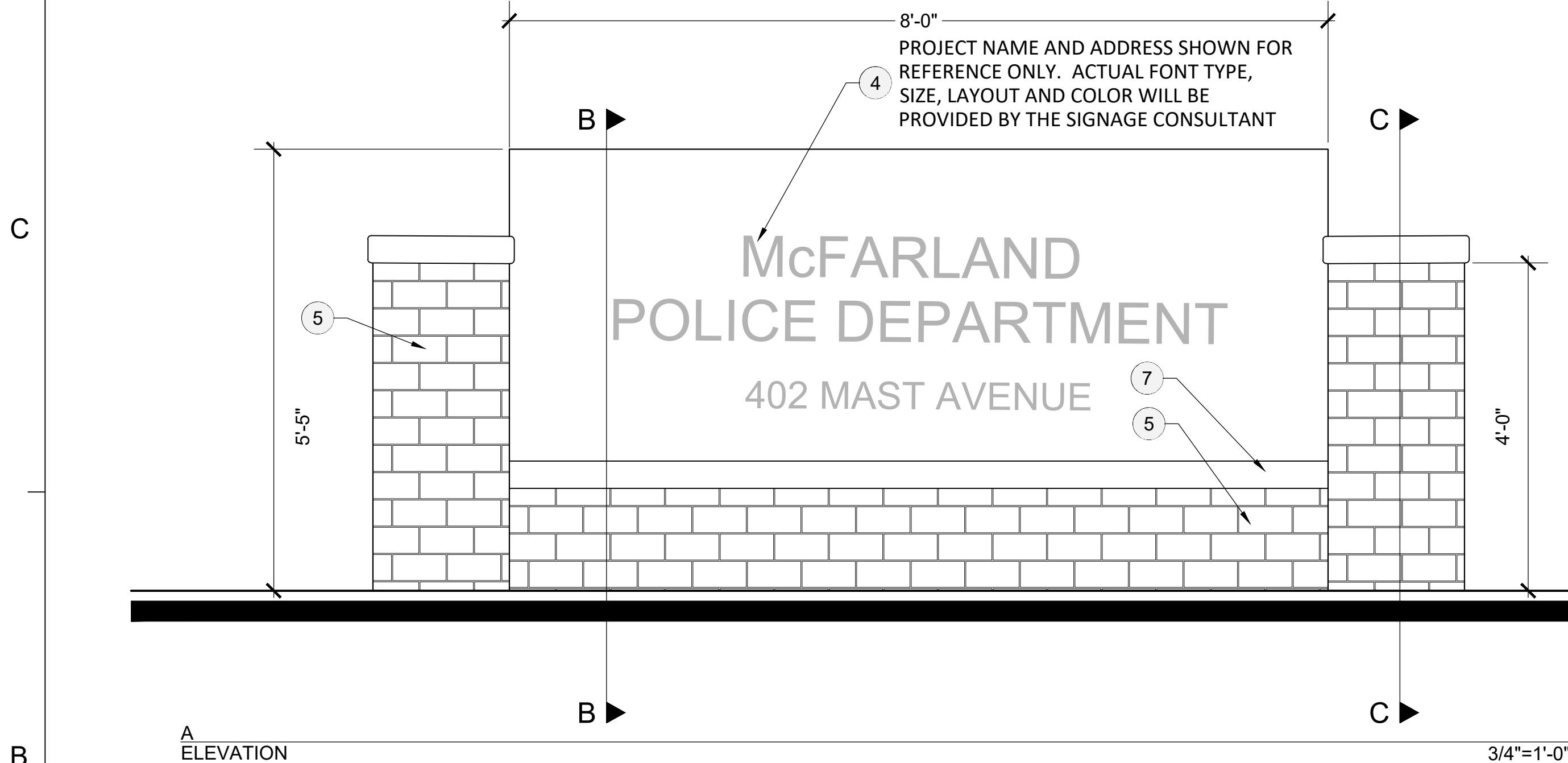
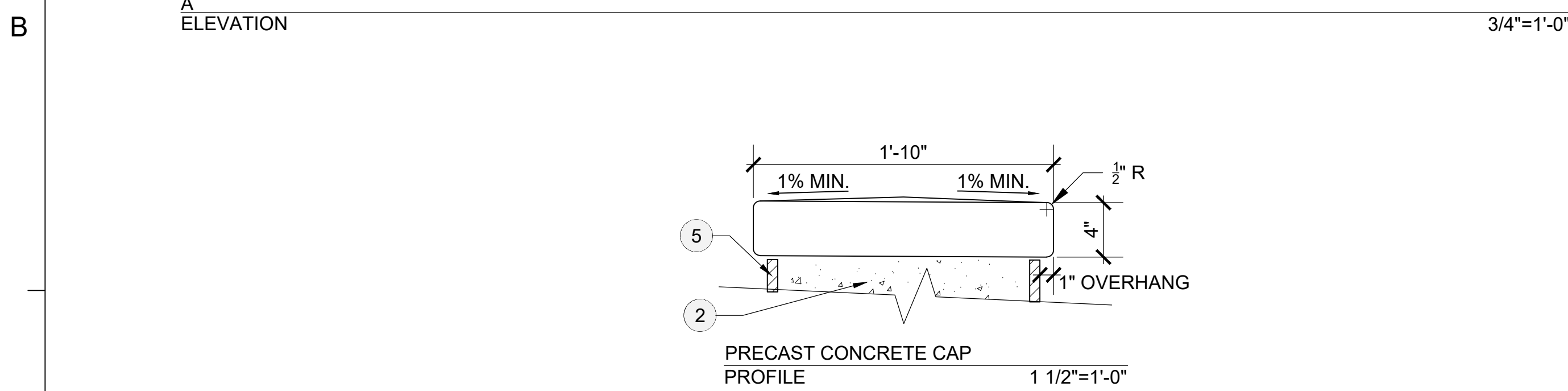
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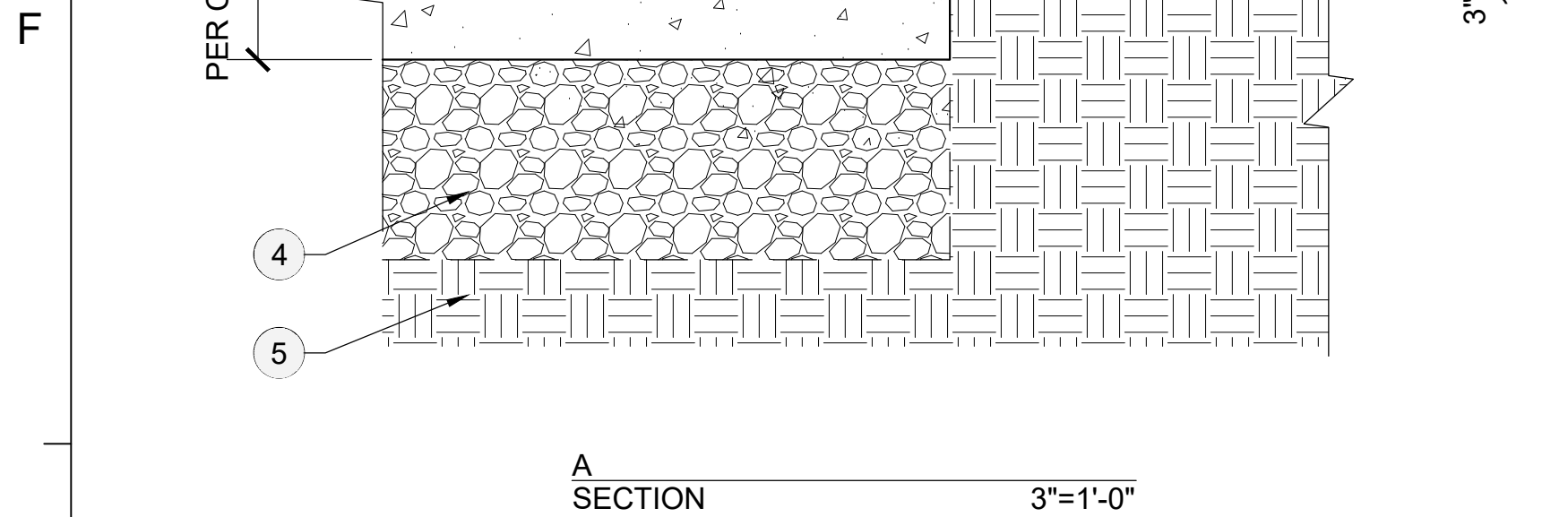
D CORNER MONUMENT WALL

THIS DETAIL IS INTENDED TO ILLUSTRATE DESIGN INTENT ONLY. CONTRACTOR SHALL PREPARE INSTALLATION SHOP DRAWINGS FOR REVIEW. SHOP DRAWING SHALL BE BASED ON THE ACTUAL MATERIAL DIMENSIONS AND THE FIELD CONDITIONS.



A CONCRETE PAVING

- LEGEND
- 1 CONCRETE PAVING, SEE CONSTRUCTION LEGEND FOR COLOR AND FINISH
  - 2 1/4" RADIUS NOSE ALL EXPOSED EDGES CONT. TYP.
  - 3 FINISH GRADE PLANTING AREA.
  - 4 FIRM UNDISTURBED SOIL OR PROPERLY COMPACTED FILL GEOTECHNICAL REPORT.
  - 5 COMPACTED SUB-GRADE PER GEOTECHNICAL REPORT.
- NOTES
- A. POUR CONC. AGAINST FIRM UNDISTURBED SOIL OR PROPERLY COMPACTED FILL PER GEOTECHNICAL REPORT.
  - B. PAVING THICKNESS, BASE PREPARATION, AND REINFORCING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY AND COMPLY WITH REQUIREMENTS NOTED IN THE GEOTECHNICAL SOILS REPORT OR CIVIL ENGINEER DETAILS.



F

E

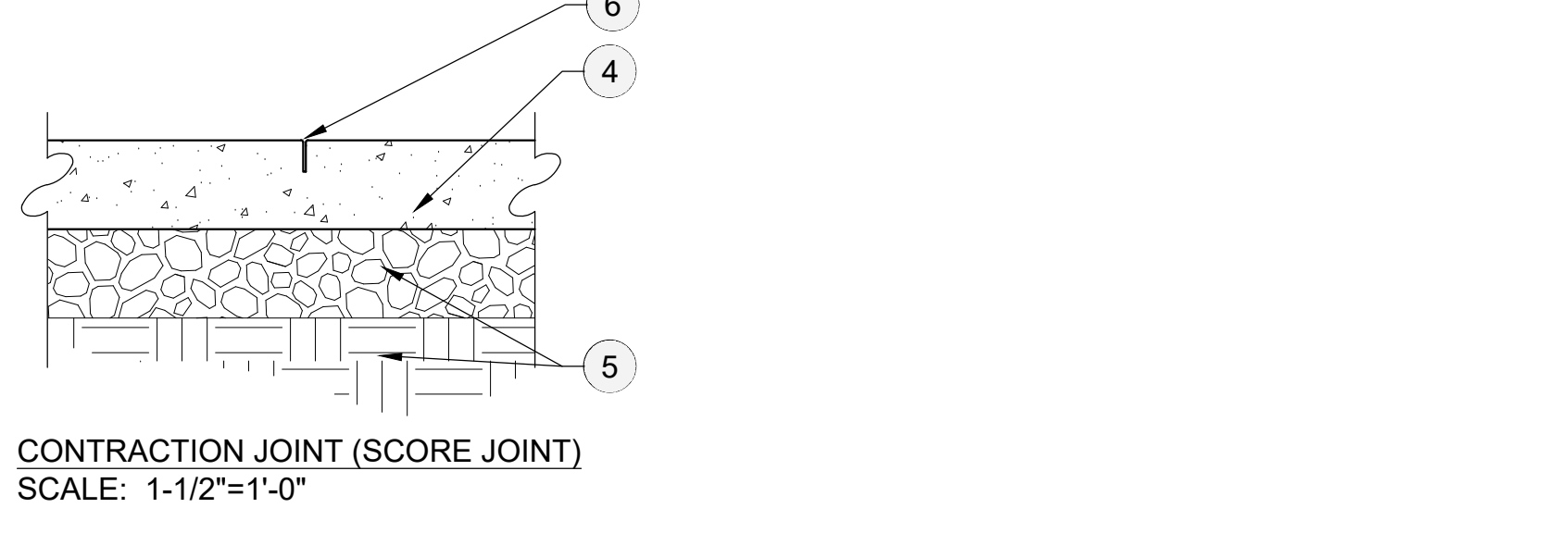
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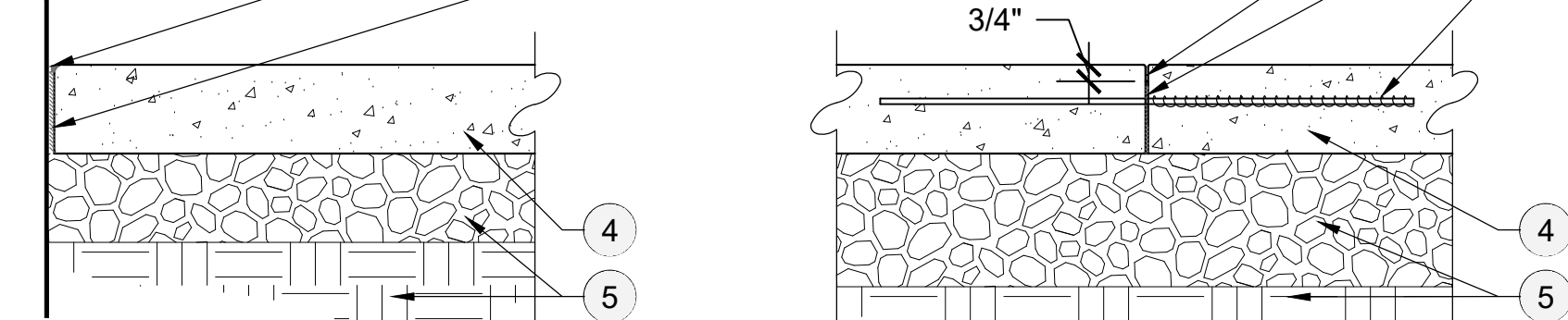
A

B CONCRETE JOINT

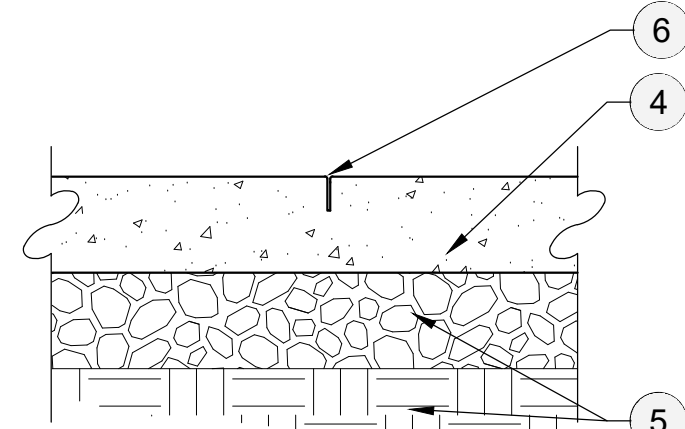


ISOLATION JOINT (COLD JOINT)  
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CONSTRUCTION JOINT (EXPANSION JOINT)  
SCALE: 1-1/2"=1'-0"

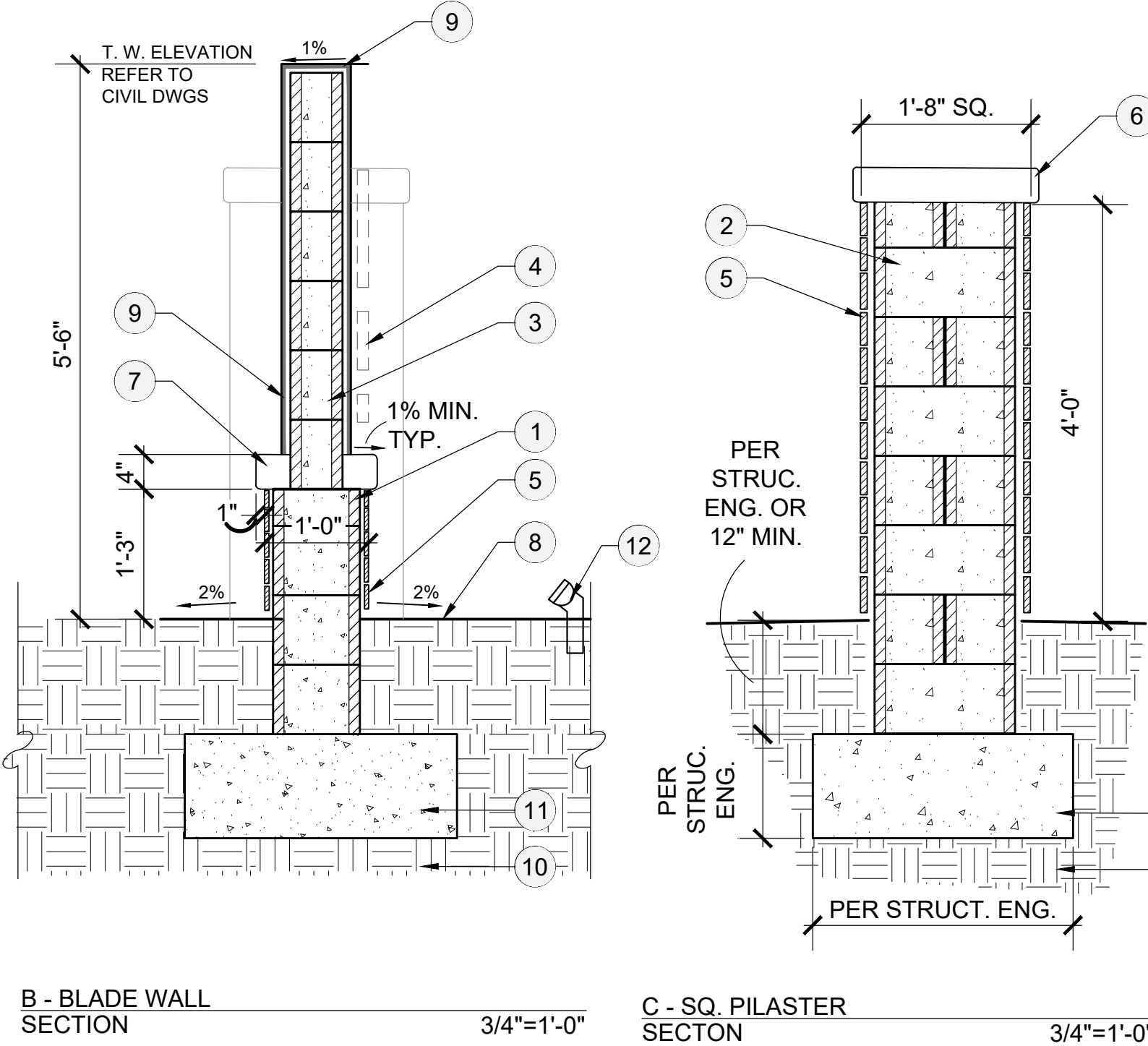


CONTRACTION JOINT (SCORE JOINT)  
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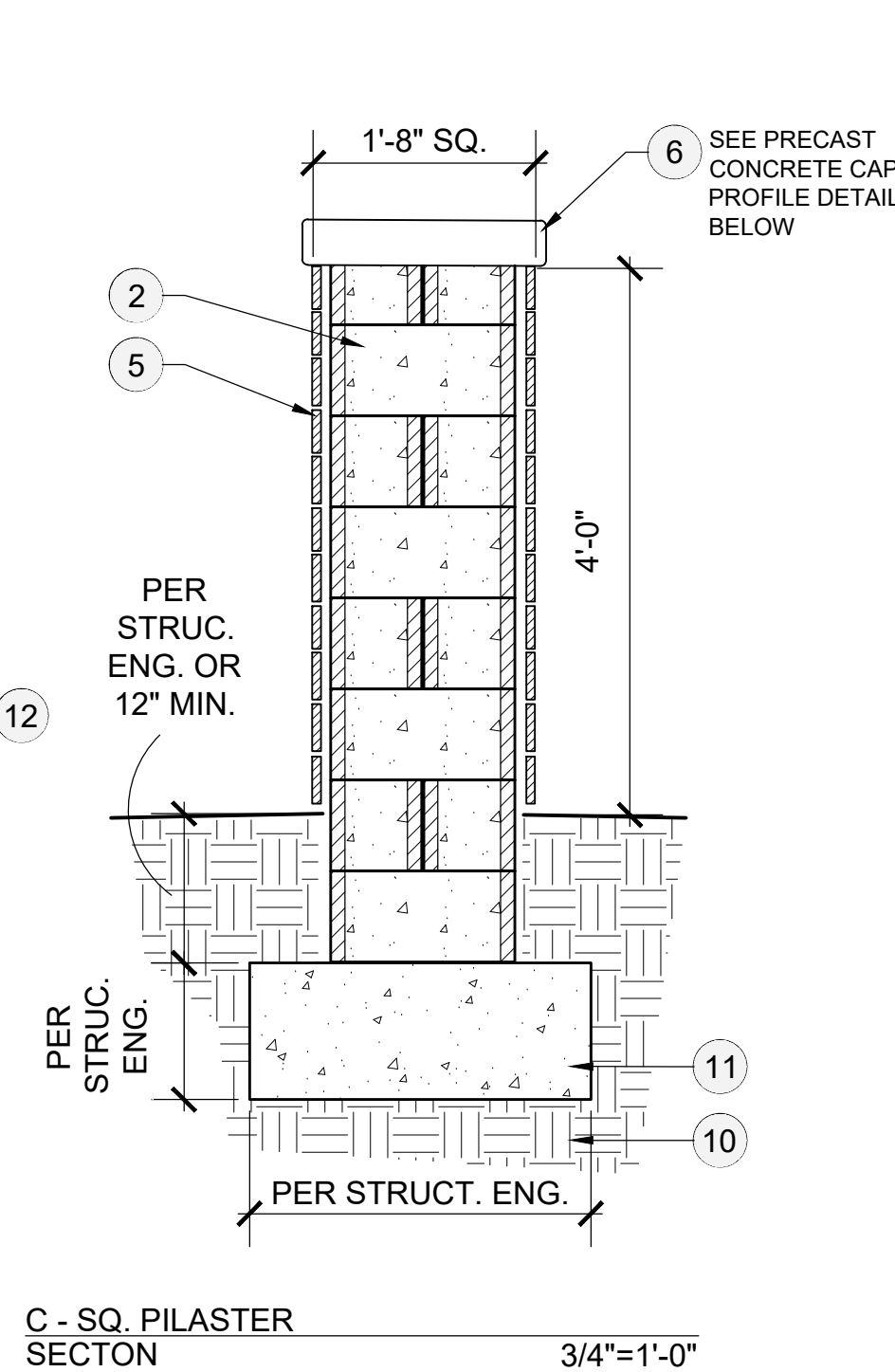


- LEGEND
- 1 HARDSCAPE VERTICAL SURFACE
  - 2 3/8" WIDE POLYURETHANE JOINT FILLER AND 2-PART POLYETHYLENE SEALANT TO MATCH ADJACENT PAVING COLOR, SAND WITH SILICA 60 SAND
  - 3 1/2" THICK ASPHALTIC FELT, SET 1" BELOW FINISH SURFACE TO RECEIVE SAW CUT JOINT AT CONSTRUCTION JOINT LOCATION.
  - 4 CONCRETE PAVING, SEE SEPARATE DETAIL AND GEOTECHNICAL REPORT
  - 5 COMPACTED BASE / RECOMPACTED SUB GRADE/ NATIVE SOIL PER GEOTECHNICAL REPORT
  - 6 3/16" WIDE SAW-CUT JOINT, 3/4" DEEP AT CONSTRUCTION JOINT, 1/3 THE THICKNESS OF PAVING ELSE WHERE.
  - 7 #3 BAR X 12" LENGTH DOWEL AT 16" O.C. PER GEOTECHNICAL REPORT

- CONCRETE SCORING / JOINT NOTES:
- THE JOINTS GRAPHICALLY SHOWN ON THIS PLAN INCLUDE ALL THREE TYPES OF JOINTS DESCRIBED BELOW:
- CONSTRUCTION JOINTS** - THESE JOINTS SHALL BE PLACED AT THE JUNCTURE OF TWO DIFFERENT PAVING TYPES. ADDITIONALLY, THIS JOINT WILL OCCUR WITHIN A SINGULAR PAVING TYPE AT THE LIMITS OF A CONCRETE PLACEMENT. THESE JOINTS REQUIRE DOWELS, AND WILL BE SAWCUT AT A CONSTANT WIDTH OF 3/16" TO MATCH THE CONTRACTION JOINT SAWCUTS.
  - ISOLATION JOINTS** - THESE JOINTS SEPARATE THE CONCRETE PAVEMENT FROM FIXED OBJECTS OR STRUCTURES. THESE FEATURES SUCH AS BUILDINGS, WALLS, COLUMNS, EMBEDDED SITE FURNISHINGS; LIGHT FIXTURES; STEPS AND ALL OTHER FIXED OBSTRUCTIONS.
  - CONTRACTION JOINTS** - THESE JOINTS ARE TO BE SAWCUT OR TOOLED AT A CONSTANT WIDTH OF 3/16", AND A MINIMUM DEPTH OF 1/3 THE THICKNESS OF THE CONCRETE SLAB.



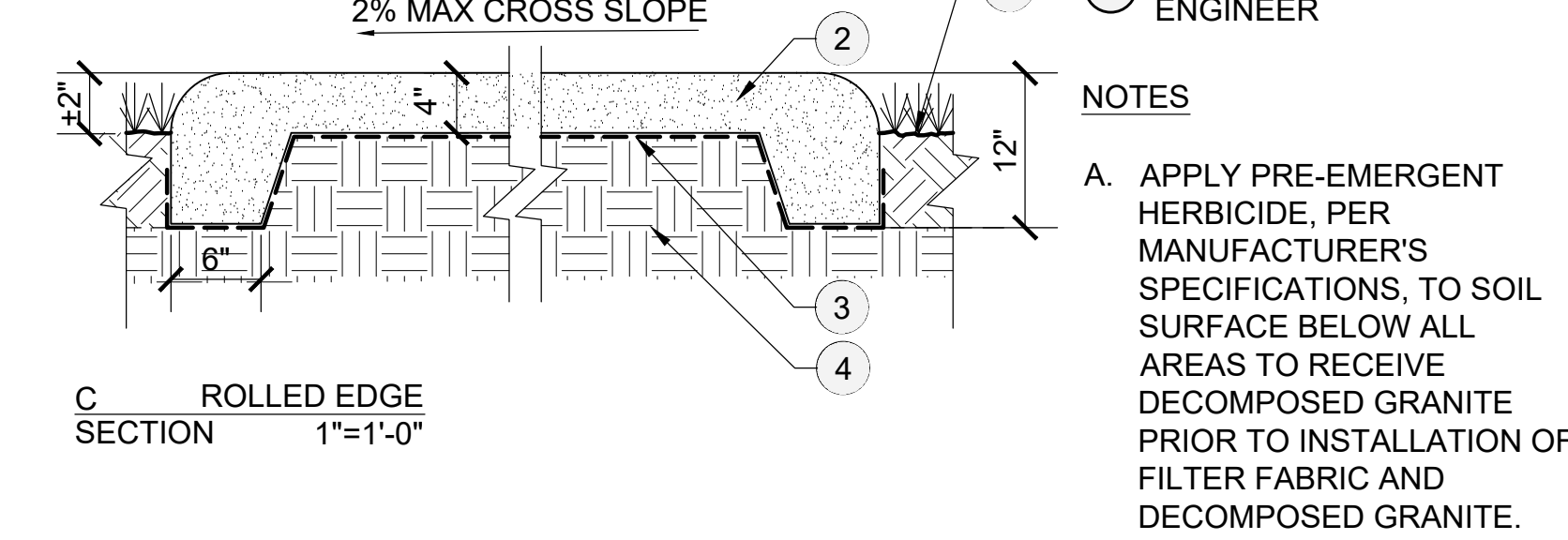
B - BLADE WALL  
SECTION  
3/4"=1'-0"



C - SQ. PILASTER  
SECTION  
3/4"=1'-0"

- LEGEND
- 8" X 10" X 16" CMU BLOCK WALL. SOLID GROUT ALL CELLS. REINFORCEMENT PER STRUCTURAL ENGINEERS PLAN SHEET S100 DETAIL 3.
  - 8" X 8" X 16" OR PILASTER CMU BLOCK. SOLID GROUT ALL CELLS. REINFORCEMENT PER STRUCTURAL ENGINEERS PLAN SHEET S100 DETAIL 3.
  - 8" X 6" X 16" CMU BLOCK WALL. SOLID GROUT ALL CELLS. REINFORCEMENT PER STRUCTURAL ENGINEERS PLAN SHEET S100 DETAIL 3.
  - PIN-ON FABRICATED LETTERS PER SIGNAGE CONSULTANT (SIGNAGE PACKAGE PER SEPARATE DEFERRED SUBMITTAL)
  - VENEER PER TO MATCH BUILDING - SEE ARCHITECTURAL PACKAGE FOR VENEER SPECIFICATION AND INSTALLATION DETAIL.
  - SQ. PRECAST CONCRETE PILASTER CAP PER DETAIL PROFILE AND CONSTRUCTION MATERIAL LEGEND. SLOPE TO SHED WATER AS SHOWN. MORTAR SET WITH DOWEL PINS ON TOP OF PILASTER.
  - PRECAST WALL CAP MATCHING PILASTER CAP PROFILE. SLOPE TO SHED WATER AS SHOWN. MORTAR SET WITH DOWEL PINS TO THE CMU BLOCK.
  - FINISH GRADE PER CIVIL ENGINEERS PRECISE GRADING PLANS
  - STUCCO FINISH WITH STUCCO CAP OVER THE TOP, SLOPE TO SHED WATER AS SHOWN.
  - COMPACTED BASE / SUBGRADE PER GEOTECHNICAL REPORT
  - CONCRETE FOOTING AND REINFORCEMENT PER STRUCTURAL PLAN SHEET S100 DETAIL 3.
  - UPLIGHT 18" TO 24" OFF SET FROM THE FRONT OF SIGN. LOCATIONS, SPECIFICATIONS AND INSTALLATION DETAILS PER ELECTRICAL ENGINEER'S LIGHTING PLAN.

C STABILIZED DECOMPOSED GRANITE



A AT HARDSCAPE  
SECTION  
1'=1'-0"

B AT CONC. EDGE  
SECTION  
1'=1'-0"

C ROLLED EDGE  
SECTION  
1'=1'-0"

- LEGEND
- 1 TOP OF ADJACENT CONCRETE PAVING/CURB TO BE 1" MAX. ABOVE DECOMPOSED GRANITE.
  - 2 DECOMPOSED GRANITE PAVING SEE CONST. LEGEND FOR COLOR AND FINISH. INSTALL PER MANUFACTURER'S SPECIFICATIONS. REFER TO CIVIL ENGS. FOR FINISH SURFACE ELEVATIONS.
  - 3 FILTER FABRIC, MIRAFI 140N, INSTALL PER MANUFACTURER SPECIFICATIONS; TURN UP 2" @ ALL EDGES.
  - 4 COMPACTED, PREPARED SUB-GRADE PER GEOTECHNICAL SOILS REPORT.
  - 5 FINISH GRADE PER CIVIL ENGINEER
- NOTES
- A. APPLY PRE-EMERGENT HERBICIDE, PER MANUFACTURER'S SPECIFICATIONS, TO SOIL SURFACE BELOW ALL AREAS TO RECEIVE DECOMPOSED GRANITE PRIOR TO INSTALLATION OF FILTER FABRIC AND DECOMPOSED GRANITE.

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT



Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY  
APPROVED BY KY  
CHECKED BY JS  
DATE 10/29/2025  
TITLE

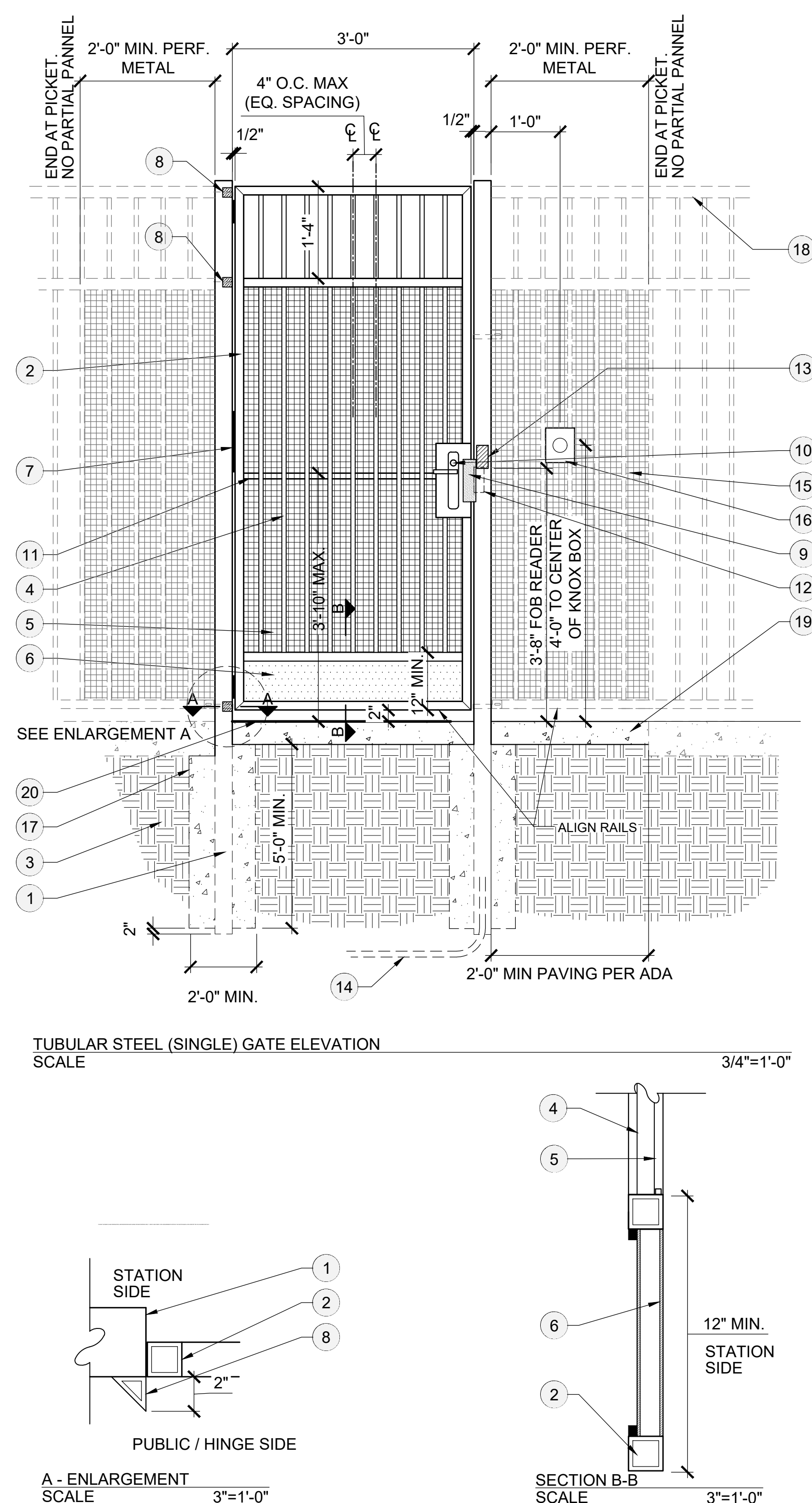
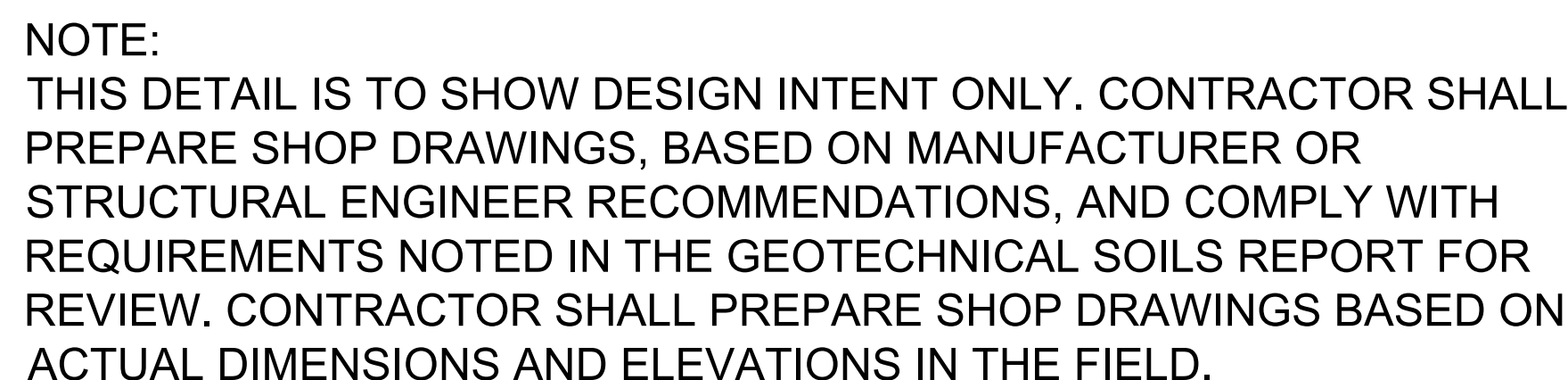
CONSTRUCTION  
DETAILS

PROJECT NO. 50184767  
LCS2025026

L2.401

SHEET NO.

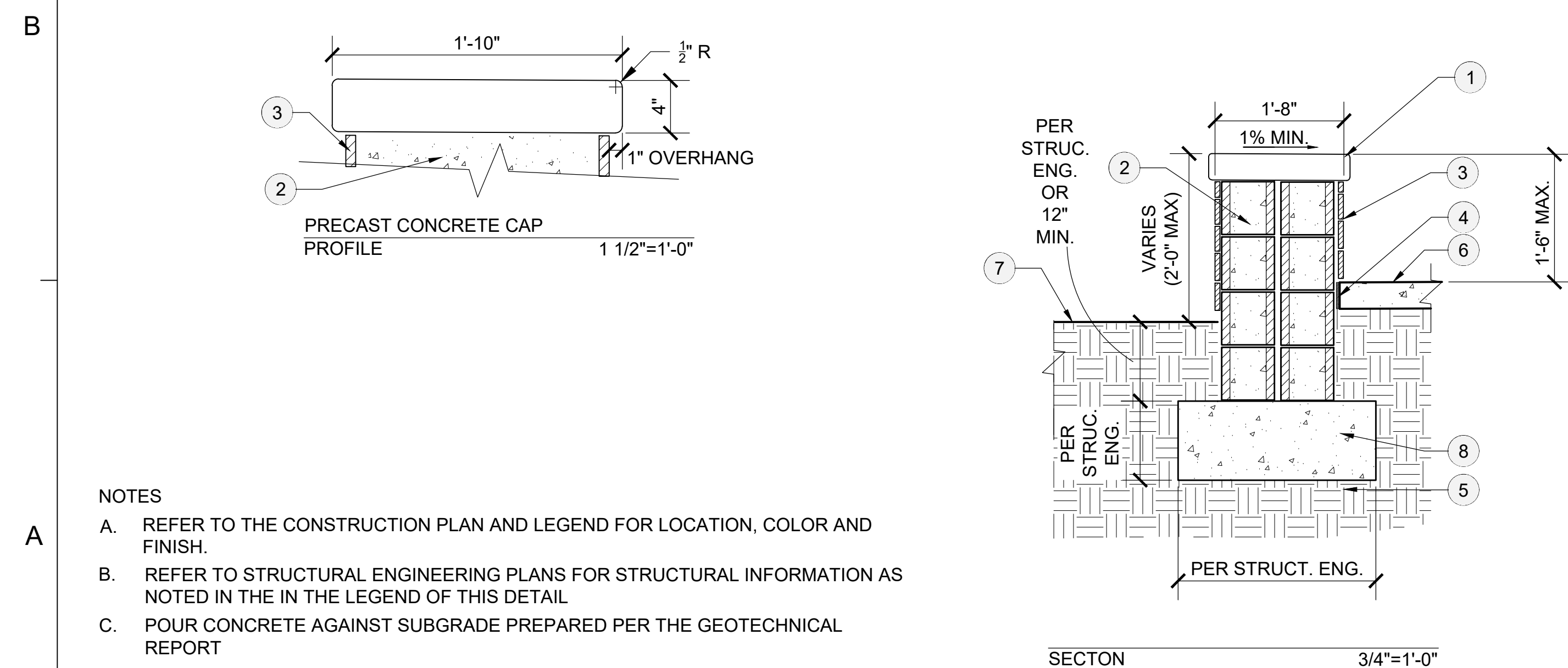




- LEGEND**
- ① 3" SQ. X 1/4" TUB. STEEL POSTS W/ SQ. END CAPS TO MATCH FINISH OF FENCE (WELDED).
  - ② 1-1/2" SQ. TUBULAR STEEL GATE FRAME AND MID RAIL. MITER CORNERS-FULL WELD.
  - ③ COMPACTED SUBGRADE PER GEO-TECHNICAL REPORT
  - ④ 3/4" SQ. 16 GA. TUB. STEEL PICKETS @ 4' O.C. MAX. WELD ALL AROUND TO RAILS.
  - ⑤ 1/2" OPENING GRID SCREEN DESIGN , MODEL #3709 BY DIAMOND PERFORATED METAL CO. W/ 1/4" SQ. SOLID BAR OR OWNER APPROVED EQUAL @ ALL EDGES ON POOL SIDE OF GATE.
  - ⑥ 11 GA. SOLID METAL PLATE. WHERE REQUIRED PER PLANS (PER A.D.A.) FLUSH ON POOL SIDE
  - ⑦ LOGINOX MAMMOTH180-9005 HYDRAULIC SELF CLOSING GATE HINGE OR OWNER APPROVED EQUAL. INSTALL PER MANUFACTURER SPEC.
  - ⑧ GATE STOPPER AT HINGE SIDE. FULL WELD TO POST, GRIND SMOOTH
  - ⑨ 1/4" THICK GATE STOP @ STRIKE. FULLY COVER THE STRIKE WHEN CLOSED. FULL WELD TO MORTISE LOCK DEVICE, GRIND SMOOTH. PROVIDE 1/2" RADIUS FOR EXPOSED CORNERS.
  - ⑩ VON DUPRIN #55 MORTISE LOCK DEVICE WITH #371L-NL LEVER - #06 STANDARD LEVER DESIGN OR OWNER APPROVED EQUAL.
  - ⑪ PANIC BAR. "VON DUPRIN" 55 SERIES COLOR TO MATCH GATE. OR OWNER APPROVED EQUAL.
  - ⑫ HESS 5000 SERIES STRIKE W/ #501 FACEPLATE OR OWNER APPROVED EQUAL. ALIGN WITH PANIC BAR. RECESS INTO POST (ELECTRIC STRIKE SUPPLIED AND INSTALLED BY SECURITY CONSULTANT)
  - ⑬ PROXIMITY READER PER SECURITY CONSULTANT
  - ⑭ 1/2" CONDUIT FOR ACCESS CONTROL SYSTEM. CONNECT TO SECURITY PULLBOX BY SECURITY CONSULTANT
  - ⑮ 1/2" OPENING GRID SCREEN DESIGN , INSTALL 24" MIN. PAST GATE ENTRY ELEMENTS. TERMINATE ON PICKET. MODEL #3709 BY DIAMOND PERFORATED METAL CO. W/ 1/4" SQ. SOLID BAR OR OWNER APPROVED EQUAL @ ALL EDGES ON POOL SIDE OF GATE.
  - ⑯ KNOX KEY BOX. RECESS MOUNT. INSTALL PER MANUF. RECOMMENDATIONS.
  - ⑰ CONCRETE FOOTING DIMENSIONS SUBJECT TO CHANGE PENDING FINAL GEOTECHNICAL REPORT RECOMMENDATION AND SHOP DRAWING REVIEW. CROWN 1" ABOVE FINISH GRADE.
  - ⑱ ADJACENT FENCE. REFER TO CONSTRUCTION PLAN AND LEGEND FOR SPEC.
  - ⑲ ADJACENT PAVING PER SEPARATE DETAIL
  - ⑳ FINISH GRADE/SURFACE.

NOTES

- A. POUR CONCRETE AGAINST SUBGRADE PREPARED PER GEOTECHNICAL REPORT
- B. SOIL PRE-SATURATION IS TO BE PER GEOTECHNICAL REPORT
- C. ALL WELDS SHALL BE 1/8" FILLET WELDS ALL AROUND. GRIND ALL WELDS SMOOTH.
- D. GATE SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES EXIST REQUIREMENT
- E. ALL TUB. STEEL AND METAL TO BE POWDER COATED WITH A ZINC RICH PRIMER
- F. ALL POSTS TO BE METALIZED TUBULAR STEEL PRIOR TO DELIVERY TO THE JOB SITE.
- G. CONTRACTOR TO PROVIDE SHOP DRAWINGS PRIOR TO FABRICATION.
- H. CONTRACTOR TO PROVIDE SUBMITTAL CUT SHEETS FOR ALL ELEMENTS, INCLUDING COLOR & FINISH OF MATERIAL PRIOR TO ORDERING
- I. THESE DETAIL DRAWINGS ARE FOR DESIGN INTENT ONLY. CONTRACTOR / FABRICATOR TO PROVIDE SHOP DRAWINGS FOR LANDSCAPE ARCHITECT / OWNER REVIEW AND APPROVAL. ALL MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPEC. LISTED ON THE APPROVED SHOP DRAWINGS.
- J. VERIFY ALL HARDWARE SPECIFICATIONS WITH SECURITY CONSULTANT REFER TO PLANS BY SECURITY CONSULTANT FOR ALL ACCESS ELEMENTS.
- K. FOOTING AND POST DIMENSIONS AND SIZING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY AND COMPLY WITH REQUIREMENTS NOTED IN THE GEOTECHNICAL SOILS REPORT OR STRUCTURAL PLAN.
- L. ALL LANDSCAPE CONSTRUCTION DETAILS CONTAINED HEREIN REFERENCE DESIGN INTENT, MATERIALS, COLORS, AND FINISHES ONLY.



- ## LEGEND
- 1 PRECAST CONCRETE WALL CAP PER DETAIL PROFILE AND CONST. MATERIALS LEGEND.
  - 2 8"X8"X16" PRECISION CONC. BLOCK GROUT SOLID ALL CELLS. REINFORCEMENT PER STRUCTURAL ENGINEERS PLAN SHEET S100 DETAIL 3.
  - 3 VENEER TO MATCH BUILDING, SEE CONSTRUCTION LEGEND AND NOTES.
  - 4 ISOLATION JOINT PER TYPICAL JOINT DETAIL
  - 5 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
  - 6 ADJACENT CONCRETE PAVING PER CONSTRUCTION PLAN
  - 7 FINISH GRADE PER CIVIL ENG. PLANS
  - 8 CONCRETE FOOTING AND REINFORCEMENT PER STRUCTURAL PLAN SHEET S100 DETAIL 3.

NOTE:  
THIS DETAIL IS TO SHOW DESIGN INTENT ONLY. CONTRACTOR SHALL  
PREPARE SHOP DRAWINGS, BASED ON MANUFACTURER OR  
STRUCTURAL ENGINEER RECOMMENDATIONS, AND COMPLY WITH  
REQUIREMENTS NOTED IN THE GEOTECHNICAL SOILS REPORT FOR  
REVIEW. CONTRACTOR SHALL PREPARE SHOP DRAWINGS BASED ON  
ACTUAL DIMENSIONS AND ELEVATIONS IN THE FIELD.

100% CONSTRUCTION DOCUMENT

SEAL



## KEY PLAN

SCALE

[illegible]

DRAWN BY	
APPROVED BY	KY
CHECKED BY	JS
DATE	10/29/2025
TITLE	

## CONSTRUCTION DETAILS

PROJECT NO.	50184767
	LCS2025

L2.402

SHEET NO.



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A VEHICULAR SLIDING GATE

A

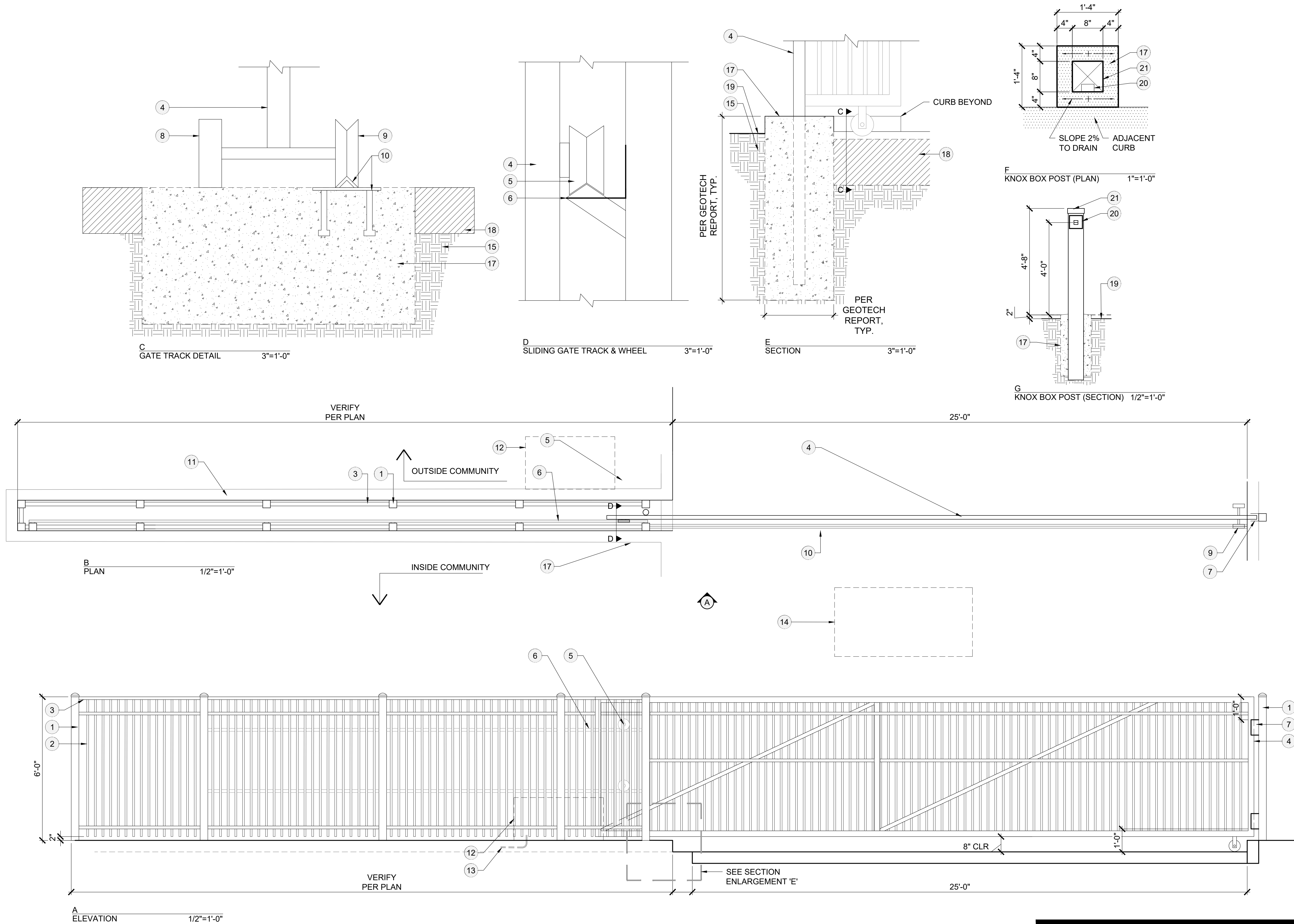
B

C

D

E

F



NOTE:  
THIS DETAIL IS TO SHOW DESIGN INTENT ONLY. CONTRACTOR SHALL PREPARE SHOP DRAWINGS, BASED ON THE MANUFACTURER OR THE GATE STRUCTURAL ENGINEER RECOMMENDATIONS, AND COMPLY WITH REQUIREMENTS NOTED IN THE GEOTECHNICAL SOILS REPORT. SHOP DRAWING SHALL BE REVIEW AND VERIFIED BY A STRUCTURAL ENGINEER, THE LANDSCAPE ARCHITECT AND THE OWNER PRIOR TO FABRICATION OF THE GATE. THE SHOP DRAWINGS SHALL BE BASED ON THE ACTUAL DIMENSIONS AND ELEVATIONS IN THE FIELD.

- LEGEND
- 3" SQ. POST. AND 4" SQ. POST AT GATE
  - 3/4" SQ. 14 GA @ 4" O.C. SQUARE PICKET
  - 1-1/2" SQ. RAIL
  - SLIDING SECURITY GATE W/ 2-1/2" SQ. FRAME, RAILS & BRACES @ GATE, ALL CONNECTIONS SHALL BE WELDED.
  - STEEL TRACK WHEEL W/ INDUSTRIAL BEARING TYP. OF (2) AT TOP & BOT. OR REAR GATE POST.
  - TRACK RAILING & SUPPORT AS REQ'D.
  - SLIDING SECURITY GATE RECEIVER
  - 6" SOLID RUBBER WHEEL W/ INDUSTRIAL BEARINGS
  - 6" SOLID V-GROUND STEEL WHEEL W/ INDUSTRIAL BEARING
  - CONT. TRACK ANGLE W/ STEEL PLATE. SET FLUSH.
  - 6" CURB OFFSET FOR SLIDING SECURITY GATE CLEARANCE. REFER TO GEOTECHNICAL REPORT FOR REINFORCEMENT RECOMMENDATIONS.
  - SLIDING SECURITY GATE OPERATOR PER ACCESS CONTROL CONSULTANT AND/OR GATE FABRICATOR. EQUIPMENT MUST COMPLY TO ALL UL 325 SAFETY STANDARDS.
  - LOW VOLTAGE CONDUIT. COORDINATE WITH SECURITY CONSULTANT/INSTALLER.
  - LOOP SENSORS PER ACCESS CONTROL CONSULTANT
  - COMPACTED SUBGRADE PER GEOTECHNICAL REPORT RECOMMENDATIONS
  - FINISH SURFACE PER CIVIL ENGINEER PLANS
  - CONCRETE FOOTING DESIGN SUBJECT TO CHANGE PENDING FINAL GEOTECHNICAL REPORT RECOMMENDATION AND SHOP DRAWING REVIEW. CROWN TO DRAIN AWAY FROM POST.
  - ADJACENT PAVING PER CIVIL ENGINEER PLANS
  - FINISH GRADE PER CIVIL ENGINEER PLANS
  - SURFACE MOUNT KNOX BOX CAP WELDED TO POST. COLOR TO MATCH GATE.
  - 8" X 8" X 3/8" TUB. STL. POST W/ STL. CAP. COLOR TO MATCH GATE.

- NOTES
- ALL TUBULAR STEEL TO BE PAINTED BLACK UNLESS OTHERWISE NOTED. REFER TO CONSTRUCTION SCHEDULE
  - POUR CONCRETE FOOTING AGAINST FIRM, UNDISTURBED SOIL OR PROPERLY RECOMPACTED FILL PER GEOTECHNICAL REPORT
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS PRIOR TO FABRICATION.
  - ANY DISCREPANCIES BETWEEN DETAILS SHALL BE BROUGHT UP IN WRITING TO THE OWNER'S ATTENTION PRIOR TO FABRICATION
  - CONTRACTOR TO VERIFY APPROVED PRECISE GRADING PLANS AND FIELD VERIFY STREET GRADING PRIOR TO PREPARING SHOP DRAWINGS. SHOP DRAWINGS TO REFLECT SITE SPECIFIC CURB GRADING CONDITION. CONTRACTOR TO ADJUST GATE DESIGN AS NEEDED TO ADAPT TO ELEVATION CHANGE BETWEEN THE TWO SIDES OF THE GATE.
  - PRIOR TO FABRICATION / INSTALLATION, CONTRACTOR TO COORDINATE WITH PROJECT SECURITY / ACCESS SYSTEM CONTRACTOR TO VERIFY GATE OPERATOR COMPATIBILITY WITH THE GATE DESIGN AND THE SITE SECURITY / ACCESS SYSTEM. NOTIFY OWNER / PROJECT DESIGN TEAM OF ANY ISSUES OR DISCREPANCIES.

**Dewberry**

Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

**LANDSCAPE CRAFT STUDIO Inc.**

CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL

KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_

APPROVED BY \_\_\_\_\_ KY

CHECKED BY \_\_\_\_\_ JS

DATE \_\_\_\_\_ 10/29/2025

TITLE

CONSTRUCTION DETAILS

PROJECT NO. \_\_\_\_\_ 50184767  
LCS2025026

L2.403

SHEET NO.

AGENCY SUBMITTAL #1 / OWNER REVIEW 10/29/2025



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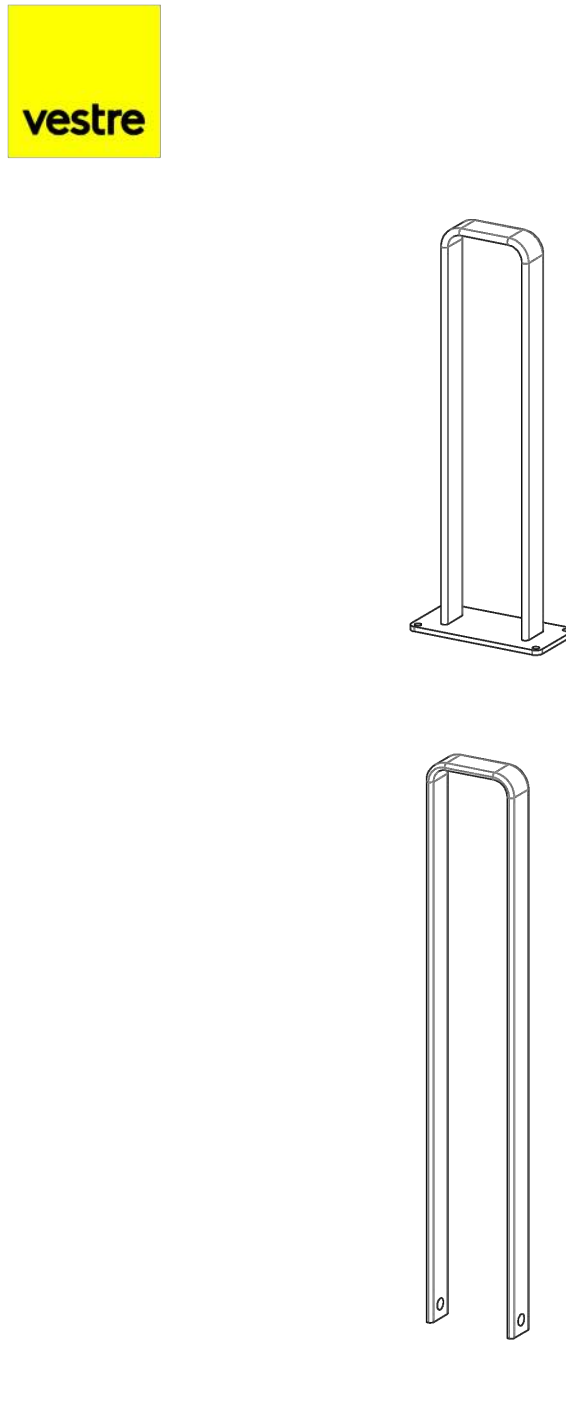
A

B

C

D

C BICYCLE RACK (FOR REFERENCE ONLY)



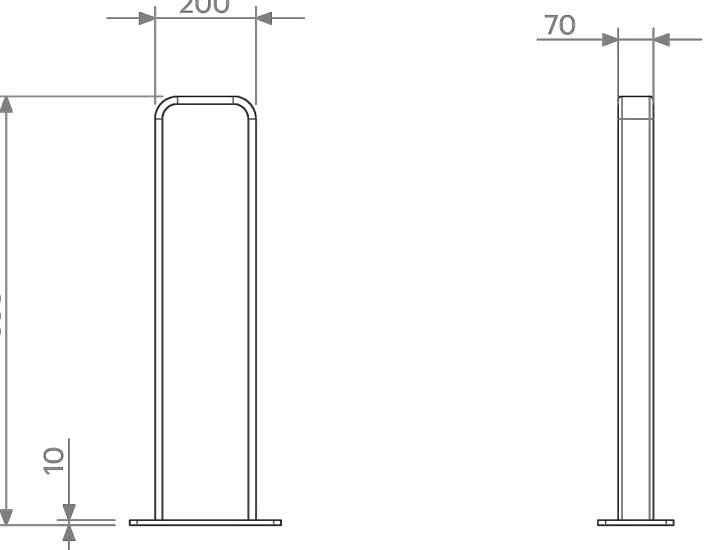
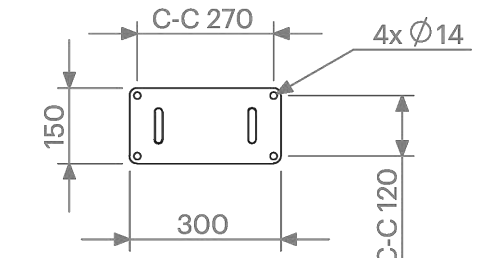
**vestre**

**Vroom**  
Bicycle rack  
Article no: 686A & 686C

www.vestre.com

6 Kg

686A - Baseplate



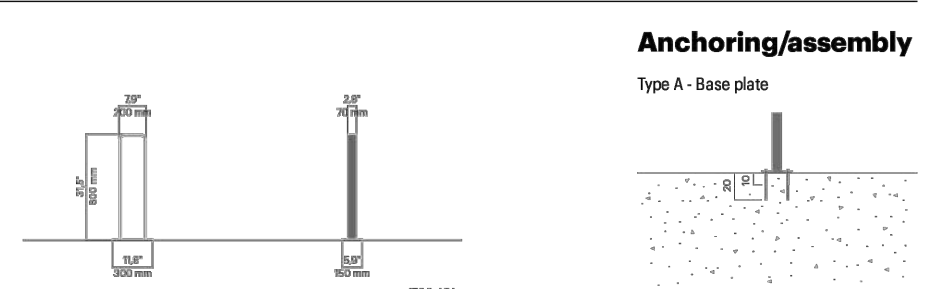
**Product sheet**

### VROOM bicycle rack

**686A**  
Designed by  
Tore Borgersen, Michael Olofsson, Espen Voll

Vroom bicycle rack comes in narrow and wide versions, and provides good support for two bicycles. It is made from extruded aluminum and has user-friendly rounded edges. The wide version can also be used as a tree guard.

**Anchoring/assembly**  
Type A - Base plate




**Primary material**  
Hot-dip galvanized steel  
All steel components are hot-dip galvanized, which provides a rust grey surface and a white, life-long lifetime and rust warranty. Consult your CA.

**Sustainability**

Indicators	Global average	Product average	Product score
GHG	14.12	10.1	5
Recycled content	10.1	10.1	100

**Certifications**



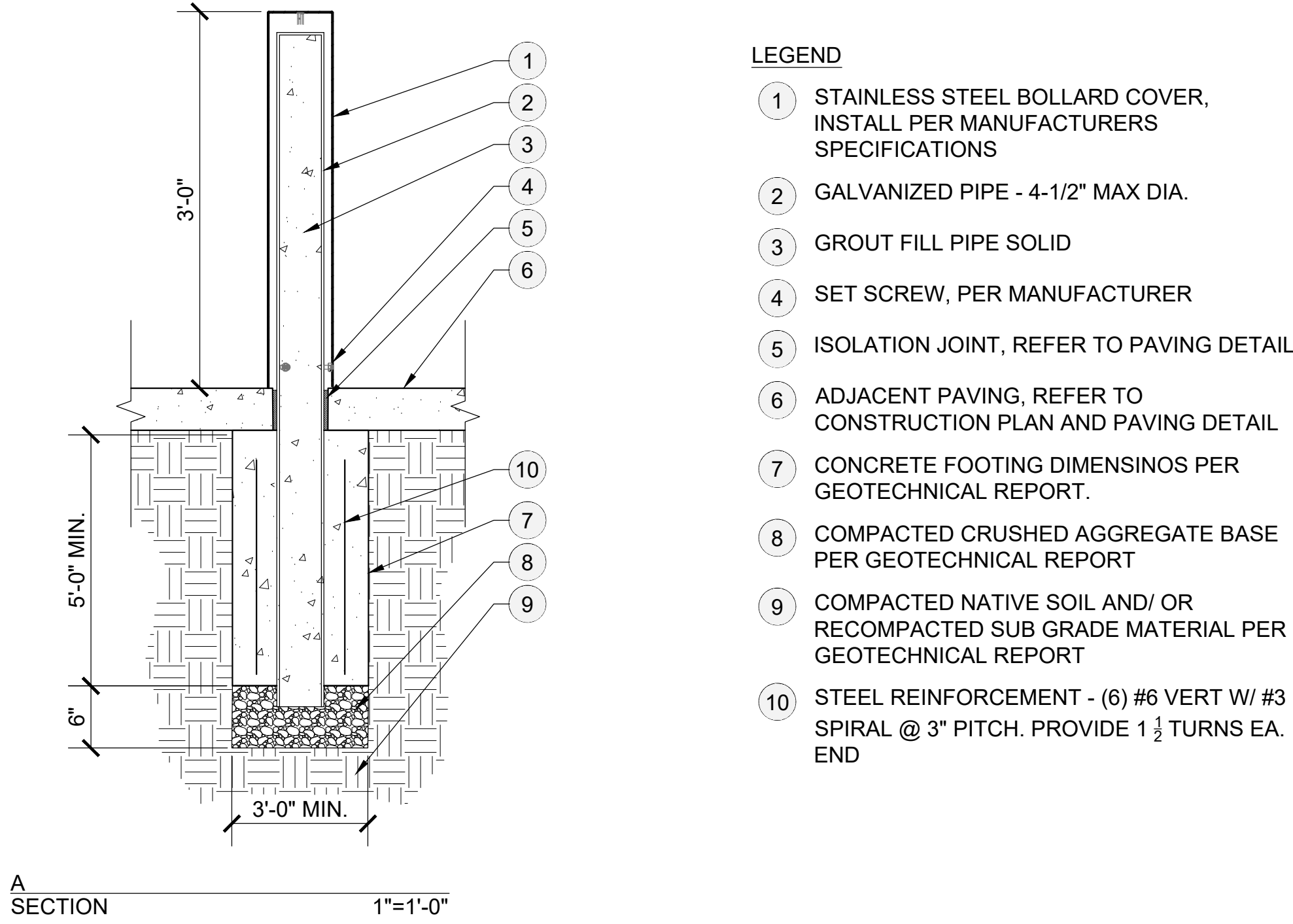
**Warranty**

- Lifetime warranty against rust
- 10 year warranty on powder coating
- 10 year warranty on wood
- Spare parts always available

Visit [www.vestre.com](http://www.vestre.com) for more information. Specifications are subject to change without notice.  
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Use at [vestre.com](http://vestre.com)  
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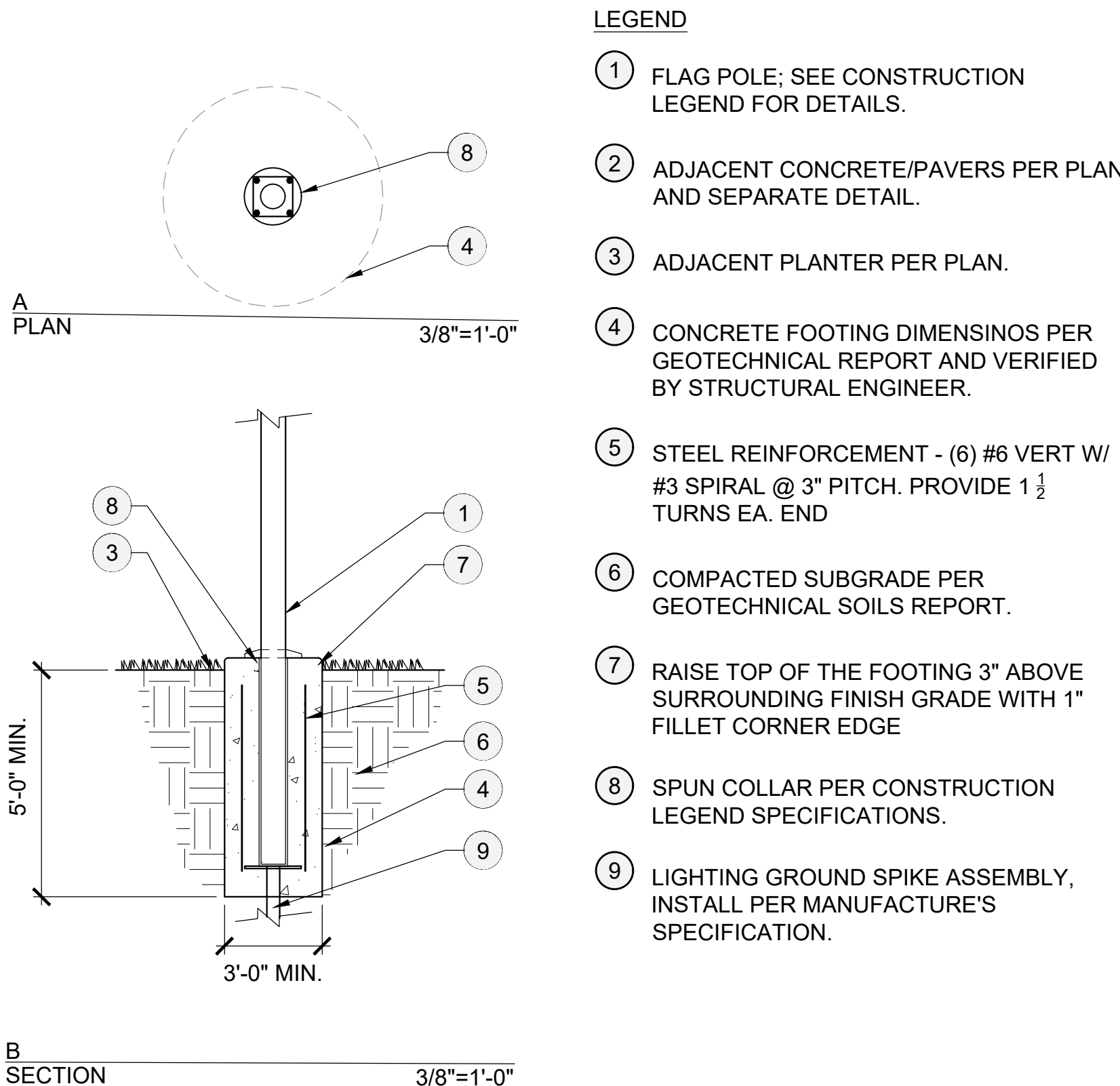
A BOLLARD



- LEGEND**
- 1 STAINLESS STEEL BOLLARD COVER, INSTALL PER MANUFACTURERS SPECIFICATIONS
  - 2 GALVANIZED PIPE - 4-1/2" MAX DIA.
  - 3 GROUT FILL PIPE SOLID
  - 4 SET SCREW, PER MANUFACTURER
  - 5 ISOLATION JOINT, REFER TO PAVING DETAIL
  - 6 ADJACENT PAVING, REFER TO CONSTRUCTION PLAN AND PAVING DETAIL
  - 7 CONCRETE FOOTING DIMENSINOS PER GEOTECHNICAL REPORT.
  - 8 COMPACTED CRUSHED AGGREGATE BASE PER GEOTECHNICAL REPORT
  - 9 COMPACTED NATIVE SOIL AND/ OR RECOMPACTED SUB GRADE MATERIAL PER GEOTECHNICAL REPORT
  - 10 STEEL REINFORCEMENT - (6) #6 VERT W/ #3 SPIRAL @ 3" PITCH. PROVIDE 1 1/2 TURNS EA. END

- NOTES**
- REFER TO THE CONSTRUCTION LEGEND FOR MATERIAL TYPES, COLORS AND FINISHES.
  - FOOTING AND POST DIMENSIONS AND SIZING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY AND COMPLY WITH REQUIREMENTS NOTED IN THE GEOTECHNICAL SOILS REPORT OR STRUCTURAL PLAN.
  - REFER TO GEOTECHNICAL REPORT FOR ALL SOIL COMPACTION AND SUBGRADE REQUIREMENTS.
  - REFER TO CIVIL ENGINEERING PLANS FOR ALL HORIZONTAL AND VERTICAL CONTROL STAKING OF PROPOSED FLATWORK, WALLS AND FOOTINGS.

B FLAG POLE



- LEGEND**
- 1 FLAG POLE; SEE CONSTRUCTION LEGEND FOR DETAILS.
  - 2 ADJACENT CONCRETE/PAVERS PER PLAN AND SEPARATE DETAIL.
  - 3 ADJACENT PLANTER PER PLAN.
  - 4 CONCRETE FOOTING DIMENSINOS PER GEOTECHNICAL REPORT AND VERIFIED BY STRUCTURAL ENGINEER.
  - 5 STEEL REINFORCEMENT - (6) #6 VERT W/ #3 SPIRAL @ 3" PITCH. PROVIDE 1 1/2 TURNS EA. END
  - 6 COMPACTED SUBGRADE PER GEOTECHNICAL SOILS REPORT.
  - 7 RAISE TOP OF THE FOOTING 3" ABOVE SURROUNDING FINISH GRADE WITH 1" FILLET CORNER EDGE
  - 8 SPUN COLLAR PER CONSTRUCTION LEGEND SPECIFICATIONS.
  - 9 LIGHTING GROUND SPIKE ASSEMBLY, INSTALL PER MANUFACTURE'S SPECIFICATION.

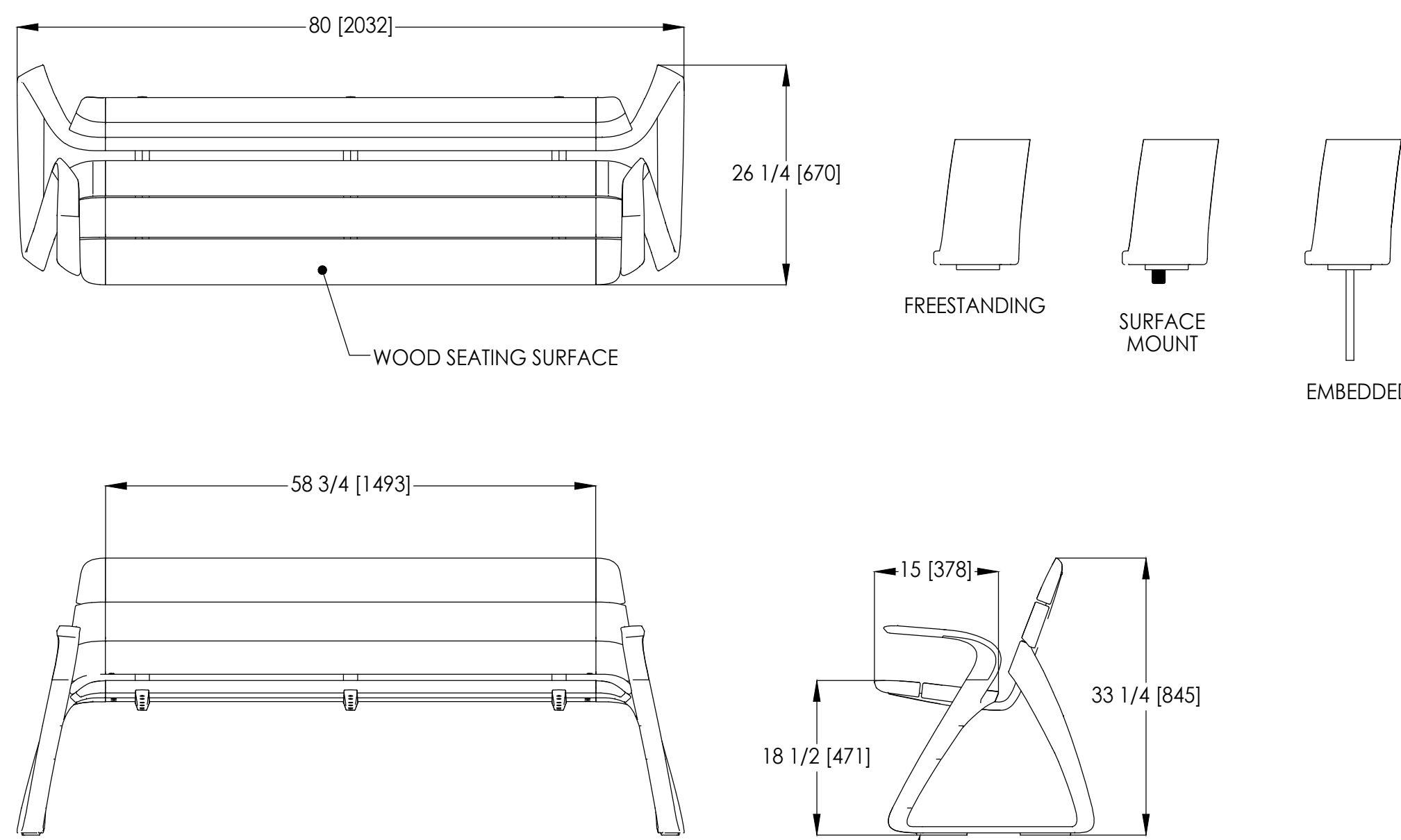
- NOTES**
- REFER TO THE CONSTRUCTION LEGEND FOR MATERIAL TYPES, COLORS AND FINISHES.
  - MANUFACTURER SPECS. SHALL TAKE PRECEDENCE IF THEY MEET OR EXCEED THIS DETAIL.
  - FOOTING DIMENSIONS AND SIZING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY AND COMPLY WITH REQUIREMENTS NOTED IN THE GEOTECHNICAL SOILS REPORT OR STRUCTURAL PLAN.
  - REFER TO GEOTECHNICAL REPORT FOR ALL SOIL COMPACTION AND SUBGRADE REQUIREMENTS.

D BENCH (FOR REFERENCE ONLY)

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CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
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100% CONSTRUCTION DOCUMENT



Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

**LANDSCAPE CRAFT STUDIO Inc.**

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ KY  
CHECKED BY \_\_\_\_\_ JS  
DATE \_\_\_\_\_ 10/29/2025  
TITLE

**CONSTRUCTION DETAILS**

PROJECT NO. 50184767  
LCS2025026

**L2.404**

SHEET NO.

AGENCY SUBMITTAL #1 / OWNER REVIEW 10/29/2025











7/16/2025 12:40:16 PM

A

B

Guarantee for Irrigation System

We hereby guarantee that the irrigation system we have furnished and installed for *Project Name*, is free from defects in materials and workmanship, and the work has been completed in accordance with the drawings and specifications, ordinary wear and tear and unusual abuse, or neglect expected. We agree to repair or replace any defects in material or workmanship which may develop during the period of one (1) year from date of acceptance and also to repair or replace any damage resulting from the repairing or replacing of such defects at no additional cost to the Owner. We shall make such repairs or replacements within a reasonable time, as determined by the Owner, after receipt of written notice. In the event of our failure to make such repairs or replacements within a reasonable time after receipt of such written notice from the Owner, we authorize them to proceed to have said repairs or replacements made at our expense and we will pay for the costs and charges therefor under demand.

Project Name: \_\_\_\_\_ Owner: \_\_\_\_\_

D

3. CONTROLLER CHARTS

- a. As-built drawings shall be provided by the Contractor prior to the preparation of the Controller Charts. As-builts shall be drawn on 3 mil sepiu mylar of same size as construction documents.
- b. The Contractor shall provide two 11 x 17 controller charts for each controller supplied, showing the area covered by the automatic controller.
- c. The chart shall be a reproduction of the as-built system drawing. If the controller sequence is not legible when the drawing is reduced, enlarge it to a size that will be readable when reduced.
- d. Charts shall be a photocopy print or computer plot with a different transparent color used to show area of coverage for each station.
- e. When completed and approved, hermetically seal the chart between two pieces of plastic, each piece being a minimum of 10 mils thick.

4. OPERATION AND MANUALS

- a. Prepare all required and necessary descriptive material in complete detail and sufficient quantity, properly prepared in two individually bound copies. Describe the material installed in sufficient detail to permit qualified maintenance personnel to understand, operate and maintain the equipment. Each manual shall include the following:
- Index sheet stating contractor's address and telephone number.
- Duration of guarantee period with guarantee forms.

5. SPARE PARTS AND EQUIPMENT

- a. Prepare and deliver to the Owner's Authorized representative, prior to the start of maintenance, all required spare parts, tools and equipment. Spare parts, tools, and equipment shall include the following per water meter.
1. Operation and maintenance manuals.
2. Two (2) keys for each automatic controller.
3. One (1) set of special tools required for removing, disassembling and adjusting each type of sprinkler and valve supplied on this project.
4. Color-coded controller charts laminated between 2 pieces of 10 mil plastic - Provide two charts for each controller.
5. "As-built" record drawings of irrigation plans.
6. Completed Irrigation Guarantee Statement.

6. QUALIFICATION OF IRRIGATION PERSONNEL

- A. Contractor and on site field superintendent shall have the following minimum qualifications:
1. Not less than five years continuous experience in installation of commercial irrigation systems.
2. Upon Owner's request, supply a list of references listing successfully completed commercial irrigation systems.

7. GUARANTEE

- a. Submit written guarantee, in approved form, that all work showing defects in materials or workmanship will be repaired or replaced at no cost to the Owner contracted with the Landscape Contractor for a period of one (1) year from date of acceptance by the Irrigation Consultant.
- b. The guarantee form shall be written onto the Contractor's letterhead and contain the following information. (Shown as an example only)

Guarantee for Irrigation System

We hereby guarantee that the irrigation system we have furnished and installed for *Project Name*, is free from defects in materials and workmanship, and the work has been completed in accordance with the drawings and specifications, ordinary wear and tear and unusual abuse, or neglect expected. We agree to repair or replace any defects in material or workmanship which may develop during the period of one (1) year from date of acceptance and also to repair or replace any damage resulting from the repairing or replacing of such defects at no additional cost to the Owner. We shall make such repairs or replacements within a reasonable time, as determined by the Owner, after receipt of written notice. In the event of our failure to make such repairs or replacements within a reasonable time after receipt of such written notice from the Owner, we authorize them to proceed to have said repairs or replacements made at our expense and we will pay for the costs and charges therefor under demand.

Project Name: \_\_\_\_\_ Owner: \_\_\_\_\_

A

C

IRRIGATION SYSTEM

1. GENERAL

- a. Permits: Contractor shall obtain and pay for all permits required for irrigation installation.
- b. Manufacturer's Directions: Manufacturer's directions and detailed drawings shall be followed in all cases where the manufacturers of articles used in this Contract furnish directions covering points not shown in the Drawings and Specifications.
- c. Ordinances and Regulations:
1. Comply with all local, municipal and state laws, rules and regulations.
2. Conform to applicable provisions of the latest editions of the Uniform Plumbing Code, the National Electric Code and all codes properly governing the materials and work at the project site.
- d. Explanation of Drawings:
1. Due to the scale of the Drawings, it is not possible to indicate all offsets, fittings, sleeves, etc., which may be required. The Contractor shall carefully investigate the structural and finished conditions affecting all of his work and plan his work accordingly, furnishing such fittings, etc., as may be required to meet such conditions. Drawings are generally diagrammatic and indicative of the work to be installed. The work shall be installed in such a manner as to avoid conflicts between the irrigation system, plumbing, underground utilities, above ground utilities and architectural features.
2. All work called for on the Drawings by notes or details shall be furnished and installed whether or not specifically mentioned in the Specifications.
3. The Contractor shall not willfully install the irrigation system as shown on the Drawings when it is obvious in the field that obstructions, grade differences, or discrepancies in area dimensions exist that might not have been considered in engineering. Such obstructions or differences should be brought to the attention of the Owner's Authorized Representative. In the event this notification is not performed, the Contractor shall assume full responsibility for any revision necessary.

2. AS BUILT DRAWINGS

- a. Record accurately on one set of black and white prints (irrigation drawings), all changes in work constituting departures from the original contract drawings. Include changes in both pressure and non-pressure lines.
- b. Upon completion of each increment of work, transfer all such information and dimensions to the prints. Record changes and dimensions in a legible and professional manner. When the drawings are approved, the Contractor shall perform all final as-built drawings.
- c. Dimension from two permanent points of reference (monuments, sidewalks, curbs, pavement). Record information on as-built drawings day-to-day as the work is installed. All dimensions noted on the drawings shall be 1/4 inch in size.
- d. Show dimensional locations and depths of the following:
1. Connection to existing water lines.
2. Connection to existing electrical power.
3. Point of connection - including backflow assembly, basket strainer, master valve, flow sensor
4. Isolation valves.
5. Routing of sprinkler pressure lines (dimension max. 100' along routing and at each change of direction).
6. Electric control valves.
7. Routing of control wiring and flow sensor cable.
8. Quick coupling valves.
9. Sleeves and wire splice boxes
10. Other related equipment as directed by the Owner's Authorized Representative.
- e. Maintain as-built drawings on site at all times

E

Landscape Architect: \_\_\_\_\_

Tract Number(s) \_\_\_\_\_ Lot Number(s) \_\_\_\_\_

Signed: \_\_\_\_\_ Title: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

Date of Signature: \_\_\_\_\_

PRODUCTS

1. GENERAL PIPING

- a. Contractor shall be aware of sources of water for each water meter as they may vary within the same project. Differing sources of water may be treated with colored piping system.
- b. Domestic water pipe (Pressurized mainline and laterals) shall be extended of an improved P. V. C. virgin pipe compound featuring high impact strength. Confirm to ASTM D-1784 or D-2241 to meet the requirements of cell classification 12454B for pipe. Compound shall have a 2,000 P.S.I. hydrostatic design stress rating. Pipe shall be white in color.
- c. Ultra-Violet Resistant (UVR) pipe shall be extended of an improved PVC. virgin pipe compound featuring high impact strength. Confirm to ASTM D-1784 or D-2241 to meet the requirements of cell classification 12454B for pipe. Compound shall have a 2,000 P.S.I. hydrostatic design stress rating.
- d. UVR water pipe shall be manufactured using ASTM G-53 testing for accelerated weathering to resist weakening or corrosion by ultra-violet radiation. Pipe shall be brown colored. UVR water pipe shall use Sch. 40 PVC. fittings manufactured of the same material or process as the UVR pipe on which they are used.

Type: Pipe: Pacific Plastics, or approved equal

e. Pipe materials shall be used as follows:

1. Mainlines (pressurized) 1-1/2 inch and smaller downstream of backflow unit: Schedule 40 solvent-weld PVC, unless otherwise noted.
2. Mainlines (pressurized) 2 inch through 3 inch downstream of backflow unit: Class 315 solvent-weld PVC, unless otherwise noted.
3. Lateral/riser Schedule 40 PVC solvent-weld PVC, 3/4 inch and above unless otherwise noted

2. PLASTIC PIPE FITTINGS

- a. Solvent weld pipe, extended of an improved PVC. virgin pipe compound featuring high impact strength. Confirm to ASTM D-1784 or D-2241 to meet the requirements of cell classification 12454B for pipe. Compound shall have a 2,000 P.S.I. hydrostatic design stress rating.
- b. All pipe and fittings shall bear the following markings: Manufacturer's name, nominal pipe size, schedule or class, pressure rating P.S.I., NSF, and date of extrusion.
- c. Make solvent cement joints for plastic pipe and fittings as prescribed by the manufacturer and shall be low-volatile.
- d. All PVC fittings shall be Schedule 40 PVC, and shall be injection molded of an approved PVC. fitting compound featuring high tensile strength, high chemical resistance, and high impact strength. Fittings shall conform to ASTM D-1784, and meet the requirements of cell classification 12454B. Where threads are required in plastic fittings, these shall be injection molded also.
- Type: Spears or approved equal
- e. All threaded nipples shall be standard weight Schedule 80, with molded threads.
- f. Nipples on pressurized mainline shall be Sch. 80 Thread One End (T.O.E.) with the threaded side attached to the FIPPT device and the SLP end attached to the pressure mainline with a SLP coupling.
- g. Use 3/4 inch size Teflon tape on all threaded ends.

3. COPPER PIPE AND FITTINGS

- a. Copper Pipe shall be Type K, hot tempered, ASTM B88, with fittings of wrought solder joint type in accordance with ANSI B16.22.
- b. Solder joints with silver solder: 45 percent silver, 15 percent copper, 16 percent zinc, 24 percent cadmium and soldus at 1125 degrees F, and liquids at 1145 degrees F., conforming to ASTM B208 and PS QQB-655C.
4. BRASS PIPE FITTINGS
- a. Brass pipe shall be 85 percent red brass, American National Standard Institute (ANSI), Schedule 40 screwed pipe.
- b. Fittings shall be medium brass, screwed, 125 pound class.
5. GALVANIZED STEEL PIPE & FITTINGS
- a. Galvanized steel pipe shall be hot dip galvanized Schedule 40 screwed pipe.
- b. Fittings shall be hot dip galvanized Schedule 40, screwed.
- c. All galvanized pipe and fittings installed below grade shall be painted with two (2) coats of Koppers #50 bitumastic.

6. SHUT OFF VALVES

- a. Shut off valves shall be of the brand, size and type indicated on the irrigation plans.

7. QUICK COUPLING VALVES

- a. Quick coupling valves shall be of the brand, size and type indicated on the irrigation plans.
- b. Quick coupling valve shall have a body constructed of red brass with a wall thickness guaranteed to withstand normal working pressure of 150 P.S.I. without leakage, with female threads opening at base.
- c. Quick coupling valve shall have a hinge cover constructed of red brass with a leather like vinyl cover bonded to it in a permanent type of cover.
- d. Quick couplers used with potable water shall have vinyl covers yellow in color.
- e. Quick coupling valve shall be operated only with quick coupler key, designed for that purpose. Quick coupler key is inserted into the valve and a positive, water-tight connection shall be made between coupler key and valve.
- f. Locate all quick coupling valves within 12 - 18 inch of walls, curbs, header boards, or paved areas where applicable. Locate quick coupling valves inside shrub and ground cover areas when ever possible. Quick coupling valves shall be installed such that valve top will be 3 inch below the lid of the valve box.

8. REMOTE CONTROL VALVES

- a. Remote control valves shall be of the brand, size and type indicated on the irrigation plans.
- b. The remote control valve shall be normally closed 24 VAC solenoid actuated globe pattern, spring loaded diaphragm type.
- c. The valve shall be pressure rated up to 200 P.S.I.
- d. The valve shall have a 600 pound test fabric reinforced rubber diaphragm assembly with self-cleaning stainless steel screen.
- e. The body and bonnet shall be plastic and the valve shall have a stainless steel control / shut off stem and manual operator.
- f. The valve shall provide for all internal parts to be removable from the top without disturbing the valve installation.
- g. Install valves in planting areas and according to the construction details. Only one valve per box will be allowed.
- h. Align valve boxes at right angles to adjacent landscape whenever possible. Where several valve boxes are located in the same area, arrange them in a uniform and orderly fashion.
- i. When grouped together, allow a minimum of 12 inches between valves. The valves shall be installed in valve boxes which will have enough room on all sides of the valves to allow repair personnel to completely reconstruct the valves without removing the valve box.

9. CONTROLLER SATELLITES

- a. All materials furnished and installed shall be new and shall conform to manufacturer's installation instructions and these specifications.
- b. Controllers shall be of the brand, size and type indicated on the irrigation plans.

10. WIRE SPLICES

- a. Conductors shall be installed with no underground splices, unless absolutely necessary and unavoidable. Any and all underground splices that are required to be made, must be approved by the Irrigation Consultant, and shall be placed in a suitable type valve box for easy access.
- b. All wire splice boxes shall be noted on the irrigation as-built drawings.

11. LOW VOLTAGE CONTROL WIRING

- a. Connections between the controller and remote control valves shall be made with direct burial UF type wire, installed in accordance with valve manufacturer's wire chart and specifications.
- b. Wire shall be soft annealed tin coated solid copper conforming to ASTM B-33.
- c. Wire shield shall be Polyvinyl chloride, 60 C rated conforming to UL Standards 493 and 83.
- d. Shield shall be surface marked with Purple-Electric, voltage rating, size and type, and UL file number
- e. All cables shall be tested physically and electrically in accordance with UL Standard 493, and 83 (paragraphs 28.1, 29.1 and 29.2). All reels and cartons shall bear UL labels
- f. Wiring shall be installed adjacent to the mainline whenever possible and shall never be installed above or below the pipe.
- g. Where more than one wire is placed in a trench, the wiring shall be taped together using black electrical tape at intervals of 10 feet.

- h. All splices shall be made using sealed waterproof connectors.
- i. All two wire cable shall be installed in 1/2" grey conduit piping with sweeps.
- j. All wire splices shall have two (2) foot expansion loop shall.
- k. Sizing of the lead wire shall be in accordance with irrigation drawings and manufacturer's recommendations, in no case shall the thickness of the wire be less than #14 AWG.
- l. Use continuous wire between controller and remote control valves. Under no circumstances shall splices exist without prior approval. Any splices allowed shall be installed in a labeled pull box.
- m. All control wires shall be uniform in color. When more than one controller is installed use a different color wire for each controller.
12. VALVE BOXES
- a. Valve boxes shall be used as durable, rigid enclosures for valves or other irrigation system components requiring subsurface protection for installation or maintenance.
- b. The valve box shall be made of structural foam HDPE resin that is resistant to UV light, weather, moisture, and chemical action of soils.
- c. The standard rectangular body shall have knock-outs molded into the sides that can be readily removed. The knock-outs shall remain an integral part of the body unless removed to run pipes or wires through the valve box.
- d. The valve box shall have comigated sides.
- e. Rectangular valve boxes shall have a grooved feature on one side, just below the lid at the top of the box, for inserting a shovel blade or other prying tool to provide easy lid removal. This is useful following compaction of the surrounding soil or after the eventual accumulation of flush over the valve box.
- f. There shall be no hole in the valve box lid unless the bolt-hole knock-out is removed in order to use the locking bolt. Lids shall have beveled edges to minimize potential damage from lawn equipment.
- g. Lids shall be clearly marked with the words "Irrigation Control Valve" molded onto the top. Lids shall have a molding area measuring at least 4 inch by 2 inch that is suitable for branding or other means of identification.
- h. The locking bolt, washer, and clip shall be made of stainless steel.
- i. Valve box types and sizes shall be furnished and installed per the irrigation legends and details.
- j. Valve boxes and covers shall be green in color.
- k. Identification letters or numbers shall be 2 inch high and heat branded onto the box cover. Identification shall be as indicated on the detail drawings.
- l. Heat branding shall be accomplished using branding irons specifically designed for this purpose. Heat branding shall not weaken or in any way puncture the valve box cover.

13. SPRINKLER HEADS

- a. Full circle, part circle pressure regulating spray heads and built in check valve sprinkler heads:
1. The sprinkler body, stem nozzle and screen shall be constructed of heavy duty plastic.
2. The sealing device shall create no more than one (1) PSI pressure drop at maximum rated pressure and flow.
3. The sprinkler shall have a strong stainless steel retract spring for positive pop-down. Pop up height shall be as indicated on the irrigation drawings and no less than 6 inches.
4. The sprinkler shall have a screen under the nozzle to protect it from clogging and for easy removal for cleaning and flushing system.
5. The sprinkler shall be equipped with a built in pressure regulating device capable of regulating an inlet pressure of 35 - 70 PSI to 30 PSI for proper operation of the spray head. The pressure regulating device shall be constructed of stainless steel springs and heavy duty plastic parts.
6. Pop up sprinklers shall be equipped with a built in anti-drain valve capable of holding water within the sprinkler head from up to 8 feet of elevation change. The check valve equipped pop-up sprinkler shall be identified on the cap as being so equipped.
7. The sprinkler shall have a matched precipitation rate (MPR) plastic nozzle with an adjusting screw capable of regulating the radius and flow.
8. MPR nozzles - The plastic nozzles shall have matched precipitation rates across sets (8 foot, 10 feet, 12 feet, 15 feet). The spray nozzles shall have female thread configuration for use on the 1800 series sprinkler and the PA-85 plastic shaft adapter.
9. Rotary Nozzles shall have multiple arced streams and have a matched precipitation rate of 0.60 inch. The Rotary Nozzle shall be constructed of UV-resistant plastic. The radius adjustment screw shall be of stainless steel.
10. The Rotary Nozzles shall include a removable .002 - .002 mesh screen to protect the nozzle against clogging. The Rotary Nozzle shall have a precipitation rate matched with Rain Bird 5000/5000 Plus MPR Rotor Nozzles.

Type: Pop-up: Rain Bird RD-PRS series

14. Sub-Surface Drip Irrigation System

- a. Drip tubing shall be of nominal sized one-half inch low density, ultra-violet-resistant, linear polyethylene tubing with internal pressure-compensating, self cleaning, integral drippers with check valve feature at a specified interval. The low volume tubing shall be capable of a discharge rate of 0.60 gallons per hour (GPH) between operating pressures of 7 to 70 psi for each individual dripper.
- b. The individual self-cleaning, pressure-compensating, check valve type drippers shall be welded to the inside of the tubing wall.
- c. Dripper spacing shall be 12 inch on center.
- d. All insert barbed fittings shall be constructed of molded, ultra-violet-resistant, brown colored plastic having a nominal inside dimension (I.D.) of 0.57 inch (17 mm). Each fitting shall have a minimum of two ridges or barbs per outlet. All fittings shall be Rain Bird and shall be available in one of the following end configuration:
1. barbed insert fittings.
2. male pipe threads (MPT) with barbed insert fittings or female pipe threads (FPT) with barbed insert fittings.
- e. The check valve feature of the inline tubing shall be capable of holding 5 feet of water due to elevation change in the tubing layout. Tubing exceeding 5 feet in elevation change will require a separate headwater supply line with an independent inline check valve to ensure drainage of the system does not occur after valve operation is completed.
- f. Non-pressure supply and exhaust headers shall be rigid, un-plasticized polyvinyl chloride PVC 1220, (Type 1, Grade 2), schedule 40 with schedule 40 PVC.

15. CHECK VALVES

- a. Provide check valves and/or anti-drain valves as may be required by the Irrigation Consultant to prevent drainage of irrigation water from sprinkler system due to changes in elevation.
- b. Anti-drain valves shall be of heavy duty virgin PVC construction with F.I.P. thread inlet and outlet. Internal parts shall be stainless steel and neoprene. Anti-drain valve shall be field adjustable against drawout from 4 to 32 feet of head.

16. MISCELLANEOUS EQUIPMENT

- a. Gravel: All gravel used in valve boxes shall be washed crushed gravel of approximately 3/4 inch size. No pea gravel shall be used.
- b. Identification tags with numbers are required on all valves.
- Type: Christy Tags (yellow background with black lettering)
- c. Swing Joint Assemblies: All sprinklers shall be installed with triple swing joints. Assembly shall be sized per the sprinkler inlet, with a 6 inch minimum lay length. 1/2 inch swing joints shall be made with maxtek street elbows. 3/4 inch and larger swing joints shall be made with Sch. 40 PVC street elbows.

EXECUTION

1. INSPECTION SCHEDULE
- a. Contractor is responsible for notifying the Irrigation Consultant 48 hours in advance for on-site meetings and observations.
- b. As-built drawings must be submitted to the Irrigation Consultant for approval prior to site inspection; no inspection will commence without as-built drawing approval.
- c. When performing the irrigation coverage test, the contractor shall be responsible for having a two-way communication system or sufficient personnel, so that the directions from the inspection area to the controller of the system can be readily accomplished.
2. WATER SUPPLY
- a. Utilize water meter and provide connections to backflow prevention unit per the irrigation drawings and details.
- b. Connections to the existing water meter shall be at the approximate locations shown on the drawings. Minor changes caused by actual site conditions shall be made without additional cost to Owner.
- c. Any R.P.P. backflow prevention unit shall be tested by a certified backflow prevention technician and its operation certified in writing. Landscape Contractor is to arrange and pay for all testing and certification fees. The original written certification of the backflow prevention unit is to be submitted to the Irrigation Consultant.

END OF SECTION



Dewberry Architects Inc.

8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

LANDSCAPE  
CRAFT STUDIO inc.

CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL

KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_

APPROVED BY \_\_\_\_\_

CHECKED BY \_\_\_\_\_

DATE 10/29/2025

TITLE

IRRIGATION  
SPECIFICATIONS

PROJECT NO. 50184767

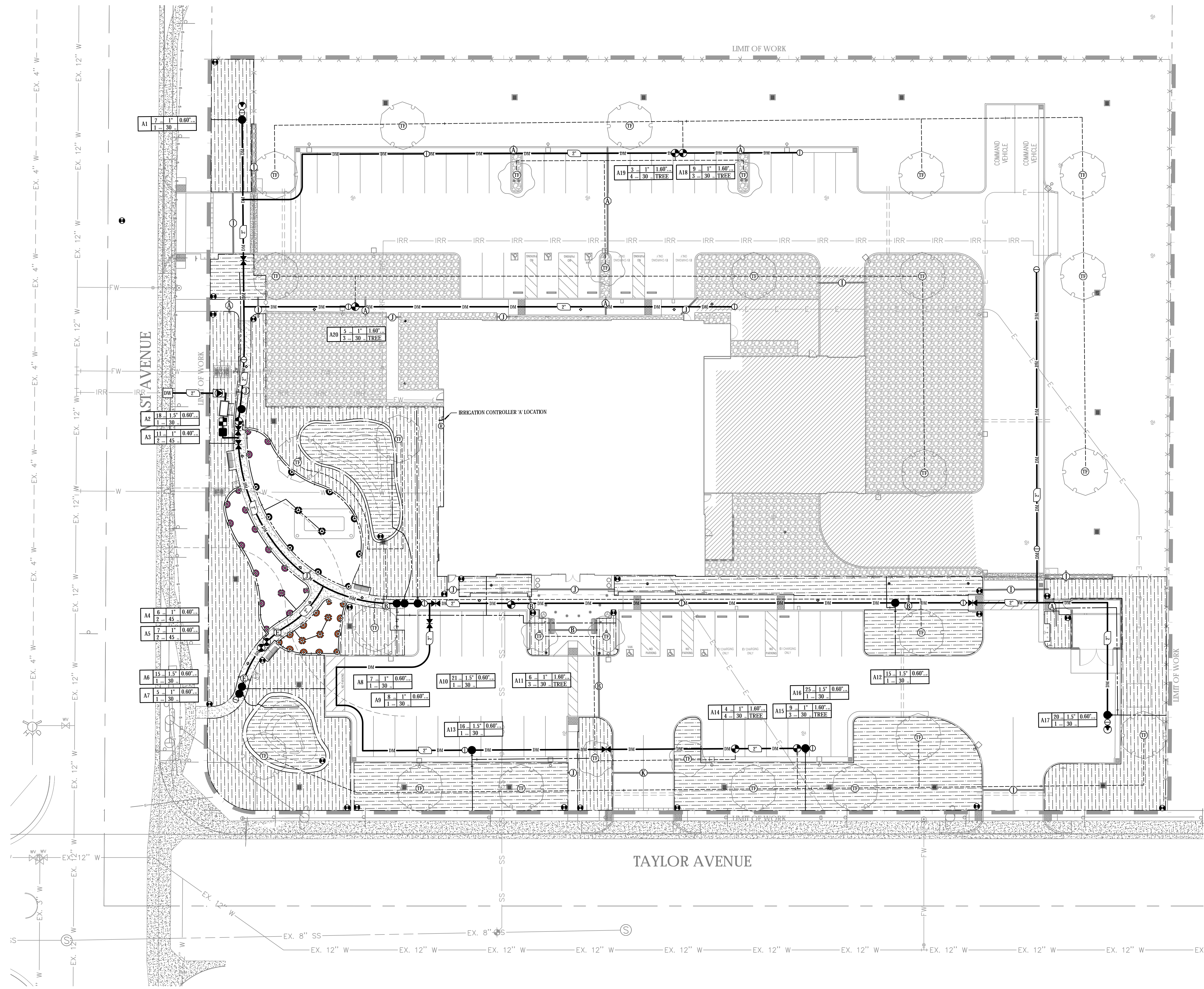
L3.002

SHEET NO.



1 2 3 4 5 6

F  
E  
D  
C  
B  
A



LATERAL PIPE SIZING LEGEND	
1/2\" PIPE PROHIBITED	
	3/4\" MINIMUM
	1"
	1-1/4"
	1-1/2"
	2"
	2-1/2"
	3"

SLEEVE SIZING LEGEND	
REFER TO IRRIGATION LEGEND FOR SLEEVE SPECIFICATION AND DETAIL FOR BURIAL REQUIREMENTS.	
	(2) 2"
	(3) 2"
	(4) 2"
	(2) 3"
	(3) 3"
	(4) 3"
	(2) 4"
	(3) 4"
	(4) 4"
	(5) 4"
	(1) 6" + (2) 4"
	(1) 6" + (3) 4"
	(1) 6" + (4) 4"
GALVANIZED SLEEVE MINIMUM 2X DIAMETER OF PIPE OVER V-DITCH	



- SLEEVING NOTES**
- SLEEVES TO BE MINIMUM TWICE THE DIAMETER OF THE PIPE SLEEVED.
  - REFER TO LEGEND FOR SLEEVE SPECIFICATION AND PLAN FOR SLEEVE SIZE MATRIX.
  - IRRIGATION PIPE AND WIRE / CONDUIT SHALL BE SLEEVED UNDER PAVING.
  - PRESSURE MAINLINE SLEEVES SHALL BE ACCOMPANIED WITH A MINIMUM 2\" WIRE / CONDUIT SLEEVE.
  - SEAL ALL SLEEVE ENDS TO PROHIBIT SOIL FROM ENTERING THE BURIED SLEEVE.
  - SLEEVES TO EXTEND MINIMUM 12\" BEYOND PAVING.
  - IRRIGATION CONTRACTOR TO COORDINATE SLEEVING WITH THE LANDSCAPE CONTRACTOR AND SITE SUPERINTENDENT PRIOR TO INSTALLATION OF ANY HARDSCAPE.

- TWO-WIRE CABLE NOTE**
- TWO-WIRE CABLE SHALL BE INSTALLED IN 1-1/4\" PVC CONDUIT WITH SWEEPS IN AND OUT OF EACH SURGE ARRESTOR AND CONTROL VALVE BOX
  - CONDUIT TO EXTEND 4\" ABOVE GRAVEL LEVEL IN VALVE BOX
  - SURGE ARRESTORS TO BE INSTALLED AT THE CONTROLLER. ENDS OF ALL MAINLINE. 500' O.C. OR PER MANUFACTURER SPECIFICATION
  - ALL WIRE SPLICES AND STUBS SHALL HAVE 600V WATERPROOF WIRE CONNECTORS INSTALLED. ALL WIRE SPLICES SHALL HAVE 24\" OF SPARE TWO-WIRE CABLE PROVIDED ON EACH CABLE LEG
  - INSTALL PULL BOX IF WIRE RUN EXCEEDS 200' OR IF THERE EXCEED (5) SWEEPS ON CONDUIT PATH
  - PULL WIRE SEPARATELY AT EACH VALVE BOX. (DO NOT PULL ALL WIRE END TO END)

**EQUIPMENT LOCATION NOTES**

ALL VALVE BOXES, ABOVE GRADE EQUIPMENT AND PIPING SHALL BE LOCATED IN LANDSCAPE AREAS. IRRIGATION EQUIPMENT SHALL NOT BE LOCATED IN HARDSCAPE / PAVED AREAS OR IN TURF AREAS WITHOUT WRITTEN PERMISSION FROM THE IRRIGATION CONSULTANT. LOCATE ALL VALVE BOXES IN SHRUB AREAS ONLY. CONTRACTOR WILL BE RESPONSIBLE TO RE-LOCATE VALVE BOXES INSTALLED IN TURF AREAS AT NO COST TO THE OWNER.

**DIGALERT 811**



CONTACT DIGALERT BY DIALING 811 A MINIMUM OF (3) WORKING DAYS BEFORE EXCAVATION.

**POC NOTE**

BELOW IS SIZING OF THE POC IRRIGATION EQUIPMENT TO BE INSTALLED. CONTRACTOR SHALL REFER TO THE IRRIGATION EQUIPMENT LEGEND FOR SPECIFICATION.

POINT OF CONNECTION '1'

SERVICE LINE: 1.5"	BASKET STRAINER: N/A
WATER METER: 1.5"	MASTER VALVE: 1.5"
BACKFLOW DEVICE: 1.5"	FLOW SENSOR: 1.5"
PRESSURE REGULATOR: N/A	

**CONTROLLER NOTE**

CONTRACTOR SHALL PURCHASE AND INSTALL THE FOLLOWING CONTROLLER AS NOTED BELOW:

CONTROLLER MANUFACTURER: HUNTER  
CONTROLLER MODEL: ACC2  
WIRE TYPE: TWO WIRE  
ASSEMBLY TYPE: WALL MOUNT ENCLOSURE  
SERVICE WARRANTY: 1 YEARS  
RAIN SENSOR: YES  
FLOW SENSOR MANUFACTURE: HUNTER  
FLOW SENSOR SIZE AND TYPE: 1.5\" PLASTIC

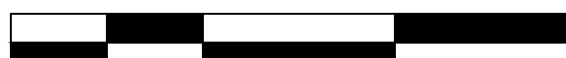
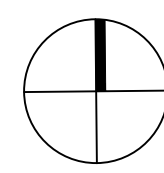
CONTROLLER 'A' - SITEONE GREENTECH MODEL NUMBER: CA16-HU4-150GR-K/HWSS/LPP

THE IRRIGATION CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTION TO CONTROLLER PER LOCAL ELECTRICAL CODE.


CONTACT JOSHUA SEIPEL FOR ORDER INFORMATION (909) 240-6887

**ARROYO**  
irrigation consulting  
13660 GERSHON PLACE  
SANTA ANA, CA 92705  
(949) 430-7030

7/16/2025 12:40:18 PM



SCALE: 1" = 20'-0"



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8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

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**CITY OF MCFARLAND POLICE DEPARTMENT**

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SEAL

KEY PLAN

SCALE

REVISIONS		
NO.	DESCRIPTION	DATE

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APPROVED BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
DATE 10/29/2025  
TITLE

**IRRIGATION PLAN**

PROJECT NO. 50184767

**L3.101**

SHEET NO.

AGENCY SUBMITTAL #1 / OWNER REVIEW 10/29/2025



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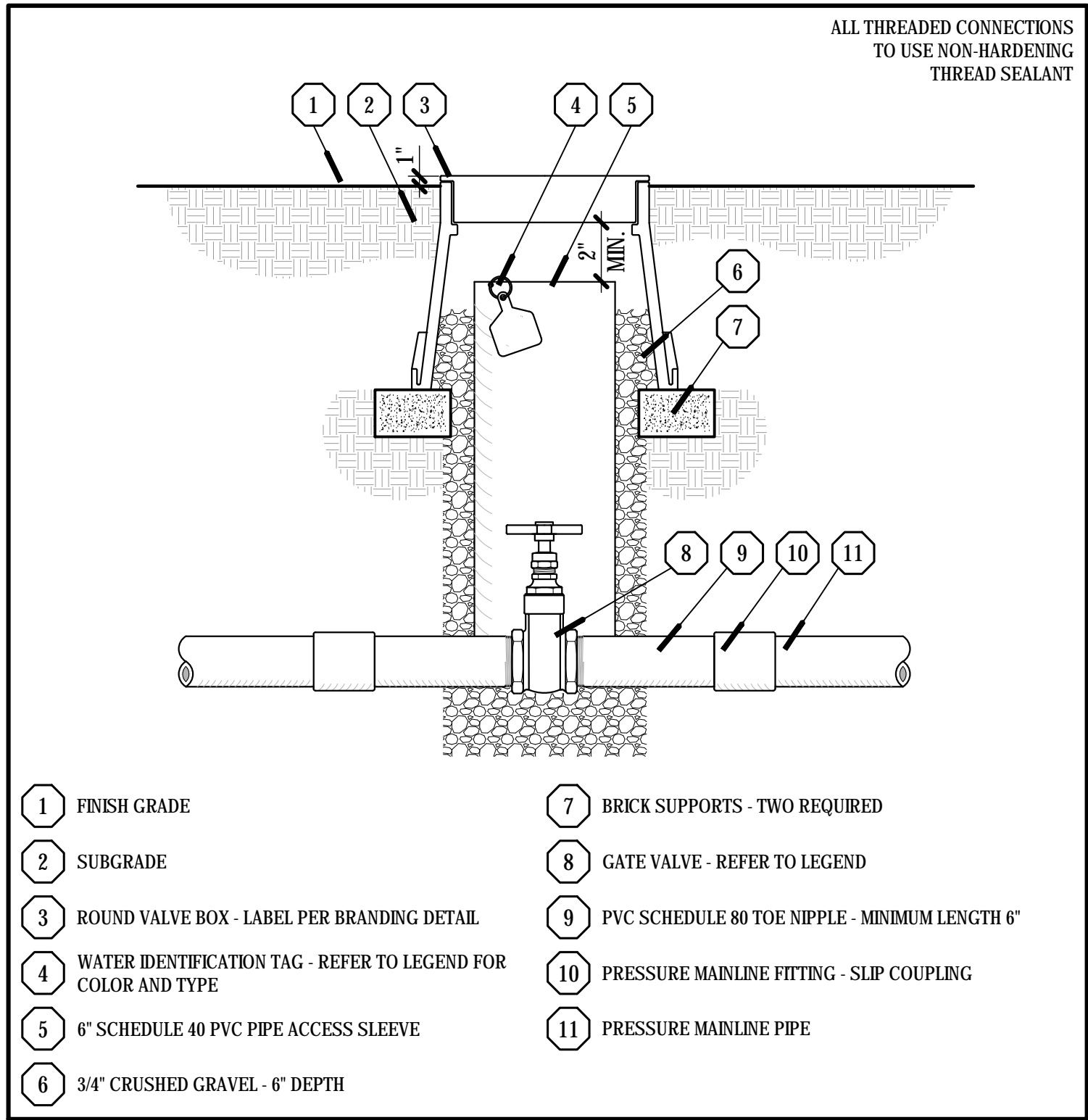
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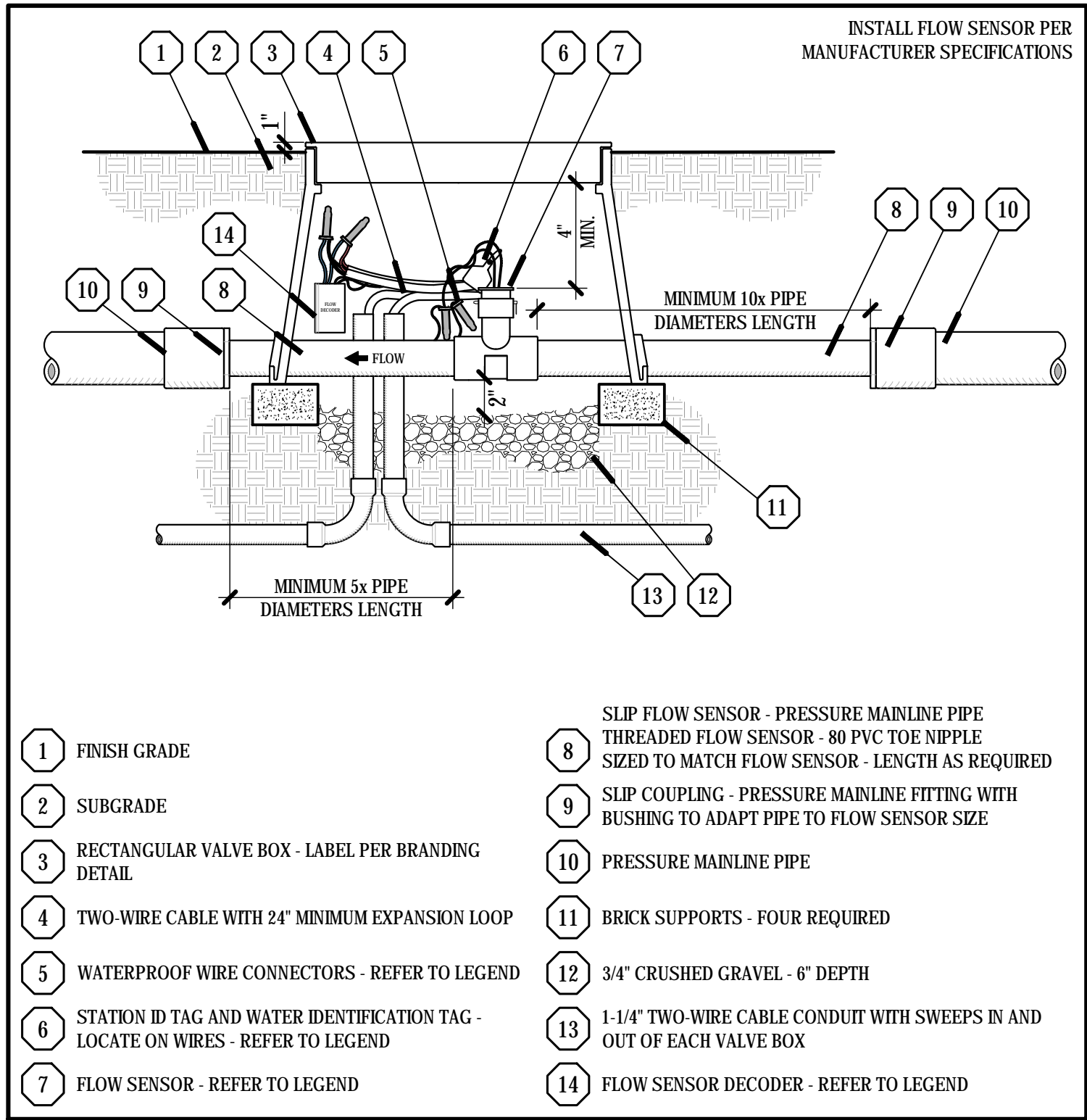
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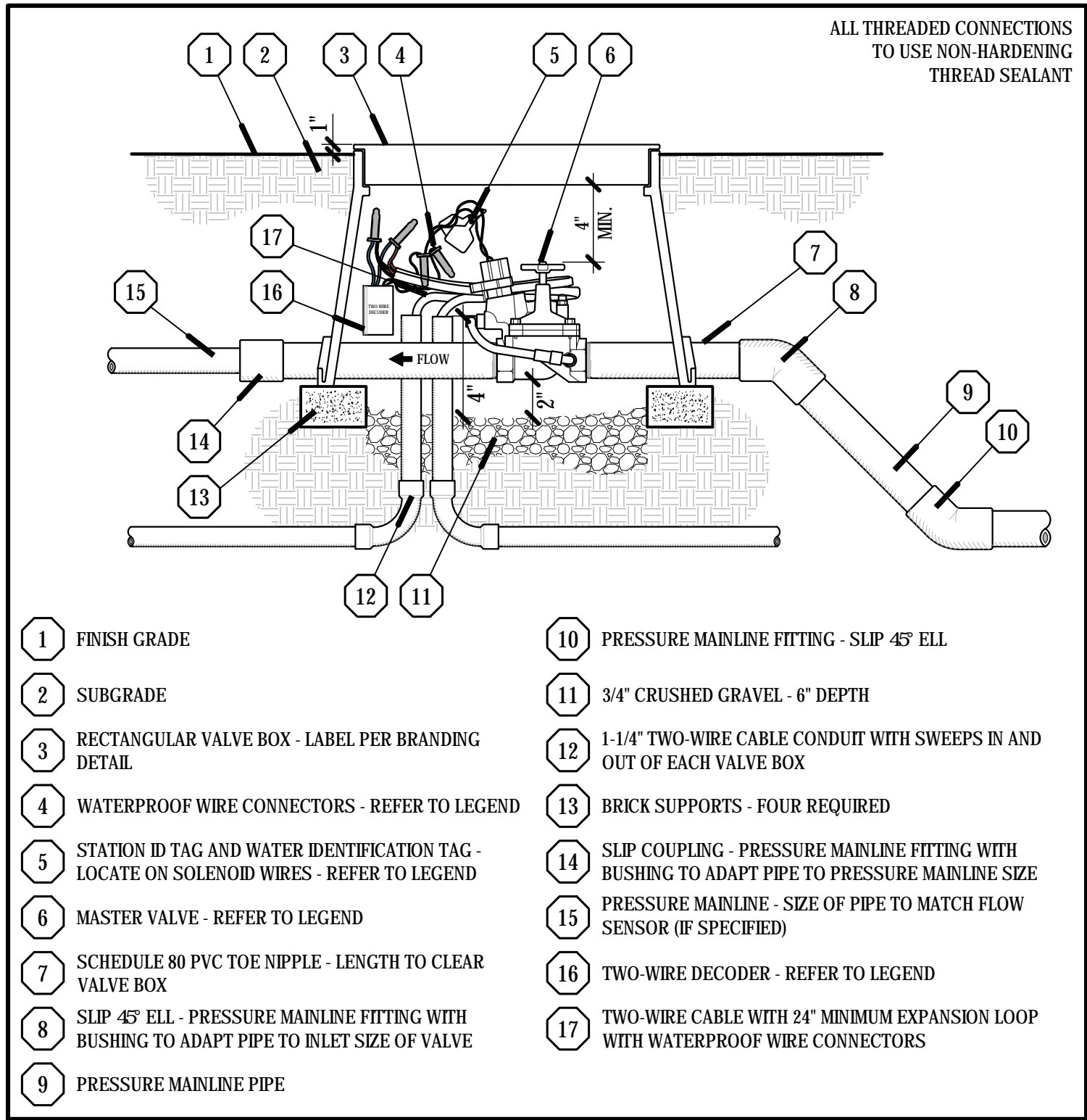
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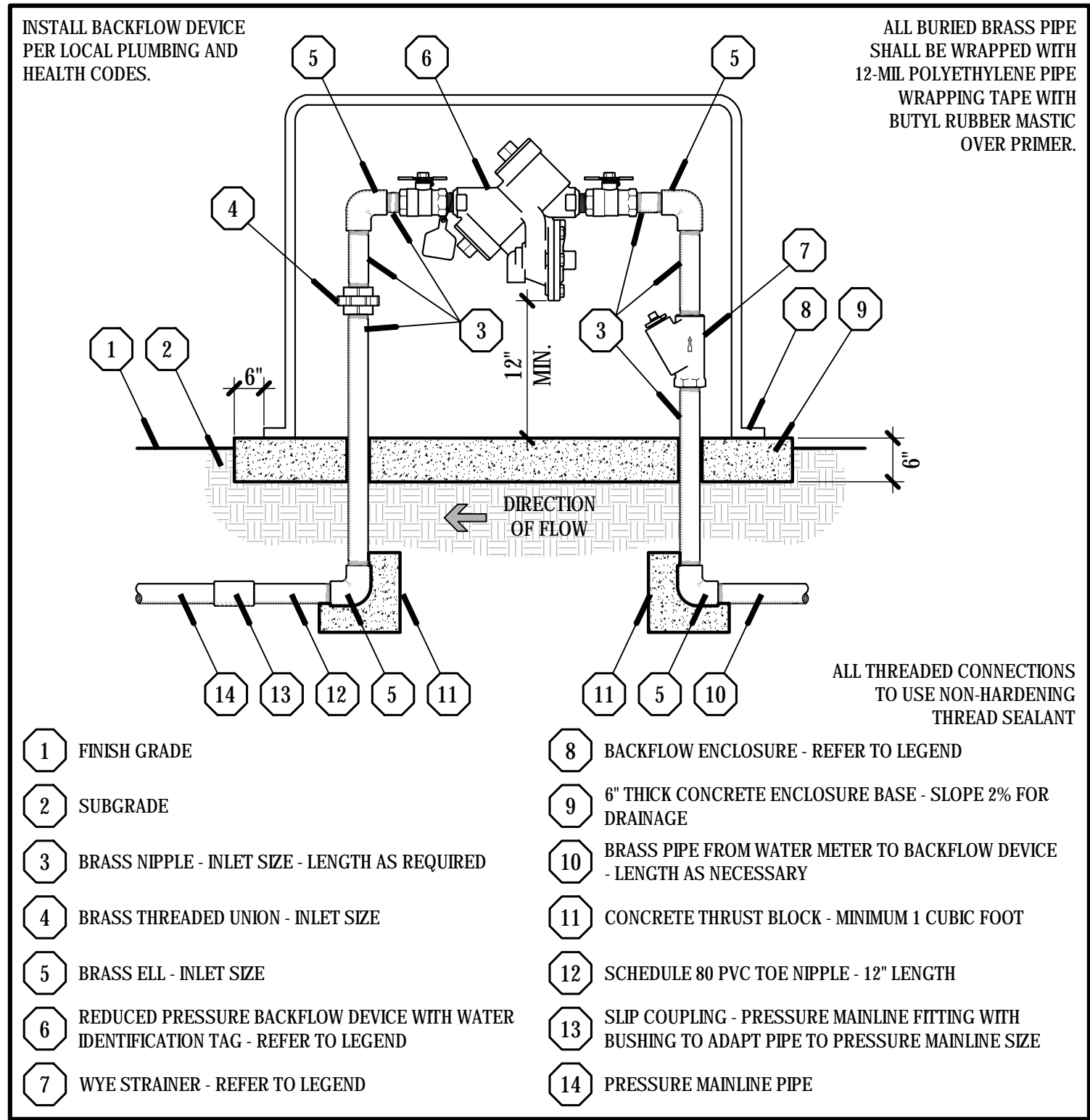
GATE VALVE NO SCALE



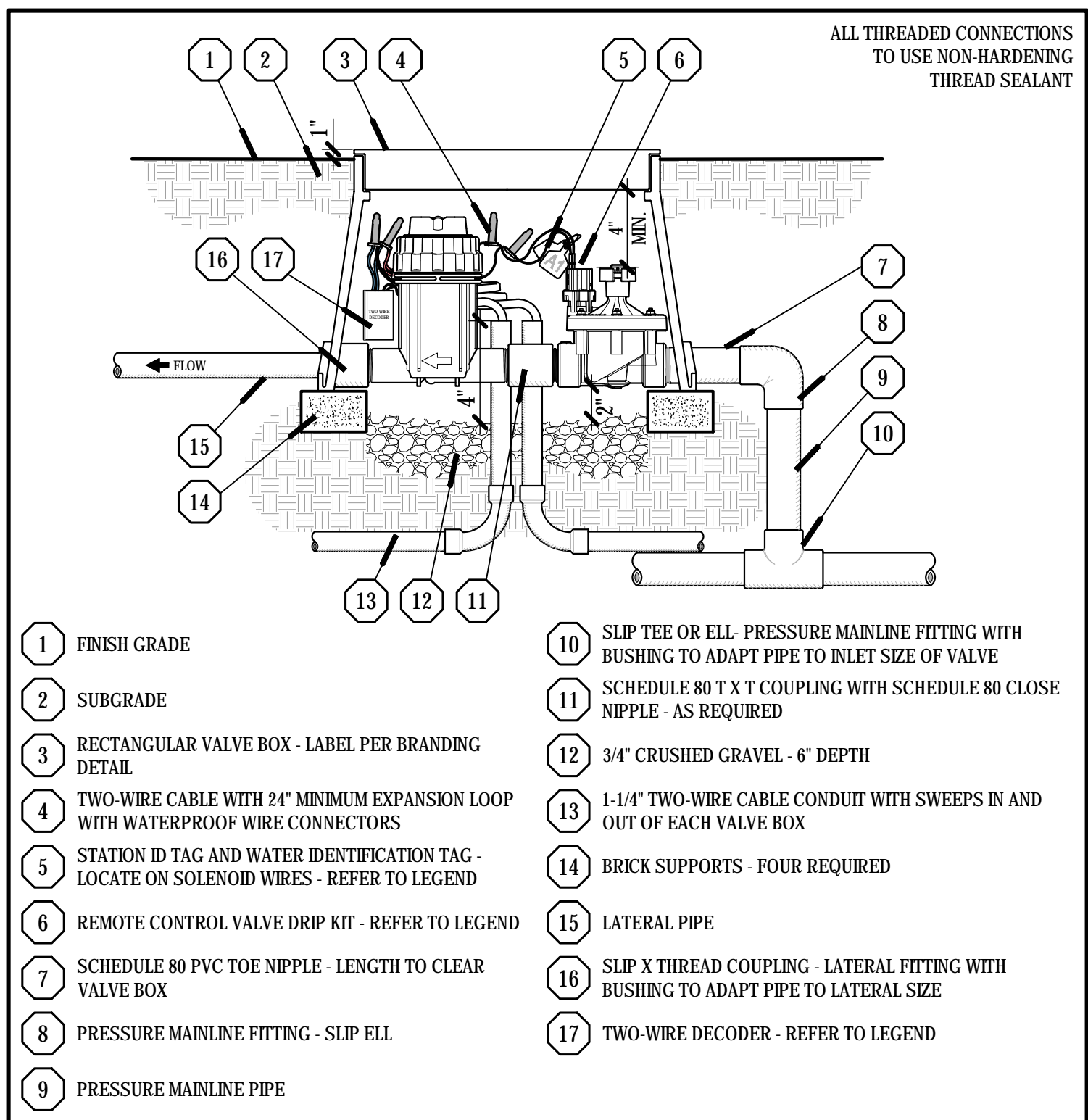
FLOW SENSOR - TWO-WIRE NO SCALE



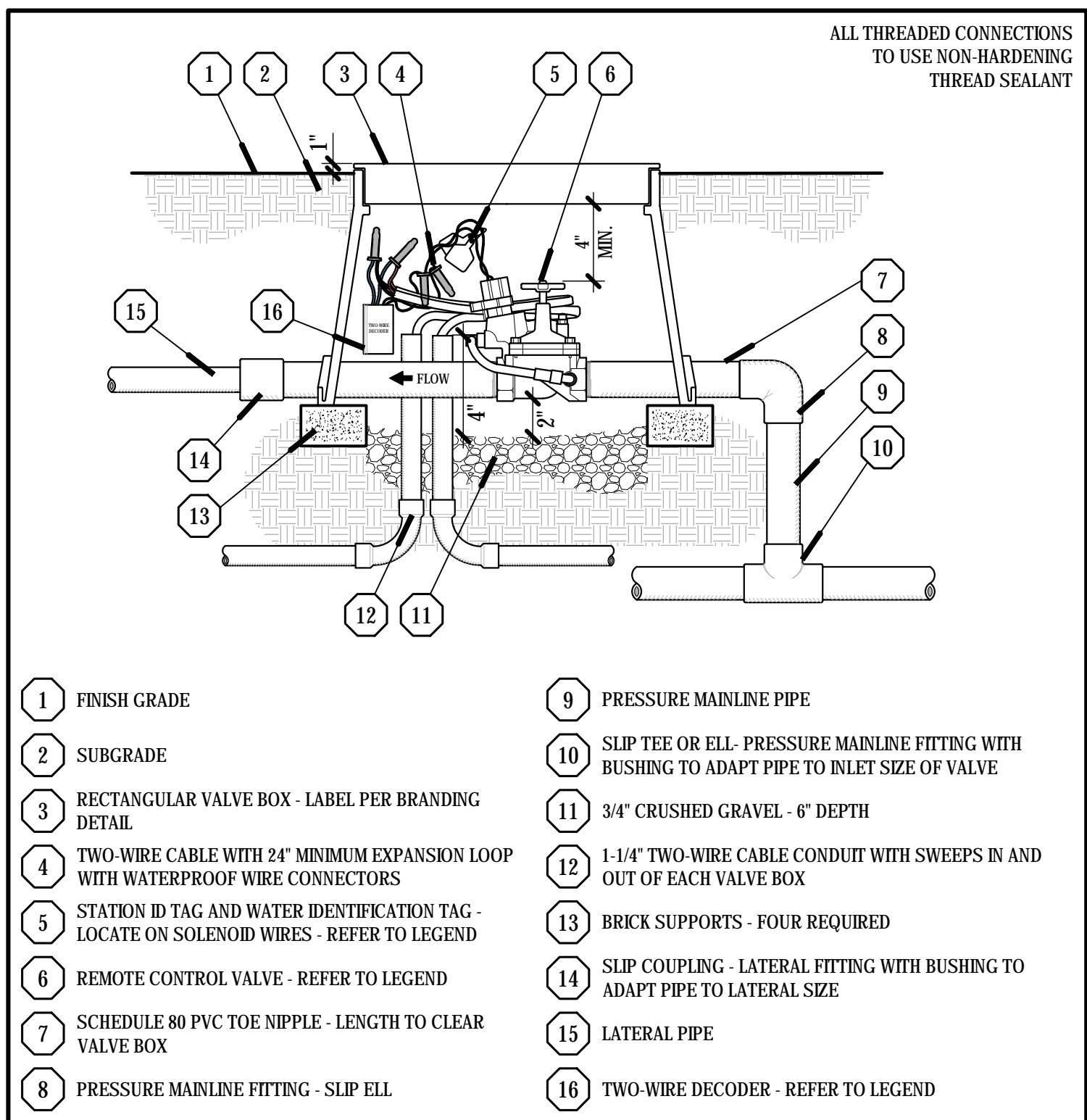
MASTER VALVE - TWO-WIRE NO SCALE



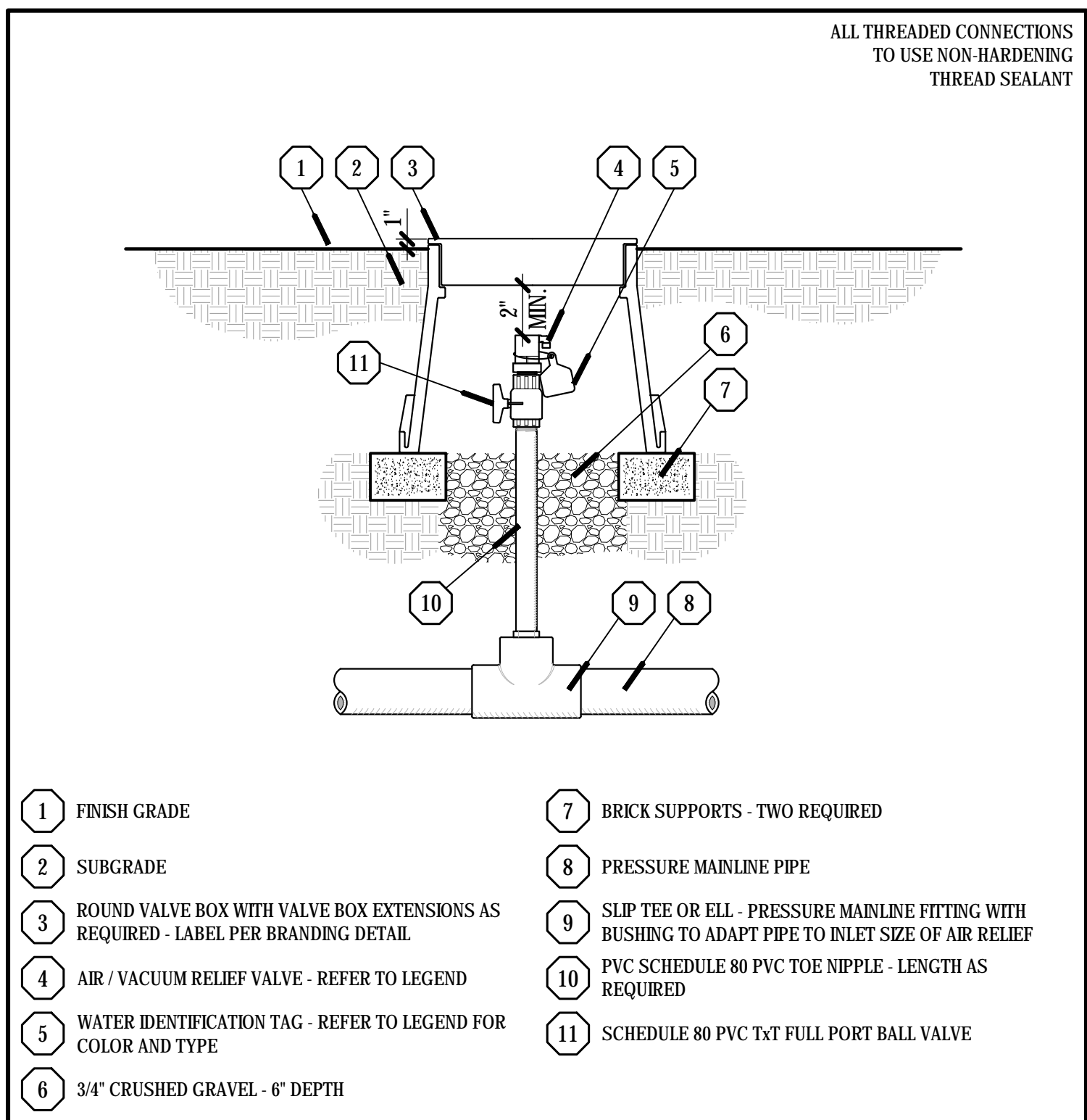
BACKFLOW WITH ENCLOSURE NO SCALE



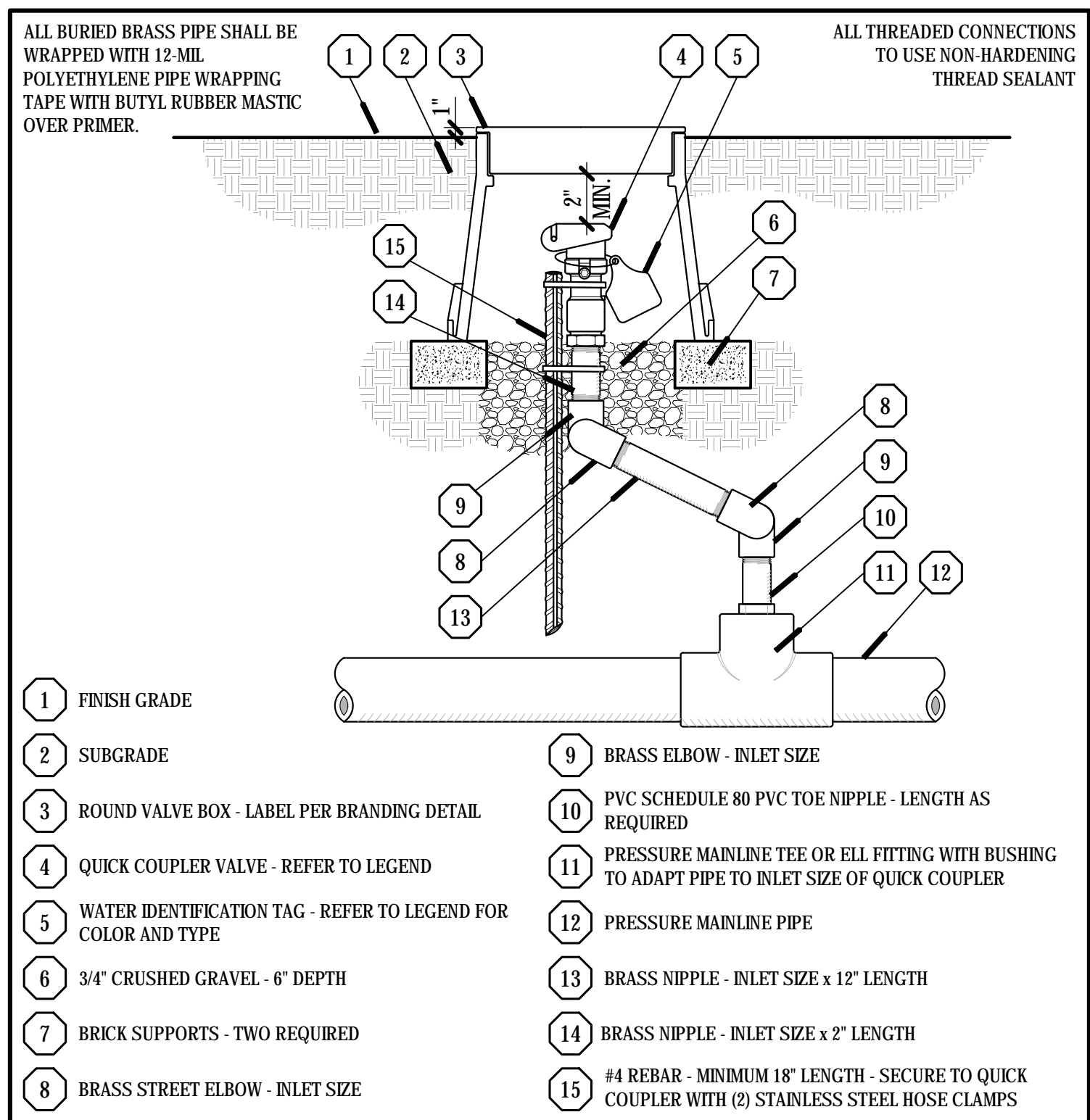
CONTROL VALVE DRIP - TWO-WIRE NO SCALE



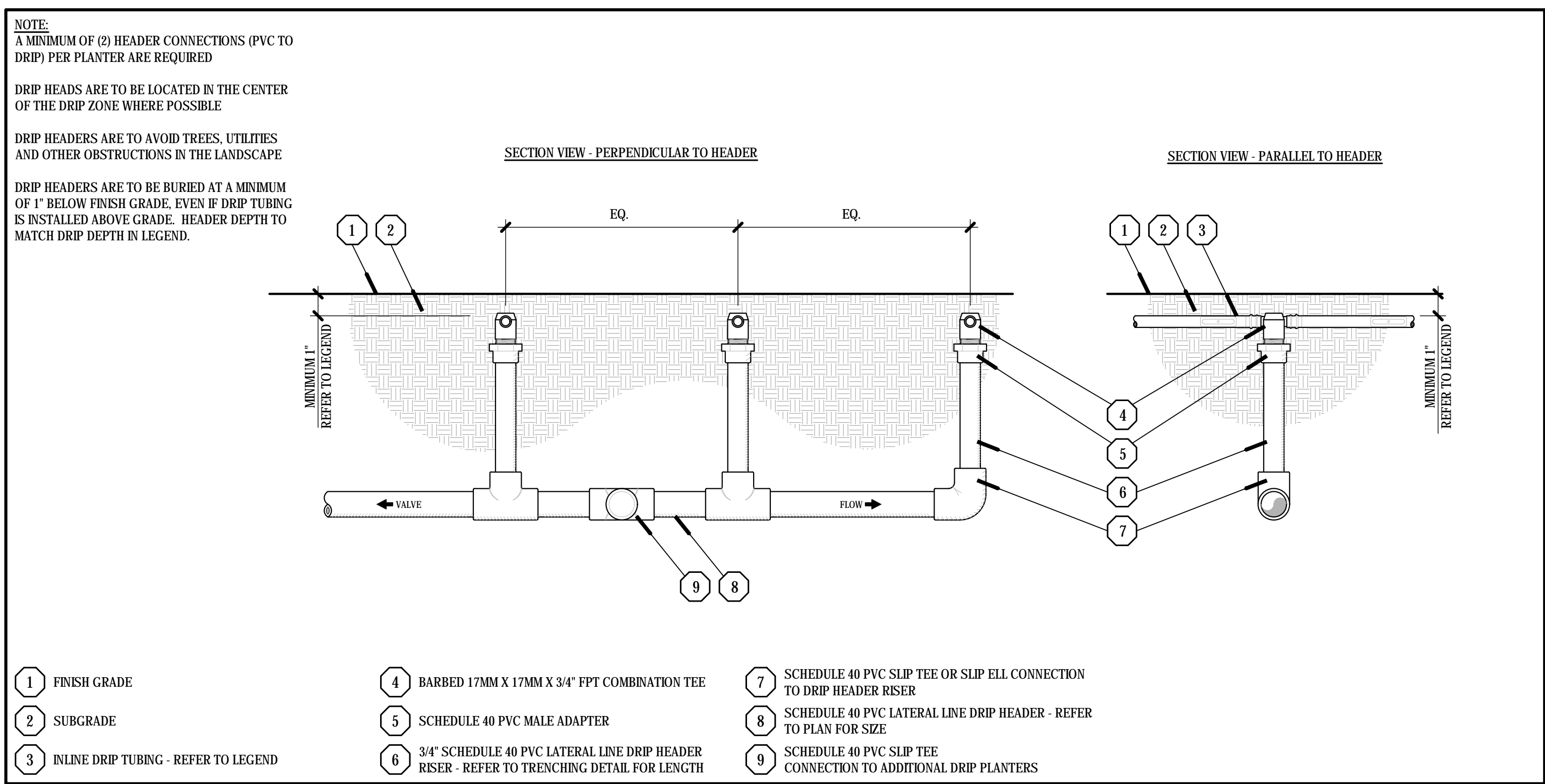
CONTROL VALVE - TWO-WIRE NO SCALE



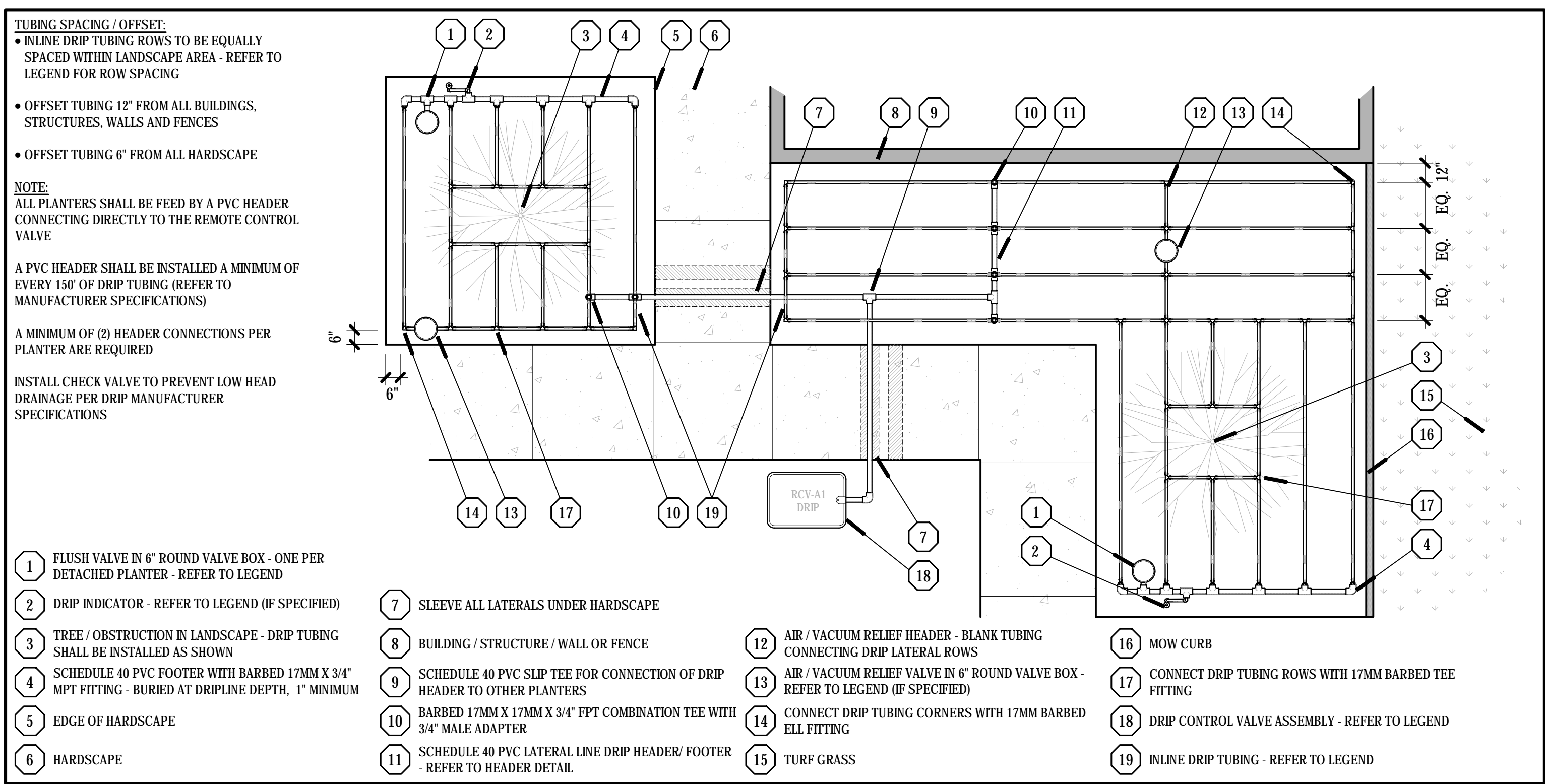
AIR RELIEF VALVE NO SCALE



QUICK COUPLER VALVE NO SCALE



INLINE DRIP HEADER NO SCALE



INLINE DRIP IRRIGATION NO SCALE

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IRRIGATION  
DETAILS

PROJECT NO. 50184767

L3.401

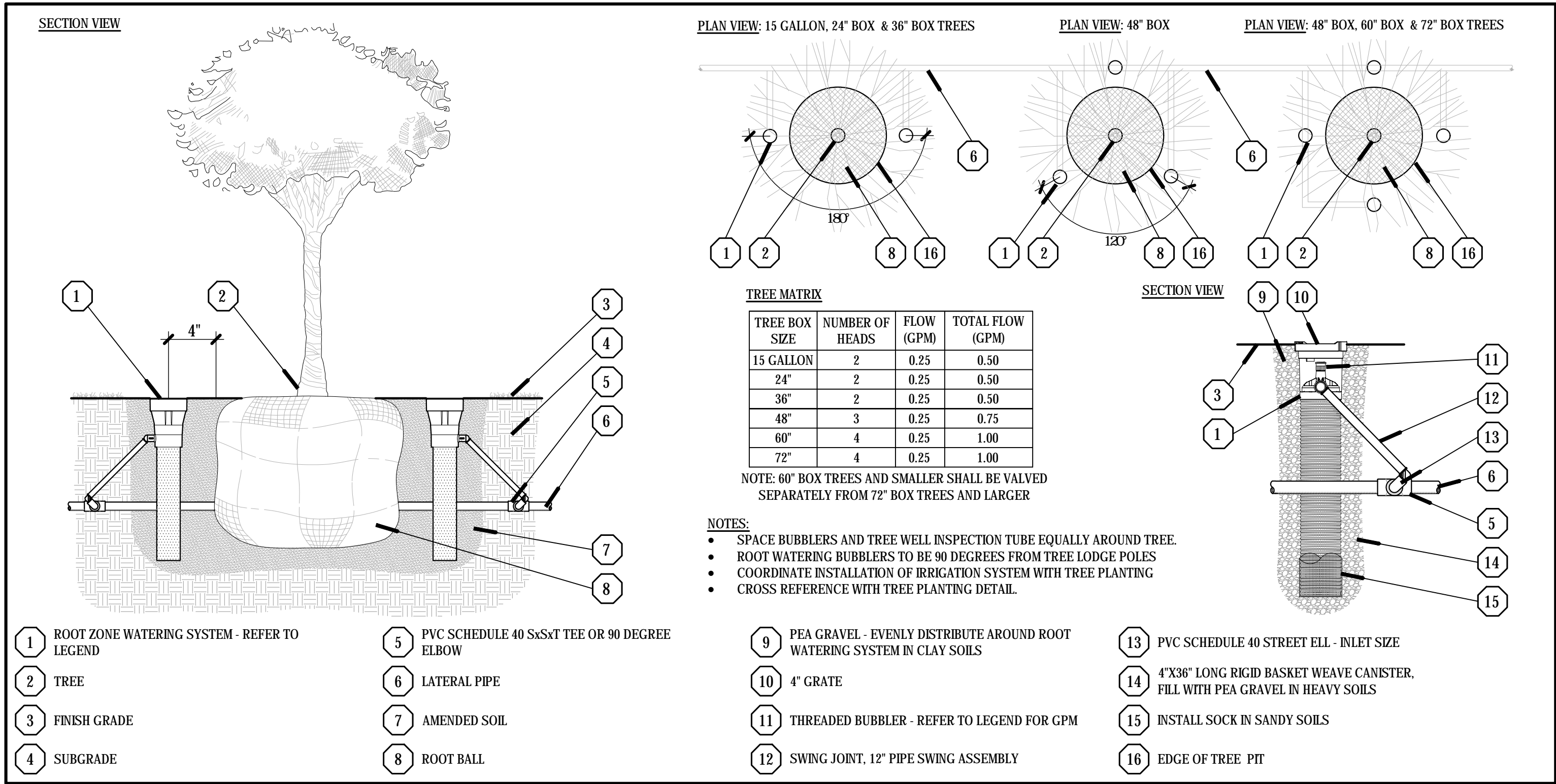
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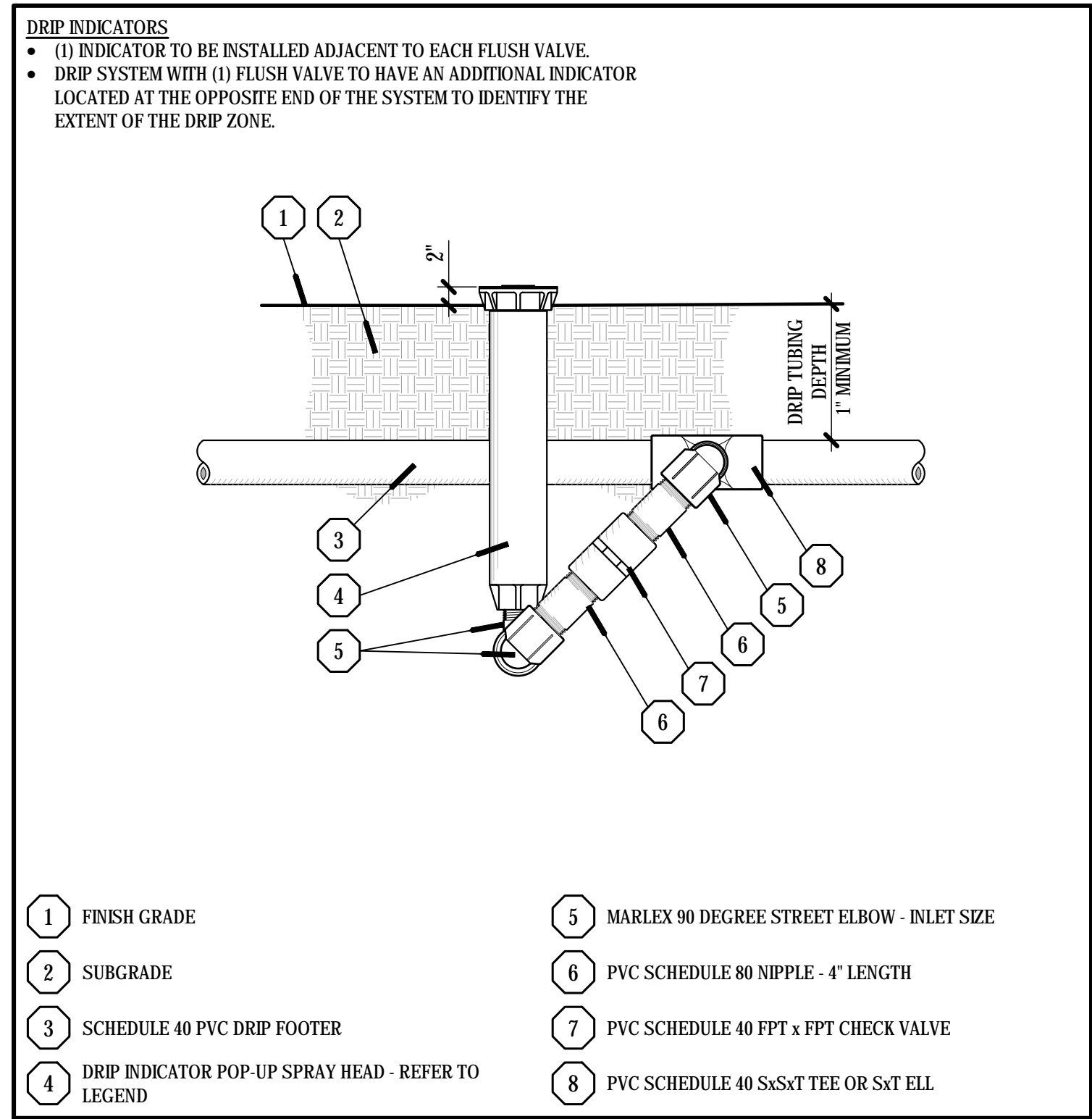
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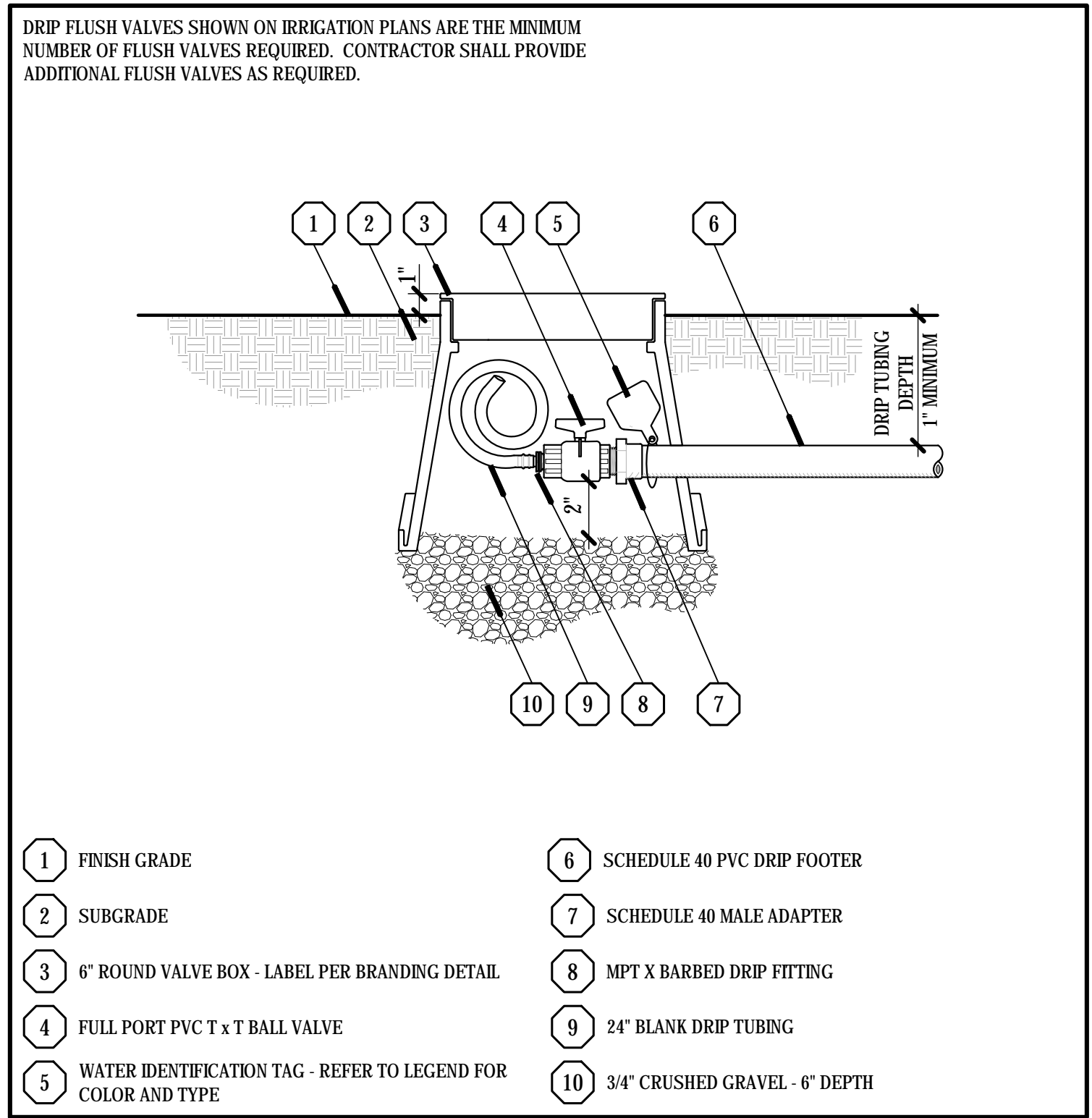
ROOT ZONE WATERING SYSTEM

NO SCALE



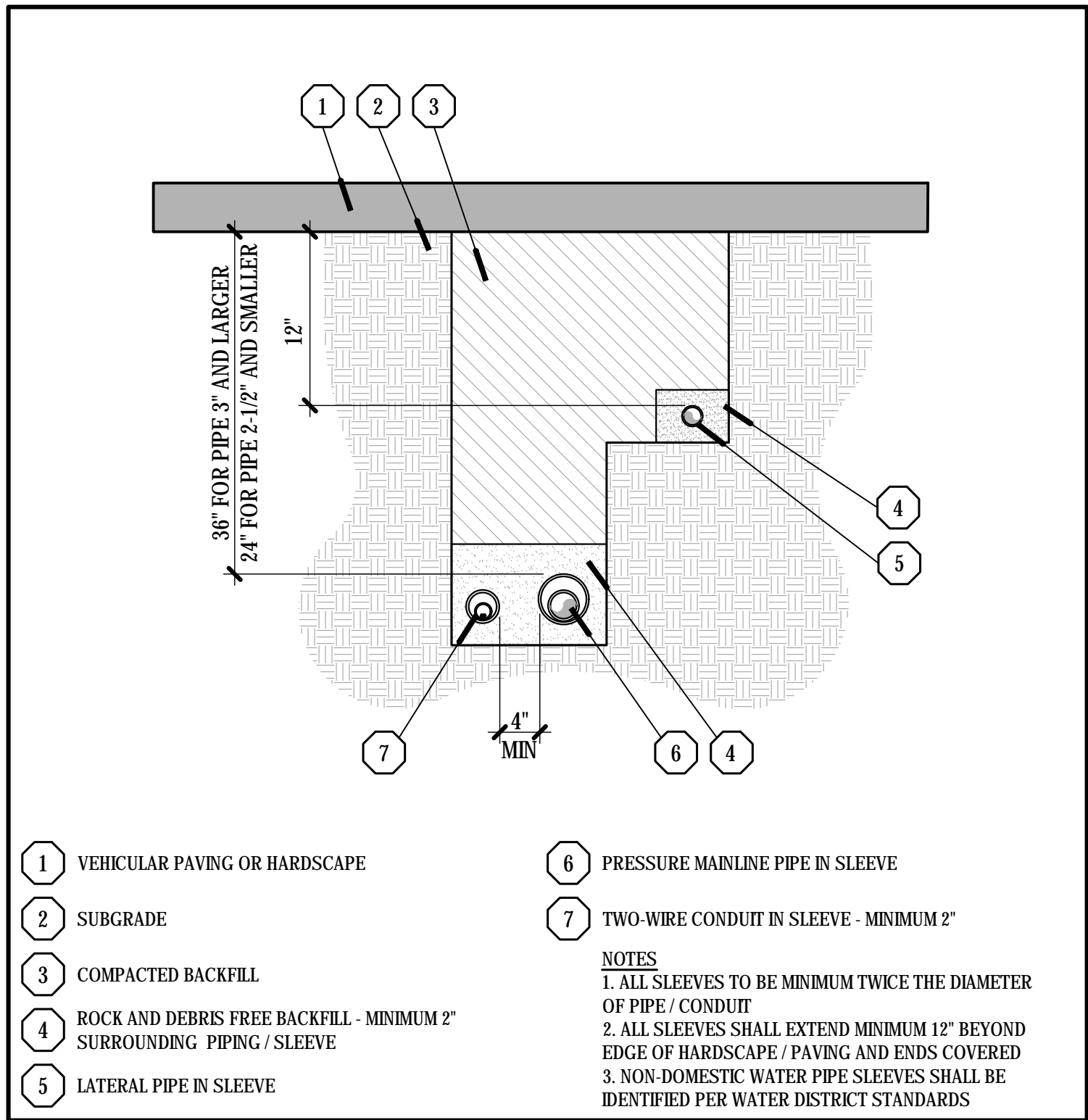
DRIP INDICATOR

NO SCALE



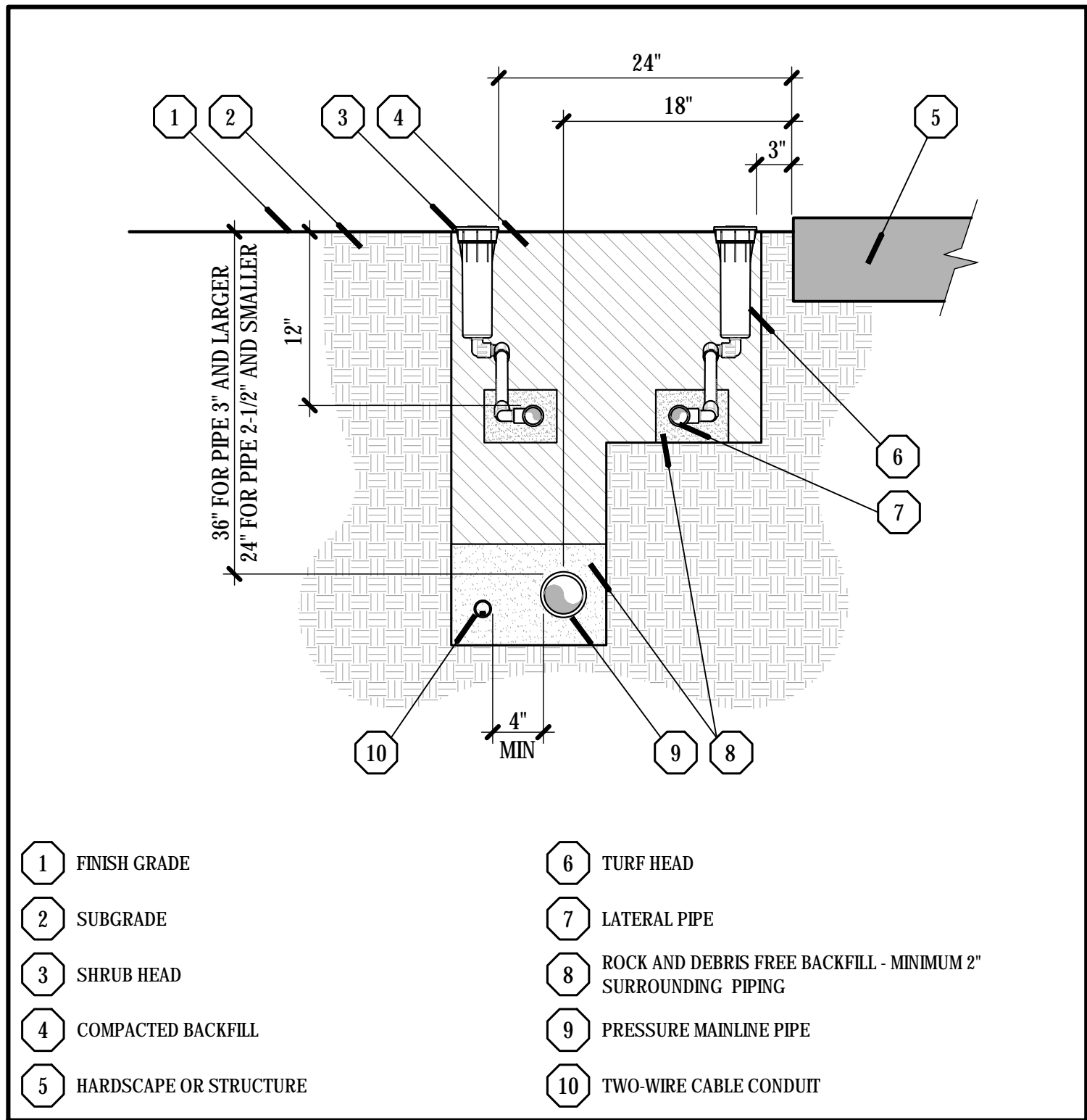
DRIP FLUSH VALVE

NO SCALE



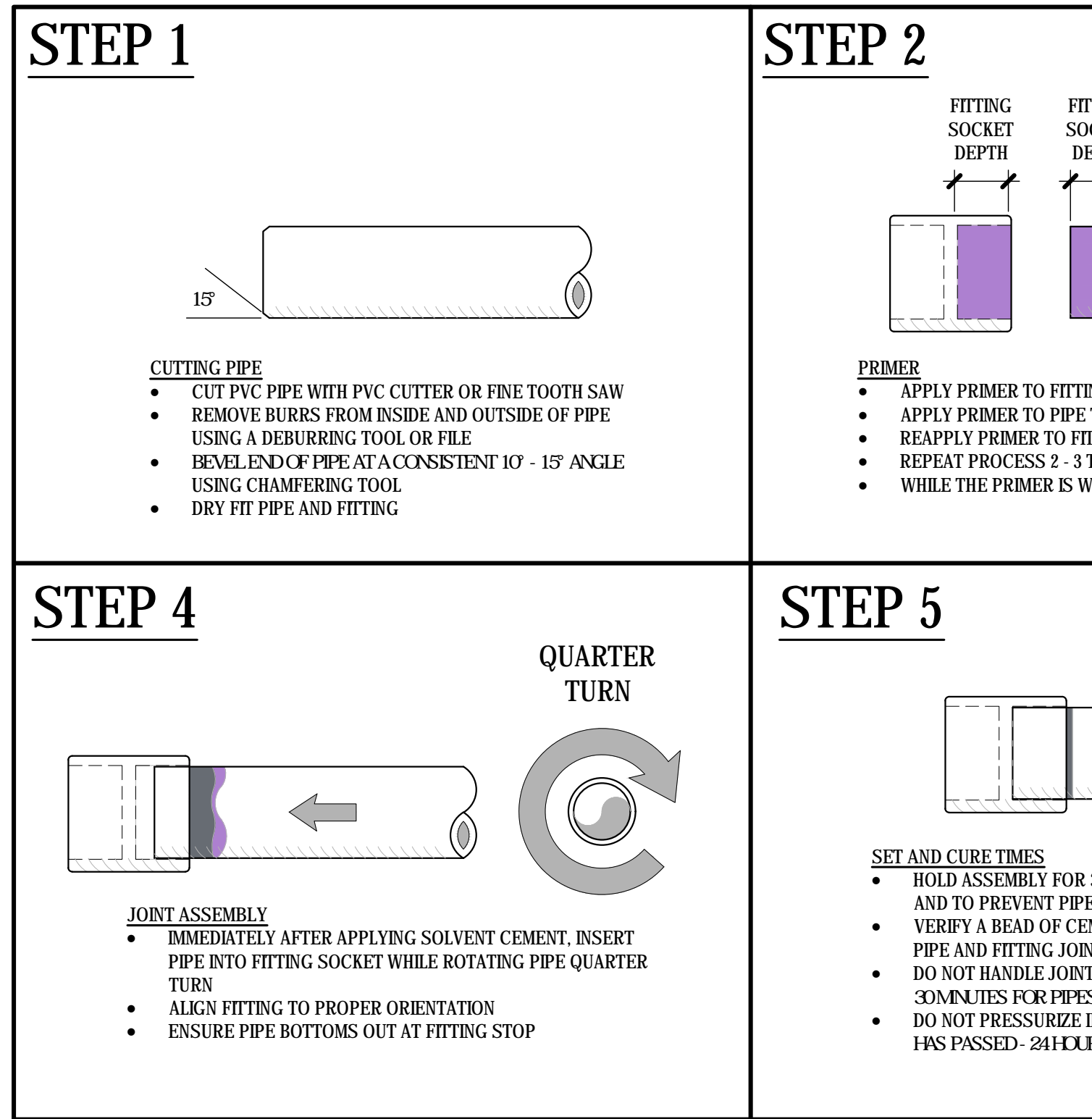
PIPE SLEEVING - TWO-WIRE

NO SCALE



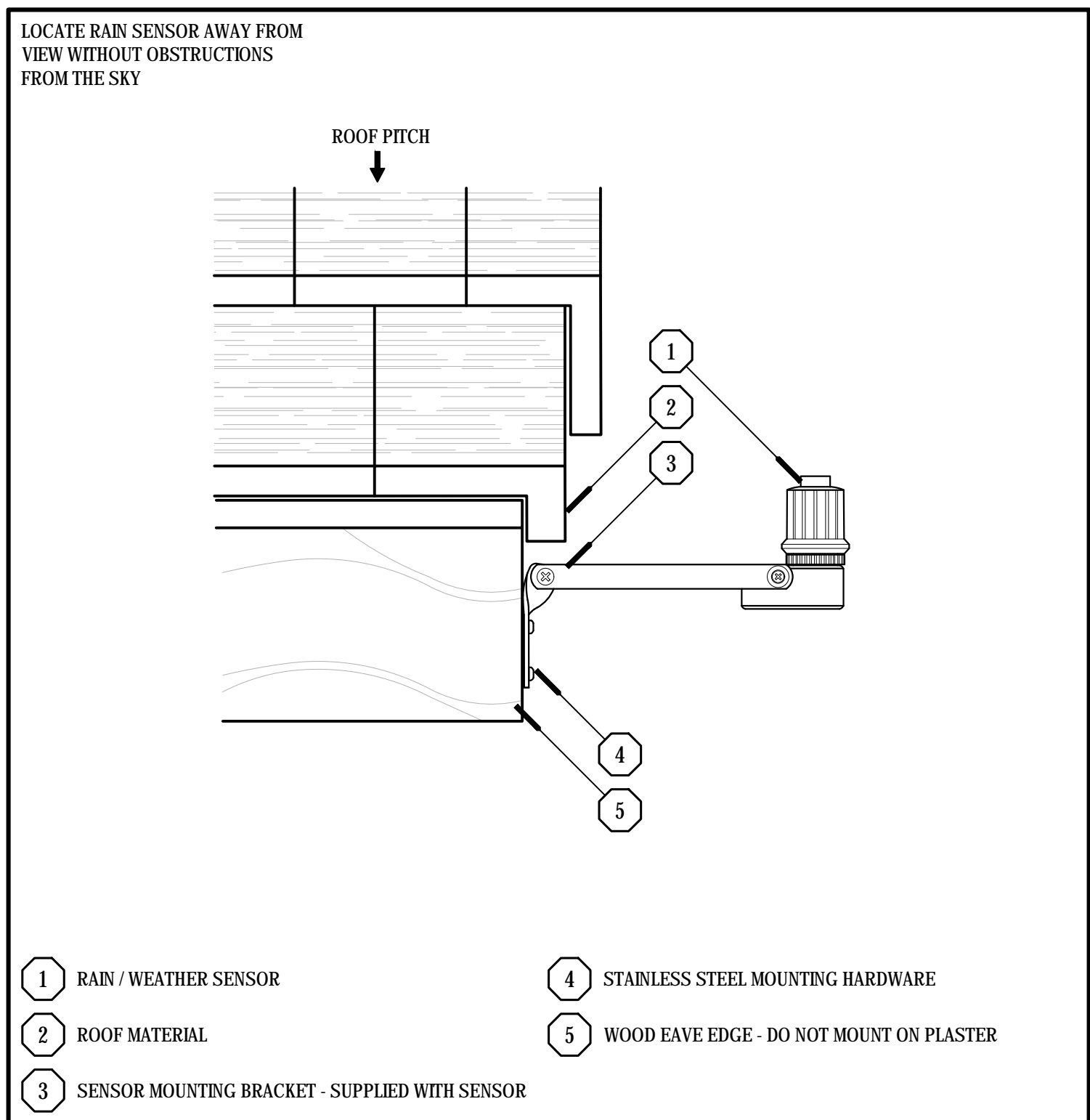
PIPE TRENCHING - TWO-WIRE

NO SCALE



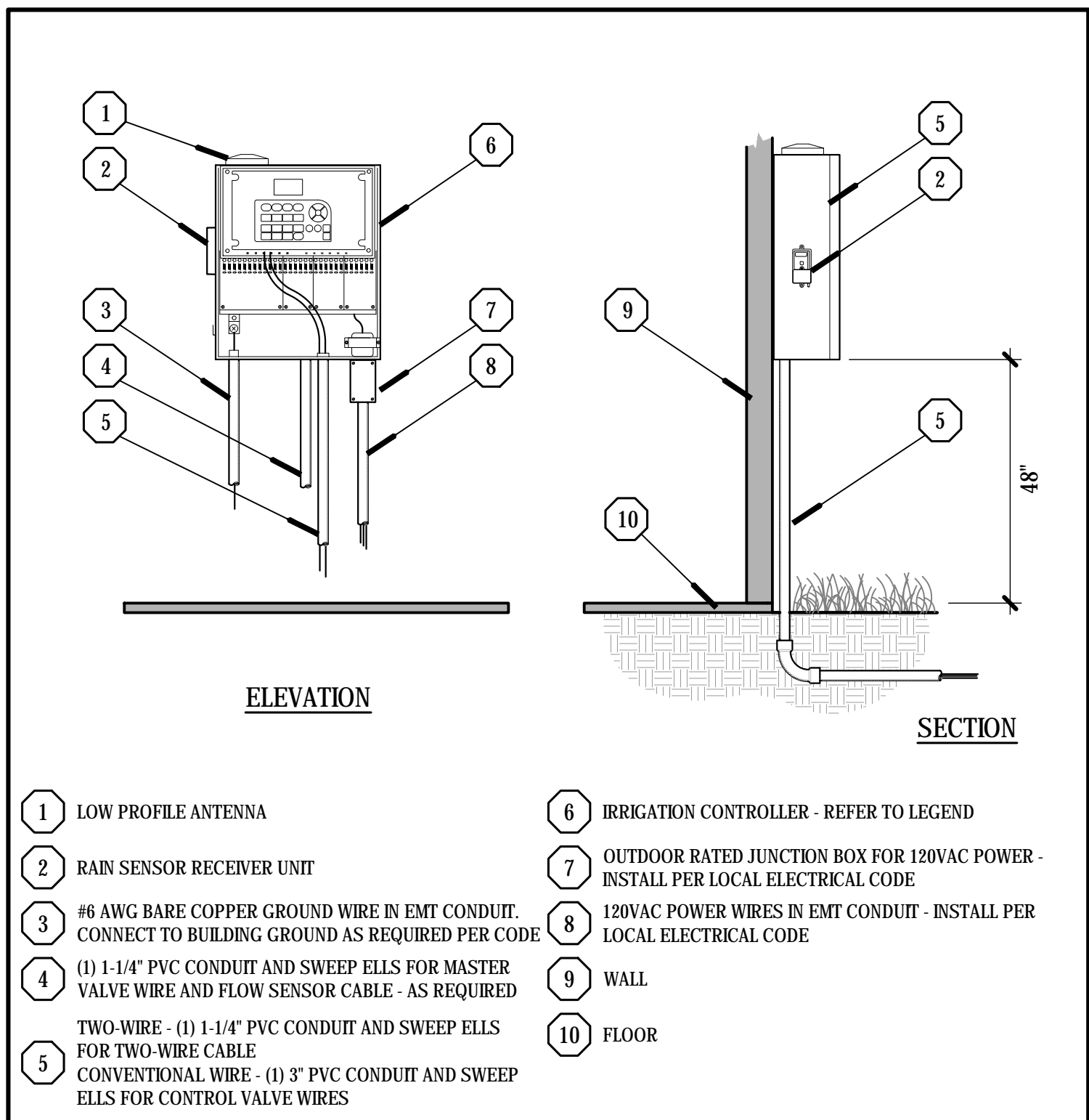
SOLVENT CEMENT JOINTS

NO SCALE



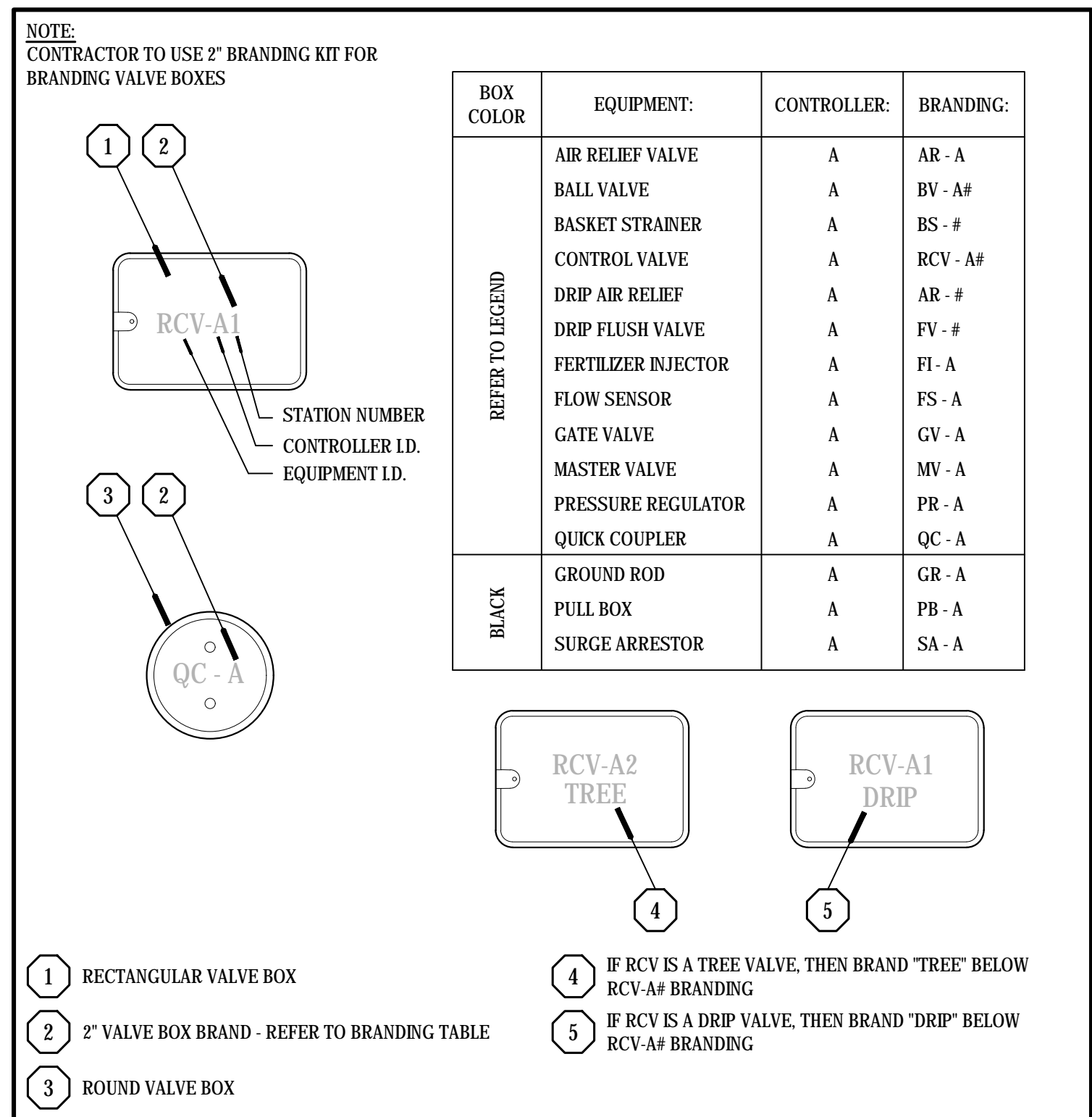
RAIN / WEATHER SENSOR

NO SCALE



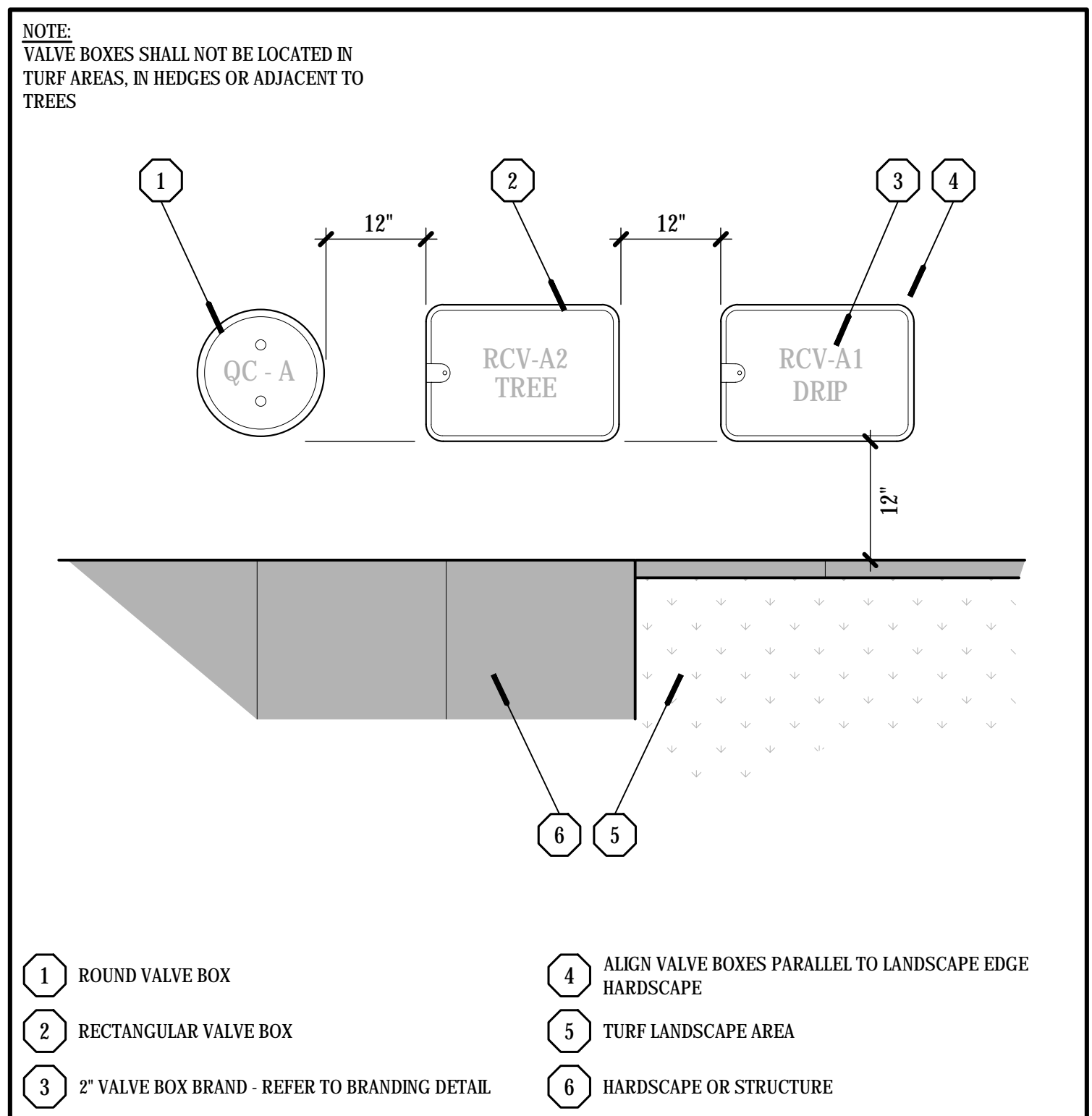
WALL MOUNT CONTROLLER OUTDOOR

NO SCALE



VALVE BOX BRANDING

NO SCALE



VALVE BOX LAYOUT

NO SCALE



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TITLE \_\_\_\_\_

IRRIGATION  
DETAILS

PROJECT NO. 50184767

L3.402

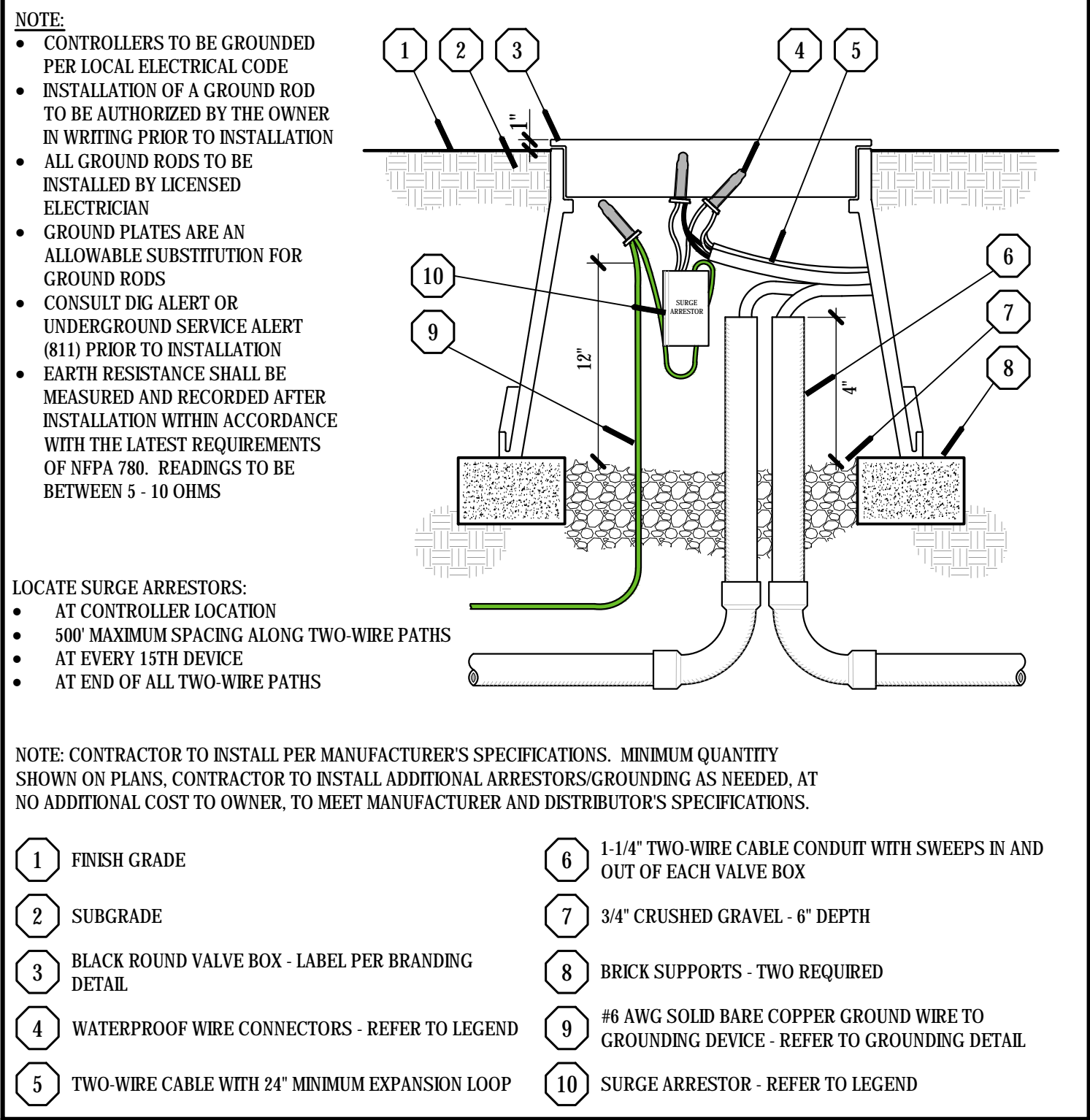
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AGENCY SUBMITTAL #1 / OWNER REVIEW 10/29/2025



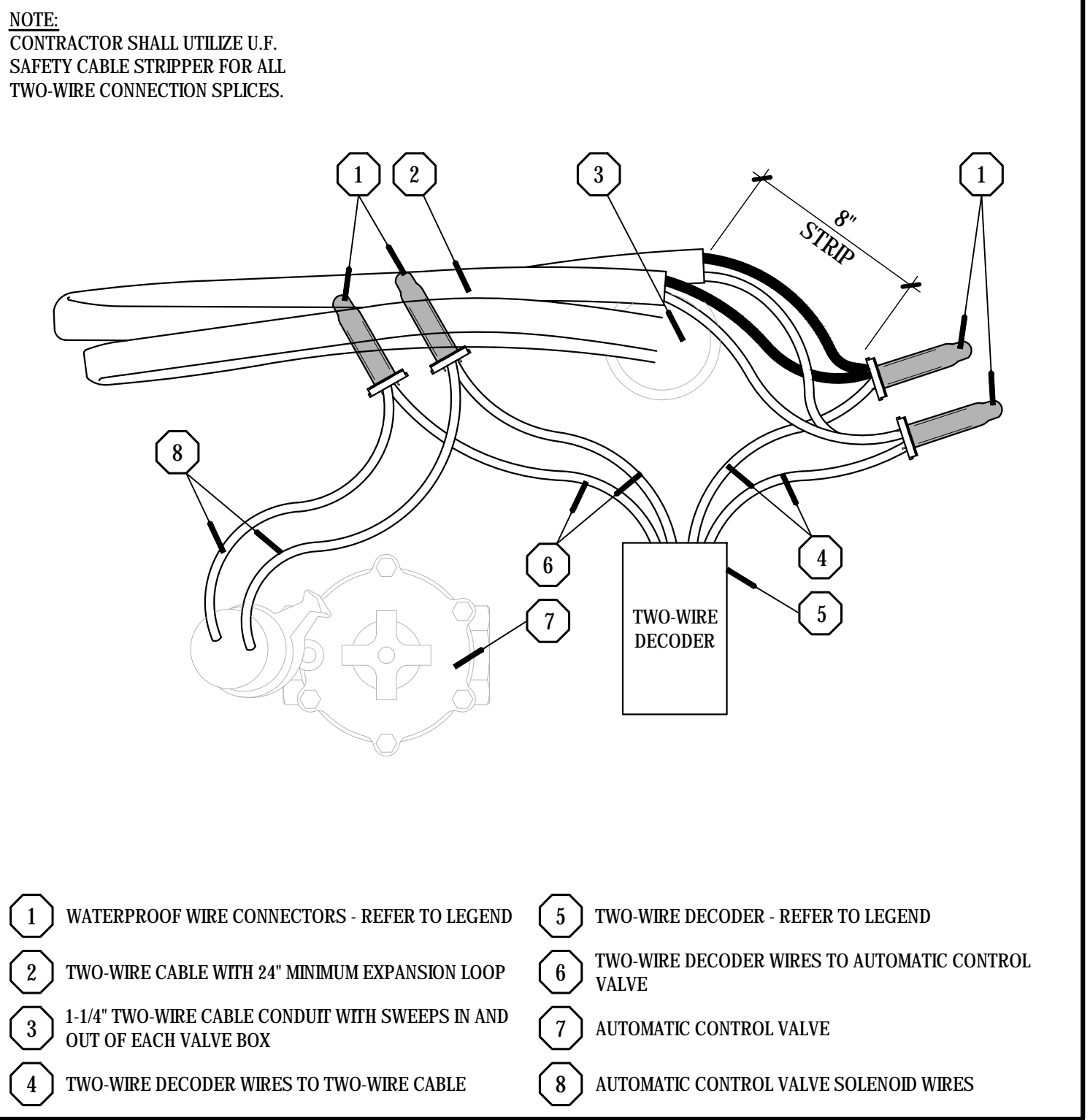
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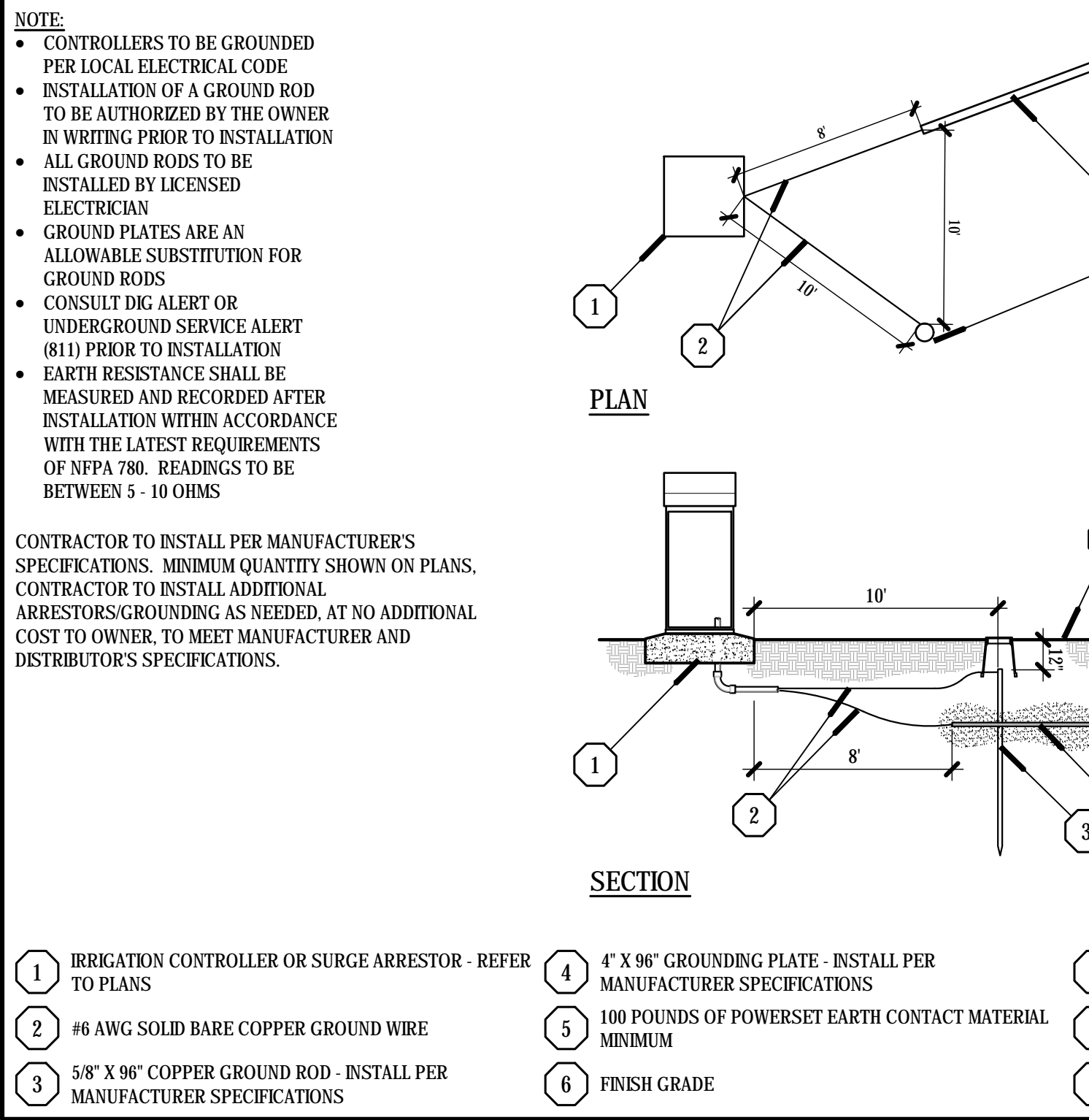
**TWO-WIRE SURGE ARRESTOR**

NO SCALE



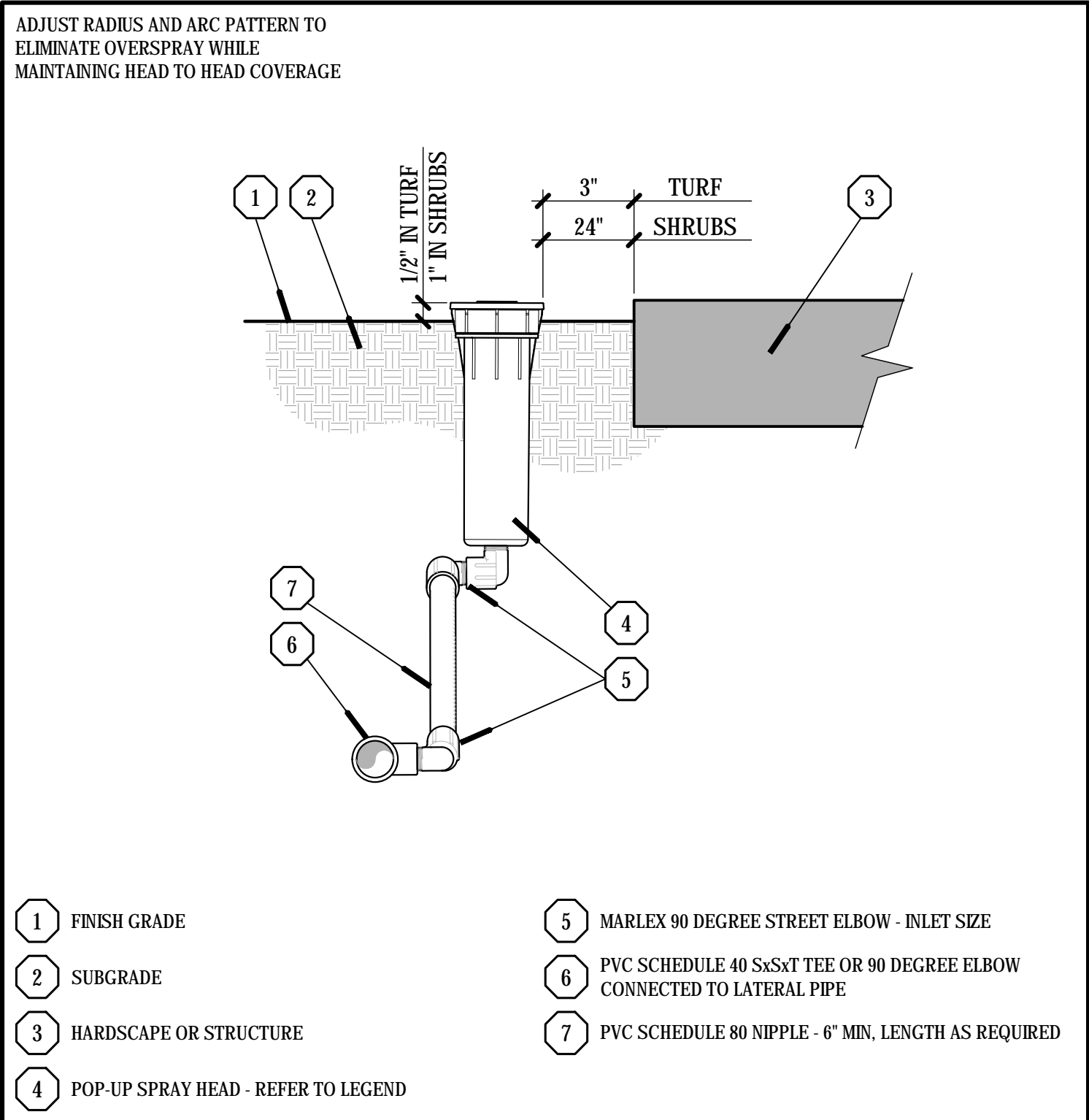
**TWO-WIRE DECODER**

NO SCALE



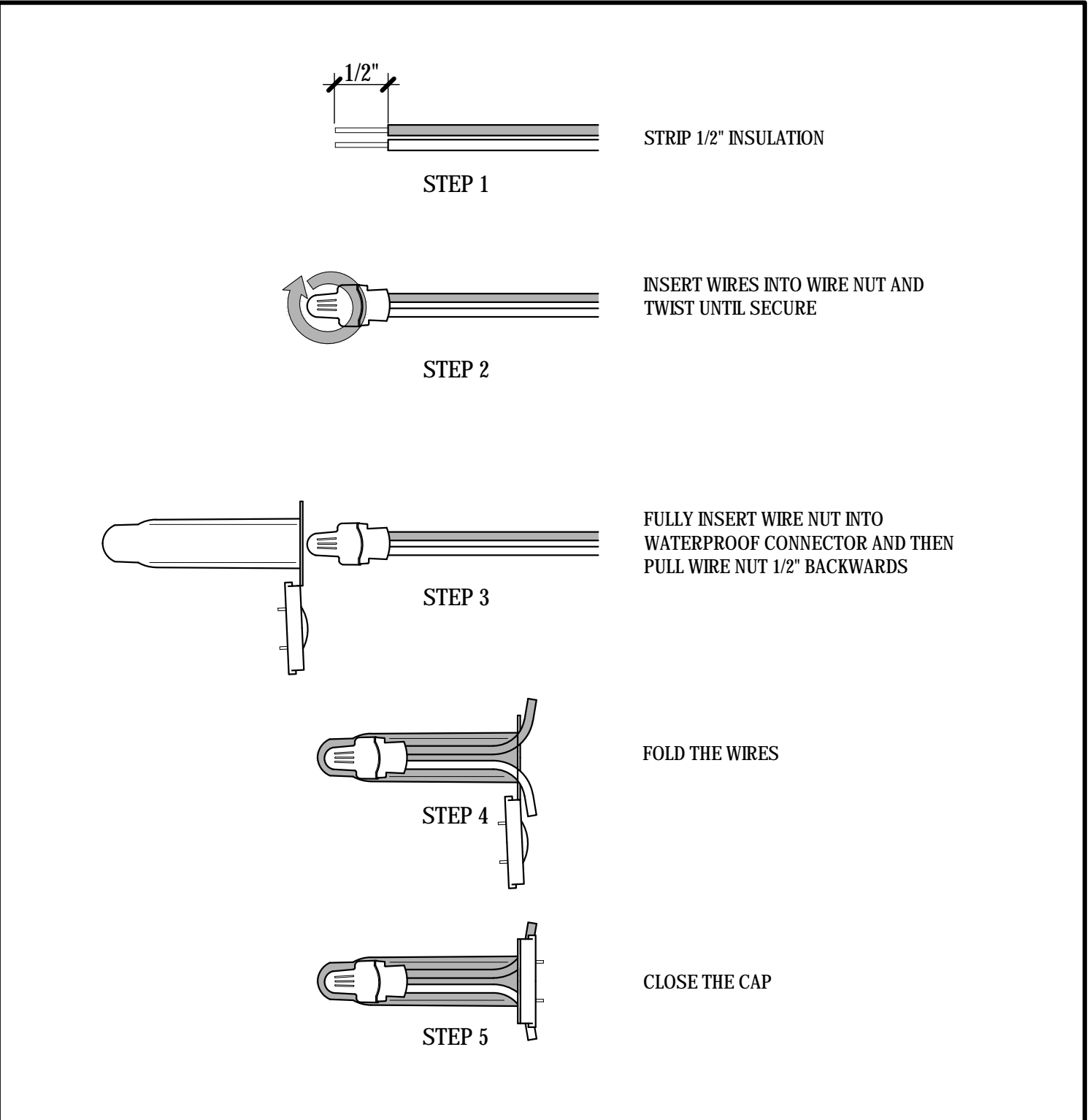
**GROUNDING**

NO SCALE



**POP-UP SPRAY**

NO SCALE



**WATERPROOF WIRE CONNECTOR**

NO SCALE



NO.	DESCRIPTION	DATE

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DATE 10/29/2025  
TITLE

**IRRIGATION  
DETAILS**



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CONTROL SYSTEM DETAILS				
● CONTROLLER:	PLC1e w/3.5" COLOR TOUCH SCREEN (SNC)			
● HMI:	COMBINATION PLC/HMI UNIT			
● ENVIRONMENTAL DESIGN:	NEMA 12 cabinet manufactured for INDOOR operation			
● MOTOR STARTING PRIMARY:	VFD - ALL MOTORS			
● VFD MODEL:	BEST FIT FOR APPLICATION			
● PANEL COOLING:	FORCED AIR			
● CONTROL SYSTEM MODEL NUMBER	PB-CS3-F800E-002HP-203-PLC1E			
● CONTROL PANEL SIZE:	H= 30" W+D= 2010" FEET= 0" TOTAL HEIGHT= 30"			
● SPECIFIED KAIC:	NONE SPECIFIED			
● WIRELESS CAPABLE - Modem provided - No service included				
● UL Listed and Labeled (UL 508A)				
● Ethernet Capable for Internet Access				
● Clock Start Relay; 24vac (or 120vac)				
● System Fault Logger				
● VFD Sleep By Flow; Wake By Pressure				
● Adjust VFD Sleep Settings on HMI				
● Single Motor Controller				
● Virtual Hand/Off/Auto Selector				
● Virtual VFD Speed Control (Potentiometer)				
● Trend Data logging with upload to USB				

SHIPMENT	
SHIPMENT/DELIVERY: All reasonable efforts will be made to meet the requested shipment date after the receipt of a signed purchase order and approval of submittal(s). Manufacturer will not be held liable for delays in shipment or delivery.	
NOTES	
Appropriate power to be provided by others - voltage & phase specified above from Customer provided information	
Offloading & set up by others (unless delivery/set-up option offered and accepted)	
Wet well, concrete pad(s), intake structure or other civil works to be provided by others.	
Tie-in to main line and flush lines to be performed by others (unless tie-in option offered and accepted)	
Start-up and calibration by a PPS certified technician. (if option offered and accepted)	
If on-site start-up is not to be provided call PPS to schedule a factory assisted on-phone start-up. 24 hour advance notice is required	
No taxes are included in this quotation.	
WARRANTY	
[ See Terms & Conditions for details. ]	
TELEPHONE TECHNICAL SUPPORT: Free-of-charge for the life of your product (During normal operating/business hours)	
Precision Pumping Systems (PPS) warrants that its products and systems will be free from defects in material and workmanship for a period of thirty-six (36) months from the date of placing the equipment in operation or forty (40) months from the date of completion of manufacture of the equipment, whichever shall occur first.	
Initial start-up and preventative maintenance must be performed by an authorized PPS representative or the warranty shall be void. This warranty does not apply to equipment that has been damaged, misapplied or modified in any way.	
* Three year electronic warranty extension offered with certified start-up is only available when ABB® or Mitsubishi® drives are incorporated.	
If applicable to your Equipment, PPS warrants to the original buyer that its galvanized steel components will be free of rust-through damage for a period of 25 years from the date of completion of manufacture of the Equipment.	

PUMP AND MOTOR DETAILS					SEQUENCE: LEAD ONLY	
FUNCTION	QTY	HP	PUMP PERFORMANCE	RPM	TYPE / BRAND	MOTOR ENCLOSURE
MAIN/DUTY	1	2	20 GPM @ 55' TDH	3600	END-SUCTION CENTRIFUGAL XYLEM-GOULDs	ODP
SPECIAL MOTOR DESIGN/ADDITIONS						
Premium Efficiency Motors (Default for all standard motors provided)						
SYSTEM OVERVIEW						
SYSTEM TYPE:		BOOSTER SYSTEM - BY PASS				
INTAKE SOURCE:		NON-POTABLE - QUALITY UNKNOWN				
DISCHARGE USE:		NON-POTABLE				
PUMP STATION ENCLOSURE:		MARINE GRADE ALUMINUM				
PUMP STATION FLOW METER :		NMP INSERTION FLOW METER				
DROP PIPES:		HDPE	SUCTION 2" x 2"	DISCHARGE 2" x 2"		INCLUDED
SKID BASE SIZE (INCHES):		48 X 33	Estimated - Do not use for construction. Contact PPS for detailed drawing/info.			

DESIGN DETAILS				
Design Point:	1	Voltage:	208	Electrical Loads
Design Flow Rate - GPM:	20	Phase:	3	DISCONNECT
Intake Pressure - PSI:	44	Hertz:	60	NEC FLA
Boost Pressure - PSI:	21			AMPS
Discharge Pressure - PSI:	65			10

PUMP STATION SPEC			
PROJECT: MCFARLAND POLICE STATION		DATE: 10/1/2025	
SPEC #: 26456			
CONTACT: JOSHUA SEIPEL (909) 240-6887		LOCATION	CITY: MCFARLAND
MODEL NUMBER: PAP-26456			STATE: CA - CALIFORNIA

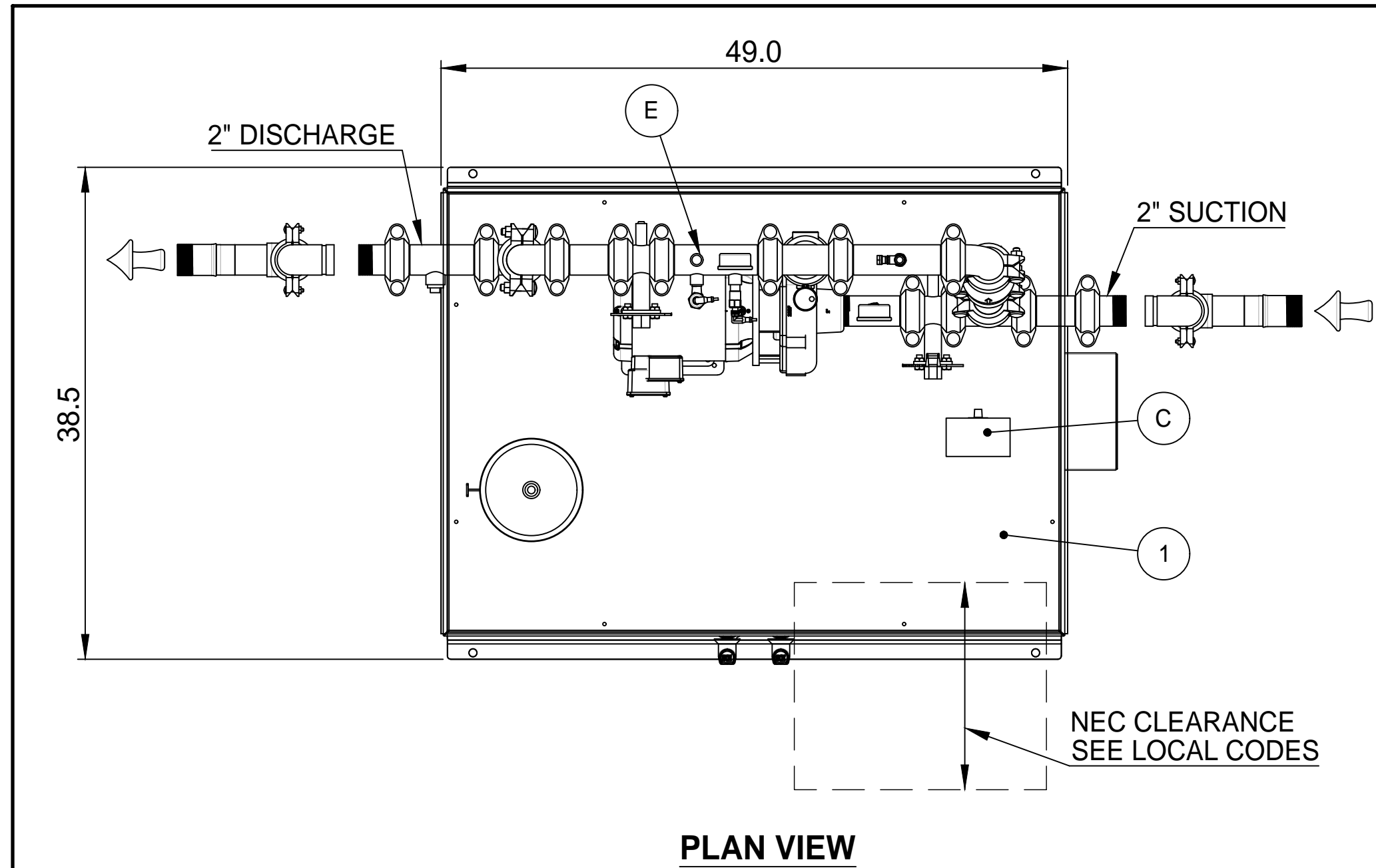
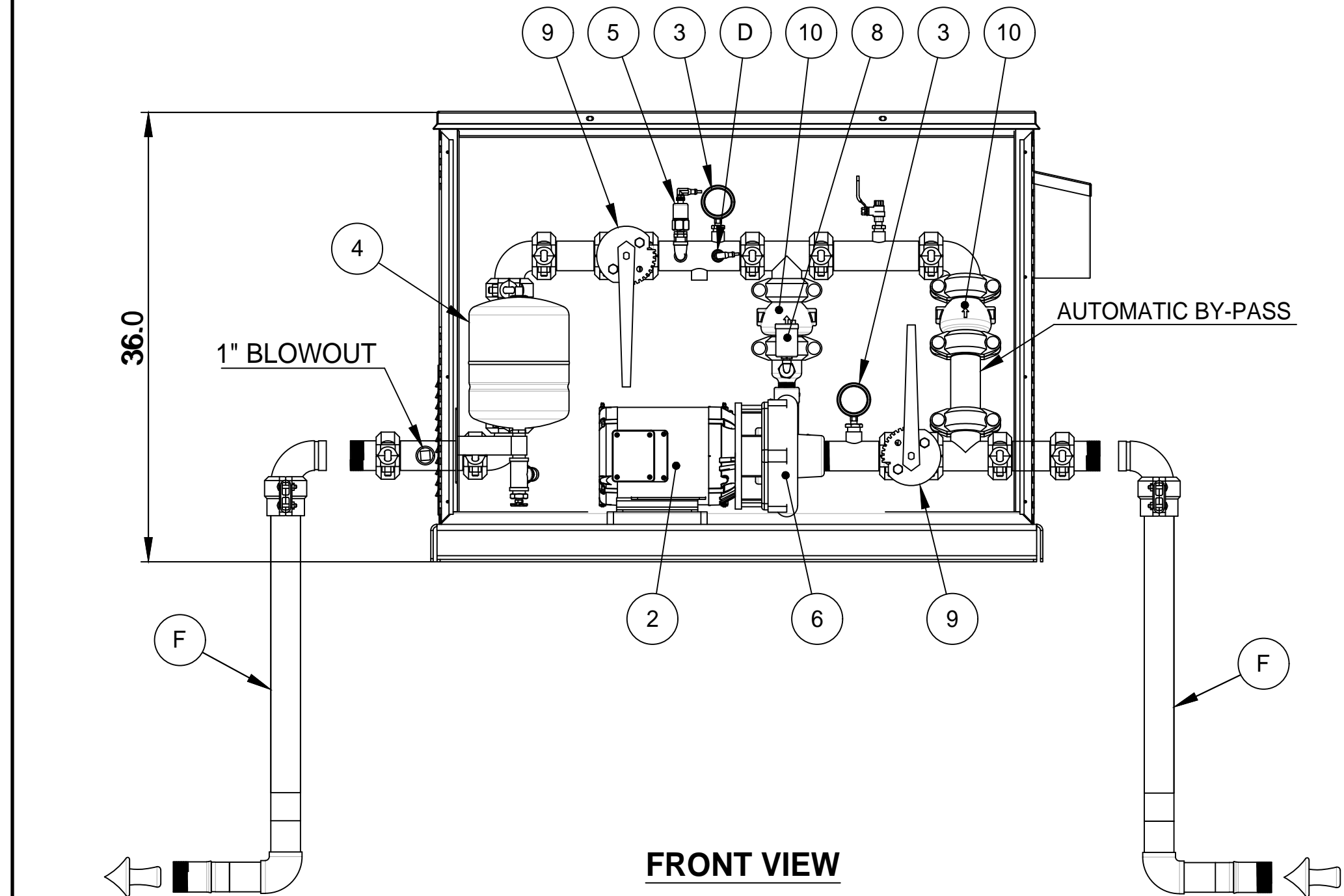


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**Custom Pump Station**

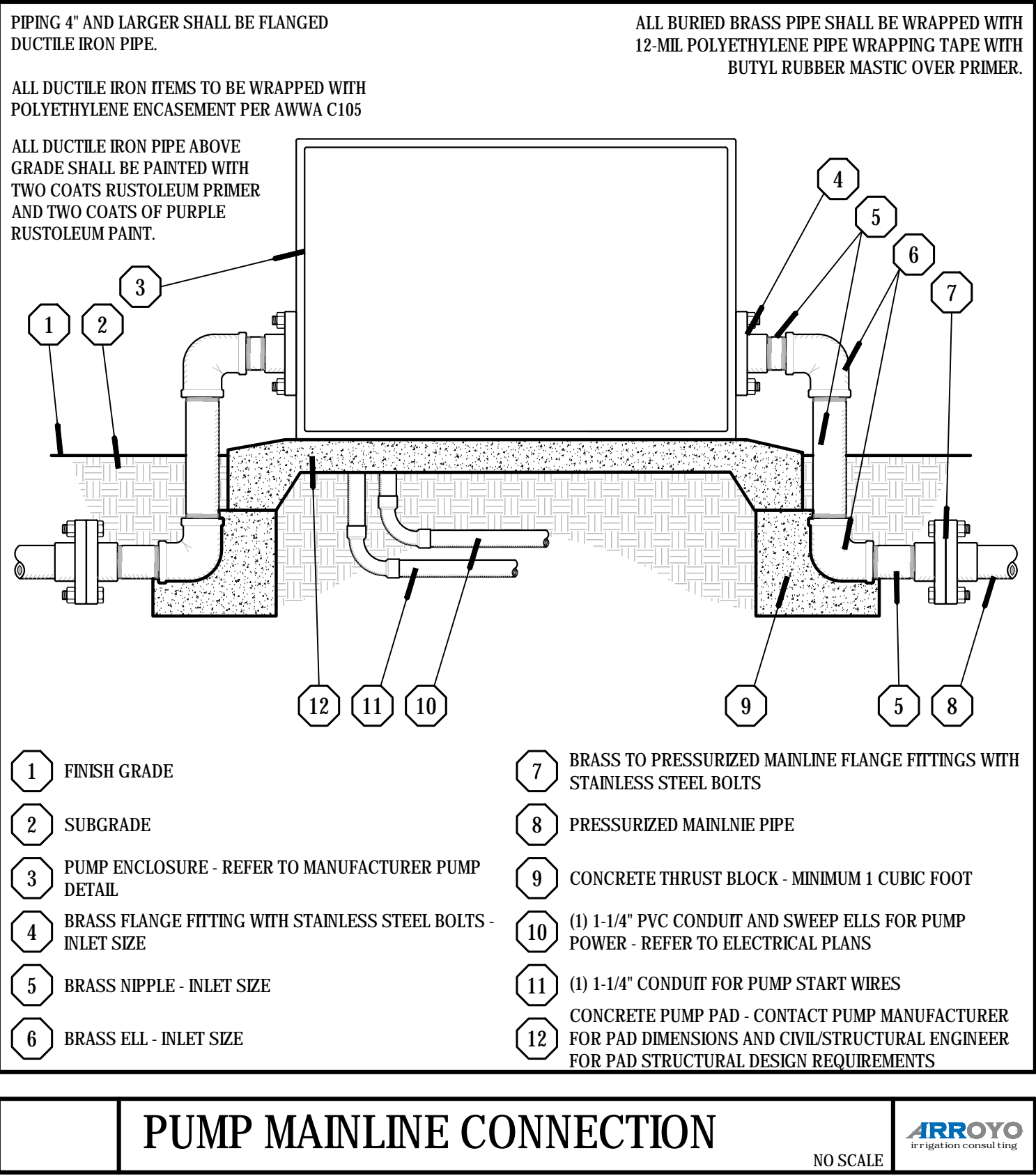
www.siteone.com



MECHANICAL DETAILS				
PIPE COMPOSITION:				
SS 304	304 STAINLESS STEEL PIPE - SCH 10			
BASE COMPOSITION:				
GALVANIZED	ASTM A36 STEEL PLATE - BREAK PRESS FOLDED - HOT DIP GALVANIZED			
GENERAL DETAILS:				
● PUMP CHECK VALVE(S)	GROOVED - Valmatic			
● STATION ISOLATION VALVE(S)	GROOVE BFV			
● PRESSURE TANK:	2 GALLON - PS KIT			
● PRESSURE CLASS:	AWWA D [175 PSI]			
COATING DETAILS:				
Pipe Interior:	STAINLESS STEEL			
Pipe Exterior:	STAINLESS STEEL			
Skid Base:	GALVANIZED			
Enclosure:	PPS BEIGE			
SENSORS				
● Suction Pressure Gauge	1	2.5" SS Liquid Filled	PSI =	0-100
● Discharge Pressure Gauge	1	2.5" SS Liquid Filled	PSI =	0-160
● Discharge Pressure Transmitter	1	IFM Stainless Steel	PSI =	0-200
OTHER				
● Intake Screen Supply Valve	NO			
● 1/2" Air Release Valve	1			
● All bare carbon steel is coated with Polyester TGIC baked on powder coating - or as otherwise specified				
● Shim Kit Provided (one per skid base)				
● Hose bib connection (where applicable)				
● Sample Tap for Potable Systems (where applicable)				
● Manifold drains (where applicable)				
ENCLOSURE DETAILS				
ENCLOSURE TYPE:				
● ENCLOSURE TYPE:	MARINE GRADE ALUMINUM			
● NUMBER OF ACCESS DOORS:	2			
● LID REMOVAL:	LIFT OFF			
● EXTERIOR SIDE FINISH:	MARINE GRADE ALUMINUM			
● ROOF COVERING:	MARINE GRADE ALUMINUM			
● ROOF GEOMETRY:	CROSS-BREAK			
● ALL ACCESS LOCKABLE				
● REMOVABLE SIDE PANELS FOR ACCESS ON MARINE GRADE ALUMINUM ENCLOSURES				
● ALL ALUMINUM SURFACES INCLUDE BAKED ON POWDER COAT FINISH				

 <p><b>SITEONE GREEN TECH</b> 4280 E LOWELL ST ONTARIO, CA (909) 390-4750 SITEONE.COM</p>	MATERIAL		TITLE:	
	(SEE NOTE)		BOOSTER W/ BYPASS PUMP STATION	
	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/8" ONE PLACE DECIMAL: ±.10 TWO PLACE DECIMAL: ±.05 DO NOT SCALE DRAWING		PROJECT:	MCFARLAND POLICE STATION
	DRAWN:		LEVEL:	SPEC
DATE: XX/XX/XXXX		PART NO:	PAP-26456	
WEIGHT: 1307.29		SIZE: B	SCALE: NTS	SHEET: 1 OF 1
		REV:		

**NOTE:**  
THIS DRAWING IS FOR REPRESENTATIONAL PURPOSES ONLY - SEE QUOTE OR SUBMITTAL SUMMARY FOR:  
-PRICING  
-DESIGN PARAMETERS  
-COATINGS  
-MATERIALS OF CONSTRUCTION  
-INCLUDED EQUIPMENT, DEVICES AND ACCESSORIES



PUMP MAINLINE CONNECTION	
NO SCALE	

DESIGN SPECIFICATIONS				
Design Flow Rate:	-	20 GPM	@	21 PSI Boost
Duty Pump Details:	-	2HP/Pump	20 GPM	@ 55 TDH
Minimum Power:	-	208 Volt	/	3 Phase
Model #	-	PAP-26456		
ITEM NO.	DESCRIPTION	Size	QTY.	
1	CONTROL PANEL	30x20x10	1	
2	MOTOR	2HP	1	
3	PRESSURE GAUGE	2-1/2"	2	
4	PRESSURE TANK	2 Gal	1	
5	PRESSURE TRANSMITTER	1/4"	1	
6	PUMP, CENTRIFUGAL		1	
7	SKID, BENT	48"x33"	1	
8	VALVE, 1/4", AIR VENT	1/4"	1	
9	VALVE, 2" GROOVED BUTTERFLY VALVE, LEVER OPERATED	2"	2	
10	VALVE, 2" GROOVED, CHECK	2"	2	
AVAILABLE ACCESSORIES (SEE NOTE)				
A	ENCLOSURE, MARINE GRADE ALUMINUM	48x33x32	1	
B	INSULATION / SOUND ATTENUATION			
C	HEATER		1	
D	NMP INSERTION FLOW METER	INCLUDED	1	
E	HIGH PRESSURE SWITCH		1	
F	DROP PIPE -- 2" HDPE	INCLUDED	1	

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

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KEY PLAN

SCALE

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IRRIGATION PUMP DETAILS

PROJECT NO. 50184767

L3.404

SHEET NO.

CITY OF MCFARLAND, CALIFORNIA

402 Mast Avenue  
McFarland, CA 93250

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PLANTING NOTES:

1. ALL LANDSCAPE AREAS SHALL DRAIN AS SHOWN ON THE CIVIL ENGINEERING PLANS. ALL AREAS SHALL SHEET FLOW AT 2% MINIMUM TO AREA DRAINS UNLESS OTHERWISE NOTED ON THE APPROVED PRECISE GRADING & DRAINAGE PLANS.
2. REFER TO THE LANDSCAPE CONSTRUCTION PLANS FOR ALL CONSTRUCTION FEATURES SHOWN HEREON. CONTRACTOR TO REVIEW THE PLANS, STAKE PROPOSED TREES AND MARK SHRUB AREAS FOR REVIEW. FINAL TREE AND SHRUB PLACEMENT TO BE APPROVED BY OWNER/LANDSCAPE ARCHITECT PRIOR TO PLANTING.
3. ALL SHRUB PLANTING AREAS TO BE MULCHED WITH A THREE (3") INCH LAYER OF ORGANIC LANDSCAPE WOOD CHIP MULCH AS REFERENCED ON THE APPROVED PLANS. KEEP MULCH 3" CLEAR OF PLANT STEM AND 6" OF TREES. CONTRACTOR SHALL PROVIDE MULCH SUBMITTAL FOR REVIEW WITH HORTICULTURAL SOILS REPORT. MULCH TO BE REVIEWED/ APPROVED BY THE OWNER/ LANDSCAPE ARCHITECT PRIOR TO DELIVERY. LANDSCAPE MULCH SHALL MATCH 1-1/2" TO 3" FOREST FLOOR OR APPROVED EQUAL. PRE-EMERGENT TO BE APPLIED BEFORE MULCH LAYER IS INSTALLED TO PREVENT WEEDS. WEEDS SHALL BE REMOVED BEFORE 2" HIGH OR WEED SEEDS DEVELOP.
4. ALL TREES, EXCEPT PALMS, THAT ARE CLOSER THAN FIVE FEET (5') TO HARDSCAPE AND VERTICAL SITE ELEMENTS SHALL BE PLANTED WITH AN OWNER / GOVERNING AGENCY APPROVED LINEAR ROOT BARRIER. ROOT BARRIERS SHALL BE MIN. 12" DEEP. REFER TO TREE/ ROOT BARRIER DETAIL.
5. CONTRACTOR IS TO PROVIDE APPROVED ROOT BARRIERS TO ALL TREES AS NEEDED. REFER TO THE ROOT BARRIER CALL OUT/ SYMBOLS AS SHOWN AND DETAILS. IT'S THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PLANS AND PROVIDE TREE ROOT BARRIERS AS NEEDED TO COMPLY WITH THE GOVERNING AGENCIES MINIMUM SETBACK REQUIREMENTS.

6. REFER TO THE CITY OF MCFARLAND STANDARD FOR ALL TREE PLANTING SETBACK REQUIREMENTS. CONTRACTOR SHALL INFORM THE OWNER AND LANDSCAPE ARCHITECT IMMEDIATELY OF ANY PLAN DISCREPANCIES BETWEEN THE STANDARD AND THE COUNTY APPROVED LANDSCAPE PLANS.
7. ALL SHRUBS SHALL BE PLANTED 2'-0" MIN (UNLESS OTHERWISE SPECIFIED ON PLAN) FROM BACK OF WALKS, EDGES OF HARDSCAPE AREAS AND OUTSIDE OF SWALES AND FLOWLINES SHOWN ON THE CIVIL ENGINEERING PLANS.
8. THIS PLANTING DESIGN/ LAYOUT IS DERIVED IN CONJUNCTION WITH THE CURRENT CALIFORNIA "WUCOLS IV" WATER REQUIREMENT GUIDELINES FOR PLANT MATERIAL WATER NEEDS.
9. ALL LANDSCAPE DRAINAGE FLOW LINES SHALL BE CLEAR OF ANY DEBRIS, MULCH, ETC. TO PROMOTE UNOBSTRUCTED FLOW TO AREA DRAINS. MAINTAIN DRAINAGE FLOWLINES AS SHOWN ON THE CIVIL ENGINEERING PLANS.
10. TREE SHALL BE 5'-0" MINIMUM AWAY FROM CONCRETE V-DITCHES/ BENCH DRAINS.
11. LANDSCAPE AREAS WHERE COMPACTION HAS OCCURED DUE TO GRADING ACTIVITIES AND WHERE TREES AND STORMWATER INFILTRATION AREAS ARE LOCATED SHALL BE LOOSENEED BY SOIL FRACTURING.
12. ALL LANDSCAPE SLOPES 3:1 OR GREATER TO HAVE JUTE MATTING INSTALLED AND ALL LANDSCAPE SLOPES 2:1 OR GREATER TO HAVE EROSION CONTROL BLANKETS INSTALLED WITH 3-YEAR DURABILITY.

PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	SIZE	WUCOLS	QTY	REMARKS
TREES					
	ARBUTUS X 'MARINA' MARINA STRAWBERRY TREE MULTI-TRUNK	24" BOX	L	7	
	MAGNOLIA GRANDIFLORA 'ST. MARY' ST. MARY SOUTHERN MAGNOLIA	24" BOX - STANDARD TRUNK	M	22	

INDICATES TREES WITH  
ROOT BARRIER PER DETAIL  
'F', SHEET L4.401.



Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

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CRAFT STUDIO Inc.

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CITY OF MCFARLAND POLICE DEPARTMENT

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McFarland, CA 93250

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ KY  
CHECKED BY \_\_\_\_\_ JS  
DATE \_\_\_\_\_ 10/29/2025  
TITLE

PLANTING PLAN  
-TREES-

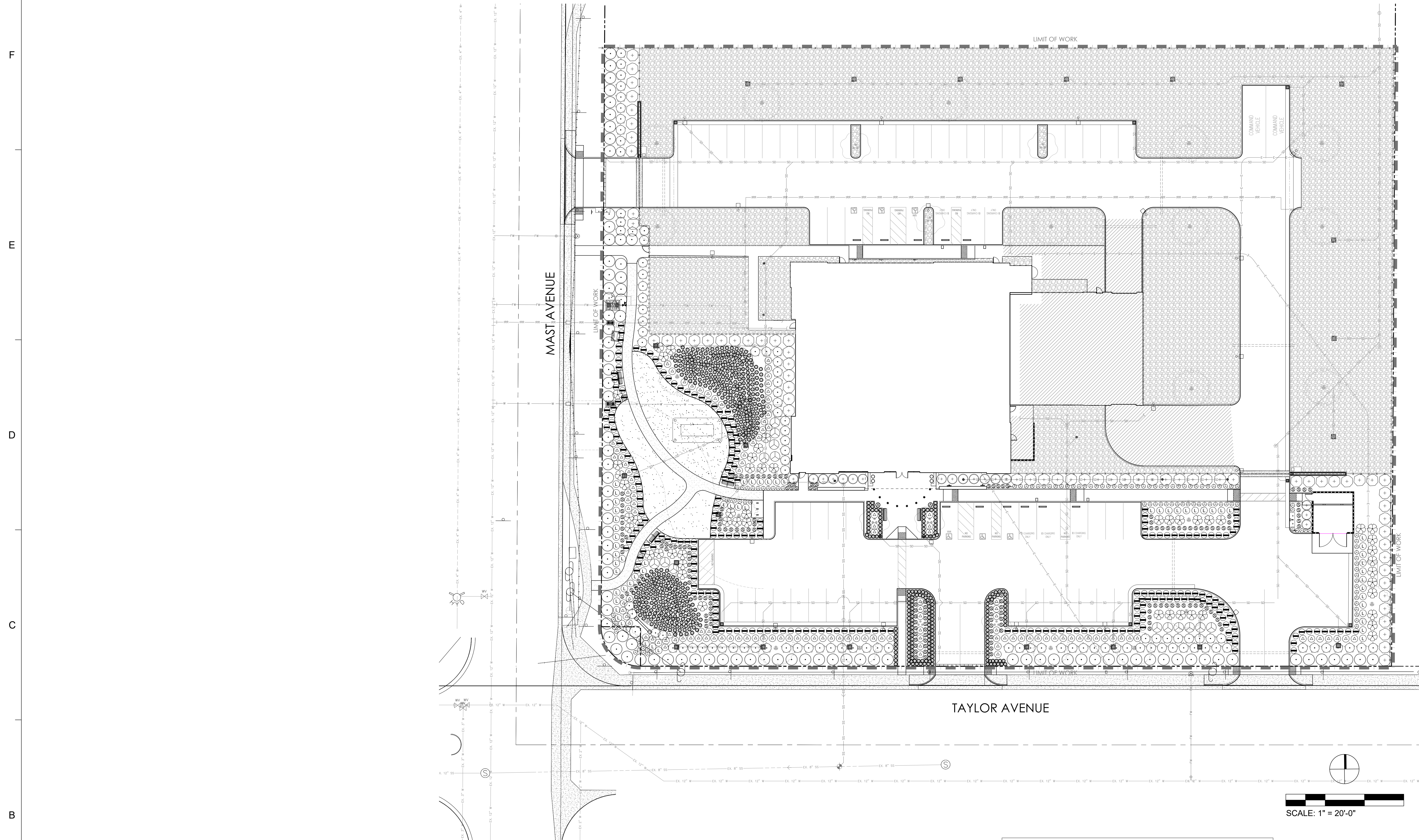
PROJECT NO. 50184767  
LCS2025026

L4.101

SHEET NO.

AGENCY SUBMITTAL #1 / OWNER REVIEW 10/29/2025





## PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	SIZE	WUCOLS	QTY
	BACCHARIS PILULARIS 'PIGEON POINT' PIGEON POINT COYOTE BRUSH	5 GAL.	L	93
	CAREX DIVULSA EUROPEAN GREY SEDGE	1 GAL.	L	657
	CISTUS X PURPUREUS ORCHID ROCKROSE	5 GAL.	L	14
	ERIGERON X 'WR' WR HYBRID SEASIDE DAISY	1 GAL.	L	113
	GAURA LINDHEIMERI GAURA	1 GAL.	L	123
	LANTANA X 'NEW GOLD' NEW GOLD LANTANA	5 GAL.	L	61
	LEUCOPHYLLUM FRUTESCENS TEXAS SAGE	5 GAL.	L	98
	LIGUSTRUM JAPONICUM 'TEXANUM' TEXAS JAPANESE PRIVET	15 GAL.	L	66
	LOMANDRA LONGIFOLIA 'BREEZE' BREEZE™ MATH RUSH	1 GAL.	L	236
	SALVIA CLEVELANDII 'ALLEN' CHICKERING	5 GAL.	L	50
	ALLEN CHICKERING CLEVELAND SAGE SALVIA GREGGII	1 GAL.	L	170
	AUTUMN SAGE WESTRINGIA FRUTICOSA	5 GAL.	L	17
	COAST ROSEMARY			
	MARATHON II SOD	SOD	H	SQ. FT.

### PLANTING NOTES

1. ALL LANDSCAPE AREAS SHALL DRAIN AS SHOWN ON THE CIVIL ENGINEERING PLANS. ALL AREAS SHALL SHEET FLOW AT 2% MINIMUM TO AREA DRAINS UNLESS OTHERWISE NOTED ON THE APPROVED PRECISE GRADING & DRAINAGE PLANS.
2. REFER TO THE LANDSCAPE CONSTRUCTION PLANS FOR ALL CONSTRUCTION FEATURES SHOWN HEREON. CONTRACTOR TO REVIEW THE PLANS, STAKE PROPOSED TREES AND MARK SHRUB AREAS FOR REVIEW. FINAL TREE AND SHRUB PLACEMENT TO BE APPROVED BY OWNER/LANDSCAPE ARCHITECT PRIOR TO PLANTING.
3. ALL SHRUB PLANTING AREAS TO BE MULCHED WITH A THREE (3") INCH LAYER OF ORGANIC LANDSCAPE WOOD CHIP MULCH AS REFERENCED ON THE APPROVED PLANS. KEEP MULCH 3" CLEAR OF PLANT STEM AND 6" OF TREES. CONTRACTOR SHALL PROVIDE MULCH SUBMITTAL FOR REVIEW WITH HORTICULTURAL SOILS REPORT. MULCH TO BE REVIEWED/ APPROVED BY THE OWNER/ LANDSCAPE ARCHITECT PRIOR TO DELIVERY. LANDSCAPE MULCH SHALL MATCH 1-1/2" TO 3" FOREST FLOOR OR APPROVED EQUAL. PRE-EMERGENT TO BE APPLIED BEFORE MULCH LAYER IS INSTALLED TO PREVENT WEEDS. WEEDS SHALL BE REMOVED BEFORE 2" HIGH OR WEED SEEDS DEVELOP.
4. REFER TO THE CITY OF MCFARLAND STANDARD FOR ALL TREE PLANTING SETBACK REQUIREMENTS. CONTRACTOR SHALL INFORM THE OWNER AND LANDSCAPE ARCHITECT IMMEDIATELY OF ANY PLAN DISCREPANCIES BETWEEN THE STANDARD AND THE COUNTY APPROVED LANDSCAPE PLANS.
5. ALL SHRUBS SHALL BE PLANTED 2'-0" MIN (UNLESS OTHERWISE SPECIFIED ON PLAN) FROM BACK OF WALKS, EDGES OF HARDSCAPE AREAS AND OUTSIDE OF SWALES AND FLOWLINES SHOWN ON THE CIVIL ENGINEERING PLANS.
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8. LANDSCAPE AREAS WHERE COMPACTION HAS OCCURED DUE TO GRADING ACTIVITIES AND WHERE TREES AND STORMWATER INFILTRATION AREAS ARE LOCATED SHALL BE LOOSEENED BY SOIL FRACTURING.
9. ALL LANDSCAPE SLOPES 3:1 OR GREATER TO HAVE JUTE MATTING INSTALLED AND ALL LANDSCAPE SLOPES 2:1 OR GREATER TO HAVE EROSION CONTROL BLANKETS INSTALLED WITH 3-YEAR DURABILITY.







[illegible]

DRAWN BY	JQ
APPROVED BY	PE
CHECKED BY	JN
DATE	10/29/2025

TITLE

PROPOSED SITE  
PLAN


PROJECT NO.	50184767
-------------	----------

SHEET NO.







KEYNOTES PER SHEET	
NOTE	DESCRIPTION
10 14 00.01	EXTERIOR MONUMENT SIGN. REFER TO LANDSCAPE
26 22 00	LOW-VOLTAGE TRANSFORMERS.REFER TO ELEC DWG.
26 27 26.1	OUTLET BOX MOUNTED TO POST. REFER TO ELECTRICAL
26 33 44.1	E/V CHARGING STATION, SINGLE PORT. REFER TO ELECTRICAL
26 33 44.2	E/V CHARGING STATION, DOUBLE PORT. REFER TO ELECTRICAL
32 32 19	UNIT MASONRY LOW SEAT WALLS WITH CONCRETE CAP. REFER TO LANDSCAPE

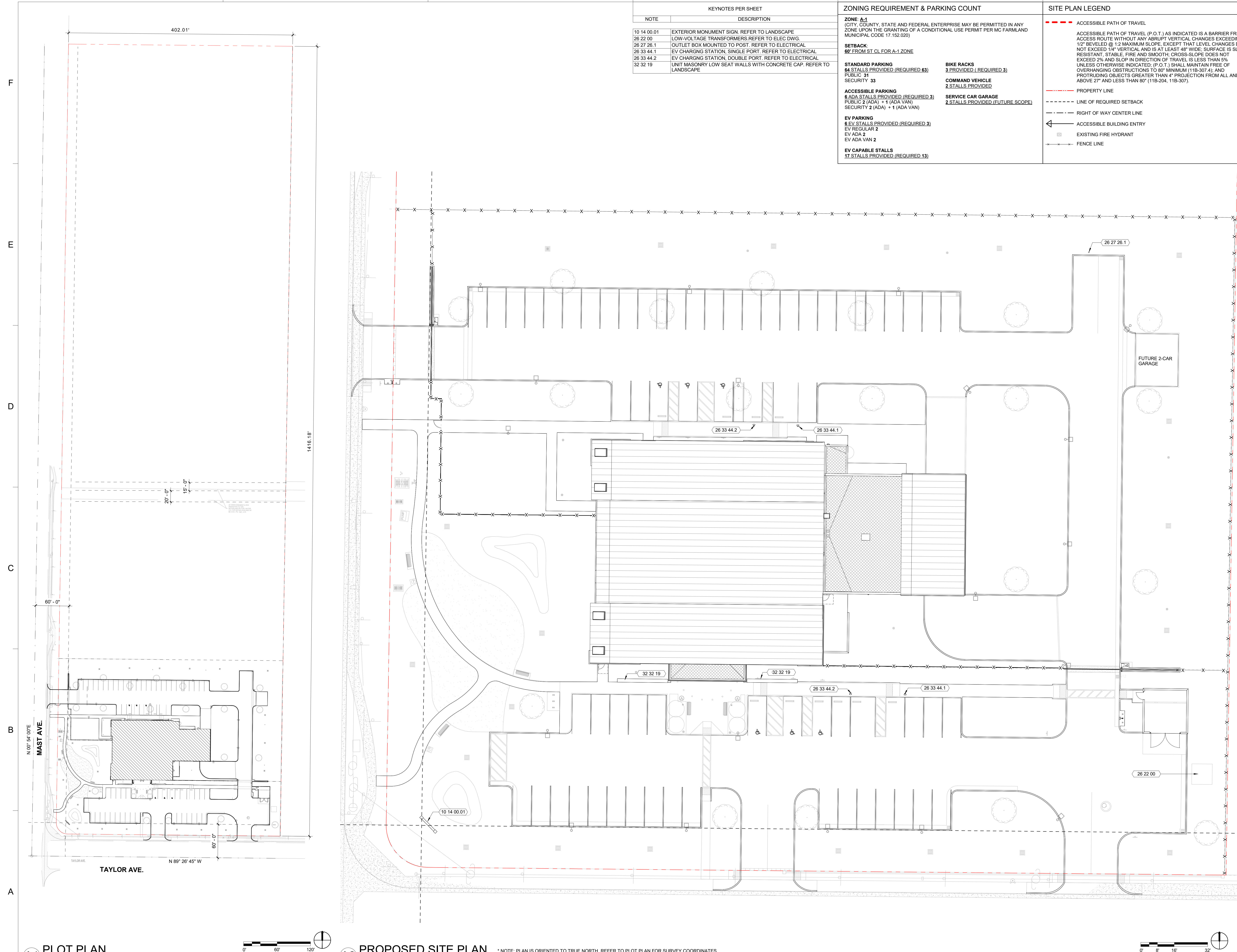
ZONING REQUIREMENT & PARKING COUNT	
<b><u>ZONE A-1</u></b> (CITY, COUNTY, STATE AND FEDERAL ENTERPRISE MAY BE PERMITTED IN ANY ZONE UPON THE GRANTING OF A CONDITIONAL USE PERMIT PER MC FARLAND MUNICIPAL CODE 17.152.020)	
<b><u>SETBACK:</u></b> <b><u>60' FROM ST CL FOR A-1 ZONE</u></b>	
<b><u>STANDARD PARKING</u></b> <b><u>64 STALLS PROVIDED (REQUIRED 63)</u></b> PUBLIC 31 SECURITY 33	<b><u>BIKE RACKS</u></b> <b><u>3 PROVIDED (REQUIRED 3)</u></b>
<b><u>ACCESSIBLE PARKING</u></b> <b><u>6 ADA STALLS PROVIDED (REQUIRED 3)</u></b> PUBLIC 2 (ADA) + 1 (ADA VAN) SECURITY 2 (ADA) + 1 (ADA VAN)	<b><u>COMMODO VEHICLE</u></b> <b><u>2 STALLS PROVIDED</u></b>
<b><u>EV PARKING</u></b> <b><u>6 EV STALLS PROVIDED (REQUIRED 3)</u></b> EV REGULAR 2 EV ADA 2 EV ADA VAN 2	<b><u>SERVICE CAR GARAGE</u></b> <b><u>2 STALLS PROVIDED (FUTURE SCOPE)</u></b>
<b><u>EV CAPABLE STALLS</u></b> <b><u>17 STALLS PROVIDED (REQUIRED 13)</u></b>	

## SITE PLAN LEGEND

-  ACCESSIBLE PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" REVELED @ 1/2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE, SURFACE IS SLIP RESISTANT, STABLE, FIRE AND SMOOTH; CROSS-SLOPE DOES NOT EXCEED 2% AND SLOP IN DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (P.O.T.) SHALL MAINTAIN FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4); AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM ALL SURFACES ABOVE 27" AND LESS THAN 80" (11B-204, 11B-307).

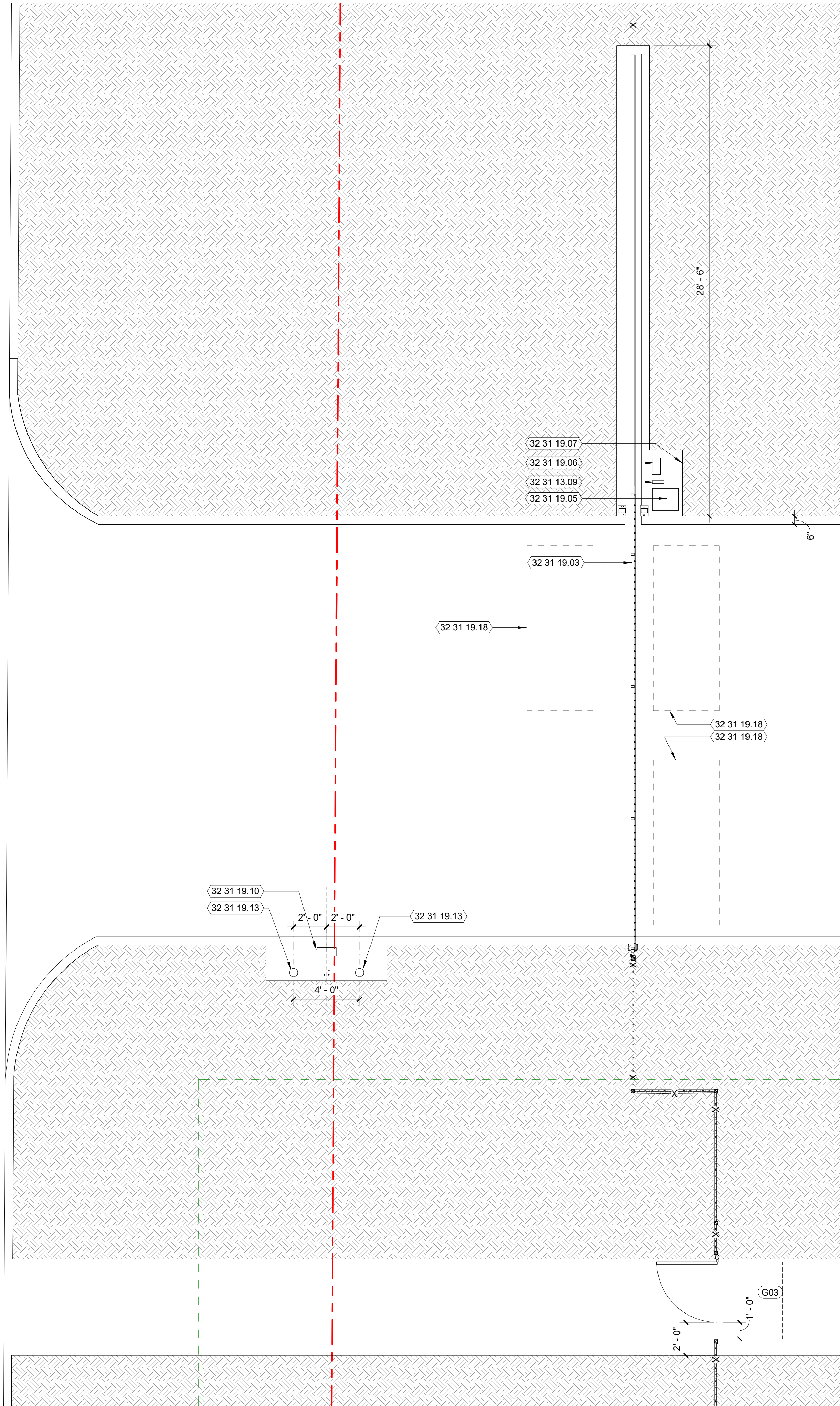
-  PROPERTY LINE
-  LINE OF REQUIRED SETBACK
-  RIGHT OF WAY CENTER LINE
-  ACCESSIBLE BUILDING ENTRY
-  EXISTING FIRE HYDRANT
-  FENCE LINE



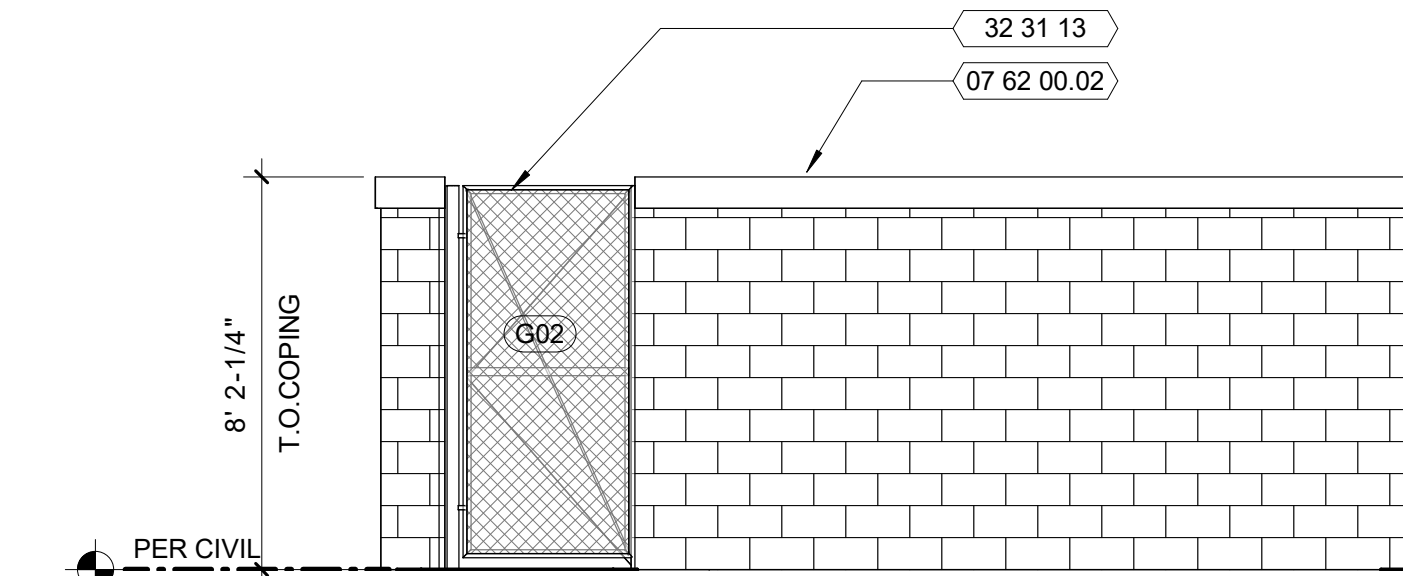


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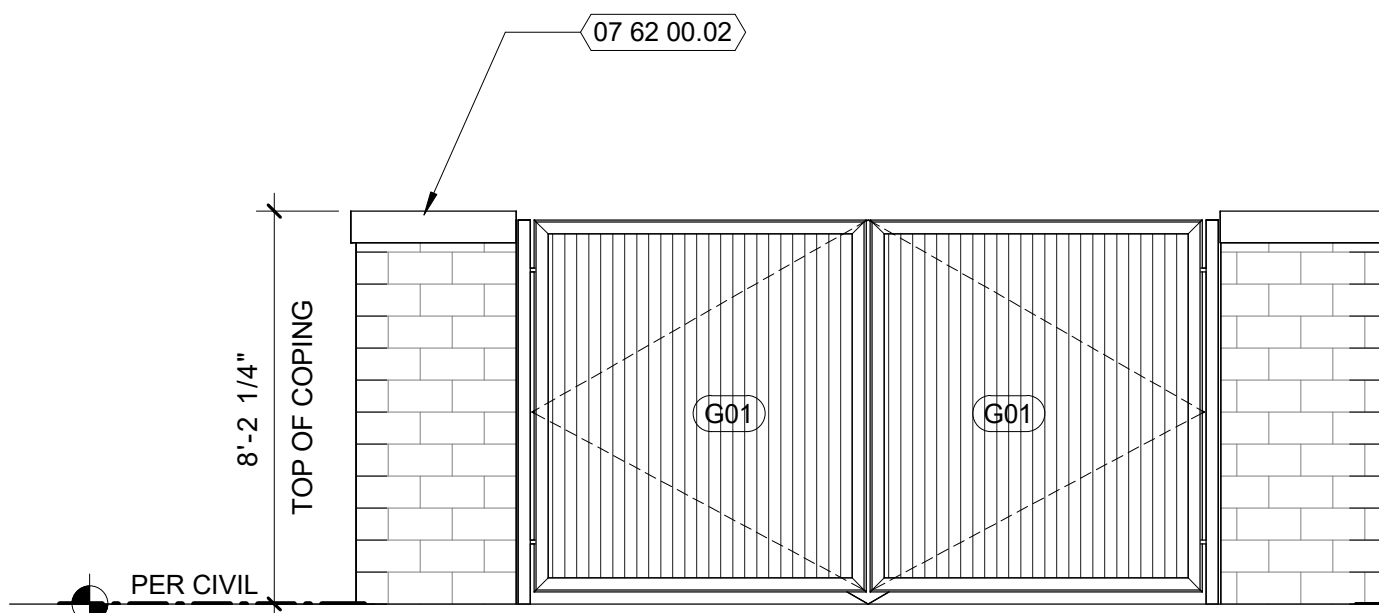
F  
E  
D  
C  
B  
A



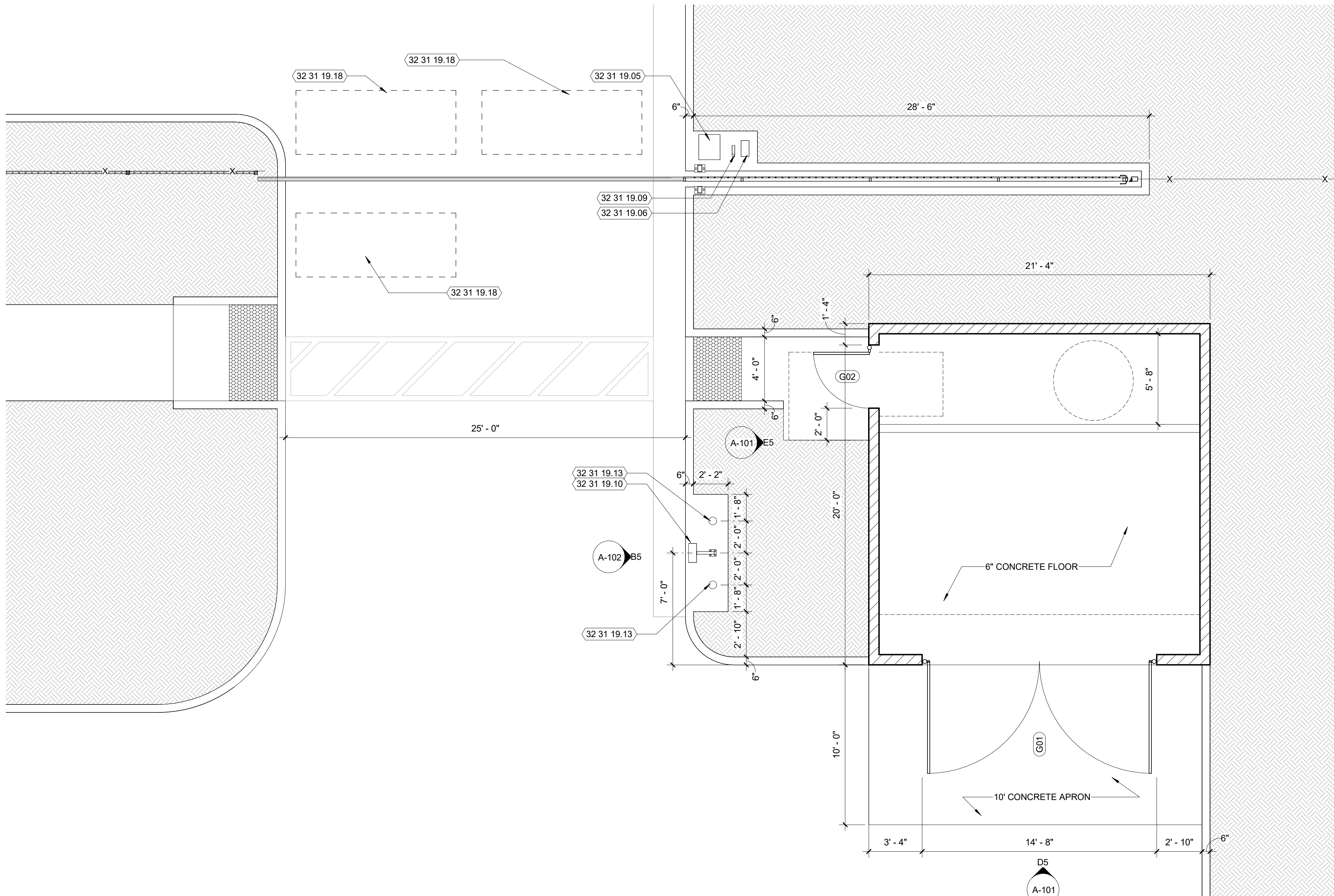
**A1** ENLARGED PLAN - SECURITY GATE - NORTH  
Scale: 1/4" = 1'-0"



**E5** ENLARGED S ELEV - TRASH ENCLOSURE  
Scale: 1/4" = 1'-0"



**D5** ENLARGED W ELEV - TRASH ENCLOSURE  
Scale: 1/4" = 1'-0"



**A3** ENLARGED PLAN - TRASH ENCLOSURE  
Scale: 1/4" = 1'-0"

KEYNOTES PER SHEET	
NOTE	DESCRIPTION
07 62 00.02	PRE-FINISHED PARAPET COPING WITH DRIP EDGE, CONCEALED FASTENING SYSTEM WITH SST. FASTENERS. COPING FINISH TO MATCH ADJACENT WALL.
32 31 13	CHAIN LINK FENCES AND GATES
32 31 13.09	PHOTOBEAM SAFETY SENSOR ON POST BY GATE OPERATOR MANUFACTURER. SET POST IN CONCRETE 3' BELOW GRADE. LOCATE SENSOR PER GATE OPERATOR MANUFACTURER
32 31 19.03	SECURITY WELDED WIRE FENCE. HEIGHT OF GATE SHALL MATCH EXISTING ADJACENT WELDED WIRE FENCE. VERIFY IN FIELD PRIOR TO FABRICATION.
32 31 19.05	GATE OPERATOR ON EQUIPMENT PAD
32 31 19.06	EXTERIOR GRADE ELECTRICAL ENCLOSURE - HOFFMAN BOX 16X12X6 IN GRAY OR SIM
32 31 19.07	CONC. EQUIPMENT PAD. ~REF. CIVIL FOR GRADING AND LOCATION. SIZE TO BE FINALIZED PER GATE MANUFACTURER
32 31 19.09	PHOTOBEAM SAFETY SENSOR ON POST BY GATE OPERATOR MANUFACTURER. SET POST IN CONCRETE 3' BELOW GRADE. LOCATE SENSOR PER GATE OPERATOR MANUFACTURER
32 31 19.10	EXTERIOR GRADE STEEL HOUSING WITH KNOX BOX. HOUSING TO BE PEDESTAL MOUNTED AT CONCRETE CURB @54" ABOVE GRADE. COLOR: BLACK
32 31 19.13	4" STEEL BOLLARD WITH CONCRETE FILL. SET BOLLARD IN CONCRETE 3' BELOW GRADE. COLOR: OSHA YELLOW
32 31 19.18	VEHICLE DETECTION LOOP BY GATE OPERATOR MANUFACTURER. INSTALL PER GATE OPERATOR MANUFACTURER



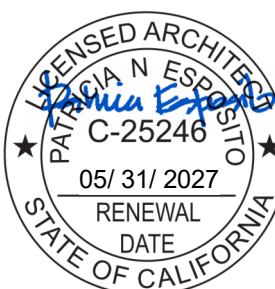
Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

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CITY OF MCFARLAND POLICE DEPARTMENT

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

DETAIL SITE  
PLANS &  
ELEVATIONS

PROJECT NO. 50184767

A-101

SHEET NO.





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REVISIONS

NO.	DESCRIPTION	DATE

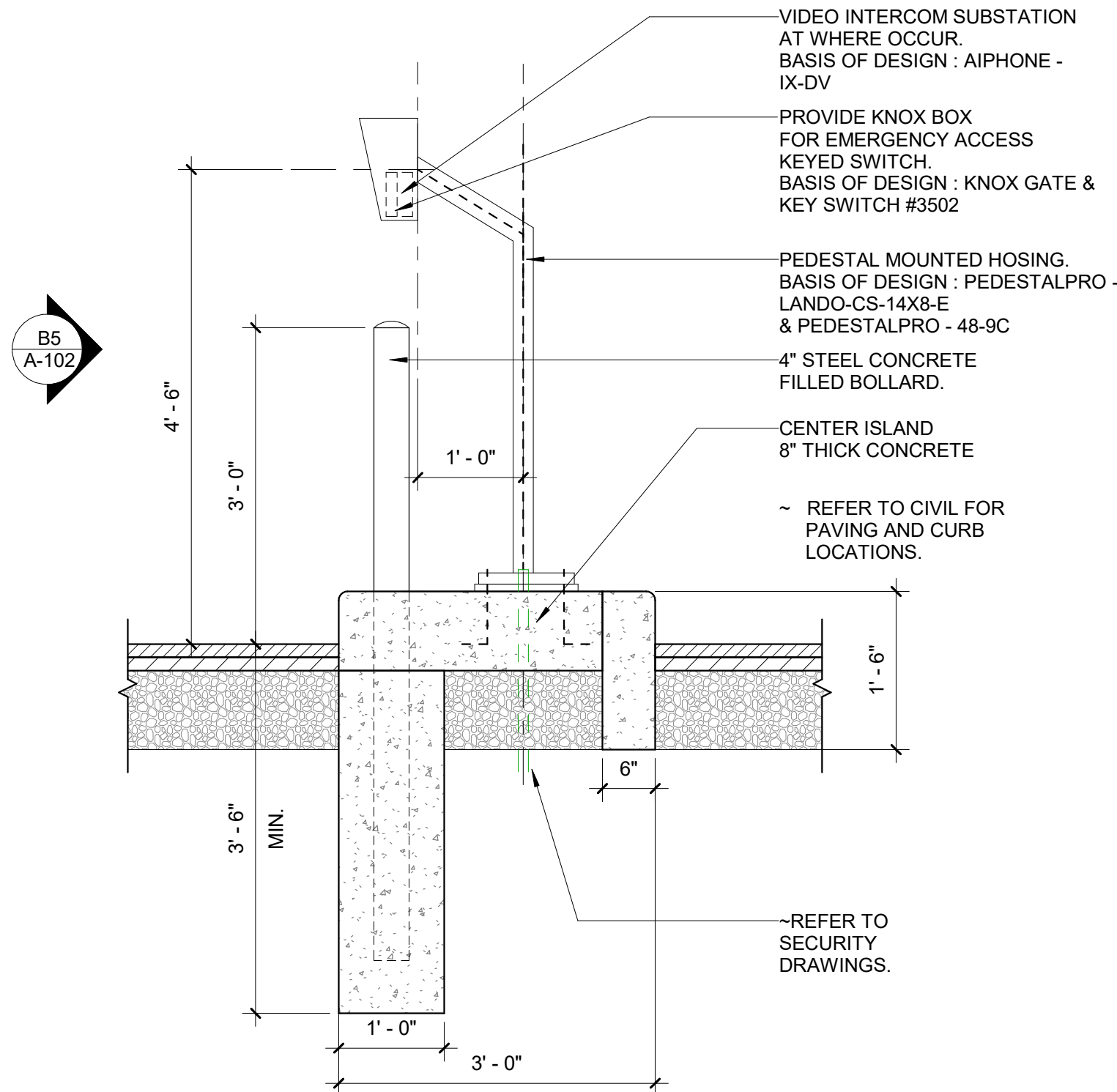
DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025  
TITLE

SITE DETAILS

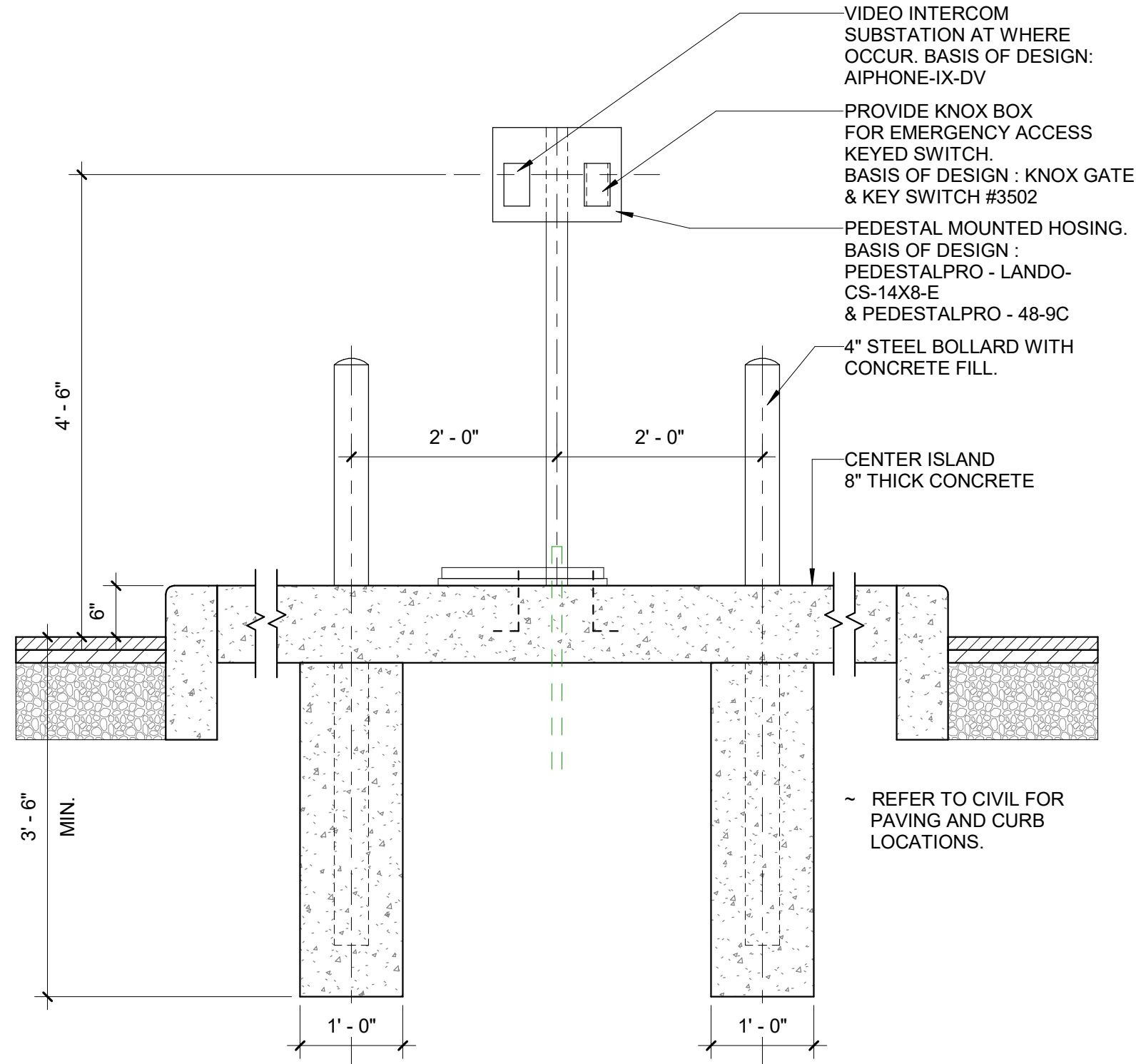
PROJECT NO. 50184767

A-102

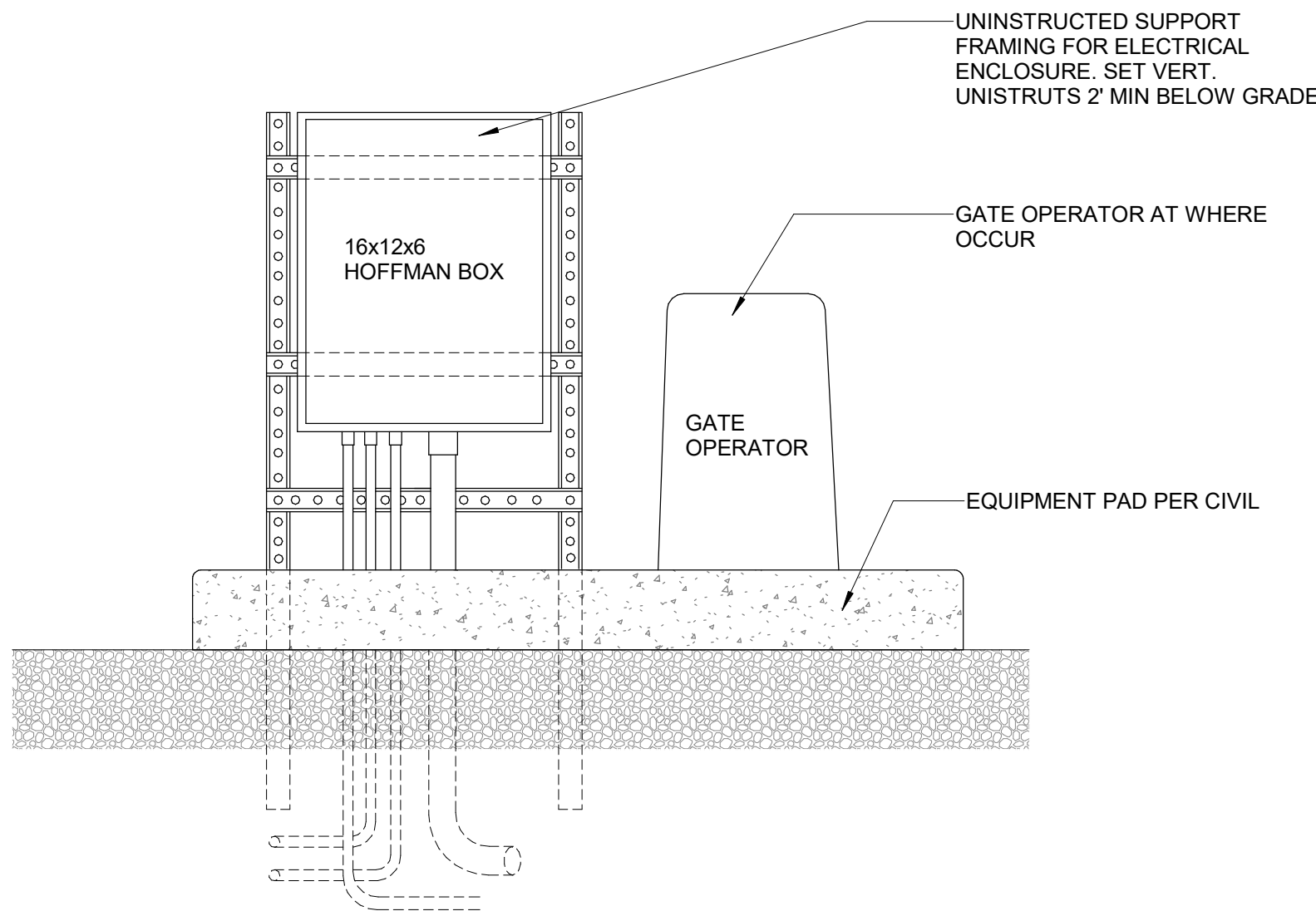
SHEET NO.



B4 VEHICLE GATE - CARD READER - SECTION  
Scale: 3/4" = 1'-0"



B5 VEHICLE GATE - CARD READER - ELEVATION  
Scale: 3/4" = 1'-0"



A5 ELECTRICAL ENCLOSURE MOUNTING DETAIL  
Scale: 1 1/2" = 1'-0"



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A

B

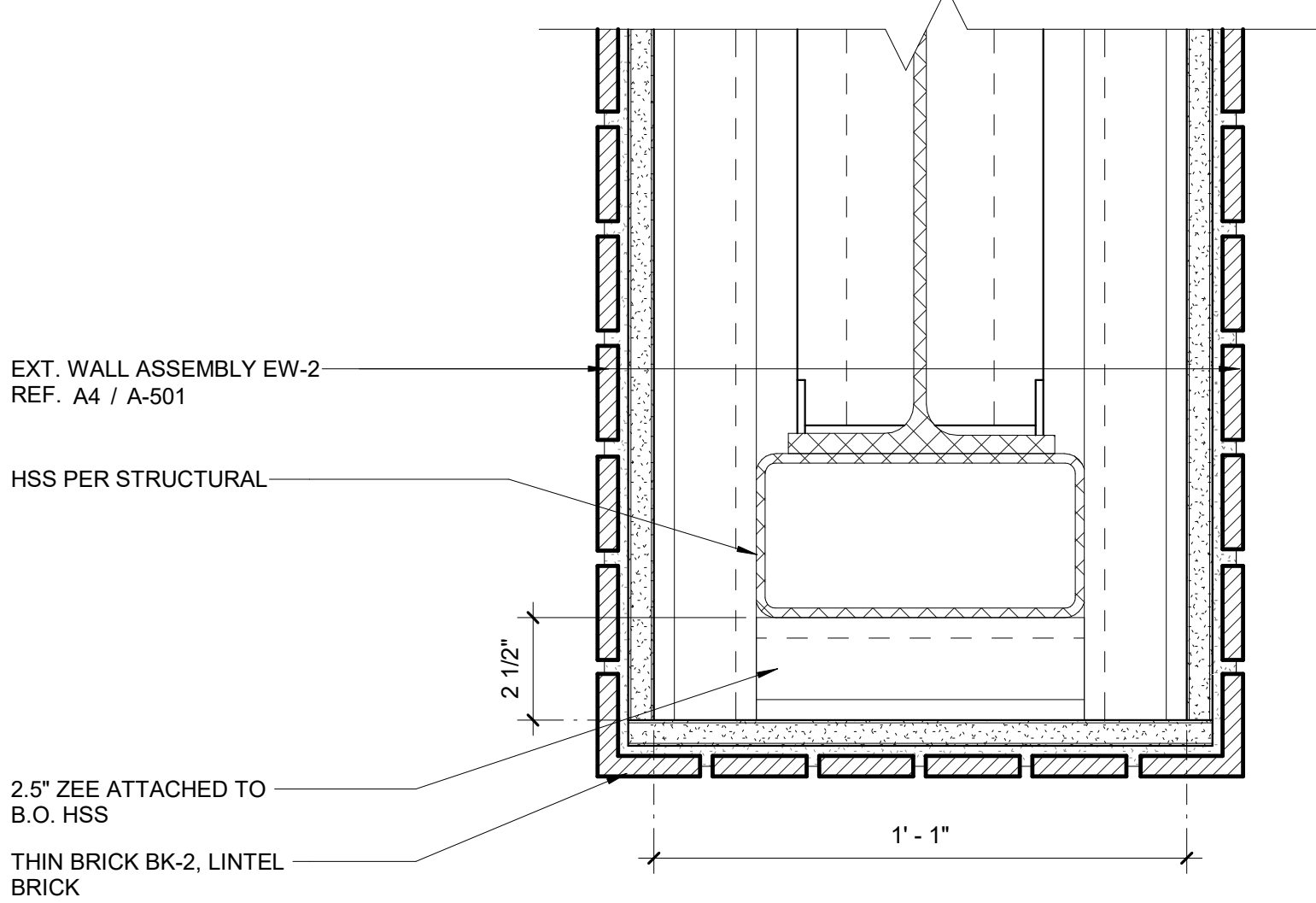
C

D

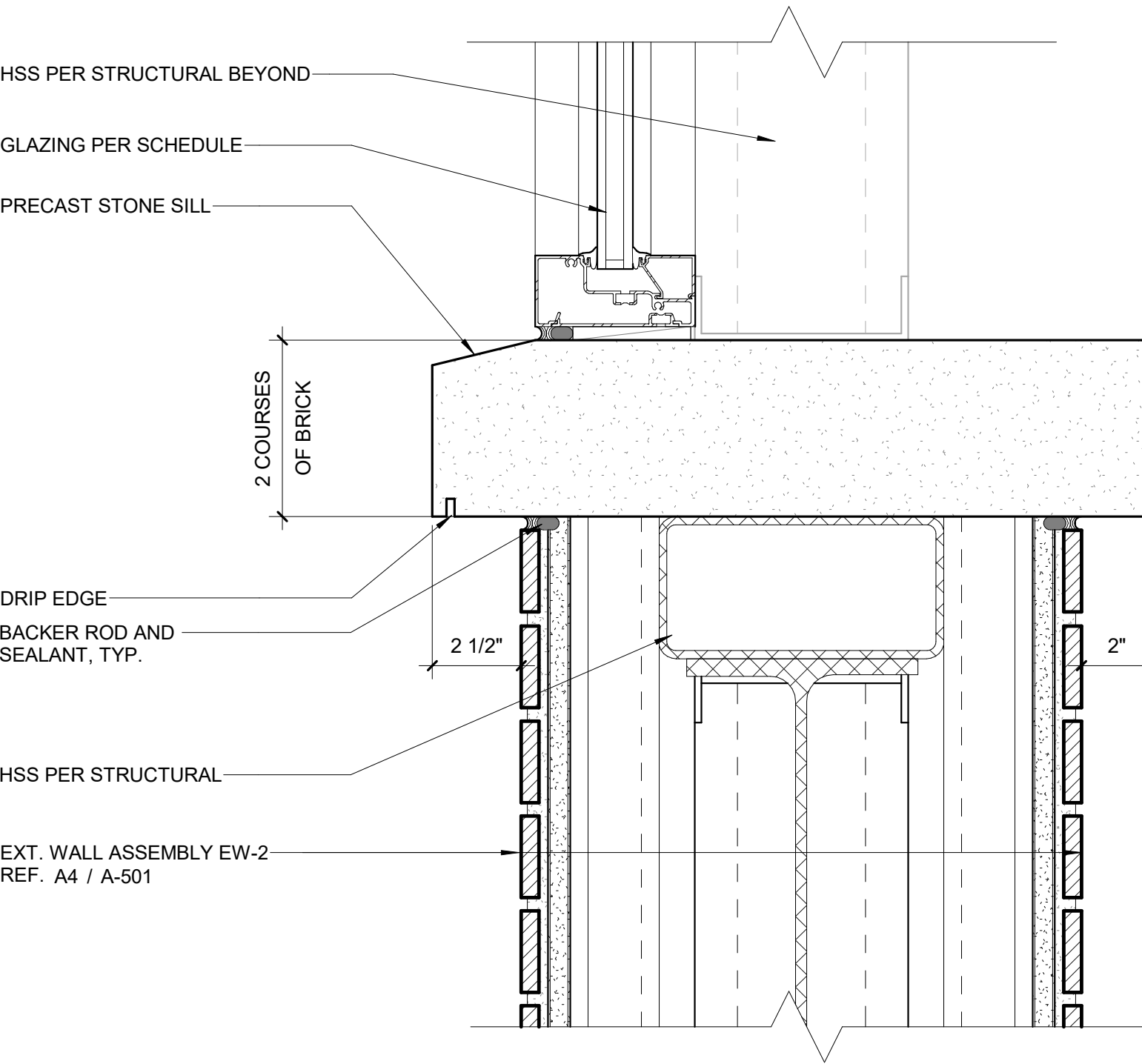
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F

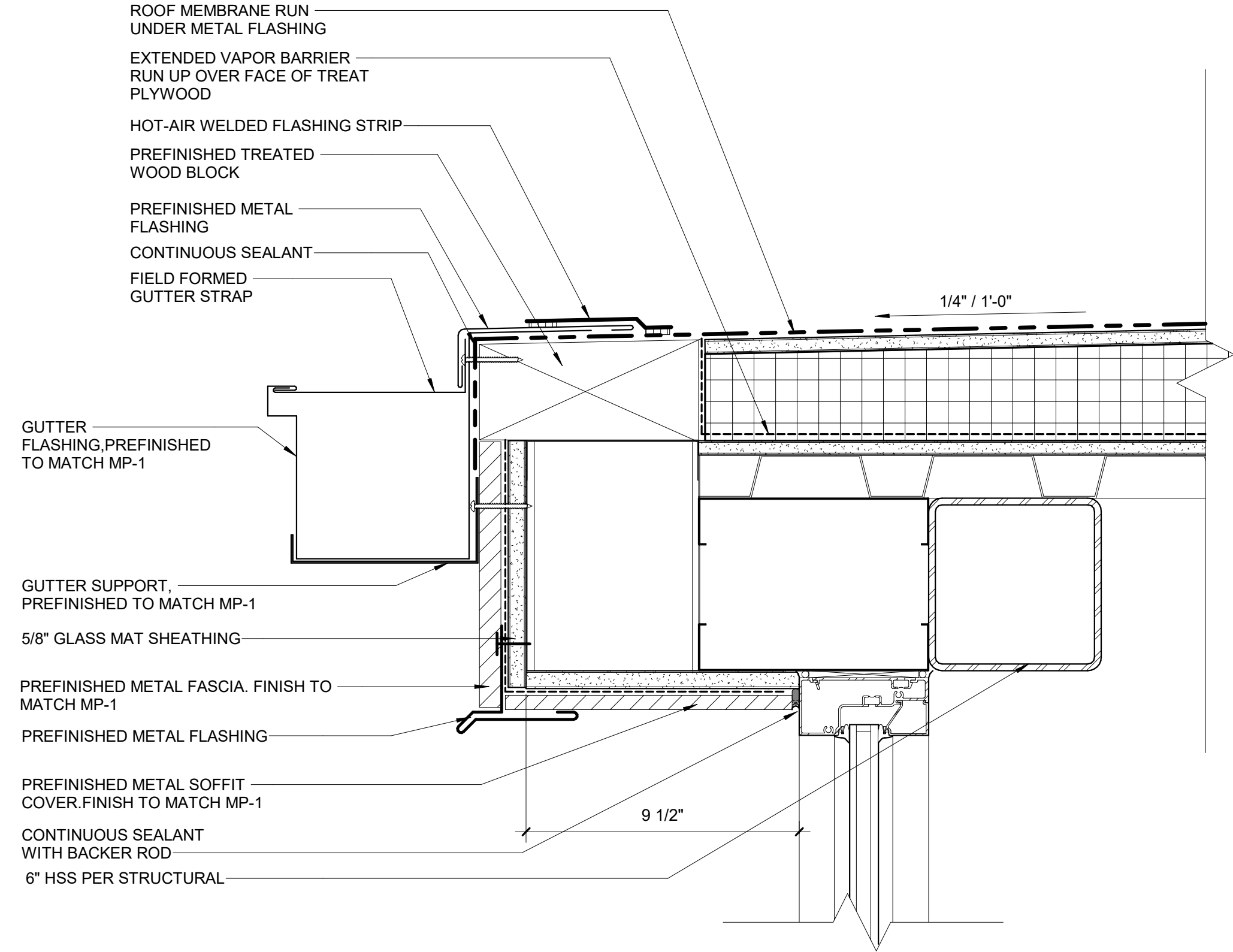
**A1 ENTRY PORTAL HEADER DETAIL**  
Scale: 3" = 1'-0"



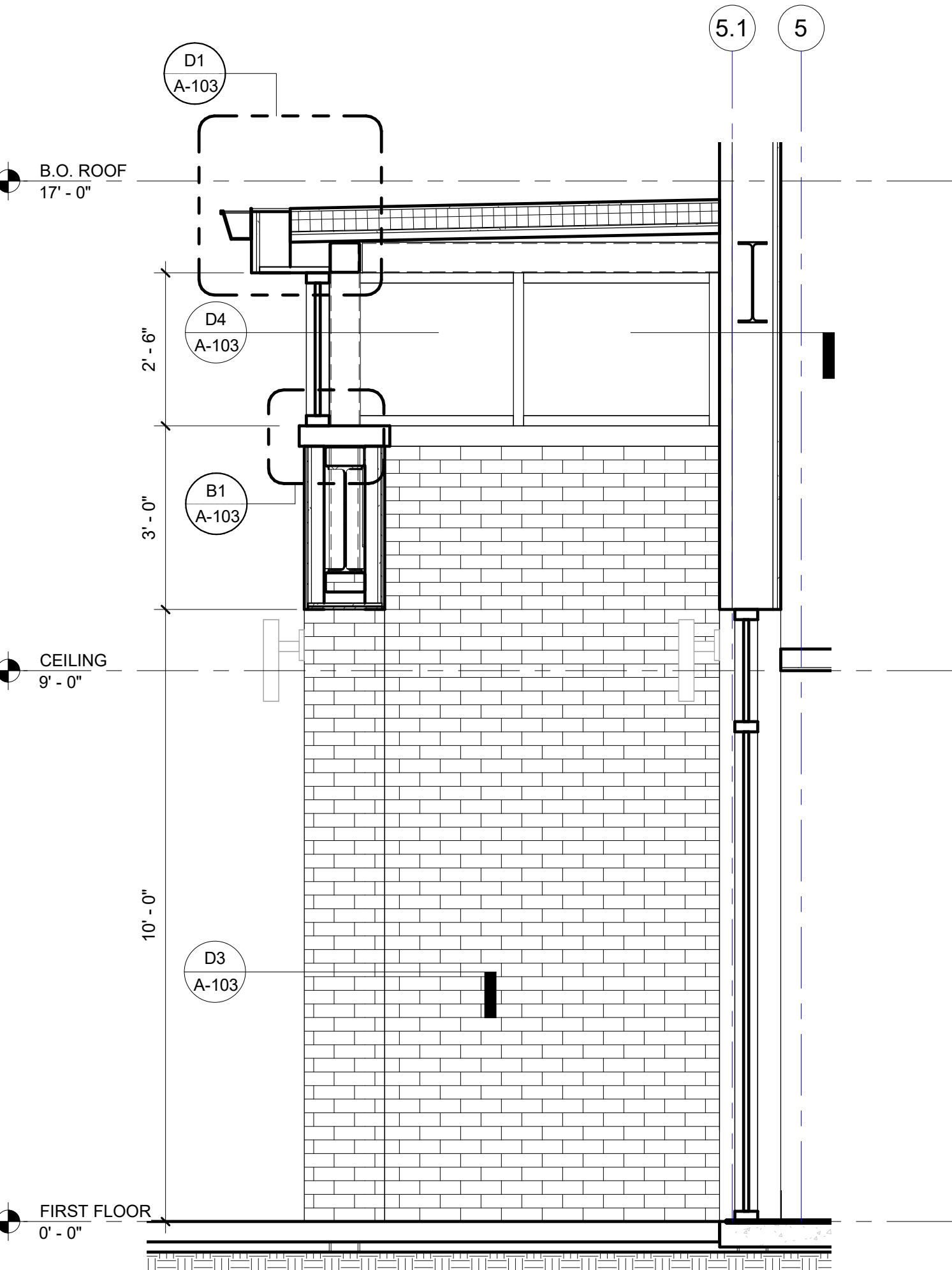
**B1 ENTRY PORTAL SILL DETAIL**  
Scale: 3" = 1'-0"



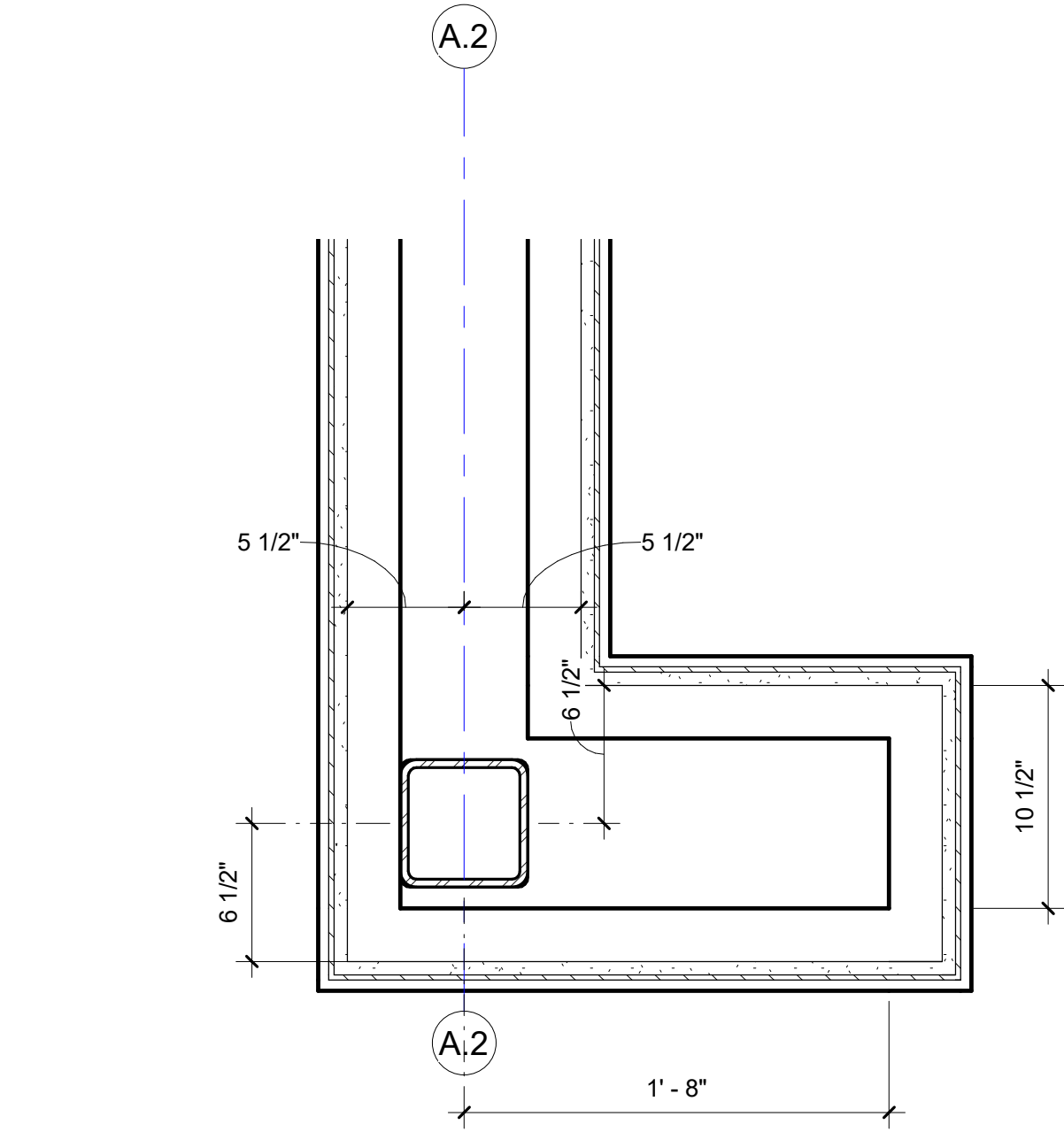
**D1 ENTRY PORTAL PARAPET DETAIL**  
Scale: 3" = 1'-0"



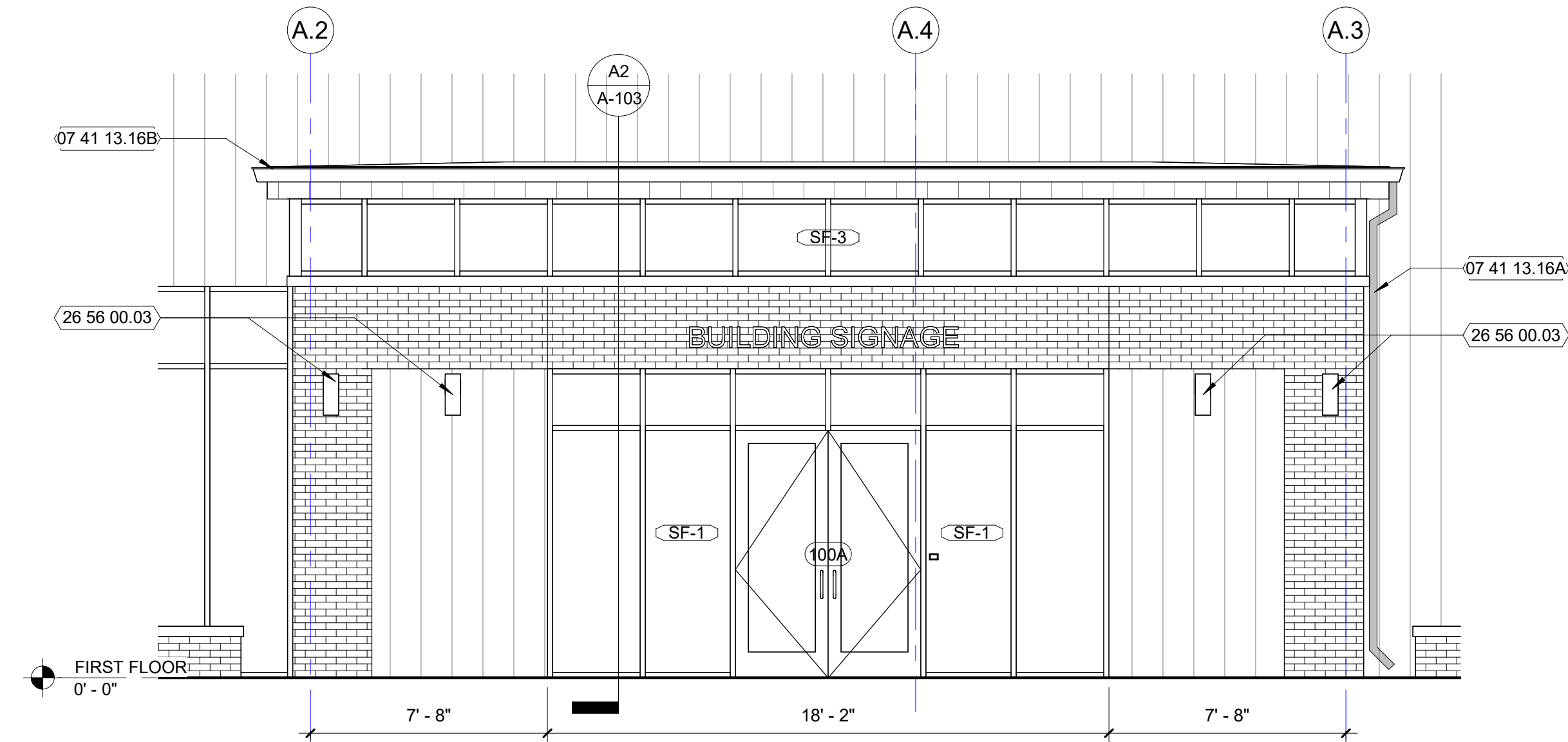
**A2 SECTION N/S - ENTRY PORTAL**  
Scale: 1/2" = 1'-0"



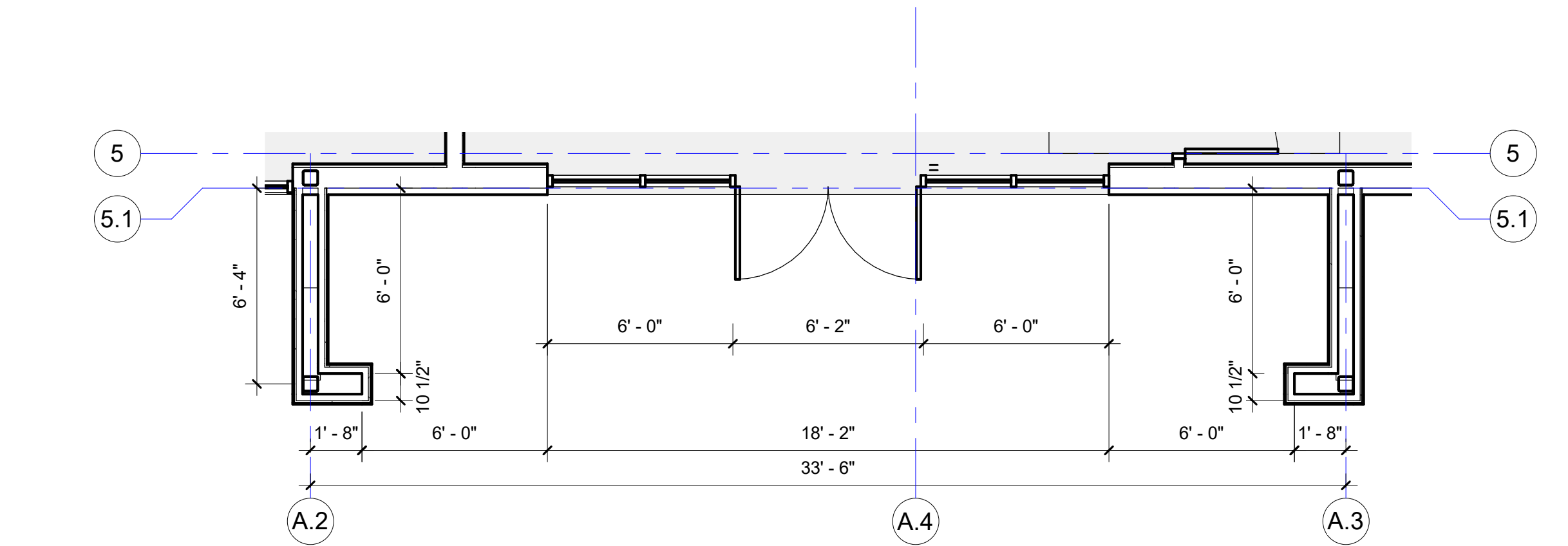
**D3 DETAIL - ENTRY WALL CORNER**  
Scale: 1 1/2" = 1'-0"



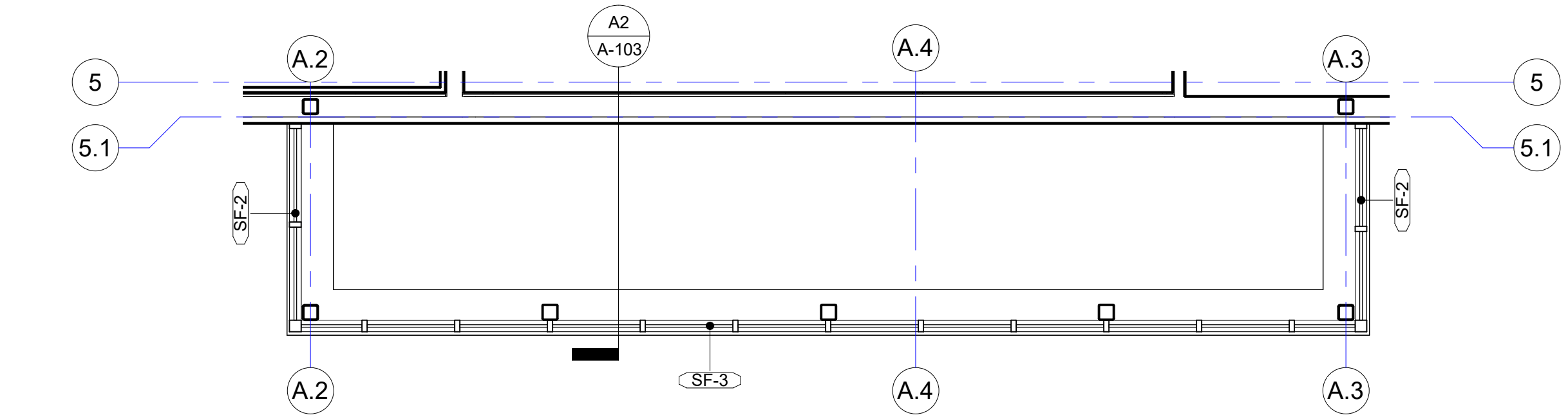
**A4 ENTRY PORTAL FRONT ELEVATION**  
Scale: 1/4" = 1'-0"



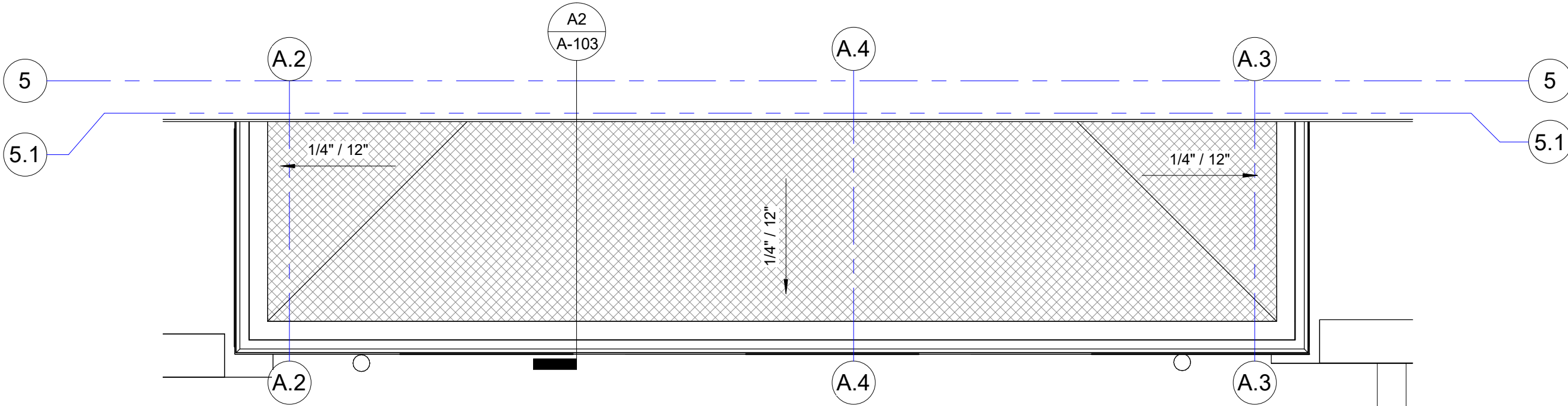
**B4 ENLARGED PLAN - ENTRY PORTAL**  
Scale: 1/4" = 1'-0"



**D4 ENLARGED PLAN - ENTRY PORTAL CLERESTORY**  
Scale: 1/4" = 1'-0"



**E4 ENLARGED ROOF PLAN - ENTRY PORTAL**  
Scale: 1/4" = 1'-0"



KEYNOTES PER SHEET	
NOTE	DESCRIPTION
07 41 13.16A	PRE-FINISHED ALUMINUM DOWNSPOUT. FINISH TO MATCH ADJACENT WALL
07 41 13.16B	PRE-FINISHED ALUMINUM GUTTER. FINISH TO MATCH MP-1
26 56 00.03	SURFACE MOUNTED LIGHTING. ~ REFER TO ELECTRICAL.

SYMBOL LEGEND			
101	DOOR NUMBER - REFER TO DOOR SCHEDULE, SHEET A-601	PVC ROOFING SYSTEM, RE: C1/A531	EXPOSED CMU - SHOT BLAST, CMU-1
00 00 00.00	KEYNOTE TAGS	MASONRY BRICK BK-1, BK-2	GUTTER & DOWNSPOUT, FINISH TO MATCH STANDING SEAM METAL ROOFING PANEL
EW-X	EXTERIOR WALL TAGS - REFER TO TYPICAL EXTERIOR ASSEMBLIES, SHEET A-501	METAL PANEL (WALL: IMP-2, MP-2, ROOF: IMP-3)	
WX	WINDOW/STOREFRONT - REFER TO GLAZING SCHEDULE, SHEET A-611	METAL PANEL (IMP-1, MP-1)	



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1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

**ENTRY PORTAL DETAIL**

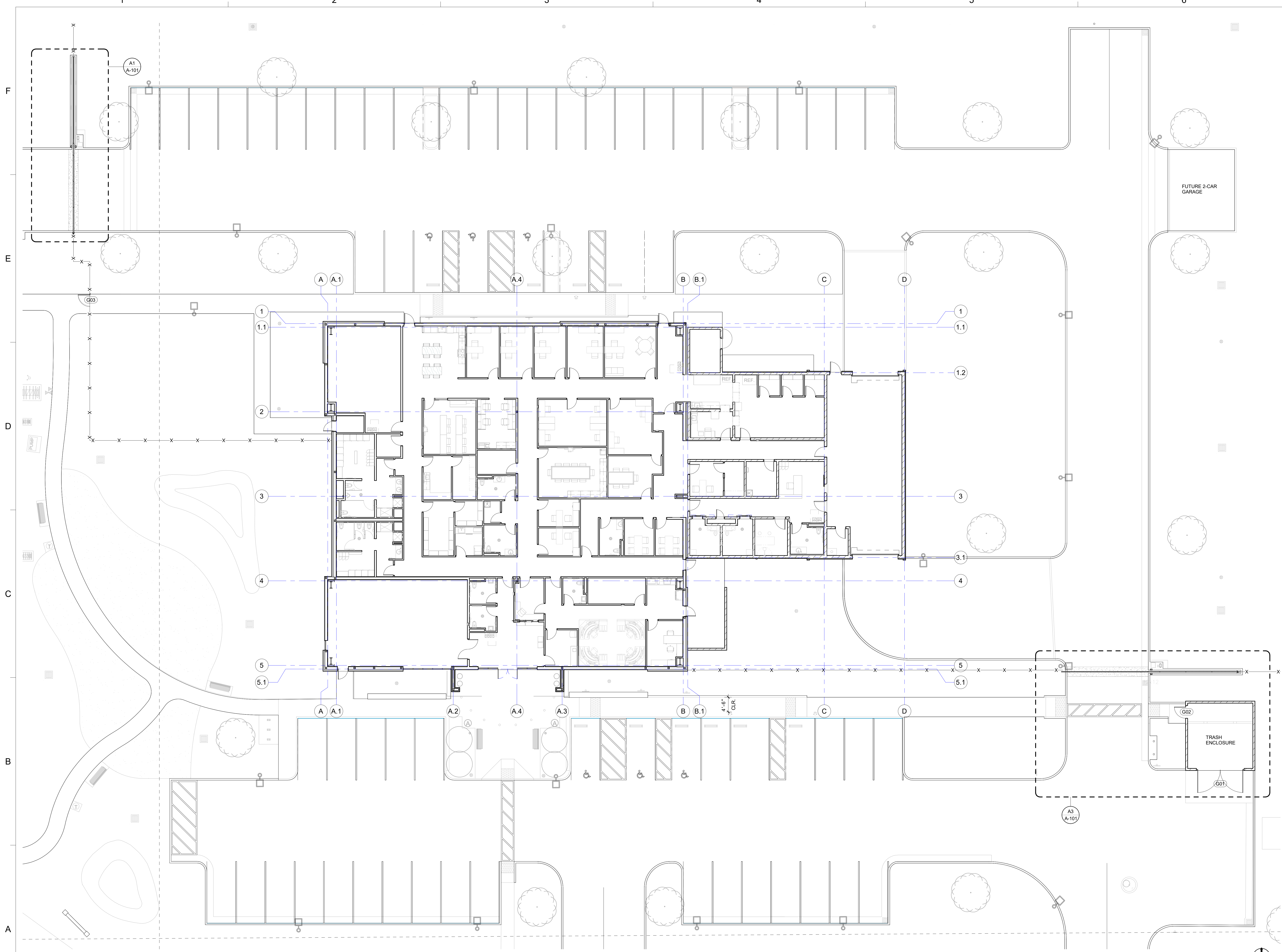
PROJECT NO. 50184767

**A-103**

SHEET NO.



10/29/2025 2:10:10 PM



**A1** FIRST FLOOR OVERALL PLAN  
Scale: 3/32" = 1'-0"



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KEY PLAN

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REVISIONS

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DRAWN BY JQ  
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DATE 10/29/2025

TITLE  
**FIRST FLOOR OVERALL PLAN**






PROJECT NO. 50184767

**A-110**

SHEET NO.

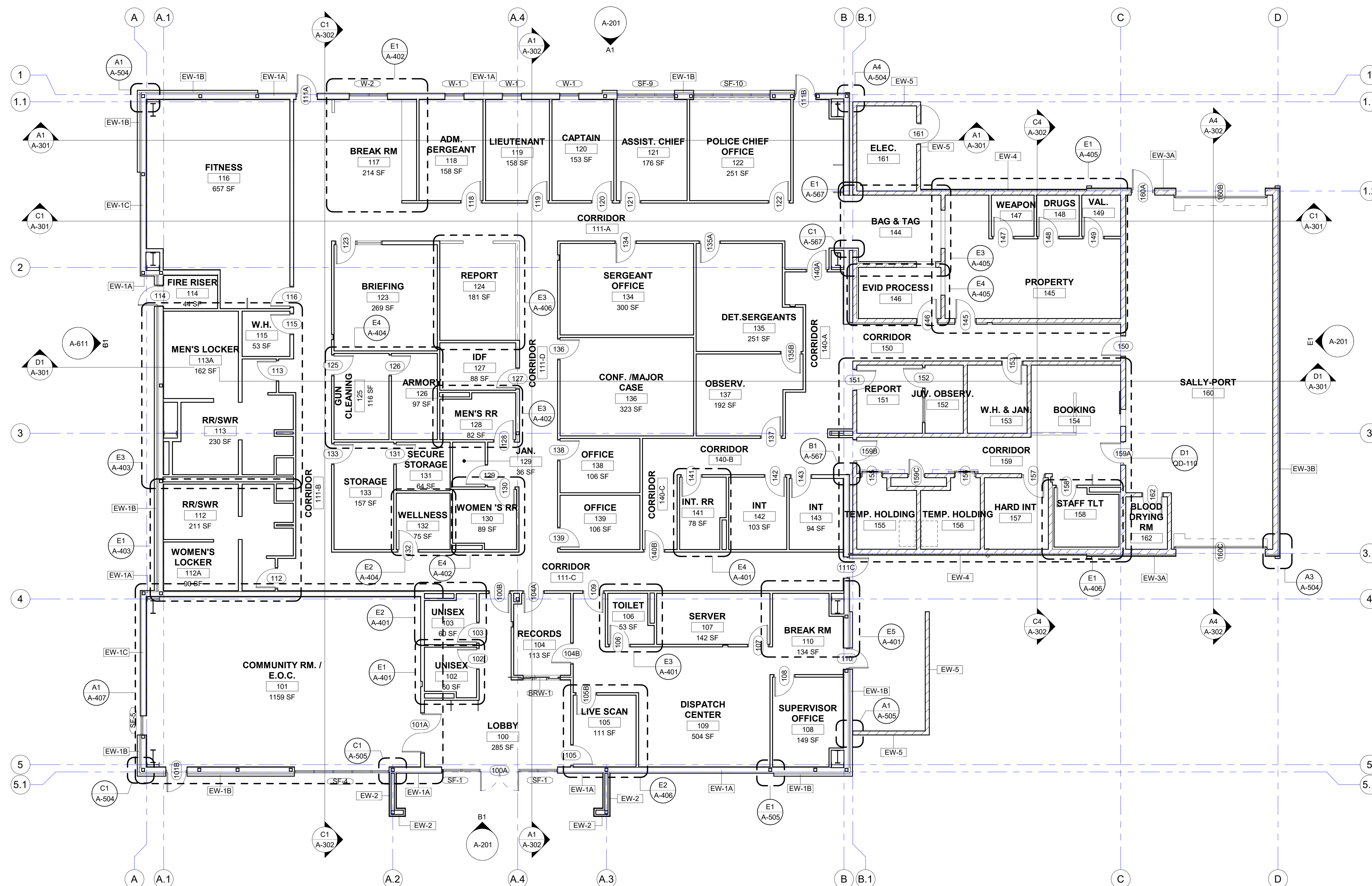


### ANNOTATION PLAN SYMBOL LEGEND

	<p>DOOR NUMBER - REFER TO DOOR SCHEDULE, SHEET A-601</p>
	<p>KEYNOTE TAGS</p>
	<p>EXTERIOR WALL TAGS - REFER TO TYPICAL EXTERIOR ASSEMBLIES, SHEET A-501</p>
	<p>WINDOW/ STOREFRONT - REFER TO GLAZING SCHEDULE, SHEET A-611</p>
	

## KEYNOTES PER SHEET

NOTE	DESCRIPTION
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**A1 FIRST FLOOR ANNOTATION PLAN**  
Scale: 1/8" = 1'-0"

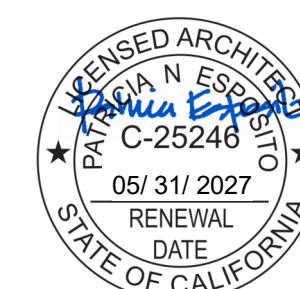
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## KEY PLAN

SCALE

## REVISIONS

[illegible]

NO.	DESCRIPTION	DATE
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DRAWN BY	JQ
APPROVED BY	PE
CHECKED BY	JN
DATE	10/29/2025

TITLE

FIRST FLOOR  
ANNOTATON  
PLAN

PROJECT NO.	50184767
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A-111

SHEET NO.



F

E

D

C

B

A

1

2

3

4

5

6

DIMENSION PLAN GENERAL NOTES

1. INTERIOR DIMENSIONS ARE TO FACE OF METAL STUD OR CMU UNIT AND TO CENTERLINES OF COLUMNS, U.N.O.
2. REFER TO CODE PLANS FOR GRAPHIC REPRESENTATION AND U.L. DESIGNS OF RATED WALLS AND SMOKE PARTITIONS.
3. EXTEND PARTITIONS TO UNDERSIDE OF STRUCTURE/DECK, U.N.O.
4. FINAL WALL PREP REQUIREMENTS ARE BASED ON FINISH SHOWN IN ROOM FINISH SCHEDULE AND WITH THE SPECIFICATIONS
5. BACK-TO-BACK OUTLETS CANNOT OCCUPY SAME STUD CAVITY SPACE. IN ACOUSTICALLY TREATED WALLS, PROVIDE ACOUSTIC PUTTY PADS AROUND OUTLET BOXES
6. REFER TO ENLARGED PLANS FOR DIMENSIONS WITHIN THESE AREAS.
7. SEE PLANS AND DETAIL PLANS FOR CHASE DIMENSIONS.
8. REFER TO DETAIL PLANS AND SECTIONS FOR FURTHER DESCRIPTION OF INTERIOR PARTITIONS.
9. REFER TO SHEET **A-561** FOR WALL PARTITION TYPES AND ASSEMBLIES.

KEYNOTES PER SHEET

NOTE	DESCRIPTION
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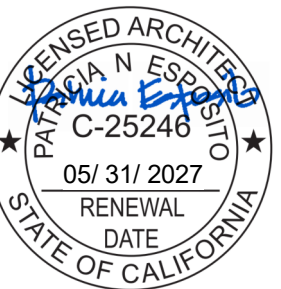
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APPROVED BY                    PE  
CHECKED BY                    JT  
DATE                              10/29/2025

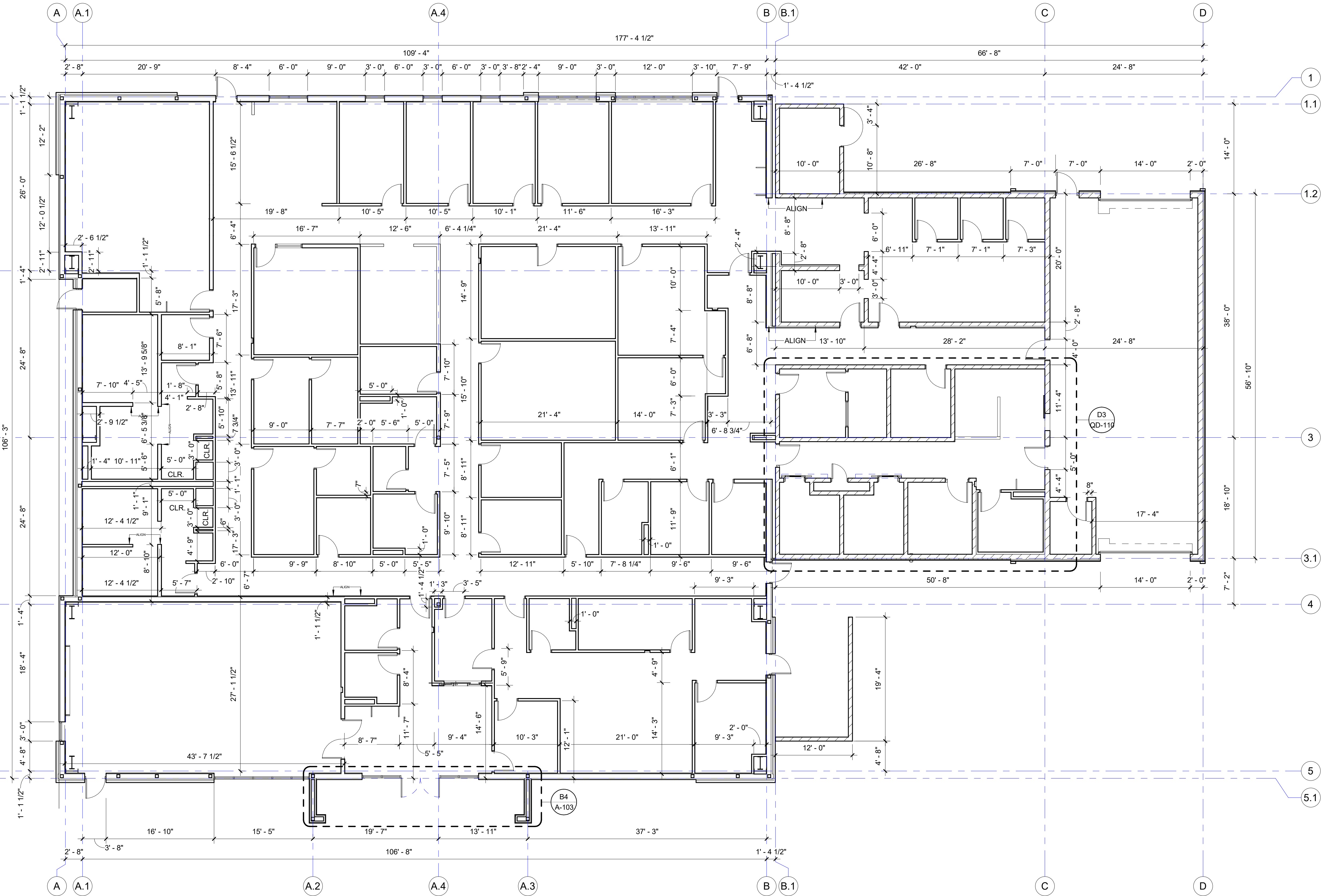
TITLE

FIRST FLOOR  
DIMENSION PLAN

PROJECT NO.                      50184767

A-112

SHEET NO.



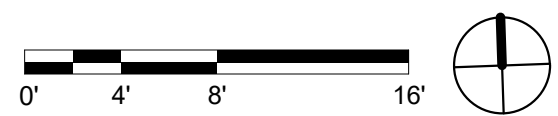
**A1** FIRST FLOOR DIMENSION PLAN  
Scale: 1/8" = 1'-0"



10/29/2025 2:10:18 PM

**A1 FIRST FLOOR INTERIOR PARTITION TYPE PLAN**

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



INTERIOR PARTITION LEGEND

METAL STUD

S411-S

WALL MATERIAL IDENTIFIER

WALL WIDTH

# OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 1

TAG LEADER

OTHER MODIFIERS

WALL HEIGHT IDENTIFIER

# OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 2

CMU

M6-Y

WALL MATERIAL IDENTIFIER

WALL WIDTH

TAG LEADER

OTHER MODIFIERS

WALL HEIGHT IDENTIFIER

CMU W/ METAL FURRED WALL

M6F1F1-S

WALL MATERIAL IDENTIFIER

WALL WIDTH

TAG LEADER

OTHER MODIFIERS

WALL HEIGHT IDENTIFIER

FURRED WALL MATERIAL IDENTIFIER & WIDTH

WALL MATERIAL IDENTIFIER & WIDTH:

MATERIALS: M = MASONRY S = METAL STUD F = FURRING

SHOWS A ROUNDED VALUE FOR THE WIDTH OF THE STRUCTURAL PORTION OF THE WALL.

M8: 8" CMU (7 5/8" ACTUAL) S2: 2 1/2" METAL STUD S3: 3 5/8" METAL STUD S6: 6" METAL STUD S8: 2 x 3 5/8" METAL STUD S10: 3 5/8" + 6" METAL STUD

F1: 7/8" METAL FURRING CHANNEL W/ 5/8" GYP. BD (1 1/2" ACTUAL) F2: 2 1/2" METAL STUD W/ 5/8" GYP. BD (3 1/8" ACTUAL) F3: 3 5/8" METAL STUD W/ 5/8" GYP. BD (4 1/4" ACTUAL)

# OF GYP. WALL BD. LAYERS ON SIDE 1 & 2:

(METAL STUD WALL ONLY)

SHOWS A VALUE FOR THE NUMBER OF LAYERS OF GWB ON EACH SIDE OF THE STUD. A '0' INDICATES ZERO LAYERS OF GWB. WHERE A WALL ONLY HAS GWB ON ONE SIDE, IT IS ALWAYS ON THE EXPOSED SIDE.

WALL HEIGHT IDENTIFIER:

S = TO STRUCTURE

A = TO 8" ABOVE CEILING OR ONE FULL COURSE ABOVE CEILING (CMU)

C = PARTIAL HEIGHT (SEE PLANS/ELEVATIONS FOR WALL HEIGHT)

OTHER MODIFIERS:

B = 5/8" CEMENT BD ON RESTROOM SIDE ONE, 5/8" TYP X GYP BD ON SIDE TWO, WHERE OCCURS CEMENTITIOUS BOARD ON OUTER LAYER WHEN MULTIPLE LAYERS ARE CALLED OUT ON PARTITION TYPE LEGEND.

D = 5/8" CEMENT BD ON BOTH SIDES, CEMENT BD ON OUTER LAYER WHEN MULTIPLE LAYERS ARE CALLED OUT ON PARTITION TYPE LEGEND.

E = 5/8" TYPE X GYP BD, ON BOTH SIDES, UNLESS CONDITION IS CONSTRUCTED AS A CAVITY WALL OR FURRING WALL.

F = BALLISTIC RESISTANT PANEL WITH 5/8" TYPE X GYP BD ON SIDE ONE, TYPE X GYP BD ON SIDE TWO.

G = BALLISTIC RESISTANT PANEL WITH 5/8" TYPE X GYP BD ON SIDE ONE, CEMENT BOARD ON SIDE TWO.

H = BURNISHED BOTH SIDES.

J = BURNISHED EXPOSED SIDE.

K = 5/8" IMPACT RESISTANT GYP BD UP TO 8'-0" AND 5/8" TYPE X GYP BD ABOVE.

L = 5/8" IMPACT RESISTANT GYP BD UP TO 8'-0" AND 5/8" TYPE X GYP BD ABOVE ON SIDE ONE, 5/8" TYPE X GYP BD ON SIDE TWO.

M = BALLISTIC RESISTANT PANEL WITH 5/8" TYPE X GYP BD ON SIDE ONE, 5/8" TYP X GYP BD ON SIDE TWO.

N = 5/8" ACOUSTICAL ENHANCED GYP BD ON SIDE ONE, 5/8" CEMENT BD ON SIDE TWO, FULL WIDTH SOUND ATTENUATION BLANKET IN METAL STUD CAVITY.

U = 5/8" ACOUSTICAL ENHANCED GYP BD ON BOTH SIDES, UNLESS CONSTRUCTED AS A CAVITY WALL OR FURRING WALL, FULL WIDTH SOUND ATTENUATION BLANKET IN METAL STUD CAVITY.

GENERAL NOTES:

1. REFER TO CODE PLANS FOR GRAPHIC REPRESENTATION AND UL DESIGNS OF RATED AND SMOKE PARTITIONS.

2. ALL METAL STUD & FURRED PARTITIONS TO RECEIVE SOUND ATTENUATION BLANKET FULL WIDTH OF STUD AND FULL HEIGHT OF WALL TO UNDERSIDE OF STRUCTURE/DECK, U.N.O. IN FIRE-RATED PARTITIONS, USE SOUND ATTENUATION FIRE BLANKET.

3. INTERIOR DIMENSIONS ARE TO FACE OF METAL STUD OR CMU UNIT, U.N.O.

4. REFER TO DETAIL DRAWINGS AND SPECIFICATION FOR LOCATIONS AND INFORMATION ON THE VARIOUS TYPES OF GYPSUM BOARD.

5. FINAL WALL PREP REQUIREMENTS BASED ON FINISH SHOWN IN THE ROOM FINISH SCHEDULE AND WITH THE SPECIFICATIONS.

6. REFER TO DETAIL PLANS AND SECTIONS FOR FURTHER DESCRIPTION OF INTERIOR PARTITIONS.

7. TYPE N & U WALLS TO HAVE SOUND ATTENUATION BLANKETS U.N.O.

8. REFER TO STRUCTURAL DRAWING FOR ALL INTERIOR MASONRY PARTITIONS VERTICAL REINFORCING INFORMATION.

9. REFER TO FINISH DRAWINGS AND SCHEDULES FOR WALL MATERIAL AND FINISHES.

10. REFER TO SHEET A-111 FOR EXTERIOR WALL TYPE AND SHEET A-501 FOR EXTERIOR WALL ASSEMBLIES INFORMATION.

11. CMU WALLS WHICH ARE RECEIVING WALL COVERING TO HAVE JOINTS STRUCK FLUSH.

KEYNOTES PER SHEET

NOTE	DESCRIPTION

Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

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SEAL

KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ.DN  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

FIRST FLOOR  
INTERIOR  
PARTITION TYPE  
PLAN

PROJECT NO. 50184767

A-113

SHEET NO.



F  
E  
D  
C  
B  
A

1

2

3

4

5

6



CEILING PLAN GENERAL NOTES

1. ELECTRICAL, MECHANICAL, AND TECHNOLOGY FIXTURES AND DEVICES ARE SHOWN FOR REFERENCE AND TO COORDINATE PLACEMENT. REFER TO ENGINEERING DRAWINGS FOR INFORMATION REGARDING TYPE AND OTHER FIXTURE AND DEVICE INFORMATION.
2. ESTABLISH PRE-INSTALLATION MEETING WITH ARCHITECT TO REVIEW STARTING POINT OF CEILING GRID IN EACH AREA/ROOM.
3. SUBMIT A REFLECTED CEILING PLAN COORDINATION DRAWING TO ARCHITECT AFTER COORDINATING LAYOUT WITH OTHER TRADES PRIOR TO COMMENCING CEILING WORK.
4. GYPSUM CEILING TO BE PAINTED TO PNT-4.
5. EXPOSED STRUCTURE, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION COMPONENTS (EXCEPT SPRINKLER HEADS) ARE TO BE PAINTED TO PNT-5, U.N.O.
6. SPRINKLER HEADS ARE NOT SHOWN. LOCATE SPRINKLER HEADS IN CENTER OF CEILING TILES.
7. CEILING HEIGHTS SHOWN ON REFLECTED CEILING PLANS ARE FROM FINISHED FLOOR OF PLAN SHOWN.
8. COORDINATE LOCATION OF ACCESS PANELS WITH MECHANICAL/ELECTRICAL CONTRACTORS.
9. IN ROOMS WITH EXPOSED CEILINGS, MOUNT LIGHT FIXTURES TO UNDERSIDE OF STRUCTURE. OTHER MEP/FP ITEMS TO MAINTAIN A MINIMUM CLEARANCE OF 10'-0" AFF.
10. SEE TECHNOLOGY DRAWINGS FOR SECURITY CAMERA AND MOTION DETECTOR LOCATIONS.
11. SEE ELECTRICAL LIGHTING PLANS FOR EMERGENCY LIGHT FIXTURE LOCATIONS.
12. CONTRACTOR TO COORDINATE CEILING FIXTURE LOCATIONS WITH ABOVE-CEILING WORK TO AVOID CONFLICTS.

CEILING PLAN LEGEND

- APC-1 SUSPENDED ACOUSTICAL PANEL CEILING 2x4' GRID
- OTS OPEN TO STRUCTURE
- GYP-1 GYPSUM BOARD CEILING (GYP-1)
- SMC-1 SECURITY METAL CEILING
- WPC-1 WOOD PANEL CEILING
- WPC-2 WOOD SLAT CEILING
- ACC-1 ACOUSTICAL CEILING CLOUD

ANNOTATION

- XXX X'-X" CEILING TYPE
- CEILING HEIGHT
- SUSPENDED OPEN GRID CEILING SYSTEM
- DROP IN RESIN PANEL ON SUSPENDED OPEN GRID CEILING SYSTEM
- CJ CONTROL JOINT
- OTS OPEN TO STRUCTURE
- EDGE OF ROOF ABOVE

LIGHT FIXTURE

- RECESSED LIGHT FIXTURE
- SUSPENDED LINEAR LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- EXT. WALL MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- WALL MOUNTED PROJECTOR
- CEILING ACCESS PANEL REF.

LIFE SAFETY

- EM EMERGENCY LIGHT
- ILLUMINATED EXIT SIGN WITH UL 924
- DAYLIGHT SENSOR
- SPEAKER
- FIRE ALARM
- HEAT DETECTOR
- SMOKE DETECTOR
- SPRINKLER HEAD
- OCCUPANCY SENSOR
- HORN/STROBE DEVICE
- SPEAKER/STROBE
- STROBE
- WALL MOUNTED LIGHT FIXTURE (EMERGENCY)
- CEILING MOUNTED LIGHT FIXTURE (EMERGENCY)
- CEILING MOUNTED EXIT SIGN

MECHANICAL

- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST AIR DEVICE
- LINEAR SLOT DIFFUSER
- EXPOSED DUCTWORK

NOTE: FOR MEP DEVICES, REFER TO MEP DRAWINGS.

KEYNOTES PER SHEET

NOTE	DESCRIPTION
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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025  
TITLE

FIRST FLOOR  
REFLECTED  
CEILING PLAN

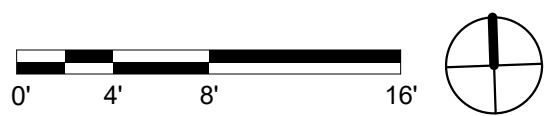
PROJECT NO. 50184767

A-114

SHEET NO.

A1 FIRST FLOOR REFLECTED CEILING PLAN

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



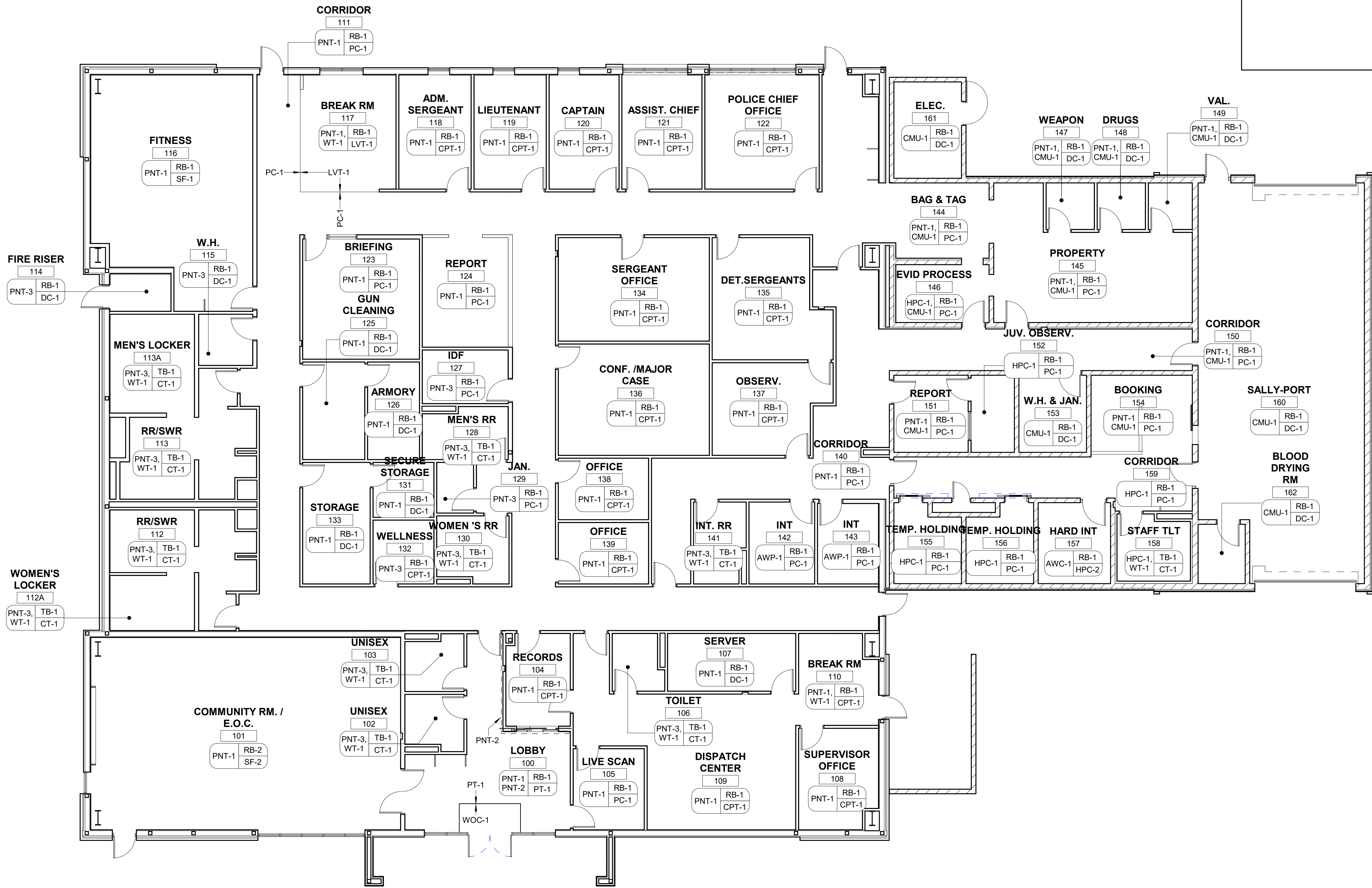
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A1 FIRST FLOOR FINISH PLAN

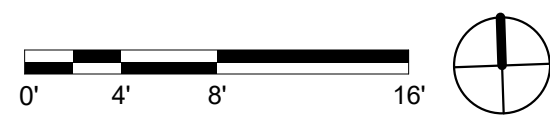
Scale: 1/8" = 1'-0"



KEYNOTES PER SHEET	
NOTE	DESCRIPTION

- FINISH PLAN GENERAL NOTES
1. FINISH INDICATES ENTIRE SURFACE, U.N.O.
  2. FINISH ON SOFFITS INDICATES ENTIRE FACE AND BOTTOM, U.N.O.
  3. CEILINGS AND SOFFITS TO BE PNT-4 CEILING WHITE, U.N.O.
  4. PNT-2 IS CONSIDERED ACCENT PAINT. REFER TO SHEET A-115 FOR ALL FLOOR AND WALL FINISH LOCATIONS AND DESIGNATIONS.
  5. ACCENT PAINT LOCATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY WITH ARCHITECT DURING PRE-PAINT WALK THRU.
  6. ALL GYPSUM WALL PAINT IS TO HAVE STANDARD EGGSHELL FINISH, U.N.O.
  7. ALL GYPSUM CEILING PAINT IS TO HAVE STANDARD FLAT FINISH, U.N.O.
  8. BURNISHED BLOCK SHALL NOT BE PAINTED.
  9. HOLLOW METAL FRAMES & DOORS TO BE SAME COLOR AS ADJACENT WALL.
  10. ALL WALL BASE TRANSITIONS SHALL OCCUR AT CORNER SITUATIONS ONLY, U.N.O.
  11. SCORE TILES AROUND DRAIN AREAS FOR SLOPE.
  12. CONTRACTOR RESPONSIBLE TO PROVIDE ALL SURFACE PREPARATION REQUIRED TO RECEIVE NEW FINISHES.
  13. AT DISCREPANCIES BETWEEN THE ROOM FINISH LEGEND AND DRAWINGS, THE ARCHITECT WILL DETERMINE THE FINISH.
  14. REFER TO SPECIFICATIONS FOR SPECIFIED PAINT SYSTEMS.
  15. REFER TO REFLECTED CEILING PLANS - EXPOSED PAINTED MEAN TO PAINT ALL MECHANICAL / ELECTRICAL / FIRE PROTECTION ITEMS INCLUDING BUT NOT LIMITED TO CONDUIT, DUCTWORK, PIPING, FIRE PROTECTION PIPING, HANGERS, ETC. DO NOT PAINT ANY PRE-FINISHED ITEMS SUCH AS LIGHT FIXTURES, SMOKE DETECTORS, AND SPRINKLER HEADS. PAINT TO BE PNT-5.
  16. U.N.O. ALL EXPOSED INTERIOR TUBE STEEL COLUMNS TO BE PAINTED PNT-1.
  17. U.N.O. ALL EXPOSED INTERIOR STRUCTURAL STEEL FRAME TO BE PAINTED PNT-1.
  18. PROVIDE INSIDE AND OUTSIDE WALL CORNER TRIM AT TILED WALL. TRIM TO BE SIM. TO TB-1.
  19. REFER TO GLAZING SCHEDULE FOR ROLLER SHADE WITH LIGHT FILTERING FABRIC LOCATION.

INTERIOR FINISH LEGEND	
<div>ROOM NAME</div> <div>101</div> <div>PT-X</div> <div>RB-X</div> <div>CPT-X</div> <div>NOTES</div> <div>(IF APPLICABLE)</div>	ROOM FINISH TAG
<div>XXX</div>	ACCENT WALL MATERIAL / COLOR
<div>XXX</div>	FLOOR FINISH TRANSITION TAG
*SEE SHEET XXXX FOR FINISHES*	
FINISH LIST	
FINISH	COMMENTS
BASE FINISHES	
RESILIENT BASE (RB)	
RB-1	ROPPE   700 SERIES - TYPE 1P W/ TOE BASE - 4", 123 CHARCOAL
RB-2	ROPPE   700 SERIES - TYPE 1P W/ TOE BASE - 4", 197 ICEBERG
TILE BASE (TB)	
TB-1	AMERICAN ORLEAN   COLOR STORY WALL   ICE WHITE 0025   4"X12" FLAT TOP COVED BASE
CEILING FINISHES	
ACOUSTIC PANEL CEILING (APC)	
APC-1	ARMSTRONG   ULTIMA HIGH NRC   24" x 48" x 1"   BEVELED EDGE
ACOUSTICAL CEILING CLOUD (ACC)	
ACC-1	ACC-1   ARMSTRONG   SOUNDSCAPES SHAPES ACOUSTICAL PANELS   7/8" CIRCLE PANELS   COLOR: BOXWOOD (DBW)
WOOD PANEL CEILING (WPC)	
WPC-1	WPC-1   ARMSTRONG   WOODWORKS CONCEALED CEILING SYSTEM   QUARTERED MAHOGANY (NQM)   PANEL SIZE: 24"X96" UNPERFORATED   OVERALL DIMENSION: 16" X 8" (192" X 96")
WPC-2	WPC-2   ARMSTRONG   WOODWORKS GRILLE   FORTE VENEERED CEILING PANELS   QUARTERED (NQM)   SLAT HEIGHT 4"   SLATS PER PANEL: 3   SPACE BETWEEN SLATS: 3-1/4"   PANEL SIZE: 12"X96"   OVERALL DIMENSION: 14" X 8" (168" X 96")
FLOOR FINISHES	
CARPET TILE (CPT)	
CPT-1	BENTLEY MILLS   COIN-OP II SERIES  BOTS 400061  BACKING W/ NEXSTEP CUSHION
DENSIFIED CONCRETE (DC)	
DC-1	ASHFORD FORMULA   CHEMICAL ENHANCEMENT AND PROTECTIVE COATING
LUXURY VINYL TILES (LVT)	
LVT-1	INTERFACE   HEATH 4.5 MM EARTHEN FORMS   MARBLE DUST
PAINT (PNT)	
HPC-2	HIGH PERFORMANCE COATING   SHERWIN WILLIAMS   PNT-1 OR PNT-3 COLOR
POLISHED CONCRETE (PC)	
PC-1	RETROPLATE   LEVEL 3 POLISHED FINISH   CHEMICAL ENHANCEMENT AND POLISHING LIQUID
SPORTS FLOORING (SF)	
SF-1	U.S. RUBBER   SURVIVOR FLOORING RUBBER ROLL - ISOMETRIC BLUE #109   3MM ROL
SF-2	MONDO   ADVANCE PRO 10MM   L62 SAND
TILE (T)	
CT-1	AMERICAN ORLEAN   COLOR STORY MOSAICS   MATTE BLACK   2"X2"
PT-1	DATILE   VOLUME 1.0   VAPOR VL62
MISCELLANEOUS	
CORNER GUARDS (CG)	
CG-1	C/S GROUP   ACO-8
PLASTIC LAMINATE (PLAM)	
PLAM-1	FORMICA   THERMO WALNUT 6402  APPLICATION: CABENIT
PLAM-2	WILSONART   STANDARD LAMINATE - MISSION MAPLE - 7990-38 FINE VELVET FINISH   APPLICATION: RESTROOM
SOLID SURFACE (SS)	
SS-1	WILSONART   FROSTY WHITE MIRAGE   1573MG
STAINLESS STEEL COUNTER (SST)	
SST-1	STAINLESS STEEL #4 SATIN   COUNTERTOP
TOILET PARTITIONS	
TP-1	ASI ACCURATE PARTITIONS   INTEGRATED PRIVACY - STAINLESS STEEL #4 SATIN
ROOF FINISHES	
INSULATED METAL PANEL (IMP)	
IMP-1	METLSPAN   CFR   3"   ARCTIC WHITE
METAL ROOF PANEL (MP)	
MP-2	PAC-CLAD   TITE-LOC   12" O.C. SMOOTH PANEL   COLOR: STONE WHITE
WALL FINISHES	
ACOUSTIC WALL COVERING (AWC)	
AWC-1	MDC   WALL COVERING   PATTERN: MONROE   COLOR: ECRU
ACOUSTIC WALL PANEL (AWP)	
AWP-1	VINYL-WRAPPED PANELS   VINYL: WOLF GORDON - MILLAN - COTTON MLN 9309   PANEL SUBSTRATE: CHEMICALLY HARDENED FIBERGLASS BOARD   PANEL EDGE PROFILE: SQUARE   NOMINAL PANEL THICKNESS: 1"
AWP-2	G&S ACOUSTICS   CUSTOM SHAPED PANELS (CS)   4" THICKNESS   PAINTED FINISH
BRICK (BK)	
BK-1	H.C. MUDDOX   FACE BRICK - DUSTY ROSE   SIZE: MODULAR   WIRE CUT
BK-2	H.C. MUDDOX   THIN BRICK - DUSTY ROSE   SIZE: 1/2" MDULAR THIN BRICK   WIRE CUT
CONCRETE MASONRY UNITS (CMU)	
CMU-1	BASALITE   SHOT BLAST   NATURAL (T)
INSULATED METAL PANEL (IMP)	
IMP-1	METLSPAN   CF MESA   2.5"   REGAL GREY
IMP-2	METLSPAN   CFR   2.5"   ARCTIC WHITE
METAL ROOF PANEL (MP)	
MP-1	PAC-CLAD   REVEAL WALL PANELS   12" O.C. SMOOTH PANEL   COLOR: CITYSCAPE
PAINT (PNT)	
HPC-1	HIGH PERFORMANCE COATING   SHERWIN WILLIAMS   SW 6238 ICICLE   SATIN
PNT-1	SHERWIN WILLIAMS   SW 6238 ICICLE
PNT-2	SHERWIN WILLIAMS   SW 6524 COMMOODOR
PNT-3	SHERWIN WILLIAMS   SW 7551 GREEK VILLA   SEMI-GLOSS
PNT-4	SHERWIN WILLIAMS   SW 7007 CEILING BRIGHT WHITE
PNT-5	SHERWIN WILLIAMS   SW 6991 BLACK MAGIC
PNT-6	SHERWIN WILLIAMS   SW 7012 CREAMY
PNT-7	SHERWIN WILLIAMS   SW 7030 ANEW GRAY
TILE TRIM (TT)	
TT-1	AMERICAN ORLEAN   COLOR STORY WALL   ICE WHITE 0025   4"X12"BULLNOSE
WALL TILE (WT)	
WT-1	AMERICAN ORLEAN   COLOR STORY WALL   ICE WHITE 0025   4"X12"
WT-2	DALTILE   ART CRAFTED   TIDE AC29   3"X12"



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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

FIRST FLOOR  
FINISH PLAN

PROJECT NO. 50184767

A-115

SHEET NO.



F  
E  
D  
C  
B  
A

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2

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4

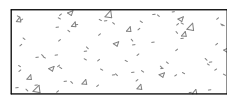
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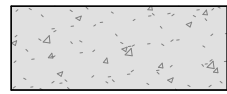
SLAB PLAN GENERAL NOTES

1. SLAB ON GRADE ELEVATION OF +0'-0" IS EQUAL TO 362.5 PER CIVIL DRAWINGS.  
2. CONTRACTOR TO COORDINATE EDGE OF SLAB PLANS WITH STRUCTURAL FOUNDATION AND FRAMING PLANS.

SLAB PLAN SYMBOL LEGEND



CONCRETE SLAB ON GRADE



DEPRESSED CONCRETE SLAB ON GRADE.  
DEPRESS SLAB 1 1/2" U.N.O.



FLOOR DRAIN



Dewberry Architect Inc.

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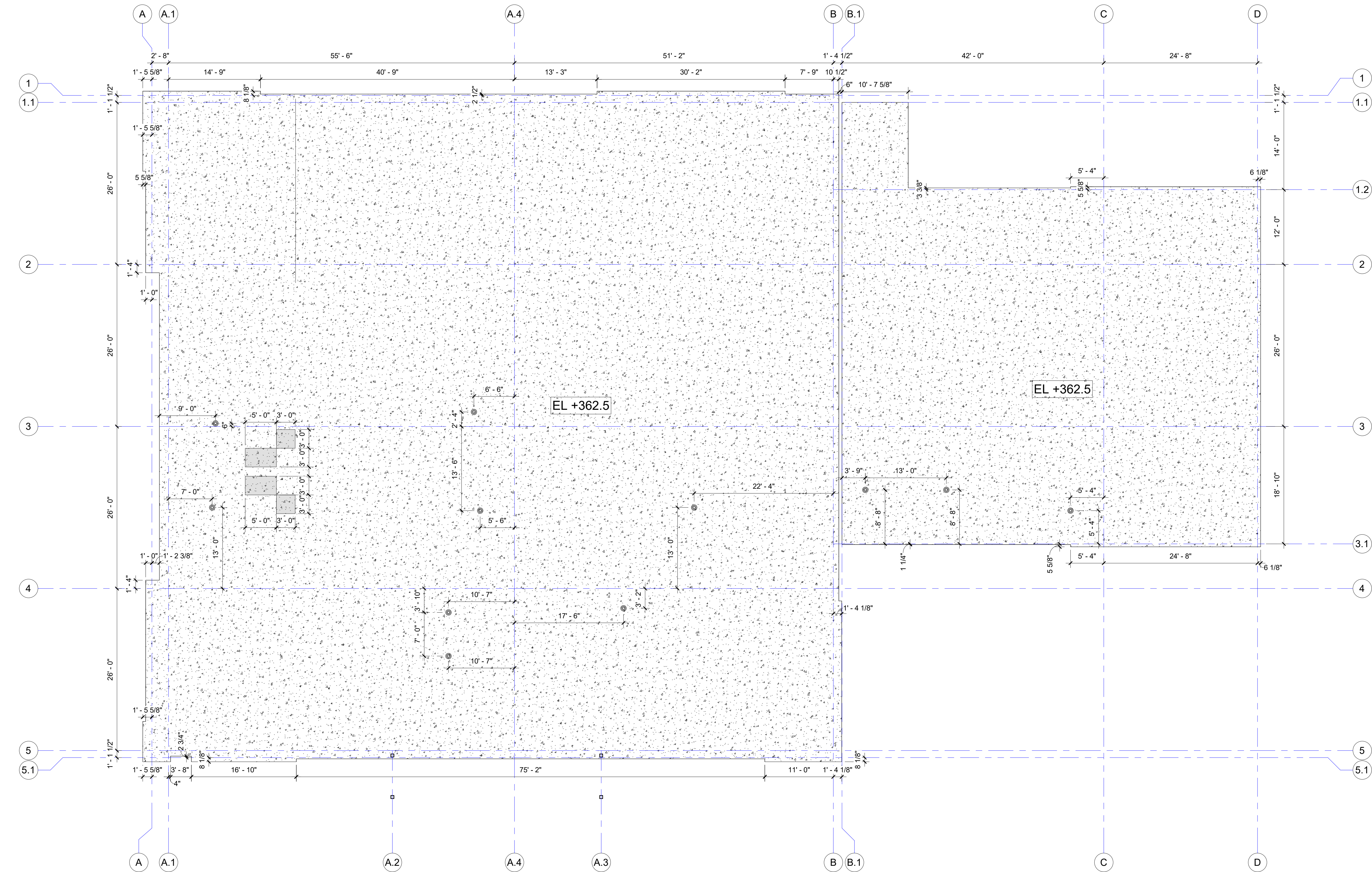
TITLE

FIRST FLOOR  
SLAB PLAN

PROJECT NO. 50184767

A-116

SHEET NO.



A1 FIRST FLOOR SLAB PLAN

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

10/29/2025 2:10:29 PM

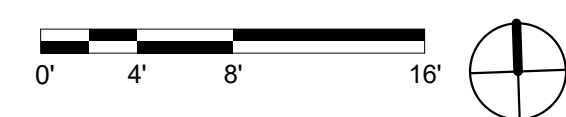


KITCHEN EQUIPMENT SCHEDULE						SPECIALITY EQUIPMENT SCHEDULE					
MARK	COUNT	MANUFACTURER	MODEL	RESPONSIBILITY	Description	MARK	COUNT	MANUFACTURER	MODEL	RESPONSIBILITY	Description
KE-01	1	BEVERAGE-AIR	HBRF49HC-1-A	OFOI	DUAL TEMPERATURE REFRIGERATOR/ FREEZER	SE-01	3	SPACESAVER	TBD	CFCI	EVIDENCE LOCKER -PASS-THROUGH
KE-02	1	KITCHENAID	KRSF70SHPS	OFOI	ADA COMPLIANT SIDE-BY-SIDE FRENCH DOOR REFRIGERATRO WITH ICE MAKER	SE-02	1	SPACESAVER	TBD	CFCI	EVIDENCE LOCKER -PASS-THROUGH WITH REFRIGERATED LOCKERS
KE-03	1	KITCHENAID	KMBD104GSS	OFOI	24" UNDER-COUNTER MICROWAVE OVEN DRAWER	SE-03	2	SENTINEL	ERF82-12-NPT	OFOI	EVIDENCE REFRIGERATOR
KE-04	1	KITCHENAID	KDTF924PPS	CFCI	ADA COMPLIANT DISHWASHER	SE-04	12	SPACESAVER	TBD	CFCI	PERSONAL STORAGE LOCKERS   SIZE : 24 x 24 x 84 - SLOPE TOP   SINGLE DOOR
KE-05	1	KITCHENAID	KWMB400DSS	CFCI	30" WALL-MOUNT CANOPY HOOD	SE-05	8	SPACESAVER	SPACESAVER DAY USE LOCKER	CFCI	DAY USE LOCKER   2 TIER   12X18
KE-06	1	SUMMIT	AL550SCSS	OFOI	UNDERCOUNTER REFRIGERATOR MAX HEIGHT 32"	SE-07	1	TBD	TBD	OFOI	DRYING CABINET
KE-07	2	BUNN	AXION-DV-APS	OFOI	COFFEE BREWER WITH WATER FILTER AND SERVER	SE-08	1	EXISTING	EXISTING	OFOI	EXISTING FUMING CHAMBER TO BE REINSTALLED
KE-08	2	KITCHENAID	KMCC5015GSS	OFOI	COUNTERTOP CONVECTION MICROWAVE OVEN	SE-09	1	EXISTING	EXISTING	OFOI	EXISTING DOWNFLOW WORKSTATION TO BE REINSTALLED
KE-09	1	KITCHENAID	KSGG700ESS	CFCI	ADA COMPLIANT SLIDE-IN GAS RANGE	SE-10	1	EXISTING	EXISTING	OFOI	EXISTING UVBOX BENCH TOP DECONTAMINATION CHAMBERS TO BE REINSTALLED
* KITCHEN EQUIPMENT ARE SHOWN AS BASIS OF DESIGN OR PROVIDE EQUAL.						SE-11	1	MISSISSAUGA TECHNOLOGIES	TECHNOLOGY DARKNESS BLOCKER LOCKER 7	OFOI	CELLPHONE LOCKERS WITH CHARGER
**REFER TO C11A402 FOR KE-05						SE-12	16	ULINE	H-2993	OFOI	87"HEIGHT 18" DEEP 5 TIER SHELVING   WIDTH: 36"
						SE-13	2	ULINE	H2885	OFOI	87"HEIGHT 18" DEEP 5 TIER SHELVING   WIDTH: 48"
						SE-14	1	SPACESAVER	TBD	OFOI	84"H RIFFLE STORAGE CABINET WITH BACK PANEL
						SE-15	1	SPACESAVER	TBD	OFOI	84"H PISTOL STORAGE CABINET WITH BACK PANEL
						SE-16	1	SPACESAVER	TBD	OFOI	84"H PISTOL STORAGE CABINET WITH BACK PANEL
						SE-17	2	SALSBURY INDUSTRIES	77781-ADA	CFCI	ADA SEATING BENCH - LIGHT FINISH
						SE-18	2	TBD	TBD	CFCI	LOCKER ROOM BENCH
						SE-19	1	SAFCO	SC6041G - POWDER COAT PAINT WHITE	OFOI	MAILFLOW SYSTEMS SORTER, CLOSED CAB: 60 SORTING POCKETS 15"D WITHOUT PLEXI DOORS
						SE-20	1	TBD	TBD	OFOI	LIVE SCAN MACHINE
						SE-21	1	SOUTHWEST SOLUTIONS GROUP	EDHGF	CFCI	6 COMPARTMINET PISTOL LOCKER   FLUSH MOUNT
						SE-22	1	TBD	TBD	OFOI	SAFE
						SE-23	1	BEVERAGE-AIR	HBRF49HC-1-A	CFCI	EVIDENCE REFRIGERATOR
						SE-24	3	SPACESAVER	SPACESAVER DAY USE LOCKER	CFCI	DAY USE LOCKER   3 TIER   12X18

\* SPECIAL EQUIPMENT ARE SHOWN AS BASIS OF DESIGN OR PROVIDE EQUAL



—REFER TO  
QD/110 FOR  
DETAIL





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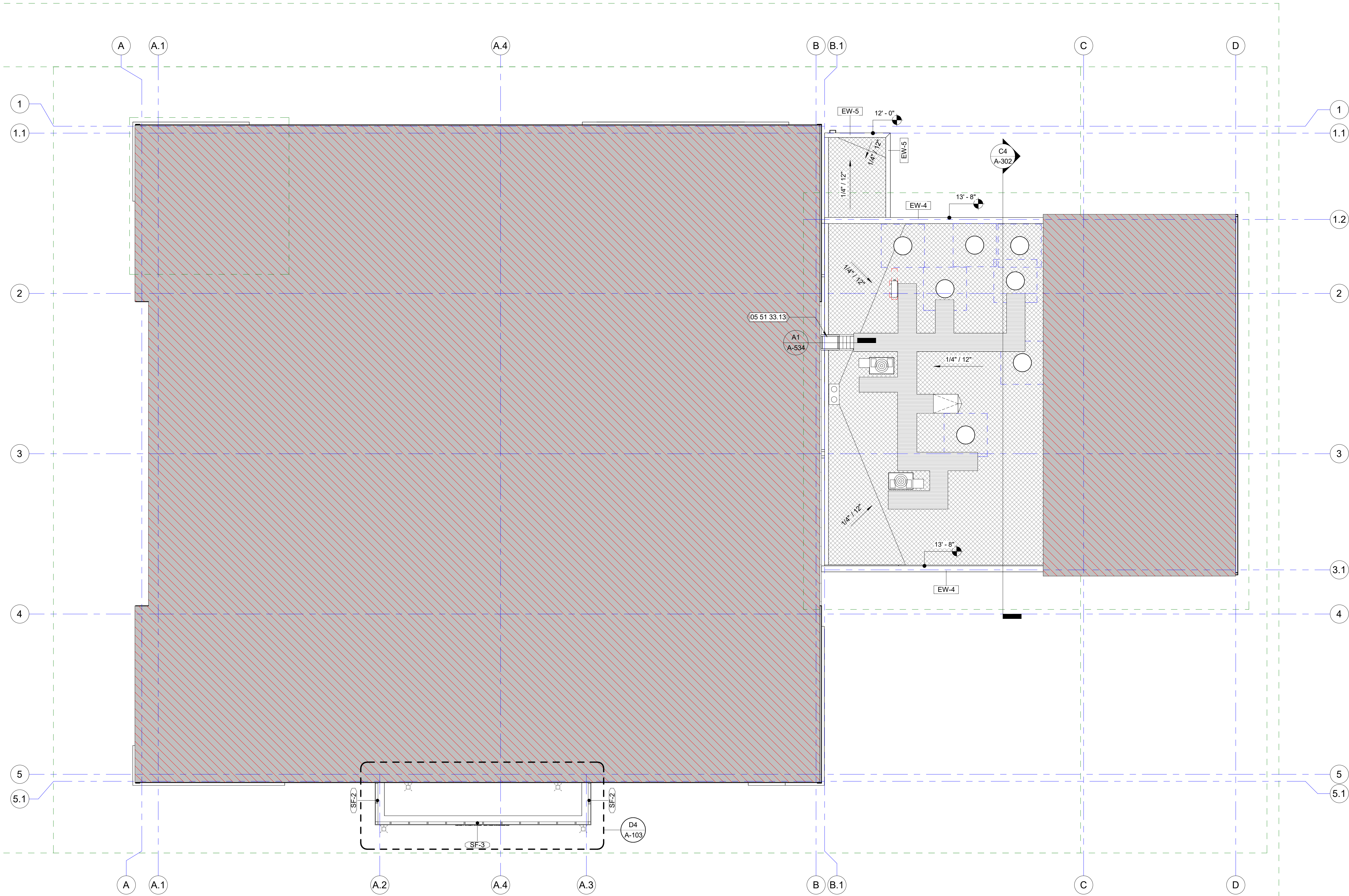
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A1

LOWER ROOF PLAN

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

ROOF PLAN LEGEND

- ROOF AND OVERFLOW DRAIN, RE:
- SPLASH PAN
- ROOF WALKWAY PAD
- ROOF LADDER
- ROOF SLOPE DIRECTION  
1/4" PER FOOT MIN
- CRICKET
- MECHANICAL EQUIPMENT AND/ OR PLATFORM,  
REFER TO MECHANICAL DWGS
- HP  
LP
- STANDING SEAM (IMP) ROOFING SYSTEM, IMP-3,  
RE: A1/A3 /A531
- PVC ROOFING SYSTEM,  
RE: C1/ A531
- EX-X  
T.O.R.  
T.O.P.  
SF-X
- EXTERIOR WALL ASSEMBLY, REF. SHEET A-501
- TOP OF ROOF
- TOP OF PARAPET
- WINDOW/ STOREFRONT - REFER TO  
GLAZING SCHEDULE, SHEET A-611

KEYNOTES PER SHEET

NOTE	DESCRIPTION
05 51 33.13	VERTICAL METAL LADDERS



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Sacramento, CA 95833  
916.239.7244

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

LOWER ROOF  
PLAN

PROJECT NO. 50184767

A-118

SHEET NO.

10/29/2025 2:10:37 PM



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1

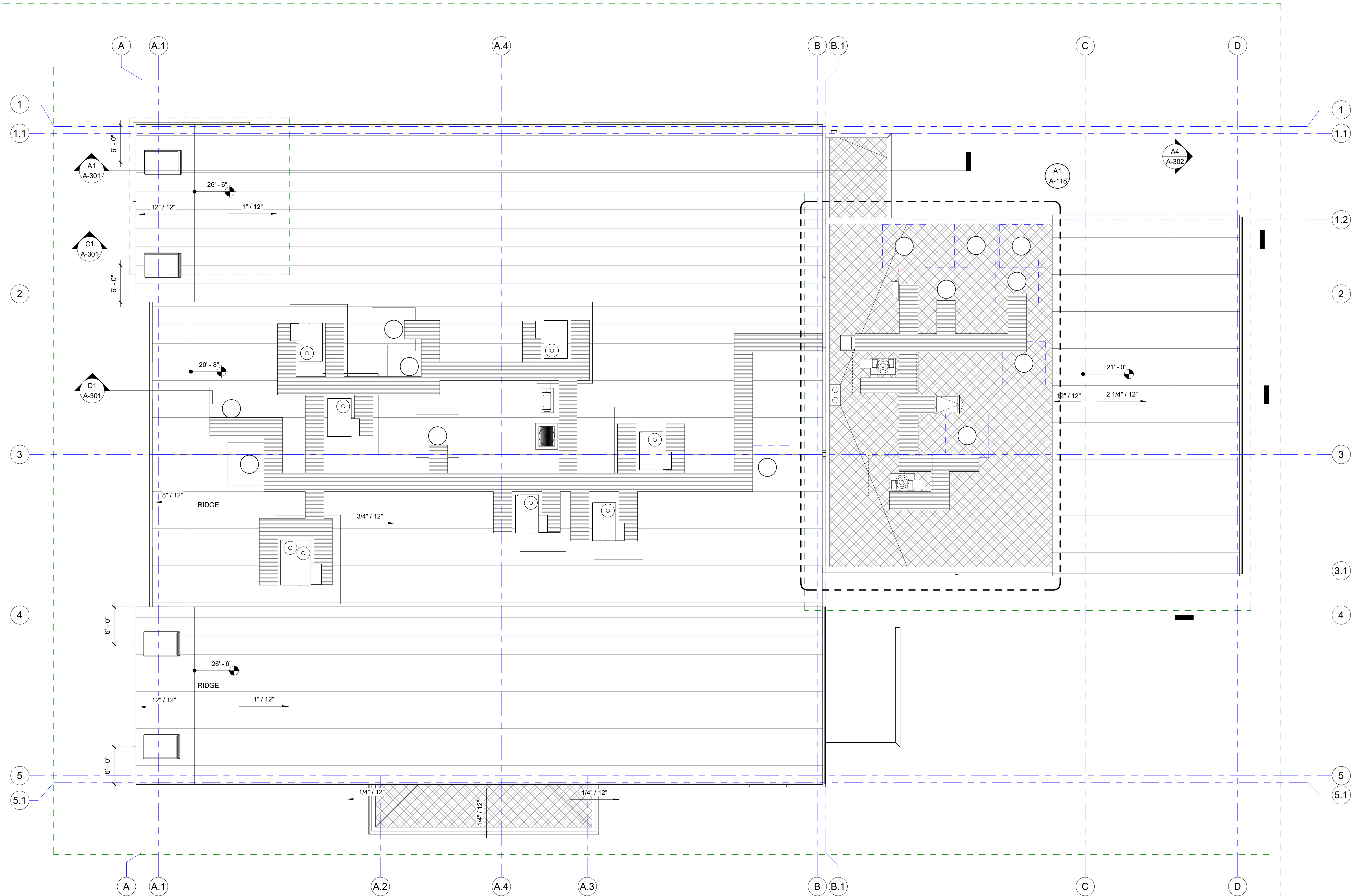
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ROOF PLAN LEGEND

- ROOF AND OVERFLOW DRAIN, RE:
- SPLASH PAN
- ROOF WALKWAY PAD
- ROOF LADDER
- ROOF SLOPE DIRECTION  
1/4" PER FOOT MIN
- CRICKET
- MECHANICAL EQUIPMENT AND/ OR PLATFORM,  
REFER TO MECHANICAL DWGS
- HP  
HIGH POINT
- LP  
LOW POINT
- STANDING SEAM (IMP) ROOFING SYSTEM, IMP-3,  
RE: A1.A3 /A531
- PVC ROOFING SYSTEM,  
RE: C1/ A531
- EXTERIOR WALL ASSEMBLY, REF. SHEET A-501
- T.O.R.  
TOP OF ROOF
- T.O.P.  
TOP OF PARAPET
- WINDOW/ STOREFRONT - REFER TO  
GLAZING SCHEDULE, SHEET A-611

KEYNOTES PER SHEET

NOTE	DESCRIPTION
------	-------------



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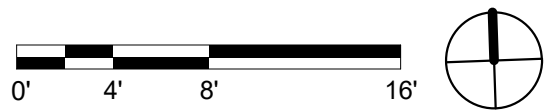
ROOF PLAN

PROJECT NO. 50184767

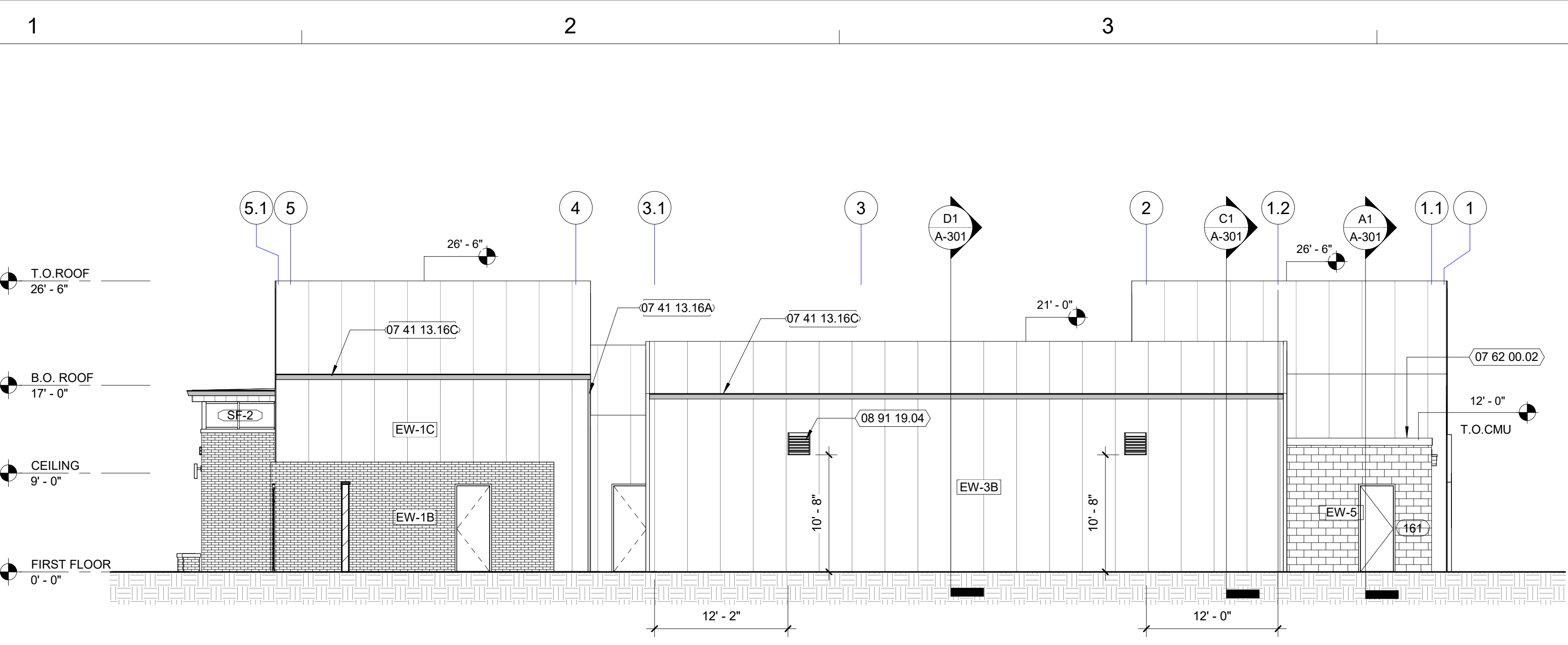
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SHEET NO.

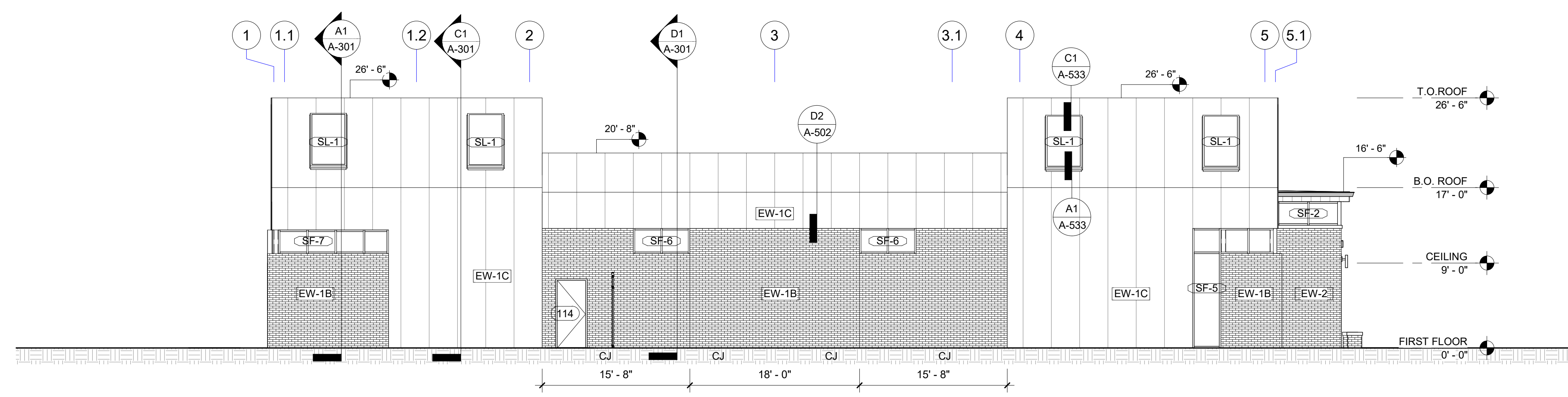
A1 ROOF ANNOTATION PLAN  
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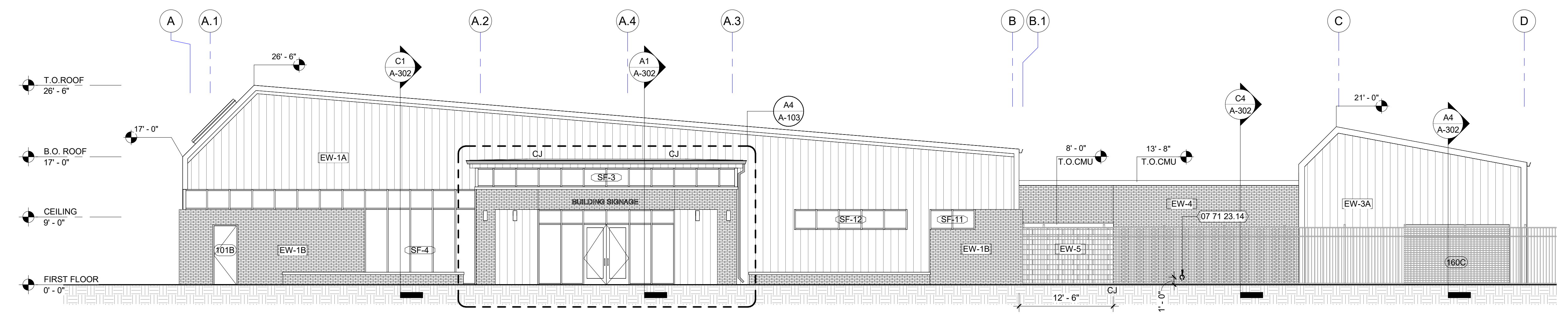




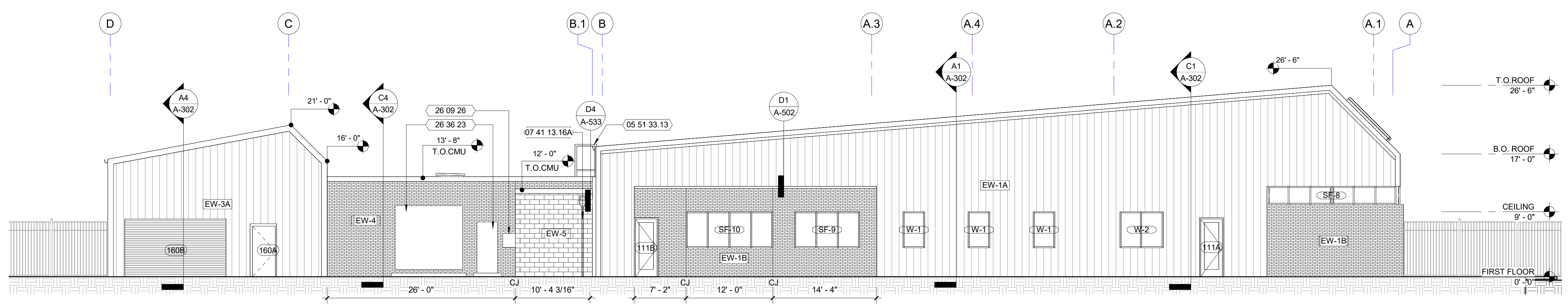
E1 EAST ELEVATION  
Scale: 1/8" = 1'-0"



C1 WEST ELEVATION  
Scale: 1/8" = 1'-0"



B1 SOUTH ELEVATION  
Scale: 1/8" = 1'-0"



A1 NORTH ELEVATION  
Scale: 1/8" = 1'-0"

EXTERIOR ELEVATIONS GENERAL NOTES

1. REFER TO SHEET A-115 FOR FINISH SCHEDULE.  
2. REFER TO FLOOR PLANS FOR GLAZING ASSEMBLY DIMENSIONS AND LOCATIONS

EXTERIOR ELEVATION FINISHES

MASONRY BRICK BK-1, BK-2.

METAL PANEL ( WALL: IMP- 2, MP- 2, ROOF : IMP-3)

METAL PANEL ( IMP-1, MP-1)

EXPOSED CMU - SHOT BLAST, CMU-1

GUTTER & DOWNSPOUT, FINISH TO MATCH STANDING SEAM METAL ROOFING PANEL

ANNOTATION PLAN SYMBOL LEGEND

SLX SKYLIGHT

W-X WINDOW/ STOREFRONT - REFER TO GLAZING SCHEDULE, SHEET A-611

SF-X

KEYNOTES PER SHEET

NOTE	DESCRIPTION
05 51 33.13	VERTICAL METAL LADDERS
07 41 13.16A	PRE-FINISHED ALUMINUM DOWNSPOUT. FINISH TO MATCH ADJACENT WALL
07 41 13.16C	PRE-FINISHED ALUMINUM GUTTER. FINISH TO MATCH IMP-2
07 62 00.02	PRE-FINISHED PARAPET COPING WITH DRIP EDGE, CONCEALED FASTENING SYSTEM WITH SST. FASTENERS. COPING FINISH TO MATCH ADJACENT WALL
07 71 23.14	WALL MOUNTED DOWNSPOUT COVER REFER TO PLUMB DWG.
08 91 19.04	FIXED LOUVER PRE-FINISHED HORIZONTAL ALUMINUM BLADES. ~ REFER TO MECHANICAL FOR OPEN AIR PERCENTAGE REQUIREMENTS.
26 09 26	LIGHTING CONTROL PANELBOARDS, REFER TO ELECTRICAL DWGS.
26 36 23	AUTOMATIC TRANSFER SWITCHES, REFER TO ELECTRICAL DWGS.

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1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
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TITLE  
EXTERIOR ELEVATIONS  
PROJECT NO. 50184767  
SHEET NO. A-201



1 2 3 4 5 6

KEYNOTES PER SHEET	
NOTE	DESCRIPTION



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TITLE

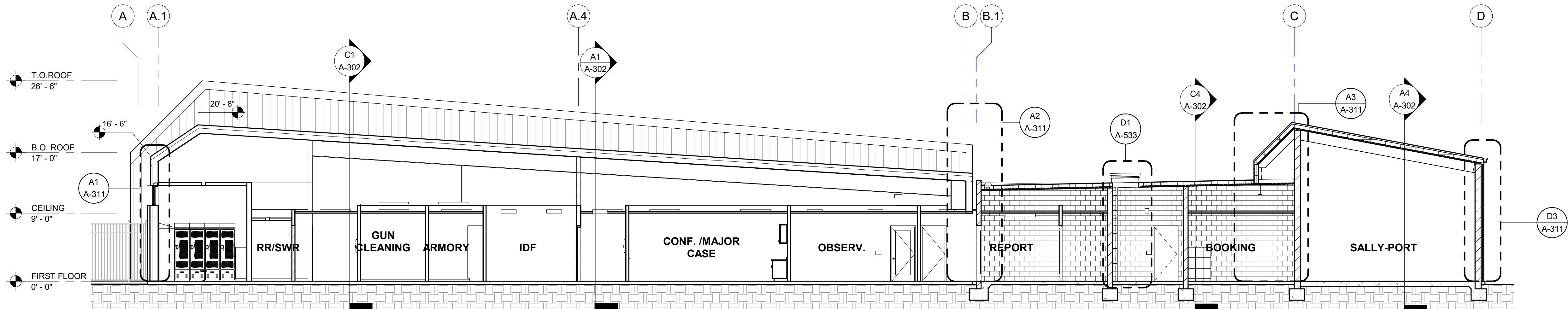
BUILDING  
SECTIONS

PROJECT NO. 50184767

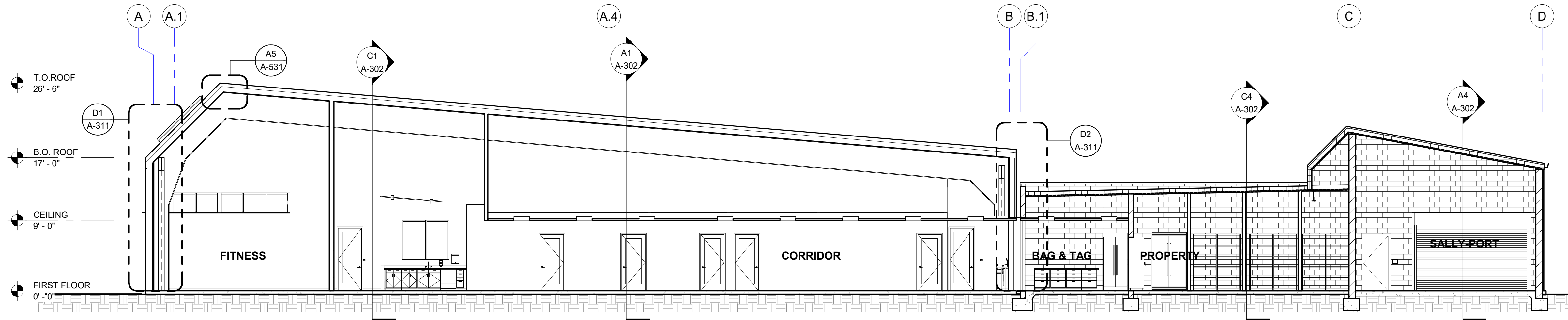
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SHEET NO.

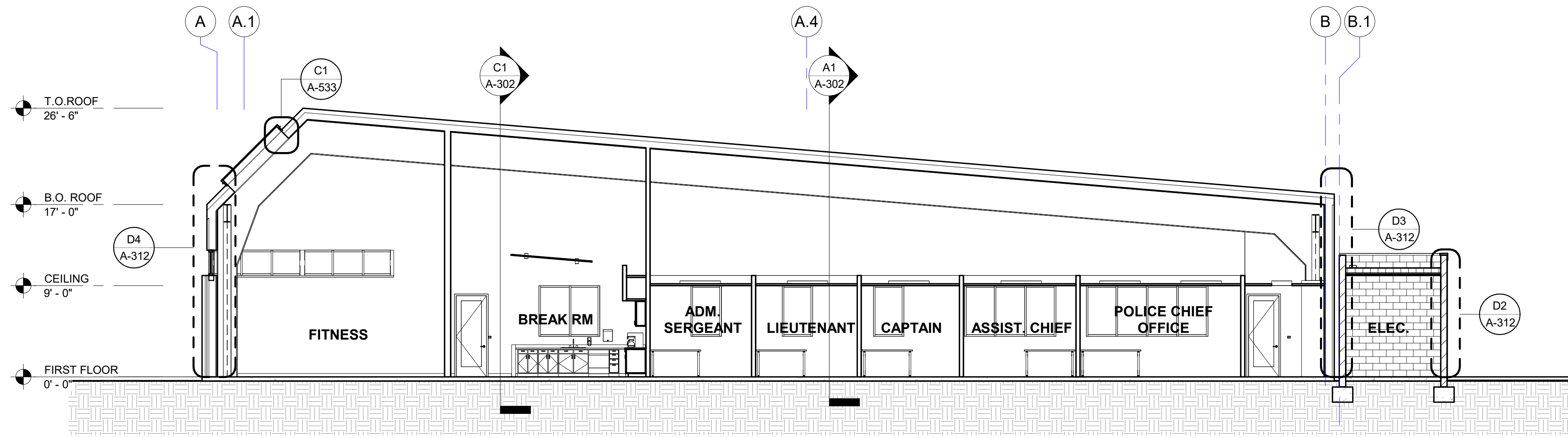
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D1 BUILDING SECTION E/W-1  
Scale: 1/8" = 1'-0"



C1 BUILDING SECTION E/W-2  
Scale: 1/8" = 1'-0"



A1 BUILDING SECTION E/W-3  
Scale: 1/8" = 1'-0"



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

BUILDING  
SECTIONS

PROJECT NO. 50184767

A-302

SHEET NO.

F

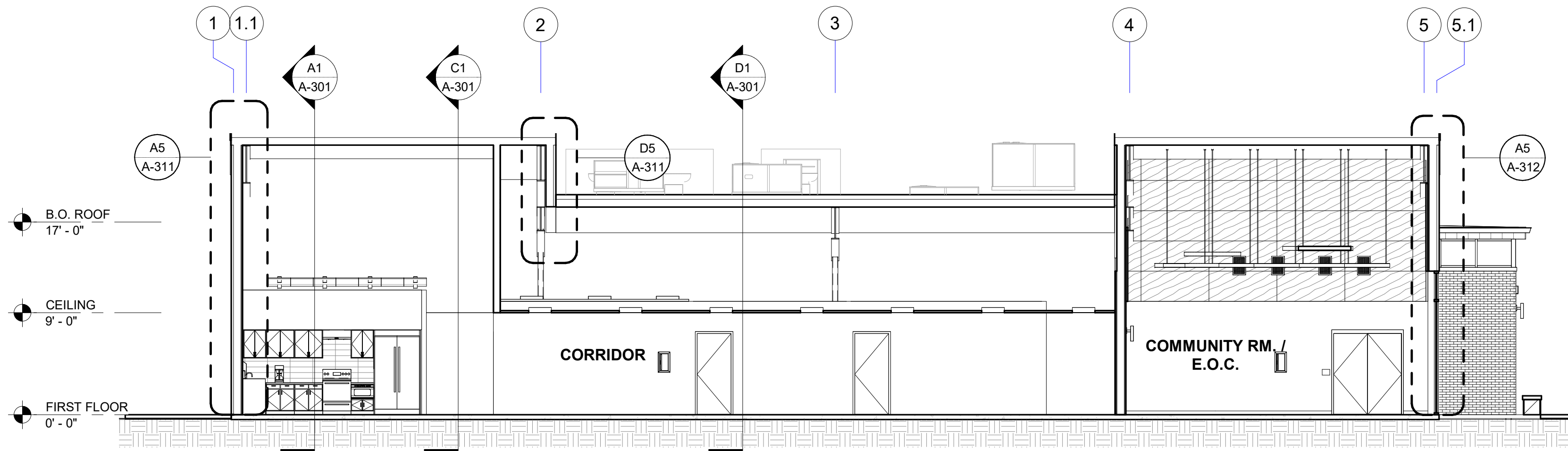
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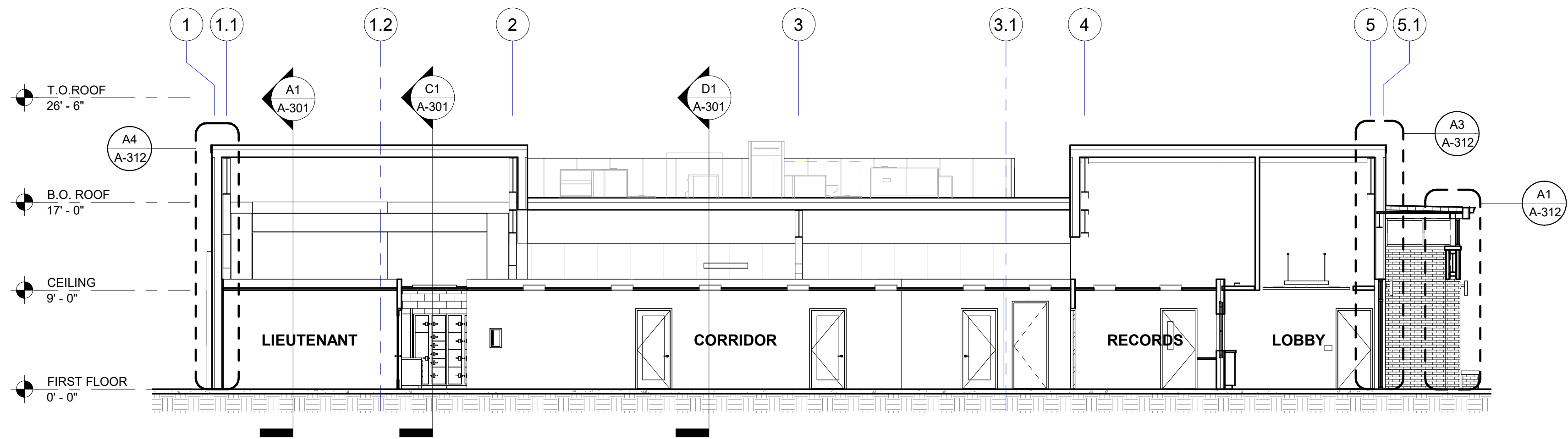
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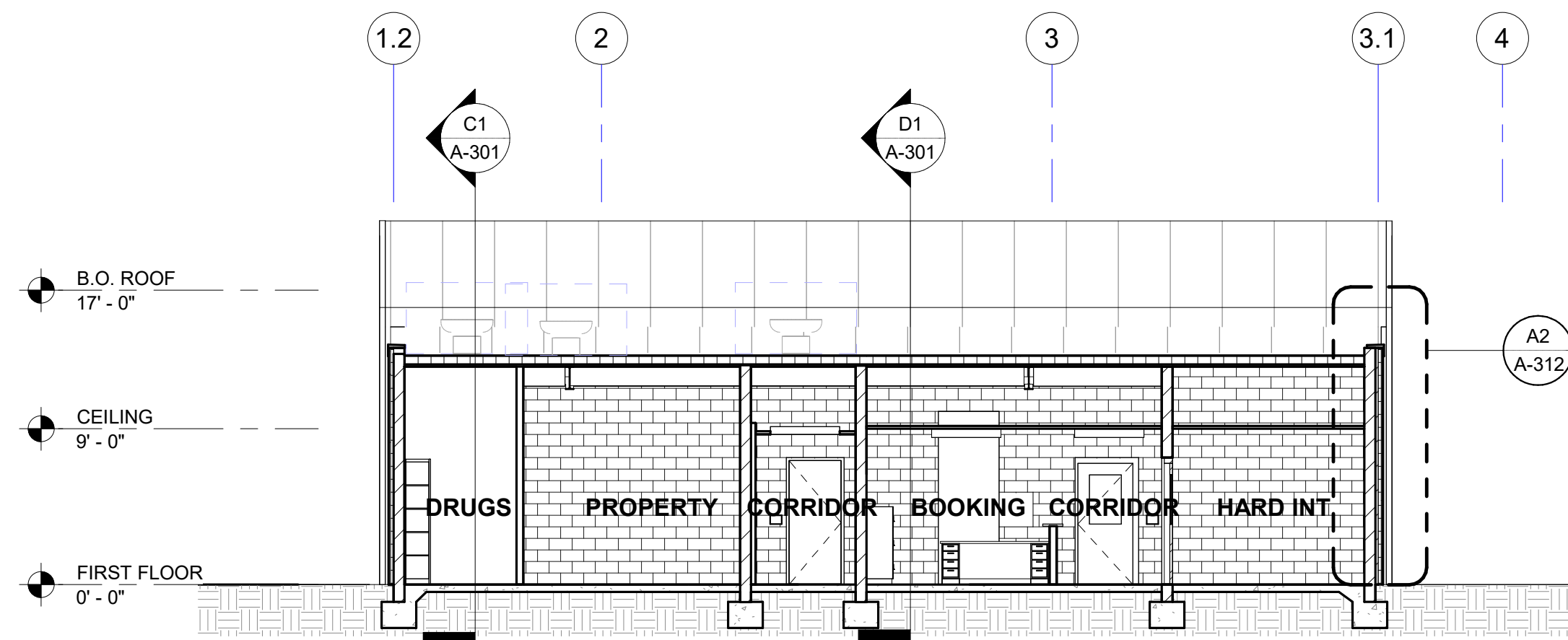
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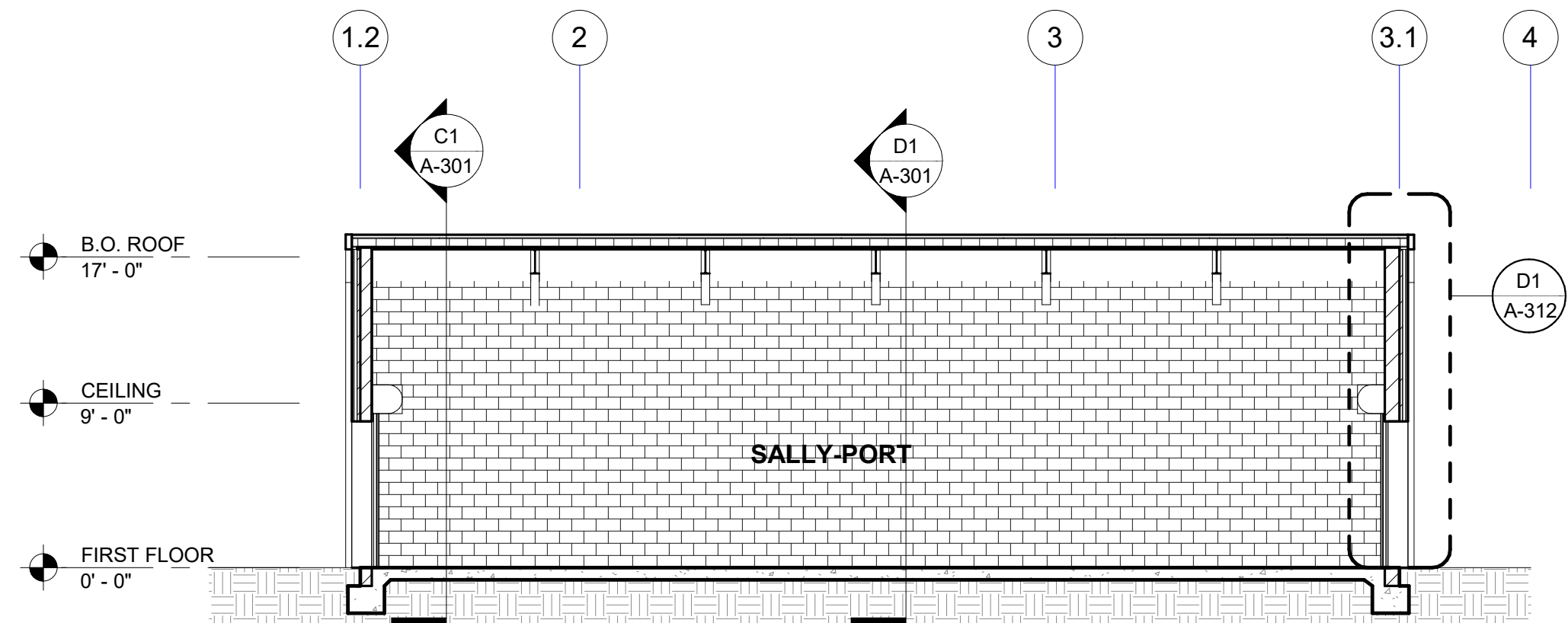
C1 BUILDING SECTION N/S-1  
Scale: 1/8" = 1'-0"



A1 BUILDING SECTION N/S-2  
Scale: 1/8" = 1'-0"



C4 BUILDING SECTION N/S-3  
Scale: 1/8" = 1'-0"

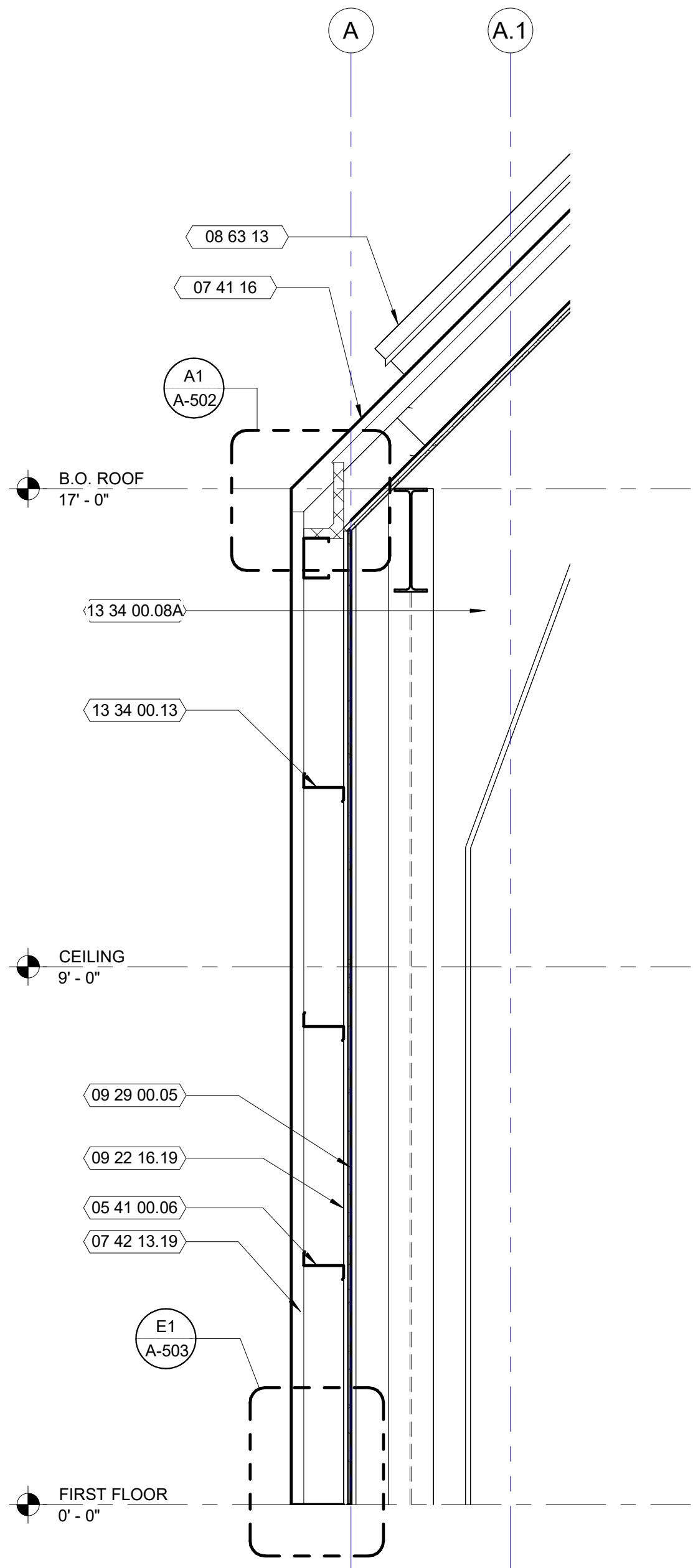


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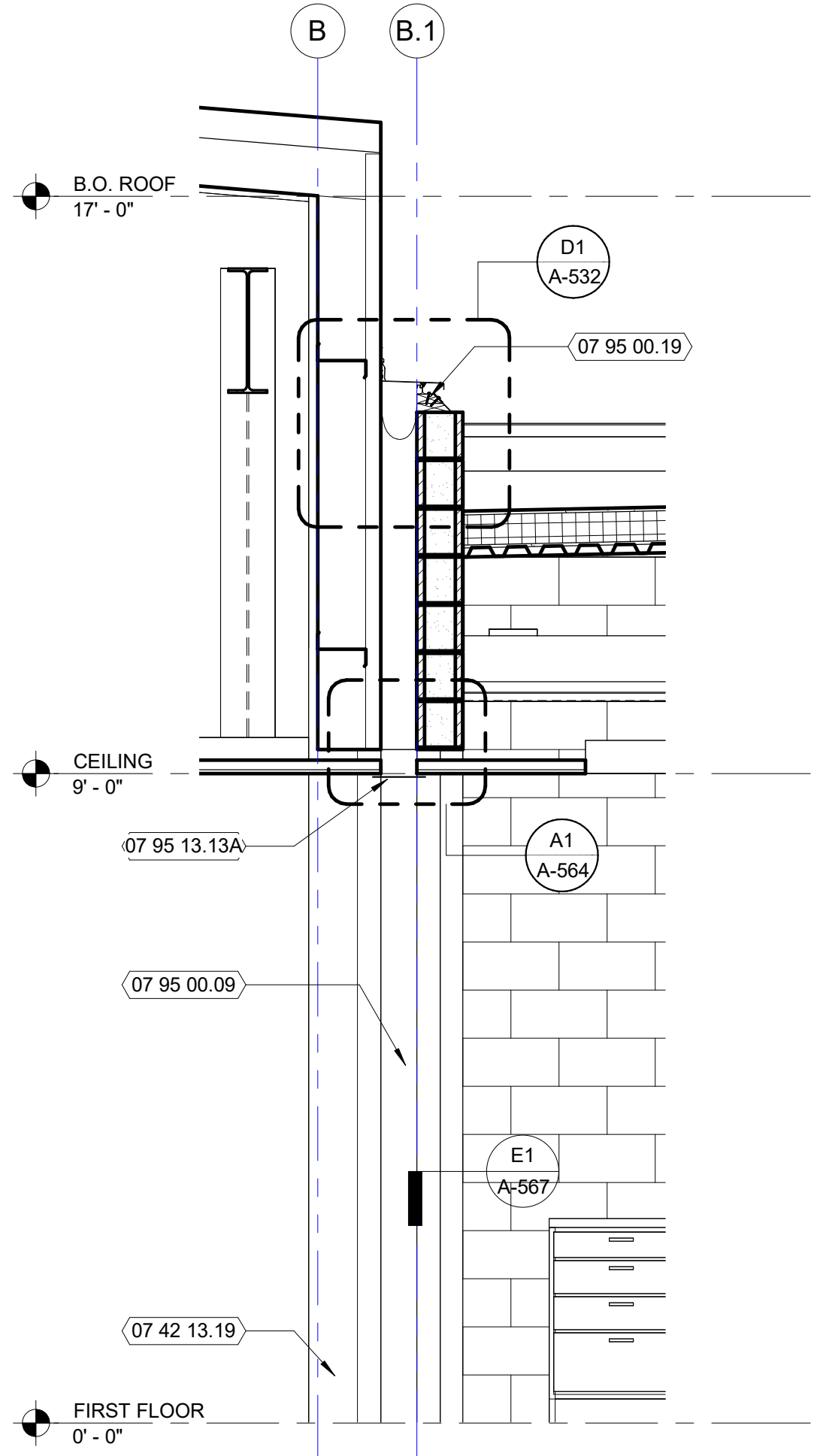


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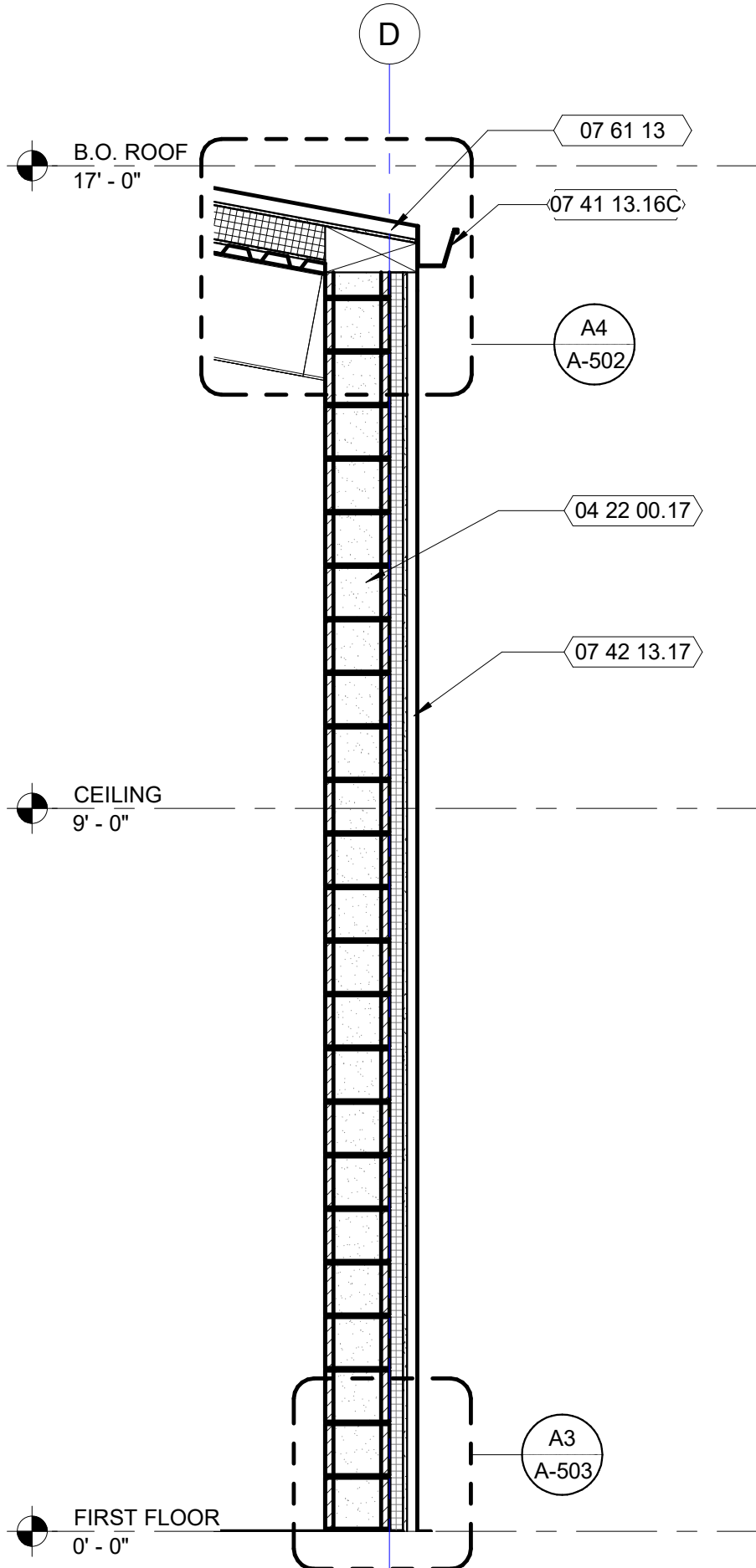
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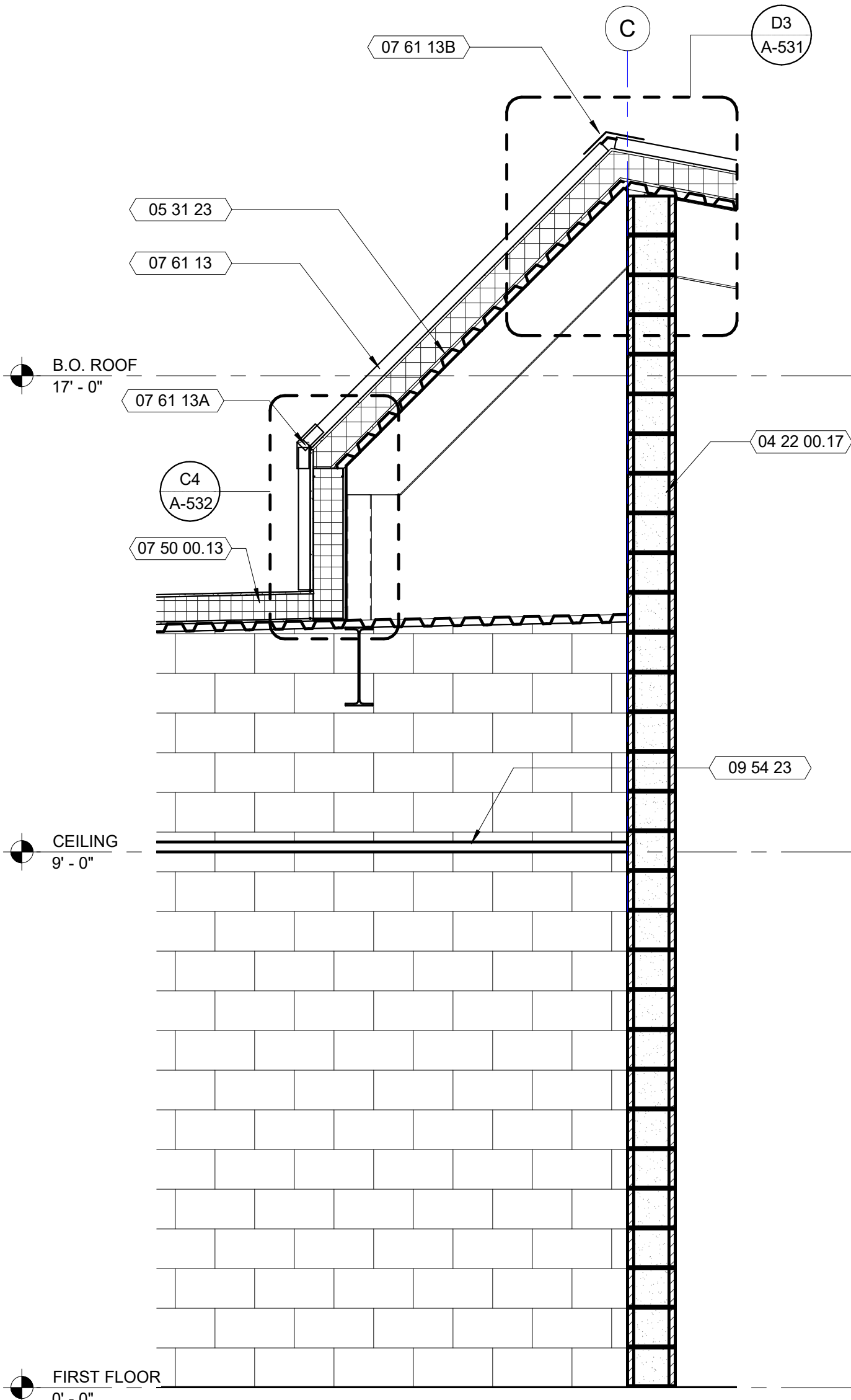
**D1 WALL SECTION**  
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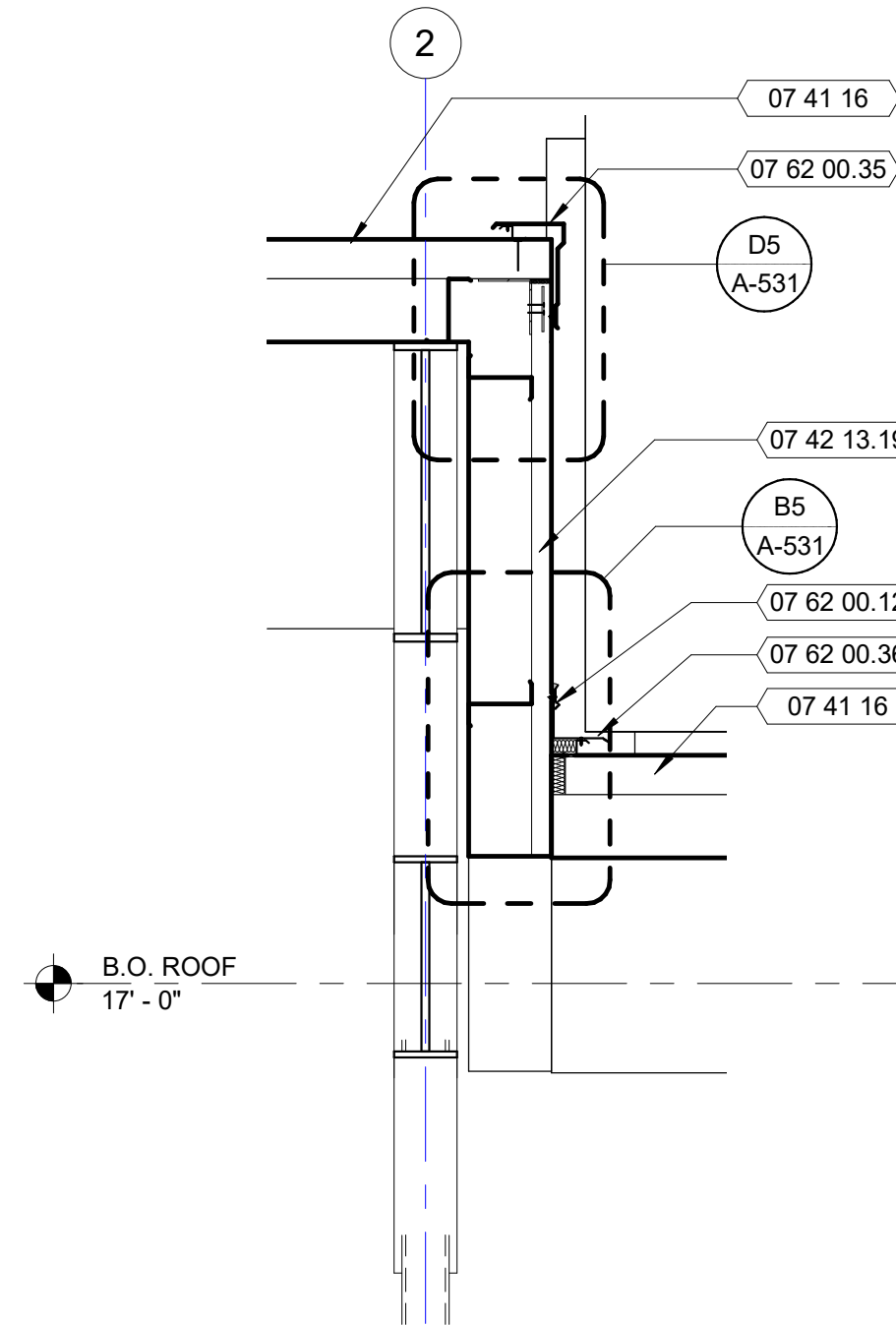
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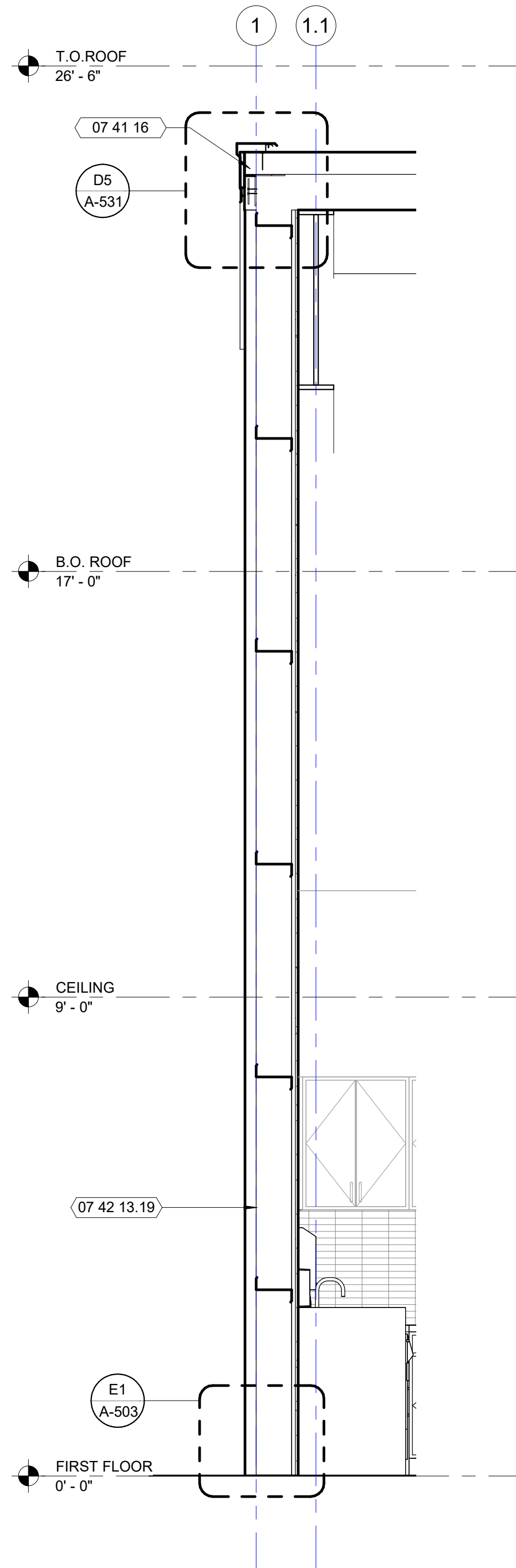
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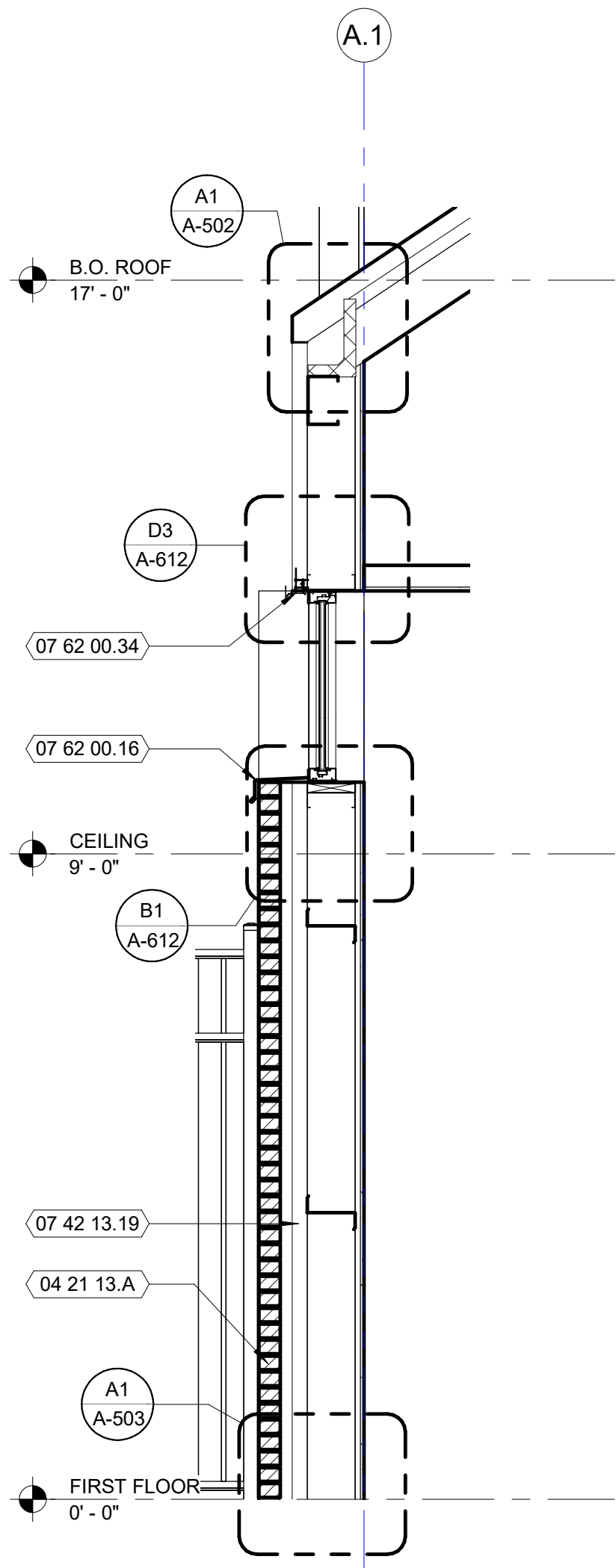
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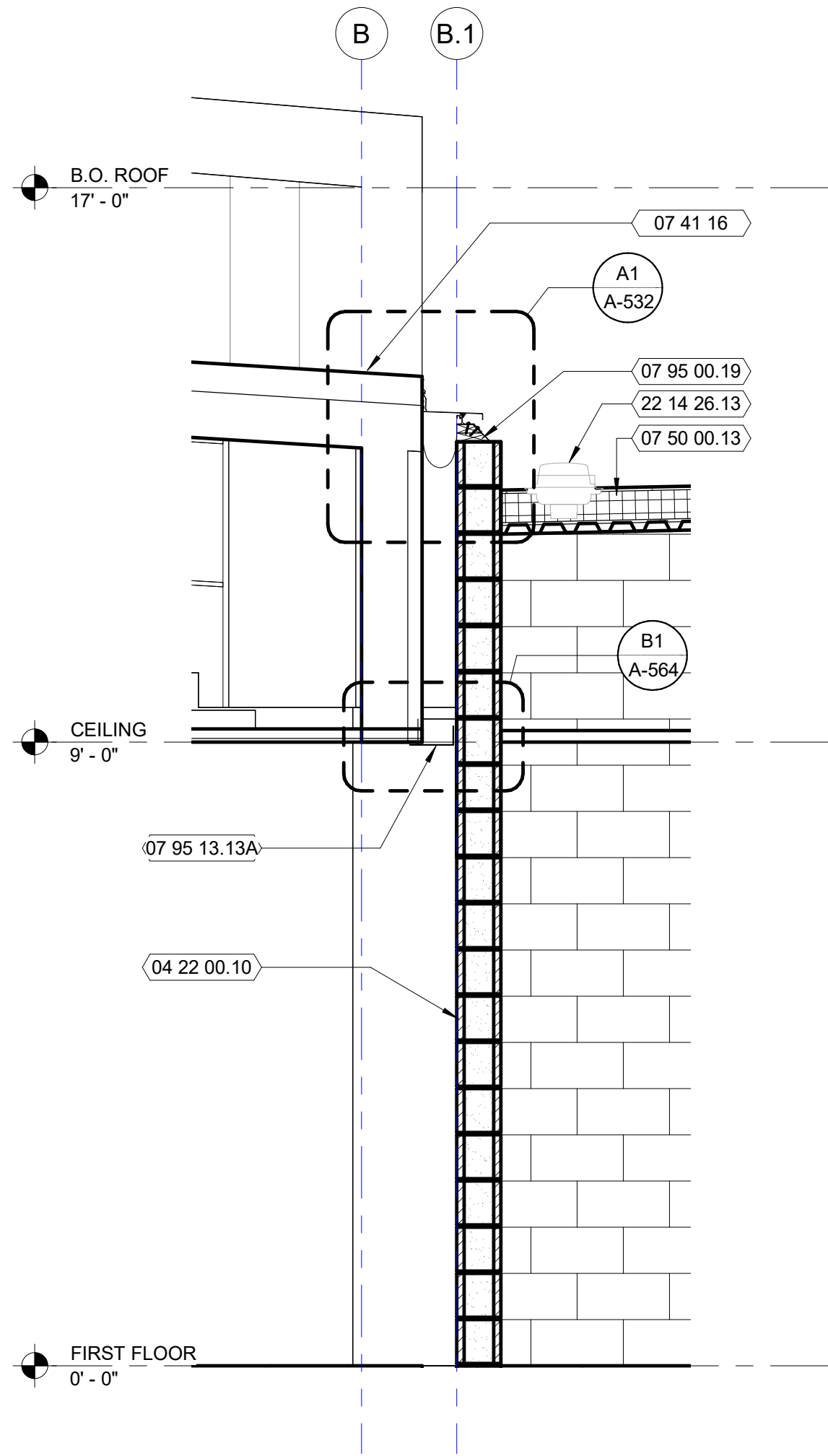
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Scale: 1/2" = 1'-0"



**A5 WALL SECTION**  
Scale: 1/2" = 1'-0"



**A1 WALL SECTION**  
Scale: 1/2" = 1'-0"



**A2 WALL SECTION**  
Scale: 1/2" = 1'-0"



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Sacramento, CA 95833  
916.239.7244

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KEY PLAN

SCALE

REVISIONS

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DATE 10/29/2025  
TITLE

WALL SECTIONS

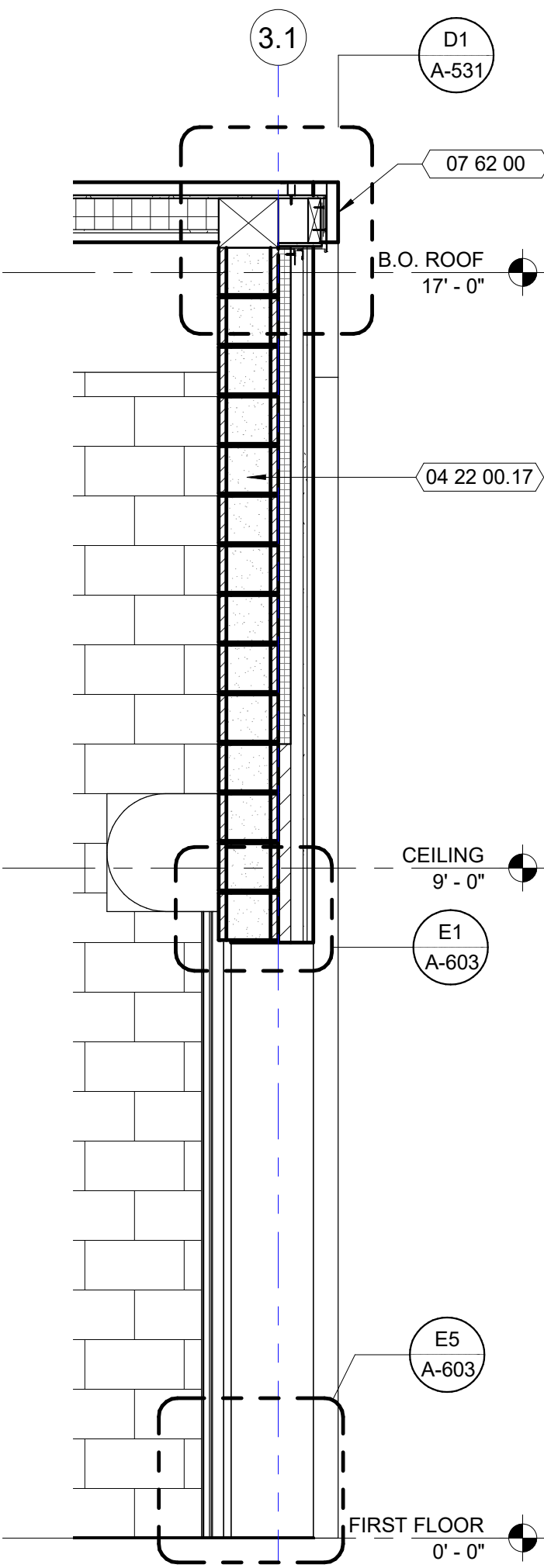
PROJECT NO. 50184767

A-311

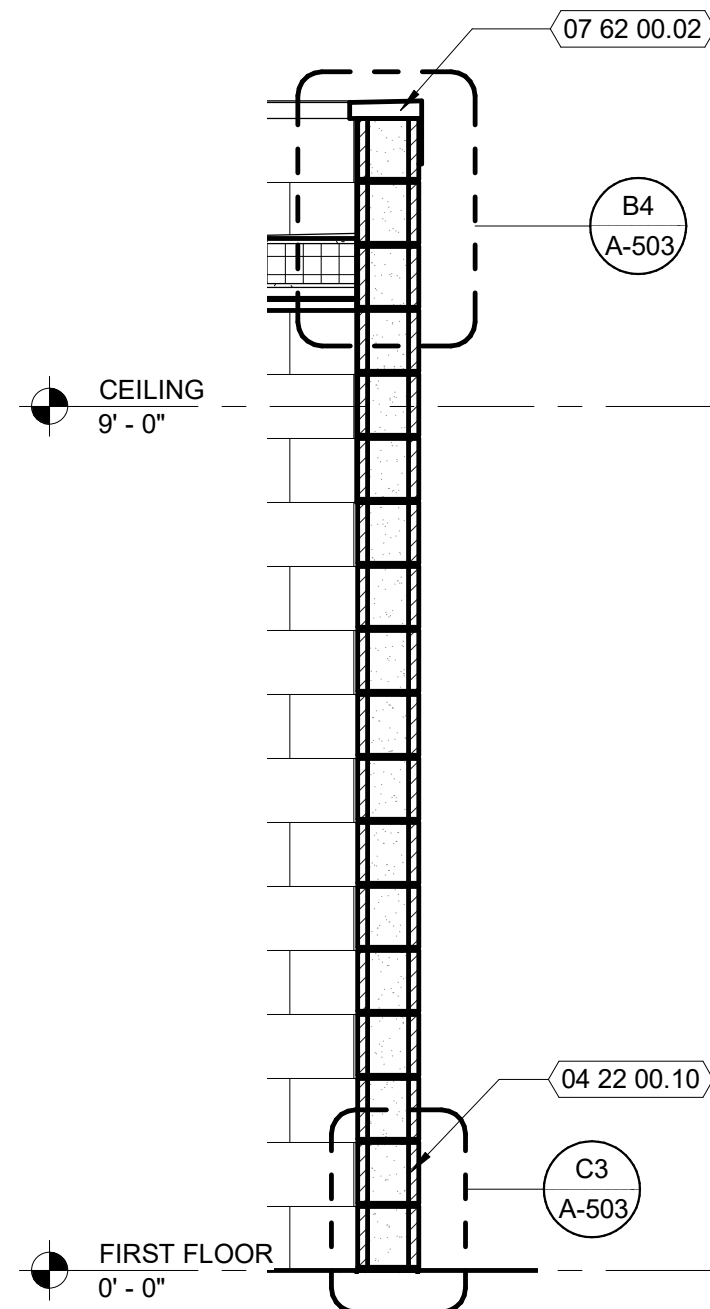
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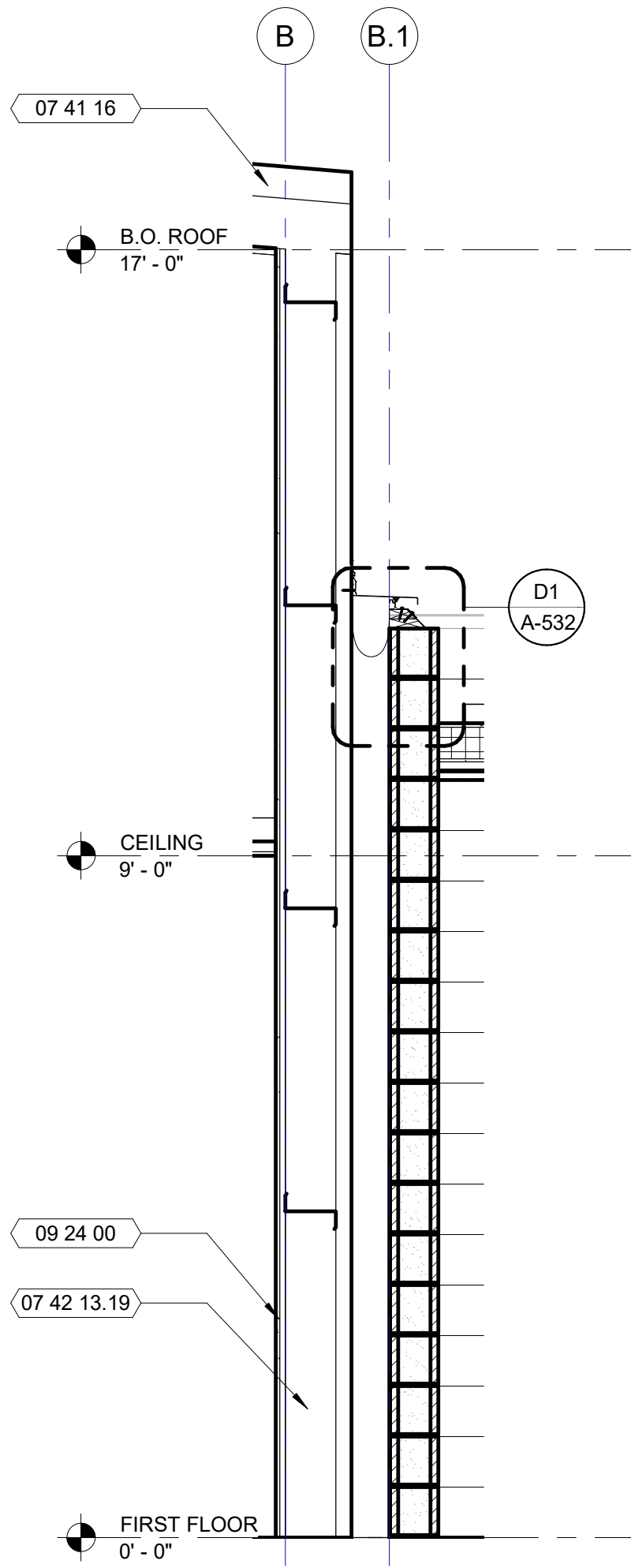
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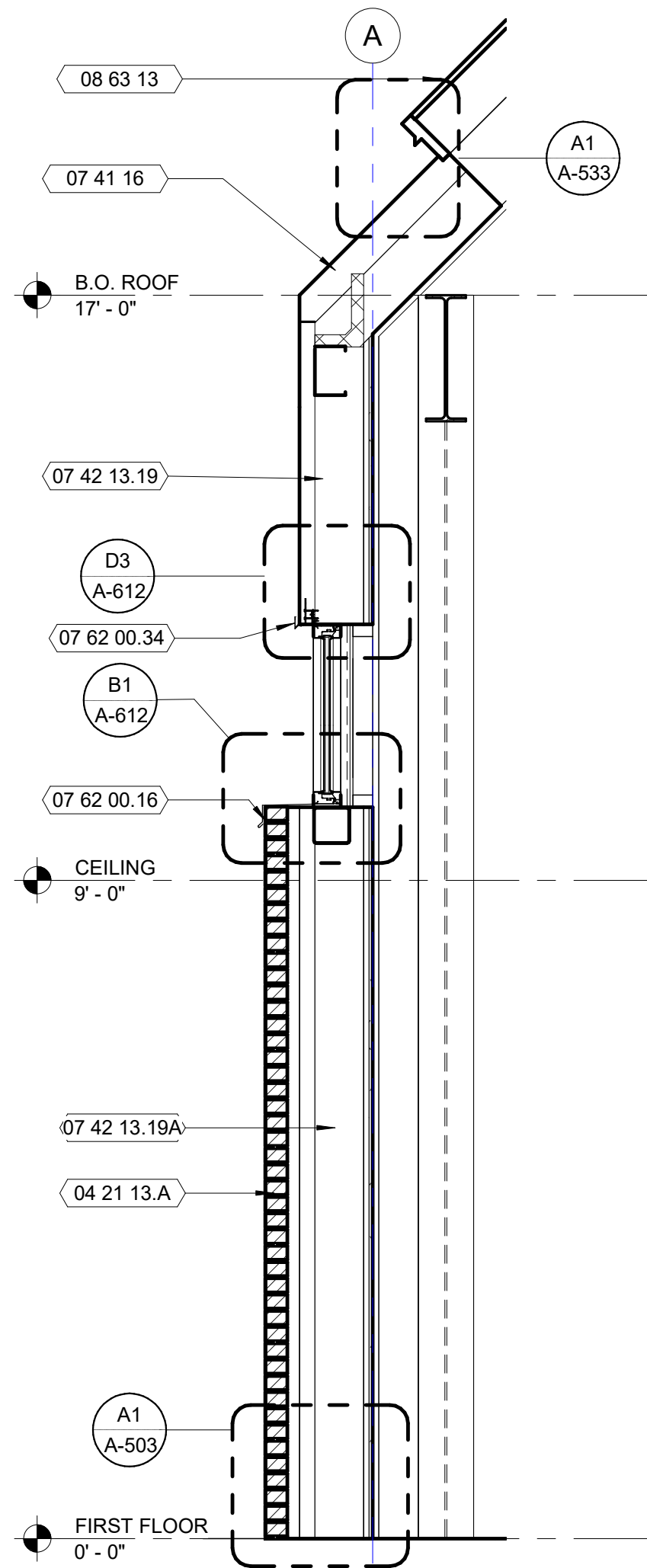
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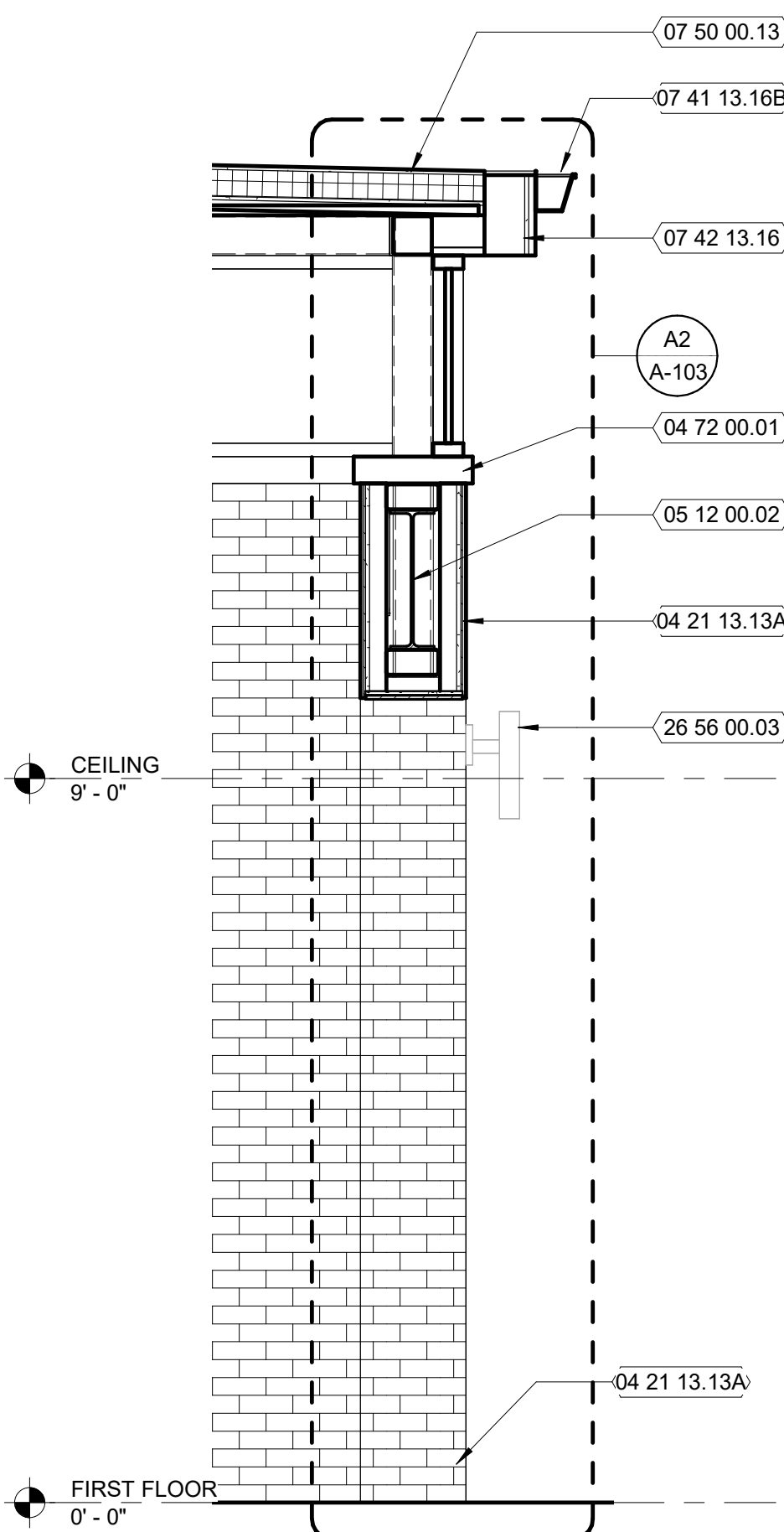
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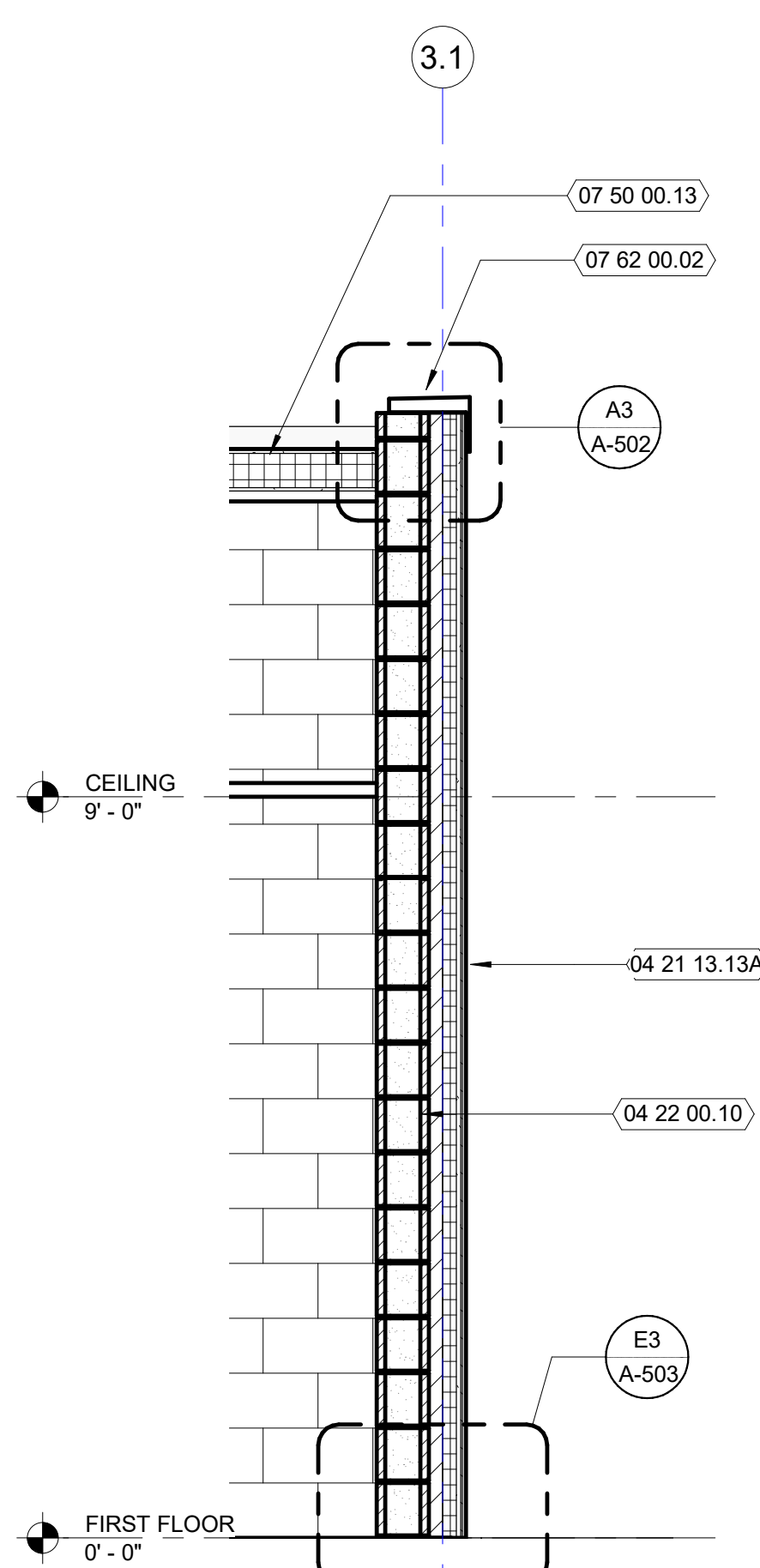
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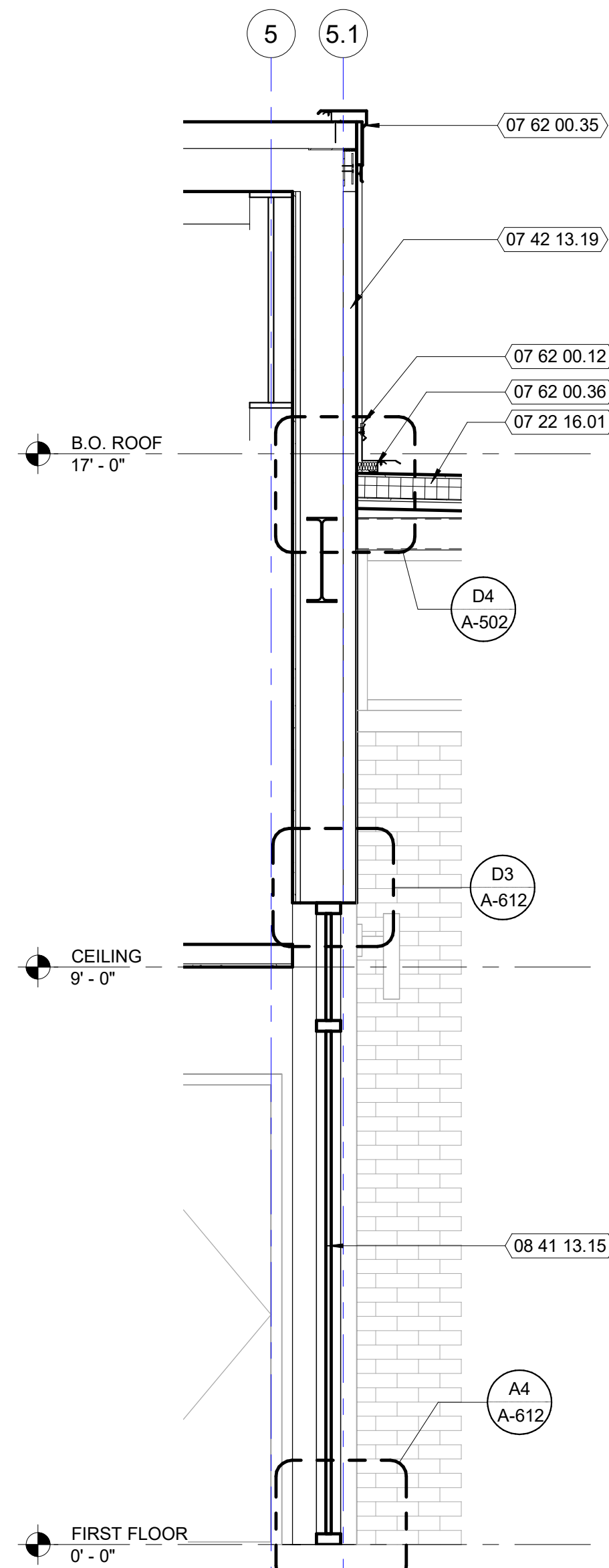
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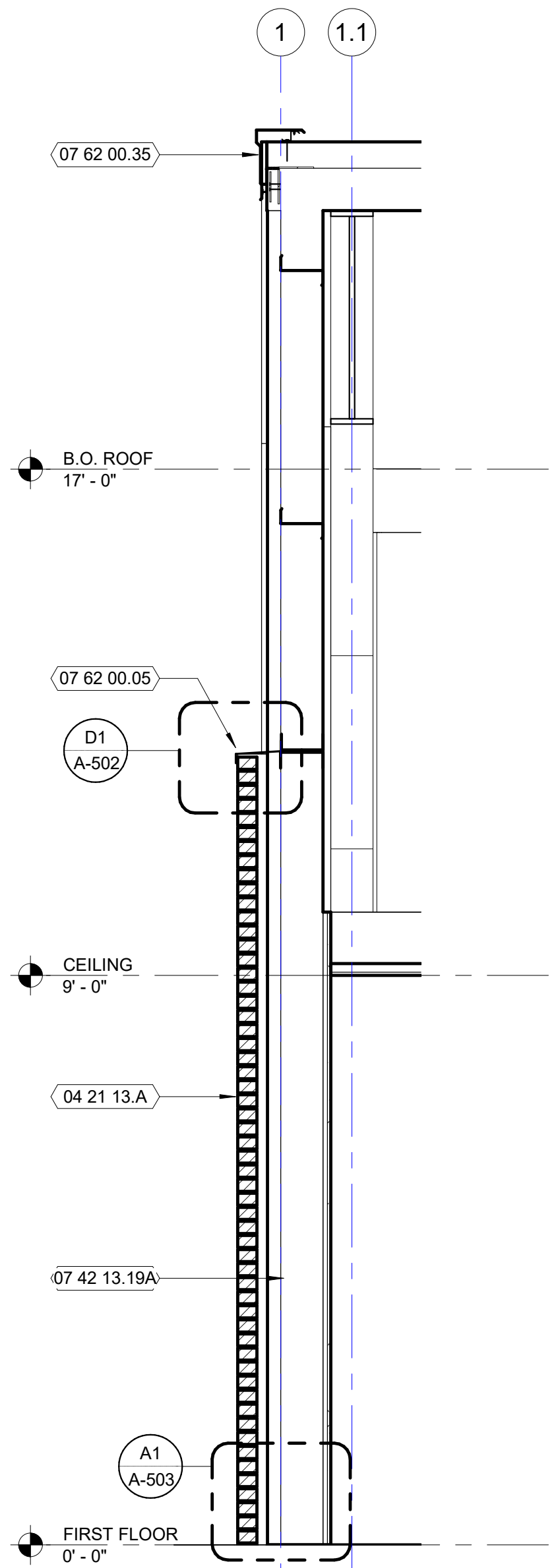
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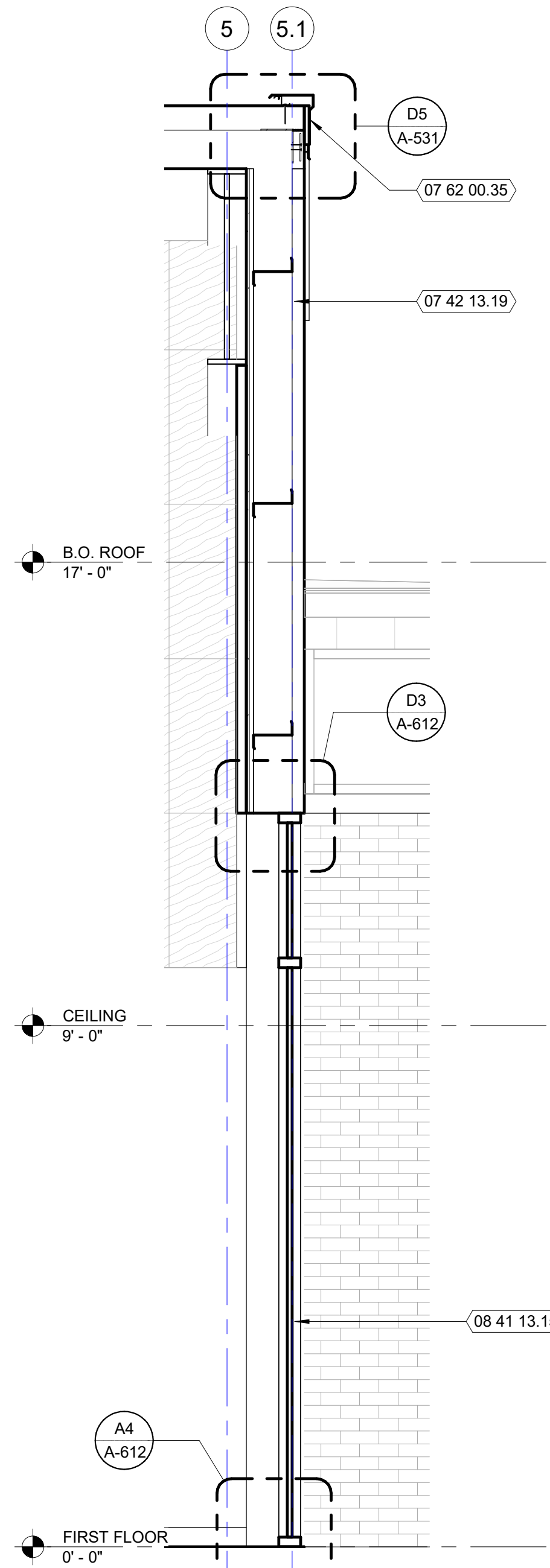
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Scale: 1/2" = 1'-0"



A3 WALL SECTION  
Scale: 1/2" = 1'-0"



A4 WALL SECTION  
Scale: 1/2" = 1'-0"



A5 WALL SECTION  
Scale: 1/2" = 1'-0"

KEYNOTES PER SHEET	
NOTE	DESCRIPTION
04 21 13.13A	1/2" THIN BRICK VENEER, REFER TO BK-2
04 21 13.A	4" NOMINAL WIDTH CLAY FACE BRICK LAID IN RUNNING BOND PATTERN, REFER TO BK-1.
04 22 00.10	STANDARD WEIGHT, NOMINAL 8" HOLLOW CORE CMU.
04 22 00.17	STANDARD WEIGHT, NOMINAL 10" HOLLOW CORE CMU.
04 72 00.01	CAST STONE SILL TRIM WITH DRIP, PROVIDE BACKER ROD AND SEALANT AT JOINT LOCATIONS.
05 12 00.02	STRUCTURAL STEEL BEAM - REFER TO STRUCTURAL.
07 22 16.01	TAPERED RIGID INSULATION, REF. ROOF PLANS
07 41 13.16B	PRE-FINISHED ALUMINUM GUTTER, FINISH TO MATCH MP-1
07 41 16	INSULATED METAL ROOF PANELS
07 42 13.16	METAL PLATE WALL PANELS
07 42 13.19	INSULATED METAL WALL PANELS
07 42 13.19A	INSULATED METAL WALL PANELS BACK-UP WALL SYSTEM
07 50 00.13	PVC ROOF MEMBRANE 60 MIL FULLY ADHERED.
07 62 00	SHEET METAL FLASHING AND TRIM
07 62 00.02	PRE-FINISHED PARAPET COPING WITH DRIP EDGE, CONCEALED FASTENING SYSTEM WITH SST. FASTENERS. COPING FINISH TO MATCH ADJACENT WALL
07 62 00.05	PRE-FINISHED METAL FLASHING OR CAP WITH DRIP EDGE. FINISH TO MATCH BK-1.
07 62 00.12	PRE-FINISHED ALUMINUM COUNTERFLASHING.
07 62 00.16	PRE-FINISHED ALUMINUM FLASHING W/ DRIP EDGE, CONCEALED FASTENING SYSTEM & SST. FASTENERS EXTEND UNDER STOREFRONT WINDOW.
07 62 00.34	PRE-FINISHED ALUMINUM HEADER TRIM.
07 62 00.35	PRE-FINISHED ALUMINUM RAKE TRIM PER IMP MANUFACTURER.
07 62 00.36	PRE-FINISHED ALUMINUM ROOF TRANSITION TRIM PER IMP MANUFACTURER.
08 41 13.15	ANODIZED ALUMINUM STOREFRONT WITH INSULATED GLAZING. -REFER TO GLAZING SCHEDULES, AND ELEVATIONS.
08 63 13	DOMED METAL-FRAMED SKYLIGHTS
09 24 00	CEMENT PLASTERING
26 56 00.03	SURFACE MOUNTED LIGHTING. - REFER TO ELECTRICAL.



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1760 Creekside Oaks Dr #280  
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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

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CHECKED BY JQ  
DATE 10/29/2025  
TITLE

WALL SECTIONS

PROJECT NO. 50184767

A-312

SHEET NO.



10/29/2025 2:11:01 PM

A

B

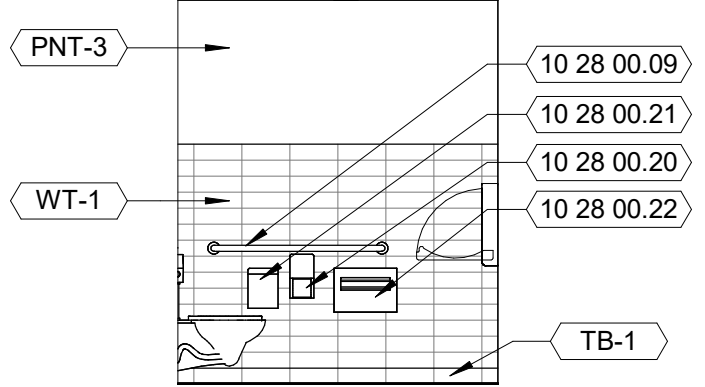
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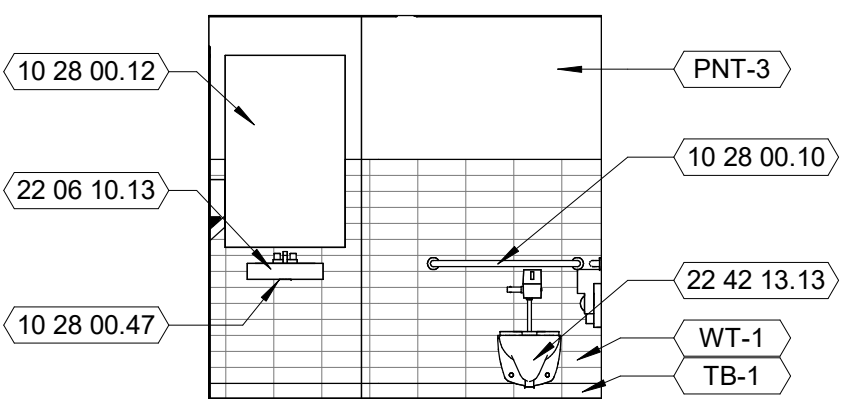
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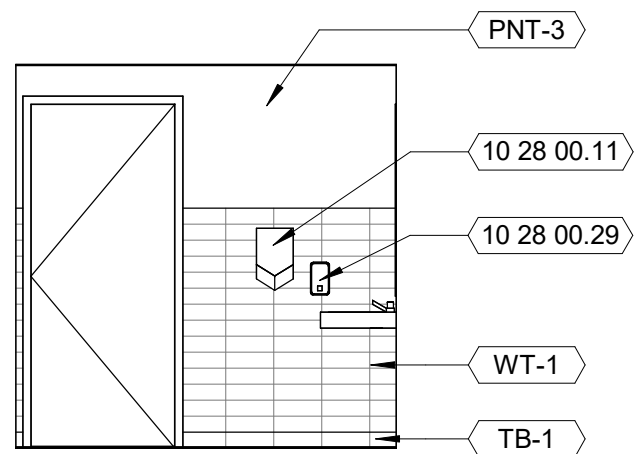
**A1** RR 102 - WEST ELEVATION  
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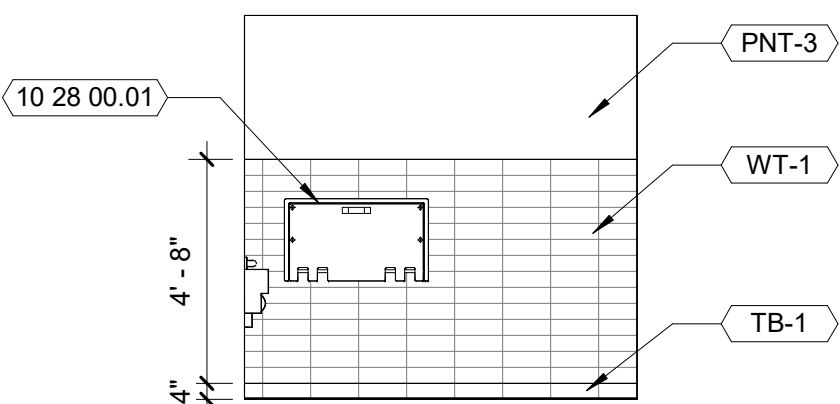
**B1** RR 102 - SOUTH ELEVATION  
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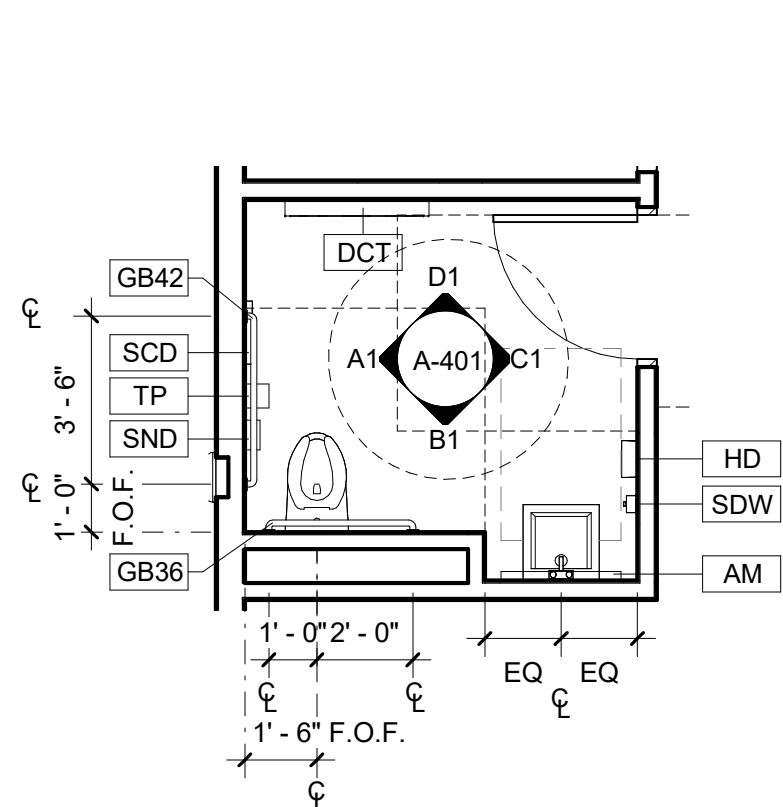
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Scale: 1/4" = 1'-0"



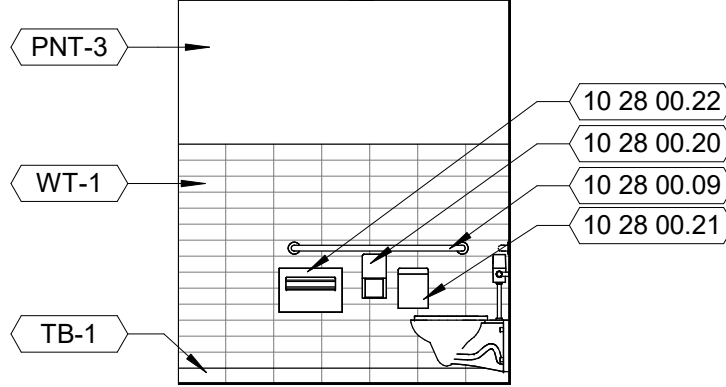
**D1** RR 102 - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



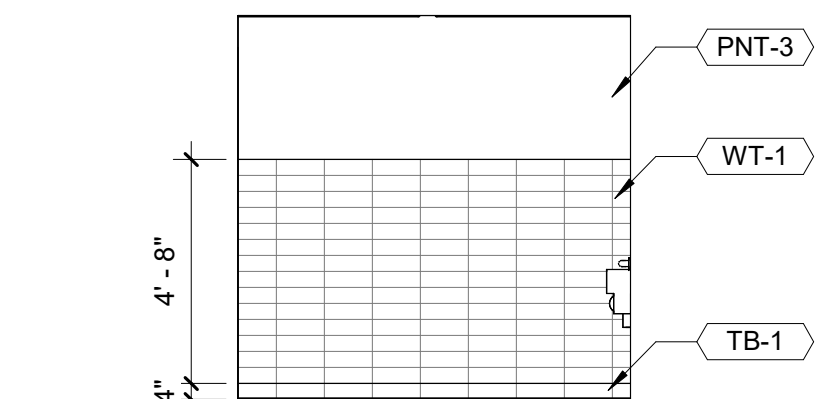
**E1** ENLARGED PLAN - UNISEX RESTROOM 102  
Scale: 1/4" = 1'-0"



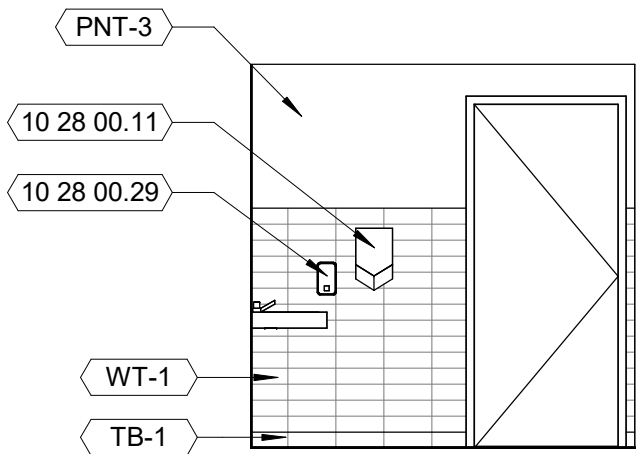
**A2** RR 103 - WEST ELEVATION  
Scale: 1/4" = 1'-0"



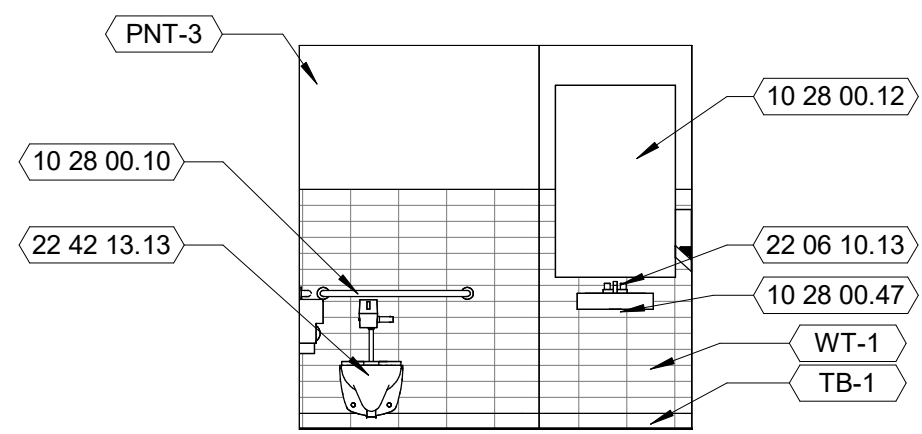
**B2** RR 103 - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



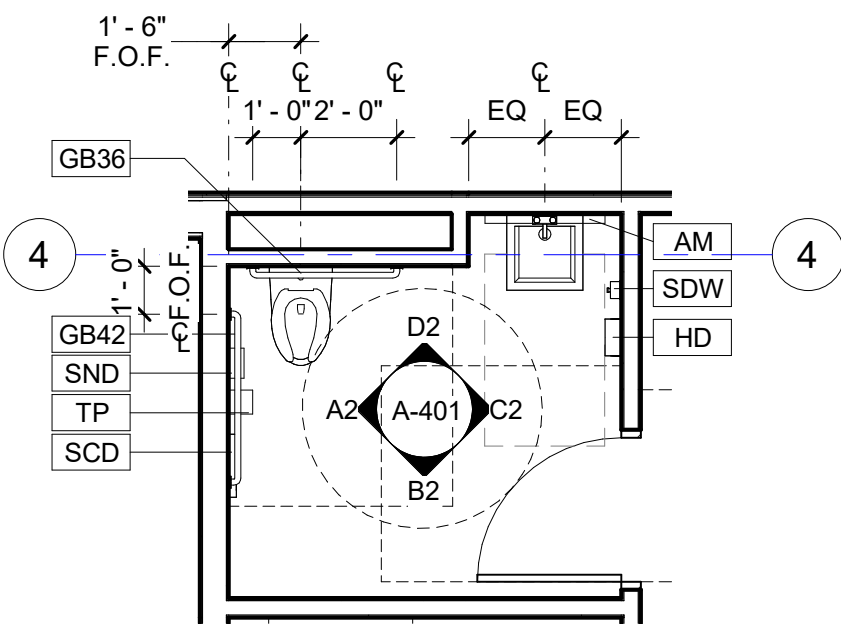
**C2** RR 103 - EAST ELEVATION  
Scale: 1/4" = 1'-0"



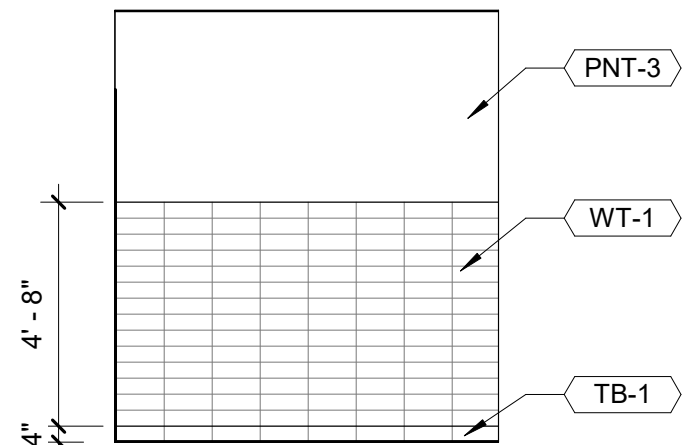
**D2** RR 103 - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



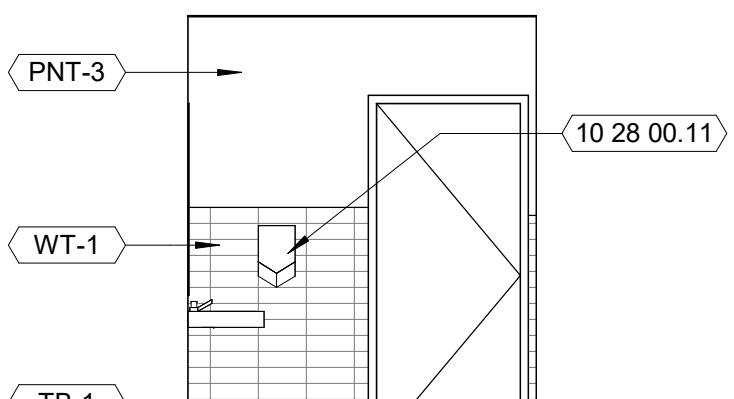
**E2** ENLARGED PLAN - UNISEX RESTROOM 103  
Scale: 1/4" = 1'-0"



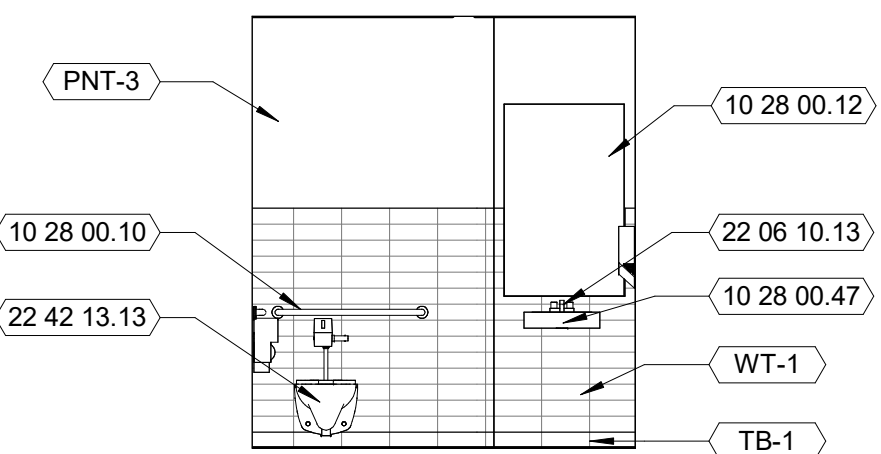
**A3** RR 106 - WEST ELEVATION  
Scale: 1/4" = 1'-0"



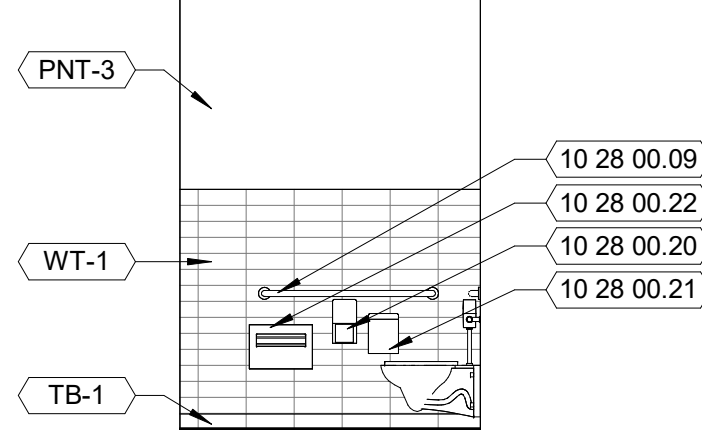
**B3** RR 106 - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



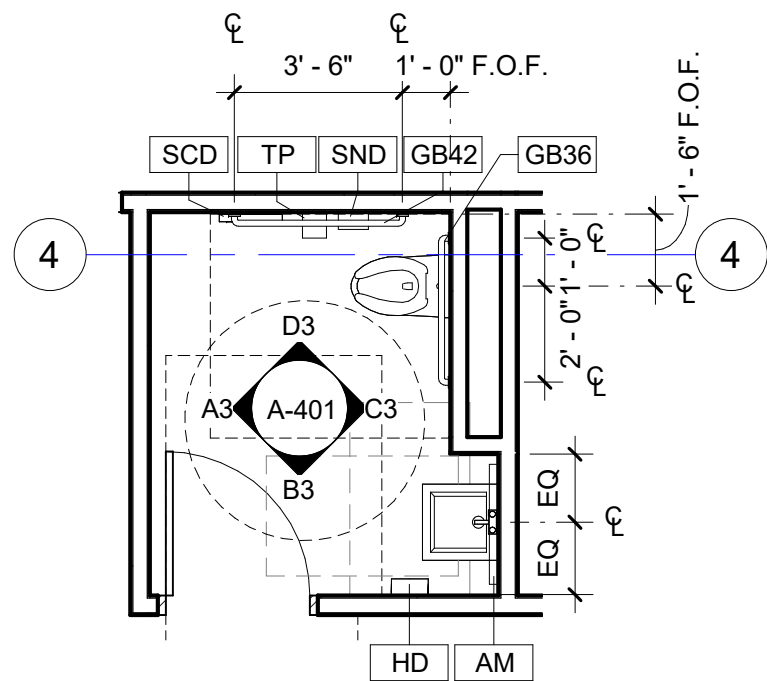
**C3** RR 106 - EAST ELEVATION  
Scale: 1/4" = 1'-0"



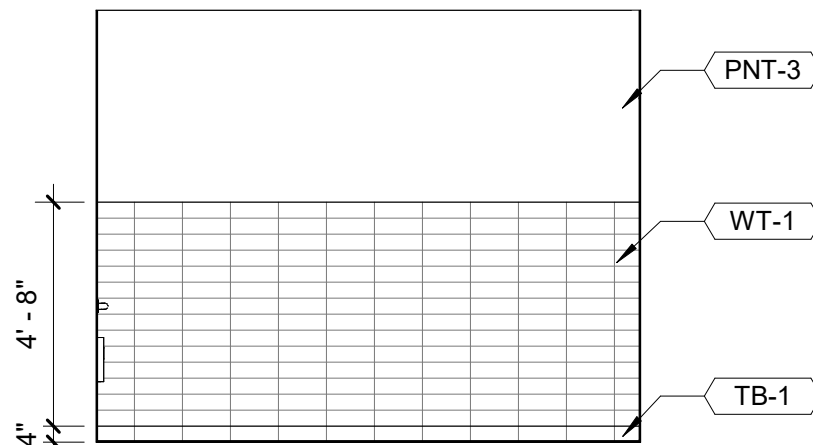
**D3** RR 106 - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



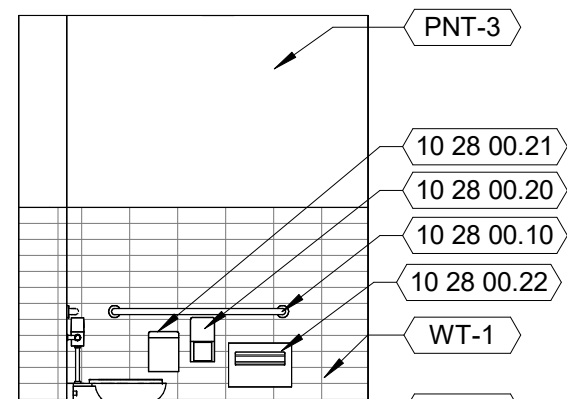
**E3** ENLARGED PLAN - UNISEX RESTROOM 106  
Scale: 1/4" = 1'-0"



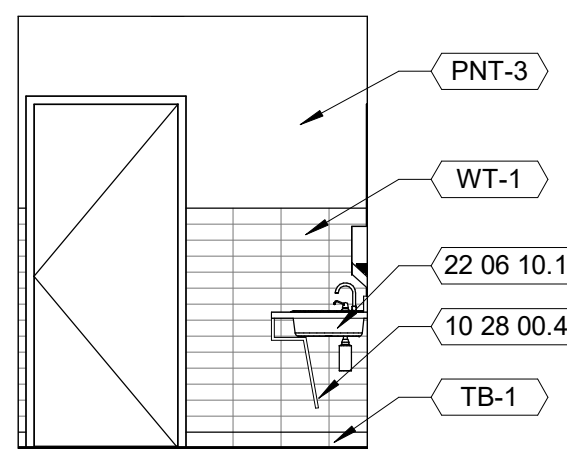
**A4** RR 144 - WEST ELEVATION  
Scale: 1/4" = 1'-0"



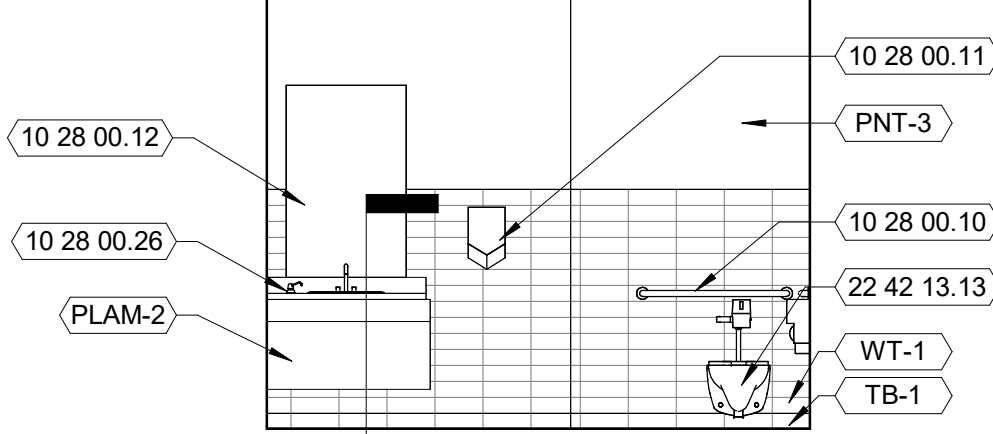
**B4** RR 144 - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



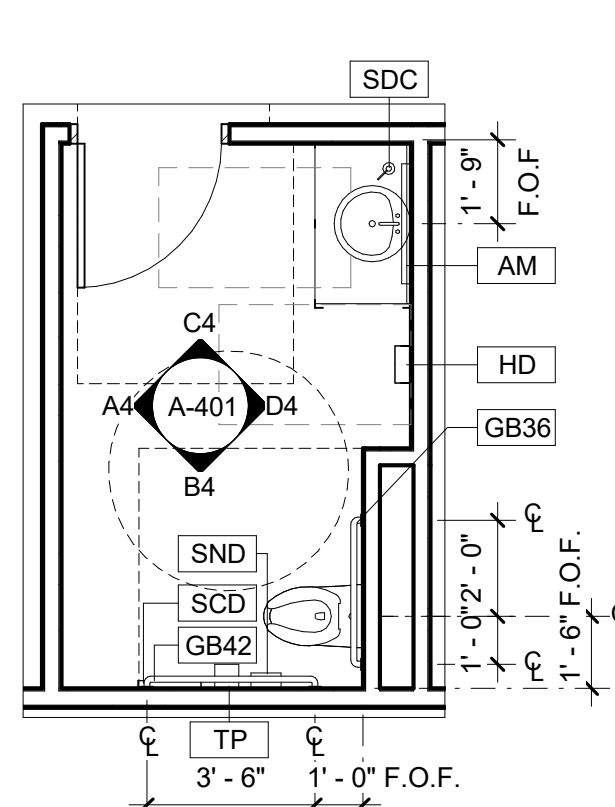
**C4** RR 144 - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



**D4** RR 144 - EAST ELEVATION  
Scale: 1/4" = 1'-0"



**E4** ENLARGED PLAN - INT. RESTROOM 144  
Scale: 1/4" = 1'-0"



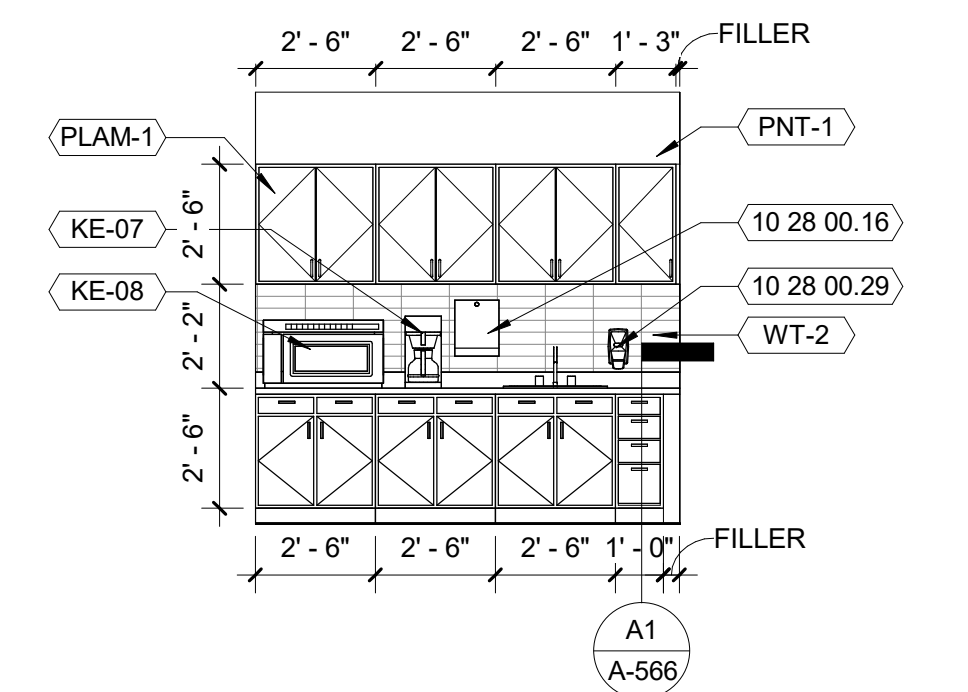
**A5** BREAKROOM 110 - WEST ELEVATION  
Scale: 1/4" = 1'-0"



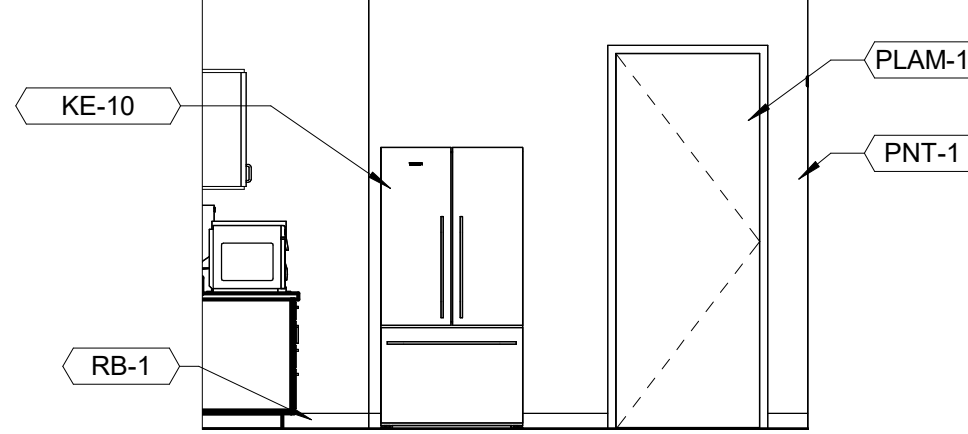
**B5** BREAKROOM 110 - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



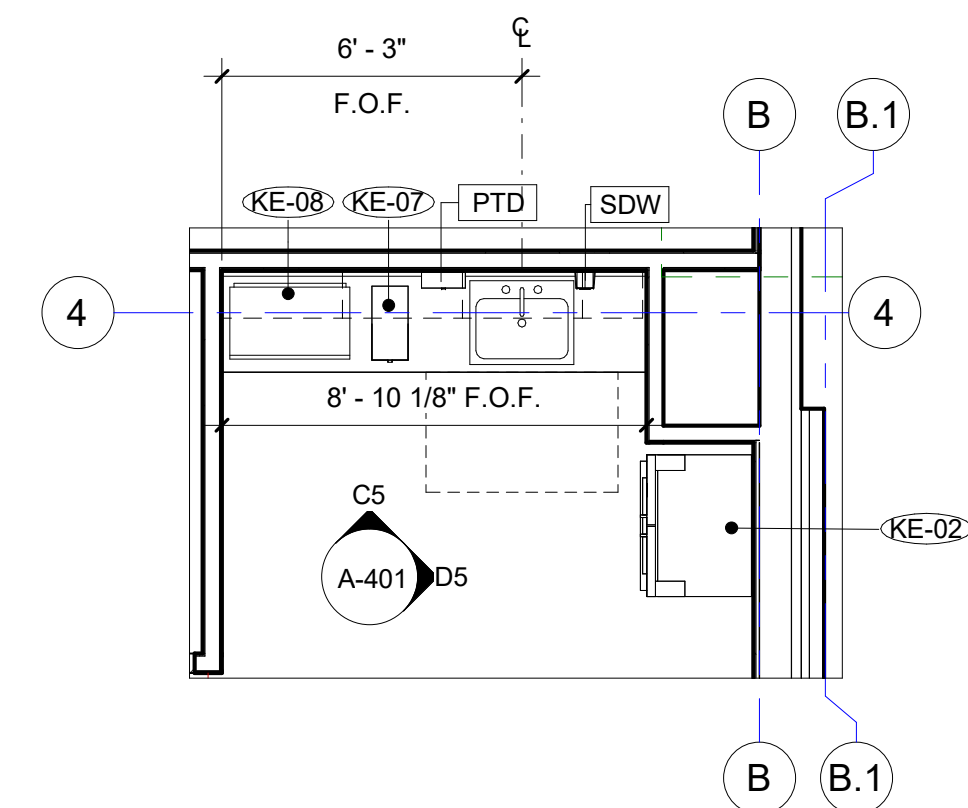
**C5** BREAKROOM 110 - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



**D5** BREAKROOM 110 - EAST ELEVATION  
Scale: 1/4" = 1'-0"



**E5** ENLARGED PLAN - BREAKROOM 110  
Scale: 1/4" = 1'-0"



ENLARGED DRAWINGS GENERAL NOTES

1. REFER TO SHEET G-400 FOR TOILET ACCESSORY DESIGNATIONS AND MOUNTING HEIGHTS
2. REFER TO SEE SHEET A-115 FOR FINISH MATERIAL DESIGNATIONS AND DETAILS
3. REFER TO SHEET A-565 FOR GENERAL CASEWORK NOTES
4. REFER TO SHEET A-620 FOR EQUIPMENT DESIGNATIONS AND SCHEDULES
5. SLOPE FINISH FLOOR TO DRAIN 1/8 in./ ft. MIN. TO 1/4in./ft. MAX.

KITCHEN ACCESSORIES LEGEND

PTD	PAPER TOWEL DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
MR	MOP RACK

TOILET ACCESSORIES LEGEND

AM	ACCESS MIRROR
FM	FULL LENGTH ACCESSIBLE MIRROR
CSR	ACCESSIBLE CLOSET SHELF & ROD
CH	COAT HOOK
DCT	DIAPER CHANGING TABLE
FS	FOLDING SEAT
GB	GRAB BAR
HD	HAND DRYER
MR	MOP RACK
PTD	PAPER TOWEL DISPENSER
PTDR	FULL HT PAPER TOWEL DISPENSER
PTRD	PAPER TOWEL ROLL DISPENSER
RH	ROBE HOOK
SCD	SEAT COVER DISPENSER
SC	SHOWER CONTROL, FAUCET AND SPRAY
SDC	COUNTERTOP MOUNTED SOAP DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TP	TOILET PAPER DISPENSER
BN	ADA BENCH

ENLARGED PLAN SYMBOL LEGEND

XX	TOILET / KITCHEN ACCESSORY TAGS
00 00 00.00	KEYNOTE TAGS
XX-X	FINISH TAGS
XX-X	EQUIPMENT TAGS, REFER TO EQUIPMENT SCHEDULE, SHEET A-701

KEYNOTES PER SHEET

NOTE	DESCRIPTION
10 28 00.01	BABY CHANGING STATION, INSTALL WITH CHANGING SURFACE AT 34" A.F.F. MAX.
10 28 00.09	GRAB BAR 1 1/2" O.D. x 42"L MOUNT 33" - 36" ABOVE THE FINISHED FLOOR.
10 28 00.10	GRAB BAR 1 1/2" O.D. x 36"L MOUNT 33" - 36" ABOVE THE FINISHED FLOOR.
10 28 00.11	HAND DRYER, INSTALL 40" AFF. MAX. TO CONTROL POINT OF UNIT.
10 28 00.12	MIRROR, FRAMED 36"W x 48"H. INSTALL 40" AFF MAX. TO BOTTOM OF REFLECTIVE SURFACE.
10 28 00.16	PAPER TOWEL (FOLDED) DISPENSER, SEMI RECESSED. INSTALL WITH CONTROL POINT OR OPERATING MECHANISM AT 40" AFF. MAX.
10 28 00.20	SANITARY-NAPKIN DISPENSER.
10 28 00.21	SANITARY-NAPKIN DISPOSAL UNIT, SURFACE MOUNTED. INSTALL TOP OF DISPOSAL 20" A.F.F. MAX.
10 28 00.22	SURFACE MOUNTED SEAT-COVER DISPENSER.
10 28 00.26	MANUAL SOAP DISPENSER, COUNTERTOP MOUNTED.
10 28 00.29	MANUAL SOAP DISPENSER, WALL MOUNTED.
10 28 00.47	PROVIDE PIPE SAFETY COVER BELOW SINK
22 06 10.13	REFER TO PLUMBING PUMP SCHEDULE
22 42 13.13	WALL MOUNTED WATER CLOSET. REF PLUMBING DWGS



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ.MM  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025  
TITLE

ENLARGED  
PLANS AND  
ELEVATIONS

PROJECT NO. 50184767

A-401

SHEET NO.



10/29/2025 2:32:24 PM

A

B

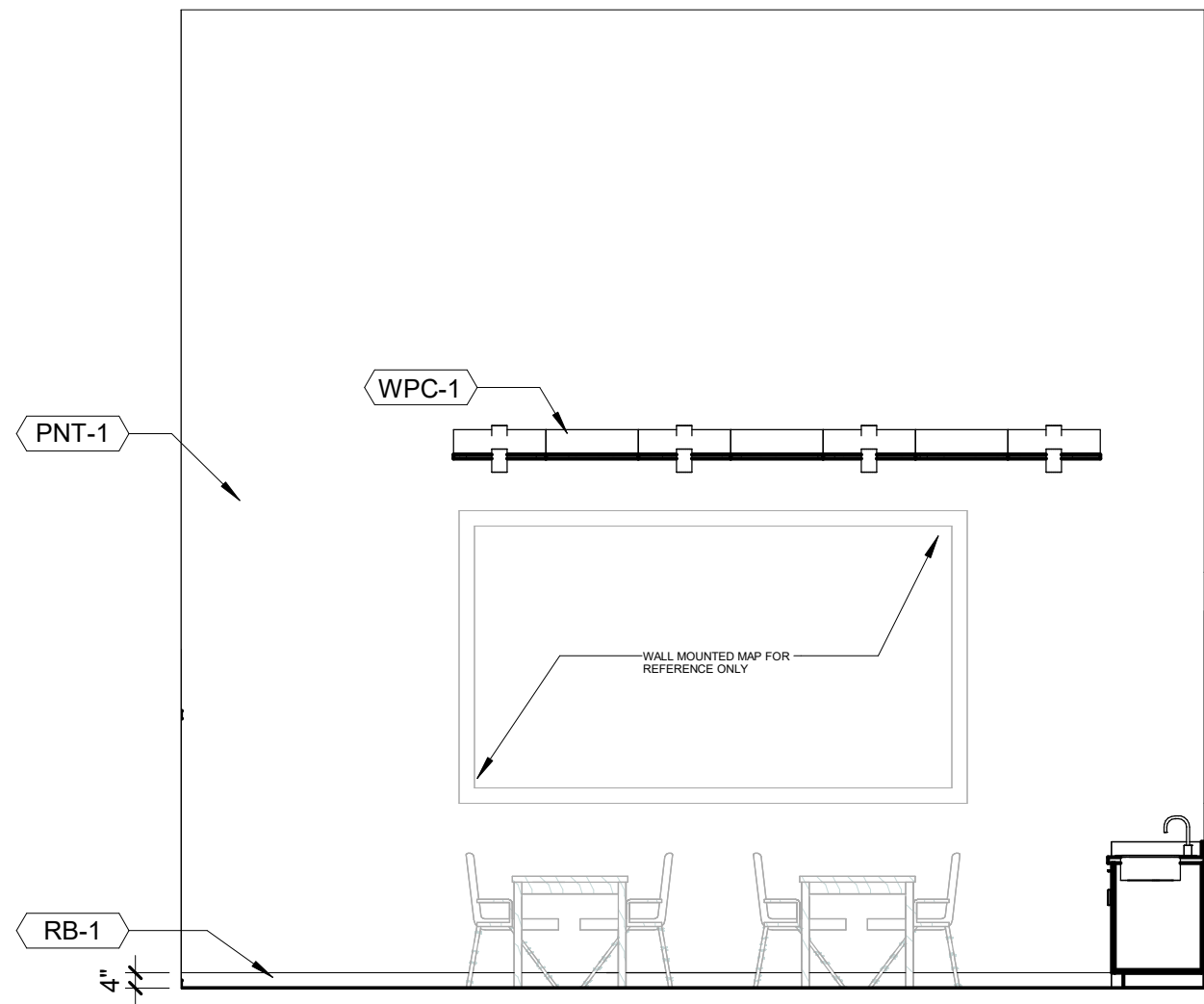
C

D

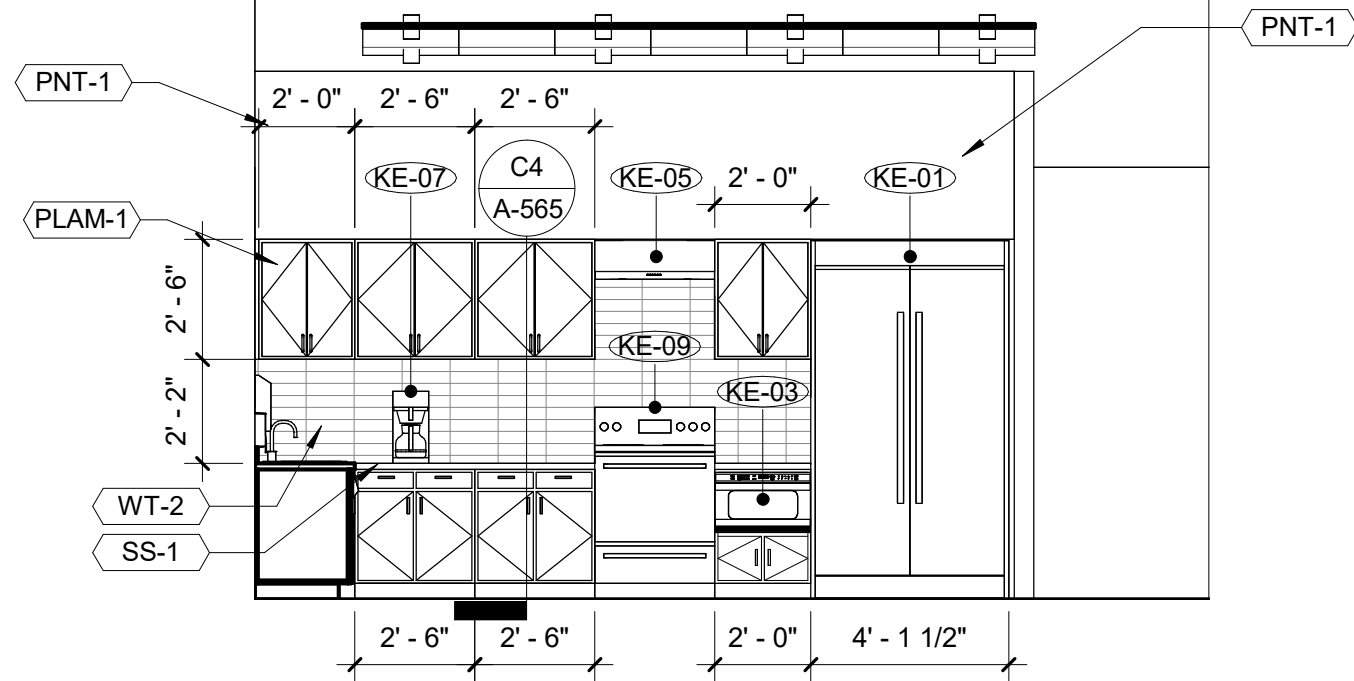
E

F

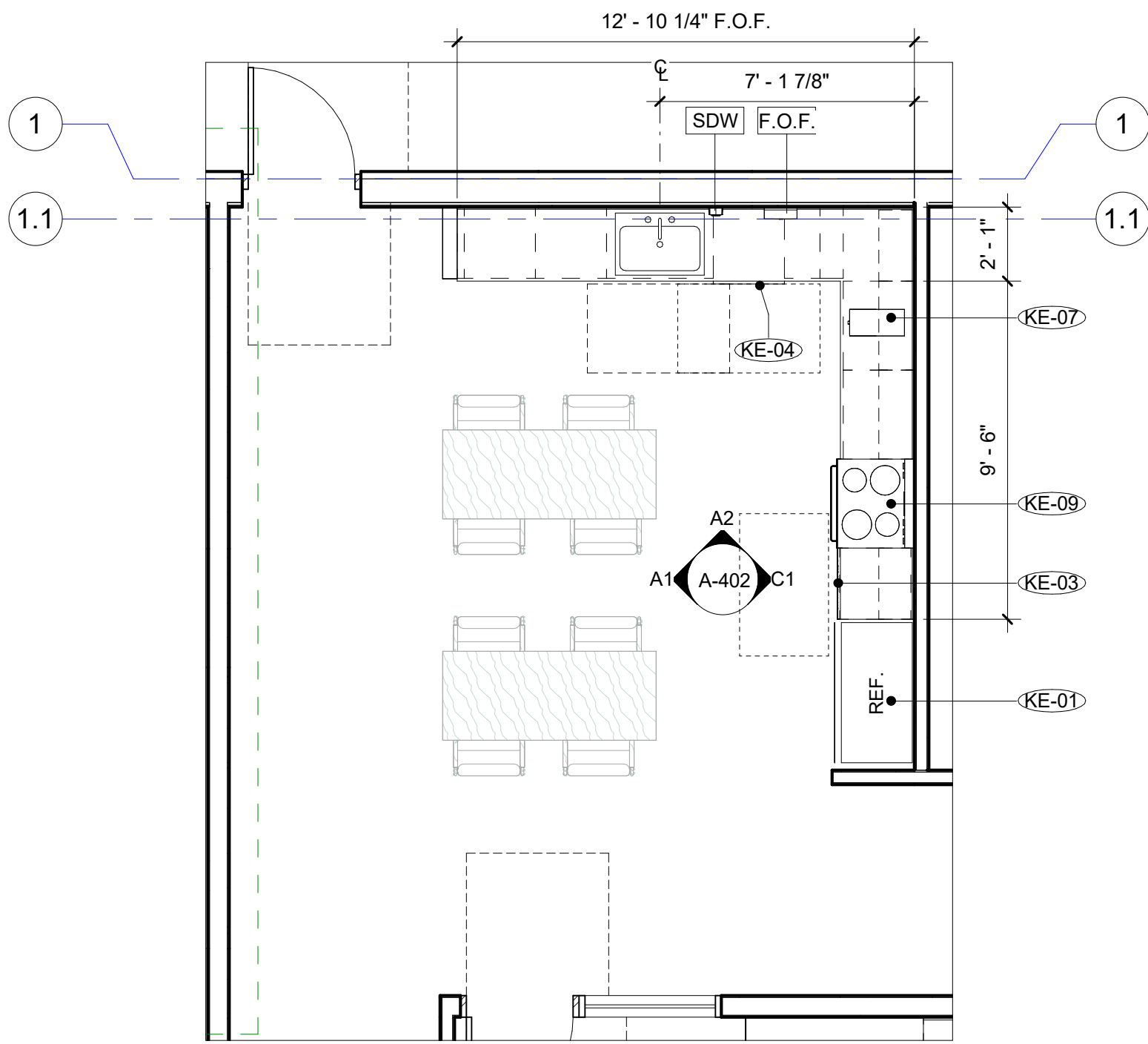
**A1 BREAKROOM 117 - WEST EL**  
Scale: 1/4" = 1'-0"



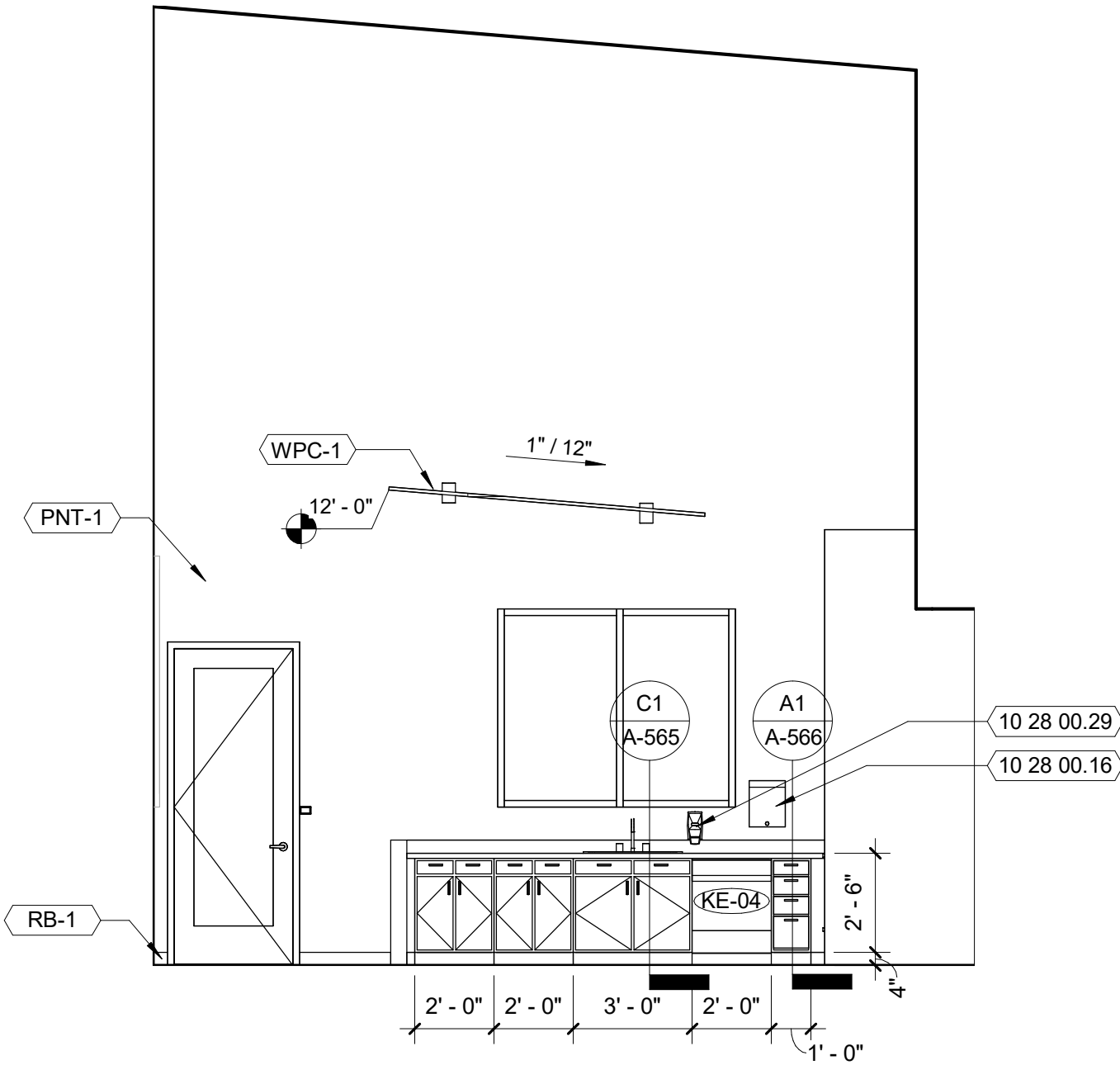
**C1 BREAKROOM 117 - EAST EL**  
Scale: 1/4" = 1'-0"



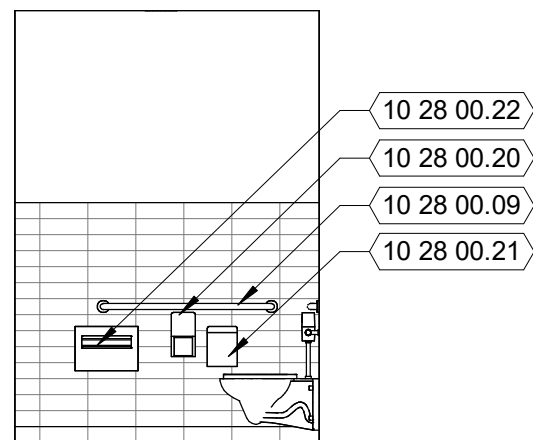
**E1 ENLARGED PLAN - BREAKROOM 117**  
Scale: 1/4" = 1'-0"



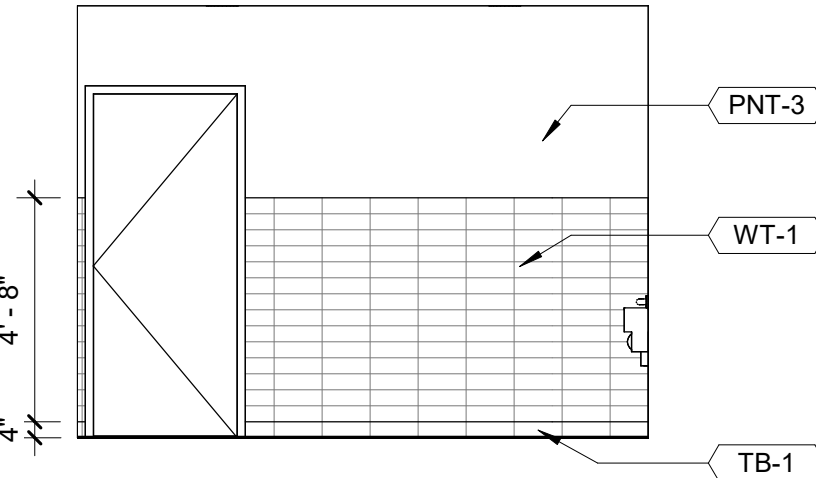
**A2 BREAKROOM 117 - NORTH EL**  
Scale: 1/4" = 1'-0"



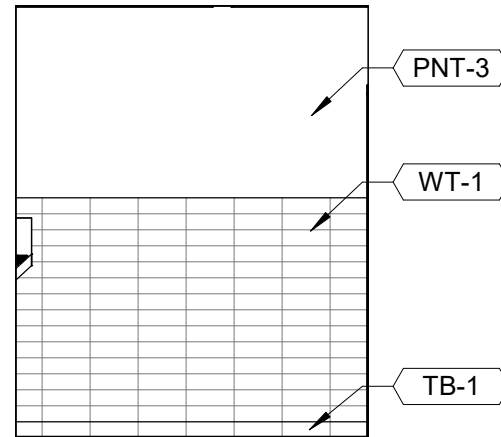
**A3 RR 127 - WEST ELEVATION**  
Scale: 1/4" = 1'-0"



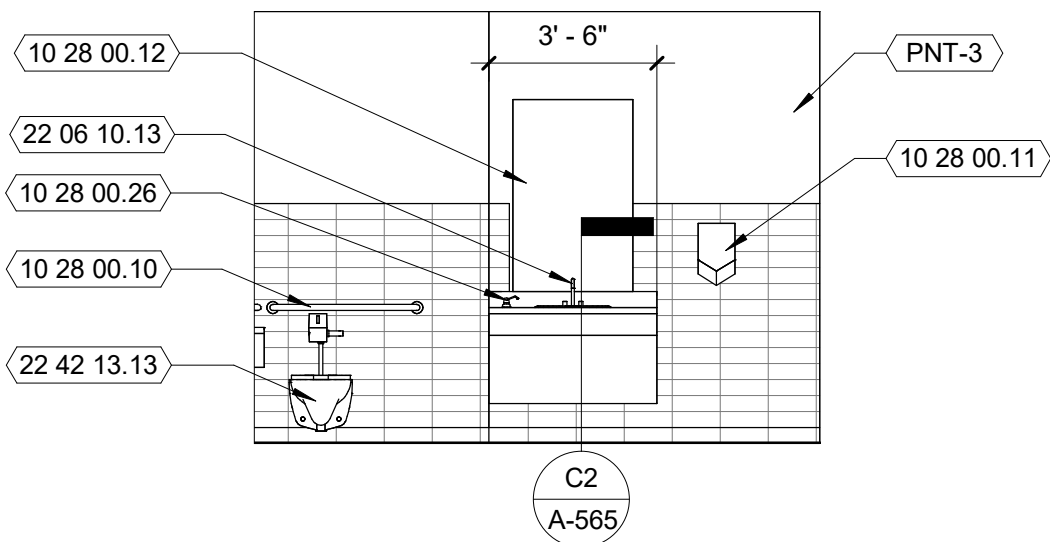
**B2 RR 127 - SOUTH ELEVATION**  
Scale: 1/4" = 1'-0"



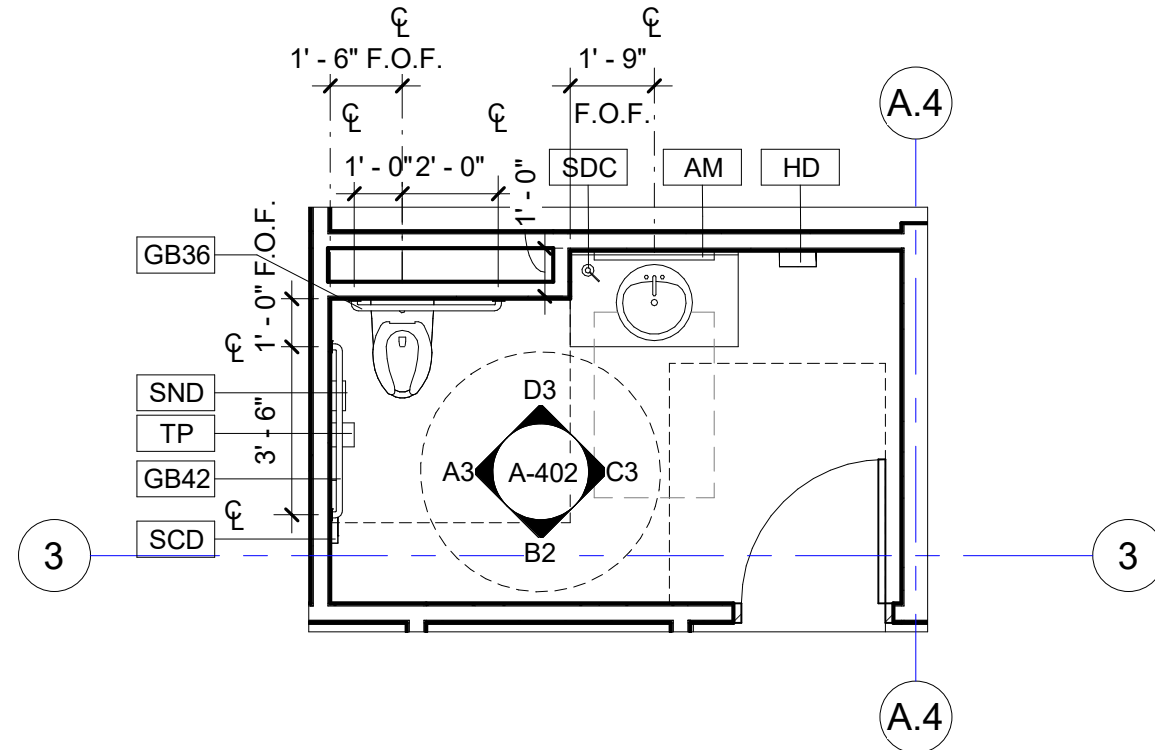
**C3 RR 127 - EAST ELEVATION**  
Scale: 1/4" = 1'-0"



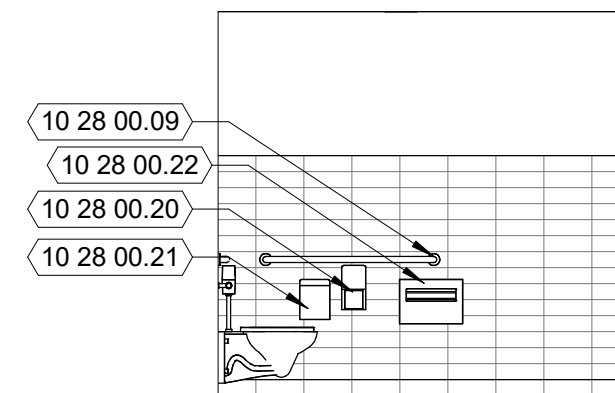
**D3 RR 127 - NORTH ELEVATION**  
Scale: 1/4" = 1'-0"



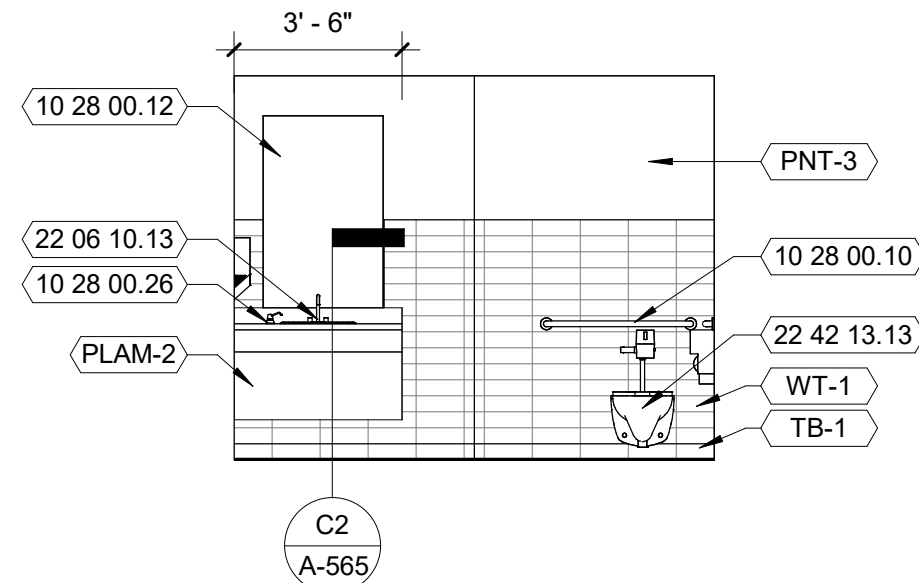
**E3 ENLARGED PLAN - MENS RESTROOM 127**  
Scale: 1/4" = 1'-0"



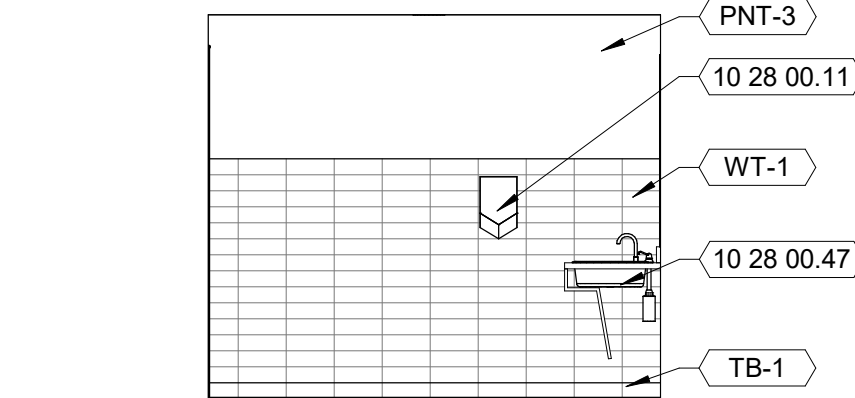
**A4 RR 128 - WEST ELEVATION**  
Scale: 1/4" = 1'-0"



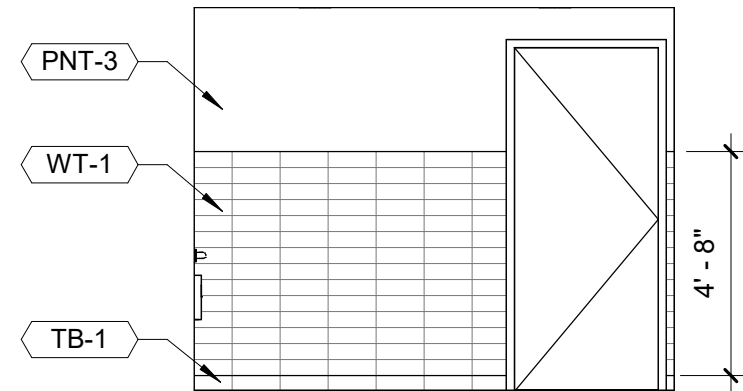
**B3 RR 128 - SOUTH ELEVATION**  
Scale: 1/4" = 1'-0"



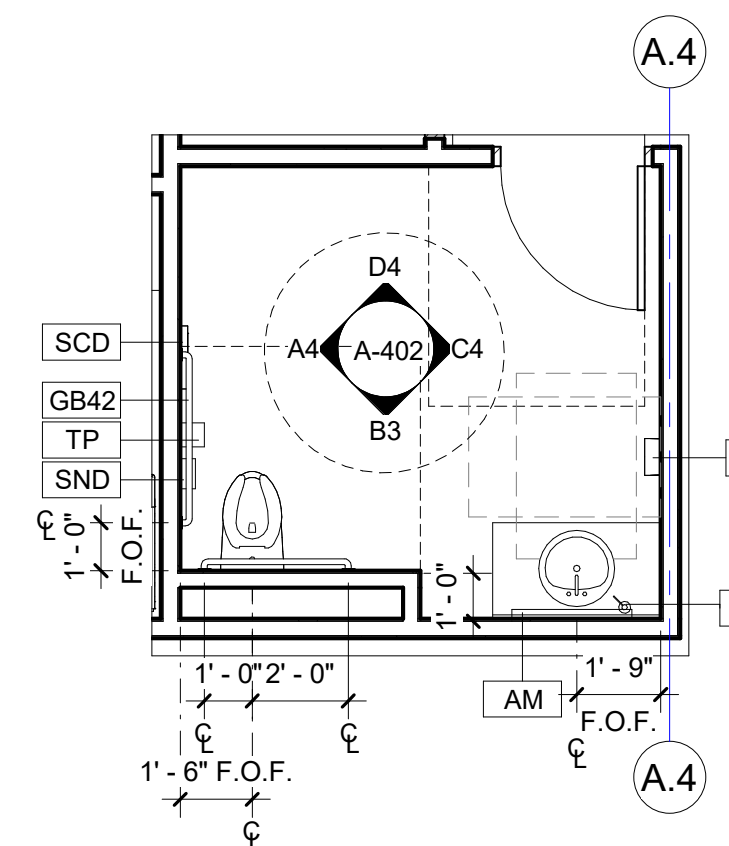
**C4 RR 128 - EAST ELEVATION**  
Scale: 1/4" = 1'-0"



**D4 RR 128 - NORTH ELEVATION**  
Scale: 1/4" = 1'-0"



**E4 ENLARGED PLAN - WOMENS RESTROOM 128**  
Scale: 1/4" = 1'-0"



PROJECT NO. 50184767

TITLE

DRAWN BY JQ.MM  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

NO. DESCRIPTION DATE

REVISIONS

SCALE

KEY PLAN

SEAL



CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

#### ENLARGED DRAWINGS GENERAL NOTES

1. REFER TO SHEET G-400 FOR TOILET ACCESSORY DESIGNATIONS AND MOUNTING HEIGHTS
2. REFER TO SEE SHEET A-115 FOR FINISH MATERIAL DESIGNATIONS AND DETAILS
3. REFER TO SHEET A-565 FOR GENERAL CASEWORK NOTES
4. REFER TO SHEET A-620 FOR EQUIPMENT DESIGNATIONS AND SCHEDULES
5. SLOPE FINISH FLOOR TO DRAIN 1/8 in./ft. MIN. TO 1/4in./ft. MAX.

#### KITCHEN ACCESSORIES LEGEND

PTD	PAPER TOWEL DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
MR	MOP RACK

#### TOILET ACCESSORIES LEGEND

AM	ACCESS MIRROR
FM	FULL LENGTH ACCESSIBLE MIRROR
CSR	ACCESSIBLE CLOSET SHELF & ROD
CH	COAT HOOK
DCT	DIAPER CHANGING TABLE
FS	FOLDING SEAT
GB	GRAB BAR
HD	HAND DRYER
MR	MOP RACK
PTD	PAPER TOWEL DISPENSER
PTDR	FULL HT PAPER TOWEL DISPENSER
PTRD	PAPER TOWEL ROLL DISPENSER
RH	ROBE HOOK
SCD	SEAT COVER DISPENSER
SC	SHOWER CONTROL, FAUCET AND SPRAY
SDC	COUNTERTOP MOUNTED SOAP DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TP	TOILET PAPER DISPENSER
BN	ADA BENCH

#### ENLARGED PLAN SYMBOL LEGEND

XX	TOILET / KITCHEN ACCESSORY TAGS
00 00 00.00	KEYNOTE TAGS
XX-X	FINISH TAGS
XX-X	EQUIPMENT TAGS, REFER TO EQUIPMENT SCHEDULE, SHEET A-701

#### KEYNOTES PER SHEET

NOTE	DESCRIPTION
10 28 00.09	GRAB BAR 1 1/2" O.D. x 42"L MOUNT 33" - 36" ABOVE THE FINISHED FLOOR.
10 28 00.10	GRAB BAR 1 1/2" O.D. x 36"L MOUNT 33" - 36" ABOVE THE FINISHED FLOOR.
10 28 00.11	HAND DRYER, INSTALL 40" AFF. MAX. TO CONTROL POINT OF UNIT.
10 28 00.12	MIRROR, FRAMED 36"W x 48"H. INSTALL 40" AFF MAX. TO BOTTOM OF REFLECTIVE SURFACE
10 28 00.16	PAPER TOWEL (FOLDED) DISPENSER, SEMI RECESSED. INSTALL WITH CONTROL POINT OR OPERATING MECHANISM AT 40" AFF. MAX.
10 28 00.20	SANITARY-NAPKIN DISPENSER.
10 28 00.21	SANITARY-NAPKIN DISPOSAL UNIT, SURFACE MOUNTED. INSTALL TOP OF DISPOSAL 20" A.F.F. MAX.
10 28 00.22	SURFACE MOUNTED SEAT-COVER DISPENSER.
10 28 00.26	MANUAL SOAP DISPENSER, COUNTERTOP MOUNTED.
10 28 00.29	MANUAL SOAP DISPENSER, WALL MOUNTED.
10 28 00.47	PROVIDE PIPE SAFETY COVER BELOW SINK
22 06 10.13	REFER TO PLUMBING PUMP SCHEDULE
22 42 13.13	WALL MOUNTED WATER CLOSET. REF PLUMBING DWGS

A-402

SHEET NO.



10/29/2025 2:11:04 PM

A

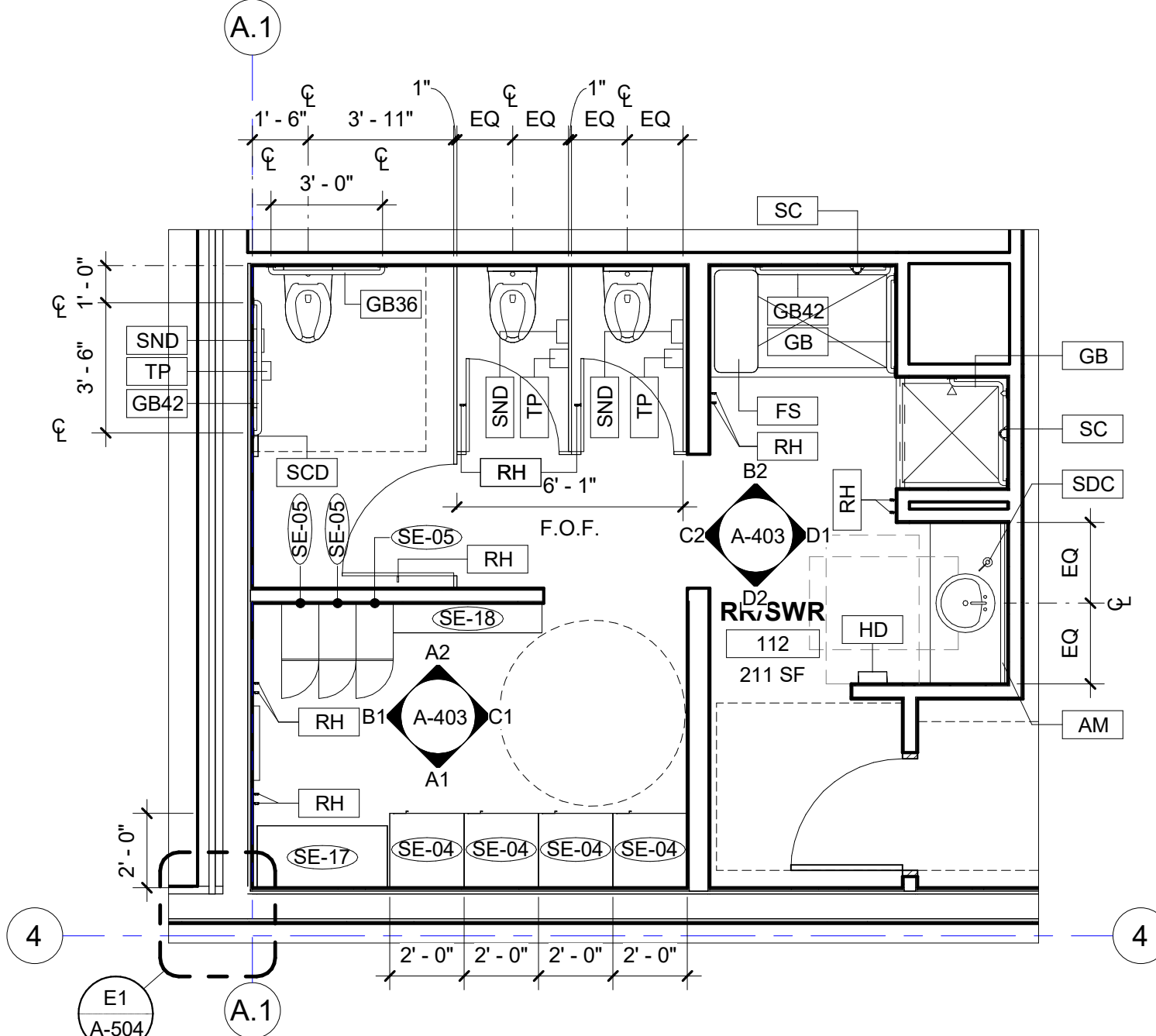
B

C

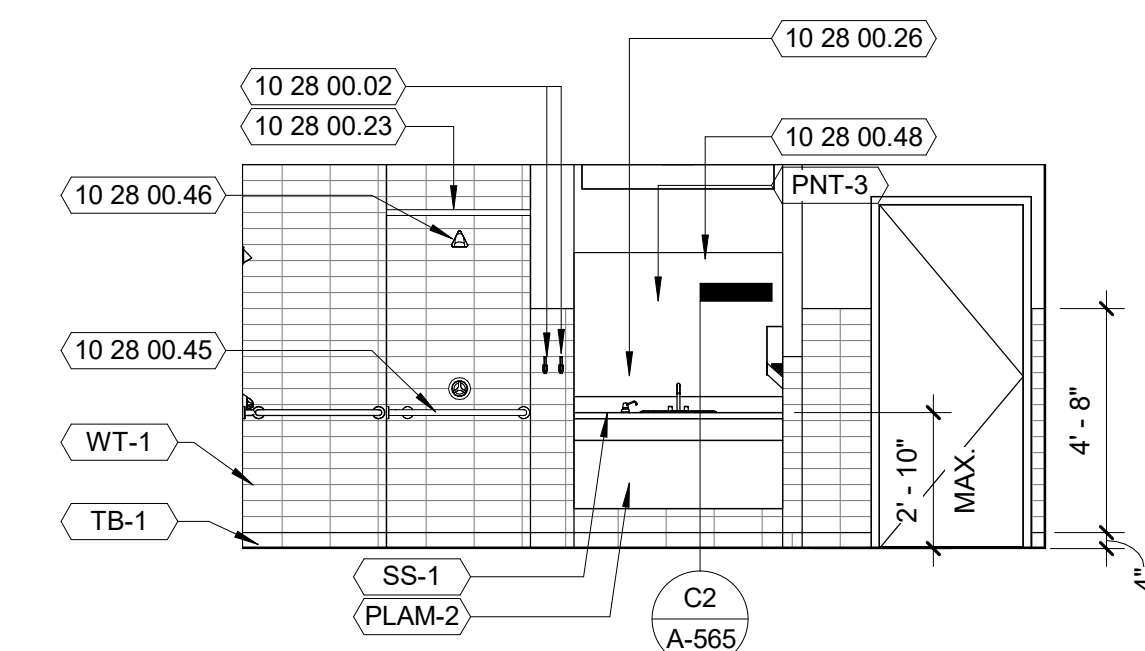
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E

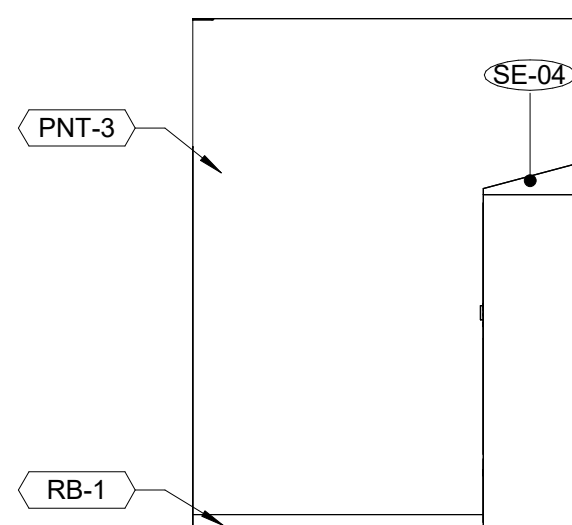
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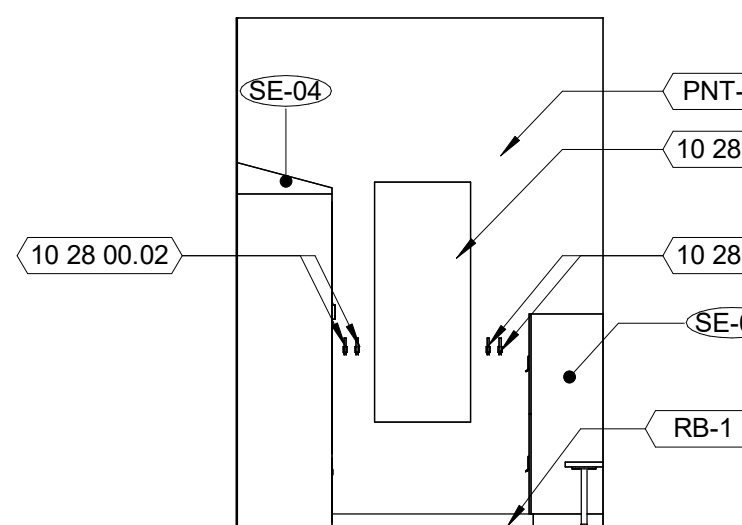
**E1 ENLARGED PLAN - WOMENS LR 112**  
Scale: 1/4" = 1'-0"



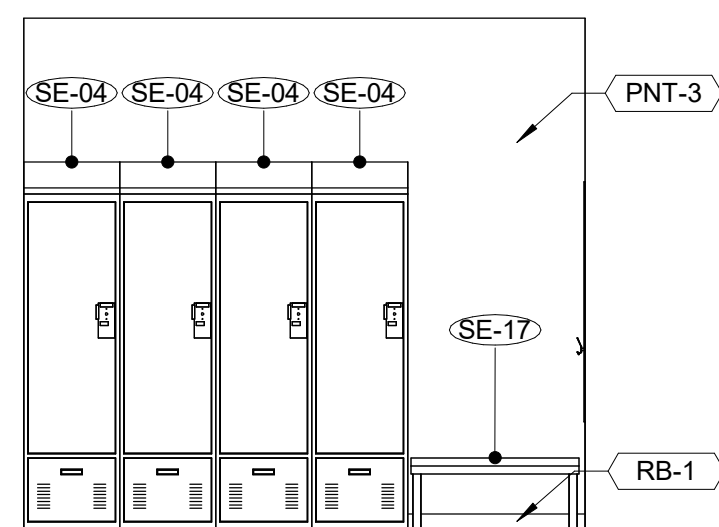
**D1 RR 112 - EAST ELEVATION**  
Scale: 1/4" = 1'-0"



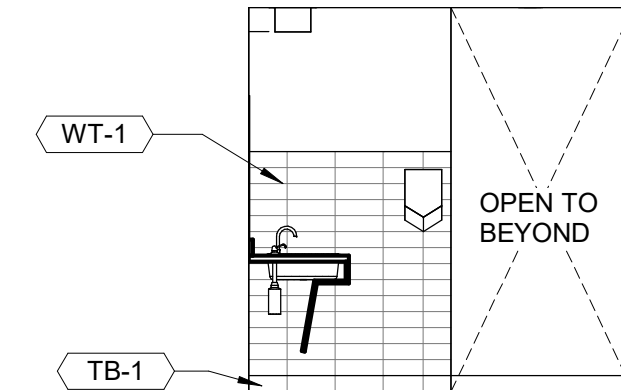
**C1 WOMENS LOCKER 112 A - EAST EL**  
Scale: 1/4" = 1'-0"



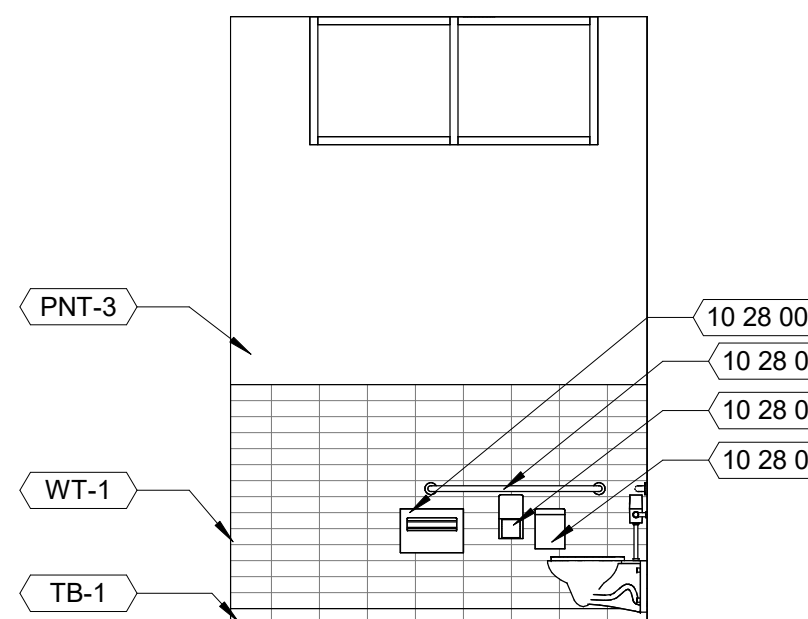
**B1 WOMENS LOCKER 112A - WEST EL**  
Scale: 1/4" = 1'-0"



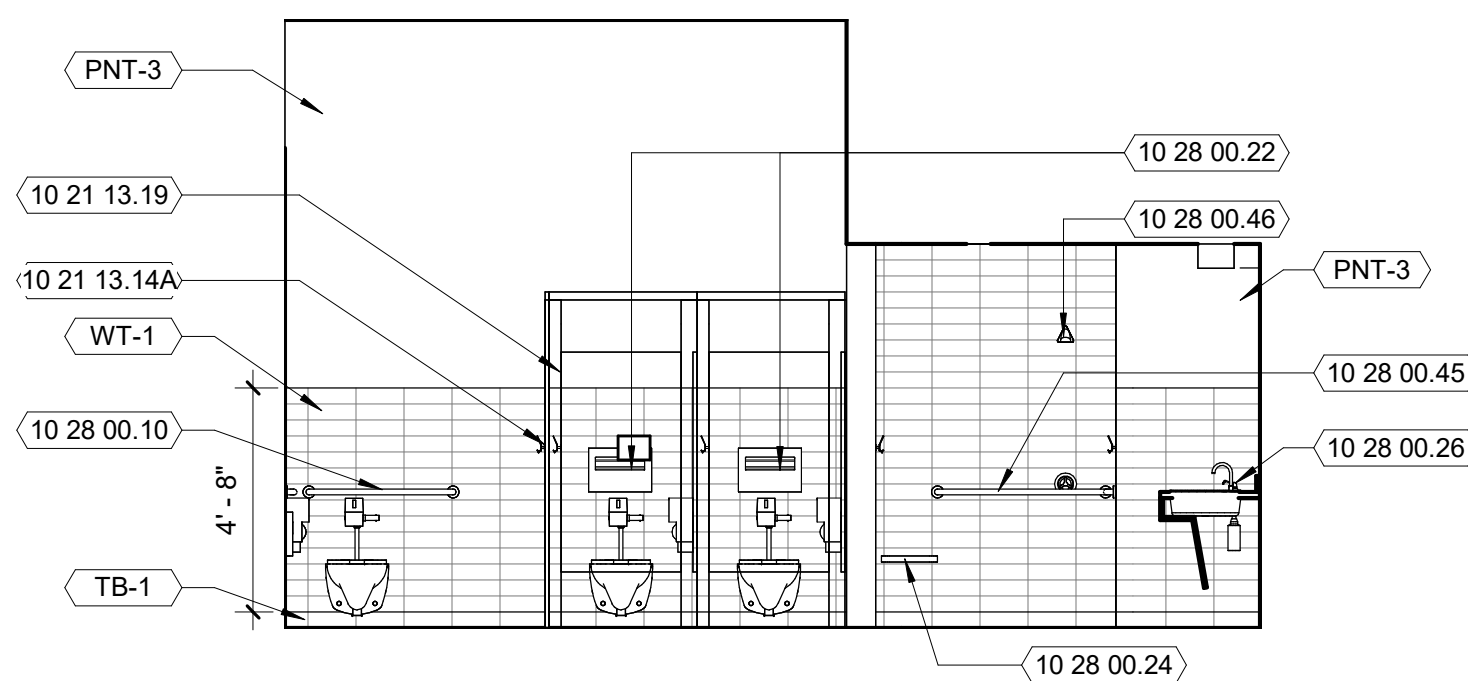
**A1 WOMENS LOCKER 112A - SOUTH EL**  
Scale: 1/4" = 1'-0"



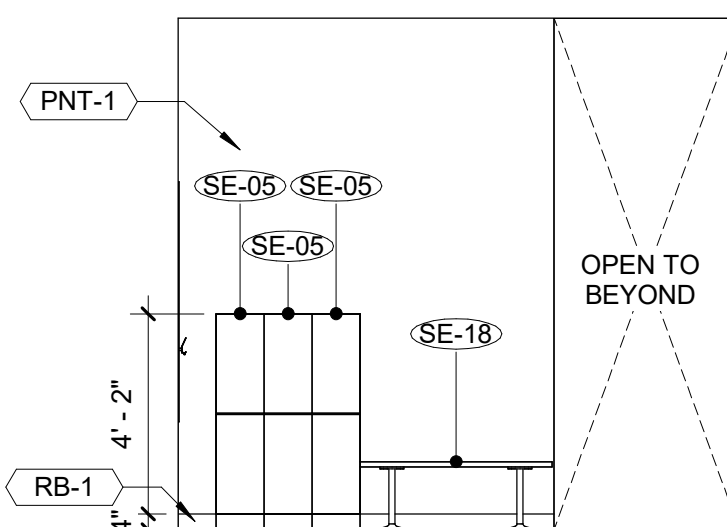
**D2 RR 112 - SOUTH ELEVATION**  
Scale: 1/4" = 1'-0"



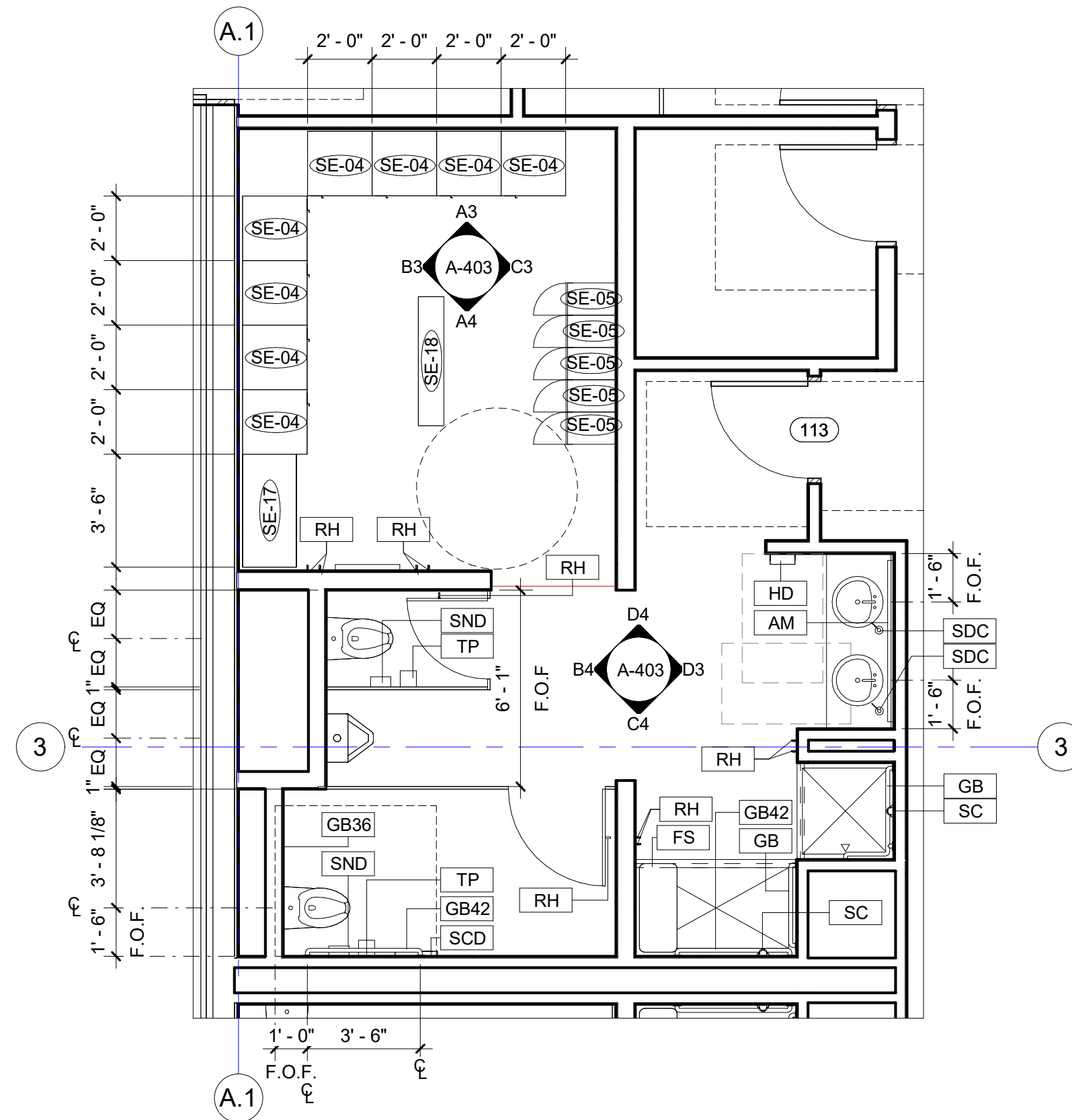
**C2 RR 112 - WEST ELEVATION**  
Scale: 1/4" = 1'-0"



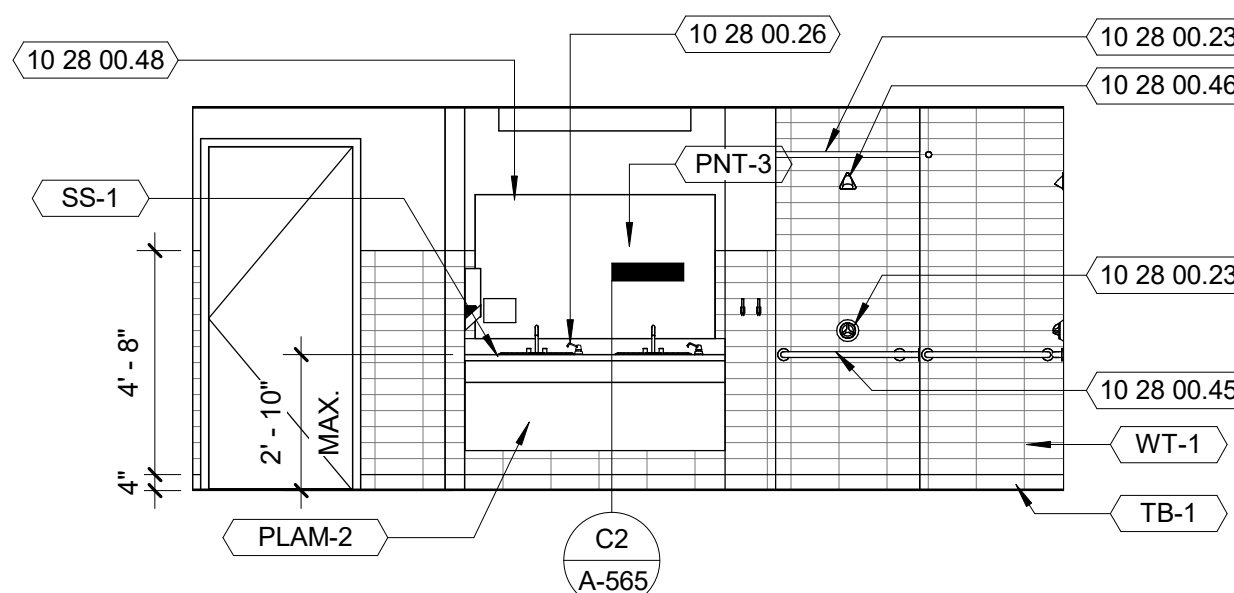
**B2 RR 112 - NORTH ELEVATION**  
Scale: 1/4" = 1'-0"



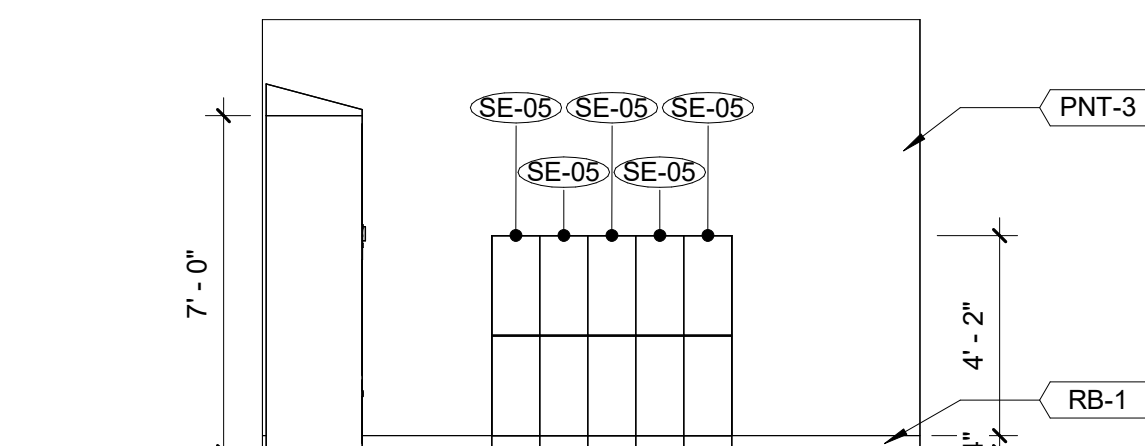
**A2 WOMENS LOCKER 112 - NORTH EL**  
Scale: 1/4" = 1'-0"



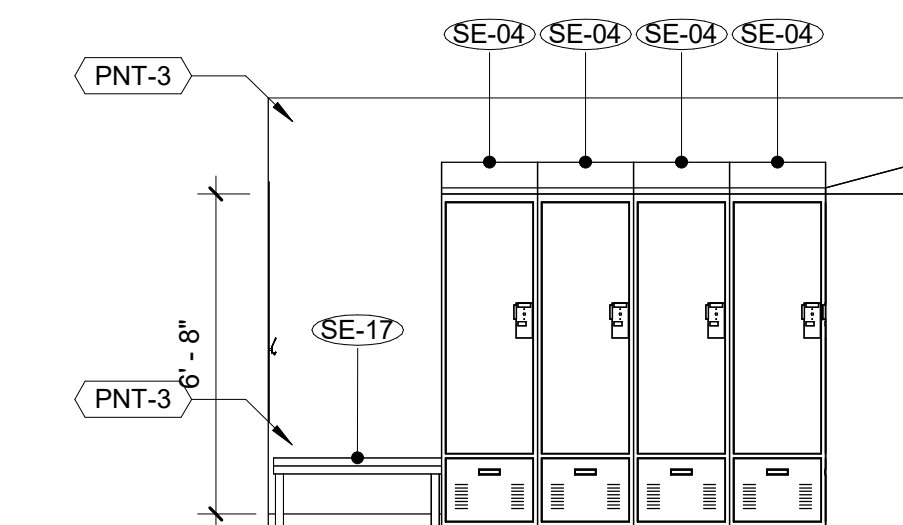
**E3 ENLARGED PLAN - MENS LR 113**  
Scale: 1/4" = 1'-0"



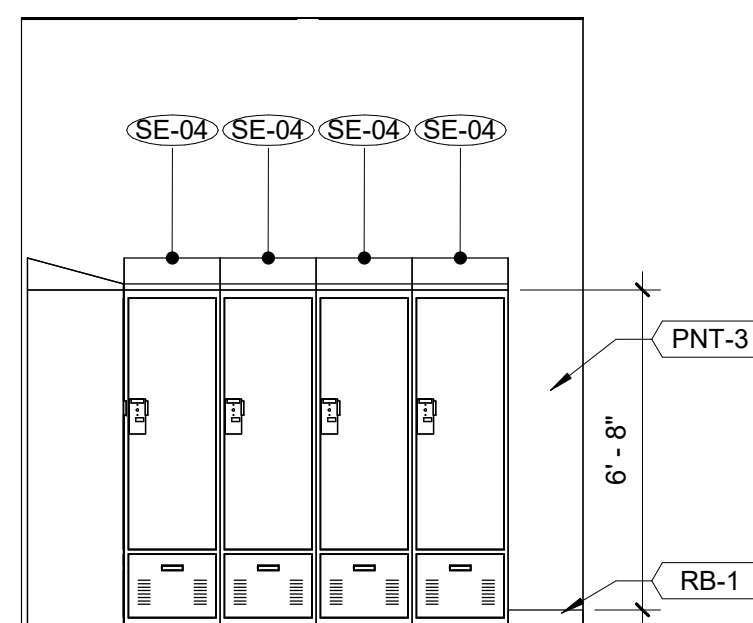
**D3 RR 113 EAST ELEVATION**  
Scale: 1/4" = 1'-0"



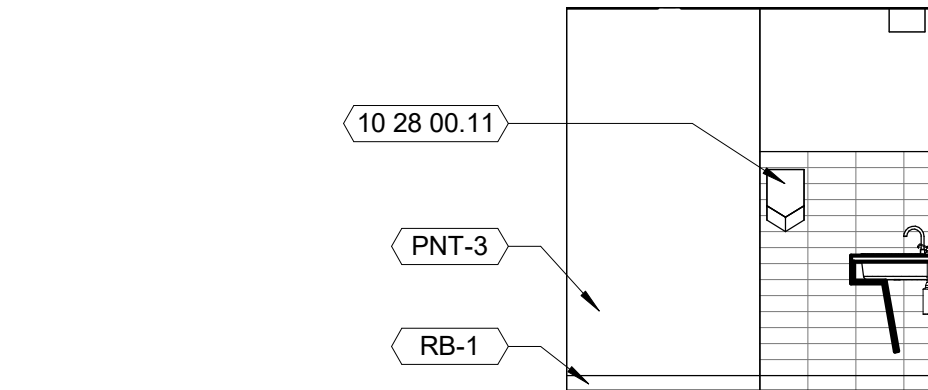
**C3 MENS LOCKER 113A - EAST EL**  
Scale: 1/4" = 1'-0"



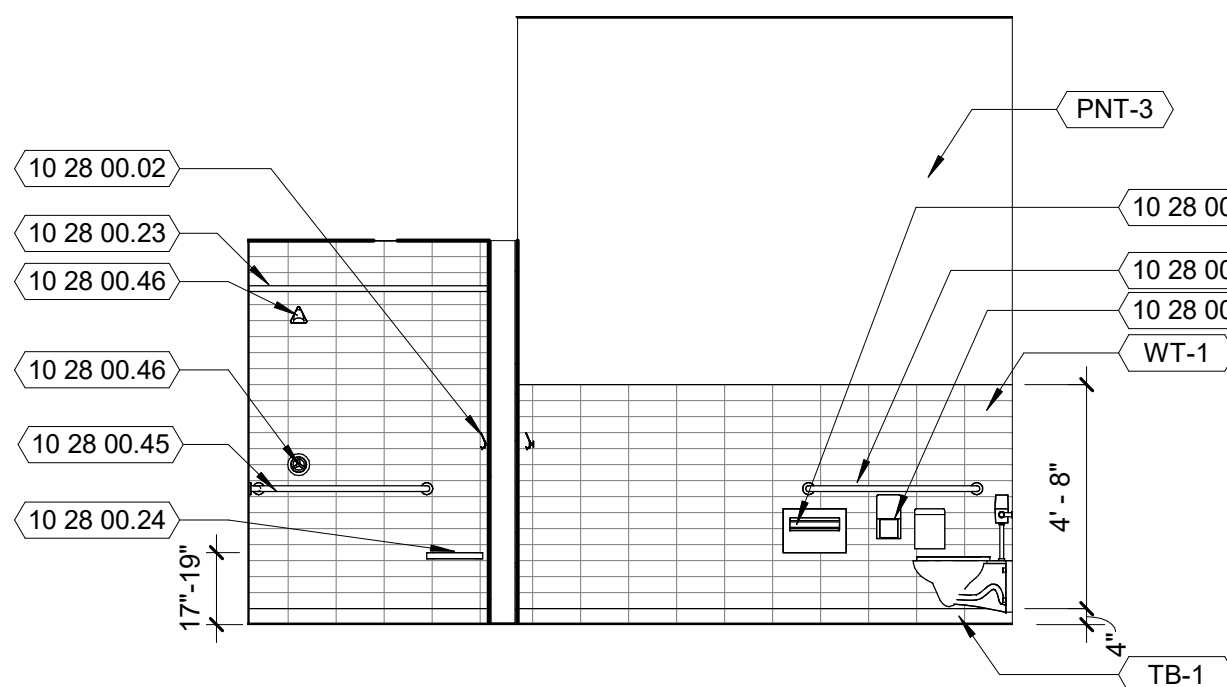
**B3 MENS LOCKER 113 A- WEST EL**  
Scale: 1/4" = 1'-0"



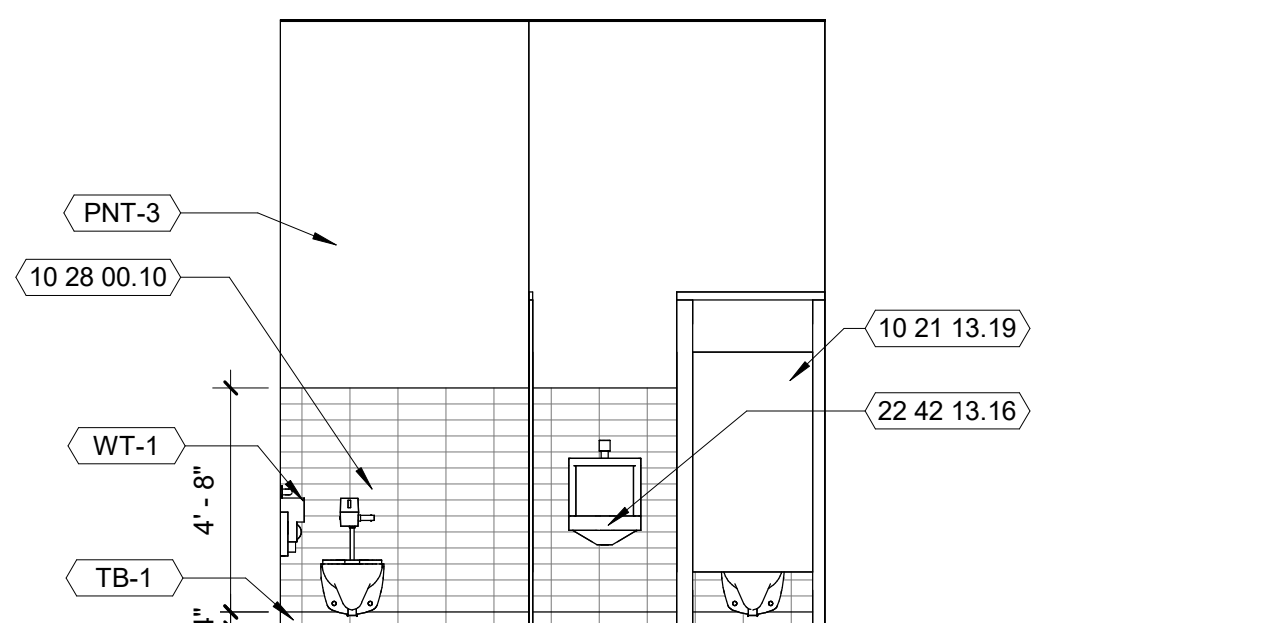
**A3 MENS LOCKER 113A - NORTH EL**  
Scale: 1/4" = 1'-0"



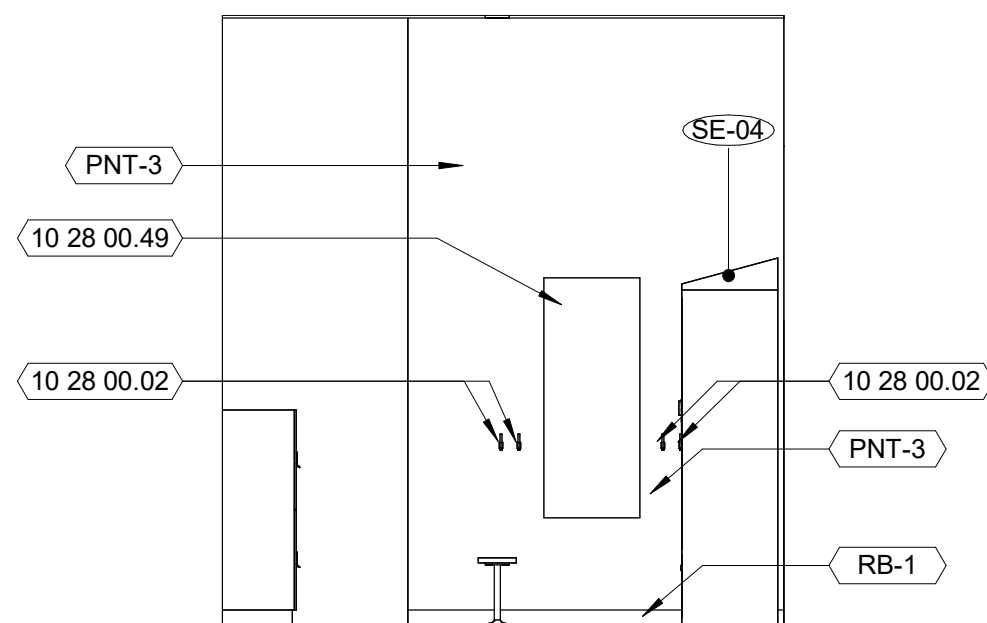
**D4 RR 113- SOUTH ELEVATION**  
Scale: 1/4" = 1'-0"



**C4 RR 113 - SOUTH ELEVATION**  
Scale: 1/4" = 1'-0"



**B4 RR 113 - WEST ELEVATION**  
Scale: 1/4" = 1'-0"



**A4 MENS LOCKER 113 - SOUTH EL**  
Scale: 1/4" = 1'-0"

- ENLARGED DRAWINGS GENERAL NOTES**
1. REFER TO SHEET G-400 FOR TOILET ACCESSORY DESIGNATIONS AND MOUNTING HEIGHTS
  2. REFER TO SEE SHEET A-115 FOR FINISH MATERIAL DESIGNATIONS AND DETAILS
  3. REFER TO SHEET A-565 FOR GENERAL CASEWORK NOTES
  4. REFER TO SHEET A-620 FOR EQUIPMENT DESIGNATIONS AND SCHEDULES
  5. SLOPE FINISH FLOOR TO DRAIN 1/8 in./ ft. MIN. TO 1/4in./ft. MAX.

**TOILET ACCESSORIES LEGEND**

AM	ACCESS MIRROR
FM	FULL LENGTH ACCESSIBLE MIRROR
CSR	ACCESSIBLE CLOSET SHELF & ROD
CH	COAT HOOK
DCT	DIAPER CHANGING TABLE
FS	FOLDING SEAT
GB	GRAB BAR
HD	HAND DRYER
MR	MOP RACK
PTD	PAPER TOWEL DISPENSER
PTDR	FULL HT PAPER TOWEL DISPENSER
PTDR	PAPER TOWEL ROLL DISPENSER
RH	ROBE HOOK
SCD	SEAT COVER DISPENSER
SC	SHOWER CONTROL, FAUCET AND SPRAY
SDC	COUNTERTOP MOUNTED SOAP DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TP	TOILET PAPER DISPENSER
BN	ADA BENCH

**ENLARGED PLAN SYMBOL LEGEND**

XX	TOILET / KITCHEN ACCESSORY TAGS
00 00 00.00	KEYNOTE TAGS
XX-X	FINISH TAGS
XX-X	EQUIPMENT TAGS, REFER TO EQUIPMENT SCHEDULE, SHEET A-701

**KEYNOTES PER SHEET**

NOTE	DESCRIPTION
10 21 13.14A	TOILET COMPARTMENT, STAINLESS STEEL, FLOOR SUPPORTED, OVERHEAD BRACED.
10 21 13.19	PLASTIC TOILET COMPARTMENTS, STAINLESS STEEL, FLOOR MOUNTED
10 28 00.02	CLOTHES HOOK, WALL MOUNTED. INSTALL TOP OF HOOK 60" A.F.F. TYP. AT ADA LOCATIONS INSTALL TOP OF HOOK 48" A.F.F.
10 28 00.09	GRAB BAR 1 1/2" O.D. x 42"L MOUNT 33" - 36" ABOVE THE FINISHED FLOOR.
10 28 00.10	GRAB BAR 1 1/2" O.D. x 36"L MOUNT 33" - 36" ABOVE THE FINISHED FLOOR.
10 28 00.11	HAND DRYER, INSTALL 40" AFF. MAX. TO CONTROL POINT OF UNIT.
10 28 00.20	SANITARY-NAPKIN DISPENSER
10 28 00.21	SANITARY-NAPKIN DISPOSAL UNIT, SURFACE MOUNTED. INSTALL TOP OF DISPOSAL 20" A.F.F. MAX.
10 28 00.22	SURFACE MOUNTED SEAT-COVER DISPENSER.
10 28 00.23	SHOWER CURTAIN AND ROD.
10 28 00.24	RECTANGULAR FOLDING SHOWER SEAT (ADA), TOP OF SEAT TO BE AT 19" A.F.F. MAX.
10 28 00.26	MANUAL SOAP DISPENSER, COUNTERTOP MOUNTED.
10 28 00.45	SHOWER GRAB BAR, MOUNT 33"-36" AFF.
10 28 00.46	SHOWER HEAD AND CONTROL COMBI UNIT. REF: PLUMBING DWGS
10 28 00.48	MIRROR, FRAMED 60"W x 36"H. INSTALL 38" AFF. TO BOTTOM OF REFLECTIVE SURFACE.
10 28 00.49	MIRROR, FRAMED 24"W x 60"H. INSTALL 27" AFF. TO BOTTOM OF REFLECTIVE SURFACE.
22 42 13.16	WALL MOUNTED URINALS. REF: PLUMBING DWGS

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ.MM  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

**ENLARGED PLANS AND ELEVATIONS**

PROJECT NO. 50184767

**A-403**

SHEET NO.

CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244



10/29/2025 2:11:05 PM

A

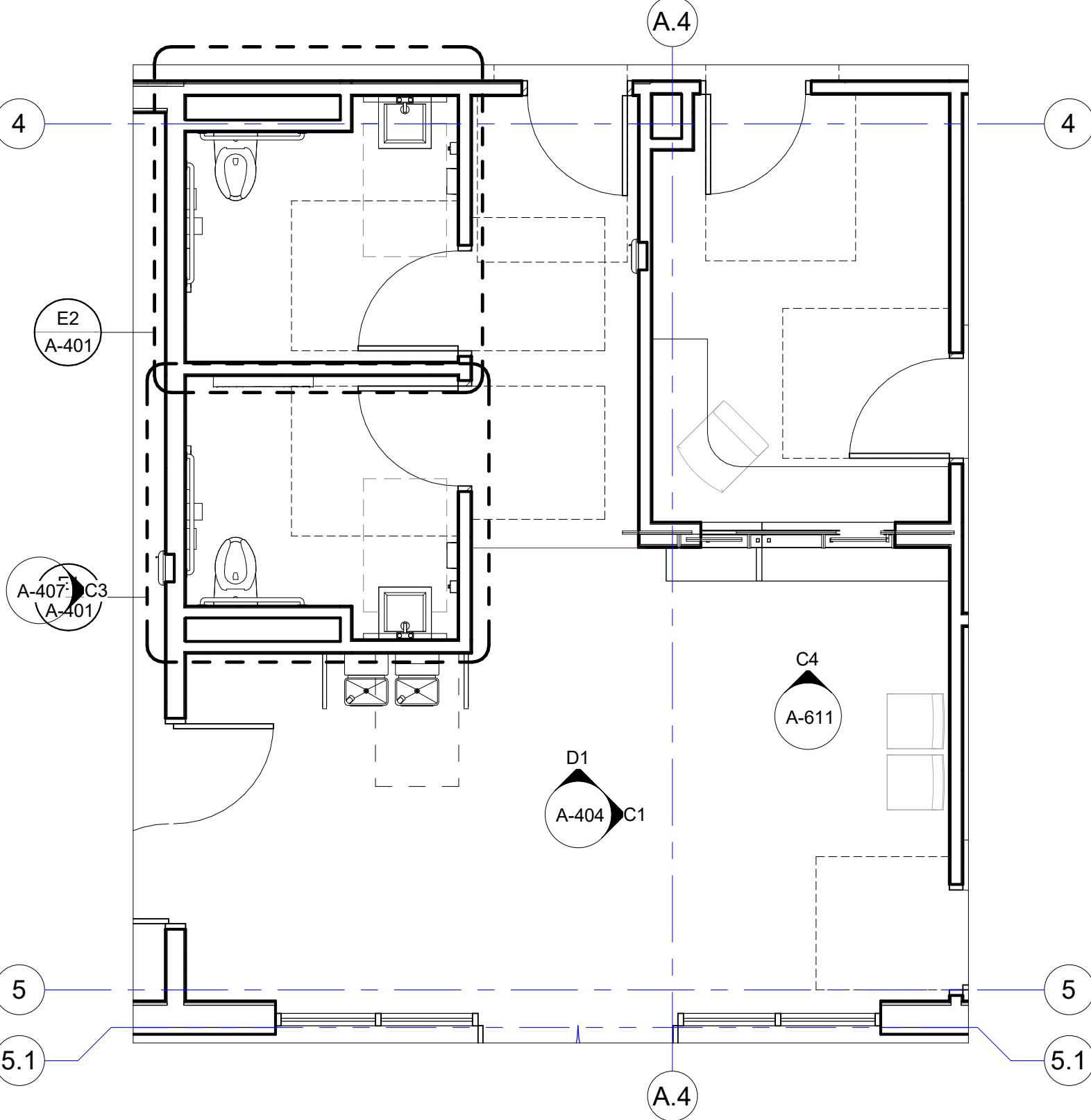
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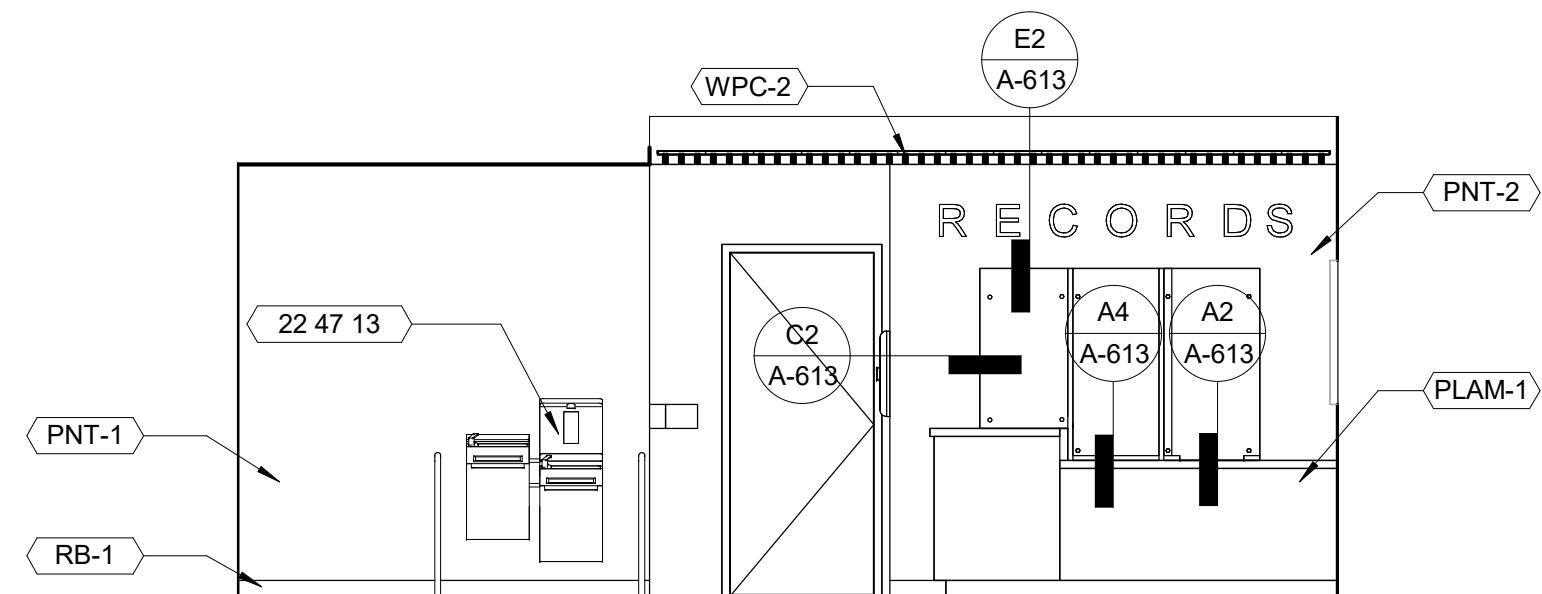
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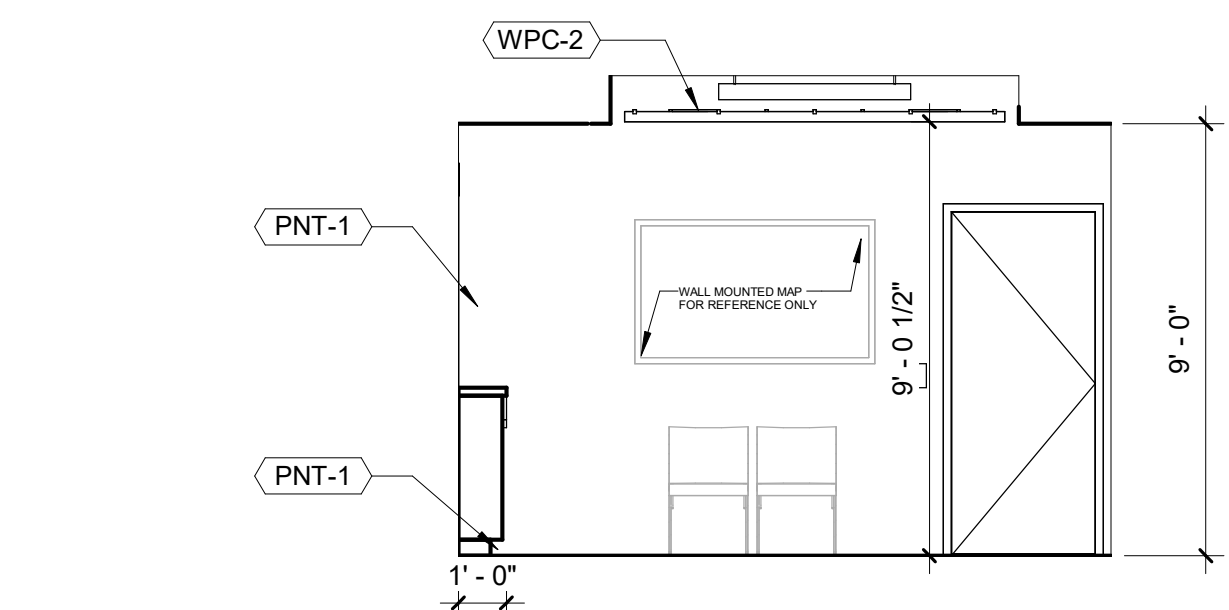
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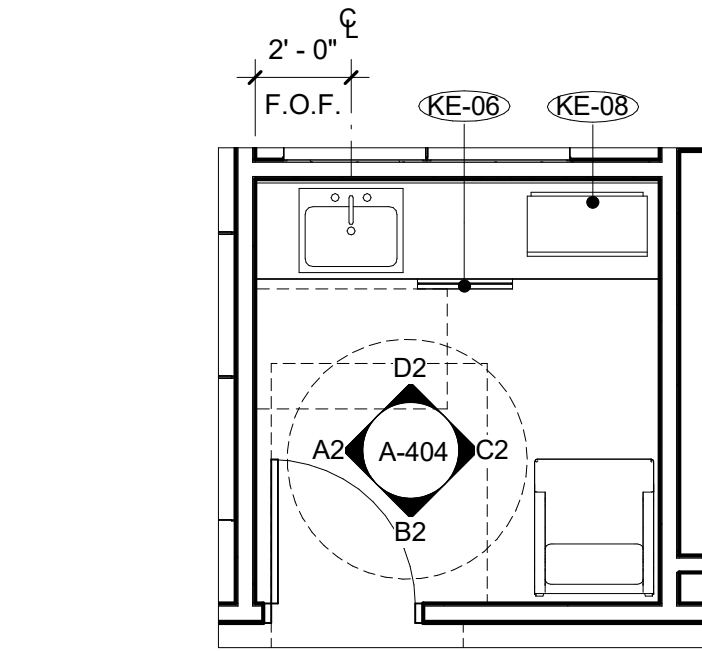
**E1** ENLARGED PLAN - LOBBY 100  
Scale: 1/4" = 1'-0"



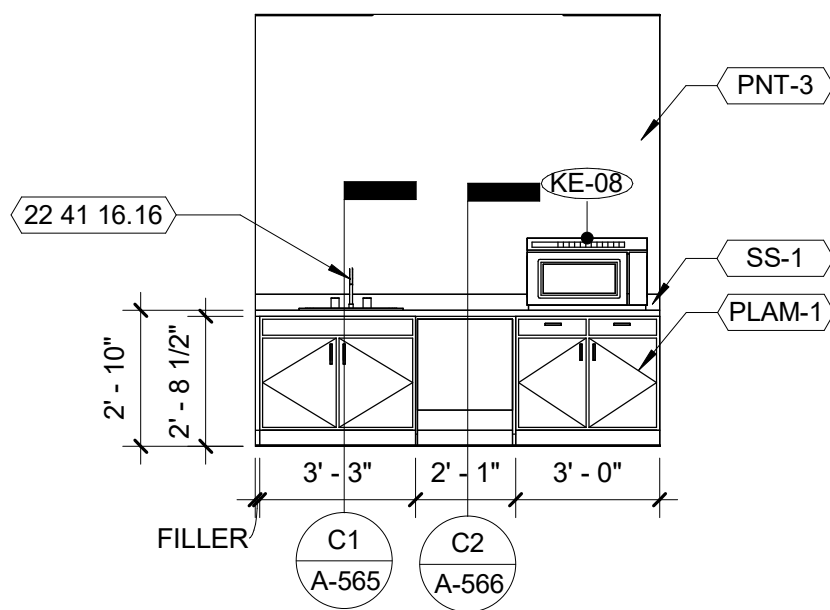
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Scale: 1/4" = 1'-0"



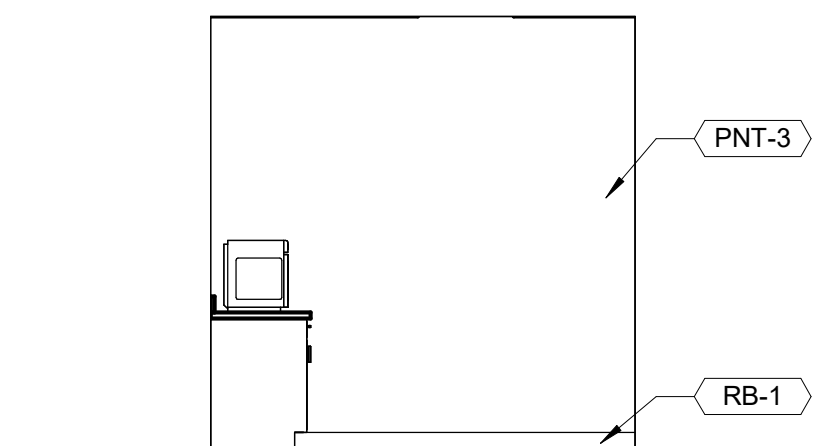
**C1** LOBBY 100 - EAST EL  
Scale: 1/4" = 1'-0"



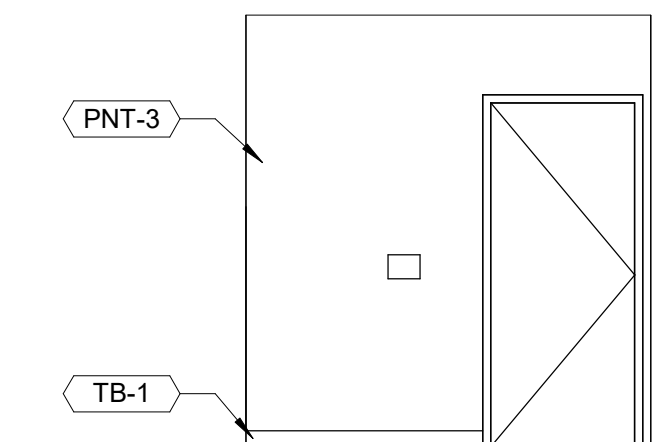
**E2** ENLARGED PLAN - WELLNESS 132  
Scale: 1/4" = 1'-0"



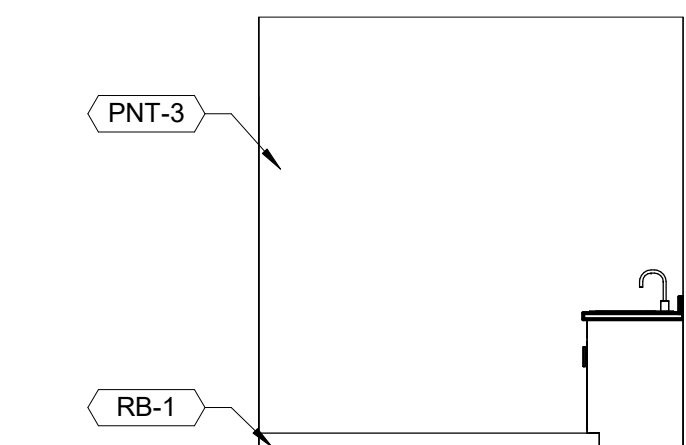
**D2** WELLNESS 132 - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



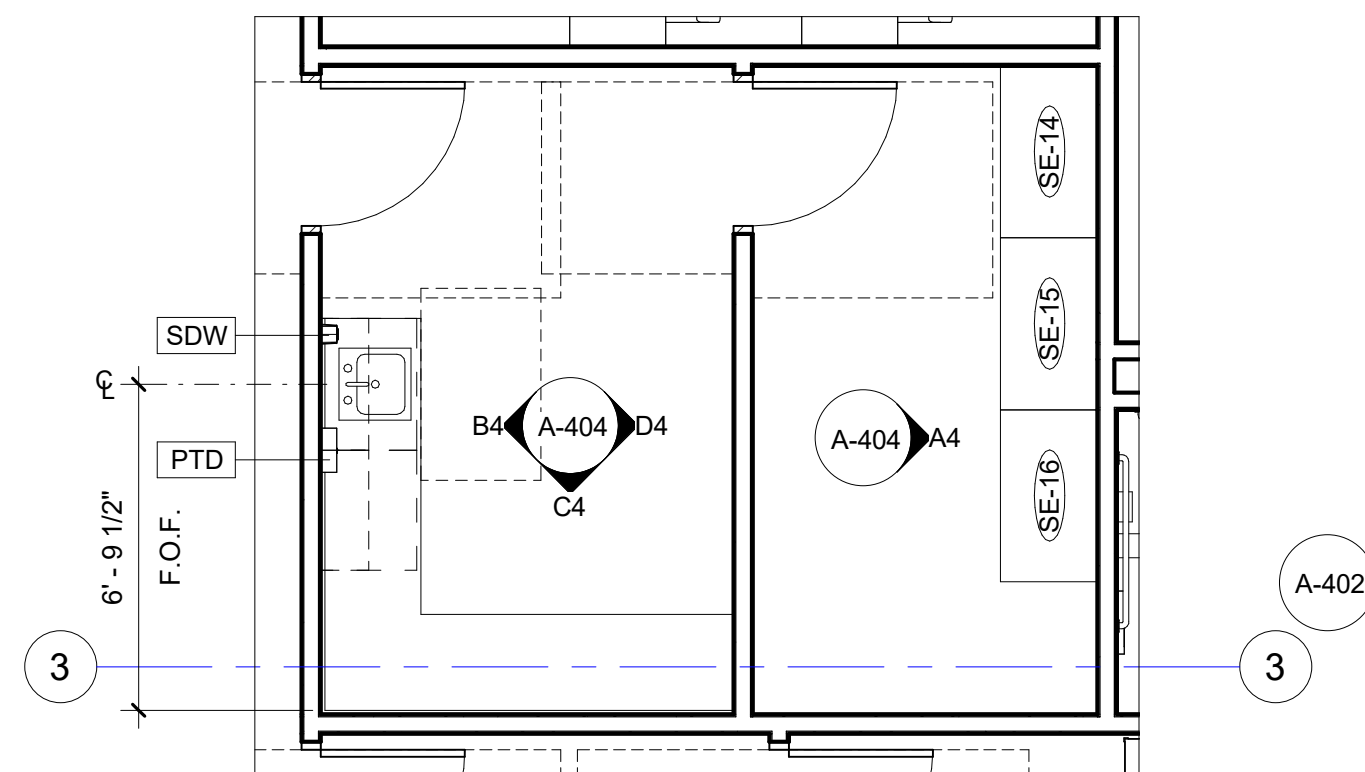
**C2** WELLNESS 132 - EAST ELEVATION  
Scale: 1/4" = 1'-0"



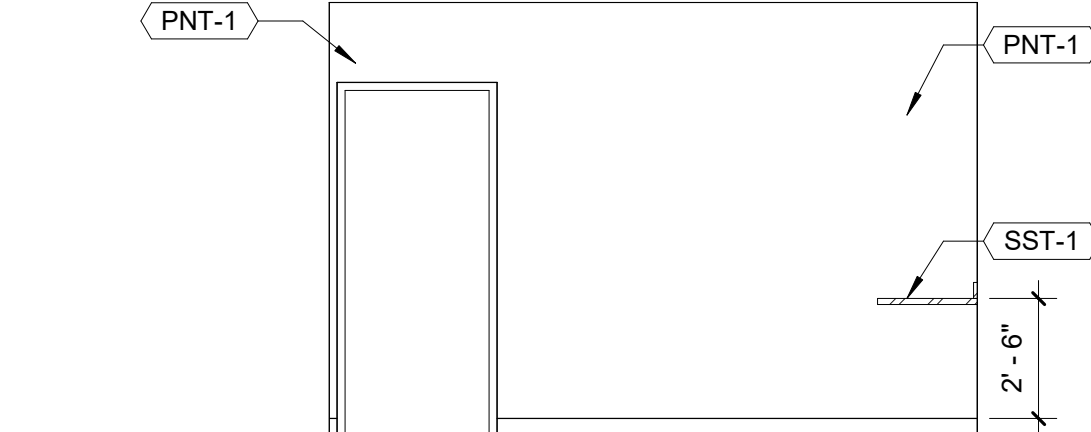
**B2** WELLNESS 132 - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



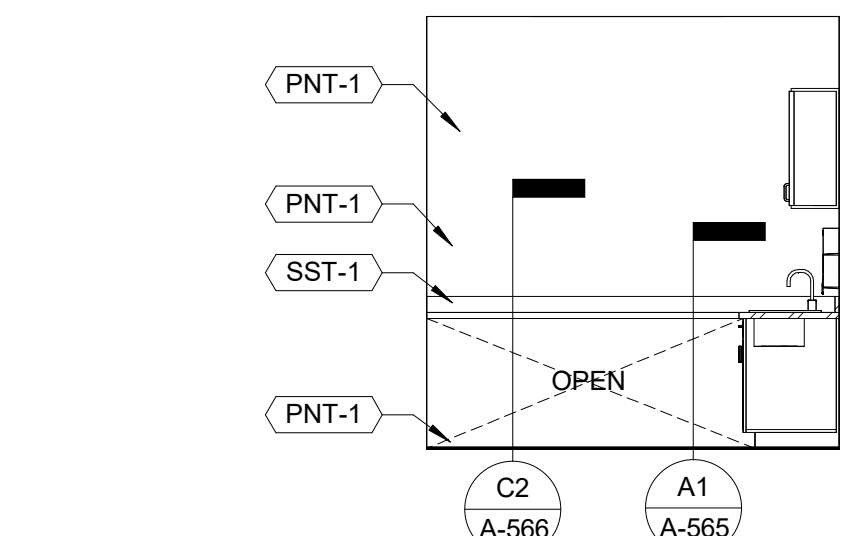
**A2** WELLNESS 132 - WEST ELEVATION  
Scale: 1/4" = 1'-0"



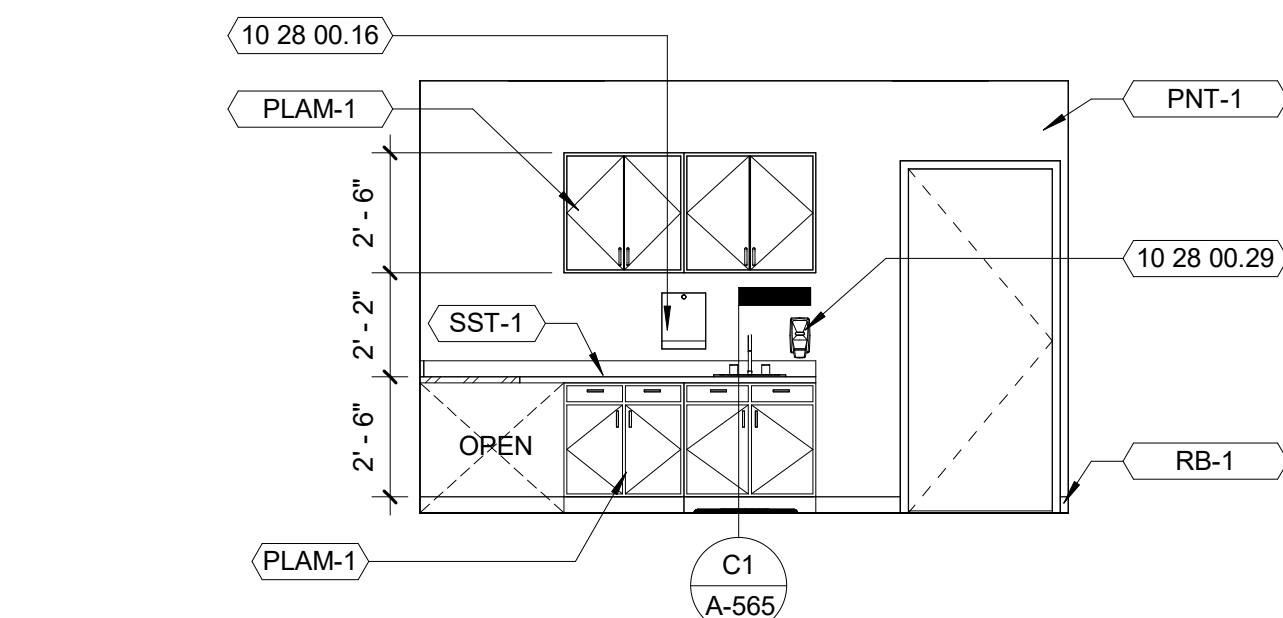
**E4** ENLARGED PLAN - GUN CLEANING 125 & ARMORY 126  
Scale: 1/4" = 1'-0"



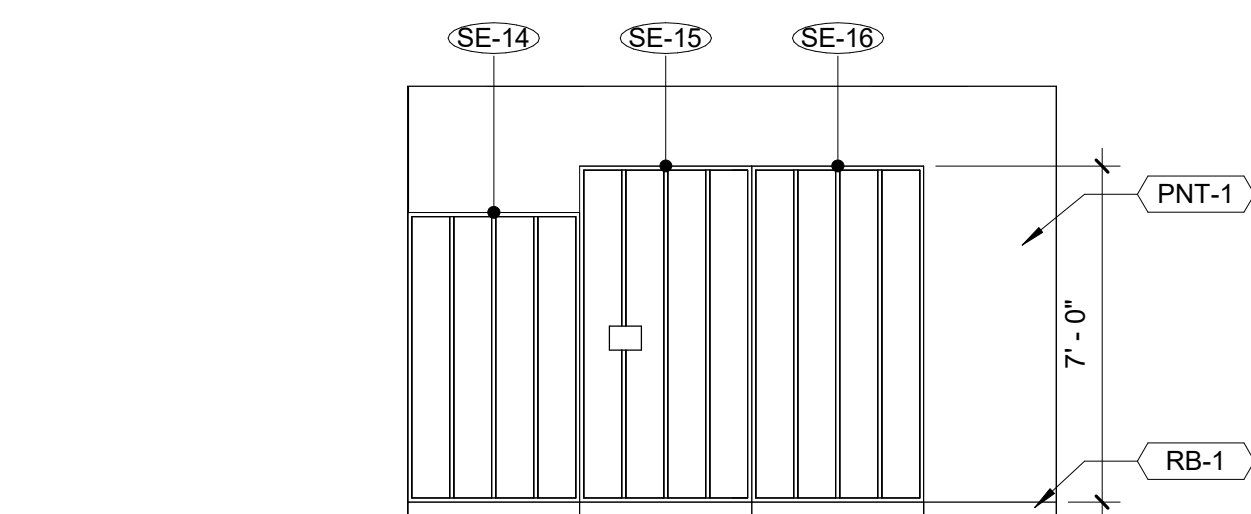
**D4** GUN CLEANING 125 - EAST ELEVATION  
Scale: 1/4" = 1'-0"



**C4** GUN CLEANING 125 - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



**B4** GUN CLEANING 125 - WEST ELEVATION  
Scale: 1/4" = 1'-0"



**A4** ARMORY 126 - EAST ELEVATION  
Scale: 1/4" = 1'-0"

ENLARGED DRAWINGS GENERAL NOTES

1. REFER TO SHEET G-400 FOR TOILET ACCESSORY DESIGNATIONS AND MOUNTING HEIGHTS
2. REFER TO SEE SHEET A-115 FOR FINISH MATERIAL DESIGNATIONS AND DETAILS
3. REFER TO SHEET A-565 FOR GENERAL CASEWORK NOTES
4. REFER TO SHEET A-620 FOR EQUIPMENT DESIGNATIONS AND SCHEDULES
5. SLOPE FINISH FLOOR TO DRAIN 1/8 in./ft. MIN. TO 1/4in./ft. MAX.

KITCHEN ACCESSORIES LEGEND

PTD	PAPER TOWEL DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
MR	MOP RACK

TOILET ACCESSORIES LEGEND

AM	ACCESS MIRROR
FM	FULL LENGTH ACCESSIBLE MIRROR
CSR	ACCESSIBLE CLOSET SHELF & ROD
CH	COAT HOOK
DC	DIAPER CHANGING TABLE
FS	FOLDING SEAT
GB	GRAB BAR
HD	HAND DRYER
MR	MOP RACK
PTD	PAPER TOWEL DISPENSER
PTDR	FULL HT PAPER TOWEL DISPENSER
PTDR	PAPER TOWEL ROLL DISPENSER
RH	ROBE HOOK
SCD	SEAT COVER DISPENSER
SC	SHOWER CONTROL, FAUCET AND SPRAY
SDC	COUNTERTOP MOUNTED SOAP DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TP	TOILET PAPER DISPENSER
BN	ADA BENCH

ENLARGED PLAN SYMBOL LEGEND

XX	TOILET / KITCHEN ACCESSORY TAGS
00 00 00.00	KEYNOTE TAGS
XX-X	FINISH TAGS
XX-X	EQUIPMENT TAGS, REFER TO EQUIPMENT SCHEDULE, SHEET A-701

KEYNOTES PER SHEET

NOTE	DESCRIPTION
10 28 00.16	PAPER TOWEL (FOLDED) DISPENSER, SEMI RECESSED, INSTALL WITH CONTROL POINT OR OPERATING MECHANISM AT 40" AFF. MAX.
10 28 00.29	MANUAL SOAP DISPENSER, WALL MOUNTED.
22 41 16.16	RESIDENTIAL SINKS.
22 47 13	HILLOW DRINKING FOUNTAINS, REF: PLUMBING FIXTURE SCHEDULE. PROVIDE STAINLESS STEEL SIDE GUARDRAIL PER G-400, MAINTAIN CLEAR FLOOR SPACE AS 30" x 48" AS REQUIRED.



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

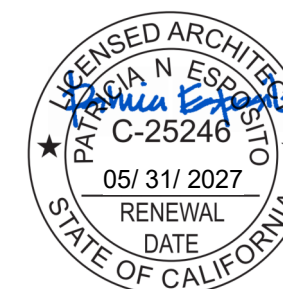
CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ/MM  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

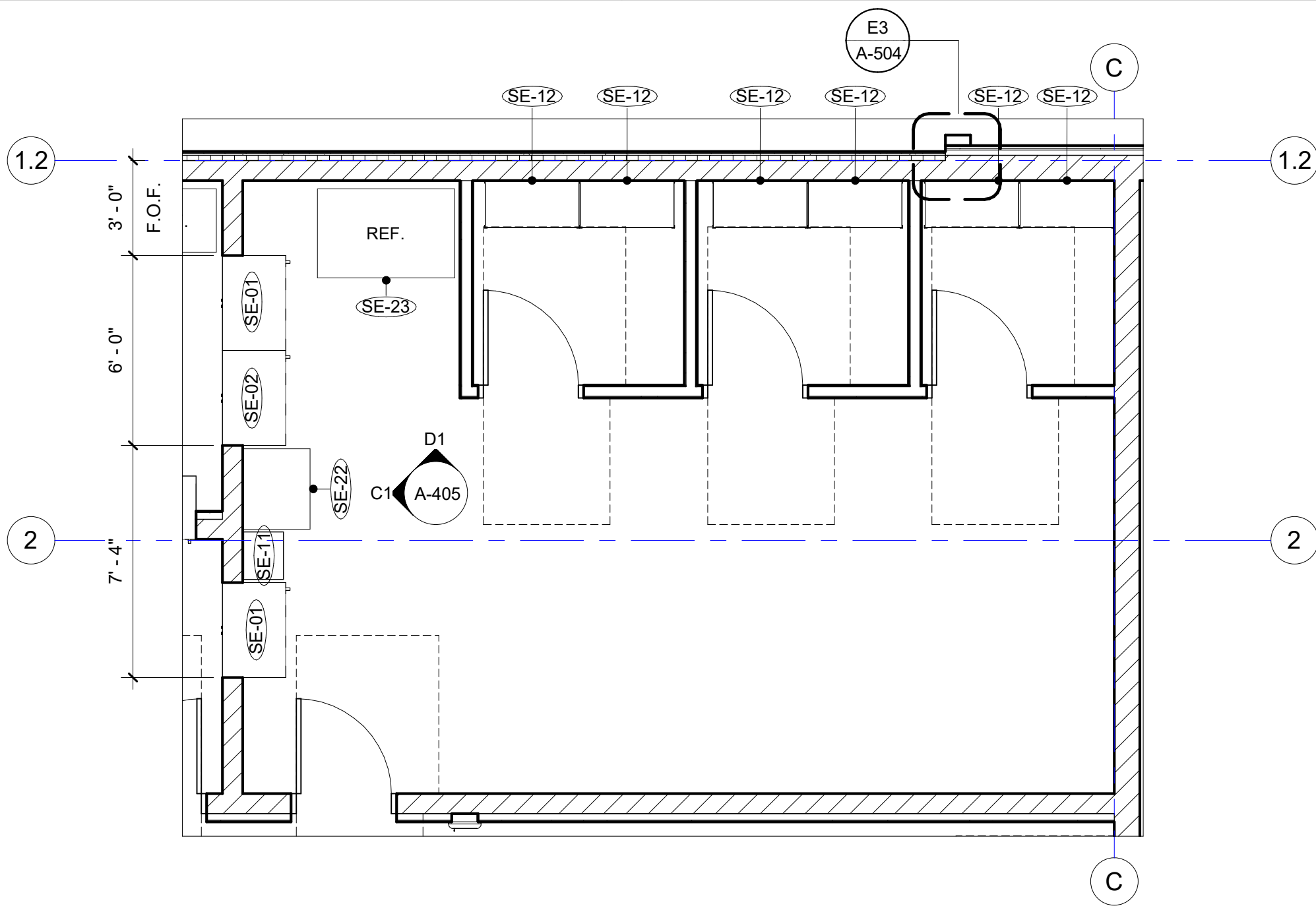
ENLARGED  
PLANS AND  
ELEVATIONS

PROJECT NO. 50184767

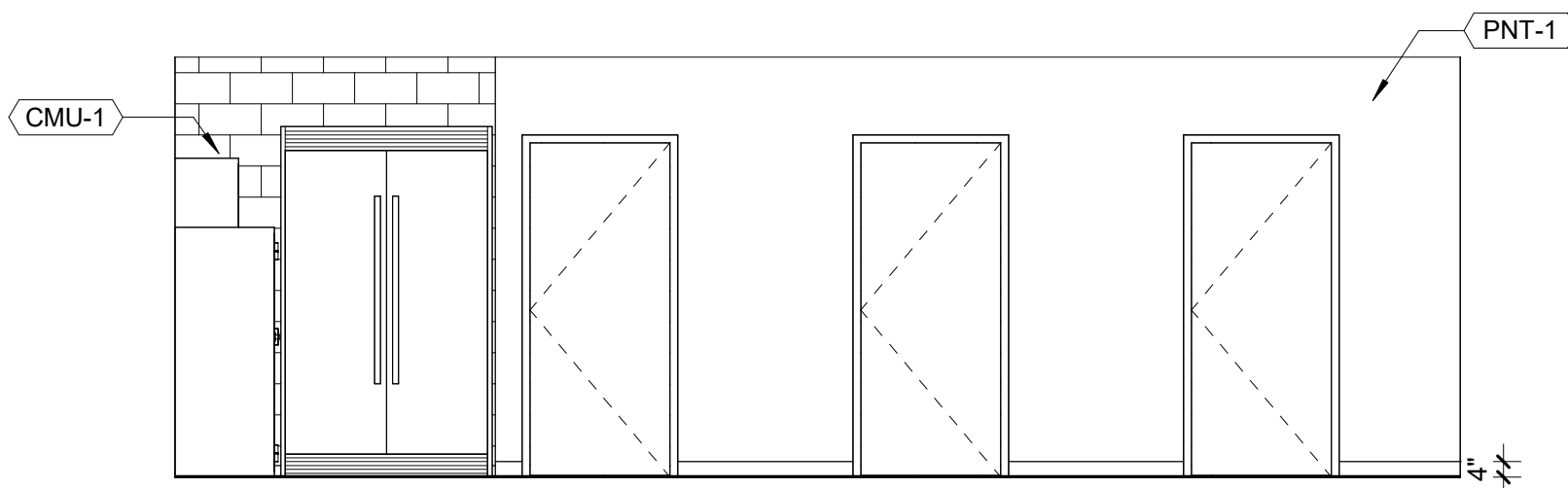
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SHEET NO.

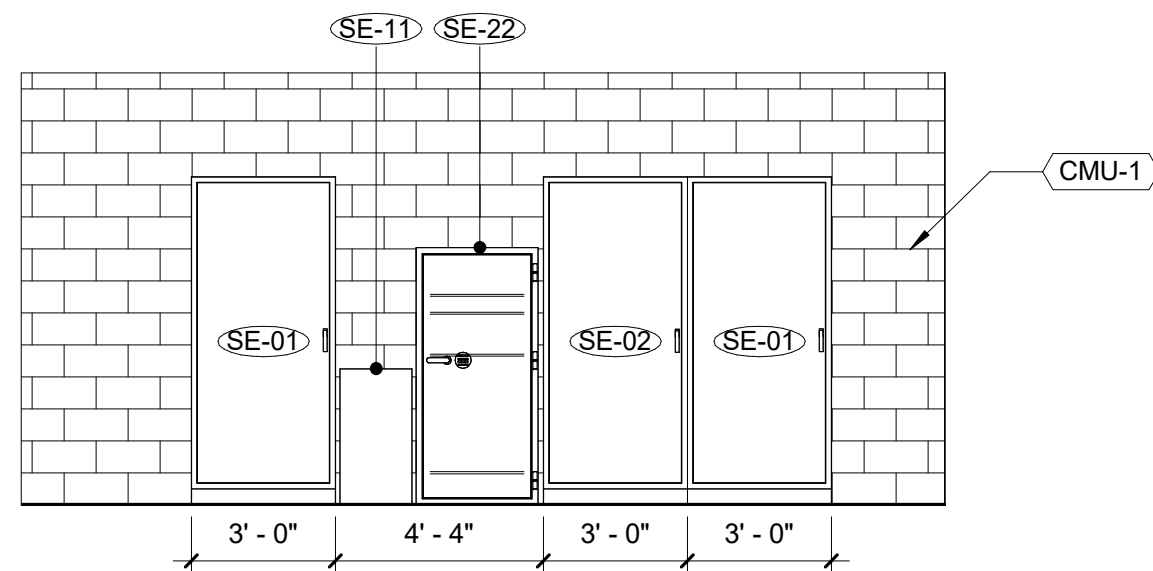




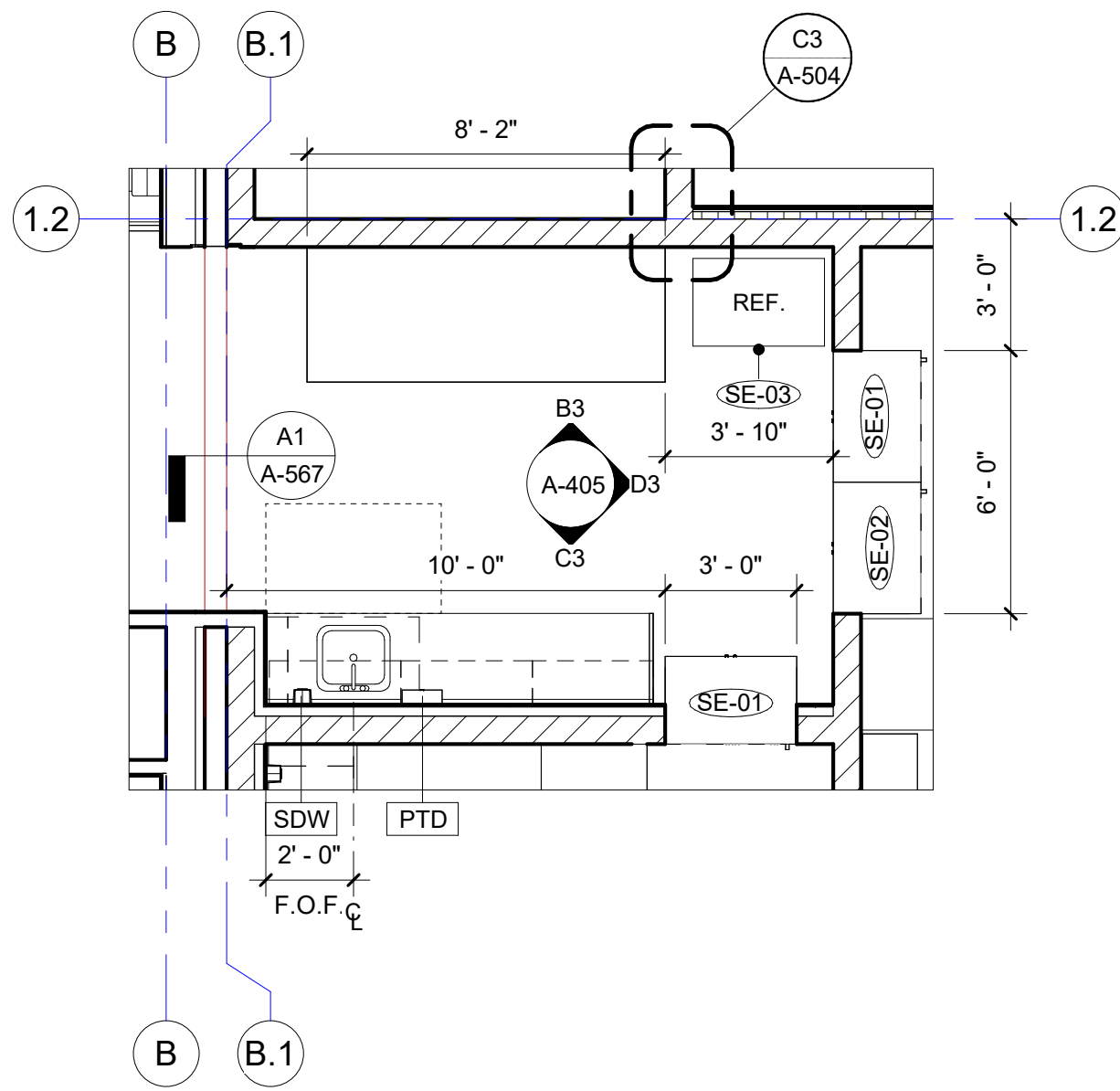
E1 ENLARGED PLAN - PROPERTY  
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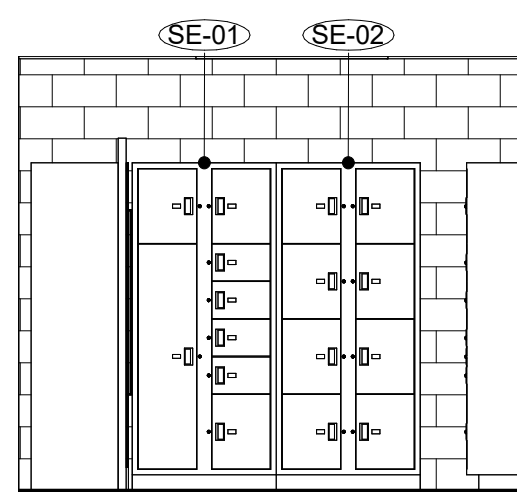
D1 PROPERTY 145 NORTH  
Scale: 1/4" = 1'-0"



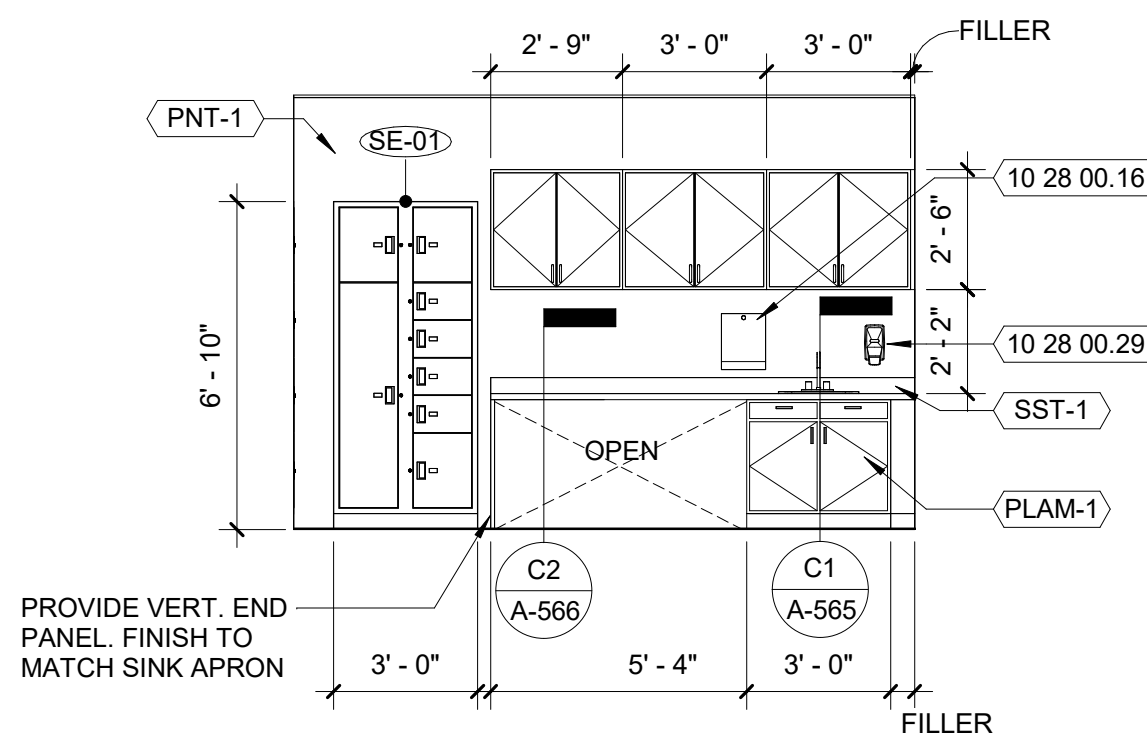
C1 PROPERTY 145 WEST  
Scale: 1/4" = 1'-0"



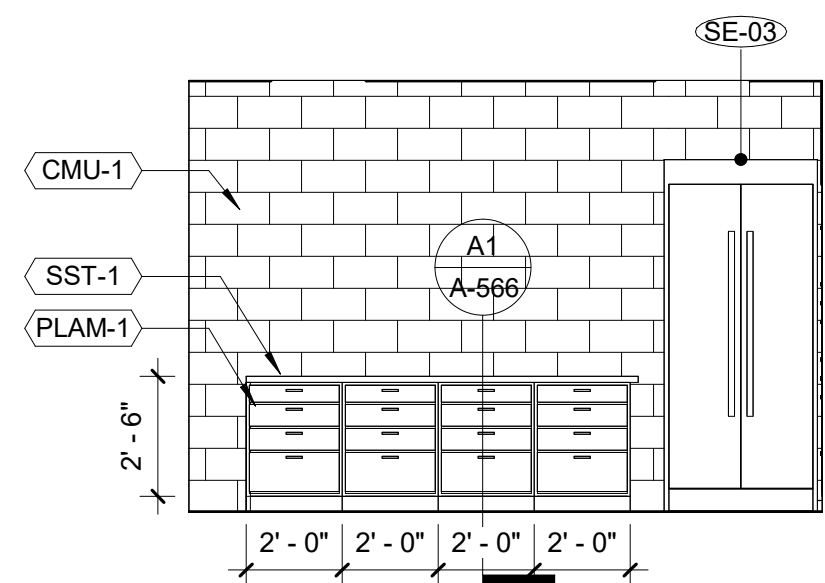
E3 ENLARGED PLAN - BAG & TAG 144  
Scale: 1/4" = 1'-0"



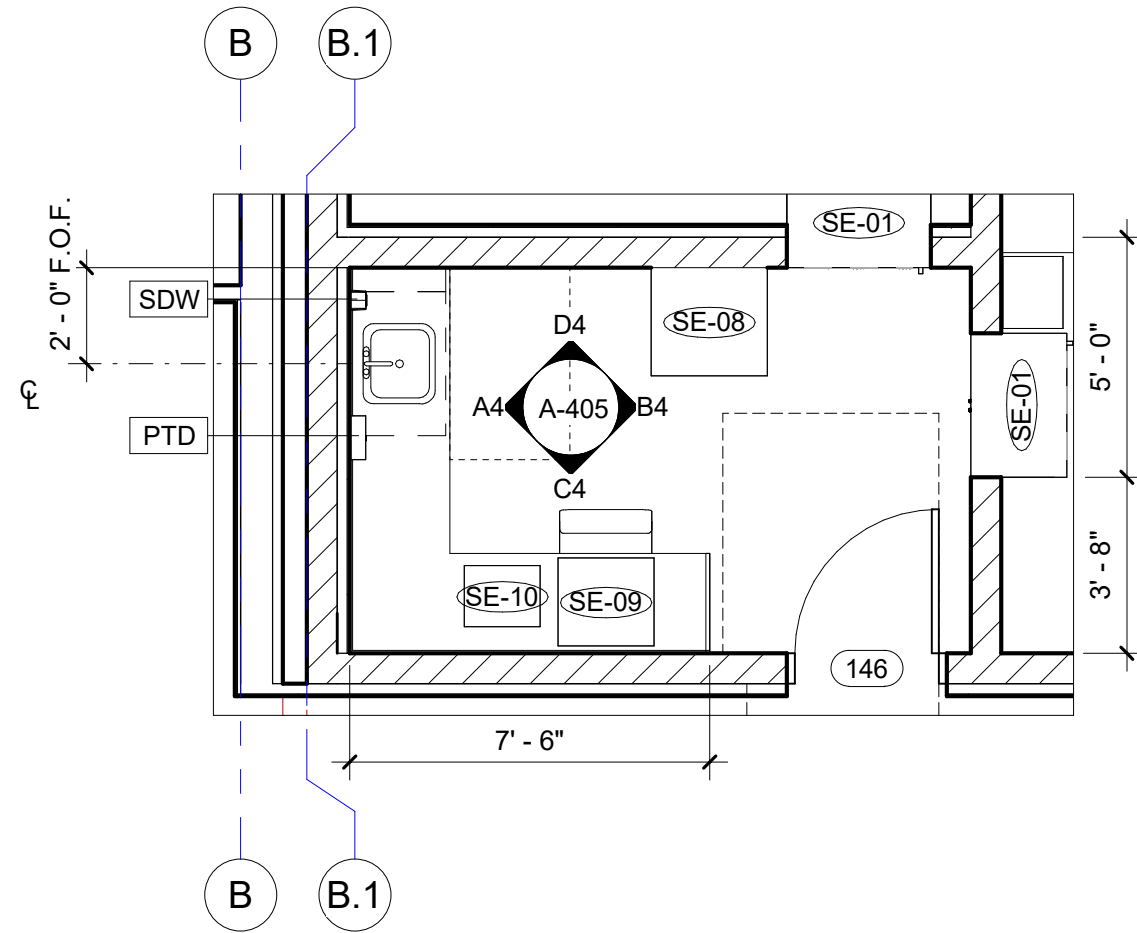
D3 BAG & TAG 144 - EAST ELEVATION  
Scale: 1/4" = 1'-0"



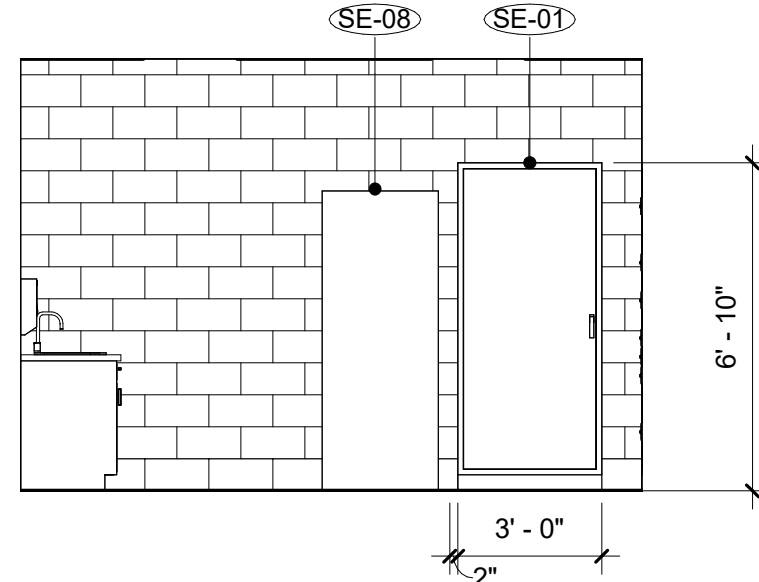
C3 BAG & TAG 144 - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



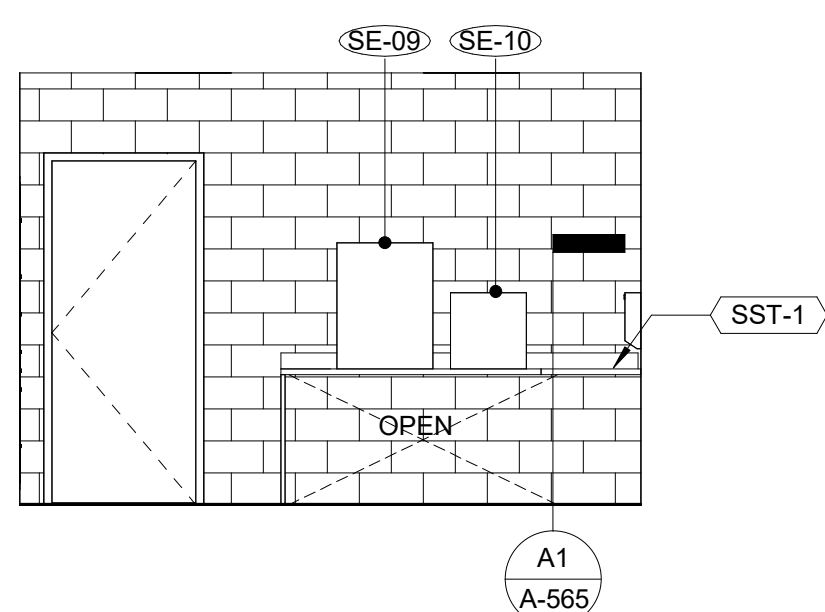
B3 BAG & TAG 144 - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



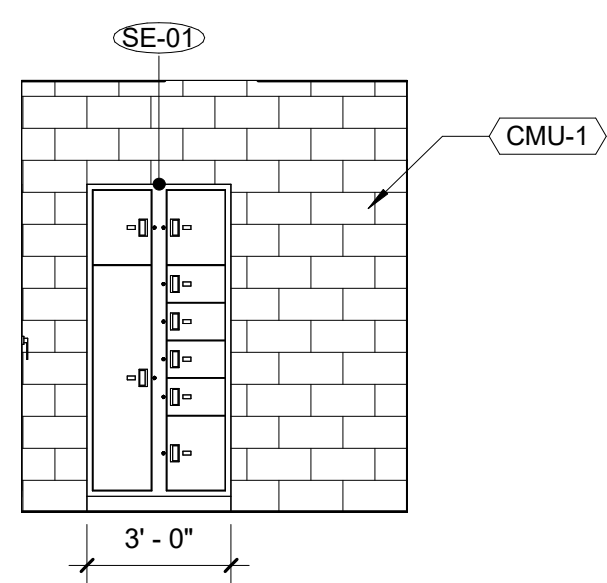
E4 ENLARGED PLAN - EVIDENCE PROCESS 146  
Scale: 1/4" = 1'-0"



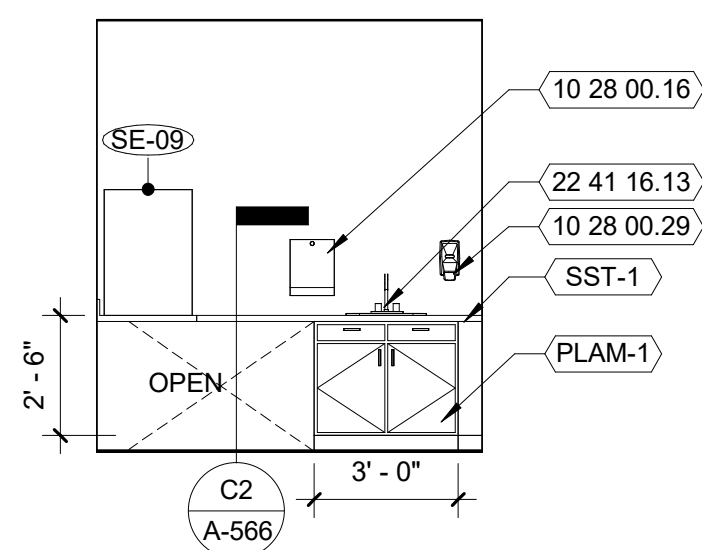
D4 EVIDENCE PROCESS 146 - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



C4 EVIDENCE PROCESS 146 - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



B4 EVIDENCE PROCESS 146 - EAST ELEVATION  
Scale: 1/4" = 1'-0"



A4 EVIDENCE PROCESS 146 - WEST ELEVATION  
Scale: 1/4" = 1'-0"

- ENLARGED DRAWINGS GENERAL NOTES
1. REFER TO SHEET G-400 FOR TOILET ACCESSORY DESIGNATIONS AND MOUNTING HEIGHTS
  2. REFER TO SEE SHEET A-115 FOR FINISH MATERIAL DESIGNATIONS AND DETAILS
  3. REFER TO SHEET A-565 FOR GENERAL CASEWORK NOTES
  4. REFER TO SHEET A-620 FOR EQUIPMENT DESIGNATIONS AND SCHEDULES
  5. SLOPE FINISH FLOOR TO DRAIN 1/8 in./ ft. MIN. TO 1/4in./ft. MAX.

- KITCHEN ACCESSORIES LEGEND
- |     |                             |
|-----|-----------------------------|
| PTD | PAPER TOWEL DISPENSER       |
| SDW | WALL MOUNTED SOAP DISPENSER |
| MR  | MOP RACK                    |

- ENLARGED PLAN SYMBOL LEGEND
- |             |  |
|-------------|--|
| XX          | TOILET / KITCHEN ACCESSORY TAGS                          |
| 00 00 00.00 | KEYNOTE TAGS   |
| XX-X        | FINISH TAGS  |
| XX-X        | EQUIPMENT TAGS, REFER TO EQUIPMENT SCHEDULE, SHEET A-701 |

KEYNOTES PER SHEET	
NOTE	DESCRIPTION
10 28 00.16	PAPER TOWEL (FOLDED) DISPENSER, SEMI RECESSED. INSTALL WITH CONTROL POINT OR OPERATING MECHANISM AT 40" AFF. MAX.
10 28 00.29	MANUAL SOAP DISPENSER, WALL MOUNTED.
22 41 16.13	RESIDENTIAL LAVATORIES

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ/MM  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

ENLARGED  
PLANS AND  
ELEVATIONS

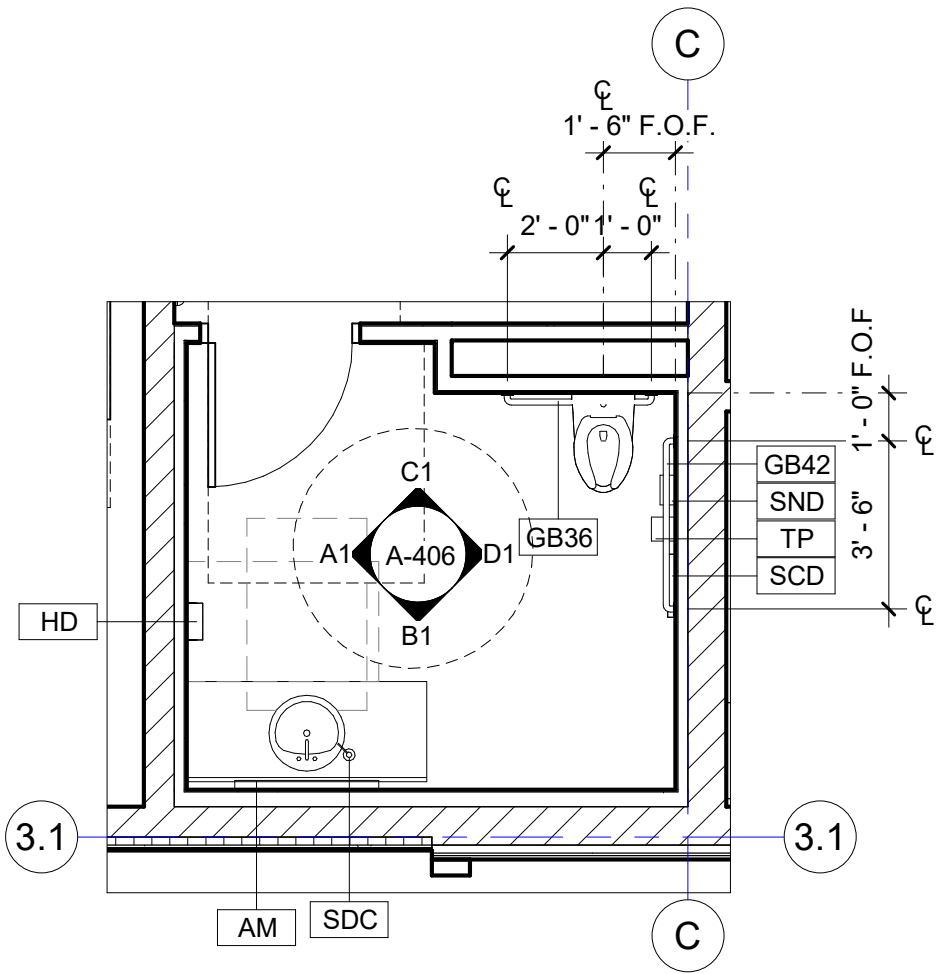
PROJECT NO. 50184767

A-405

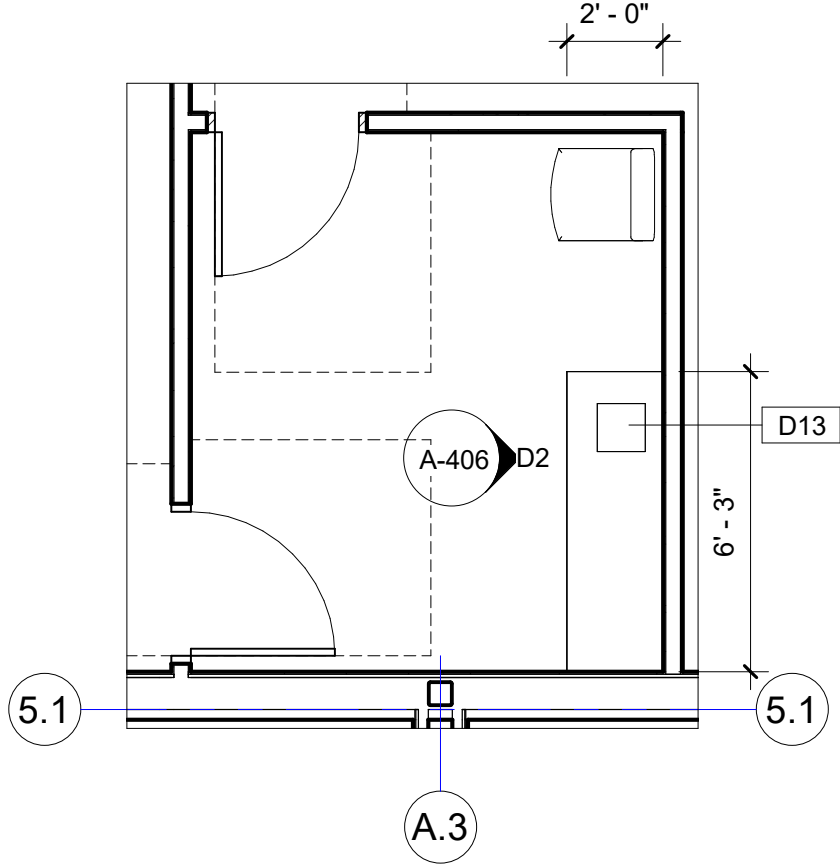
SHEET NO.



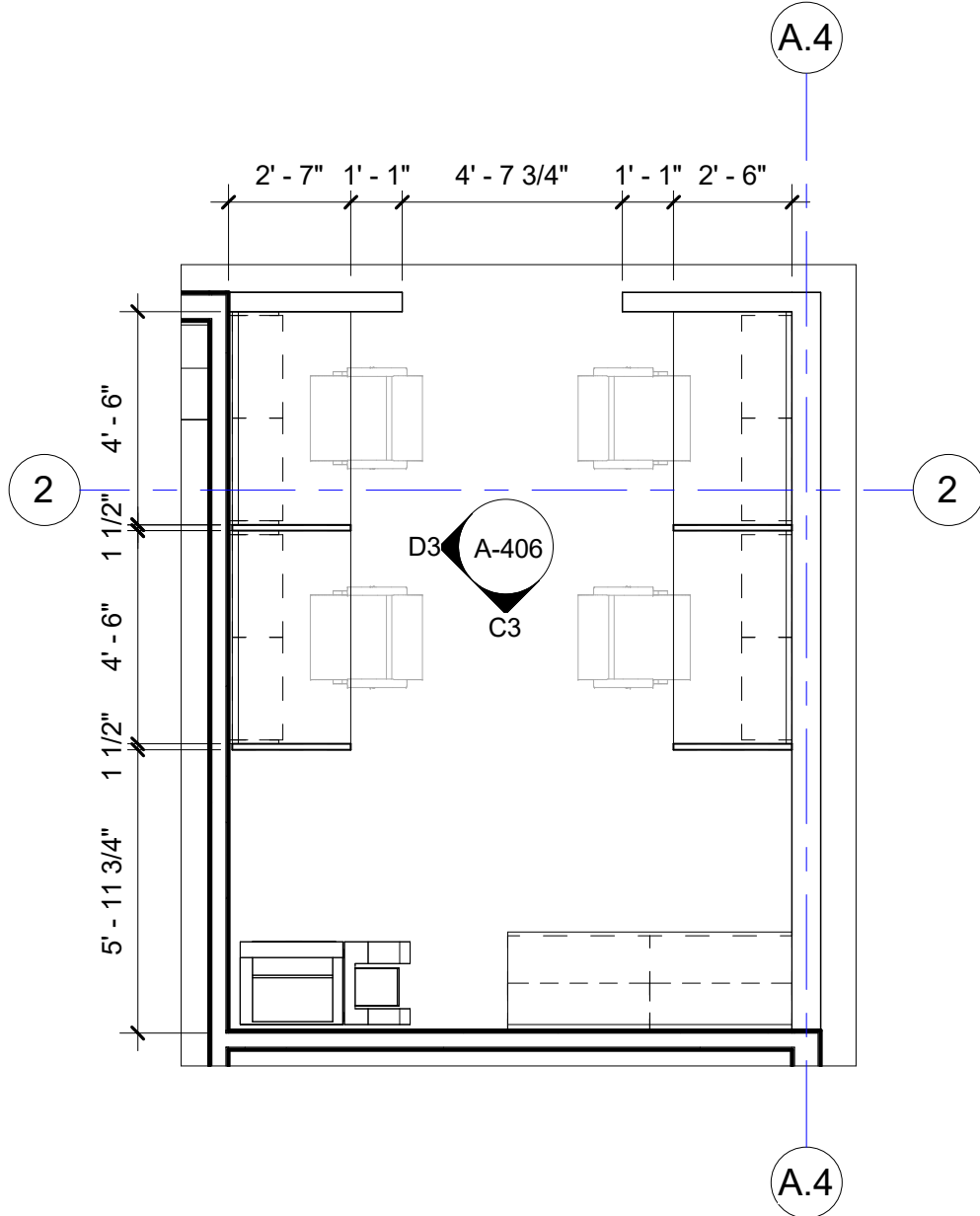
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E  
D  
C  
B  
A



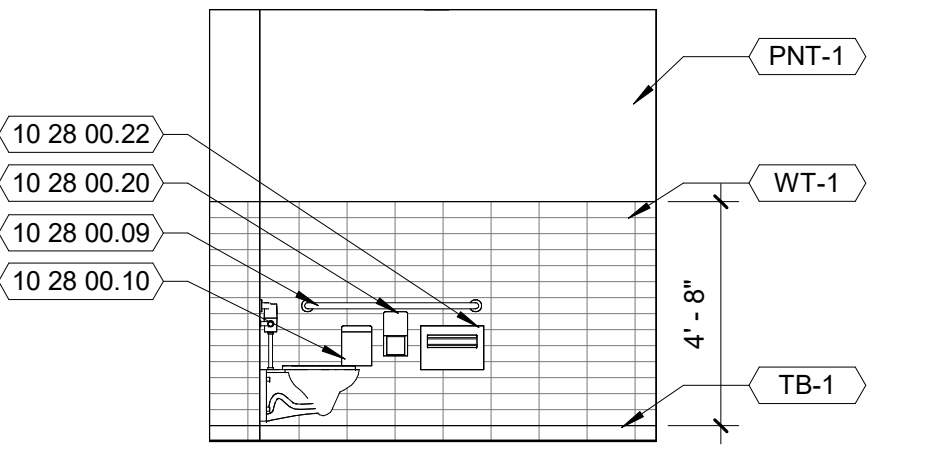
E1 ENLARGED PLAN - STAFF TLT  
Scale: 1/4" = 1'-0"



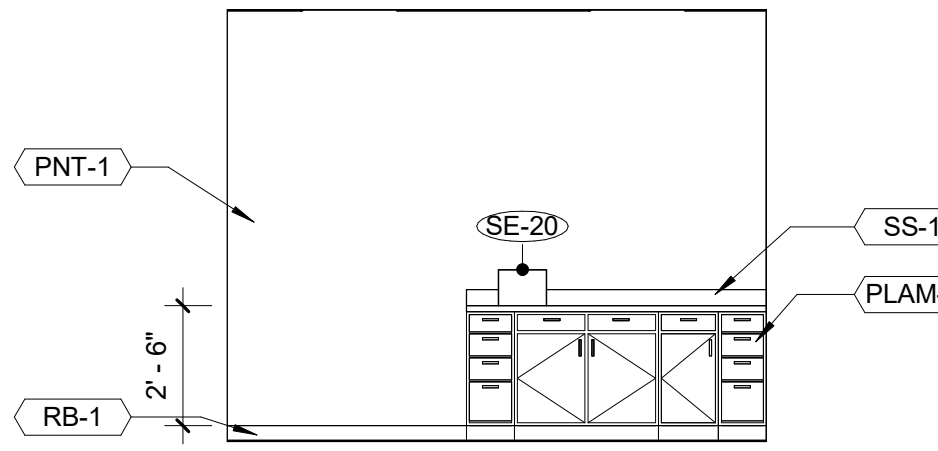
E2 ENLARGED PLAN - LIVE SCAN  
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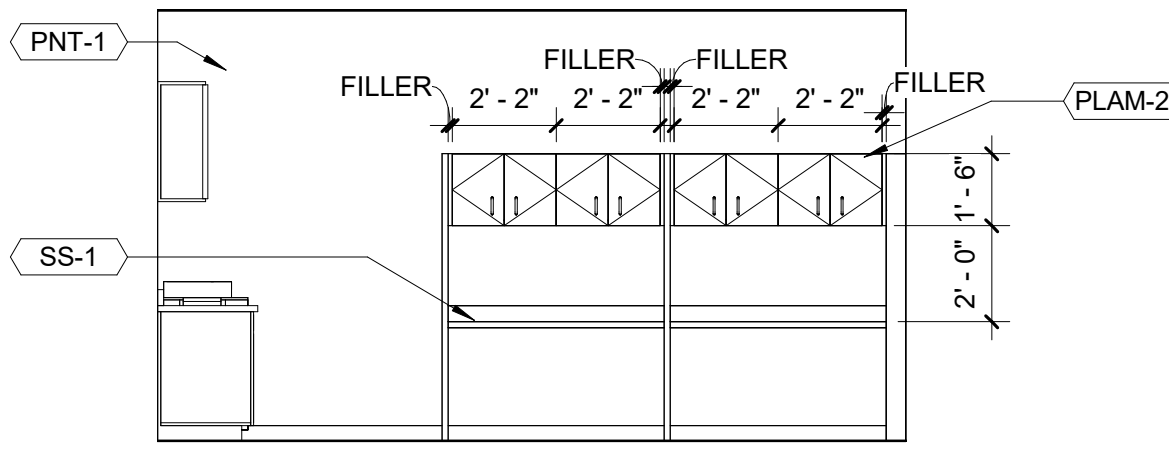
E3 ENLARGED PLAN - REPORT WRITING  
Scale: 1/4" = 1'-0"



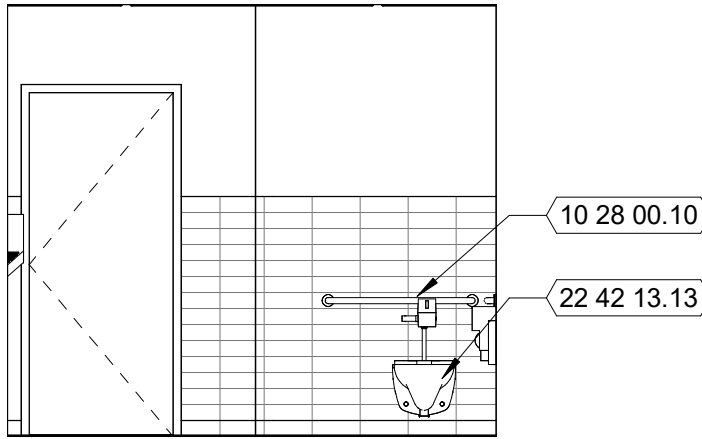
D1 STAFF TLT 159 EAST  
Scale: 1/4" = 1'-0"



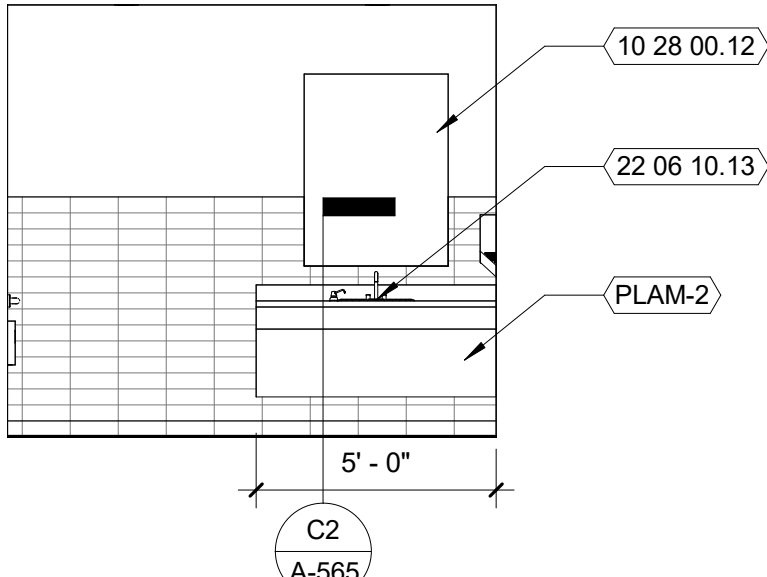
D2 LIVE SCAN 105 EAST  
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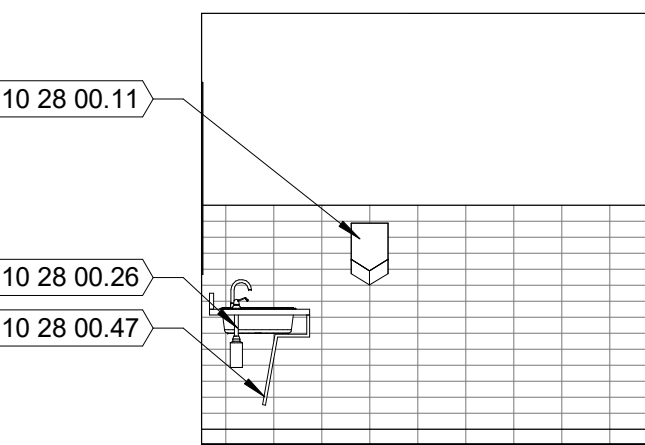
D3 REPORT WTG 124 WEST  
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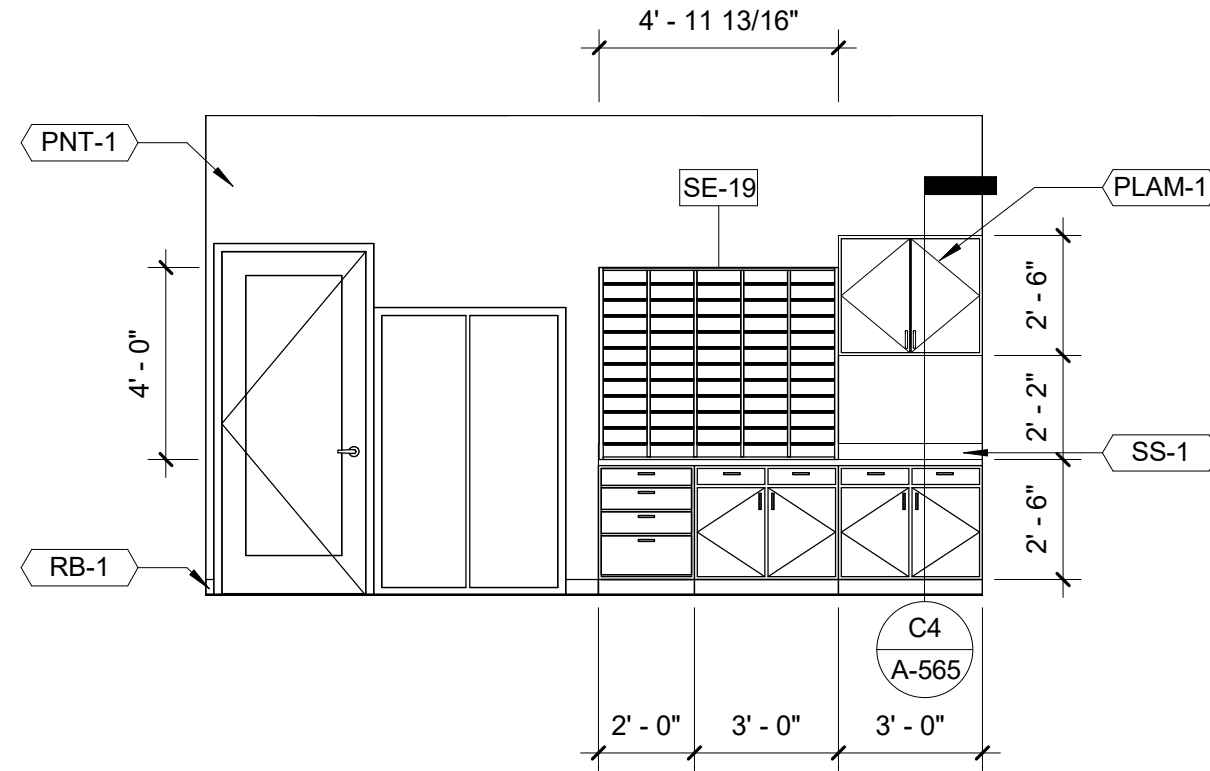
C1 STAFF TLT 159 NORTH  
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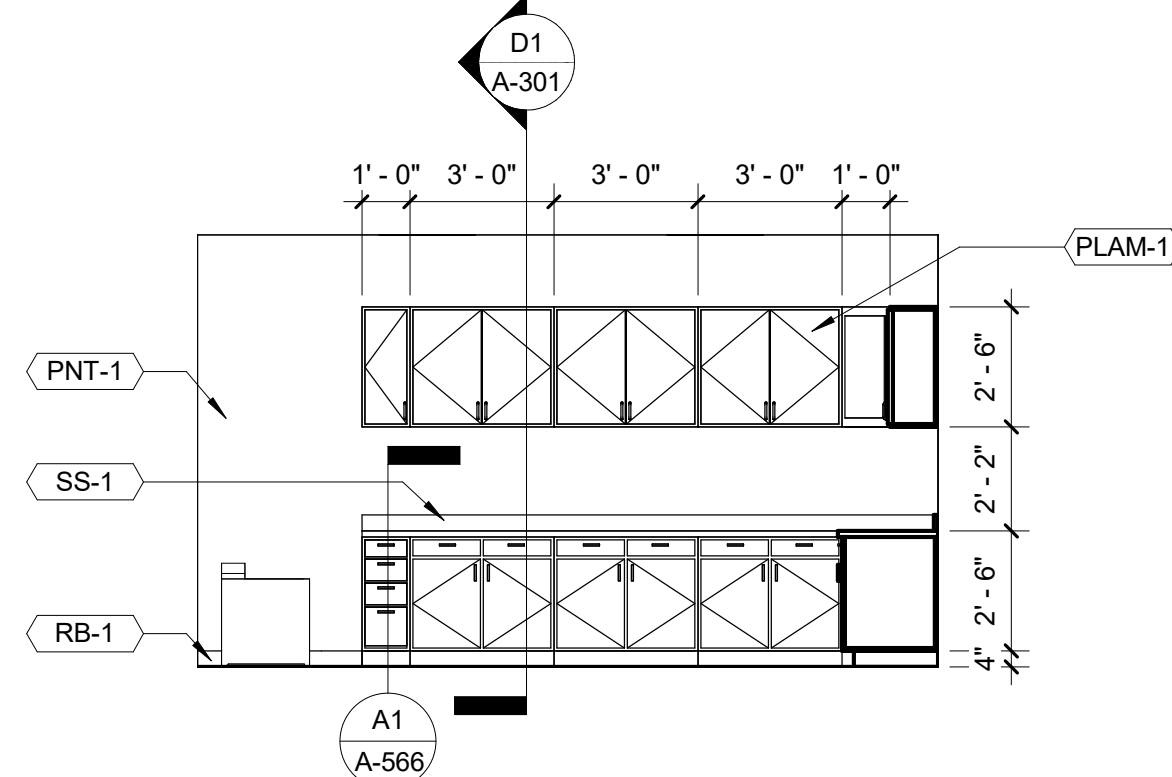
B1 STAFF TLT 159 SOUTH  
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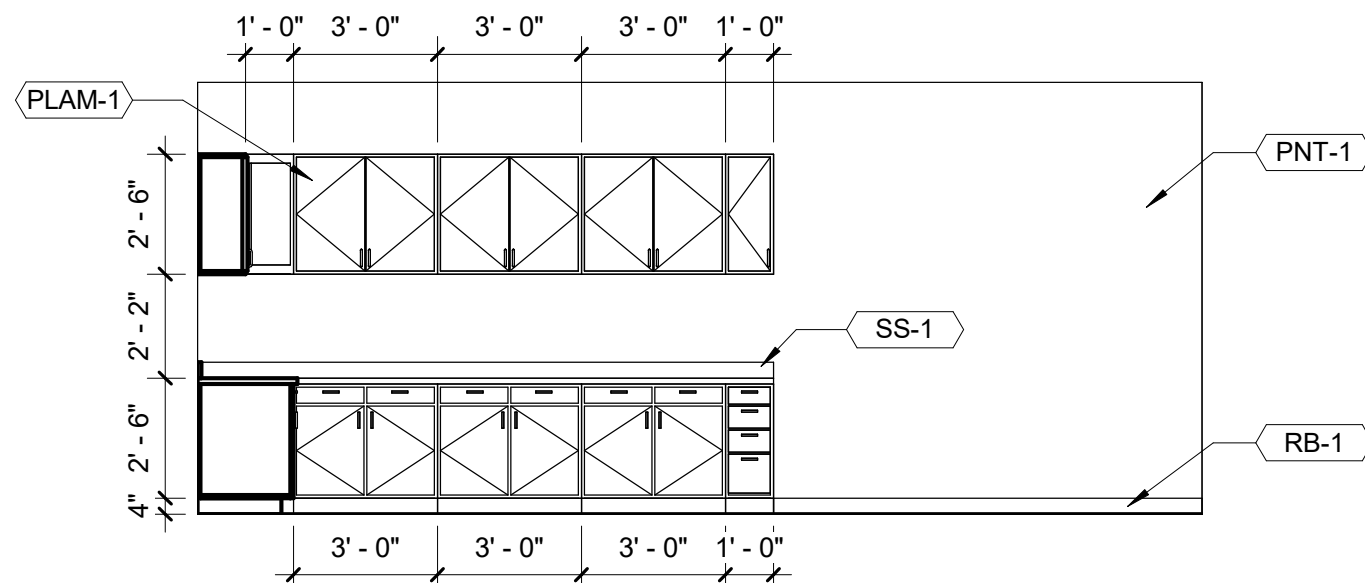
A1 STAFF TLT 159 WEST  
Scale: 1/4" = 1'-0"



A2 BRIEFING 123 - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



D4 CONFERENCE 136 - EAST ELEVATION  
Scale: 1/4" = 1'-0"



A4 CONFERENCE 136 - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"

ENLARGED DRAWINGS GENERAL NOTES

1. REFER TO SHEET G-400 FOR TOILET ACCESSORY DESIGNATIONS AND MOUNTING HEIGHTS
2. REFER TO SHEET A-115 FOR FINISH MATERIAL DESIGNATIONS AND DETAILS
3. REFER TO SHEET A-565 FOR GENERAL CASEWORK NOTES
4. REFER TO SHEET A-620 FOR EQUIPMENT DESIGNATIONS AND SCHEDULES
5. SLOPE FINISH FLOOR TO DRAIN 1/8 in./ ft. MIN. TO 1/4in./ft. MAX.

KITCHEN ACCESSORIES LEGEND

PTD	PAPER TOWEL DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
MR	MOP RACK

TOILET ACCESSORIES LEGEND

AM	ACCESS MIRROR
FM	FULL LENGTH ACCESSIBLE MIRROR
CSR	ACCESSIBLE CLOSET SHELF & ROD
CH	COAT HOOK
DCT	DIAPER CHANGING TABLE
FS	FOLDING SEAT
GB	GRAB BAR
HD	HAND DRYER
MR	MOP RACK
PTD	PAPER TOWEL DISPENSER
PTDR	FULL HT PAPER TOWEL DISPENSER
PTRD	PAPER TOWEL ROLL DISPENSER
RH	ROBE HOOK
SCD	SEAT COVER DISPENSER
SC	SHOWER CONTROL, FAUCET AND SPRAY
SDC	COUNTERTOP MOUNTED SOAP DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TP	TOILET PAPER DISPENSER
BN	ADA BENCH

ENLARGED PLAN SYMBOL LEGEND

XX	TOILET / KITCHEN ACCESSORY TAGS
00 00 00.00	KEYNOTE TAGS
XX-X	FINISH TAGS
XX-X	EQUIPMENT TAGS, REFER TO EQUIPMENT SCHEDULE, SHEET A-701

KEYNOTES PER SHEET

NOTE	DESCRIPTION
10 28 00.09	GRAB BAR 1 1/2" O.D. x 42"L MOUNT 33" - 36" ABOVE THE FINISHED FLOOR.
10 28 00.10	GRAB BAR 1 1/2" O.D. x 36"L MOUNT 33" - 36" ABOVE THE FINISHED FLOOR.
10 28 00.11	HAND DRYER, INSTALL 40" AFF. MAX. TO CONTROL POINT OF UNIT.
10 28 00.12	MIRROR, FRAMED 36"W x 48"H. INSTALL 40" AFF MAX. TO BOTTOM OF REFLECTIVE SURFACE.
10 28 00.20	SANITARY NAPKIN DISPENSER
10 28 00.22	SURFACE MOUNTED SEAT-COVER DISPENSER.
10 28 00.26	MANUAL SOAP DISPENSER, COUNTERTOP MOUNTED.
10 28 00.47	PROVIDE PIPE SAFETY COVER BELOW SINK
22 06 10.13	REFER TO PLUMBING PUMP SCHEDULE
22 42 13.13	WALL MOUNTED WATER CLOSET. REF PLUMBING DWGS

Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ/MM  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

ENLARGED  
PLANS AND  
ELEVATIONS

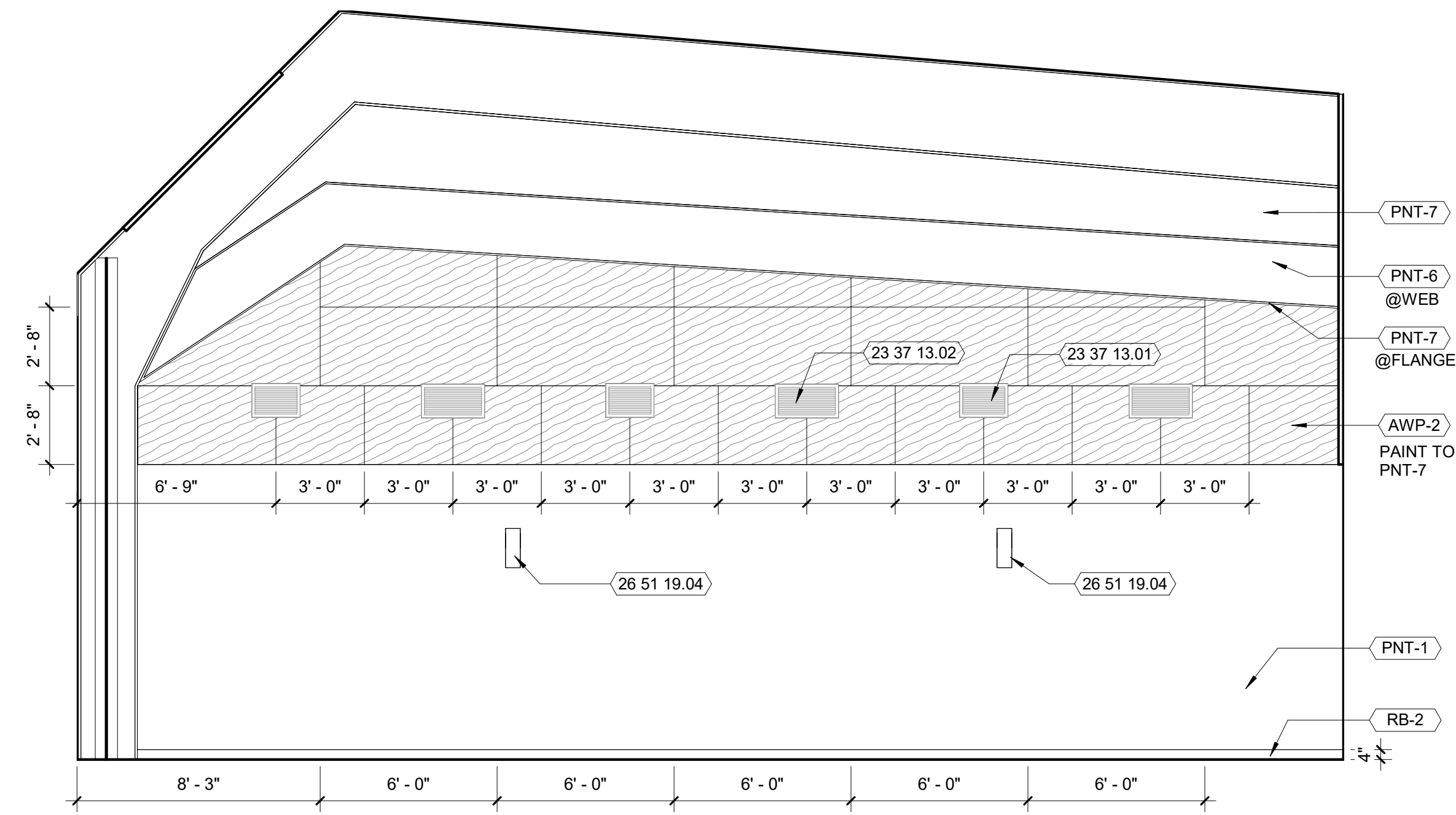
PROJECT NO. 50184767

A-406

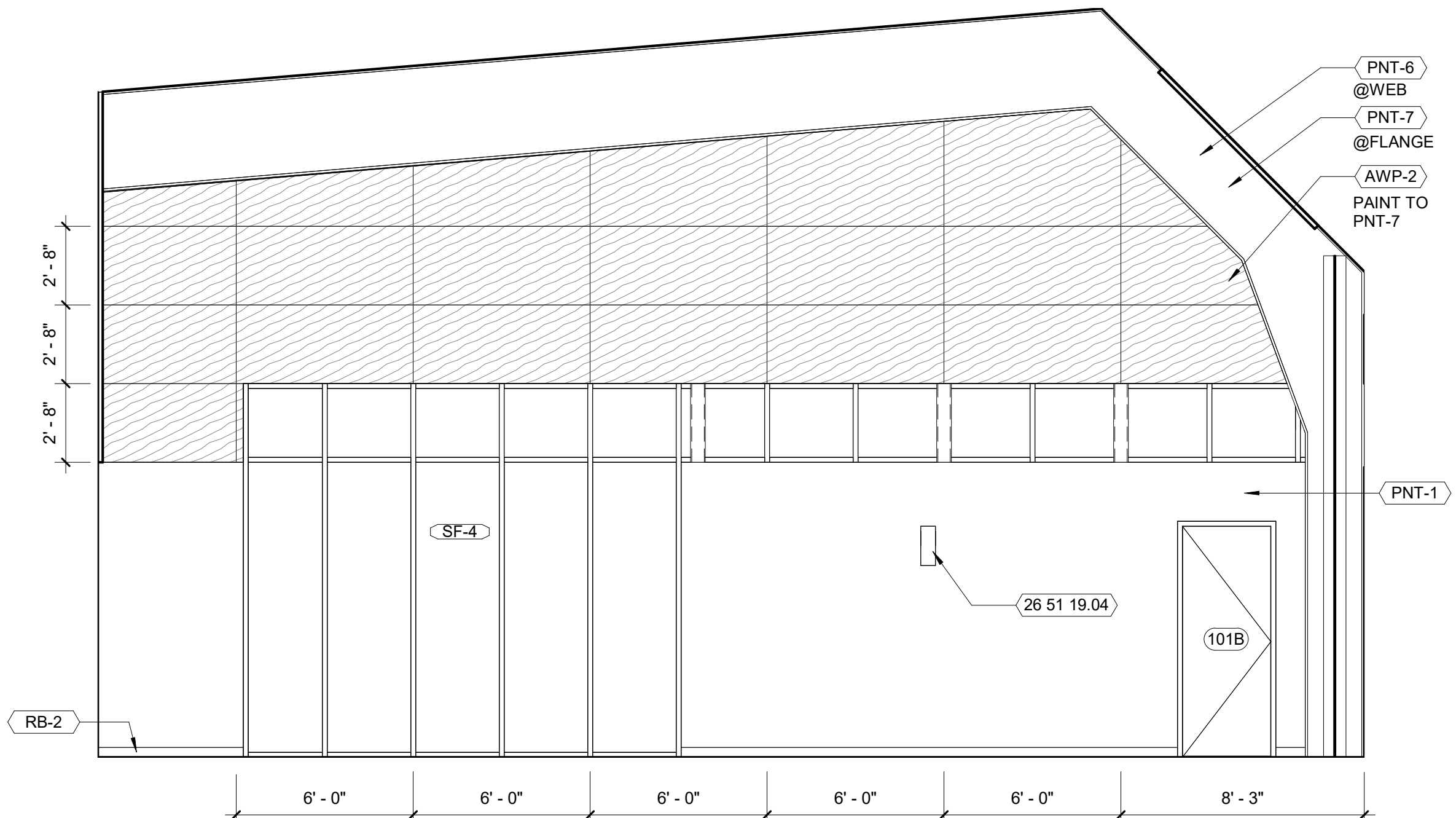
SHEET NO.



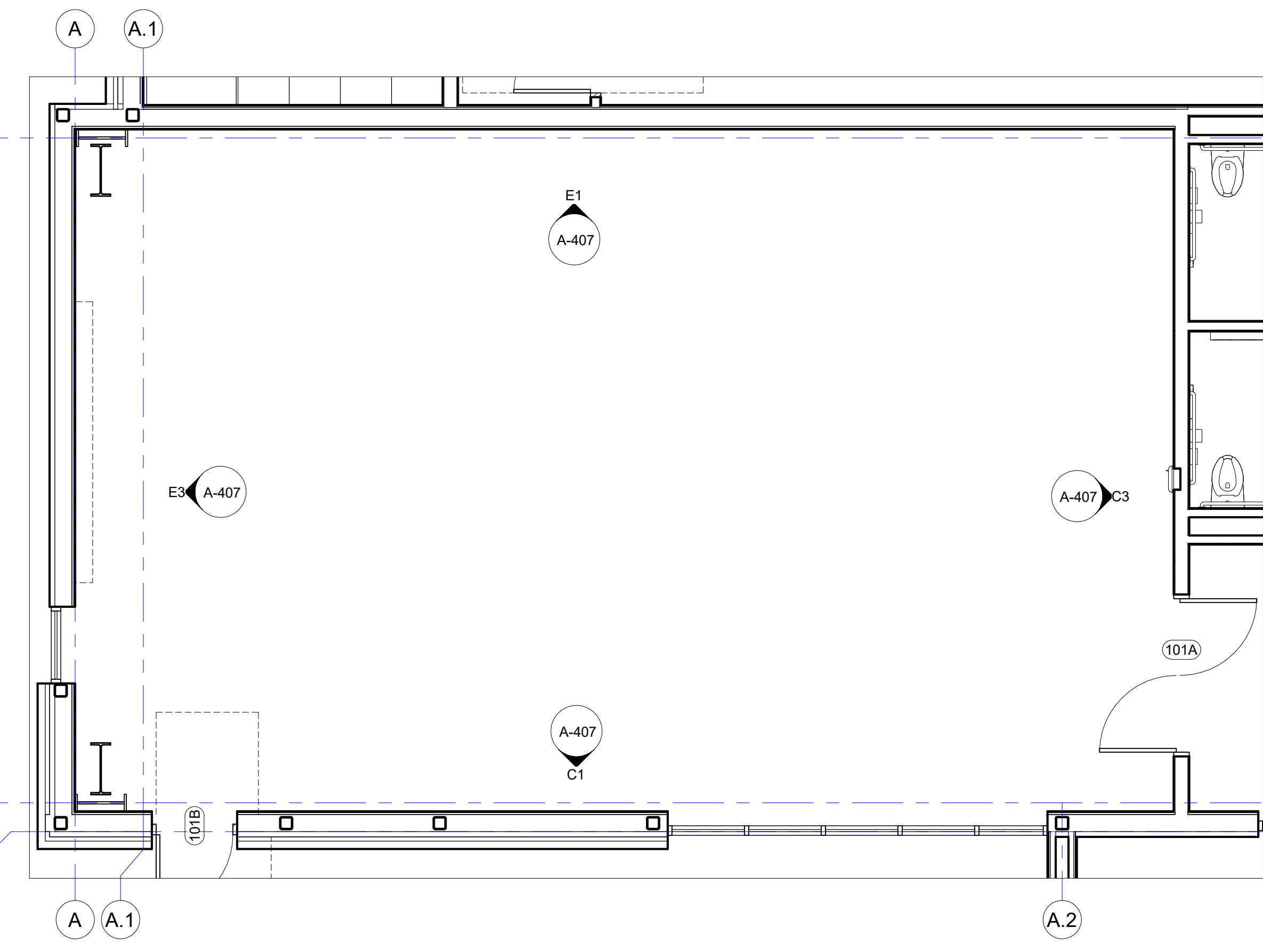
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E  
D  
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A



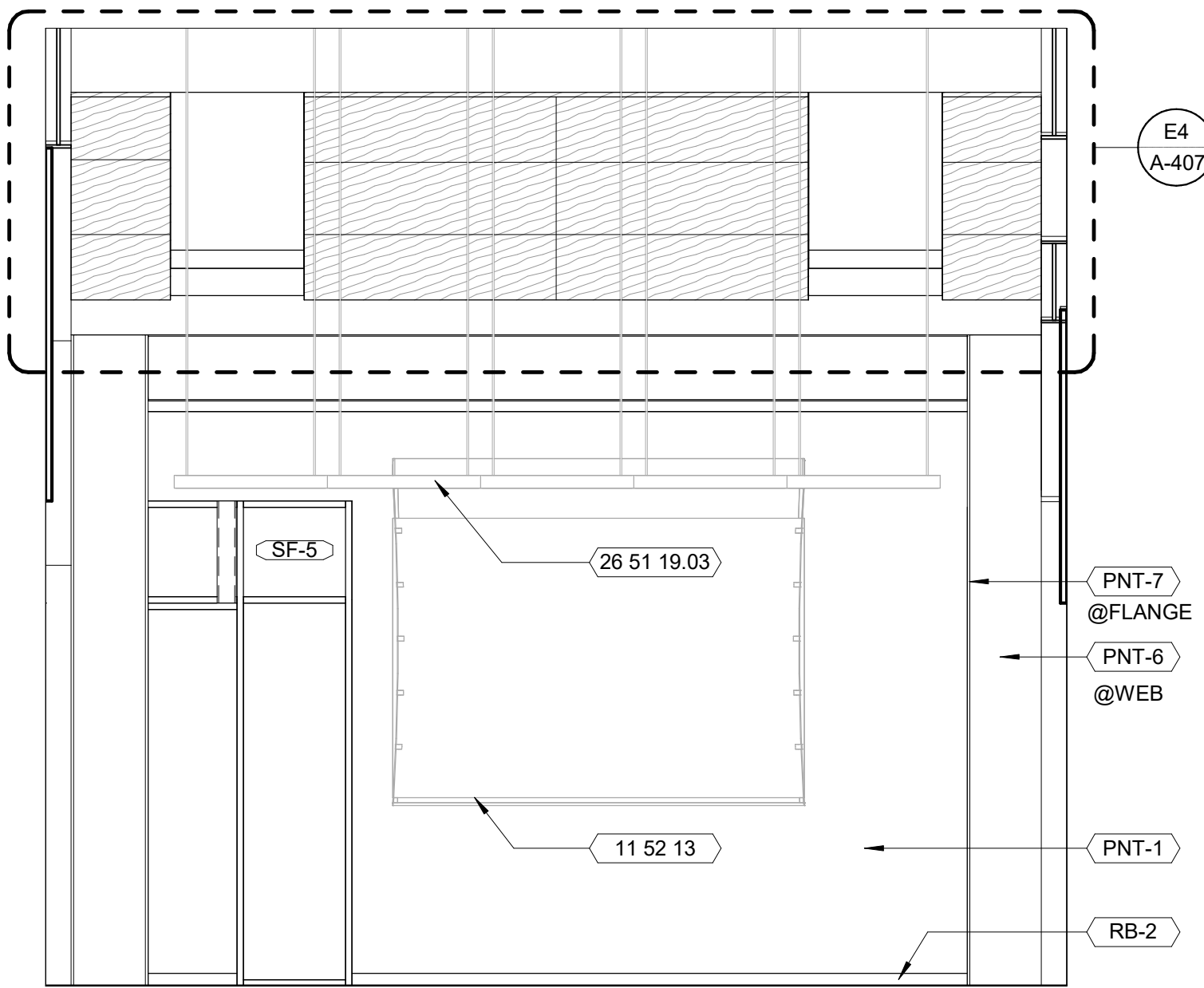
E1 COMMUNITY ROOM / EOC 101 - NORTH  
Scale: 1/4" = 1'-0"



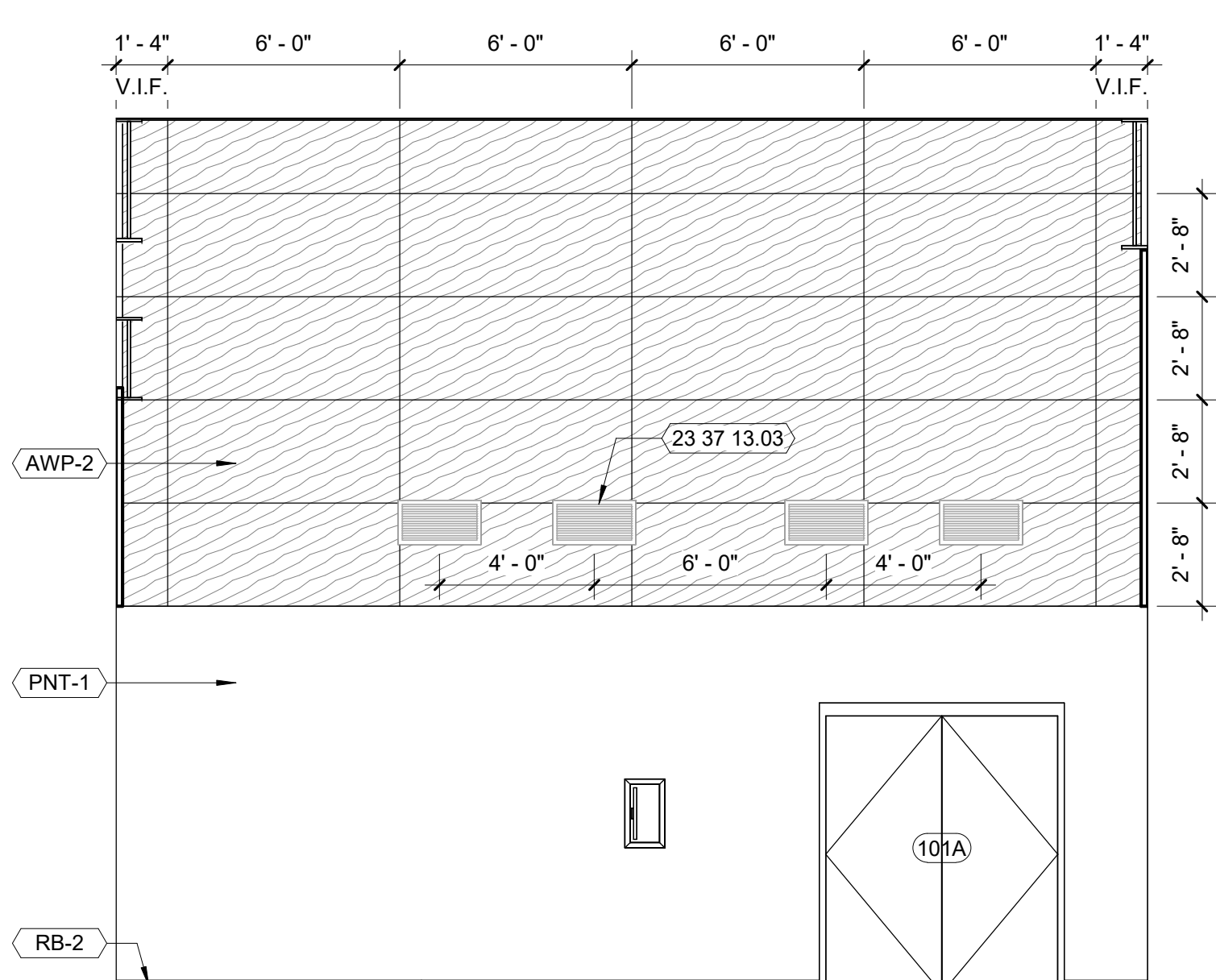
C1 COMMUNITY ROOM / EOC 101 - SOUTH  
Scale: 1/4" = 1'-0"



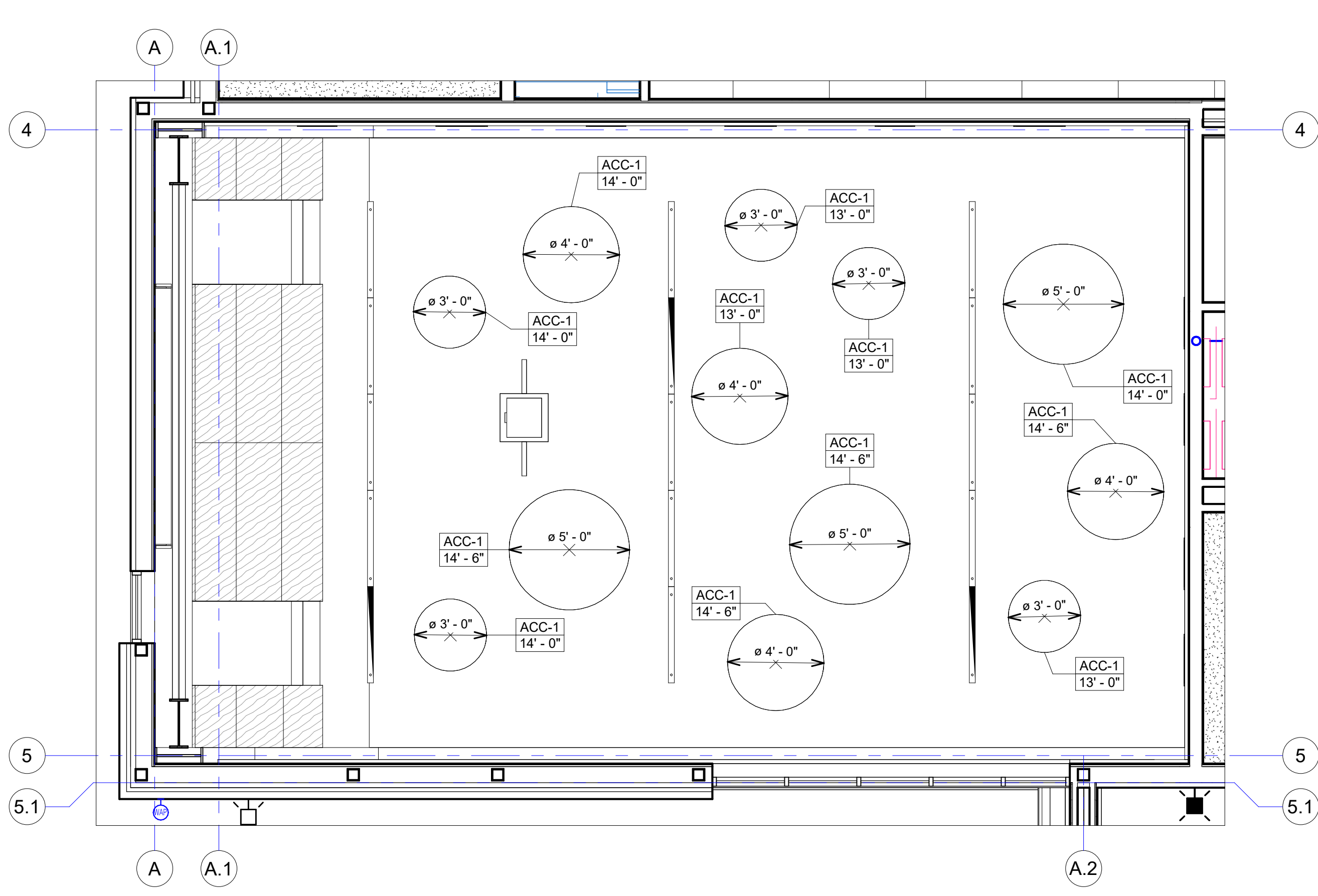
A1 ENLARGED PLAN - COMMUNITY ROOM / EOC  
Scale: 1/4" = 1'-0"



E3 COMMUNITY ROOM / EOC 101 - WEST  
Scale: 1/4" = 1'-0"

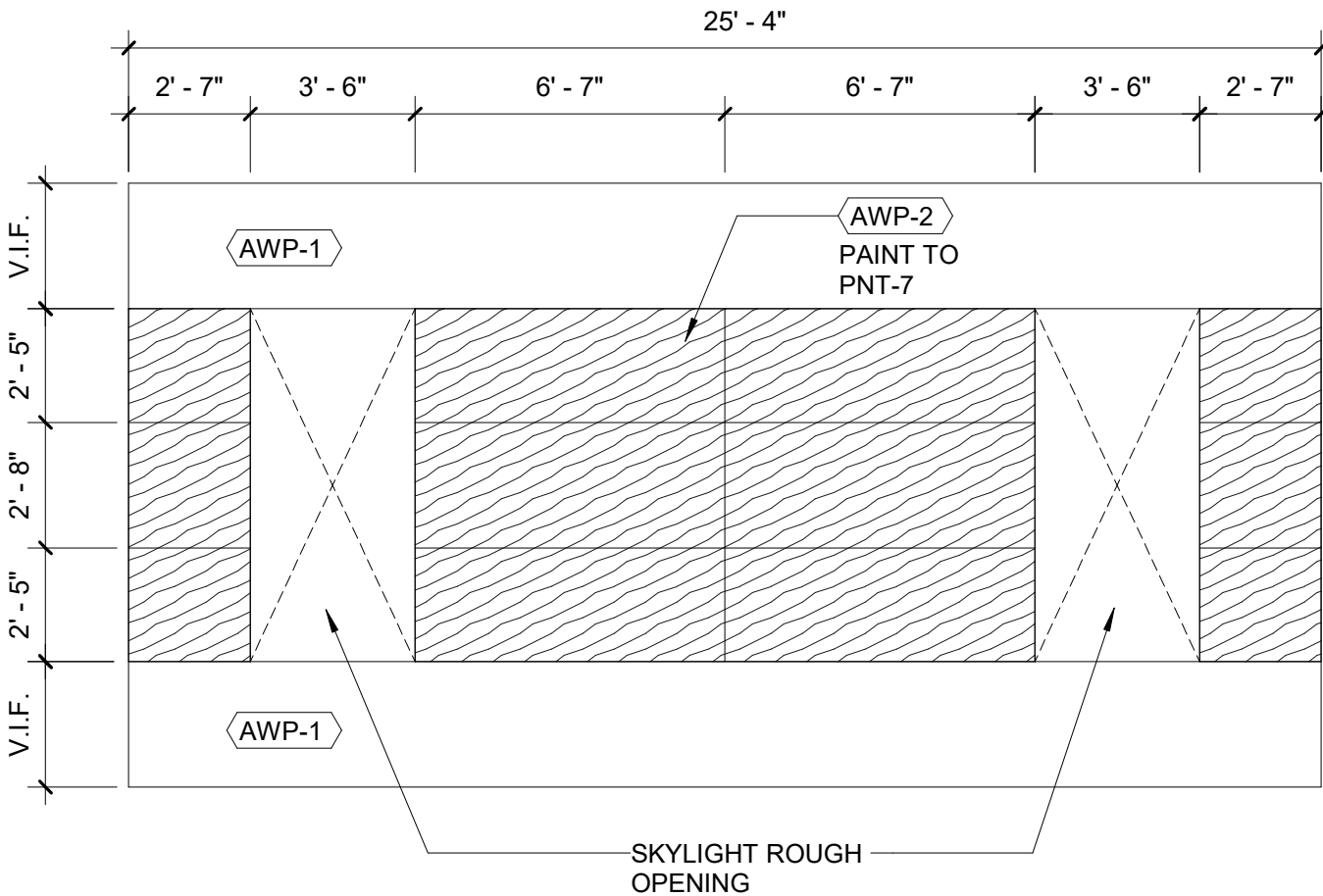


C3 COMMUNITY ROOM / EOC 101 - EAST  
Scale: 1/4" = 1'-0"



A3 ENLARGED REFLECTED CEILING PLAN - COMMUNITY ROOM / EOC  
Scale: 1/4" = 1'-0"

E4 ROOF INTERIOR ELEVATION  
(PARALLEL PROJECTION)  
Scale: 1/4" = 1'-0"



ENLARGED DRAWINGS GENERAL NOTES

1. REFER TO SHEET G-400 FOR TOILET ACCESSORY DESIGNATIONS AND MOUNTING HEIGHTS
2. REFER TO SEE SHEET A-115 FOR FINISH MATERIAL DESIGNATIONS AND DETAILS
3. REFER TO SHEET A-565 FOR GENERAL CASEWORK NOTES
4. REFER TO SHEET A-620 FOR EQUIPMENT DESIGNATIONS AND SCHEDULES
5. SLOPE FINISH FLOOR TO DRAIN 1/8 in / ft. MIN. TO 1/4in./ft. MAX.

ENLARGED PLAN SYMBOL LEGEND

XX TOILET / KITCHEN ACCESSORY TAGS

00 00 00.00 KEYNOTE TAGS

XX-X FINISH TAGS

XX-X EQUIPMENT TAGS, REFER TO EQUIPMENT SCHEDULE, SHEET A-701

CEILING PLAN LEGEND

APC-1 SUSPENDED ACOUSTICAL PANEL CEILING 2'x4' GRID

OTS OPEN TO STRUCTURE

GYP-1 GYPSUM BOARD CEILING (GYP-1)

SMC-1 SECURITY METAL CEILING

WPC-1 WOOD PANEL CEILING

WPC-2 WOOD SLAT CEILING

ACC-1 ACOUSTICAL CEILING CLOUD

ANNOTATION

XXX CEILING TYPE

X-X' CEILING HEIGHT

SUSPENDED OPEN GRID CEILING SYSTEM

DROP IN RESIN PANEL ON SUSPENDED OPEN GRID CEILING SYSTEM

CJ CONTROL JOINT

OTS OPEN TO STRUCTURE

EDGE OF ROOF ABOVE

LIGHT FIXTURE

RECESSED LIGHT FIXTURE

SUSPENDED LINEAR LIGHT FIXTURE

SURFACE MOUNTED LIGHT FIXTURE

EXT. WALL MOUNTED LIGHT FIXTURE

RECESSED LIGHT FIXTURE

WALL MOUNTED PROJECTOR

CEILING ACCESS PANEL REF.

LIFE SAFETY

EM EMERGENCY LIGHT

ILLUMINATED EXIT SIGN WITH UL 924

DAYLIGHT SENSOR

SPEAKER

FIRE ALARM

HEAT DETECTOR

SMOKE DETECTOR

SPRINKLER HEAD

OCCUPANCY SENSOR

HORN/STROBE DEVICE

SPEAKER/STROBE

STROBE

WALL MOUNTED LIGHT FIXTURE (EMERGENCY)

CEILING MOUNTED LIGHT FIXTURE (EMERGENCY)

CEILING MOUNTED EXIT SIGN

MECHANICAL

SUPPLY DIFFUSER

RETURN DIFFUSER

EXHAUST AIR DEVICE

LINEAR SLOT DIFFUSER

EXPOSED DUCTWORK

NOTE: FOR MEP DEVICES, REFER TO MEP DRAWINGS.

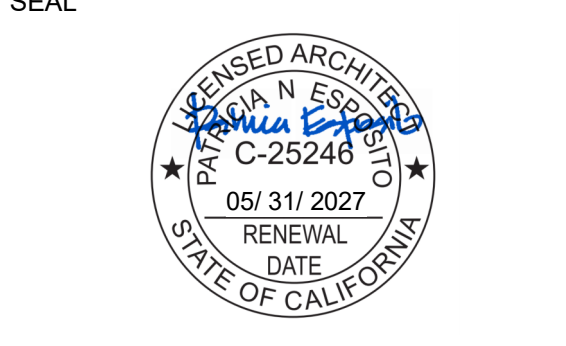
KEYNOTES PER SHEET	
NOTE	DESCRIPTION
11 52 13	PROJECTION SCREENS
23 37 13.01	18"x12" FACE HOSTED LOUVERED SUPPLY GRILLE. REF. MECHANICAL DWGS
23 37 13.02	24"x12" FACE HOSTED LOUVERED SUPPLY GRILLE. REF. MECHANICAL DWGS
23 37 13.03	24"x12" FACE HOSTED LOUVERED RETURN GRILLE. REF. MECHANICAL DWGS
26 51 19.03	SUSPENDED LINEAR LIGHT FIXTURES. REF. ELECTRICAL DWGS
26 51 19.04	WALL MOUNTED INTERIOR LIGHT FIXTURES. REF. ELECTRICAL DWGS

\* NUMBER AND SIZE OF ACOUSTIC WALL PANELS (ACP) AND ACOUSTIC DROP CEILINGS (ACC) MAY VARY AFTER BID AWARD.



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT  
402 Mast Avenue  
McFarland, CA 93250  
100% CONSTRUCTION DOCUMENT



KEY PLAN

SCALE

REVISIONS		
NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025

TITLE

ENLARGED PLANS AND ELEVATIONS

PROJECT NO. 50184767

A-407

SHEET NO.



SEAL



KEY PLAN

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DRAWN BY JQ  
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TITLE

TYPICAL  
EXTERIOR  
ASSEMBLIES

PROJECT NO. 50184767

A-501

SHEET NO.

2.5" STANDING SEAM IMP SYSTEM  
CLIP SEALANT  
PANEL CLIP @ EACH PANEL  
SIDELAP  
1/4" HWH FASTENERS  
8" HORIZONTAL Z-GIRT PER  
PEMB MANUFACTURER  
VERTICAL 7/8" HAT CHANNEL  
@16" O.C. ATTACH TO Z-GIRT  
5/8" GYPSUM BOARD

NOTE: REFER TO PARTITION  
PLAN FOR INTERIOR  
FURRED WALL LOCATIONS  
AND WALL TYPES

EW-1C

E6 EW-1 IMP WALL ASSEMBLY 1C  
Scale: 3" = 1'-0"

2" AIR SPACE  
STANDARD BRICK VENEER BK-1  
BACKUP WALL SYSTEM MASONRY JOINT  
CLIP & PINTLE FASTENED @ EACH  
SUPPORT HORIZONTALLY (16" TO 24" O.C.)  
2.5" IMP HORIZONTAL BACKUP WALL  
SYSTEM  
8" VERTICAL COLD FORMED  
METAL FRAMING  
VERTICAL 7/8" HAT CHANNEL @  
16" O.C. ATTACH TO Z-GIRT  
5/8" GYPSUM BOARD  
BACKUP WALL SYSTEM MASONRY FACE  
CLIP & PINTLE FASTENED @ EACH  
SUPPORT HORIZONTALLY (16" TO 24" O.C.)

NOTE: REFER TO PARTITION  
PLAN FOR INTERIOR  
FURRED WALL LOCATIONS  
AND WALL TYPES

EW-1B

C5 EW-1 IMP WALL ASSEMBLY 1B  
Scale: 3" = 1'-0"

1/2" THIN BRICK - BK-2  
REFER TO EXTERIOR  
ELEVATIONS AND FINISH  
FLOOR PLAN FOR  
ADDITIONAL INFORMATION  
THIN SET  
5/8" GLASSMAT SHEATHING  
18 GA. HORIZ. Z-GIRT @ 16"  
O.C. HORI. ATTACH TO MTL  
STUD WITH #10 S.M.S.  
HSS PER STRUCTURAL

NOTE: REFER TO PARTITION  
PLAN FOR INTERIOR  
FURRED WALL LOCATIONS  
AND WALL TYPES

EW-2

A4 EW-2 BRICK VENEER  
ON METAL STUD WALL ASSEMBLY  
Scale: 3" = 1'-0"

2.5" VERTICAL IMP SYSTEM  
14 GA. CLIP PER IMP  
MANUFACTURER  
1/4" HWH FASTENER PER IMP  
MANUFACTURER  
8" HORIZONTAL Z-GIRT PER  
PEMB MANUFACTURER  
VERTICAL 7/8" HAT CHANNEL  
@16" O.C. ATTACH TO Z-GIRT  
5/8" GYPSUM BOARD

NOTE: REFER TO PARTITION  
PLAN FOR INTERIOR  
FURRED WALL LOCATIONS  
AND WALL TYPES

EW-1A

A5 EW-1 IMP WALL ASSEMBLY 1A  
Scale: 3" = 1'-0"

8" FULLY GROUTED CMU  
BLOCKS, CMU-1

EW-5

C1 EW-5 EXPOSED CMU ASSEMBLY  
Scale: 3" = 1'-0"

1/2" THIN BRICK - BK-2  
REFER TO EXTERIOR  
ELEVATIONS AND FINISH  
FLOOR PLAN FOR  
ADDITIONAL INFORMATION  
THIN-SET ADHESIVE  
5/8" GLASS MAT  
2" RIGID INSULATION  
18 GA. VERT. Z-GIRT @ 16"  
O.C. HORIZ. ATTACH TO  
CMU BLOCK WITH MASONRY  
SCREW ANCHOR  
FLUID APPLIED VAPOR NON-  
PERMEABLE AIR BARRIER  
8" FULLY GROUTED CMU  
BLOCKS

NOTE: REFER TO PARTITION  
PLAN FOR INTERIOR  
FURRED WALL LOCATIONS  
AND WALL TYPES

EW-4

A1 EW-4 THIN BRICK VENEER ON CMU WALL ASSEMBLY  
Scale: 3" = 1'-0"

1" METAL REVEAL WALL  
PANELS WITH VERTICAL  
REVEAL @ 1 1/2" O.C.  
5/8" GLASS MAT  
2" RIGID INSULATION  
VERTICAL Z-GIRT @ 16" O.C.  
ATTACH TO CMU BLOCK WITH  
MASONRY SCREW ANCHOR  
FLUID APPLIED VAPOR  
NON-PERMEABLE AIR BARRIER  
10" FULLY GROUTED CMU  
BLOCKS

NOTE: REFER TO PARTITION  
PLAN FOR INTERIOR  
FURRED WALL LOCATIONS  
AND WALL TYPES

EW-3A

EW-3B

STANDING SEAM METAL PANEL IN LIEU OF 1"  
REVEAL METAL PANEL

A2 EW-3 METAL PANEL WALL ASSEMBLY  
Scale: 3" = 1'-0"



SEAL



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SCALE

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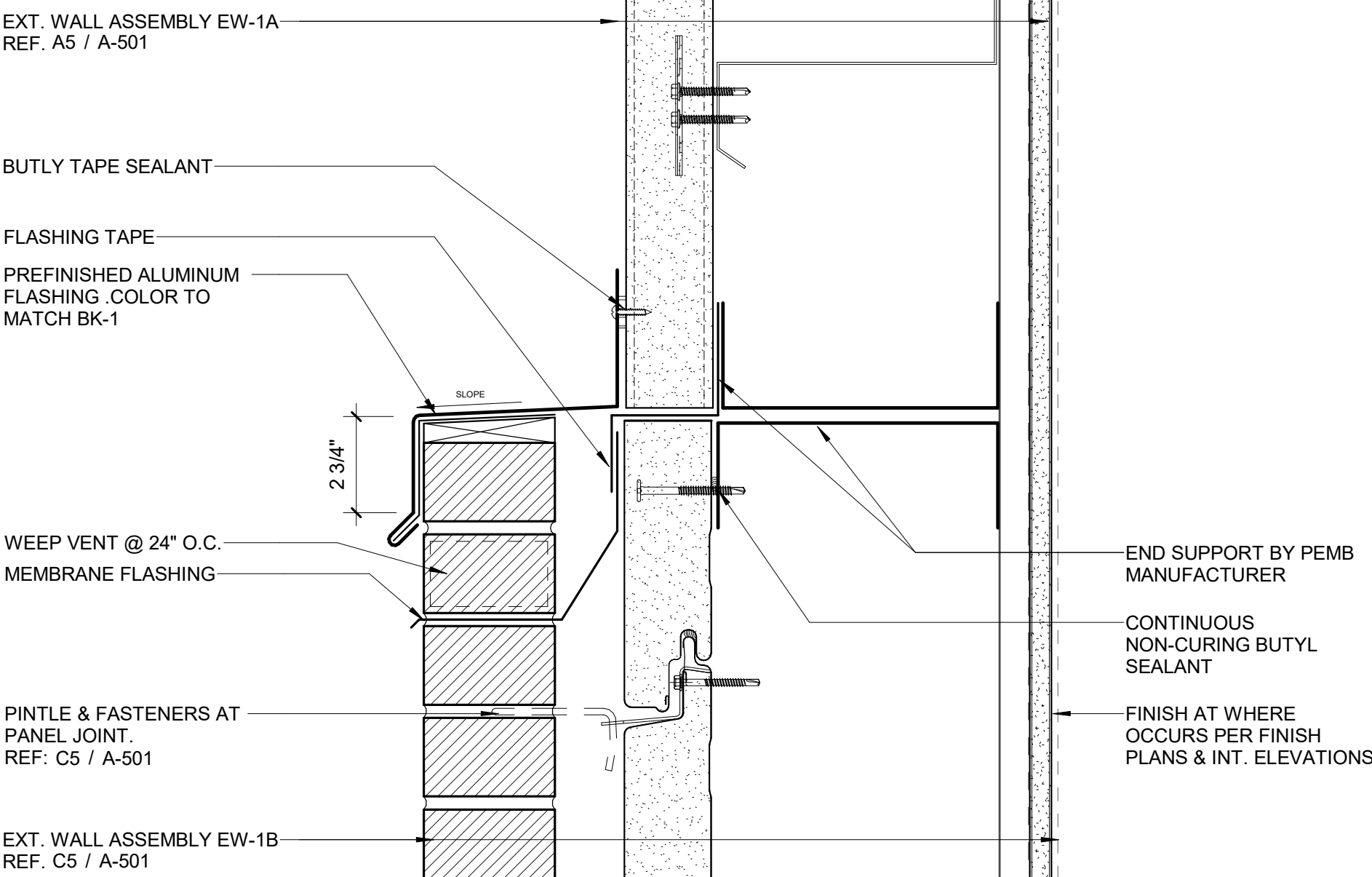
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EXTERIOR WALL  
DETAILS

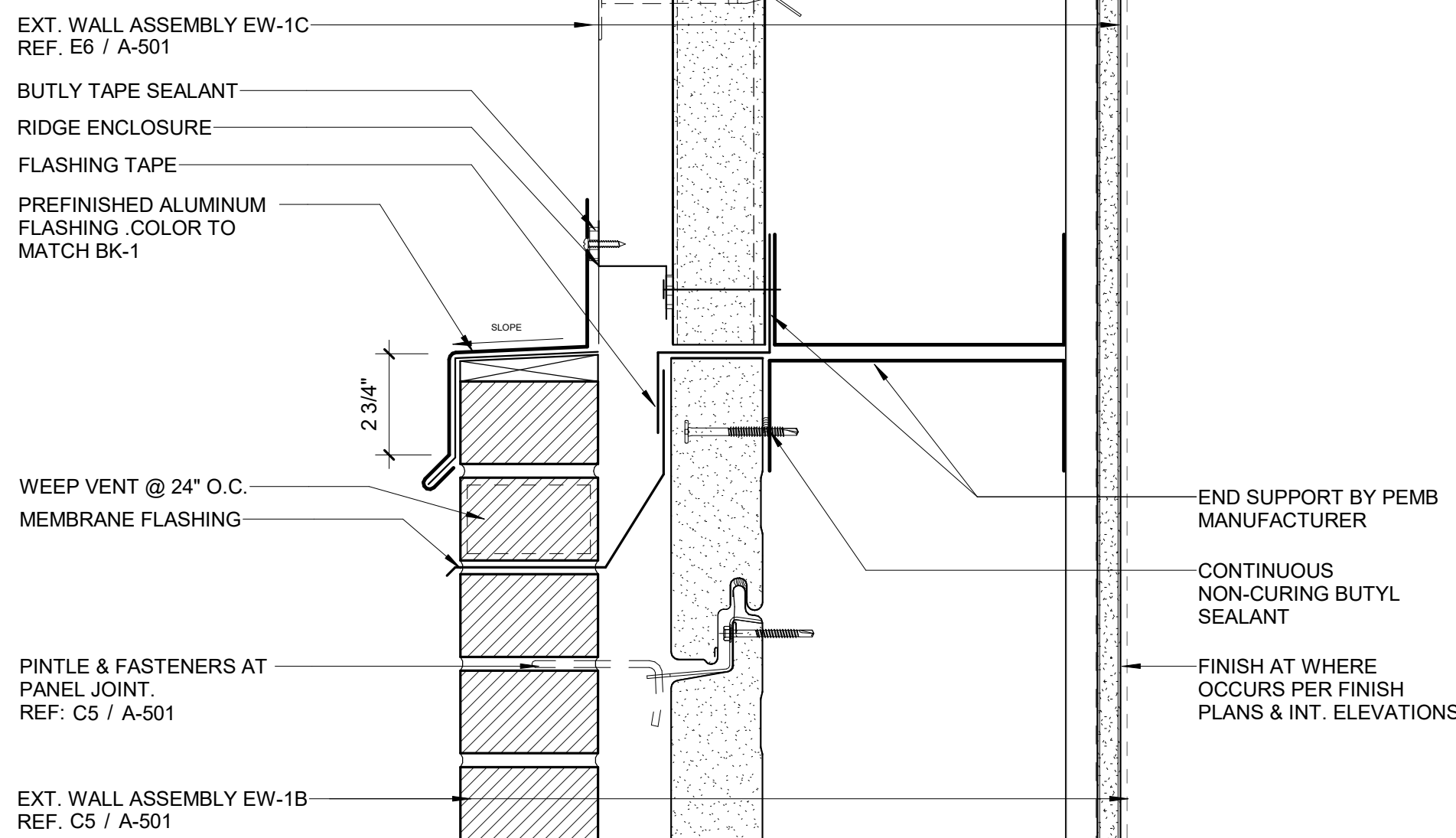
PROJECT NO. 50184767

A-502

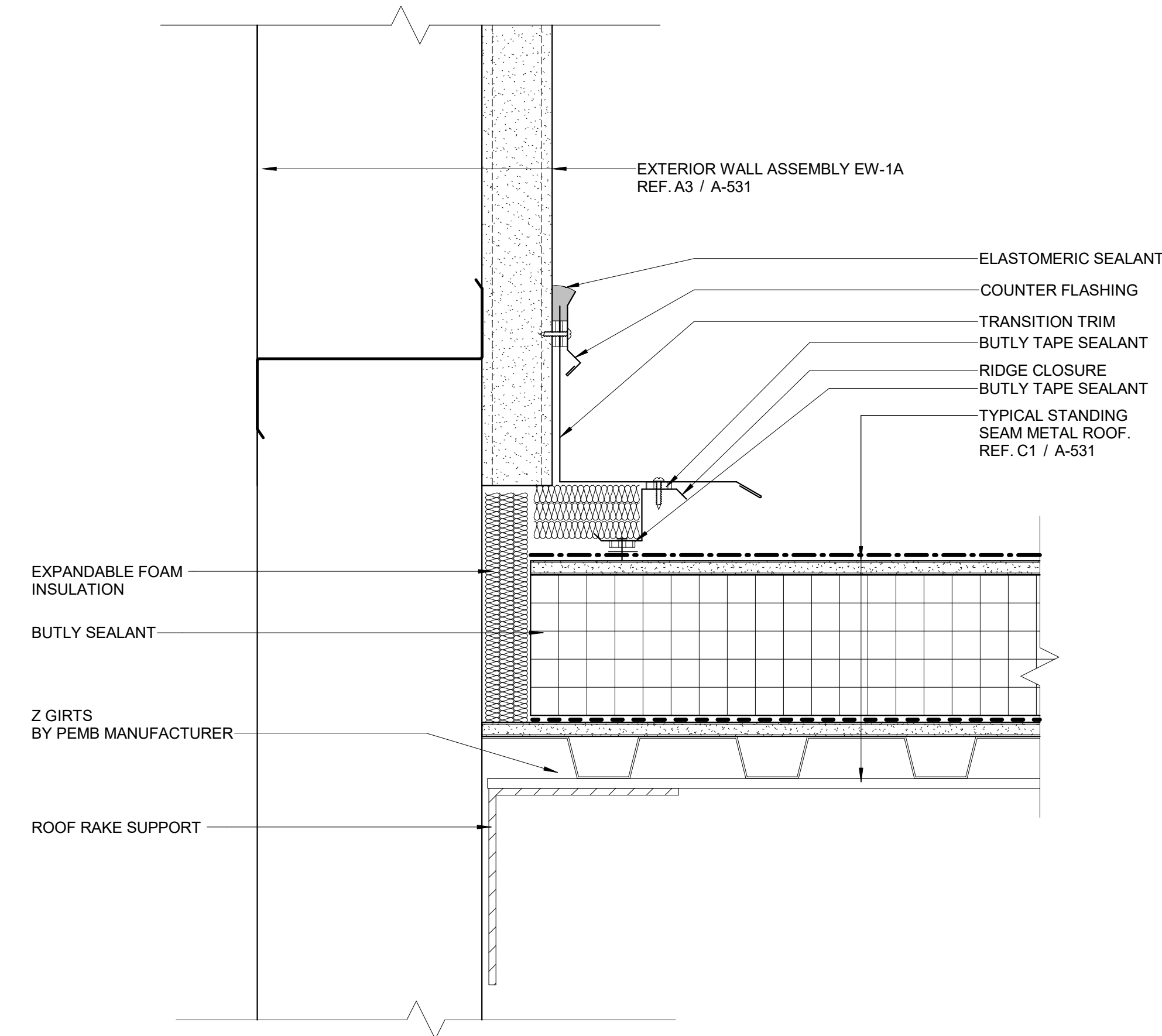
SHEET NO.



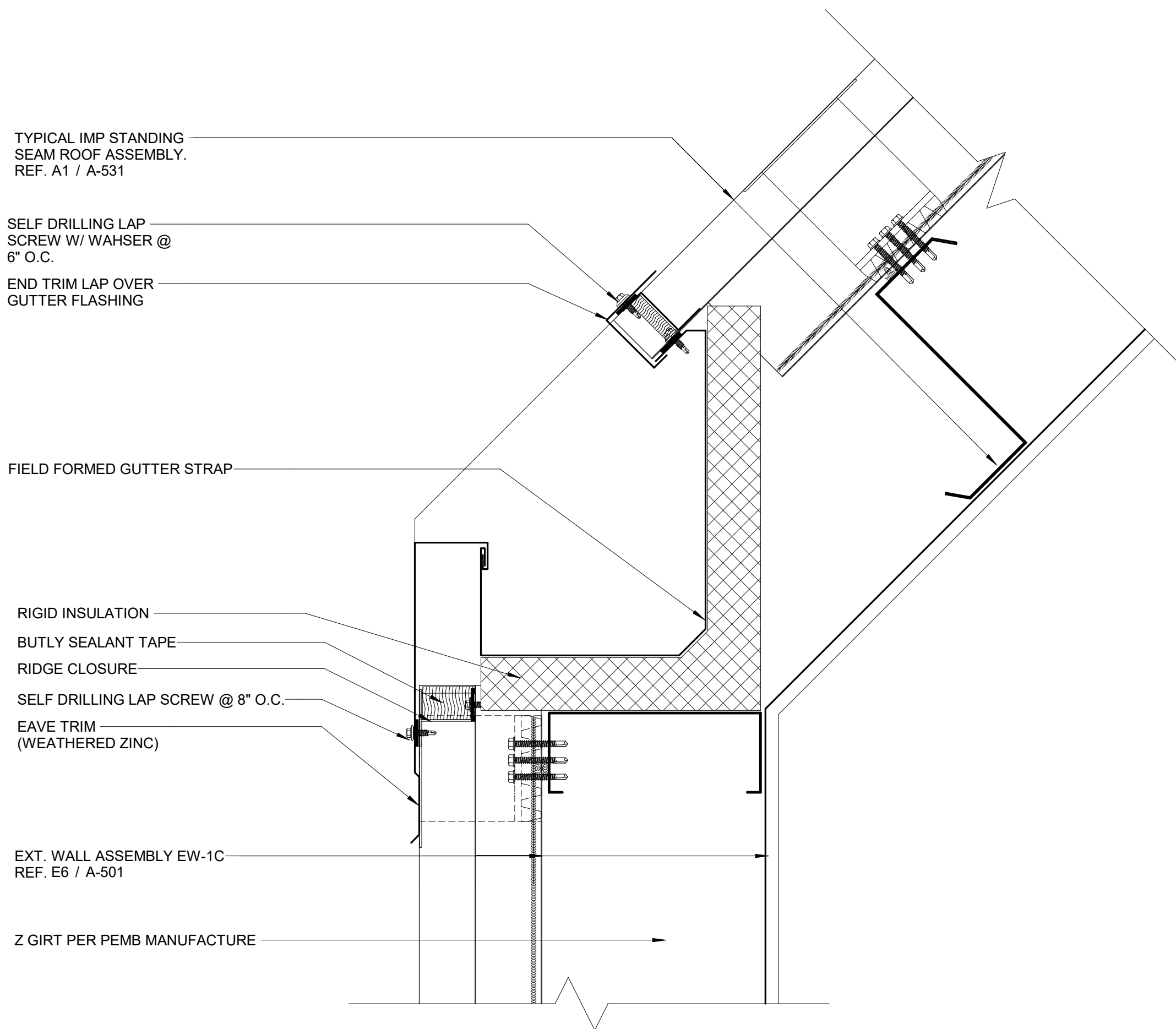
D1 BRICK TRANSITION DETAIL @ EW-1A & EW-1B  
Scale: 3" = 1'-0"



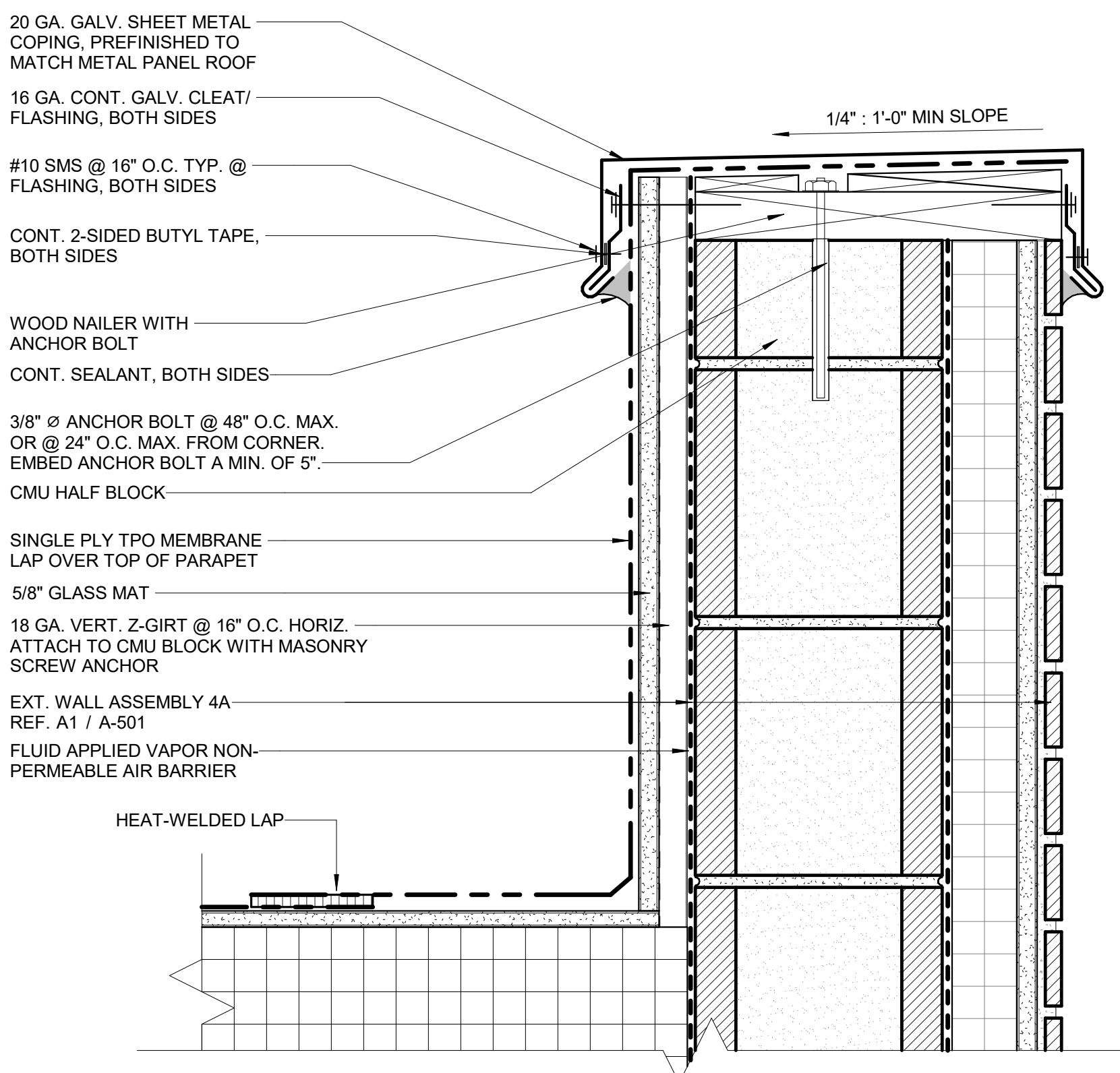
D2 BRICK TRANSITION DETAIL @ EW-1C & EW-1B  
Scale: 3" = 1'-0"



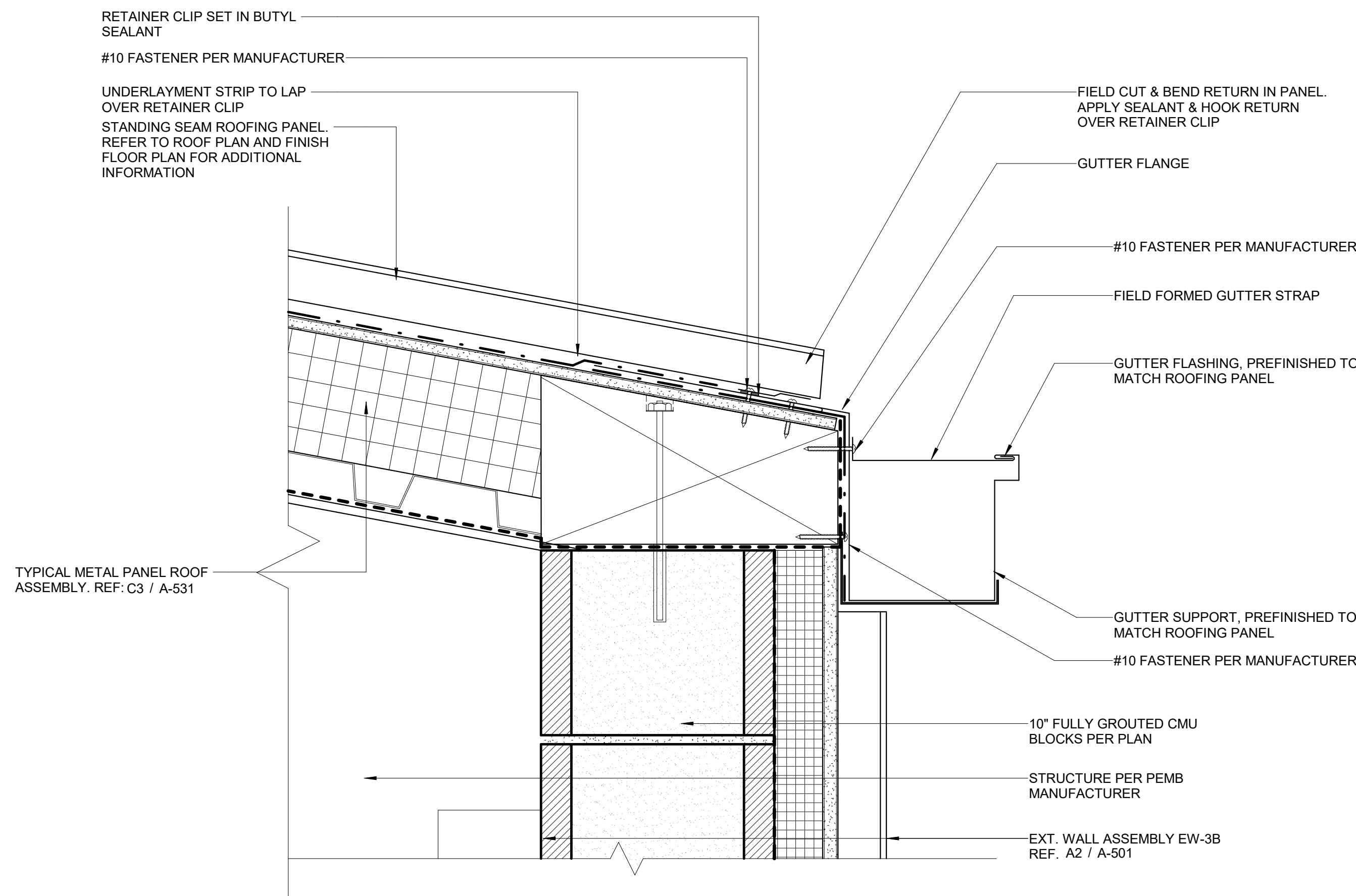
D4 IMP WALL TRANSITION TO ROOF  
Scale: 3" = 1'-0"



A1 TYPICAL METAL WALL & ROOF DETAIL  
Scale: 3" = 1'-0"



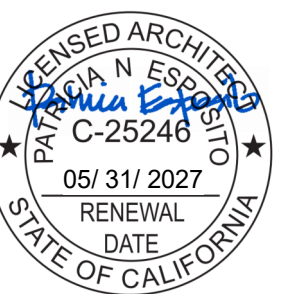
A3 BRICK VENEER WALL PARAPET DETAIL  
Scale: 3" = 1'-0"



A4 GUTTER @ METAL PANEL ROOF  
Scale: 3" = 1'-0"



SEAL



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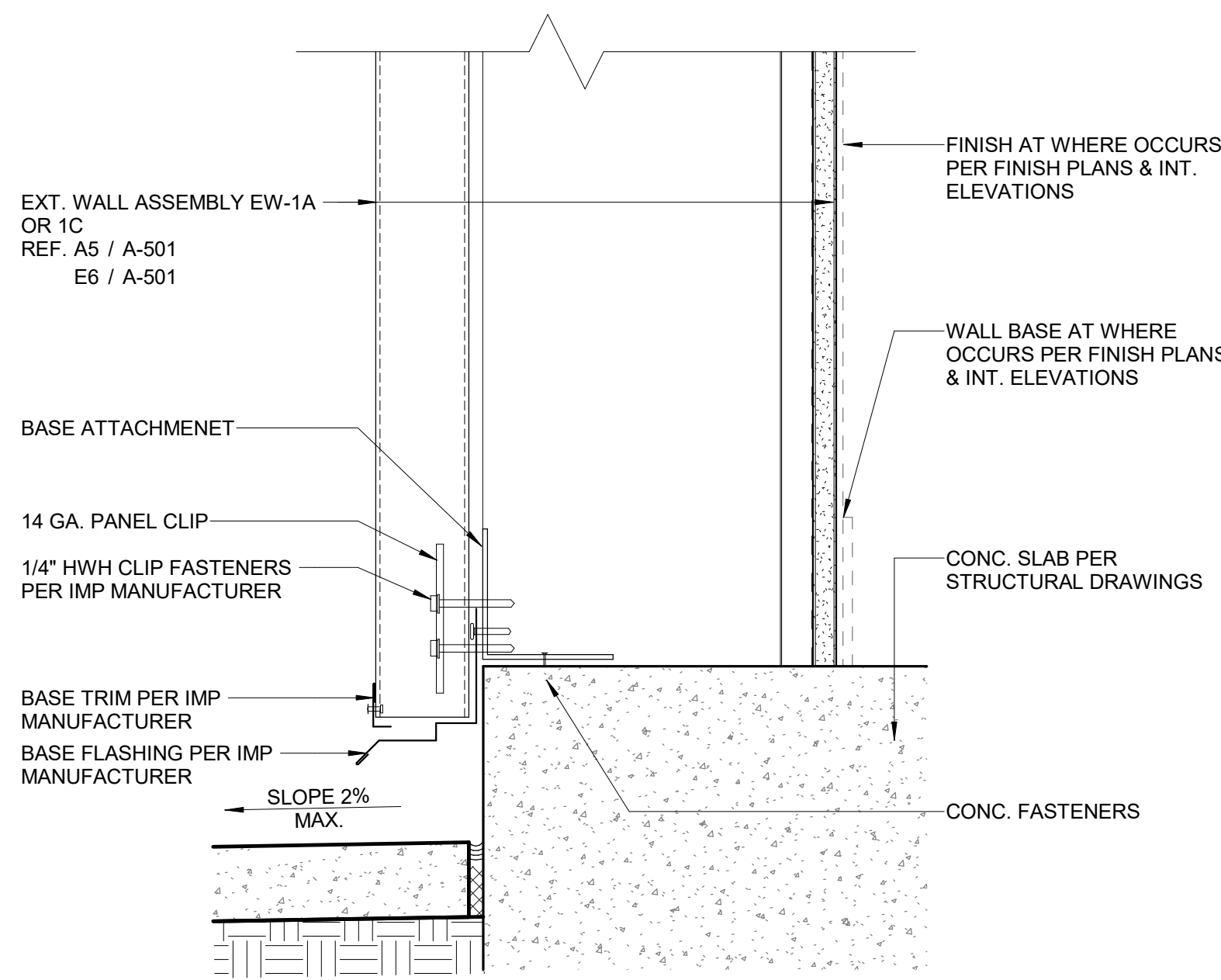
EXTERIOR WALL  
DETAILS

PROJECT NO. 50184767

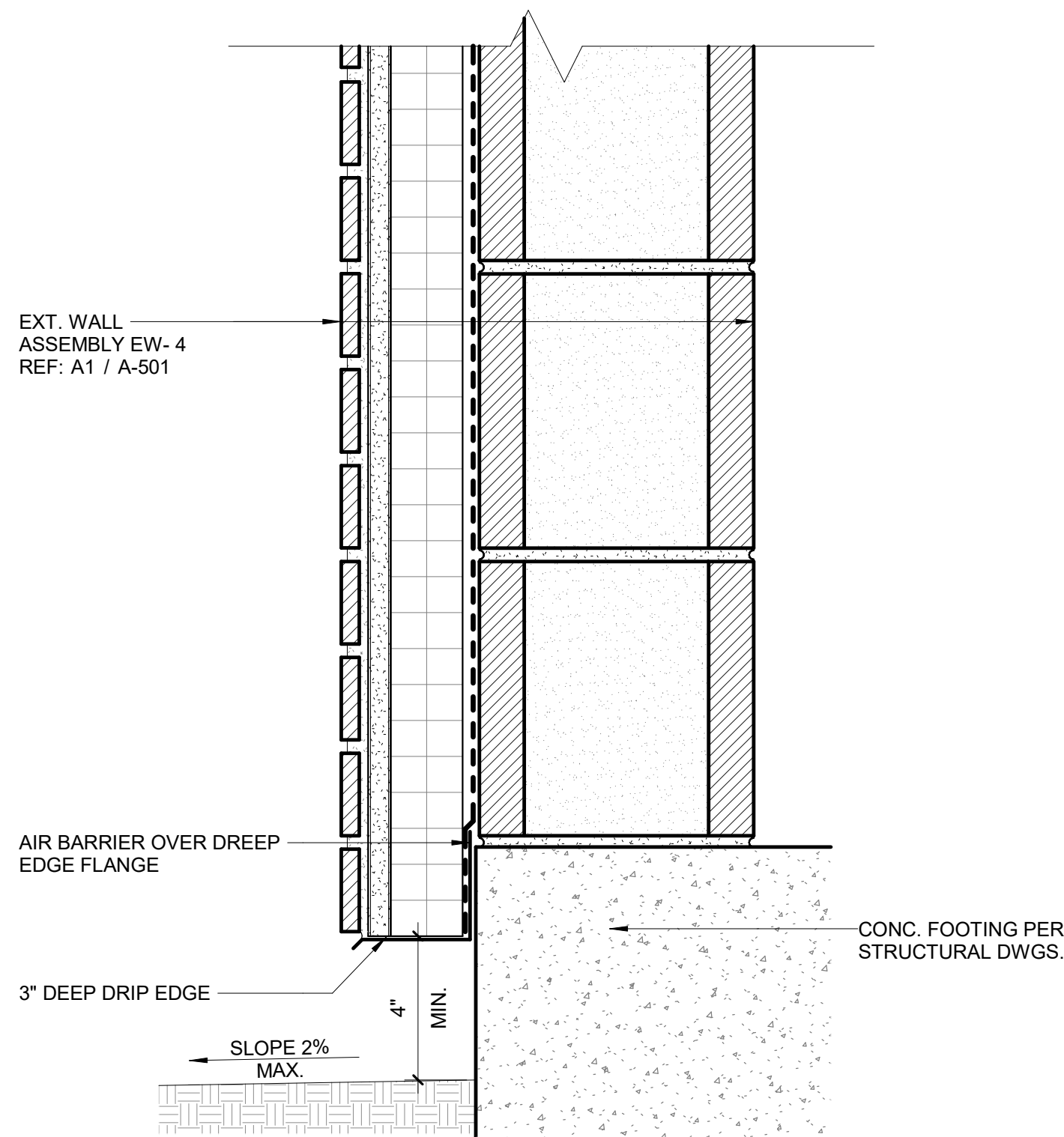
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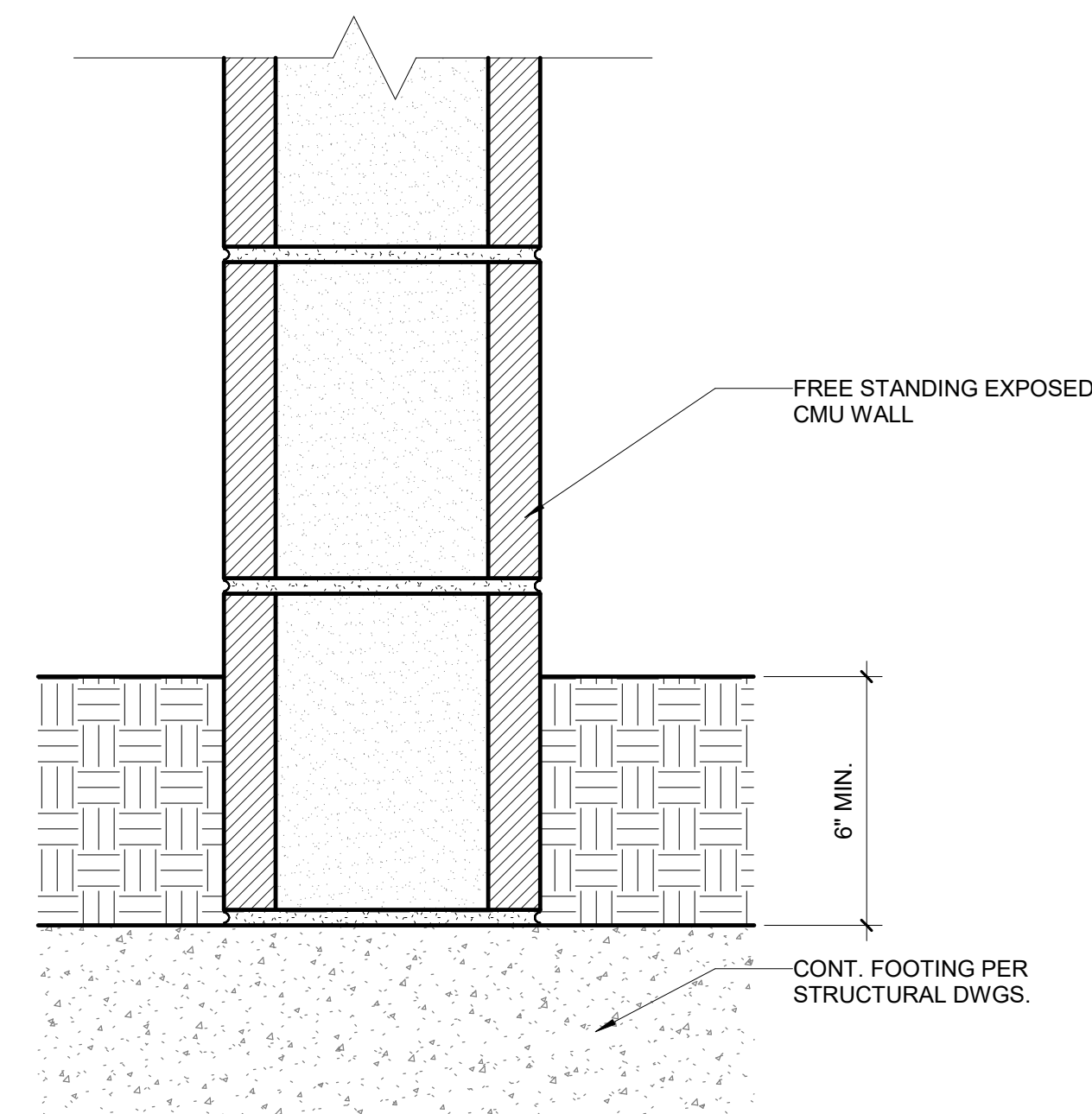
E1 INSULATED METAL PANEL WALL BASE DETAIL  
Scale: 3" = 1'-0"



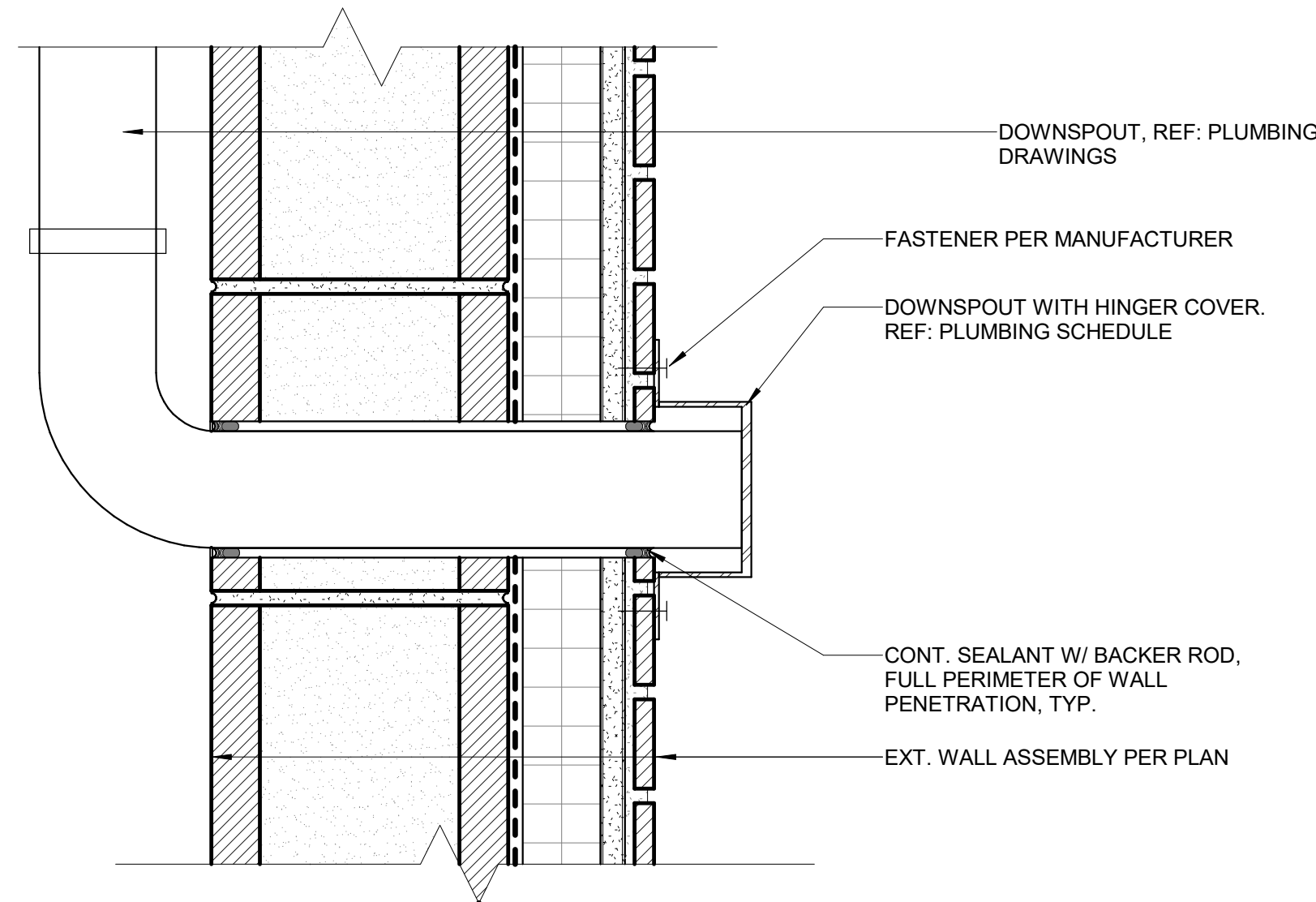
E3 THIN BRICK WALL BASE DETAIL  
Scale: 3" = 1'-0"



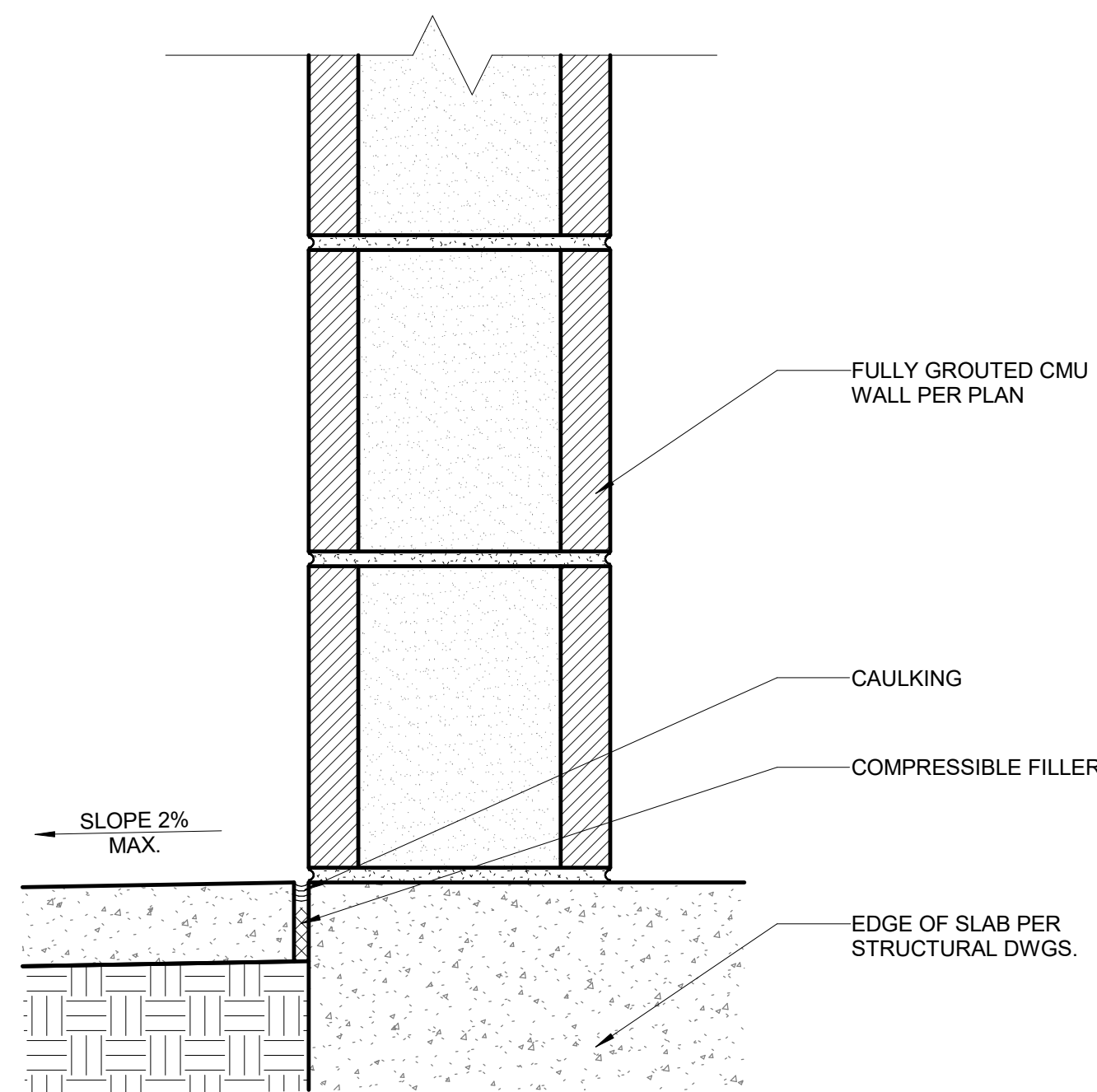
E4 FREE STANDING CMU WALL BASE DETAIL  
Scale: 3" = 1'-0"



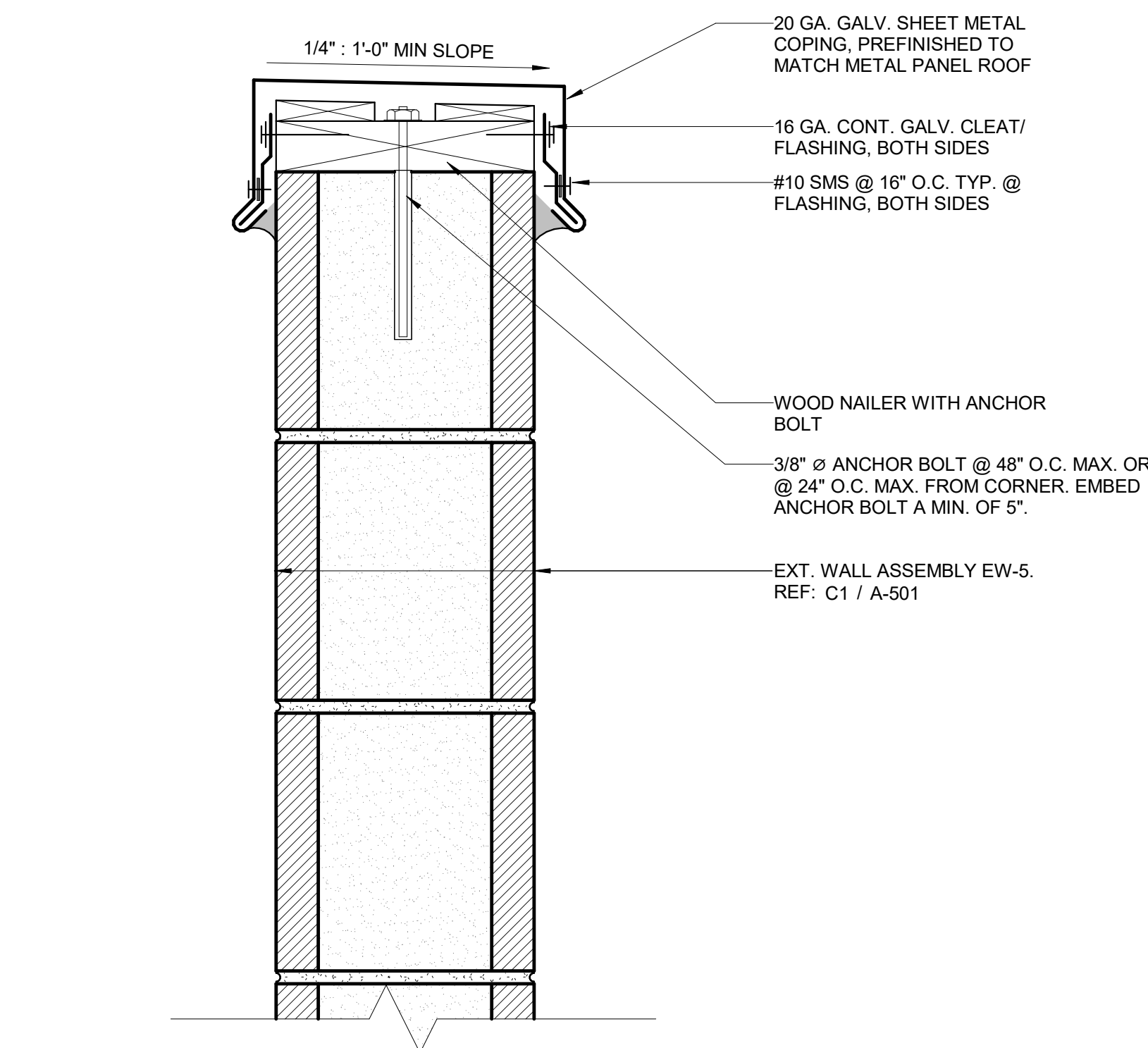
C1 DOWNSPOUT COVER AT WALL  
Scale: 3" = 1'-0"



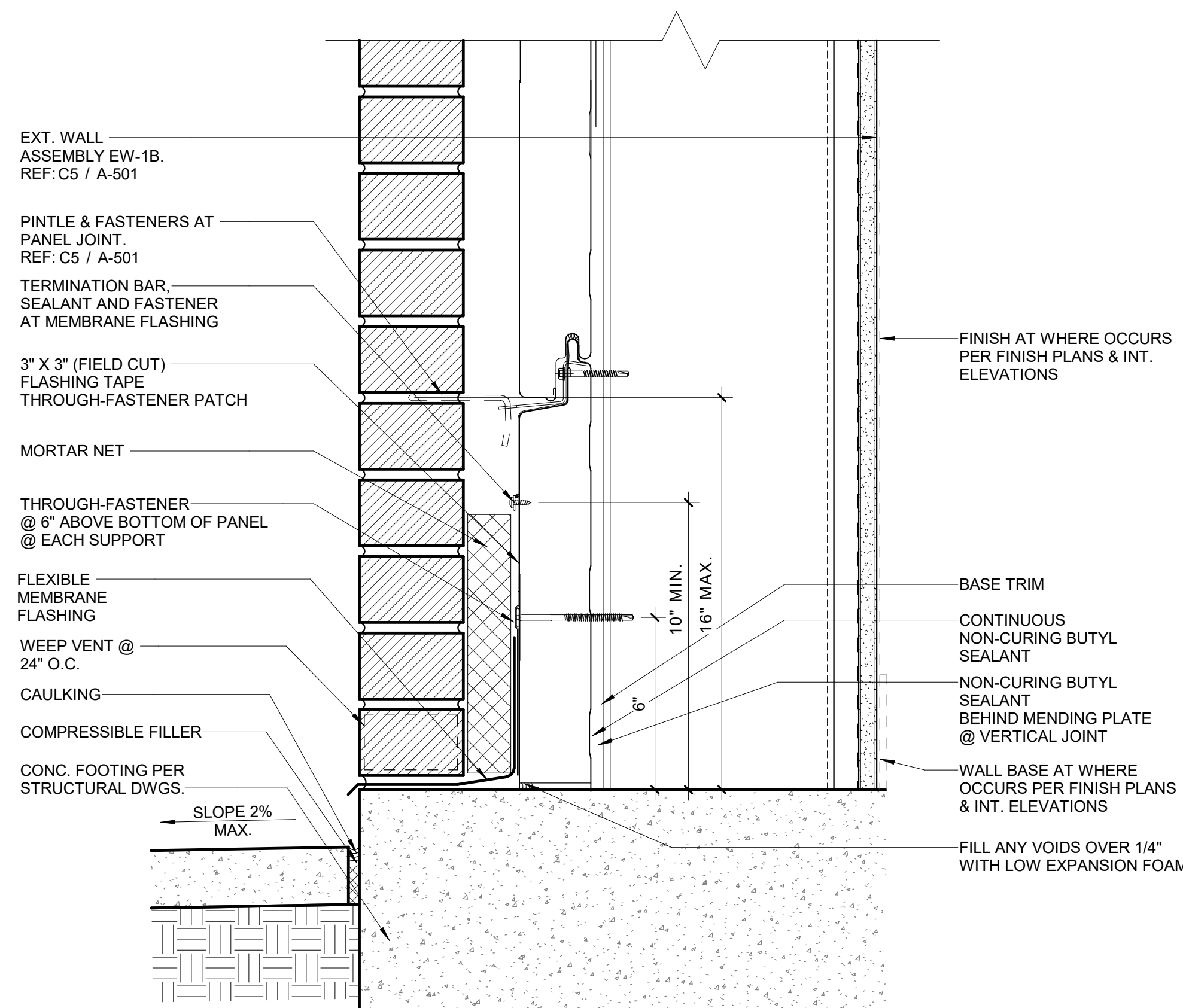
C3 CMU WALL BASE DETAIL  
Scale: 3" = 1'-0"



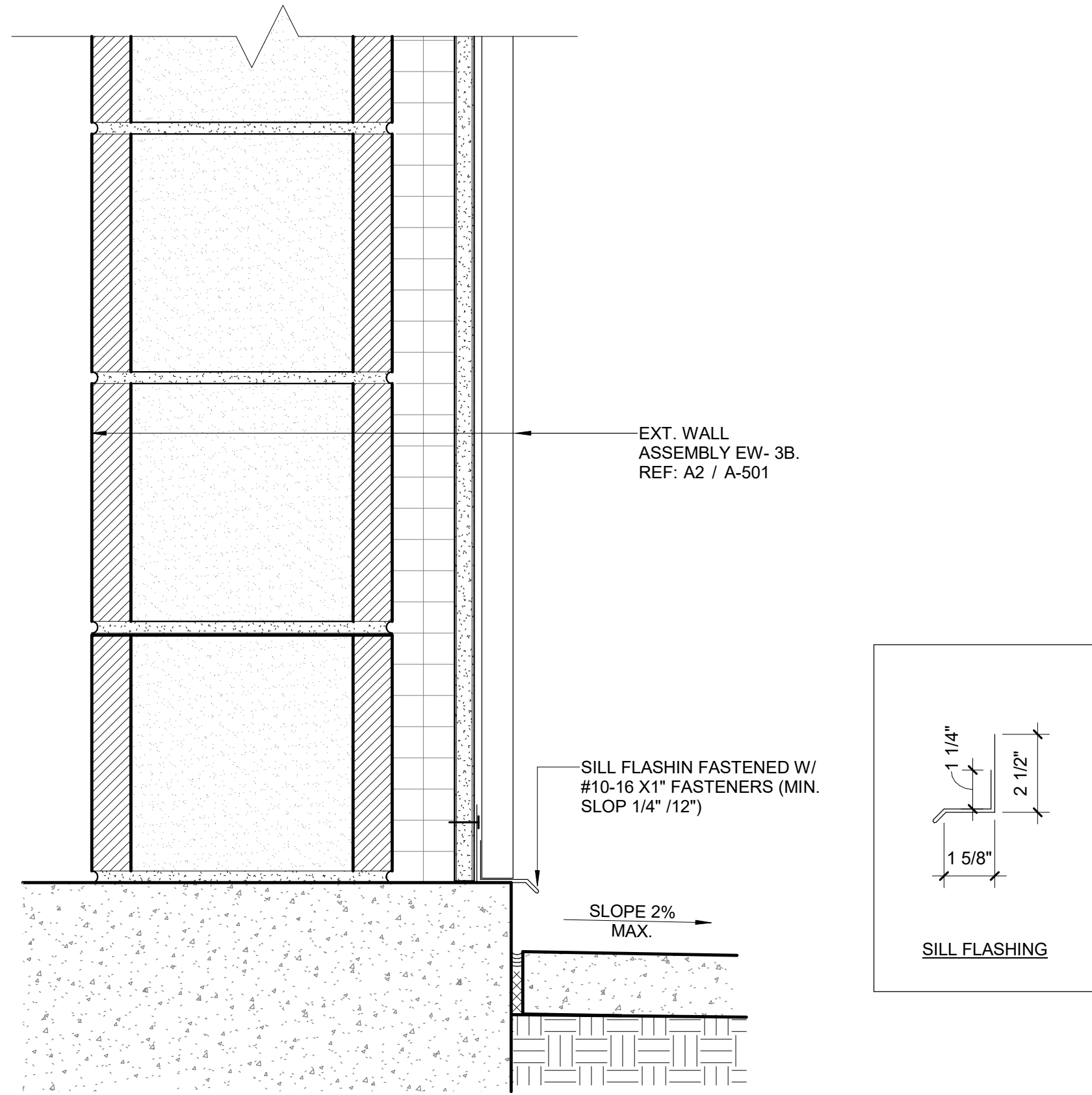
B4 FREE STANDING CMU WALL PARAPET DETAIL  
Scale: 3" = 1'-0"



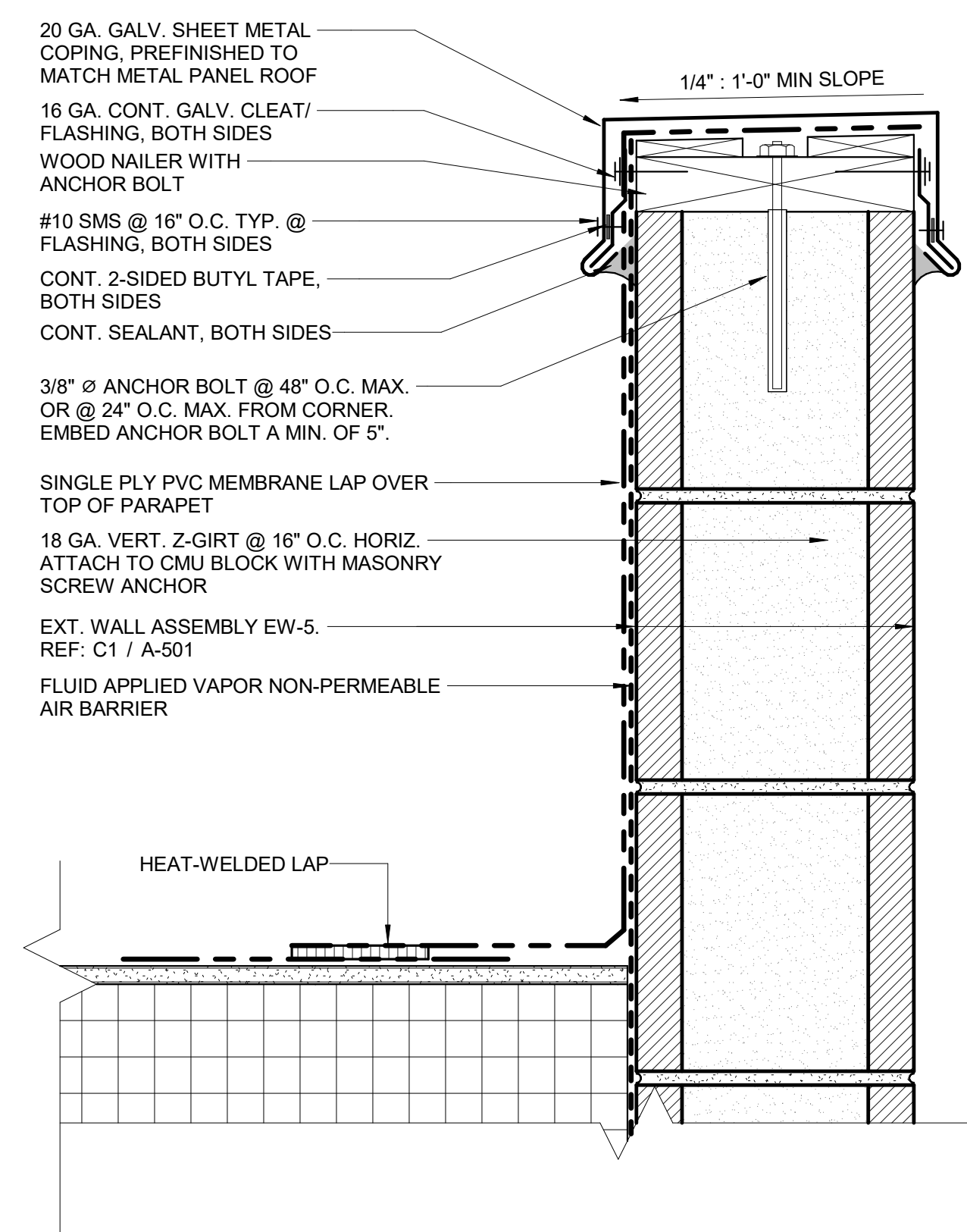
A1 TYPICAL BRICK VENEER WALL BASE DETAIL  
Scale: 3" = 1'-0"



A3 METAL PANEL WALL BASE DETAIL  
Scale: 3" = 1'-0"



A4 CMU WALL PARAPET DETAIL  
Scale: 3" = 1'-0"





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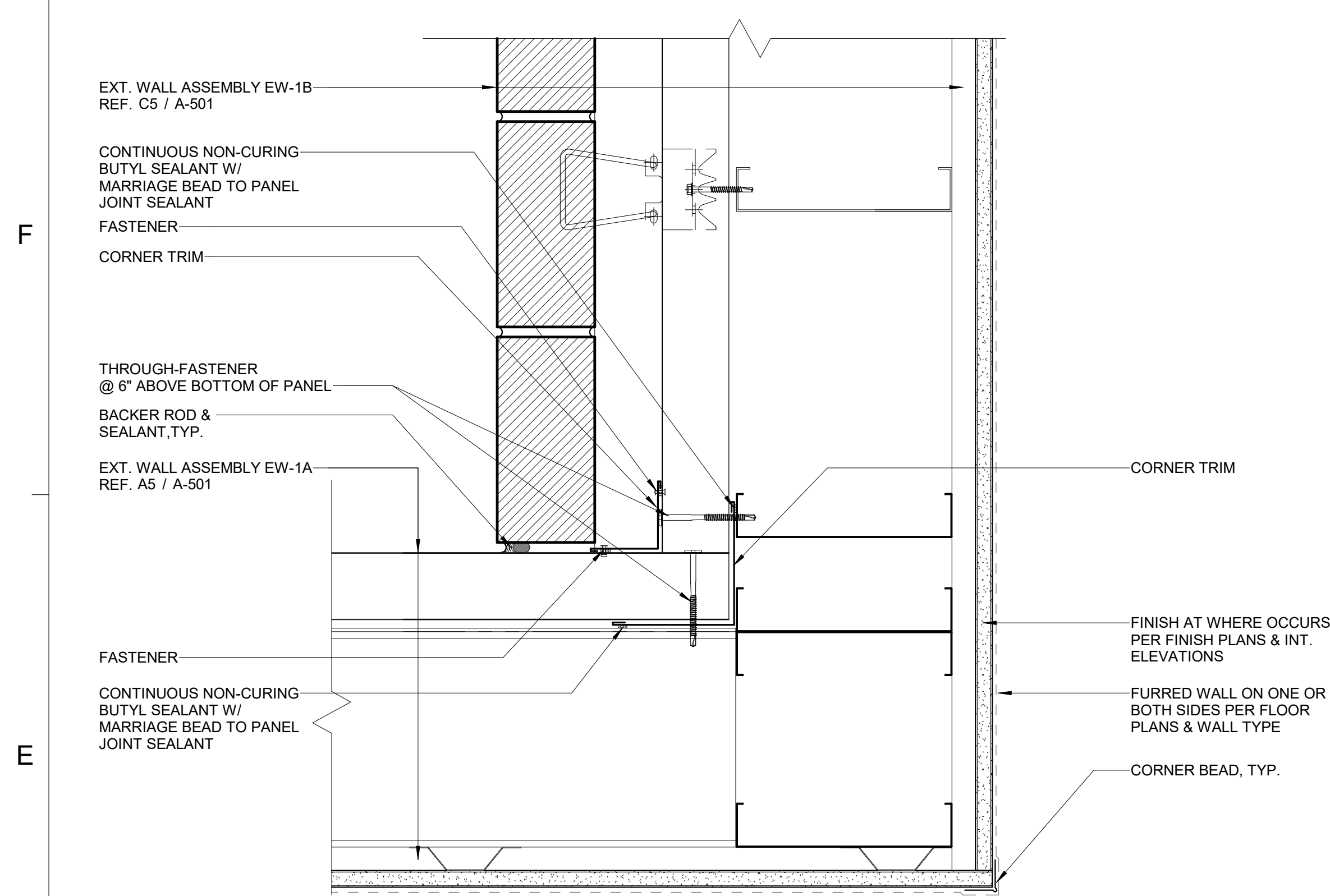
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EXTERIOR WALL  
PLAN DETAILS

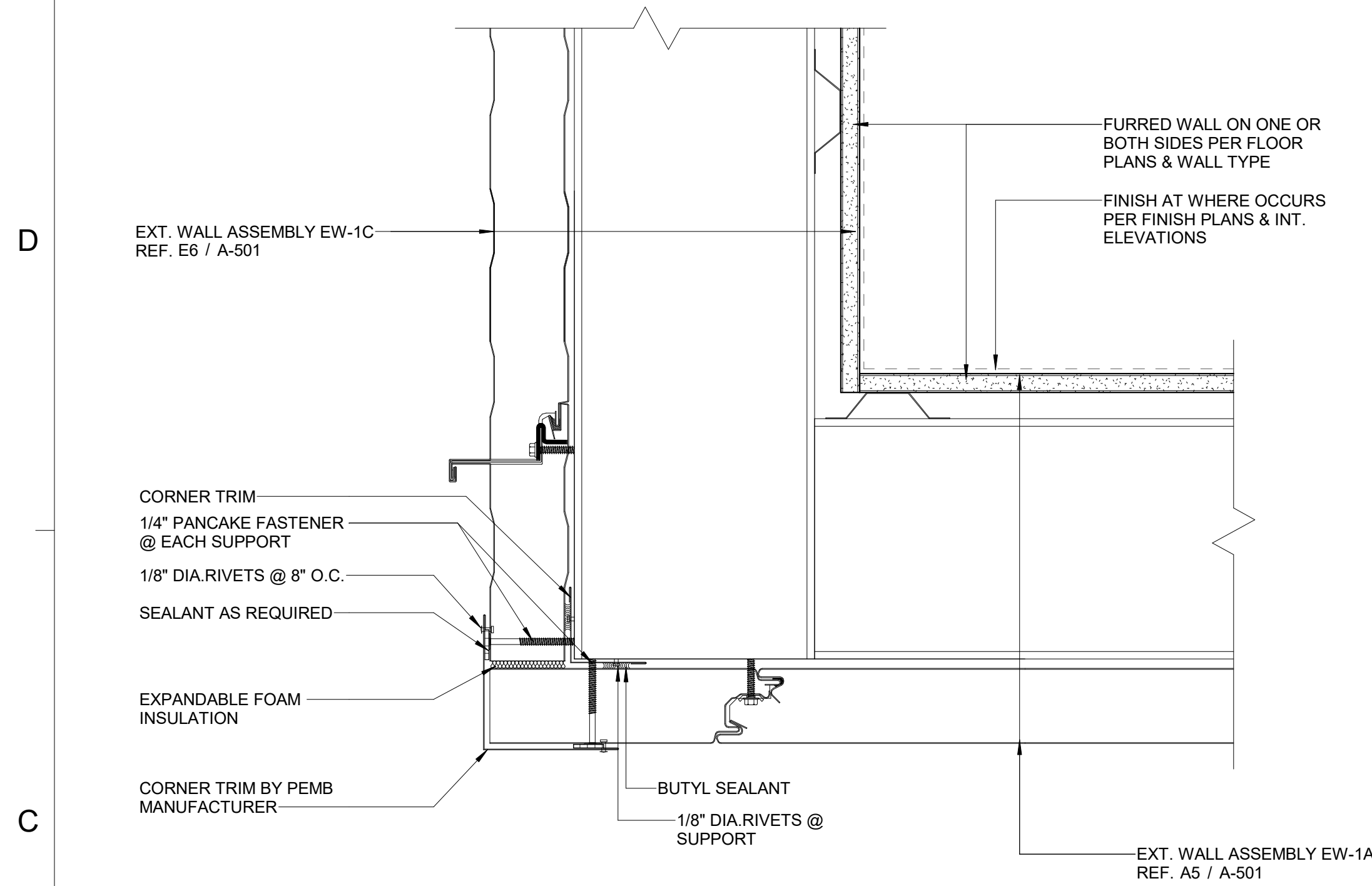
PROJECT NO. 50184767

SHEET NO.

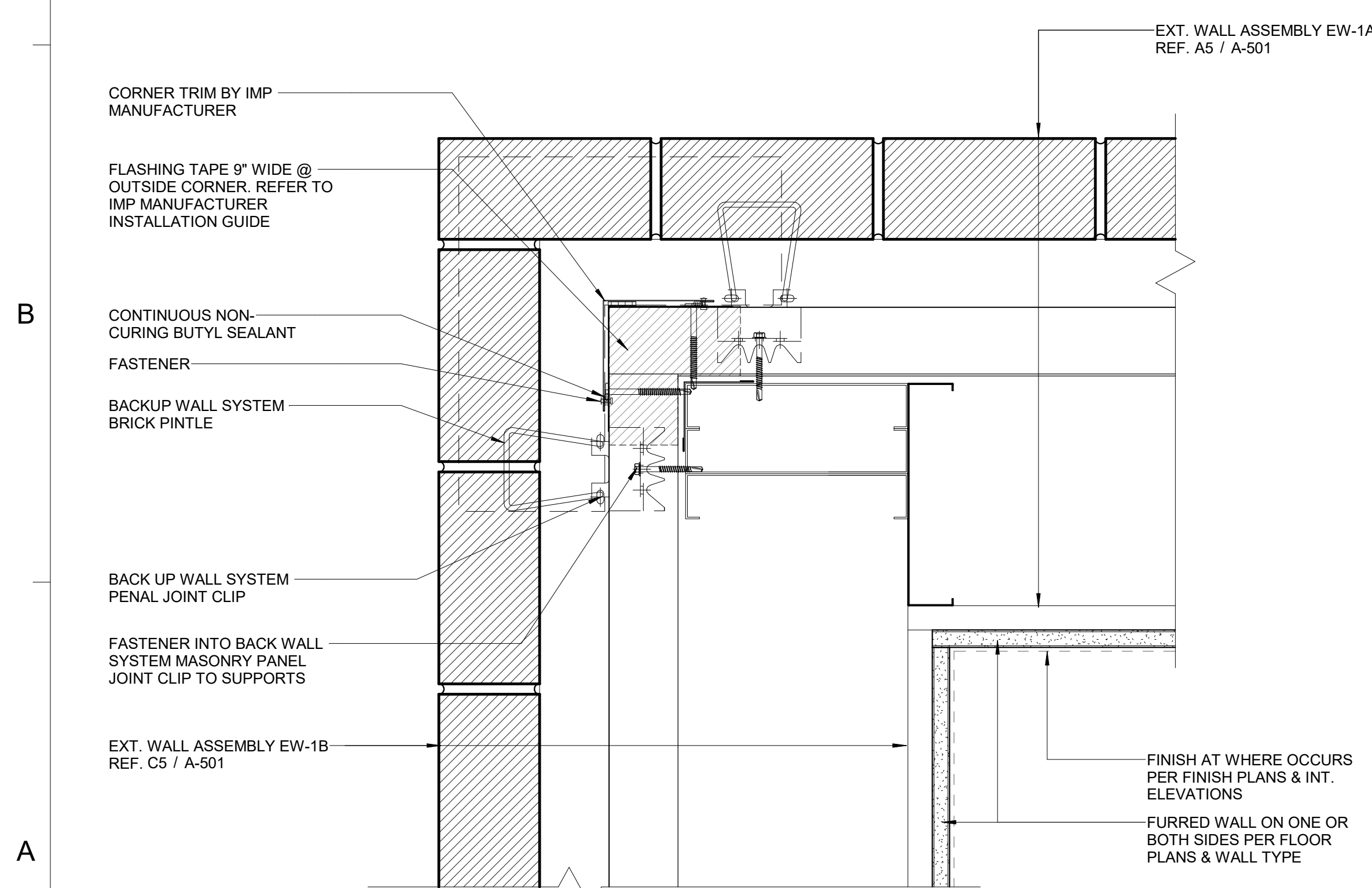
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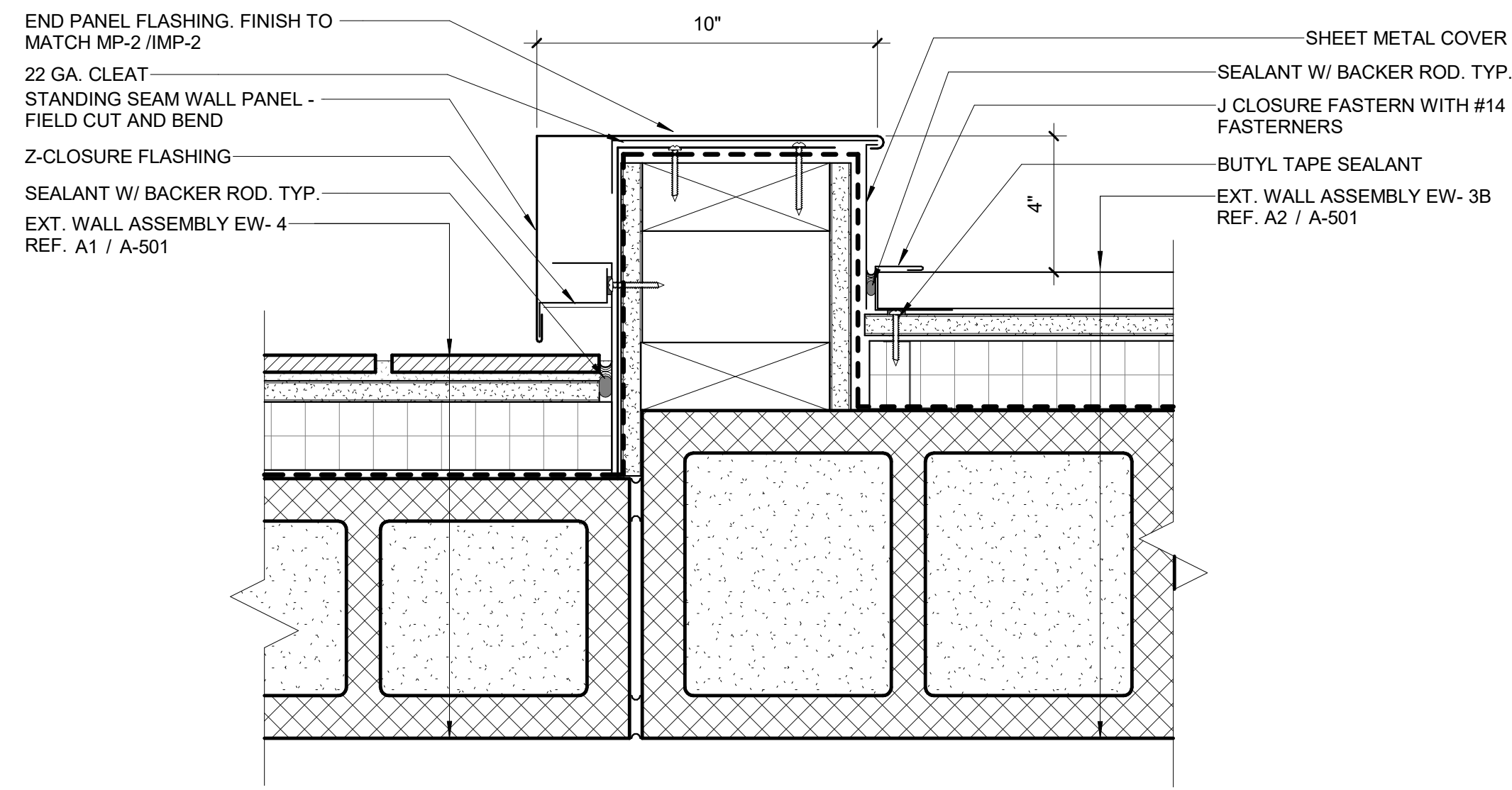
E1 INSIDE CORNER PLAN DETAIL @ EW-1A & EW-1B  
Scale: 3" = 1'-0"



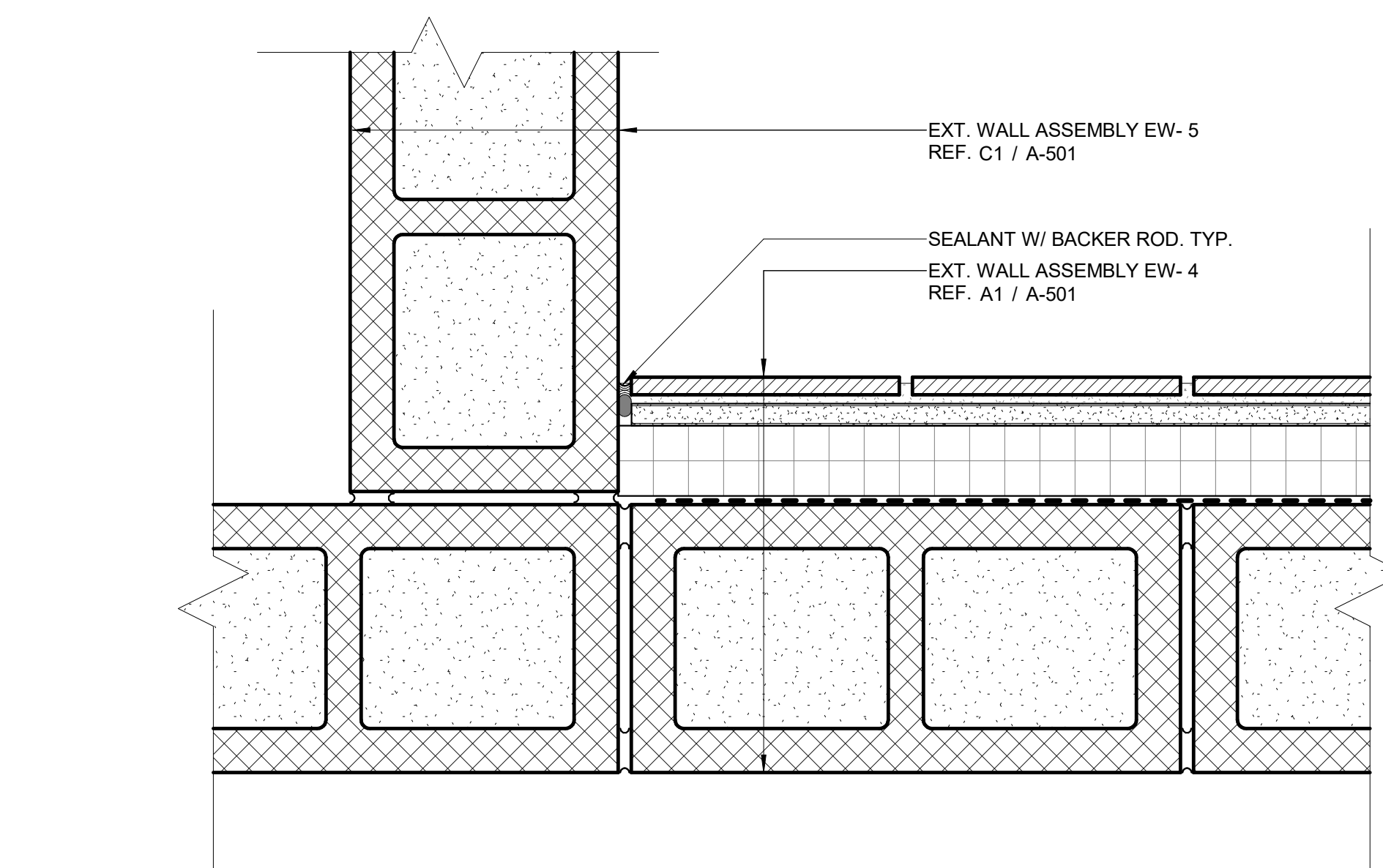
C1 OUTSIDE CORNER PLAN DETAIL @ EW-1A  
Scale: 3" = 1'-0"



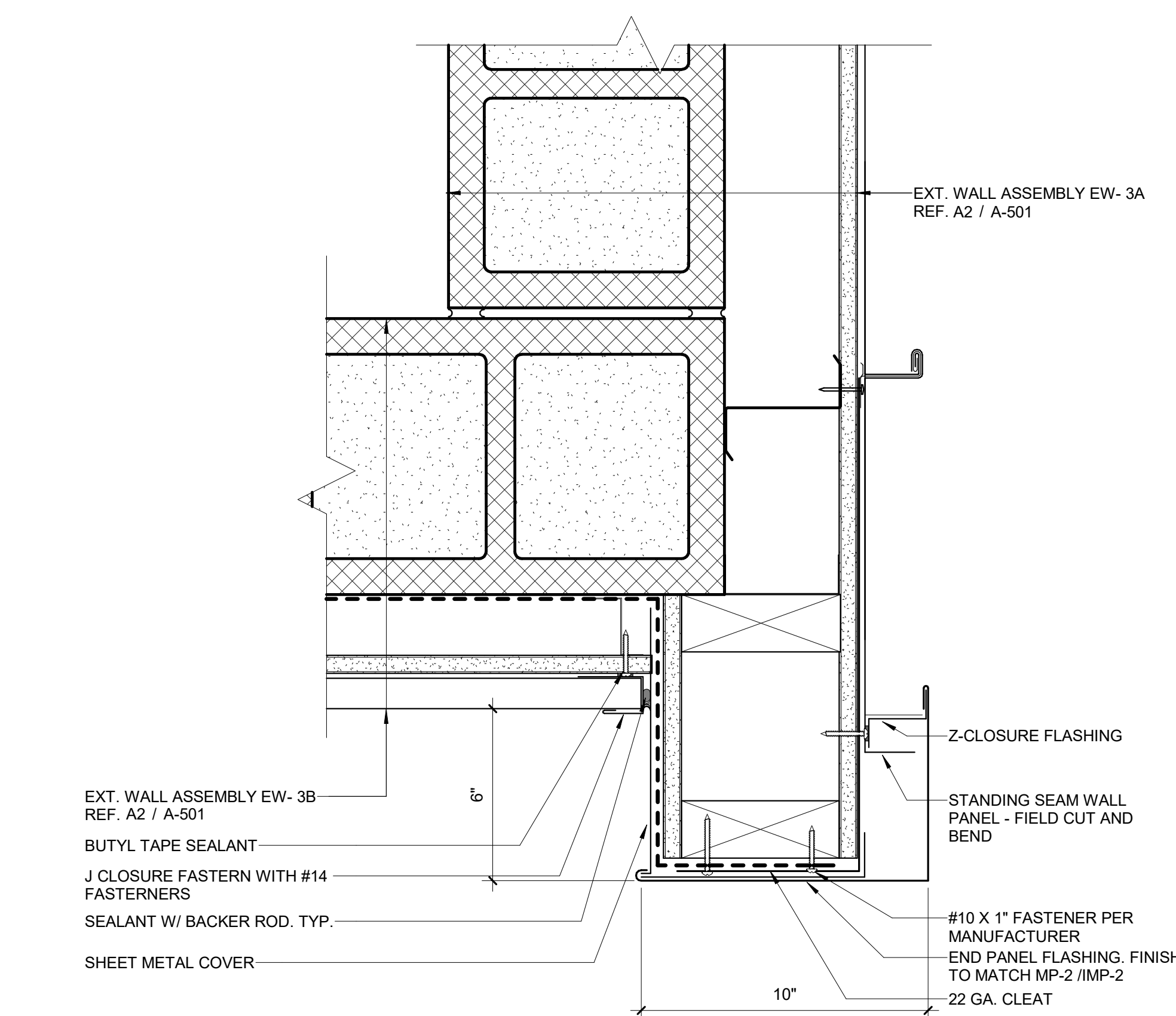
A1 OUTSIDE CORNER PLAN DETAIL @ EW-1B  
Scale: 3" = 1'-0"



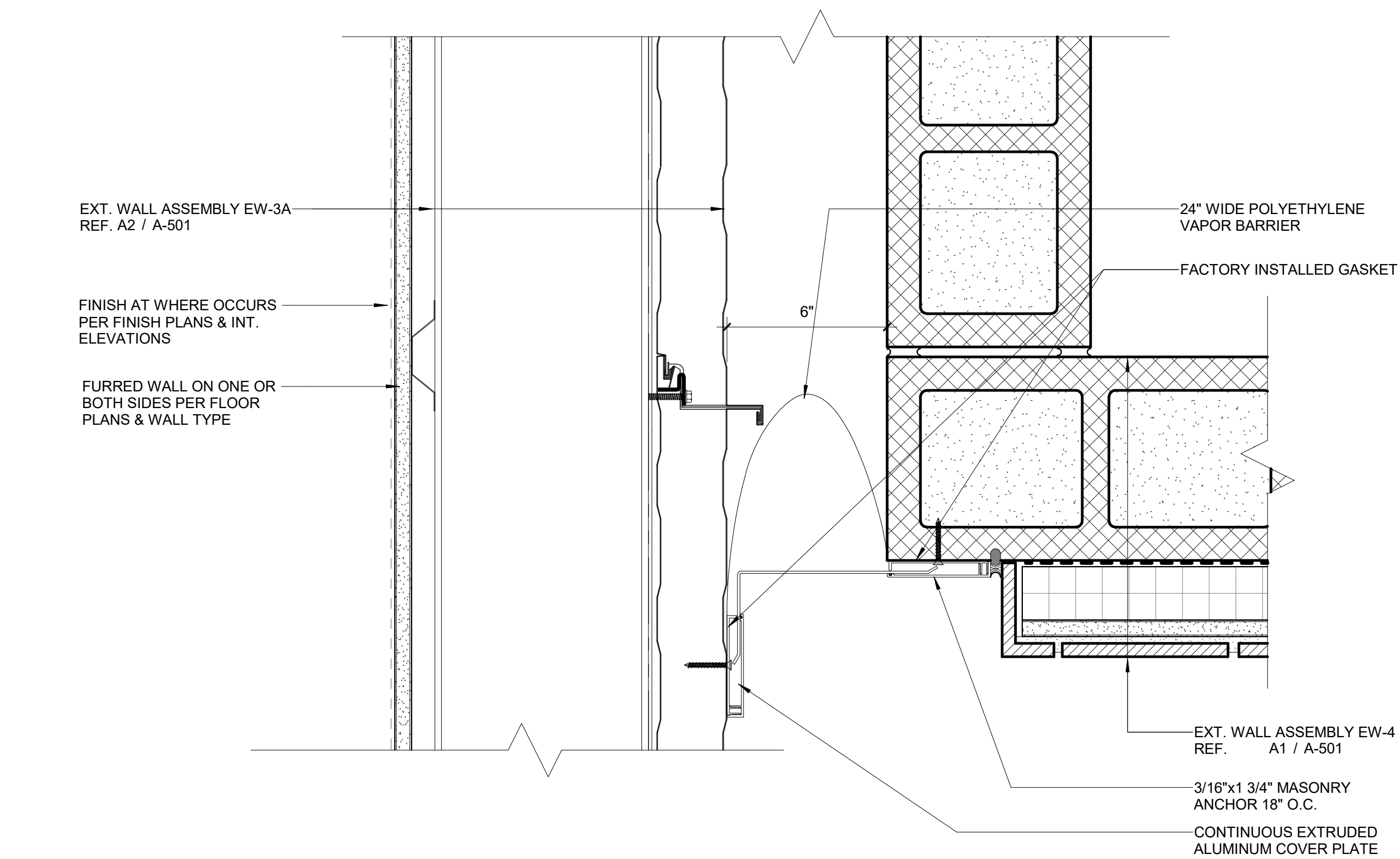
E3 TRANSITION @ EW- 4 & EW - 3  
Scale: 3" = 1'-0"



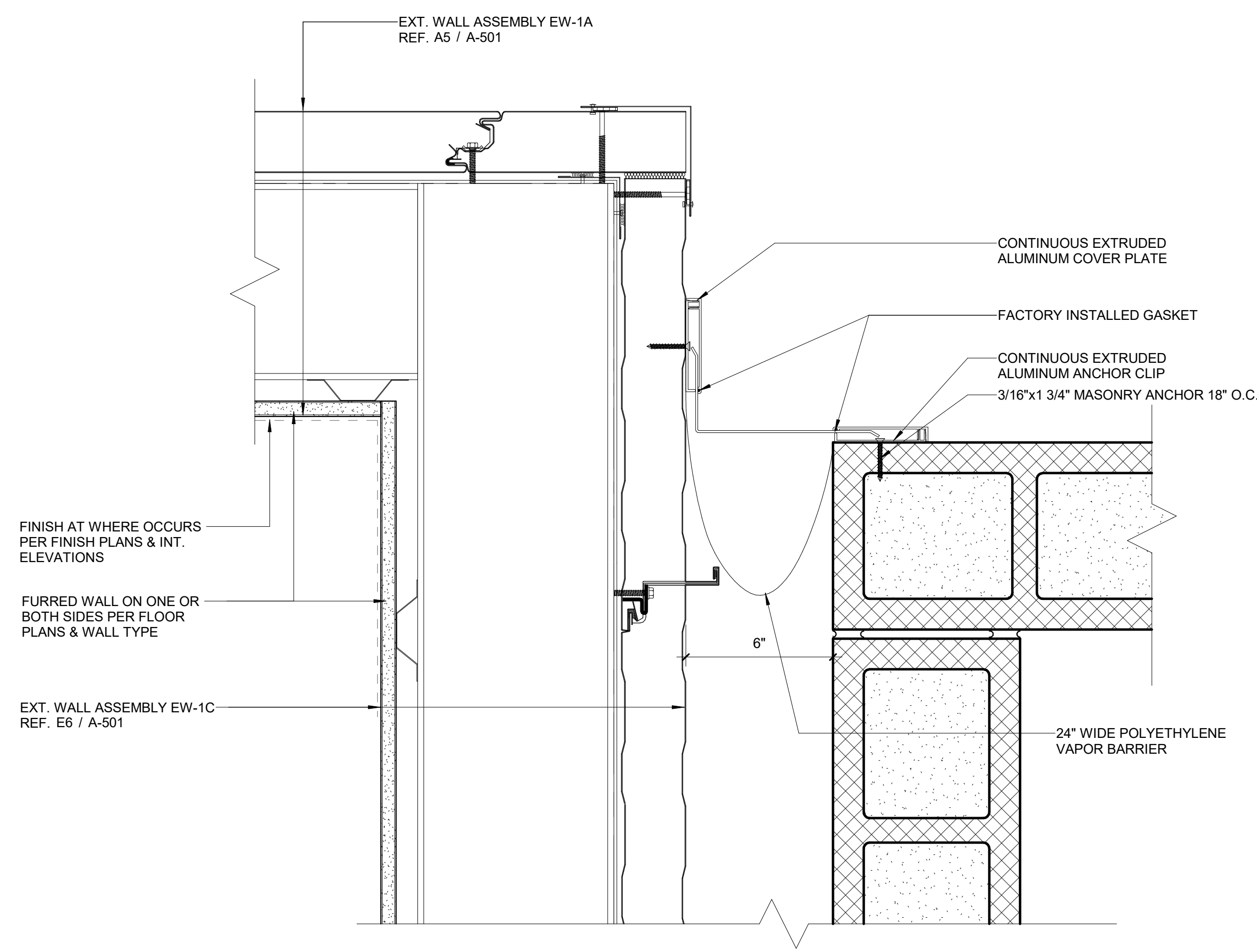
C3 INSIDE CORNER PLAN DETAIL @ EW- 4  
Scale: 3" = 1'-0"



A3 OUTSIDE CORNER PLAN DETAIL @ EW- 3  
Scale: 3" = 1'-0"

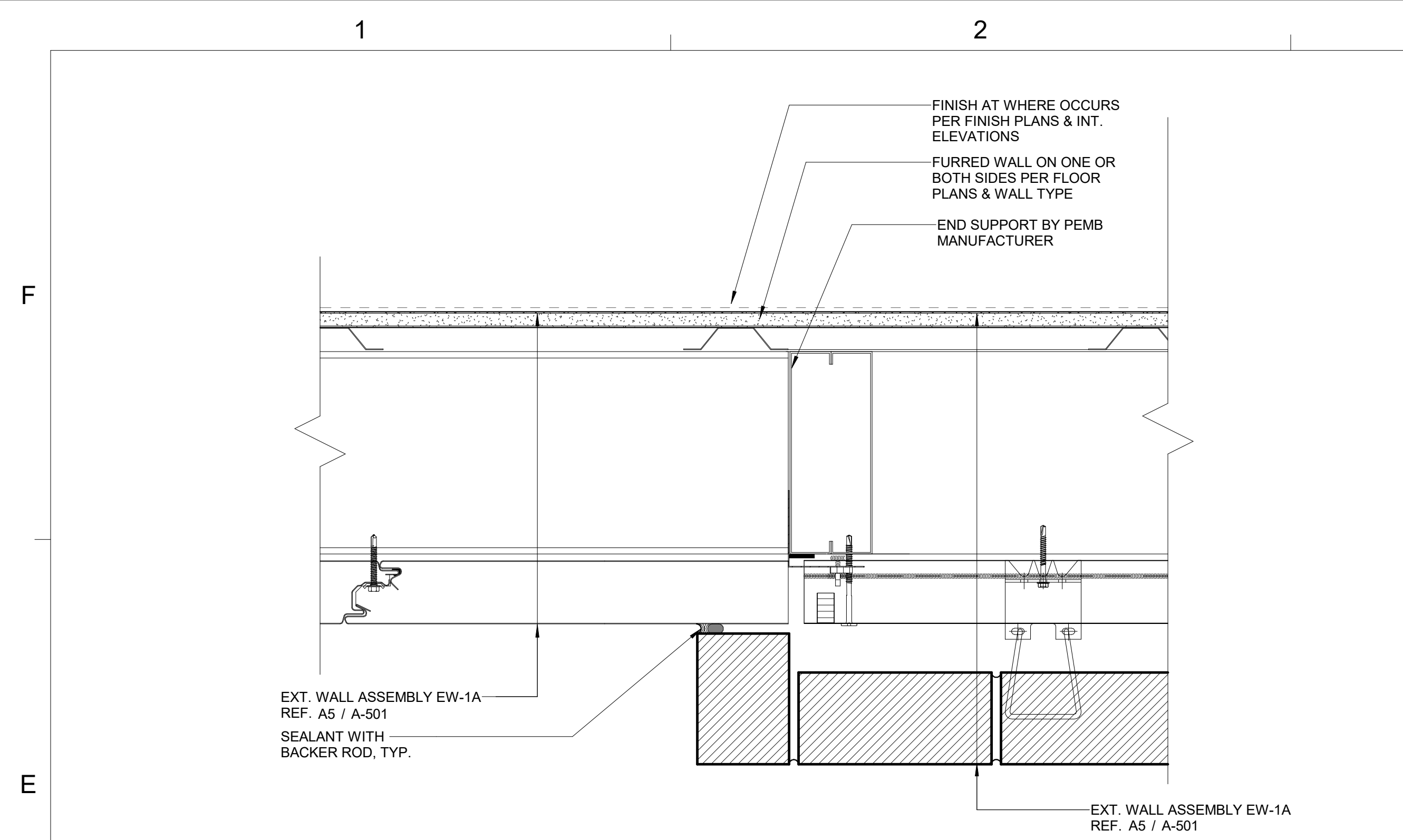


C4 SEISMIC JOINT @ SE CORNER  
Scale: 3" = 1'-0"

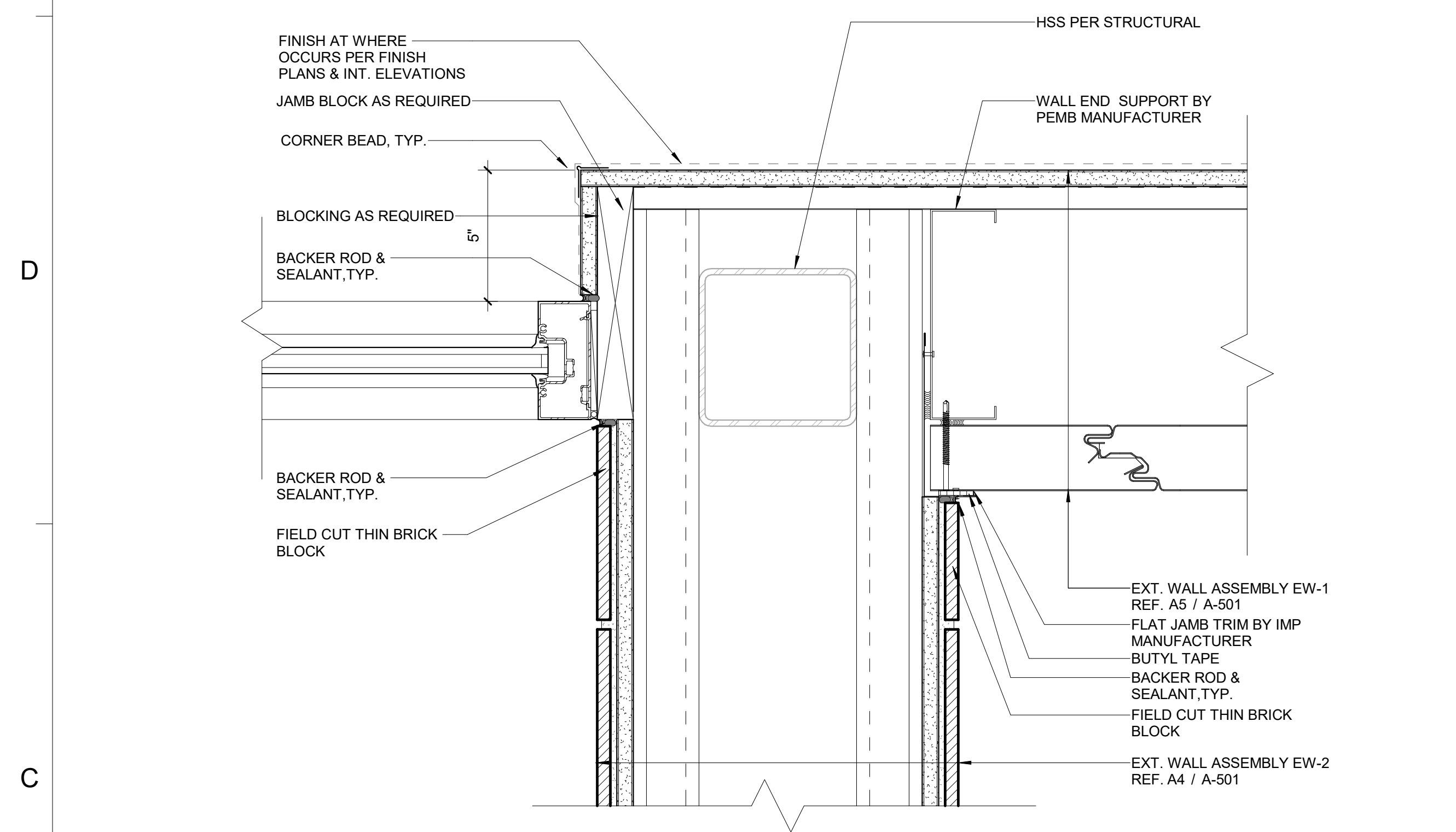


A4 SEISMIC JOINT @ NE CORNER  
Scale: 3" = 1'-0"

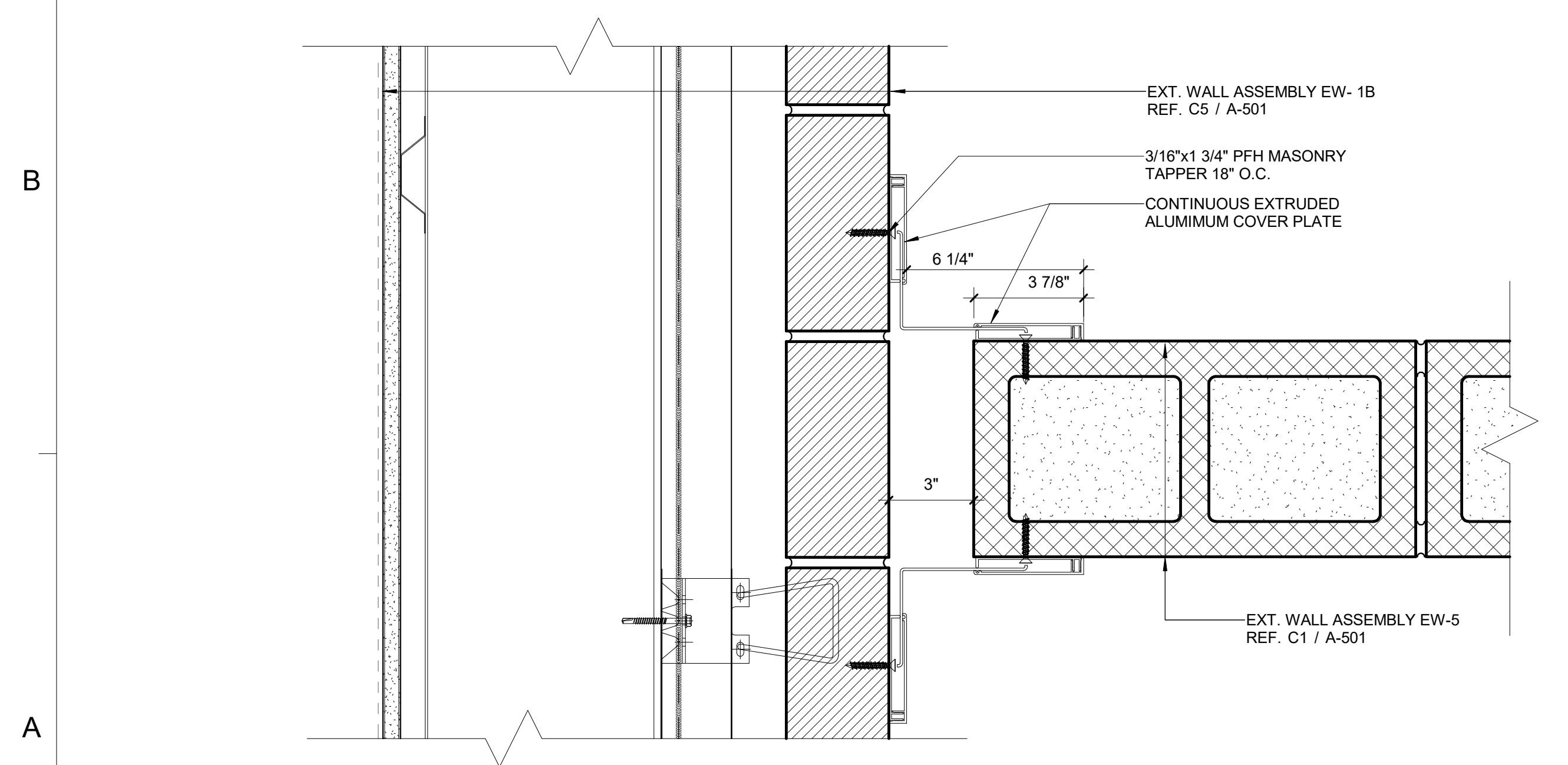




**E1** TRANSITION DETAIL @ EW-1A & EW-1B  
Scale: 3" = 1'-0"



**C1 GLAZING JAMB DETAIL @ EW-1A & EW-2**  
Scale: 3" = 1'-0"



**A1 CORNER DETAIL @ PARTIAL HEIGHT CMU WALL**  
Scale: 3" = 1'-0"



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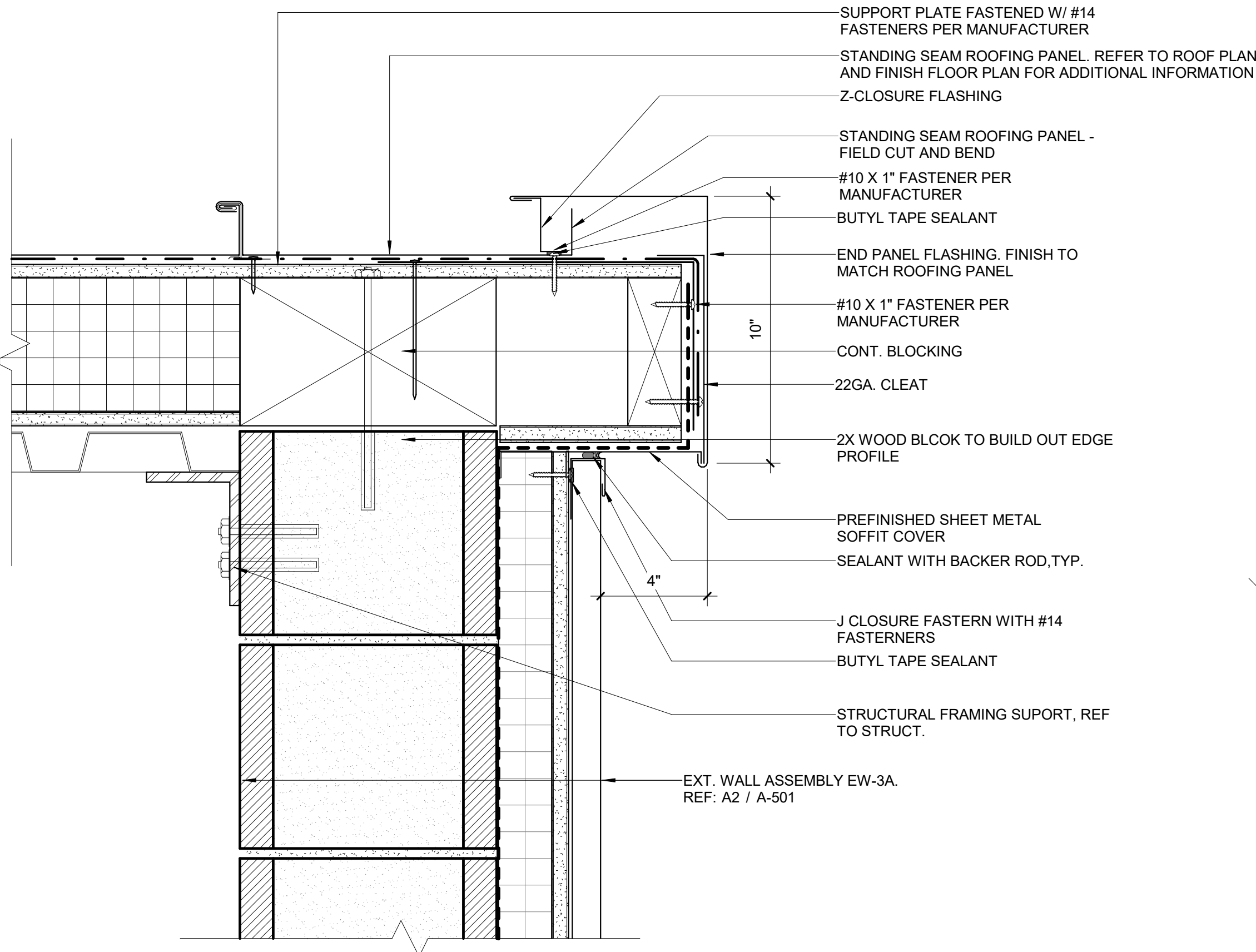
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ROOF DETAILS

PROJECT NO. 50184767

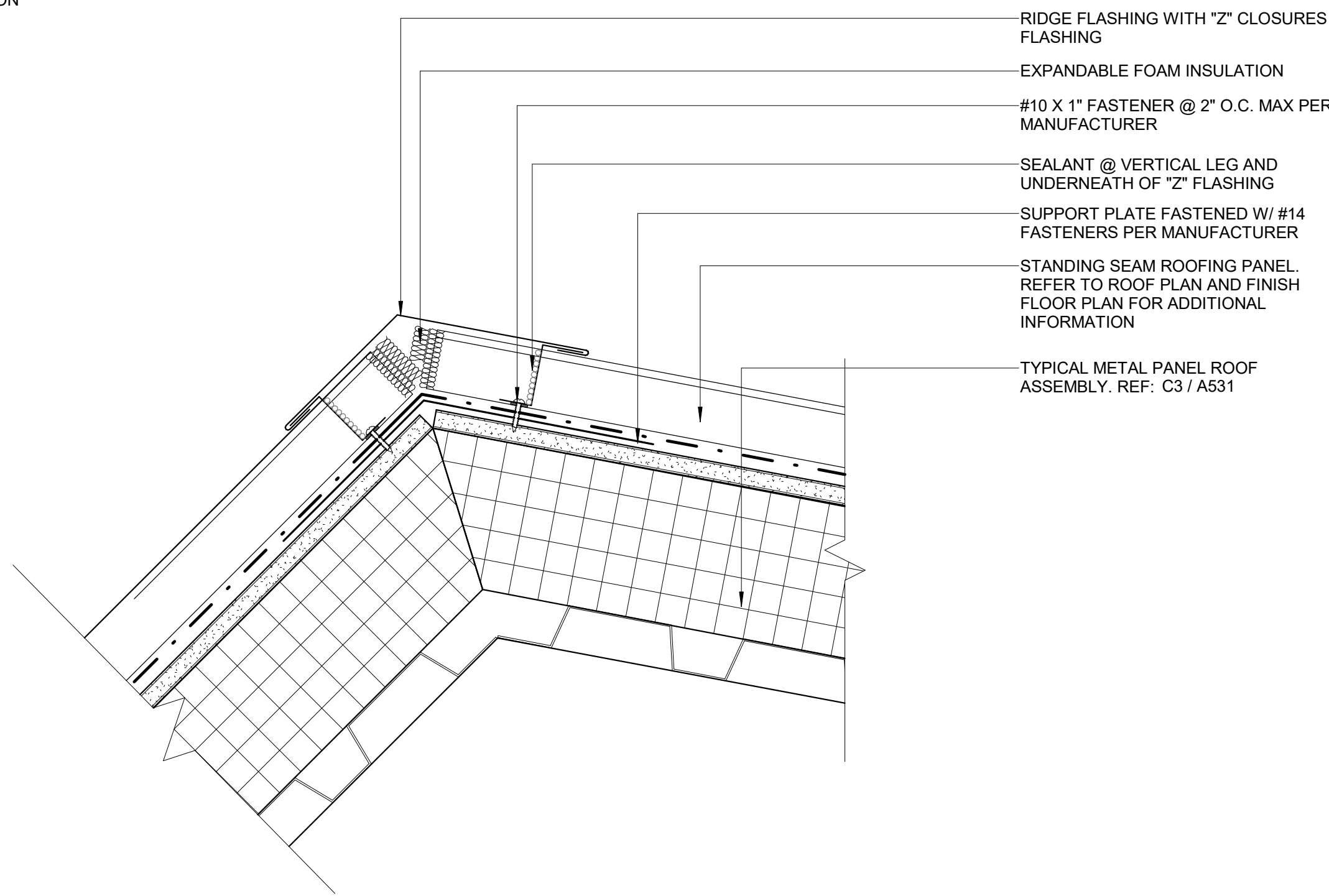
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SHEET NO.



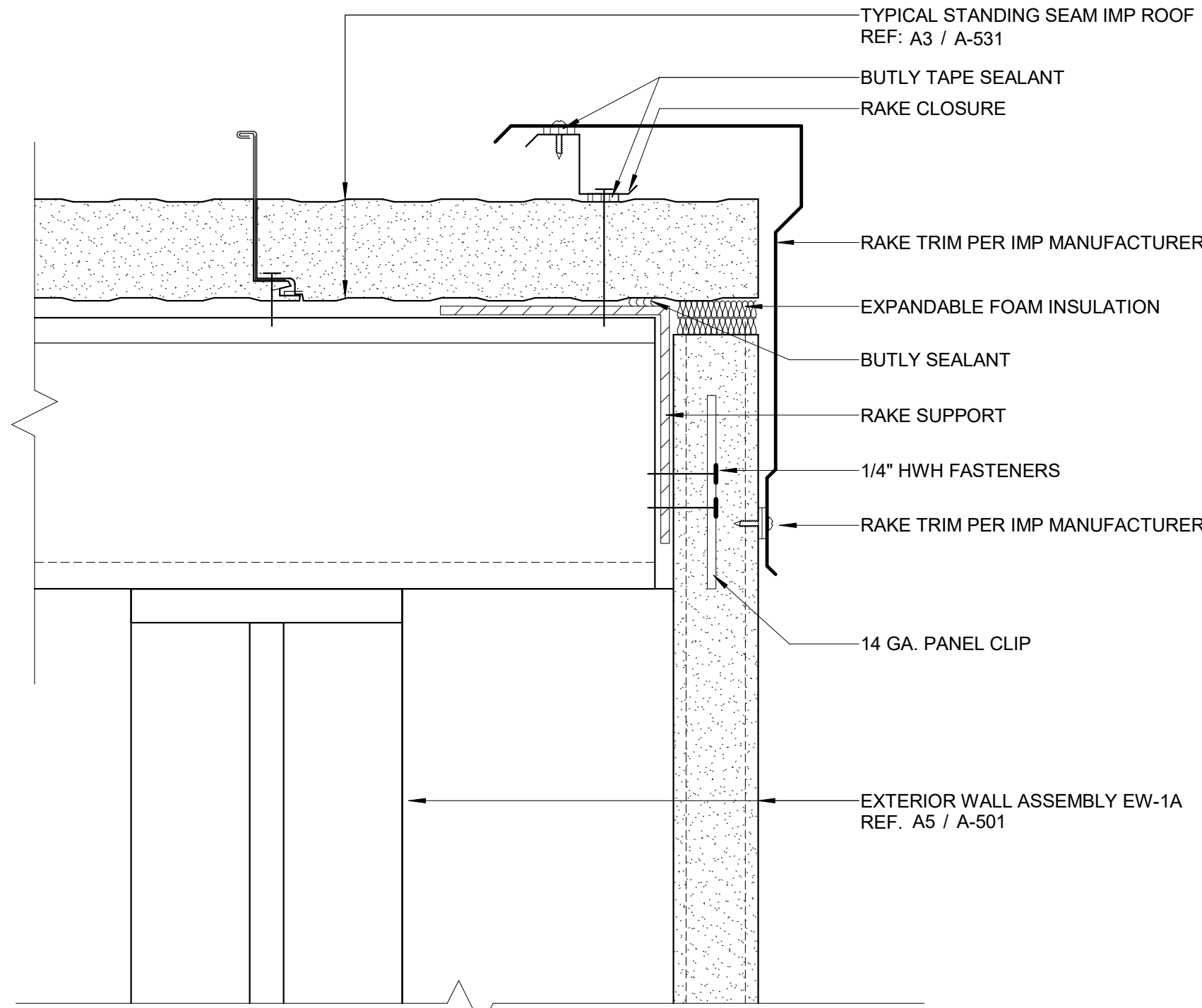
D1 STANDING SEAM METAL ROOF DETAIL @ RAKE

Scale: 3" = 1'-0"



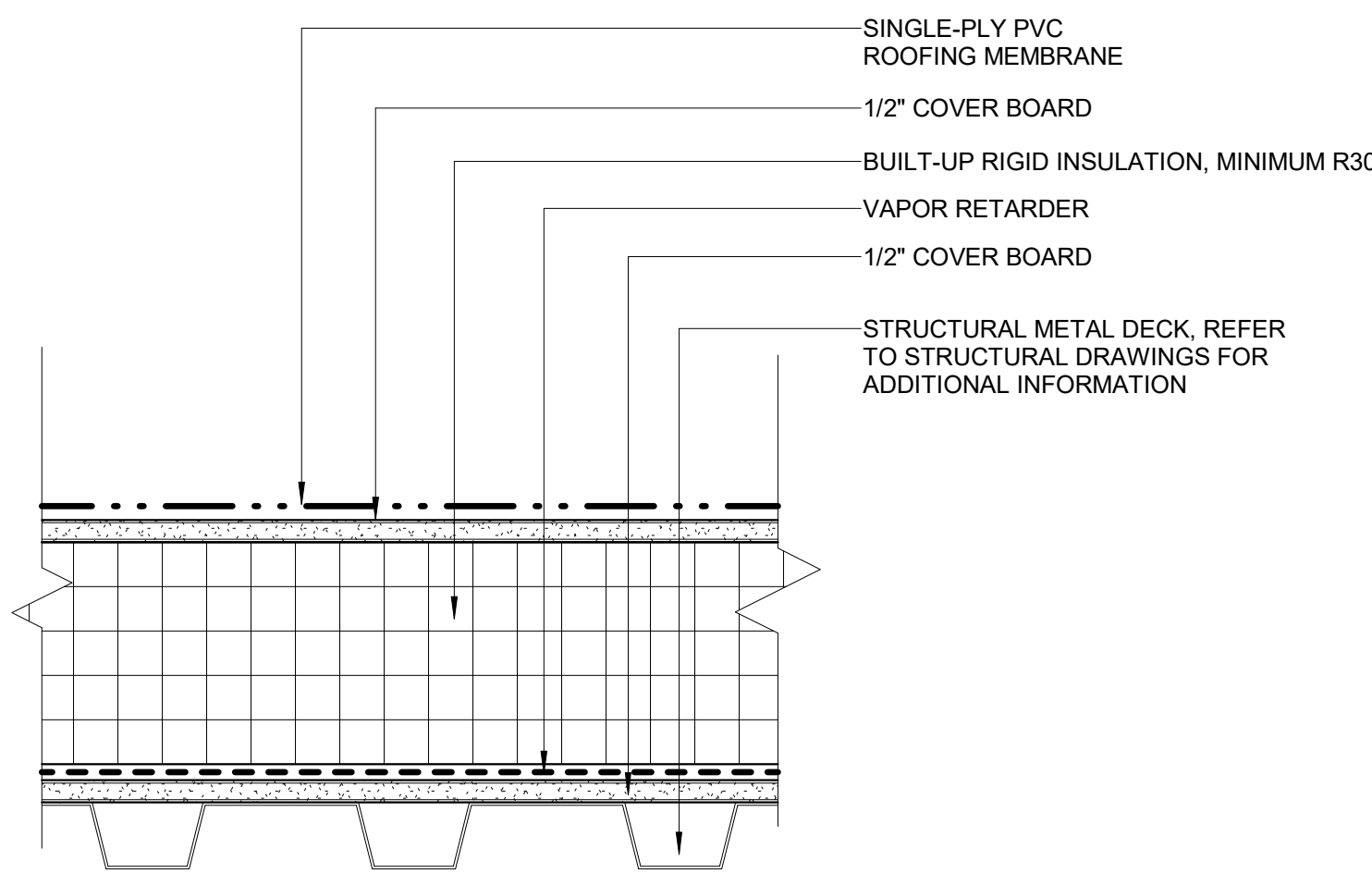
D3 RIDGE @ METAL PANEL ROOF

Scale: 3" = 1'-0"



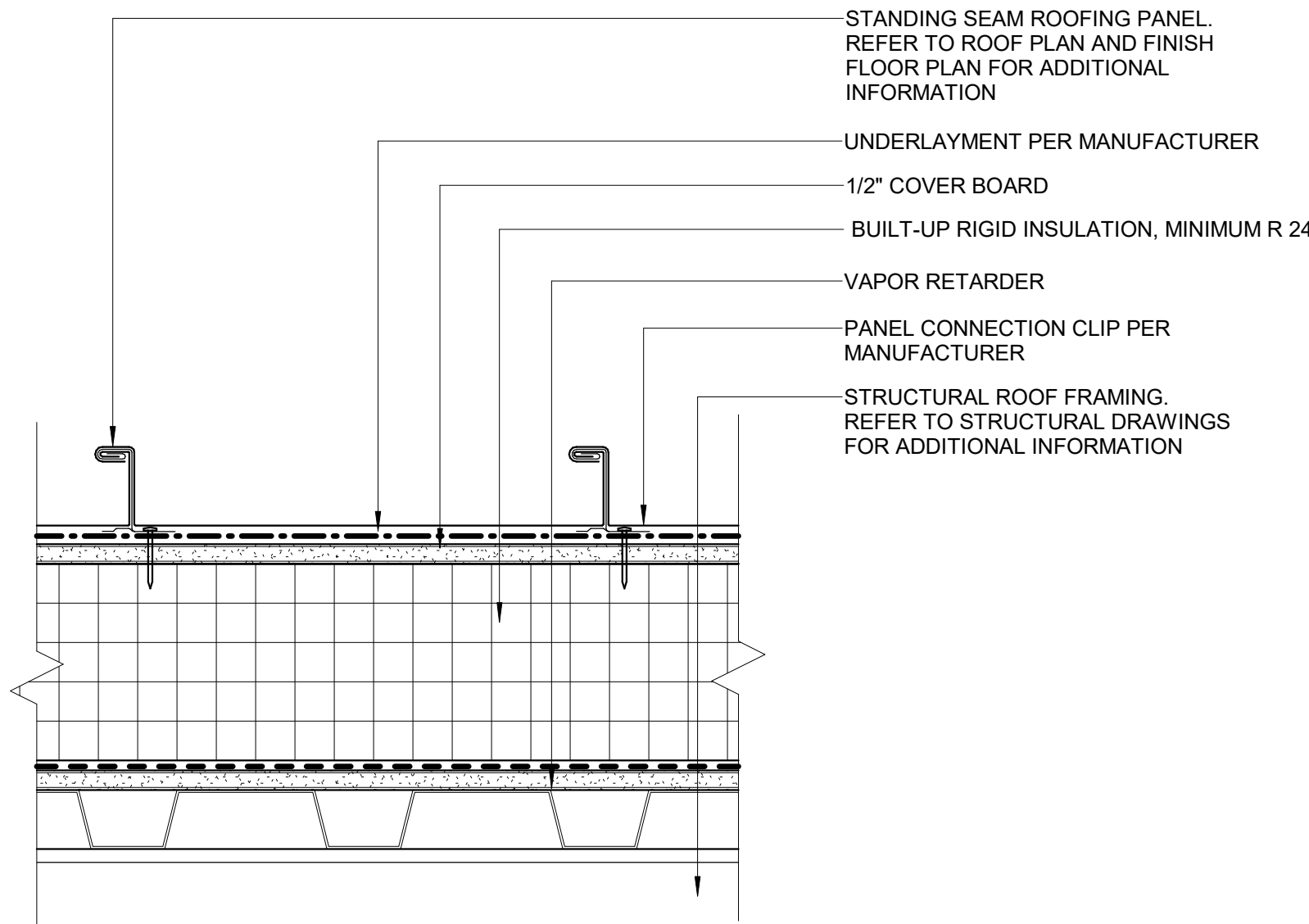
D5 IMP STANDING SEAM ROOF DETAIL @ RAKE

Scale: 3" = 1'-0"



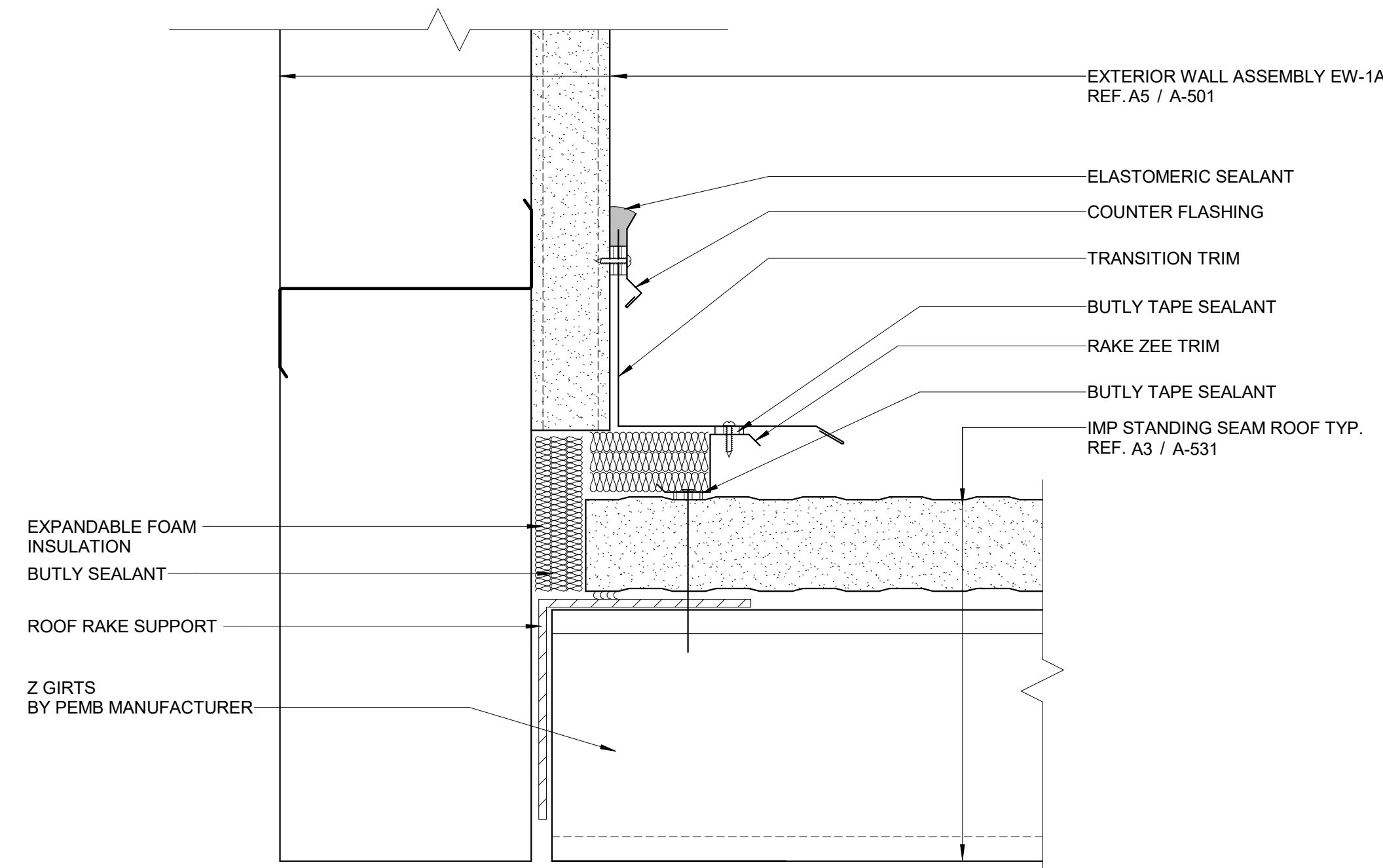
C1 TYPICAL SINGLE-PLY PVC ROOF ASSEMBLY

Scale: 3" = 1'-0"



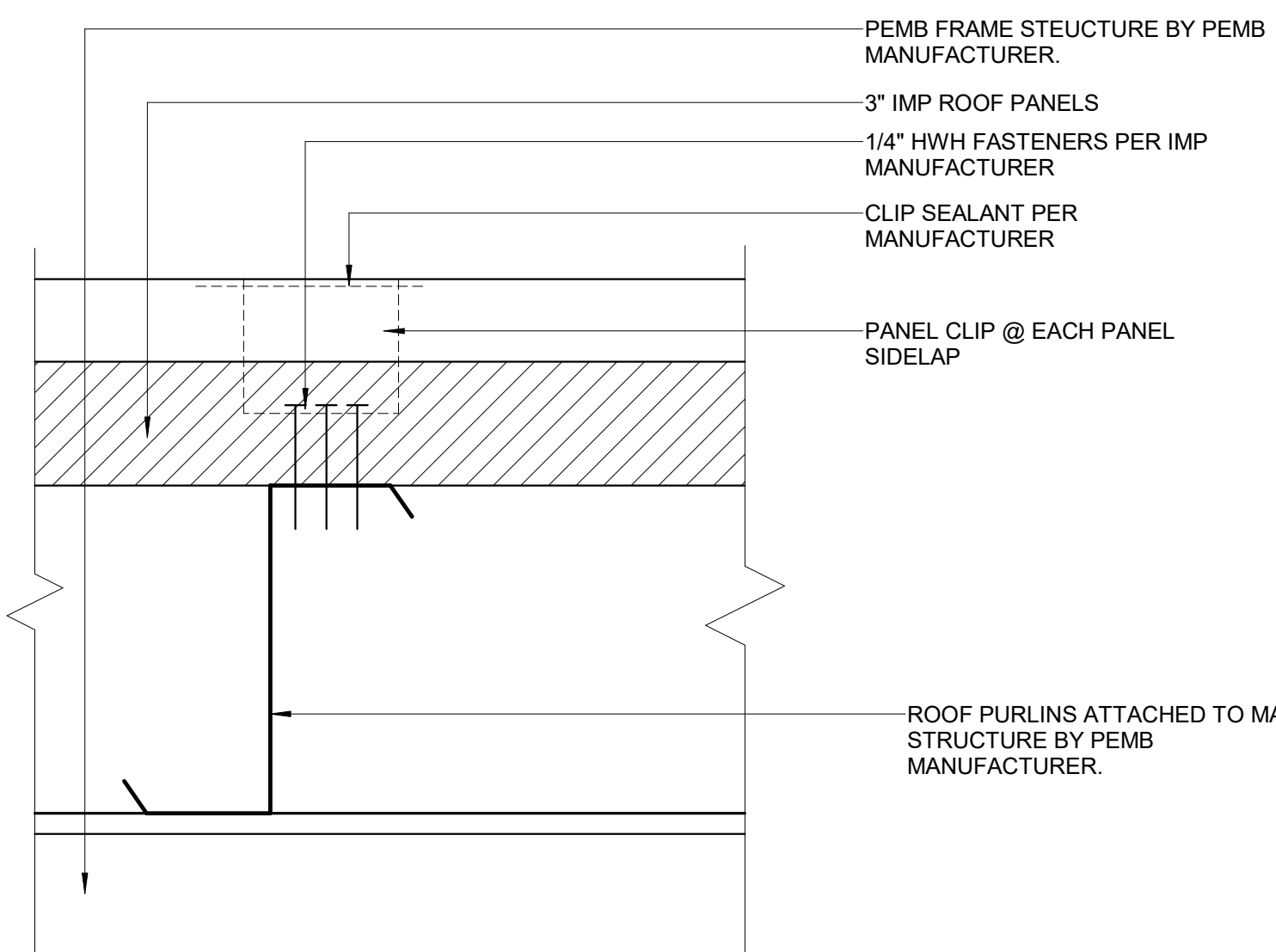
C3 TYPICAL STANDING SEAM METAL ROOF ASSEMBLY

Scale: 3" = 1'-0"



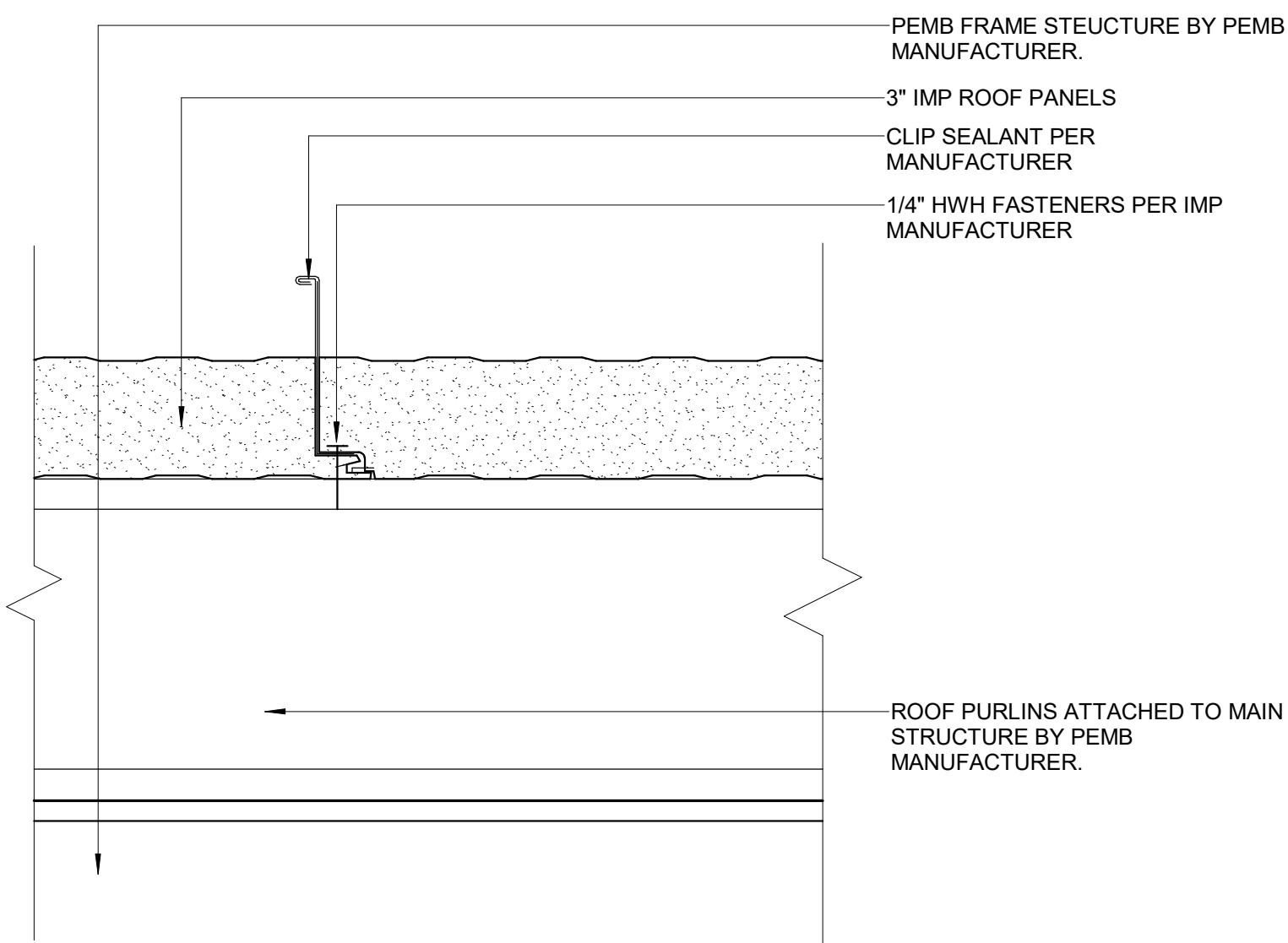
B5 IMP STANDING SEAM ROOF DETAIL @ ROOF TO WALL

Scale: 3" = 1'-0"



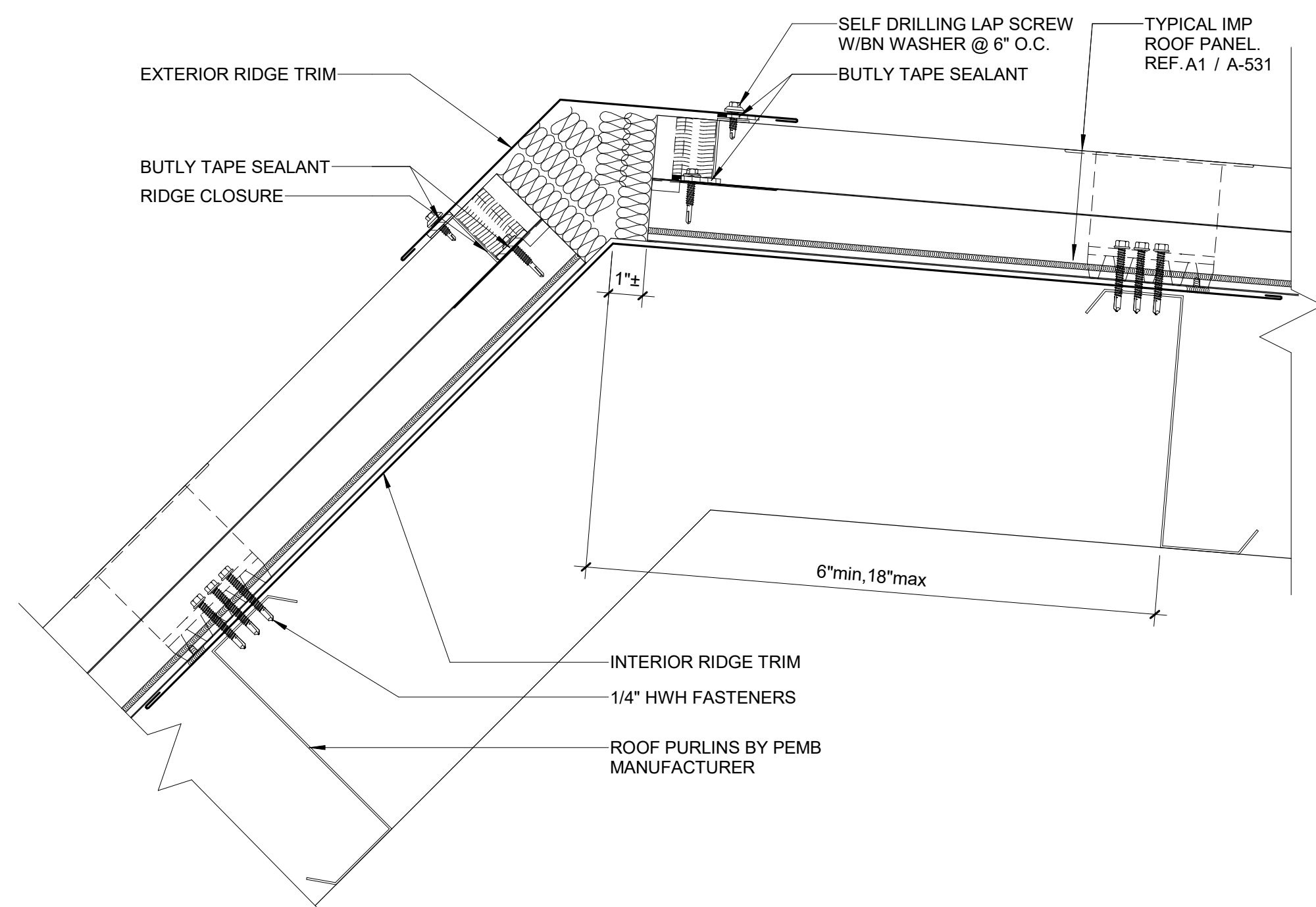
A1 TYPICAL IMP STANDING SEAM ROOF ASSEMBLY (LONGITUDINAL)

Scale: 3" = 1'-0"



A3 TYPICAL IMP STANDING SEAM ROOF ASSEMBLY (TRANSVERSE)

Scale: 3" = 1'-0"



A5 RIDGE @ IMP ROOF

Scale: 3" = 1'-0"



SEAL



KEY PLAN

SCALE

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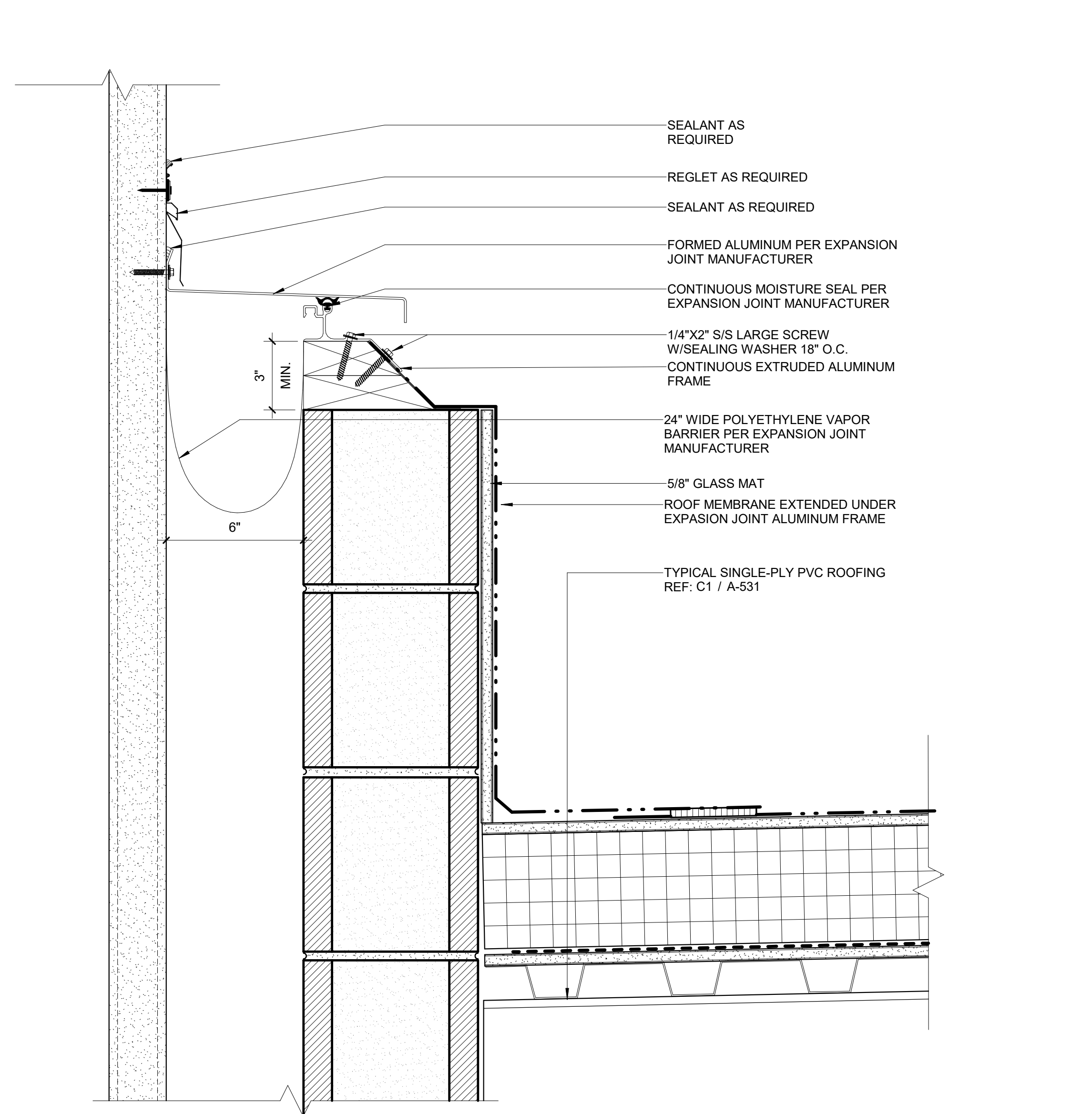
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ROOF DETAILS

PROJECT NO. 50184767

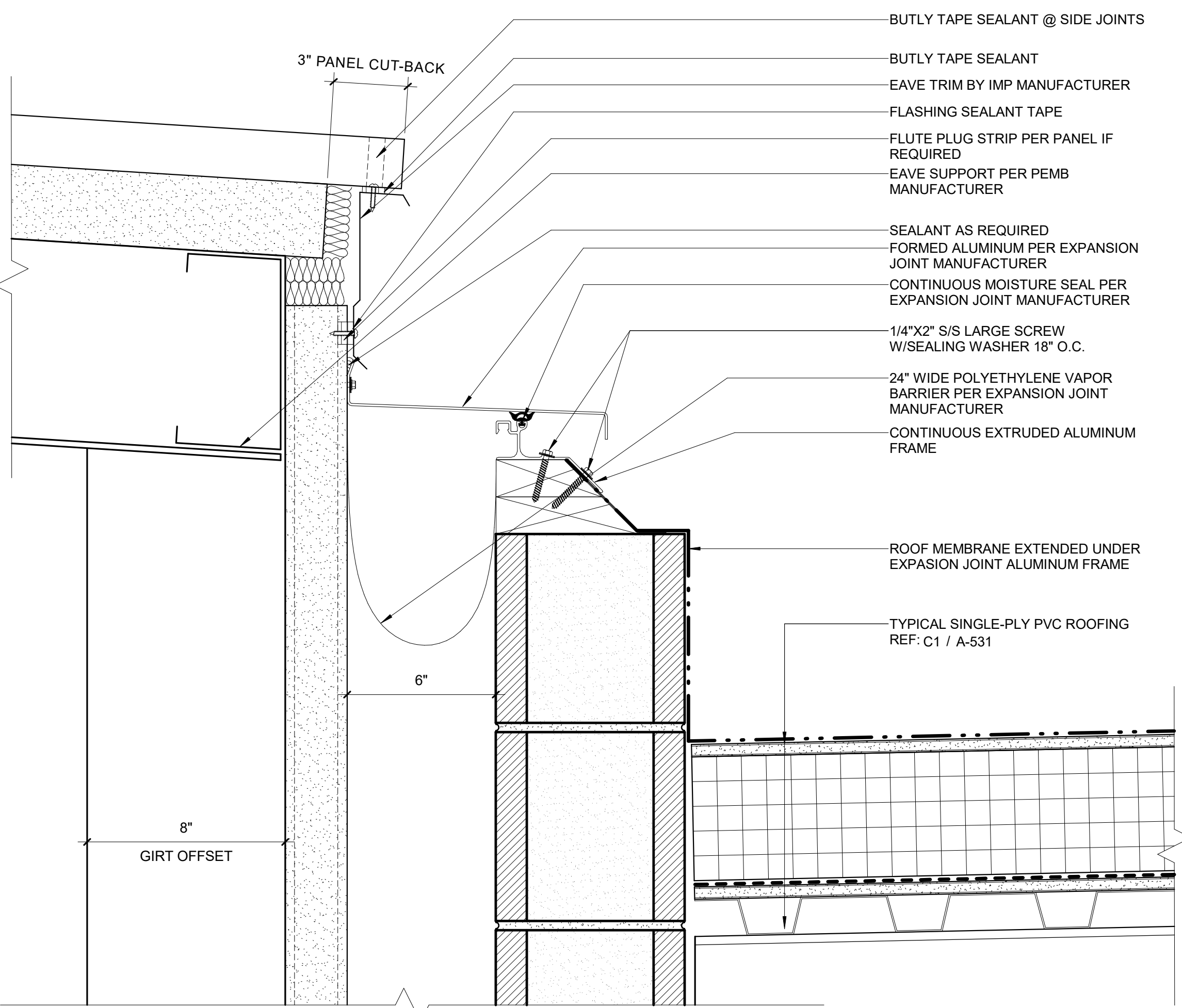
A-532

SHEET NO.



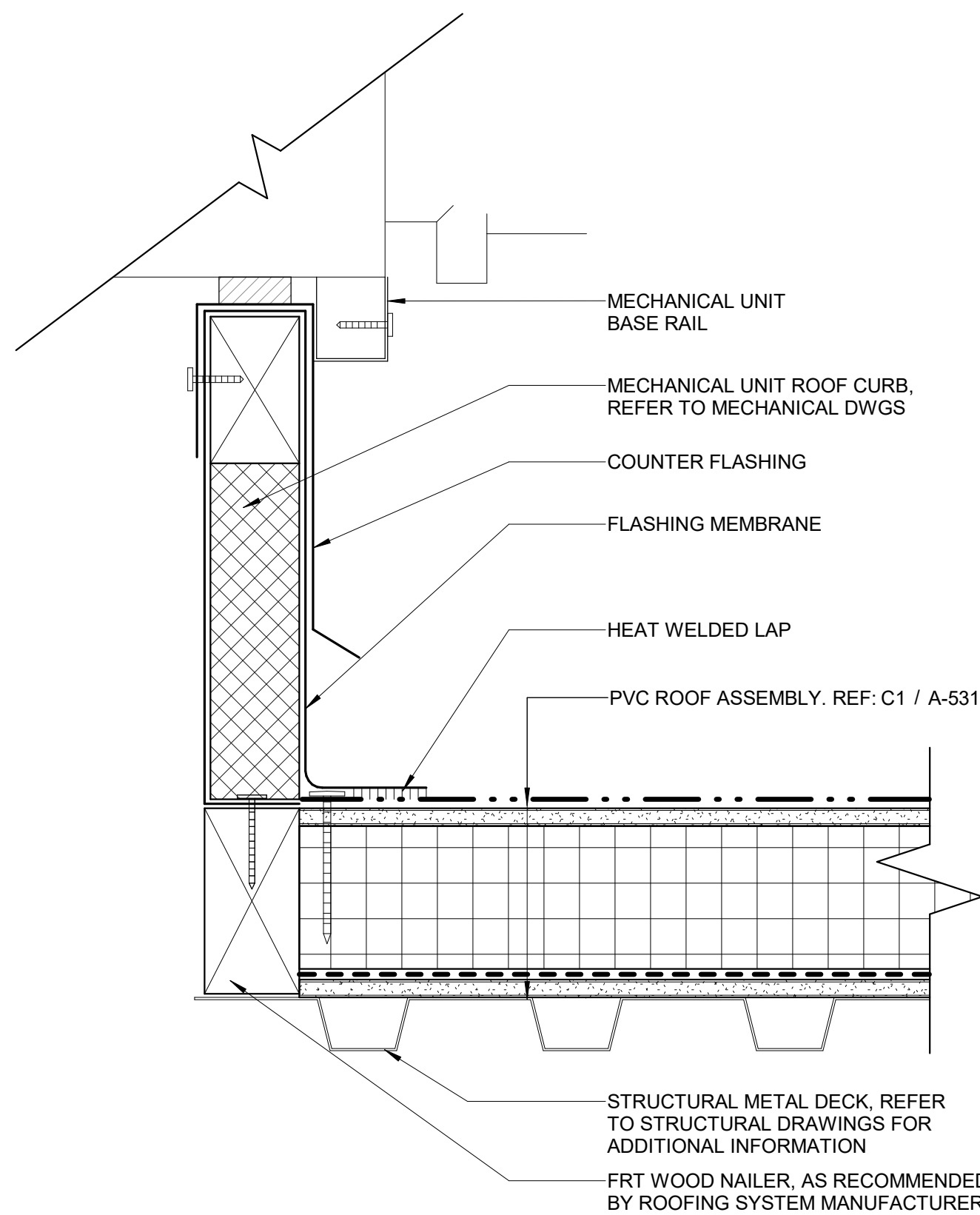
D1 SEISMIC JOINT DETAIL - ROOF TO WALL

Scale: 3" = 1'-0"



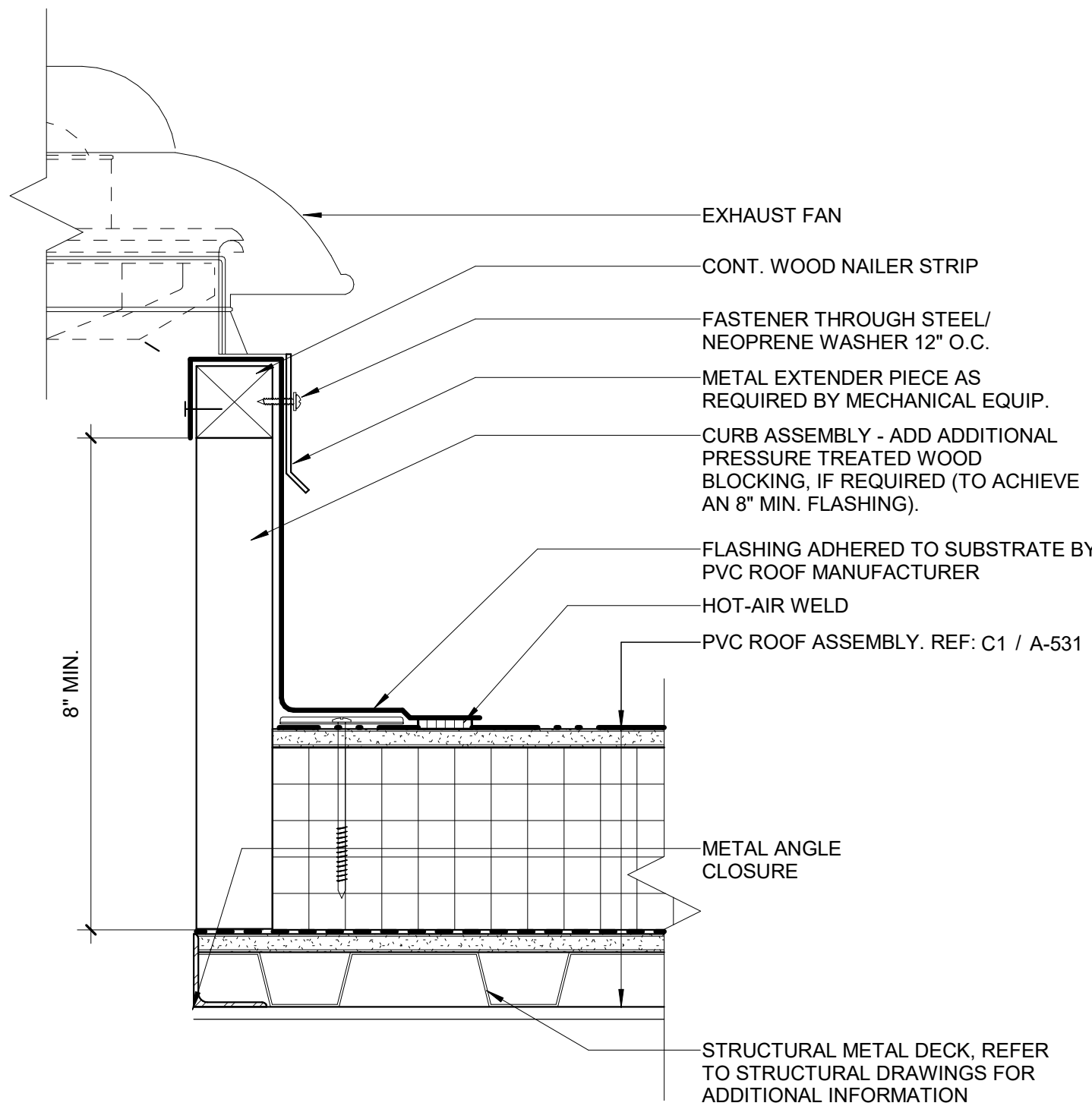
A1 SEISMIC JOINT DETAIL - ROOF TO ROOF

Scale: 3" = 1'-0"



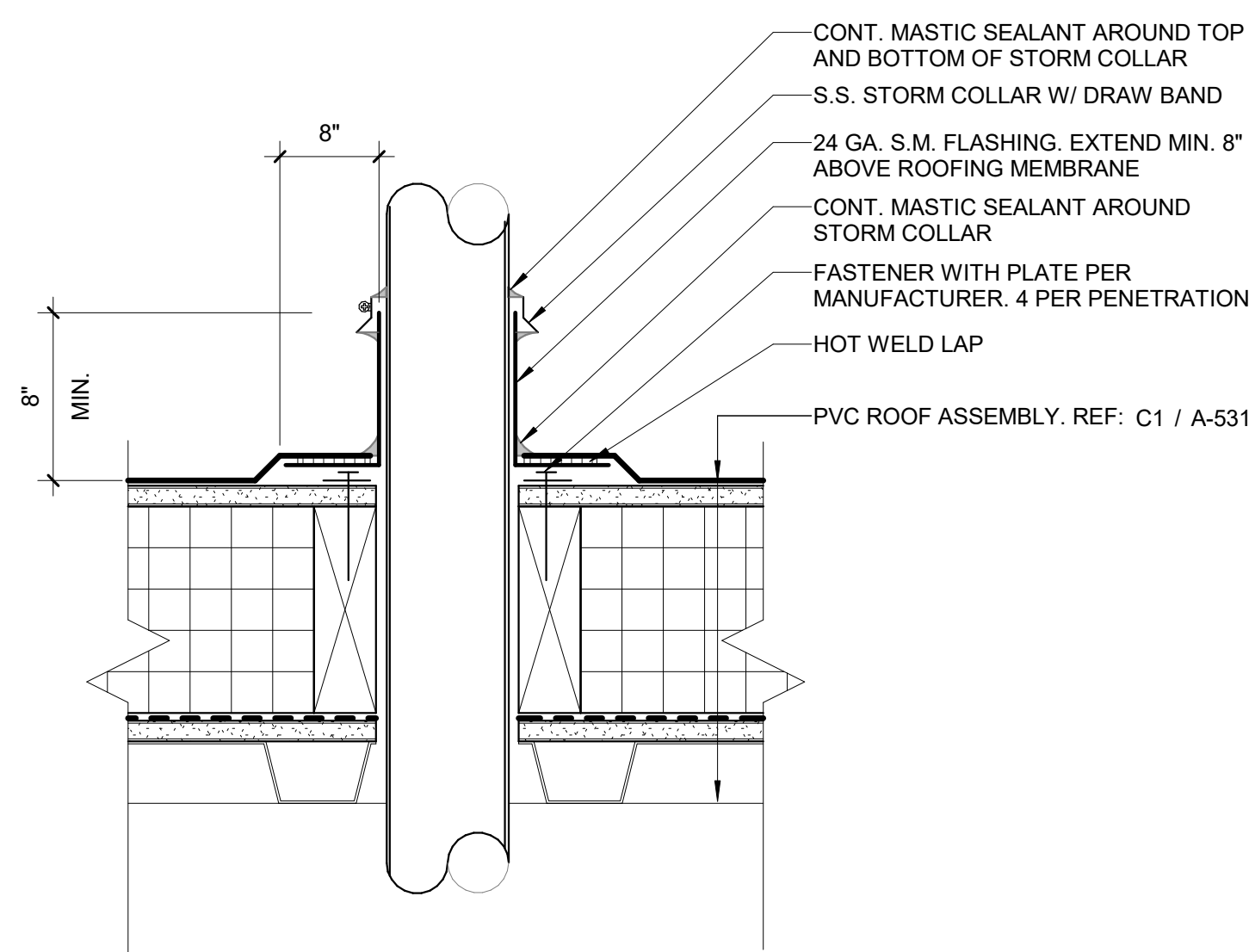
D3 MECHANIC EQUIPMENT CURB DETAIL @ PVC ROOFING SYSTEM

Scale: 3" = 1'-0"



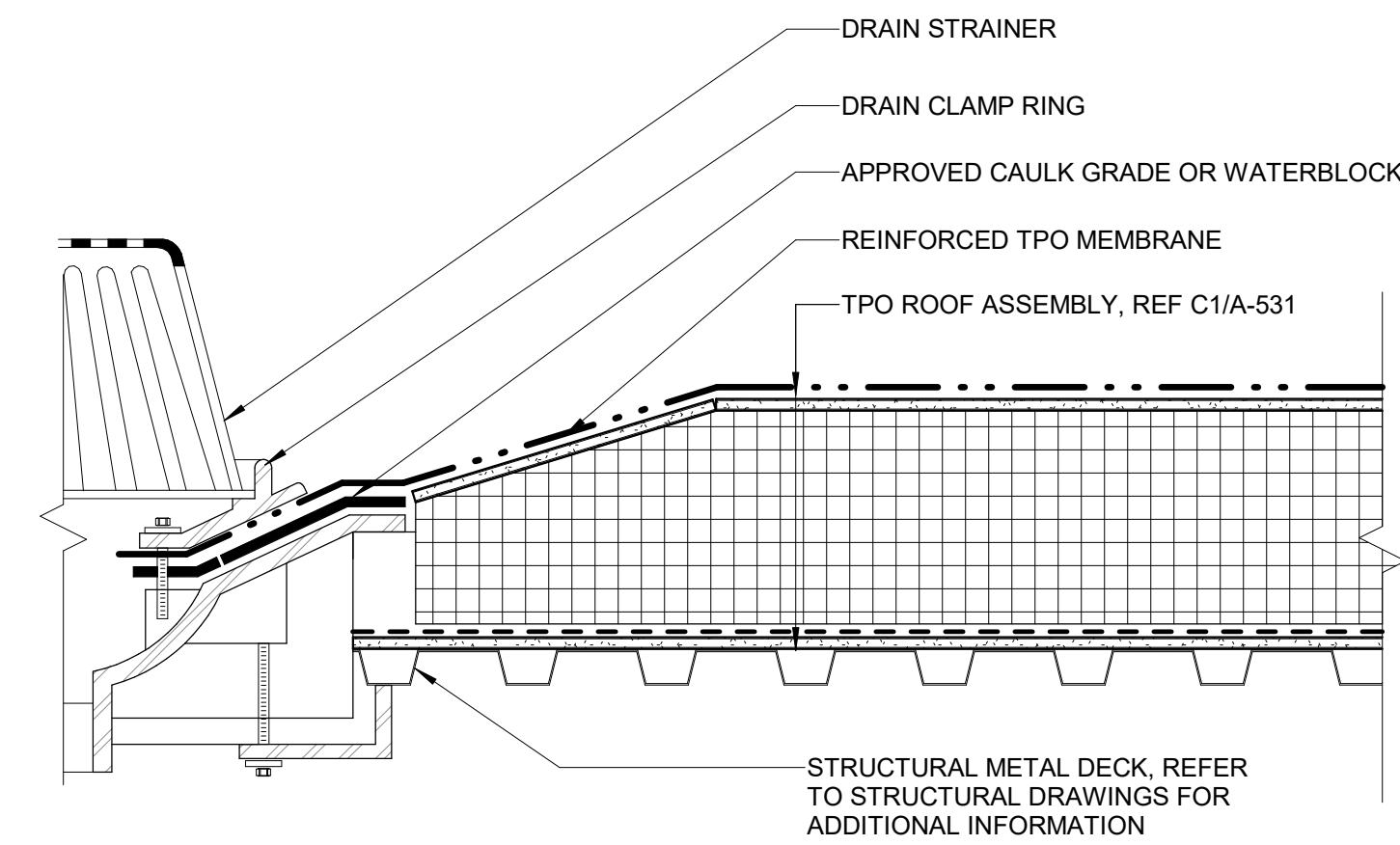
C3 EXHAUST FAN CURB CONNECTION DETAIL

Scale: 3" = 1'-0"



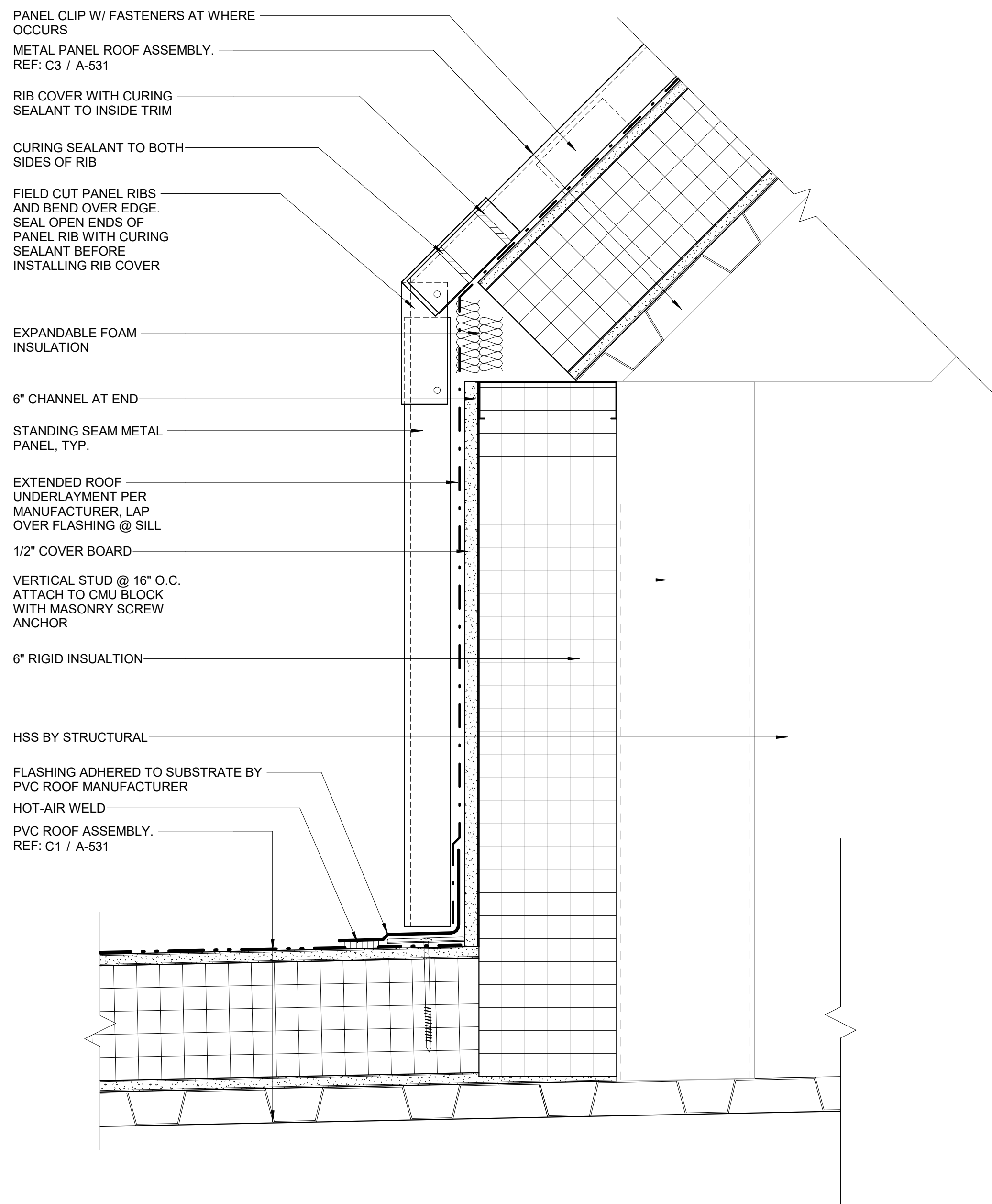
A3 ROOF PENETRATION FLASHING DETAIL

Scale: 3" = 1'-0"



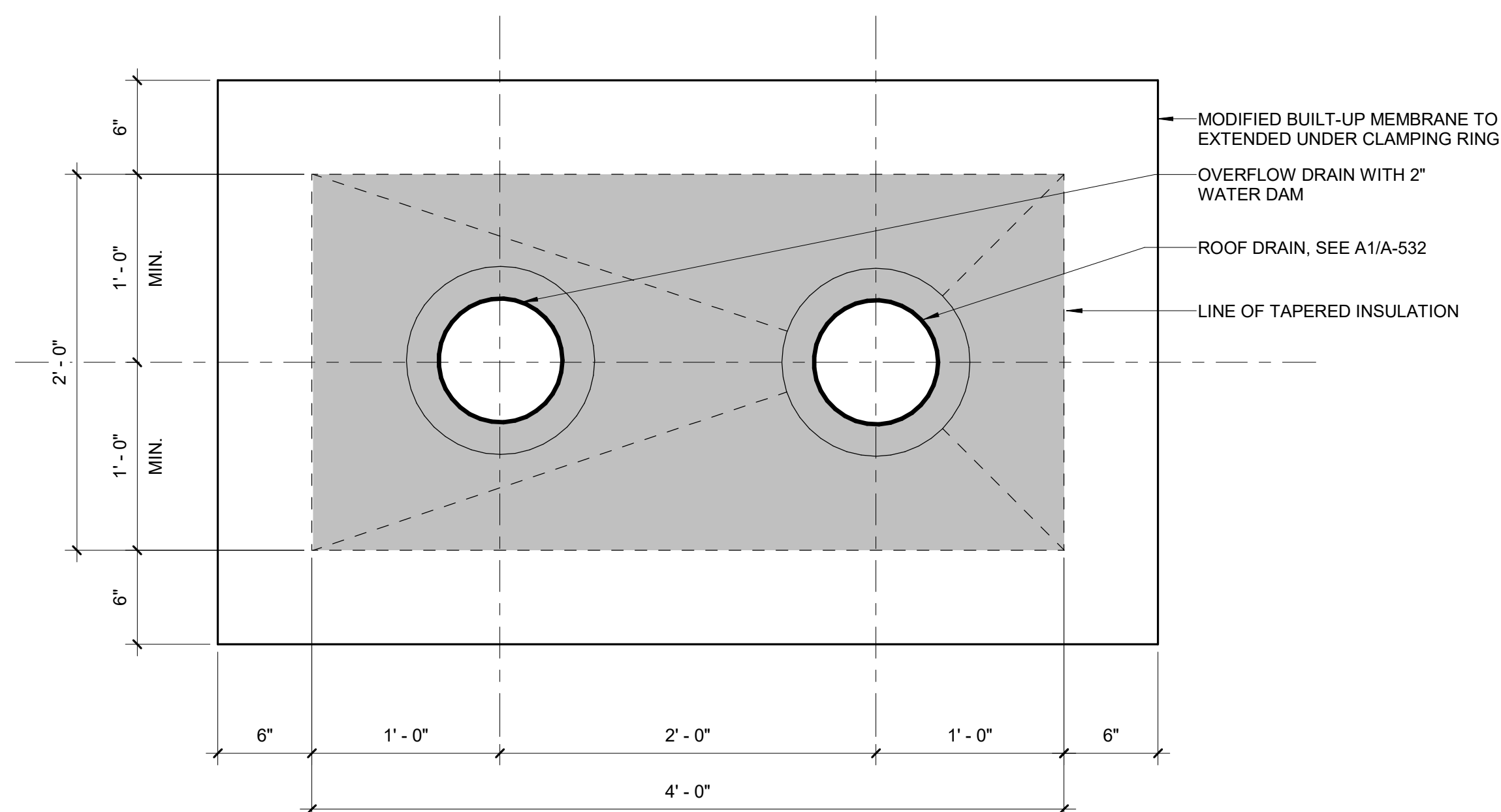
E5 ROOF DRAIN DETAIL

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



C4 STANDING SEAM METAL ROOF TRANSITION TO PVC ROOF

Scale: 3" = 1'-0"



A4 ROOF/ OVERFLOW DRAIN

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



[illegible]

DRAWN BY	JQ
APPROVED BY	PE
CHECKED BY	JN
DATE	10/29/2025





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## KEY PLAN

SCALE

## REVISIONS

[illegible]

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APPROVED BY	PE
CHECKED BY	JQ
DATE	10/29/2025

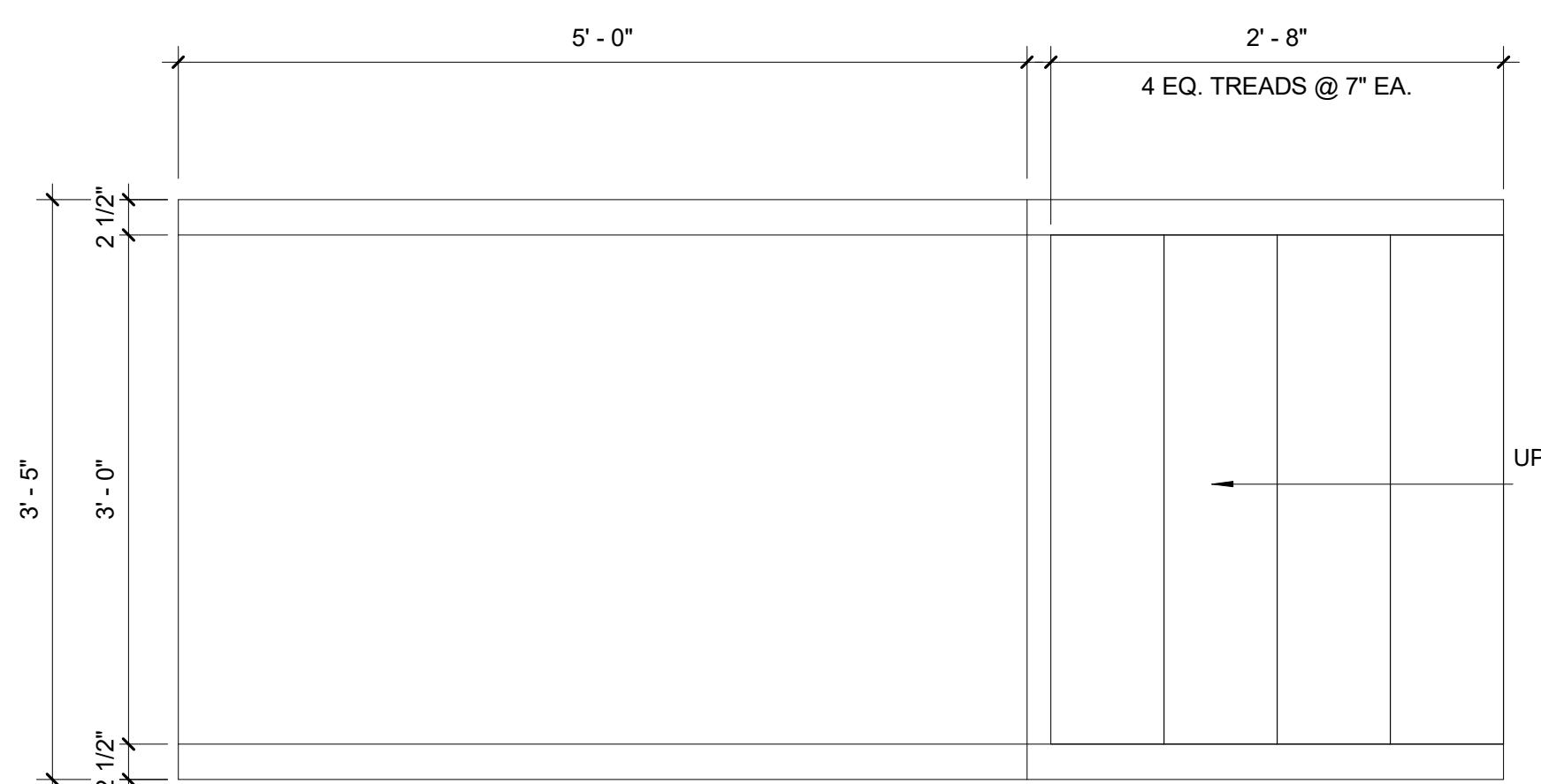
TITLE

## ROOF DETAILS

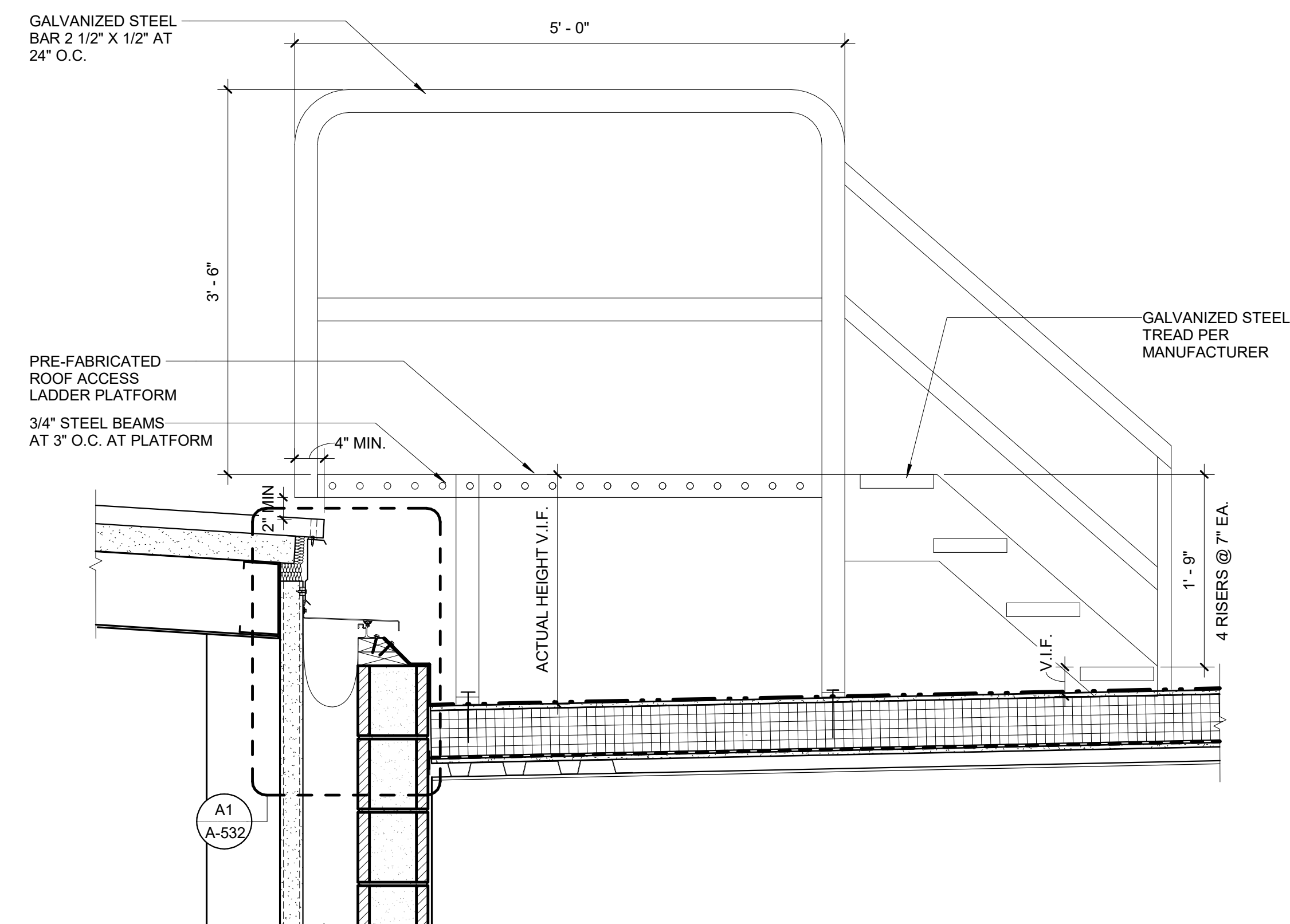
PROJECT NO.	50184767
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A-534

SHEET NO.



**C1** ROOF STAIR ACCESS PLATFORM PLAN DETAIL  
Scale: 1" = 1'-0"

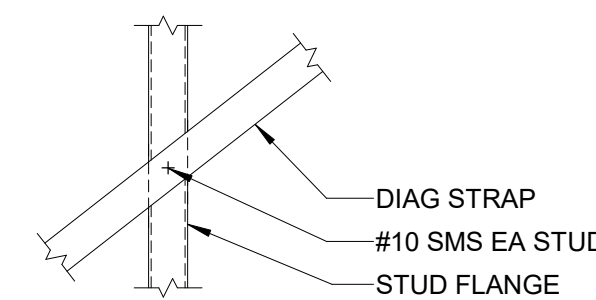


**A1** ROOF STAIR ACCESS PLATFORM SECTION DETAIL  
Scale: 1" = 1'-0"

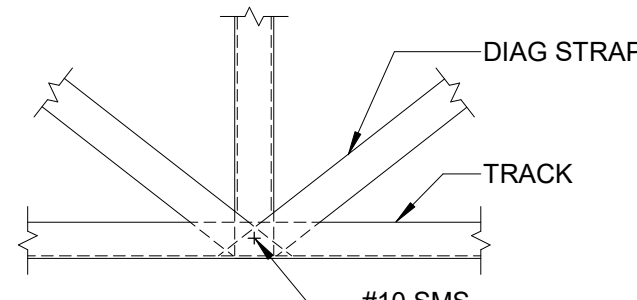




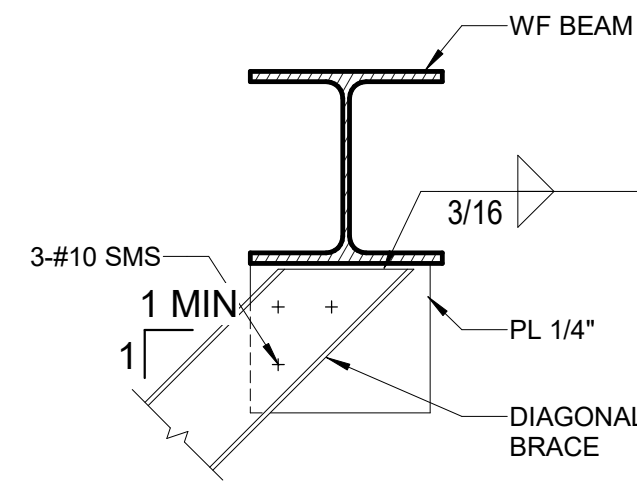




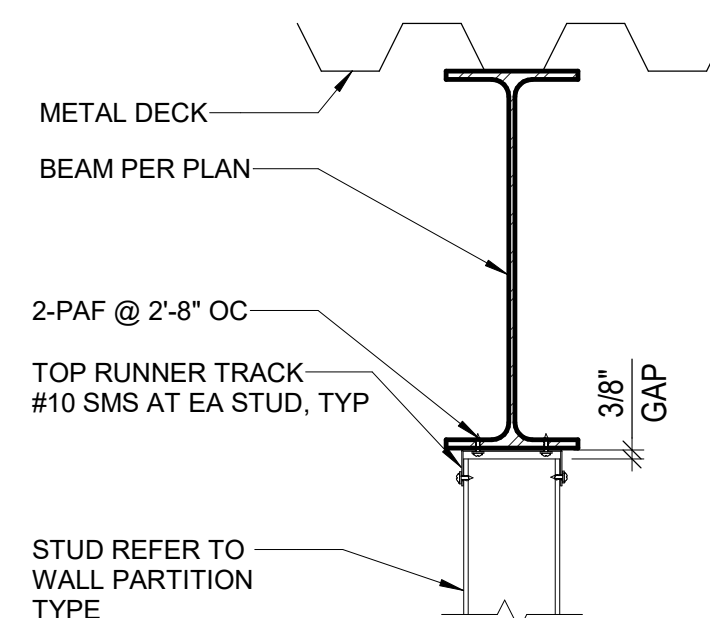
**DETAIL**



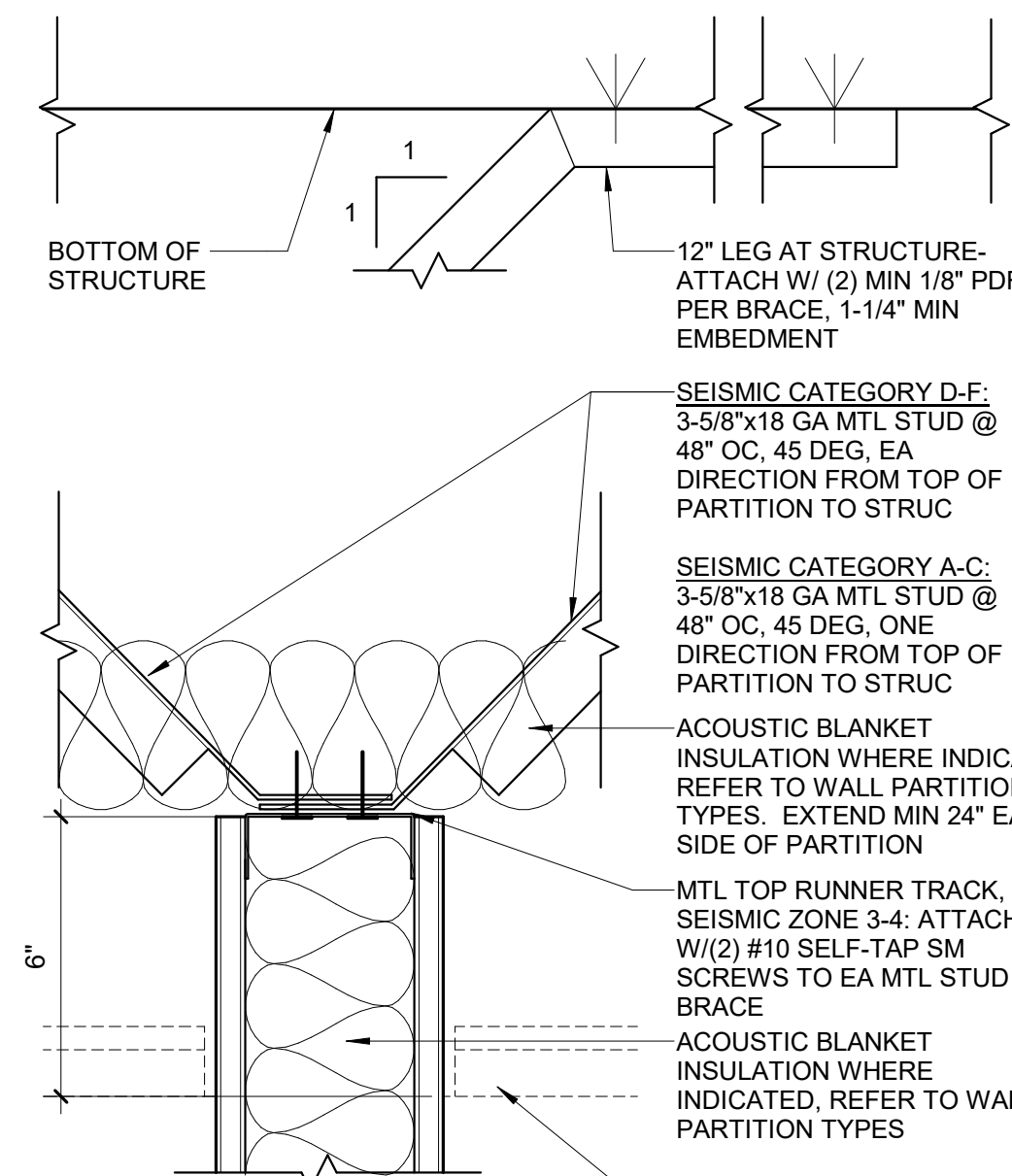
**C** **DETAIL**



PARTITION DETAIL -  
BRACE TO WF BM BOT FLANGE



### TYPICAL TOP TRACK AT WALL UNDER BEAM



PARTITION DETAIL -  
 NON-RATED W/DIA.BRACES

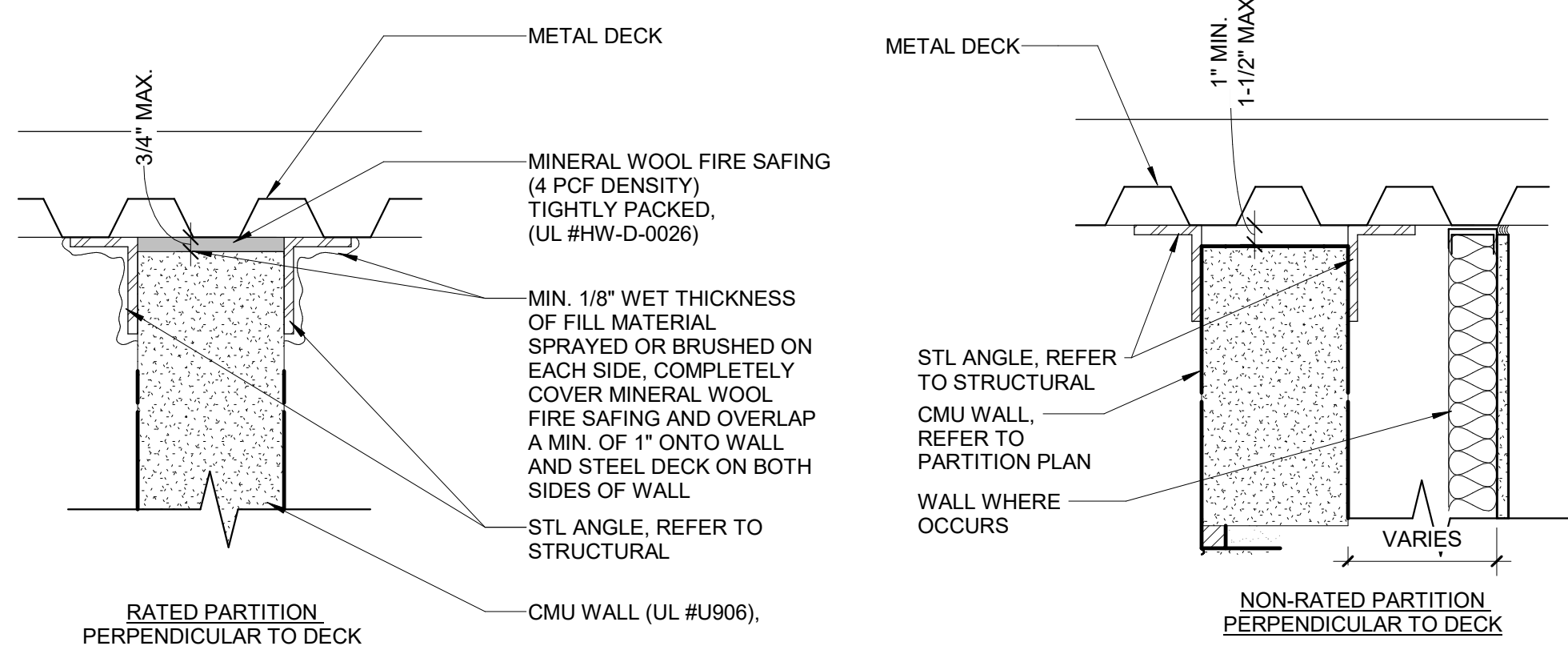
**E1** PARTITION DETAIL - TYPICAL BRACE AT STEEL DECK  
Scale: 1" = 1'-0"

**E2 PARTITION DETAIL - IN PLACE BRACING**  
Scale: 1 1/2" = 1'-0"

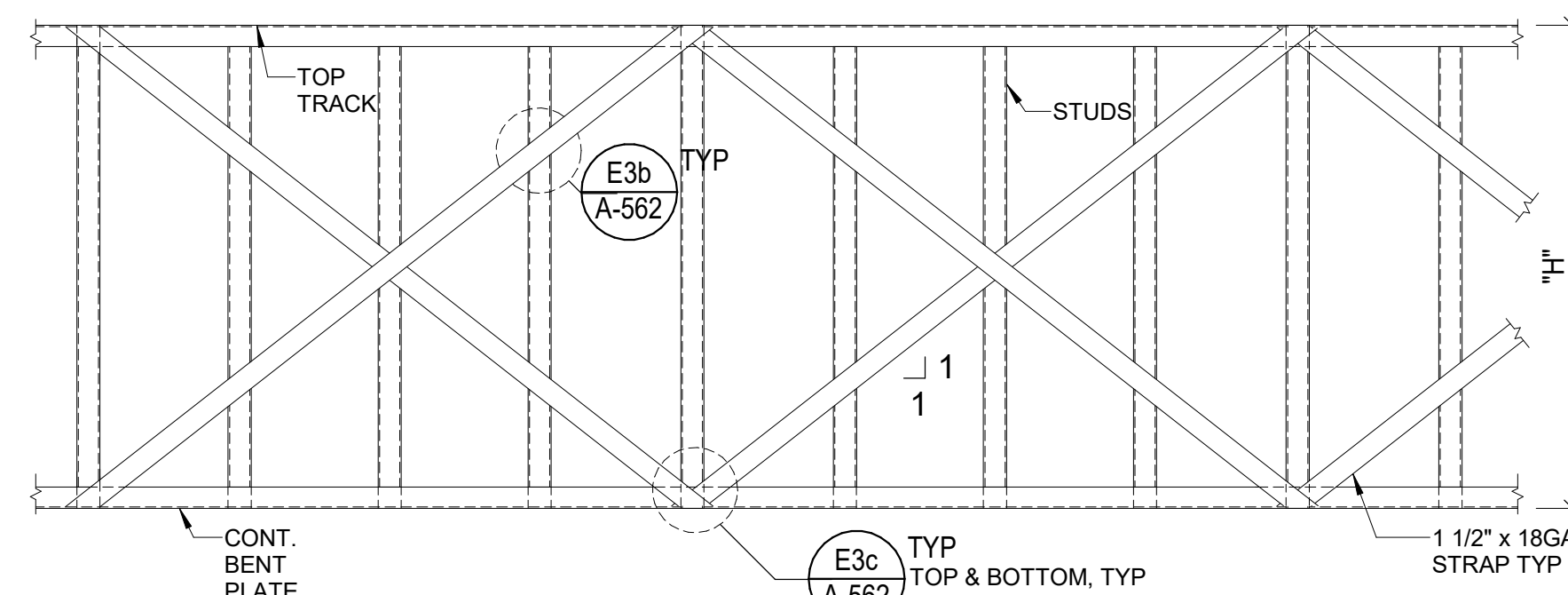
**E4** BRACE TO WF BM BOT FLANGE  
Scale: 1 1/2" = 1'-0"

**E5 AT WALL UNDER BEAM**  
Scale: 1 1/2" = 1'-0"

**E6 NON-RATED W/DIA.BRACES**  
Scale: 3" = 1'-0"

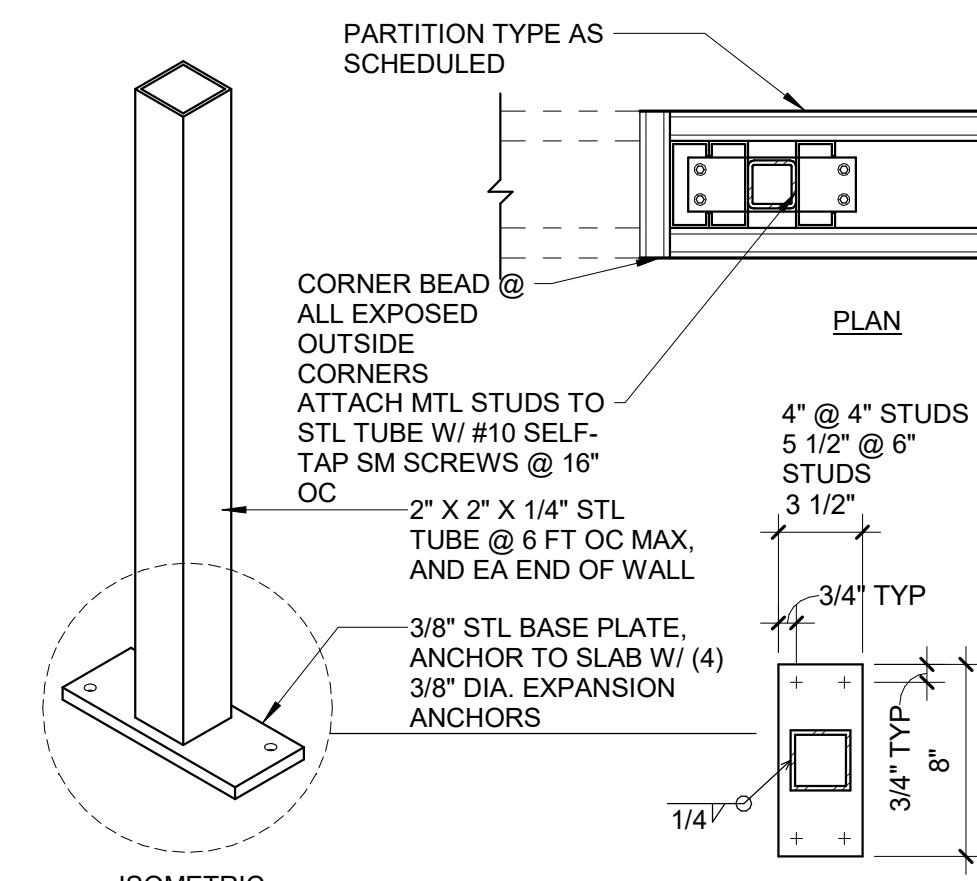


**D1** PARTITION DETAIL - CMU TO STRUCTURE  
Scale: 1 1/2" = 1'-0"

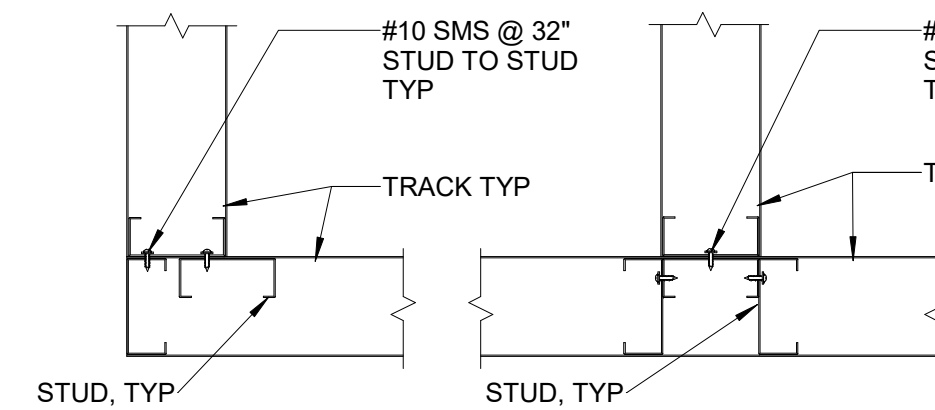


a WALL ELEVATION

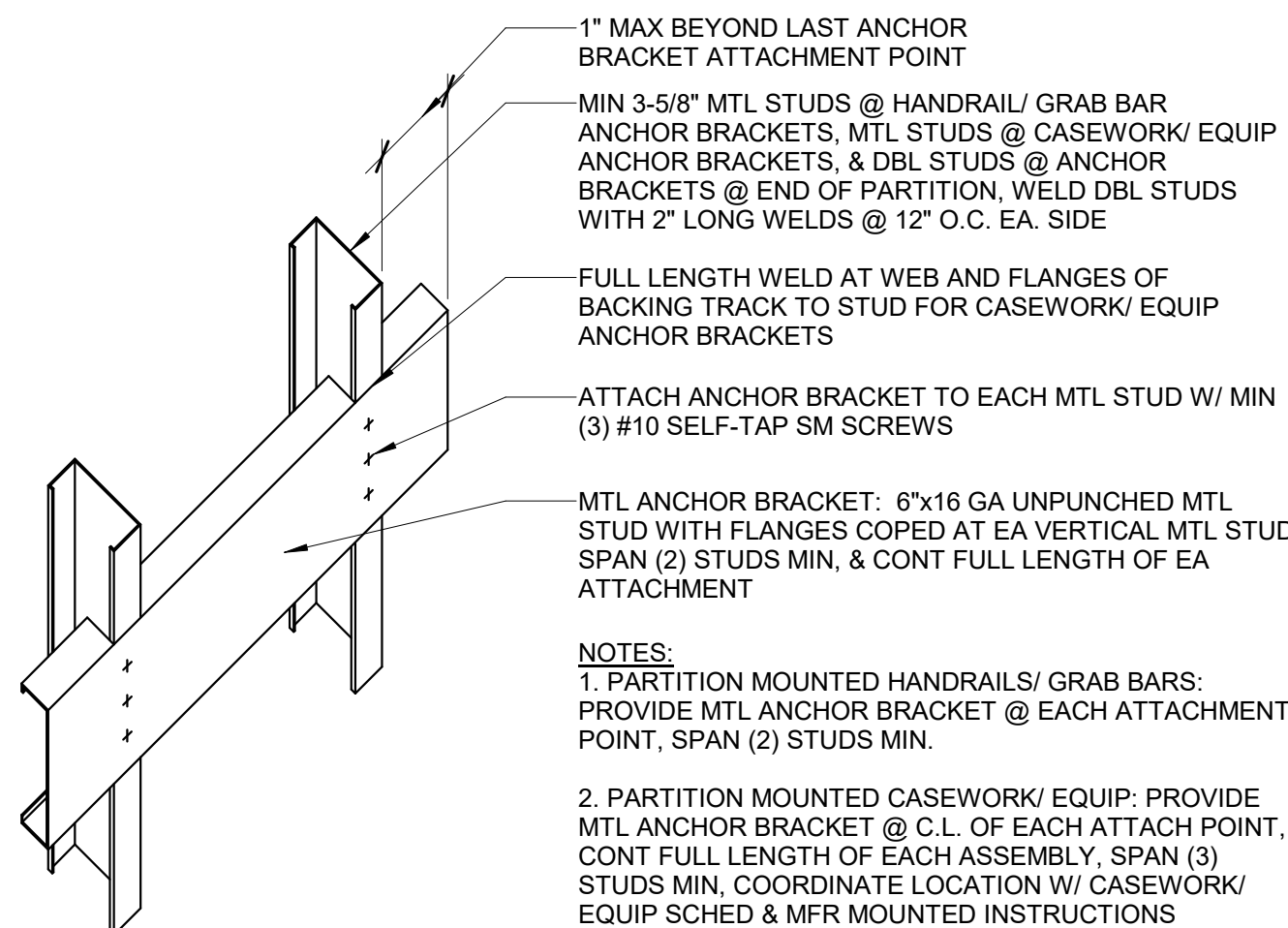
**D2** PARTITION DETAIL - IN PLANE BRACING ELEVATION  
Scale: 1" = 1'-0"



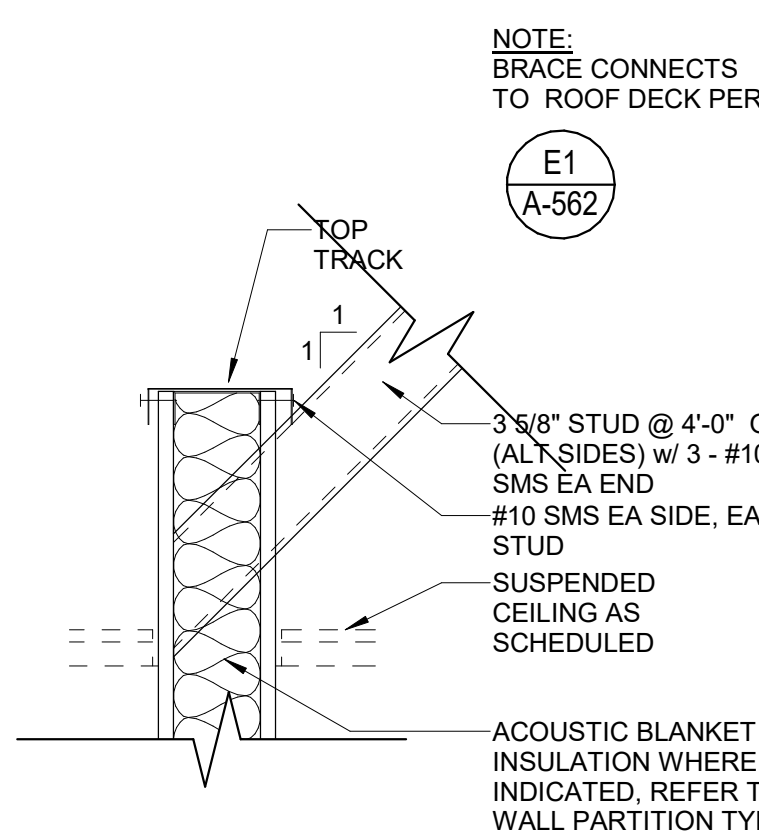
PARTITION DETAIL  
- LOW HEIGHT PARTITION SUPPORT POST  
Scale: 1 1/2" = 1'-0"



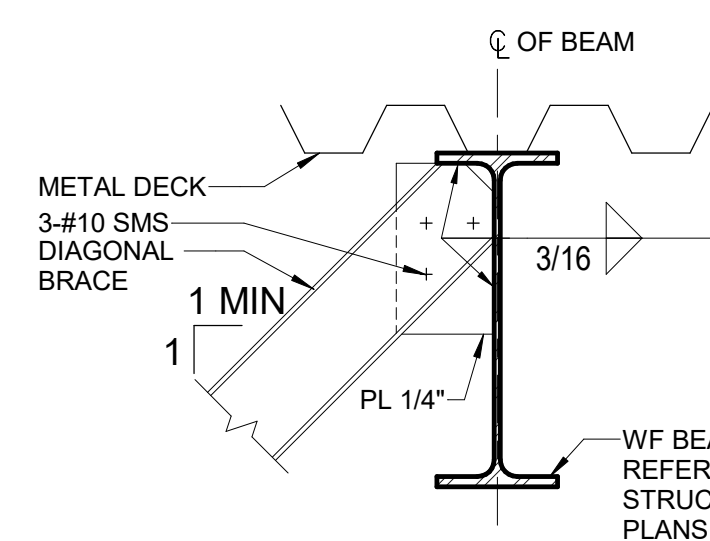
PARTITION DETAIL -  
 WALL CORNERS AND INTERSECTIONS  
 Scale: 1 1/2" = 1'-0"



**B1** PARTITION DETAIL - ANCHOR BRACKET  
Scale: 1 1/2" = 1'-0"

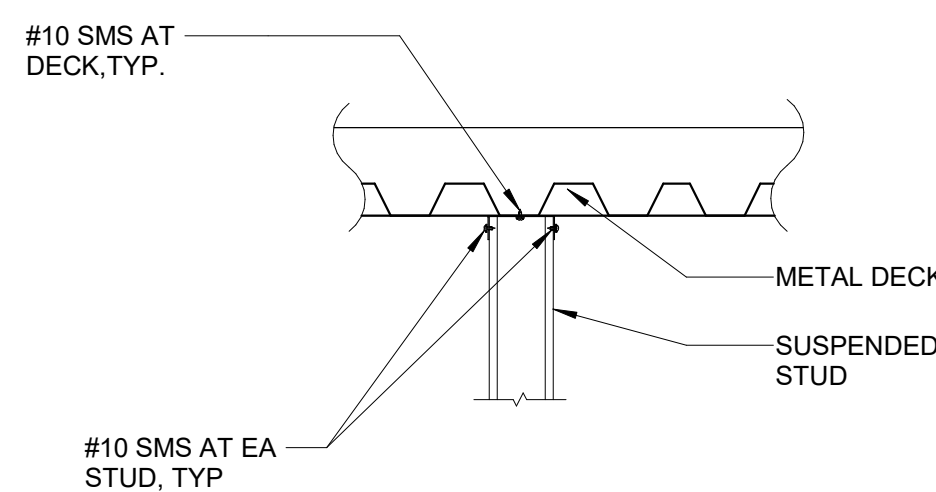


## PARTITION DETAIL - BARCE TO NON-FULL HEIGHT PARTITION WALL

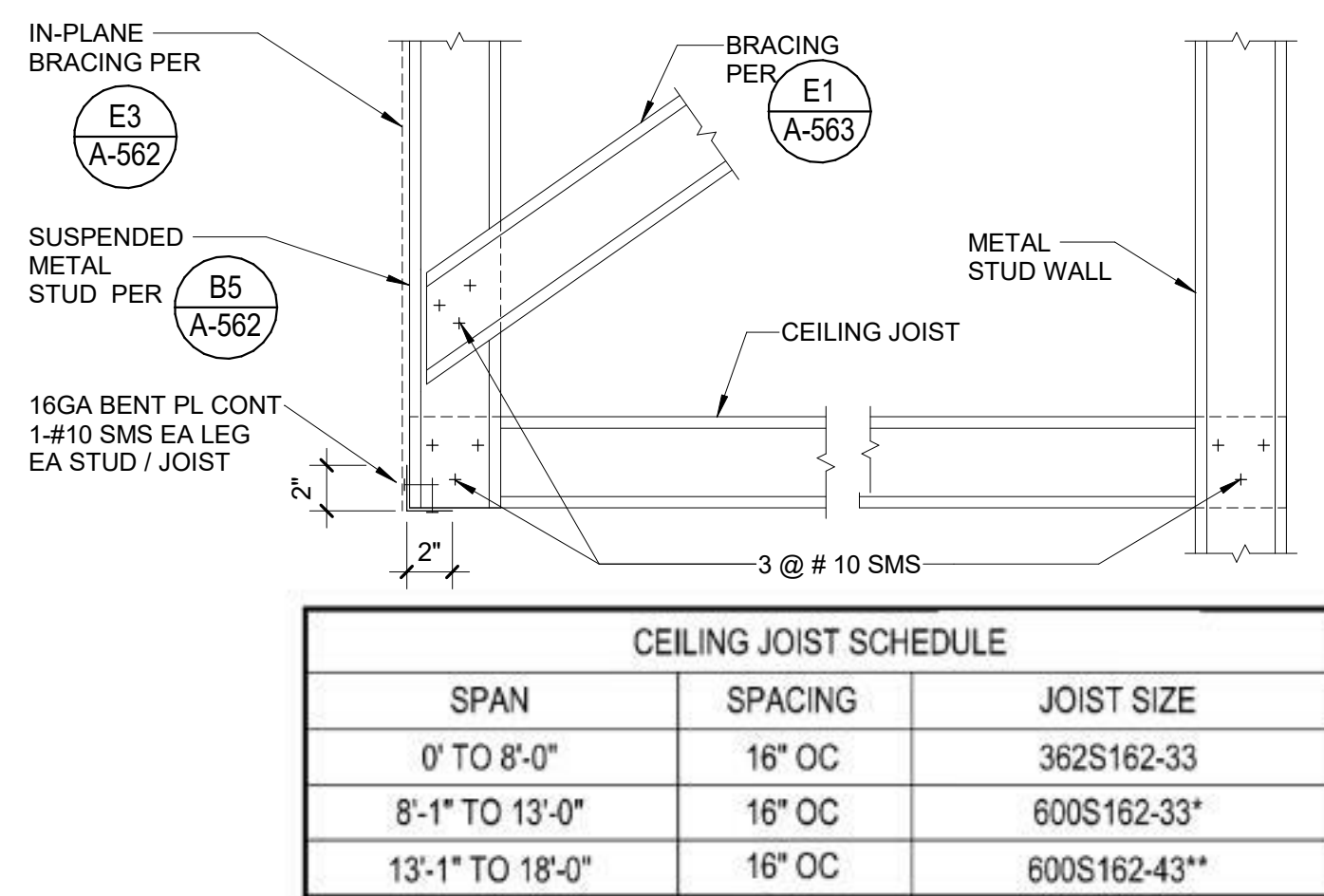


**PARTITION DETAIL -  
BRACE TO WF BEAM CONNECTION DETAIL**

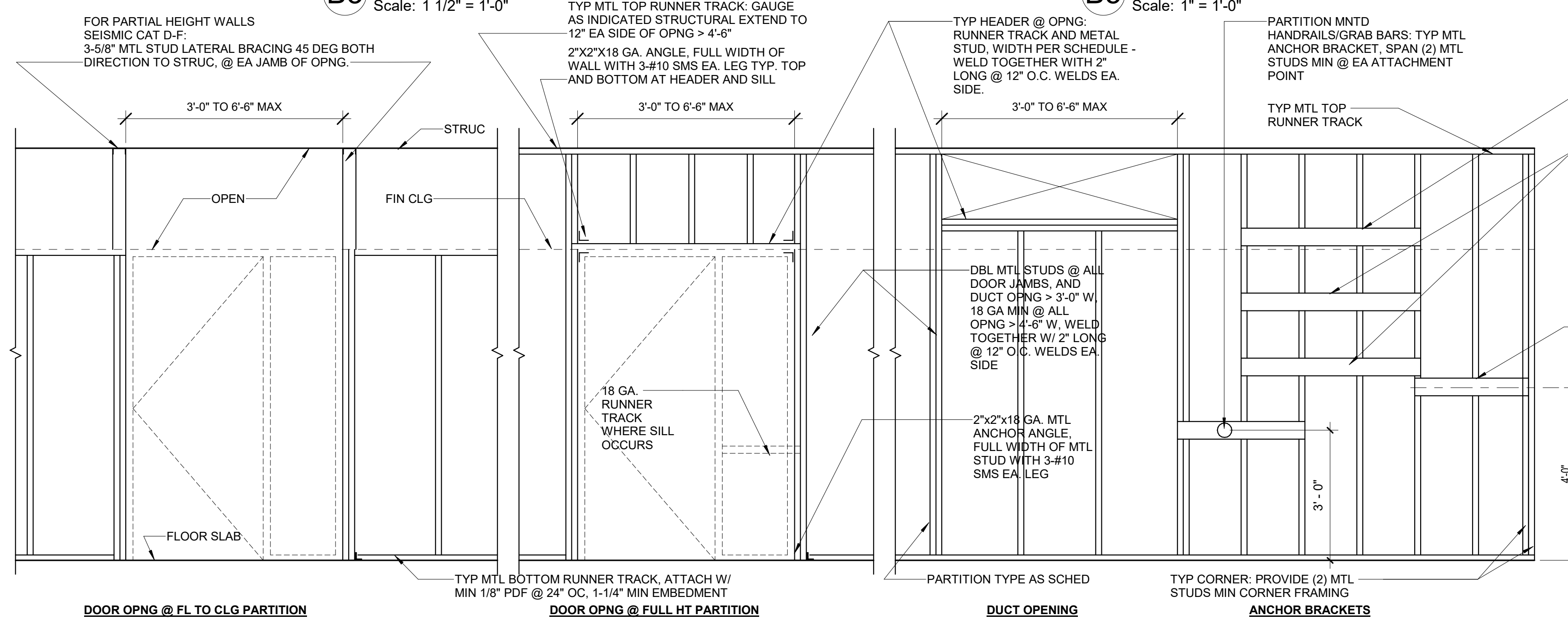
Scale: 1 1/2" = 1'-0" TYP MTL TOP RUNNER TRACK: GAUGE



**B5** PARTITION DETAIL - STUD AT METAL ROOF DECK  
Scale: 1" = 1'-0"



**A1** PARTITION DETAIL - SOFFIT CONNECTIONS  
Scale: 1 1/2" = 1'-0"



**A3** PARTITION DETAIL - STUD FRAMING DIAGRAM  
Scale: 1/2" = 1'-0"

SPAN	SPACING	JOIST SIZE
0' TO 8'-0"	16" OC	362S162-33
8'-1" TO 13'-0"	16" OC	600S162-33*
13'-1" TO 18'-0"	16" OC	600S162-43**

\* INDICATES STRONGBACK AND BLKG IS REQUIRED AT MID-SPAN.  
 \*\* INDICATES STRONGBACK AND BLKG IS REQUIRED AT THIRD-POINTS



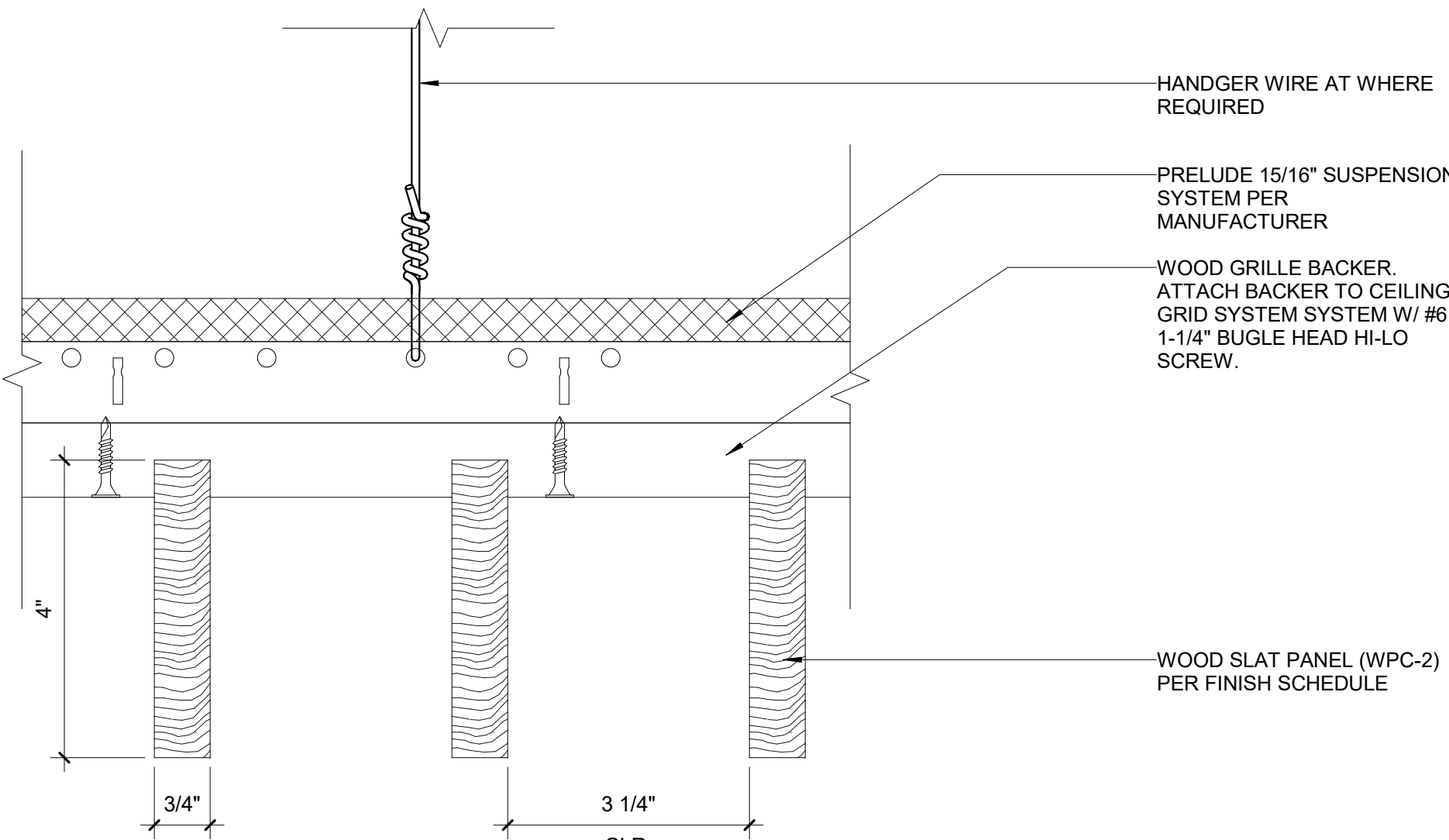




F  
E  
D  
C  
B  
A

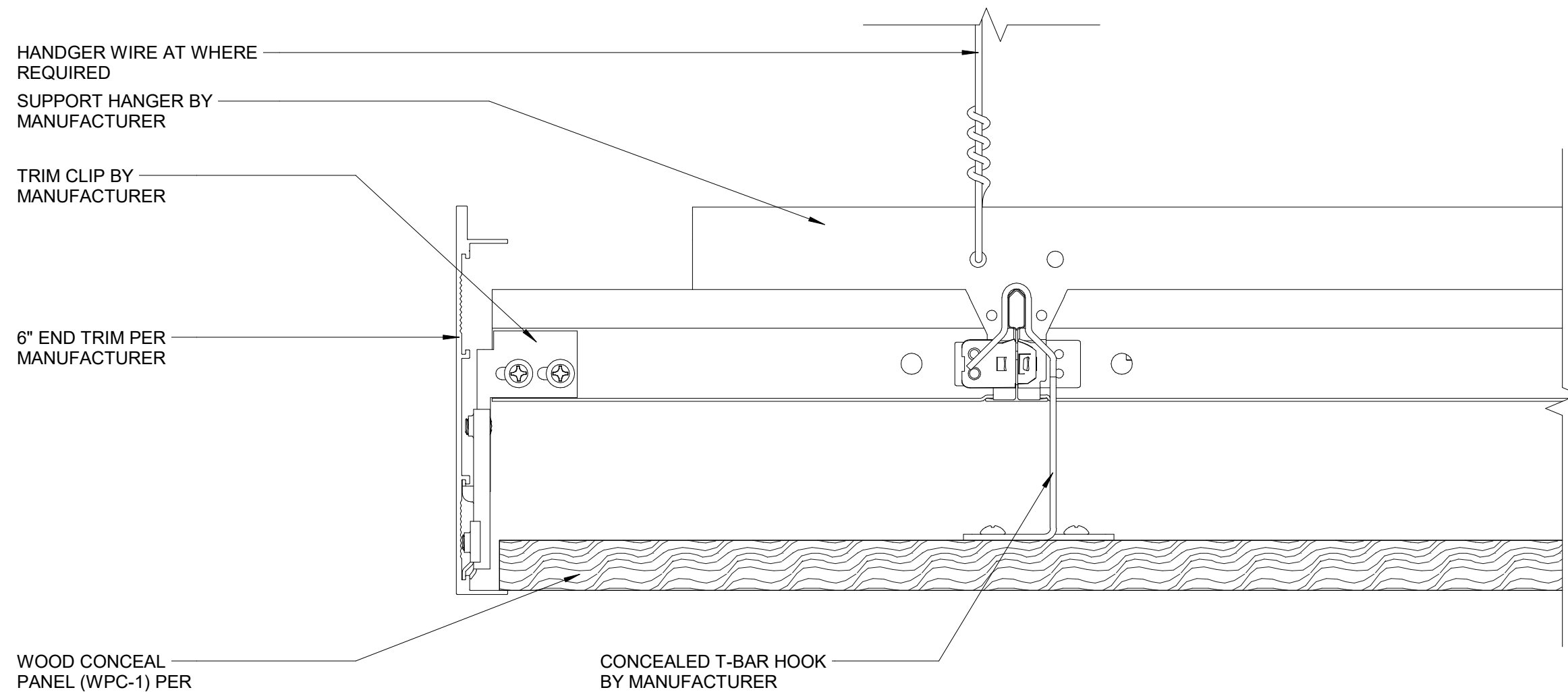
E1 SUSPENDED WOOD SLAT CEILING DETAIL

Scale: 6" = 1'-0"



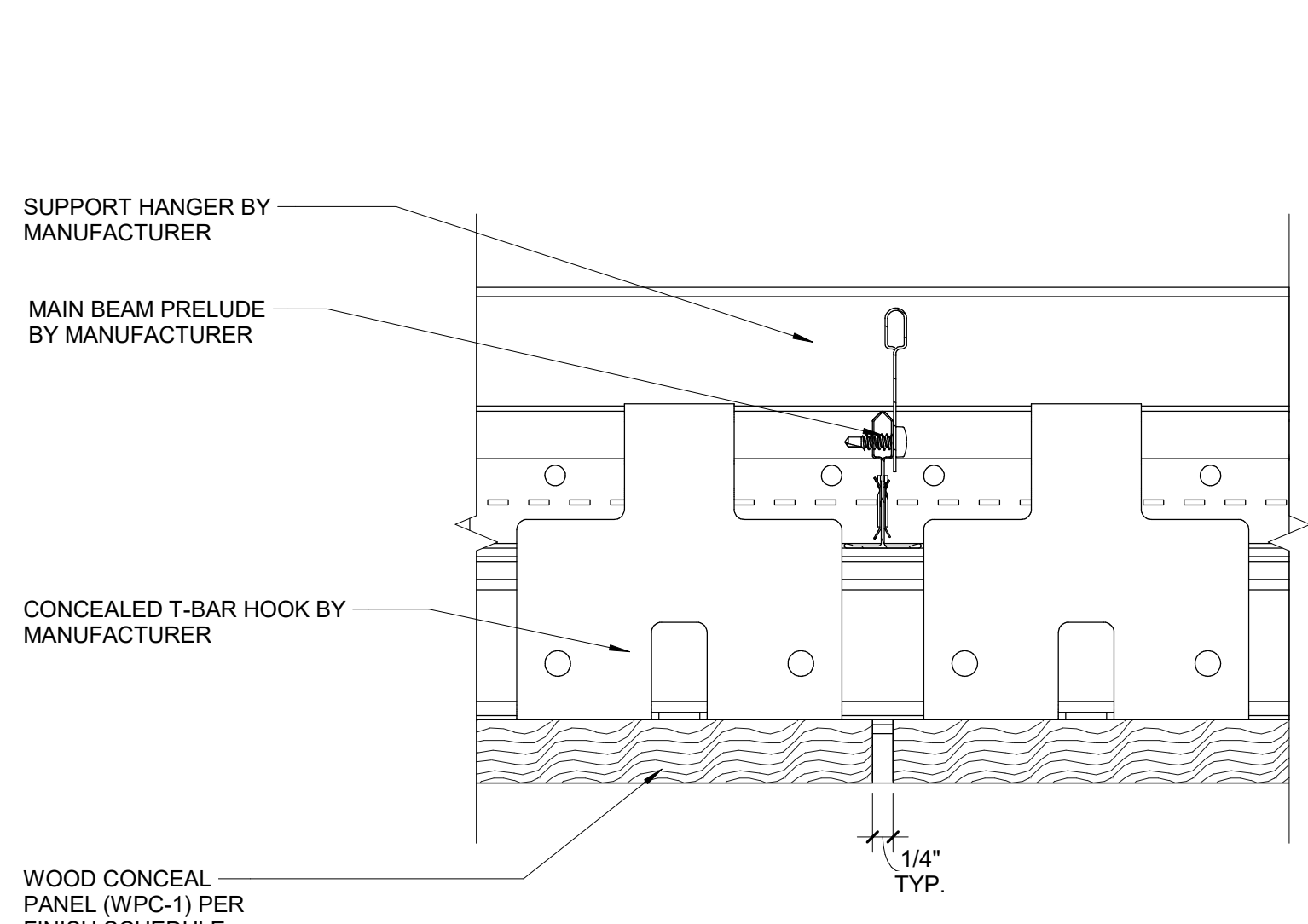
E3 SUSPENDED WOOD PANEL CEILING PERIMETER DETAIL

Scale: 6" = 1'-0"



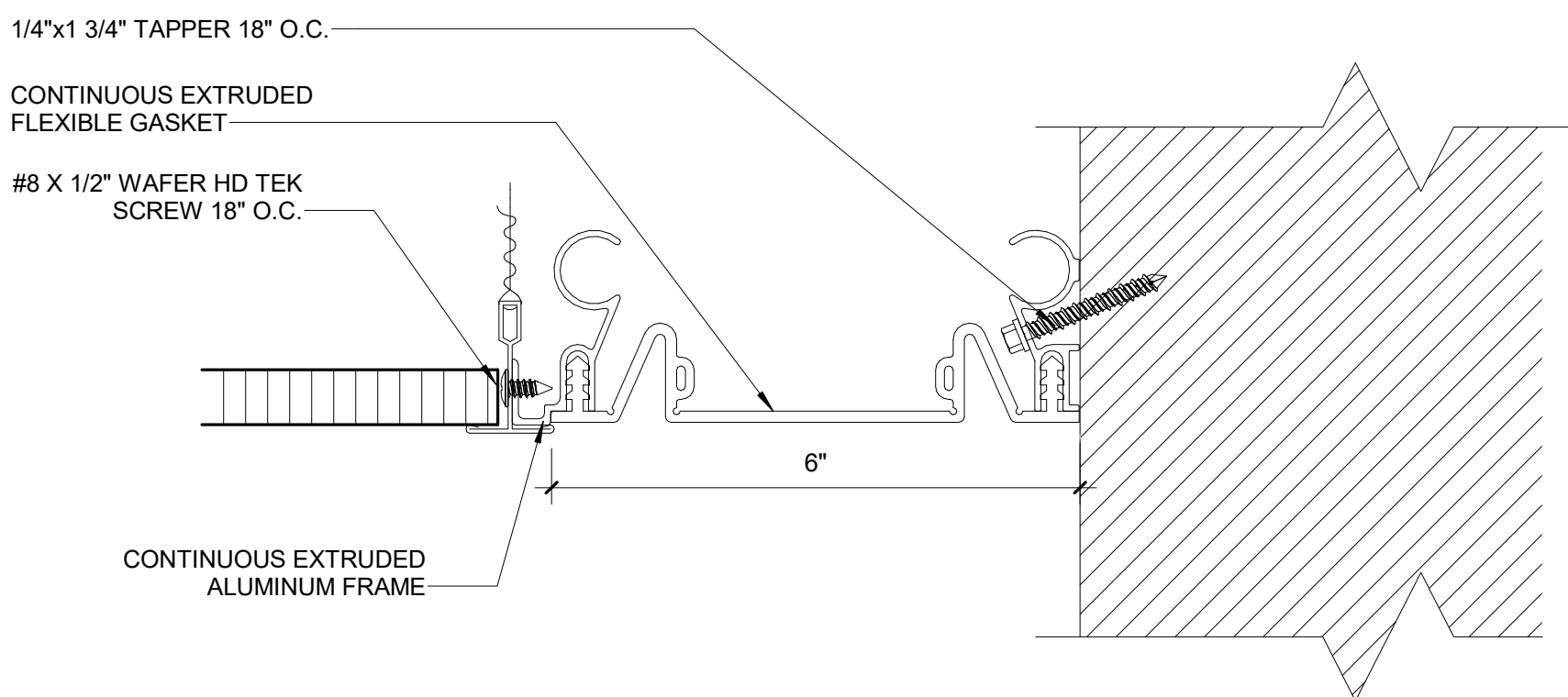
E5 SUSPENDED WOOD PANEL CEILING DETAIL

Scale: 6" = 1'-0"



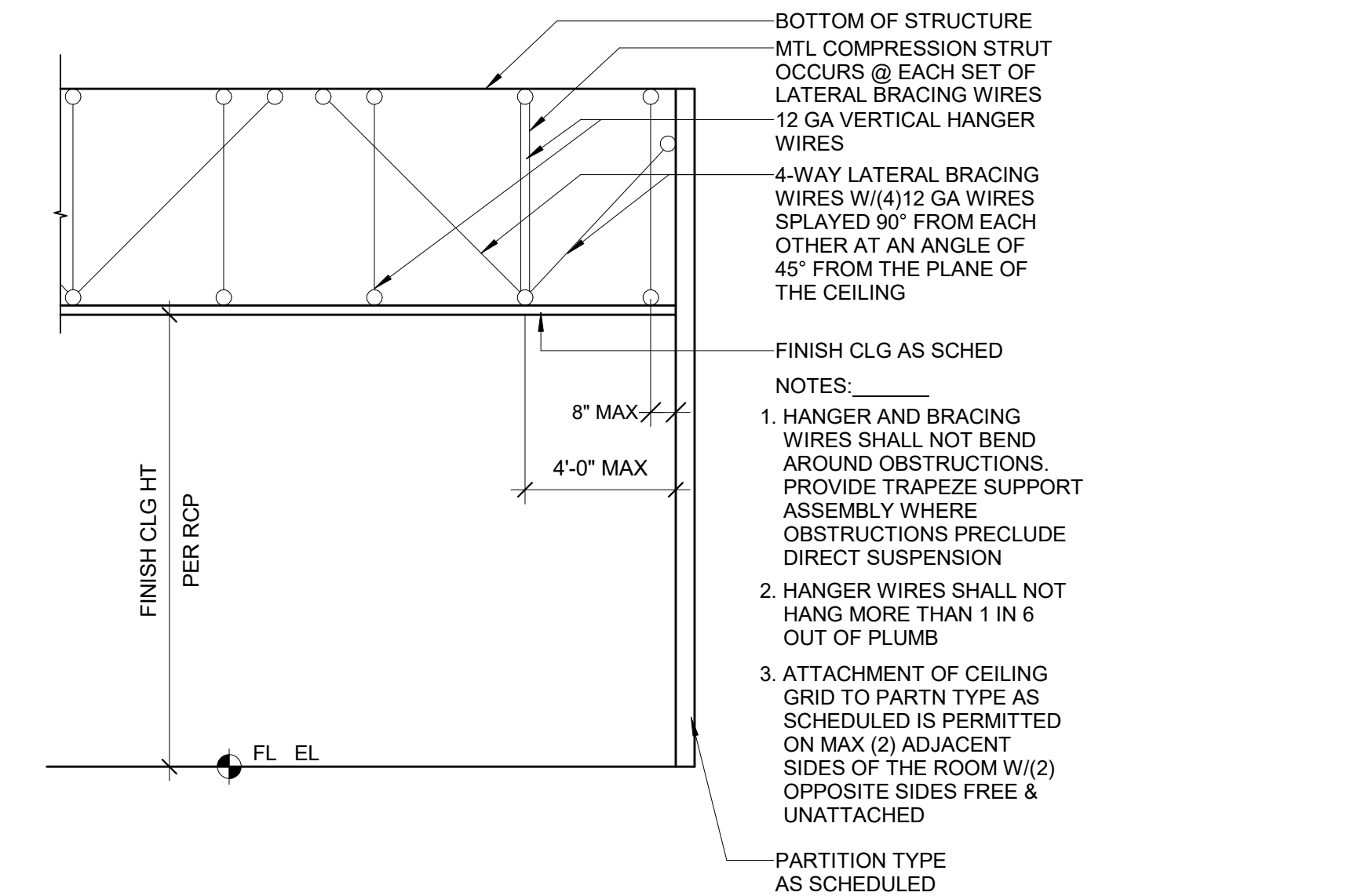
D1 SUSPENDED WOOD SLAT CEILING PERIMETER DETAIL

Scale: 6" = 1'-0"



B3 GYPSUM BOARD CEILING SUSPENSION SYSTEM

Scale: 3" = 1'-0"

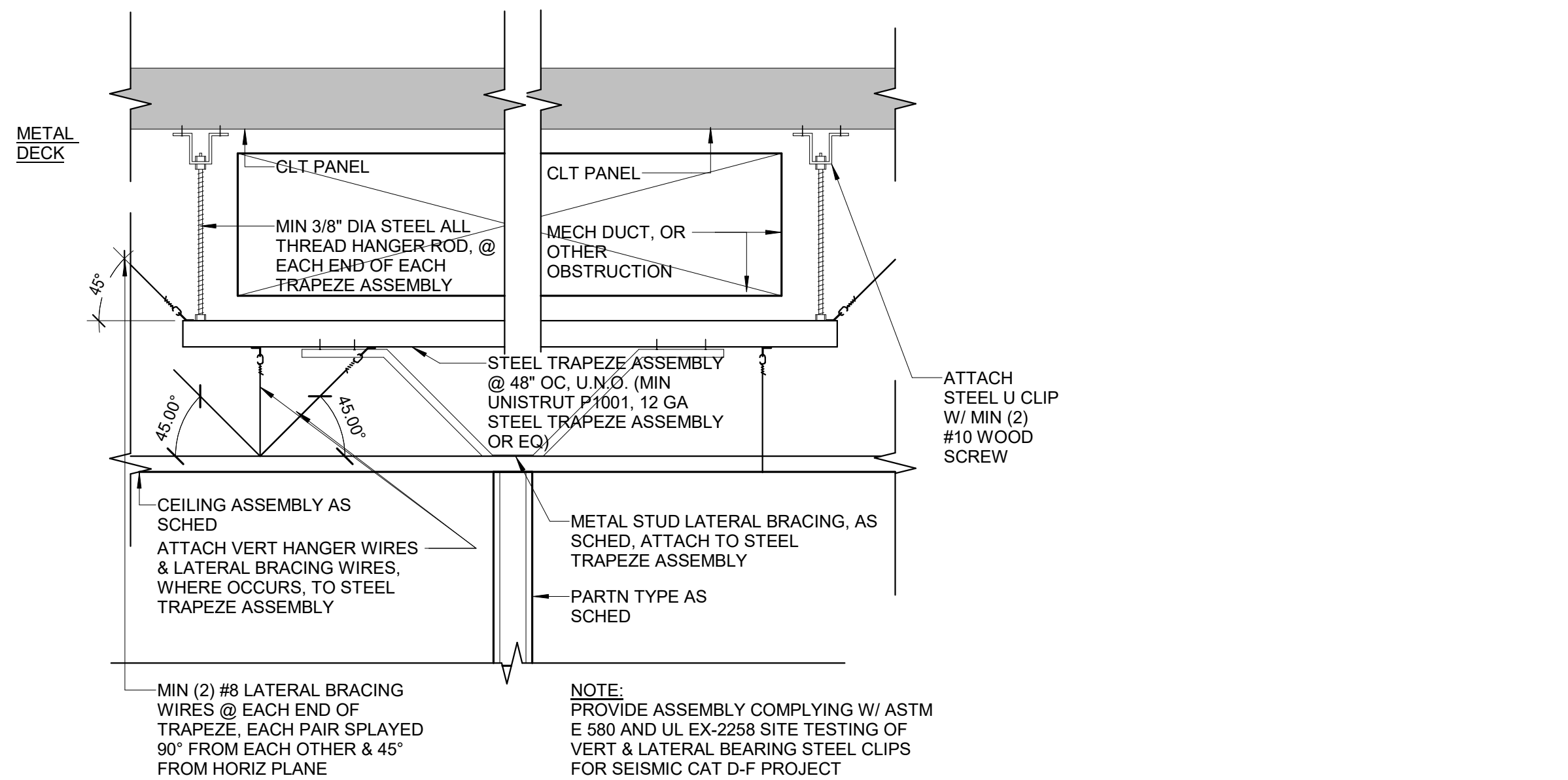


A3 APC CEILING FRAMING SECTION

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

B4 LIGHT FIXTURE IN SUSPENDED CEILING

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

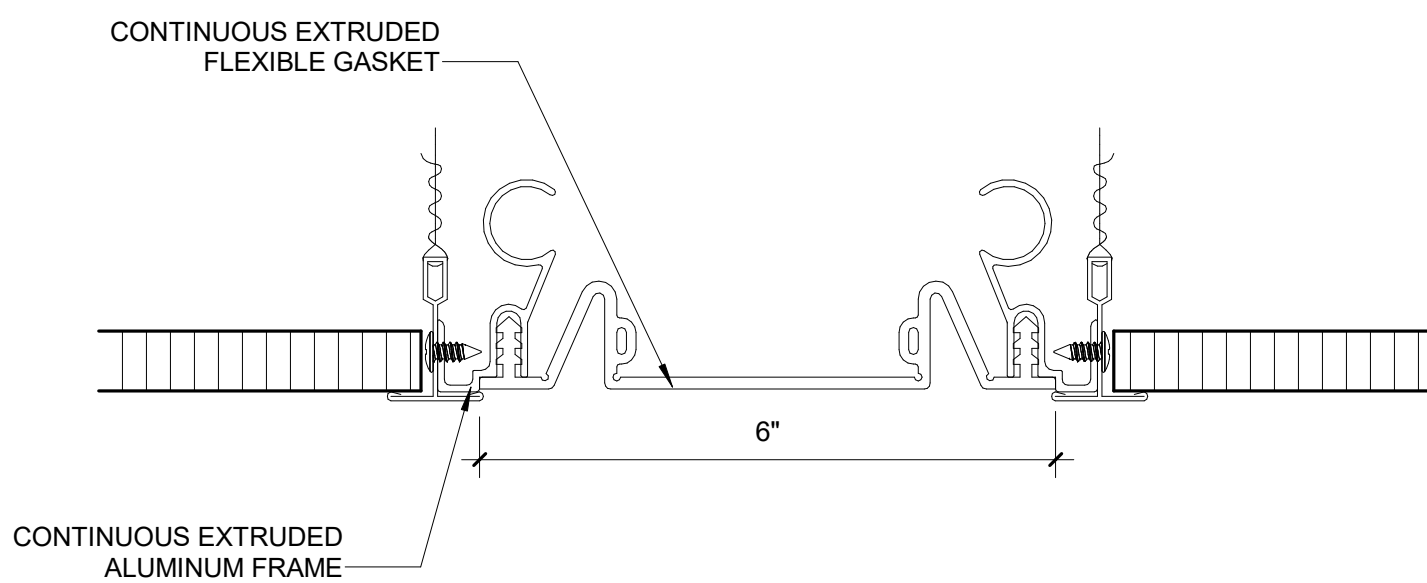


A5 TRAPEZE SUPPORT DETAIL

Scale: 1" = 1'-0"

B1 GYPSUM BOARD CEILING EXPENSION JOINT DETAIL - CEILING TO WALL

Scale: 6" = 1'-0"



A1 GYPSUM BOARD CEILING EXPENSION JOINT DETAIL- CEILING TO CEILING

Scale: 6" = 1'-0"



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

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402 Mast Avenue  
McFarland, CA 93250

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025  
TITLE

INTERIOR  
CEILING DETAILS

PROJECT NO. 50184787

A-564

SHEET NO.



10/29/2025 2:11:37 PM

A

B

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E

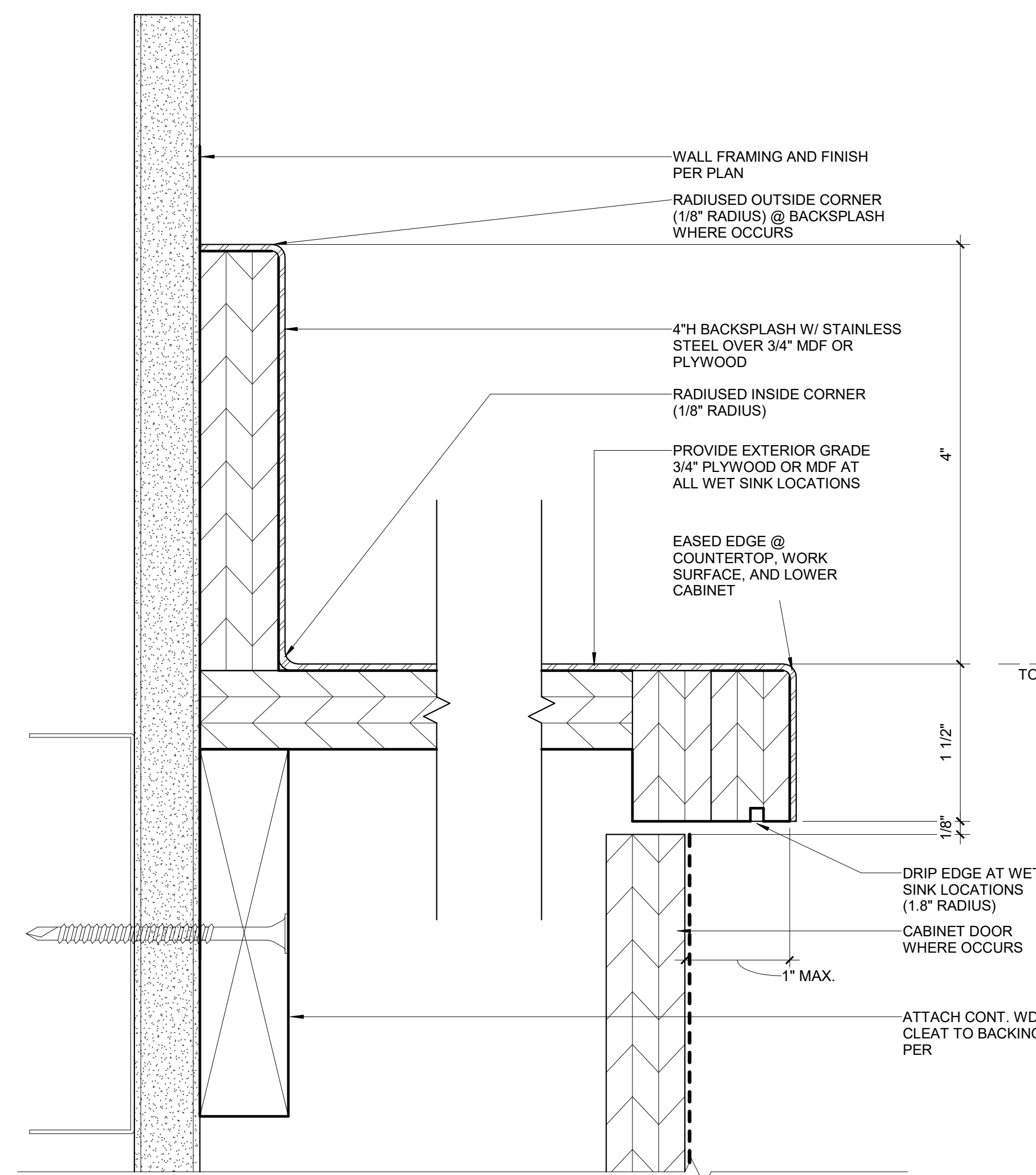
F

**A1** STAINLESS STEEL BACKSPASH & COUNTERTOP

Scale: 12" = 1'-0"

**C1** SIDE APPROACH SINK COUNTER

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

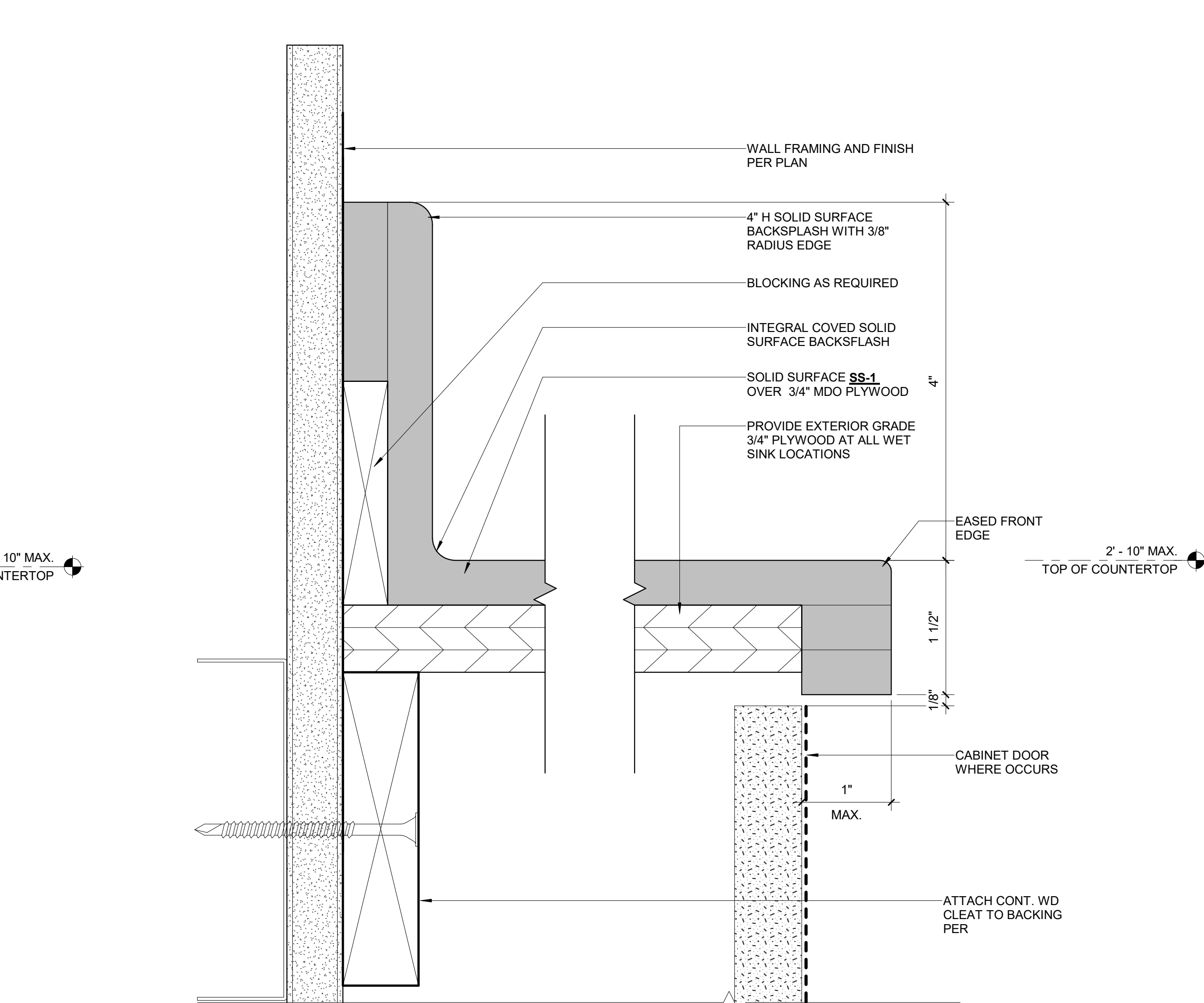


**A2** SOLID SURFACE BACKSPASH & COUNTERTOP

Scale: 12" = 1'-0"

**C2** FRONT APPROACH RESTROOM SINK COUNTER

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

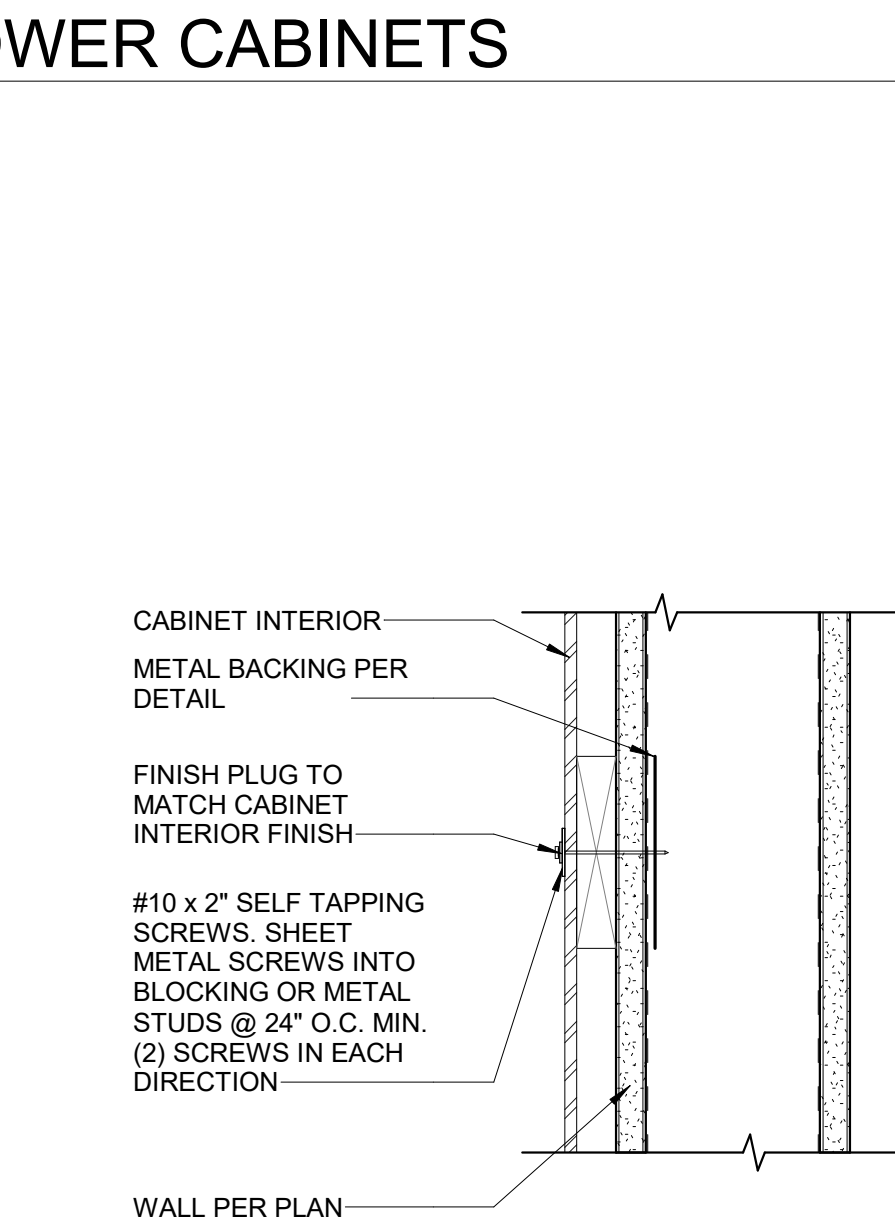


**A5** CABINET BASE ANCHORAGE

Scale: 3" = 1'-0"

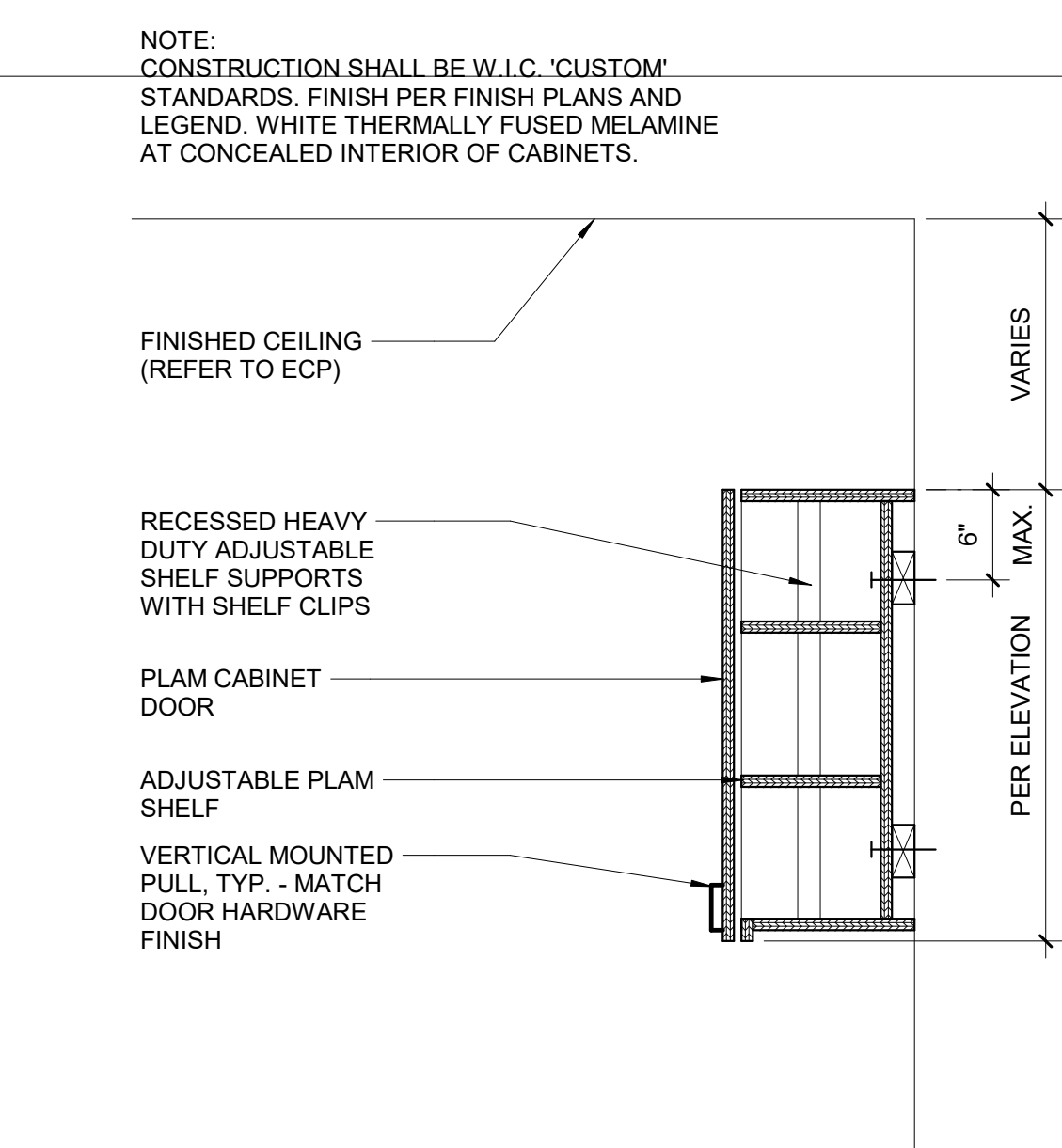
**B5** ANCHORAGE AT METAL STUD

Scale: 3" = 1'-0"



**B6** UPPER CABINET

Scale: 1" = 1'-0"



**NOTE:**  
CUSTOM GRADE CABINET TO BE 3/4" MDO PLYWOOD CONSTRUCTION WITH HPDL (HIGH PRESSURE DECORATIVE LAMINATE). FINISH ALL EXPOSED EXTERIOR SURFACES AND RETURNS. ALL INTERIOR SURFACES SHALL BE THERMOSET DECORATIVE OVERLAY (MELAMINE). DRAWERS AND DOORS SHALL INCLUDE KEYED LOCKS.

**NOTE:**  
THERE SHALL BE NO SHARP OR ABRASIVE SURFACES BELOW COUNTER

**CASEWORK - WALL HUNG - ACCESSIBLE FRONT REACH SINK W/ APRON**

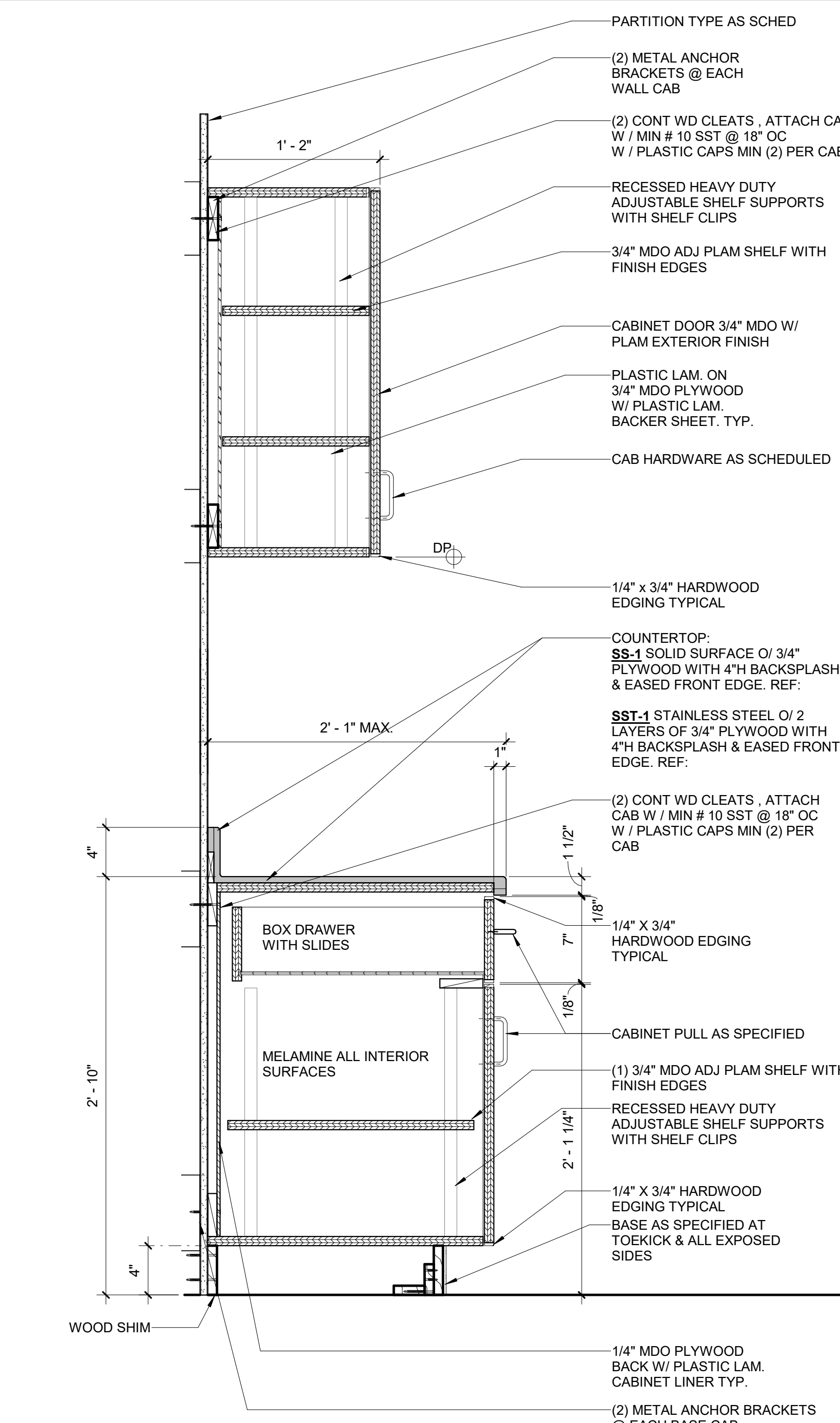
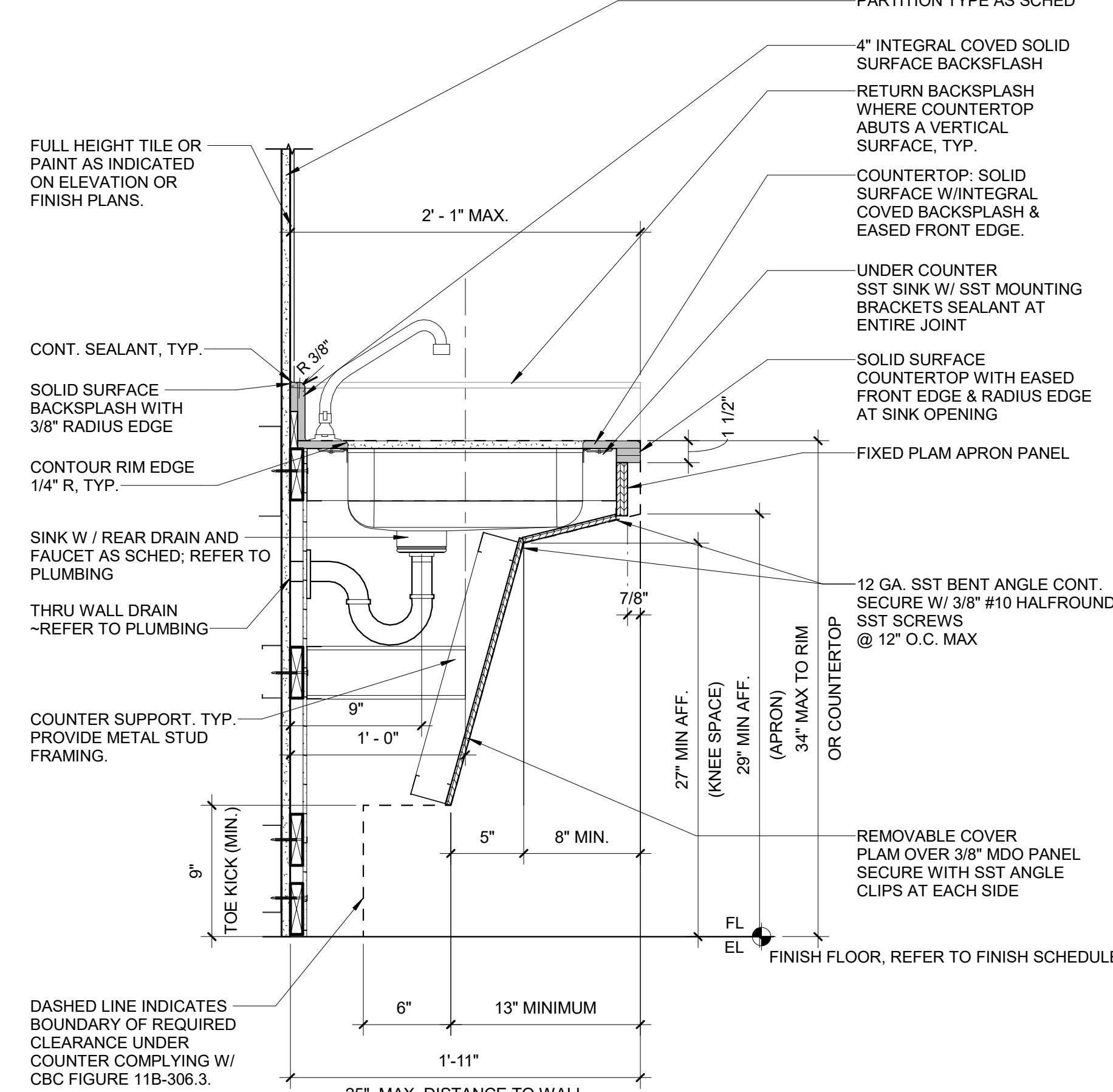
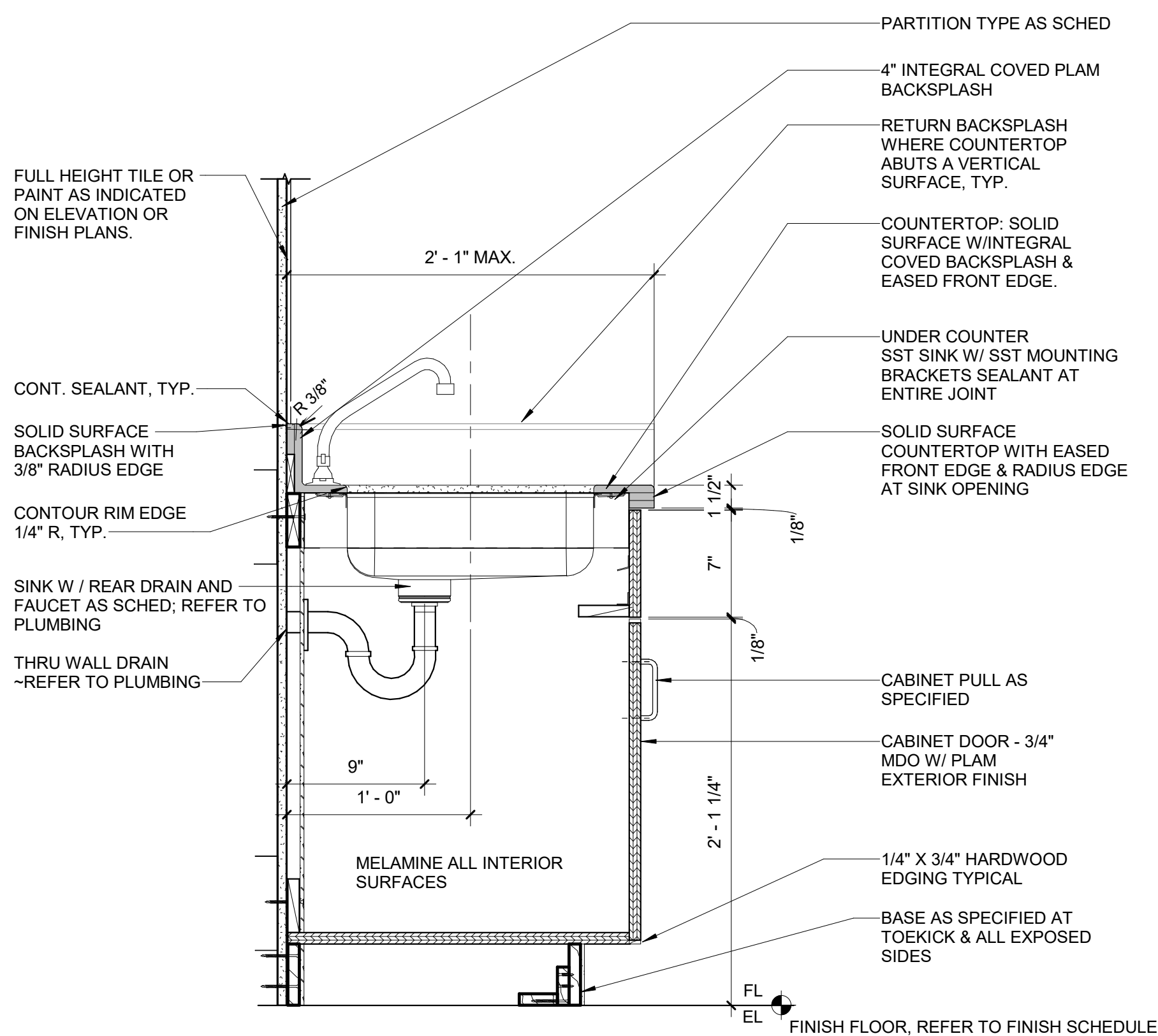
**NOTE:** CLEARANCE UNDER COUNTER SHALL COMPLY W/ ADAAG 4.19  
APRON: MIN 2'-3" AFF  
KNEE SPACE: 2'-3" AFF X 8" D  
TOE KICK: 9" H (MIN.) X 6" D (MAX.)

**NOTE:**  
CUSTOM GRADE CABINET TO BE 3/4" MDO PLYWOOD CONSTRUCTION WITH HPDL (HIGH PRESSURE DECORATIVE LAMINATE). FINISH ALL EXPOSED EXTERIOR SURFACES AND RETURNS. ALL INTERIOR SURFACES SHALL BE THERMOSET DECORATIVE OVERLAY (MELAMINE). DRAWERS AND DOORS SHALL INCLUDE KEYED LOCKS.

**NOTE:**  
THERE SHALL BE NO SHARP OR ABRASIVE SURFACES BELOW COUNTER

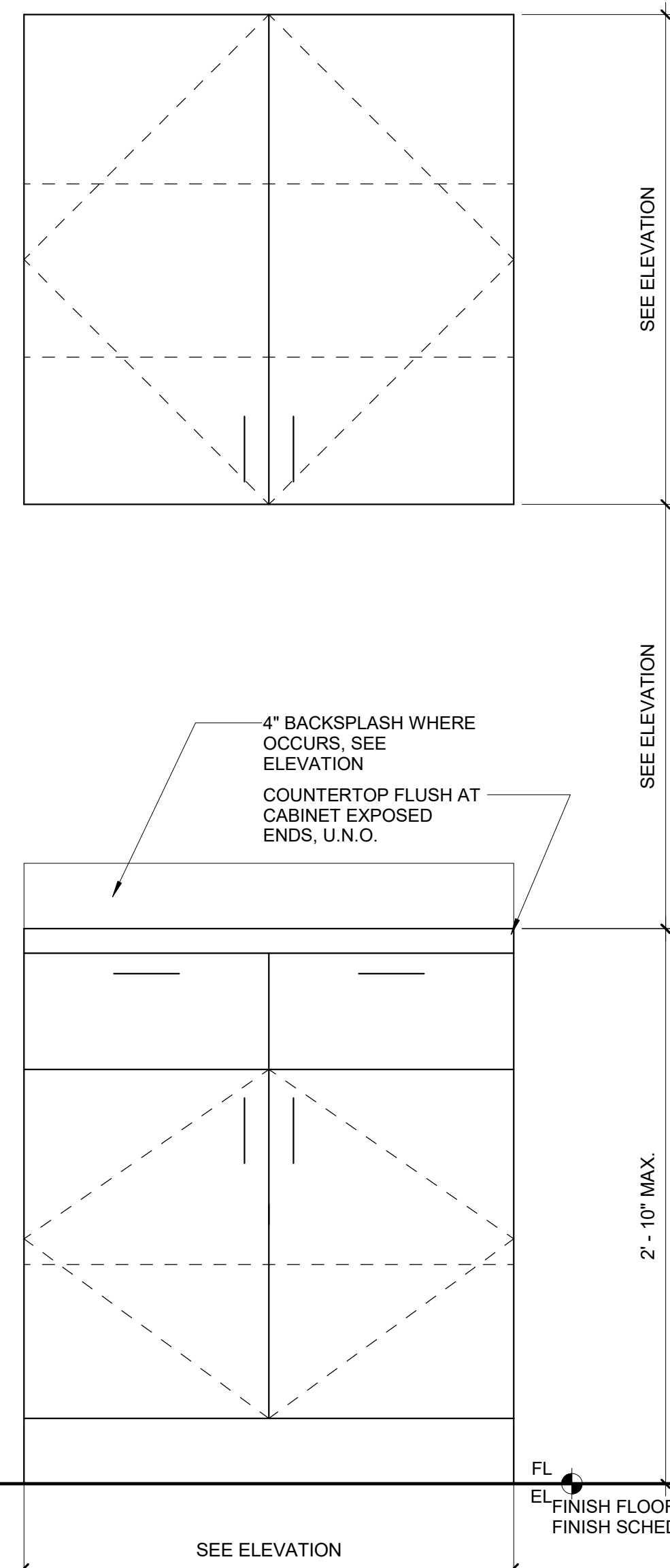
**C4** TYP. UPPER/ LOWER CABINETS

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



**CASEWORK - BASE - ADJ SHELF & DRAWER**

**NOTE:**  
CUSTOM GRADE CABINET TO BE 3/4" MDO PLYWOOD CONSTRUCTION WITH HPDL (HIGH PRESSURE DECORATIVE LAMINATE). FINISH ALL EXPOSED EXTERIOR SURFACES AND RETURNS. ALL INTERIOR SURFACES SHALL BE THERMOSET DECORATIVE OVERLAY (MELAMINE). DRAWERS AND DOORS SHALL INCLUDE KEYED LOCKS.



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KEY PLAN

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NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025  
TITLE

**MILLWORK & CASEWORK DETAILS**

PROJECT NO. 50184787

**A-565**

SHEET NO.

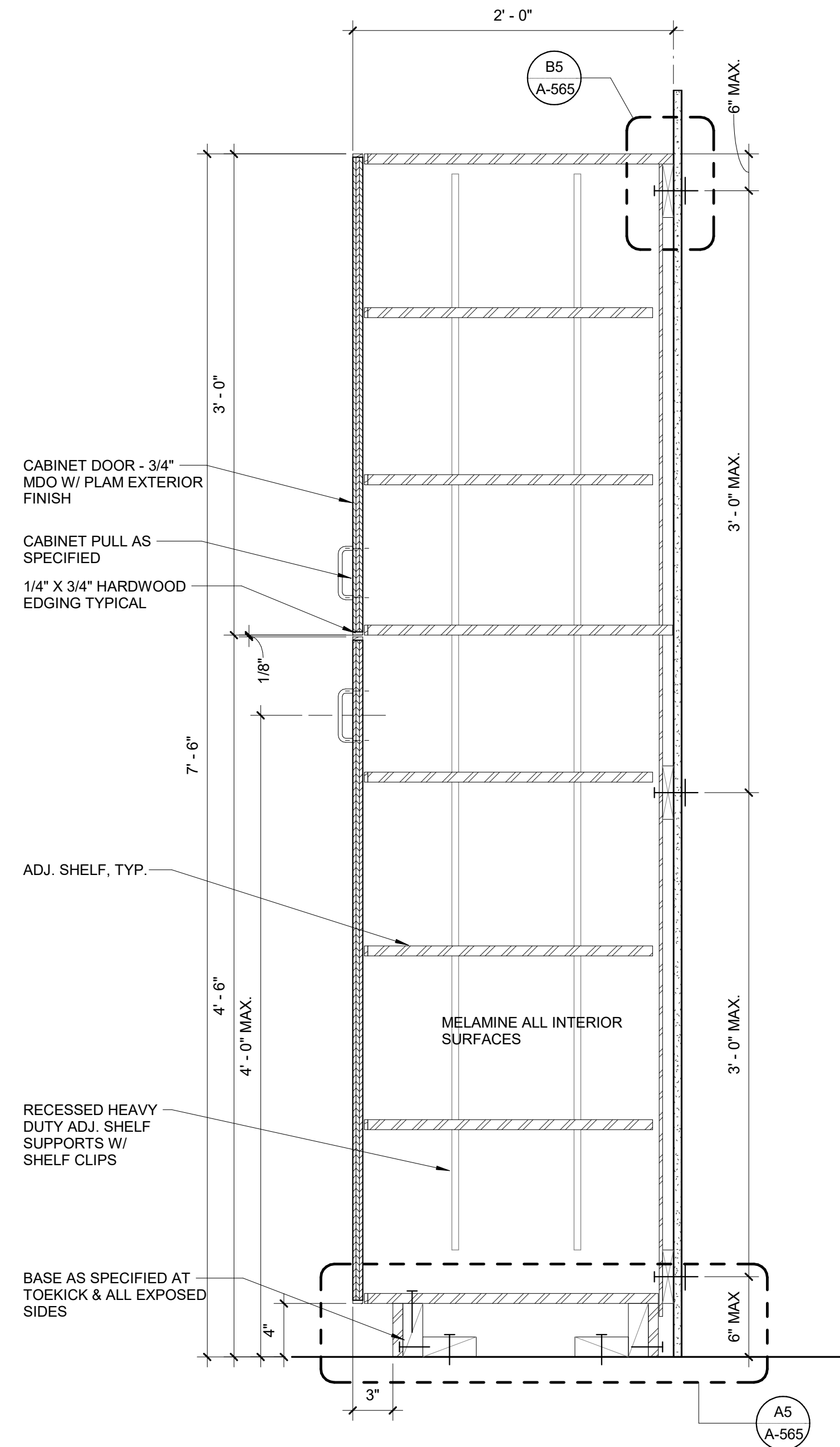




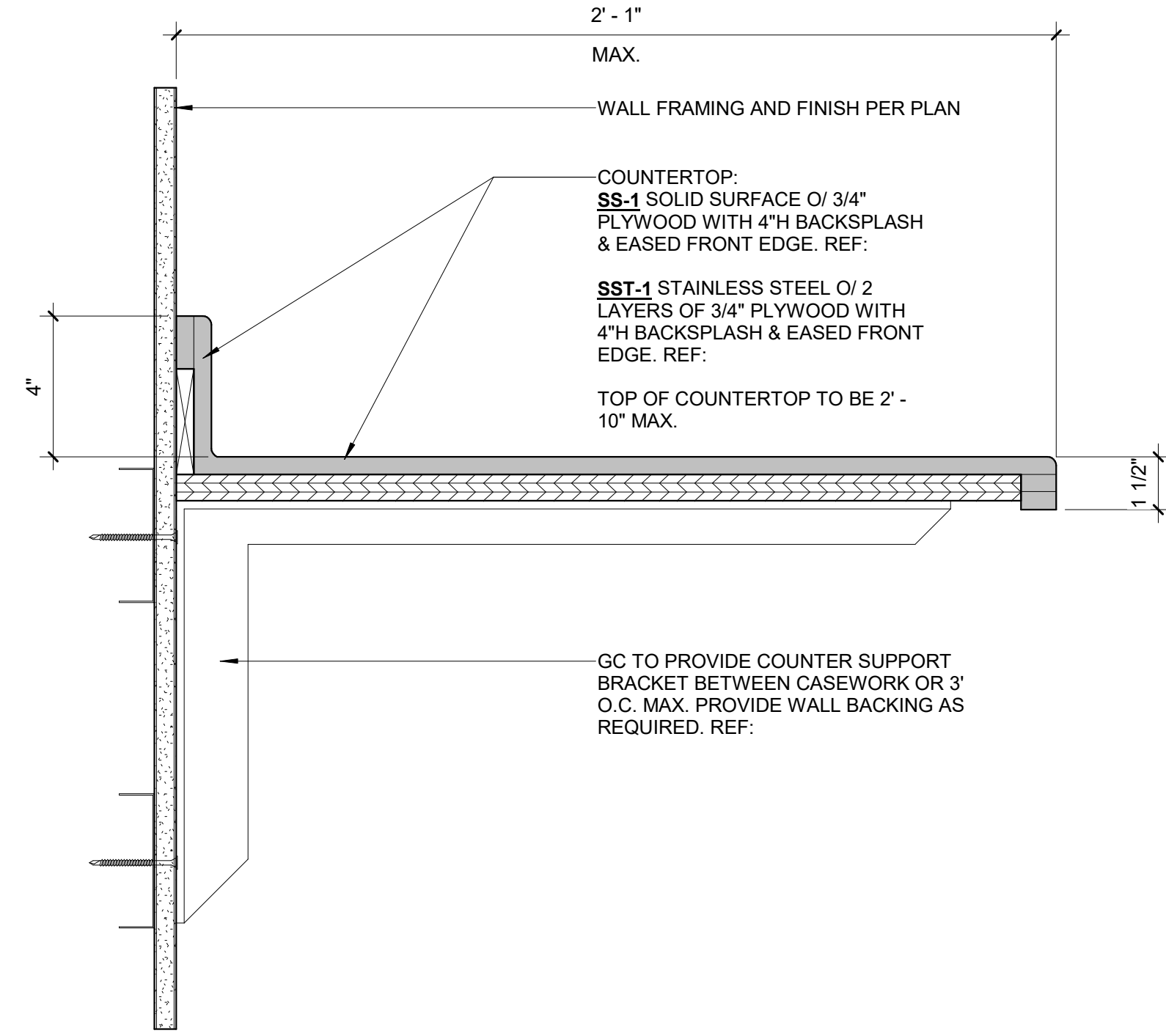
NO.	DESCRIPTION	DATE

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CHECKED BY JQ  
DATE 10/29/2025

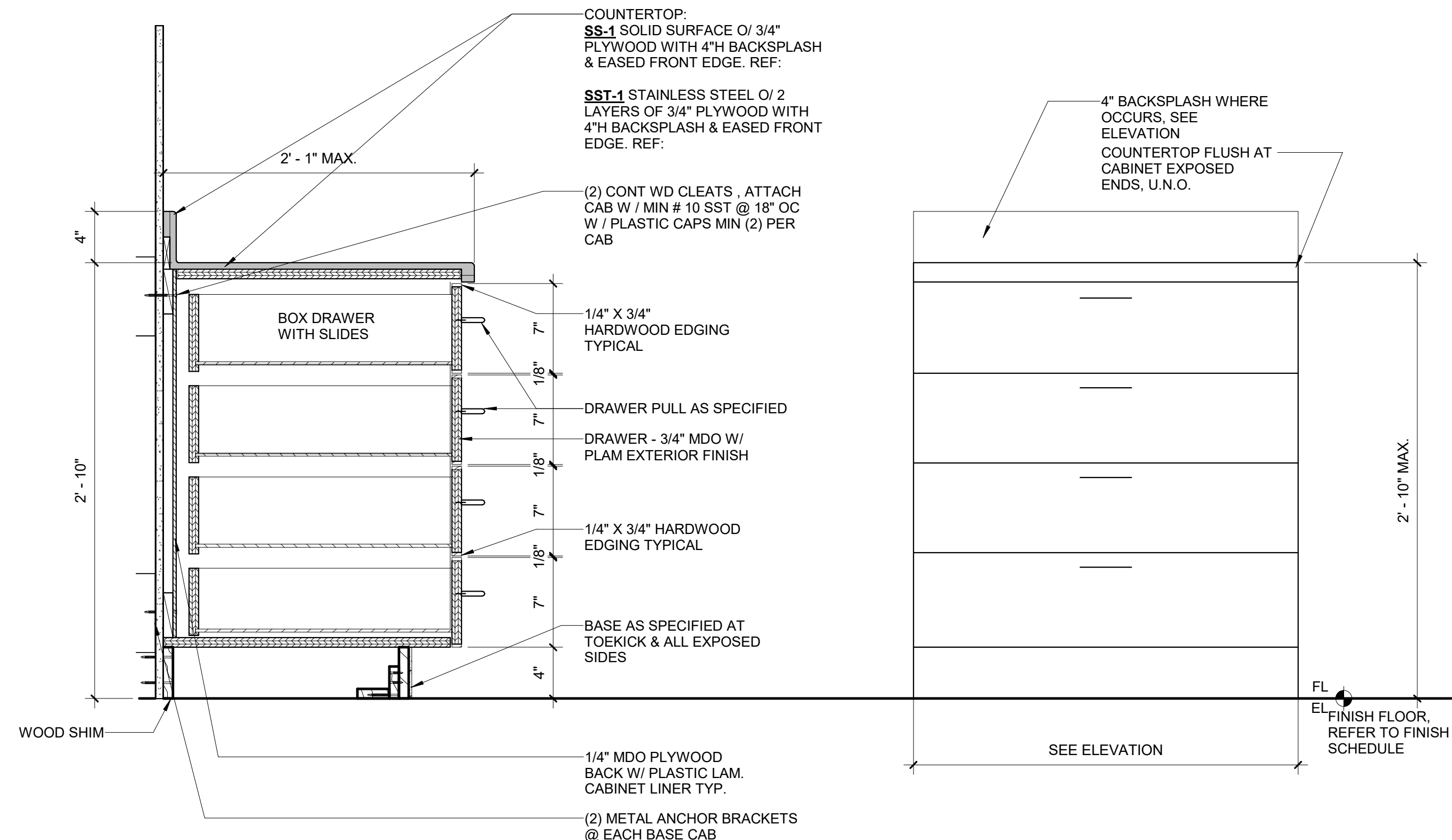
MILLWORK &  
CASEWORK  
DETAILS



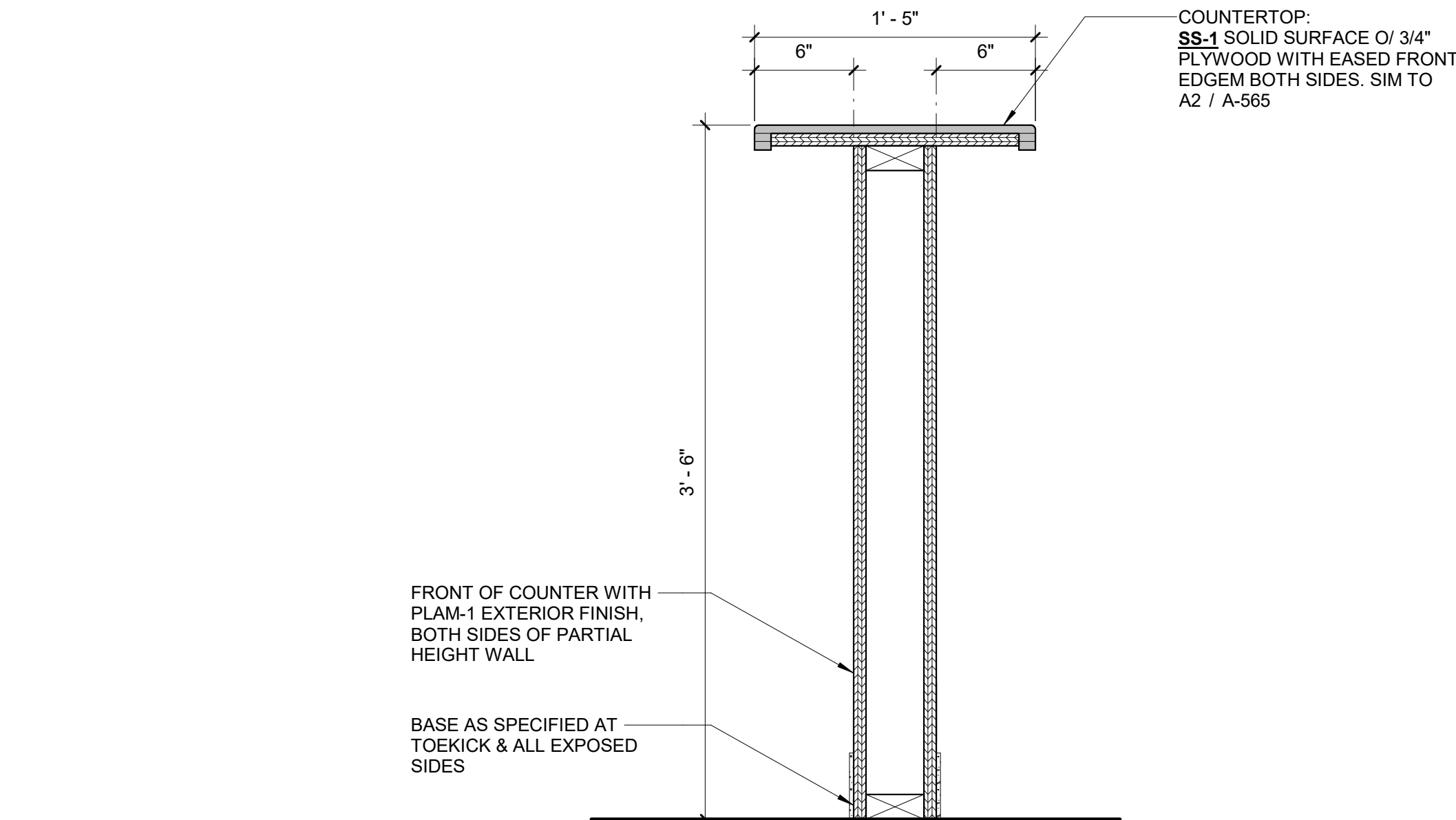
C1 TALL CABINET SECTION  
Scale: 1 1/2" = 1'-0"



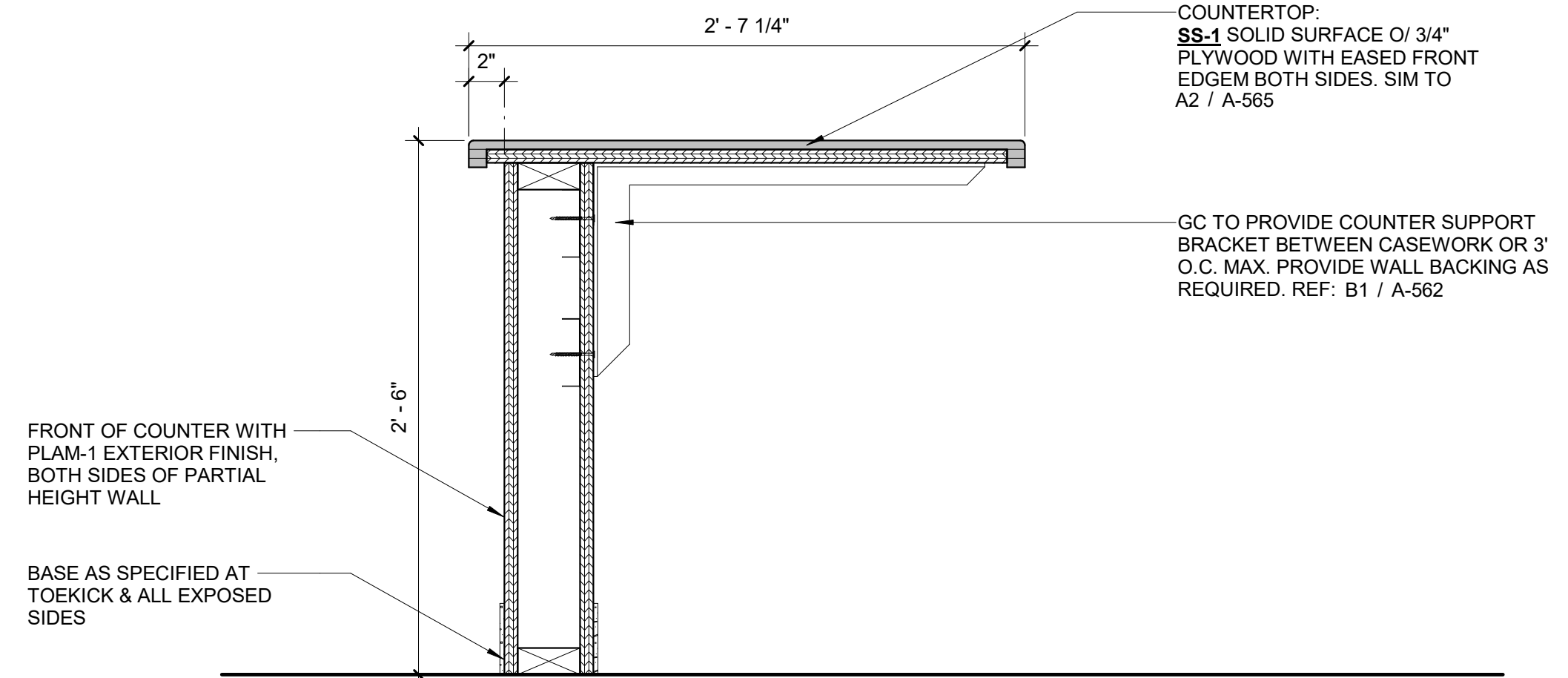
C2 COUNTER SUPPORT DETAIL  
Scale: 3" = 1'-0"



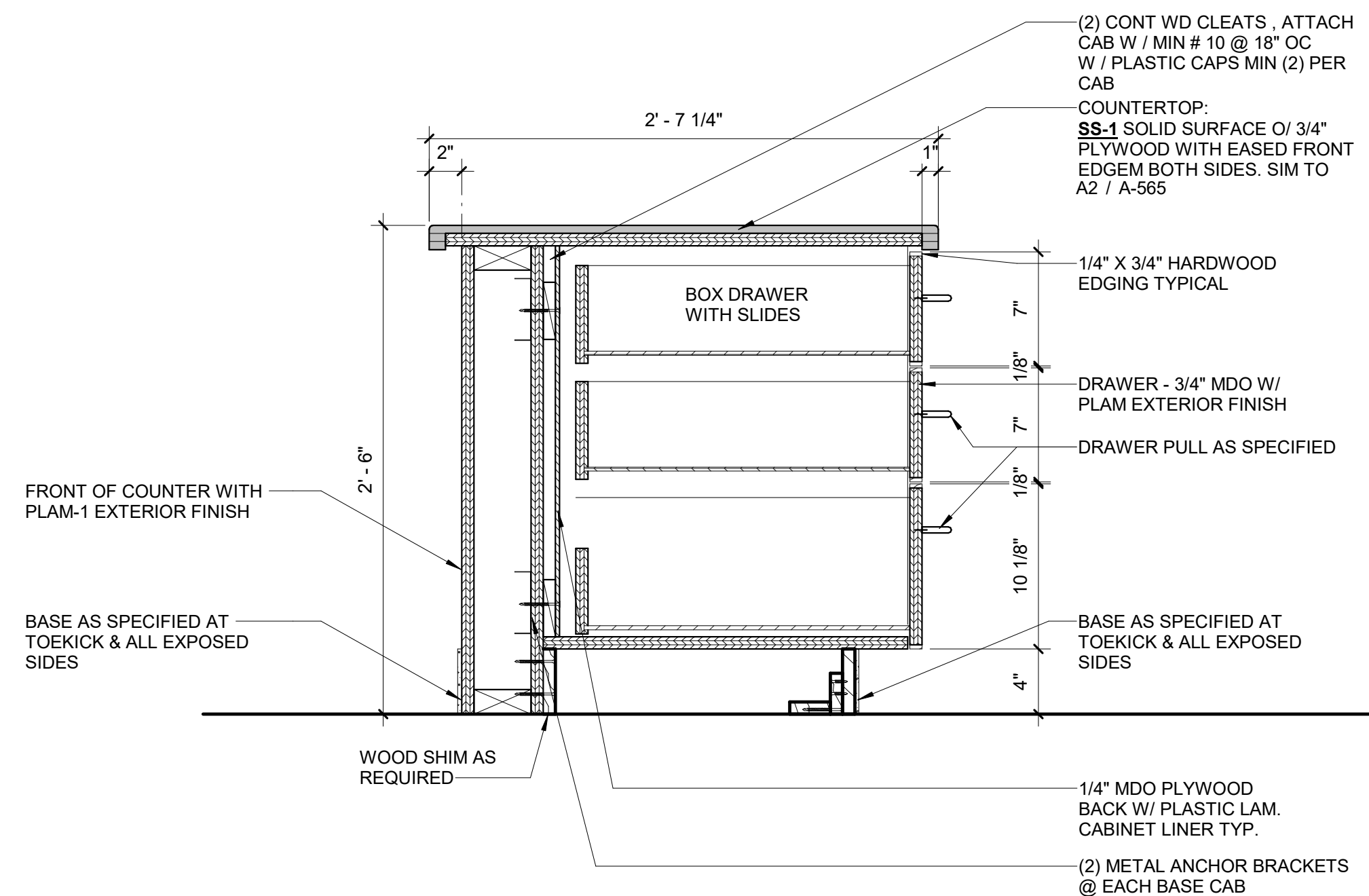
A1 TYP. LOWER CABINET WITH DRAWERS  
Scale: 1 1/2" = 1'-0"



D5 UPPER COUNTER AT BOOKING  
Scale: 1 1/2" = 1'-0"



C5 LOWER COUNTER AT BOOKING  
Scale: 1 1/2" = 1'-0"



A5 LOWER CABINET WITH DRAWERS AT BOOKING  
Scale: 1 1/2" = 1'-0"



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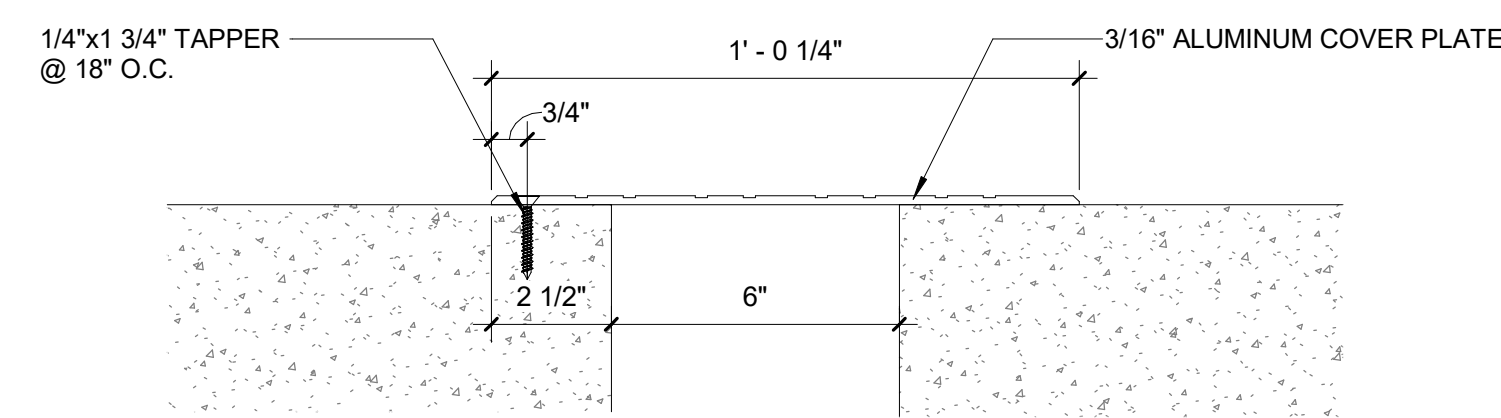
D

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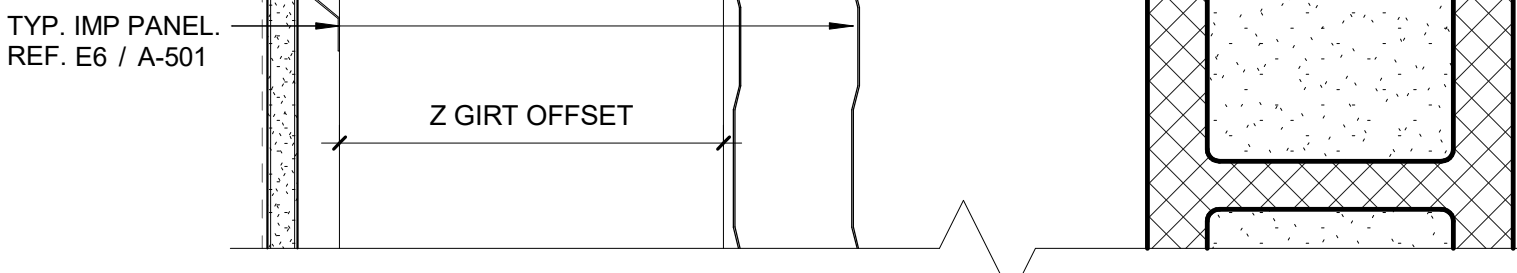
### A1 EXPANSION JOINT @ FLOOR

Scale: 3" = 1'-0"



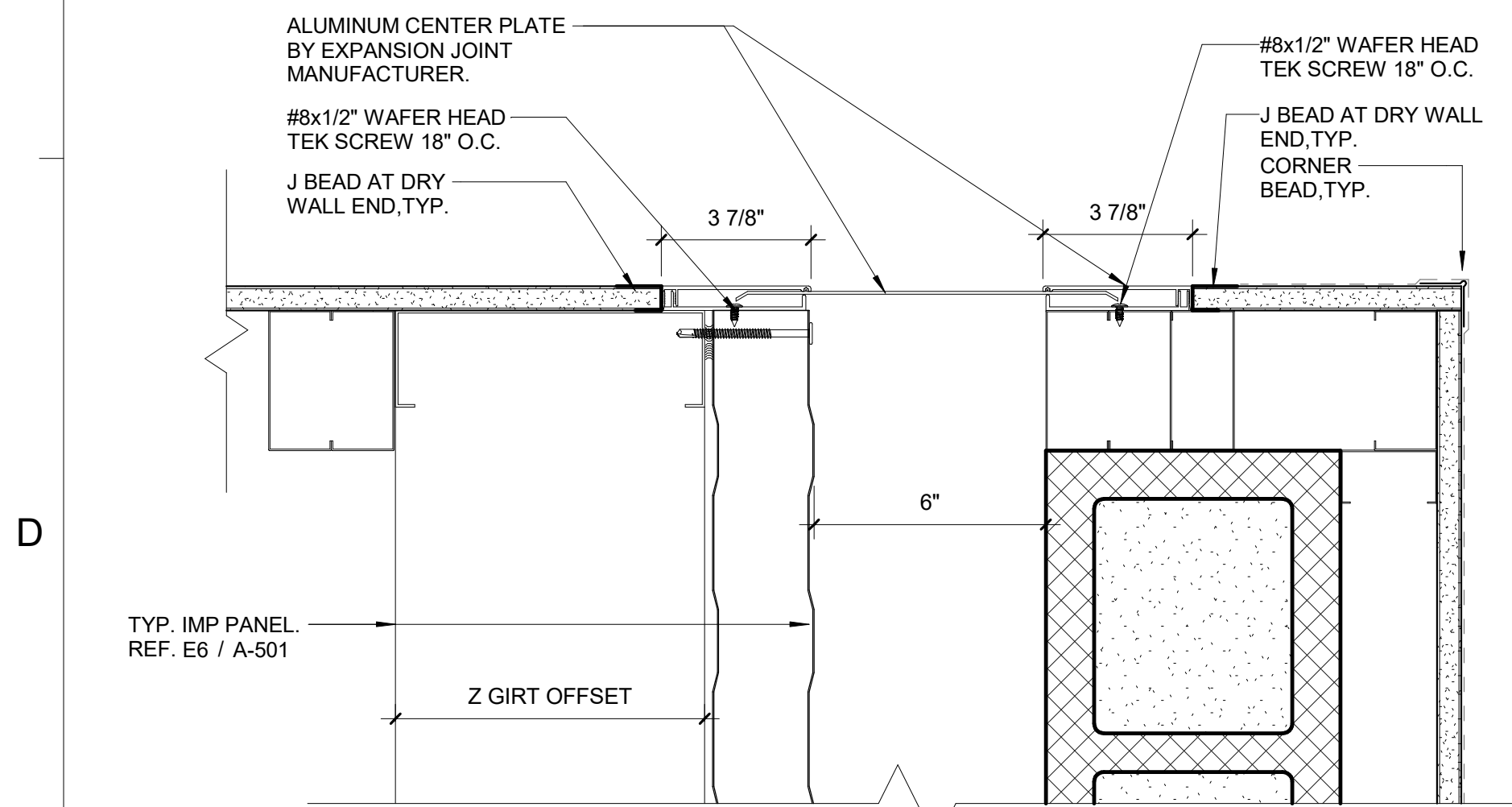
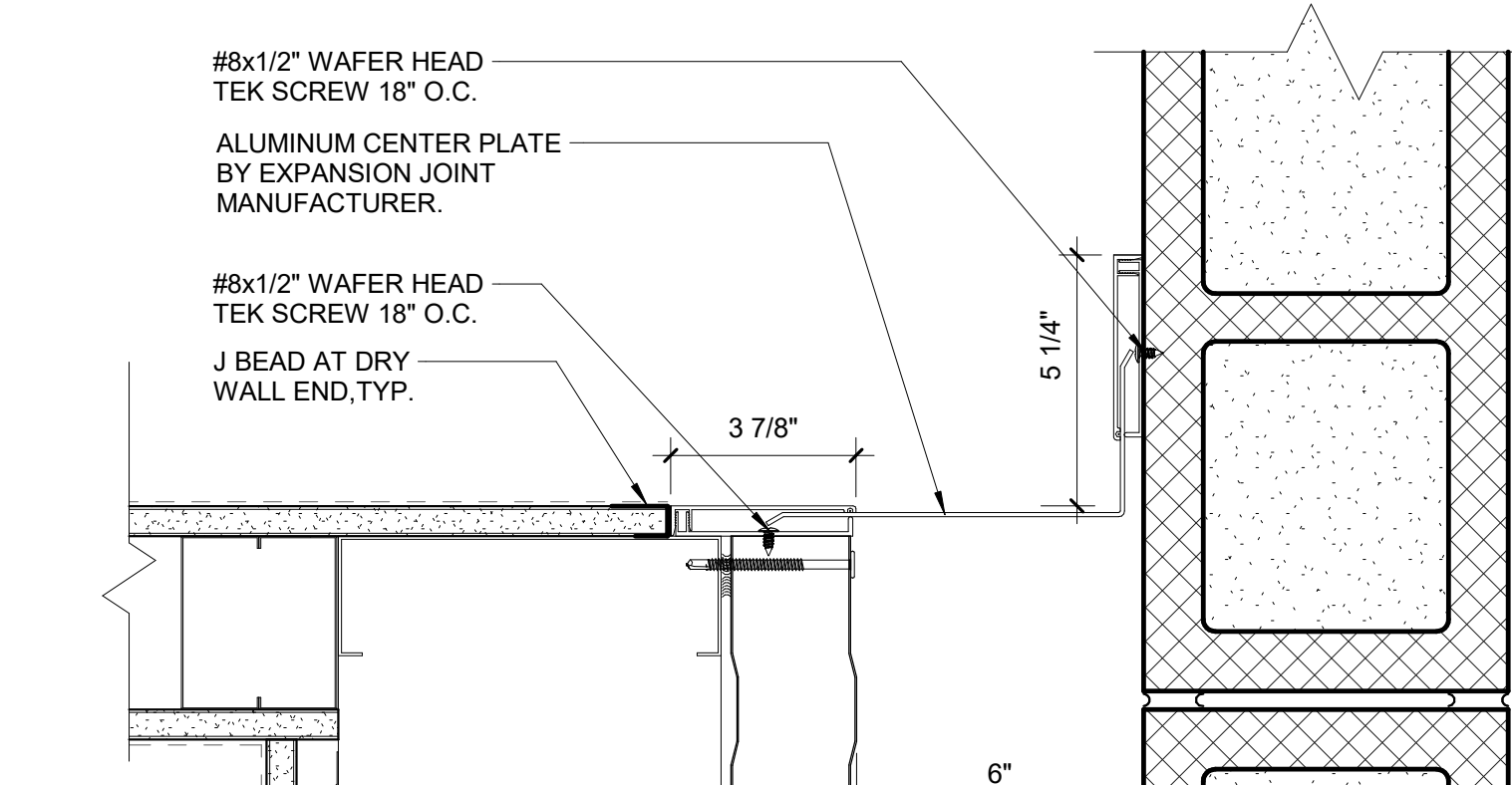
### B1 EXPANSION JOINT - WALL TO WALL

Scale: 3" = 1'-0"



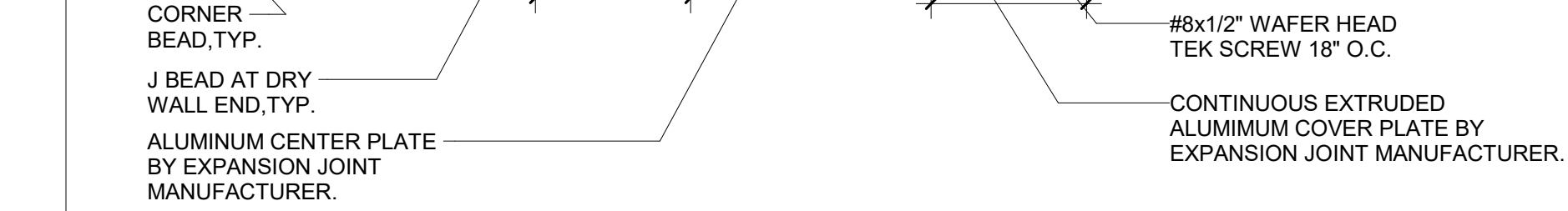
### C1 EXPANSION JOINT - WALL TO WALL

Scale: 3" = 1'-0"



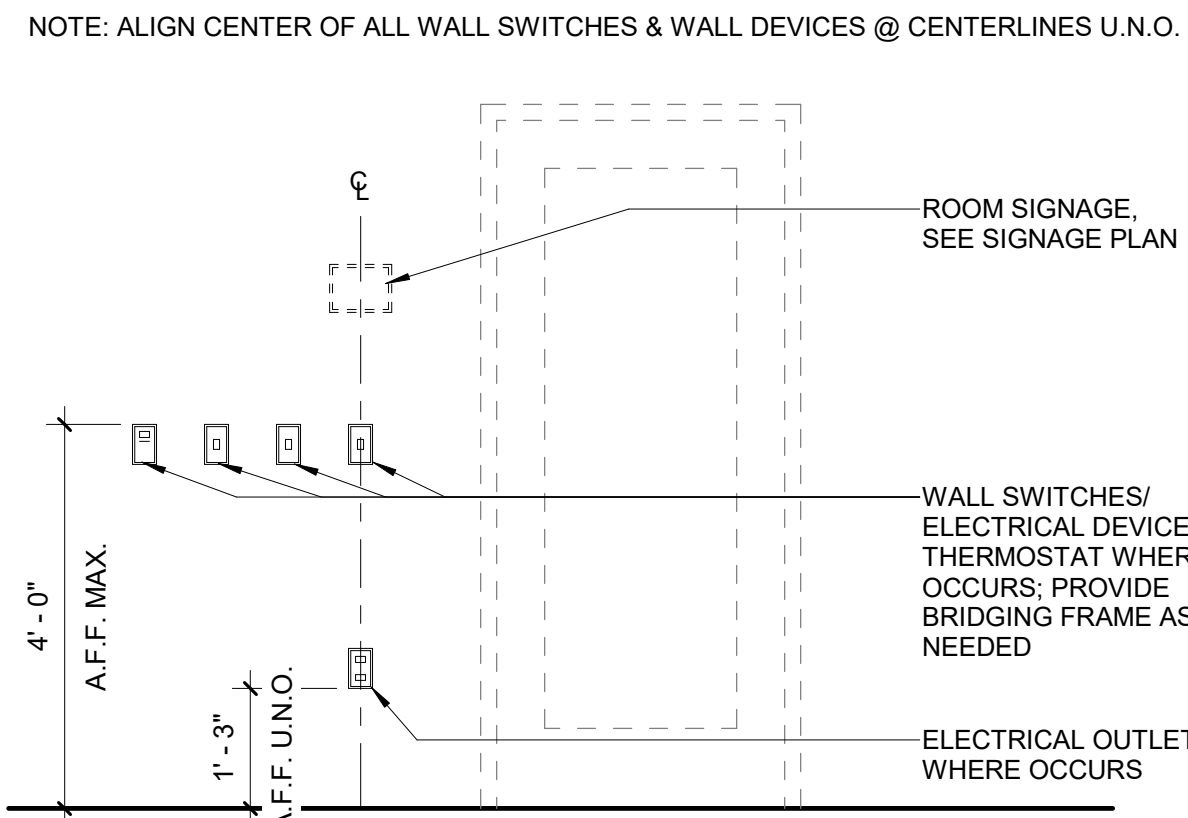
### E1 EXPANSION JOINT - WALL TO WALL

Scale: 3" = 1'-0"



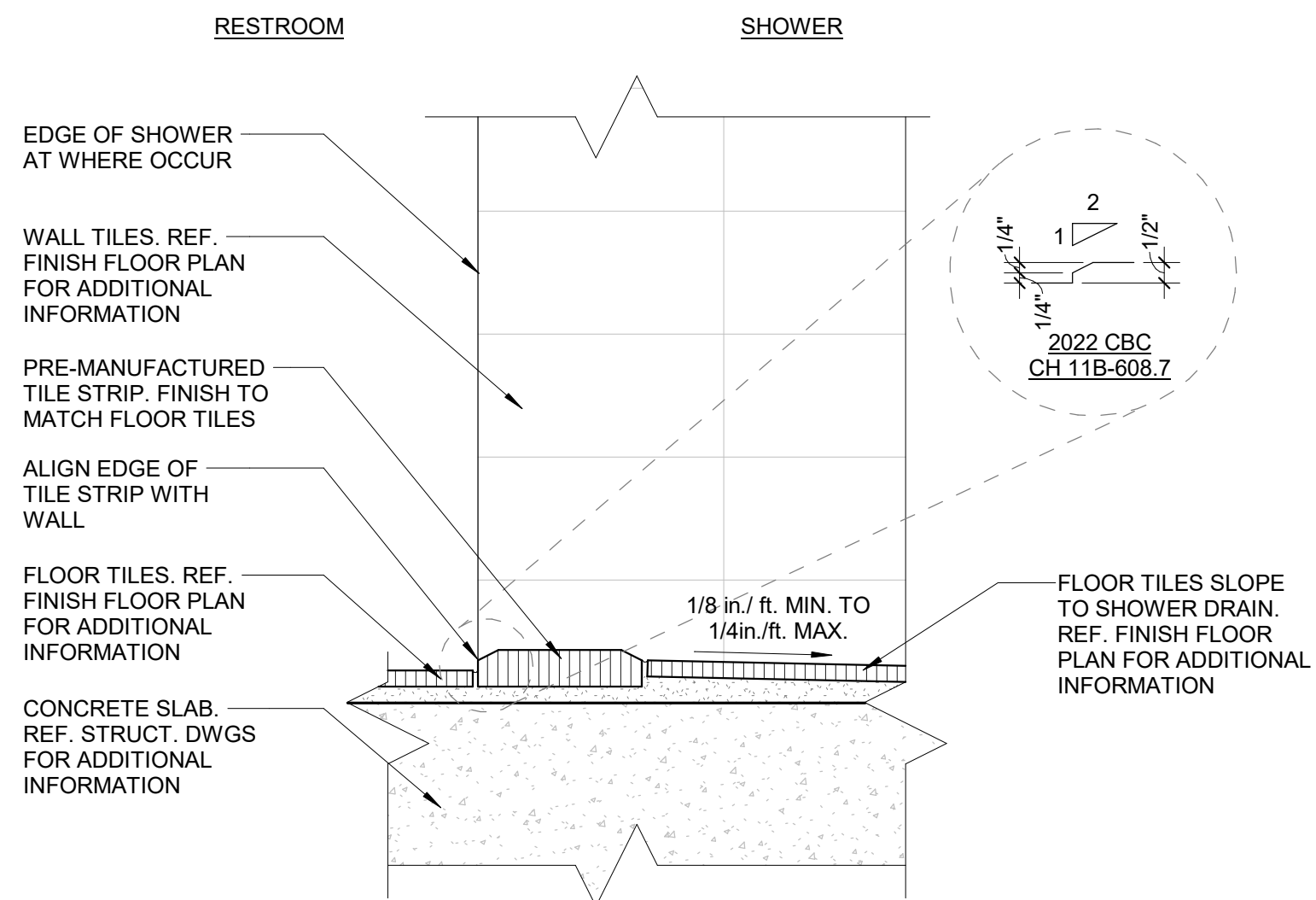
### A2 SWITCH & DEVICE ALIGNMENTS

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



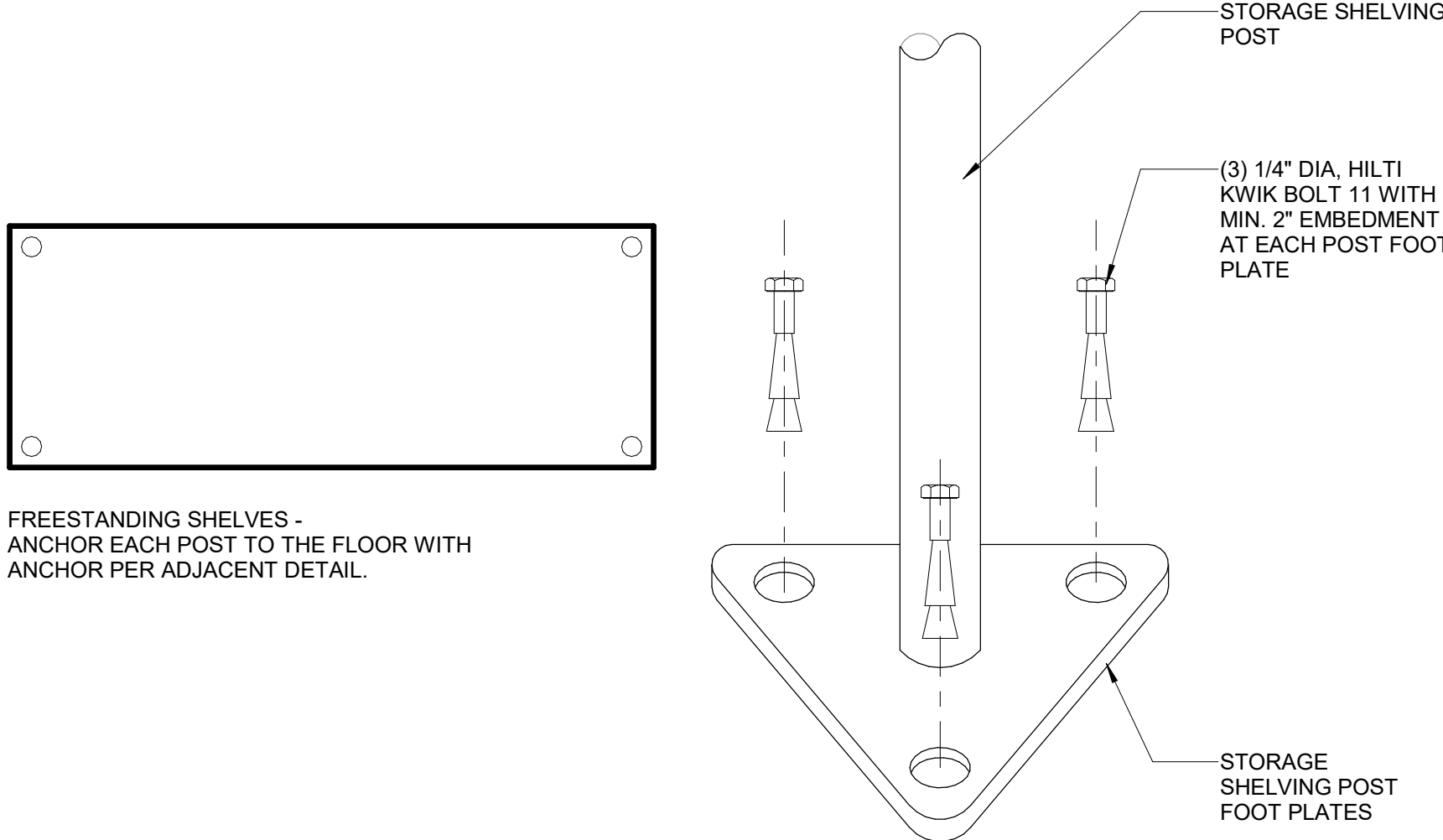
### B2 SHOWER THRESHOLD DETAIL

Scale: 3" = 1'-0"



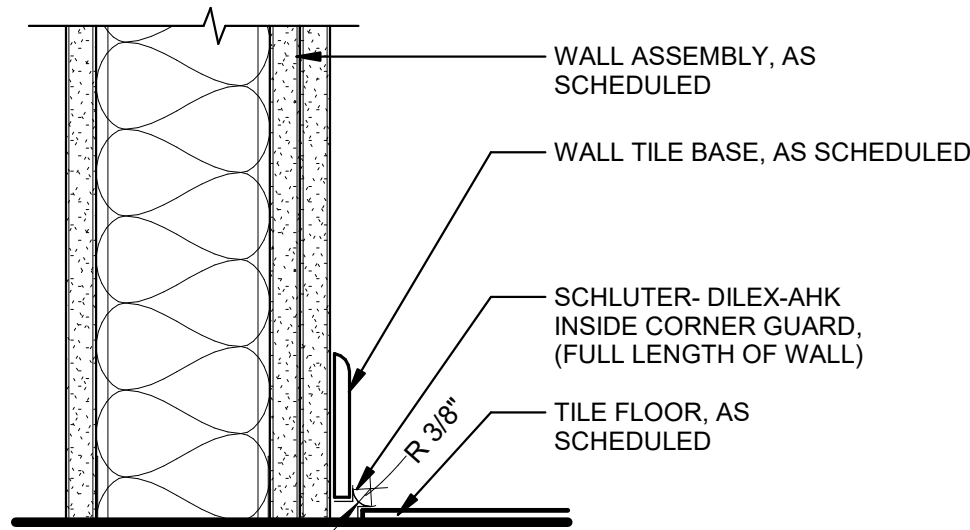
### D2 SHELFING ANCHORAGE DETAIL

Scale: 3" = 1'-0"



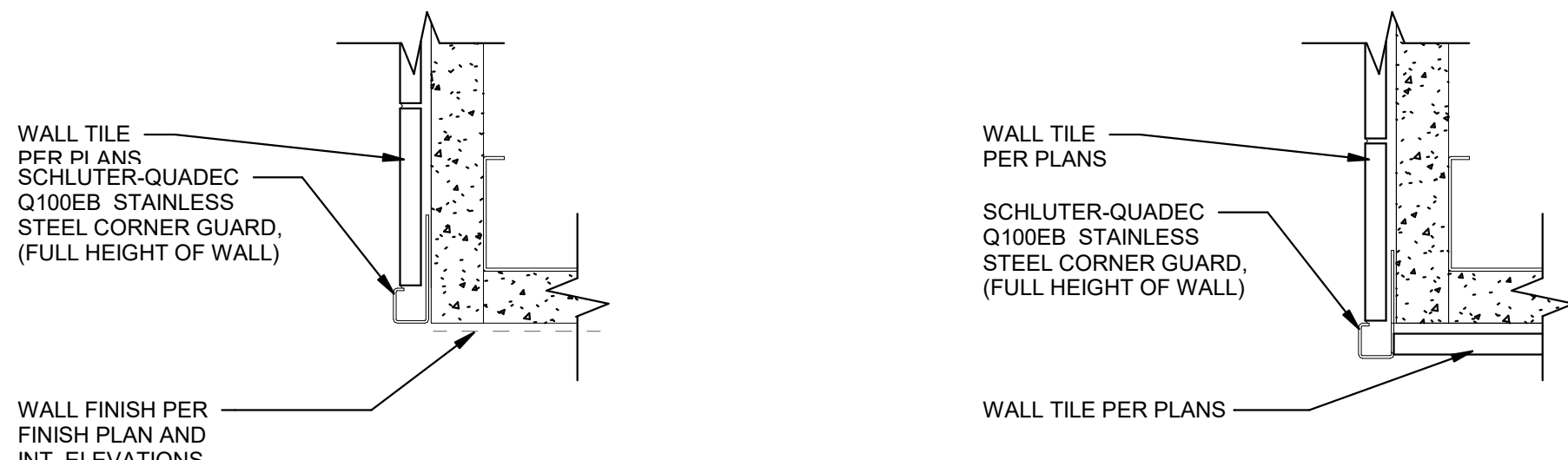
### A4 TILE BASE

Scale: 3" = 1'-0"



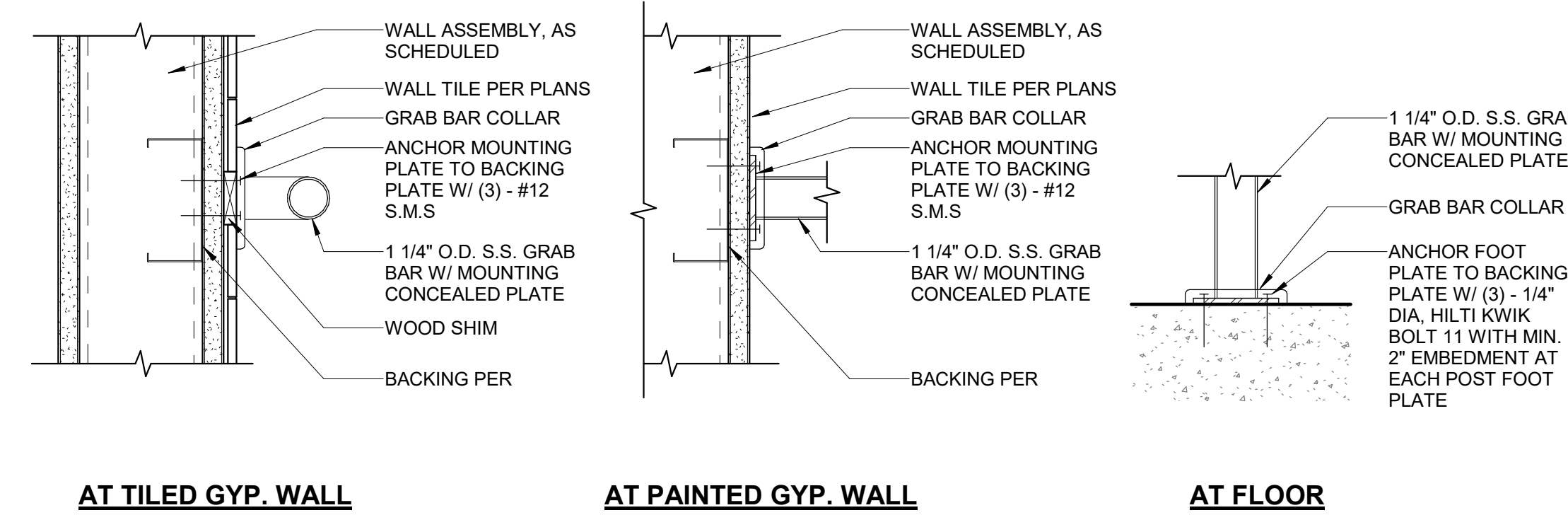
### B4 TILE OUTSIDE CORNER

Scale: 6" = 1'-0"



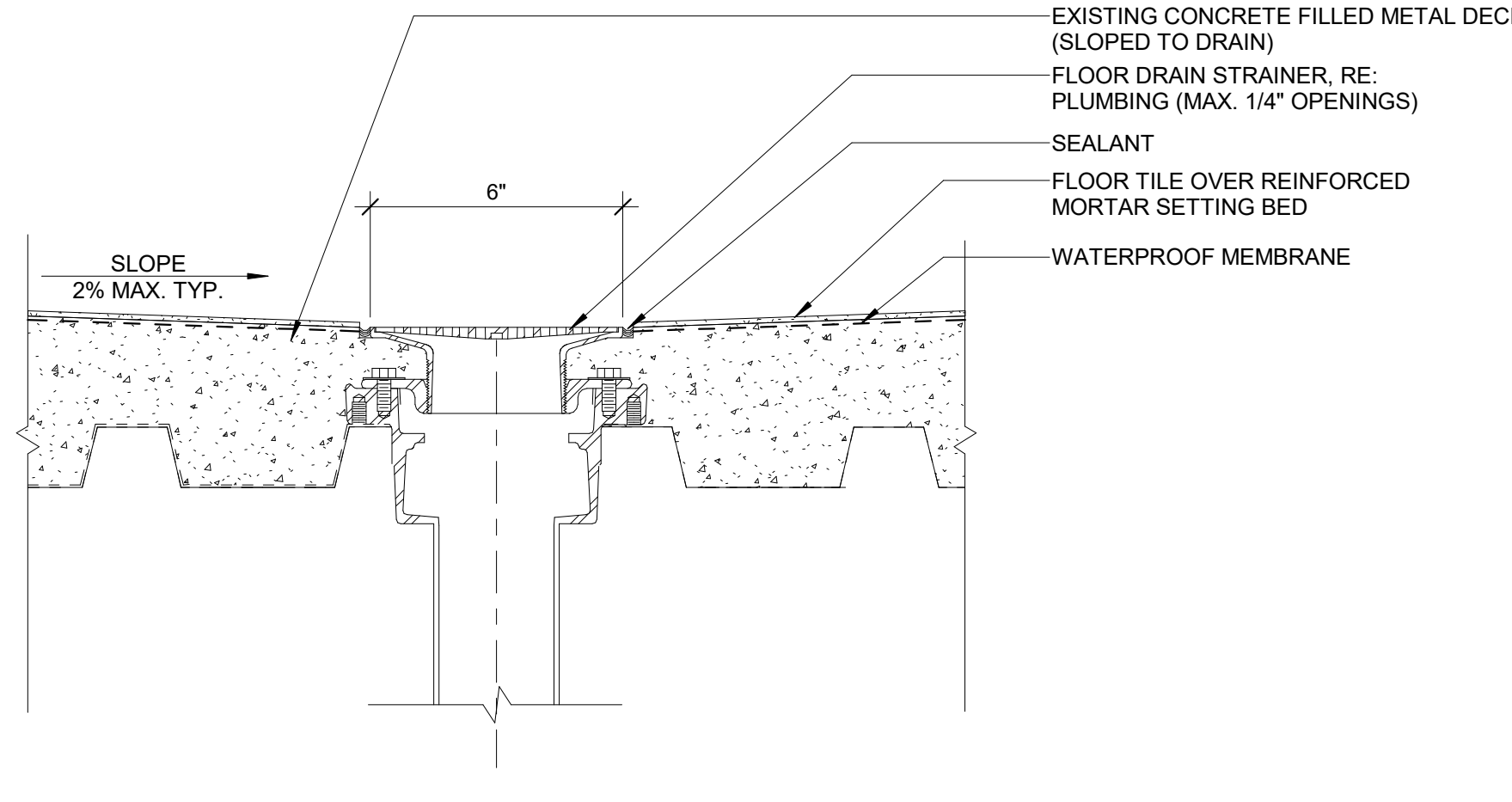
### C4 GRAB BAR DESIGN & ATTACHMENT

Scale: 3" = 1'-0"



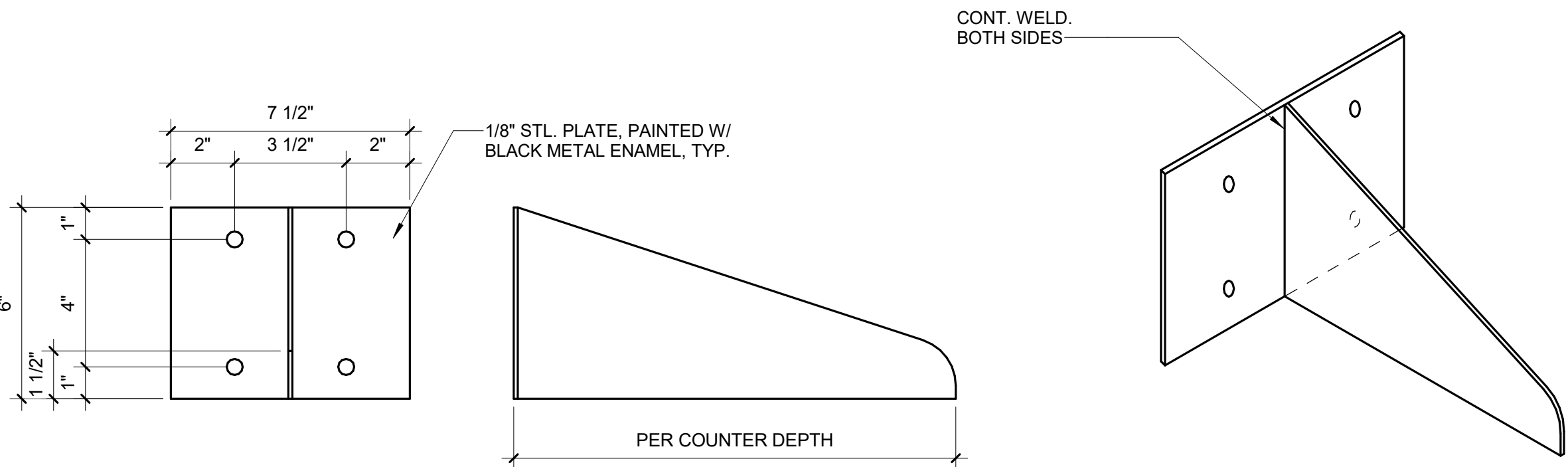
### D4 FLOOR DRAIN @ TILE FLOOR

Scale: 3" = 1'-0"



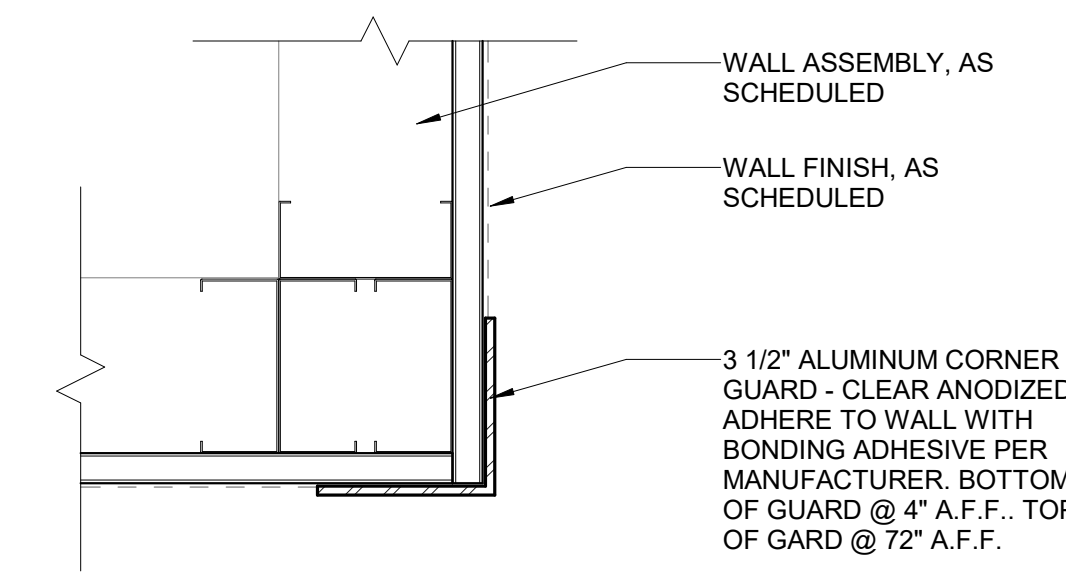
### F3 WALL MOUNTED METAL BRACKET

Scale: 3" = 1'-0"



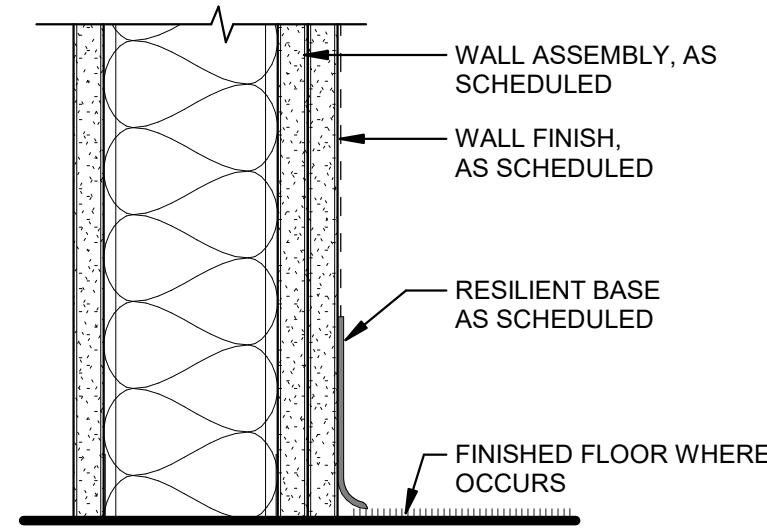
### F2 TYP. CORNER GUARD AT WALL

Scale: 3" = 1'-0"



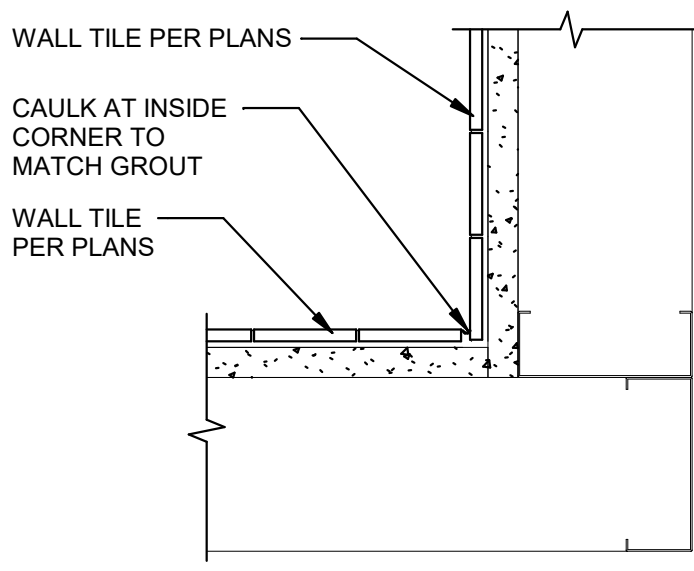
### A6 RUBBER BASE

Scale: 3" = 1'-0"



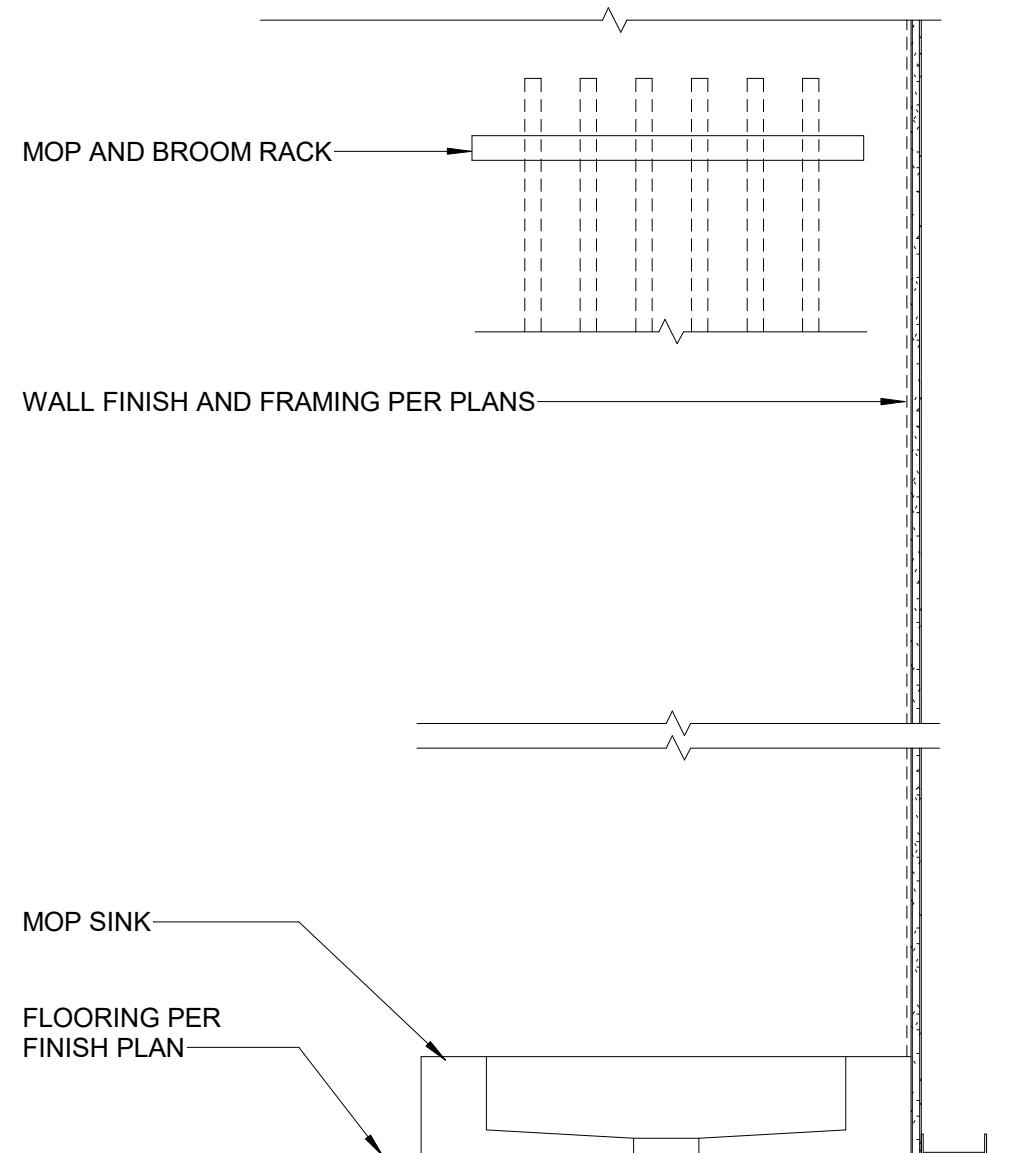
### B6 TILE INSIDE CORNER

Scale: 3" = 1'-0"



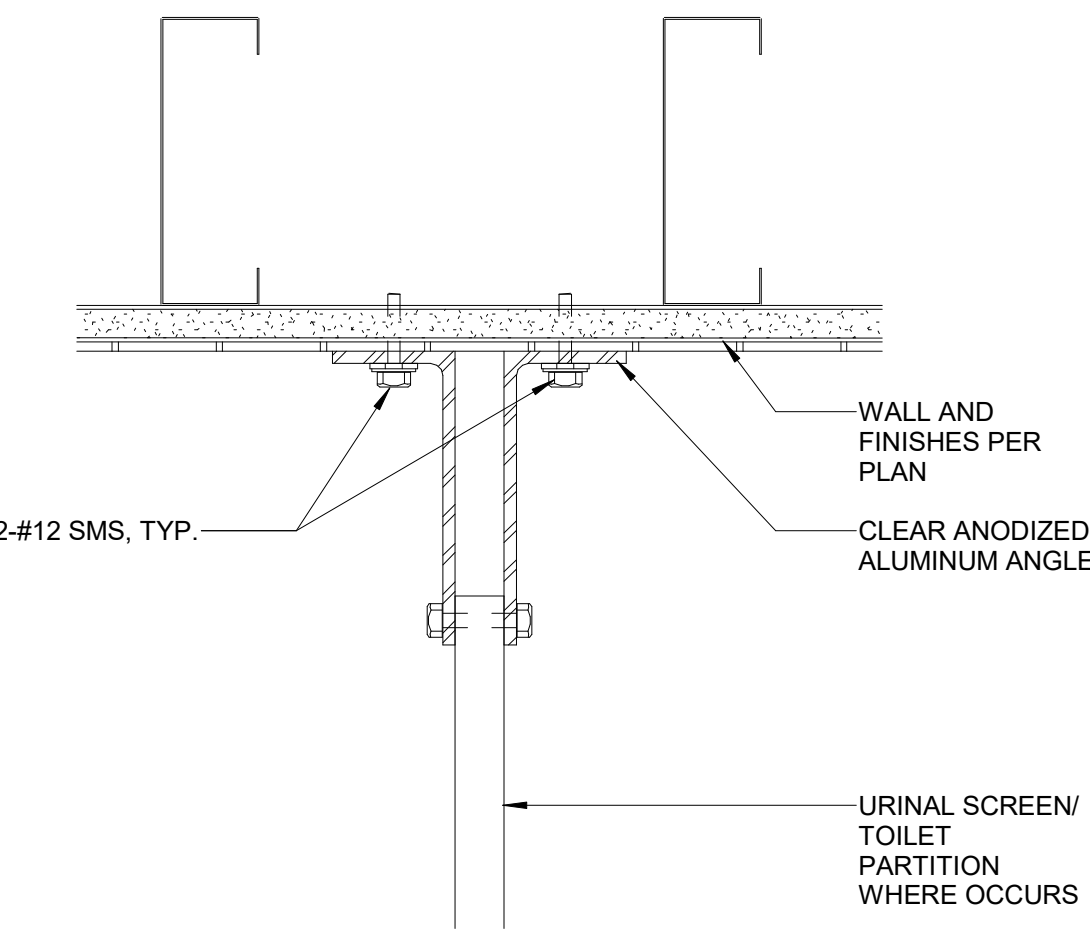
### D6 TYPICAL MOP SINK

Scale: 3" = 1'-0"



### E6 TOILET PARTITION DETAIL

Scale: 3" = 1'-0"



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**Dewberry**  
Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	Revision	DESCRIPTION	DATE
1	Revision 1		Date 1

DRAWN BY JQ  
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CHECKED BY JQ  
DATE 10/29/2025

TITLE

INTERIOR  
DETAILS

PROJECT NO. 50184767

A-567

SHEET NO.



123456

F

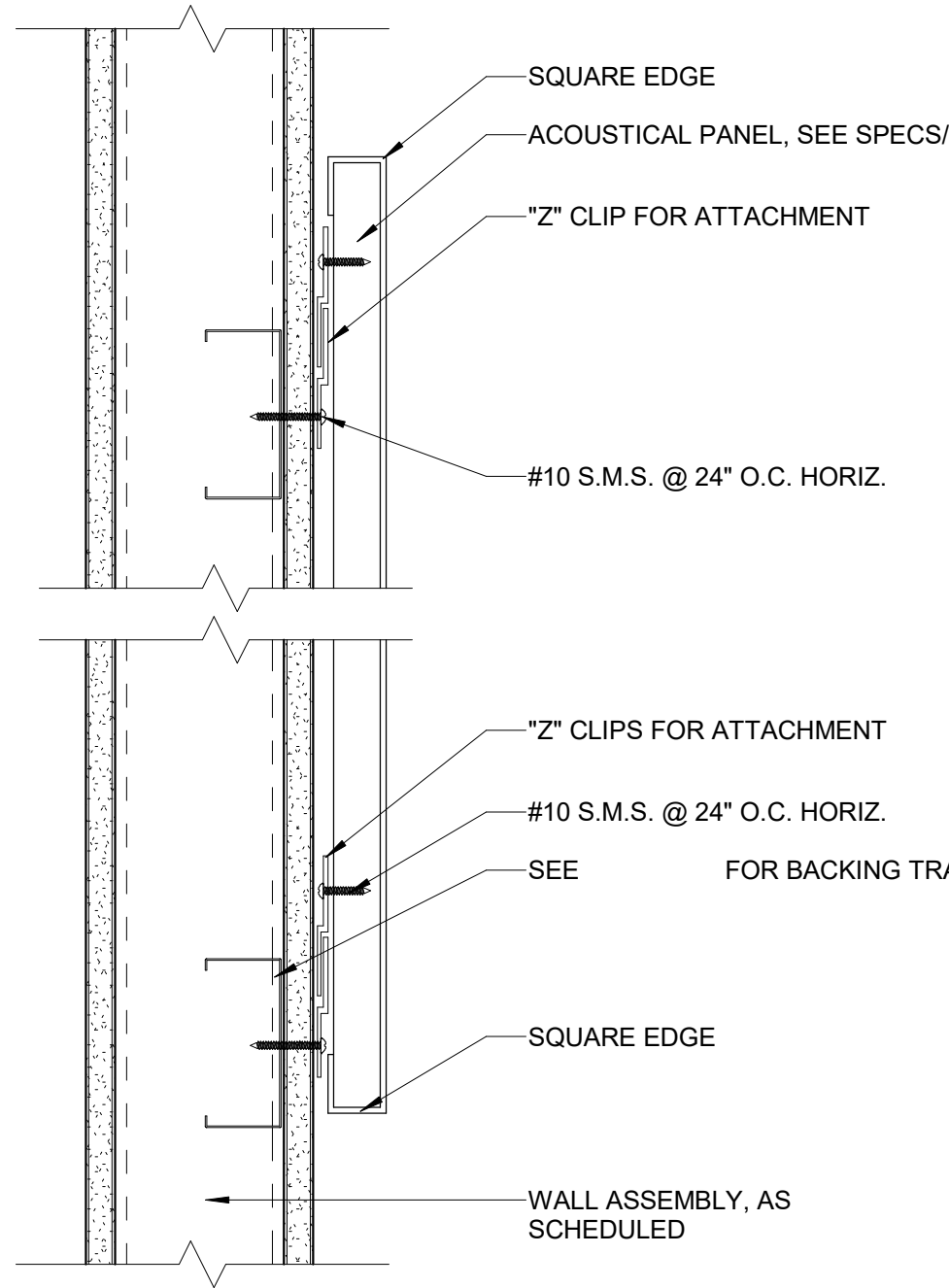
E

D

C

B

A



**A1** ACOUSTICAL WALL PANEL ATTACHMENT

Scale: 3" = 1'-0"



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

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CITY OF MCFARLAND POLICE DEPARTMENT  
402 Mast Avenue  
McFarland, CA 93250  
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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025

TITLE

INTERIOR  
DETAILS

PROJECT NO. 50184767

A-568

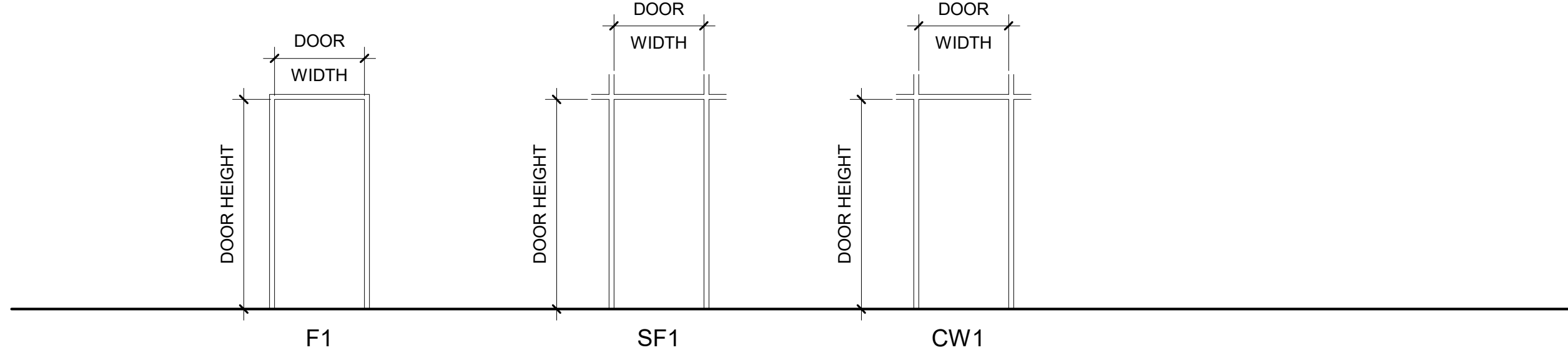
SHEET NO.



\*LITE LOCATION TO BE 6" OR AS REQUIRED BY DOOR MFR FOR EDGE DISTANCE TO HARDWARE CUTOUTS. COORDINATE WITH DOOR AND HARDWARE SUPPLIERS.

A1 DOOR FRAME TYPES

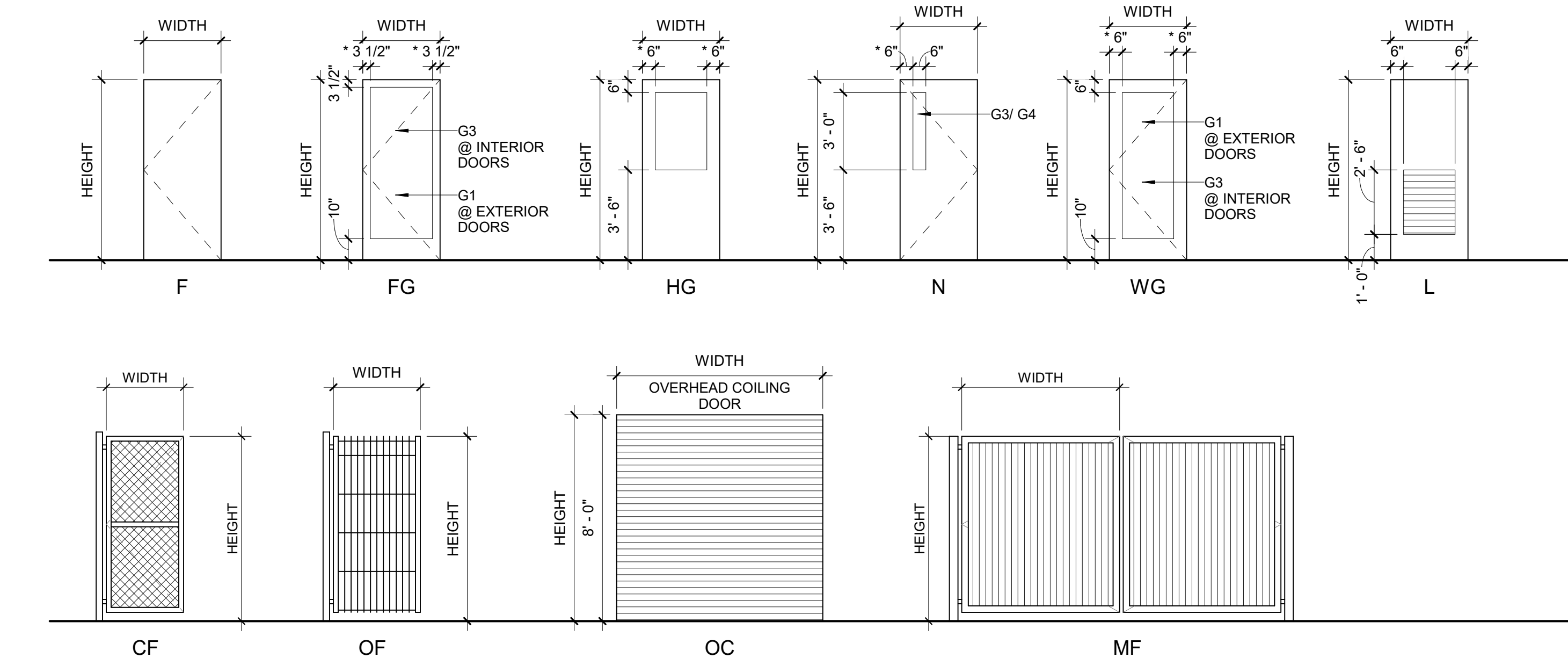
Scale: 1/4" = 1'-0"



ALL FRAMES TO BE 2" WIDE UNLESS NOTED OTHERWISE.

A1 DOOR FRAME TYPES

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



D1 DOOR PANEL TYPES

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

DOOR SCHEDULE																			
DOOR NUMBER	LEAF QTY	DOOR					FRAME		DETAILS					FIRE LABEL	HARDWARE	REMARKS	DOOR NUMBER		
		SIZE			TYPE	MATERIAL	GLAZING	TYPE	MATERIAL	HEAD	JAMB	SILL							
		WIDTH	HEIGHT	THICKNESS															
100A	2	6'-0"	8'-0"	1 3/4"	FG	AL	G1	SF-1	HM	E4/ A-602	B4/ A-602 & D4/ A-602	A4/ A-602		EAC-3.0		100A			
100B	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	A1/ A-604		2.0	1	100B			
101A	2	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E2/ A-604	C2/ A-604	A2/ A-604		14.0		101A			
101B	1	3'-0"	7'-10"	1 3/4"	F	HM	-	F1	HM	D2/ A-602	C2/ A-602	A2/ A-602		EAC-2.1		101B			
102	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	B2/ A-604		3.0		102			
103	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	B2/ A-604		3.0		103			
104A	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		4.0		104A			
104B	1	3'-0"	7'-2"	1 3/4"	N	WD	G3	F1	HM	E1/ A-604	C1/ A-604	---		4.1		104B			
105	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	A1/ A-604		6.0	1	105			
105B	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		4.1		105B			
106	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	B4/ A-604		3.0		106			
* 107	1	3'-0"	7'-0"	1 3/4"	L	WD	-	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		4.0		107			
108	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	---		1.0		108			
109	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		9.0		109			
110	1	3'-0"	7'-10"	1 3/4"	F	HM	-	F1	HM	D2/ A-602	C2/ A-602	A2/ A-602		EAC-4.0		110			
111A	1	3'-0"	8'-0"	1 3/4"	FG	HM	G1	F1	HM	D1/ A-602	C1/ A-602	A2/ A-602		EAC-2.0		111A			
111B	1	3'-0"	8'-0"	1 3/4"	FG	HM	G1	F1	HM	D2/ A-602	C1 & C2/ A-602	A2/ A-602		EAC-2.0		111B			
111C	1	3'-0"	7'-10"	1 3/4"	F	HM	-	F1	HM	D1/ A-602	C1/ A-602	A2/ A-602		EAC-2.1		111C			
112	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	B1/ A-604		3.3		112			
113	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	B1/ A-604		3.3		113			
114	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	D2/ A-602	C2/ A-602	A2/ A-602		11.0		114			
115	1	3'-0"	7'-2"	1 3/4"	F	WD	G3	F1	HM	E1/ A-604	C1/ A-604			4.1		115			
116	1	3'-0"	7'-2"	1 3/4"	N	WD	G3	F1	HM	E1/ A-604	C1/ A-604	A5/ A-604		9.0		116			
118	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		1.0		118			
119	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		1.0		119			
120	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		1.0		120			
121	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		1.0		121			
122	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		1.0		122			
123	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	---		9.0		123			
125	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	---		6.0	1	125			
126	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	---		EAC-6.0	1	126			
127	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	---		EAC-6.0	1	127			
128	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	B1/ A-604		3.0		128			
129	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	---		4.1		129			
130	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	B1/ A-604		3.0		130			
131	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		4.1		131			
132	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		3.0		132			
133	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		4.0		133			
134	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		1.0		134			
135A	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		1.0		135A			
135B	1	3'-0"	7'-2"	1 3/4"	WG	WD	-	F1	HM	E1/ A-604	C1/ A-604	---		1.0		135B			
136	1	3'-0"	7'-2"	1 3/4"	WG	WD	G3	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		8.0		136			
137	1	3'-0"	7'-2"	1 3/4"	WG	WD	-	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		9.0		137			
138	1	3'-0"	7'-2"	1 3/4"	WG	WD	-	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		1.0		138			
139	1	3'-0"	7'-2"	1 3/4"	WG	WD	-	F1	HM	E1/ A-604	C1/ A-604	A4/ A-604		1.0		139			
140A	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		14.0		140A			
140B	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		14.0		140B			
141	1	3'-0"	7'-2"	1 3/4"	F	WD	-	F1	HM	E1/ A-604	C1/ A-604	B1/ A-604		3.2	4	141			
142	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		7.0	4	142			
143	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		7.0	4	143			
145	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	C4/ A-604	E4/ A-604	---		EAC-6.0		145			
146	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	C4/ A-604	E4/ A-604	---		EAC-6.0		146			
147	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		EAC-6.0		147			
148	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		EAC-6.0		148			
149	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		EAC-6.0		149			
150	1	3'-0"	7'-2"	1 3/4"	F	HM	G2	F1	HM	C4/ A-604	E4/ A-604	---	90 MIN	EAC-5.0		150			
151	1	3'-0"	7'-2"	1 3/4"	HG	HM	G2	F1	HM	C4/ A-604	C1/ A-604	---	90 MIN	9.0		151			
152	1	3'-0"	7'-2"	1 3/4"	HG	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		9.0		152			
153	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	C4/ A-604	C1/ A-604	---	90 MIN	5.0		153			
158	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	B1/ A-604		3.1		158			
160B	1	14'-0"	12'-8"	3"	OC	MTL	-	-	HM	E1/ A-603	E3/ A-603	E5/ A-603		12.0	6	160B			
160C	1	14'-0"	12'-8"	3"	OC	MTL	-	-	HM	E1/ A-603	E3/ A-603	E5/ A-603		12.0	6	160C			
161	1	3'-0"	7'-10"	1 3/4"	F	HM	-	F1	HM	C1/ A-603	C2/ A-603	A2/ A-602		EAC-2.1		161			
162	1	3'-0"	7'-2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		13.0		162			
G01	2	7'-0"	8'-0"	1 3/4"	MF	MTL	-	-	MTL	PER MTL GATE	PER MTL GATE	PER MTL GATE		G-1.0	5	G01			
G02	1	3'-6"	8'-0"	1 3/4"	CF	MTL	-	-	MTL	PER MFG	PER MFG	PER MFG		G-1.0	5	G02			
G03	1	3'-8"	8'-0"	1 3/4"	OF	MTL	-	-	MTL	PER MFG	PER MFG	PER MFG		G-2.0	5	G03			

\* REFER TO NOTE 4 ON M-201 FOR DOOR LOUVER REQUIREMENTS  
\*\* REFER TO LANDSCAPE FOR DETAILS OF G03

GLAZING SCHEDULE	
G1	1" LOW-E COATED, FULLY TEMPERED TINTED INSULATING GLASS
G2	45MINS FIRE RATED CLEAR GLASS - MAX. ALLOWABLE CLEAR VIEW AREA: 22.8 %
G3	1/4" CLEAR FULLY TEMPERED CLASS GLASS
G4	BULLET RESISTANT GLAZING - UL LEVEL 3 OR ABOVE
NOTE: REFER TO QD-601 FOR SECURITY GLAZING TYPE.	

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CITY OF MCFARLAND POLICE DEPARTMENT

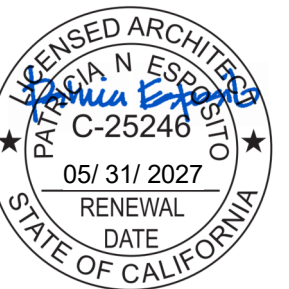
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McFarland, CA 93250

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

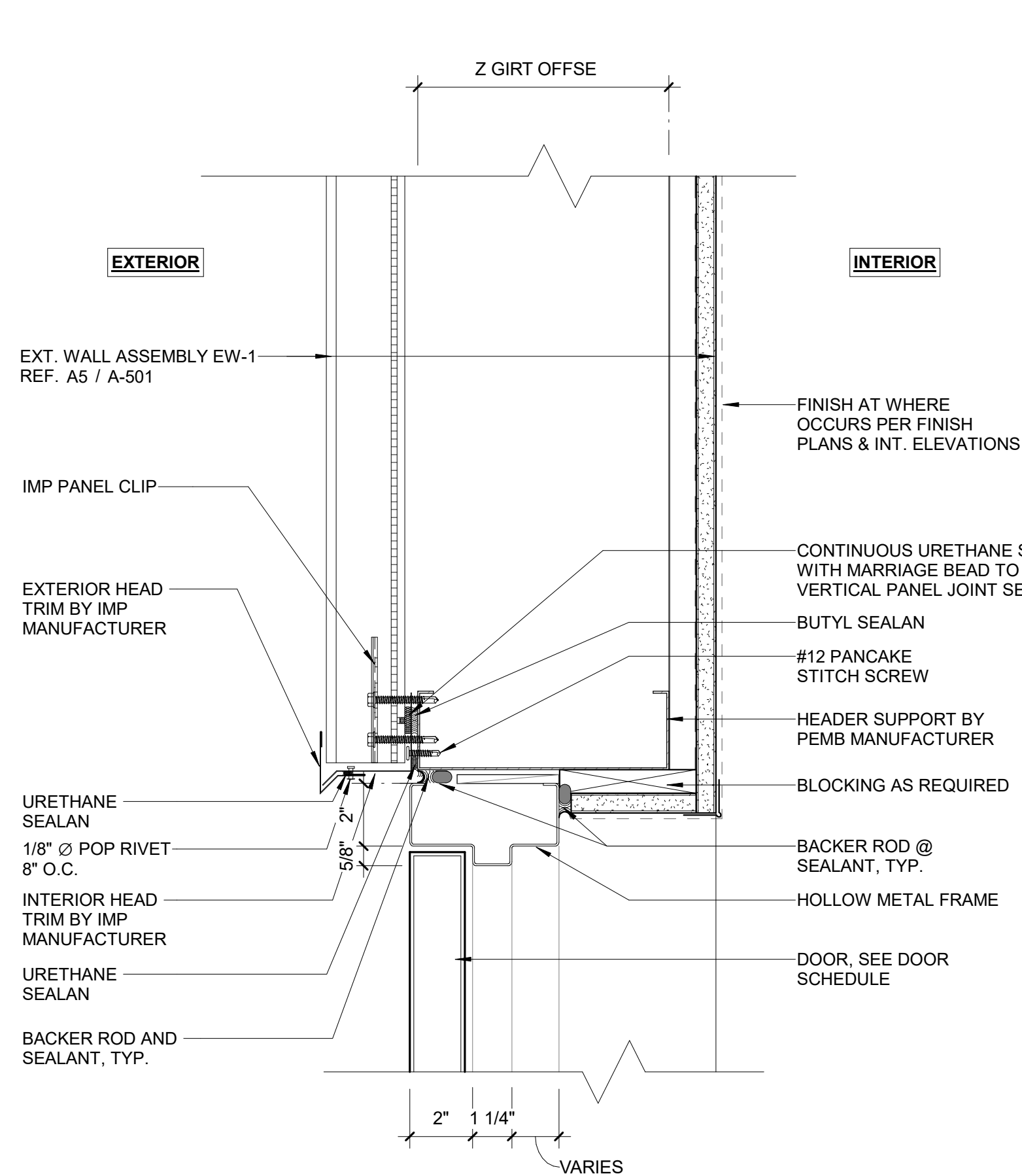
DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025  
TITLE

EXTERIOR DOOR DETAILS

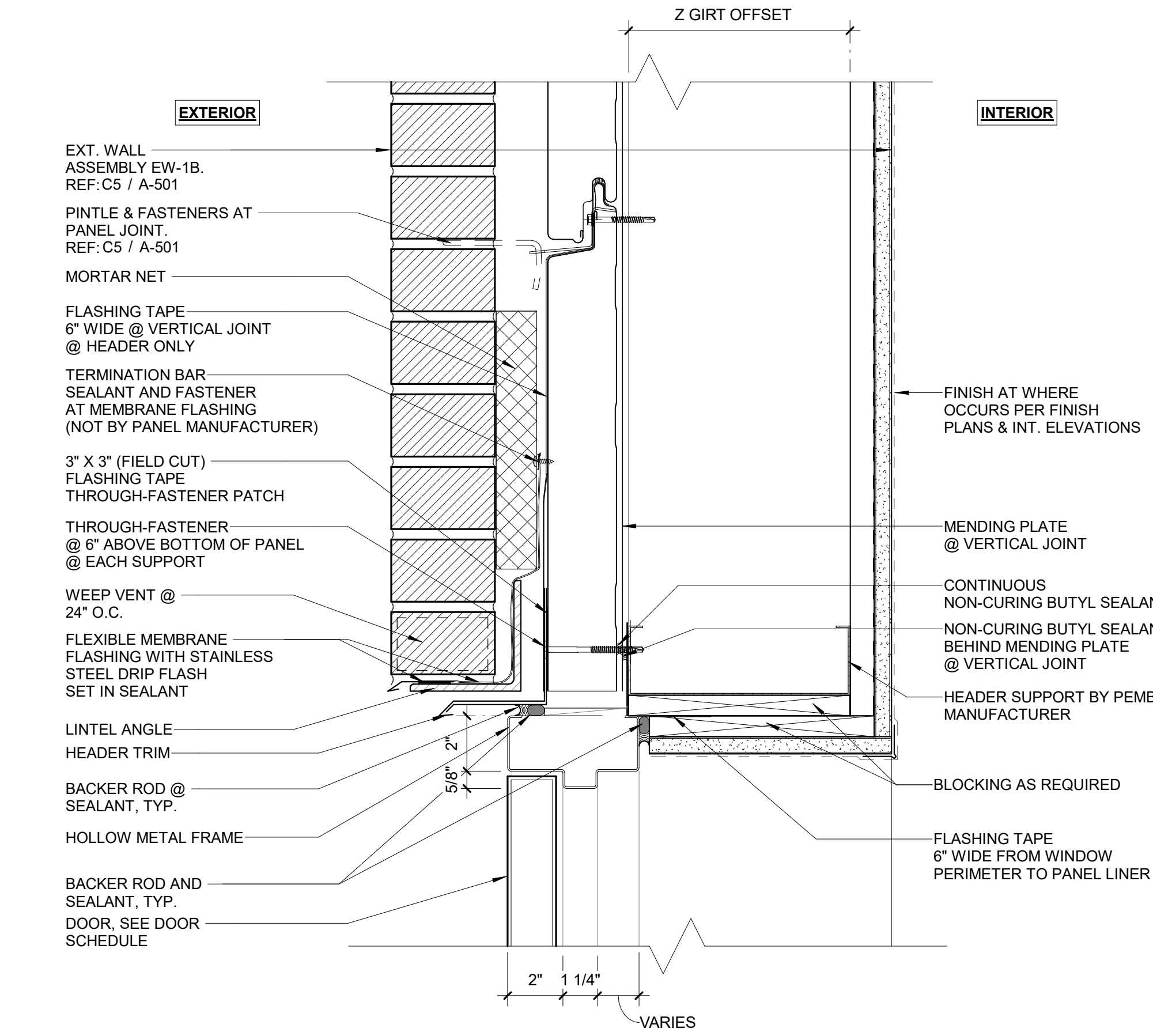
PROJECT NO. 50184767

A-602

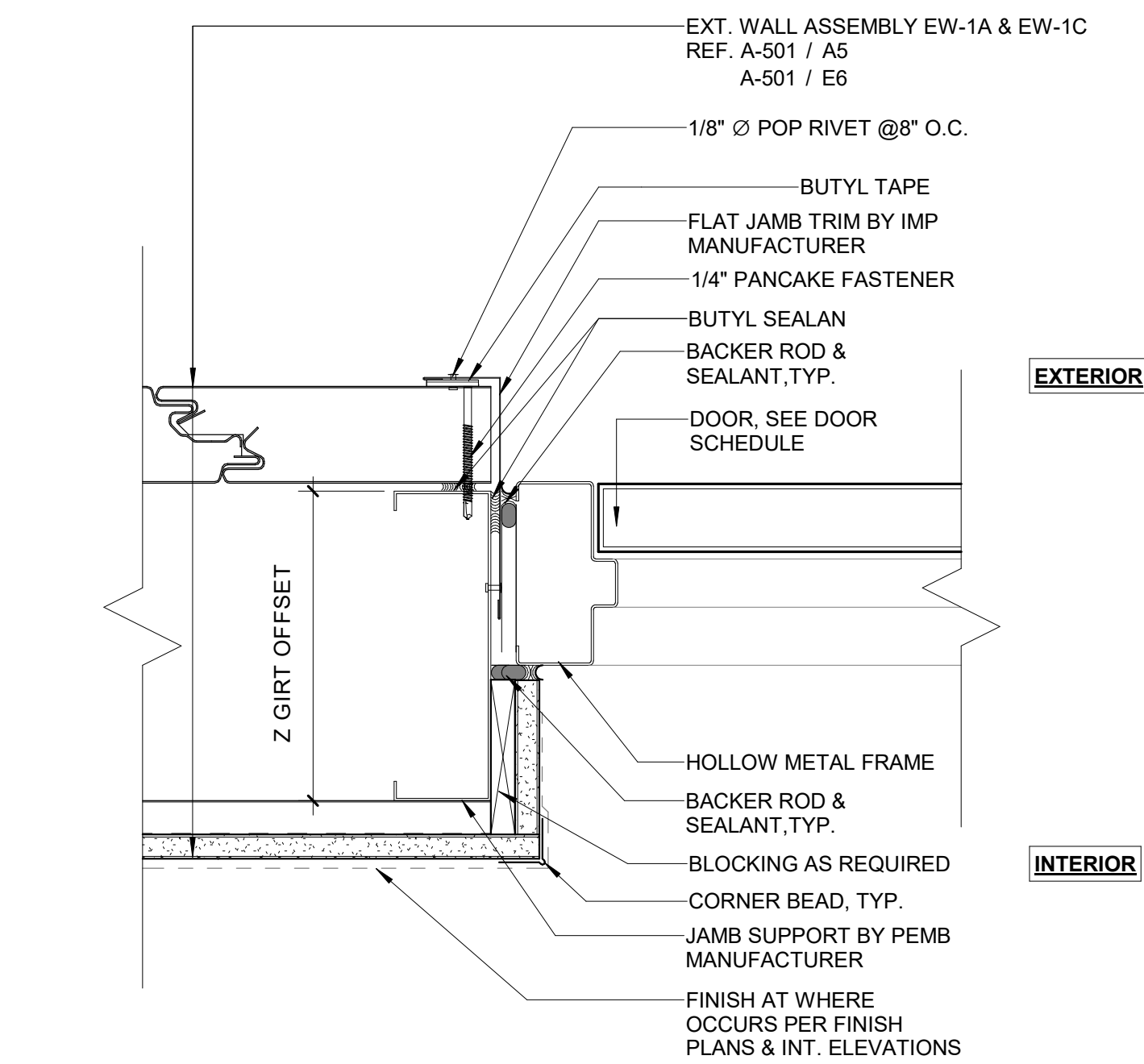
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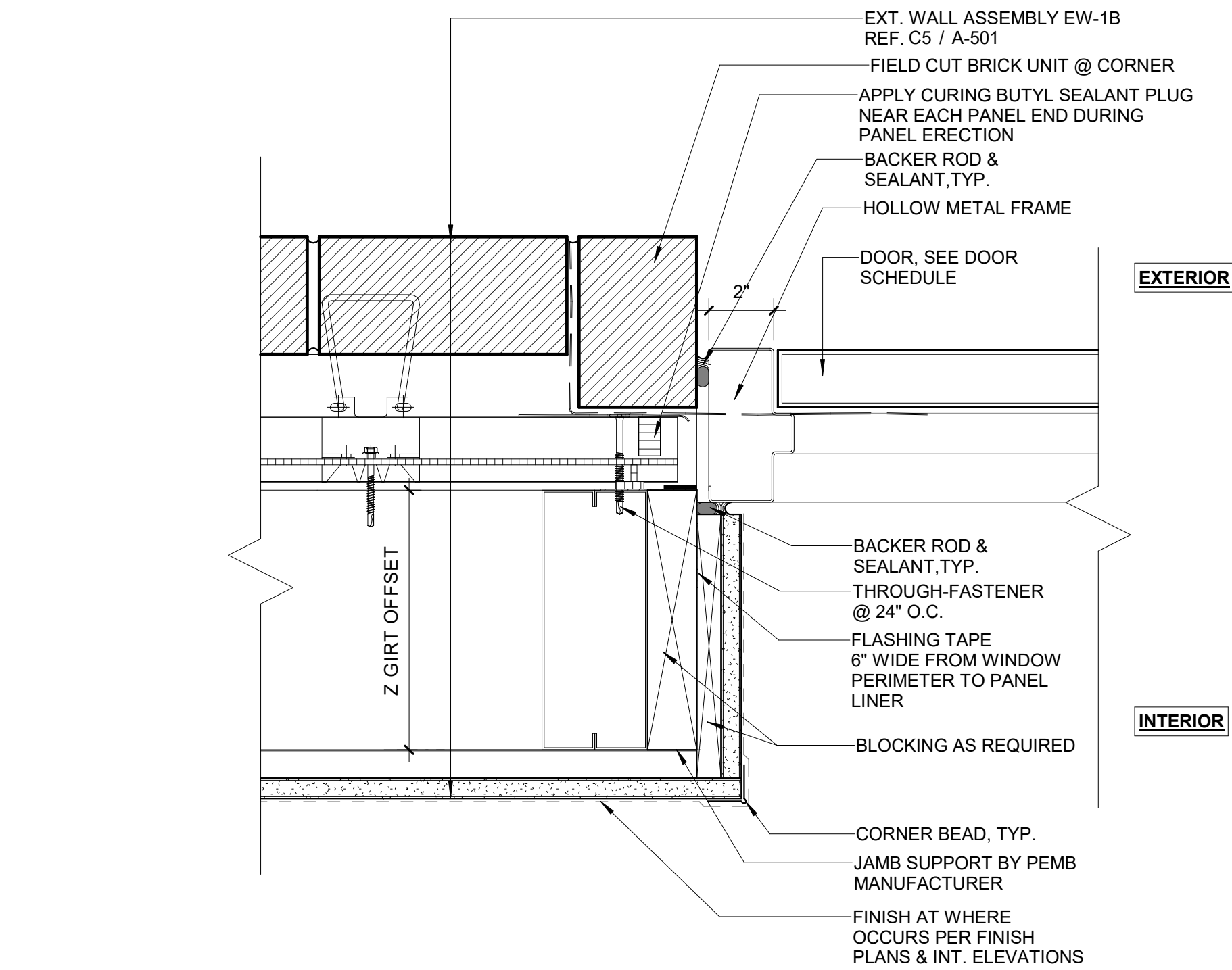
D1 DOOR HEAD DETAIL @ EW-1A & 1C  
Scale: 3" = 1'-0"



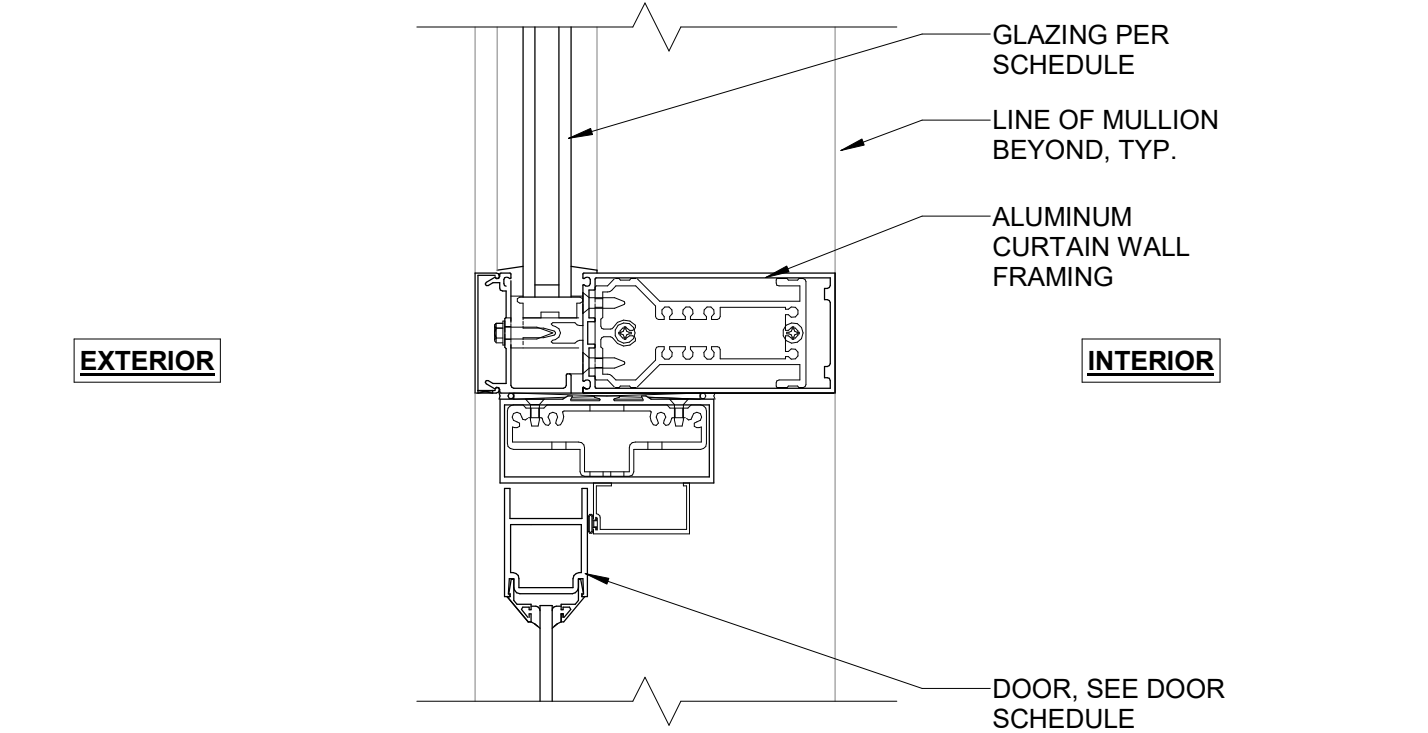
D2 DOOR HEAD DETAIL @ EW-1B  
Scale: 3" = 1'-0"



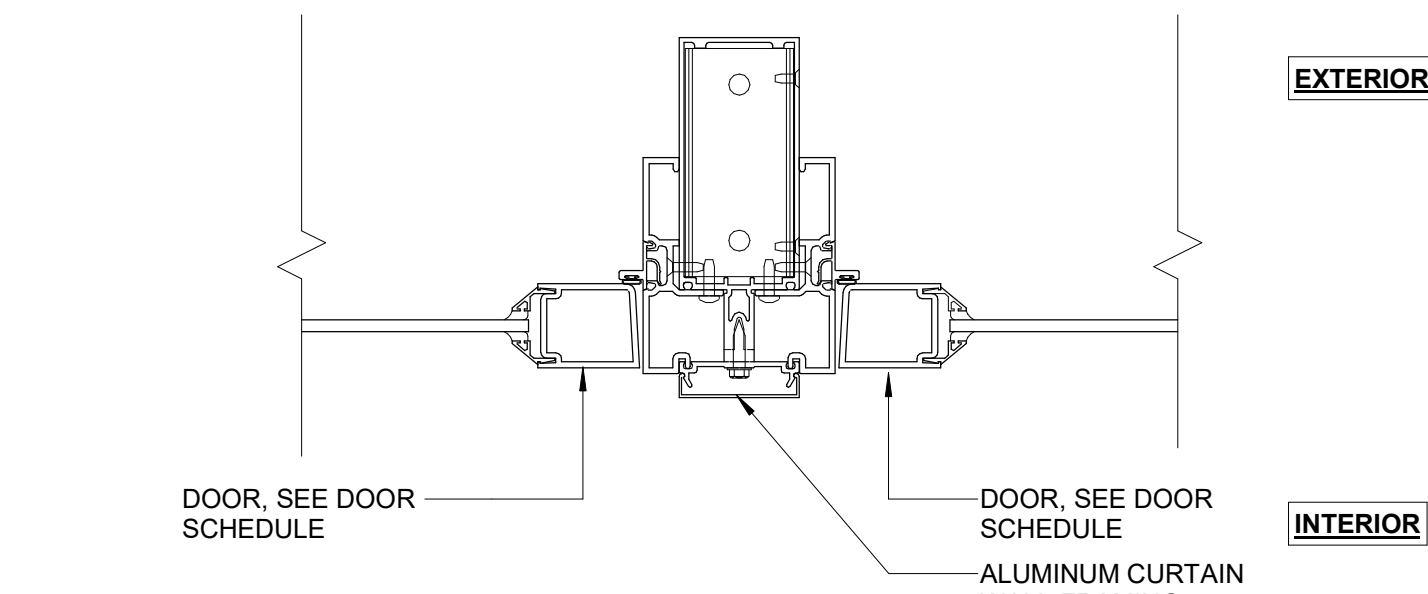
C1 DOOR JAMB DETAIL@EW-1A & 1C  
Scale: 3" = 1'-0"



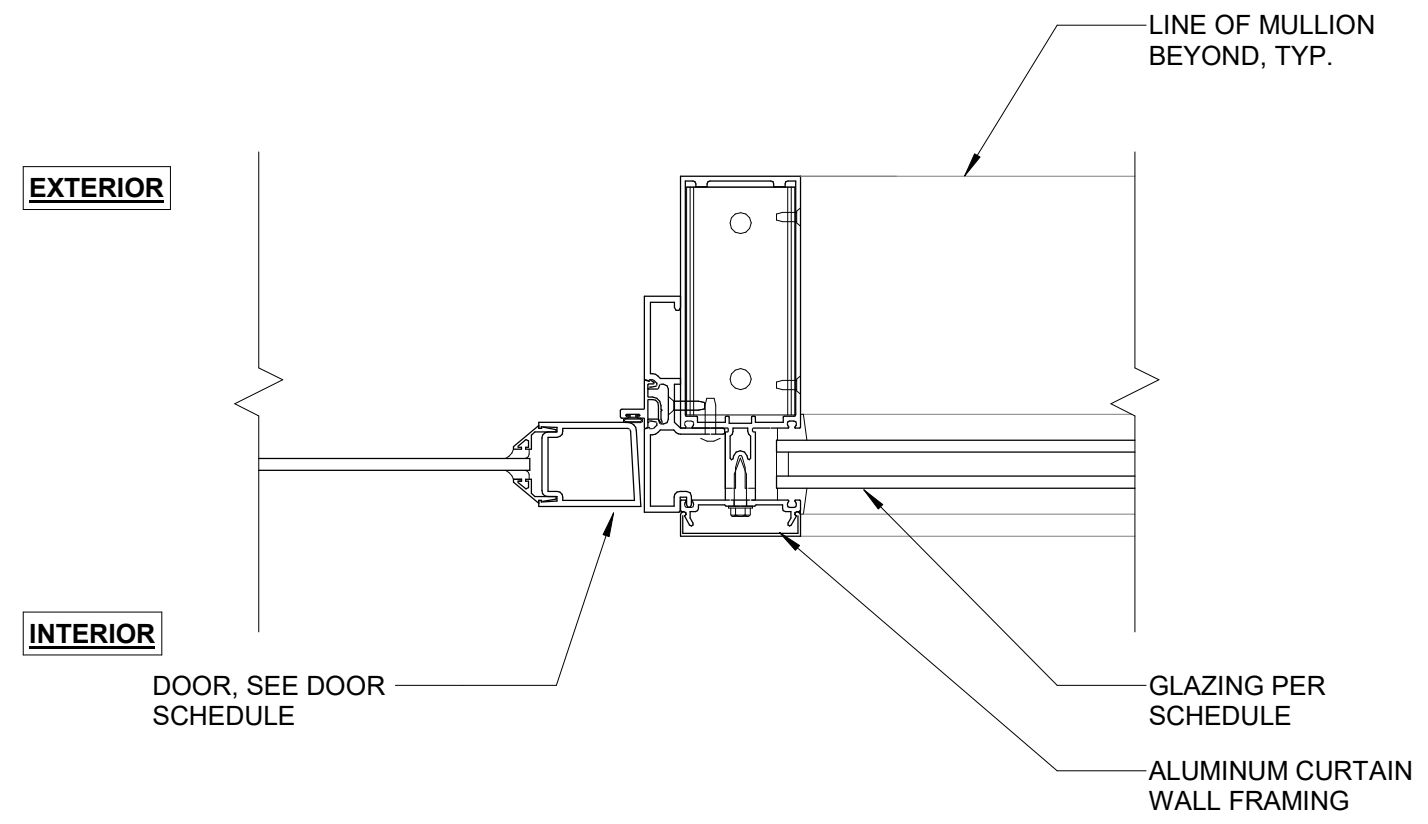
C2 DOOR JAMB DETAIL@EW-1B  
Scale: 3" = 1'-0"



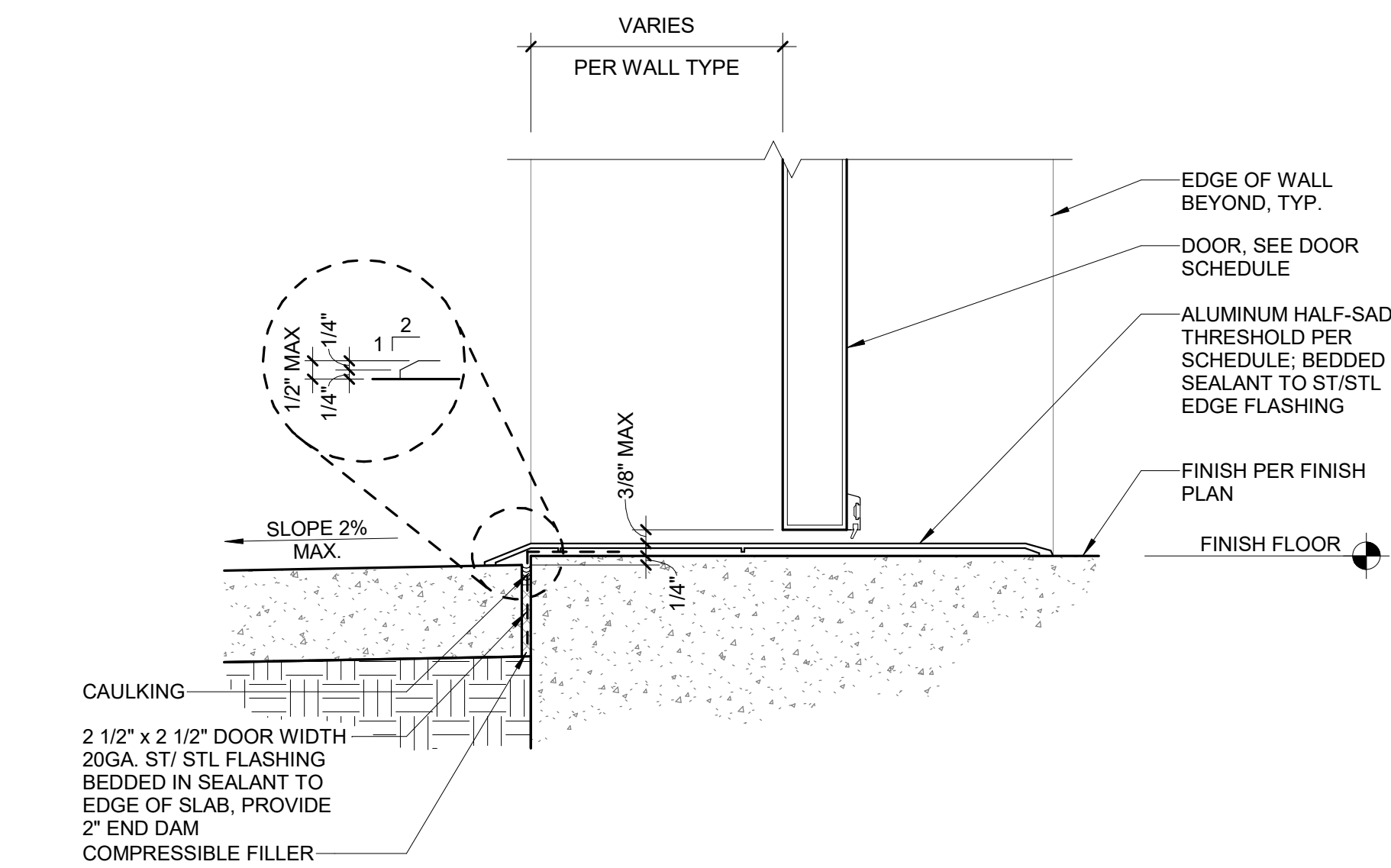
E4 DOOR HEAD DETAIL@CURTAIN WALL  
Scale: 3" = 1'-0"



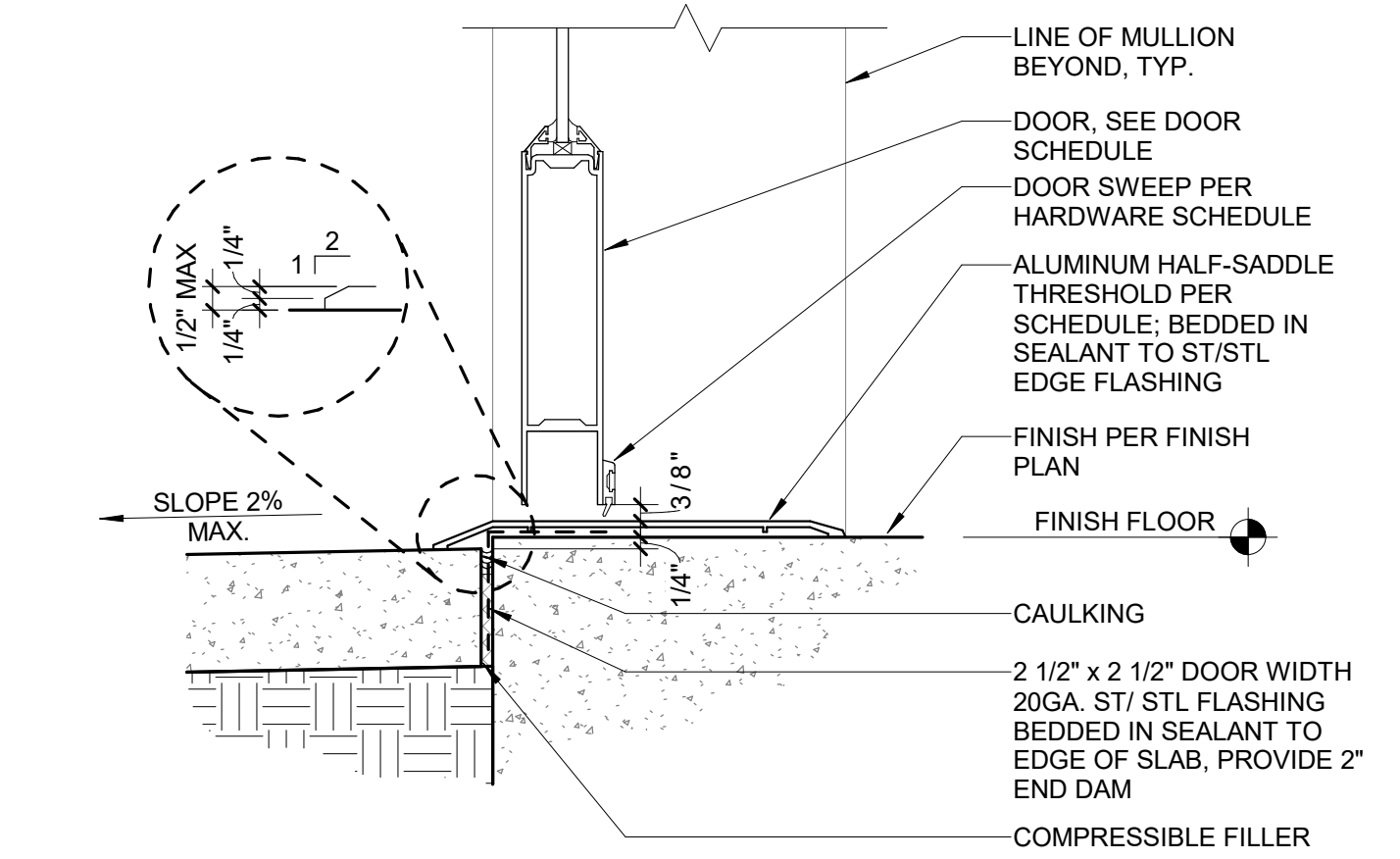
D4 DOOR JAMB DETAIL@CURTAIN CTR  
Scale: 3" = 1'-0"



B4 DOOR JAMB DETAIL@CURTAIN WALL  
Scale: 3" = 1'-0"



A2 DOOR SILL DETAIL @ EXT. WALL  
Scale: 3" = 1'-0"



A4 DOOR SILL DETAIL@CURTAIN WALL  
Scale: 3" = 1'-0"



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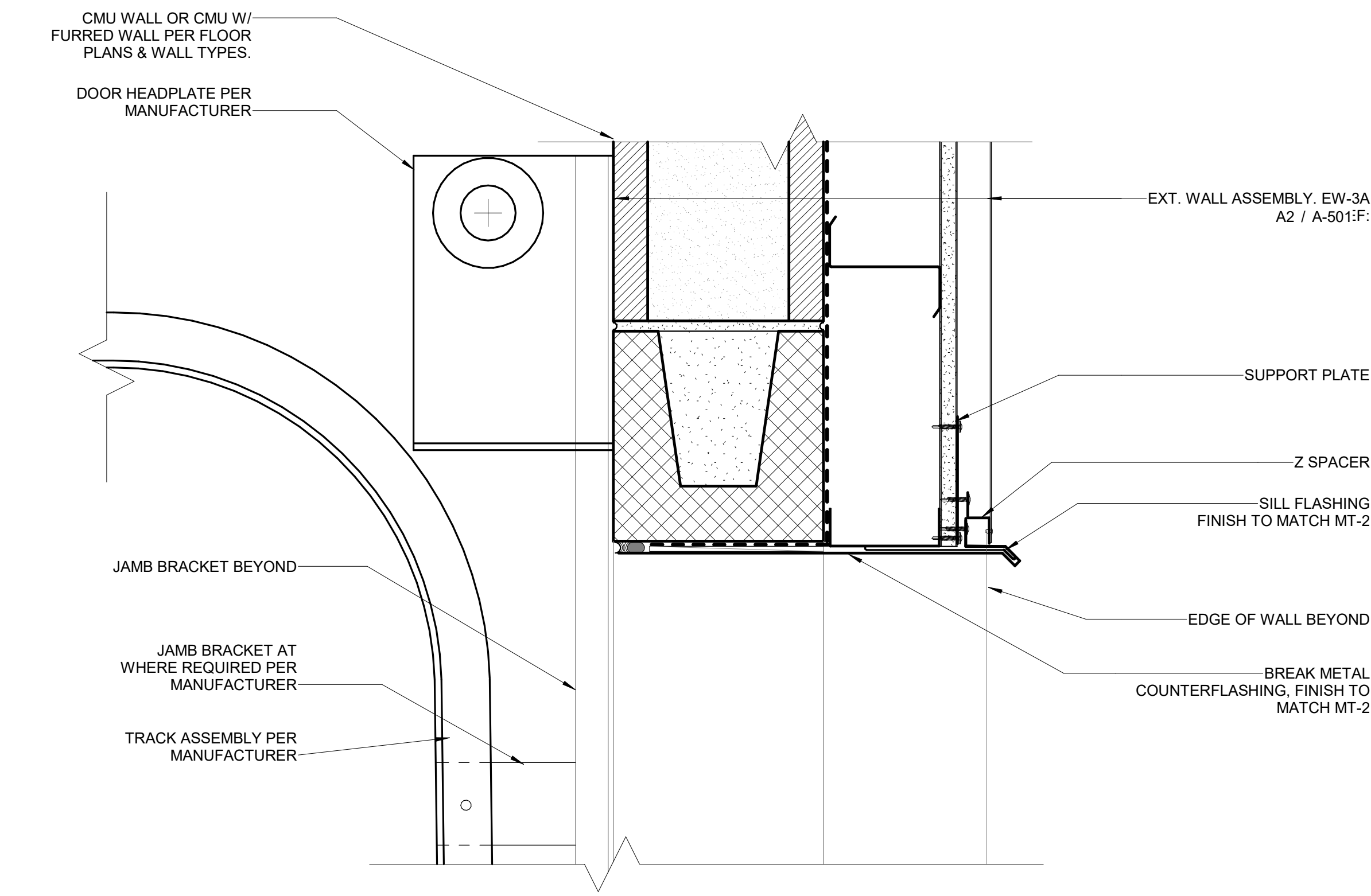
DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025  
TITLE

EXTERIOR DOOR DETAILS

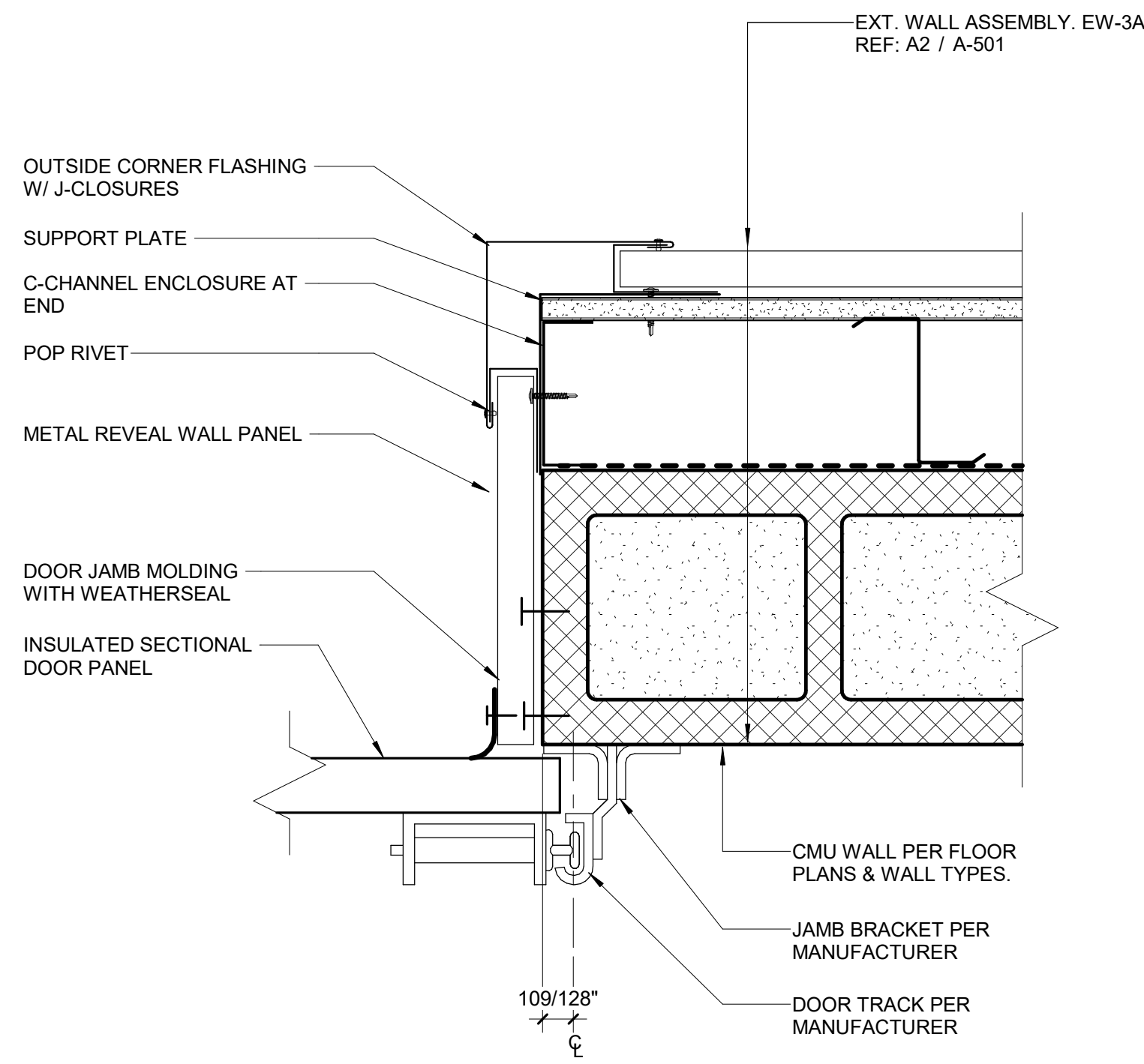
PROJECT NO. 50184767

A-603

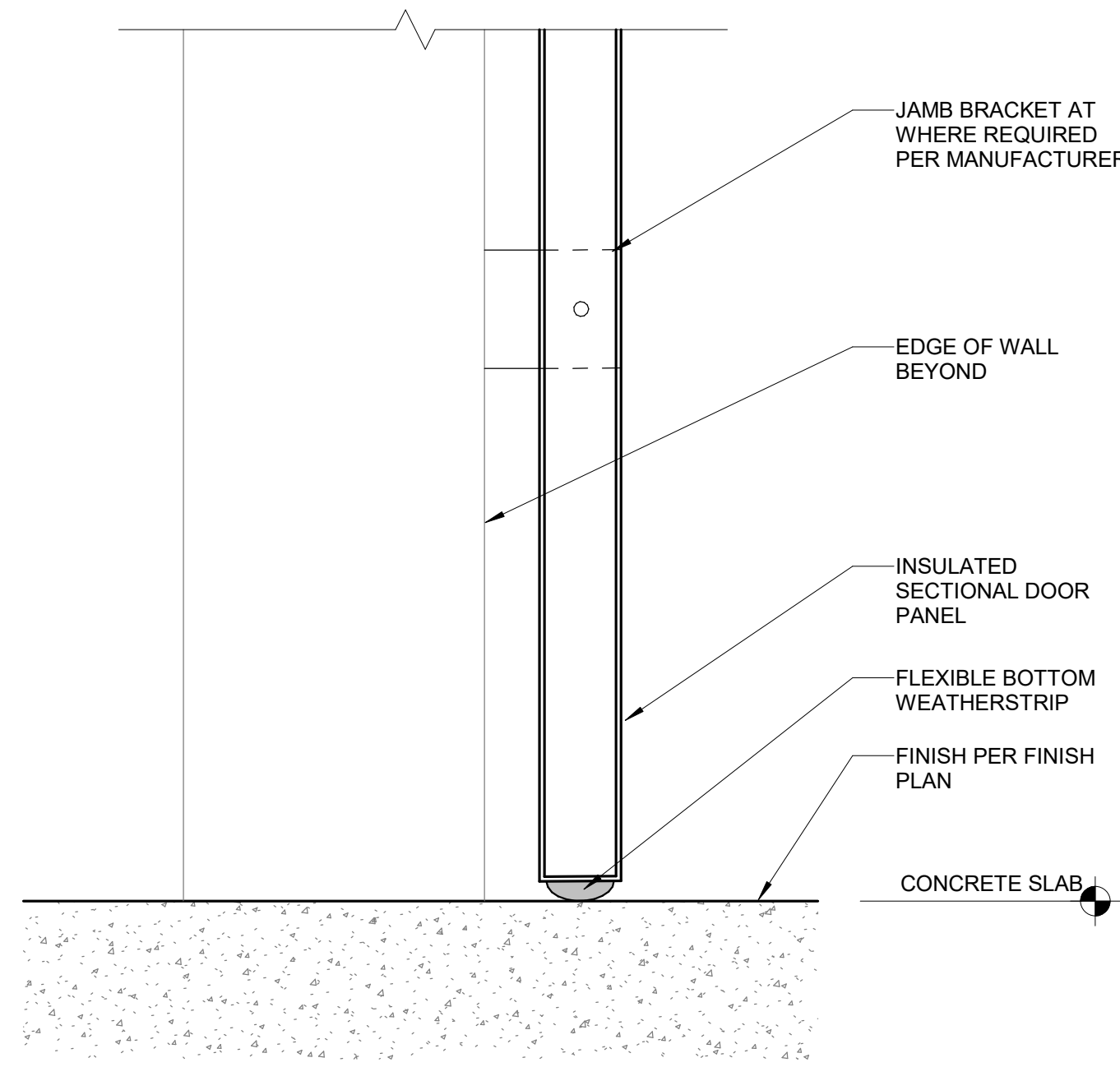
SHEET NO.



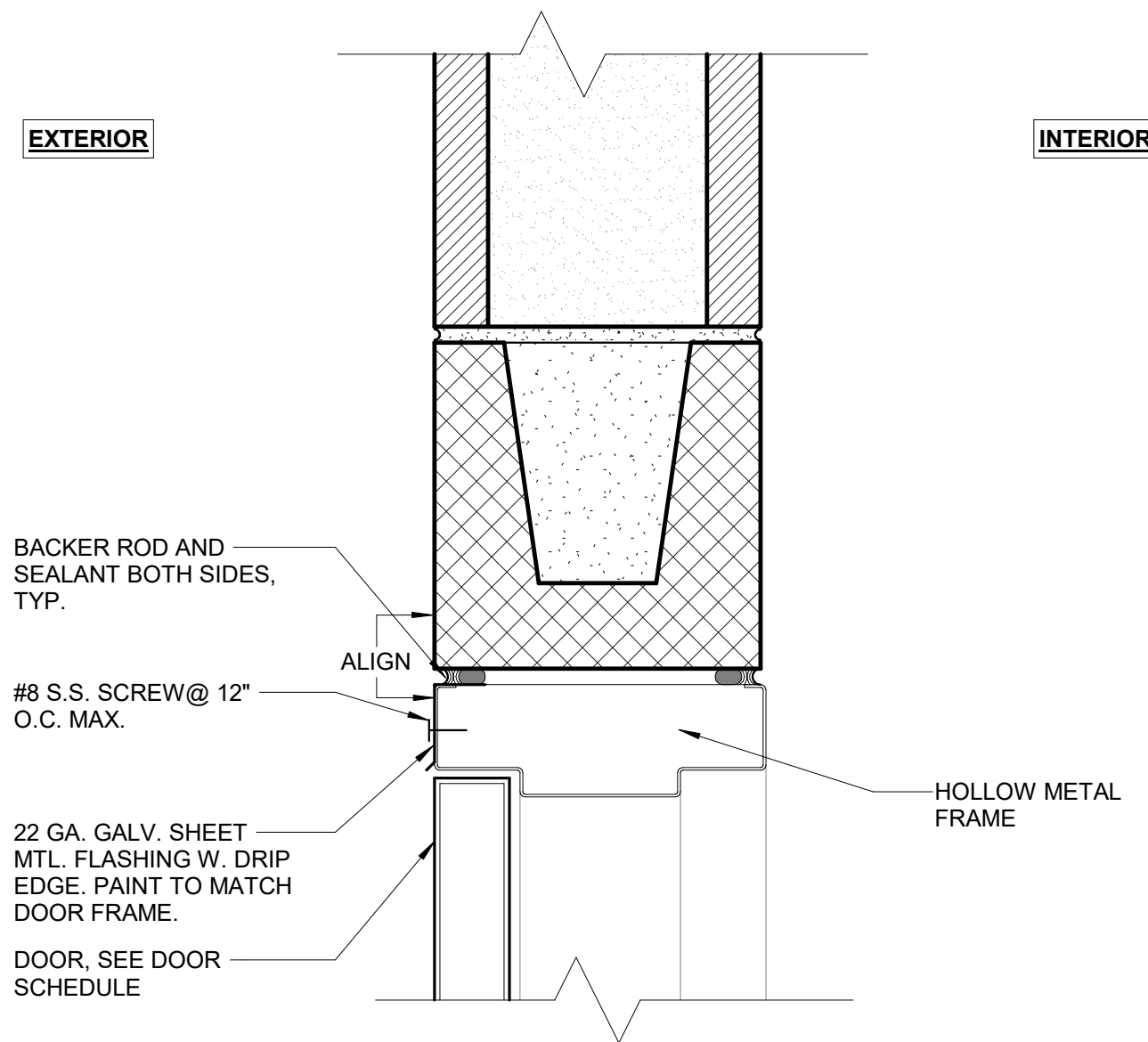
E1 INSULATED SECTIONAL DOOR HEAD DETAIL  
Scale: 3" = 1'-0"



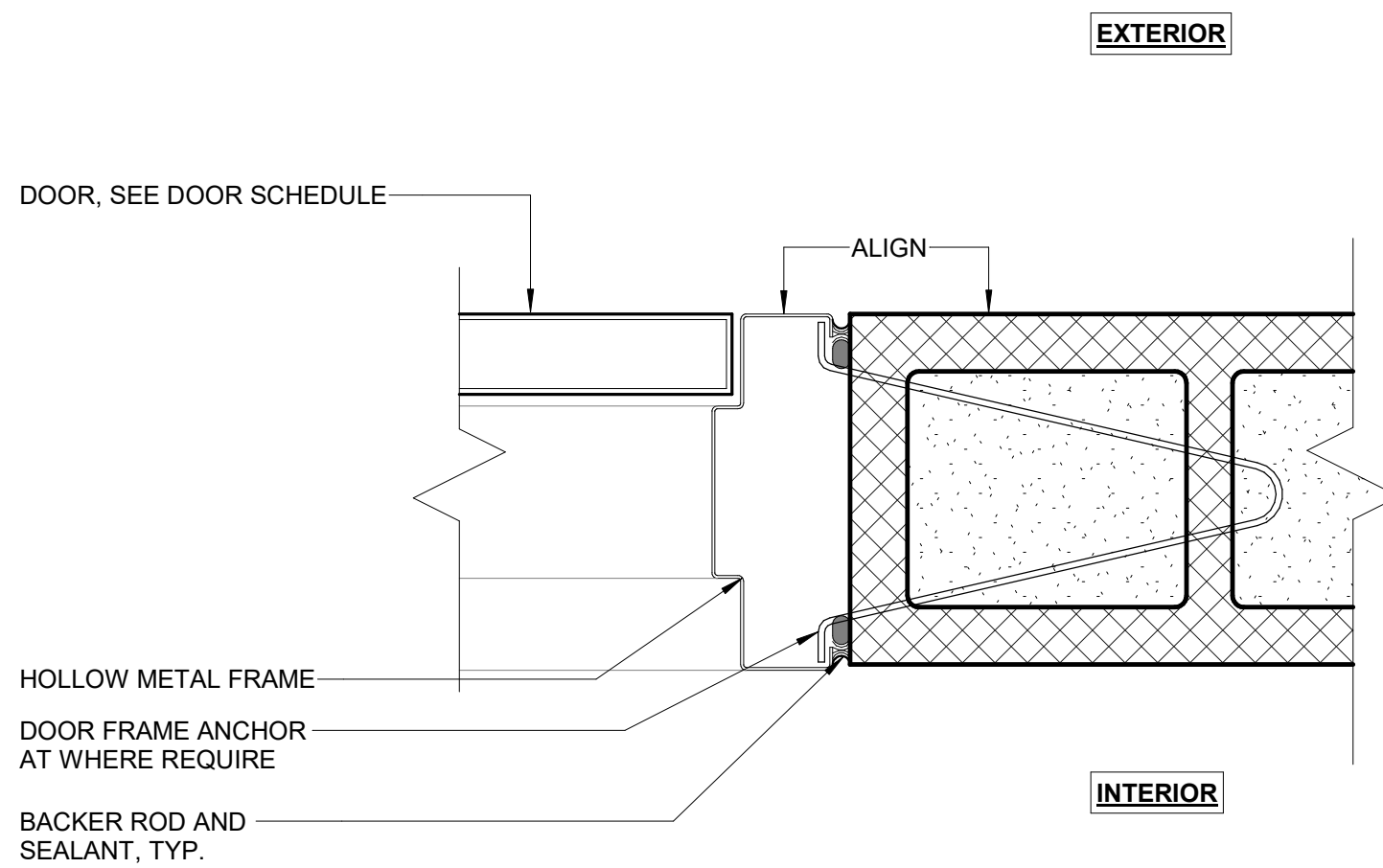
E3 INSULATED SECTIONAL DOOR JAMB DETAIL  
Scale: 3" = 1'-0"



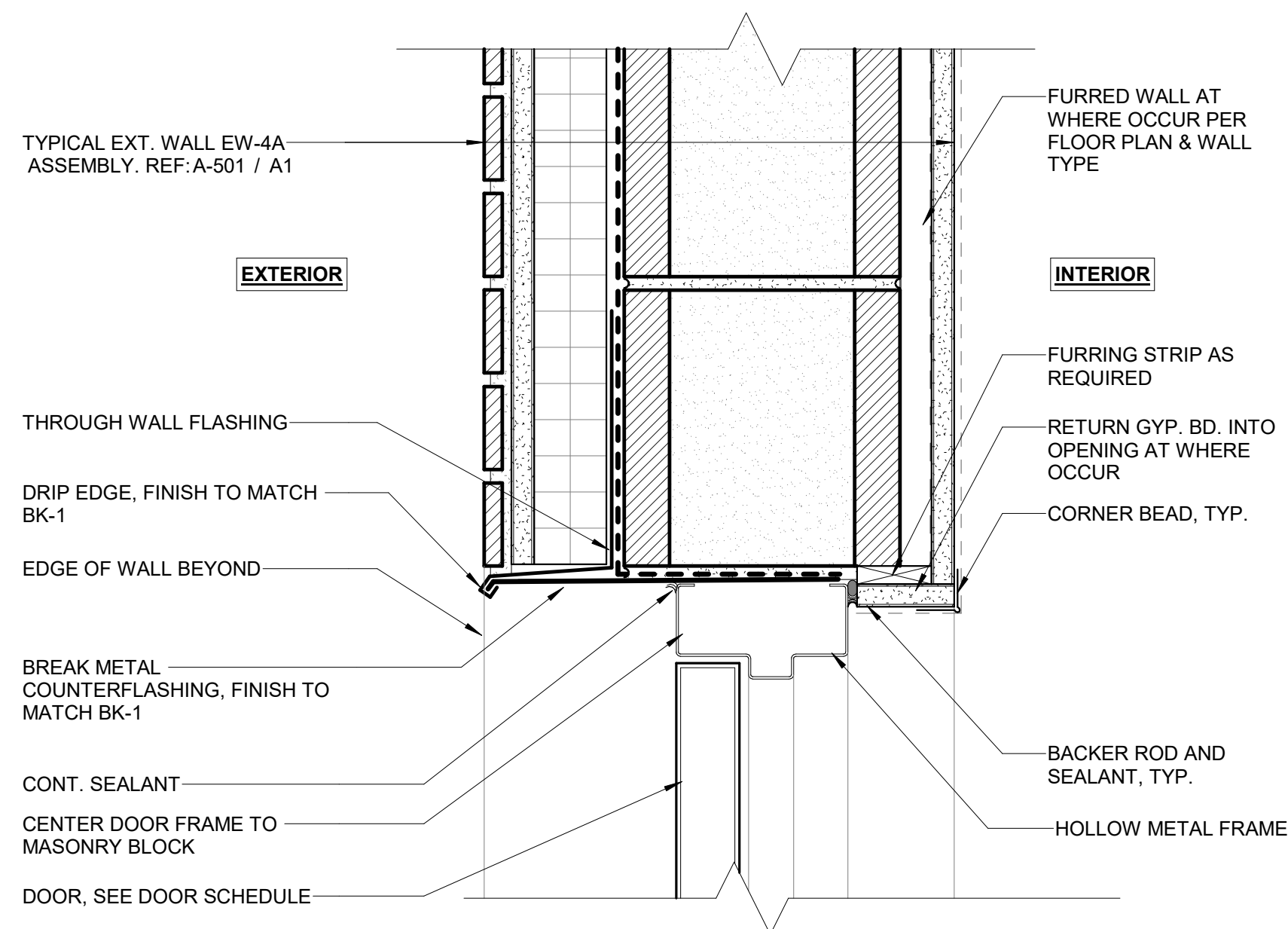
E5 INSULATED SECTIONAL DOOR SILL DETAIL  
Scale: 3" = 1'-0"



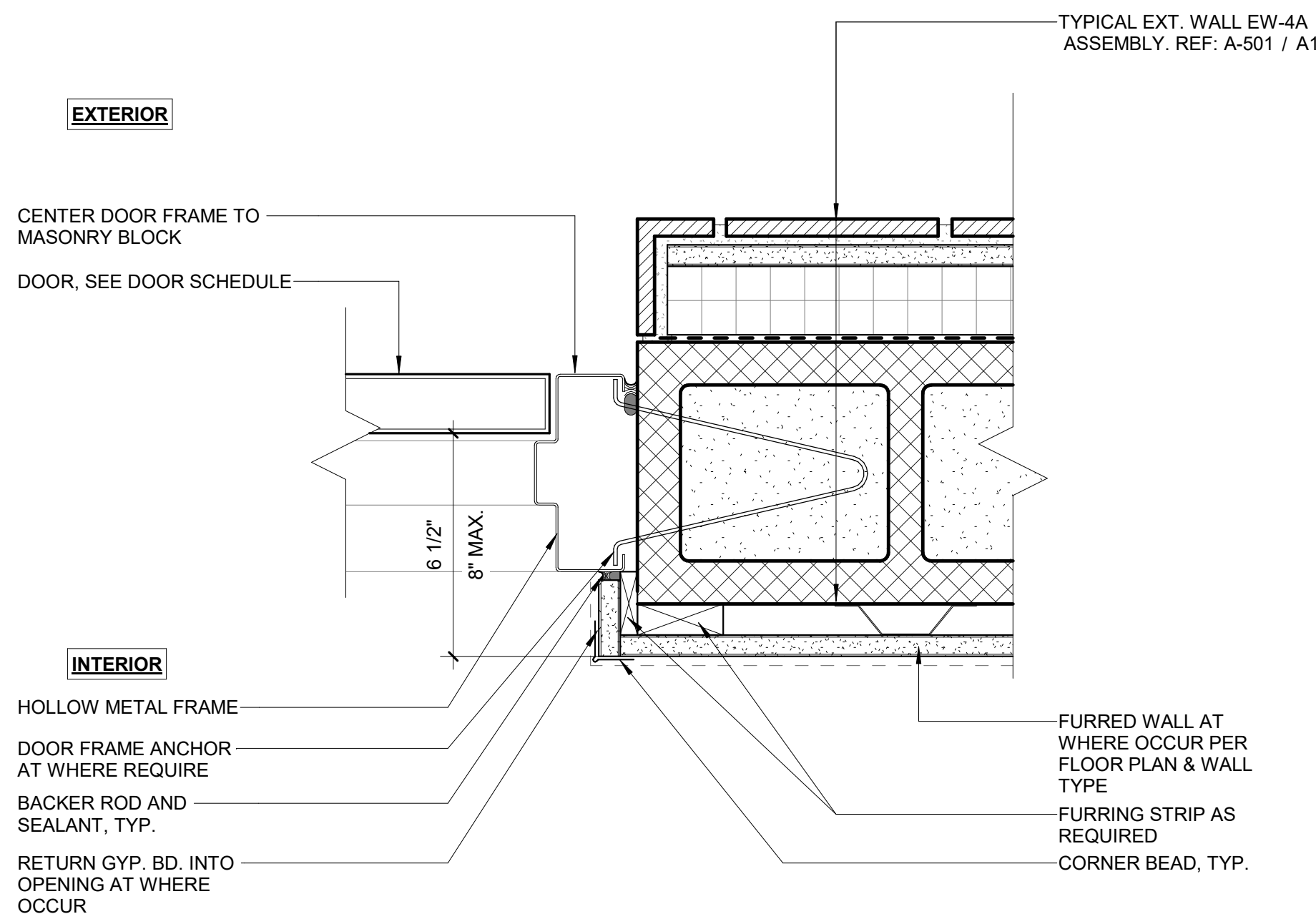
C1 DOOR HEAD DETAIL @ ELEC.RM  
Scale: 3" = 1'-0"



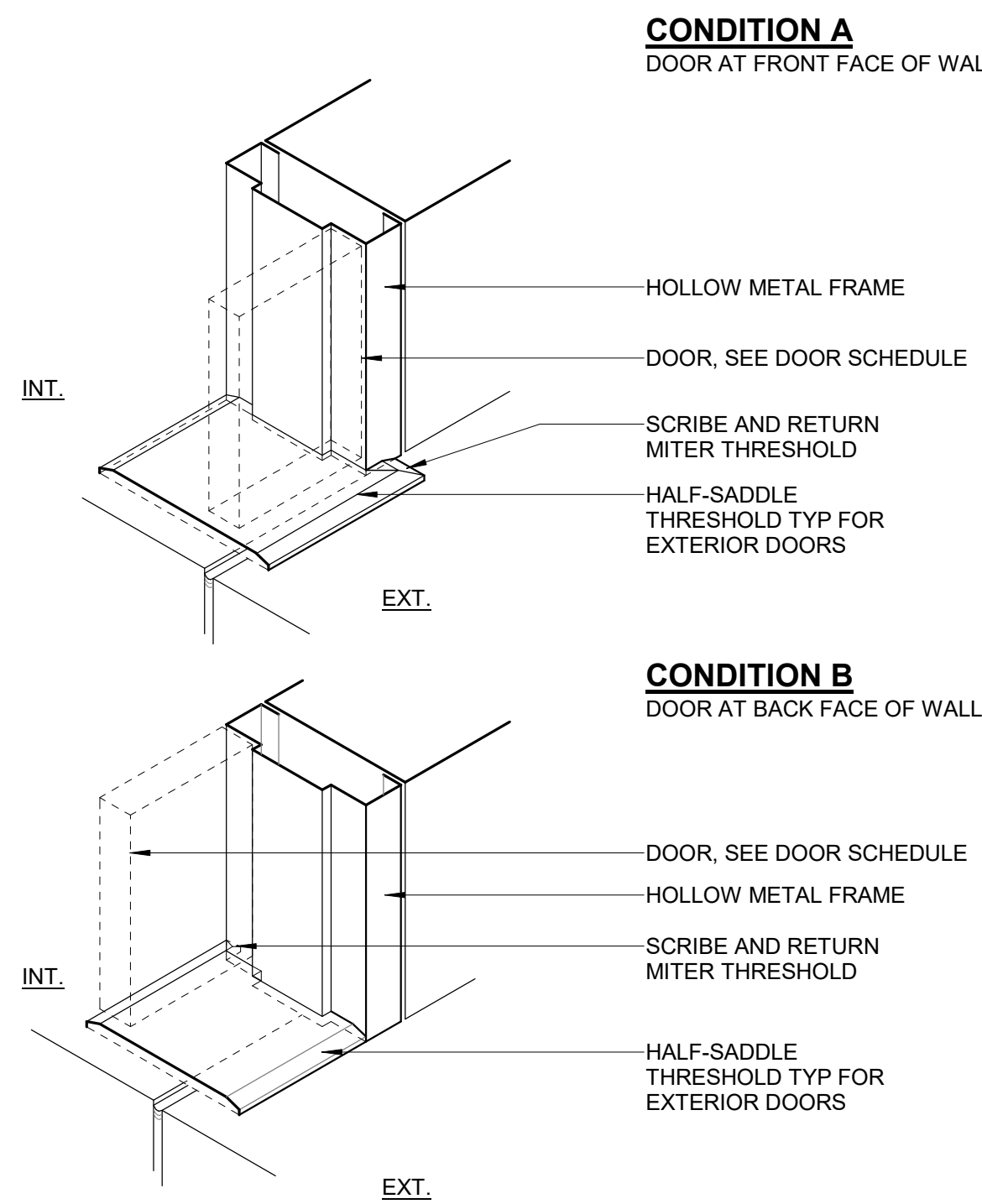
C2 DOOR JAMB DETAIL @ ELEC. RM  
Scale: 3" = 1'-0"



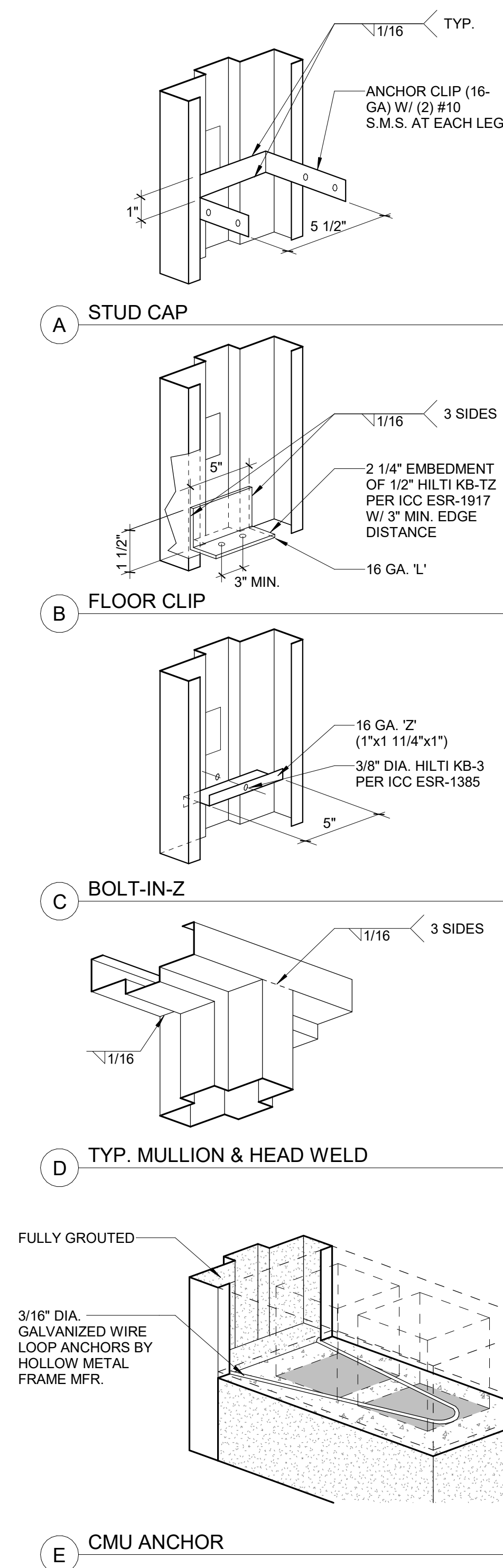
A1 DOOR HEAD DETAIL @ EW-4A  
Scale: 3" = 1'-0"



A2 DOOR JAMB DETAIL @ EW-4A  
Scale: 3" = 1'-0"



A4 TYPICAL THRESHOLD ASSEMBLY  
Scale: 12" = 1'-0"



A5 TYPICAL HM DOOR AND FRAME DETAILS  
Scale: 12" = 1'-0"



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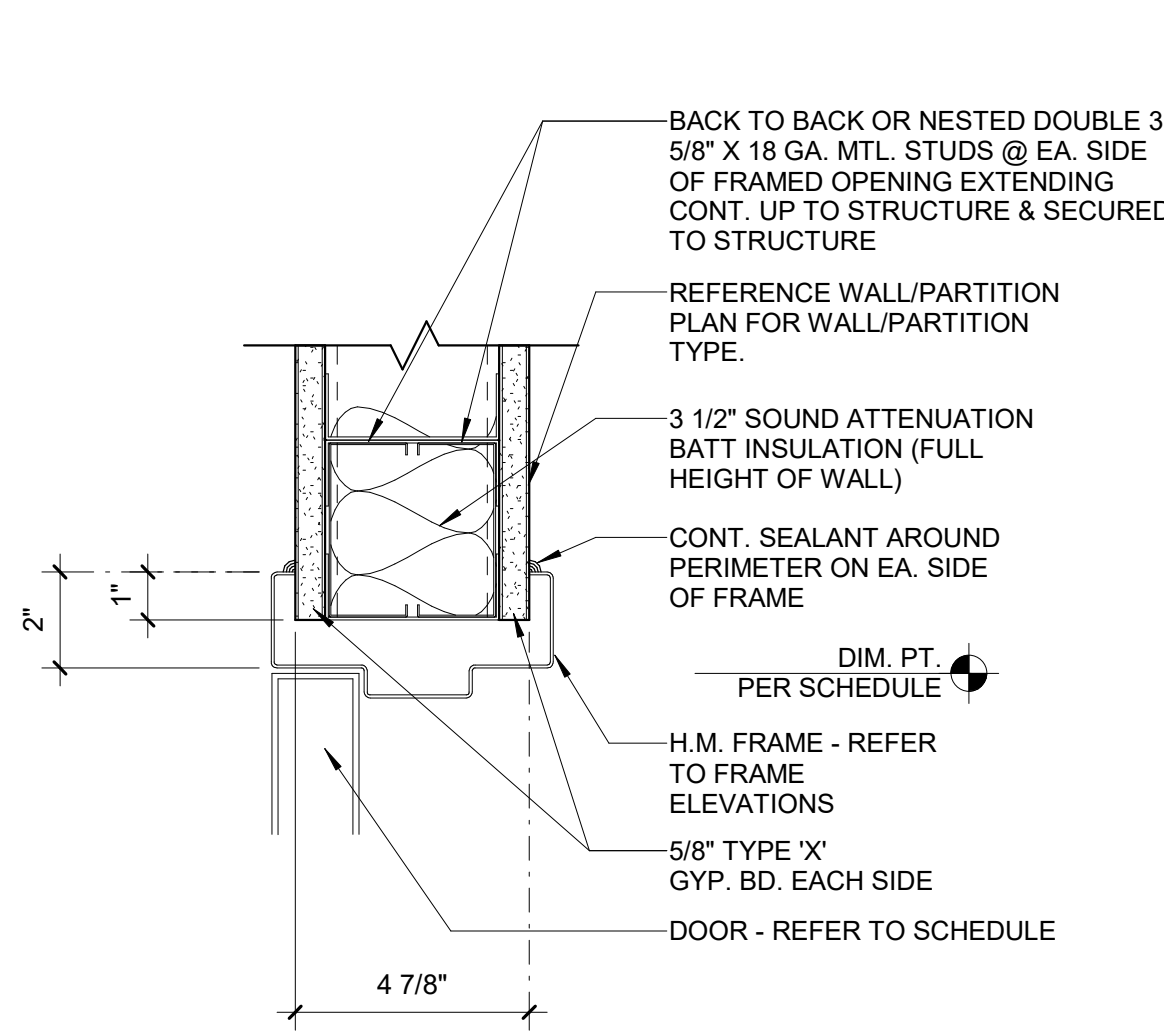
TITLE

INTERIOR DOOR  
DETAILS

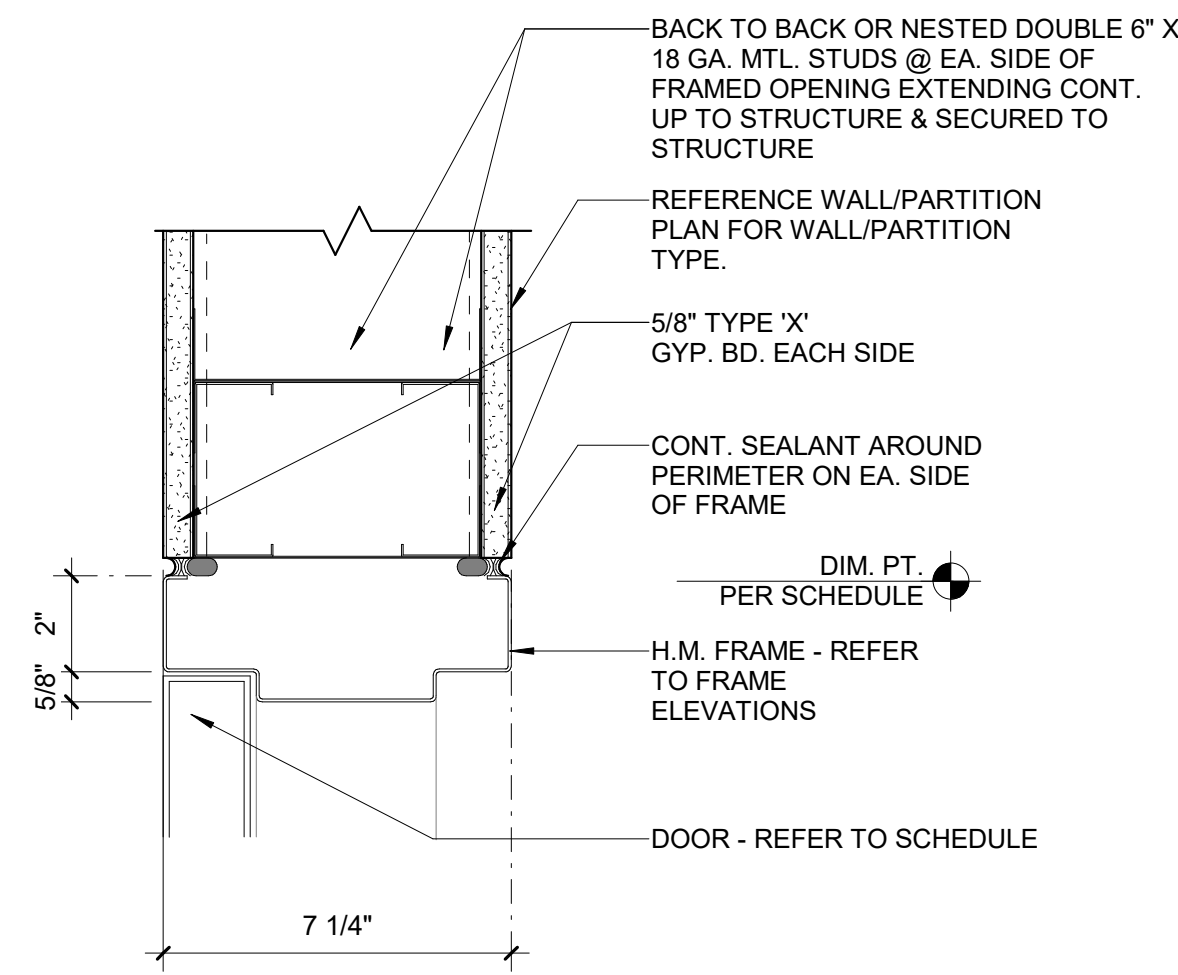
PROJECT NO. 50184767

A-604

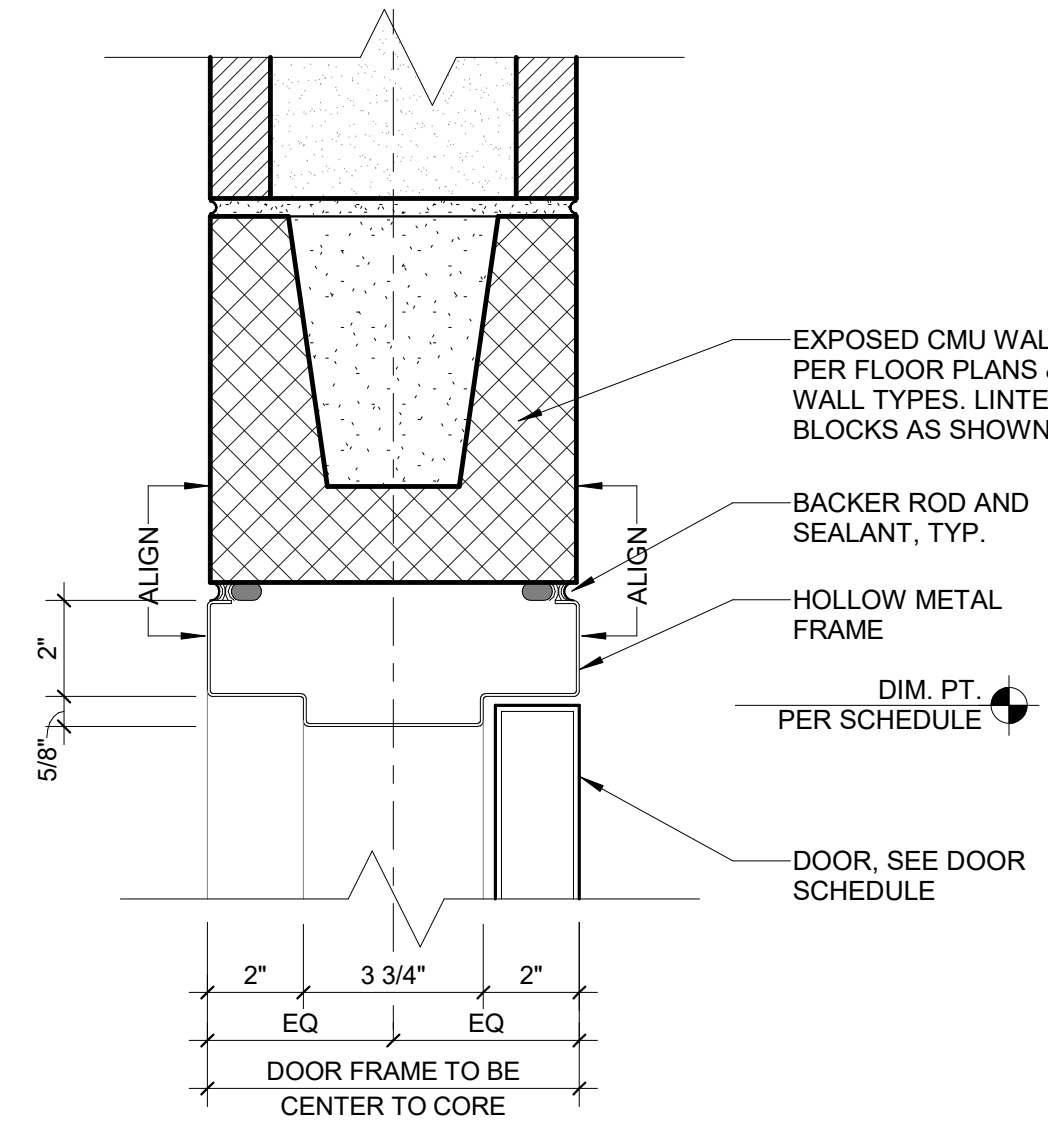
SHEET NO.



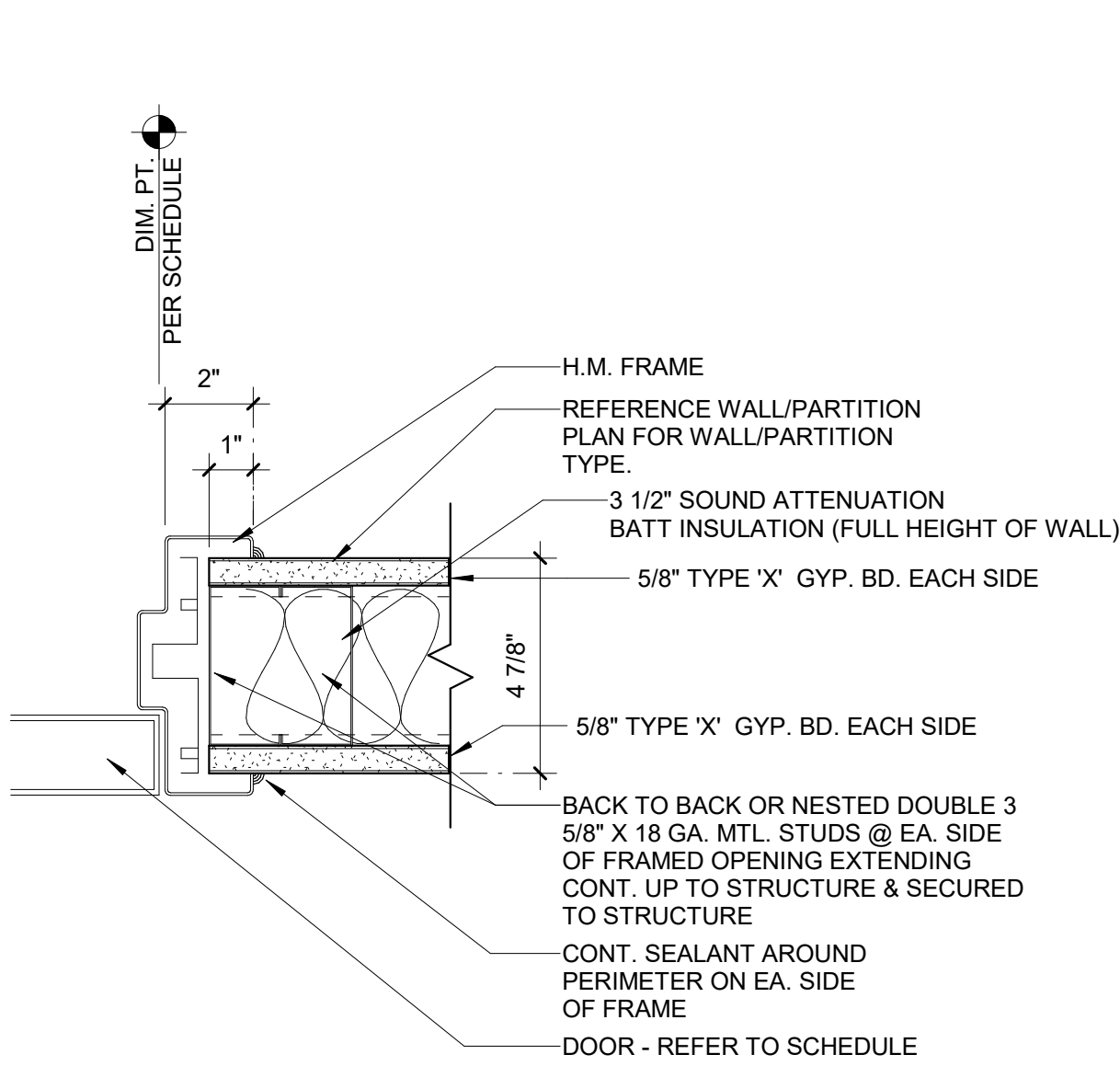
E1 DOOR HEAD DETAIL @ MTL. STUD WALL  
Scale: 3" = 1'-0"



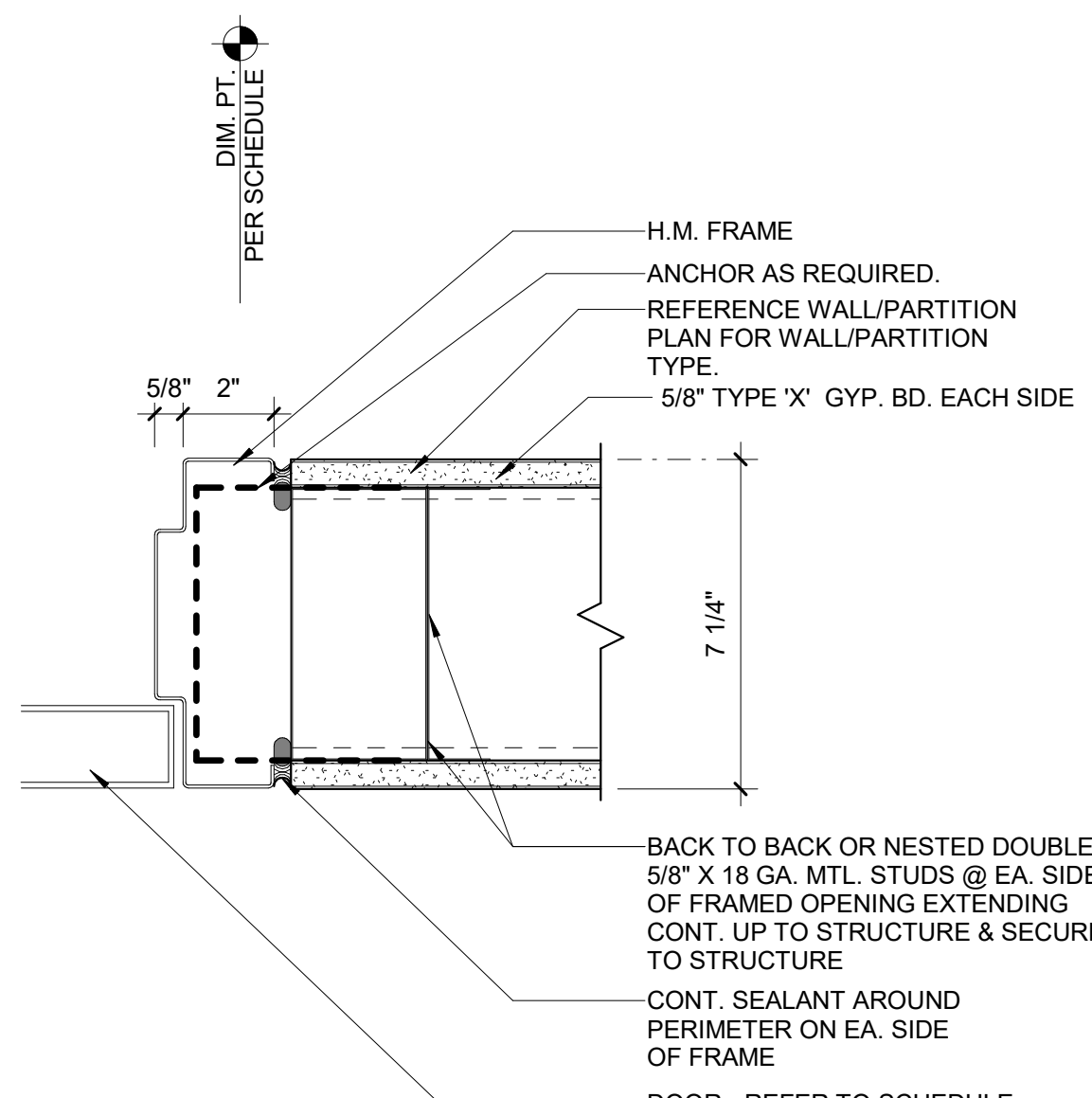
E2 DOOR HEAD DETAIL @ MTL. STUD WALL  
Scale: 3" = 1'-0"



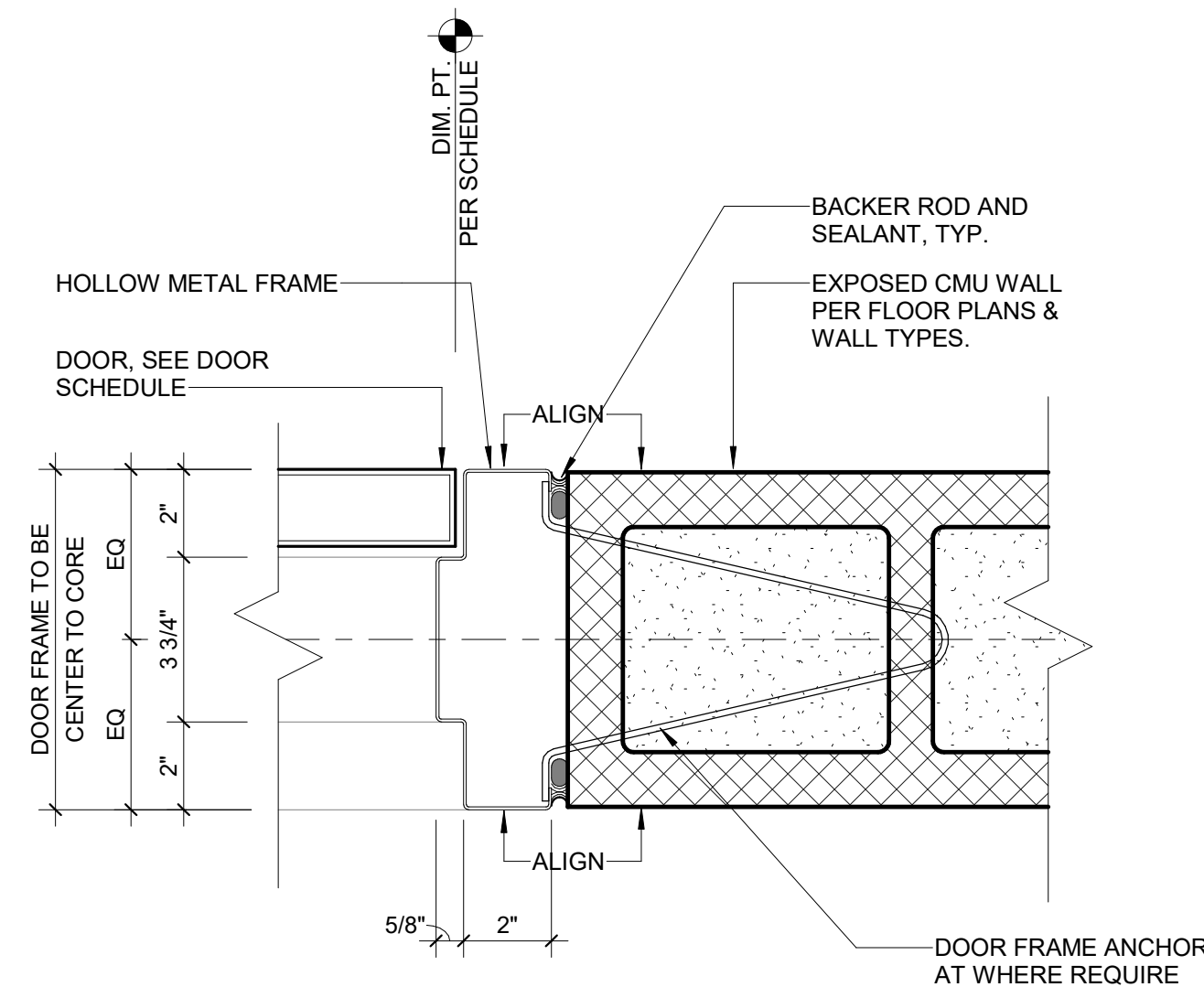
E4 DOOR HEAD DETAIL @ EXPOSED CMU WALL  
Scale: 3" = 1'-0"



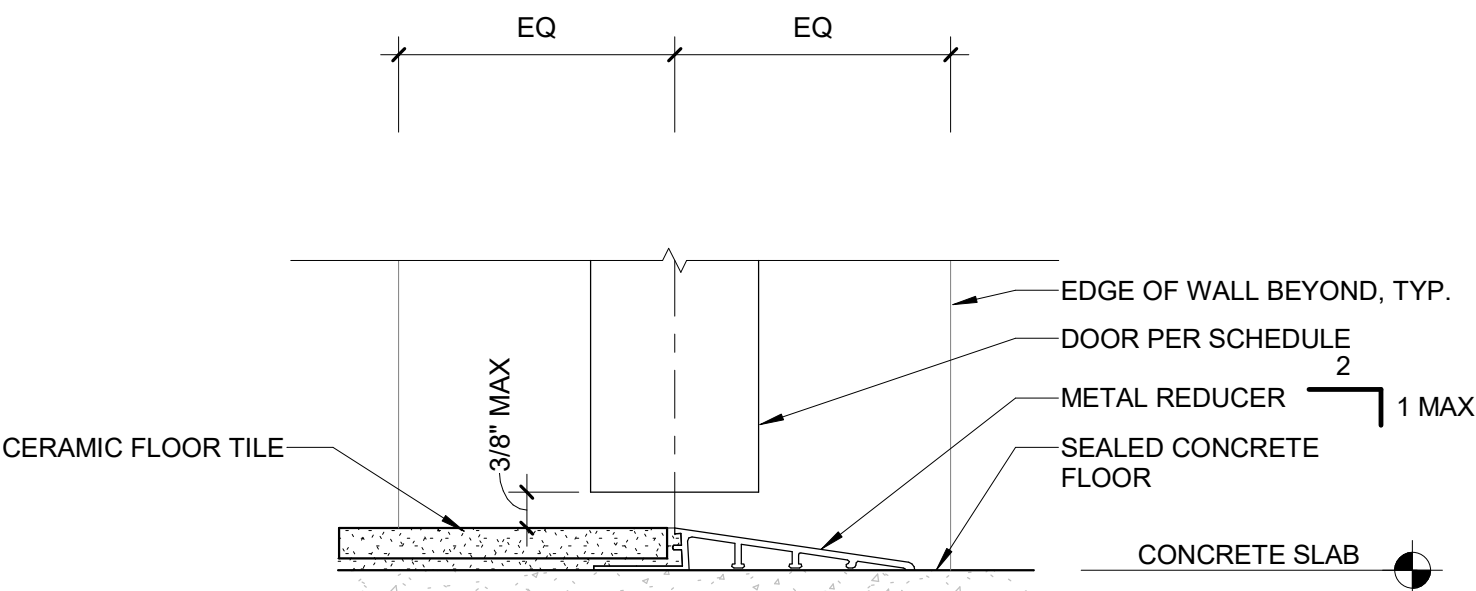
C1 DOOR JAMB DETAIL @ MTL. STUD WALL  
Scale: 3" = 1'-0"



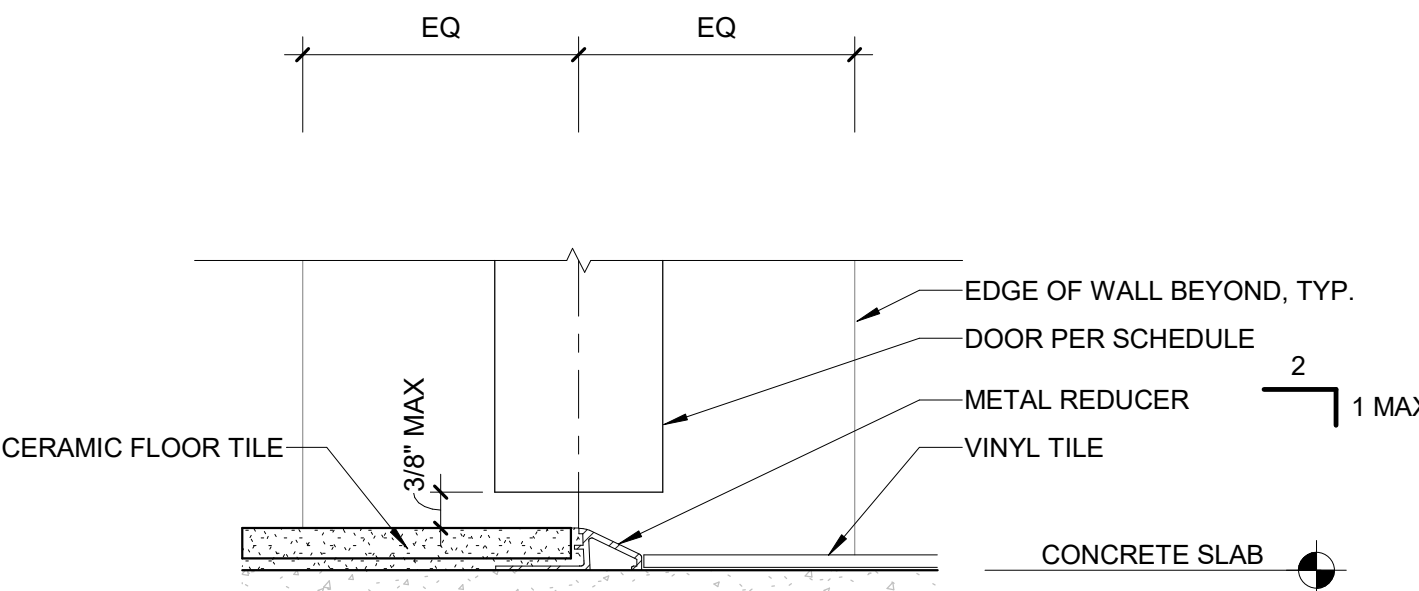
C2 DOOR JAMB DETAIL @ MTL. STUD WALL  
Scale: 3" = 1'-0"



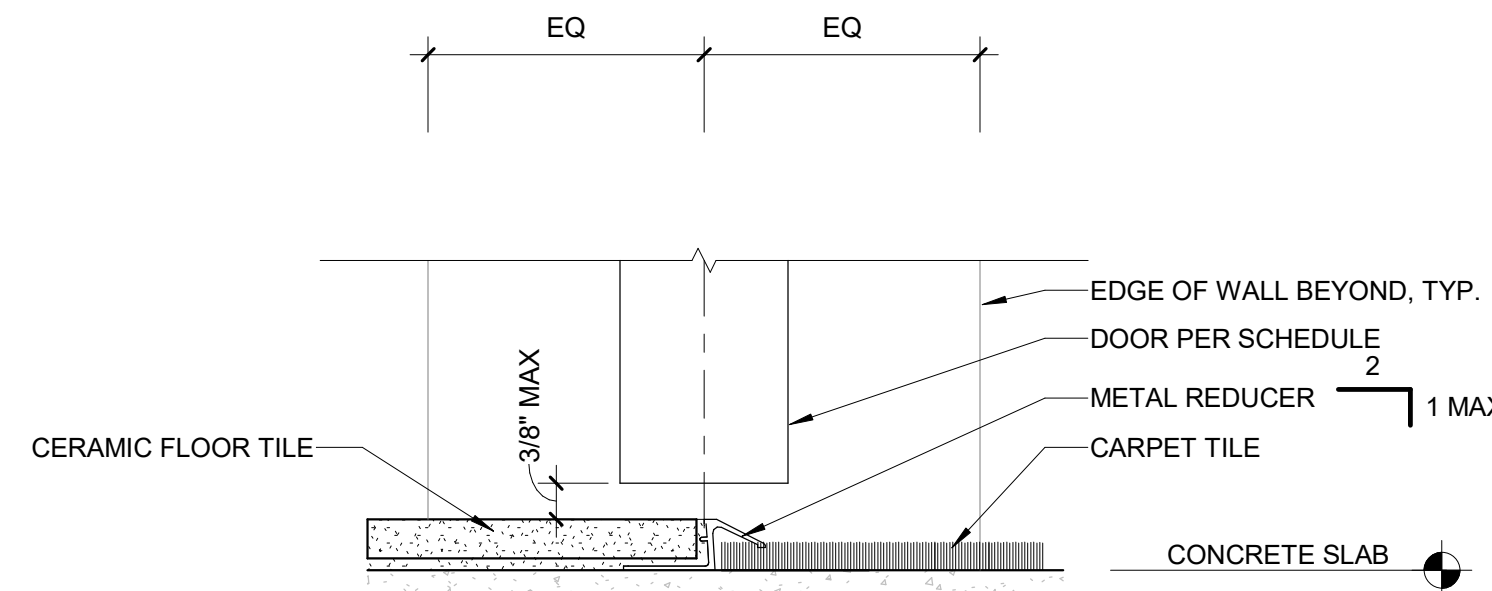
C4 DOOR JAMB DETAIL @ EXPOSED CMU WALL  
Scale: 3" = 1'-0"



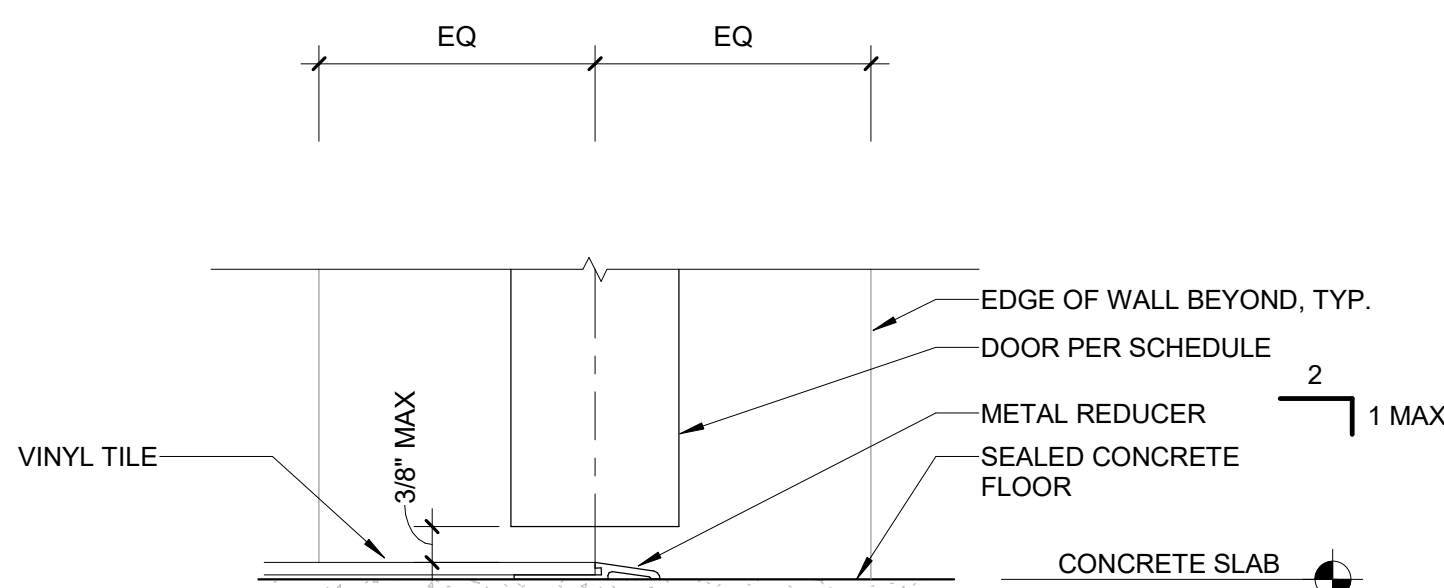
B1 DOOR SILL DETAIL @ TILE TO CONCRETE  
Scale: 6" = 1'-0"



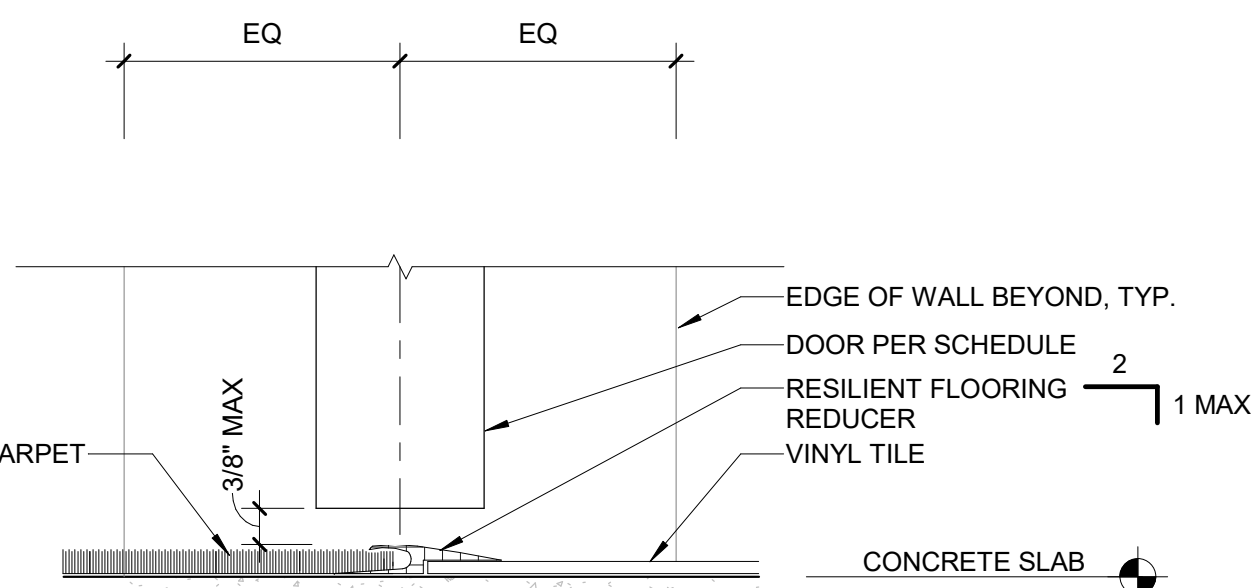
B2 DOOR SILL DETAIL @ TILE TO LVT  
Scale: 6" = 1'-0"



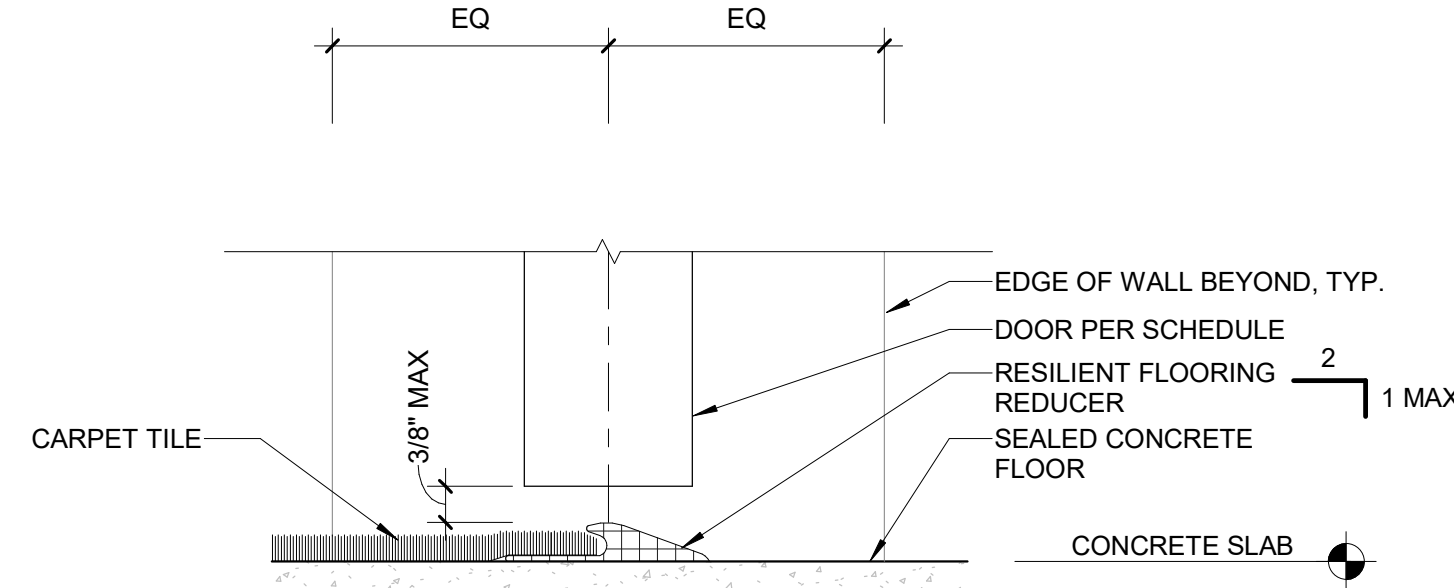
B4 DOOR SILL DETAIL @ CARPET TO LVT  
Scale: 6" = 1'-0"



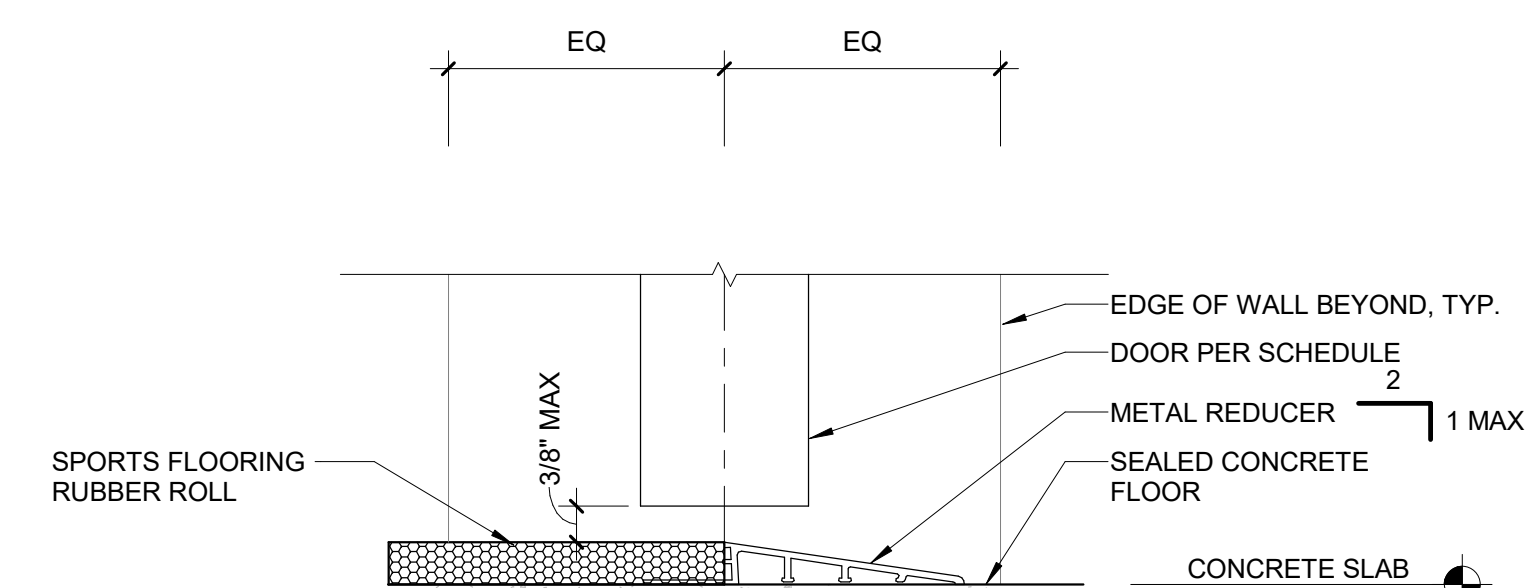
A1 DOOR SILL DETAIL @ LVT TO CONCRETE  
Scale: 6" = 1'-0"



A2 DOOR SILL DETAIL @ CARPET TO LVT  
Scale: 6" = 1'-0"

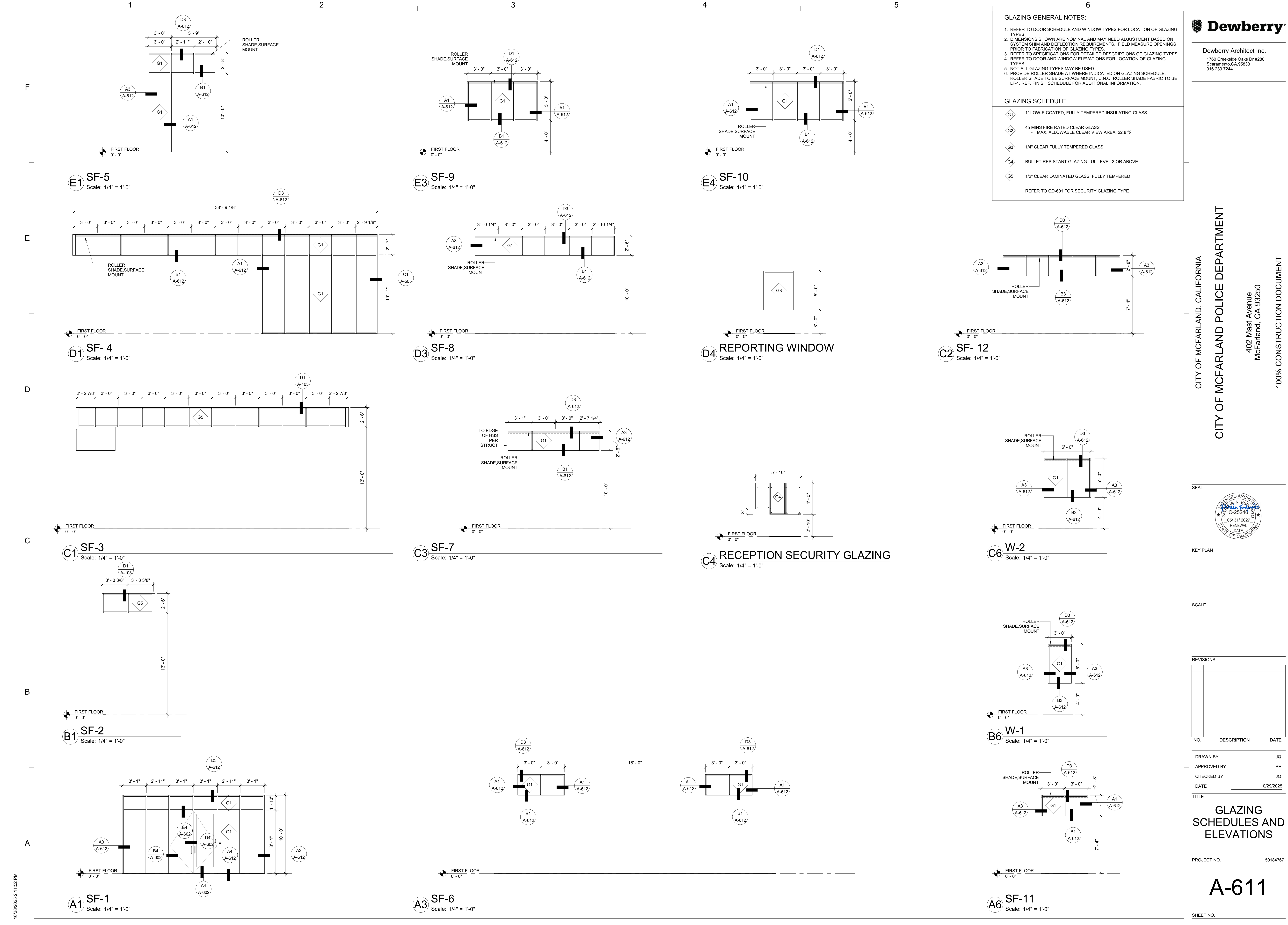


A4 DOOR SILL DETAIL @ CARPET TO CONCRETE  
Scale: 6" = 1'-0"



A5 DOOR SILL DETAIL @ SPORTS FLOORING  
TO CONCRETE  
Scale: 6" = 1'-0"





REVISIONS		
NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ JQ  
APPROVED BY \_\_\_\_\_ PE  
CHECKED BY \_\_\_\_\_ JQ  
DATE \_\_\_\_\_ 10/29/2025

TITLE  
**GLAZING  
SCHEDULES AND  
ELEVATIONS**

PROJECT NO. \_\_\_\_\_ 50184767

**A-611**

SHEET NO.



10/29/2025 2:11:55 PM

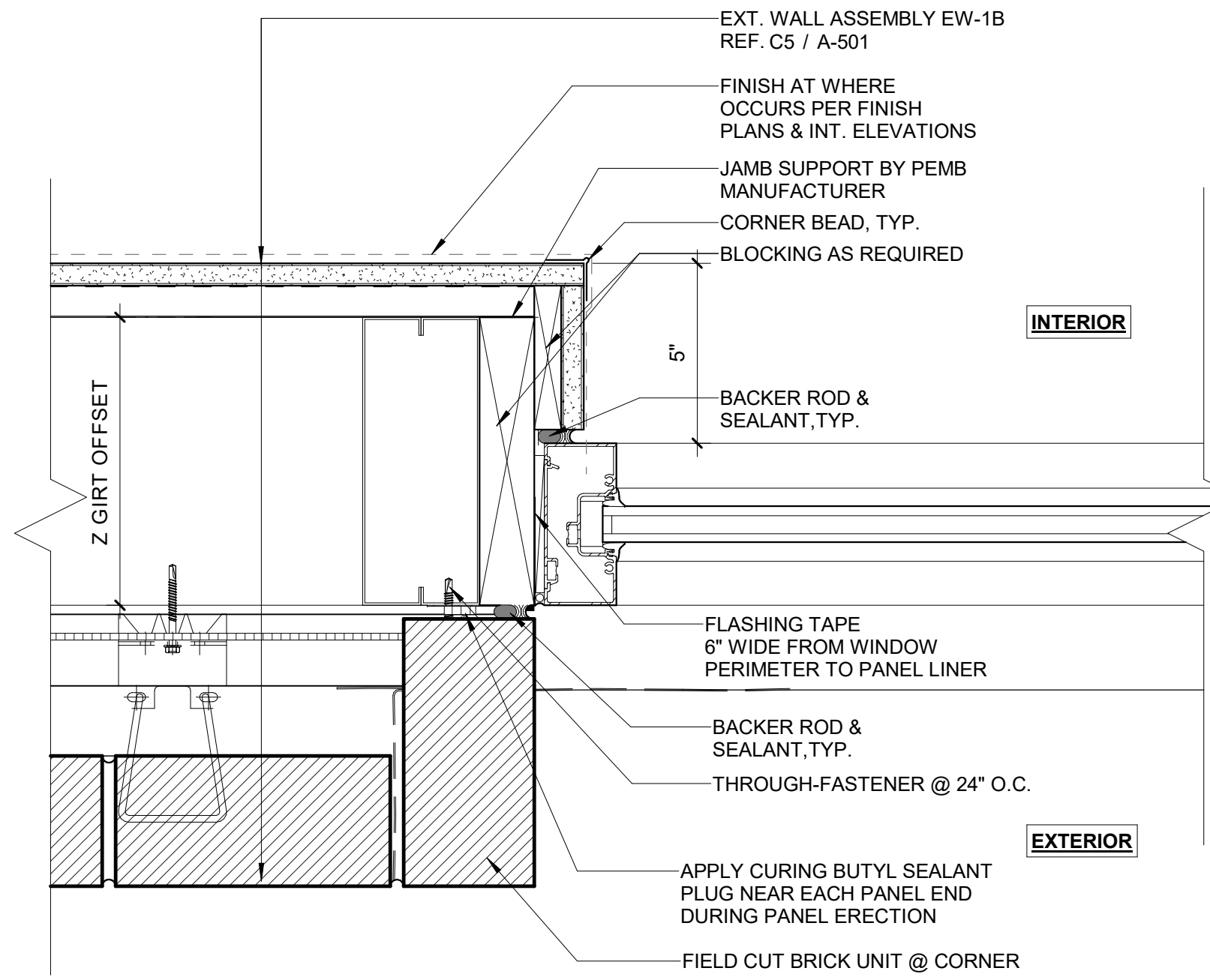
A

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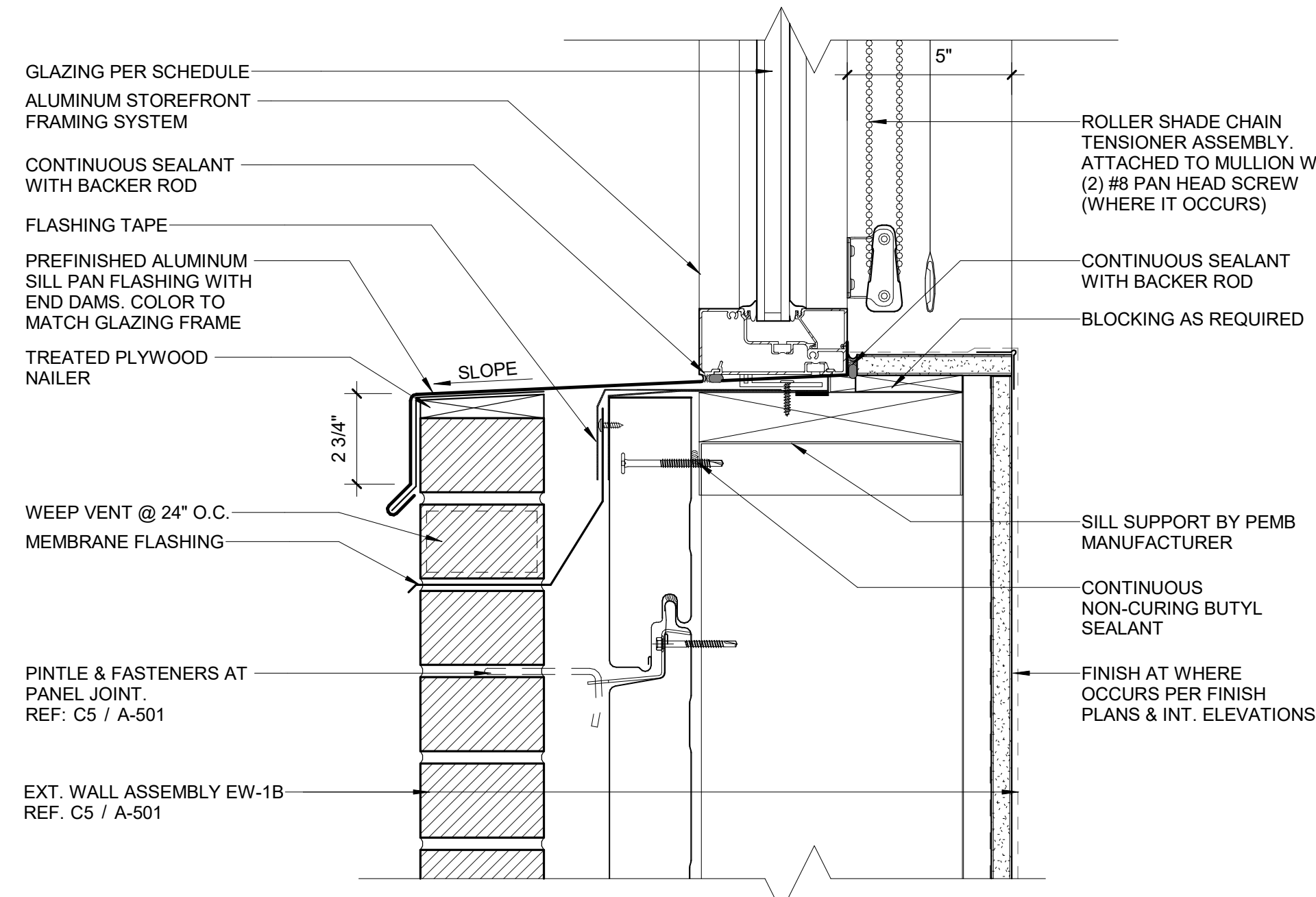
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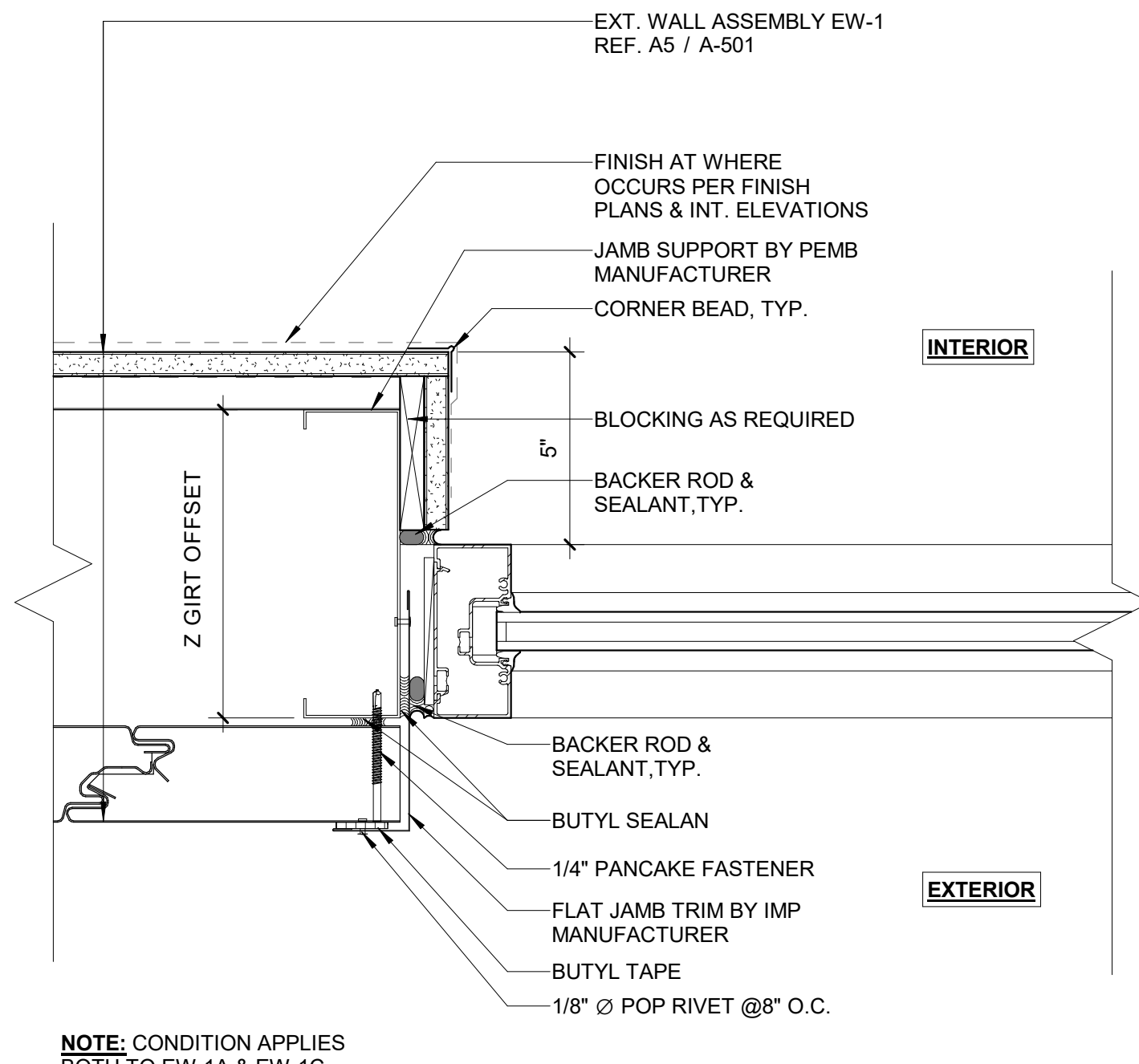
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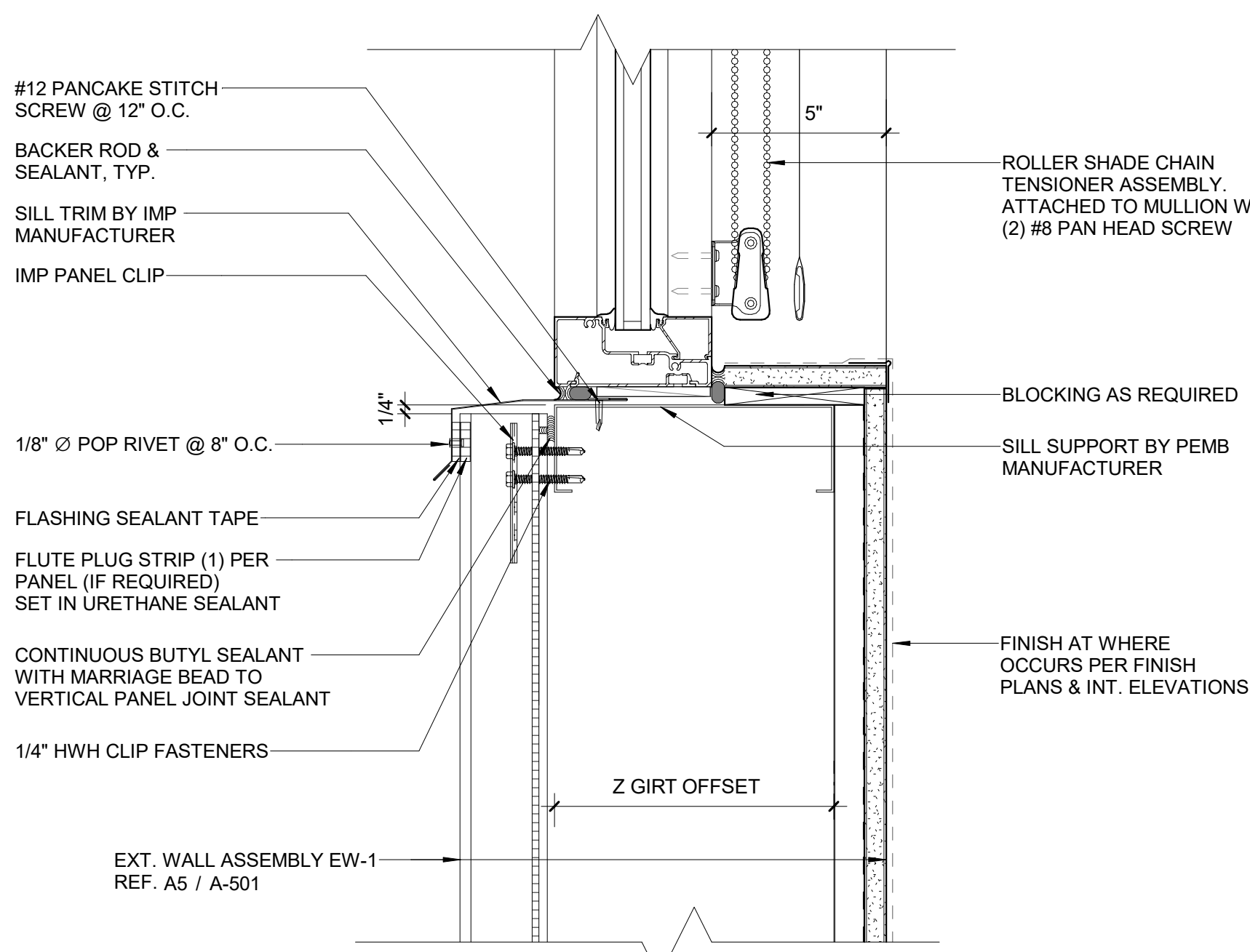
**A1** STOREFRONT JAMB DETAIL@EA-1B  
Scale: 3" = 1'-0"



**B1** STOREFRONT SILL DETAIL @ EW-1B  
Scale: 3" = 1'-0"



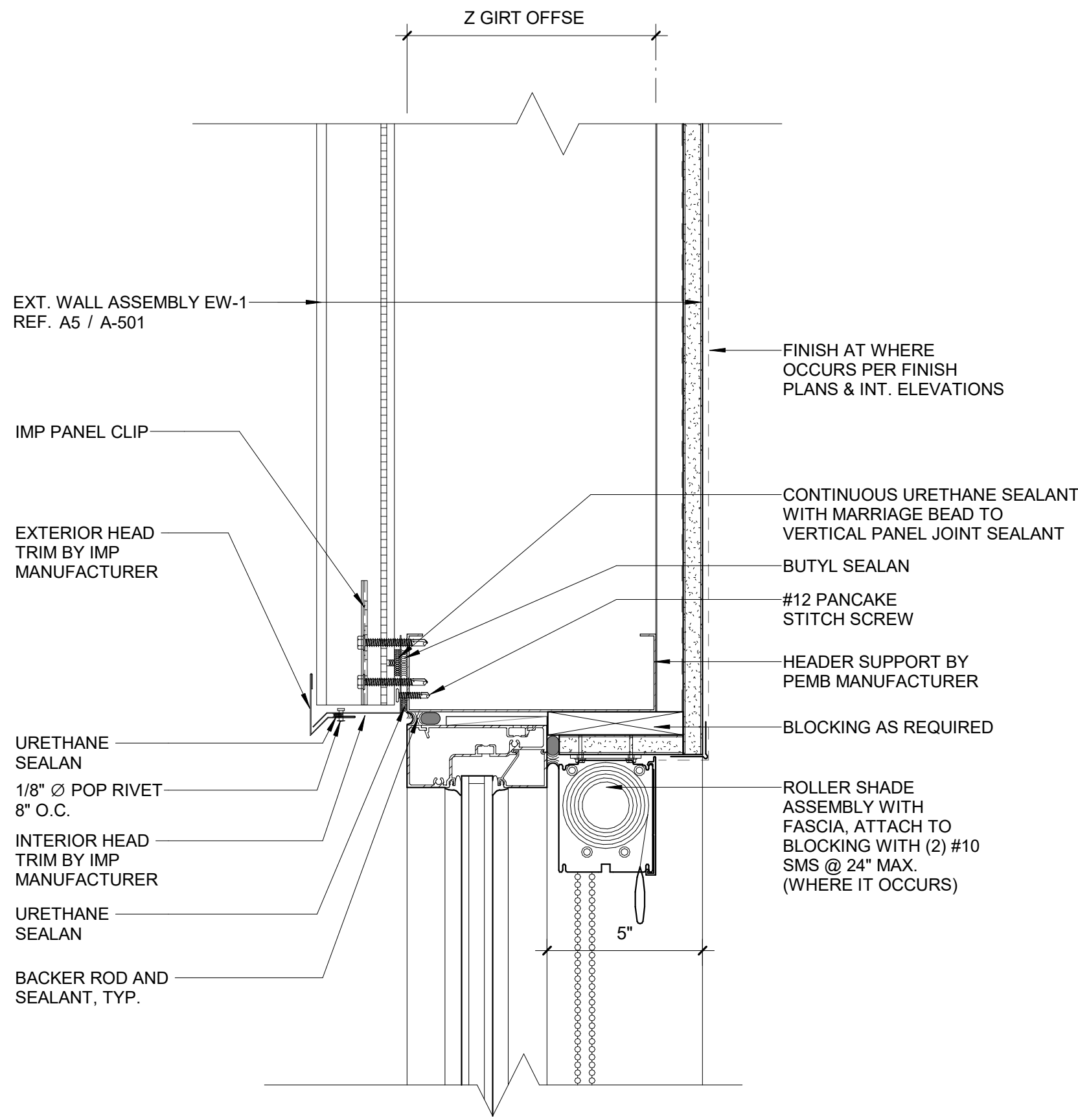
**A3** STOREFRONT JAMB DETAIL@EW-1  
Scale: 3" = 1'-0"



**B3** STOREFRONT SILL DETAIL @ EW-1  
Scale: 3" = 1'-0"

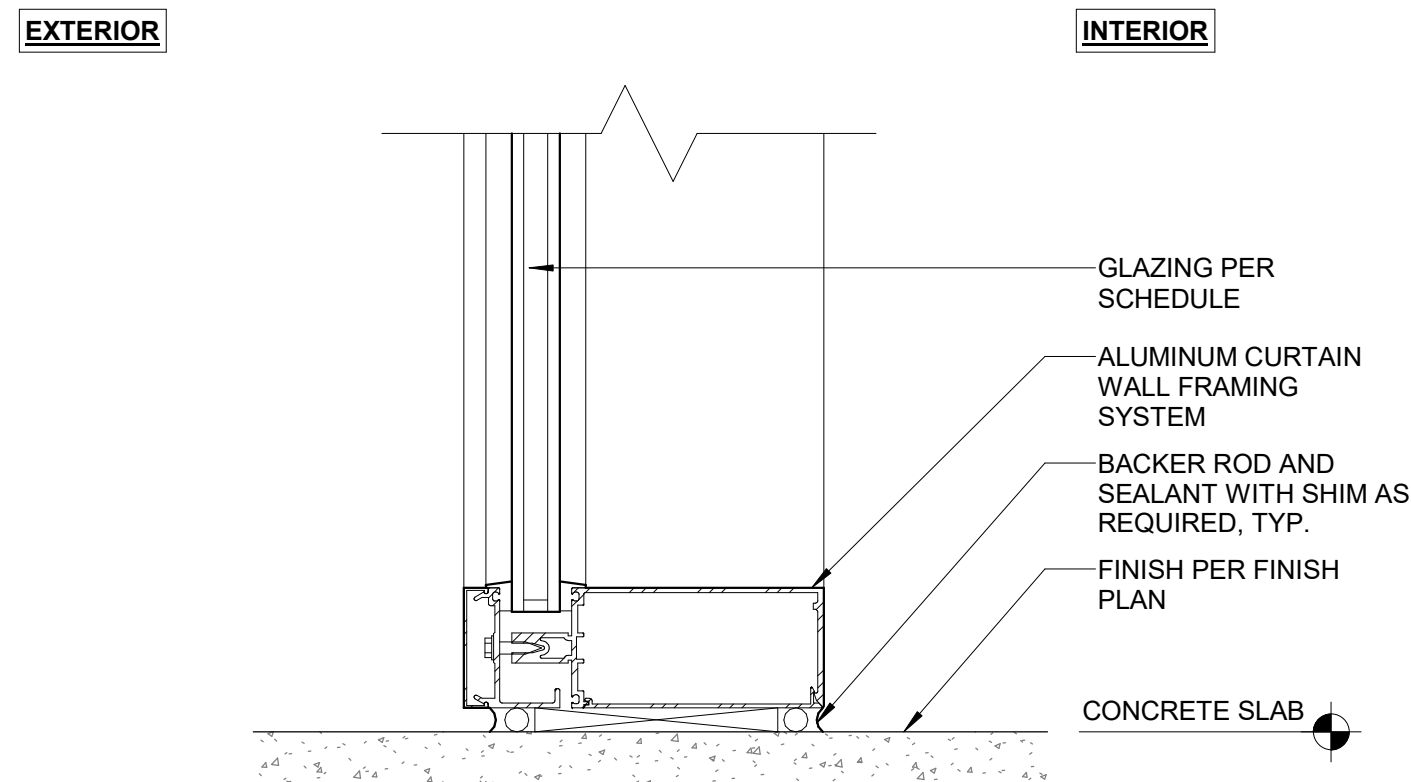
**NOTE:** CONDITION APPLIES BOTH TO EW-1A & EW-1C

**D3** STOREFRONT HEAD DETAIL @ EW-1  
Scale: 3" = 1'-0"



**D1** STOREFRONT HEAD DETAIL @ EW-1B  
Scale: 3" = 1'-0"

**A4** TYPICAL STOREFRONT SILL DETAIL @ GRADE  
Scale: 3" = 1'-0"



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1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
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CHECKED BY JQ  
DATE 10/29/2025

TITLE

EXTERIOR  
GLAZING DETAIL

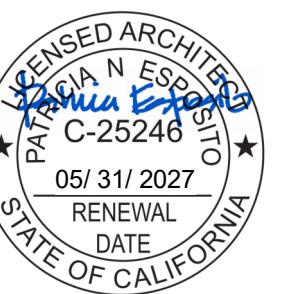
PROJECT NO. 50184767

A-612

SHEET NO.



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KEY PLAN

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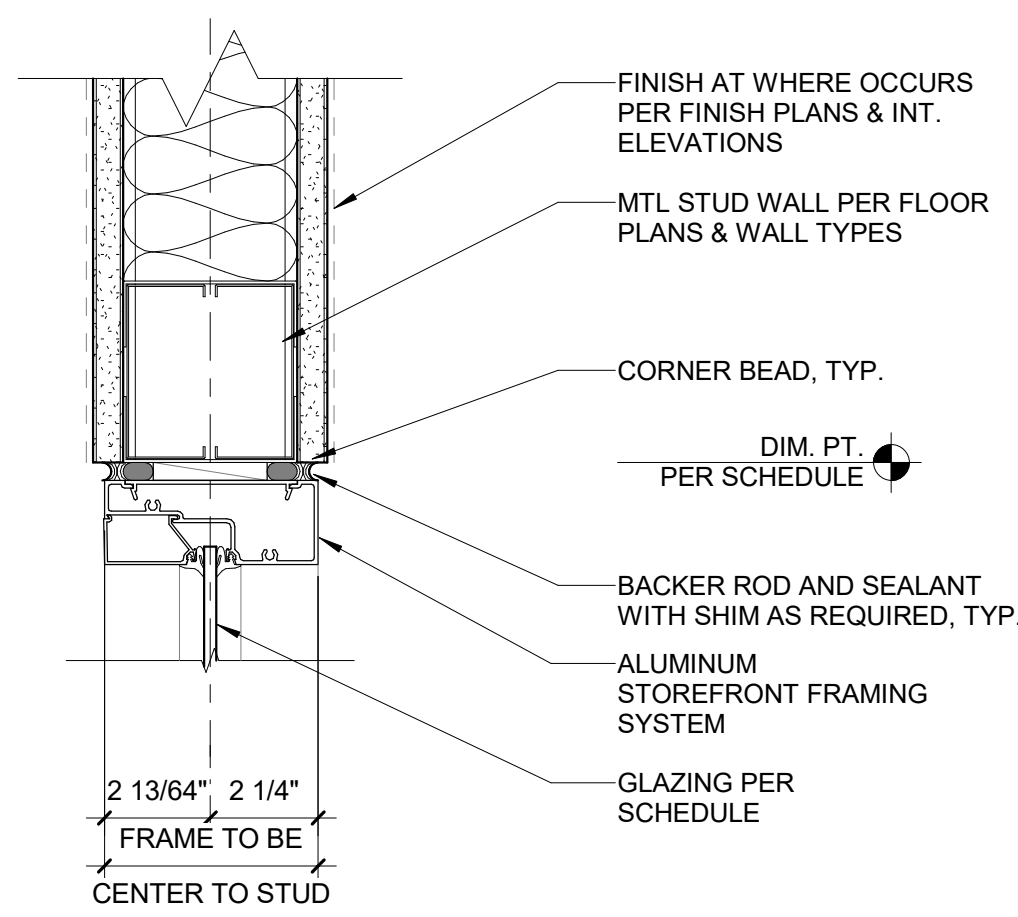
DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025  
TITLE

INTERIOR  
GLAZING DETAIL

PROJECT NO. 50184767

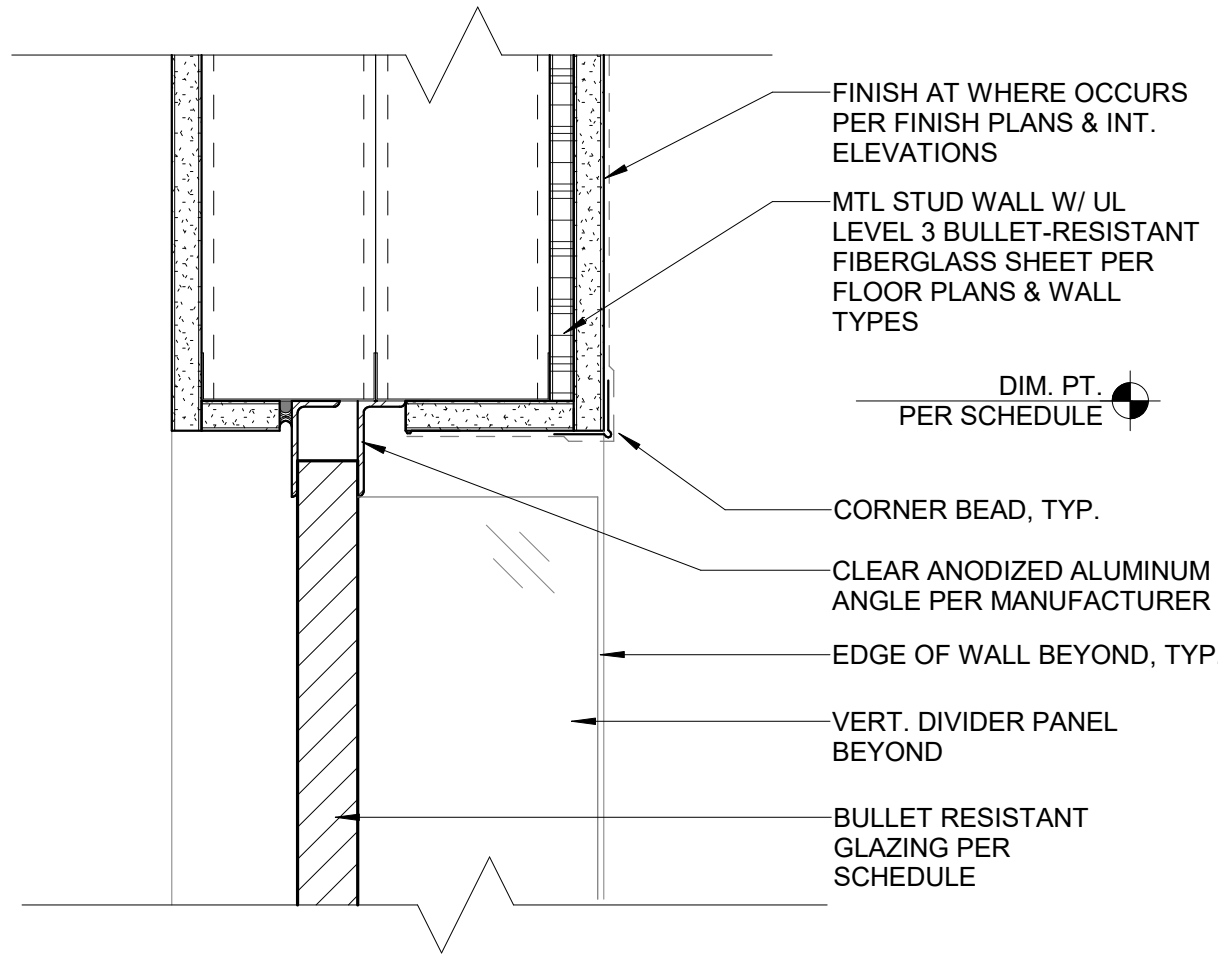
A-613

SHEET NO.



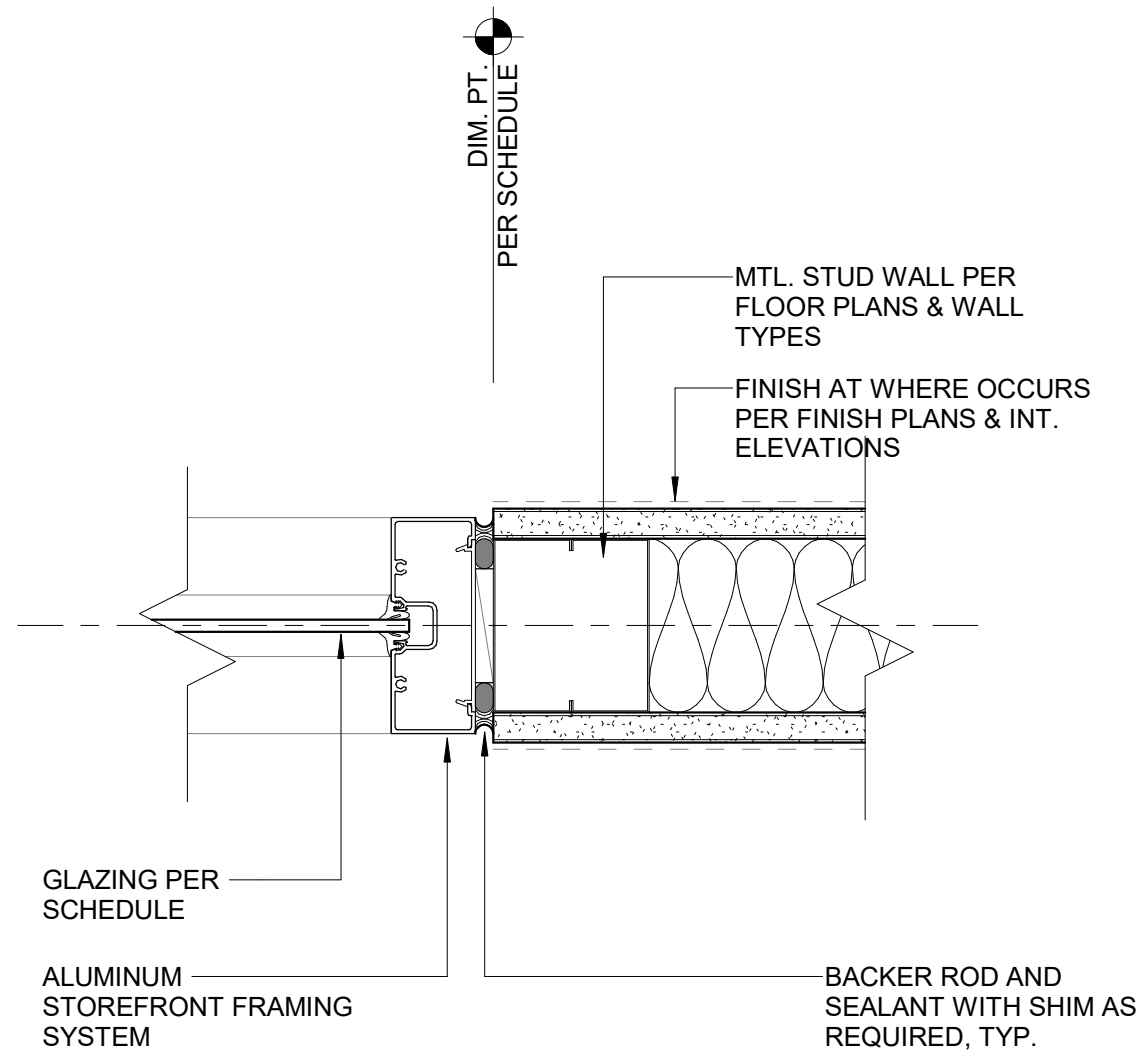
**INTERIOR STOREFRONT HEAD  
DETAIL @ MTL.STUD WALL**

Scale: 3" = 1'-0"



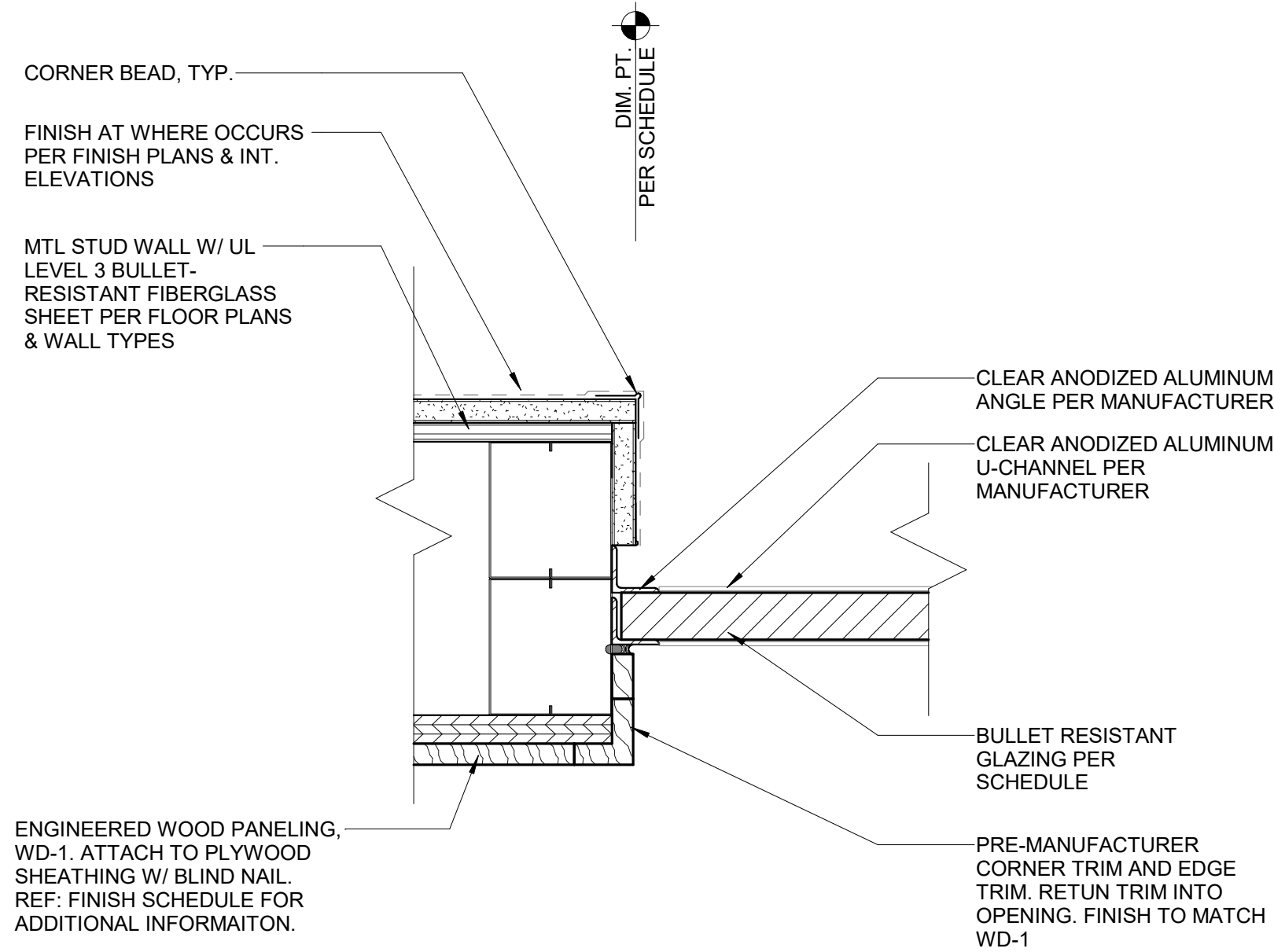
**BULLET RESISTANT WINDOW HEAD DETAIL**

Scale: 3" = 1'-0"



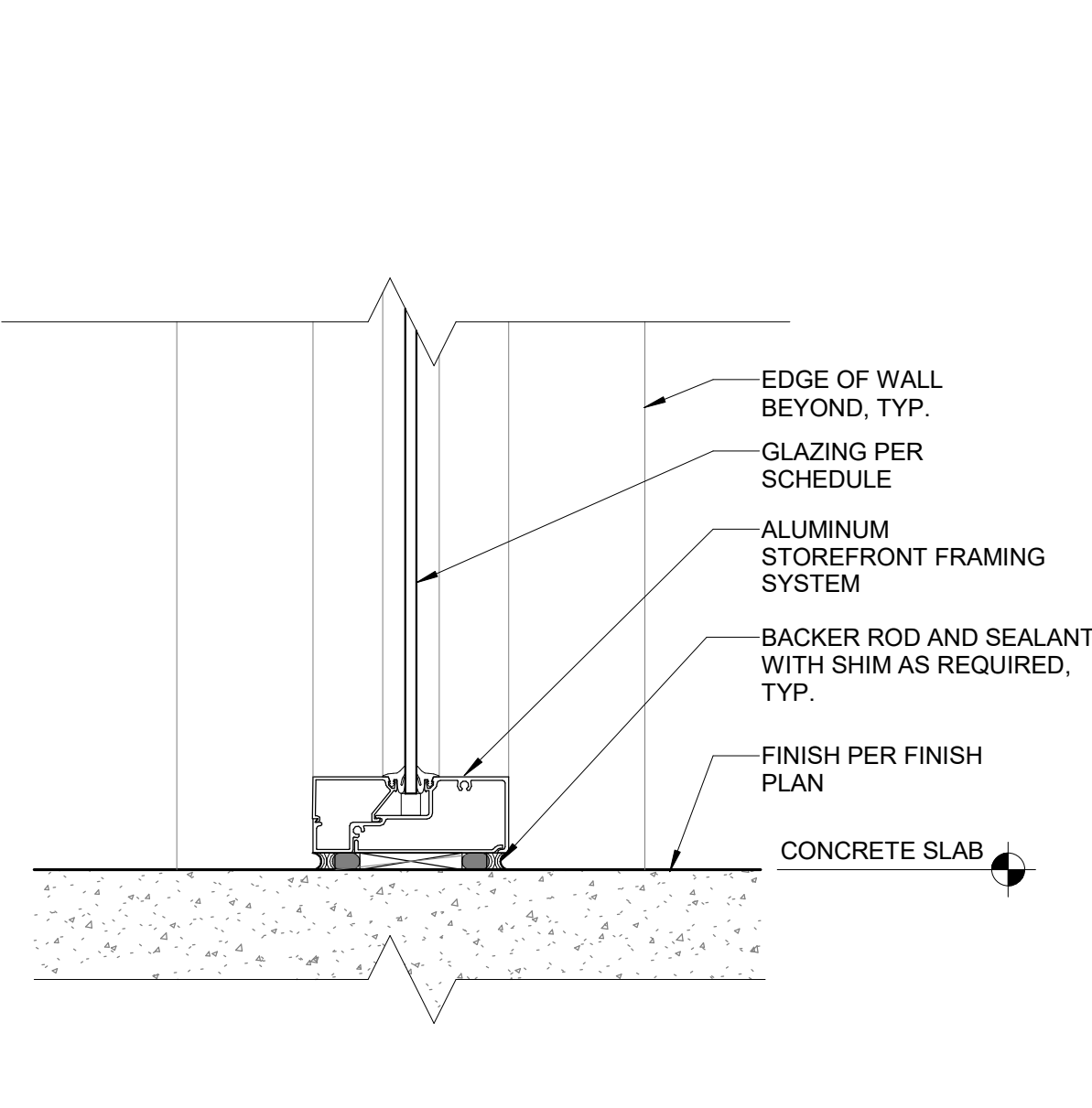
**INTERIOR STOREFRONT JAMB  
DETAIL @ MTL.STUD WALL**

Scale: 3" = 1'-0"



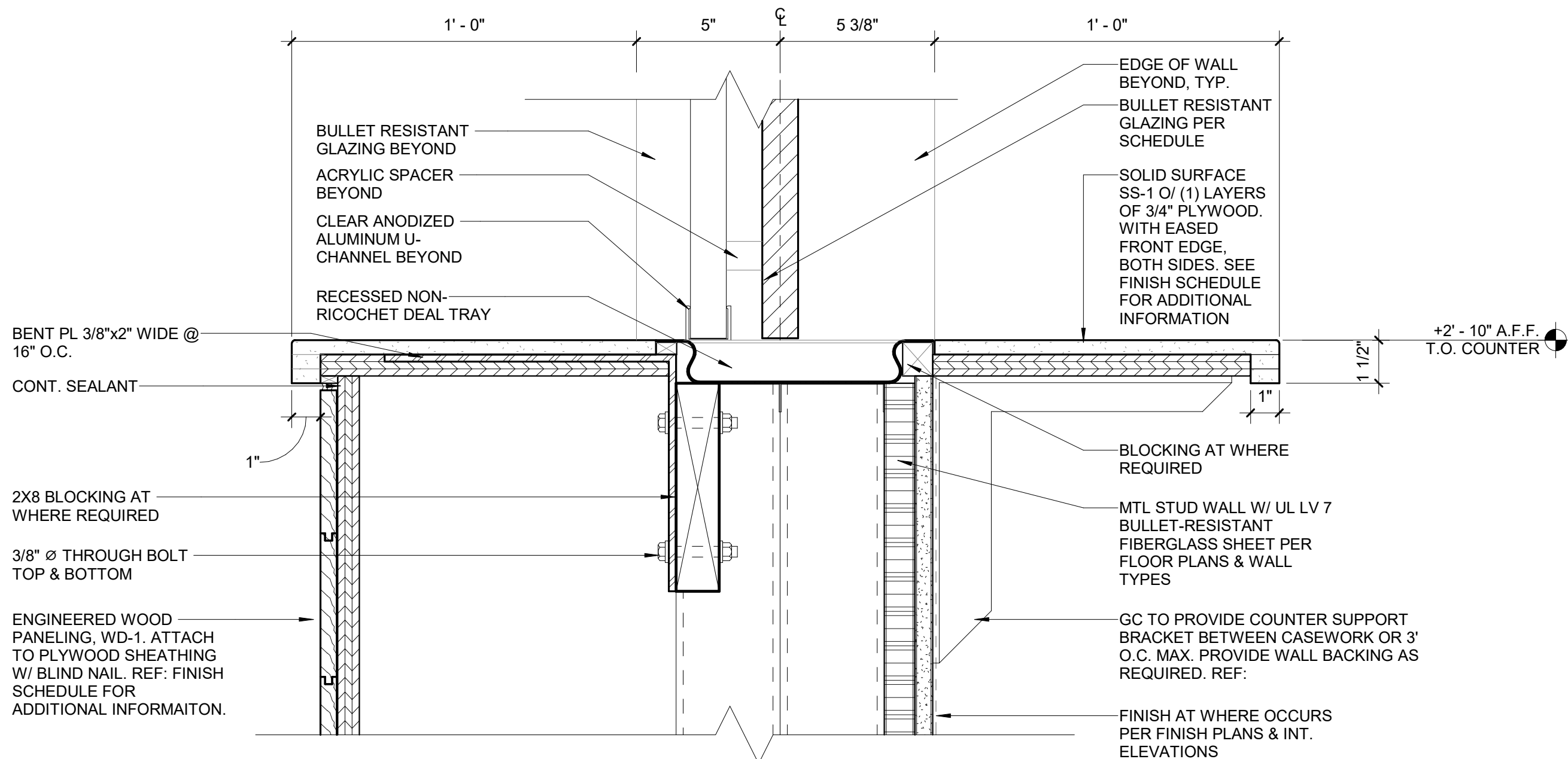
**BULLET RESISTANT WINDOW JAMB DETAIL**

Scale: 3" = 1'-0"



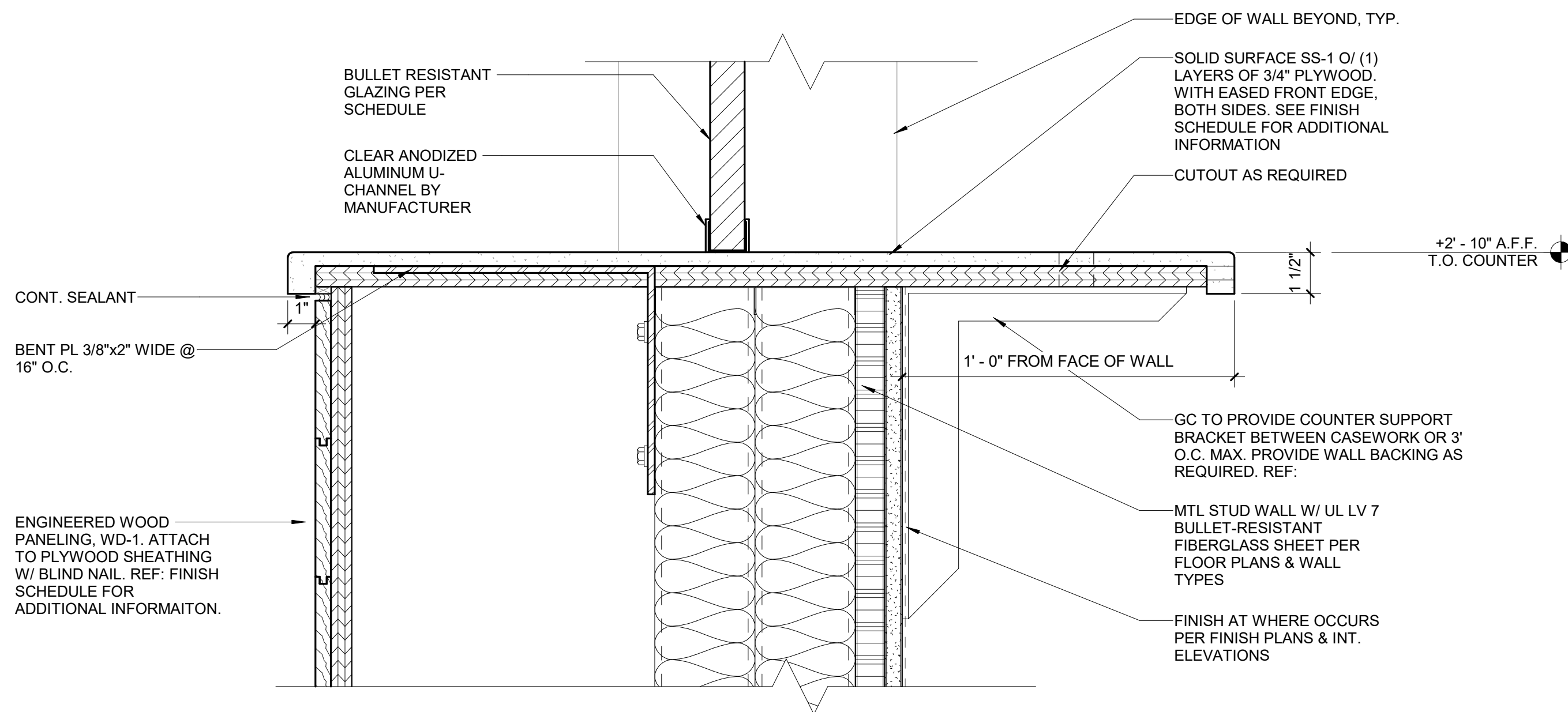
**INTERIOR STOREFRONT SILL  
DETAIL @ FLOOR LEVEL**

Scale: 3" = 1'-0"



**BULLET RESISTANT WINDOW SILL DETAIL**

Scale: 3" = 1'-0"



**BULLET RESISTANT WINDOW SILL DETAIL**

Scale: 3" = 1'-0"



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SPECIALITY EQUIPMENT SCHEDULE					
MARK	COUNT	MANUFACTURER	MODEL	RESPONSIBILITY	Description
SE-01	3	SPACESAVER	TBD	CFCI	EVIDENCE LOCKER -PASS-THROUGH
SE-02	1	SPACESAVER	TBD	CFCI	EVIDENCE LOCKER -PASS-THROUGH WITH REFRIGERATED LOCKERS
SE-03	2	SENTINEL	ERF82-12-NPT	OFOI	EVIDENCE REFRIGERATOR
SE-04	12	SPACESAVER	TBD	CFCI	PERSONAL STORAGE LOCKERS I SIZE : 24 x 24 x 84 - SLOPE TOP I SINGLE DOOR
SE-05	8	SPACESAVER	SPACESAVER DAY USE LOCKER	CFCI	DAY USE LOCKER   2 TIER   12X18
SE-07	1	TBD	TBD	OFCI	DRYING CABINET
SE-08	1	EXISTING	EXISTING	OFCI	EXISTING FUMING CHAMBER TO BE REINSTALLED
SE-09	1	EXISTING	EXISTING	OFCI	EXISTING DOWNFLOW WORKSTATION TO BE REINSTALLED
SE-10	1	EXISTING	EXISTING	OFCI	EXISTING UVBOX BENCH TOP DECONTAMINATION CHAMBERS TO BE REINSTALLED
SE-11	1	TEEL TECHNOLOGIES	MISSION DARKNESS BLOCKER LOCKER 7	OFCI	CELLPHONE LOCKERS WITH CHARGERS
SE-12	16	ULINE	H-2883	OFOI	87"HHEIGHT 18" DEEP 5 TIER SHELVING   WIDTH :36"
SE-13	2	ULINE	H2885	OFOI	87"HHEIGHT 18" DEEP 5 TIER SHELVING   WIDTH : 48"
SE-14	1	SPACESAVER	TBD	OFOI	84"H RIFFLE STORAGE CABINET WITH BACK PANEL
SE-15	1	SPACESAVER	TBD	OFOI	84"H PISTOL STORAGE CABINET WITH BACK PANEL
SE-16	1	SPACESAVER	TBD	OFOI	84"H PISTOL STORAGE CABINET WITH BACK PANEL
SE-17	2	SALSBUURY INDUSTRIES	77781-ADA	CFCI	ADA SEATING BENCH - LIGHT FINISH
SE-18	2	TBD	TBD	CFCI	LOCKER ROOM BENCH
SE-19	1	SAFCO	SC6041G - POWDER COAT PAINT WHITE	OFOI	MAILFLOW SYSTEMS SORTER, CLOSED BACK; 60 SORTING POCKETS 15"D WITHOUT PLEXI DOORS
SE-20	1	TBD	TBD	OFOI	LIVE SCAN MACHINE
SE-21	1	SOUTHWEST SOLUTIONS GROUP	EDHGF	CFCI	6 COMPARTMNET PISTOL LOCKER I FLUSH MOUNT
SE-22	1	TBD	TBD	OFOI	SAFE
SE-23	1	BEVERAGE-AIR	HBRF49HC-1-A	CFCI	EVIDENCE REFRIGERATOR
SE-24	3	SPACESAVER	SPACESAVER DAY USE LOCKER	CFCI	DAY USE LOCKER   2 TIER   12X18

KITCHEN EQUIPMENT SCHEDULE					
MARK	COUNT	MANUFACTURER	MODEL	RESPONSIBILITY	Description
KE-01	1	BEVERAGE-AIR	HBRF49HC-1-A	OFOI	DUAL TEMPERATURE REFRIGERATOR/ FREEZER
KE-02	1	KITCHENAID	KRSF705HPS	OFOI	ADA COMPLIANT SIDE-BY-SIDE FRENCH DOOR REFRIGERATRO WITH ICE MAKER
KE-03	1	KITCHENAID	KMBD104GSS	OFOI	24" UNDER-COUNTER MICROWAVE OVEN DRAWER
KE-04	1	KITCHENAID	KDTF324PPS	CFCI	ADA COMPLIANT DISHWASHER
KE-05	1	KITCHENAID	KYW8400DSS	CFCI	30" WALL-MOUNT CANOPY HOOD
KE-06	1	SUMMIT	AL550SCSS	OFOI	UNDERCOUNTER REFRIGERATOR,MAX HEIGHT 32"
KE-07	2	BUNN	AXION-DV-APS	OFOI	COFFEE BREWER WITH WATER FILTER AND SERVER
KE-08	2	KITCHENAID	KMCC5015GSS	OFOI	COUNTERTOP CONVECTION MICROWAVE OVEN
KE-09	1	KITCHENAID	KSGG700ESS	CFCI	ADA COMPLIANT SLIDE-IN GAS RANGE

\* KITCHEN EQUIPMENT ARE SHOWN AS BASIS OF DESIGN OR PROVIDE EQUAL.

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REVISIONS

NO.	DESCRIPTION	DATE

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APPROVED BY \_\_\_\_\_ PE  
CHECKED BY \_\_\_\_\_ JQ  
DATE \_\_\_\_\_ 10/29/2025

TITLE

EQUIPMENT  
SCHEDULE

PROJECT NO. \_\_\_\_\_ 50184767

A-620

SHEET NO.



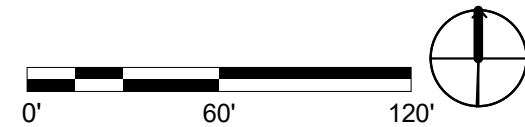
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916.239.7244

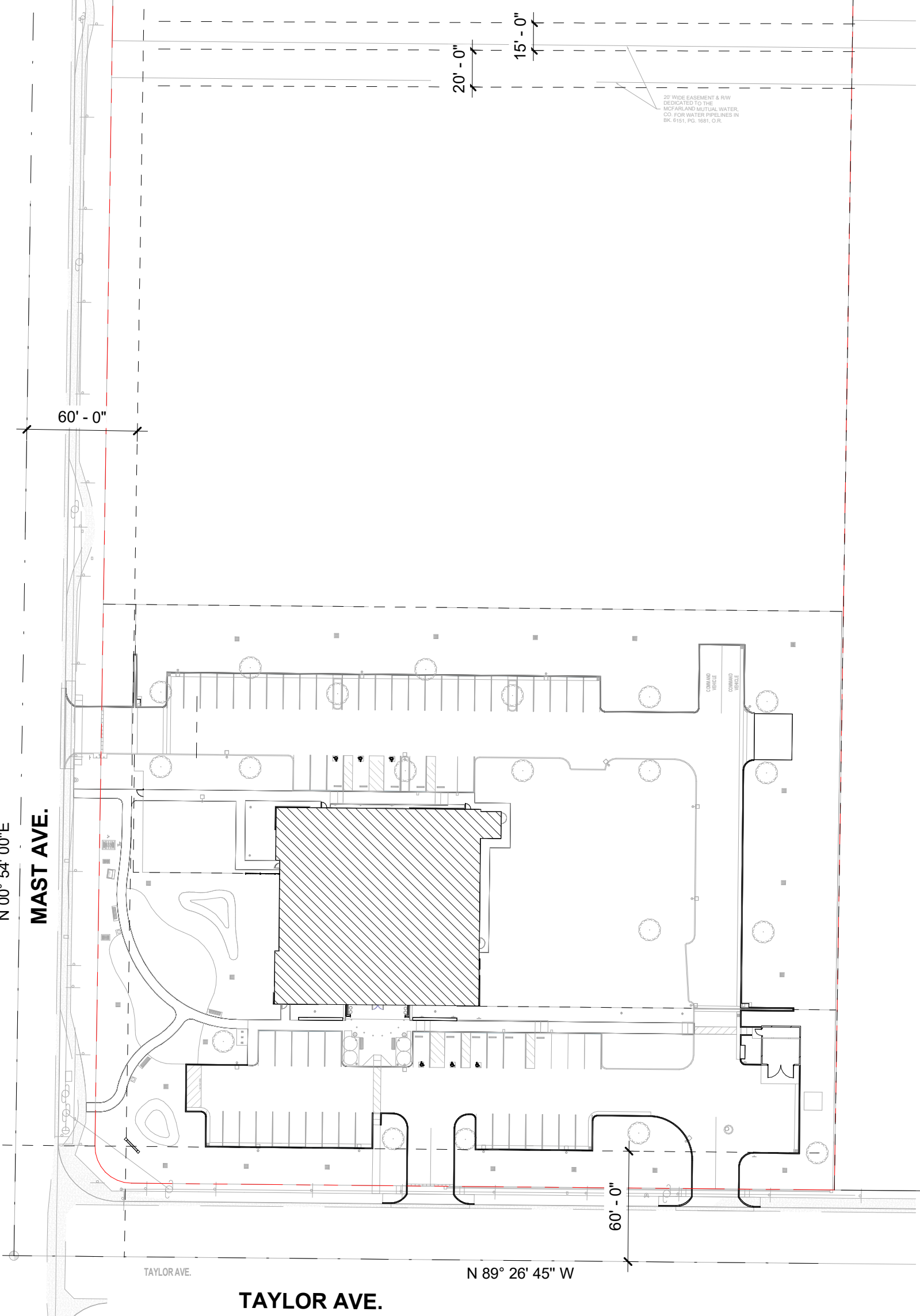


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**A1 PLOT PLAN - ALTERNATE BID**  
Scale: 1" = 60'-0"

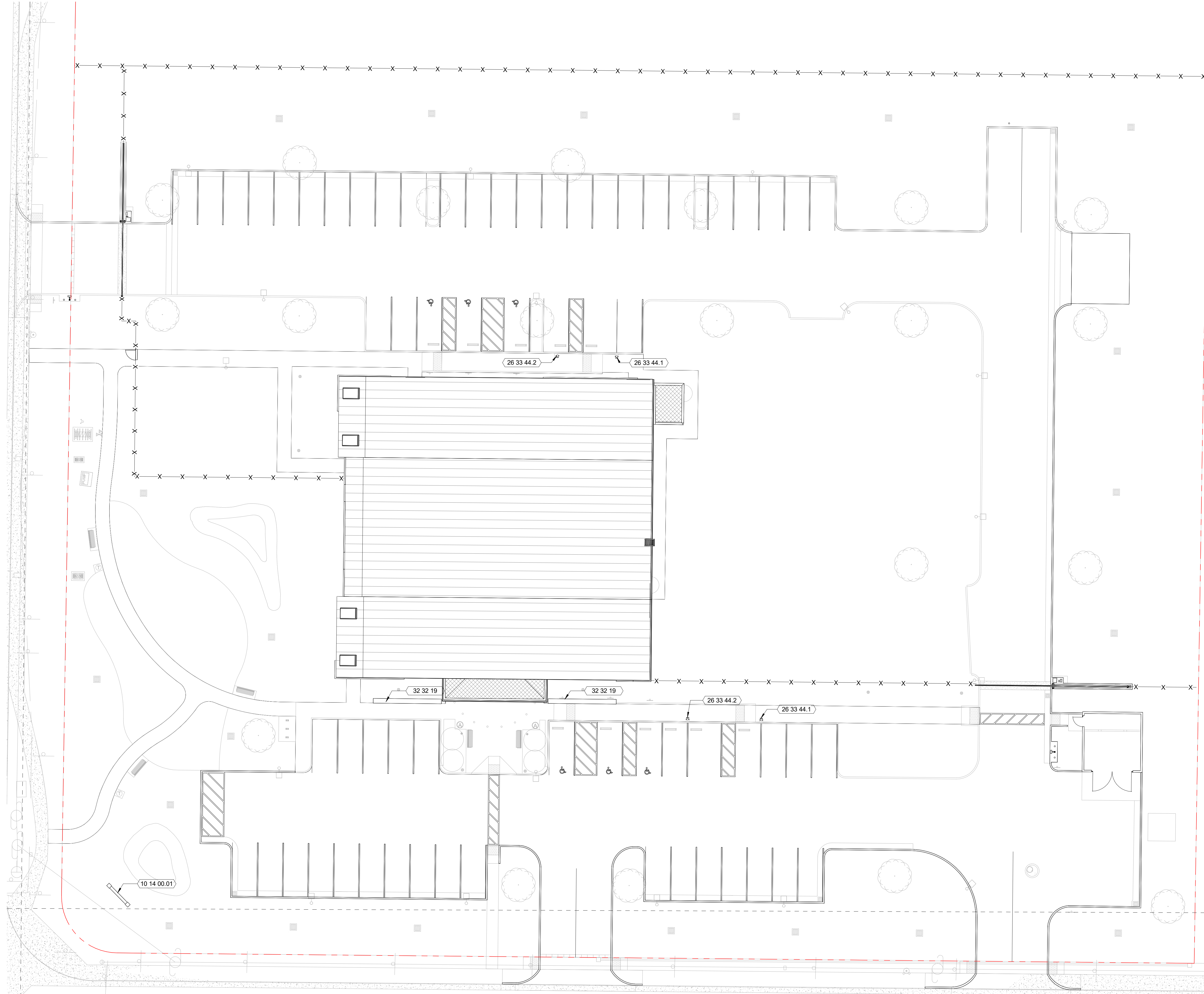


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**A2 PROPOSED SITE PLAN\_ALT BID**  
Scale: 1/16" = 1'-0"

\* NOTE: PLAN IS ORIENTED TO TRUE NORTH. REFER TO PLOT PLAN FOR SURVEY COORDINATES



KEYNOTES PER SHEET	
NOTE	DESCRIPTION
10 14 00.01	EXTERIOR MONUMENT SIGN. REFER TO LANDSCAPE
26 33 44.1	EV CHARGING STATION, SINGLE PORT. REFER TO ELECTRICAL
26 33 44.2	EV CHARGING STATION, DOUBLE PORT. REFER TO ELECTRICAL
32 32 19	UNIT MASONRY LOW SEAT WALLS WITH CONCRETE CAP. REFER TO LANDSCAPE

ZONING REQUIREMENT & PARKING COUNT	
<b>ZONE: A-1</b> (CITY, COUNTY, STATE AND FEDERAL ENTERPRISE MAY BE PERMITTED IN ANY ZONE UPON THE GRANTING OF A CONDITIONAL USE PERMIT PER MC FARMLAND MUNICIPAL CODE 17.152.020)	
<b>SETBACK:</b> 60' FROM ST CL FOR A-1 ZONE	
<b>STANDARD PARKING</b> 84 STALLS PROVIDED (REQUIRED 63) PUBLIC 31 SECURITY 33	<b>BIKE RACKS</b> 3 PROVIDED (REQUIRED 3)
<b>ACCESSIBLE PARKING</b> 6 ADA STALLS PROVIDED (REQUIRED 3) PUBLIC 2 (ADA) + 1 (ADA VAN) SECURITY 2 (ADA) + 1 (ADA VAN)	<b>COMMAND VEHICLE</b> 2 STALLS PROVIDED
<b>EV PARKING</b> 8 EV STALLS PROVIDED (REQUIRED 3) EV REGULAR 2 EV ADA 2 EV ADA VAN 2	<b>SERVICE CAR GARAGE</b> 2 STALLS PROVIDED (FUTURE SCOPE)
<b>EV CAPABLE STALLS</b> 17 STALLS PROVIDED (REQUIRED 13)	

SITE PLAN LEGEND	
---	ACCESSIBLE PATH OF TRAVEL
ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED @ 1:2 MAXIMUM SLOPE. EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE, SURFACE IS SLIP RESISTANT, STABLE, FIRE AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOP IN DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (P.O.T.) SHALL MAINTAIN FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4); AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM ALL AND ABOVE 27" AND LESS THAN 80" (11B-204, 11B-307).	
---	PROPERTY LINE
---	LINE OF REQUIRED SETBACK
---	RIGHT OF WAY CENTER LINE
---	ACCESSIBLE BUILDING ENTRY
---	EXISTING FIRE HYDRANT
---	FENCE LINE



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1760 Creekside Oaks Dr #280  
Sacramento CA 95833  
916.239.7244

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025

TITLE

**PROPOSED SITE PLAN -  
ALTERNATE BID**

PROJECT NO. 50184767

**AB-100**

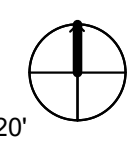
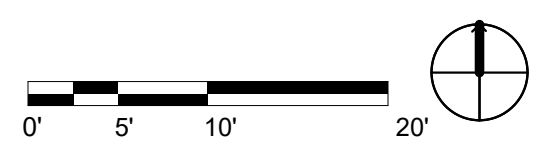
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**A1** FIRST FLOOR OVERALL PLAN - BID ALTERNATE A

Scale: 3/32" = 1'-0"



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TITLE

**FIRST FLOOR  
OVERALL PLAN -  
ALTERNATE BID**

PROJECT NO. 50184767

**AB-110**

SHEET NO.



10/29/2025 2:12:09 PM

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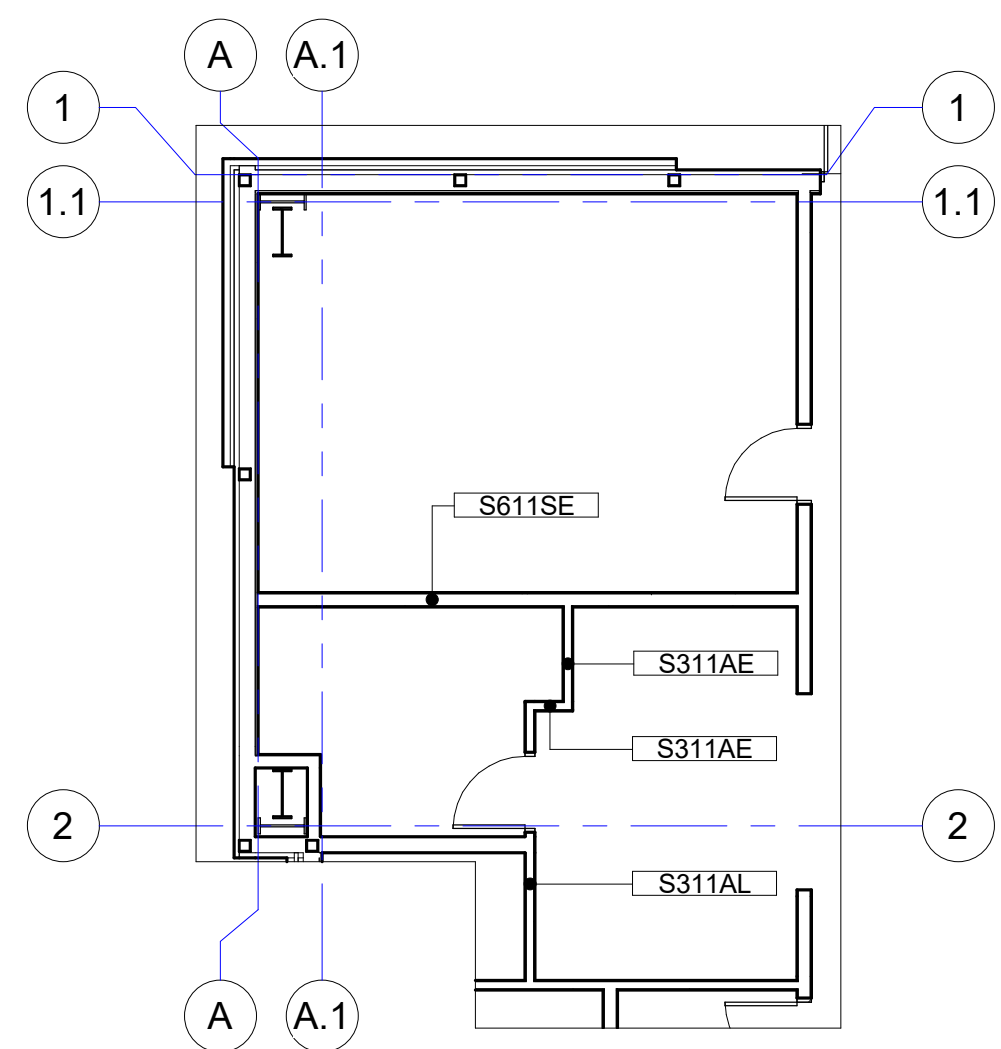
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**A1**

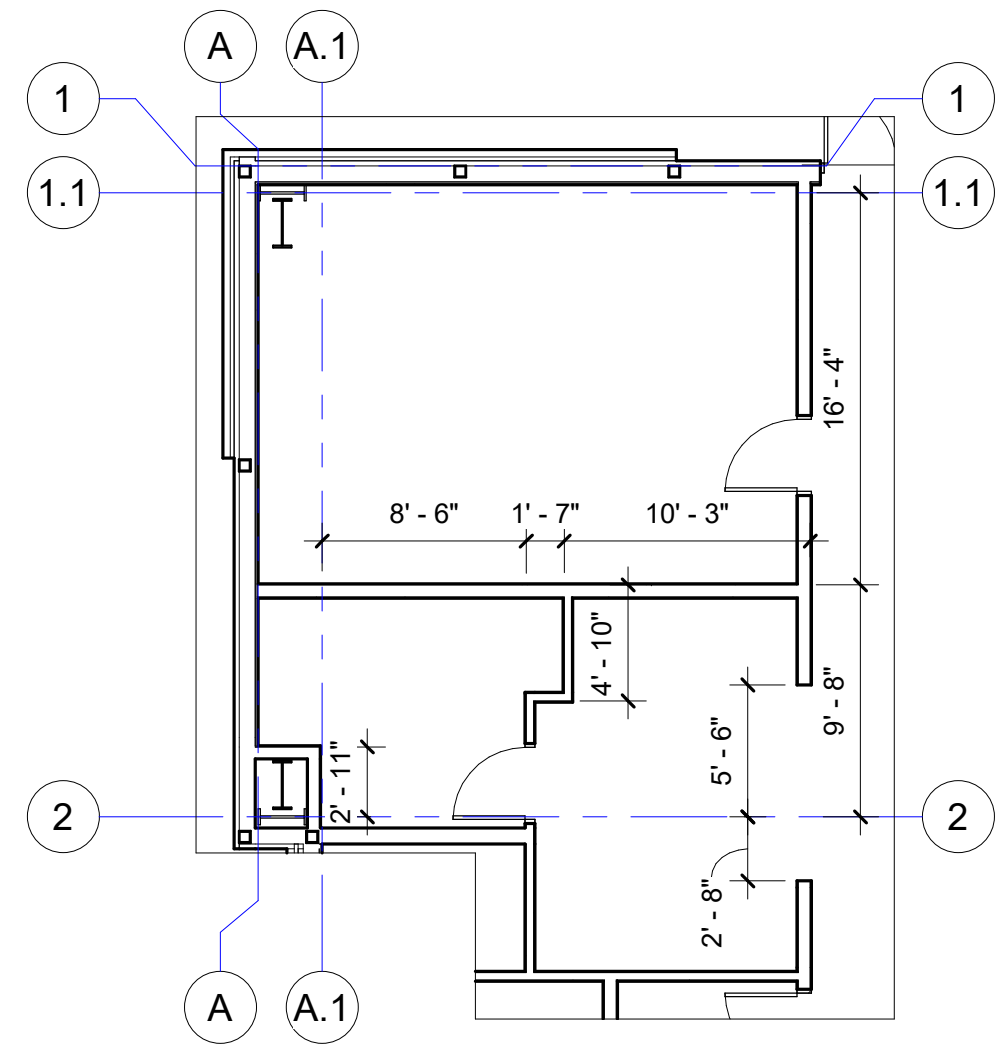
INTERIOR PARTITION TYPE PLAN -  
BID ALTERNATE A

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



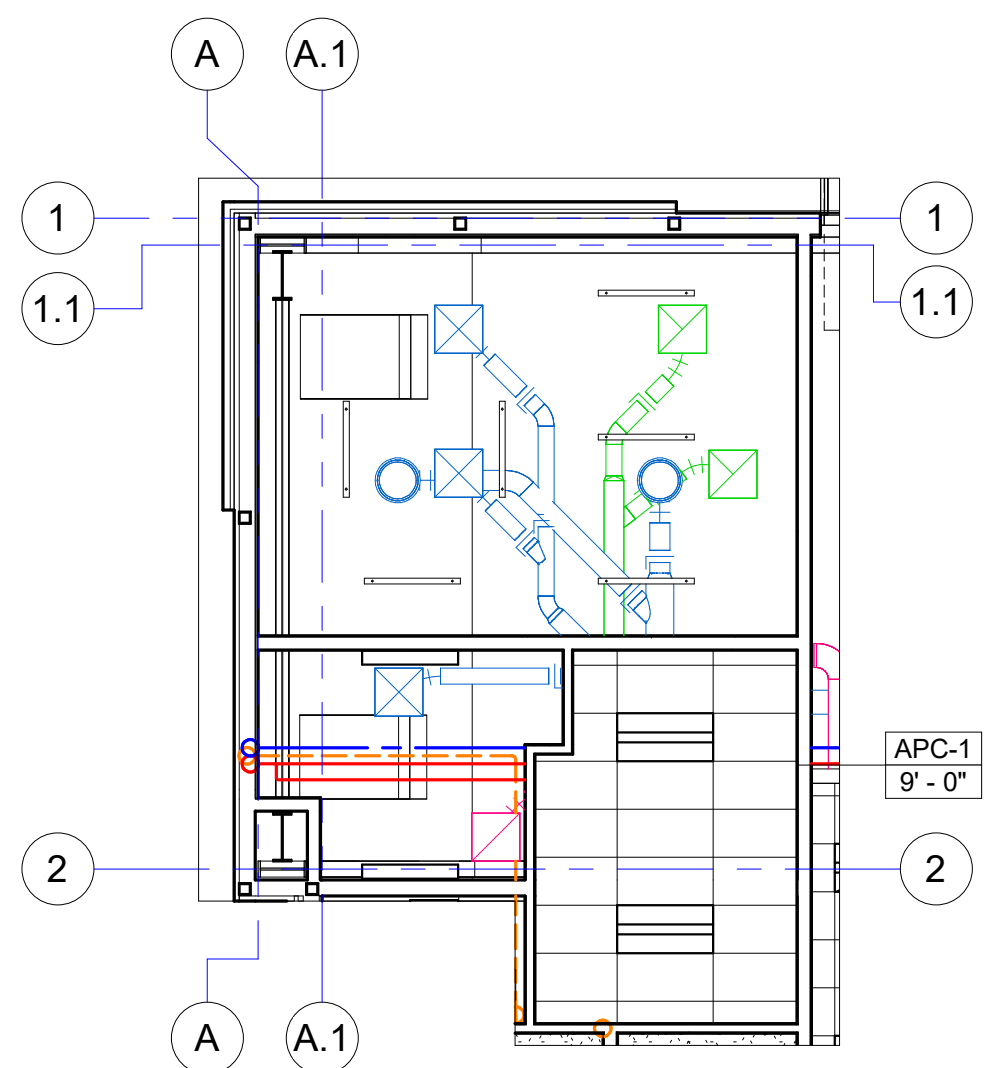
**B1** DIMENSION PLAN - BID ALTERNATE A

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



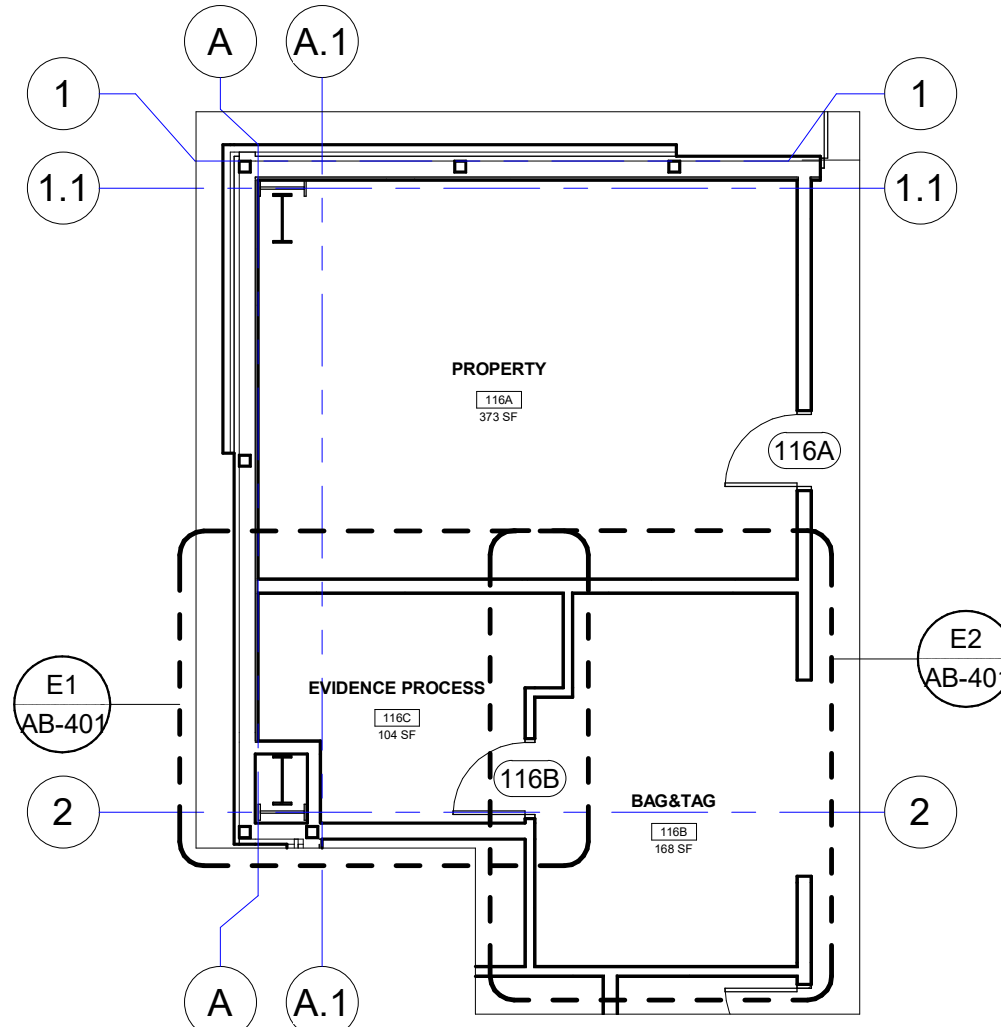
**D1** REFLECTED CEILING PLAN -  
BID ALTERNATE A

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



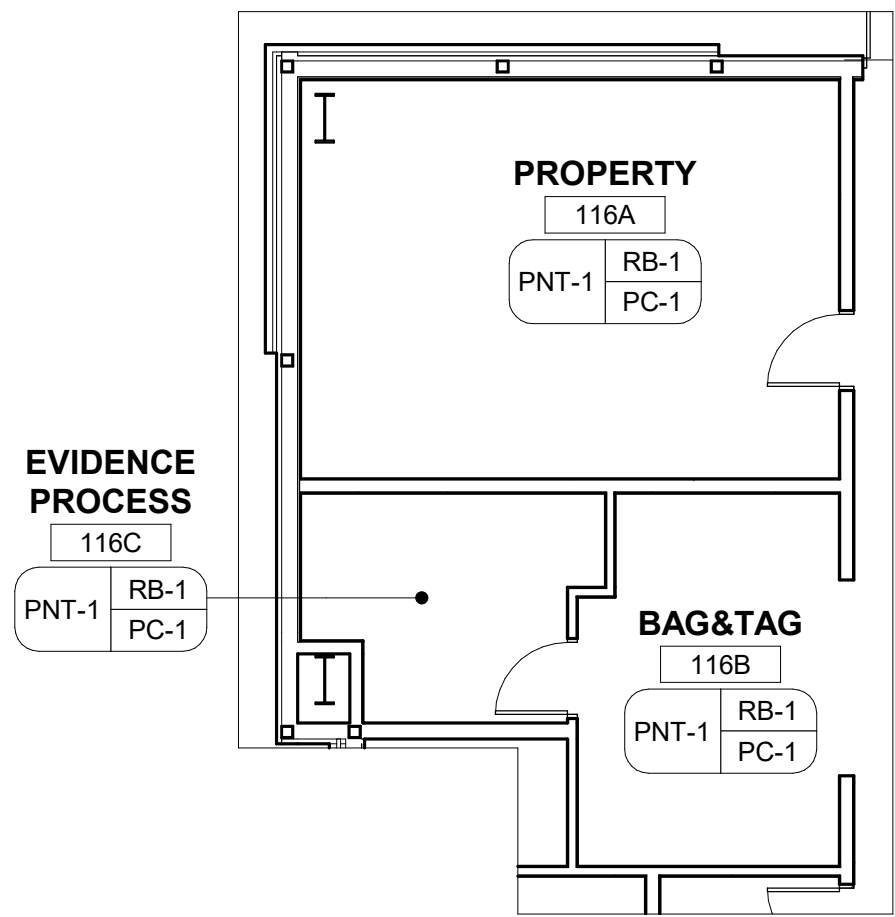
**E1** ANNOTATION PLAN -  
BID ALTERNATE A

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



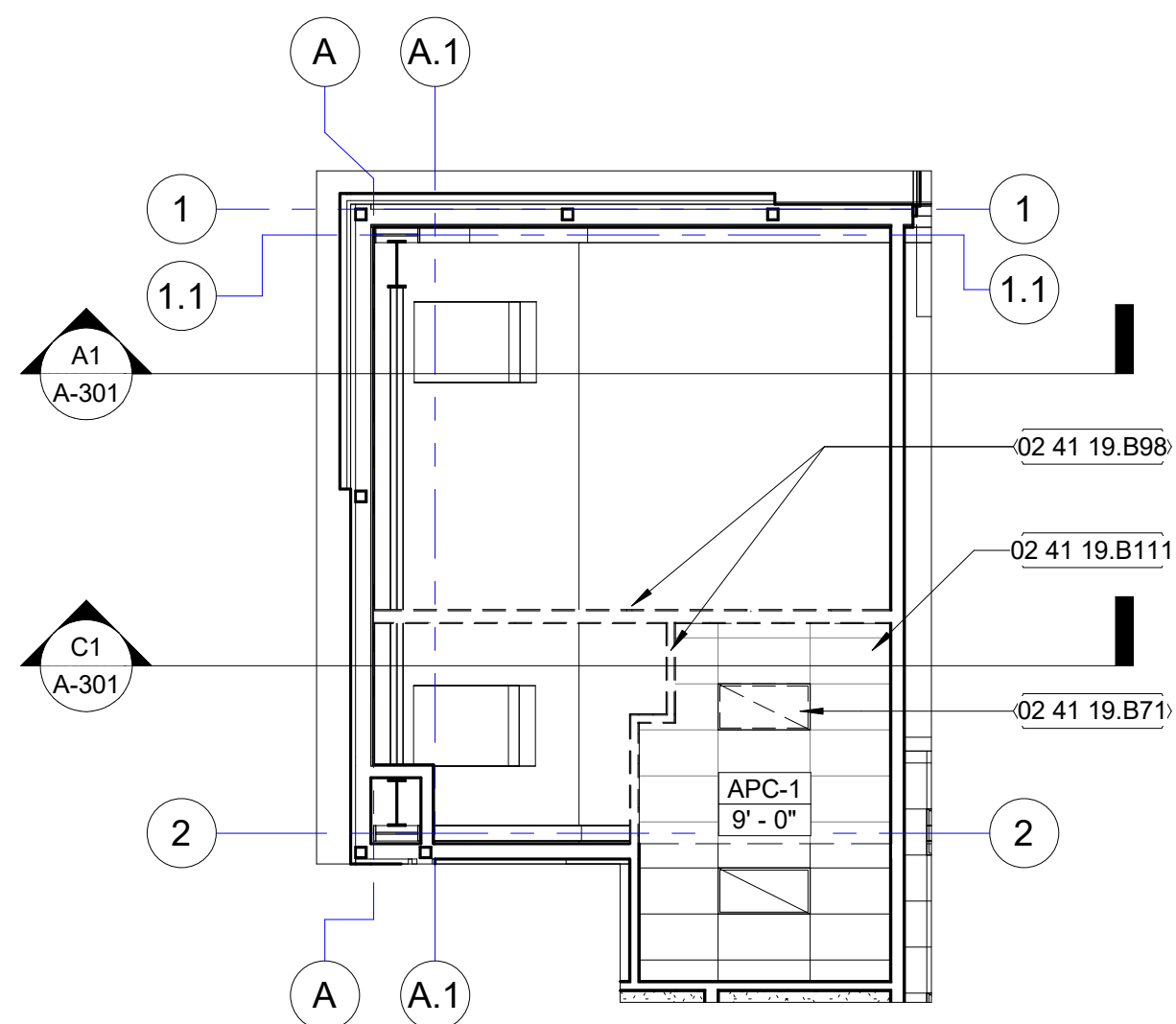
**B2** FINISH PLAN - BID ALTERNATE A

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



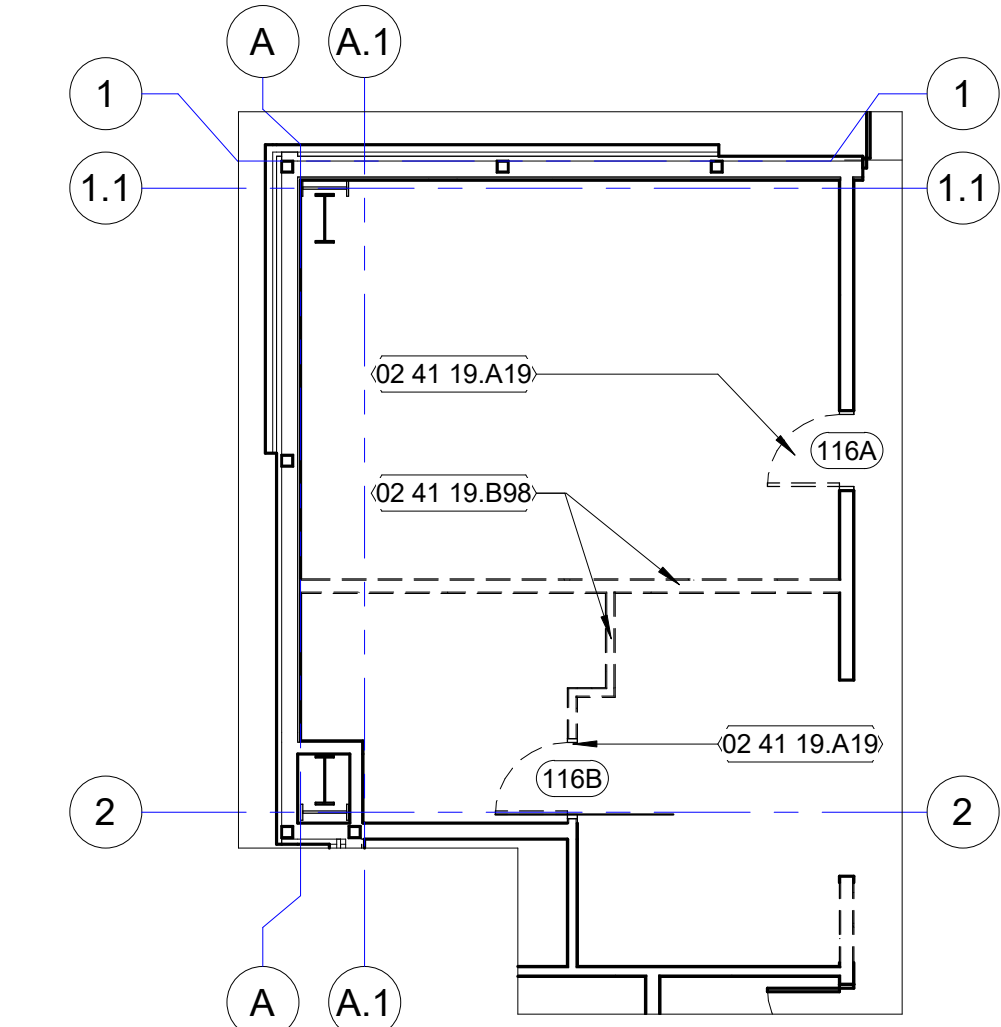
**D2** DEMOLISH CEILING PLAN -  
BID ALTERNATE A

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



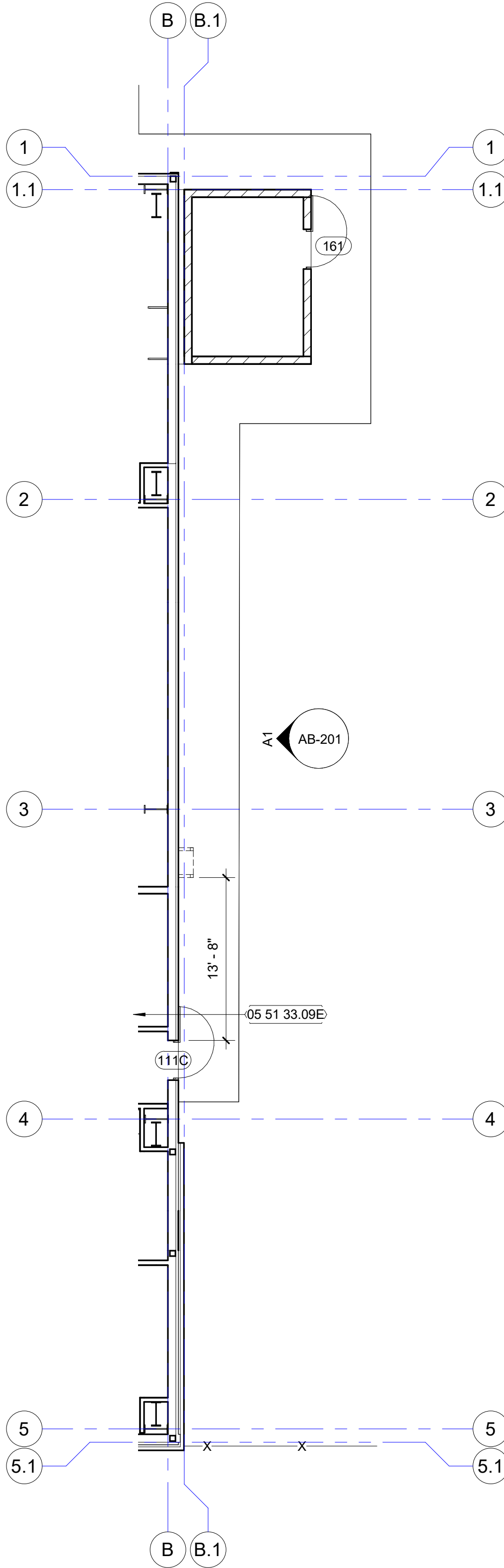
**E2** DEMOLISH PLAN - BID ALTERNATE A

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



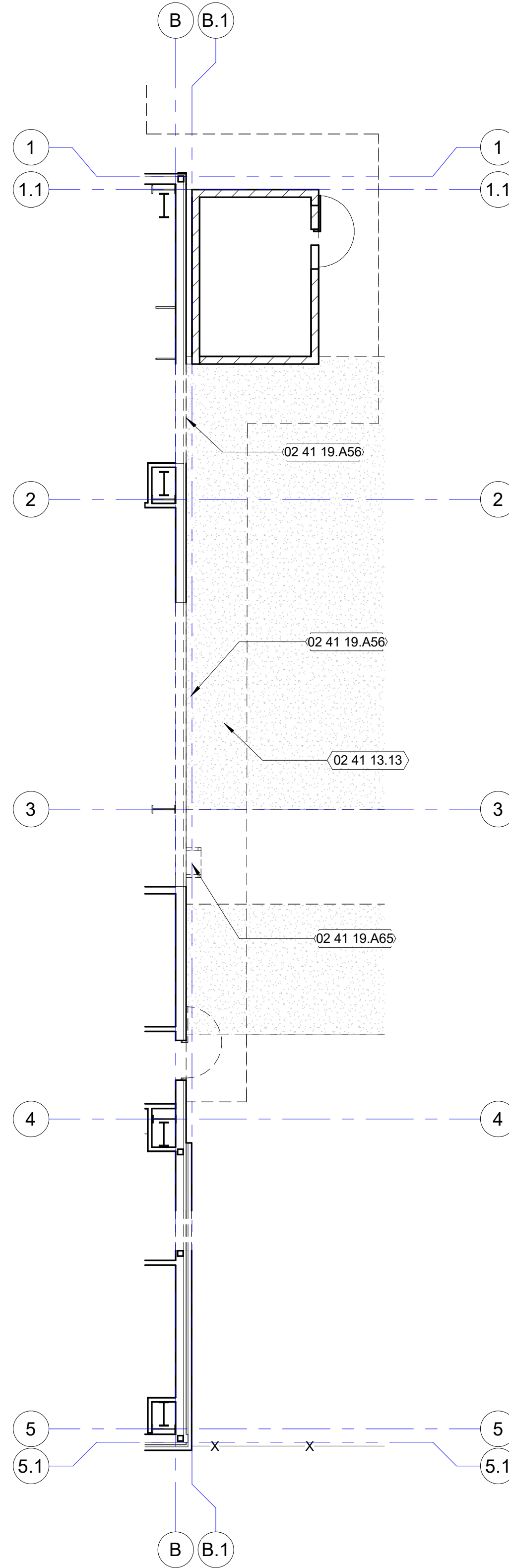
**A2** FIRST FLOOR ANNOTATION PLAN -  
BID ALTERNATE B

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



**A4** FIRST FLOOR DEMOLSIH PLAN -  
BID ALTERNATE B

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



DEMOLITION LEGEND	
	EXISTING DOOR & FRAME TO BE REMOVED
	EXISTING WALL / PARTITION TO BE REMOVED
<b>NOTE:</b> DEMOLITION IN THIS PROJECT REFERS TO THE WORK OF DEMOLITION REQUIRED TO TRANSIT FROM ALTERNATE BID TO BASE BID	

GENERAL NOTES	
1. REFER TO ENLARGED PLANS FOR INTERIOR ELEVATION REFERENCES. 2. REFER TO C1/ G-141 FOR ALL TYPICAL CLEARANCE AT DOOR LOCATIONS. 3. PROVIDE FIRE EXTINGUISHERS AS PER TITLE 19, ARTICLE 3-29. FINAL LOCATIONS TO BE COORDINATED AND REVIEWED BY ARCHITECT AND FIRE INSPECTOR IN THE FIELD PRIOR TO INSTALLATION. PROVIDE FIRE EXTINGUISHER WITH BRACKETS IN EQUIPMENT ROOM. 4. PROVIDE ABUSE-RESISTANT TYPE "X" GYPSUM BOARD AT CIRCULATION SPACES AND LOBBY. 5. REFER TO ROOF PLANS FOR ROOF GENERAL NOTES & LEGENDS.	

FINISH LIST	
FINISH	COMMENTS
<b>BASE FINISHES</b>	
<b>RESILIENT BASE (RB)</b>	
RB-1	ROPPE   700 SERIES - TYPE 1P W/ TOE BASE - 4", 123 CHARCOAL
RB-2	ROPPE   700 SERIES - TYPE 1P W/ TOE BASE - 4", 197 ICEBERG
<b>TILE BASE (TB)</b>	
TB-1	AMERICAN ORLEAN   COLOR STORY WALL   ICE WHITE 0025   4"x12" FLAT TOP COVED BASE
<b>CEILING FINISHES</b>	
<b>ACOUSTIC PANEL CEILING (APC)</b>	
APC-1	ARMSTRONG   ULTIMA HIGH NRC   24" x 48" x 1"   BEVELED EDGE
<b>ACOUSTICAL CEILING CLOUD (ACC)</b>	
ACC-1	ACC-1   AMSTRONG   SOUNDSCAPES SHAPES ACOUSTICAL PANELS   7/8" CIRCLE PANELS   COLOR: BOXWOOD (DBW)
<b>WOOD PANEL CEILING (WPC)</b>	
WPC-1	WPC-1   ARMSTRONG   WOODWORKS CONCEALED CEILING SYSTEM   QUARTERED MAHOGANY (NQM)   PANEL SIZE: 24"x96" UNPERFORATED   OVERALL DIMENSION: 16' X 8' (192" X 96")
WPC-2	WPC-2   ARMSTRONG   WOODWORKS GRILLE   FORTE VENEERED CEILING PANELS   QUARTERED (NQM)   SLAT HEIGHT 4"   SLATS PER PANEL: 3   SPACE BETWEEN SLATS: 3-1/4"   PANEL SIZE: 12"x96"   OVERALL DIMENSION: 14' X 8' (168" X 96")
<b>FLOOR FINISHES</b>	
<b>CARPET TILE (CPT)</b>	
CPT-1	BENTLEY MILLS   COIN-OP II SERIES  BOTS 400061  BACKING W/ NEXTSTEP CUSHION
<b>DENSIFIED CONCRETE (DC)</b>	
DC-1	ASHFORD FORMULA   CHEMICAL ENHANCEMENT AND PROTECTIVE COATING
<b>LUXURY VINYL TILES (LVT)</b>	
LVT-1	INTERFACE   HEATH 4.5 MM EARTHEN FORMS   MARBLE DUST
<b>PAINT (PNT)</b>	
HPC-2	HIGH PERFORMANCE COATING   SHERWIN WILLIAMS   PNT-1 OR PNT-3 COLOR
<b>POLISHED CONCRETE (PC)</b>	
PC-1	RETROPLATE   LEVEL 3 POLISHED FINISH   CHEMICAL ENHANCEMENT AND POLISHING LIQUID
<b>SPORTS FLOORING (SF)</b>	
SF-1	U.S. RUBBER   SURVIVOR FLOORING RUBBER ROLL - ISOMETRIC BLUE #109   9MM ROLL
SF-2	MONDO   ADVANCE PRO 10MM   L62 SAND
<b>TILE (T)</b>	
CT-1	AMERICAN ORLEAN   COLOR STORY MOSAICS   MATTE BLACK   2"x2"
PT-1	DATILE   VOLUME 1.0   VAPOR VL62
<b>MISCELLANEOUS</b>	
<b>CORNER GUARDS (CG)</b>	
CG-1	CGS GROUP   ACO-8
<b>PLASTIC LAMINATE (PLAM)</b>	
PLAM-1	FORMICA   THERMO WALNUT 6402  APPLICATION : CABENIT
PLAM-2	WILSONART   STANDARD LAMINATE - MISSION MAPLE - 7990-38 FINE VELVET FINISH   APPLICATION: RESTROOM
<b>SOLID SURFACE (SS)</b>	
SS-1	WILSONART   FROSTY WHITE MIRAGE   1573MG
<b>STAINLESS STEEL COUNTER (SST)</b>	
SST-1	STAINLESS STEEL #4 SATIN   COUNTERTOP
<b>TOILET PARTITIONS</b>	
TP-1	ASI ACCURATE PARTITIONS   INTEGRATED PRIVACY - STAINLESS STEEL #4 SATIN
<b>ROOF FINISHES</b>	
<b>INSULATED METAL PANEL (IMP)</b>	
IMP-3	METLSPAN   CFR   3"   ARCTIC WHITE
<b>METAL ROOF PANEL (MP)</b>	
MP-2	PAC-CLAD   TITE-LOC   12" O.C. SMOOTH PANEL   COLOR: STONE WHITE
<b>WALL FINISHES</b>	
<b>ACOUSTIC WALL COVERING (AWC)</b>	
AWC-1	MDC   WALL COVERING   PATTERN: MONROE   COLOR: ECRU
<b>ACOUSTIC WALL PANEL (AWP)</b>	
AWP-1	VINYL-WRAPPED PANELS   VINYL: WOLF GORDON - MILLAN - COTTON MILN 6300   PANEL SUBSTRATE: CHEMICALLY HARDENED FIBERGLASS BOARD   PANEL EDGE PROFILE: SQUARE   NOMINAL PANEL THICKNESS: 1"
AWP-2	G&S ACOUSTICS   CUSTOM SHAPED PANELS (CS)   4" THICKNESS   PAINTED FINISH
<b>BRICK (BK)</b>	
BK-1	H.C. MUDDOX   FACE BRICK - DUSTY ROSE   SIZE: MODULAR   WIRE CUT
BK-2	H.C. MUDDOX   THIN BRICK - DUSTY ROSE   SIZE: 1/2" MDULAR THIN BRICK   WIRE CUT
<b>CONCRETE MASONRY UNITS (CMU)</b>	
CMU-1	BASALITE   SHOT BLAST   NATURAL (T)
<b>INSULATED METAL PANEL (IMP)</b>	
IMP-1	METLSPAN   CF MESA   2.5"   REGAL GREY
IMP-2	METLSPAN   CFR   2.5"   ARCTIC WHITE
<b>METAL ROOF PANEL (MP)</b>	
MP-1	PAC-CLAD   REVEAL WALL PANELS   12" O.C. SMOOTH PANEL   COLOR: CITYSCAPE
<b>PAINT (PNT)</b>	
HPC-1	HIGH PERFORMANCE COATING   SHERWIN WILLIAMS   SW 6238
PNT-1	SHERWIN WILLIAMS   SW 6238 ICICLE
PNT-2	SHERWIN WILLIAMS   SW 6524 COMMODOR
PNT-3	SHERWIN WILLIAMS   SW 7551 GREEK VILLA   SEMI-GLOSS
PNT-4	SHERWIN WILLIAMS   SW 7007 CEILING BRIGHT WHITE
PNT-5	SHERWIN WILLIAMS   SW 6991 BLACK MAGIC
<b>TILE TRIM (TT)</b>	
TT-1	AMERICAN ORLEAN   COLOR STORY WALL   ICE WHITE 0025   4"x12" BULLNOSE
<b>WALL TILE (WT)</b>	
WT-1	AMERICAN ORLEAN   COLOR STORY WALL   ICE WHITE 0025   4"x12"
WT-2	DALTILE   ARTESIAN TILE   3"x12"
<b>NOTE</b>	
02 41 13.13	CONCRETE PAVING REMOVAL. REFER TO CIVIL DWG.
02 41 19.A19	REMOVE EXISTING DOOR, FRAME, AND THRESHOLD IN ITS ENTIRETY.
02 41 19.A56	REMOVE PORTION OF EXISTING WALL AS INDICATED ON DWGS FOR INSTALLATION OF NEW OPENING. PREPARE WALL AND FLOOR FOR NEW FINISH. COORDINATE REMOVAL WITH NEW WORK.
02 41 19.A65	REMOVE EXISTING ROOF ACCESS LADDER.
02 41 19.B98	REMOVE EXISTING WALL ASSEMBLY IN ITS ENTIRETY. PATCH AND PREPARE EXISTING ADJACENT WALLS AND FLOOR FOR NEW FINISH. ~ REFER TO FINISH PLANS.
05 51 33.09E	STEEL LADDER ROD RUNGS: 3/4" DIA. x 2'-2"W WITH NONSLIP COATING @ 12" O.C. PASS RODS THRU SIDE RAILS & PLUG WELD TO RAIL AT BOTH ENDS. PROVIDE KNURLED FINISH ON RUNGS. (GRIND ALL WELDS SMOOTH).



F  
E  
D  
C  
B  
A

1

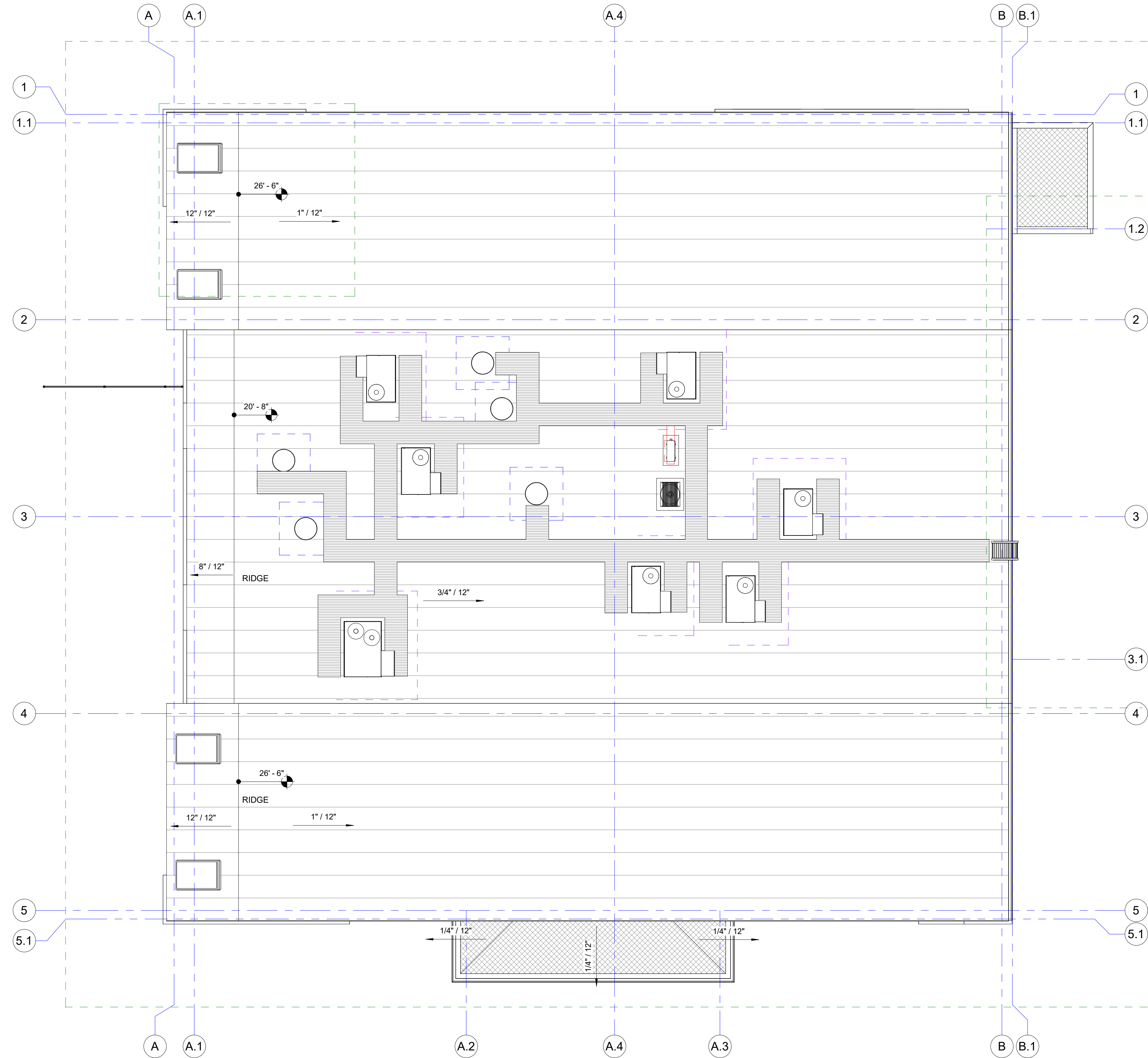
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6



ROOF PLAN LEGEND

- ROOF AND OVERFLOW DRAIN, RE:
- SPLASH PAN
- ROOF WALKWAY PAD
- ROOF LADDER
- ROOF SLOPE DIRECTION  
1/4" PER FOOT MIN
- CRICKET
- MECHANICAL EQUIPMENT AND/ OR PLATFORM,  
REFER TO MECHANICAL DWGS
- HP  
HIGH POINT
- LP  
LOW POINT
- STANDING SEAM (IMP) ROOFING SYSTEM, IMP-3,  
RE: A1.A3 /A531
- PVC ROOFING SYSTEM,  
RE: C11 /A531
- EXTERIOR WALL ASSEMBLY, REF. SHEET A-501
- T.O.R.  
TOP OF ROOF
- T.O.P.  
TOP OF PARAPET
- WINDOW/ STOREFRONT - REFER TO  
GLAZING SCHEDULE, SHEET A-611

KEYNOTES PER SHEET

NOTE	DESCRIPTION
------	-------------



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JN  
DATE 10/29/2025

TITLE

ALTERNATE BID  
ROOF PLAN

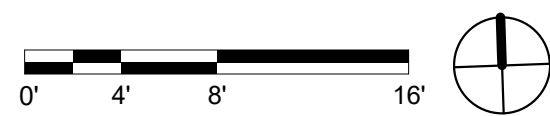
PROJECT NO. 50184767

AB-112

SHEET NO.

A1 ALTERNATE BID ROOF PLAN

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



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




TITLE

EXTERIOR  
ELEVATIONS

PROJECT NO.	50184767
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AB-201

SHEET NO.

EXTERIOR ELEVATION FINISHES	
	MASONRY BRICK BK-1, BK-2.
	METAL PANEL ( WALL: 2MP, 2MP-2, ROOF : 1MP-3)
	METAL PANEL ( IMP-1, MP-1)
	EXPOSED CMU - SHOT BLAST, CMU-1
	GUTTER & DOWNSPOUT, FINISH TO MATCH STANDING SEAM METAL ROOFING PANEL.
KEYNOTES PER SHEET	
NOTE	DESCRIPTION
02 41 19.A31	REMOVE EXISTING METAL GUTTER, DOWNSPOUTS, ROOF EDGE GRAVEL STOP, & ASSOCIATED WOOD BLOCKING, PREPARE SUBSTRATE TO RECEIVE NEW CONSTRUCTION.
02 41 19.A56	REMOVE PORTION OF EXISTING WALL AS INDICATED ON DWGS FOR INSTALLATION OF NEW OPENING. PREPARE WALL AND FLOOR FOR NEW FINISH. COORDINATE REMOVAL WITH NEW WORK.
07 41 13.16A	PRE-FINISHED ALUMINUM DOWNSPOUT. FINISH TO MATCH ADJACENT WALL.
07 41 13.16C	PRE-FINISHED ALUMINUM GUTTER. FINISH TO MATCH IMP-2

**B1** DEMOLITION  
Scale: 1/8" = 1'-0"

**A1** ELEVATION  
Scale: 1/8" = 1'-0"



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A

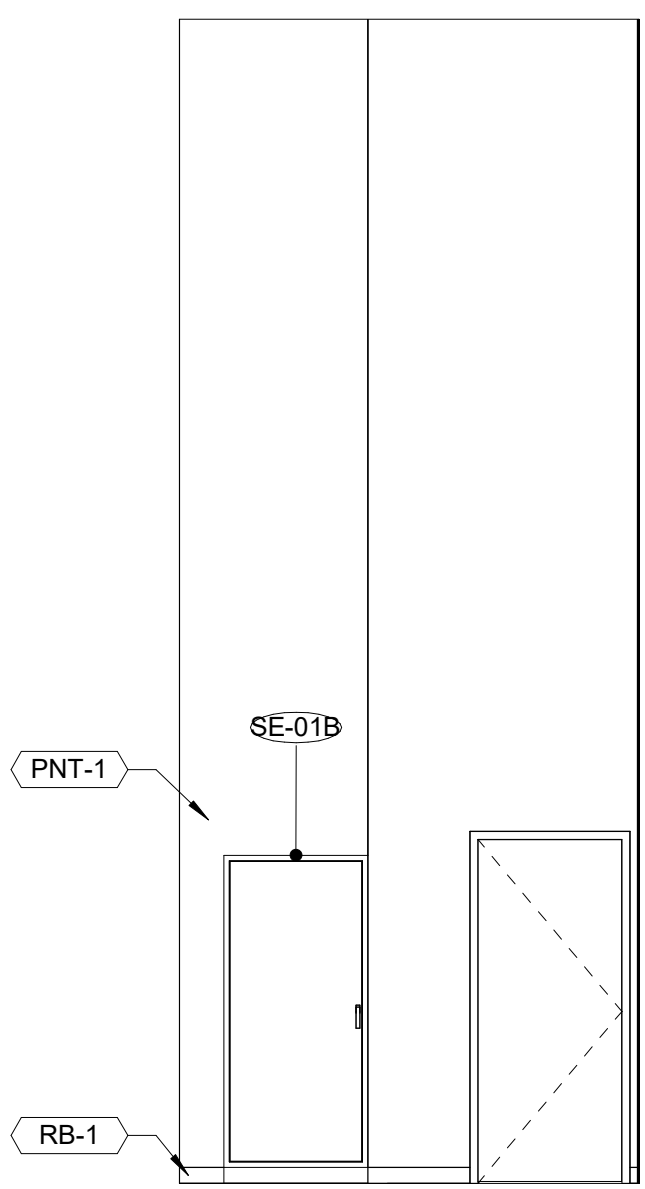
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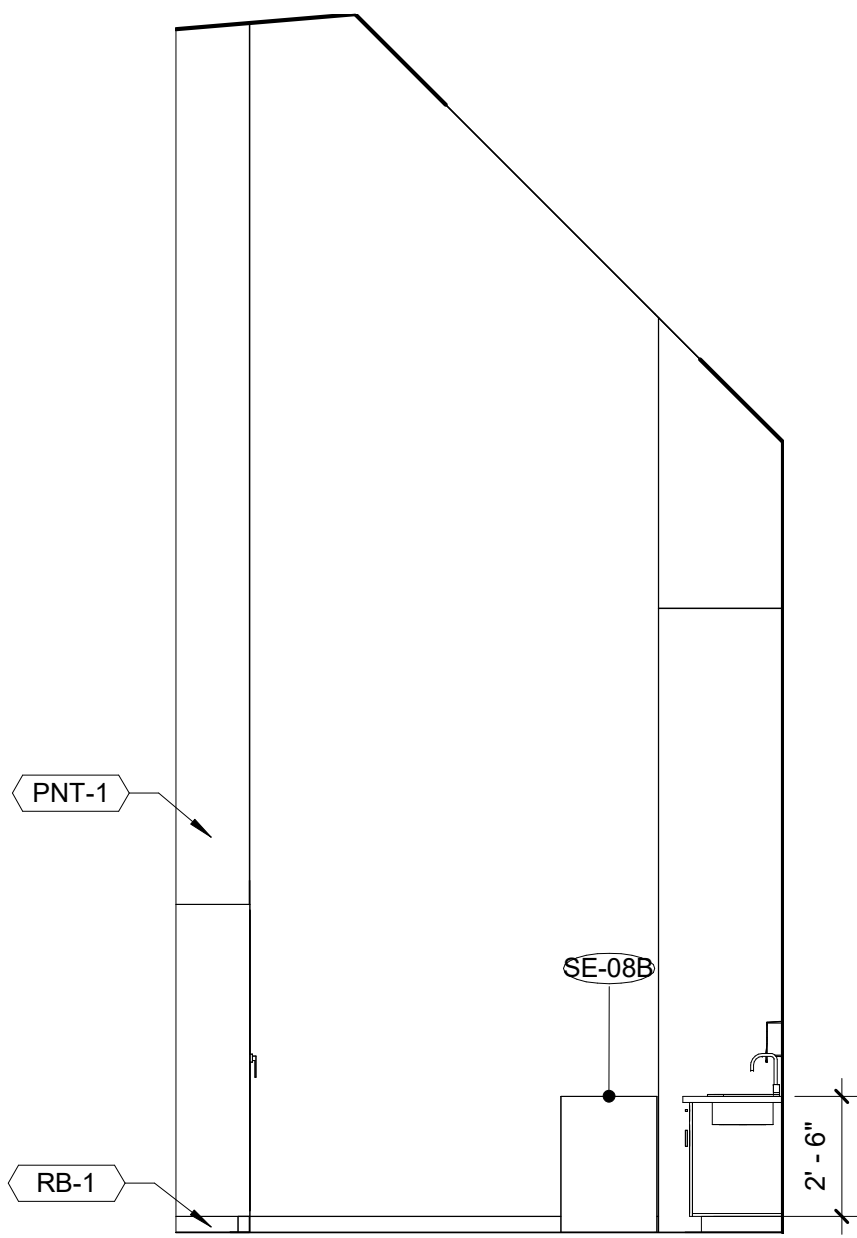
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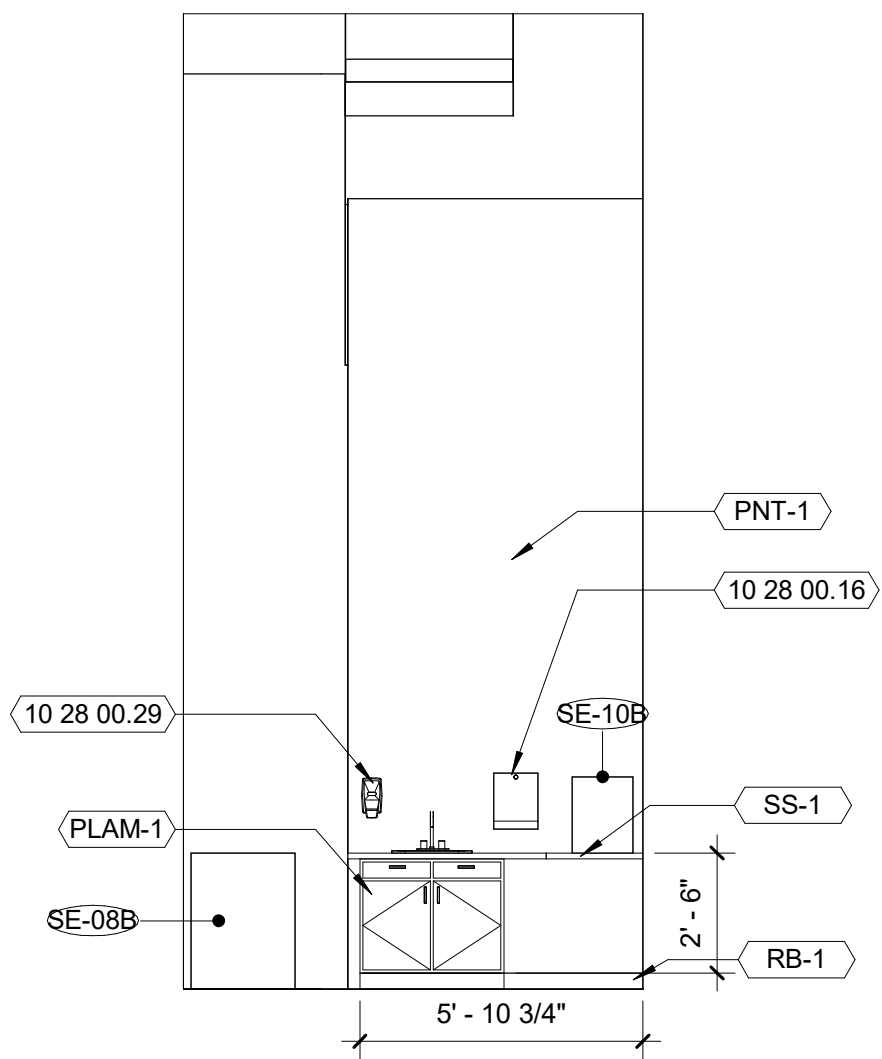
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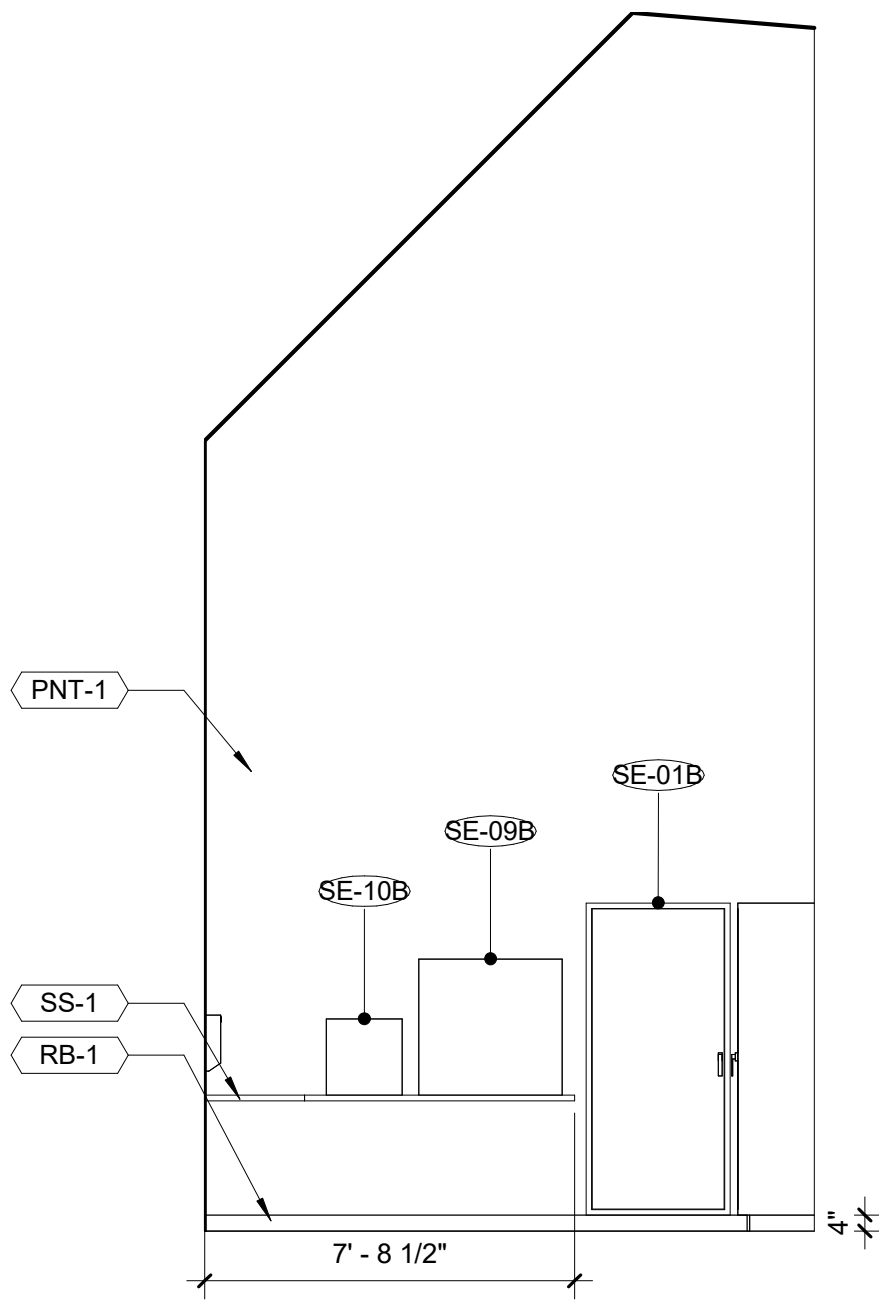
**A1** EVIDENCE PROCESS 116C - EAST ELEVATION  
Scale: 1/4" = 1'-0"



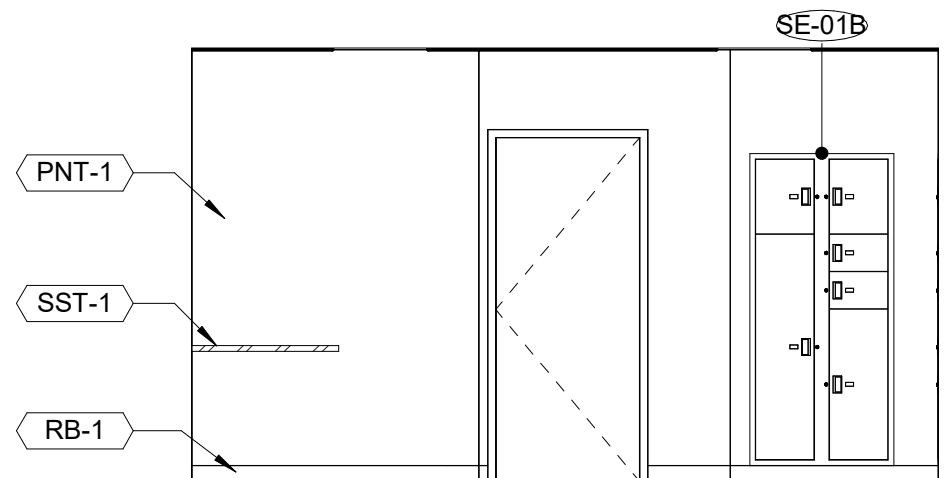
**A2** EVIDENCE PROCESS 116C - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



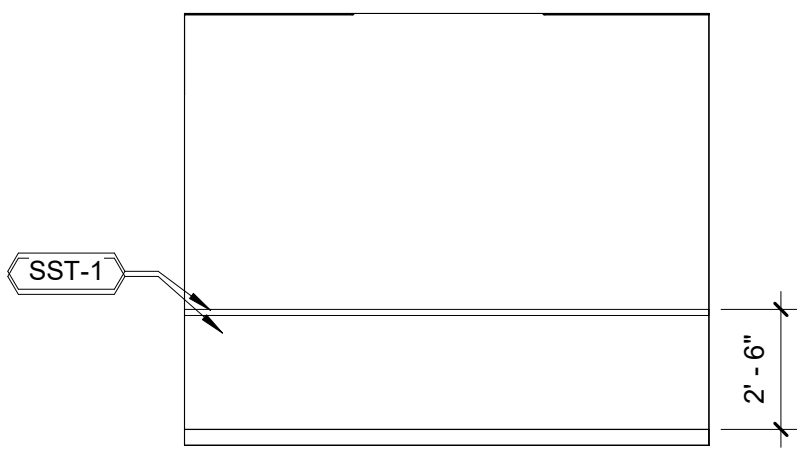
**C1** EVIDENCE PROCESS 116C - WEST ELEVATION  
Scale: 1/4" = 1'-0"



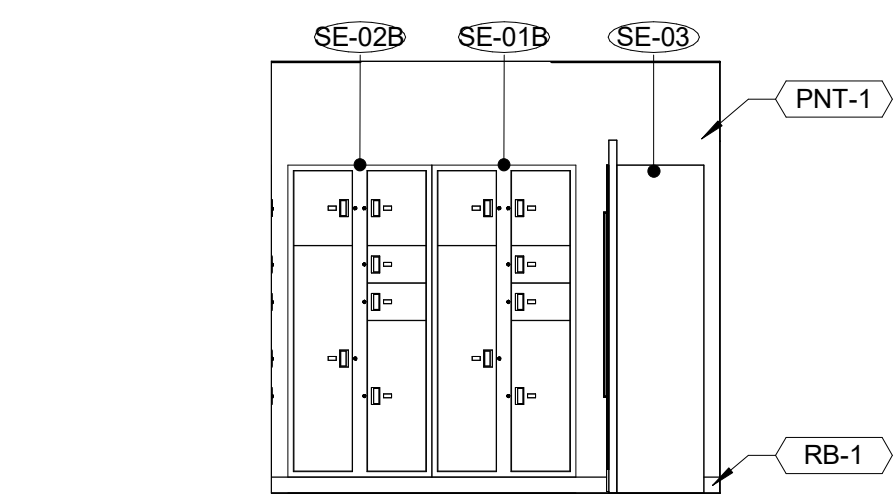
**C2** EVIDENCE PROCESS 116C - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



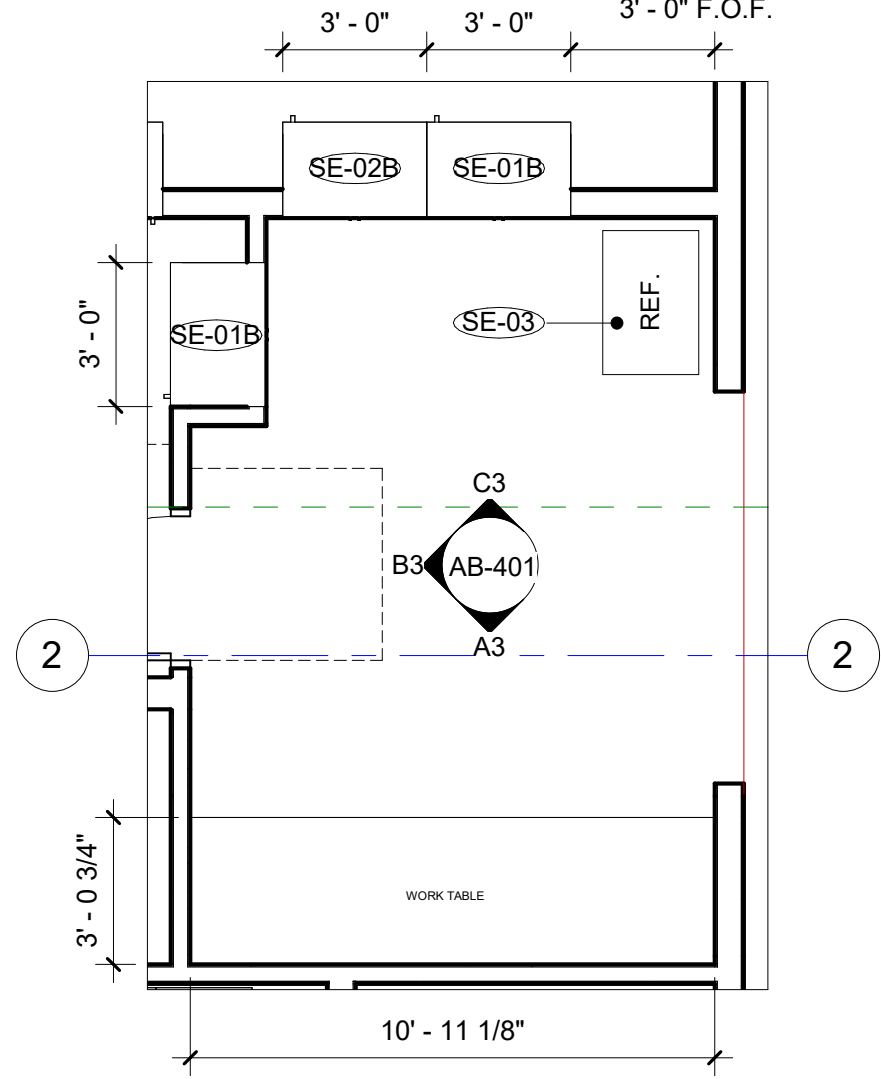
**B3** BAG & TAG 116B - WEST ELEVATION  
Scale: 1/4" = 1'-0"



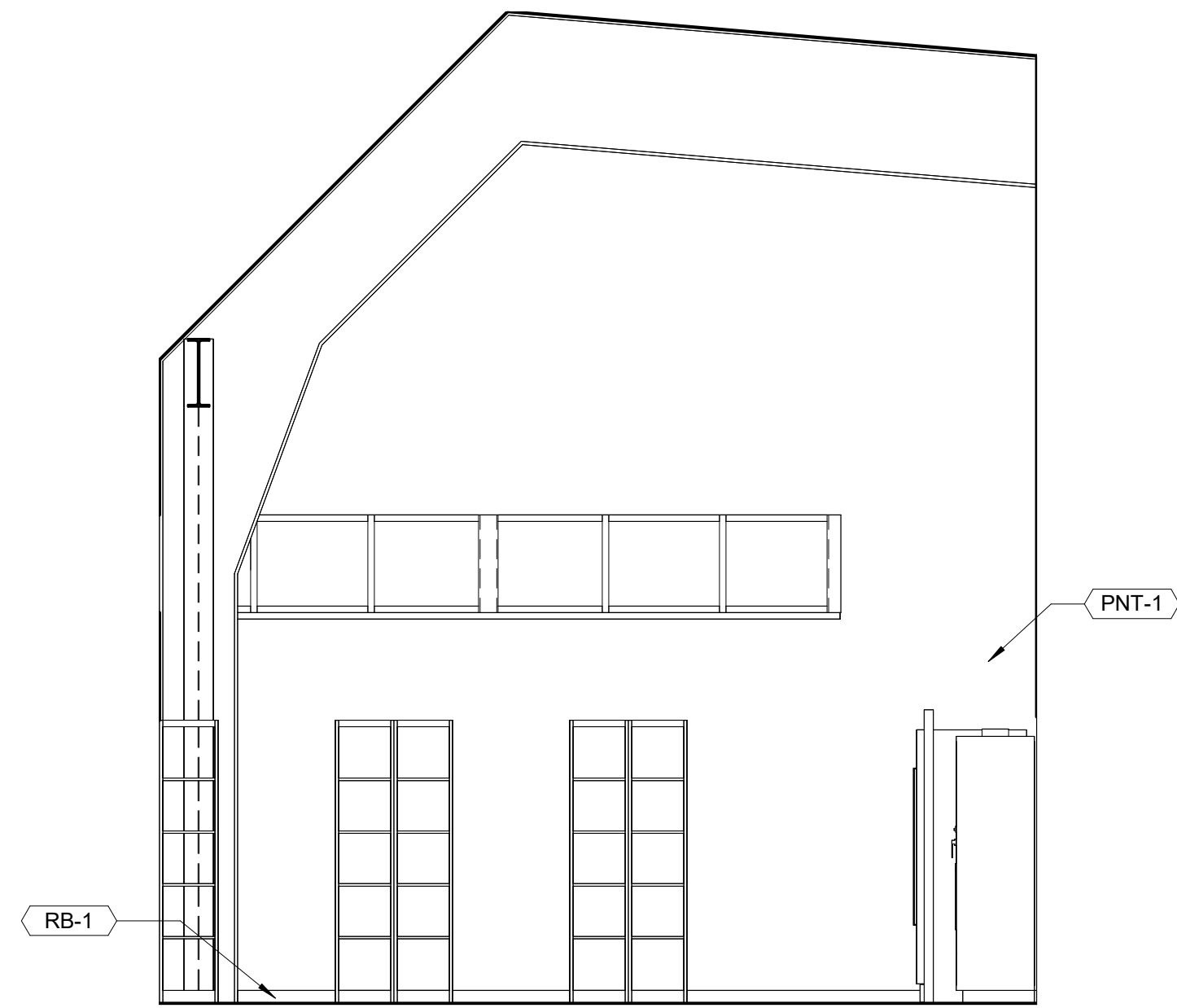
**A3** BAG & TAG 116B - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



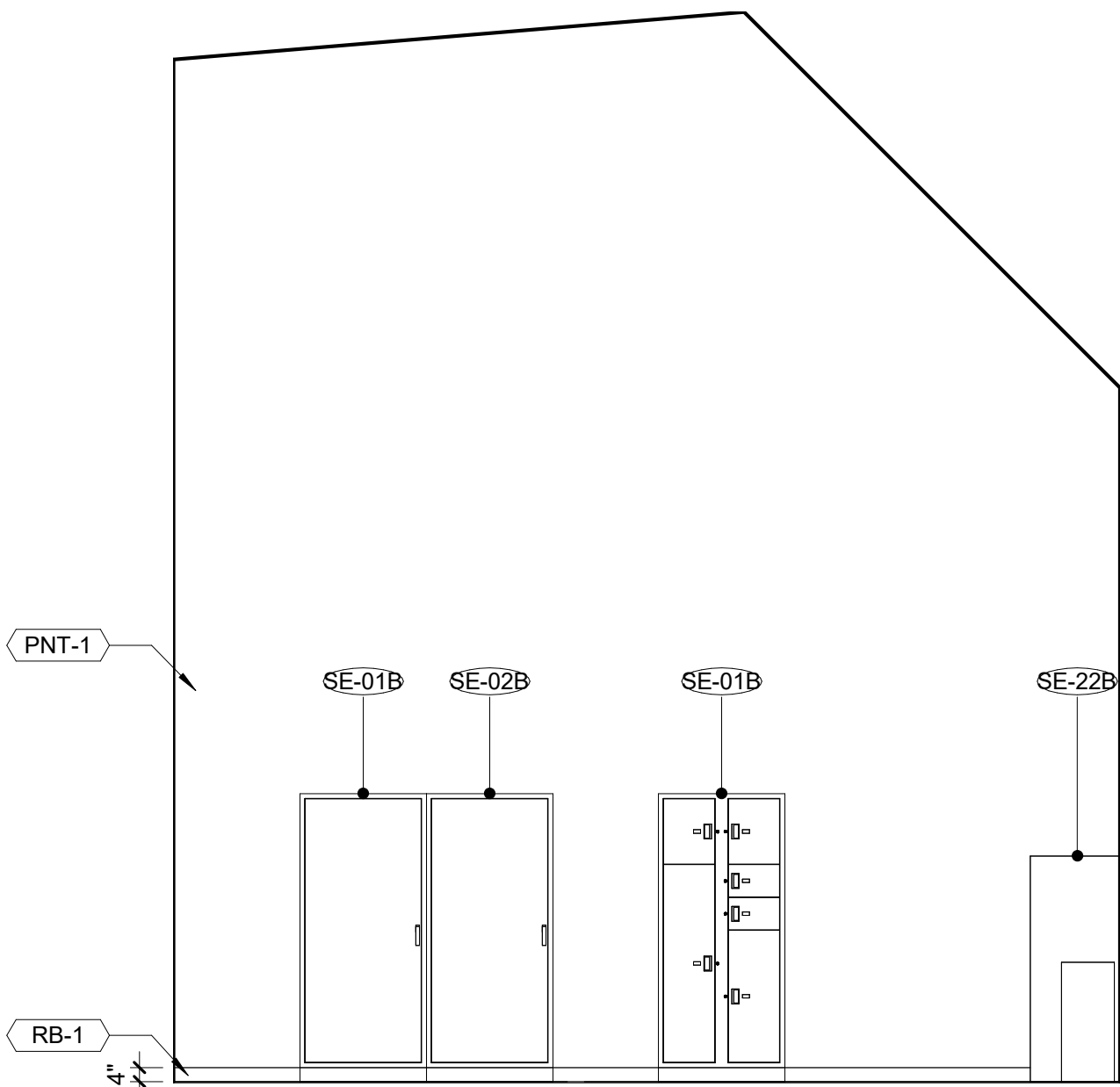
**C3** BAG & TAG 116B - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



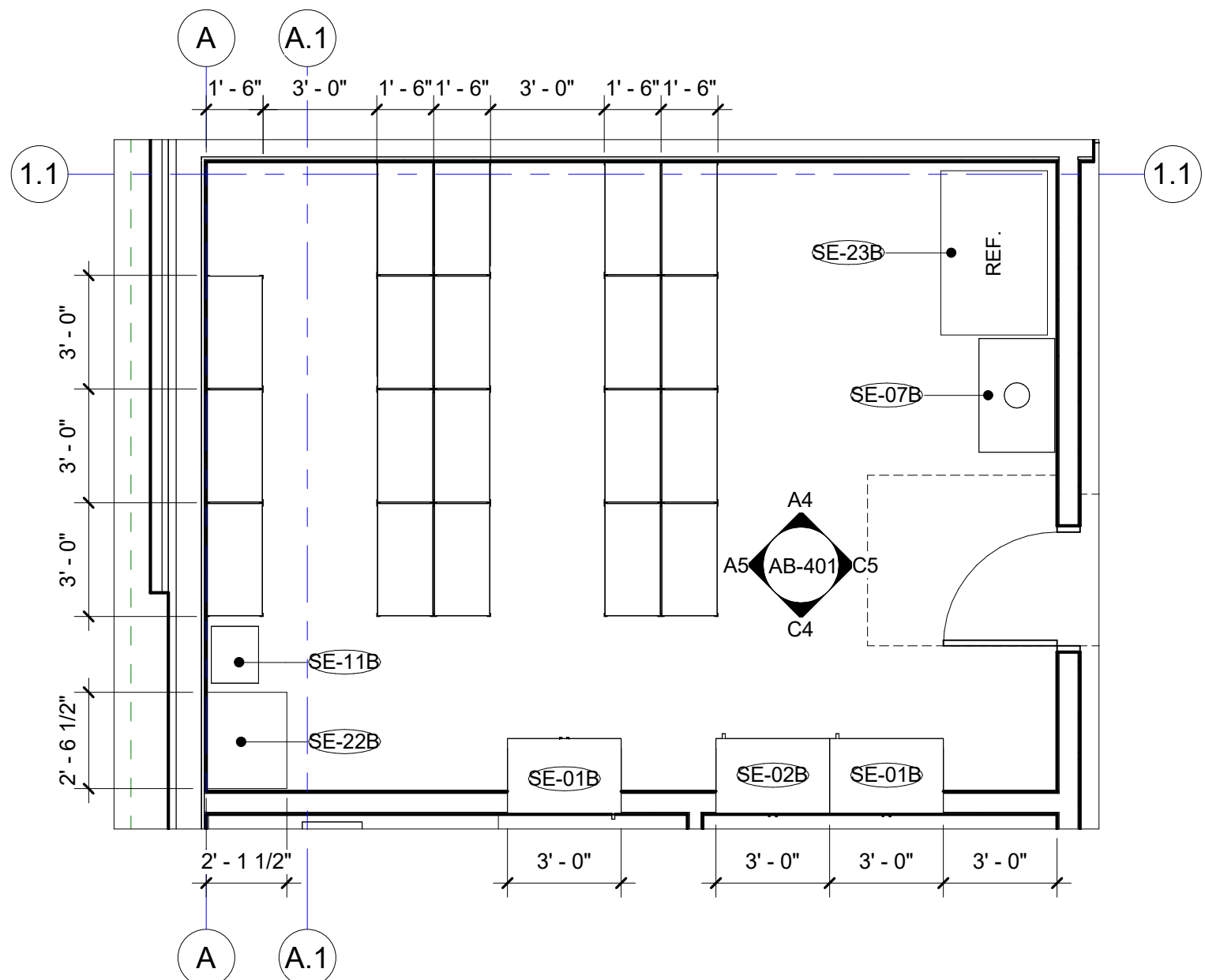
**E2** ENLARGED PLAN - BAG & TAG 116B  
Scale: 1/4" = 1'-0"



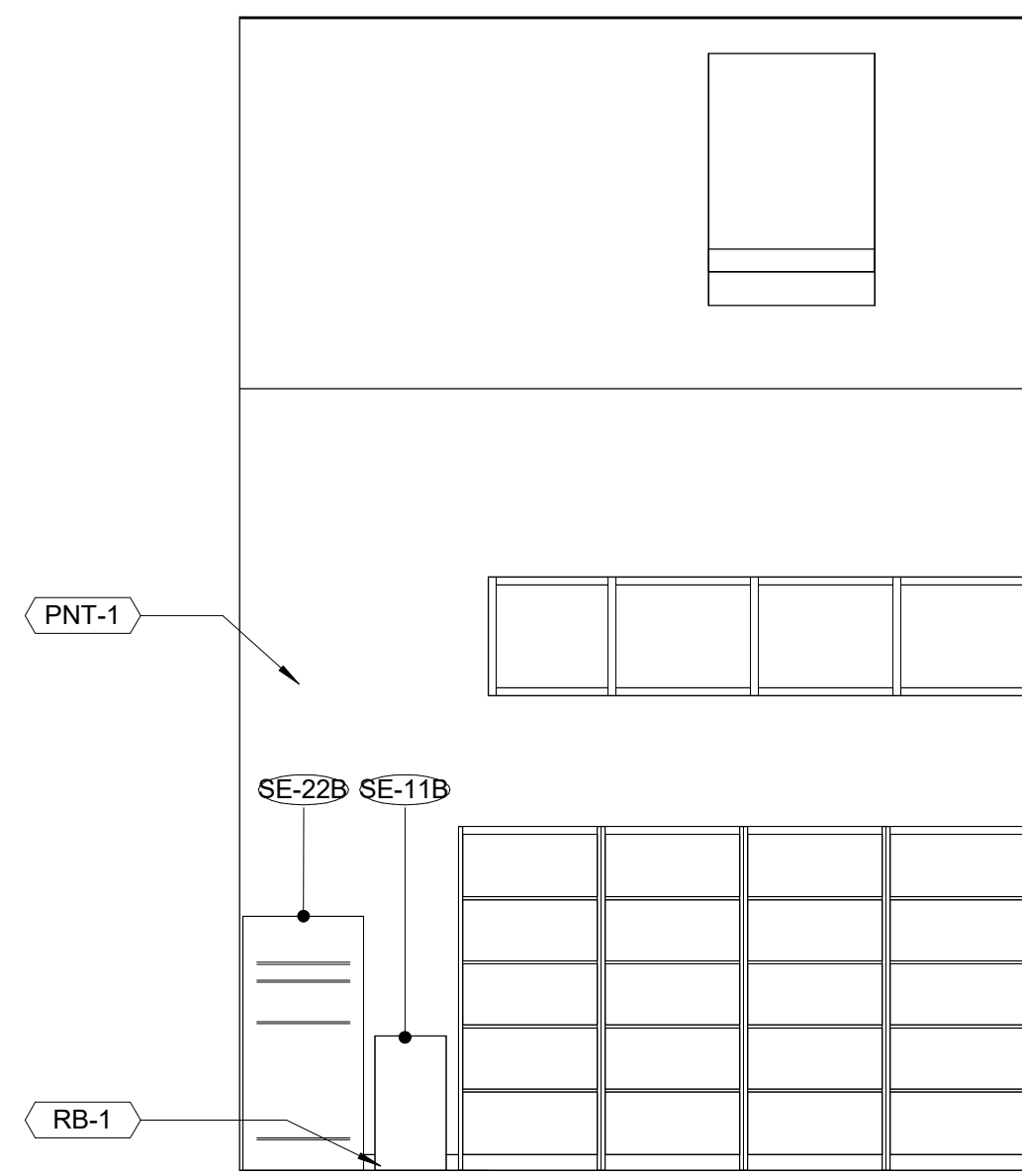
**A4** PROPERTY 116A - NORTH ELEVATION  
Scale: 1/4" = 1'-0"



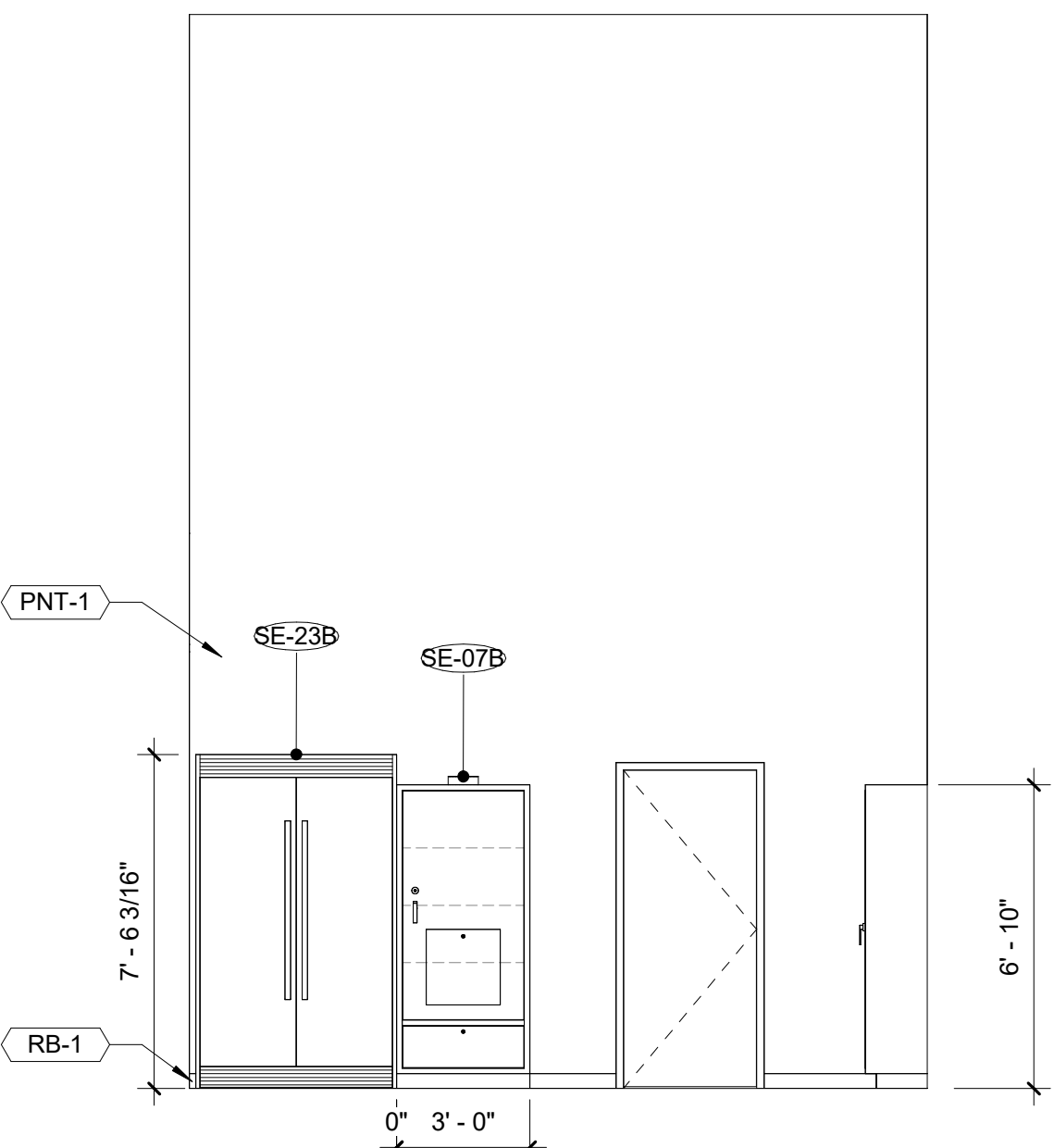
**C4** PROPERTY 116A - SOUTH ELEVATION  
Scale: 1/4" = 1'-0"



**E3** ENLARGED PLAN - PROPERTY 116A  
Scale: 1/4" = 1'-0"



**A5** PROPERTY 116A - WEST ELEVATION  
Scale: 1/4" = 1'-0"



**C5** PROPERTY 116A - EAST ELEVATION  
Scale: 1/4" = 1'-0"

ENLARGED DRAWINGS GENERAL NOTES

1. REFER TO SHEET G-400 FOR TOILET ACCESSORY DESIGNATIONS AND MOUNTING HEIGHTS
2. REFER TO SEE SHEET A-115 FOR FINISH MATERIAL DESIGNATIONS AND DETAILS
3. REFER TO SHEET A-565 FOR GENERAL CASEWORK NOTES
4. REFER TO SHEET A-620 FOR EQUIPMENT DESIGNATIONS AND SCHEDULES
5. SLOPE FINISH FLOOR TO DRAIN 1/8 in./ ft. MIN. TO 1/4in./ft. MAX.

KITCHEN ACCESSORIES LEGEND

PTD	PAPER TOWEL DISPENSER
SDW	WALL MOUNTED SOAP DISPENSER
MR	MOP RACK

ENLARGED PLAN SYMBOL LEGEND

XX	TOILET / KITCHEN ACCESSORY TAGS
00 00 00.00	KEYNOTE TAGS
XX-X	FINISH TAGS
XX-X	EQUIPMENT TAGS, REFER TO EQUIPMENT SCHEDULE, SHEET A-701

KEYNOTES PER SHEET

NOTE	DESCRIPTION
10 28 00.16	PAPER TOWEL (FOLDED) DISPENSER, SEMI RECESSED, INSTALL WITH CONTROL POINT OR OPERATING MECHANISM AT 40" AFF. MAX.
10 28 00.29	MANUAL SOAP DISPENSER, WALL MOUNTED.

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CITY OF MCFARLAND POLICE DEPARTMENT

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

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APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025  
TITLE

ENARGED PLANS  
& ELEVATIONS -  
ALTERNATE BID

PROJECT NO. 50184767

SHEET NO.

Dewberry  
Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

402 Mast Avenue  
McFarland, CA 93250

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AB-401



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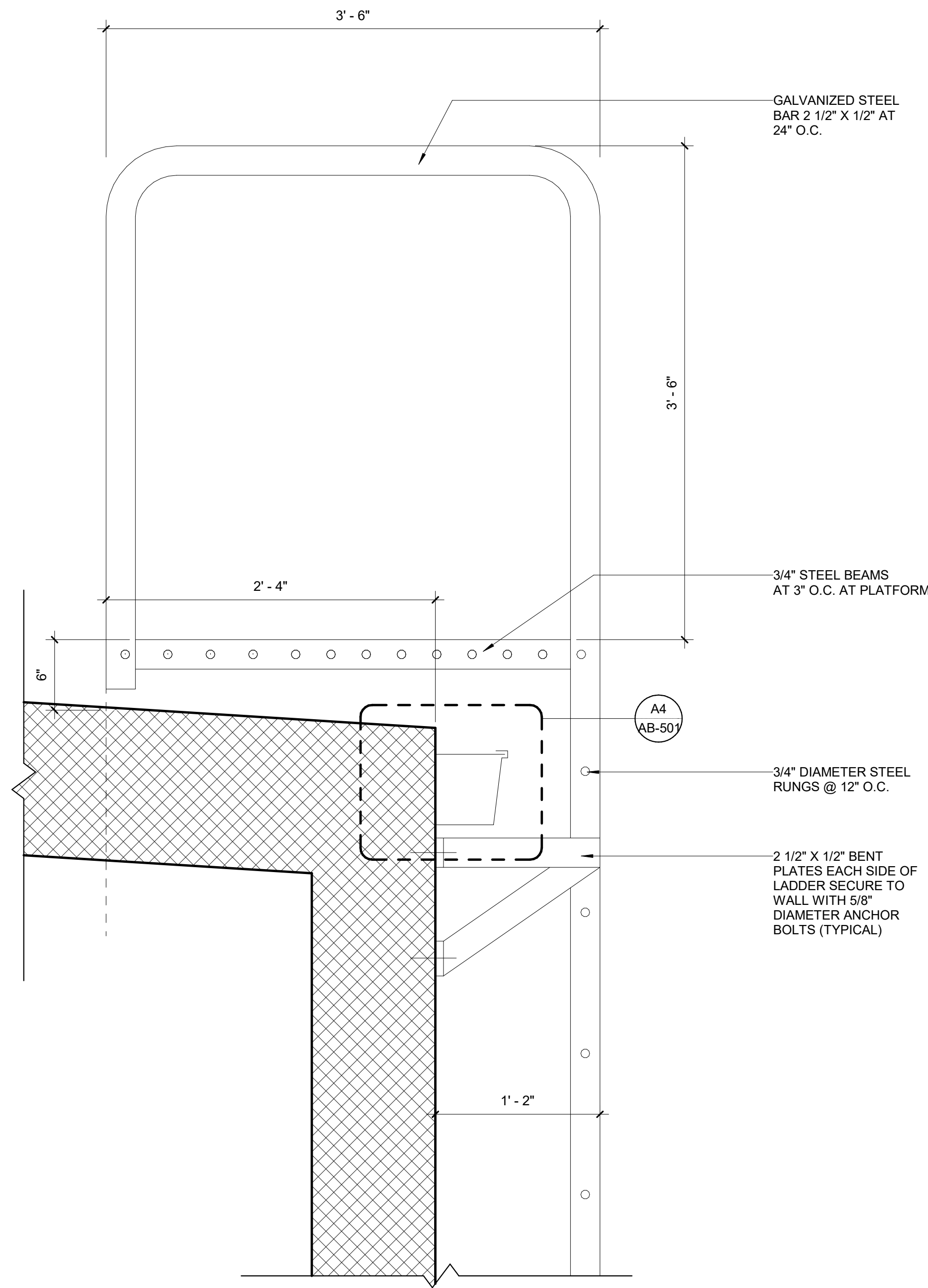
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DATE 10/29/2025  
TITLE

DETAILS -  
ALTERNATE BID

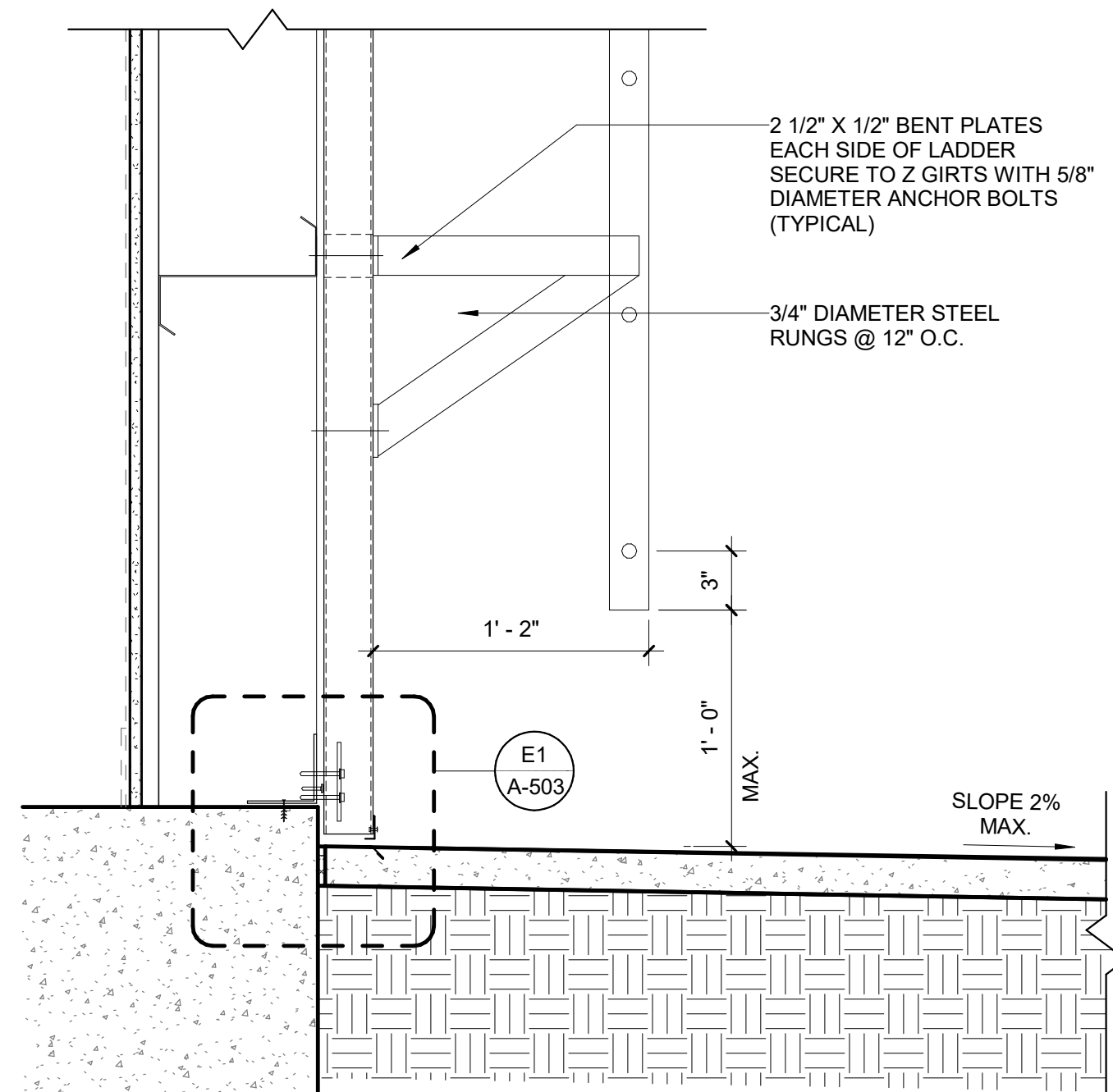
PROJECT NO. 50184767

AB-501

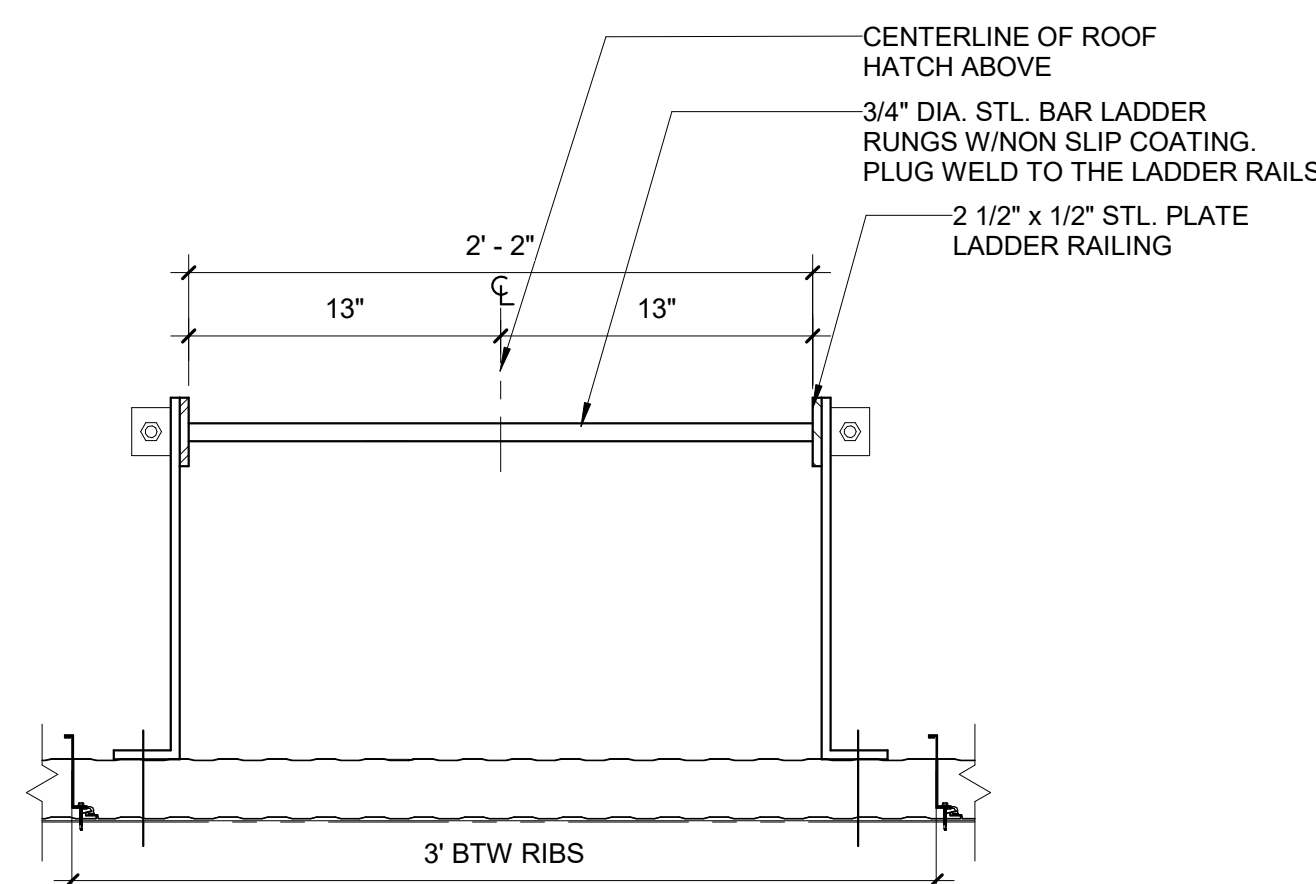
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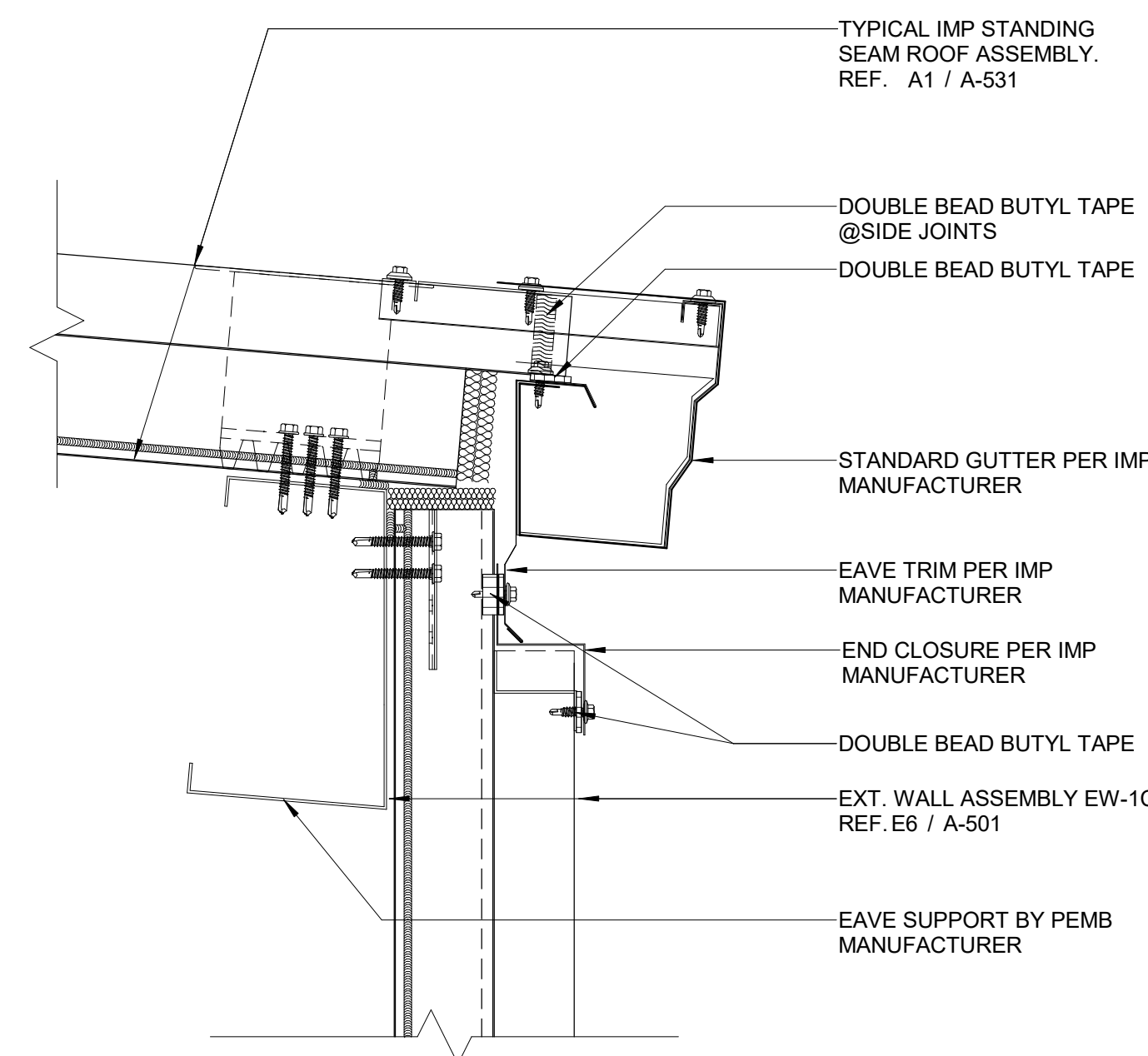
C1 OUTDOOR ROOF ACCESS LADDER DETAIL @ TOP  
Scale: 1 1/2" = 1'-0"



A1 OUTDOOR ROOF ACCESS LADDER DETAIL @ BOTTOM  
Scale: 1 1/2" = 1'-0"



A2 ROOF ACCESS LADDER PLAN DETAIL  
Scale: 1 1/2" = 1'-0"



A4 LOW ROOF EAVE W/GUTTER  
Scale: 3" = 1'-0"



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A

B

C

D

E

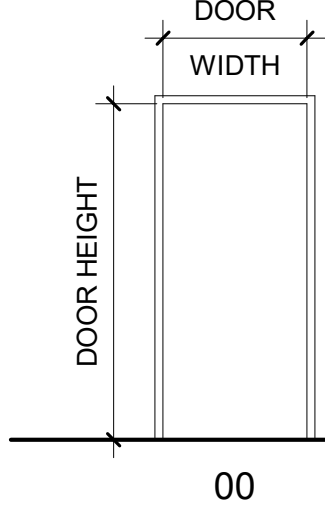
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**A1** FIRST FLOOR FF&E PLAN - ALTERNATE BID

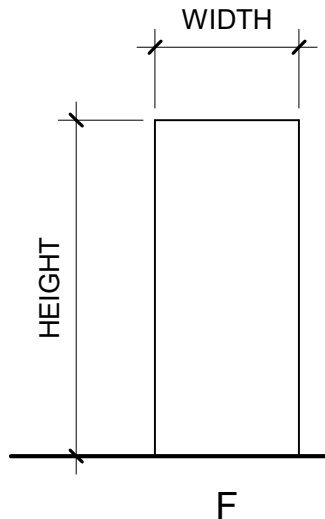
Scale: 1/8" = 1'-0"

DOOR SCHEDULE_BID ALTERNATE A																	
DOOR NUMBER	LEAF QTY	DOOR						FRAME		DETAILS				FIRE LABEL	HARDWARE	REMARKS	DOOR NUMBER
		SIZE			TYPE	MATERIAL	GLAZING	TYPE	MATERIAL	HEAD	JAMB	SILL					
		WIDTH	HEIGHT	THICKNESS													
116A	1	3' - 0"	7' - 2"	1 3/4"	F	HM	-	F1	HM	E2/A-604	C2/A-604	---		EAC-6.0		116A	
116B	1	3' - 0"	7' - 2"	1 3/4"	F	HM	-	F1	HM	E1/ A-604	C1/ A-604	---		EAC-6.0		116B	



**E4** DOOR FRAME TYPES - BID ALTERNATE A

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



**D4** DOOR PANEL TYPES - BID ALTERNATE A

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

\*LITE LOCATION TO BE 6" OR AS REQUIRED BY DOOR MFR FOR EDGE DISTANCE TO HARDWARE CUTOUTS. COORDINATE WITH DOOR AND HARDWARE SUPPLIERS.

SPECIALITY EQUIPMENT SCHEDULE - ALTERNATE BID					
MARK	COUNT	MANUFACTURER	MODEL	RESPONSIBILITY	Description
SE-01B	3	SPACESAVER	TBD	CFCI	EVIDENCE LOCKER - PASS-THROUGH   COLOR : FROST
SE-02B	1	SPACESAVER	TBD	CFCI	EVIDENCE LOCKER - PASS-THROUGH   COLOR : FROST
SE-03	1	SENTINEL	ERF82-12-NPT	OFOI	EVIDENCE REFRIGERATOR
SE-04	12	SPACESAVER	TBD	CFCI	PERSONAL STORAGE LOCKERS   SIZE : 24 x 24 x 84 - SLOPE TOP   SINGLE DOOR
SE-05	8	SPACESAVER	SPACESAVER DAY USE LOCKER	CFCI	DAY USE LOCKER   2 TIER   12X18
SE-07B	1	TBD	TBD	CFCI	DRYING CABINET
SE-08B	1	EXISTING	EXISTING	OFCI	EXISTING FUMING CHAMBER TO BE REINSTALLED
SE-09B	1	EXISTING	EXISTING	OFCI	EXISTING DOWNFLOW WORKSTATION TO BE REINSTALLED
SE-10B	1	EXISTING	EXISTING	OFCI	EXISTING UV/BOX BENCH TOP DECONTAMINATION CHAMBERS TO BE REINSTALLED
SE-11B	1	TEEL TECHNOLOGIES	MISSION DARKNESS BLOCKER LOCKER 7	OFCI	CELLPHONE LOCKERS WITH CHARGERS
SE-12	10	ULINE	H-2883	OFOI	87"HEIGHT 18" DEEP 5 TIER SHELVING   WIDTH :36"
SE-13	2	ULINE	H2885	OFOI	87"HEIGHT 18" DEEP 5 TIER SHELVING   WIDTH : 48"
SE-14	1	SPACESAVER	TBD	OFOI	84"H RIFFLE STORAGE CABINET WITH BACK PANEL
SE-15	1	SPACESAVER	TBD	OFOI	84"H PISTOL STORAGE CABINET WITH BACK PANEL
SE-16	1	SPACESAVER	TBD	OFOI	84"H PISTOL STORAGE CABINET WITH BACK PANEL
SE-17	2	SALSBURY INDUSTRIES	77781-ADA	CFCI	ADA SEATING BENCH - LIGHT FINISH
SE-18	2	TBD	TBD	CFCI	LOCKER ROOM BENCH
SE-19	1	SAFCO	SC6041G - POWDER COAT PAINT WHITE	OFOI	MAILFLOW SYSTEMS SORTER, CLOSED BACK; 60 SORTING POCKETS 15"D WITHOUT PLEXI DOORS
SE-20	1	TBD	TBD	OFOI	LIVE SCAN MACHINE
SE-21	1	SOUTHWEST SOLUTIONS GROUP	EDHGF	CFCI	6 COMPARTMNET PISTOL LOCKER   FLUSH MOUNT
SE-22B	1	TBD	TBD	OFOI	SAFE
SE-23B	1	BEVERAGE-AIR	HBRF49HC-1-A	CFCI	EVIDENCE REFRIGERATOR
SE-24	3	SPACESAVER	SPACESAVER DAY USE LOCKER	CFCI	DAY USE LOCKER   2 TIER   12X18

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CITY OF MCFARLAND POLICE DEPARTMENT

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McFarland, CA 93250

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY JQ  
APPROVED BY PE  
CHECKED BY JQ  
DATE 10/29/2025

TITLE

DOOR &  
EQUIPMENT  
SCHEDULE

PROJECT NO. 50184767

AB-601

SHEET NO.



Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244



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D1 ENLARGED TEMPORARY HOLDING DETENTION FLOOR PLAN  
Scale: 1/4" = 1'-0"

D3 ENLARGED TEMPORARY HOLDING DETENTION FLOOR PLAN\_DIM  
Scale: 1/4" = 1'-0"

A1 ENLARGED TEMPORARY HOLDING DETENTION RCP  
Scale: 1/4" = 1'-0"

APC-1

SUSPENDED ACOUSTICAL PANEL  
CEILING 2'x4' GRID

OTS

OPEN TO STRUCTURE

GYP-1

GYPSON BOARD CEILING  
(GYP-1)

SMC-1

SECURITY METAL CEILING

WPC-1

WOOD PANEL CEILING

WPC-2

WOOD SLAT CEILING

ACC-1

ACOUSTICAL CEILING CLOUD

XXX

CEILING TYPE

X-X'

CEILING HEIGHT

SUSPENDED OPEN GRID  
CEILING SYSTEM

DROP IN RESIN PANEL ON  
SUSPENDED OPEN GRID  
CEILING SYSTEM

CJ

CONTROL JOINT

OTS

OPEN TO STRUCTURE

EDGE OF ROOF ABOVE

EM

EMERGENCY LIGHT

ILLUMINATED EXIT SIGN  
WITH UL 924

DAYLIGHT SENSOR

SPEAKER

FIRE ALARM

HEAT DETECTOR

SMOKE DETECTOR

SPRINKLER HEAD

OCCUPANCY SENSOR

HORN/STROBE DEVICE

SPEAKER/STROBE

STROBE

WALL MOUNTED LIGHT  
FIXTURE (EMERGENCY)

CEILING MOUNTED LIGHT  
FIXTURE (EMERGENCY)

CEILING MOUNTED EXIT  
SIGN

RECESSED LIGHT FIXTURE

SUSPENDED LINEAR LIGHT  
FIXTURE

SURFACE MOUNTED  
LIGHT FIXTURE

EXT. WALL MOUNTED  
LIGHT FIXTURE

RECESSED LIGHT  
FIXTURE

WALL MOUNTED  
PROJECTOR

CEILING ACCESS PANEL  
REF:

SUPPLY DIFFUSER

RETURN DIFFUSER

EXHAUST AIR DEVICE

LINEAR SLOT DIFFUSER

EXPOSED DUCTWORK

SYMBOL DESCRIPTION

NOTE: FOR MEP DEVICES, REFER TO MEP DRAWINGS.

D101

REFER TO DETENTION DOOR SCHEDULE QD-601 &  
SPECIFICATION SECTIONS 11 19 13; 11 19 23; 11 19 26; 11 19 33  
IN THE PROJECT MANUAL

D101

REFER TO TYPICAL FRAME DETAILS ON SHEET QD-601

D101

DOOR TAG IS PLACED ON GLAZING STOP SIDE OF DOOR /  
FRAME

SLIDING

SWING

ARCHITECTURAL DOOR

REFER TO ARCHITECTURAL DOOR SCHEDULE

LOCKER - PISTOL - 6 COMPARTMENT - SEMI-RECESS MOUNTED  
SEE DETAILS ON SHEET QD-572 AND  
SPECIFICATION SECTION 11 19 49

L-P6SR

UTILITY SHELF - SST - STAINLESS STEEL  
(Refer to Details A3/QD-571)

US

METAL BENCH - ACCESSIBLE - SST - STAINLESS STEEL  
(Refer to Details A3/QD-571)

DMBA

DET. GRAB BAR SST W/ LIGATURE RESISTANT BOT. PLATE 42"  
SEE DETAILS ON SHEET QD-571 & G-400 FOR MOUNTING HEIGHT  
AND REQUIRED CLEARANCE AND SPECIFICATION SECTION 11 19 46

DGB42

DET. MIRROR ADA - SST METAL - SINGLE DET. MIRROR ADA  
SEE DETAILS ON SHEET QD-571 & G-400 FOR MOUNTING HEIGHT  
AND SPECIFICATIONS SECTION 11 19 46

DMA1

DETENTION CONVEX SECURITY MIRROR W/ PRIVACY FILM  
SEE DETAILS ON SHEET QD-571 & G-400 FOR MOUNTING HEIGHT  
AND SPECIFICATIONS SECTION 11 19 43

DMQ

DETENTION SHELF - WALL MOUNTED  
(Refer to QD-571 For Details )

DSWM

STOOL - FLOOR MOUNTED  
SEE DETAILS ON SHEET B3/QD-571 & G-400 FOR MOUNTING  
HEIGHT AND SPECIFICATION SECTION 11 19 43

ST

STOOL - WALL MOUNTED - SWING  
SEE DETAILS ON SHEET QD-571 & G-400 FOR MOUNTING HEIGHT  
AND SPECIFICATION SECTION 11 19 43

ST-WS

TOILET PAPER HOLDER - SEMI RECESSED - DOUBLE SIDED  
SEE DETAILS ON SHEET QD-571 & G-400 FOR MOUNTING HEIGHT  
AND SPECIFICATION SECTION 11 19 46

TP-D

DETENTION ACCESS PANEL CEILING DAP IS 24"W X 24"D NOM.  
(Refer to Refer to Specification 11 19 16  
QD-572 For Details Coordinate Locations with MEP)

DAPC2424

DESIGNATES SIZE

FFE - FIXTURE FURNINSH EQUIP.

CFCI: Contractor Furnished/ Contractor Installed

OFCI: Owner Furnished/ Contractor Installed

OFOI: Owner Furnished/ Owner Installed

OFFICER COMPUTER STATION CHAIR  
(ROLLING ADJUSTABLE - OFOI)

METAL TABLE WITH RESTRAINT RINGS  
(FLOOR MOUNTED - OFOI)  
(72L X 30 W)

DETENTION GENERAL NOTES

1. EXACT LOCATION AND LAYOUT OF ALL DETENTION FURNISHINGS AND  
EQUIPMENT SHALL BE COORDINATED BY THE G.C. AND REVIEWED BY THE  
ARCHITECT PRIOR TO INSTALLATION.

2. REFERENCE SPECIFICATIONS SECTION 11 19 43 - DETENTION FURNISHINGS AND  
EQUIPMENT FOR ALL DETENTION EQUIPMENT.

3. PROVIDE SECURITY SEALANT AT PERIMETER OF ALL DETENTION EQUIPMENT  
EMBEDS, FRAMES, ESCUTCHEONS, FLANGES, SUPPORTS, HVAC SECURITY  
GRILLES, FLOOR DRAINS, TOILET FIXTURES, ETC. AGAINST CONCRETE SLAB,  
CMU WALL, AND METAL DECK CEILING SURFACES. REF. SPEC. SECTION 07 92 22.

4. PAINT ALL METAL SURFACES DETENTION EQUIPMENT INCLUDING DETENTION  
GRAB BAR ASSEMBLIES, STOOLS, ETC (EXCEPT STAINLESS STEEL) U.N.O.

5. REF. DIVISION 09 FOR HIGH PERFORMANCE COATINGS AND ROOM FINISH  
SCHEDULE FOR PAINTING REQUIREMENTS AND FINISH OF ALL DETENTION  
EQUIPMENT PROVIDED WITH PRIMER FINISH.

6. REFER TO SPEC SECTION 11 19 00 FOR  
"GENERAL PROVISIONS FOR DETENTION WORK."

7. REFER TO A- SERIES ENLARGED PLANS AND DETAILS FOR OTHER POSSIBLE  
LOCATIONS OF SECURITY GLAZING. (FOR EXAMPLE: PUBLIC LOBBY/CODE  
ENFORCEMENT, PUBLIC LOBBY/RADIO ROOM, PUBLIC LOBBY / VISITATION ETC.)

DETENTION FFE TYPE COMMENTS

NOTE 1: REFER TO G-400 FOR MOUNTING HEIGHT

SEAL

KEY PLAN

SCALE

REVISIONS

NO. DESCRIPTION DATE

DRAWN BY JN

APPROVED BY PE

CHECKED BY JN

DATE 10/29/2025

TITLE

DETENTION PLANS

PROJECT NO. 50184787

QD-110

SHEET NO.

CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

Dewberry

Dewberry Architect Inc.  
1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244





SEAL

## KEY PLAN

SCALE

## REVISIONS

[illegible]

DRAWN BY JN

APPROVED BY PE

CHECKED BY \_\_\_\_\_ .IN \_\_\_\_\_

DATE 10/29/2025

TITLE

## DETENTION ELEVATIONS

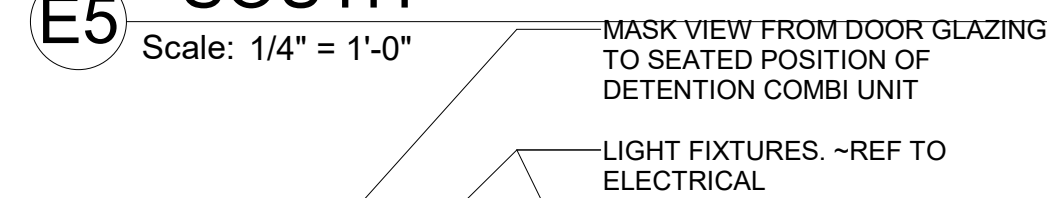
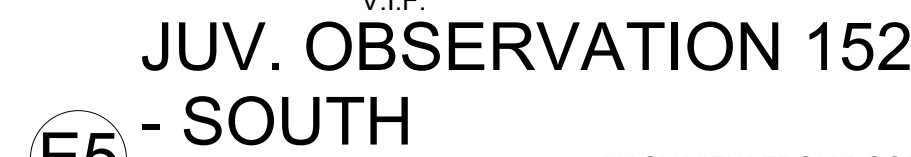
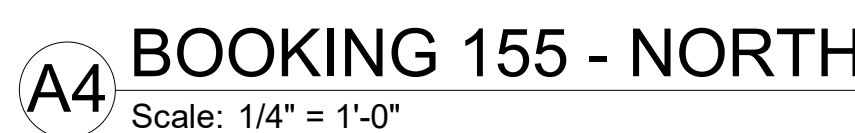
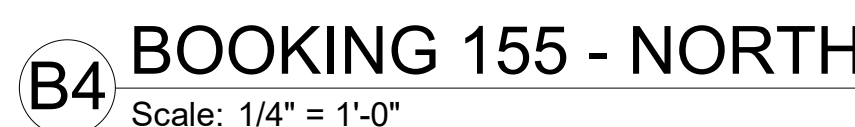
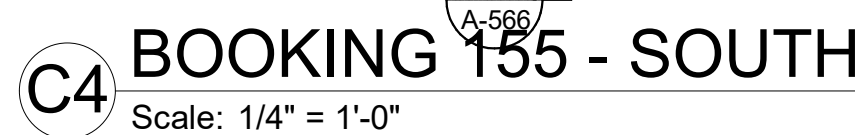
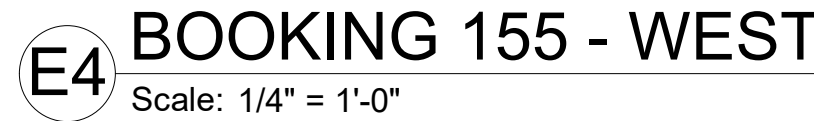
PROJECT NO. 50184767

QD-401

SHEET NO.

## DETENTION GENERAL NOTES

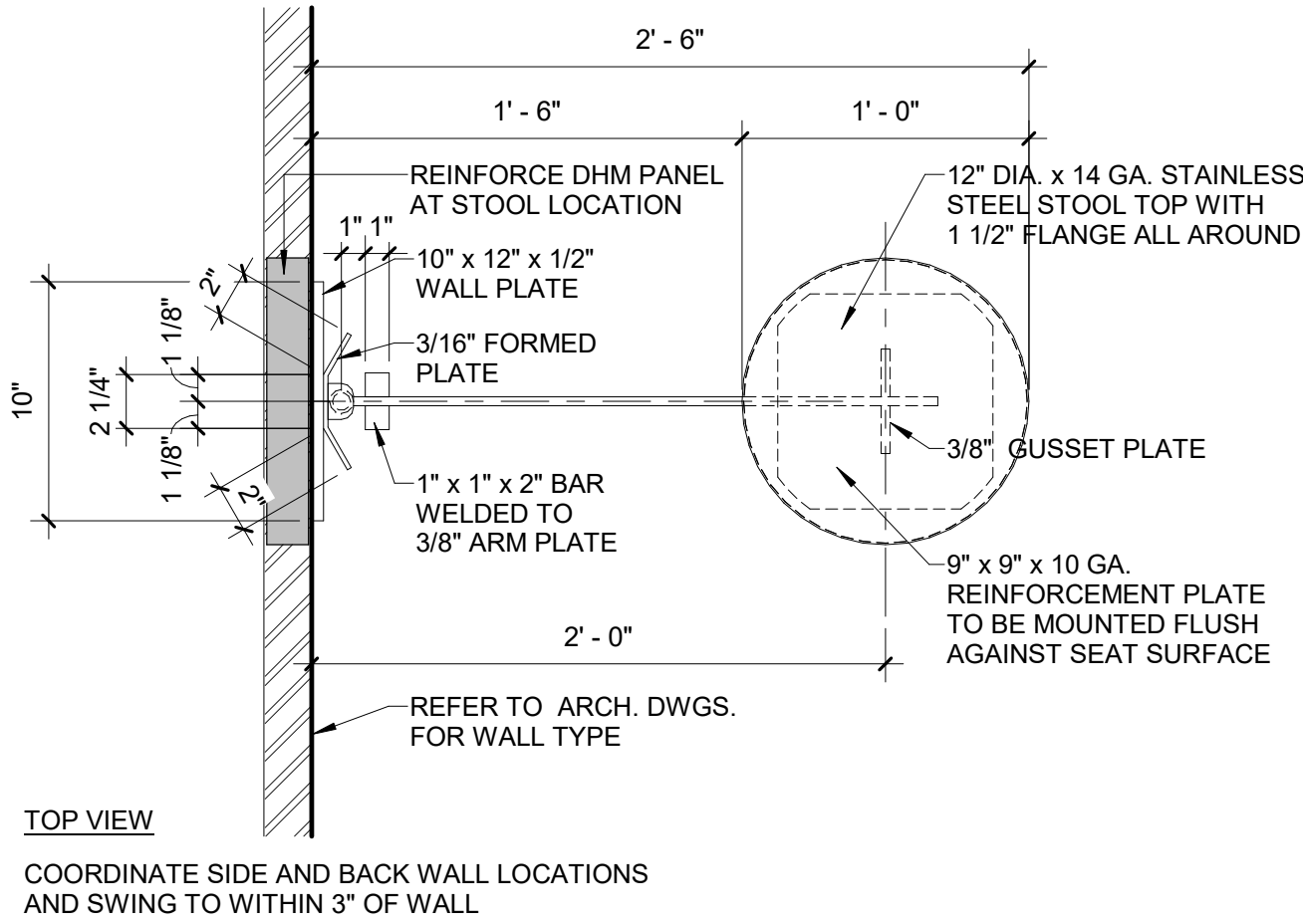
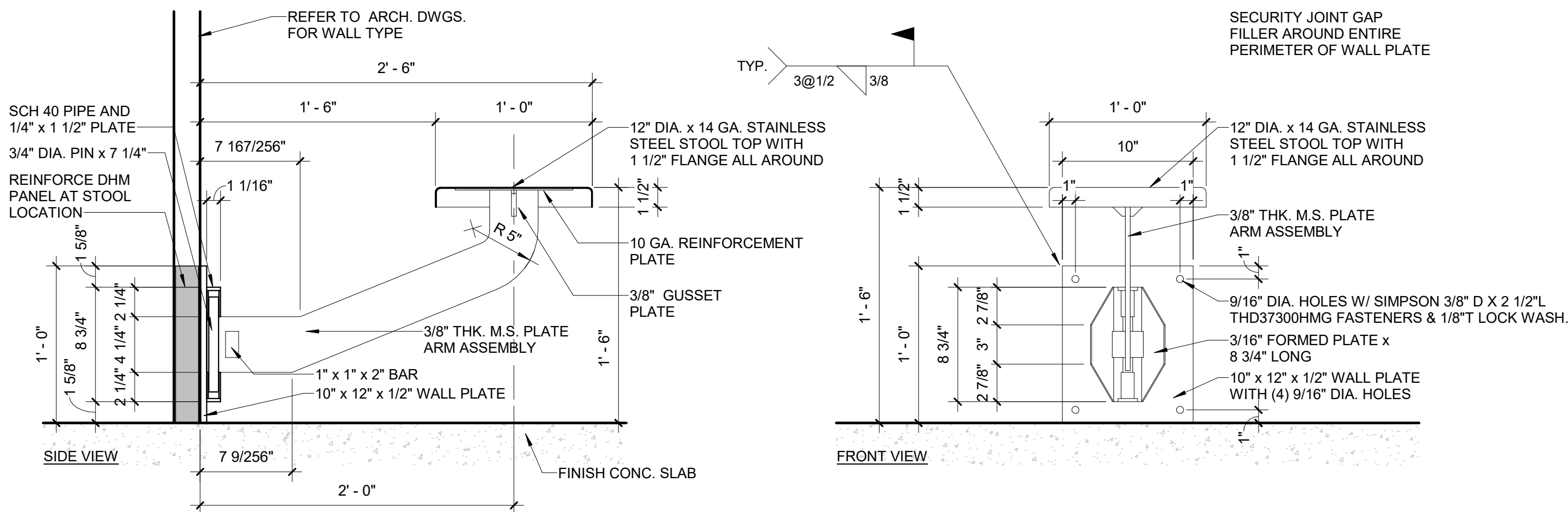
1. EXACT LOCATION AND LAYOUT OF ALL DETENTION FURNISHINGS AND EQUIPMENT SHALL BE COORDINATED BY THE G.C. AND REVIEWED BY THE ARCHITECT PRIOR TO INSTALLATION.
2. REFERENCE SPECIFICATIONS SECTION 11 91 43 - DETENTION FURNISHINGS AND EQUIPMENT FOR JAILMENT.
3. PROVIDE SECURITY SEALANT AT PERIMETER OF ALL DETENTION EQUIPMENT EMBEDS, FRAMES, ESCUTCHEONS, FLANGES, SUPPORTS, HVAC SECURITY GRILLS, FLOOR DRAINS, TOILET FIXTURES, ETC. AGAINST CONCRETE SLAB, CURB WALL, AND METAL DECK FLOOR SURFACES. REF. SPEC. SECTION 07 92 22.
4. PAINT METAL SURFACE DETENTION EQUIPMENT INCLUDING DETENTION GRAB BAR, METAL STUOL, ETC. **ACCEPT STAINLESS STEEL U.N.O.**
5. REF. DIVISION 09 FOR HIGH PERFORMANCE COATINGS AND ROOM FINISH SCHEDULE FOR PAINTING REQUIREMENTS AND FINISH OF ALL DETENTION EQUIPMENT PROVIDED W/ PRIME FINISH.
6. REFER TO SPEC SECTION 11 90 00 FOR "GENERAL PROVISIONS FOR DETENTION WORK."
7. REFER TO A-SERIES ENLARGED PLANS AND DETAILS FOR OTHER POSSIBLE REQUIREMENTS. SEE SAMPLE PUBLIC LOBBY/DOOR ENFORCEMENT, PUBLIC LOBBY/RADIO ROOM, PUBLIC LOBBY/ VISITATION ETC.





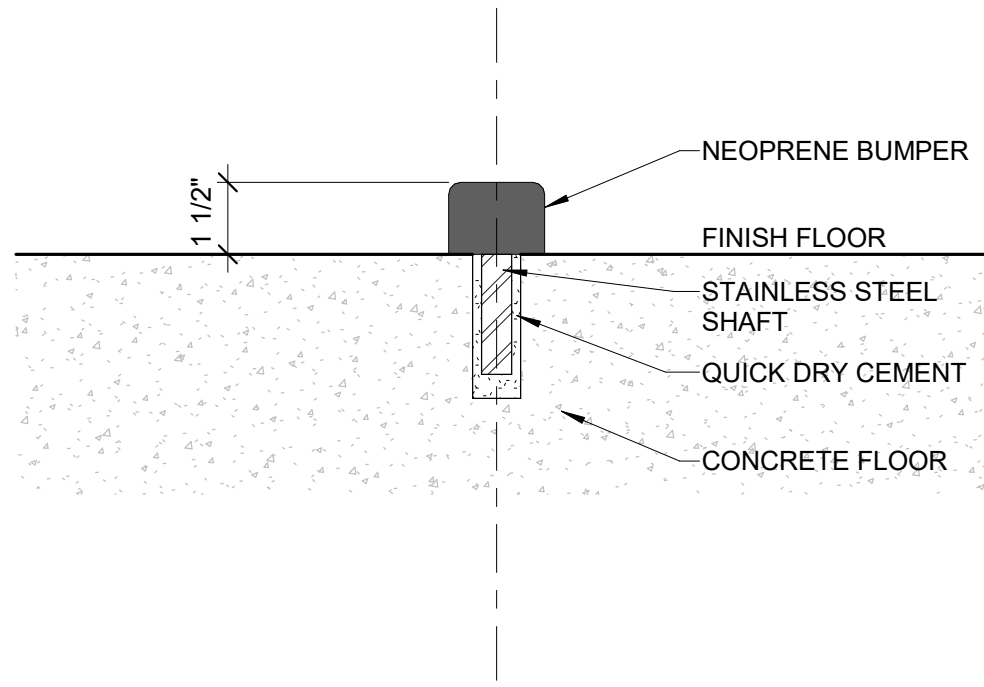
F  
E  
D  
C  
B  
A

(ST-WS) - STOOL WALL MOUNTED - SWING



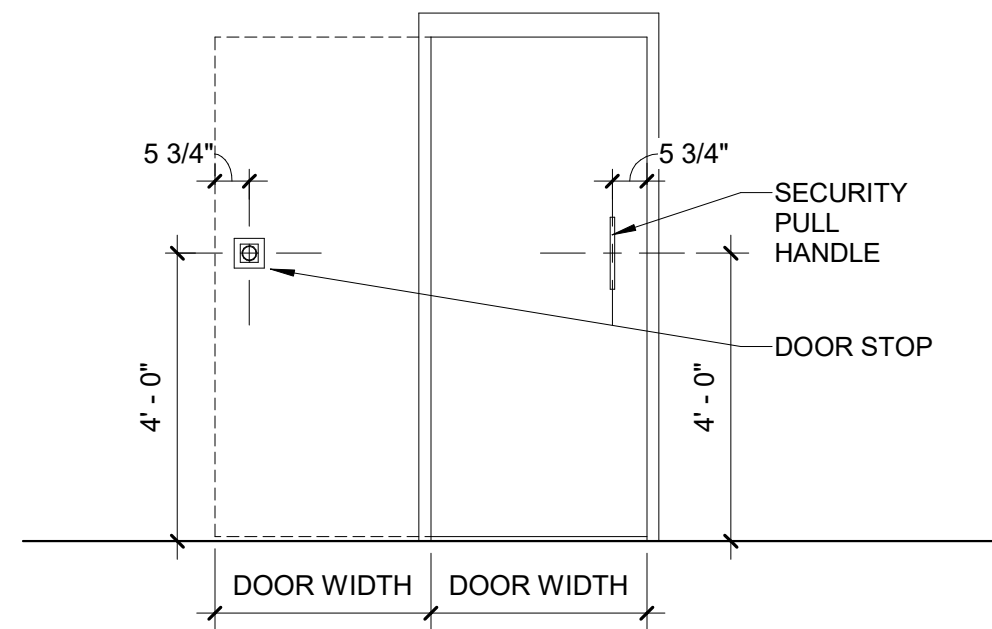
C3 DMQ - QUARTER DOME CONVEX SECURITY MIRROR

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



(DSW) - DOOR STOP - WALL MOUNT

NOTE:  
GC - VERIFY DIM. W/ SHOP DWGS.

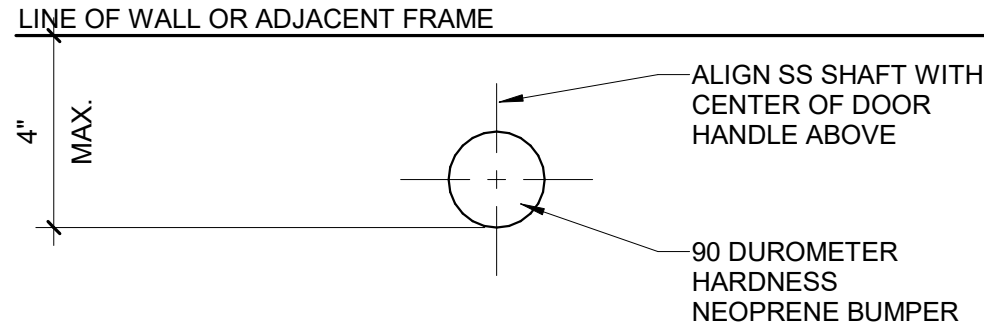


ELEVATION VIEW

D5 FLOOR MTD. DOOR STOP

Scale: 3" = 1'-0"

(DSF) - DOOR STOP - FLOOR MOUNT



PLAN VIEW

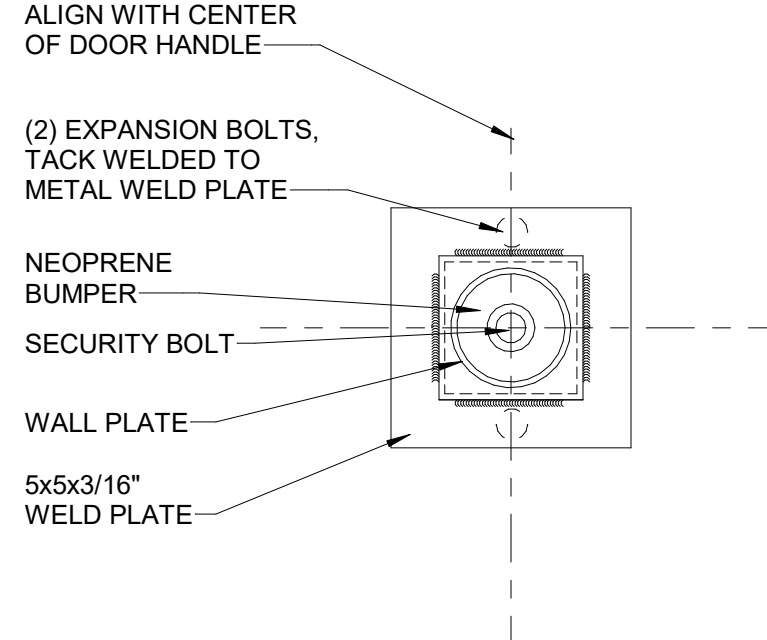
C5 FLOOR MTD. DOOR STOP

Scale: 3" = 1'-0"

ELEVATION VIEW

D6 WALL MTD. DOOR STOP

Scale: 3/8" = 1'-0"

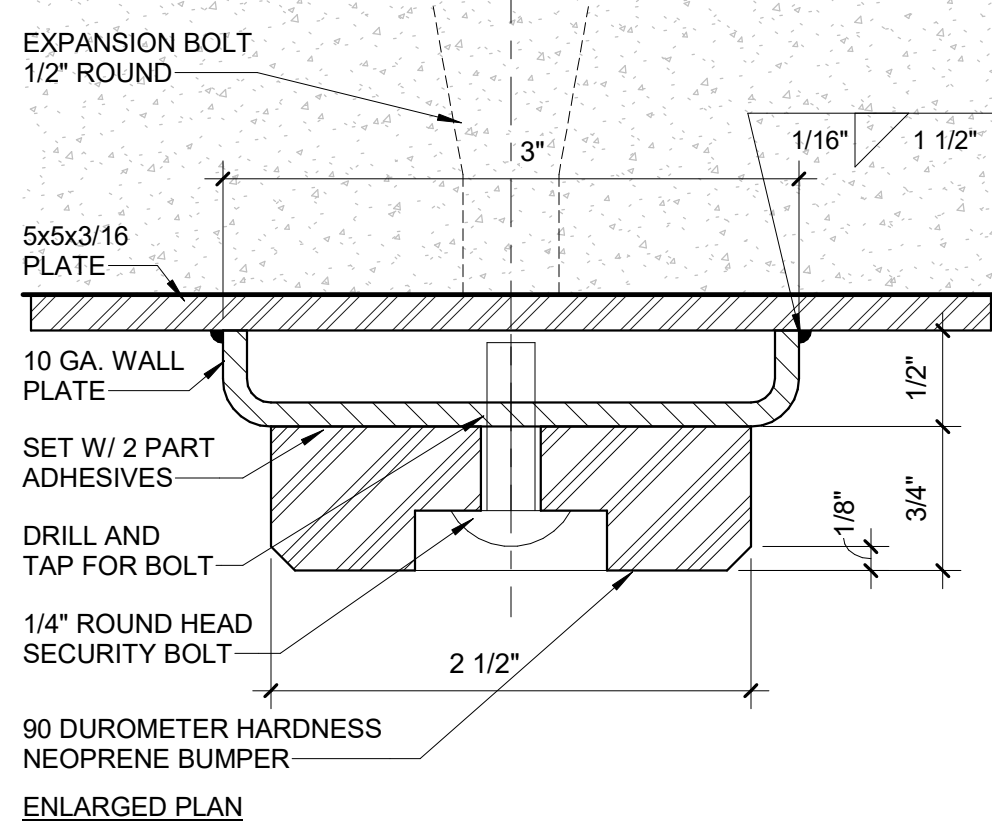


ELEVATION VIEW

C6 WALL MTD. DOOR STOP

Scale: 3" = 1'-0"

(DSW) - DOOR STOP - WALL MOUNT



B6 WALL MTD. DOOR STOP

Scale: 12" = 1'-0"

DETENTION GENERAL NOTES

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4. PAINT ALL METAL SURFACES DETENTION EQUIPMENT INCLUDING DETENTION GRAB BAR ASSEMBLIES, STOOLS, ETC. (*EXCEPT STAINLESS STEEL*) *U.N.O.*
5. REF. DIVISION 09 FOR HIGH PERFORMANCE COATINGS AND ROOM FINISH SCHEDULE FOR PAINTING REQUIREMENTS AND FINISH OF ALL DETENTION EQUIPMENT PROVIDED W/ PRIMED FINISH.
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Dewberry Architect Inc.

1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY                      JN  
APPROVED BY                    PE  
CHECKED BY                    JN  
DATE                      10/29/2025  
TITLE                     

DETENTION  
DETAILS

PROJECT NO. 50184767

QD-571

SHEET NO.

10/29/2025 2:13:05 PM



1 2 3 4 5 6



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1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

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KEY PLAN

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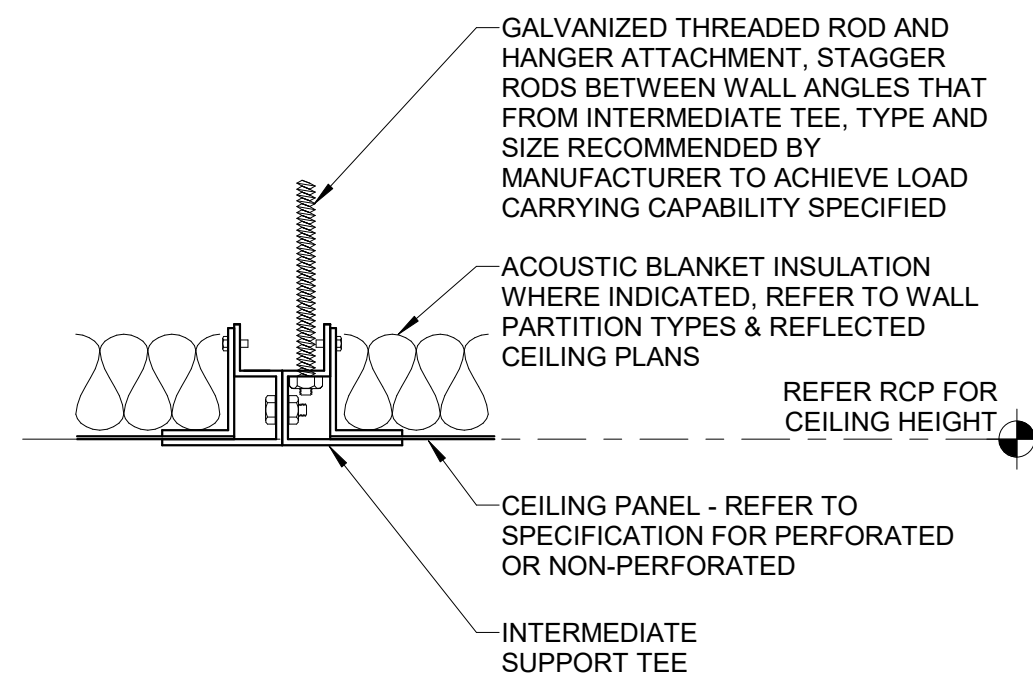
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DETENTION  
DETAILS

PROJECT NO. 50184767

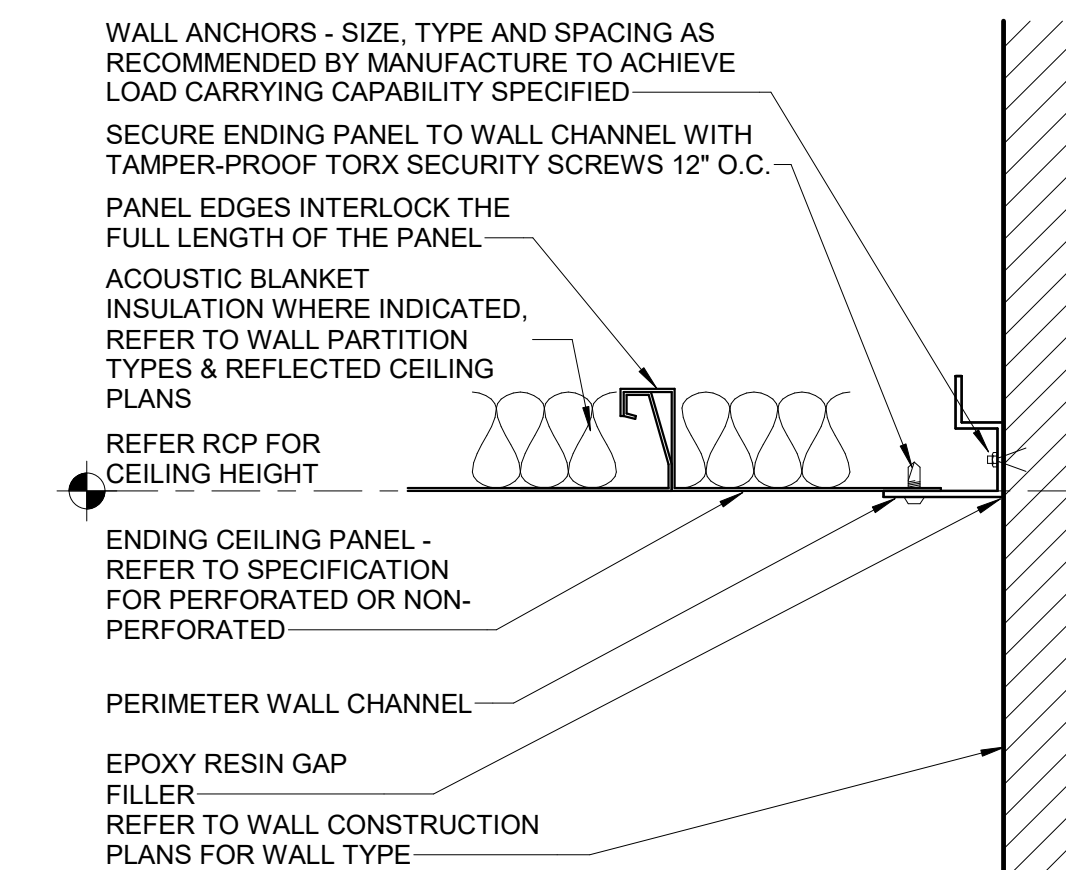
QD-572

SHEET NO.



### SMC-1 - SECURITY METAL CEILING - INTERMEDIATE SUPPORT

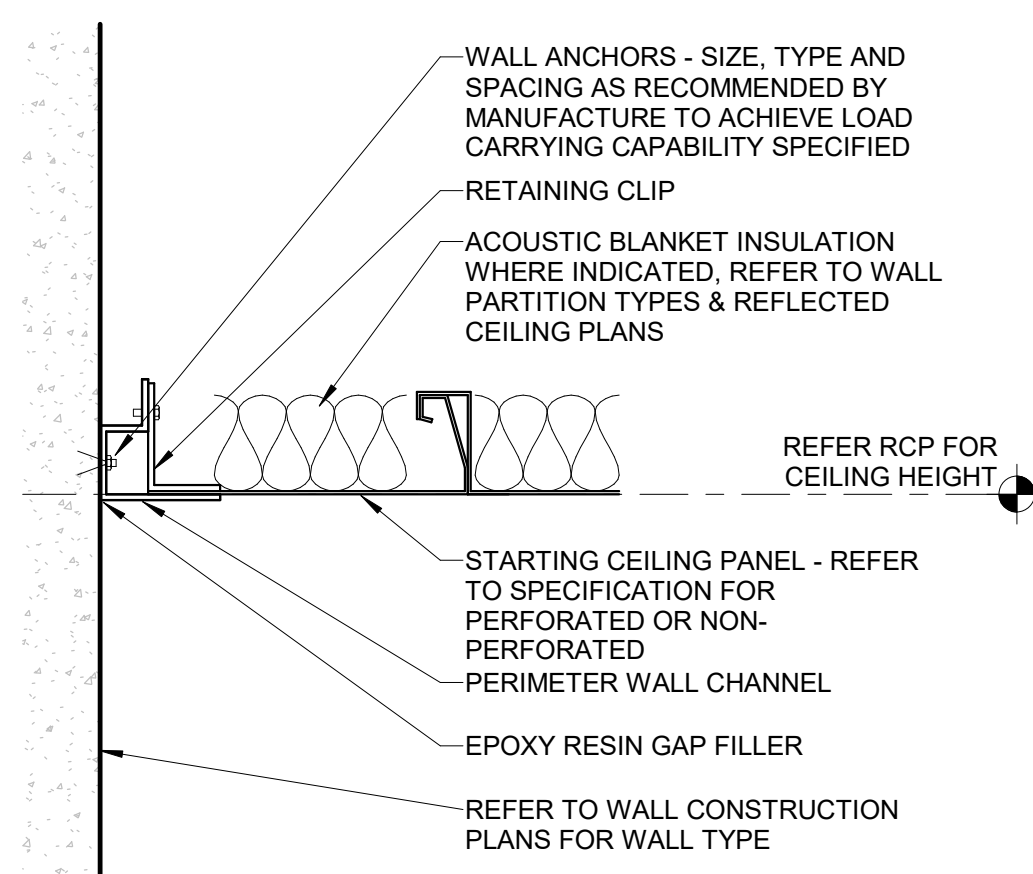
D6 Scale: 3" = 1'-0"



### SMC-2 SINGLE SKIN - EDGE CONDITION

### SMC-1 - SECURITY METAL CEILING - EDGE CONDITION

C6 Scale: 3" = 1'-0"

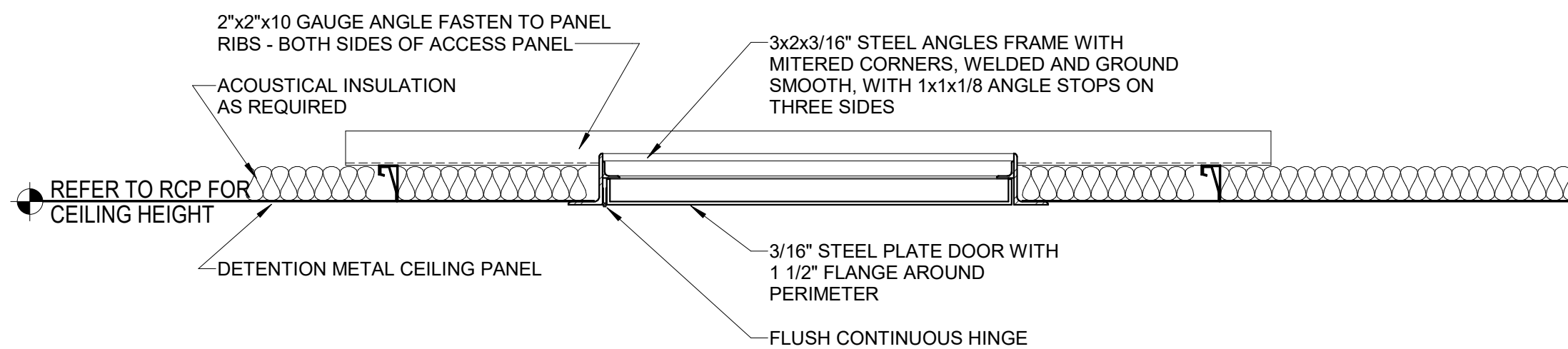


### SMC-1 - SECURITY METAL CEILING - STARTING

B6 Scale: 3" = 1'-0"

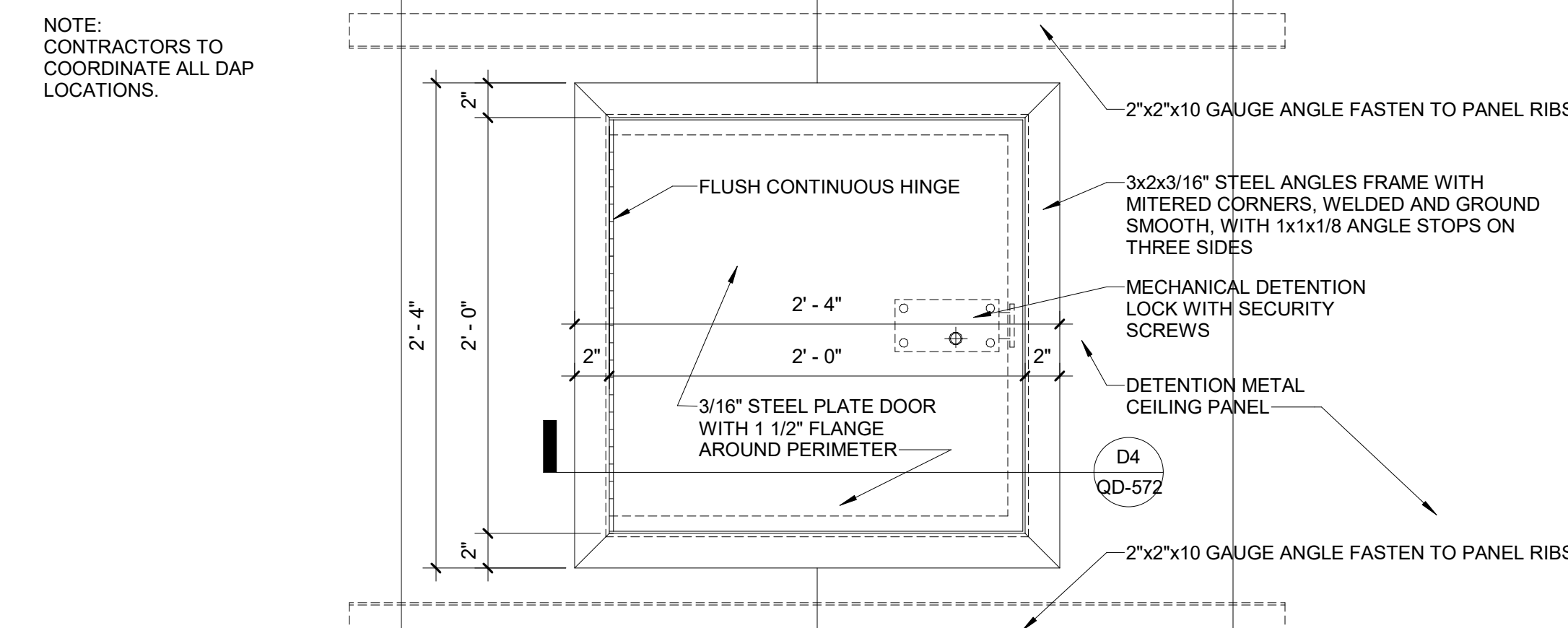
### DETENTION GENERAL NOTES

- EXACT LOCATION AND LAYOUT OF ALL DETENTION FURNISHINGS AND EQUIPMENT SHALL BE COORDINATED BY THE G.C. AND REVIEWED BY THE ARCHITECT PRIOR TO INSTALLATION.
- REFERENCE SPECIFICATIONS SECTION 11 19 43 - DETENTION FURNISHINGS AND EQUIPMENT FOR ALL DETENTION EQUIPMENT.
- PROVIDE SECURITY SEALANT AT PERIMETER OF ALL DETENTION EQUIPMENT EMBEDS, FRAMES, ESCUTCHEONS, FLANGES, SUPPORTS, HVAC SECURITY GRILLES, FLOOR DRAINS, TOILET FIXTURES, ETC., AGAINST CONCRETE SLAB, CMU WALL, AND METAL DECK CEILING SURFACES. REF. SPEC. SECTION 07 92 22.
- PAIN ALL METAL SURFACES DETENTION EQUIPMENT INCLUDING DETENTION GRAB BAR ASSEMBLIES, STOOLS, ETC. **(EXCEPT STAINLESS STEEL) U.N.O.**
- REF. DIVISION 09 FOR HIGH PERFORMANCE COATINGS AND ROOM FINISH SCHEDULE FOR PAINTING REQUIREMENTS AND FINISH OF ALL DETENTION EQUIPMENT PROVIDED W/ PRIMED FINISH.
- REFER TO SPEC SECTION 11 19 00 FOR "GENERAL PROVISIONS FOR DETENTION WORK."
- REFER TO A- SERIES ENLARGED PLANS AND DETAILS FOR OTHER POSSIBLE LOCATIONS OF SECURITY GLAZING. **(FOR EXAMPLE: PUBLIC LOBBY/CODE ENFORCEMENT, PUBLIC LOBBY/RADIO ROOM, PUBLIC LOBBY / VISITATION ETC.)**



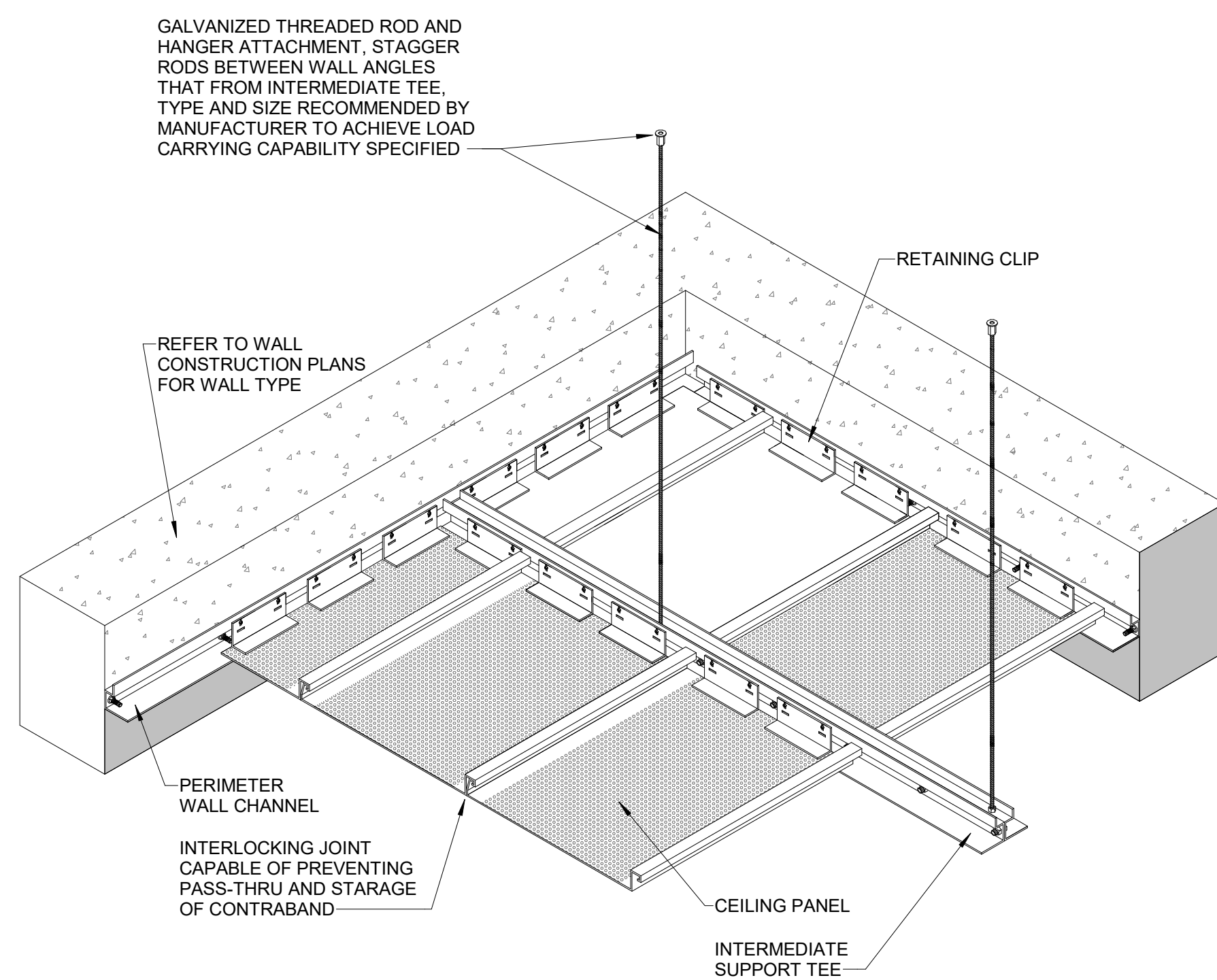
### D4 DETENTION METAL CEILING - ACCESS PANEL - SECTION

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



### C4 DETENTION METAL CEILING - ACCESS PANEL - ELEVATION

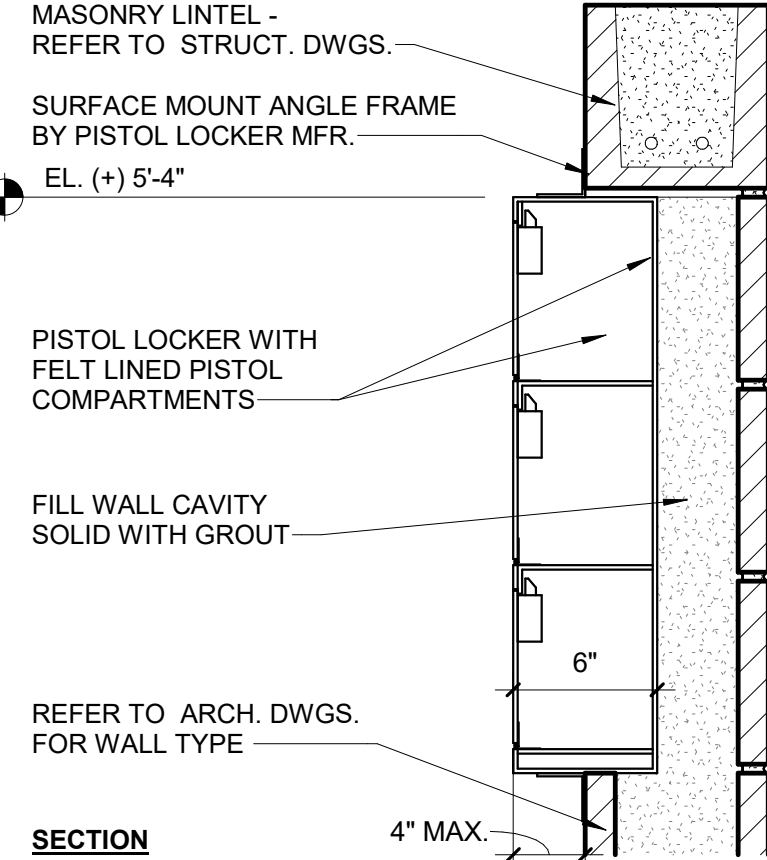
Scale: 1 1/2" = 1'-0"



### A4 SECURITY CEILING SYSTEM COMPONENTS

Scale: 3" = 1'-0"

### L-P\_SR - PISTOL LOCKER - SEMI-RECESSED

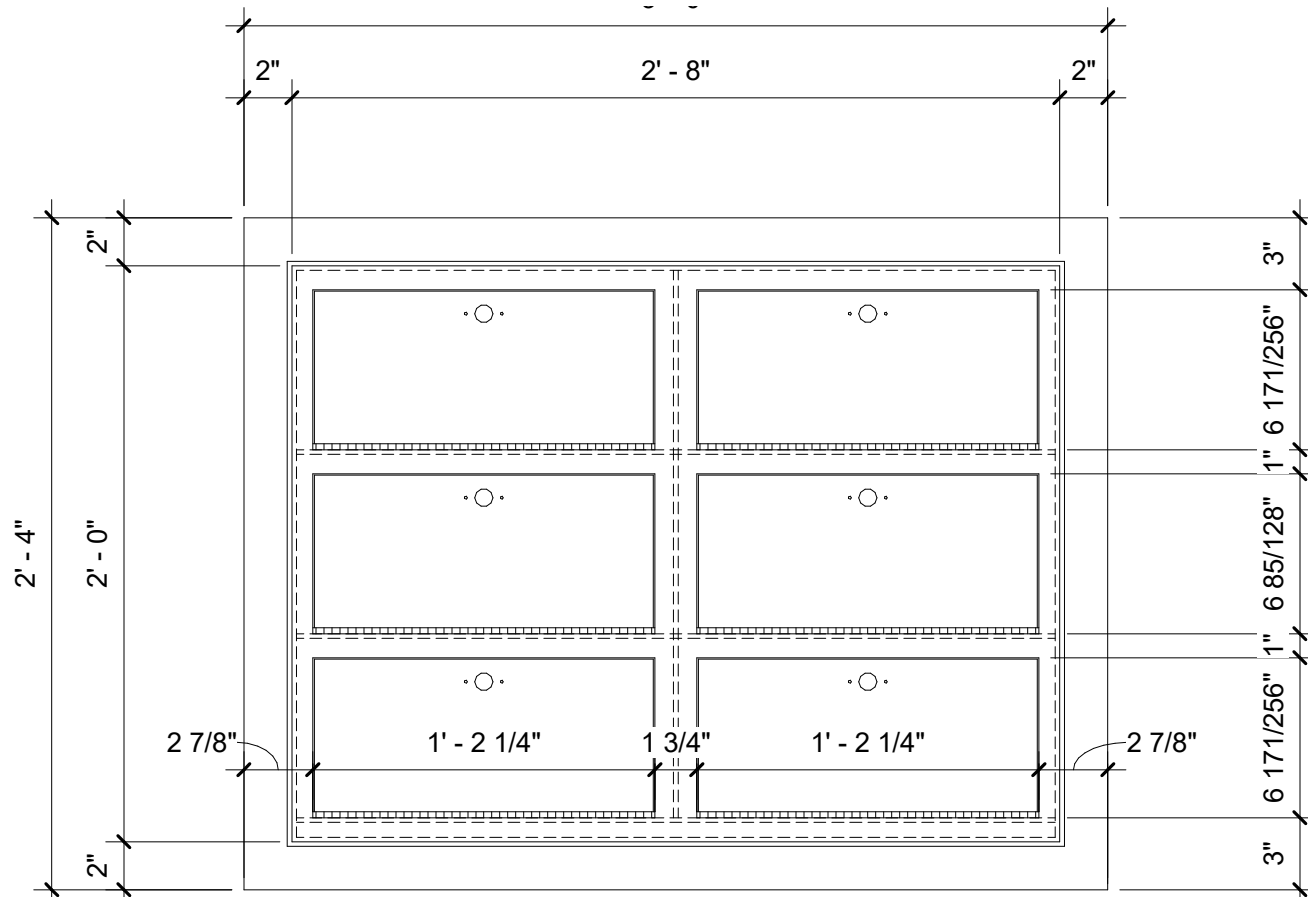


### (L-P\_SR) - PISTOL LOCKER - SEMI-RECESSED - SECTION

B2 Scale: 1 1/2" = 1'-0"

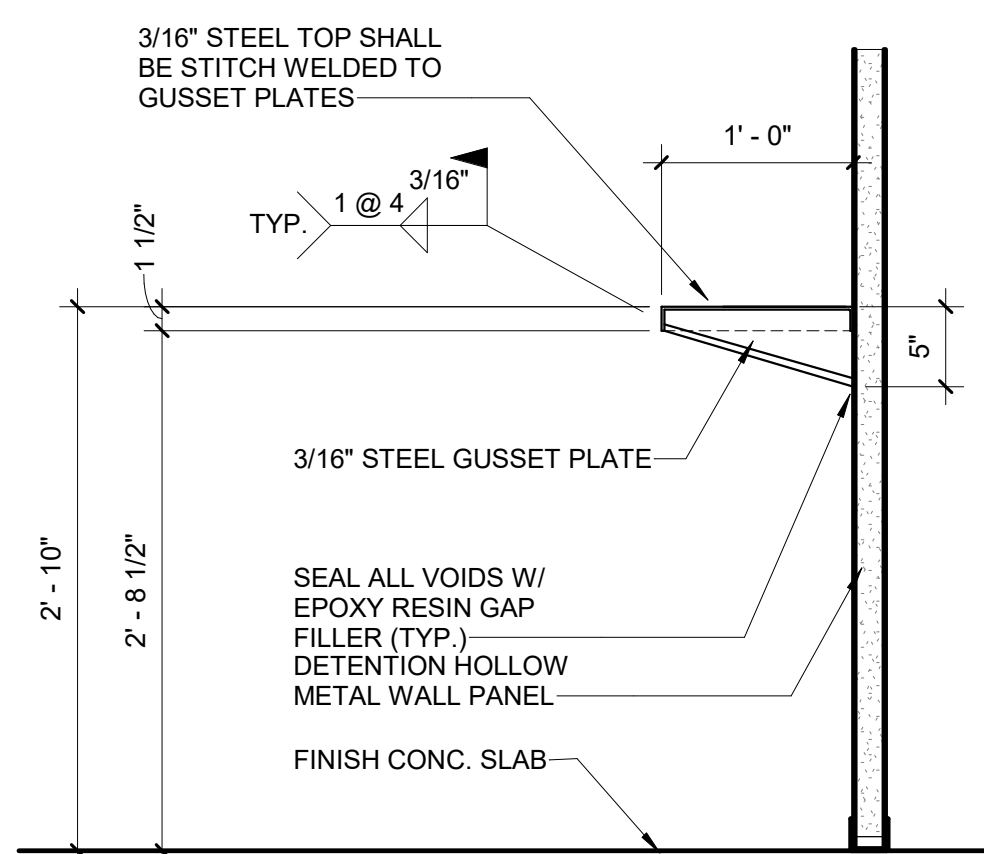
### L-P6SR - PISTOL LOCKER - 6 COMPARTMENT - SEMI RECESS MOUNTED

ELEVATION



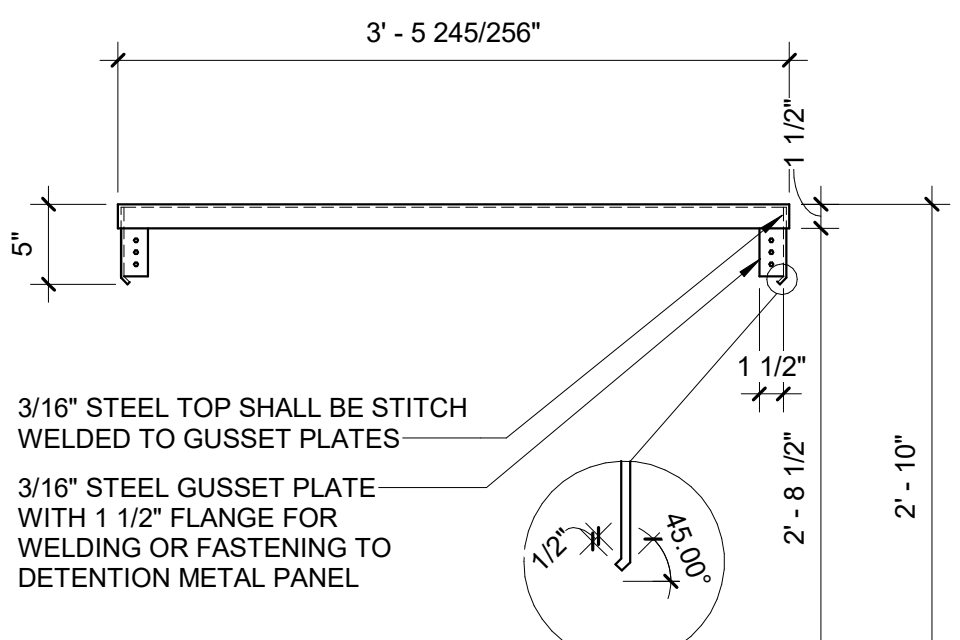
### (L-P6SR) - PISTOL LOCKER - 6 COMPARTMENT - SEMI RECESS MOUNTED - ELEVATION

A1 Scale: 1 1/2" = 1'-0"



SECTION

(DWP) DETENTION SHELF AT WALL PANEL



FRONT ELEVATION

### (DSWM) DETENTION SHELF WALL MOUNTED

A3 Scale: 1" = 1'-0"









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1760 Creekside Oaks Dr #280  
Sacramento, CA 95833  
916.239.7244

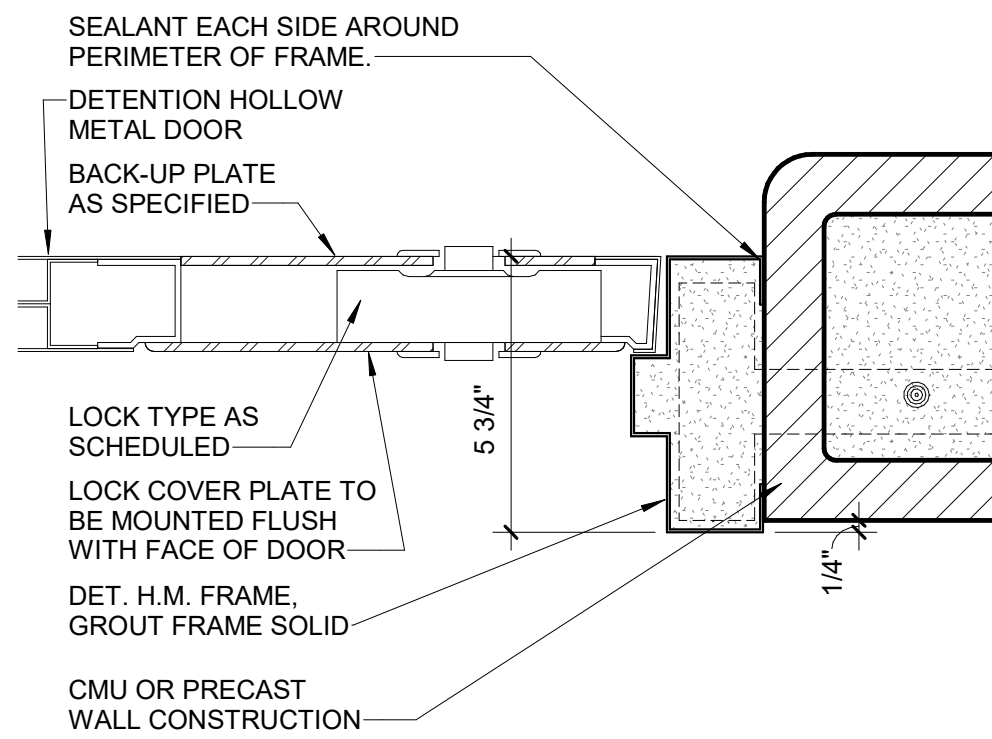
CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

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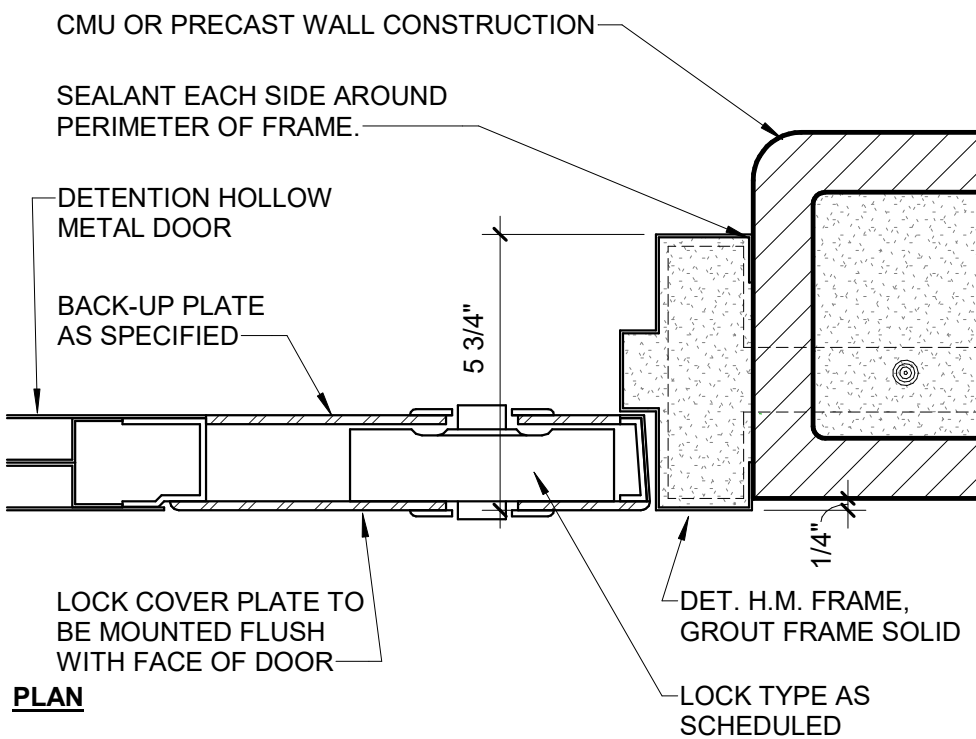
100% CONSTRUCTION DOCUMENT

TYP. DOOR SECTION WITH COVER PLATE ON STOP SIDE



D5 DOOR JAMB - COVER PLATE STOP SIDE  
Scale: 3" = 1'-0"

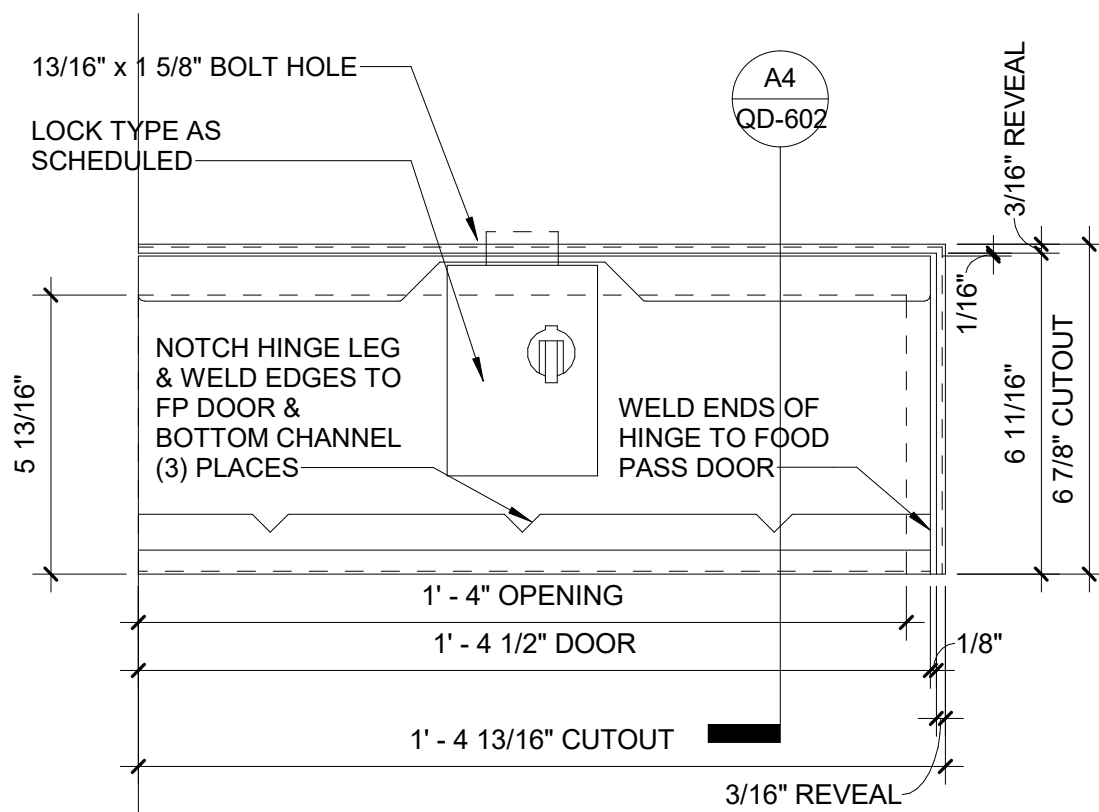
TYP. DOOR SECTION WITH COVER PLATE ON HINGE SIDE



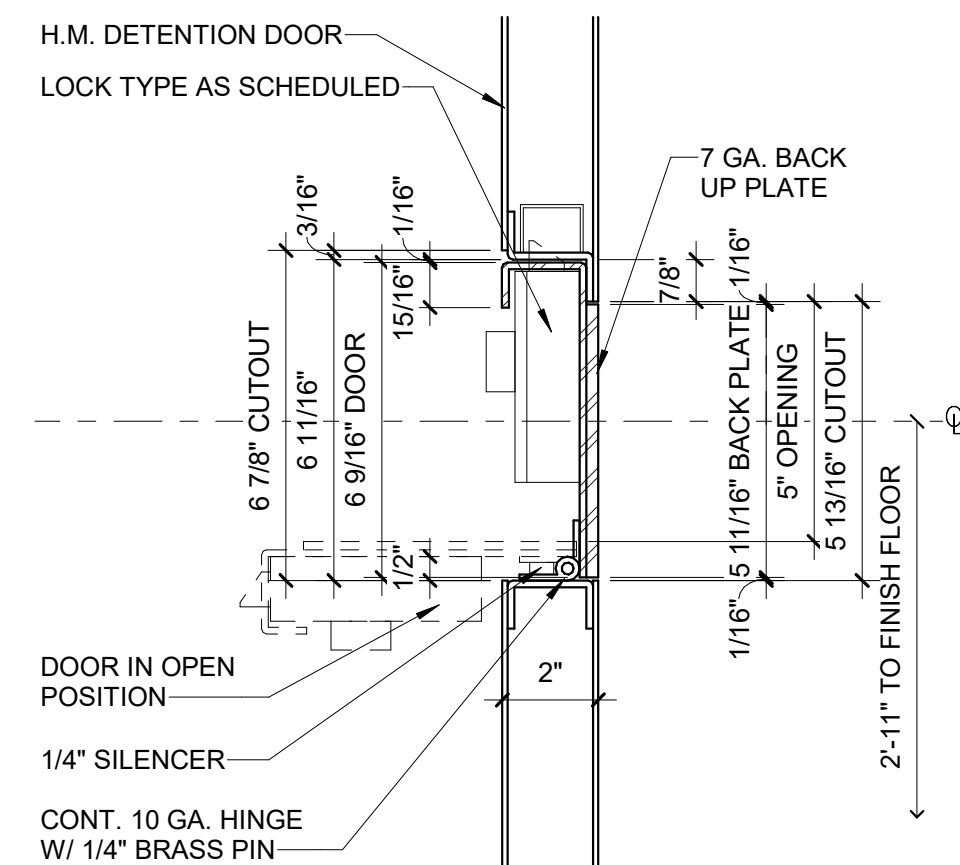
D6 DOOR JAMB - COVER PLATE HINGE SIDE  
Scale: 3" = 1'-0"

NOTE:  
H.M. FRAME MANUFACTURER TO  
COORDINATE BOX AND CONDUIT  
SIZES WITH RESPECTIVE  
MANUFACTURERS AND INSTALLERS

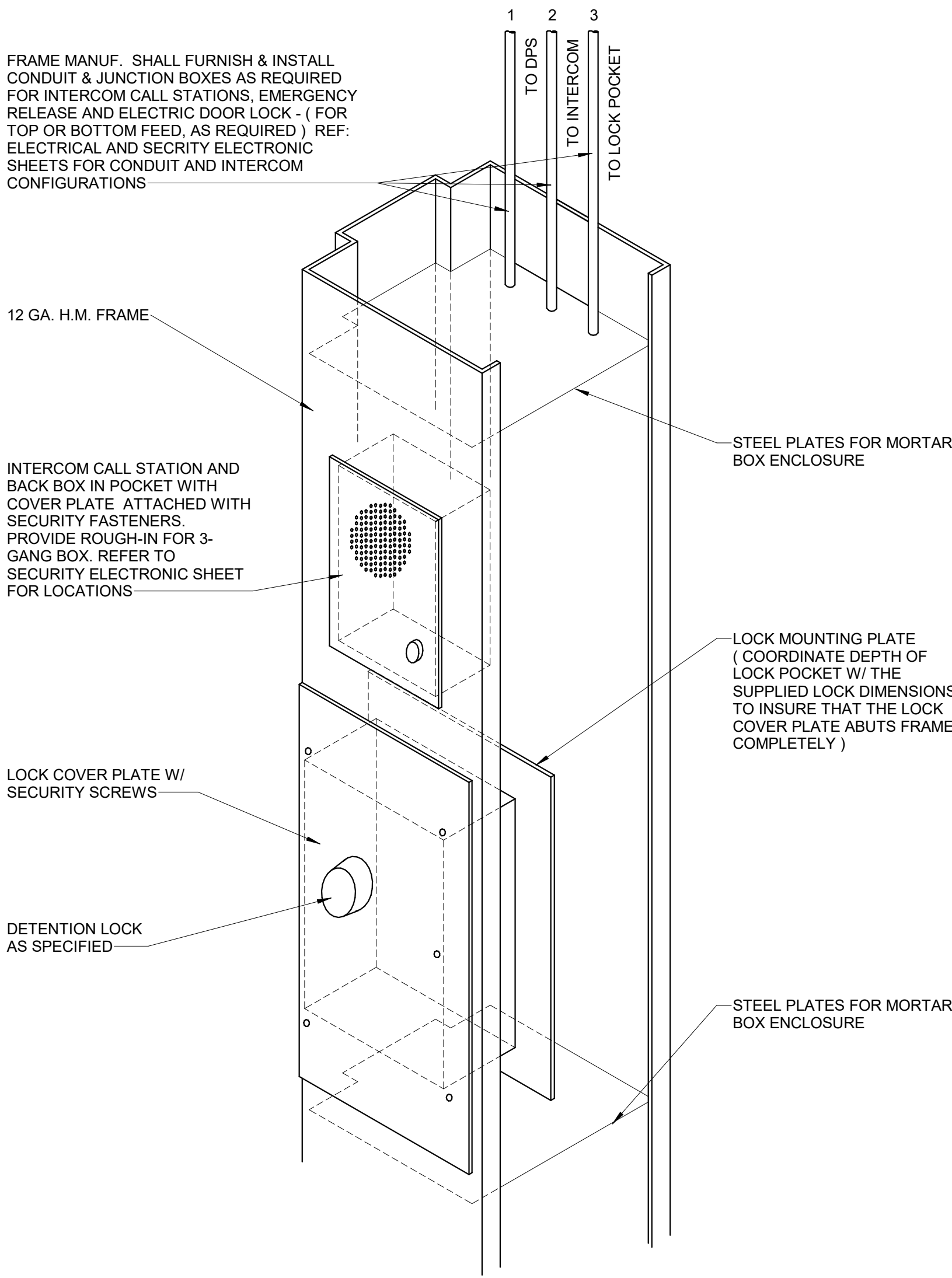
FRAME MANUF. SHALL FURNISH & INSTALL  
CONDUIT & JUNCTION BOXES AS REQUIRED  
FOR INTERCOM CALL STATIONS, EMERGENCY  
RELEASE AND ELECTRIC DOOR LOCK - ( FOR  
TOP OR BOTTOM FEED, AS REQUIRED ) REF:  
ELECTRICAL AND SECURITY ELECTRONIC  
SHEETS FOR CONDUIT AND INTERCOM  
CONFIGURATIONS



B4 SLIDING DOOR FOOD PASS ELEVATION  
Scale: 3" = 1'-0"



A4 FOOD/ CUFF PASS SECTION  
Scale: 3" = 1'-0"



A5 TYPICAL LOCK POCKET ISOMETRIC  
Scale: 3" = 1'-0"

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ JN  
APPROVED BY \_\_\_\_\_ PE  
CHECKED BY \_\_\_\_\_ JN  
DATE 10/29/2025

TITLE  
DETENTION  
DOOR DETAILS

PROJECT NO. 50184767

QD-602

SHEET NO.







A

B

C

D

E

F

NUTS FOR BOLTS AND MACHINE BOLTS:.....  
HARDENED WASHERS.....  
UNHARDENED WASHERS.....  
PLAIN WASHERS:.....  
BEVELED WASHERS:.....

ASTM A563  
ASTM F436  
ASTM F844  
ANSI B18.22.1  
ANSI B18.23.1

6. ALL ANCHOR BOLTS SHALL COMPLY WITH ASTM F1554, GRADE AS INDICATED. PROVIDE A 3" MINIMUM CONCRETE COVER AROUND ALL ANCHOR BOLTS, TYP. UON.
7. ALL BOLT HOLES IN STRUCTURAL STEEL SHALL BE PUNCHED OR DRILLED. NO TORCHING OR FLAME-CUTTING OF HOLES IS ALLOWED. BOLT HOLES SHALL BE STANDARD SIZE IN ACCORDANCE WITH AISC SPECIFICATIONS. UON.
8. ALL HIGH STRENGTH BOLTS SHALL BE SNUG TIGHT ONLY UON ON THE DRAWINGS AS SLIP CRITICAL (SC). ALL BOLTED CONNECTIONS NOTED AS SLIP CRITICAL SHALL BE FULLY TENSIONED IN ACCORDANCE WITH THE SPECIFICATIONS.
9. SLIP CRITICAL CONNECTIONS ARE REQUIRED AT ALL BRACED FRAME CONNECTIONS, AT ALL CONNECTIONS ALONG CHORD LINES AND DRAG LINES AS NOTED ON PLANS, AND UON AT ALL BOLTS IN OVERSIDED OR SLOTTED HOLES.
10. PLACE NON-SHRINK GROUT UNDER ALL BASE PLATES BEFORE ADDING VERTICAL LOAD.
11. STRUCTURAL STEEL BELOW GRADE SHALL HAVE 3 INCHES MINIMUM OF CONCRETE COVER.

12. WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY (AWS) SPECIFICATIONS AND SHALL ONLY BE PERFORMED BY CERTIFIED WELDERS.
13. WELDING MATERIALS SHALL BE PER AWS D1.1 AND D.18, AND MEET THE FOLLOWING REQUIREMENTS:  
A. WELDING ELECTRODES SHALL BE E70XX SERIES AS REQUIRED FOR INTENDED USE.  
B. THE USE OF E70T-4 WELDING WIRE IS NOT ALLOWED FOR ANY APPLICATION.  
C. SEISMIC FORCE RESISTING SYSTEM AND DEMAND CRITICAL WELDS SHALL COMPLY WITH AWS D1.8, CLAUSE 6.3.

14. SEISMIC FORCE RESISTING SYSTEM (SFRS) WELDS USED FOR CONNECTIONS ARE:  
A. MOMENT/RESIST FRAME COLUMN SPICES AND BASE PLATE CONNECTIONS.  
B. MOMENT FRAME BEAM-TO-COLUMN CONNECTIONS.  
C. COLLECTOR BEAM END CONNECTIONS.  
D. CONNECTIONS AS DESIGNATED ON DRAWINGS.

15. A WELDING SEQUENCE SHALL BE PLANNED TO MINIMIZE RESIDUAL STRESSES AND DISTORTIONS OF INDIVIDUAL MEMBERS AND THE BUILDING FRAME.

16. DO NOT WELD ANY STRUCTURAL STEEL MEMBER OR CONNECTION UNLESS SPECIFICALLY CALL OUT IN THE CONTRACT DOCUMENTS.

17. ALL WELDS SHALL BE UNIFORM IN SIZE AND APPEARANCE AND FREE OF PINHOLES, POROSITY, UNDERCUTTING OR OTHER DEFECTS.

18. WELD SYMBOLS SHOW FINAL WELD REQUIRED. THE CHOICE TO WELD IN THE FIELD OR IN THE SHOP SHALL BE UP TO THE CONTRACTOR AND SHALL BE INDICATED IN THE FABRICATOR'S SHOP DRAWINGS.

19. MINIMUM FILLET WELDS SHALL BE PER TABLE J2.4 OF AISC 360.

20. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED.

21. ALL GROOVE OR BUTT WELDS TO BE COMPLETE PENETRATION. UON.

22. PROVIDE TEMPORARY BACK-UP PLATES OR WELDS AT ALL COMPLETE JOINT PENETRATION (CJP) WELD LOCATIONS AS REQUIRED. REMOVE PLATES AFTER CJP WELDING AND GRIND AREA SMOOTH WHERE EXPOSED.

23. ALL EXPOSED WELDS SHALL BE GROUND SMOOTH.

24. SEISMIC LOAD RESISTING SYSTEM (SLRS) CONNECTIONS TO UTILIZE ELECTRODES WITH A MINIMUM CHARPY V-NOTCH (CVN) TEST VALUES OF 20 FT-LBS AT -20 DEGREES FAHRENHEIT, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION, AND WHERE WELDS ARE DESIGNATED CVN.

25. WRITTEN WELDING PROCEDURE SPECIFICATIONS (WPS) PER THE RECOMMENDATIONS OF THE AMERICAN WELDING SOCIETY (AWS) SHALL BE DEVELOPED BY THE FABRICATOR/ERECTOR AND SUBMITTED FOR REVIEW BY THE ENGINEER PRIOR TO ANY WELDING OF THE STRUCTURAL STEEL. THE WELDING PROCEDURES SHALL INCLUDE ALL THE WELDED JOINTS AND CONFIGURATIONS TO BE USED ON THIS PROJECT. ONLY WPS RELEVANT TO THIS PROJECT SHALL BE SUBMITTED. ALL WELDED JOINTS SHALL BE PRE-QUALIFIED PER AWS OR BE QUALIFIED BY TEST PER AWS. A PROCEDURE QUALIFICATION RECORD (PQR) SHALL BE INCLUDED WITH THE WPS IF THE WELDING PROCEDURE OR JOINT IS QUALIFIED BY TESTING. THE ELECTRODE MANUFACTURER AND PRODUCT NAME SHALL BE IDENTIFIED IN THE WPS IN ADDITION TO THE AWS ELECTRODE CLASSIFICATION NAME. A COPY OF THE ELECTRODE MANUFACTURER'S TECHNICAL DATA SHEETS WITH THE RECOMMENDED WELDING PARAMETERS SHALL BE SUBMITTED WITH THE WPS.

26. SPECIAL WELD PROCEDURES WILL BE REQUIRED WHERE WELDING TO EXISTING STRUCTURAL STEEL IS REQUIRED. THE WELD PROCEDURES SHALL BE PROPOSED BY THE CONTRACTOR AND SUBMITTED FOR REVIEW BY THE ENGINEER. PROCEDURES FOR WELDING TO EXISTING STRUCTURAL STEEL SHALL BE PRE-QUALIFIED BY THE OWNER'S TESTING AGENCY IN ACCORDANCE WITH AWS D1.1.

27. ALL STEEL SHALL BE THOROUGHLY CLEANED, REMOVING ALL LOOSE MILL SCALE, GREASE, DIRT AND FOREIGN MATTER BY SCRAPING OR SANDBLASTING.

28. PENETRATIONS THROUGH STRUCTURAL STEEL MEMBERS ARE NOT ALLOWED EXCEPT AS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS.

29. CAMBER SHALL BE PROVIDED AS FOLLOWS:  
A. PROVIDE UPWARD CAMBER TO ALL MEMBERS SHOWN TO HAVE CAMBER. AMOUNT MEASURED IN SHOP PRIOR TO INSTALLATION SHALL NOT DEVIATE MORE THAN ALLOWED BY AISC SPECIFICATIONS.  
B. BEAMS WITHOUT SPECIFIED CAMBER SHALL BE FABRICATED SO THAT AFTER ERECTION, ANY MINOR CAMBER DUE TO ROLLING OR SHOP ASSEMBLY SHALL BE UPWARD, EXCEPT AT CANTILEVERS. AT CANTILEVERS, PROVIDE CAMBER SUCH THAT TIP OF CANTILEVER IS ABOVE FINAL ELEVATION.

30. ALL STIFFENER PLATES SHALL BE 3/8" MINIMUM. UON.

31. SPLICE MEMBERS ONLY WHERE SPECIFICALLY INDICATED.

32. ERECTION CLIPS, TEMPORARY BRACING, ETC. ARE NOT SHOWN AND SHALL BE PROVIDED BY THE CONTRACTOR.

33. ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT OF ZINC CHROMATE PRIMER OR EQUAL. AFTER ERECTION, FIELD CONNECTIONS SHALL BE TOUCHED UP. DO NOT PAINT PORTIONS OF STEEL TO BE EMBEDDED IN CONCRETE, AT HEADED ANCHOR STUD LOCATIONS, OR AREAS TO BE WELDED OR RECEIVE FIREPROOFING.
34. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PAINTING AND OTHER COATING REQUIREMENTS.

35. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153. REPAIR GALVANIZING AFTER WELDING IN ACCORDANCE WITH ASTM A780. ALL TUBES AND/OR PIPES SHALL HAVE WELDED CAP PLATES TO SEAL EXPOSED ENDS.
36. STRUCTURAL STEEL AND CONNECTIONS EXPOSED TO VIEW IN THE COMPLETED STRUCTURE ARE DESIGNATED ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) IN THE DRAWINGS. UON. AESS TO MEET THE REQUIREMENTS OF AISC 303 AND THE DESIGNATION GIVEN IN THE DRAWINGS.

## METAL DECKING

1. METAL DECKING CONSTRUCTION SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE, LATEST EDITION UON IN THE DESIGN BASIS NOTES.
2. ALL ROOF AND FLOOR METAL DECK AND ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM A563.
3. METAL DECKING SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A924 COMMERCIAL COATING CLASS G-60. REPAIR DAMAGED COATING.
4. STRUCTURAL PROPERTIES SHALL BE EQUAL TO THOSE OF THE DECKING TYPE SHOWN IN THE DRAWINGS IN CONFORMANCE WITH REFERENCED ICC-ES REPORTS.
5. THE MINIMUM BASE THICKNESS OF METAL SHALL BE AS SHOWN.
6. METAL DECKING SHALL BE CONTINUOUS OVER THREE SPANS MINIMUM. UON.
7. METAL DECK SHALL BEAR A MINIMUM OF 2" ON ALL SUPPORTING STEEL.
8. PROVIDE SUPPORT AT COLUMNS PER TYPICAL METAL DECK DETAILS.
9. WELDING OF METAL DECKING SHALL BE IN ACCORDANCE WITH AWS D1.3 AND PERFORMED BY WELDERS CERTIFIED FOR LIGHT GAGE METALS.
10. METAL DECK SHALL BE ATTACHED TO ALL SUPPORTING STEEL BY WELDING AS SHOWN AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
11. SIDE LAPS OF ALL METAL DECKING PANELS SHALL BE FASTENED TOGETHER AS SHOWN IN THE DRAWINGS.
12. PROVIDE ALL CLOSURES, END PLATES, PROFILE PLATES AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. WELD IN PLACE.
13. UPON COMPLETION OF ERECTION, ALL EXPOSED WELDS SHALL BE TOUCHED UP, DE-SLAGGED AND PRIMED.
14. ALL DECKS WITH CONCRETE FILL SHALL BE VENTED. DECKS WITHOUT CONCRETE FILL SHALL NOT BE VENTED.

15. CONTRACTOR SHALL COORDINATE OPENINGS IN METAL DECK WITH ALL TRADES. NOT ALL OPENINGS ARE INDICATED ON STRUCTURAL DRAWINGS. PROVIDE REINFORCING PER TYPICAL METAL DECK DETAILS AT ALL OPENINGS.

16. WHERE LARGE PREDETERMINED OPENINGS FOR DUCTS AND SIMILAR ELEMENTS PASSING THROUGH THE DECK PANEL UNITS OCCUR, FURNISH PREFABRICATED UNITS TO FIT JOB CONDITIONS. WHERE OTHER HOLES OR OPENINGS ARE REQUIRED IN DECKING AFTER ERECTION, SUCH HOLES SHALL BE REINFORCED AS SHOWN IN METAL DECK DETAILS.

17. SUBMIT SHOP DRAWINGS FOR THE FABRICATION AND ERECTION OF METAL DECKING FOR REVIEW. NO FABRICATION SHALL COMMENCE OR MATERIAL DELIVERED TO THE JOB UNTIL THE ENGINEER HAS REVIEWED AND APPROVED THE SHOP DRAWINGS.

18. APPROVED SHOP DRAWINGS MUST BE ON JOB SITE FOR INSPECTION PURPOSES.

## COLD-FORMED METAL FRAMING

1. SEE PLANS, DETAILS, AND ARCHITECTURAL DRAWINGS FOR METAL FRAMING LOCATIONS, WALL WIDTHS AND CONFIGURATIONS.
2. ALL COLD-FORMED METAL FRAMING SHALL BE AS NOTED BELOW:  
A. INTERIOR STUDS: GALVANIZED.  
B. EXTERIOR STUDS: GALVANIZED.
3. ALL COLD-FORMED METAL FRAMING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AISI S100 'NORTH AMERICAN SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS', LATEST EDITION.
4. ALL COLD-FORMED METAL FRAMING TO BE MANUFACTURED BY CURRENT MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION, SSMA, PER ICC ESR-3064P. UON.
5. CONTRACTOR SHALL COMPLY WITH ALL OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS AND RECOMMENDATIONS. SEE DRAWINGS FOR SPECIFIC DETAILS ON CONNECTIONS, BRACING, BRIDGING, ETC. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO: TRACKS, CLIPS, AND OTHER ACCESSORIES REQUIRED FOR COMPLETE AND PROPER INSTALLATIONS, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBER USED.
6. ALL COLD-FORMED METAL FRAMING SHALL CONFORM WITH THE FOLLOWING:  
A. ALL COLD-FORMED METAL FRAMING STUDS, TRACKS AND JOISTS 16 GA. AND THICKER SHALL CONFORM TO ASTM A-653, GRADE 50 WITH A MINIMUM YIELD STRENGTH OF 50 KSI AND A G60 COATING. UON.  
B. ALL COLD-FORMED METAL FRAMING STUDS, TRACKS AND JOISTS LESS THAN 16 GA. IN THICKNESS SHALL CONFORM TO ASTM A-653, GRADE 33, WITH A MINIMUM YIELD STRENGTH OF 33 KSI AND A G60 COATING. UON.  
C. ALL COLD-FORMED METAL FRAMING BRIDGING, END CLOSURES AND ACCESSORIES SHALL CONFORM TO ASTM A-611, GRADE C, WITH A MINIMUM YIELD STRENGTH OF 33 KSI. UON.  
D. WELDING OF ALL COLD-FORMED METAL FRAMING MEMBERS SHALL CONFORM TO AWS D1.3. REFER TO 'STRUCTURAL STEEL' NOTES FOR ADDITIONAL WELDING REQUIREMENTS. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH ZINC-RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT.  
E. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR ANGULAR FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.  
F. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO THE FLANGE OR WEBS OF BOTH UPPER AND LOWER TRACKS. UON. ALL STUDS TO BE CONTINUOUS.  
G. ALL COLD-FORMED METAL STUDS SHALL HAVE STIFFENED FLANGES.  
H. DOUBLE VERTICAL STUDS SHALL BE STITCH WELDED TOGETHER ON BOTH FLANGES WITH 1/16" GROOVE WELDS x 1" LONG AT 12" ON CENTER. UON.  
I. TOP AND BOTTOM TRACKS FOR INTERIOR PARTITIONS SHALL MATCH THE SIZE AND GAUGE OF THE WALL STUDS AND SHALL HAVE 1-1/2" FLANGES MINIMUM. UON. SLIP TRACKS, WHERE SHOWN, SHALL BE 14 GA. MIN. AND SHALL BE MANUFACTURED BY SLIP TRACK SYSTEMS OR EQUAL.  
J. AS A MINIMUM, PROVIDE (2) #10 SMS AT EACH COLD-FORMED FRAMING MEMBER CONNECTION. UON.  
K. FOR SHEET METAL SCREWS INSTALLED IN COLD-FORMED FRAMING, THE MINIMUM SPACING BETWEEN FASTENERS IS 1-1/2" ON CENTER AND MINIMUM EDGE DISTANCE IS 1" TYP. UON.  
L. ALL SHEET METAL SCREWS SHALL PROTRUDE NOT LESS THAN 3 THREADS OR 1/4" MIN. THROUGH METAL FRAMING.  
M. AS A MINIMUM, ANCHOR TRACK TO CONCRETE WITH HILTI 1.0 157" DIA. X-U PAF (ICC ESR-2269), OR APPROVED EQUAL. AT 16" ON CENTER. THE PAF SHALL HAVE A MINIMUM 1-1/2" EMBEDMENT INTO THE CONCRETE AND SHALL BE LOCATED A MINIMUM 3" AWAY FROM ANY CONCRETE EDGE. THE PAF SHALL BE PLACED ADJACENT TO EACH VERTICAL WALL STUD AT A MAXIMUM DISTANCE OF 3'. PAF SHALL NOT BE USED TO ANCHOR INTO CONCRETE CURBS.  
N. FOR FASTENERS INSTALLED INTO CONCRETE, FASTENERS SHALL BE SPACED A MINIMUM OF 4" ON CENTER AND SHALL HAVE A MINIMUM EDGE DISTANCE OF 3" TYP. UON.  
O. FOR HILTI 1.0 157" DIA. X-U PAF (ICC ESR-2269) INSTALLED INTO STEEL, THE MINIMUM STEEL THICKNESS SHALL BE 3/16", THE MINIMUM SPACING BETWEEN FASTENERS IS 1-1/2", AND THE MINIMUM EDGE DISTANCE IS 1-1/2". FASTENERS SHALL BE DRIVEN TO A PENETRATION WHERE THE SHANK PIERCES THE STEEL BASE. TYP. UON.

7. MINIMUM SECTION PROPERTIES FOR COLD-FORMED METAL FRAMING AT INTERIOR AND EXTERIOR PARTITIONS AND THOSE METAL STUDS REFERENCED ON ARCHITECTURAL DRAWINGS SHALL BE AS FOLLOWS (PER SSMA CATALOG (ICC ESR-3064P):

STUD/TRACK TYPE	MIN GA. (THICKNESS)	EFFECTIVE I (IN <sup>4</sup> )	EFFECTIVE S (IN <sup>4</sup> )
1625125-33	20 GA (0.0345")	0.066	0.069
1627125-33	20 GA (0.0345")	0.066	0.058
2505137-33	20 GA (0.0345")	0.203	0.158
2505137-43	18 GA (0.0451")	0.261	0.205
2507150-33	20 GA (0.0345")	0.179	0.107
2507150-43	18 GA (0.0451")	0.252	0.154
4005137-43	18 GA (0.0451")	0.776	0.359
4005137-54	16 GA (0.0566")	0.953	0.428
4005162-43	16 GA (0.0451")	0.892	0.417
4005162-54	16 GA (0.0566")	1.098	0.498
4005200-43	18 GA (0.0451")	1.047	0.478
4005200-54	16 GA (0.0566")	1.292	0.623
4005200-68	14 GA (0.0713")	1.589	0.780
4007200-43	18 GA (0.0451")	0.811	0.311
4007200-54	16 GA (0.0566")	1.093	0.426
6005137-43	18 GA (0.0451")	2.041	0.645
6005137-54	16 GA (0.0566")	2.518	0.777
6005162-33	20 GA (0.0345")	1.793	0.577
6005162-43	18 GA (0.0451")	2.316	0.767
6005162-54	16 GA (0.0566")	2.860	0.953
6005162-68	14 GA (0.0713")	3.525	1.175
6005200-43	18 GA (0.0451")	2.683	0.873
6005200-54	16 GA (0.0566")	3.319	1.106
6005200-68	14 GA (0.0713")	4.101	1.367
6007150-43	18 GA (0.0451")	1.890	0.474
6007150-54	16 GA (0.0566")	2.473	0.689
6007200-43	18 GA (0.0451")	2.076	0.565
8005200-43	18 GA (0.0451")	5.302	1.293
8007200-43	18 GA (0.0451")	4.043	0.676
10005200-54	16 GA (0.0566")	10.769	1.705
10007200-54	16 GA (0.0566")	9.231	1.295

## SEISMIC BRACING FOR PIPE, DUCT & CONDUIT DISTRIBUTION SYSTEMS

1. PROVIDE SEISMIC BRACING OF MECHANICAL, ELECTRICAL AND PLUMBING PIPING, CONDUITS, AND DUCTWORK IN ACCORDANCE WITH THE REQUIREMENTS OF ASCE 7, AS MODIFIED BY APPLICABLE SECTIONS OF THE CALIFORNIA BUILDING CODE, LATEST EDITION UON IN THE DESIGN BASIS NOTES.
2. SHOP DRAWINGS SHALL BE SUBMITTED FOR PIPING, CONDUITS AND DUCTWORK SUPPORTS AND BRACING SHOWING THE FOLLOWING:  
A. LAYOUT DRAWINGS INDICATING LOCATION OF SEISMIC BRACING.  
B. THE LATERAL FORCE COMPUTATION, F<sub>p</sub>.  
C. REACTION FORCES TO THE SUPPORTING STRUCTURE.  
D. MANUFACTURER'S DESIGNATION OF SUPPORT DEVICES.
3. SHOP DRAWING SUBMITTAL AND REVIEW:  
A. SHOP DRAWINGS OF THE SUPPORT AND BRACING SYSTEMS SHALL BE SUBMITTED TO THE DISCIPLINE IN RESPONSIBLE CHARGE (I.E. MECHANICAL ENGINEER OF RECORD, ELECTRICAL ENGINEER OF RECORD, ETC.) FOR REVIEW TO VERIFY THAT THE DETAILS ARE IN CONFORMANCE WITH ALL CODE REQUIREMENTS.  
B. THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL VERIFY THAT THE STRUCTURE IS ADEQUATE FOR THE LOADS IMPOSED ON IT BY THE SUPPORTS AND BRACES INSTALLED.  
C. A NOTATION OR SHOP DRAWING STAMP PROVIDED BY THE SEOR ON THE SHOP DRAWING WILL INDICATE THE PLANS HAVE BEEN REVIEWED TO BE IN GENERAL CONFORMANCE WITH THE CODE AND PROJECT REQUIREMENTS.  
D. THE STAMPED SHOP DRAWINGS SHALL BE KEPT ON THE JOB SITE AND CAN BE USED FOR INSTALLATION OF THE SUPPORTS AND BRACING. THE IOR WILL REVIEW THE INSTALLATION.  
E. A COPY OF THE CHOSEN BRACING SYSTEM INSTALLATION MANUAL SHALL BE ON THE JOB SITE PRIOR TO STARTING THE INSTALLATION.
4. CONTRACTOR SHALL SUBMIT WRITTEN CERTIFICATION BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA, THAT THE PIPING, CONDUITS AND DUCTWORK IS INSTALLED IN COMPLIANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE, LATEST EDITION UON IN THE DESIGN BASIS NOTES.

## EQUIPMENT ANCHORAGE DETAILING

1. DETAILING OF ALL EQUIPMENT ANCHORAGE SHALL BE A DEFERRED APPROVAL ITEM. ANCHORAGE OF ALL EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT SHALL BE SHOWN ON A SUBSEQUENT DEFERRED APPROVAL SUBMITTAL, EXCEPT FOR THE FOLLOWING:  
A. EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.  
B. FURNITURE (NON-FIXED AND MOVABLE).  
C. TEMPORARY OR MOVEABLE EQUIPMENT (NON-FIXED AND MOVABLE).  
D. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.  
E. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUSPENDED FROM A ROOF OR FLOOR, OR HUNG FROM A WALL.
2. PERMANENT EQUIPMENT IN ITEMS 1.A, 1.D AND 1.E MUST BE SUPPORTED AND ANCHORED TO RESIST THE FORCES PRESCRIBED BY CHAPTER 13 OF ASCE 7 AS MODIFIED BY THE CALIFORNIA BUILDING CODE, LATEST EDITION UON IN THE DESIGN BASIS NOTES. THE ANCHORAGE SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD AND THE IOR AS PART OF FIELD REVIEW AND OBSERVATION. THE INSPECTOR OF RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE MET.

## POST-INSTALLED EXPANSION & ADHESIVE ANCHORS IN CONCRETE

1. ALL POST-INSTALLED DRILLED-IN EXPANSION ANCHORS IN CONCRETE SHALL BE HILTI KWIK BOLT T22 (ICC ESR-4266) OR EQUAL MEETING ICC-ES AC193. ANCHOR SYSTEMS SHALL BE APPROVED FOR USE IN CRACKED CONCRETE AND SEISMIC DESIGN CATEGORY A-F PER SECTION 2.0 OF THE ICC EVALUATION SERVICES REPORT (ESR).
2. ALL POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE SHALL BE HILTI HIT-RE 500 V3 (ICC ESR-3814) OR EQUAL MEETING ICC-ES AC108. ANCHOR SYSTEMS SHALL BE APPROVED FOR USE IN CRACKED CONCRETE AND SEISMIC DESIGN CATEGORY A-F PER SECTION 2.0 OF THE ICC EVALUATION SERVICES REPORT (ESR).
3. ANCHOR TYPE, SIZE AND EMBEDMENT SHALL BE AS INDICATED ON DRAWINGS. POST INSTALLED ANCHORS FOR REPAIR SHALL BE EVALUATED ON A CASE-BY-CASE BASIS. NOTIFY STRUCTURAL ENGINEER FOR REPAIRS.
4. ANCHOR MATERIAL SHALL BE CARBON STEEL FOR INTERIOR USE AND STAINLESS STEEL FOR EXTERIOR USE. UON.
5. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN THE ICC ESR REPORT.
6. EXPANSION ANCHORS SHALL NOT BE USED TO RESIST VIBRATORY OR SHOCK LOADS.
7. WHEN INSTALLING ANCHORS IN EXISTING CONCRETE, USE CARE AND CAUTION AND DO NOT CUT OR DAMAGE ANY EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR. IF REBAR IS ENCOUNTERED DURING THE DRILLING OF EXISTING CONCRETE, CONTRACTOR SHALL IMMEDIATELY TERMINATE DRILLING, ABANDON THE HOLE AND FILL WITH NON-SHRINK GROUT, AND CONTACT THE ENGINEER OF RECORD TO DETERMINE A NEW LOCATION.
8. DO NOT INSTALL ANCHORS IN PRESTRESSED CONCRETE ELEMENTS.

9. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.

10. NOTE THAT HOLE DEPTH, h<sub>o</sub>, IS LARGER THAN THE EMBEDMENT, h<sub>em</sub>, LISTED IN THE TABLE.

11. IF THE CONCRETE CRACKS DURING THE INSTALLATION OF THE ANCHOR, THE ANCHOR SHALL BE REMOVED OR ABANDONED, AS DIRECTED BY THE ENGINEER/ARCHITECT.

12. WHERE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS OR APPLICABLE ICC-ESR CALL FOR THE APPLICATION OF AN INSTALLATION TORQUE, THE SPECIFIED TORQUE SHALL BE APPLIED WITH A CALIBRATED TORQUE WRENCH. THE SPECIFIED INSTALLATION TORQUE SHALL NOT BE EXCEEDED.

13. PROVIDE SPECIAL INSPECTION PER THE REQUIREMENTS OF THE ICC ESR REPORT AND THE CALIFORNIA BUILDING CODE. INSPECTOR SHALL VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACING, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE. TENSION TESTING OF THE EXPANSION ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY.

14. DRILLED-IN EXPANSION ANCHORS AND ADHESIVE ANCHORS SHALL BE TENSION TESTED IN ACCORDANCE WITH THE FOLLOWING:  
A. 10% WHERE USED FOR DOWELING MECHANICAL PADS OR CURBS.  
B. 50% WHERE USED FOR NON-STRUCTURAL APPLICATIONS SUCH AS EQUIPMENT ANCHORAGE.  
C. 100% FOR THE ATTACHMENT OF ALL OTHER STRUCTURAL ATTACHMENTS.  
D. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS THE TEST REQUIREMENT, THEN RESUME INITIAL TESTING FREQUENCY.  
E. ANCHORS TO BE TESTED SHALL BE SELECTED AT RANDOM BY THE SPECIAL INSPECTOR.  
F. TEST 24 HOURS MINIMUM AFTER INSTALLATION.
15. THE TEST LOAD MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY TRANSMIT A MEASURABLE TENSION LOAD TO THE ANCHOR. ACCEPTABLE METHODS INCLUDE:  
A. USE OF A HYDRAULIC JACK, WHEREBY EITHER UNCONFINED OR CONFINED TESTING SHALL BE ACCEPTABLE.  
B. USE OF CALIBRATED SPRING-LOADED DEVICES.  
C. USE OF A CALIBRATED TORQUE WRENCH FOR TORQUE-CONTROLLED EXPANSION ANCHORS.

16. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:  
A. HYDRAULIC RAM METHOD: THE ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR EXPANSION ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDERNEATH THE NUT BECOMES LOOSE.  
B. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE-HALF (1/2) TURN OF THE NUT.

### HILTI KWIK BOLT-T22 (ICC-ESR 4266) — INSTALLED INTO NORMAL WT. CONCRETE (f'c=3,000psi) WITH PERIODIC SPECIAL INSPECTION

BOLT DIAMETER	3/8"ø	1/2"ø	5/8"ø	3/4"ø
MINIMUM NOMINAL EMBEDMENT DEPTH (IN)	2-1/2"	3"	3-3/4"	4-1/2"
MINIMUM EFFECTIVE EMBEDMENT DEPTH (IN)	2"	2-1/2"	3-1/4"	3-3/4"
MINIMUM MEMBER THICKNESS (IN)	4"	5"	5-1/2"	6"
MINIMUM SPACING BETWEEN BOLTS (IN)	2-1/4"	3"	2-3/4"	3-3/4"
MINIMUM EDGE DISTANCE (IN)	2-1/2"	8"	7"	7-1/4"
INSTALLATION TORQUE, CARBON STEEL (FT-LBS)	30	50	40	110
INSTALLATION TORQUE, STAINLESS STEEL (FT-LBS)	30	40	60	125

### HILTI KWIK BOLT-T22 CARBON STEEL (ICC-ESR 4266) — INSTALLED INTO UNDERSIDE OF NORMAL WT. CONCRETE (3-1/4" MIN) OVER METAL DECK (f'c=3,000psi) WITH PERIODIC SPECIAL INSPECTION

BOLT DIAMETER	3/8"ø	1/2"ø	5/8"ø	3/4"ø
MAX BOLT OFFSET FROM CENTER OF FLUTE (IN)	1"	1"	1"	1"
INSTALLED INTO LOWER FLUTE (4-1/2" MIN FLUTE WIDTH, 3" MAX DEPTH):				
MINIMUM EFFECTIVE EMBEDMENT (IN):	2"	2-1/2"	2-3/4"	3-1/4"
INSTALLATION TORQUE (FT-LBS)	30	50	40	110
INSTALLED INTO UPPER FLUTE (4-1/2" MIN FLUTE WIDTH, 3" MAX DEPTH):				
MINIMUM EFFECTIVE EMBEDMENT (IN):	2"	2-1/2"	2-3/4"	3-1/4"
INSTALLATION TORQUE (FT-LBS)	30	50	40	110

### HILTI KWIK BOLT-T22 CARBON STEEL (ICC-ESR 4266) — INSTALLED INTO TOP OF NORMAL WT. CONCRETE OVER METAL DECK (f'c=3,000psi) WITH PERIODIC SPECIAL INSPECTION

BOLT DIAMETER	3/8"ø	1/2"ø
MINIMUM NOMINAL EMBEDMENT DEPTH (IN)	2-1/2"	2-1/2"
MINIMUM EFFECTIVE EMBEDMENT DEPTH (IN)	2"	2"
MINIMUM CONCRETE THICKNESS (IN)	3-1/4"	3-1/4"
MINIMUM SPACING BETWEEN BOLTS (IN)	4"	6"
MINIMUM EDGE DISTANCE (IN)	6"	8"
INSTALLATION TORQUE (FT-LBS)	30	50

### HILTI HIT-RE 500 V3 + REBAR (ICC-ESR 3814) — INSTALLED INTO NORMAL WT. CONCRETE (f'c=3,000psi) WITH PERIODIC SPECIAL INSPECTION

REINFORCEMENT SIZE	#3	#4	#5	#6
MINIMUM NOMINAL EMBEDMENT DEPTH (IN)	2-3/8"	2-3/8"	3"	3"
MINIMUM SPACING BETWEEN BOLTS (IN)	1-7/8"	2-1/2"	3-1/8"	3-3/4"
LOCATION NEAR SLAB EDGES (ONE EDGE):				
MINIMUM EDGE DISTANCE (IN)	1-7/8"	2-1/2"	3-1/8"	3-3/4"
DIRECT PULL-TENSION (TEST LOAD LBS)	964	1287	1615	2454
LOCATION NEAR SLAB EDGES (TWO EDGE):				
MINIMUM EDGE DISTANCE (IN)	1-7/8"	2-1/2"	3-1/8"	3-3/4"
DIRECT PULL-TENSION (TEST LOAD LBS)	669	903	1464	1793
LOCATION NOT NEAR SLAB EDGES:				
MINIMUM EDGE DISTANCE (IN)	1-7/8"	2-1/2"	3-1/8"	3-3/4"
DIRECT PULL-TENSION (TEST LOAD LBS)	1661	1661	2359	2359

## POST-INSTALLED EXPANSION & ADHESIVE ANCHORS IN MASONRY

1. ALL POST-INSTALLED DRILLED-IN EXPANSION ANCHORS INTO MASONRY SHALL BE HILTI KWIK BOLT-T22 (ICC ESR-4561) OR EQUAL MEETING ICC-ES AC193. ANCHOR SYSTEMS SHALL BE APPROVED FOR USE IN CRACKED CONCRETE AND SEISMIC DESIGN CATEGORY A-F PER SECTION 2.0 OF THE ICC EVALUATION SERVICES REPORT (ESR).
2. ALL POST-INSTALLED ADHESIVE ANCHORS INTO MASONRY SHALL BE HILTI HIT HY 270 (ICC ESR-4143) OR EQUAL MEETING ICC-ES AC193. ANCHOR SYSTEMS SHALL BE APPROVED FOR USE IN CRACKED CONCRETE AND SEISMIC DESIGN CATEGORY A-F PER SECTION 2.0 OF THE ICC EVALUATION SERVICES REPORT (ESR).
3. ANCHOR TYPE, SIZE AND EMBEDMENT SHALL BE AS INDICATED ON DRAWINGS. POST INSTALLED ANCHORS FOR REPAIR SHALL BE EVALUATED ON A CASE-BY-CASE BASIS. NOTIFY STRUCTURAL ENGINEER FOR REPAIRS.
4. ANCHOR MATERIAL SHALL BE CARBON STEEL FOR INTERIOR USE AND STAINLESS STEEL FOR EXTERIOR USE. UON.
-



CBC SECTION 1705.2/AISC 360 TABLE N5.6-3			
INSPECTION TASKS AFTER BOLTING: OBSERVE (O); PERFORM (P)			
INSPECTION TASKS AFTER BOLTING			QC
			QA
1.	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS		P
			P

CBC SECTION 1705.4 REQUIRED SPECIAL INSPECTION AND TESTS OF MASONRY CONSTRUCTION PER TMS 402 TABLE 3.1 & TMS 602 TABLE 4 REQUIRED LEVEL 2					
	TYPE	CONT.	PERIODIC	REF. STD.	CODE REF.
1.	AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
a.	PROPORTIONS OF SITE PREPARED MORTAR.	-	X	-	ART. 2.1, 2.6A & 2.6C
b.	GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	-	X	-	ART. 2.4B & 2.4H
c.	GRADE, TYPE, AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES.	-	X	-	ART. 3.4 & 3.6A
d.	PRESTRESSING TECHNIQUE.	-	X	-	ART. 3.6B
e.	PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY.	X	X	-	ART. 2.1 C.1
f.	SAMPLE PANEL CONSTRUCTION.	-	X	-	ART. 1.6D
2.	PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
a.	GROUT SPACE.	-	X	-	ART. 3.2D & 3.2F
b.	PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES.	-	X	SEC. 10.8 & 10.9	ART. 2.4 & 3.6
c.	PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHOR BOLTS.	-	X	SEC. 6.1, 6.3.1, 6.3.6 & 6.3.7	ART. 3.2 & 3.4
d.	PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	-	X	-	ART. 2.6B & 2.4C.1.b
3.	VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION:				
a.	MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS.	-	X	-	ART. 1.5
b.	PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION.	-	X	-	ART. 3.3B
c.	SIZE AND LOCATION OF STRUCTURAL MEMBERS.	-	X	-	ART. 3.3F
d.	TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OR ANCHORS OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	-	X	SEC. 1.2.1.e, 6.2.1 & 6.3.1	-
e.	WELDING OF REINFORCEMENT.	X	-	SEC. 6.1.6.1.2	-

CBC TABLE 1705.6 REQUIRED SPECIAL INSPECTION AND TESTS OF SOIL		CONTINUOUS	PERIODIC
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		X
4.	DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	-	X

## STRUCTURAL OBSERVATIONS

1. STRUCTURAL OBSERVATIONS WILL BE UNDERTAKEN BY PERSONNEL UNDER THE SUPERVISION OF THE STRUCTURAL ENGINEER OF RECORD. STRUCTURAL OBSERVATIONS ARE SEPARATE FROM THE SPECIAL INSPECTION REQUIREMENTS OUTLINED UNDER 'SPECIAL INSPECTIONS'.
2. THE PURPOSE OF STRUCTURAL OBSERVATIONS IS TO REVIEW THE OVERALL PROGRESS OF CONSTRUCTION AND ASCERTAIN ITS GENERAL COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, GENERAL NOTES AND OTHER SPECIFICATIONS AS APPLICABLE. STRUCTURAL OBSERVATIONS WILL BE NOTED IN REGULAR SITE REPORTS ISSUED TO THE OWNER.
3. UNLESS OTHERWISE NOTED, THE STRUCTURAL ENGINEER OF RECORD SHALL BE ENGAGED TO PROVIDE, AT A MINIMUM, A LEVEL OF CONSTRUCTION INVOLVEMENT NEEDED TO OBSERVE THE FOLLOWING AT SIGNIFICANT MILESTONES DURING THE CONSTRUCTION PROCESS:
  - A. FOUNDATION REINFORCEMENT AND CONSTRUCTION
  - B. MASONRY/CONCRETE WALL/SLAB REINFORCING AND CONSTRUCTION.
  - C. STRUCTURAL STEEL FRAMING.
  - D. LATERAL FORCE RESISTING ELEMENTS.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 3 DAYS PRIOR TO THE TIME OF STRUCTURAL OBSERVATION AND PROVIDE ACCESS FOR THE STRUCTURAL OBSERVATIONS.

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CITY OF MCFARLAND, CALIFORNIA

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## KEY PLAN

SCALE

[illegible]

NO.	DESCRIPTION	DATE
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DRAWN BY YK

APPROVED BY \_\_\_\_\_ MR \_\_\_\_\_

CHECKED BY \_\_\_\_\_ PC \_\_\_\_\_

DATE 10/29/2025

TITLE

## GENERAL STRUCTURAL NOTES

PROJECT NO.	Project Number
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S003

SHEET NO.



F

REINFORCEMENT LAP SPlice LENGTHS (CLASS B, INCHES)  
GR60 EXCEPT AS NOTED

REINFORCEMENT CONCRETE f'c = 2500 PSI AT 28 DAYS		REINFORCEMENT SIZE									
REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11		
TOP	32	42	51	62	90	102	115	130	143		
OTHER	24	32	39	47	69	78	89	101	111		

REINFORCEMENT CONCRETE f'c = 3000 PSI AT 28 DAYS		REINFORCEMENT SIZE									
REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11		
TOP	29	38	47	56	82	94	106	119	132		
OTHER	23	29	37	43	63	72	81	91	102		

REINFORCEMENT CONCRETE f'c = 4000 PSI AT 28 DAYS		REINFORCEMENT SIZE									
REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11		
TOP	25	33	41	49	71	81	91	103	114		
OTHER	20	25	32	38	55	63	71	80	88		

REINFORCEMENT CONCRETE f'c = 5000 PSI AT 28 DAYS		REINFORCEMENT SIZE									
REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11		
TOP	23	30	37	45	64	73	82	93	102		
OTHER	17	23	29	34	50	56	63	71	78		

REINFORCEMENT DEVELOPMENT LENGTHS (INCHES)  
GR60 EXCEPT AS NOTED

REINFORCEMENT CONCRETE f'c = 2500 PSI AT 28 DAYS		REINFORCEMENT SIZE									
REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11		
TOP	24	32	39	47	69	78	88	100	110		
OTHER	18	24	30	36	53	60	68	77	85		

REINFORCEMENT CONCRETE f'c = 3000 PSI AT 28 DAYS		REINFORCEMENT SIZE									
REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11		
TOP	22	29	36	43	63	72	81	91	101		
OTHER	17	22	28	33	48	55	62	70	78		

REINFORCEMENT CONCRETE f'c = 4000 PSI AT 28 DAYS		REINFORCEMENT SIZE									
REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11		
TOP	19	25	31	37	54	62	70	79	87		
OTHER	15	19	24	29	42	48	54	61	67		

REINFORCEMENT CONCRETE f'c = 5000 PSI AT 28 DAYS		REINFORCEMENT SIZE									
REINF LOCATION	#3	#4	#5	#6	#7	#8	#9	#10	#11		
TOP	17	23	28	34	49	56	63	71	78		
OTHER	13	17	22	26	38	43	48	54	60		

NOTES:

- USE THE SPLICE LENGTH GIVEN FOR TOP BARS WHEN MORE THAN 12" OF CONCRETE IS CAST BELOW HORIZONTAL BARS IN THE MEMBER. USE THE SPLICE LENGTH GIVEN FOR OTHER BARS FOR ALL OTHER CONDITIONS.
- SPLICE LENGTHS ARE GIVEN FOR CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. BARS WITH A MINIMUM COVER OF 2 BAR DIAMETERS, AND BARS WITH A MINIMUM CLEAR SPACING OF 3 BAR DIAMETERS.
- FOR EPOXY COATED REBAR INCREASE SPLICE LENGTH BY 50 PERCENT.
- ADJACENT SPLICES SHALL BE STAGGERED AT LEAST 24".

NOTES:

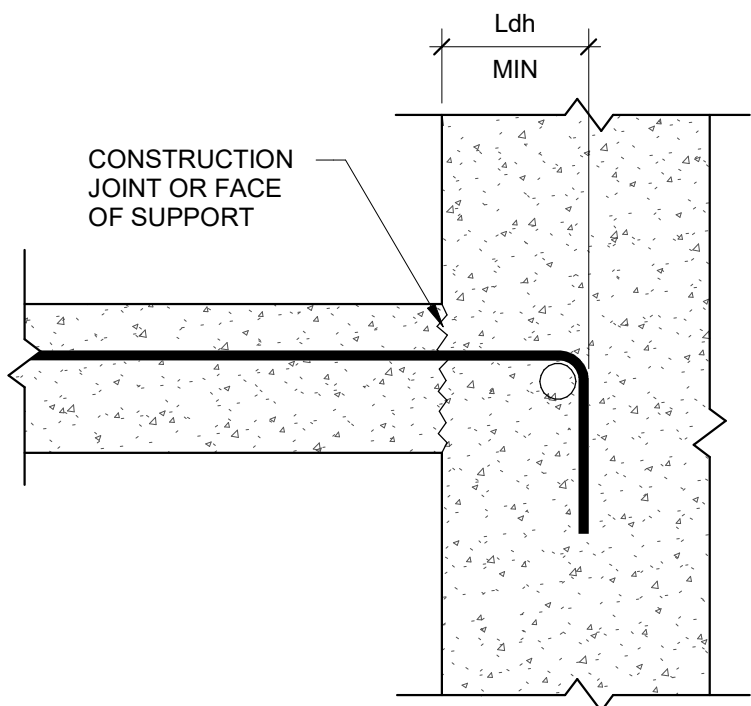
- Ld = DEVELOPMENT LENGTH  
Ls = LAP SPLICE LENGTH  
Ldh = HOOK DEVELOPMENT LENGTH
- WHEN SPLICING BARS OF DIFFERENT SIZE, USE LAP SPLICE LENGTH OF LARGER BAR, U.O.N.
- STAGGER EA. SPLICES AS
- MULTIPLY THE ABOVE LENGTH BY 1.5 FOR EPOXY COATED REINF.

C

B

A

15 REINFORCEMENT LAP SPLICES & DEVELOPMENT LENGTHS  
NTS



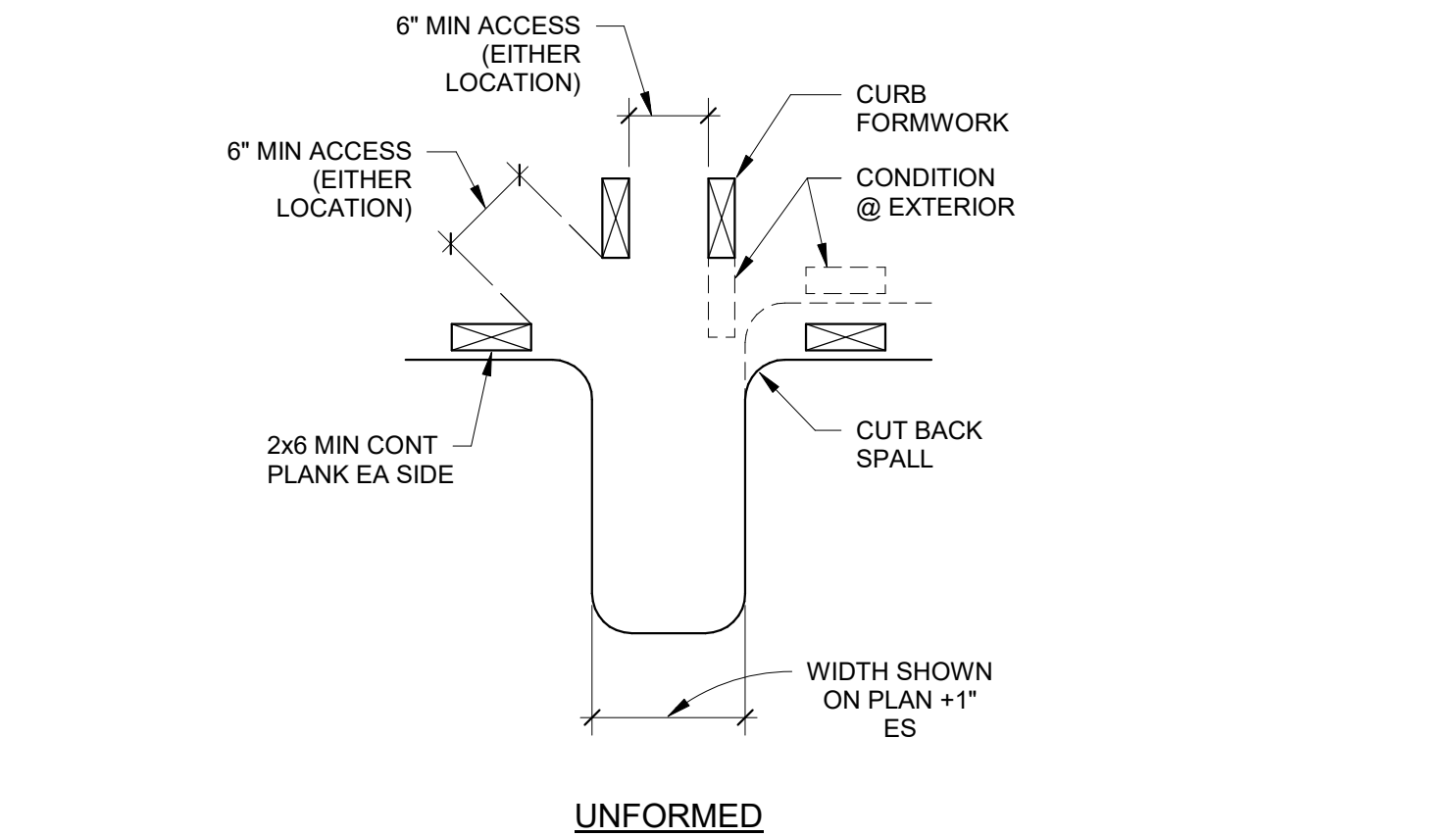
NOTES:

- VALUES HERE VALID FOR ALL CASES IF: SIDE COVER ≥ 1 1/2" END COVER ≥ 2"
- MULTIPLY VALUES IN SCHEDULE BY 1.33 FOR LIGHTWEIGHT CONCRETE.
- MULTIPLY VALUES IN SCHEDULE BY 1.2 FOR USE WITH EPOXY COATED REBAR.

16 TENSION HOOK DEVELOPMENT SCHEDULE  
NTS

BAR SIZE	TENSION HOOK DEVELOPMENT LENGTH (Ldh)			
	3,000	4,000	5,000	6,000
#3	5"	6"	6"	6"
#4	6"	6"	6"	6"
#5	8"	8"	8"	7"
#6	11"	10"	10"	10"
#7	14"	13"	12"	12"
#8	16"	15"	15"	15"
#9	20"	18"	18"	17"
#10	23"	22"	21"	21"
#11	27"	26"	25"	24"

11 REINFORCING WELDED TO STEEL  
NTS

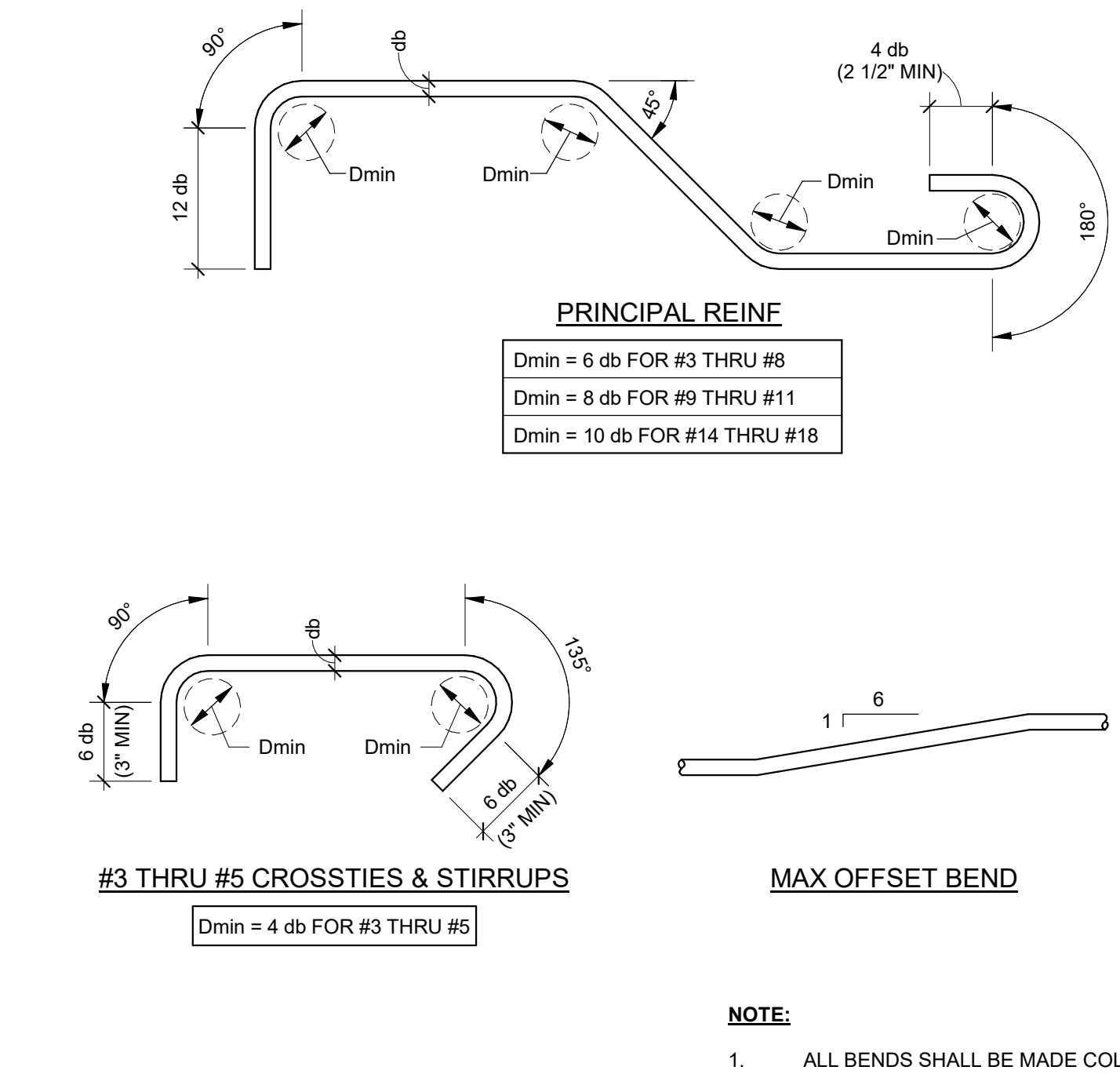
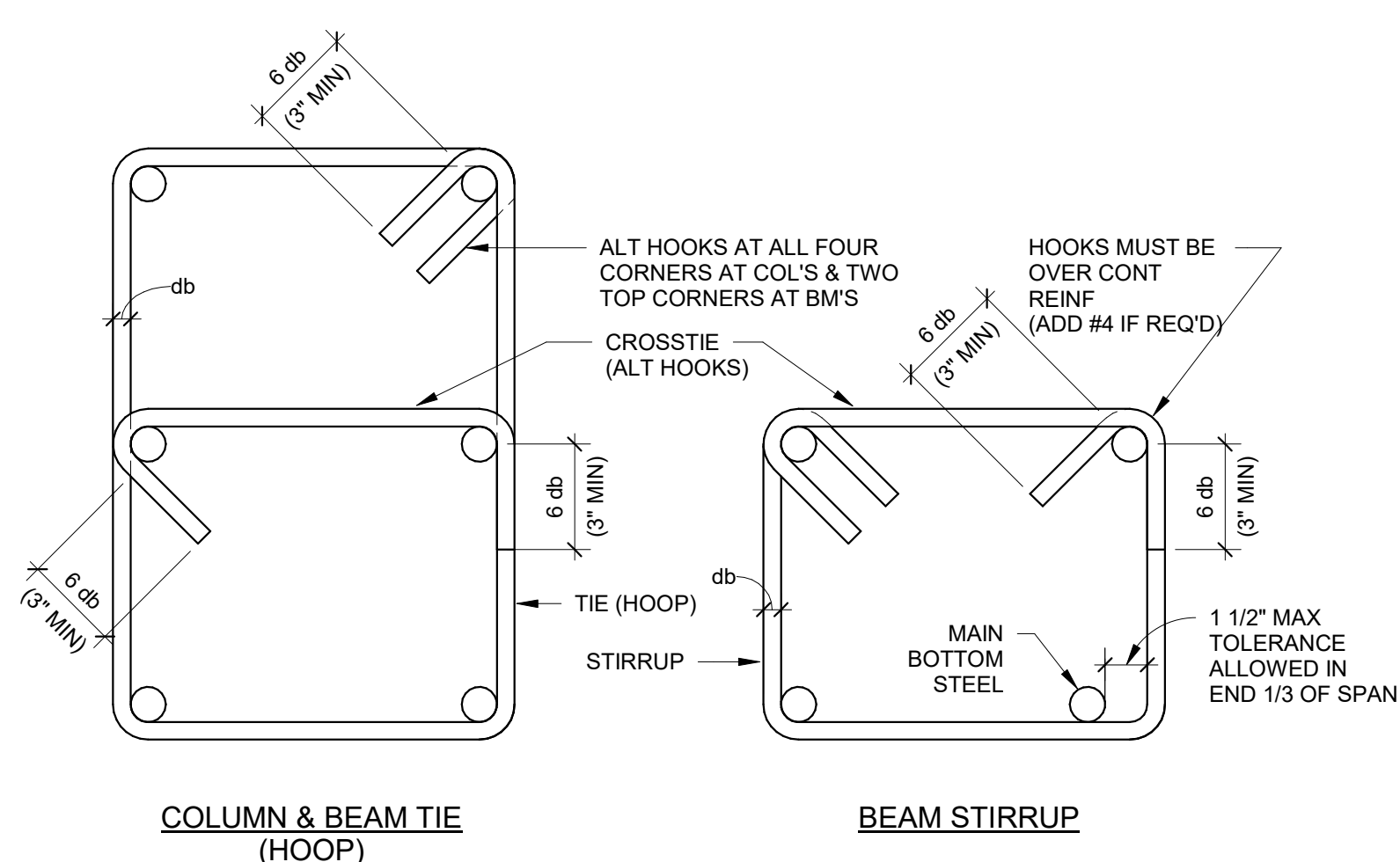


NOTES:

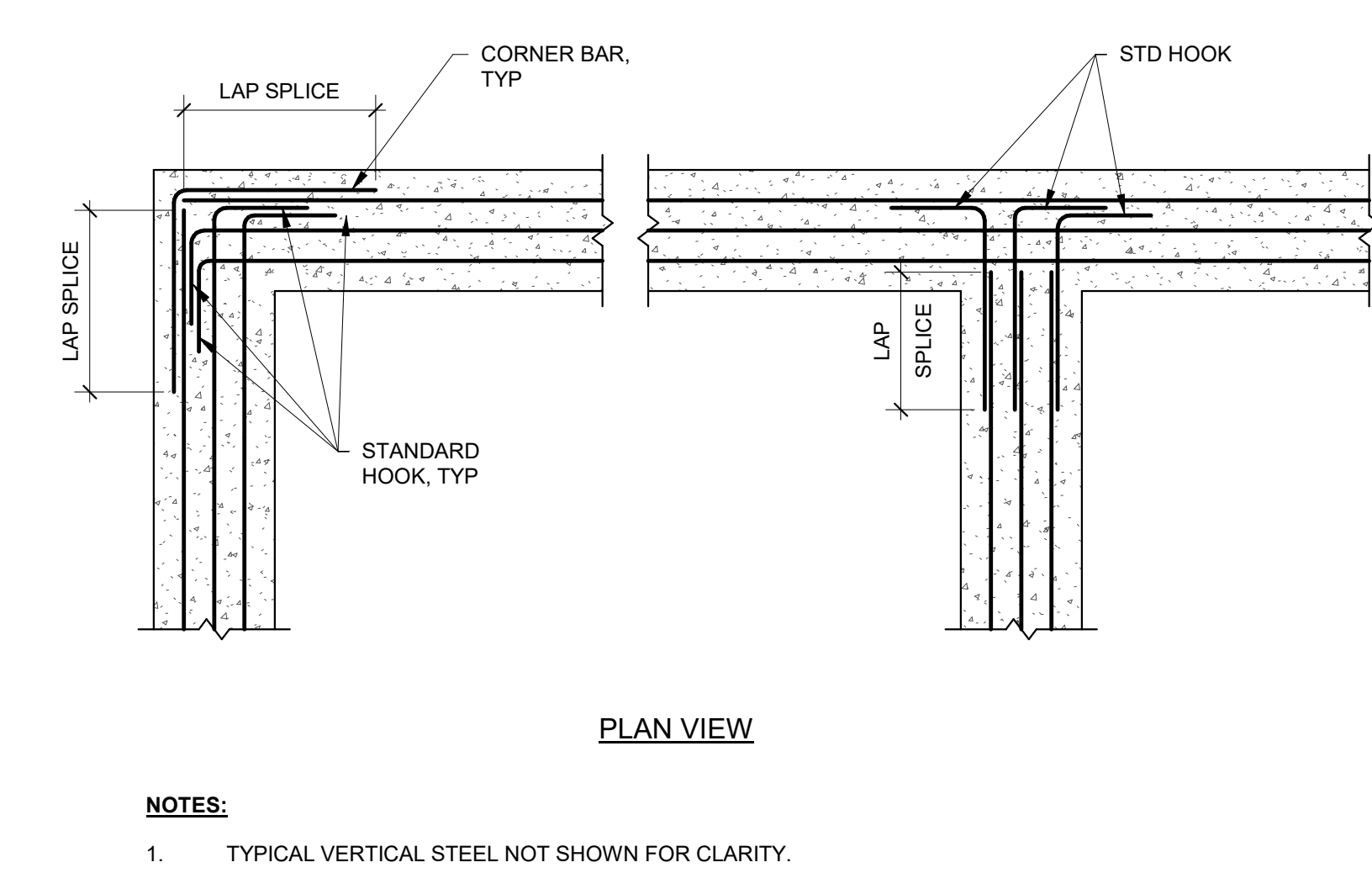
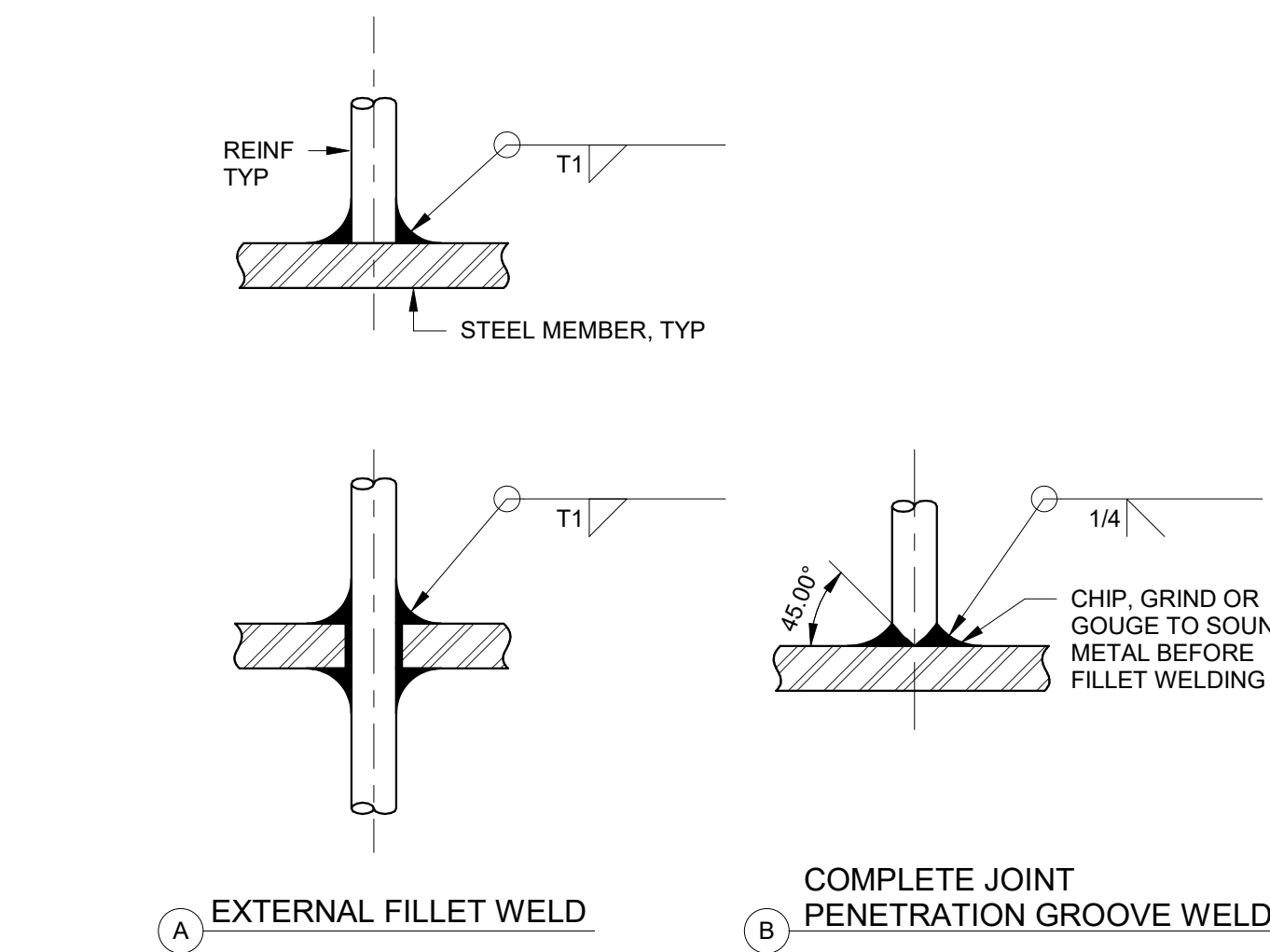
- FORMWORK NOT PERMITTED BELOW GRADE UNLESS FOOTING & WALL ARE FULLY FORMED.
- STAKES NOT PERMITTED WITHIN FOOTING SECTION.
- FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATION PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE.

12 CONCRETE FOUNDATION FORMING  
NTS

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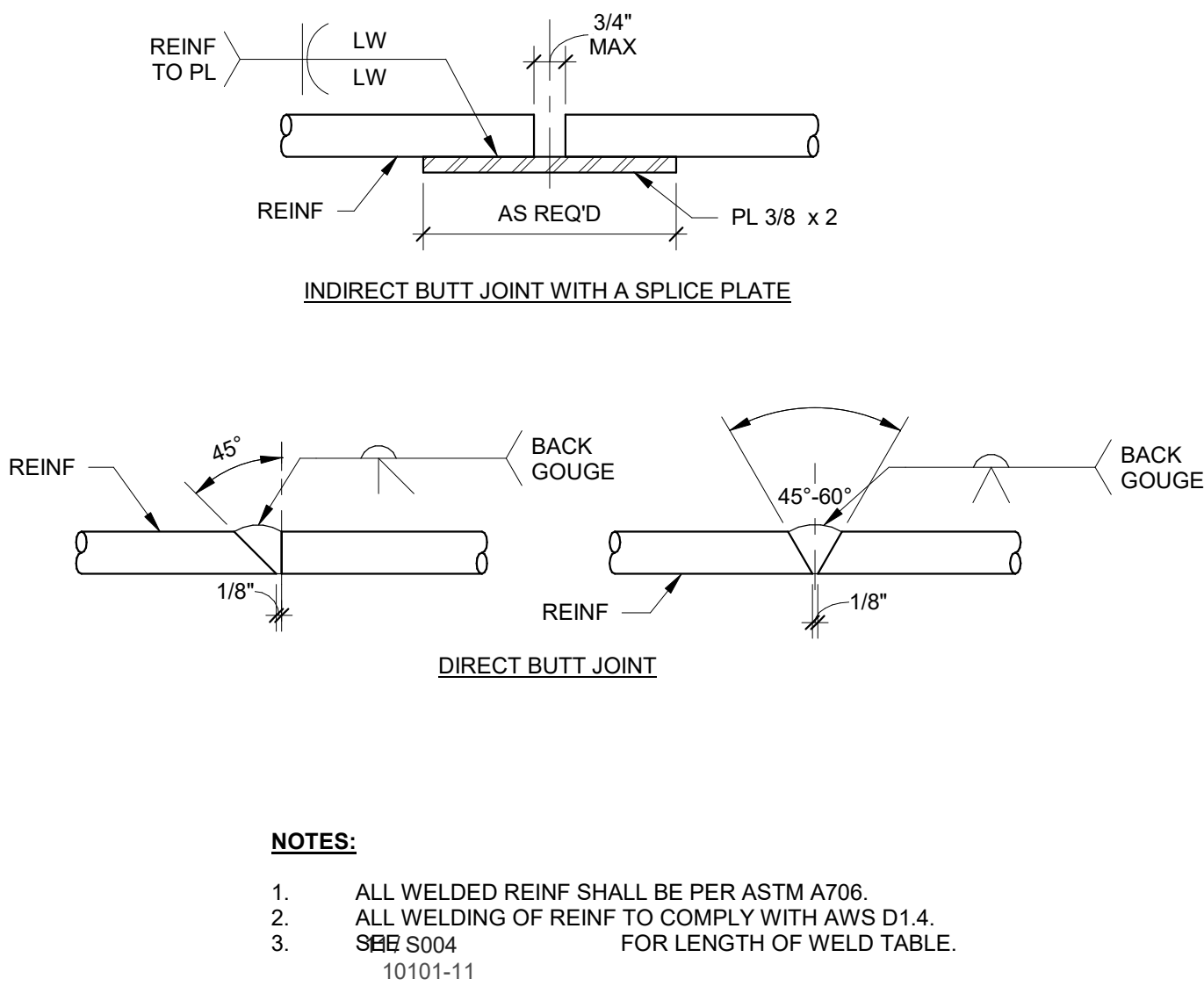
10 REINFORCING HOOKS & BENDS  
NTS



NOTES:

- TYPICAL VERTICAL STEEL NOT SHOWN FOR CLARITY.

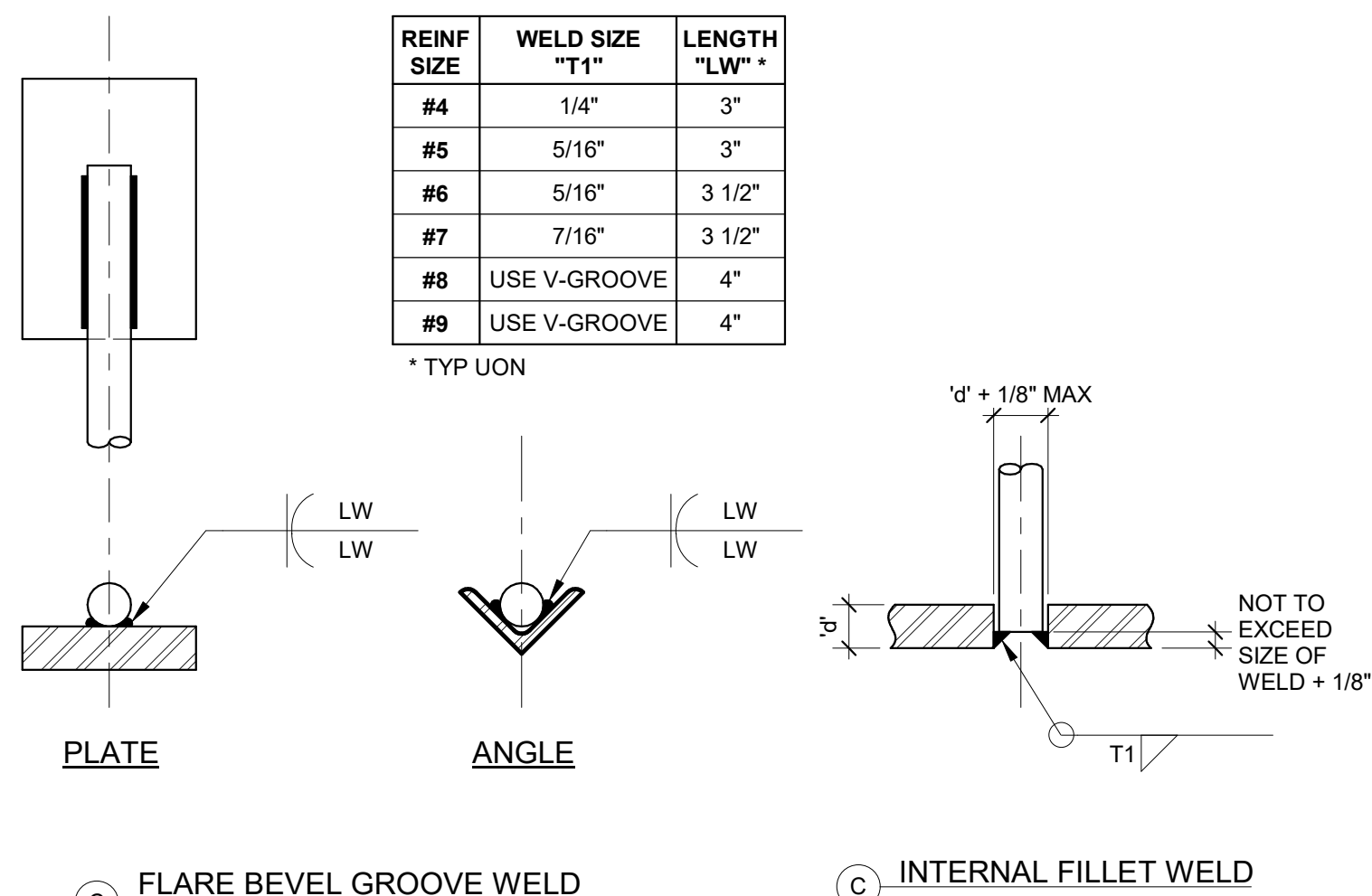
5 CONCRETE FOOTING REINFORCING AT CORNERS INTERSECTION  
NTS



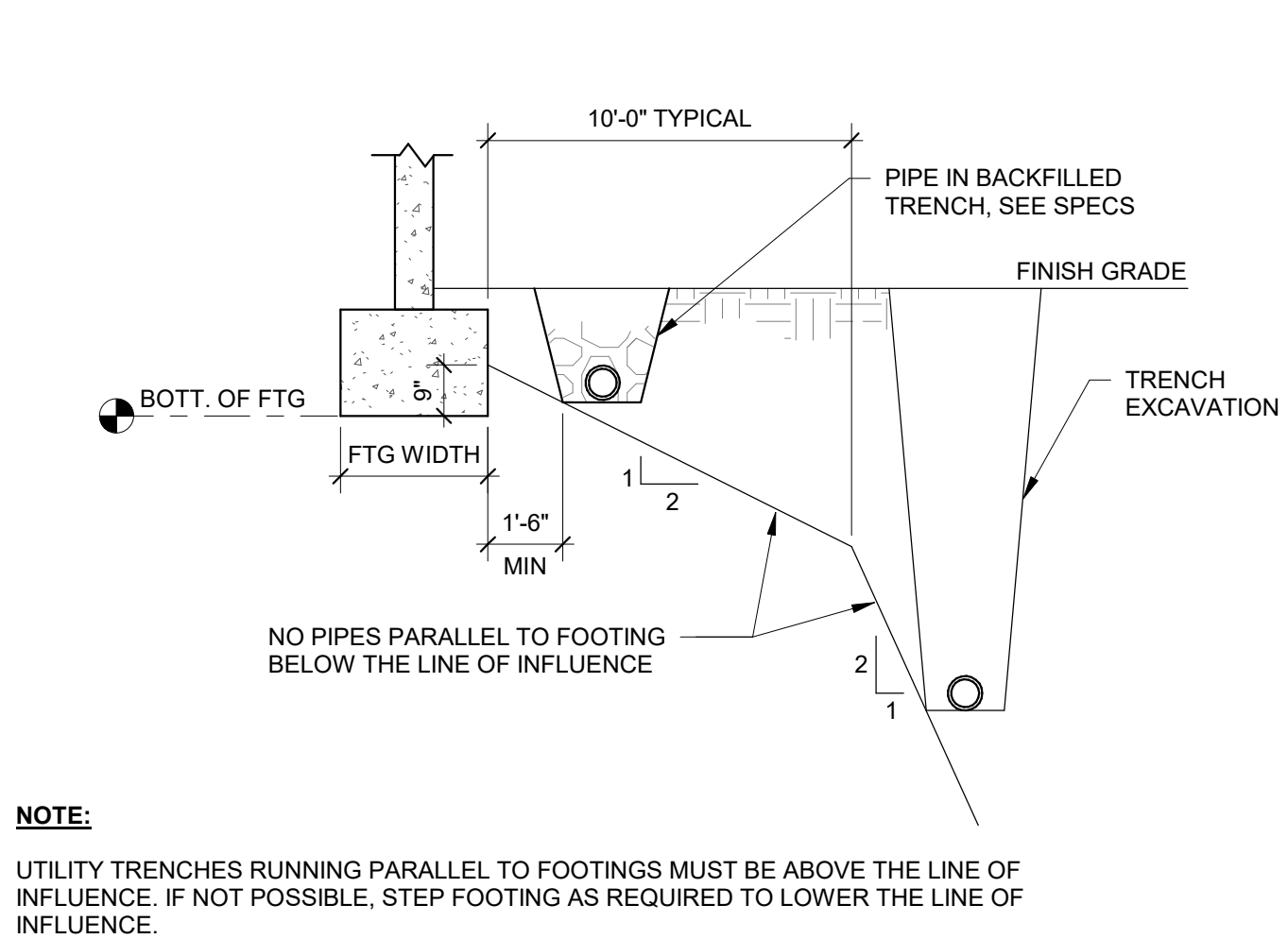
NOTES:

- ALL WELDED REINF SHALL BE PER ASTM A706.
- ALL WELDING OF REINF TO COMPLY WITH AWS D14.
- SEE S004 FOR LENGTH OF WELD TABLE.

6 WELDED SPLICES IN REINFORCING  
NTS

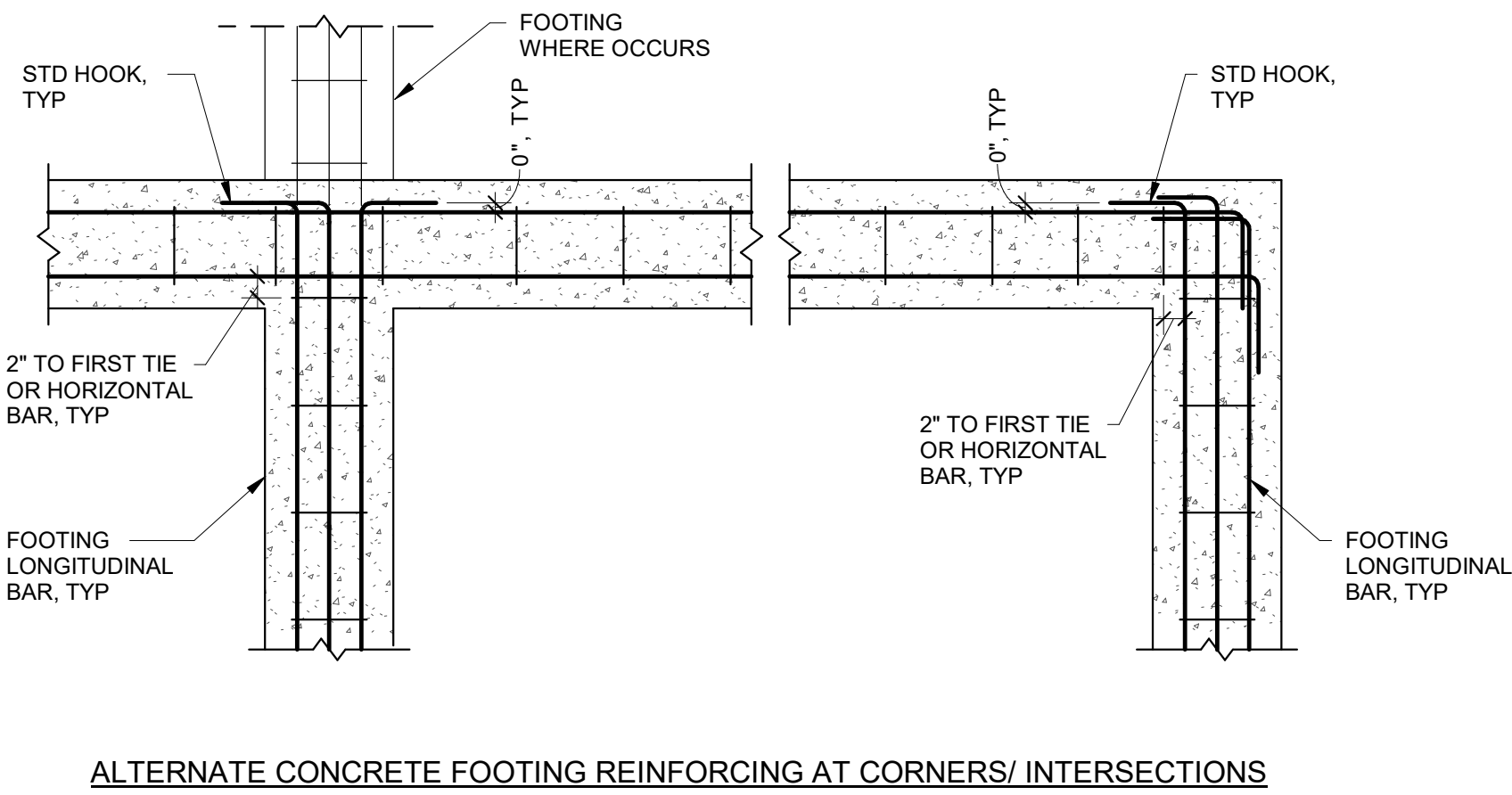


8 PIPES PARALLEL TO CONCRETE FOOTINGS  
NTS

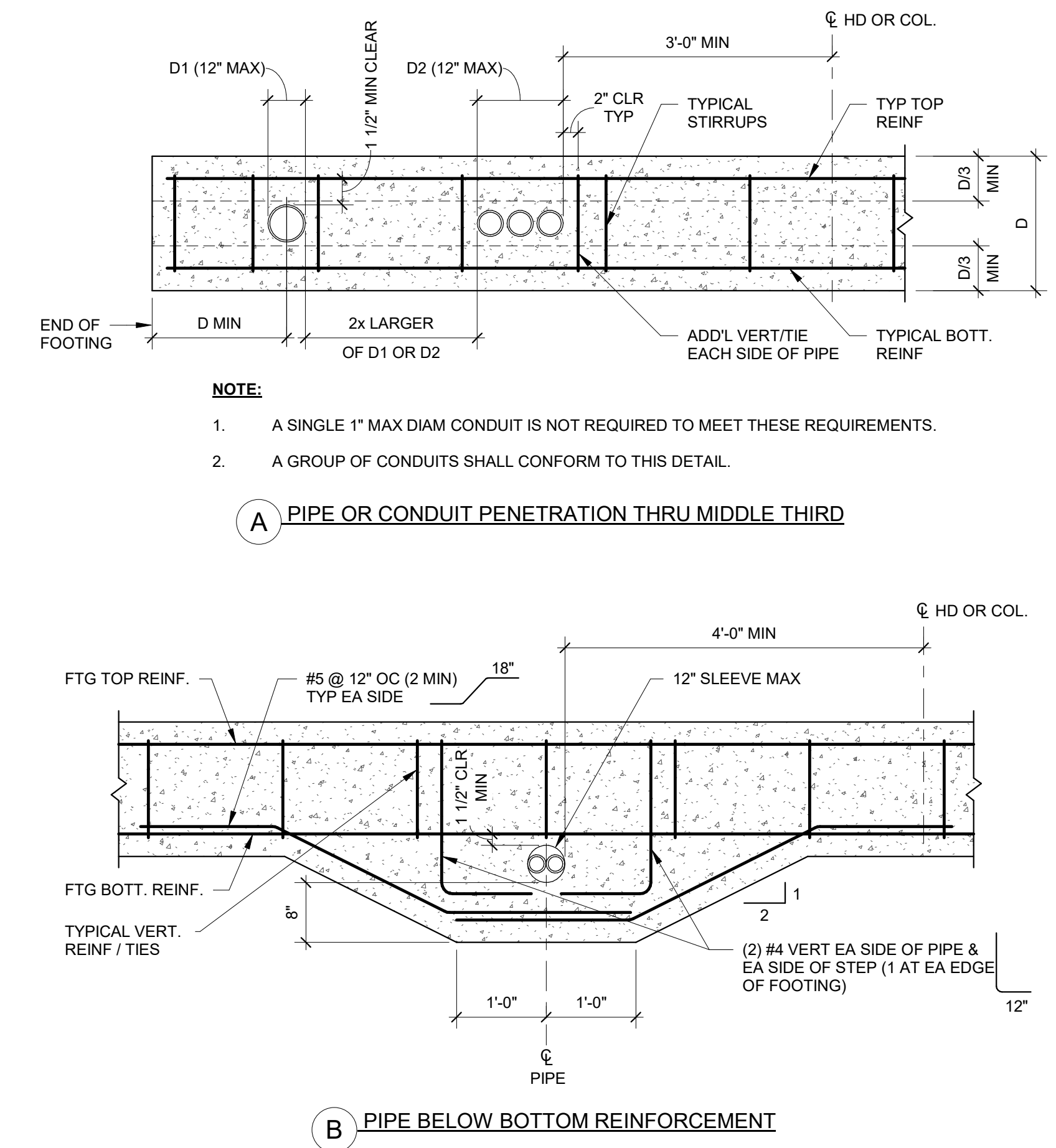


NOTE:

- UTILITY TRENCHES RUNNING PARALLEL TO FOOTINGS MUST BE ABOVE THE LINE OF INFLUENCE. IF NOT POSSIBLE, STEP FOOTING AS REQUIRED TO LOWER THE LINE OF INFLUENCE.



ALTERNATE CONCRETE FOOTING REINFORCING AT CORNERS/ INTERSECTIONS

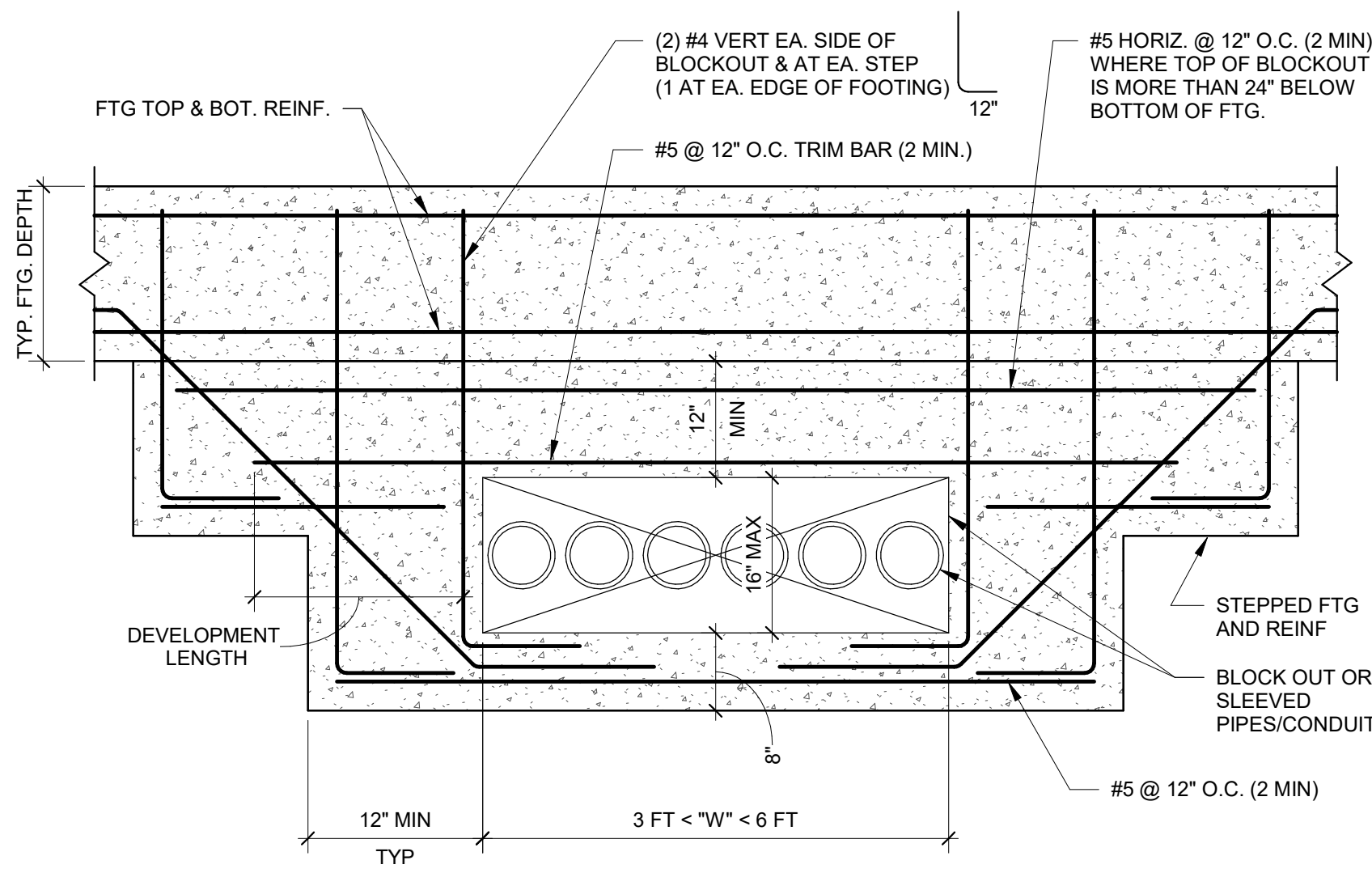


NOTE:

- A SINGLE 1" MAX DIAM CONDUIT IS NOT REQUIRED TO MEET THESE REQUIREMENTS.
- A GROUP OF CONDUITS SHALL CONFORM TO THIS DETAIL.

A PIPE OR CONDUIT PENETRATION THRU MIDDLE THIRD

B PIPE BELOW BOTTOM REINFORCEMENT



NOTES:

- THIS DETAIL IS NOT APPLICABLE TO FULL-HEIGHT RETAINING OR CANTILEVER WALL.
- WHERE PIPE CROSSING IS MORE THAN 2'-0" BELOW BOTTOM OF FOOTING, STEPPED FOOTING IS NOT REQUIRED.
- WHERE PIPE CROSSING IS WITHIN 2'-0" TO 3'-0" BELOW BOTTOM OF FOOTING, PROVIDE SLEEVE AND BACKFILL WITH GRAVEL MINIMUM OF 12" ALL AROUND.

C DUCT BANK / LARGE PIPE BELOW FOOTING

NOTES:

- FOOTING TOP AND BOTTOM REINFORCING MAY NOT BE CUT OR INTERRUPTED.
- PROVIDE MINIMUM 1 1/2" CLEAR BETWEEN SLEEVE AND REINFORCING.
- ALL METAL PIPES SHALL RUN THROUGH METAL OR SCH 40 PVC SLEEVES & SHALL HAVE 1" CLR ALL THE WAY AROUND. PROVIDE 2" CLEAR AROUND FIRE SPRINKLER PIPING.
- ALL ELECT CONDUIT PASSING THROUGH CONCRETE FOOTINGS SHALL BE WRAPPED IN 1/2" THICK FOAM.
- PIPES OR CONDUIT SHALL NOT PASS VERTICALLY THROUGH THE FOOTINGS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ENGINEER OF RECORD.

PIPE OR CONDUIT PENETRATIONS THRU CONTINUOUS CONCRETE FOUNDATIONS

4  
NTS



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8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



155 Bonet Road, Suite 550  
650.367.8100

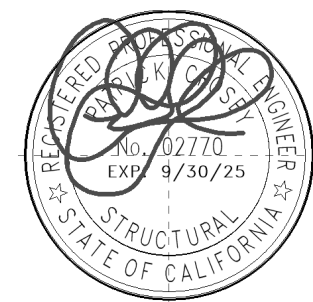
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McFarland, CA 93250

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ YK  
APPROVED BY \_\_\_\_\_ MR  
CHECKED BY \_\_\_\_\_ PC  
DATE \_\_\_\_\_ 10/29/2025  
TITLE \_\_\_\_\_

TYP. CONCRETE DETAILS

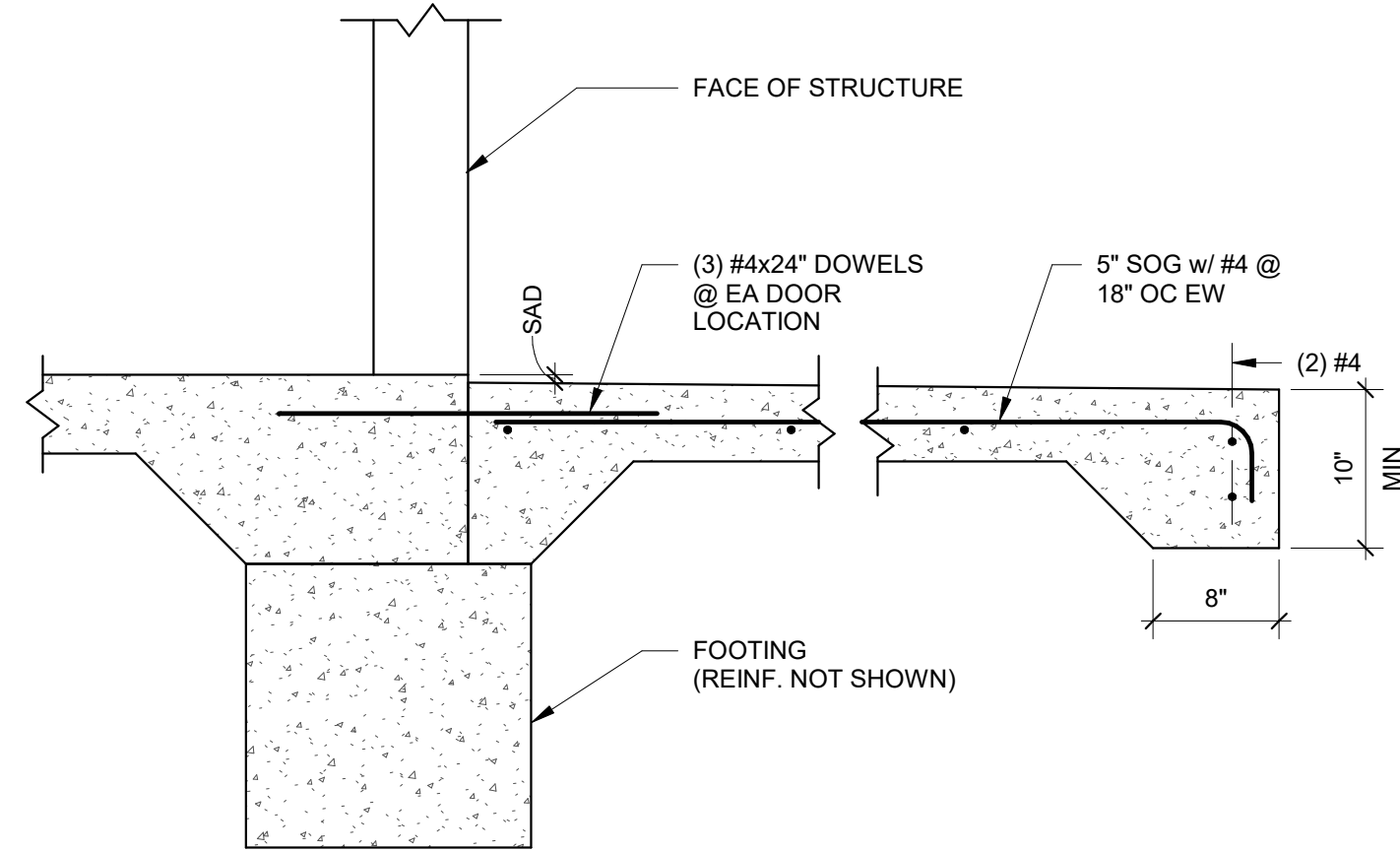
PROJECT NO. \_\_\_\_\_ Project Number \_\_\_\_\_

S004

SHEET NO.



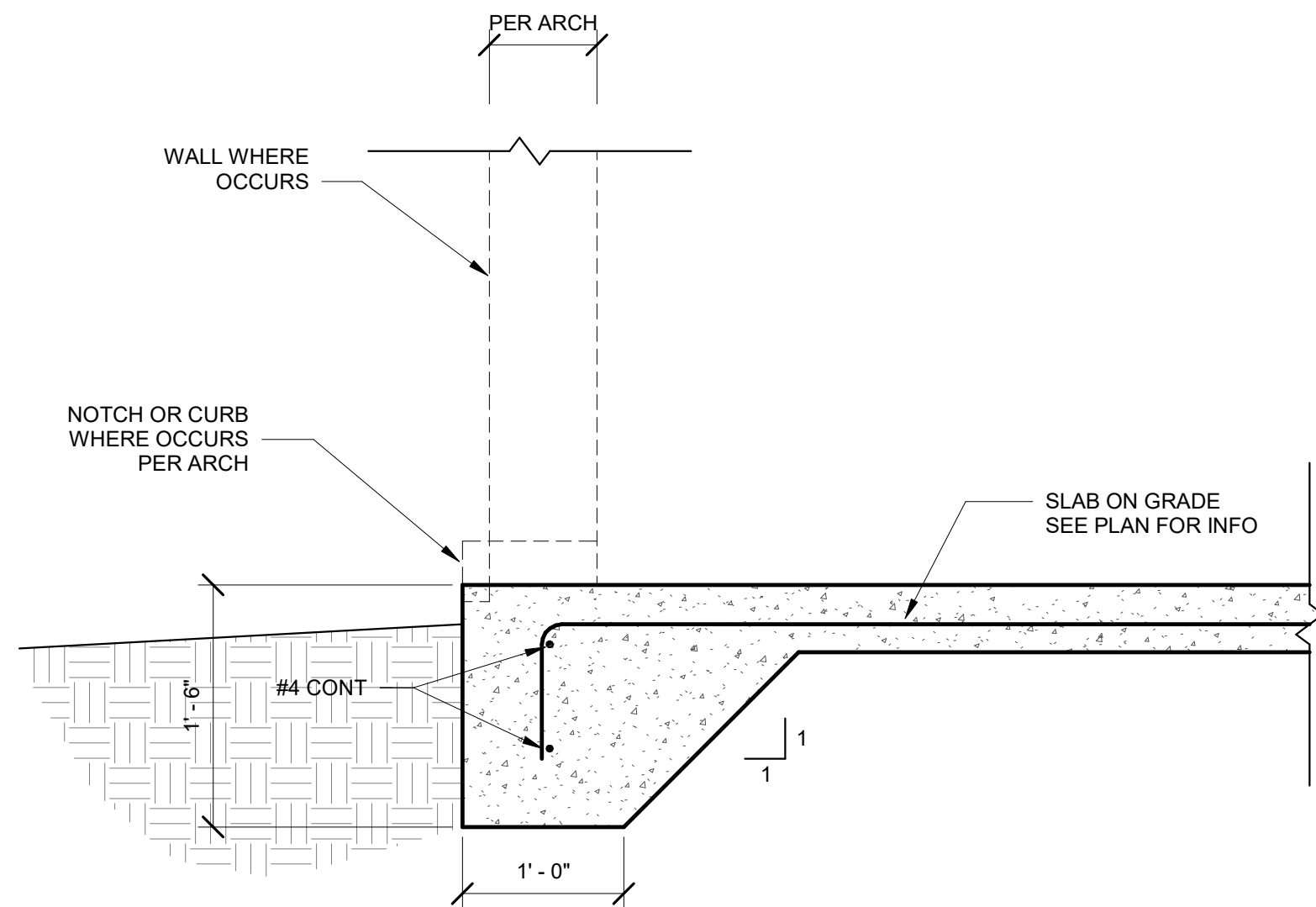
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### 13 CONCRETE STOOP

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E

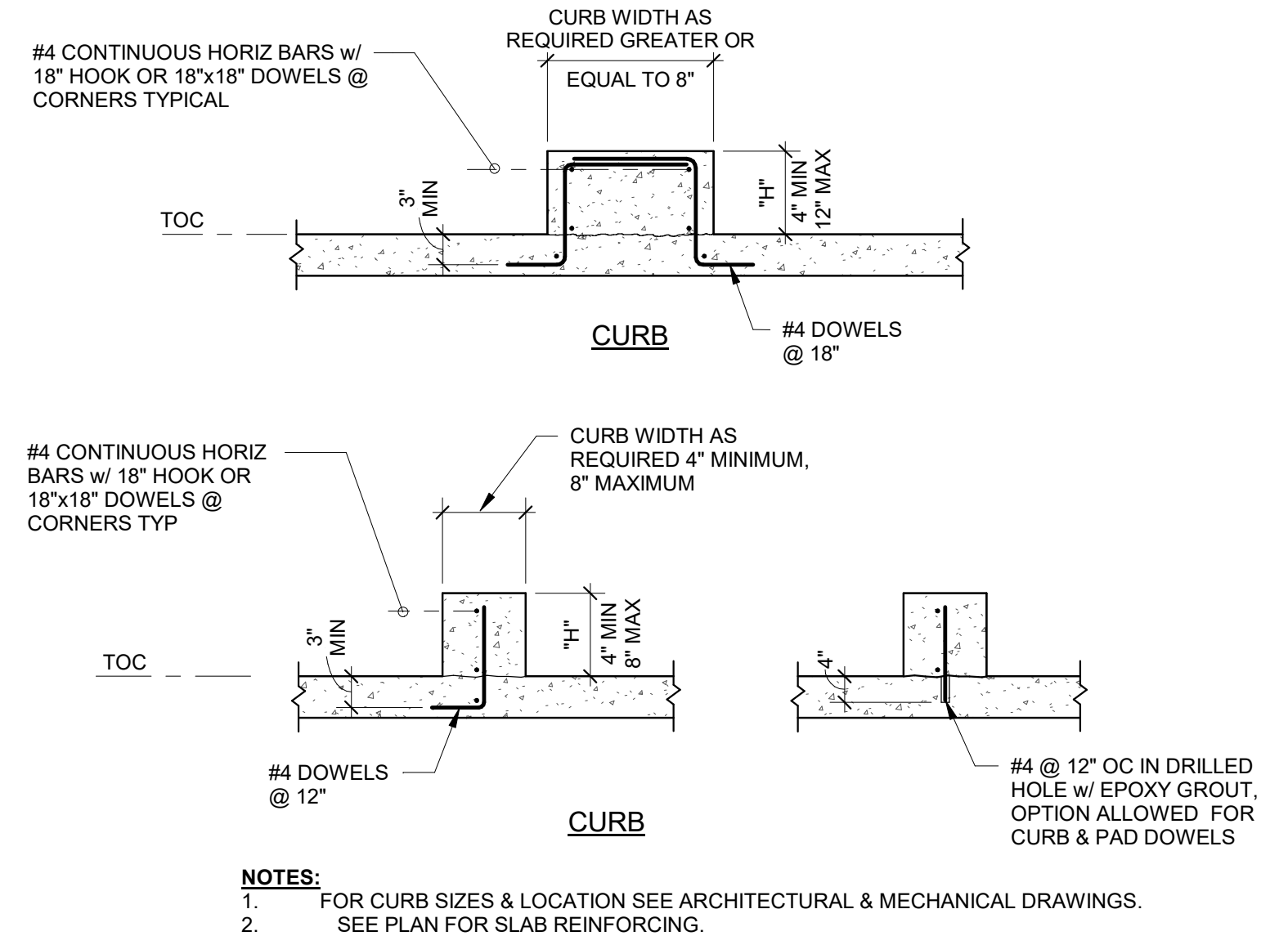


### 14 THICKENED SLAB EDGE AT METAL/GLAZING WALL

1" = 1'-0"

D

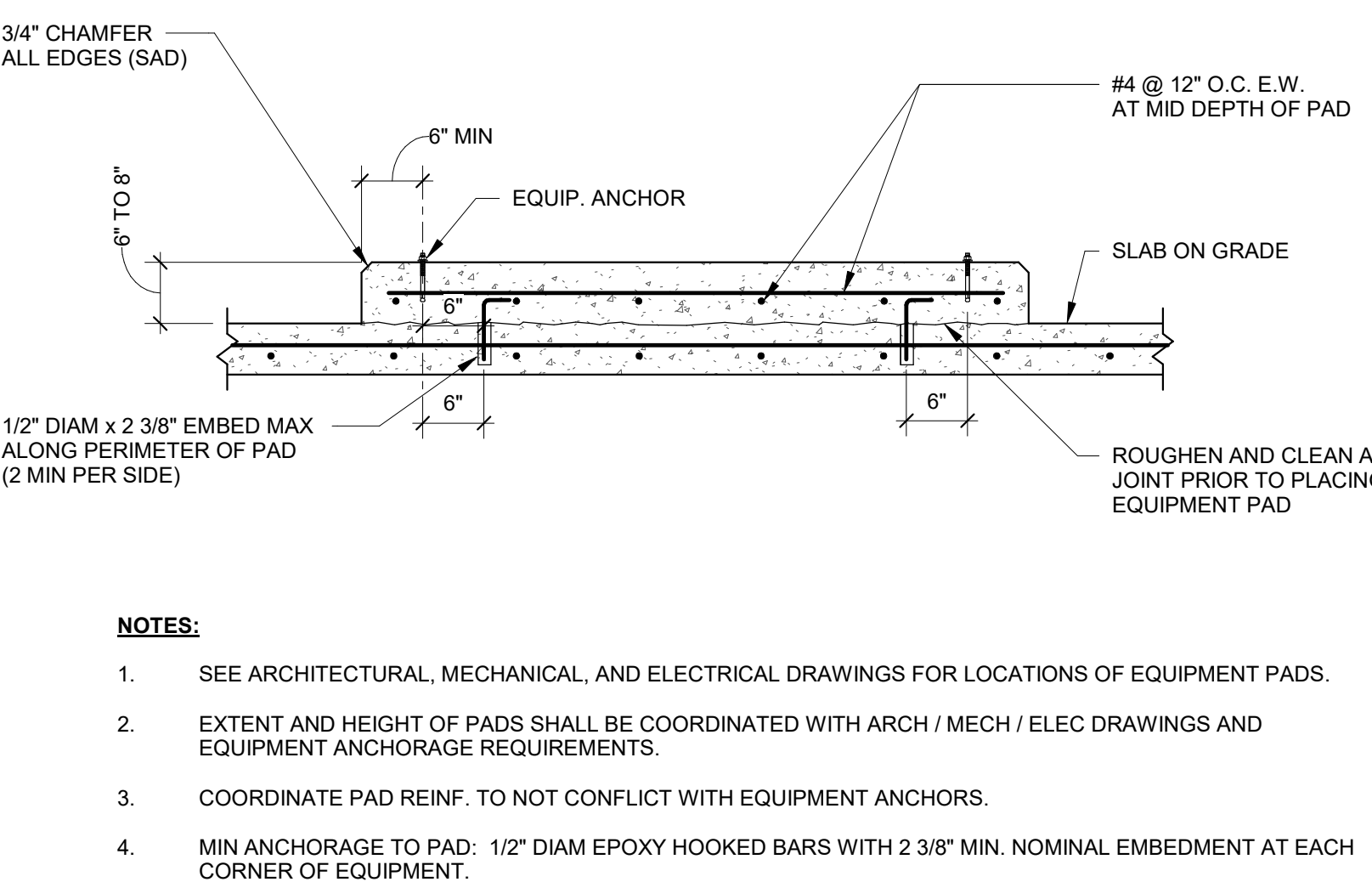
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### 15 CONCRETE CURB DETAILS

NTS

B

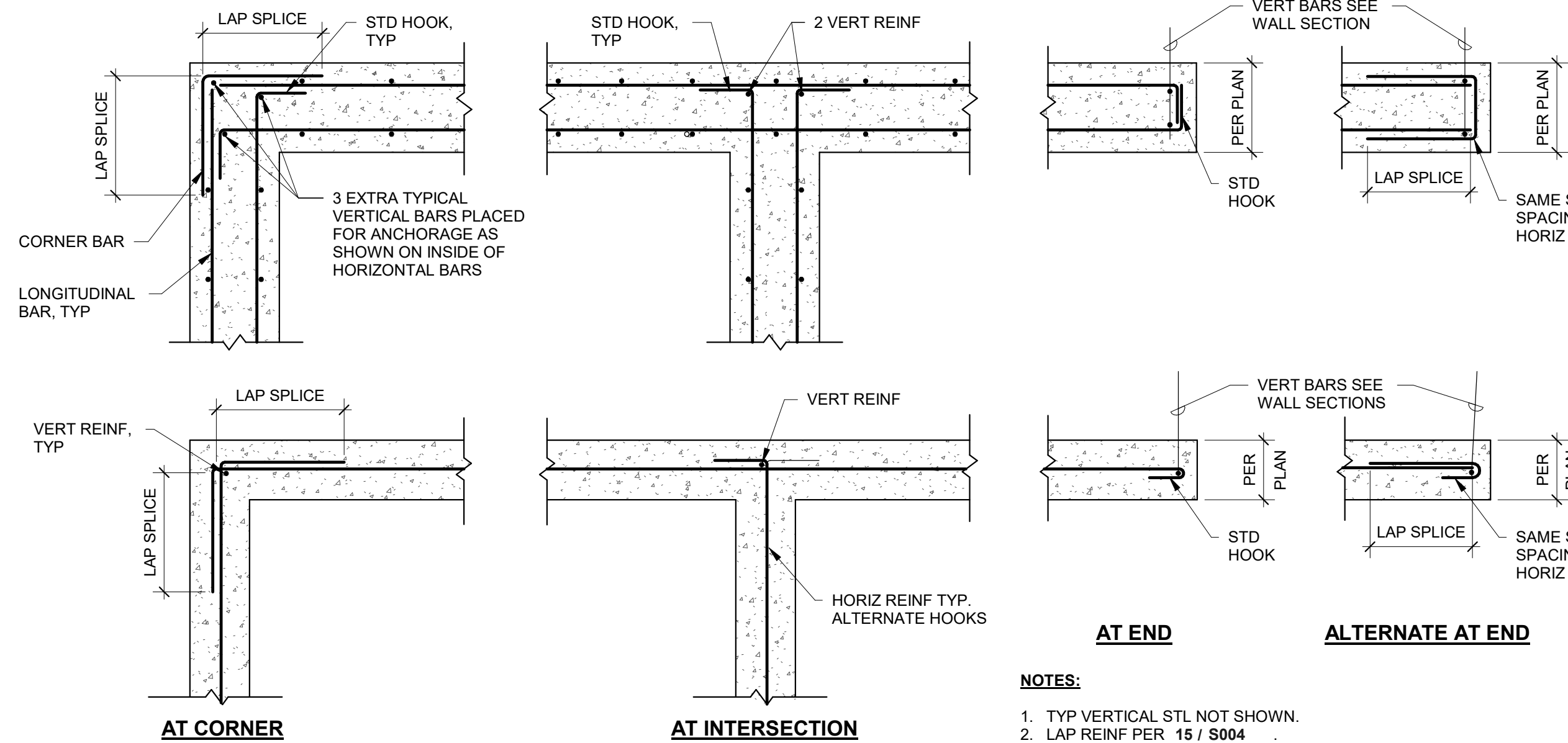


### 16 CONCRETE PAD ON SLAB-ON-GRADE

NTS

A

### TWO CURTAINS REINF PLAN VIEW

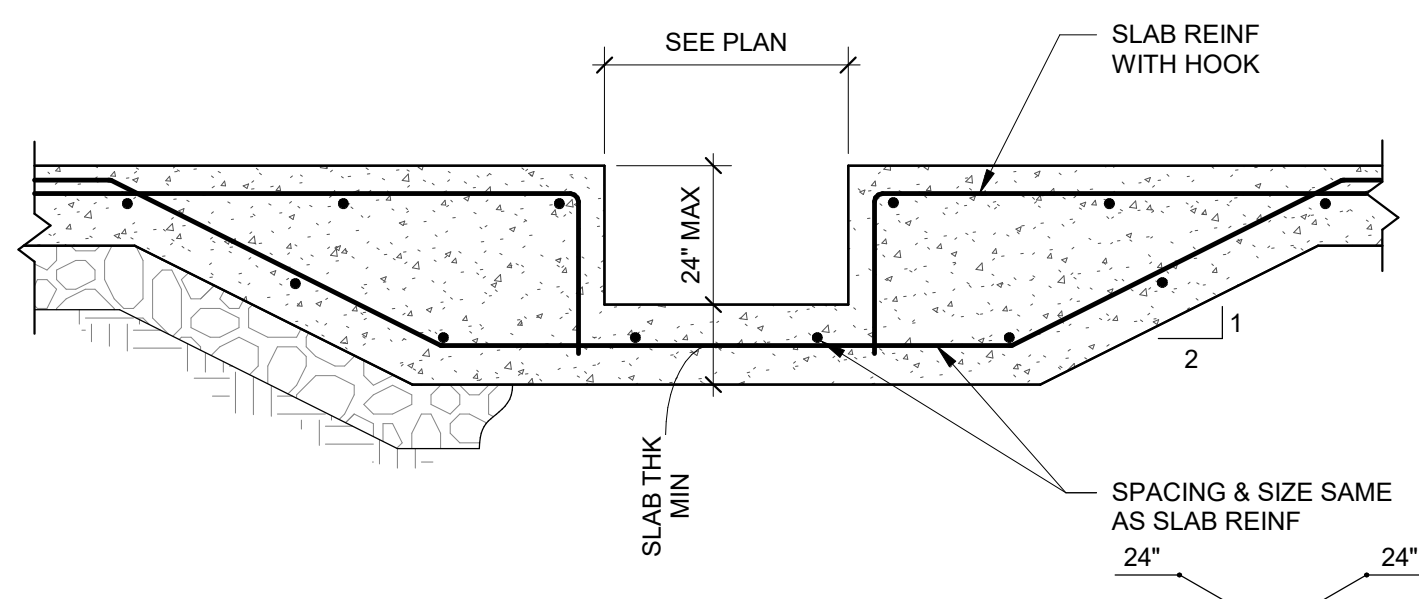


### SINGLE CURTAIN PLAN VIEW

### 9 CONCRETE WALL REINF. AT CORNERS / INTERSECTIONS

NTS

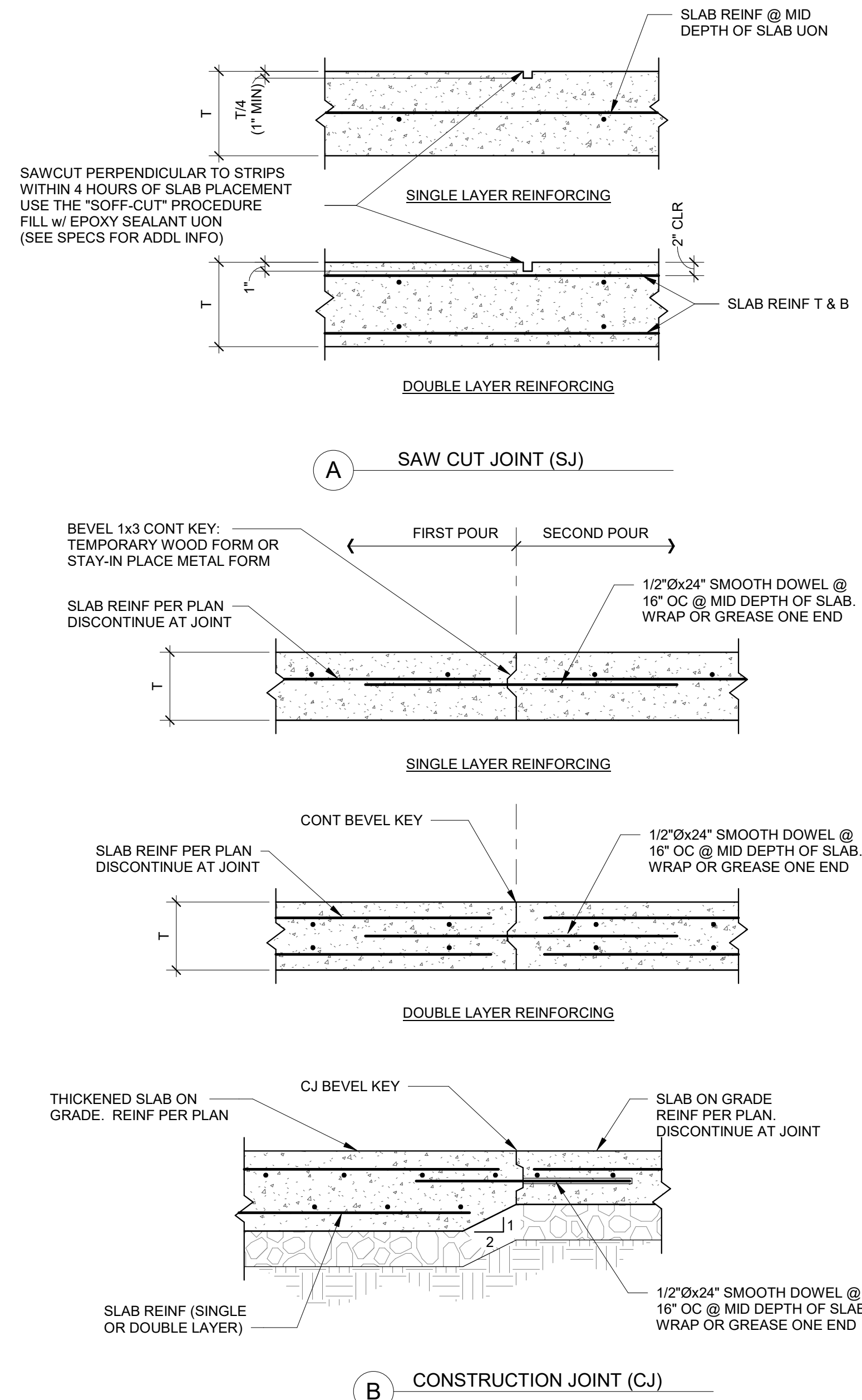
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### 10 TRENCH IN CONCRETE SLAB-ON-GRADE

NTS

10



### 12 SLAB JOINTS FOR CONCRETE SLAB-ON-GRADE

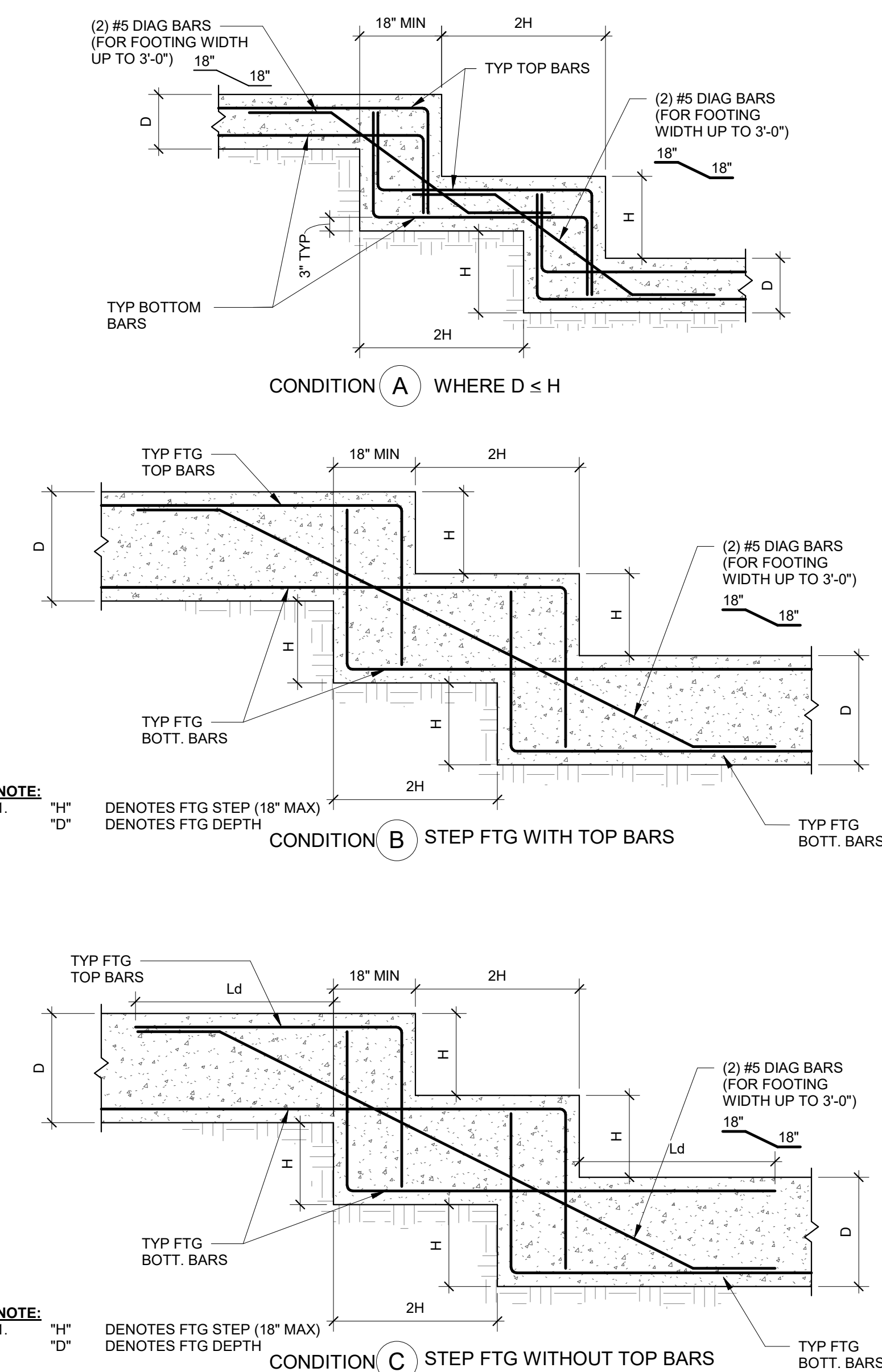
NTS

12

### 8 STEPPED CONCRETE FOOTING DETAIL

NTS

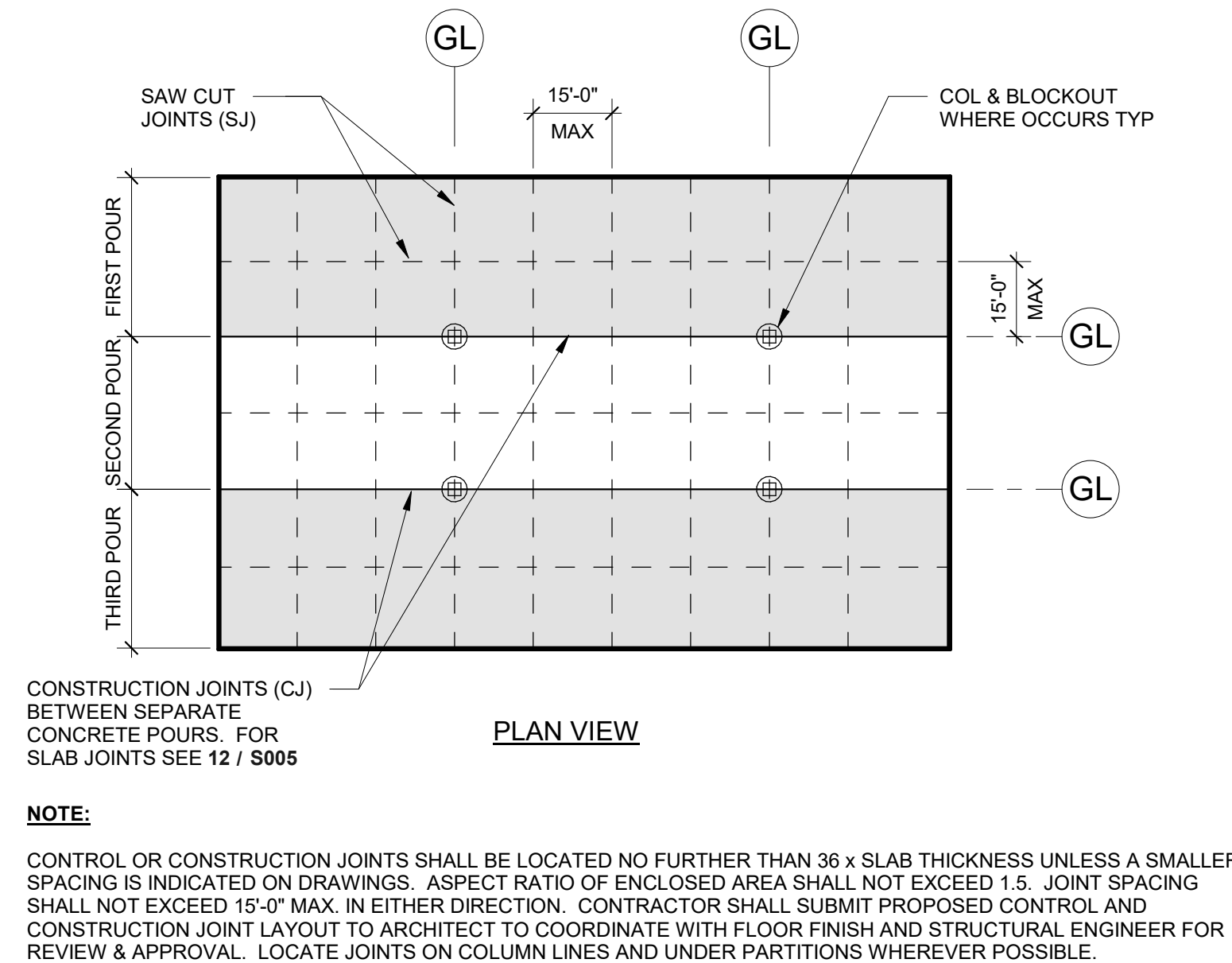
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### 6 JOINT LAYOUT FOR CONCRETE SLAB-ON-GRADE

NTS

6



NOTES:  
1. TYP VERTICAL STL NOT SHOWN.  
2. LAP REINF PER 15 / S004

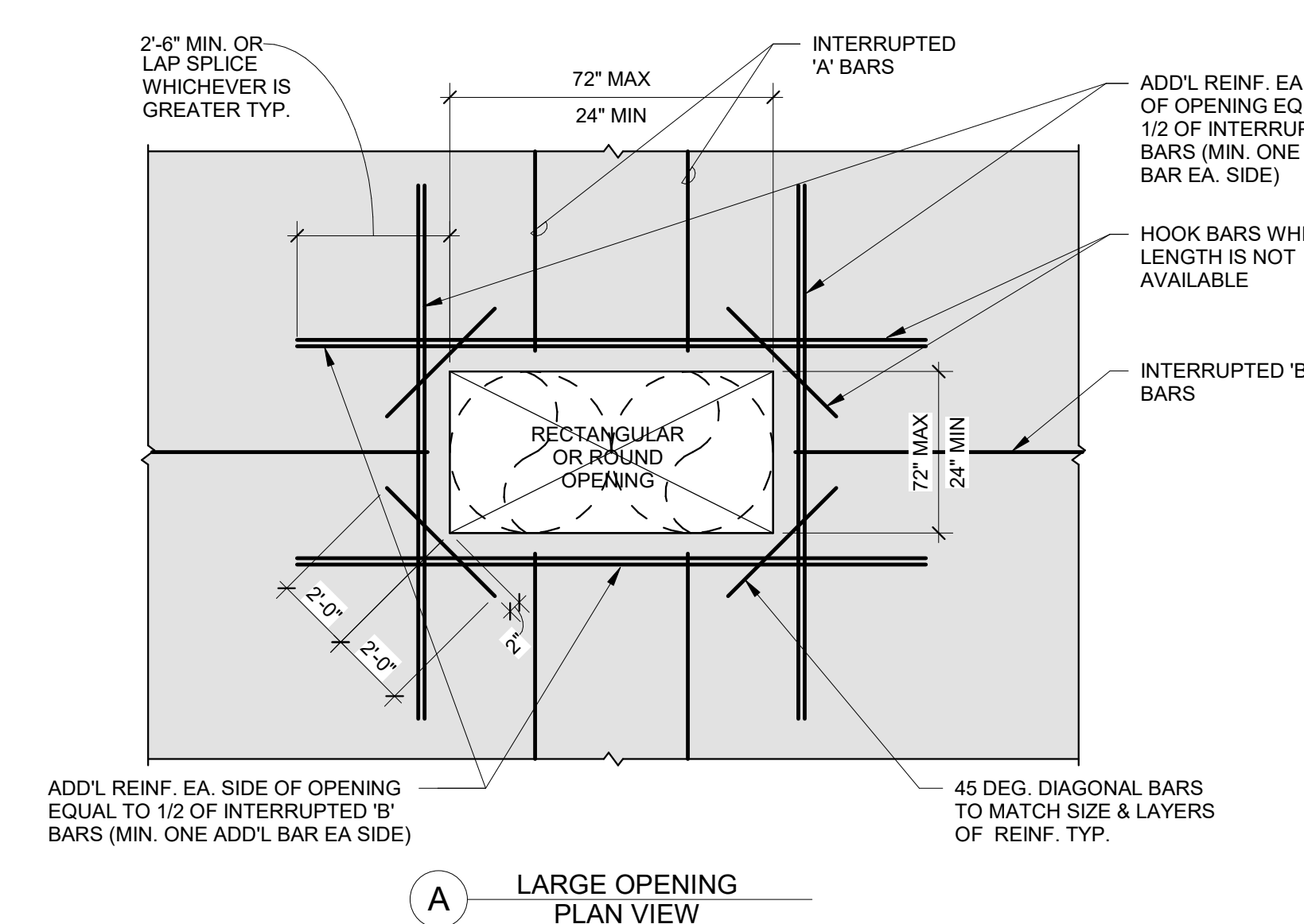
AT END

ALTERNATE AT END

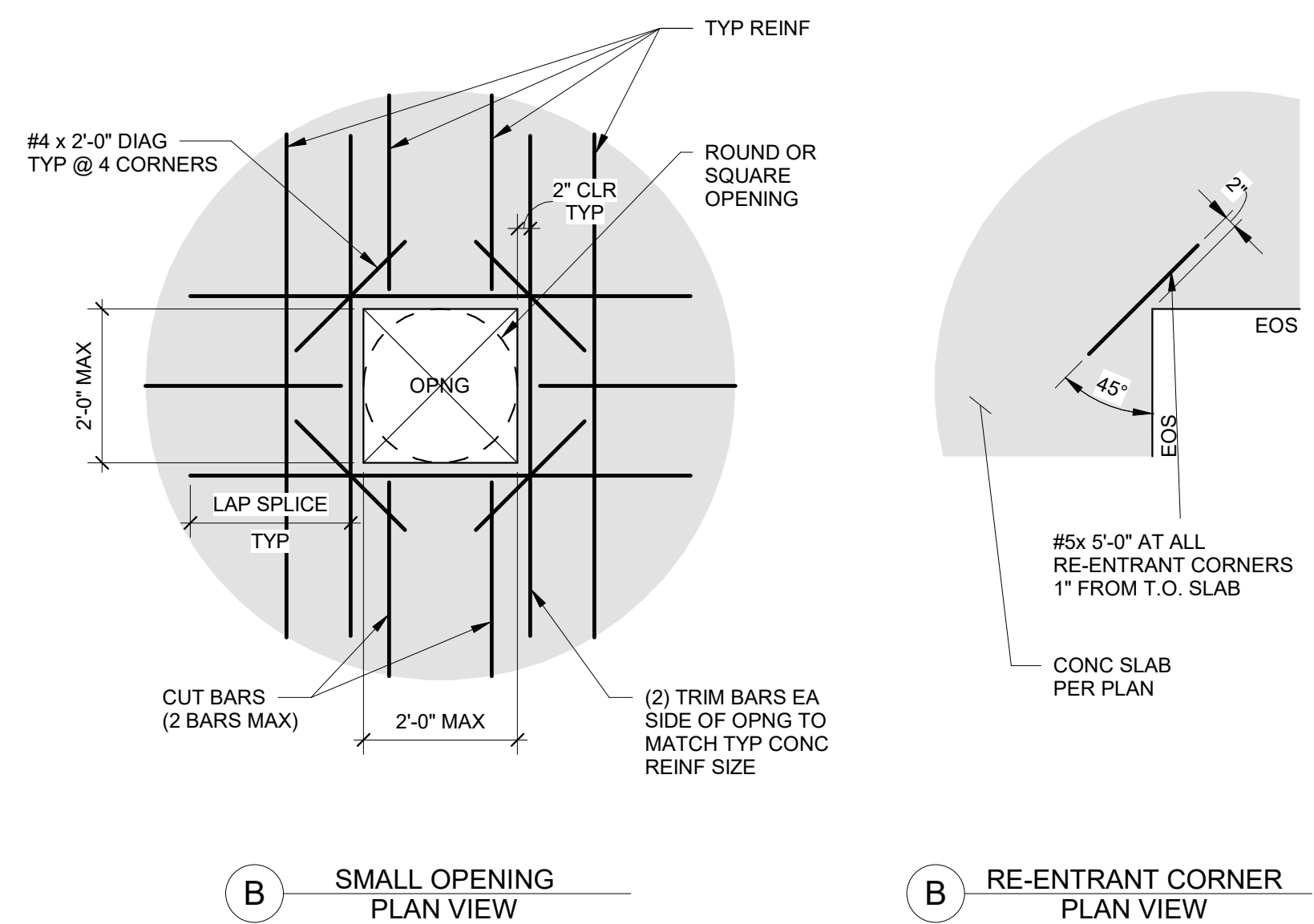
### 1 CONCRETE SLAB-ON-GRADE

NTS

1



### A LARGE OPENING PLAN VIEW



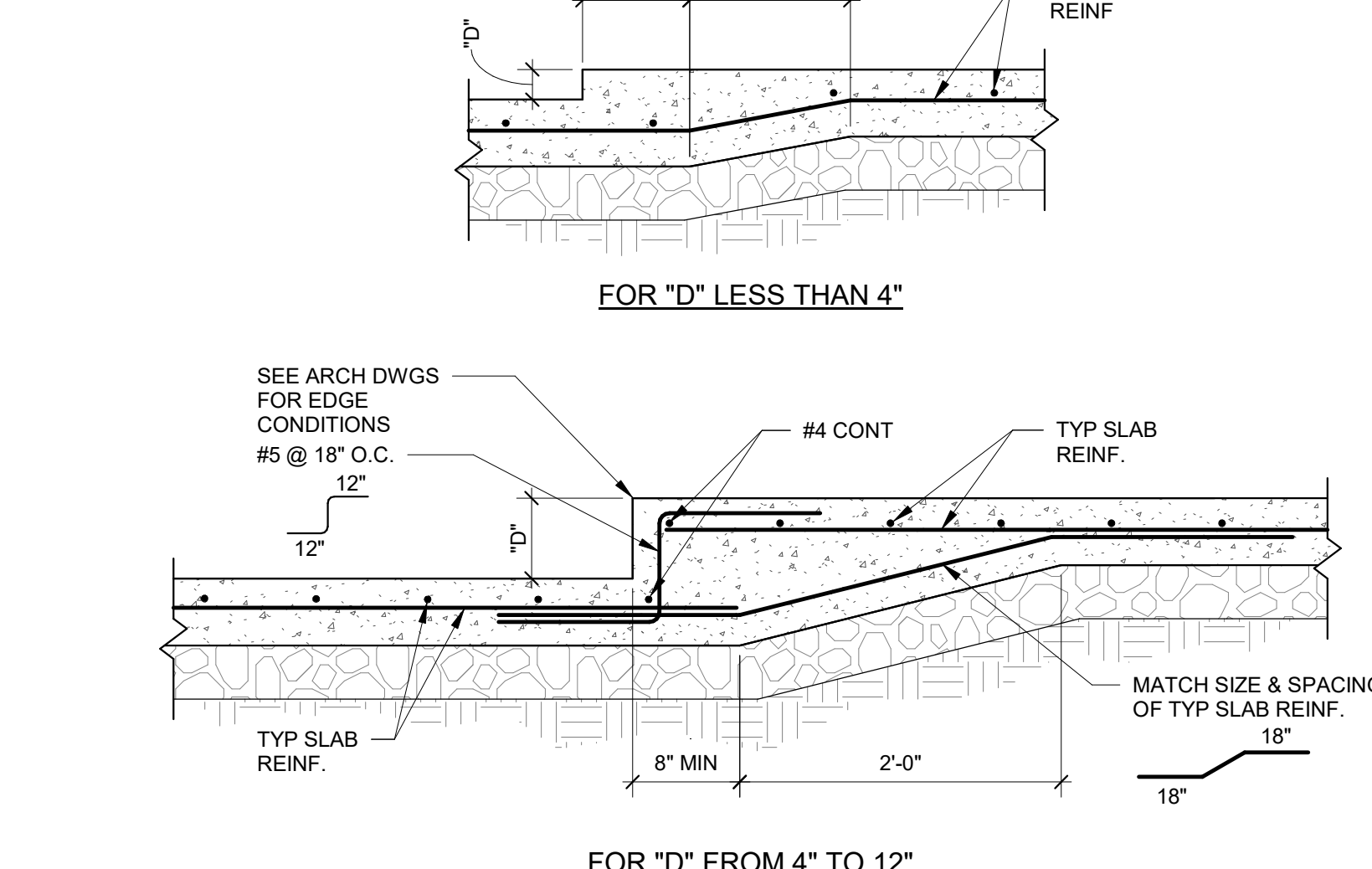
### B SMALL OPENING PLAN VIEW

### C RE-ENTRANT CORNER PLAN VIEW

### 3 OPENING IN CONCRETE SLAB-ON-GRADE

NTS

3



### 4 DEPRESSED SLAB IN CONCRETE SLAB-ON-GRADE

NTS

4



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8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100155 Bonnet Road, Suite 550  
650.367.8100San Mateo, CA 94402  
martinmartin.comCITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT402 Mast Avenue  
McFarland, CA 93250

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KEY PLAN

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NO.	DESCRIPTION	DATE

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APPROVED BY \_\_\_\_\_ MR  
CHECKED BY \_\_\_\_\_ PC  
DATE \_\_\_\_\_ 10/29/2025  
TITLE

TYP. CONCRETE  
DETAILS

PROJECT NO. \_\_\_\_\_ Project Number

S005

SHEET NO.











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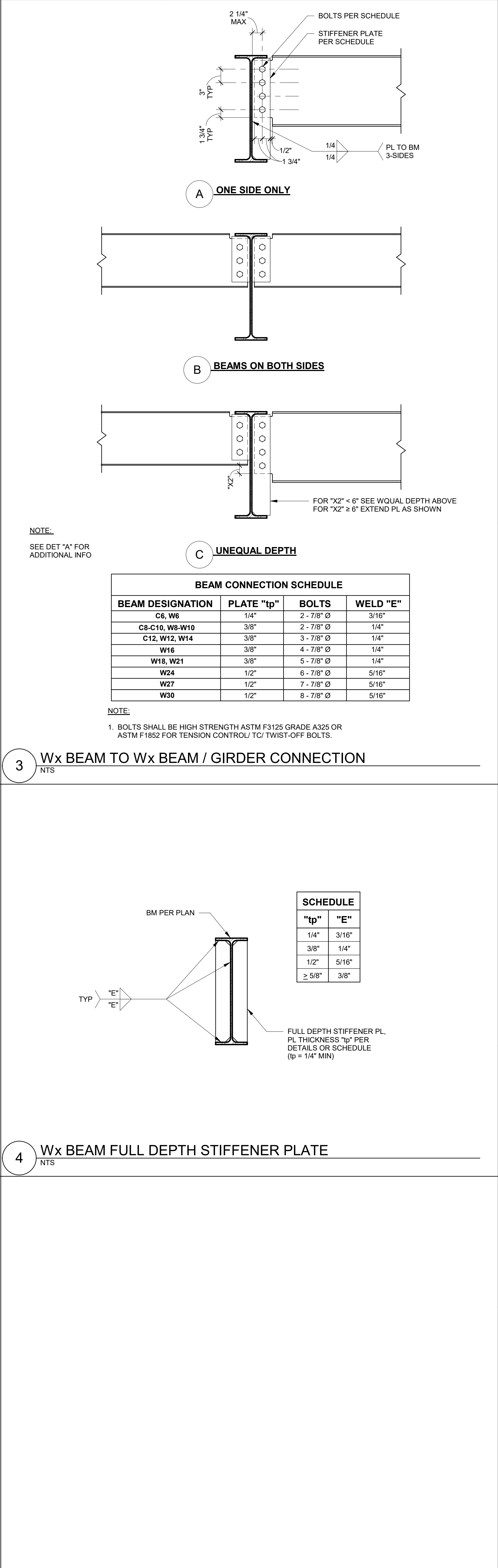
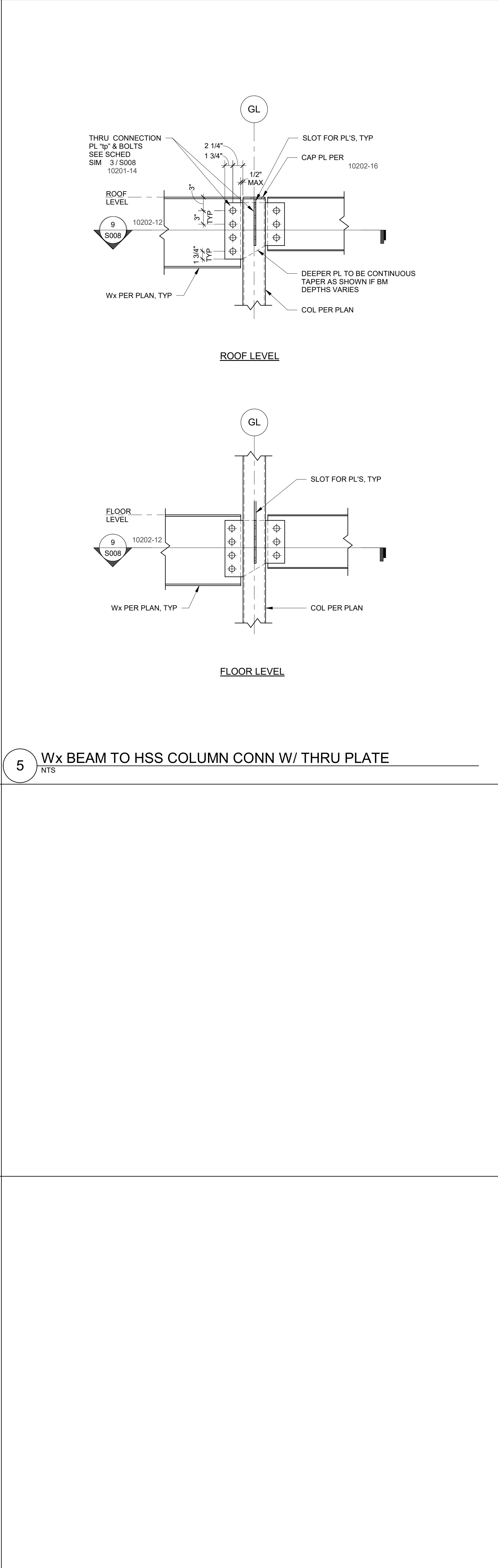
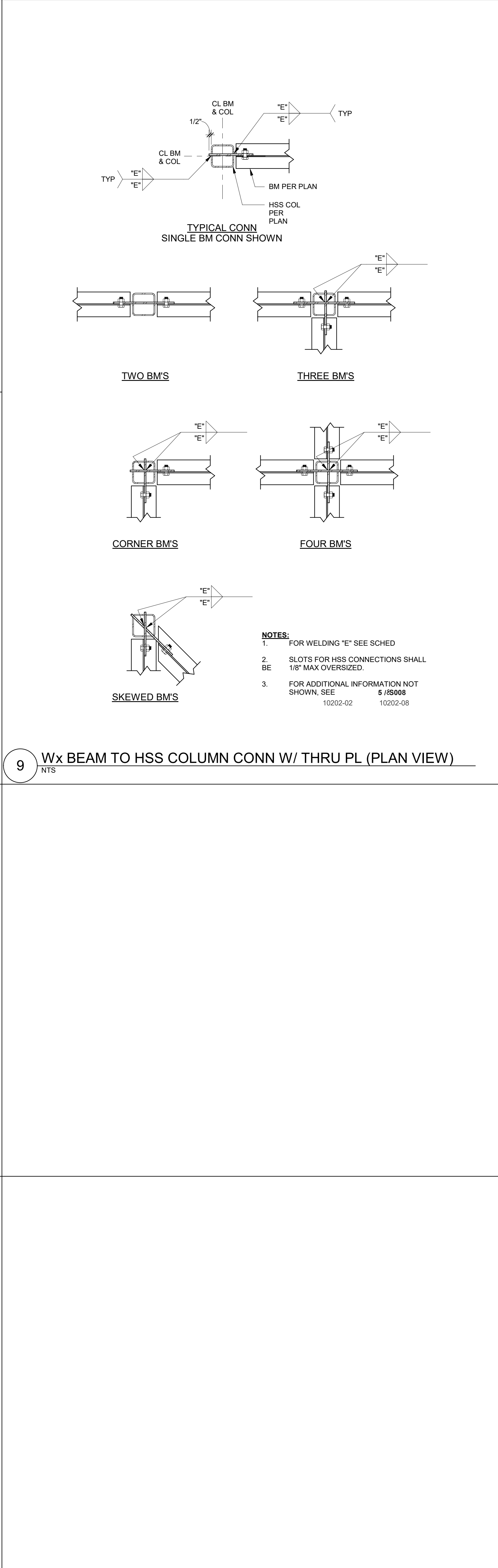
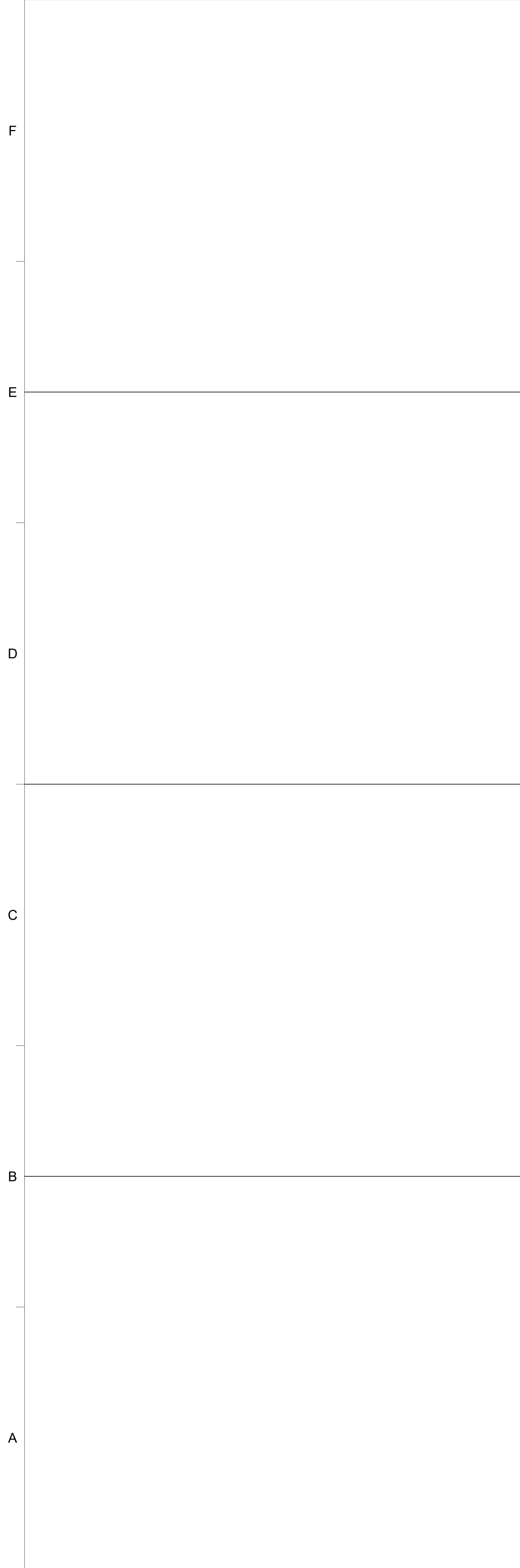
B

C

D

E

F



Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

MARTIN/MARTIN  
CONSULTING ENGINEERS  
155 Bonnet Road, Suite 550  
650.367.8100  
San Mateo, CA 94402  
martinmartin.com

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REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ YK

APPROVED BY \_\_\_\_\_ MR

CHECKED BY \_\_\_\_\_ PC

DATE \_\_\_\_\_ 10/29/2025

TITLE

TYP. STEEL DETAILS

PROJECT NO. \_\_\_\_\_ Project Number

S008

SHEET NO. \_\_\_\_\_



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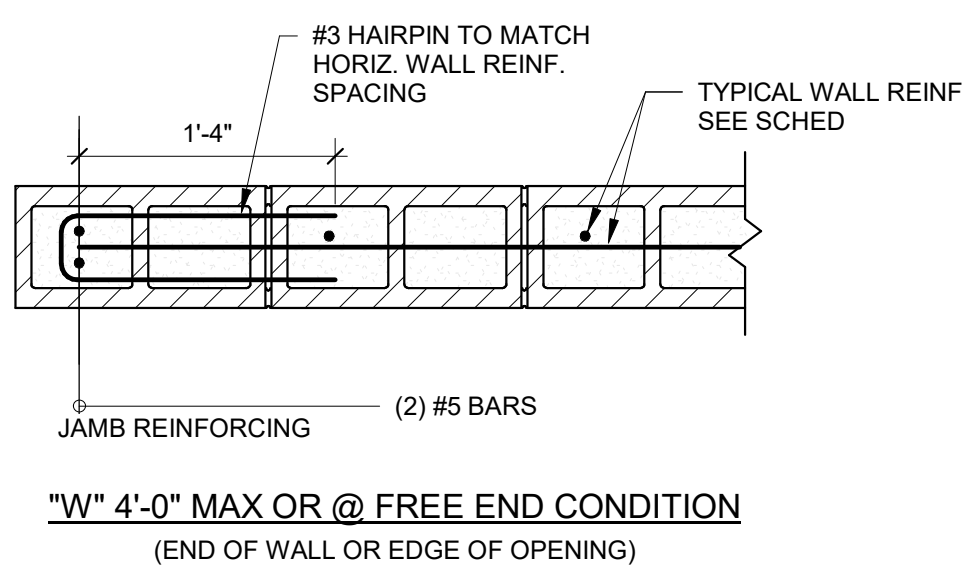
D

E

F

16 TYP CMU WALL REINFORCING AT ENDS & OPENING

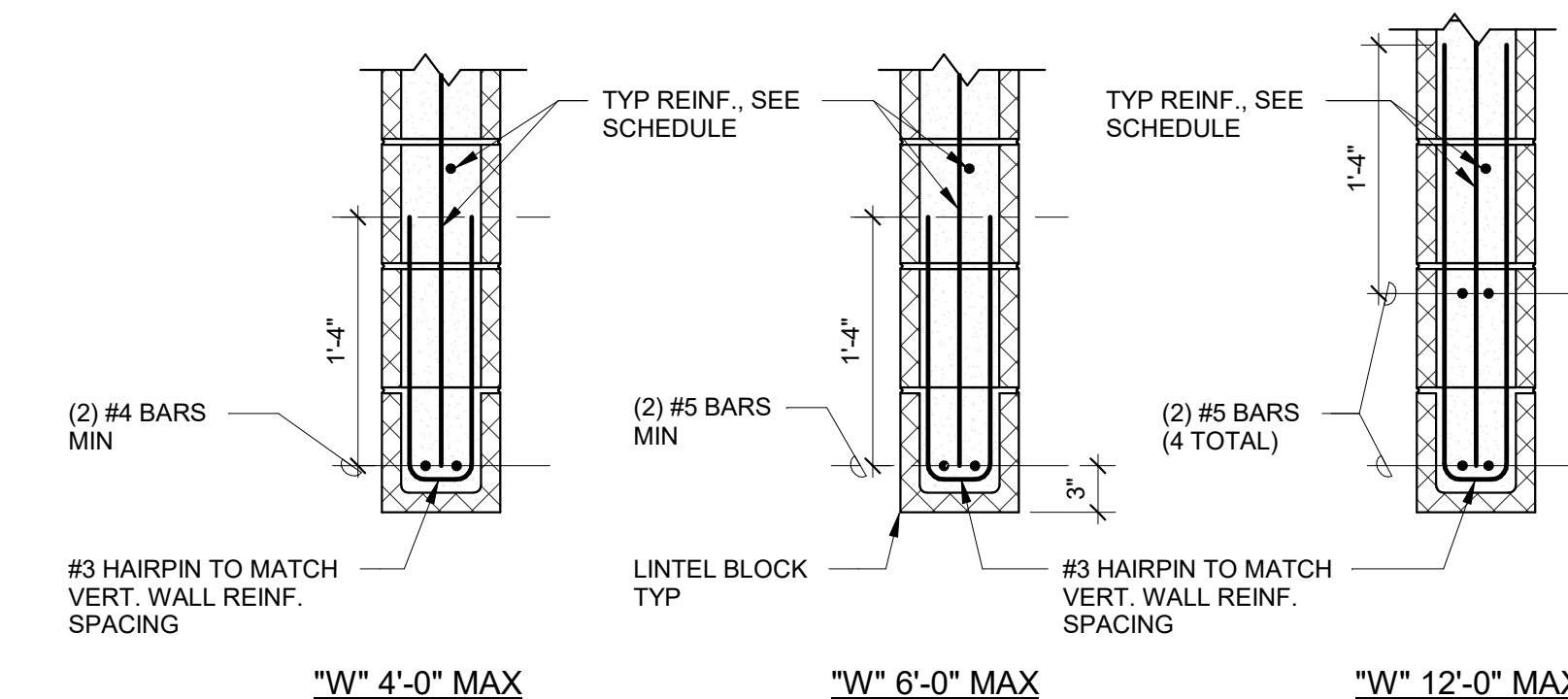
NTS



- NOTES:**
1. "W" INDICATES NOMINAL OPENING WIDTH IN CMU WALL.
  1. CONTINUE ALL JAMB BARS FULL HEIGHT OF WALL AT DOOR & WINDOW OPENINGS GREATER THAN 6'-0".
  2. ELECTRICAL CONDUIT REQUIRED NEAR THE EDGE OF ANY OPENING GREATER THAN 4'-0" SHALL NOT BE PLACED IN ANY CELLS CONTAINING JAMB REINFORCING.

12 CMU REINFORCING AT OPENINGS

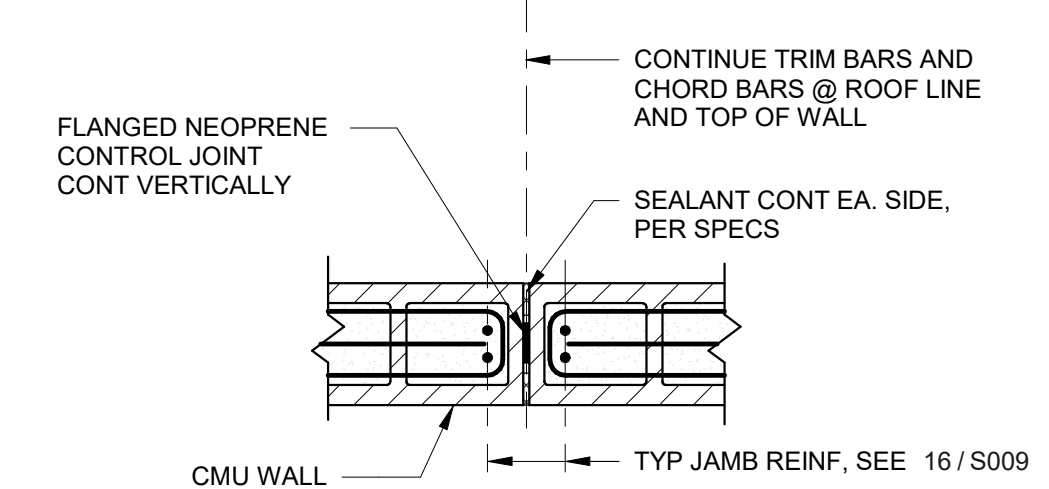
NTS



- NOTE:**
1. "W" INDICATES NOMINAL OPENING WIDTH IN CMU WALL.
  2. ALL LINTELS SHALL BE SHORED FOR MIN 28 DAYS AFTER GROUT PLACEMENT

8 CMU WALL CONTROL JOINTS

NTS



- NOTE:**
- REFER TO ELEVATION FOR CONTROL JOINTS. OTHERWISE, CONTRACTOR TO LOCATE CONTROL JOINTS 24'-0" OC MAX @ EXT WALLS, 40'-0" OC MAX @ INT WALLS.

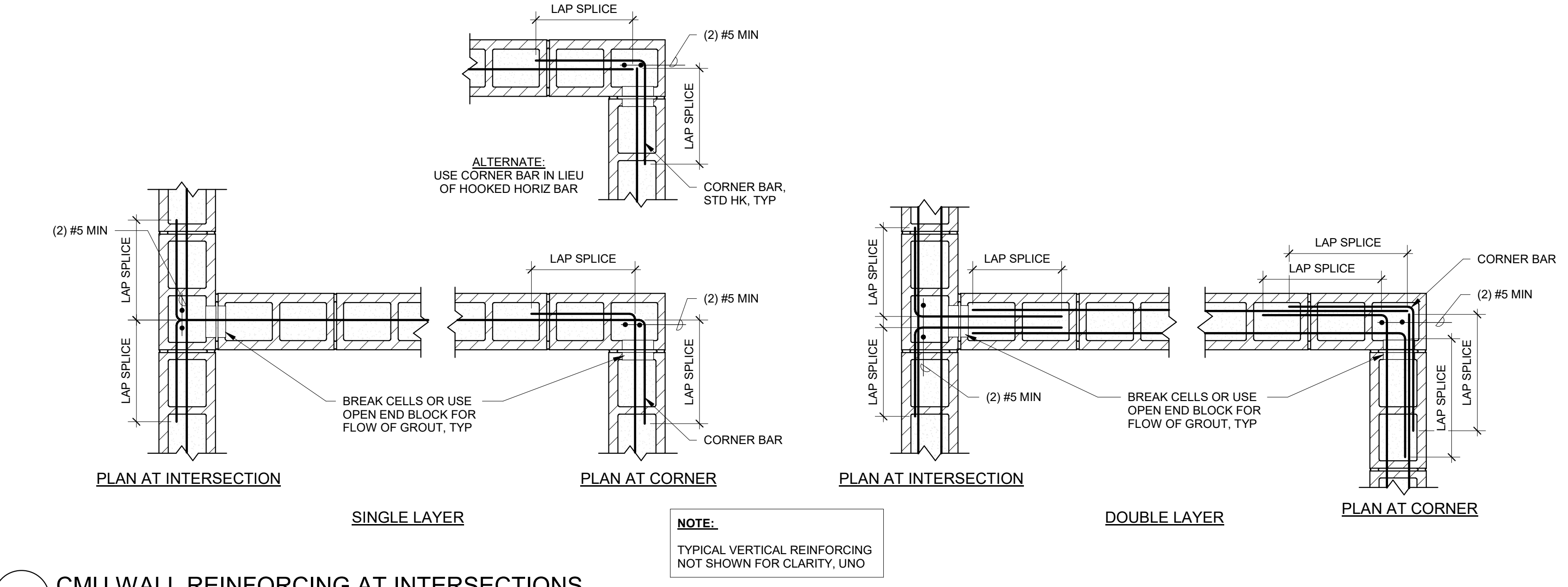
6 TYPICAL REINFORCING ELEVATION AT CMU WALLS

NTS

- NOTES:**
1. "W" DENOTES WIDTH OF OPENINGS. SEE ARCH DWGS FOR SIZE & LOCATION. "b" DENOTES DIMENSION BETWEEN OPENINGS. SEE ARCH DWGS.
  2. DO NOT PLACE ELECTRICAL CONDUIT IN THE SAME CELL AS VERTICAL JAMB BARS.
  3. MASONRY WALL PIERS SHALL NOT BE LESS THAN 15 5/8" WIDE.
  4. FOR 12" CMU WALLS, REINFORCING SHOWN OCCURS AT EACH FACE.
  5. ALL HORIZONTAL REINFORCING IN CMU BEARING WALLS SHALL TERMINATE WITH 90° OR 180° STANDARD HOOK AND SHALL BE ANCHORED AROUND VERTICAL REINFORCING BARS. WHERE HORIZ BARS ARE SPACED @ 8" OC, ALT HOOK EVERY OTHER BAR.
  6. SEE PLAN FOR WALL REINFORCING.
  7. CONDUITS, PIPES AND SLEEVES IN MASONRY SHALL BE NO CLOSER THAN 3 DIAMETERS ON CENTER. MINIMUM SPACING OF CONDUITS, PIPE OR SLEEVES OF DIFFERENT DIAMETERS SHALL BE DETERMINED USING THE LARGER DIAMETER. VERTICAL CONDUITS, PIPES OR SLEEVES PLACED IN MASONRY COLUMNS OR PILASTERS SHALL NOT DISPLACE MORE THAN 2 PERCENT OF THE NET CROSS SECTION.
  8. PENETRATIONS ARE NOT ALLOWED WITHIN 2 COURSES BELOW BEAM EMBEDS, OR POCKETS, OR CHORD BARS.

7 CMU WALL REINFORCING AT INTERSECTIONS

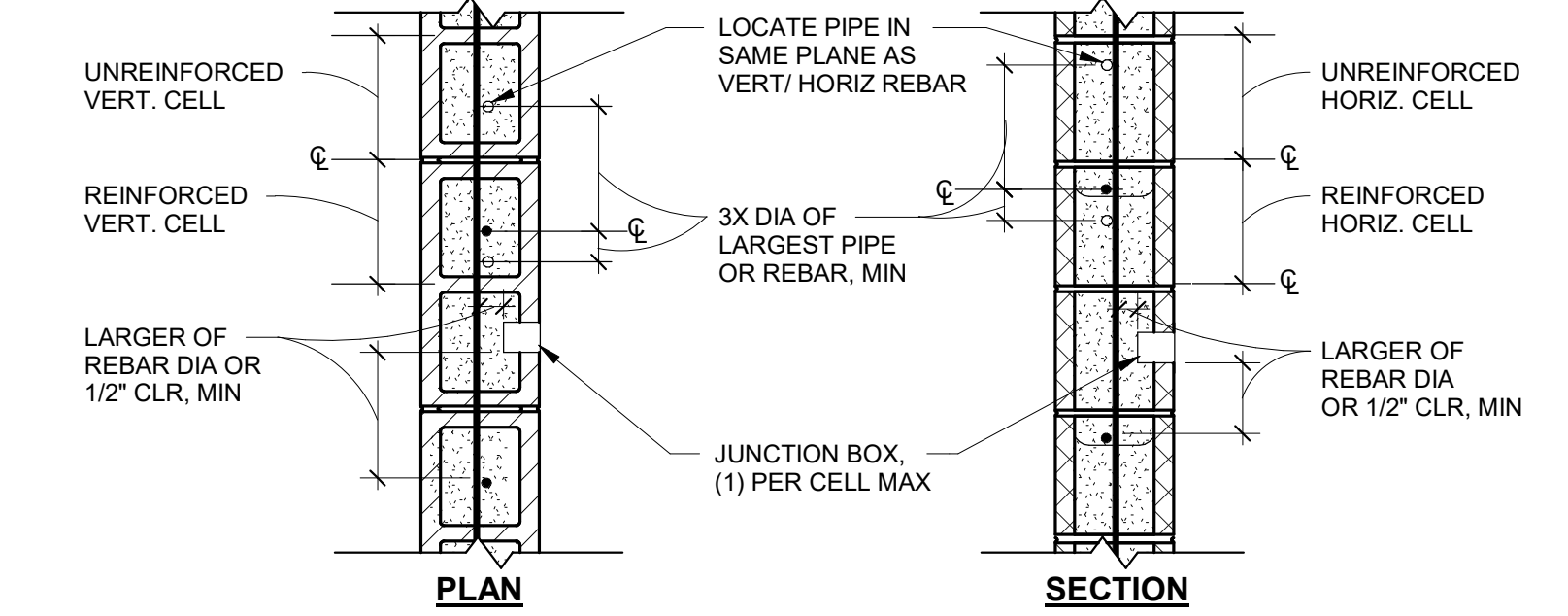
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- NOTE:**
- TYPICAL VERTICAL REINFORCING NOT SHOWN FOR CLARITY, UNO

4 MAX PIPE/CONDUIT EMBED CRITERIA IN CMU WALLS

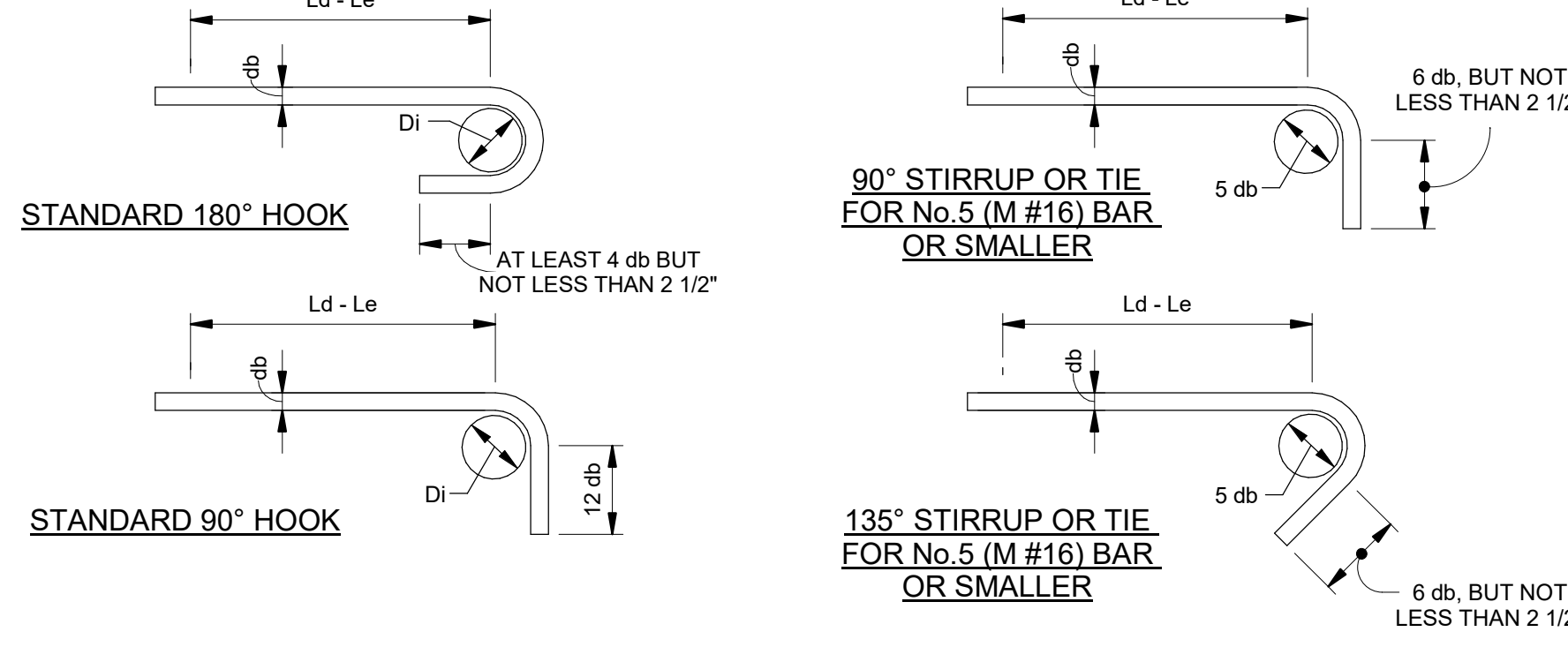
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MAX QUANTITY OF PIPES PER CELL												
NOMINAL WALL THICKNESS	1/2" DIA		3/4" DIA		1" DIA		1 1/4" DIA		1 1/2" DIA		COMMENTS	
	R	U	R	U	R	U	R	U	R	U		
6"	1	2	-	1	-	-	-	-	-	-	R = REINFORCED CELL U = UNREINFORCED CELL	
8"	2	3	1	2	-	1	-	-	-	-		

- NOTES:**
1. PIPE AS NOTED SHALL REFER TO: PIPES, CONDUITS OR SLEEVES.
  2. ONLY RIGID PIPES ARE PERMITTED. NO ALUMINUM PERMITTED. DO NOT CROSS PIPES.
  3. PIPES SHALL NOT BE EMBEDDED THAT WILL CONTAIN LIQUID, GAS, OR VAPORS: AT TEMPERATURES HIGHER THAN 150°F, UNDER PRESSURES IN EXCESS OF 55 PSI, OR SUBJECT TO FREEZING.
  4. WRAP PIPE SWEEPS & FITTINGS W/ 1/8" MIN THICK FOAM TAPE.
  5. WHEN POSSIBLE LOCATE PIPES & JUNCTION BOXES IN CELLS THAT ARE UNREINFORCED. WHERE SPACING OR CLEARANCE CANNOT BE MAINTAINED OR REBAR IS INTERRUPTED, PROVIDE REINF AS REQ FOR TYPICAL MASONRY OPENING.
  6. PLACE PIPE & FOAM TAPE 1/2" MIN CLR FROM INTERIOR MASONRY SURFACES.
  7. EMBEDDED PIPES SHALL NOT CROSS MASONRY DOWEL, CONTROL, KEY OR RAKE JOINTS.

REINFORCEMENT STANDARD HOOK IN TENSION							
BAR SIZE	DI (IN)	180 HOOK 4db EXTENSION (IN)	STIRRUPS & TIES 6db EXTENSION (IN)	90 HOOK 12db EXTENSION (IN)	Le 13db	Ld - Le	
#3	2.3	2.5	2.5	4.5	4.9	7.1	
#4	3.0	2.5	3.0	6.0	6.5	8.5	
#5	3.8	2.5	3.8	7.5	8.1	14.9	
#6	4.5	3.0	NP	9.0	9.8	33.3	
#7	5.3	3.5	NP	10.5	11.4	48.6	
#8	6.0	4.0	NP	12.0	13.0	59.0	
#9	9.0	4.5	NP	13.5	14.7	-	
#10	10.2	5.1	NP	15.2	16.5	-	
#11	11.3	5.6	NP	16.9	18.3	-	



13 CMU REINF DEVELOPMENT LENGTHS & LAP SPLICES

NTS

REINFORCED MASONRY f'm = 1500 PSI CONCRETE BLOCK											
REINFORCEMENT SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11		
LENGTHS (IN)	12	15	23	43	60	72	*	*	*		

REINFORCED MASONRY f'm = 2000 PSI CONCRETE BLOCK											
REINFORCEMENT SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11		
LENGTHS (IN)	12	15	20	38	52	72	*	*	*		

\* WELDED SPLICE (DIRECT BUTT SPLICES-FULL PENETRATION)  
#5 AND SMALLER, SINGLE BEVEL GROOVE WELD  
#6 AND LARGER, DOUBLE BEVEL GROOVE WELD

WELDS SHALL HAVE THE ABILITY TO DEVELOP 125 PERCENT OF THE YIELD STRENGTH FOR THE SPLICED REINFORCEMENT (75 KSI)

MECHANICAL CONNECTORS  
MECHANICAL CONNECTORS SHALL BE TENSION-COMPRESSION TYPE WITH THE ABILITY TO DEVELOP 125% OF THE YIELD STRENGTH FOR THE SPLICED REINFORCEMENT (75 KSI). ALSO, MECHANICAL CONNECTORS SHALL HAVE AND BE INSTALLED PER AN ICC EVALUATION REPORT.

MAIN BAR  
SPlice BAR  
3db + 1/8" MIN  
USE WELD SPLICE OR MECHANICAL CONNECTOR IF THE LAP SPLICE REINFORCEMENT DOES NOT HAVE A MINIMUM SPACING 3db + 1/8 INCHES.

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

**Dewberry**

Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

**MARTIN/MARTIN**  
CONSULTING ENGINEERS  
155 Bonnet Road, Suite 550  
650.367.8100  
San Mateo, CA 94402  
martinmartin.com

SEAL

KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ YK  
APPROVED BY \_\_\_\_\_ MR  
CHECKED BY \_\_\_\_\_ PC  
DATE \_\_\_\_\_ 10/29/2025  
TITLE \_\_\_\_\_

TYP. CMU DETAILS

PROJECT NO. \_\_\_\_\_ Project Number \_\_\_\_\_

S009

SHEET NO.



10/16/2025 4:02:51 PM

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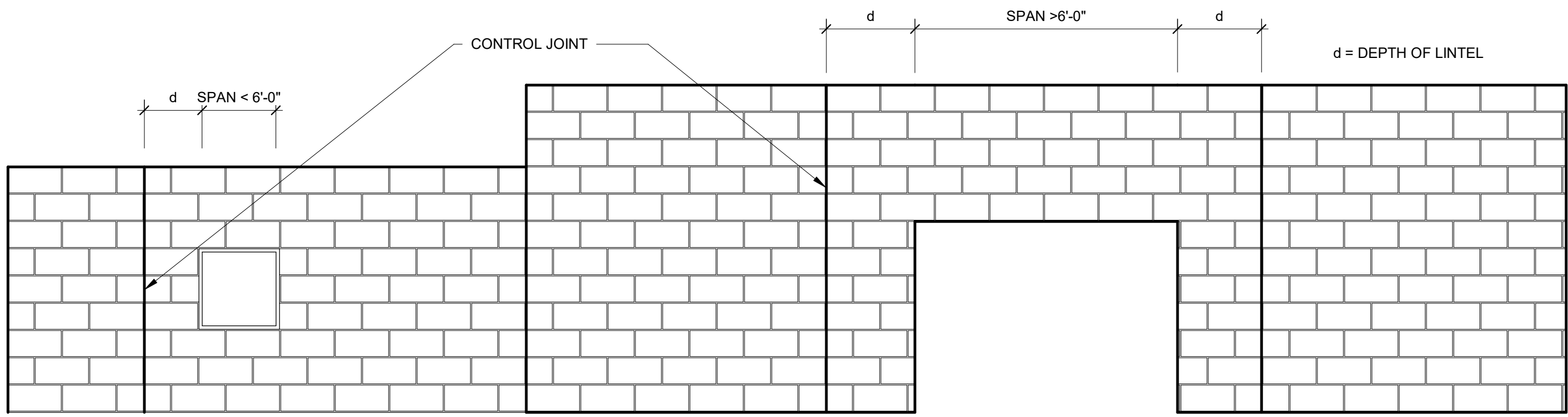
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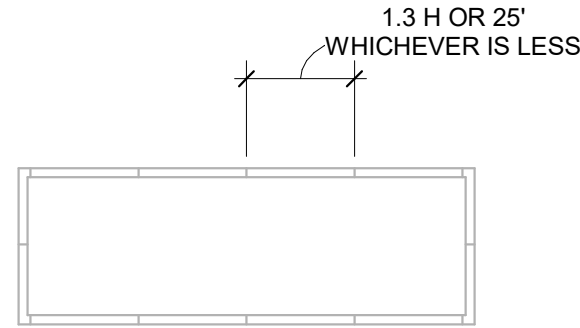
CRITERIA FOR CONTROLLING CRACKING IN REINFORCED CONCRETE MASONRY WALLS			
		CRACK CONTROL COEFFICIENT	
		in/in	(mm/mm)
MAXIMUM WALL PANEL DIMENSIONS	LENGTH, FT (m)	0.0010 25 (7.62)	0.0015 20 (6.10)
	LENGTH / HEIGHT RATIO	2 1/2	2
MINIMUM HORIZONTAL		0.0007	0.0007

- $A_s$  = CROSS-SECTIONAL AREA OF STEEL,  $\text{in}^2$  / FT ( $\text{mm}^2$  / m).
- $A_n$  = NET CROSS-SECTIONAL AREA OF MASONRY,  $\text{in}^2$  / FT ( $\text{mm}^2$  / m).
- MAXIMUM WALL PANEL DIMENSION CRITERIA NEED NOT APPLY FOR WALLS WITH A MINIMUM HORIZONTAL REINFORCEMENT AREA,  $A_s$ , OF 0.002 TIMES THE NET CROSS SECTIONAL AREA OF THE MASONRY,  $A_n$ .
- THE MINIMUM HORIZONTAL REINFORCEMENT RATIO CRITERIA NEED NOT APPLY FOR WALLS WITH A LENGTH NOT EXCEEDING ON HALF THE MAXIMUM LENGTH VALUES SHOWN ABOVE.
- CCC's LESS THAN 0.0010 MAY BE AVAILABLE IN SOME AREAS AND SPACING COULD BE ADJUSTED ACCORDINGLY FOR THIS AS WELL. THIS CRITERIA IS BASED ON AN ANALYTICAL STUDY OVER A WIDE GEO-GRAPHICAL AREA WITH WIDE TEMPERATURE AND MATERIAL PROPERTY VARIATIONS. CONTROL JOINT SPACING MAY BE ADJUSTED UP OR DOWN BASED ON LOCAL EXPERIENCE.
- AS SHRINKAGE IS RELATED TO MOISTURE CONTENT, CONSIDER USING THE HIGHER CRACK CONTROL COEFFICIENT FOR MASONRY UNITS THAT ARE WET FROM LACK OF PROTECTION WHILE STORED ON THE JOBSITE.
- MAXIMUM LINEAR SHRINKAGE = 0.00065.

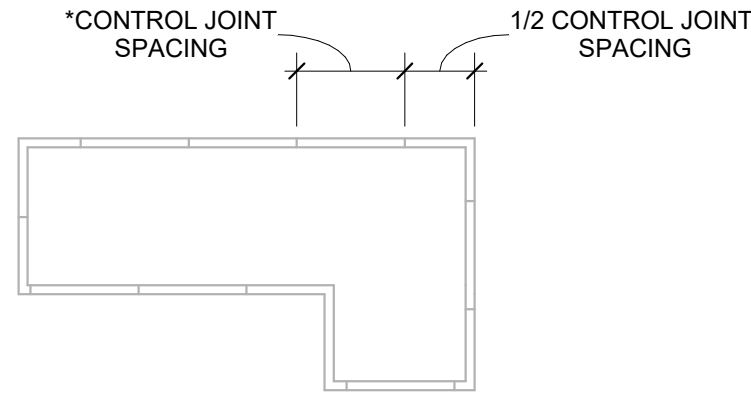
THIS DETAIL AS SHOWN IS INTENDED TO ILLUSTRATE A GENERAL CONCEPT OR METHOD OF CONSTRUCTION. DETAILS THAT SHOW DIFFERENT OR MODIFIED CONCEPTS OR METHODS CAN BE OF EQUAL VALIDITY AND SHOULD NOT BE EXCLUDED FROM CONSIDERATION. THIS DETAIL SHALL NOT BE USED FOR CONSTRUCTION WITHOUT THE APPROVAL AND SIGNATURE OF A LICENSED DESIGN PROFESSIONAL. THE PERSON USING THIS DETAIL SHALL BE RESPONSIBLE FOR ITS COMPLETE DESIGN AND PROPER APPLICATION.

#### SUGGESTED LOCATIONS & SPACING FOR CONTROL JOINTS IN CMU WALLS

10  
NTS



#### RECTANGULAR BUILDING PLAN



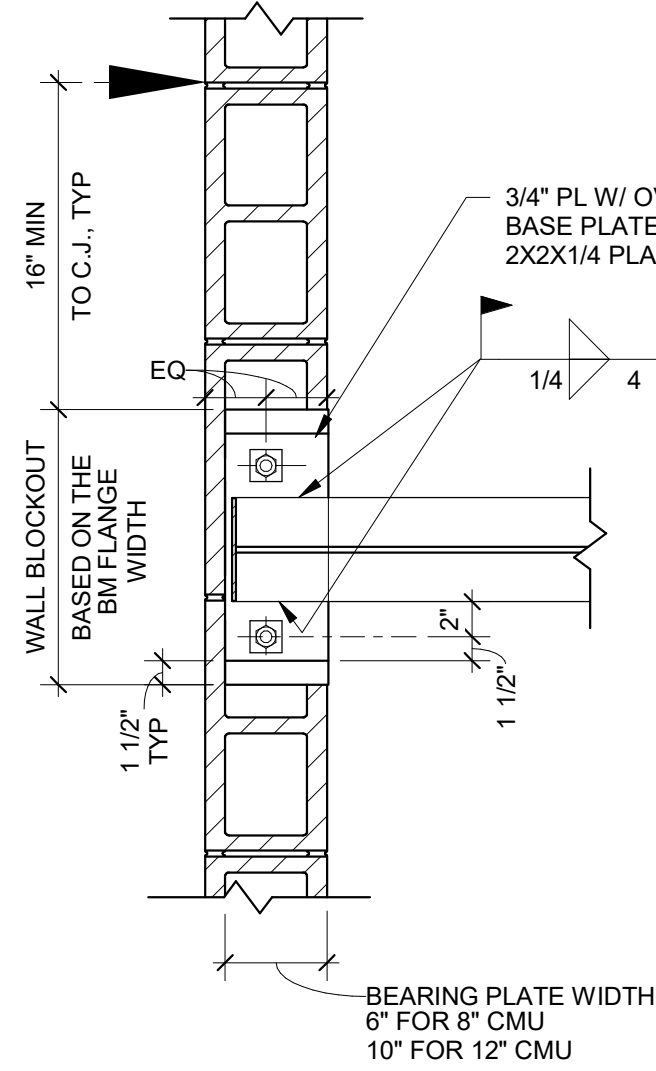
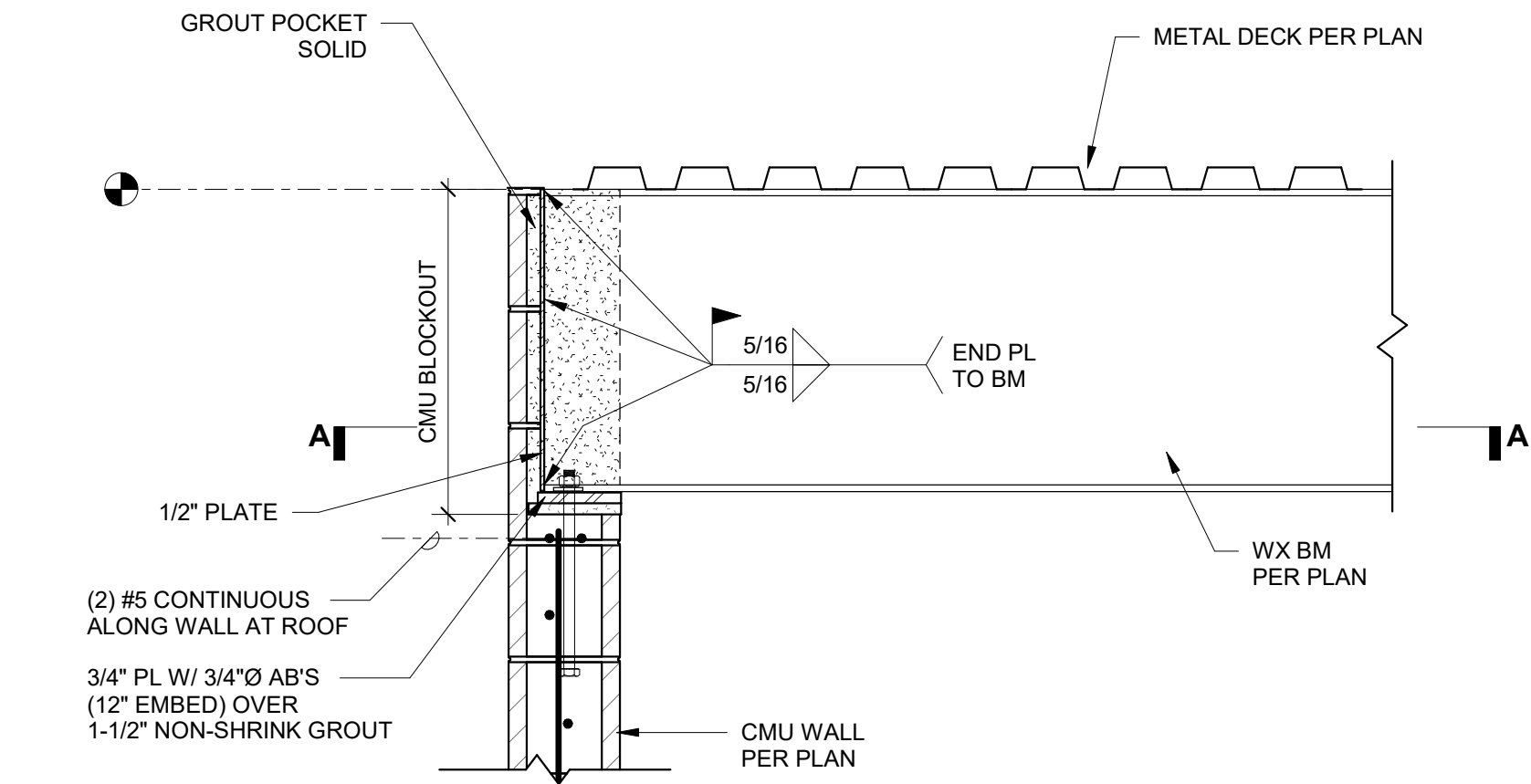
\*SEE FIGURE 5 FOR CONTROL JOINT SPACING

#### IRREGULAR BUILDING PLAN

THIS DETAIL AS SHOWN IS INTENDED TO ILLUSTRATE A GENERAL CONCEPT OR METHOD OF CONSTRUCTION. DETAILS THAT SHOW DIFFERENT OR MODIFIED CONCEPTS OR METHODS CAN BE OF EQUAL VALIDITY AND SHOULD NOT BE EXCLUDED FROM CONSIDERATION. THIS DETAIL SHALL NOT BE USED FOR CONSTRUCTION WITHOUT THE APPROVAL AND SIGNATURE OF A LICENSED DESIGN PROFESSIONAL. THE PERSON USING THIS DETAIL SHALL BE RESPONSIBLE FOR ITS COMPLETE DESIGN AND PROPER APPLICATION.

#### SUGGESTED CONTROL JOINT LOCATIONS

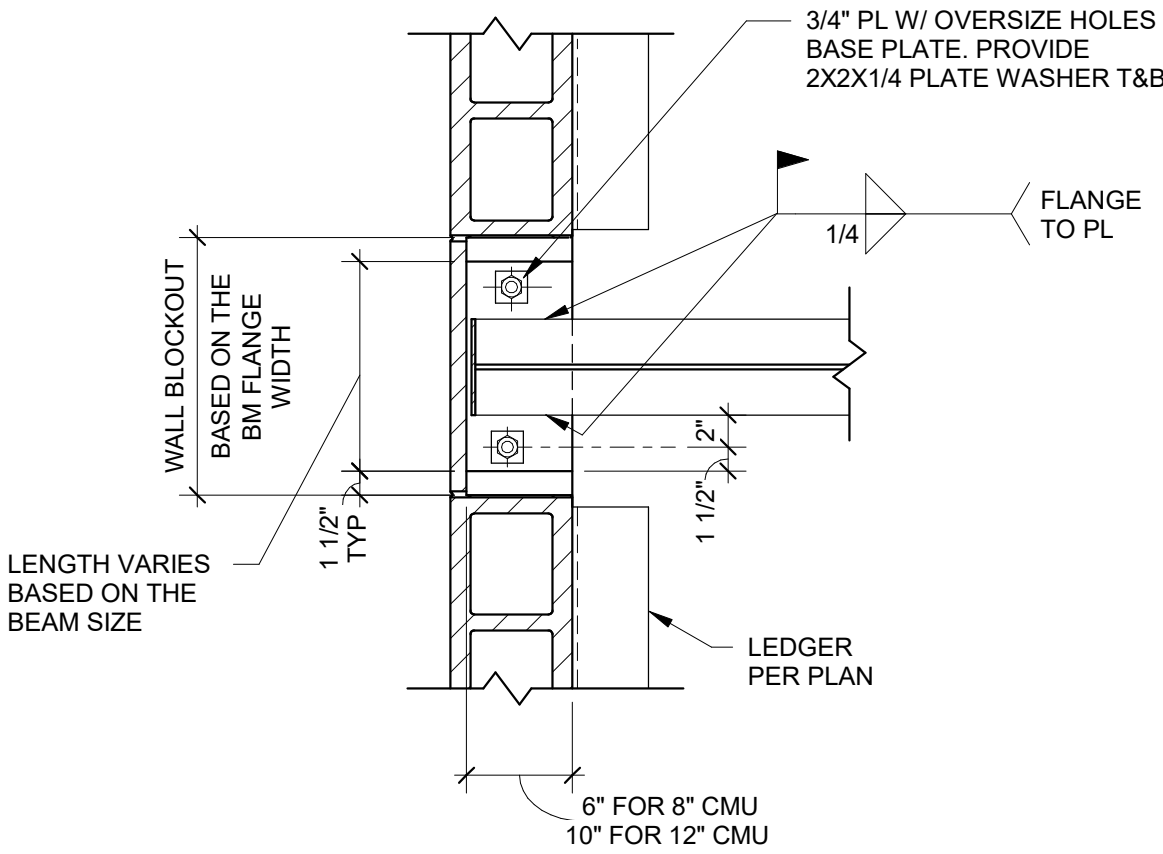
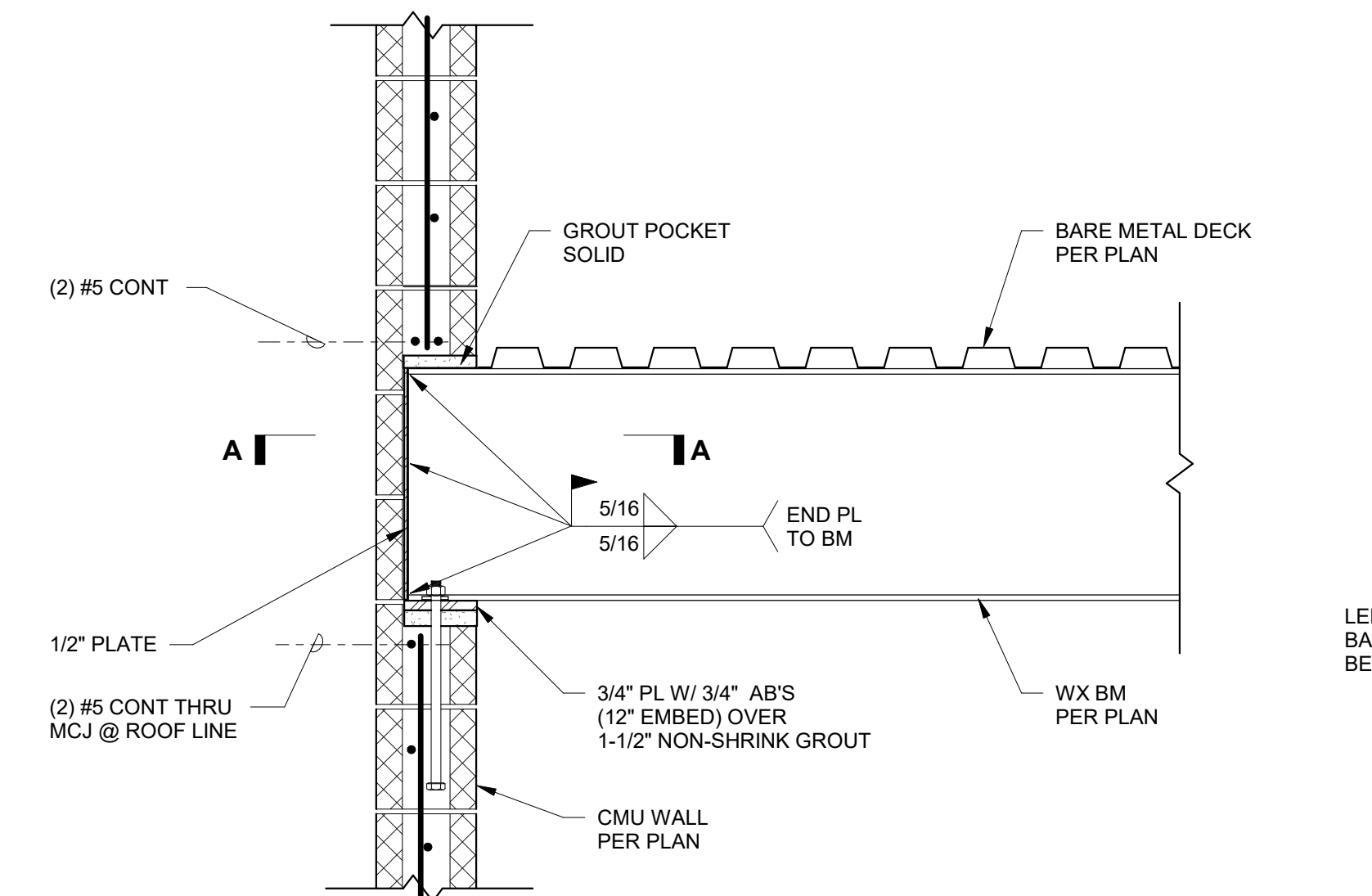
2  
NTS



#### A-A PLAN VIEW

#### CMU BEAM POCKET AT TOP OF WALL

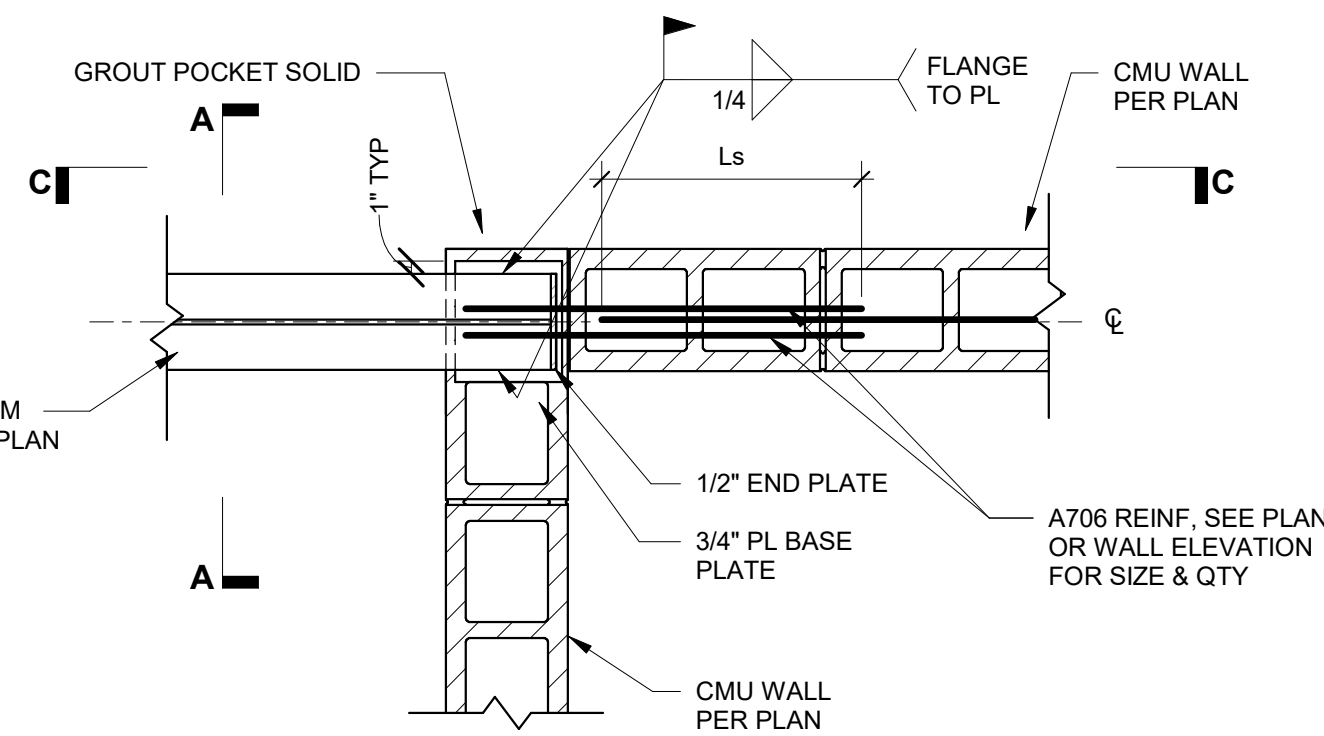
11  
1" = 1'-0"



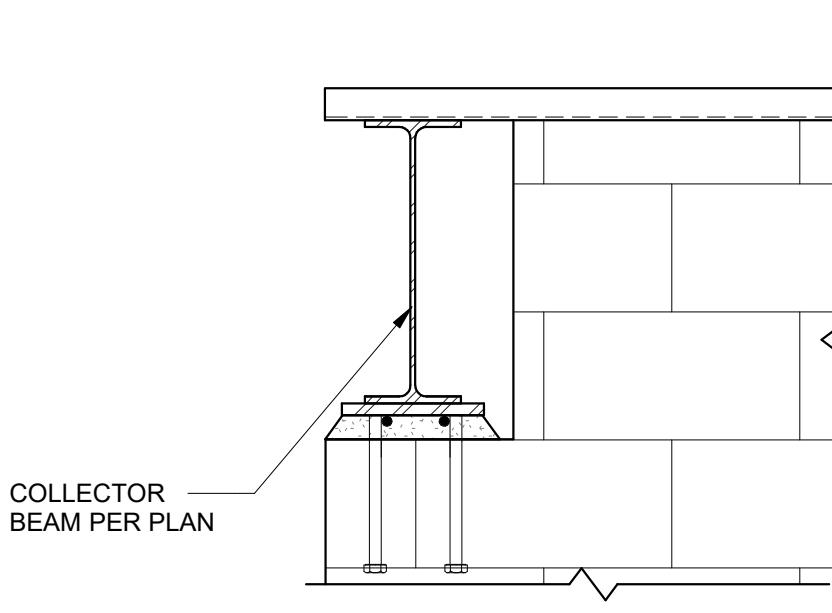
#### A-A PLAN VIEW

#### CMU BEAM POCKET

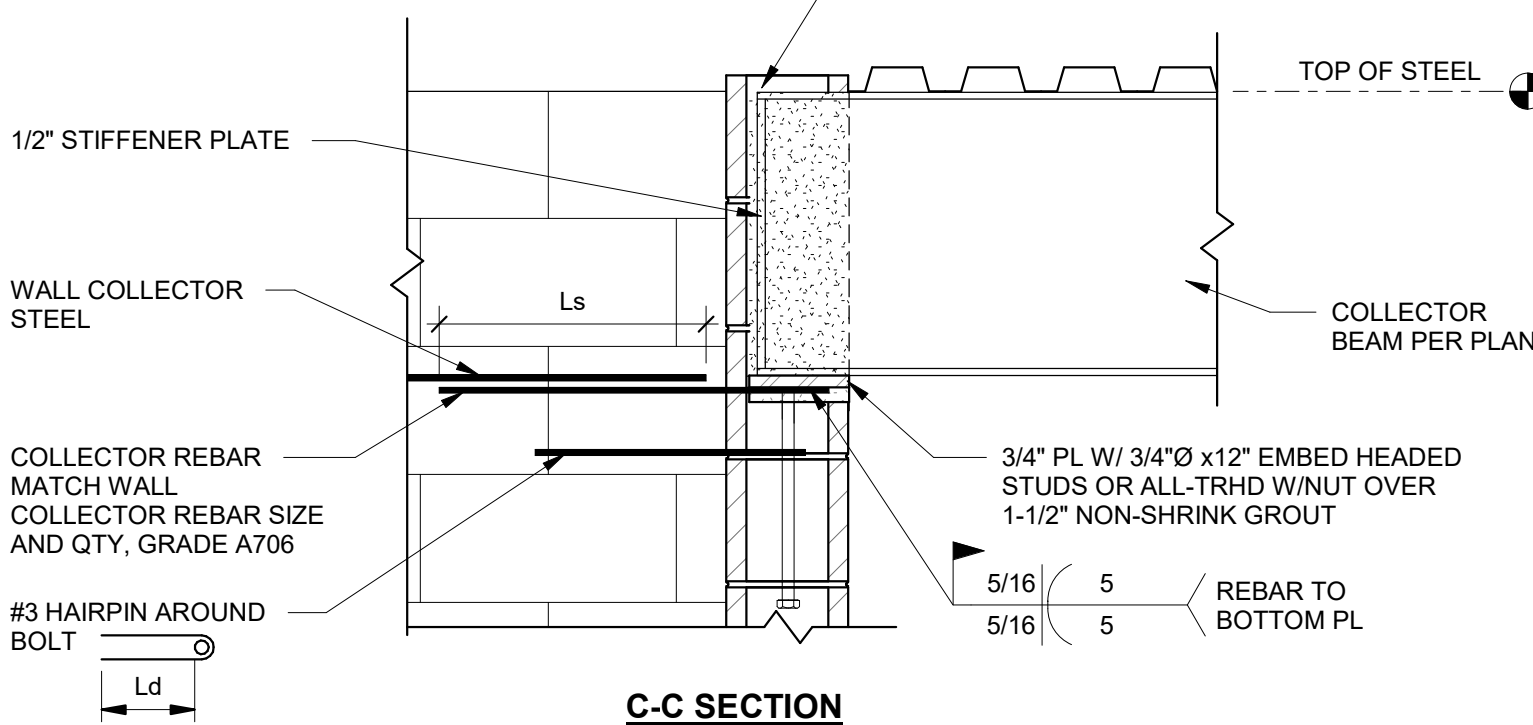
12  
1" = 1'-0"



#### PLAN VIEW



#### A-A SECTION



#### C-C SECTION

#### BEAM POCKET AT CMU CORNER

3  
1" = 1'-0"



Dewberry Architects Inc.

8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



155 Bonnet Road, Suite 550  
650.367.8100

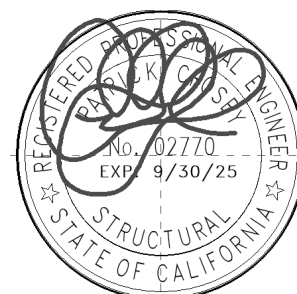
San Mateo, CA 94402  
martinmartin.com

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY YK  
APPROVED BY MR  
CHECKED BY PC  
DATE 10/29/2025  
TITLE

TYP. CMU  
DETAILS

PROJECT NO. Project Number

S011

SHEET NO.









**A** DECK PERPENDICULAR TO WALL



**B** DECK PARALLEL TO WALL



SECTION

1. DETAIL APPLIES FOR JAMBS AT OPENINGS GREATER THAN 6'-0" AND AT DBL STUDS FOR LARGE WALL EQUIPMENT.
2. FOR TYPICAL ATTACHMENT EITHER SIDE OF JAMB SEE 9 / S013

5 TYP INTERIOR DOUBLE STUD WALL TOP CONN  
NTS



**NOTE:**  
METAL DECK W/ CONCRETE FILL  
CONDITION SHOWN. METAL DECK  
W/O CONCRETE FILL SIMILAR.  
AT METAL DECK W/O CONCRETE  
FILL, PROVIDE #10 SMS IN LIEU OF  
HILTI KWIK BOLT TZ.



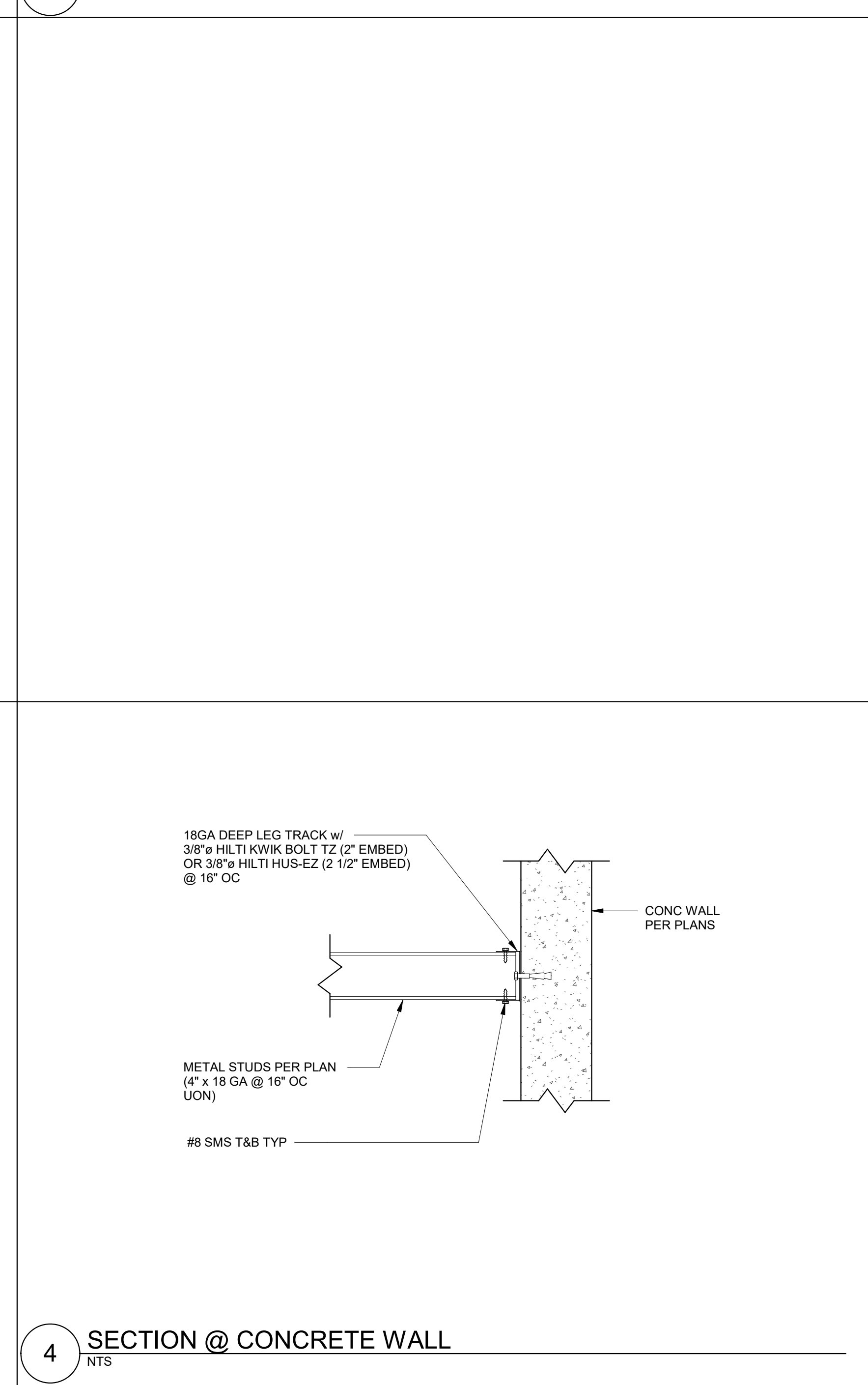
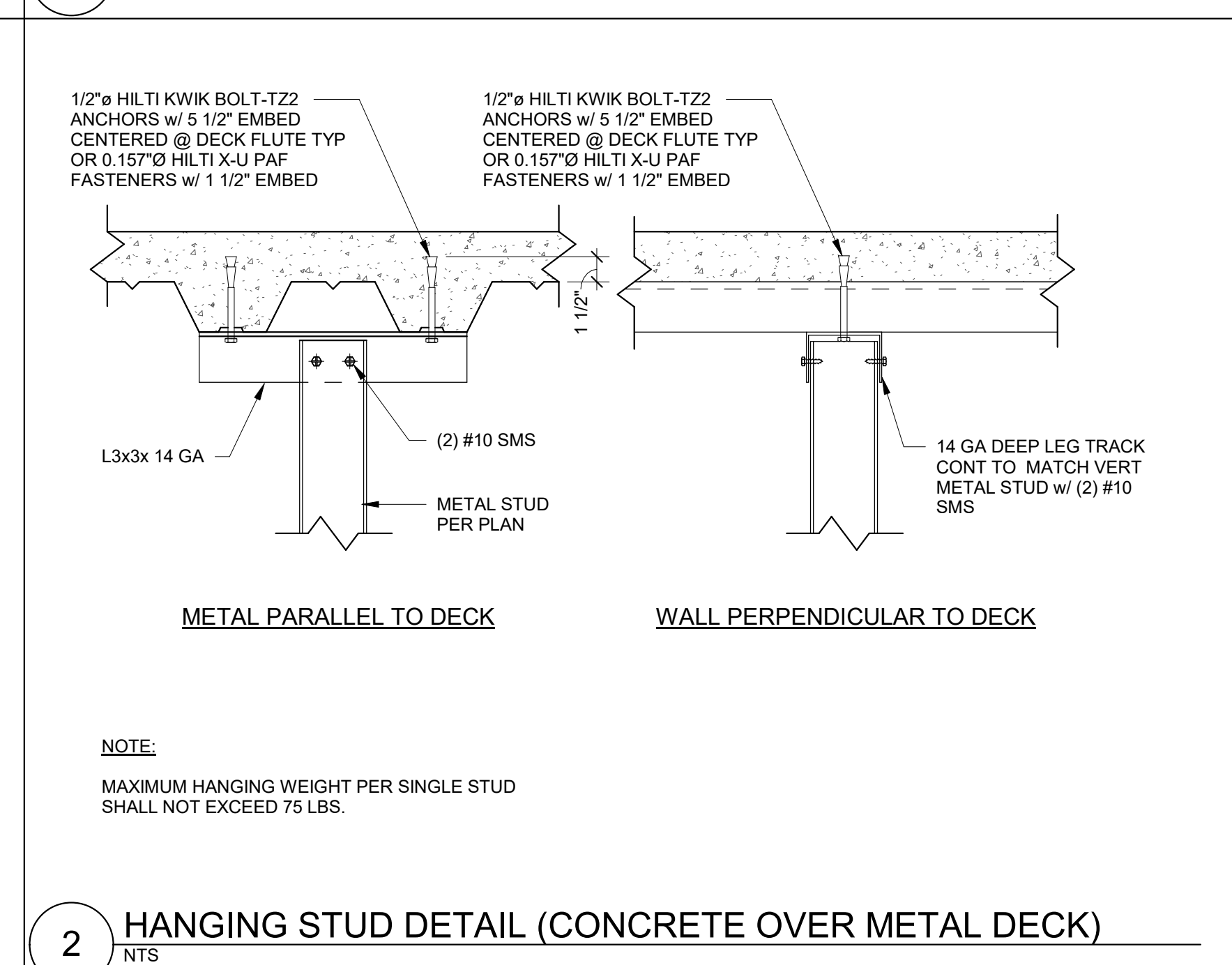
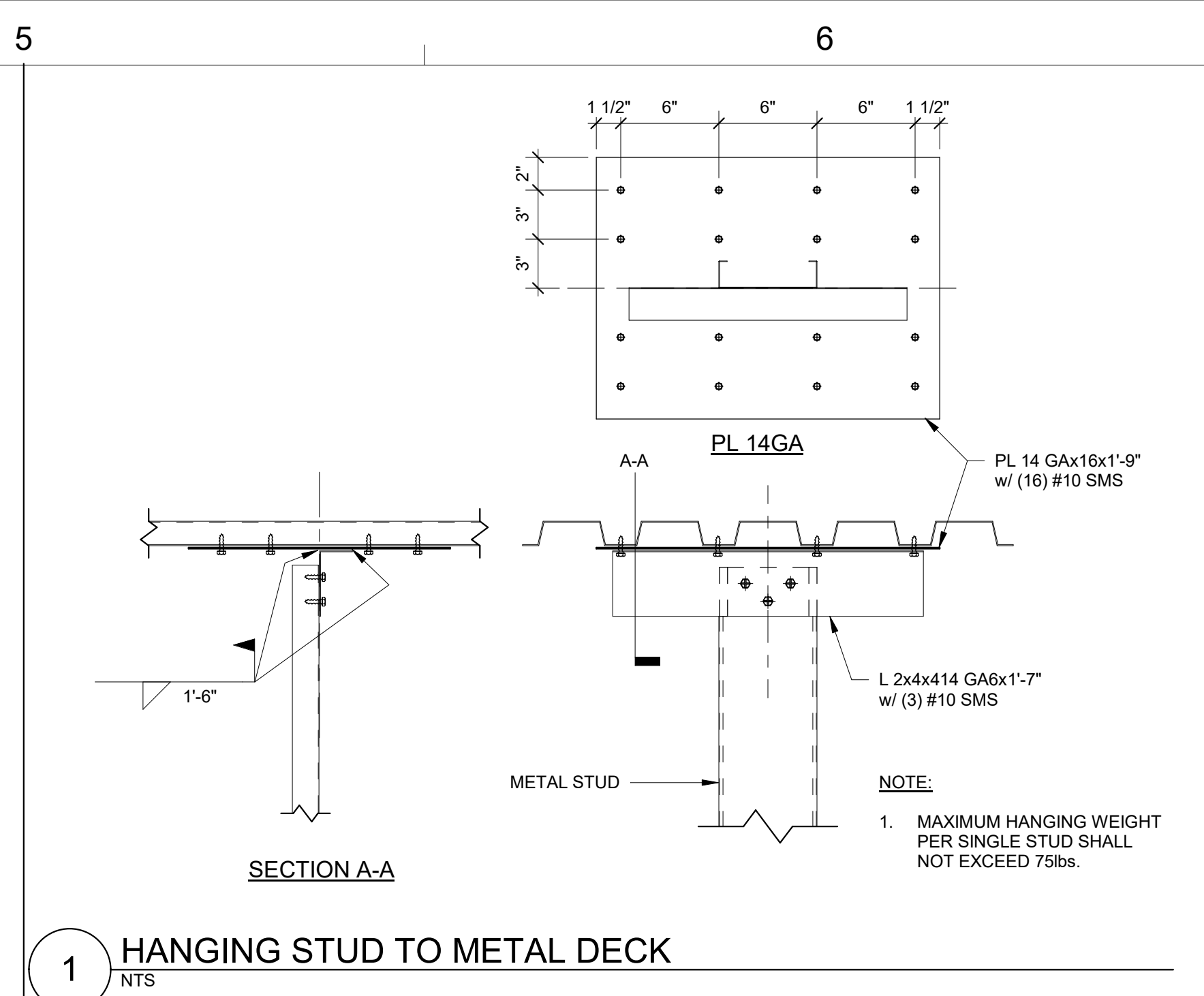
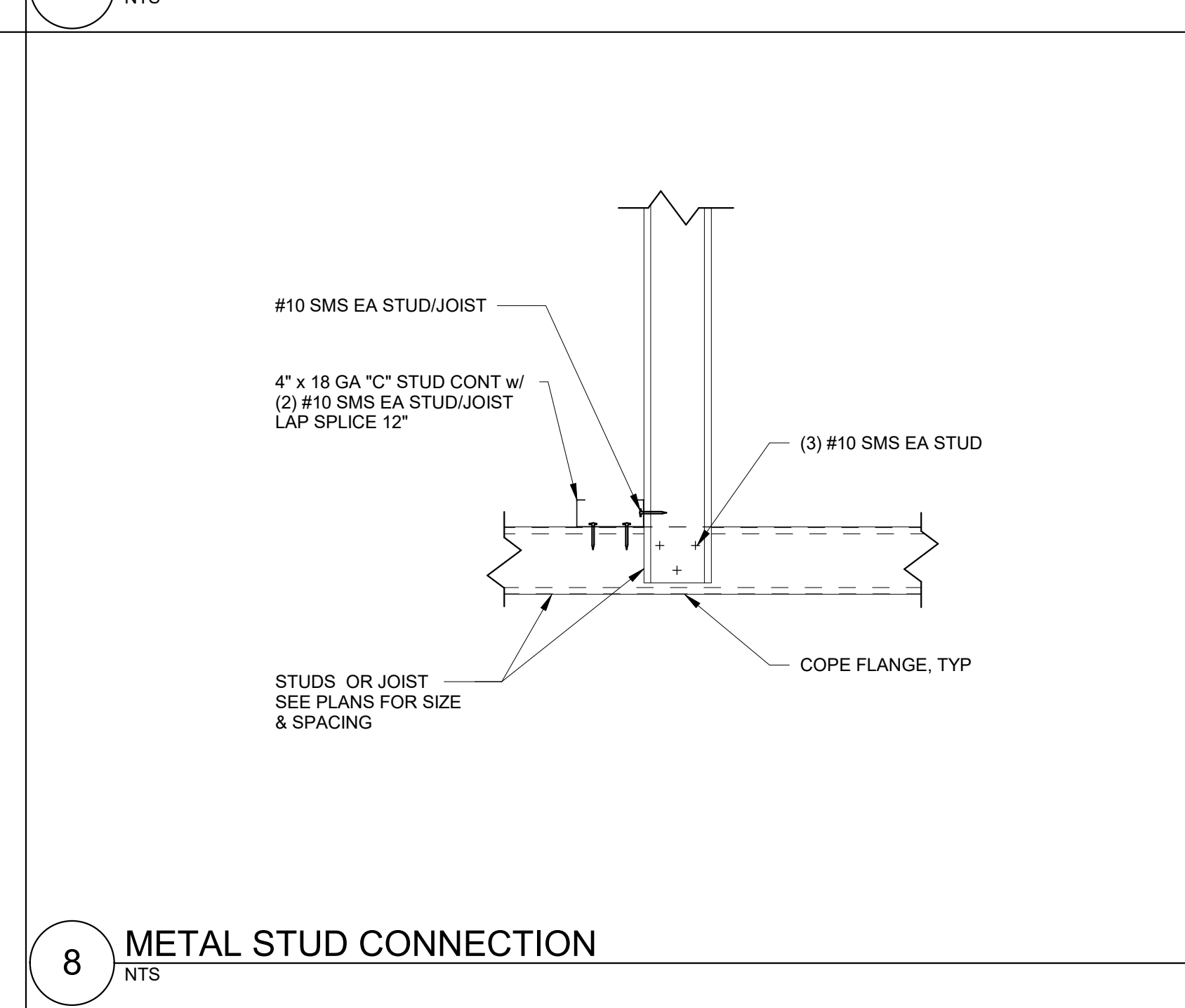
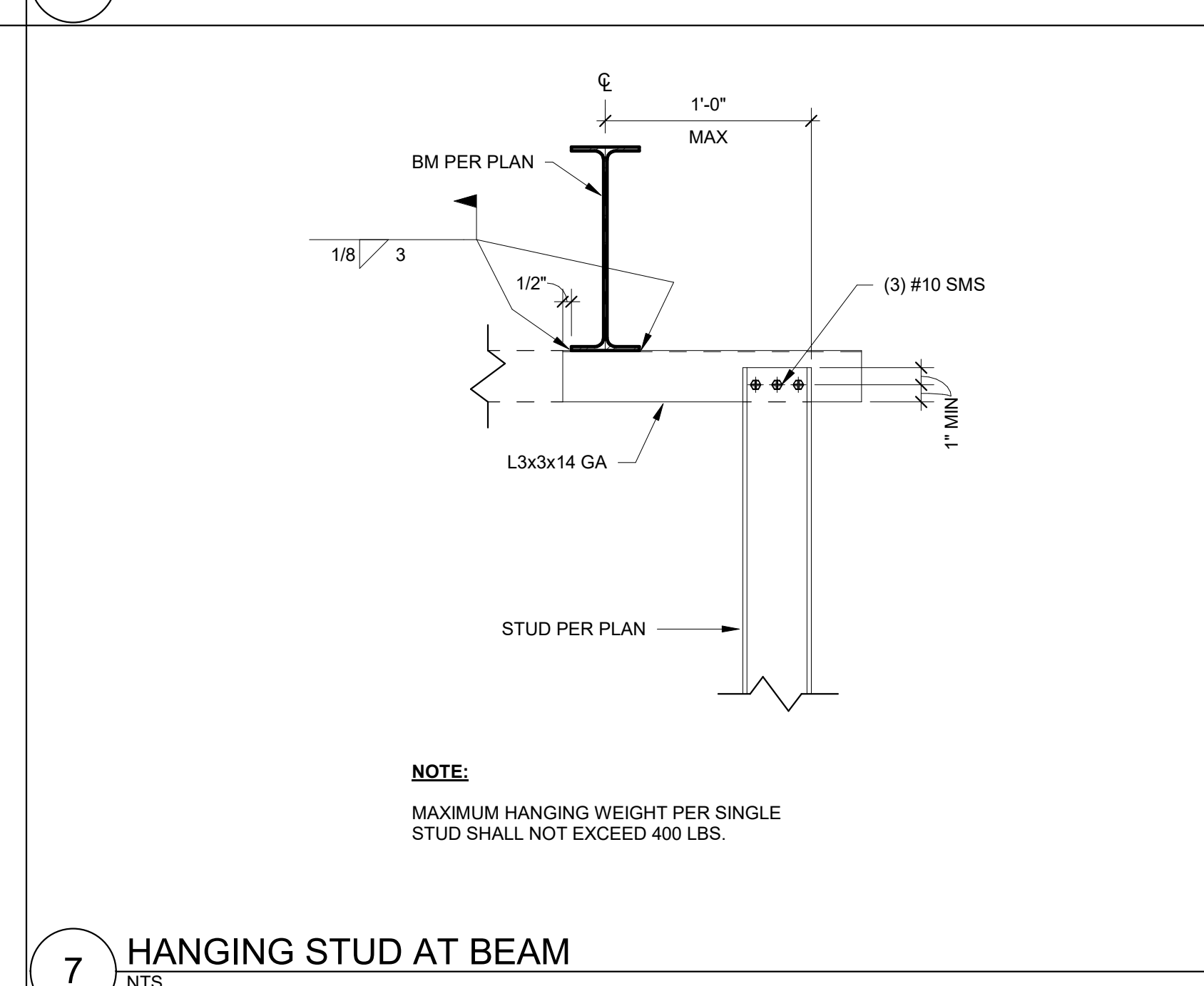
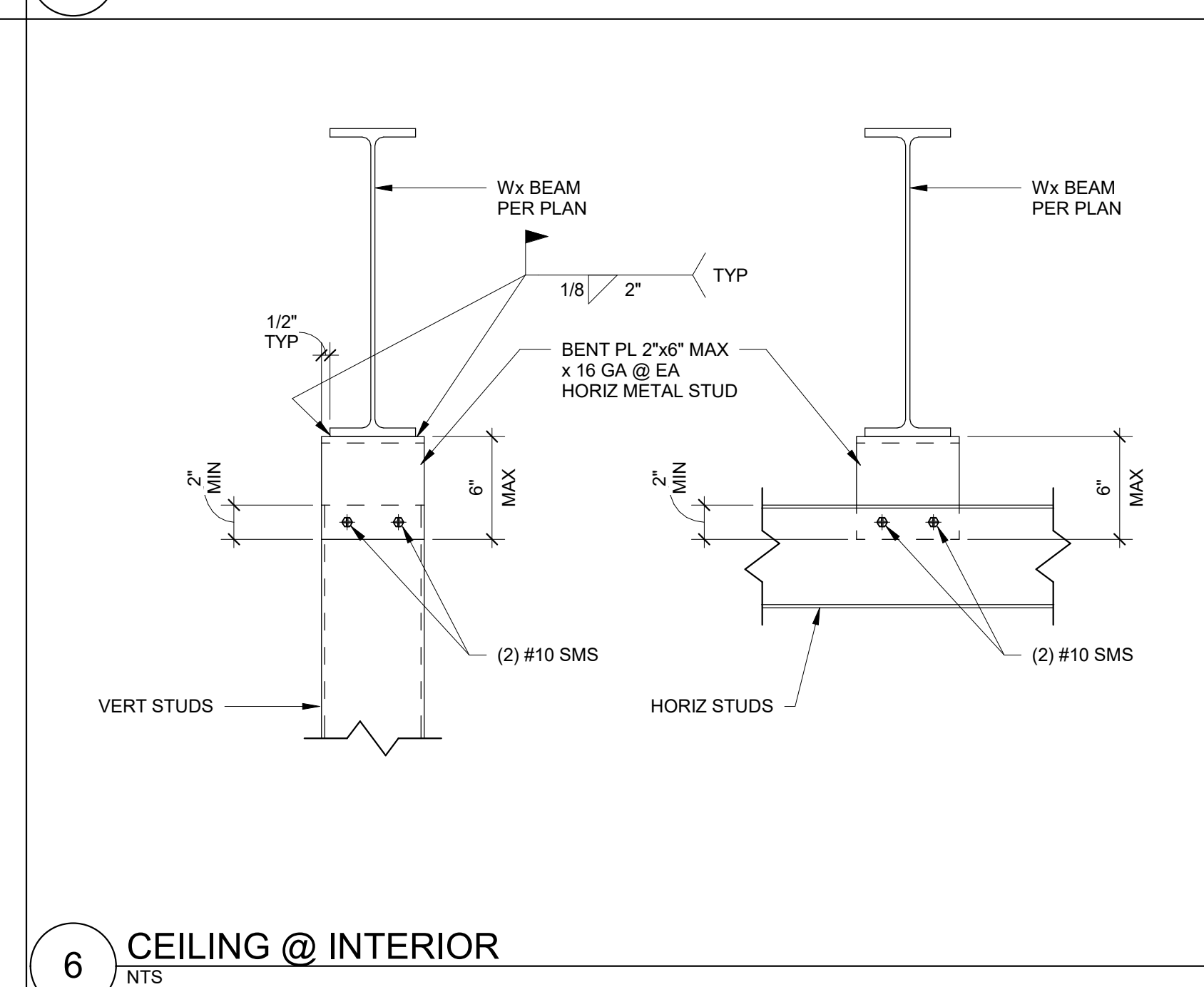
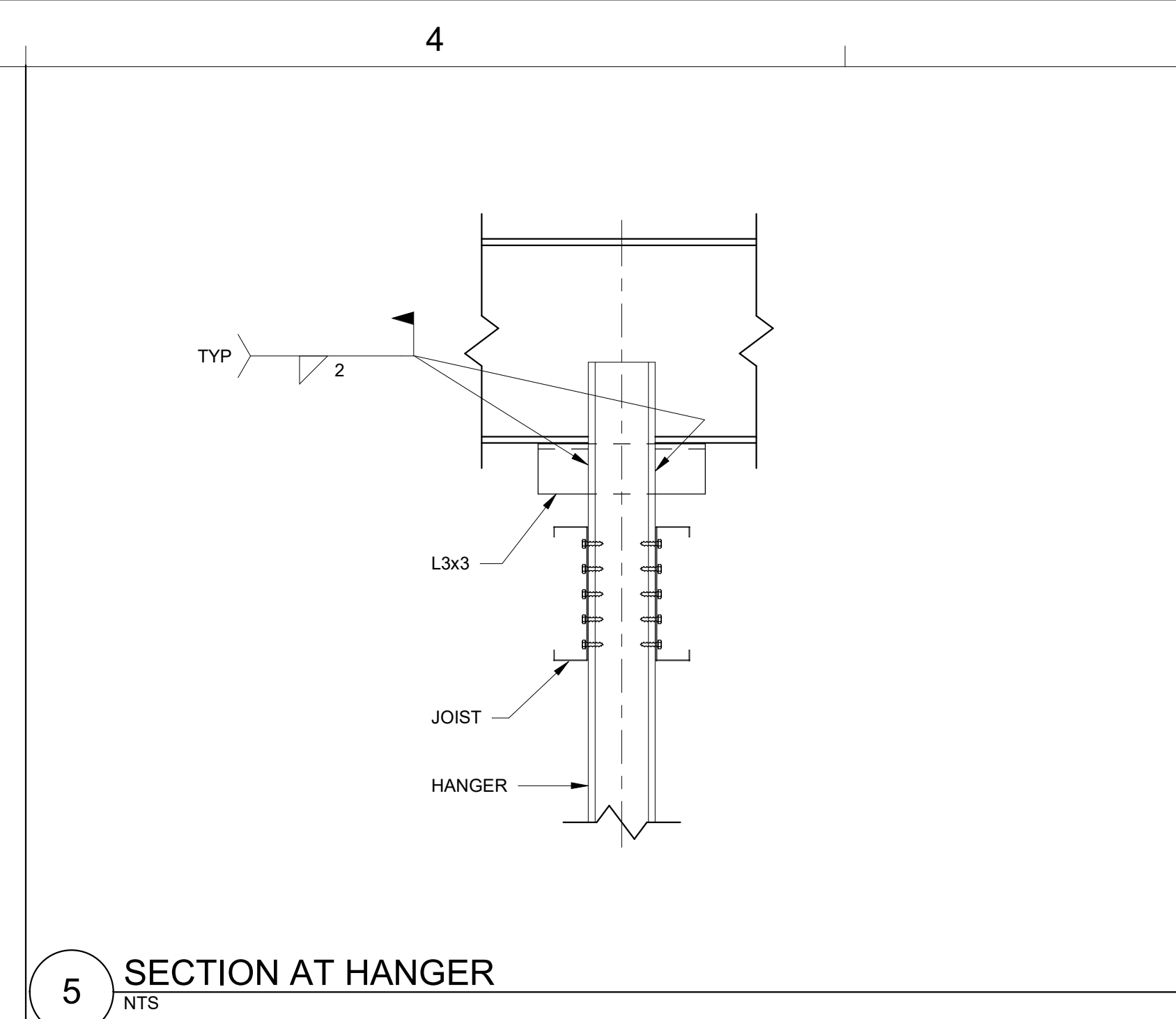
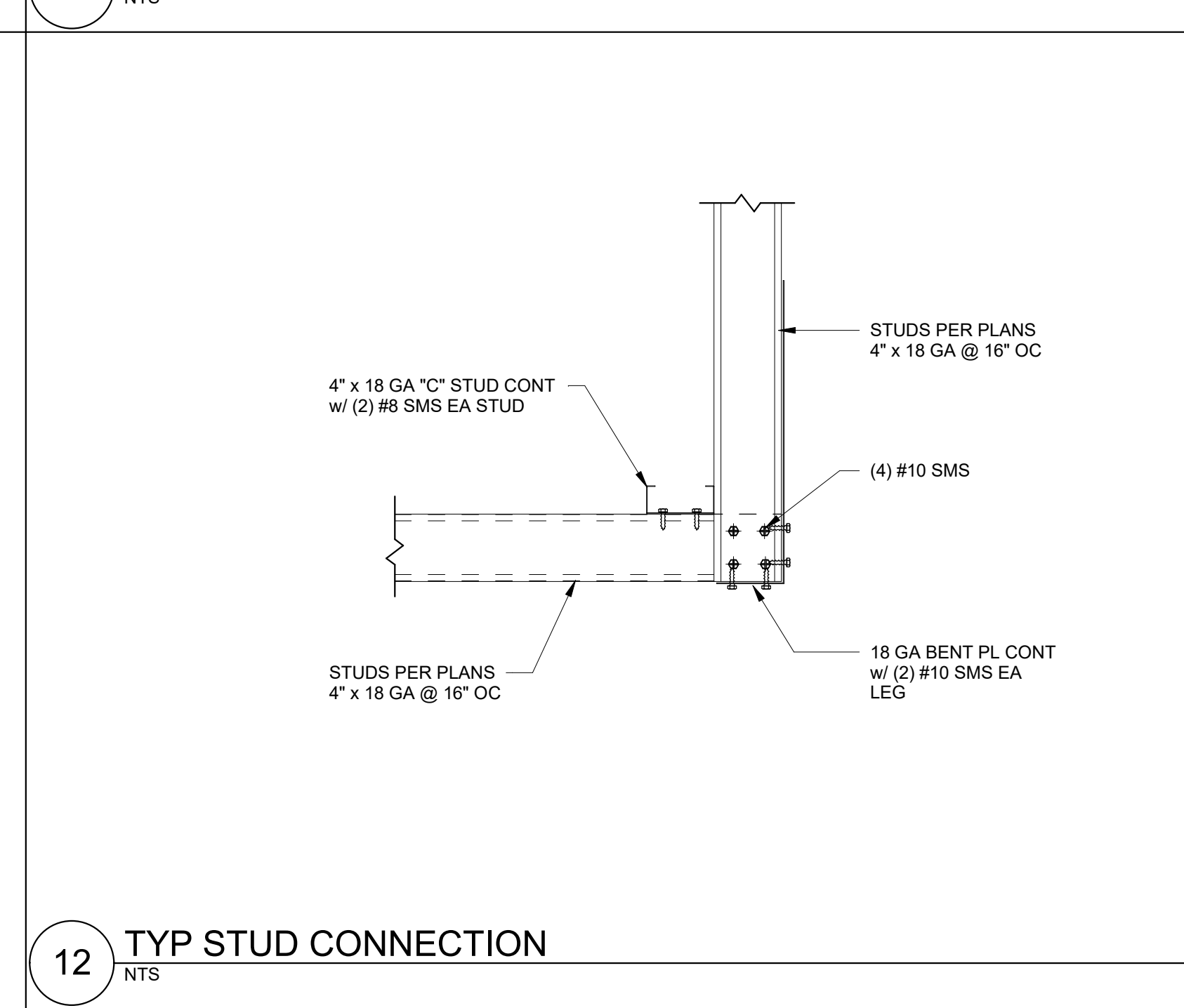
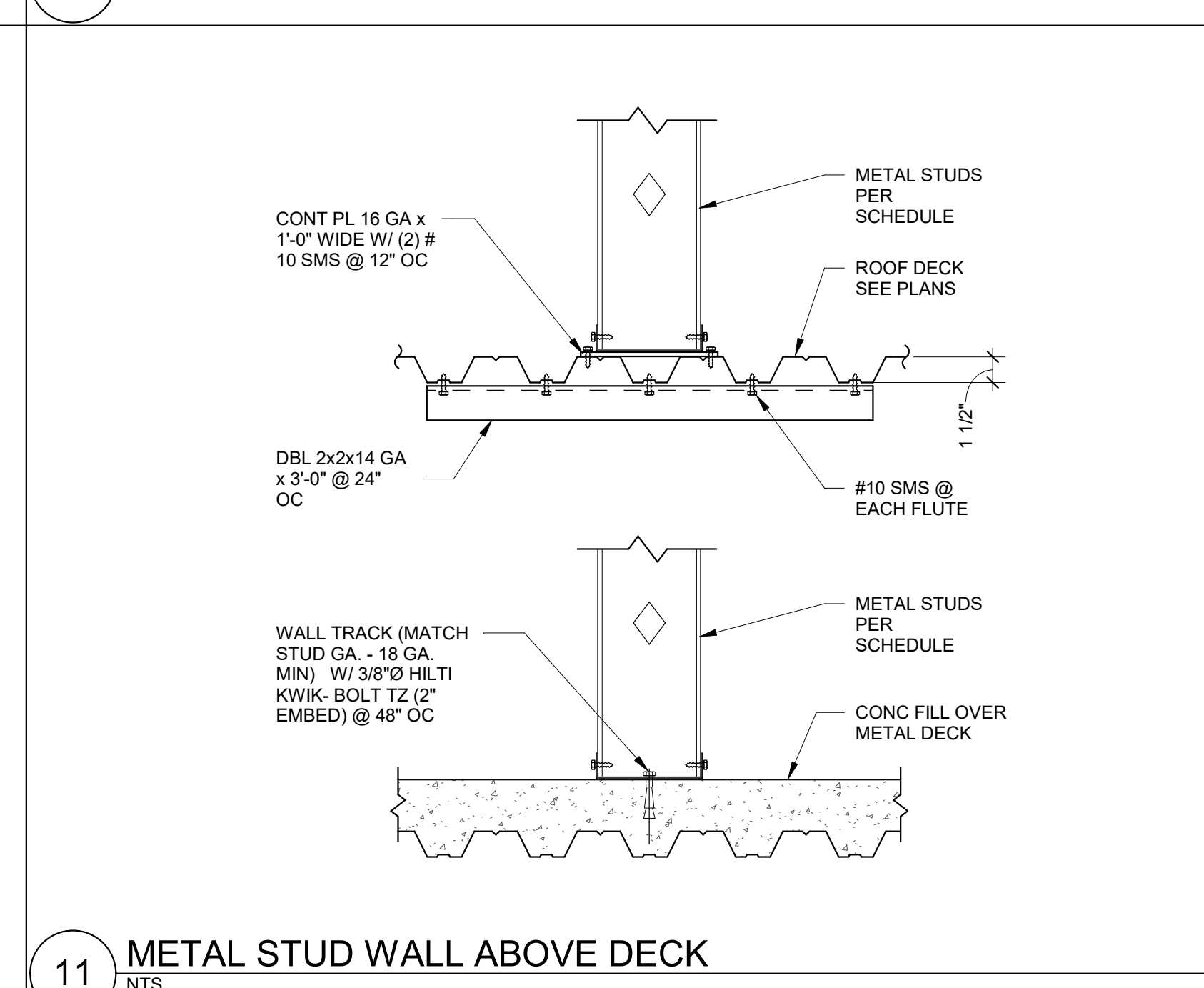
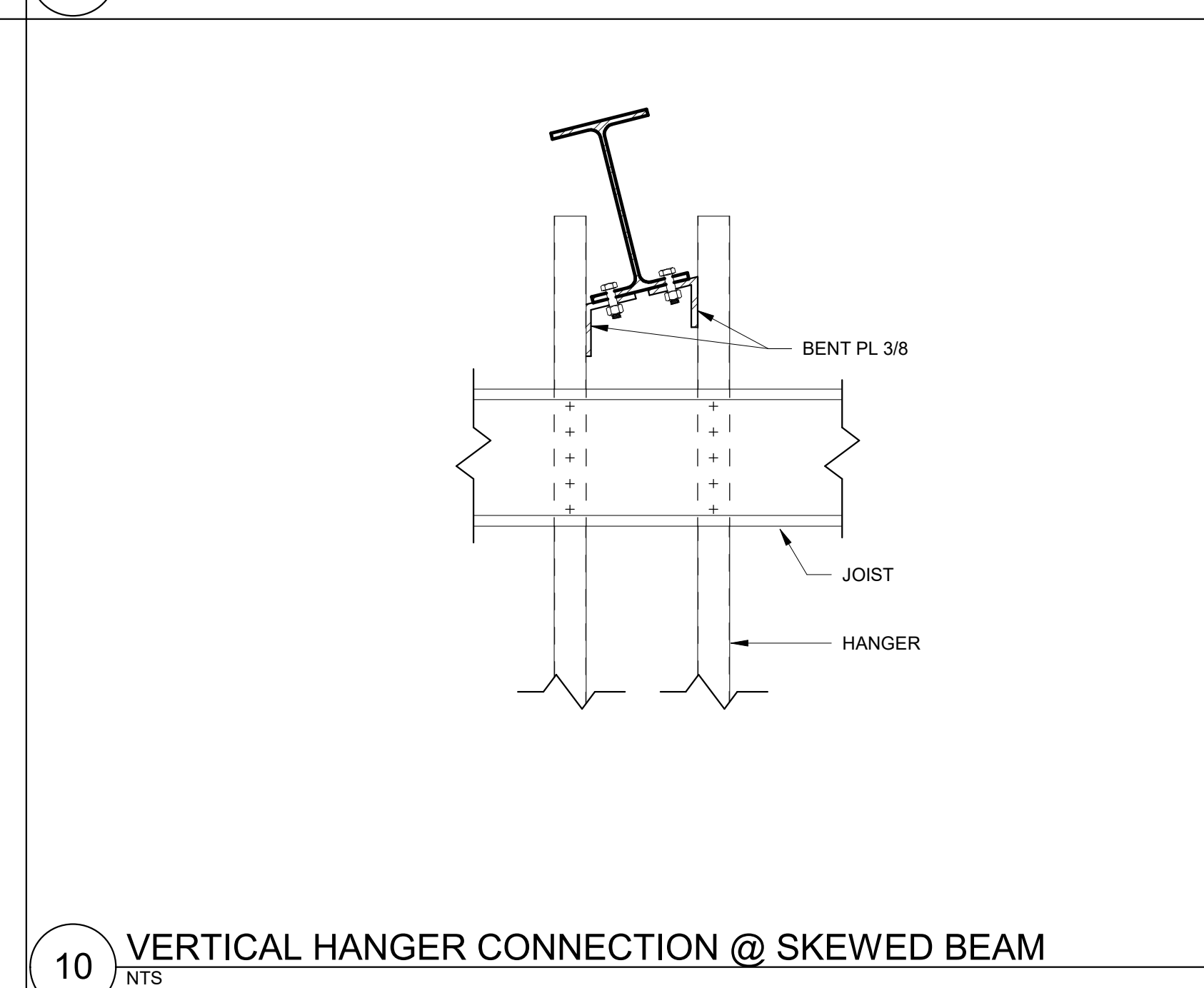
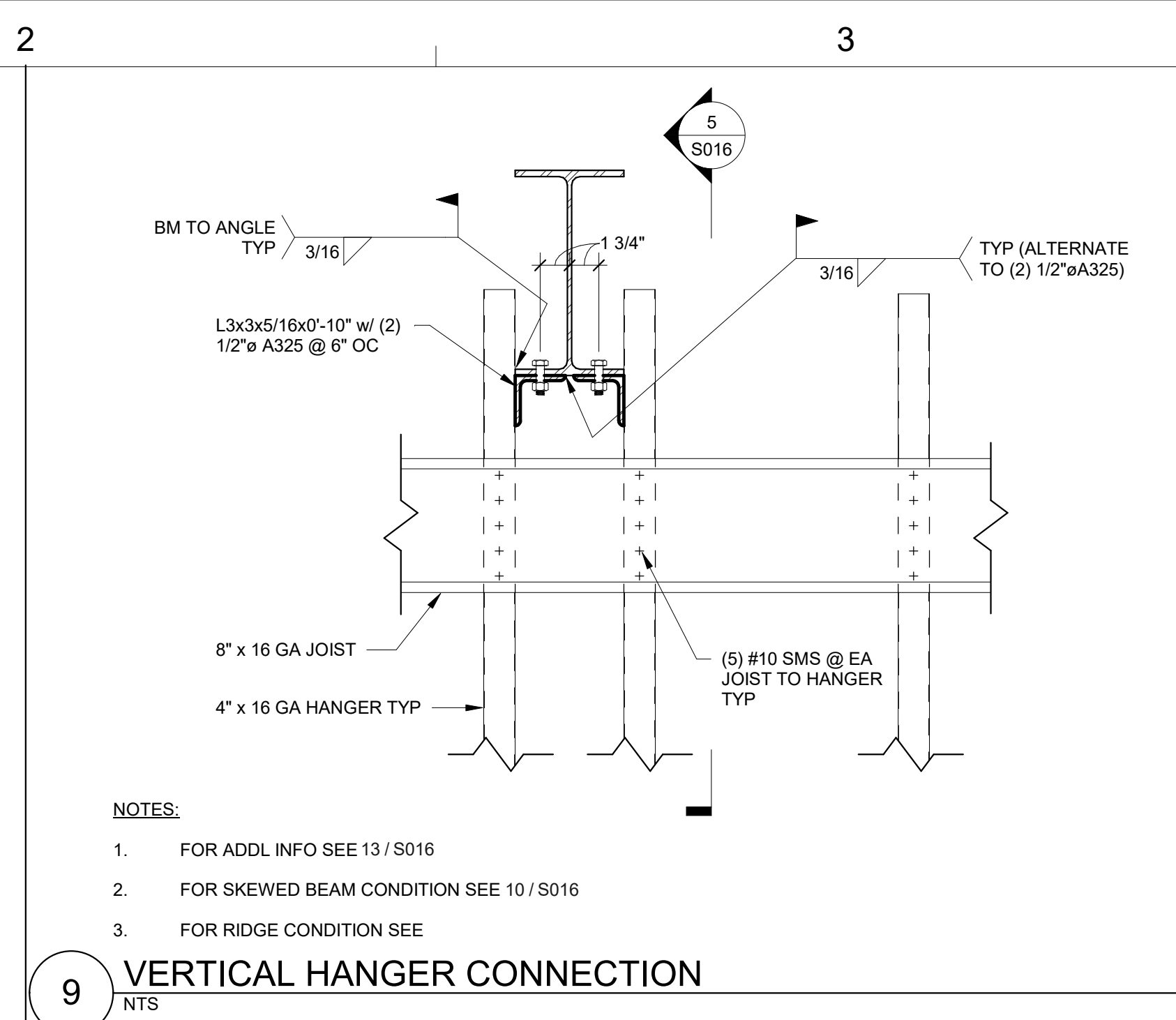
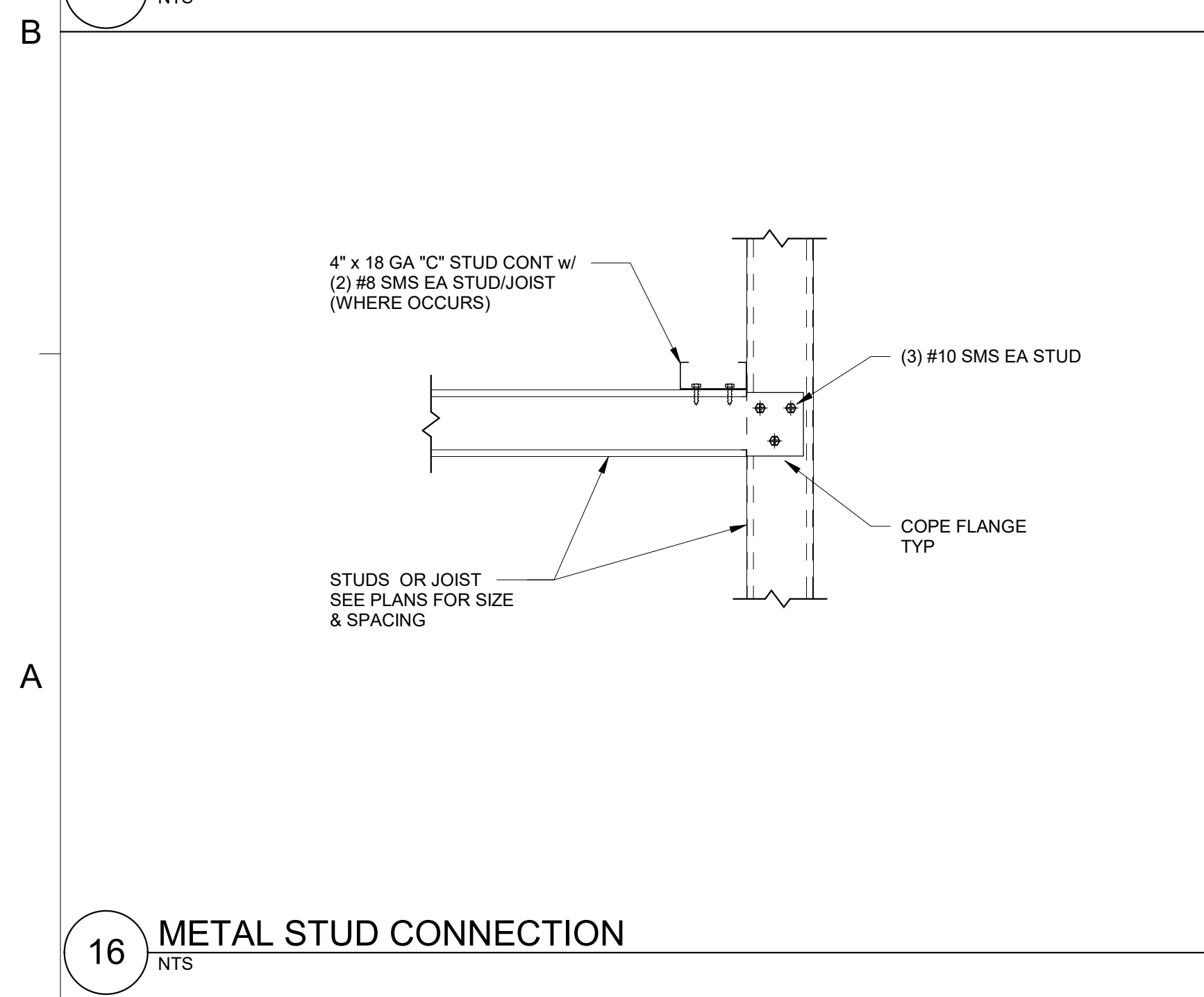
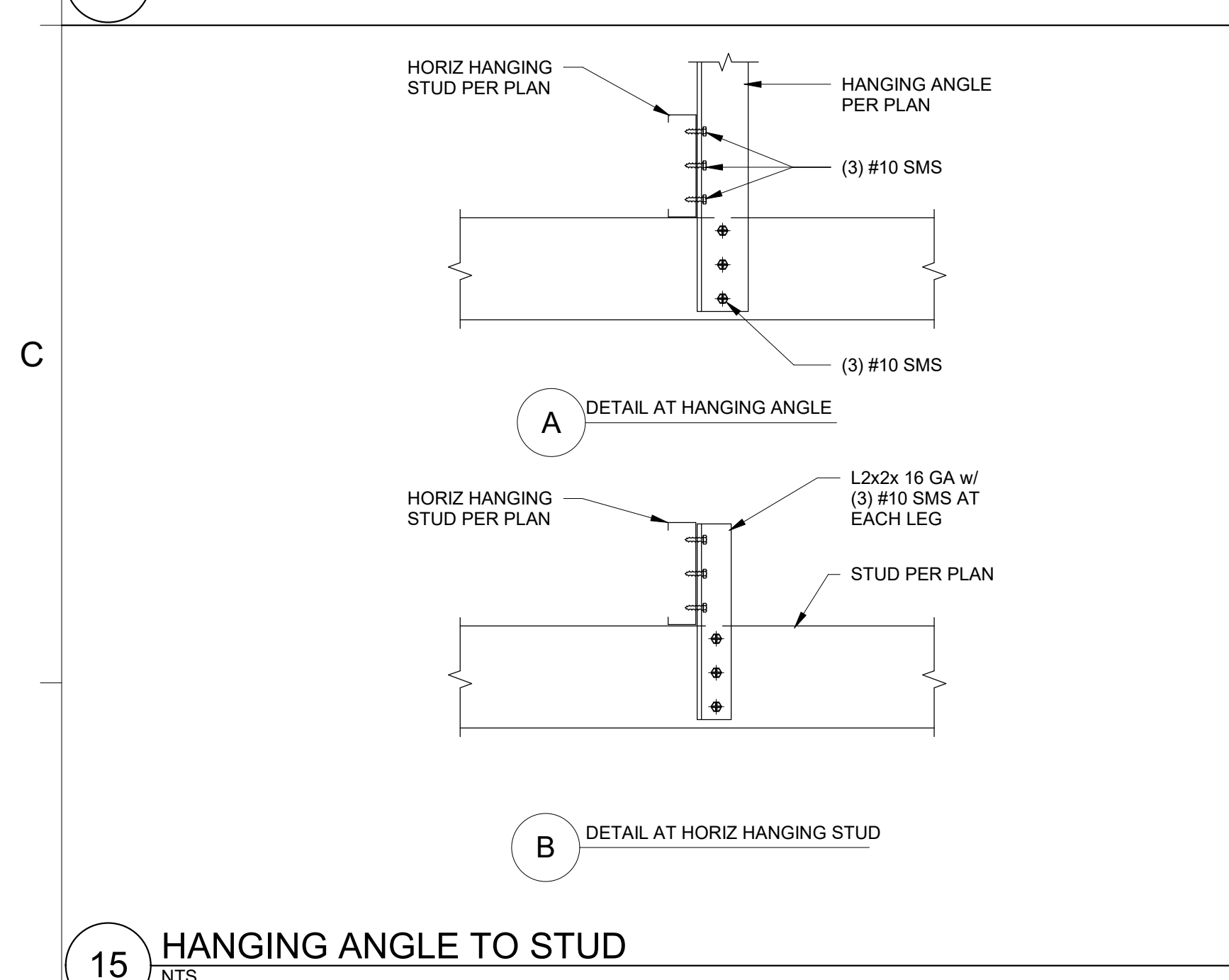
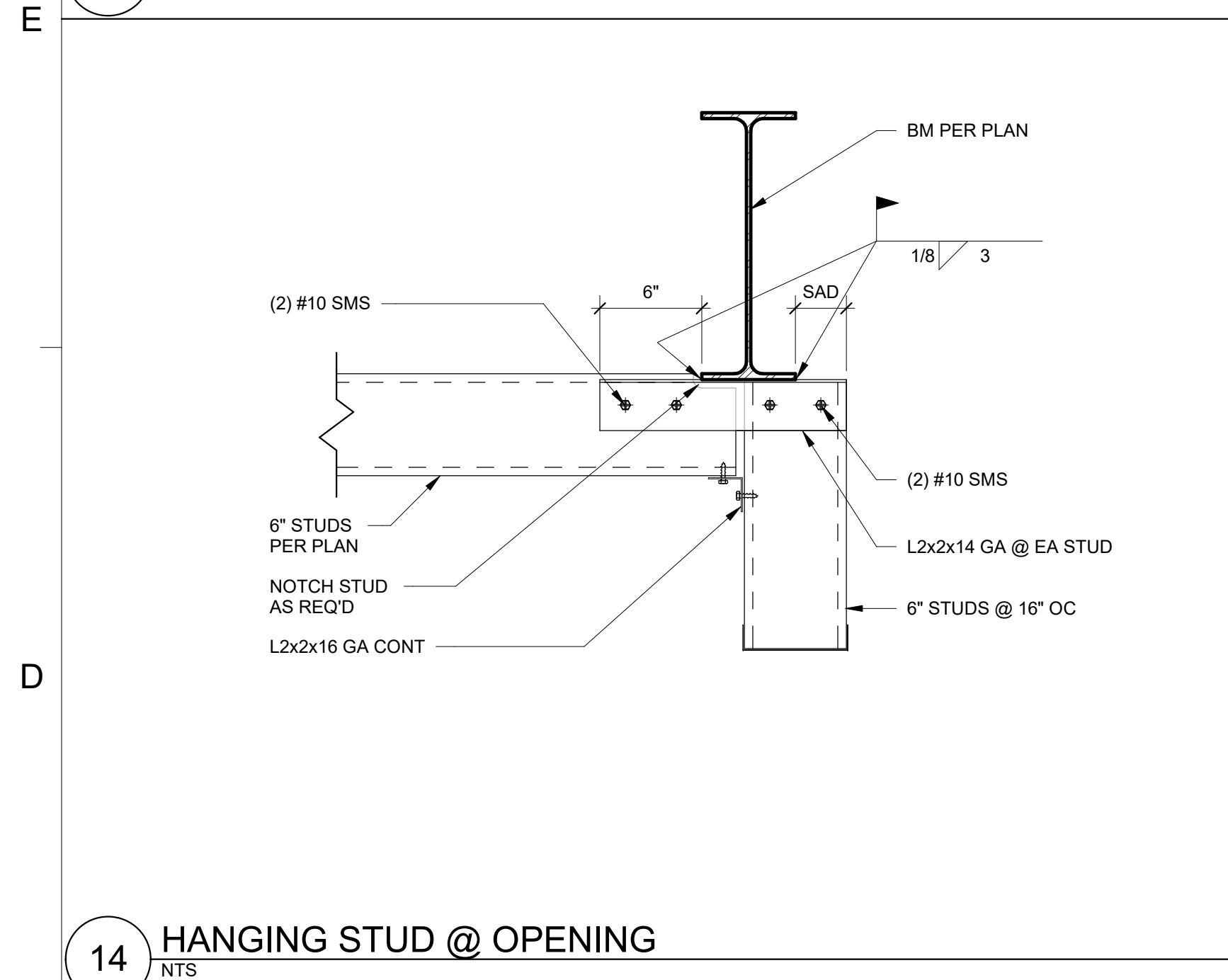
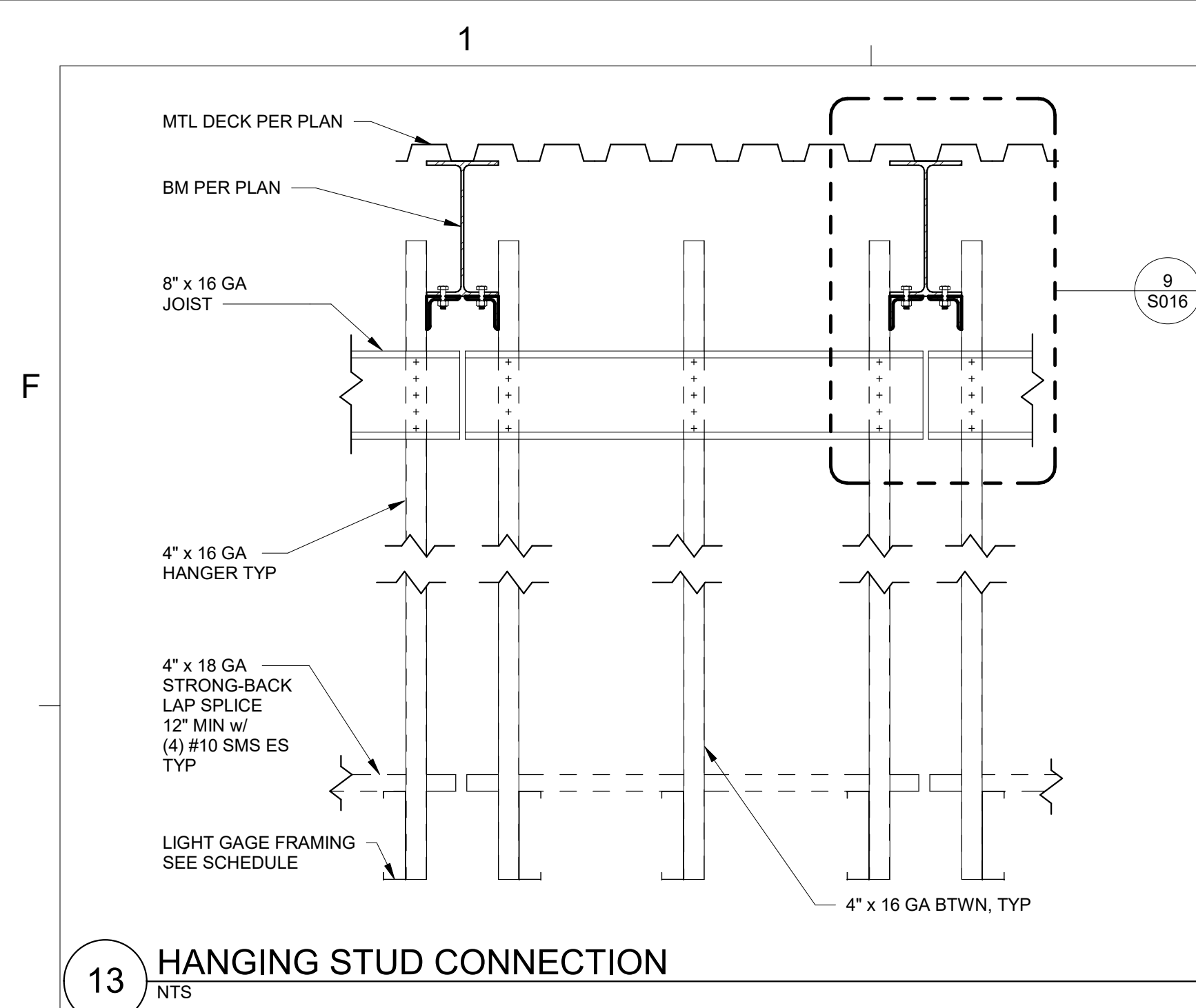










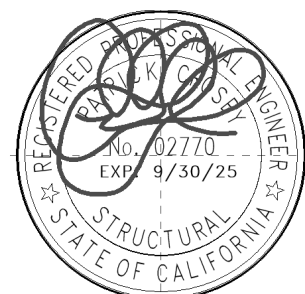




CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT402 Mast Avenue  
McFarland, CA 93250

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY YK  
APPROVED BY MR  
CHECKED BY PC  
DATE 10/29/2025  
TITLE

FOUNDATION  
PLANPROJECT NO.                      Project Number

S100

SHEET NO.

1 BUILDING FOUNDATION PLAN  
1/8" = 1'-0"2 TRASH ENCLOSURE FOUNDATION PLAN  
1/8" = 1'-0"3 MONUMENT FOUNDATION PLAN  
1/4" = 1'-0"

## FOUNDATION NOTES:

- FOR GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS, SEE 9001-S016 SERIES SHEETS. COORDINATE ALL STRUCTURAL PLANS WITH TYPICAL DETAILS S.D.O.N.
- SITE PREPARATION AND BUILDING PAD CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE SOILS REPORT.
- VERIFY ALL DIMENSIONS, ELEVATIONS, GRIDS, AND GRADES WITH ARCH AND CIVIL DRAWINGS PRIOR TO CONSTRUCTION.
- SEE ARCH DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR NON-STRUCTURAL ELEMENTS.
- SEE DRAWINGS OTHER THAN STRUCTURAL FOR FLOOR FINISHES, SLOPES, DEPRESSIONS, MECH PADS, PENETRATIONS, CURBS AND OTHER FEATURES.
- SEE ARCH AND SITE DRAWINGS FOR EXTERIOR PADS AT DOORS, YARD WALLS, FENCES AND OTHER CONSTRUCTION ADJACENT TO THE BUILDING.
- PROVIDE 3" MINIMUM CONCRETE COVER AT ALL COLUMNS ANCHOR BOLTS AND BASE PLATES BELOW GRADE.
- SLAB ON GRADE CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO THE PLACEMENT OF CONCRETE.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION, EXTENT, AND TYPE OF ALL WALLS.
- ALL SPREAD & CONTINUOUS FOOTINGS TO BE CENTERED BELOW COLUMNS AND WALLS U.N.O.
- PROVIDE SLAB OVER MINIMUM 48" ENGINEERED FILL. COORDINATE WITH ARCHITECTURAL FOR LOCATION OF MOISTURE SENSITIVE AREAS. AT THESE LOCATIONS PROVIDE MINIMUM 15 POLYETHYLENE OVER 48" ENGINEERED FILL.
- REINFORCE 8" SLAB W/ #5@8" OC EW
- REINFORCE 5" SLAB W/ #5@12" OC EW

## FOUNDATION LEGEND:

- INDICATES 8" CMU WALL W/ #5@16" VERT. AND #5@16" HORIZ.
- INDICATES 8" CANTILEVER CMU WALL W/ #5@8" VERT. AND #5@10" HORIZ.
- INDICATES 10" CMU WALL W/ #4 @ 8" VERT. E.F. AND #4 @ 24" E.F.
- F5.0 INDICATES SPREAD FOOTING - SEE SCHEDULE.
- WF-2 INDICATES CONTINUOUS FOOTING - SEE SCHEDULE.
- HSS INDICATES COLUMN SIZE.
- INDICATES COLUMN BLOCKOUTS. GENERAL CONTRACTOR TO COORDINATE LOCATION & SIZE OF ALL BLOCKOUTS AS REQUIRED. FOR GENERAL CONFIGURATION, SEE DETAIL 6/S006.
- DEPRESSED SLAB, S.A.D.

## CONTINUOUS FOOTING SCHEDULE

TYPE MARK	WIDTH "W"	DEPTH "D"	TRANS.	LONG.	DETAIL REF.
WF2.0	2'-0"	1'-6"	#4 @ 18" T&B	(4) #5 T&B	1/S010
WF2.5	2'-6"	1'-6"	#4 @ 18" T&B	(5) #5 T&B	1/S010
WF3.0	3'-0"	1'-6"	#4 @ 18" T&B	(6) #5 T&B	4/S006
WF5.0	5'-0"	1'-6"	#5 @ 8" T&B	#4 @ 12" T&B	3/S010

## COLUMN FOOTING SCHEDULE

TYPE MARK	WIDTH "W"	LENGTH "L"	DEPTH "D"	TOP REINF.	BOT. REINF.
F6.0	6'-0"	6'-0"	1'-6"	(8) #5 E.W. T&B	(8) #5 E.W. T&B
F8.0	8'-0"	8'-0"	2'-0"	(14) #5 E.W. T&B	(14) #5 E.W. T&B



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY YK  
APPROVED BY MR  
CHECKED BY PC  
DATE 10/29/2025

TITLE

**BID ALTERNATE -  
FOUNDATION  
PLAN**

PROJECT NO.                      Project Number

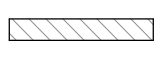
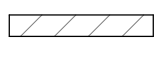
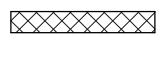
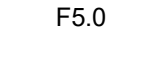
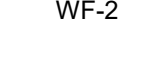
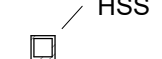
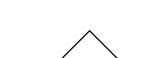

**S101**

SHEET NO.

**FOUNDATION NOTES:**

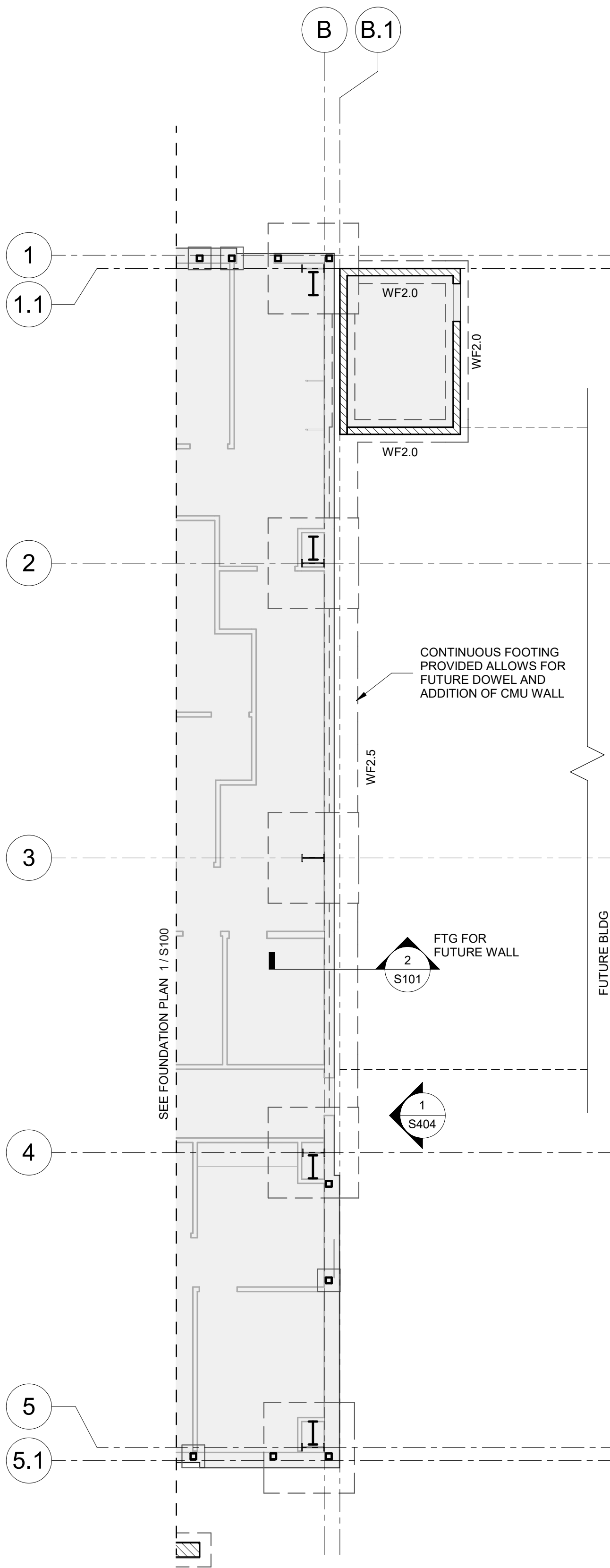
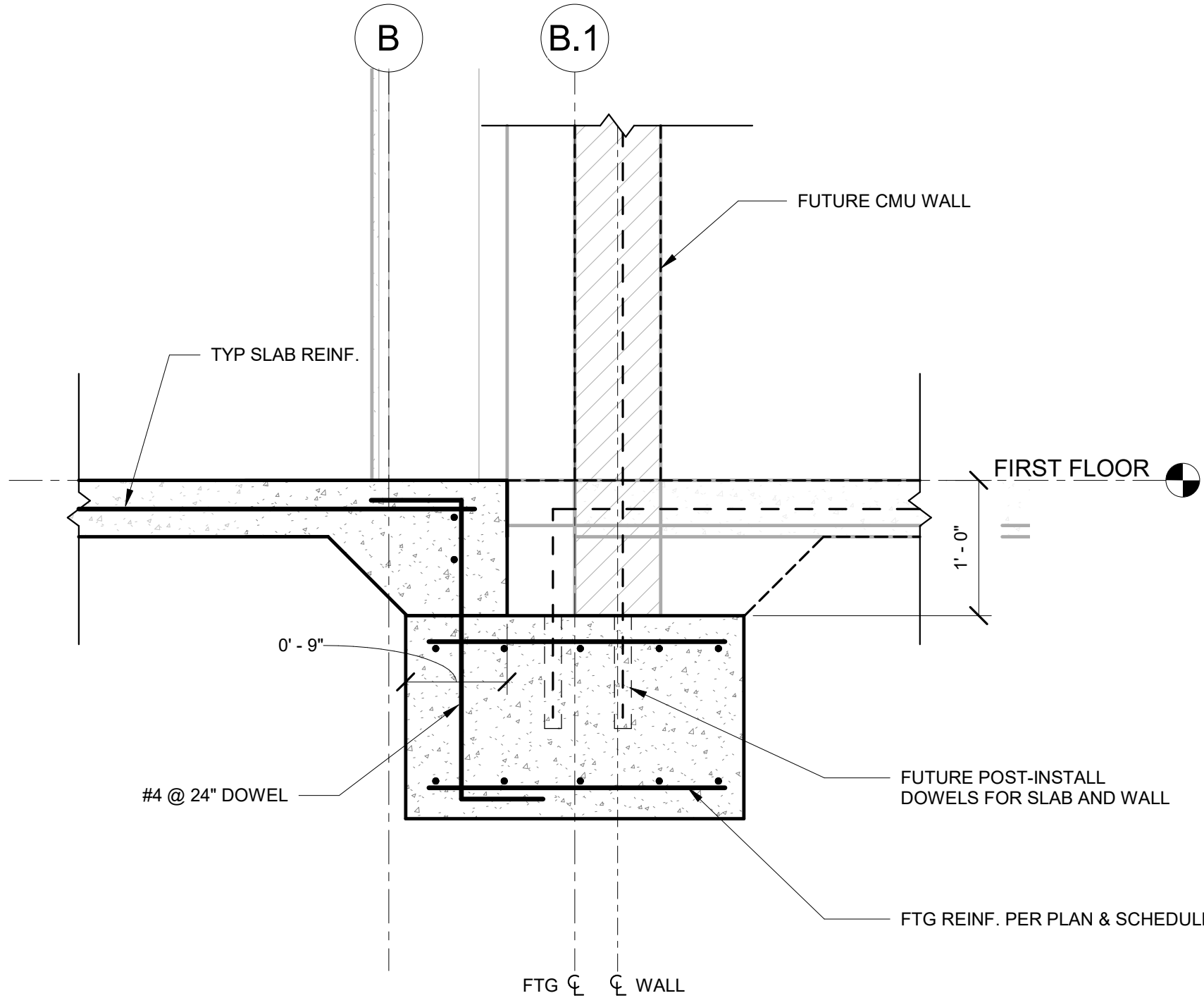
- FOR GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS, SEE **S001-S016** SERIES SHEETS. COORDINATE ALL STRUCTURAL PLANS WITH TYPICAL DETAILS U.O.N.
- SITE PREPARATION AND BUILDING PAD CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE SOILS REPORT.
- VERIFY ALL DIMENSIONS, ELEVATIONS, GRIDS, AND GRADES WITH ARCH AND CIVIL DRAWINGS PRIOR TO CONSTRUCTION.
- SEE ARCH DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR NON-STRUCTURAL ELEMENTS.
- SEE DRAWINGS OTHER THAN STRUCTURAL FOR FLOOR FINISHES, SLOPES, DEPRESSIONS, MECH PADS, PENETRATIONS, CURBS AND OTHER FEATURES.
- SEE ARCH AND SITE DRAWINGS FOR EXTERIOR PADS AT DOORS, YARD WALLS, FENCES AND OTHER CONSTRUCTION ADJACENT TO THE BUILDING.
- PROVIDE 3" MINIMUM CONCRETE COVER AT ALL COLUMNS ANCHOR BOLTS AND BASE PLATES BELOW GRADE.
- SLAB ON GRADE CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO THE PLACEMENT OF CONCRETE.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION, EXTENT, AND TYPE OF ALL WALLS.
- ALL SPREAD & CONTINUOUS FOOTINGS TO BE CENTERED BELOW COLUMNS AND WALLS U.N.O.
- PROVIDE SLAB OVER MINIMUM 48" ENGINEERED FILL. COORDINATE WITH ARCHITECTURAL FOR LOCATION OF MOISTURE SENSITIVE AREAS. AT THESE LOCATIONS PROVIDE MINIMUM 15 POLYETHYLENE OVER 48" ENGINEERED FILL.
- REINFORCE 8" SLAB W/ #5@8" OC EW
- REINFORCE 5" SLAB W/ #5@12" OC EW

**FOUNDATION LEGEND:**

-  INDICATES 8" CMU WALL W/ #5@16" VERT. AND #5@16" HORIZ.
-  INDICATES 8" CANTILEVER CMU WALL W/ #5@8" VERT. AND #5@16" HORIZ.
-  INDICATES 10" CMU WALL W/ #4 @ 8" VERT. E.F. AND #4 @ 24" E.F.
-  F5.0 INDICATES SPREAD FOOTING - SEE SCHEDULE.
-  WF-2 INDICATES CONTINUOUS FOOTING - SEE SCHEDULE.
-  HSS INDICATES COLUMN SIZE.
-  INDICATES COLUMN BLOCKOUTS. GENERAL CONTRACTOR TO COORDINATE LOCATION & SIZE OF ALL BLOCKOUTS AS REQUIRED. FOR GENERAL CONFIGURATION, SEE DETAIL 613006.
-  DEPRESSED SLAB, S.A.D.

**2 CMU FOOTING AT GL B.1 - BID ALTERNATE**

1" = 1'-0"

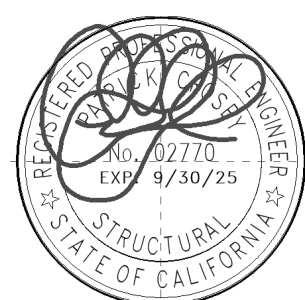


**NOTE:**  
SEE FOUNDATION PLAN 1 / S100  
FOR INFO NOT SHOWN

**1 FOUNDATION PLAN**

1/8" = 1'-0"





NO.	DESCRIPTION	DATE

DRAWN BY YK  
APPROVED BY MR  
CHECKED BY PC  
DATE 10/29/2025

FRAMING NOTES

- FOR GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS, SEE SHEETS S001-S016 SERIES SHEETS COORDINATE ALL STRUCTURAL PLANS WITH TYPICAL DETAILS UON.
- VERIFY ALL DIMENSIONS, ELEVATIONS, GRIDS AND GRADES WITH ARCH & CIVIL DWGS PRIOR TO CONSTRUCTION.
- SEE ARCH DWGS FOR LOCATION, EXTENT AND TYPE OF ALL WALLS.
- SEE ARCH DWGS FOR ADDITIONAL REQUIREMENTS FOR NON-STRUCTURAL ELEMENTS.
- SEE DWGS OTHER THAN STRUCTURAL FOR FLOOR AND WALL FINISHES, SLOPES, DEPRESSIONS, PENETRATIONS, CURBS AND MECH EQUIPMENT.
- SEE ARCH & MECH DWGS FOR ALL EQUIPMENT SIZES AND LOCATIONS, SEE MECH DWGS FOR EQUIPMENT SUPPORTS.
- GENERAL CONTRACTOR SHALL COORDINATE LOCATION, SIZE, WEIGHT & INSTALLATION OF ALL MECH EQUIPMENT. NOTIFY STRUCTURAL ENGINEER OF ANY CHANGES OR DEVIATIONS FROM THE PLANS.
- ALL BEAMS SHOWN BEAR ON THE CENTER OF STEEL COLUMNS AND SHALL BE EQUALLY SPACED BETWEEN BEARING POINTS & GRIDLINES AS SHOWN UON.
- TOS ELEVATIONS ARE FROM EL +0'-0". SLOPE STEEL UNIFORMLY BETWEEN ELEVATIONS NOTED.

FRAMING LEGEND:

- INDICATES MINIMUM 18 GA METAL DECK SEE SCHEDULE FOR DECK FASTENER TYPE AND SPACING...

1 LOW ROOF FRAMING PLAN

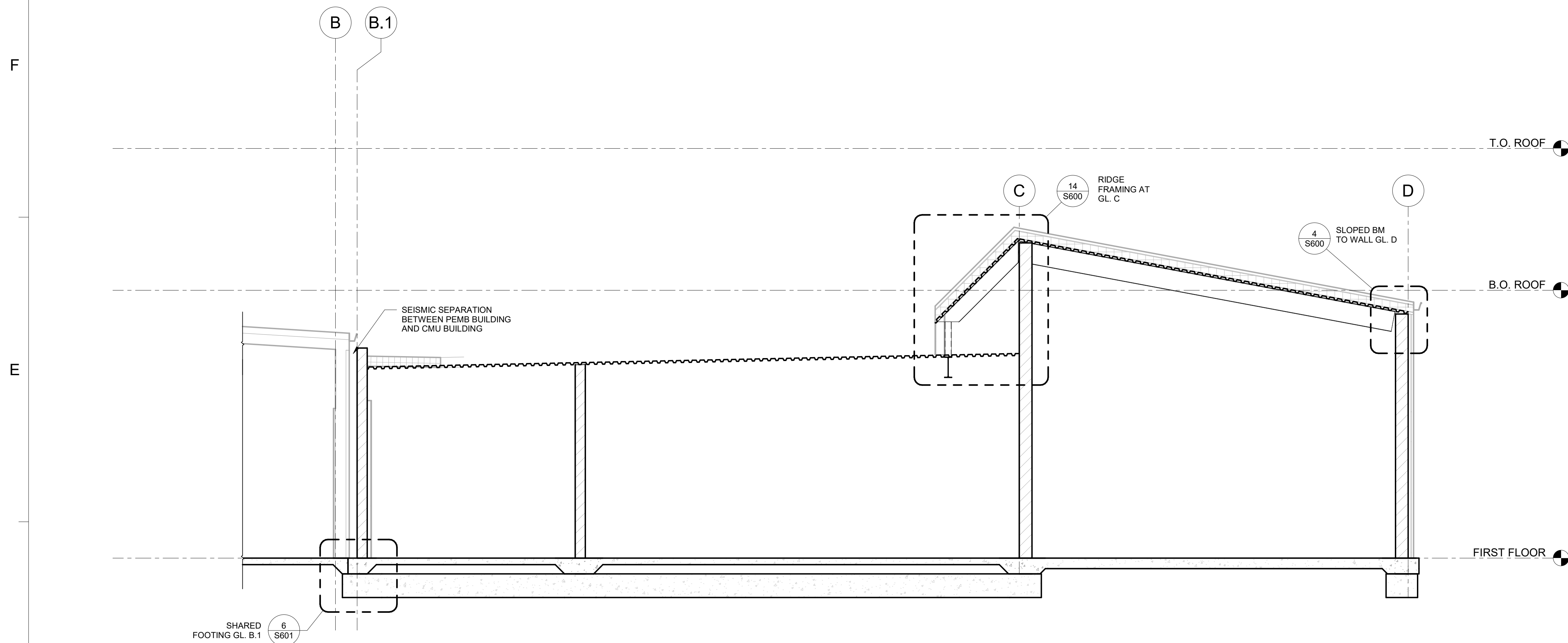
1/8" = 1'-0"



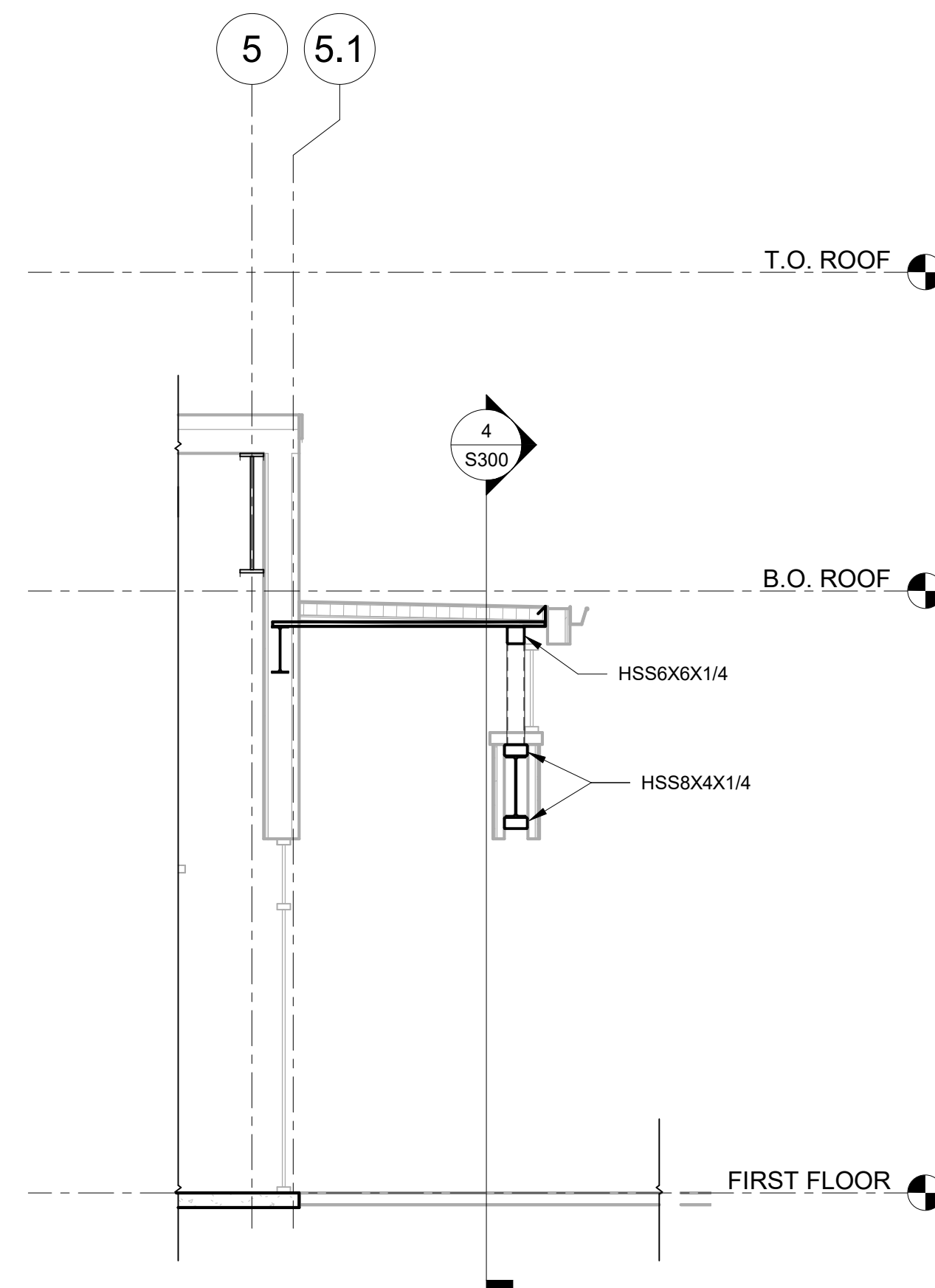


NO.	DESCRIPTION	DATE

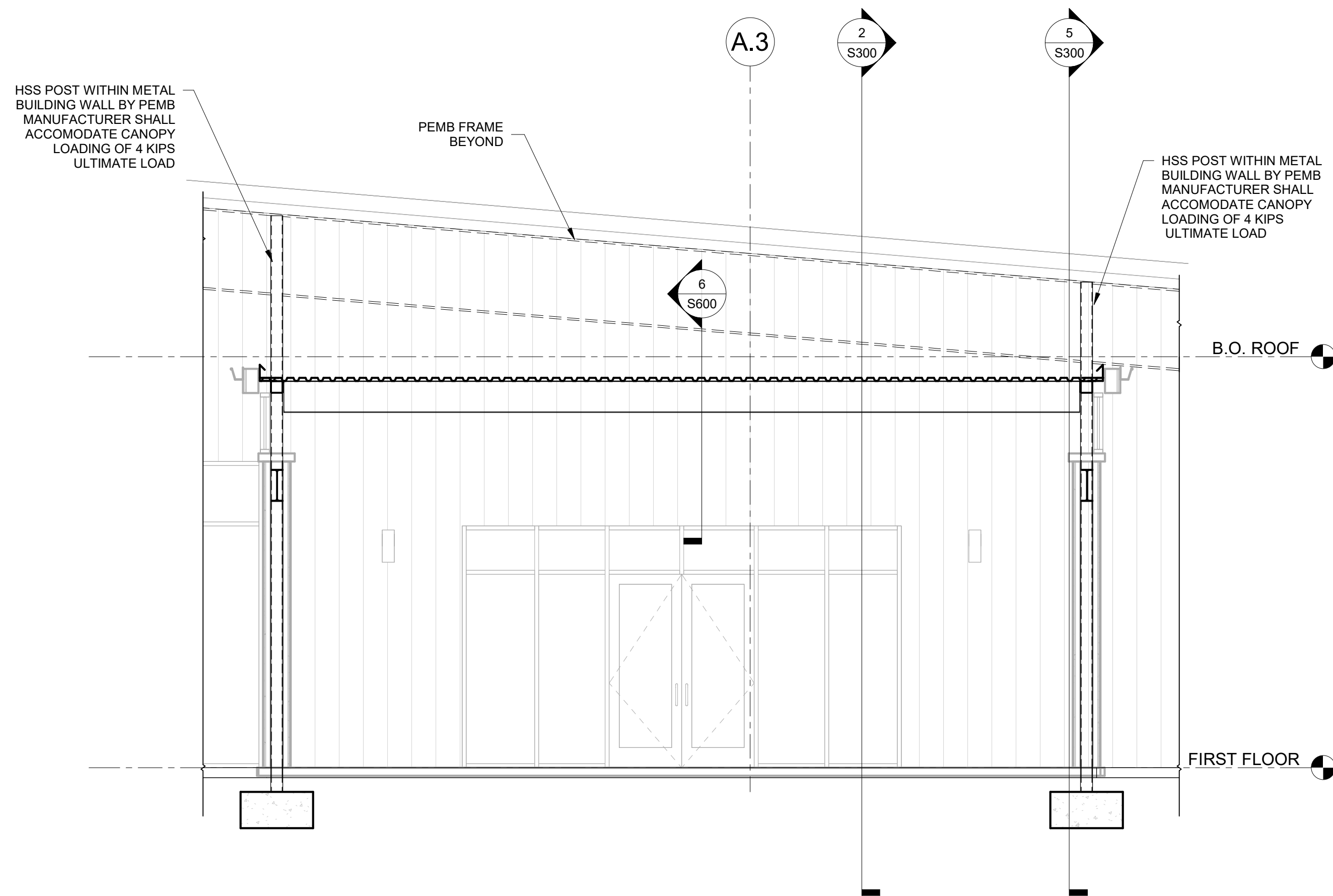
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DATE \_\_\_\_\_ 10/29/2025



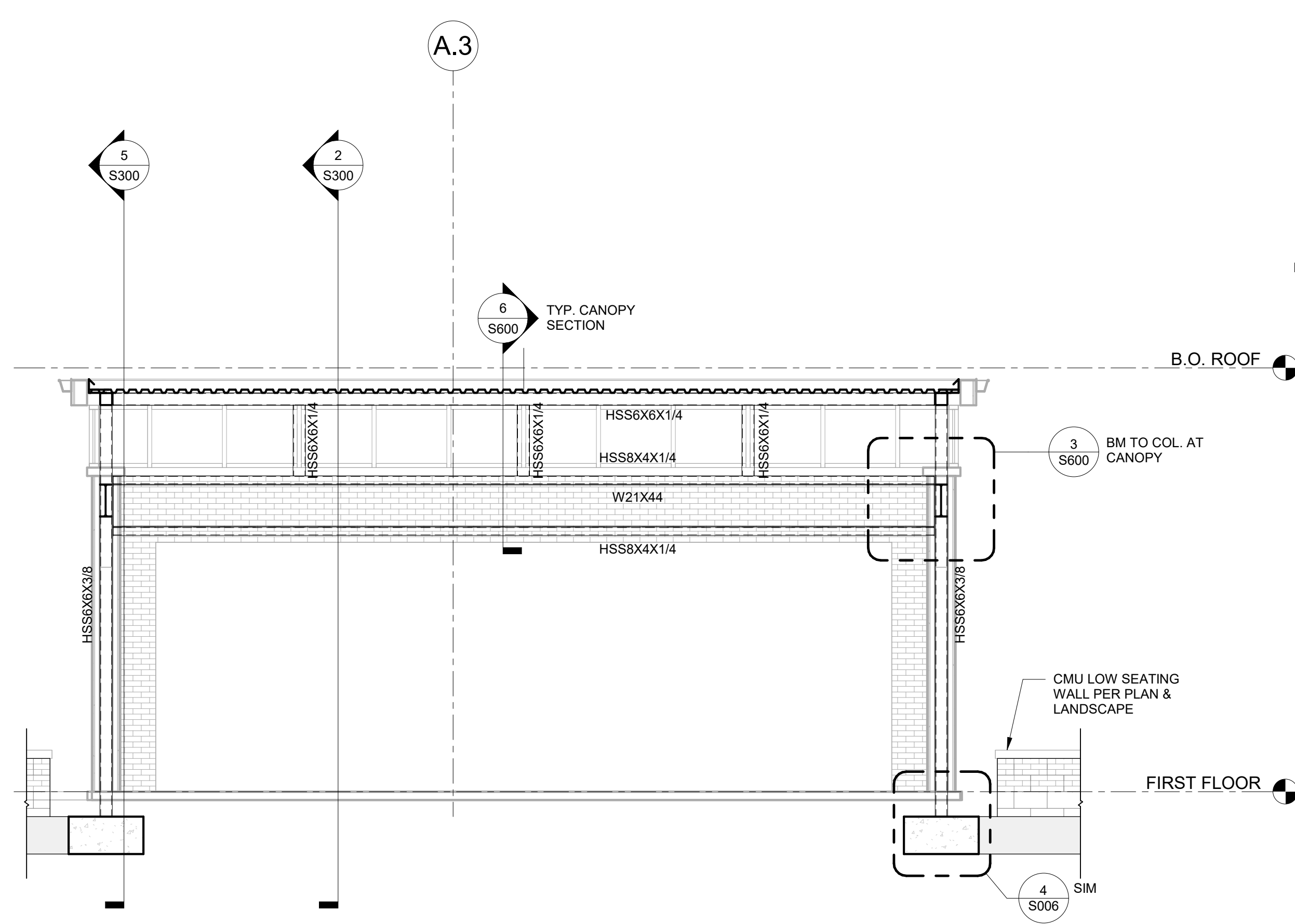
1 CMU BUILDING SECTION  
1/4" = 1'-0"



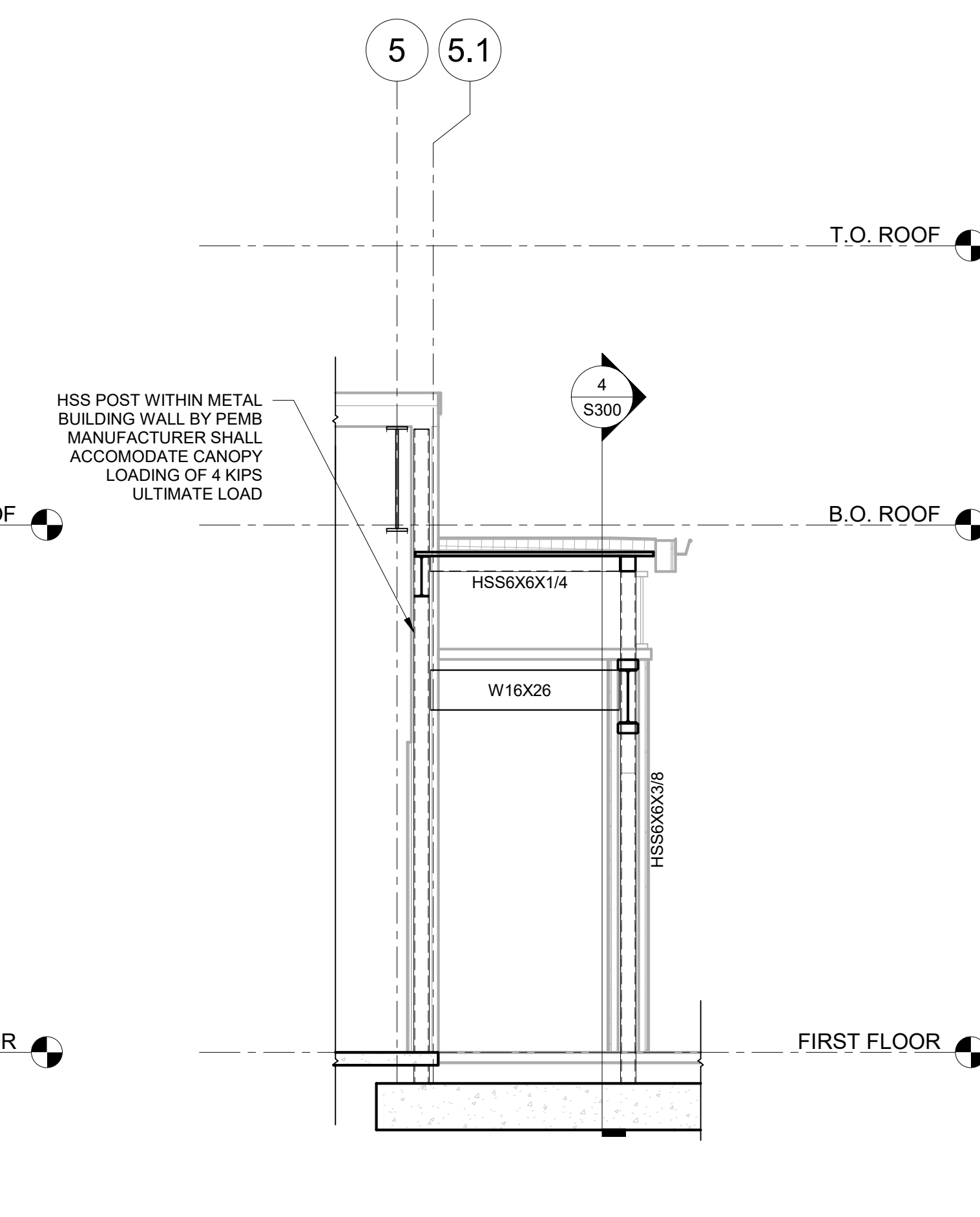
2 CANOPY SECTION TYP  
1/4" = 1'-0"



3 CANOPY NORTH ELEVATION  
1/4" = 1'-0"



4 CANOPY SOUTH ELEVATION  
1/4" = 1'-0"



5 CANOPY SECTION AT COLUMN  
1/4" = 1'-0"



REVISIONS		
NO.	DESCRIPTION	DATE

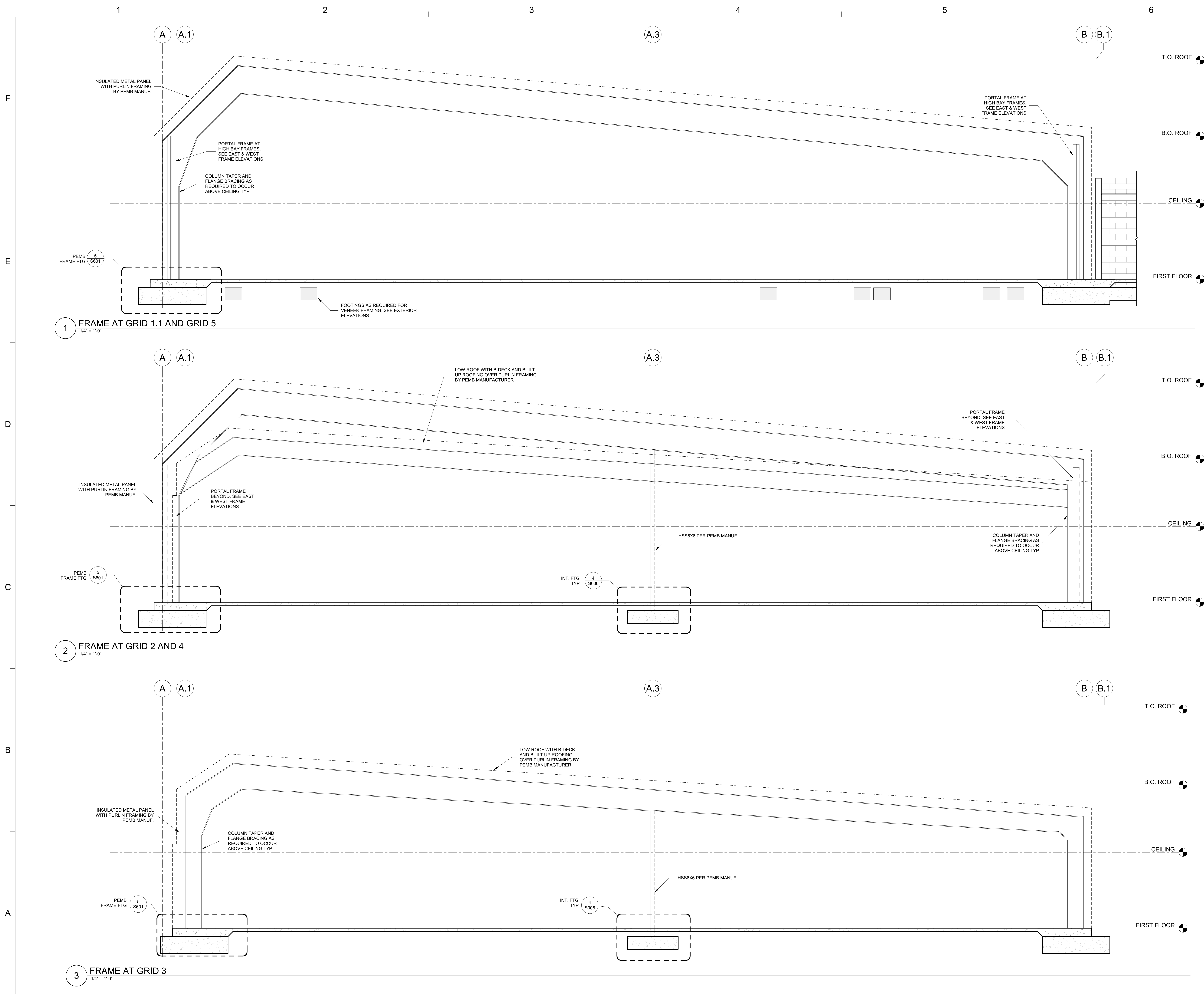
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DATE \_\_\_\_\_ 10/29/2025

TITLE  
FRAME  
ELEVATIONS

PROJECT NO. \_\_\_\_\_ Project Number

S401

SHEET NO.



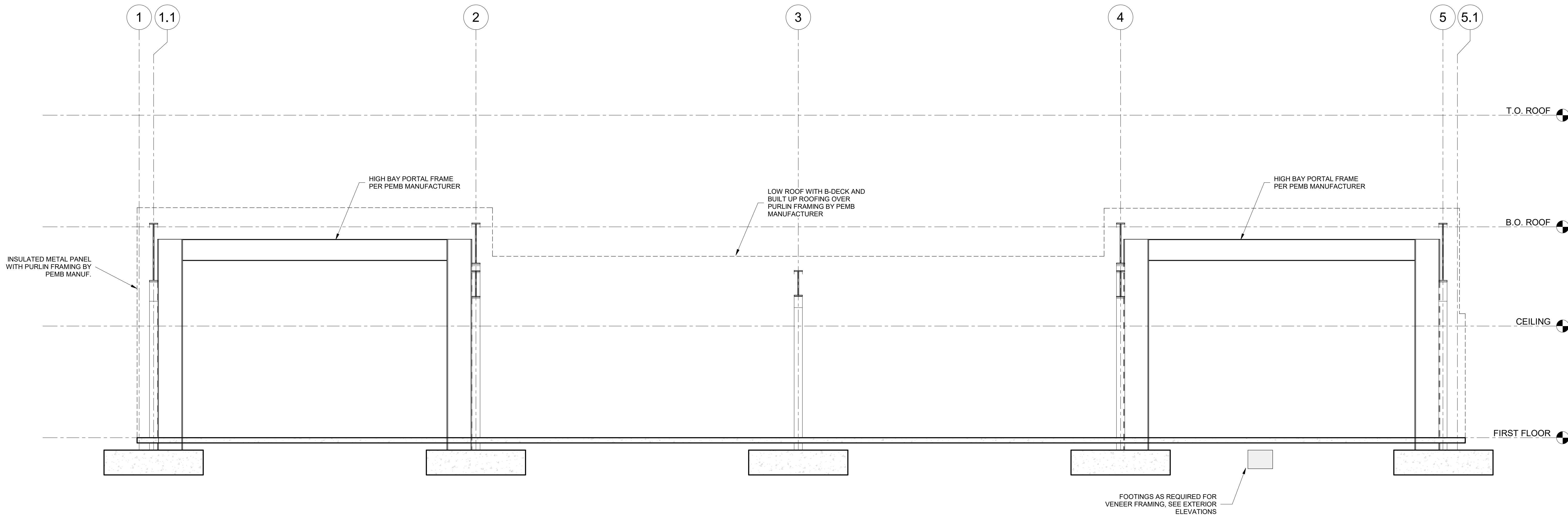




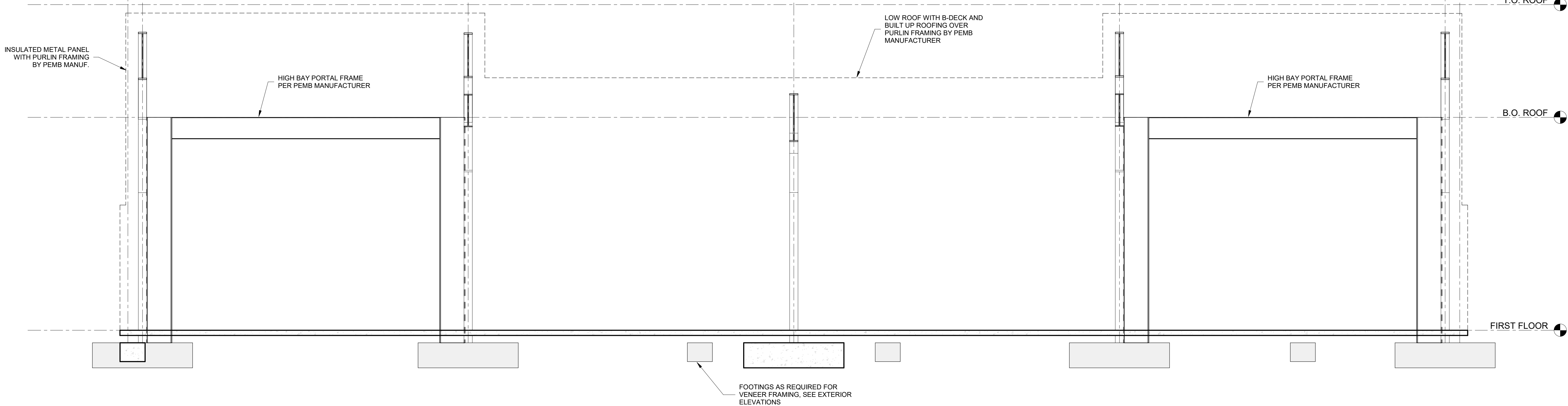
NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ YK  
APPROVED BY \_\_\_\_\_ MR  
CHECKED BY \_\_\_\_\_ PC  
DATE \_\_\_\_\_ 10/29/2025

1 FRAME AT GRID A/A.1  
1/4" = 1'-0"



2 FRAME AT GRID B  
1/4" = 1'-0"





SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ YK  
APPROVED BY \_\_\_\_\_ MR  
CHECKED BY \_\_\_\_\_ PC  
DATE \_\_\_\_\_ 10/29/2025

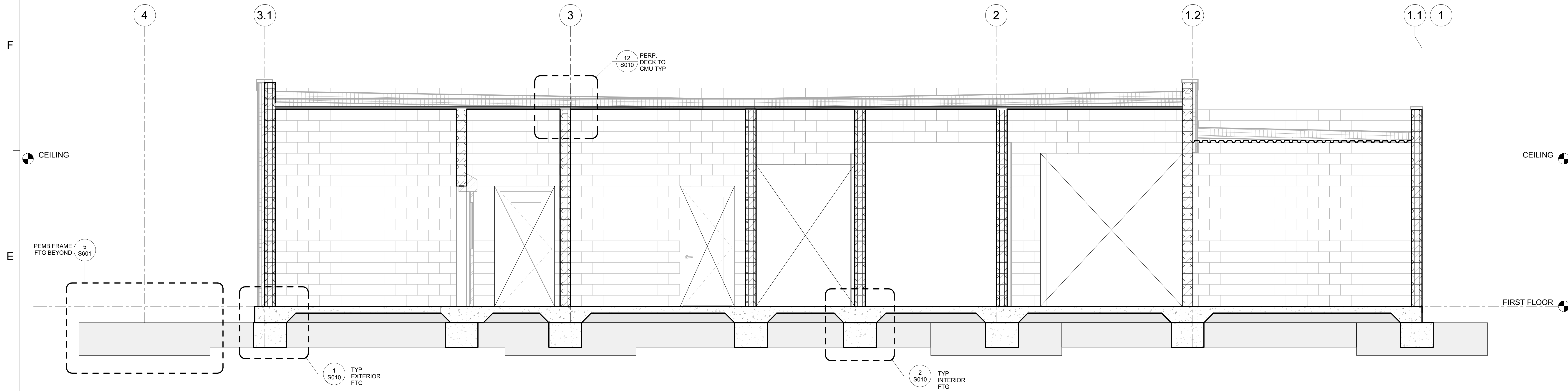
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CMU WALL  
ELEVATIONS

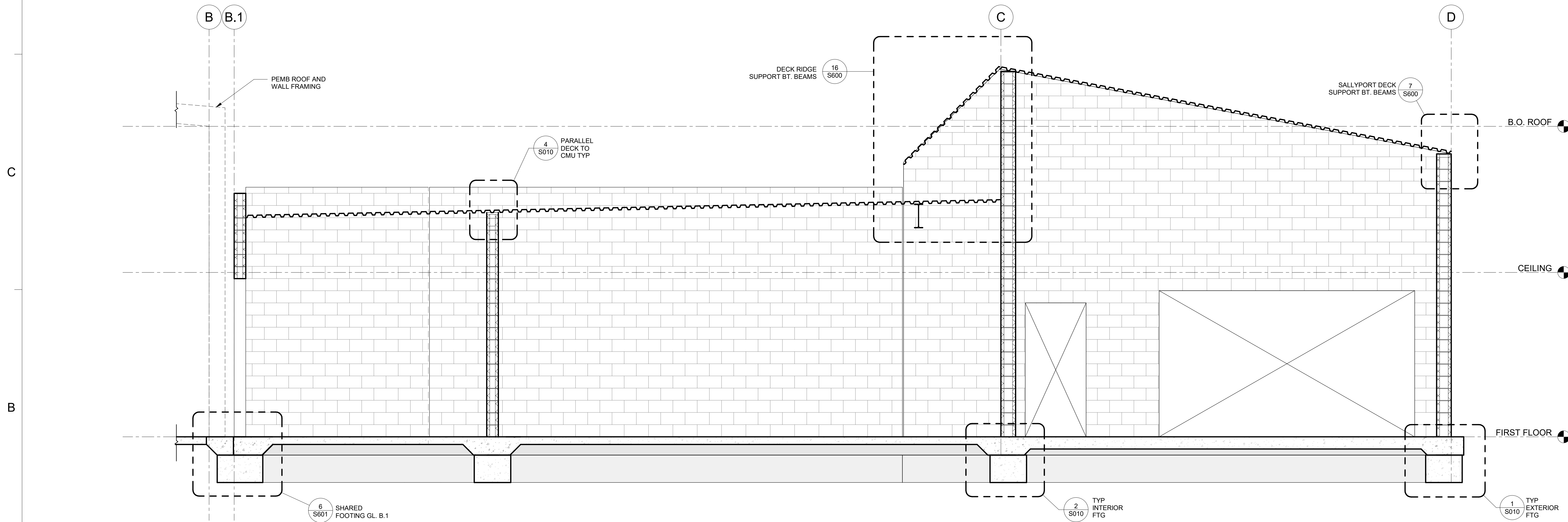
PROJECT NO. \_\_\_\_\_ Project Number

S403

SHEET NO.



1 CMU ELEVATION GL B.1  
3/8" = 1'-0"



2 CMU ELEVATION GL 1.2  
3/8" = 1'-0"







10/16/2025 4:03:09 PM

A

B

C

D

E

F

1

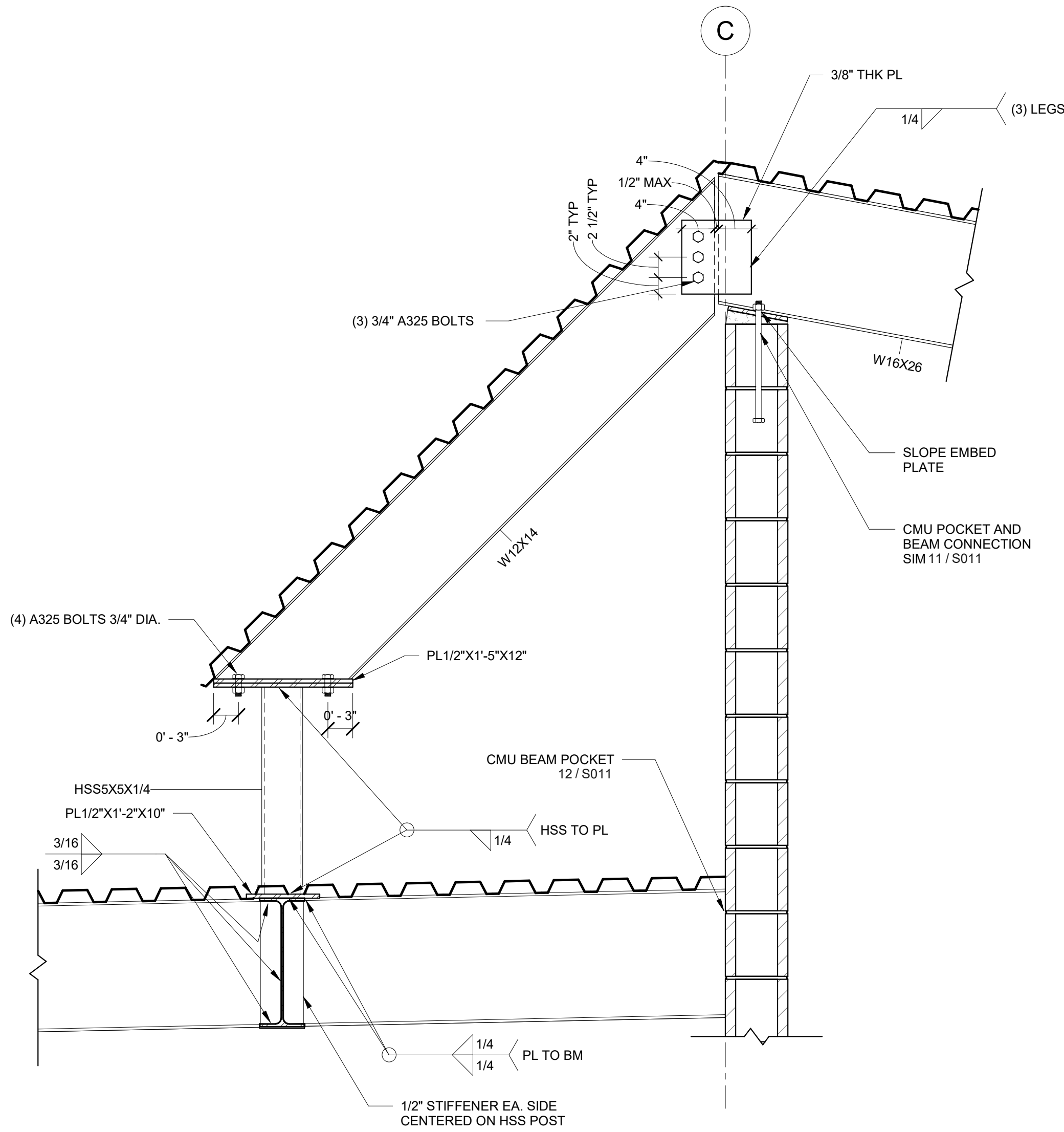
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3

4

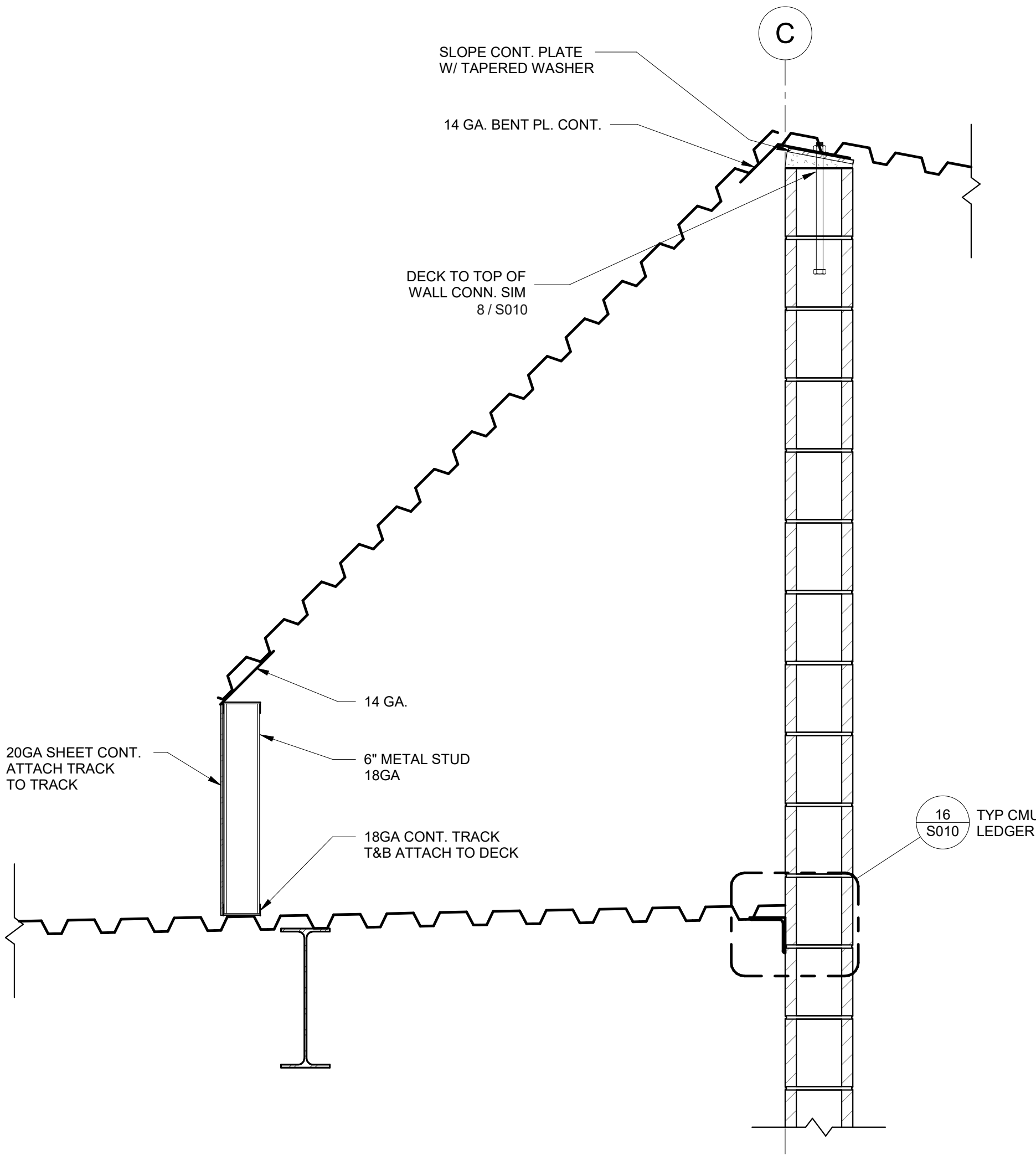
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6

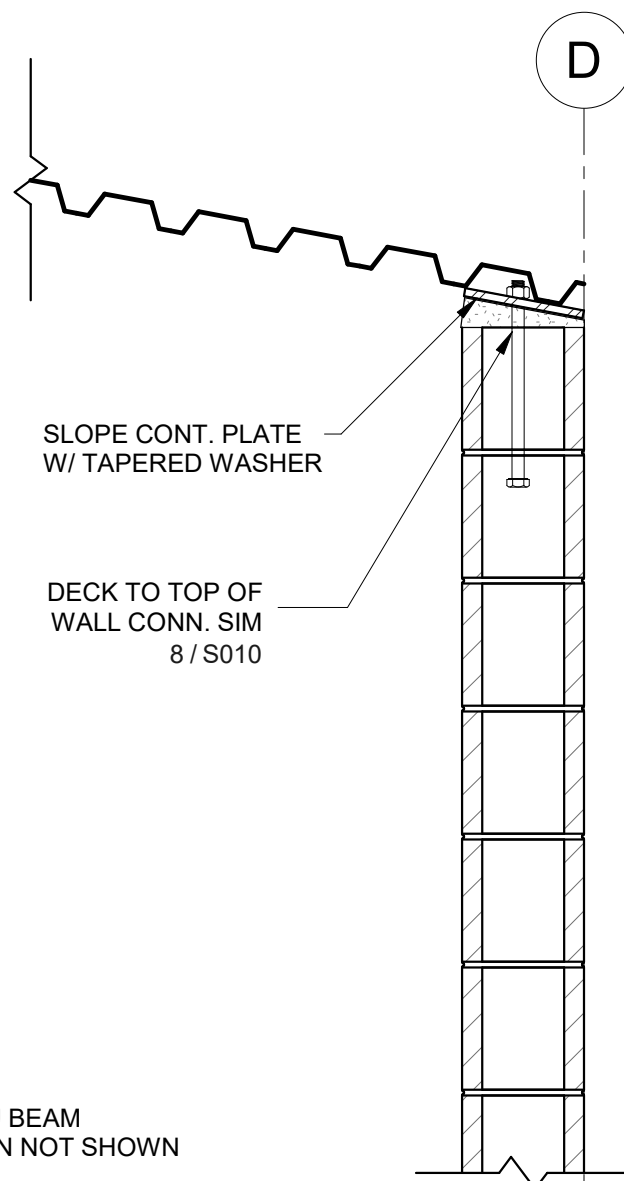


**NOTES:**  
1. SEE T1/S010 FOR CMU BEAM POCKET INFORMATION NOT SHOWN  
2. IT IS ACCEPTABLE TO BOLT HSS POST BOTTOM PLATE TO BM FLANGE W/  
(4) A325 BOLTS  
3. IT IS ACCEPTABLE TO WELD HSS POST DIRECTLY TO TOP BM FLANGE  
AND OMIT BOTTOM PLATE

14 SALLYPORT ROOF FRAMING GRID C  
1\"/>

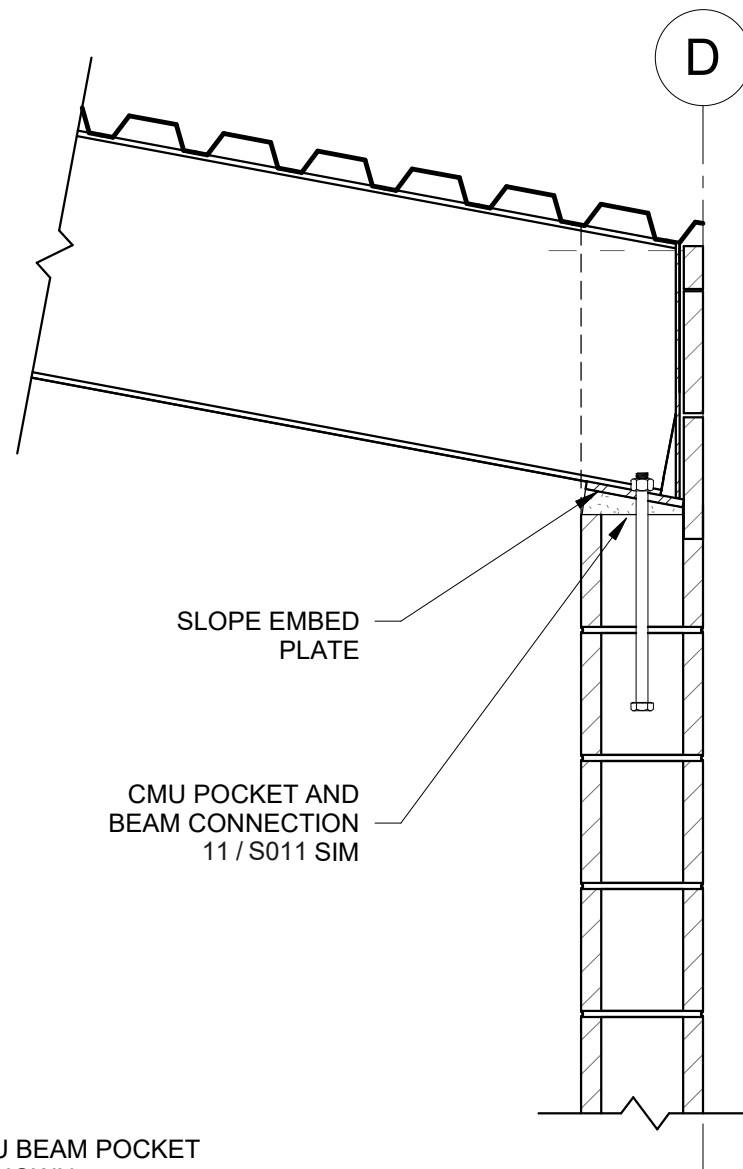


16 ROOF SUPPORT BETWEEN BEAMS GRID C  
1\"/>



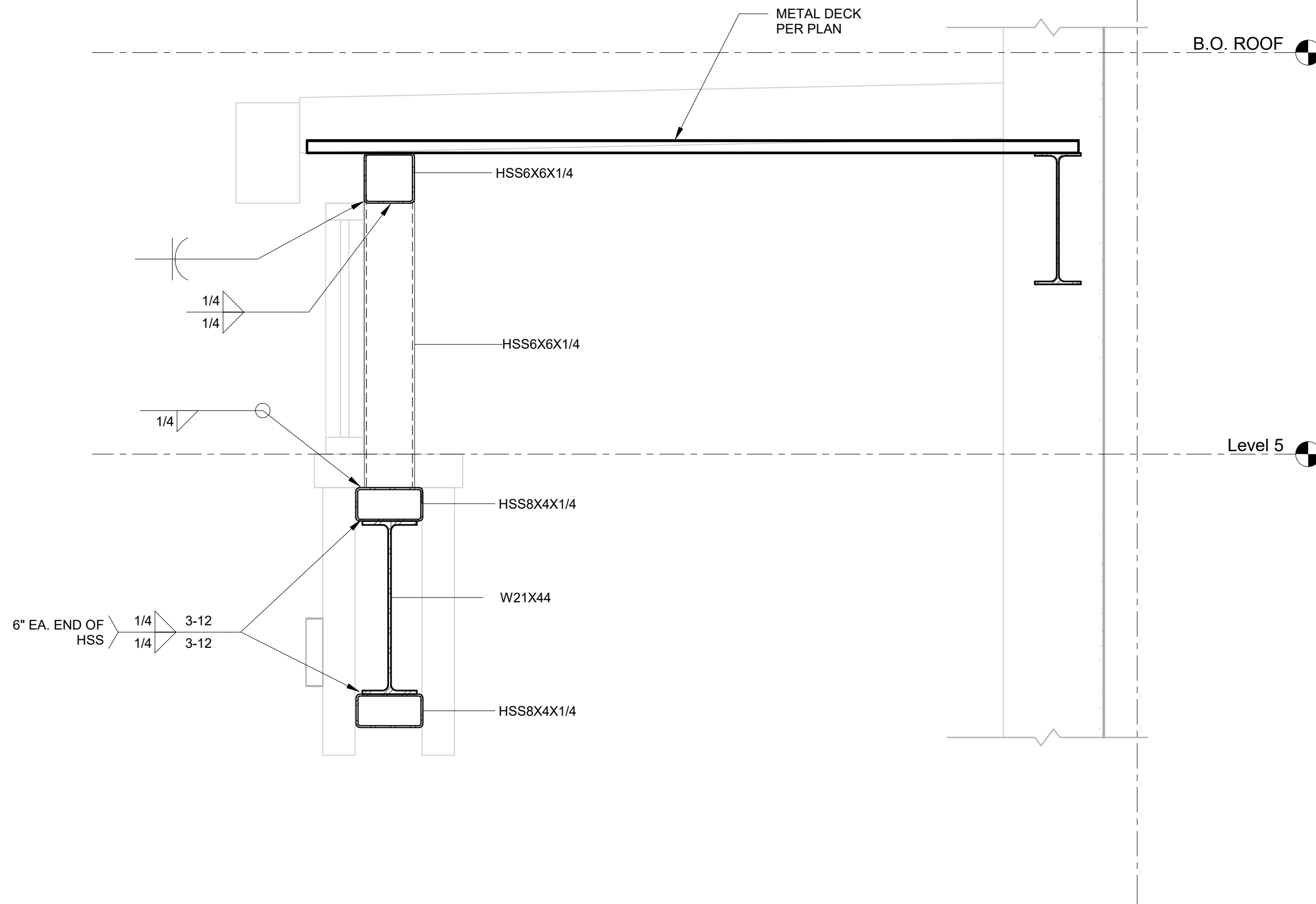
**NOTE:**  
SEE T1/S010 FOR CMU BEAM  
POCKET INFORMATION NOT SHOWN

7 ROOF SUPPORT BT BEAMS GRID D  
1\"/>

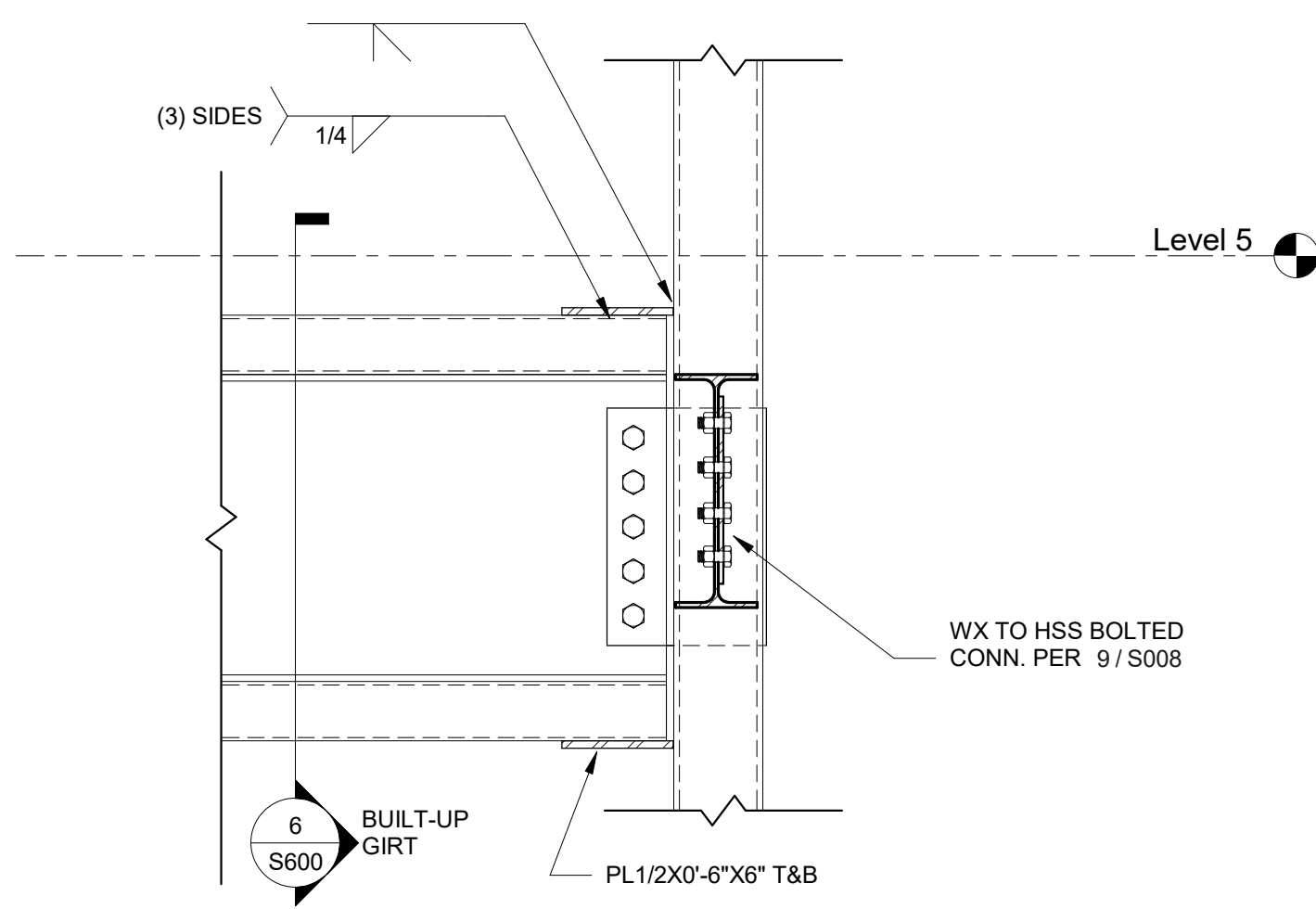


**NOTE:**  
SEE T1/S010 FOR CMU BEAM POCKET  
INFORMATION NOT SHOWN

4 SALLYPORT ROOF FRAMING GRID D  
1\"/>



6 ENTRY CANOPY SECTION TYP  
1\"/>



3 CANOPY FRAMING AT COL  
1\"/>



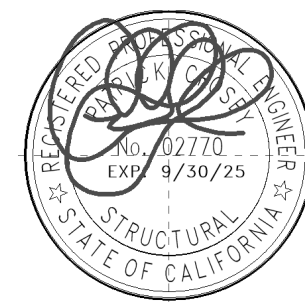
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8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



155 Bonnet Road, Suite 550 San Mateo, CA 94402  
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CITY OF MCFARLAND POLICE DEPARTMENT  
402 Mast Avenue  
McFarland, CA 93250  
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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ YK  
APPROVED BY \_\_\_\_\_ MR  
CHECKED BY \_\_\_\_\_ PC  
DATE \_\_\_\_\_ 10/29/2025  
TITLE

DETAILS

PROJECT NO. \_\_\_\_\_ Project Number

S600

SHEET NO.



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A

B

C

D

E

F

1

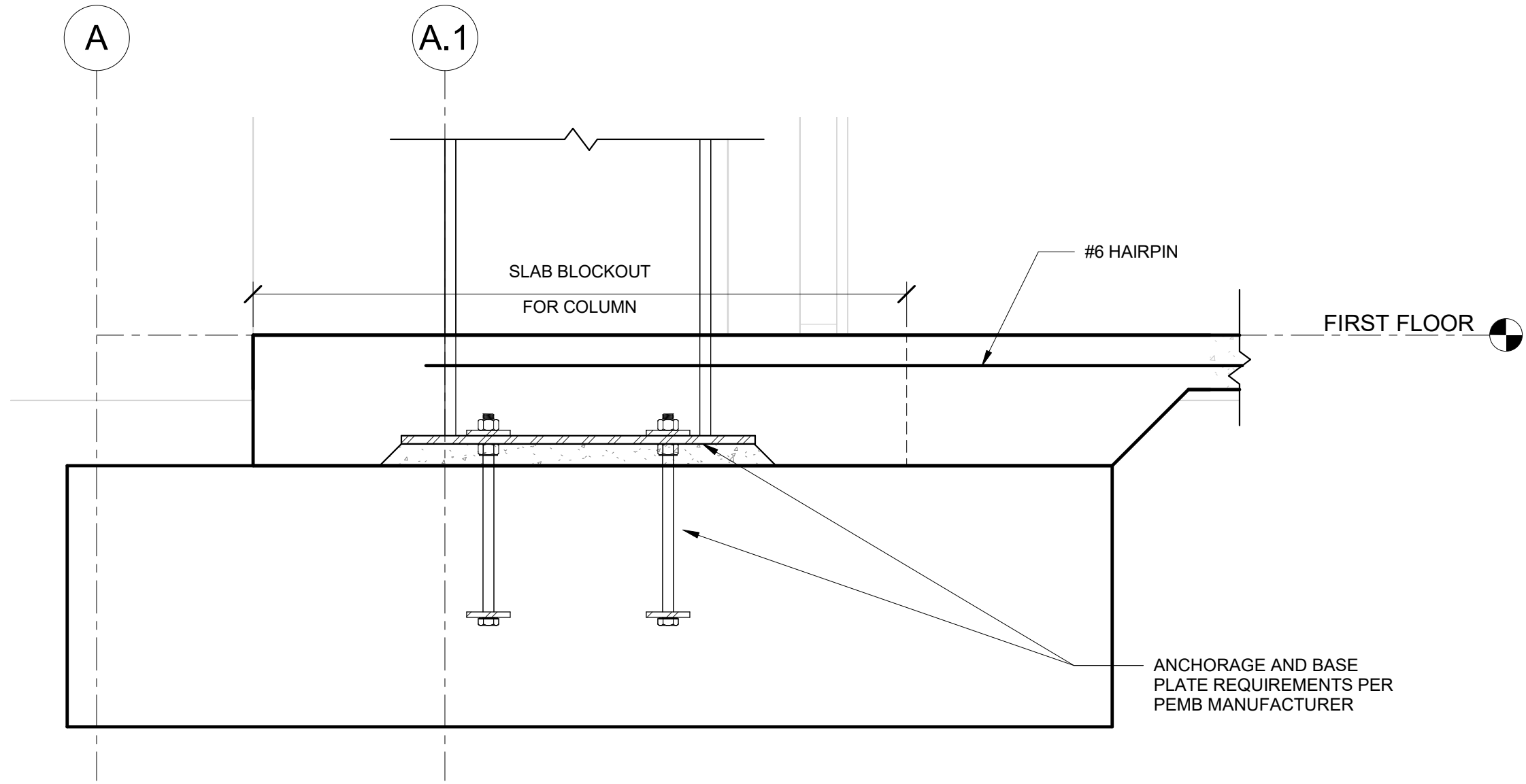
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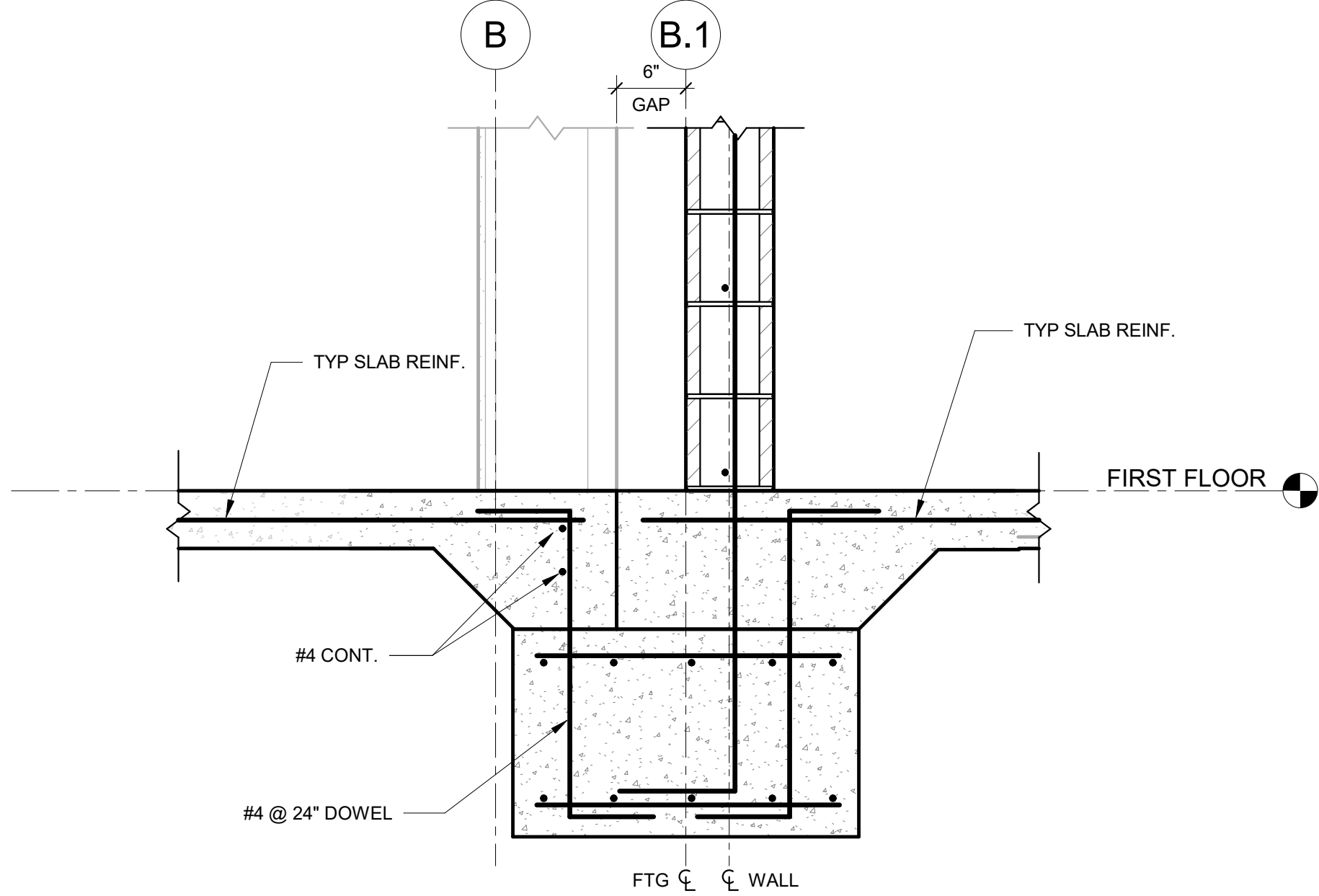
4

5

6



5 PEMB FRAME AT FTG  
1" = 1'-0"



6 CMU FOOTING AT GL B.1  
1" = 1'-0"



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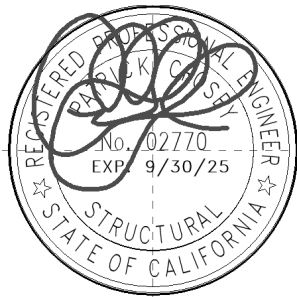
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TITLE

DETAILS




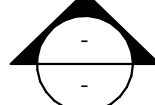



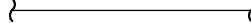
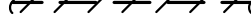

PROJECT NO. \_\_\_\_\_ Project Number

S601

SHEET NO.



## GENERAL LEGEND

SYMBOL	DESCRIPTION
	NOTE CALLOUT
	DETAIL CALLOUT - NUMBER ON TOP DENOTES DETAIL NUMBER - NUMBER ON BOTTOM DENOTES SHEET DETAIL IS SHOWN
	MECHANICAL EQUIPMENT CALLOUT, SEE MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS
	SECTION CALLOUT
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	NEW LINEWORK
	EXISTING LINEWORK
	DEMOLITION LINEWORK
	DIRECTION OF FLOW
10"Ø CD-1 100 CFM	DIFFUSER LABEL - NECK SIZE AND DIFFUSER TYPE - CUBIC FEET PER MINUTE





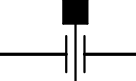












## DUCTWORK LEGEND

SYMBOL	DESCRIPTION
	SHEET METAL DUCT
	HIDDEN SHEET METAL DUCT
	INTERNALLY INSULATED SHEET METAL DUCT CLEAR INSIDE DIMENSION SHOWN, LINER THICKNESS IN PARENTHESES
	STANDARD BRANCH FOR SUPPLY AND RETURN
	ROUND ELBOW DOWN
	ROUND ELBOW UP
	RECTANGULAR TO ROUND TRANSITION
	FLEXIBLE DUCT
	FLEX CONNECTION
	BACK DRAFT DAMPER
	FIRE DAMPER
	COMBINATION FIRE AND SMOKE DAMPER
	MOTORIZED DAMPER
	BALANCING DAMPER
	SUPPLY DIFFUSER: 1-WAY/2-WAY/3-WAY/4-WAY
	GRILLE: RETURN/EXHAUST
	SUPPLY AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	EXHAUST AIR DUCT SECTION
	UNDERCUT DOOR
	TRANSFER GRILLE OR LOUVER
	DOOR GRILLE OR LOUVER
	SINGLE DUCT VAV BOX WITH REHEAT COIL
	SINGLE DUCT VAV BOX WITHOUT REHEAT COIL
	FILTER
	HUMIDIFIER DISPERSION GRID
	LOUVER
	ACCESS DOOR OR ACCESS PANEL (AP) IN DUCTWORK
	STATIC PRESSURE CHANGE TAG
	TURNING VANES (RECTANGULAR)

## PIPING LEGEND

SYMBOL	DESCRIPTION
	NEW PIPING (SIZE-SERVICE)
	EXISTING PIPING (SIZE-SERVICE)
	ELBOW FACING AWAY FROM VIEWER
	ELBOW FACING TOWARD VIEWER
	TEE FACING AWAY FROM VIEWER
	TEE FACING TOWARD VIEWER
	PIPE CAP
	TRANSITION, ASYMMETRIC
	TRANSITION, SYMMETRIC
	EXPANSION JOINT (COMPENSATOR)
	PIPE GUIDE
	PIPE ANCHOR
	UNION, SCREWED
	DRAIN, FUNNEL
	PUMP
	BALL VALVE
	BALL VALVE W/ ACTUATOR
	BUTTERFLY VALVE
	BUTTERFLY VALVE W/ ACTUATOR
	GATE VALVE
	GATE VALVE W/ ACTUATOR
	GLOBE VALVE
	GLOBE VALVE W/ ACTUATOR
	THREE-WAY VALVE
	THREE-WAY VALVE W/ ACTUATOR
	PRESSURE REDUCING VALVE
	CHECK VALVE, SWING
	CHECK VALVE, SPRING LOADED
	MULTI-PURPOSE VALVE
	FLOW MEASURING AND BALANCING VALVE
	HOSE BIBB VALVE
	LOCK SHIELD MANUAL VALVE
	PLUG VALVE
	PRESSURE REGULATOR
	STRAINER, Y-TYPE
	STRAINER WITH HOSE CONNECTION
	PRESSURE GAUGE WITH SHUTOFF COCK
	PRESSURE GAUGE WITH SNUBBER AND SHUTOFF COCK
	SELF-SEALING PRESSURE AND TEMPERATURE TAP
	THERMOMETER
	THERMOWELL
	FLOW METER
	FLOW REGULATOR AND FLOW LIMITING VALVE
	PUMP SUCTION DIFFUSER
	VACUUM BREAKER
	AIR VENT, AUTOMATIC
	FLEXIBLE CONNECTION
	COMBINATION FLEX-VANE STRAIGHTENER
	SAFETY OR RELIEF VALVE
	STEAM TRAP
	AIR SEPARATOR

## CONTROL LEGEND

SYMBOLS	DESCRIPTION
	DDC PHYSICAL POINT
	SENSOR
	SWITCH
	COMMUNICATION GATEWAY CONNECTION TO DDC
	ELECTRONICALLY COMMUTATED MOTOR
	VARIABLE FREQUENCY DRIVE
	ELECTRONIC 3-WAY VALVE
	ELECTRONIC 2-WAY VALVE
	ELECTRONIC BUTTERFLY VALVE
	DAMPER WITH ACTUATOR, OPPOSED BLADE
	DAMPER WITH ACTUATOR, PARALLEL BLADE
	COOLING COIL
	HEATING COIL
	AIR FILTER BANK
	AVERAGING AIR TEMPERATURE SENSOR
	FIELD CONTROL WIRING
	FIELD POWER WIRING

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
(E)	EXISTING	HZ	HERTZ
AAV	AUTOMATIC AIR VENT	ID	INSIDE DIAMETER
AFF	ABOVE FINISHED FLOOR	IN	INCHES
AH	AIR HANDLING UNIT	KW	KILOWATTS
AP	ACCESS PANEL	LAT	LEAVING AIR TEMPERATURE
APD	AIR PRESSURE DROP	LBS	POUNDS
BC	BYPASS DAMPER	LF	LINEAR FEET
BDD	BACK DRAFT DAMPER	LIQ	LIQUID
BFO	BELOW FINISHED CEILING	LWT	LEAVING WATER TEMPERATURE
BFP	BACK FLOW PREVENTER	MAX	MAXIMUM
BHP	BREAK HORSEPOWER	MBH	THOUSAND BTU PER HOUR
BLDG	BUILDING	MC	MECHANICAL CONTRACTOR
CB	BOTTOM OF BEAM	MCA	MINIMUM CIRCUIT AMPS
BOF	BOTTOM OF PIPE	MH	MAN-HOLE
BTU	BRITISH THERMAL UNIT	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	MOCP	MAXIMUM OVERLOAD CIRCUIT PROTECTION
CHWR	CHILLED WATER RETURN	NFA	NET FREE AREA
CHWS	CHILLED WATER SUPPLY	NIC	NOT IN CONTRACT
CL	CENTER LINE	NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
CL	CONDENSATE PUMP	OA	OUTSIDE AIR
CT	COOLING TOWER	OAS	OUTSIDE AIR TEMPERATURE
COND	CONDENSING UNIT	OB	OPPOSED BLADE DAMPER
CV	CONSTANT VOLUME BOX	OC	ON CENTER
CWFR	CONDENSER WATER FILTER RETURN	OD	OUTSIDE DIAMETER
CWFS	CONDENSER WATER FILTER SUPPLY	PD	PRESSURE DROP
CWR	CONDENSER WATER RETURN	PERF	PERFORATED
CWS	CONDENSER WATER SUPPLY	PH	PHASE
DB	DRY BULB	POD	POINT OF DISCONNECT
DEG	DEGREES	PR	PRESSURE RELIEF
DIA	DIAMETER	PRV	PRESSURE REDUCING VALVE
DL	DOOR LOUVER	PSD	POUNDS PER SQUARE INCH DIFFERENTIAL
DN	DOWN	PSIS	POUNDS PER SQUARE INCH GAUGE
DX	DIRECT EXPANSION	PVC	POLYVINYL CHLORIDE
EA	EACH	RA	RETURN AIR
EAT	ENTERING AIR TEMPERATURE	RF	RETURN FAN
EC	ELECTRICAL CONTRACTOR	RLA	RATED LOAD AMPS
EFF	EFFICIENCY	RLM	REVOLUTIONS PER MINUTE
EL	ELEVATION	RA	SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	SF	SUPPLY FAN
EWT	ENTERING WATER TEMPERATURE	SPEC	SPECIFICATION
FO	FIRE DAMPER	SS	STAINLESS STEEL
FG	FILTER GRILLE	STD	STANDARD
FLA	FULL LOAD AMPS	TAD	TRANSFER AIR DUCT
FLR	FLOOR	TDH	TOTAL DYNAMIC HEAD
FOB	FLAT ON BOTTOM	TEFC	TOTALLY ENCLOSED FAN COOLED
FOT	FLAT ON TOP	TSP	TOTAL STATIC PRESSURE
FR	FANS PER INCH	TYP	TYPICAL
FFM	FEET PER MINUTE	UC	UNDERCUT
FSD	FIRE SMOKE DAMPER	V	VOLTS
FT	FEET OR FOOT	VAP	VAPOR
FX	FLEXIBLE CONNECTION	VAV	VARIABLE AIR VOLUME
GA	GAUGE	VD	VOLUME DAMPER
GALV	GALVANIZED	VFD	VARIABLE FREQUENCY DRIVE
GC	GENERAL CONTRACTOR	VTR	VENT THRU ROOF
GPH	GALLONS PER HOUR	VWT	VARIABLE VOLUME AND TEMPERATURE
GPM	GALLONS PER MINUTE	W	WITH
HB	HOSE BIBBS	WO	WITHOUT
HD	HEAD	WB	WET BULB
HWHR	HEATING HOT WATER RETURN	WC	WATER COLUMN
HWHS	HEATING HOT WATER SUPPLY	WG	WATER GAUGE
HP	HEAT PUMP	WPD	WATER PRESSURE DROP
HP	HORSEPOWER	WT	WEIGHT
HT	HEIGHT	°F	DEGREES FAHRENHEIT

IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, REFERENCE WILL BE MADE TO ANSI Y1.1, MILITARY STANDARD ABBREVIATIONS AND OTHER STANDARD INDUSTRY CONVENTIONS.

## CONTROL ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
	ALARM	PS	PRESSURE SWITCH
AFMS	AIRFLOW MONITORING STATIONS	PT	PRESSURE TRANSMITTER
AI	ANALOG INPUT	RH	RELATIVE HUMIDITY
AO	ANALOG OUTPUT	S	STATUS
CS	CURRENT SWITCH	SC	SPEED CONTROL
DI	DIGITAL INPUT	SI	SPEED INDICATOR
DO	DIGITAL OUTPUT	SP	SETPOINT
DP	DIFFERENTIAL PRESSURE	SS	START/STOP
FM	FLOW METER	T	TEMPERATURE
FS	FLOW SWITCH	TI	TEMPERATURE INDICATOR
HOA	HANDS-OFF-AUTO	VA	DAMPEN/VALVE ACTUATOR
KW	KILOWATTS	VP	VELOCITY PRESSURE
LA	LEVEL ALARM	VSH	VIBRATION SWITCH
MOD	MOTOR OPERATED DAMPER	ZC	CLOSED END SWITCH
NC	NORMALLY CLOSED	ZI	POSITION INDICATOR
NO	NORMALLY OPEN	ZO	OPEN END SWITCH

IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, REFERENCE WILL BE MADE TO ANSI STANDARD ABBREVIATIONS AND OTHER STANDARD INDUSTRY CONVENTIONS.

## SHEET INDEX

SHEET	DESCRIPTION
M001	GENERAL NOTES, LEGEND, ABBREV. AND SHEET INDEX
M002	SCHEDULES
M003	MECHANICAL ZONING PLAN
M021	MECHANICAL FLOOR PLAN & PIPING
M232	MECHANICAL ROOF PLAN & PIPING
M301	ENLARGED PLANS
M501	CONTROL DIAGRAMS
M502	CONTROL DIAGRAMS
M503	CONTROL DIAGRAMS
M601	DETAILS
M602	DETAILS
M603	DETAILS
M604	DETAILS
M605	DETAILS
M701	TITLE 24 COMPLIANCE FORMS
M702	TITLE 24 COMPLIANCE FORMS
M703	TITLE 24 COMPLIANCE FORMS
M704	TITLE 24 COMPLIANCE FORMS
M705	TITLE 24 COMPLIANCE FORMS

## ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
(E)	EXISTING	HZ	HERTZ
AAV	AUTOMATIC AIR VENT	ID	INCHES DIAMETER
AFF	ABOVE FINISHED FLOOR	IN	INCHES
AHU	AIR HANDLING UNIT	KW	KILOWATTS
AP	ACCESS PANEL	LAT	LEAVING AIR TEMPERATURE
APD	AIR PRESSURE DROP	LBS	POUNDS
BP	BYPASS DAMPER	LF	LINEAR FEET
BDD	BACK DRAFT DAMPER	LQ	LICHT
BC	BELOW FINISHED CEILING	LWT	LEAVING WATER TEMPERATURE
BFP	BACK FLOW PREVENTER	MAX	MAXIMUM
BHP	BREAK HORSEPOWER	MBH	THOUSAND BTU PER HOUR
BLDG	BUILDING	MC	MECHANICAL CONTRACTOR
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BOP	BOTTOM OF PIPE	MH	MANHOLE
BTU	BRITISH THERMAL UNIT	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	MOCOP	MAXIMUM OVERLOAD CIRCUIT PROTECTION
CHWR	CHILLED WATER RETURN	NFA	NET FREE AREA
CHWS	CHILLED WATER SUPPLY	NIC	NOT IN CONTRACT
CI	CAST IRON	NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
CL	CENTER LINE	OA	OUTSIDE AIR
CP	CONDENSATE PUMP	ODT	OUTSIDE AIR TEMPERATURE
CT	COOLING TOWER	OBD	OPPOSED BLADE DAMPER
CJ	CONDENSING UNIT	OC	ON CENTER
CV	CONSTANT VOLUME BOX	OD	OUTSIDE DIAMETER
CWFR	CONDENSER WATER FILTER RETURN	PD	PRESSURE DROP
CWFS	CONDENSER WATER FILTER SUPPLY	PERF	PERFORATED
CWR	CONDENSER WATER RETURN	PH	PHASE
CWS	CONDENSER WATER SUPPLY	POD	POINT OF DISCONNECT
DB	DRY BULB	PRV	PRESSURE RELIEF
DEG	DEGREES	PRV	PRESSURE REDUCING VALVE
DIA	DIAMETER	PSID	POUNDS PER SQUARE INCH DIFFERENTIAL
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DN	DOWN	PVC	POLYVINYL CHLORIDE
DX	DIRECT EXPANSION	RA	RETURN AIR
EA	EACH	RF	RETURN FAN
EAT	ENTERING AIR TEMPERATURE	RA	RATED LOAD AMPS
EC	ELECTRICAL CONTRACTOR	RPM	REVOLUTIONS PER MINUTE
EFF	EFFICIENCY	SA	SUPPLY AIR
EL	ELEVATION	SF	SUPPLY FAN
ESP	EXTERNAL STATIC PRESSURE	SF	SPECIFICATION
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FLOB	FLOAT ON BOTTOM	TSP	TOTAL STATIC PRESSURE
FOT	FLOAT ON TOP	TYP	TYPICAL
FPI	FINS PER INCH	UC	UNDERCUT
FFM	FEET PER MINUTE	V	VOLTS
FD	FIRE SMOKE DAMPER	VAP	VAPOR
FT	FEET OR FOOT	V	VARIABLE AIR VOLUME
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GA	GAUGE	VFD	VARIABLE FREQUENCY DRIVE
GALV	GALVANIZED	VTR	VENT THRU ROOF
GC	GENERAL CONTRACTOR	W	VARIABLE VOLUME AND TEMPERATURE
GPH	GALLONS PER HOUR	WTH	WITH
GPM	GALLONS PER MINUTE	W/O	WITHOUT
HB	HOOD BIBB	WB	WET BULB
HD	HEAD	WC	WATER COLUMN
HWHR	HEATING HOT WATER RETURN	WG	WATER GAUGE
HWHS	HEATING HOT WATER SUPPLY	WPD	WATER PRESSURE DROP
HP	HEAT PUMP	WT	WEIGHT
HP	HORSEPOWER	°F	DEGREES FAHRENHEIT
HT	HEIGHT		

## GENERAL NOTES

1. AIR CONDITIONING REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE PROTECTED FROM UNAUTHORIZED ACCESS WITH LOCKING-TYPE TAMPER RESISTANT CAPS OR OTHER ACCEPTABLE MEANS.
2. ALL APPLIANCE AND PLUMBING VENTS AND THE DISCHARGE OUTLET OF EXHAUST FANS SHALL BE AT LEAST 1 FEET HORIZONTAL OR 3 FEET ABOVE THE OUTSIDE AIR INTAKES FOR HVAC UNITS AND MINIMUM 3 FEET FROM PROPERTY LINES AND OPENINGS INTO BUILDING PER CMC 502.2.
3. ALL OUTDOOR AIR INTAKE OPENINGS SHALL BE COVERED WITH A SCREEN HAVING NOT LESS THAN 1/4" OPENINGS AND NOT MORE THAN 1/2" OPENINGS.
4. ALL HEATING, VENTILATING, AND AIR CONDITIONING SYSTEMS (INCLUDING HYDRONIC SYSTEMS) SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED METHODS PER CMC 314.1. ALL ROOF MOUNTED EQUIPMENT SHALL ALSO BE LABELED AS TO THE SPACE IT SERVES.
5. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HVAC EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL TO REDUCE DUST, WATER, AND DEBRIS WHICH MAY ENTER THE SYSTEM.
6. PRIOR TO PERMIT BEING FINALIZED, A COMPLETE REPORT OF THE COMMISSIONING PROCESS SHALL BE PROVIDED TO THE OWNER AND "FORM 5.410 - VERIFICATION" SHALL BE COMPLETED AND PROVIDED TO THE INSPECTOR.
7. MATERIALS FOR HYDRONIC SYSTEM PIPING, TUBES AND FITTINGS SHALL COMPLY WITH STANDARDS DESCRIBED IN THE 2022 CPC, TABLE 1210.1.
8. HYDRONIC PIPING INSULATION SHALL CONFORM TO THE REQUIREMENTS OF 2022 BUILDING ENERGY EFFICIENCY STANDARDS, TABLE 120.3-A.
9. SPACE HEATING HOT WATER PIPING SHALL BE SUPPORTED, ANCHORED, AND PROVIDED WITH SWING JOINTS, EXPANSION LOOPS, OR OTHER MEANS TO AVOID EXCESSIVE STRESS ON PIPING, EQUIPMENT, OR BUILDING STRUCTURE.
10. PROVISION SHALL BE MADE FOR THE REMOVAL OF AIR FROM FLUID IN HYDRONIC SYSTEMS. AIR-REMOVE DEVICES SHALL BE LOCATED IN ACCESSIBLE AREAS OF THE HYDRONIC PIPING SYSTEM WHERE AIR IS LIKELY TO ACCUMULATE. MEANS SHALL BE PROVIDED TO DRAIN HYDRONIC SYSTEM PIPING. (CMC 1214.6 & 1221.4).
11. INSTALLATIONS OF LISTED APPLIANCES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND CONDITIONS OF LISTING.
12. INSTALL VIBRATION ISOLATORS BETWEEN MECHANICAL EQUIPMENT AND METAL DUCTS. VIBRATION ISOLATORS SHALL BE MADE OF AN APPROVED MATERIAL AND SHALL NOT EXCEED 10 INCHES IN LENGTH (CMC 602.5).
13. EXHAUST DUCTS MUST TERMINATE TO OUTDOORS.
14. WHEN FIRE DETECTION OR ALARM SYSTEMS ARE PROVIDED FOR THE BUILDING, ANY REQUIRED DUST SMOKE DETECTORS AND FIRE SMOKE DAMPERS SHALL BE SUPERVISED BY SUCH SYSTEMS AND SHALL BE CAPABLE OF ACTIVATING THE FIRE ALARM SYSTEM.
15. ALL WORK SHALL COMPLY WITH THE 2022 EDITIONS OF THE CALIFORNIA BUILDING, MECHANICAL, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, OR LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN, YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
16. SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
17. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
18. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DRAWINGS AND SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
19. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
20. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE OWNER TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF AN ALARM WOULD BE OUTSIDE THE SCOPE OF WORK-ARE BE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
21. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS. THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE MAKING FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION OR ERECTION OF HVAC SYSTEMS. ANY DISCREPANCY OR INCONSISTENCY BETWEEN THE FIELD MEASUREMENTS AND THE CONSTRUCTION CHECK DRAWINGS SHOWING WORK OF OTHER TRADES AND CONSULT WITH THE OWNERS REPRESENTATIVE IN THE EVENT OF POTENTIAL INTERFERENCE. SHOP DRAWINGS SHALL BE MINIMUM 1/4"=1'-0" SCALE, INDICATING FITTINGS, SIZES, WELDS AND CONFIGURATIONS AND SUBMITTED TO ENGINEER FOR REVIEW.
22. THIS CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
23. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
24. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS.
25. THIS CONTRACTOR SHALL NOT BORE, NOTCH, CUT, OR PENETRATE INTO A STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM A DESIGNATED STRUCTURAL ENGINEER, ARCHITECT, AND THE OWNER.
26. ALL PIPE ELBOWS SHALL BE LONG RADIUS UNLESS OTHERWISE SPECIFICALLY NOTED ON THE DRAWINGS.
27. INSTALL MANUAL VALVE DAMPERS WITHIN DUCT BRANCHES TO BALANCE AIRFLOW CFM. ON INSULATED DUCTS, MOUNT DAMPER REGULATOR ON 2" STAND-OFF BRACKET TO CLEAR INSULATION.
28. MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND A SMOKE-DEVELOPED INDEX NOT TO EXCEED 50, WHEN TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ASTM E84 OR UL 723. PLASTIC PIPING INSTALLED IN ACCORDANCE WITH ASTM E84 OR UL 723 SHALL BE IDENTIFIED BY THE MANUFACTURER'S LABELING, MOUNTING METHODS, SUPPORTS AND SAMPLE SIZES OF MATERIALS FOR TESTING THAT ARE NOT SPECIFIED IN ASTM E84 OR UL 723 SHALL BE PROHIBITED. COMPLY WITH CMC-602.2.
29. COORDINATE ACCESS TO EQUIPMENT WITH WORK OF OTHER TRADES. PROVIDE DUCT ACCESS DOORS AND CEILING ACCESS DOORS TO ALLOW ACCESS FOR FILTER CHANGE/OUT, CONTROLS ACCESS AND AIRFLOW SERVICE/REMOVE COMPONENTS INCLUDING, BUT NOT LIMITED TO, FANS, PULLEYS, SNEAVES, BELTS, ETC.



Dewberry Architects Inc.

8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



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## KEY PLAN

SCALE

## REVISIONS

[illegible]

NO.	DESCRIPTION	DATE
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DRAWN BY A Rozo

APPROVED BY M. Shen

CHECKED BY \_\_\_\_\_ ON \_\_\_\_\_

CHECKED BY S Newman  
DATE 10/29/2025

**TITLE**

# GENERAL NOTES, LEGEND, ABBREV. AND SHEET INDEX

PROJECT NO.	50184767
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# M001

SHEET NO.

P2S No. J25-0014



PACKAGED ROOFTOP HEAT PUMPS

TAG	MANUFACTURER & MODEL	SERVICE	SUPPLY FAN					POWER EXHAUST FAN					COOLING COIL					HEATING COIL					ELECTRIC HEATER		ELECTRICAL					REFRIGERANT		FILTERS				OPERATING WEIGHT (LBS)	CURB WEIGHT (LBS)	POWER EXHAUST & ECONOMIZER (LBS)	BASE BID	BID ALT A	REMARKS										
			AIRFLOW CFM	OA CFM	ESP IN WG	RPM	BHP	VOLTAGE	PHASE	HP	FLA	MCA	MOCp	TOTAL MBH	SENSIBLE MBH	AMBIENT °F	ENTERING AIR °F DB	LEAVING AIR °F WB	EER	SENSIBLE MBH	AMBIENT °F	ENTERING AIR °F DB	LEAVING AIR °F WB	HSPF2	COP2	FLA	KW	VOLTS	PHASE	HERTZ	FLA	MCA	MOCp	TYPE	QUANTITY (LBS)							TYPE	NO	SIZE INCHES							
RTU-1	CARRIER 50FEQA0A2AS	DISPATCH CENTER, BREAK RM, SUPERVISOR OFFICE, SCAN, RECORDS	1065	245	1.0	2007	0.58	208	3	0.5	3.9	4.9	15	29.46	25.59	103.5	82.3	65.7	58.3	56.2	11.2	23.01	31.4	61.1	83.7	6.7	3.6	13.6	4.9	208	3	60	37	39	45	R-454B	8.2	MERV-13	2	16X25X4	490	365	200	YES	YES	2	3	4	5	6	7
RTU-2	CARRIER 50FEQA0A2AS	LOBBY	900	200	1.0	1903	0.5	208	3	0.5	3.9	4.9	15	27.34	20.31	103.5	79.1	64.8	56.4	54.1	11.2	21.84	31.4	65.7	91.1	6.7	3.6	9.2	3.3	208	3	60	32	34	40	R-454B	8.2	MERV-13	2	16X25X4	490	365	200	YES	YES	1	2	3	4	6	7
RTU-3	CARRIER 50FEQA0A2AS	COMMUNITY RM	3000	1200	1.0	1554	1.33	208	3	1	6.4	8	15	85.14	85.14	103.5	86.4	66.4	58.6	56.8	11.2	59.21	31.4	55.2	75.8	-	3.4	33.4	12.0	208	3	60	77	79	80	R-454B	8.2	MERV-13	4	20X20X2	829	469	259	YES	YES	1	2	3	4	6	
RTU-4	CARRIER 50FEQA0A2AS	SERGEANT OFFICE, DET. SERGEANTS CONF./MAJOR CASE, OBSERV., OFFICE, INT	1400	415	1.0	1998	0.85	208	3	0.5	3.9	4.9	15	44.14	39.4	103.5	83.9	66.1	55.8	55.2	11.2	30.71	31.4	59.0	81.9	6.7	3.5	13.6	4.9	208	3	60	42	44	50	R-454B	10.2	MERV-13	2	16X25X4	485	365	200	YES	YES	1	2	3	4	6	
RTU-5	CARRIER 50FEQA0A2AS	BRIEF, REPORT, GUN CLEANING, ARMORY, STORAGE, SECURE STORAGE, JAN., WELLNESS	1000	330	1.0	1966	0.55	208	3	0.5	3.9	4.9	15	29.34	26.10	103.5	84.3	66.2	58.3	56.2	11.2	23.15	31.4	58.4	82.6	6.7	3.6	9.2	3.3	208	3	60	32	34	40	R-454B	8.2	MERV-13	2	16X25X4	490	365	200	YES	YES	1	2	3	4	6	
RTU-6	CARRIER 50FEQA0A2AS	FITNESS, CIRCULATION, R/R/SWR	1530	250	1.0	2038	0.90	208	3	0.5	3.9	4.9	15	50.08	40.83	103.5	80.5	65.2	53.9	53.6	11.2	38.71	31.4	63.7	90.2	6.7	3.7	13.6	4.9	208	3	60	50	52	60	R-454B	11.2	MERV-13	4	16X16X4	605	365	200	YES	YES	1	2	3	4	6	
RTU-7	CARRIER 50FEQA0A2AS	BREAK RM, ADM. SERGEANT, LIEUTENANT, CAPTAIN, ASSIST. CHIEF, POLICE CHIEF OFFICE	1300	450	1.0	1949	0.79	208	3	0.5	3.9	4.9	15	44.04	39.54	103.5	85.5	66.5	55.4	54.8	11.2	30.78	31.4	56.6	81.3	6.7	3.5	13.6	4.9	208	3	60	42	44	50	R-454B	10.2	MERV-13	2	16X25X4	495	365	200	YES	YES	1	2	3	4	6	
RTU-8	CARRIER 50NR-B24-3	REPORT, JUV. OBSERV., BOOKING, HOLDING, HARD INT, STAFF TLT	715	100	0.1	800	0.1	208	1	0.5	3.1	3.88	15	18.61	16.39	103.5	79.9	65.1	58.7	56.6	13.2	14.41	31.4	64.5	85.2	7.2	4.0	18.1	3.8	208	1	60	-	40	40	R-454B	8.25	MERV-13	2	20X10X1	385	65	200	YES	NO	1	2	3	4	6	
RTU-9	CARRIER 50NR-B24-3	REPORT, JUV. OBSERV., BOOKING, HOLDING, HARD INT, STAFF TLT	715	215	0.1	800	0.1	208	1	0.5	3.1	3.88	15	19.06	19.06	103.5	83.9	66.1	59.2	57.6	13.2	14.59	31.4	59.0	85.0	7.2	4.0	18.1	3.8	208	1	60	-	40	40	R-454B	8.25	MERV-13	2	20X10X1	385	65	200	YES	NO	1	2	3	4	6	

1 VERTICAL DISCHARGE.

2 SPEED UNIT WITH VVT ZONE CONTROL AND BYPASS DAMPER AND DEMAND-CONTROLLED VENTILATION.

3 PROVIDE FACTORY INSTALLED SYSTEM VU BACKNET CONTROLLER WITH SPACE SENSOR CAPABLE OF TEMPORARY OVERRIDE AND ADJUSTABLE SETPOINT CAPABILITY.

4 PROVIDE WITH 100% OSA ECONOMIZER AND FULLY MODULATING POWER EXHAUST AND TITLE 24 COMPLIANT FDD CONTROLS. PROVIDE SEPARATE POWER FOR POWER EXHAUST. AND COORDINATE WITH DIV 26 CONTRACTOR FOR SPECIFIC REQUIREMENTS. PROVIDE SPACE PRESSURE SENSOR FOR POWER EXHAUST FAN MODULATING AND CONTROL. POWER EXHAUST SHALL TIE TO THE BMS VIA BACNET PROTOCOL.

5 HORIZONTAL DISCHARGE.

6 FULLY COORDINATE CURB REQUIREMENTS WITH BUILDING MANUFACTURER, STRUCTURAL ENGINEER, AND ARCHITECT PRIOR TO ORDERING. REFER TO M604.

7 ON EMERGENCY POWER. REFER TO ELECTRICAL PLANS.

VARIABLE VOLUME AND TEMPERATURE (VVT) TERMINAL UNITS

MARK	MANUFACTURER & MODEL	LOCATION	SERVICE	INLET SIZE (IN. Ø)	MAX CFM	MIN CFM	ΔP (IN. W.C.)	OPERATING WEIGHT (LBS)	REMARKS			
BD-1	CARRIER 35JN10	111 CIRC. CEILING	RTU-1 VVT ZONES	10	1065	200	0.13	19	1	2	3	4
VVT-1-1	CARRIER 35JN14	110 BREAK RM CEILING	DISPATCH CENTER, LIVE SCAN, RECORDS	14	1275	865	0.05	32	1	2	3	4
VVT-1-2	CARRIER 35JN08	110 BREAK RM CEILING	SUPERVISOR OFFICE	8	420	200	0.06	14	1	2	3	4
BD-4	CARRIER 35JN12	141 INT. RR CEILING	RTU-4 VVT ZONES	12	1400	150	0.13	24	1	2	3	
VVT-4-1	CARRIER 35JN10	111 CIRC. CEILING	OFFICES	10	650	150	0.06	19	1	2	3	
VVT-4-2	CARRIER 35JN10	141 INT. RR CEILING	INT ROOMS	10	650	150	0.06	19	1	2	3	
VVT-4-3	CARRIER 35JN10	136 CONF./MAJOR CASE CEILING	CONF./MAJOR CASE	10	650	250	0.06	19	1	2	3	
VVT-4-4	CARRIER 35JN10	136 CONF./MAJOR CASE CEILING	OBSERV	10	650	450	0.06	19	1	2	3	
VVT-4-5	CARRIER 35JN10	134 SERGEANT OFFICE CEILING	SERGEANT OFFICE, DET. SERGEANTS	10	650	400	0.06	19	1	2	3	
BD-5	CARRIER 35JN10	125 GUN CLEANING CEILING	RTU-5 VVT ZONES	10	1000	280	0.13	19	1	2	3	
VVT-5-1	CARRIER 35JN14	133 STORAGE CEILING	GUN CLEANING, ARMORY, STORAGE, WELLNESS	14	1275	720	0.05	32	1	2	3	
VVT-5-2	CARRIER 35JN10	125 GUN CLEANING CEILING	BRIEFING	10	650	280	0.06	19	1	2	3	
BD-6	CARRIER 35JN12	111 CIRC. CEILING	RTU-6 VVT ZONES	12	1530	400	0.14	24	1	2	3	
VVT-6-1	CARRIER 35JN14	116 FITNESS CEILING	FITNESS	14	1275	720	0.05	32	1	2	3	
VVT-6-2	CARRIER 35JN12	116 FITNESS CEILING	PROPERTY, EVID PROCESS, BAG & TAG	12	950	400	0.06	24	1	2	3	
VVT-6-3	CARRIER 35JN14	111 CIRC. CEILING	MENS & WOMENS LOCKER/RR	14	1275	810	0.05	32	1	2	3	
BD-7	CARRIER 35JN12	111 CIRC. CEILING	RTU-7 VVT ZONES	12	1300	250	0.13	24	1	2	3	
VVT-7-1	CARRIER 35JN10	111 CIRC. CEILING	POLICE CHIEF OFFICE	10	650	250	0.06	19	1	2	3	
VVT-7-2	CARRIER 35JN16	111 CIRC. CEILING	ASSIST. CHIEF, CAPTAIN, LIEUTENANT, ADM. SERGEANT, BREAK RM	16	1600	1050	0.03	36	1	2	3	
BD-9	CARRIER 35JN08	152 JUV. OBSERV. CEILING	RTU-9 VVT ZONES	8	715	350	0.15	14	1	2	3	
VVT-9-1	CARRIER 35JN10	160 CIRC. CEILING	REPORT, BOOKING	10	650	350	0.06	19	1	2	3	
VVT-9-2	CARRIER 35JN10	160 CIRC. CEILING	HARD INT.	10	650	350	0.06	19	1	2	3	

1 PROVIDE OPEN CONTROLLER TO COMMUNICATE WITH I-VU VVT ZONING SYSTEM, SEE M501 FOR VVT SYSTEMS DIAGRAM.

2 MOTORIZED BYPASS DAMPER SHALL BE PURE PROPORTIONAL MODULATING TYPE.

3 PROVIDE WITH 115/24V TRANSFORMER. REFER TO M501.

4 ON EMERGENCY POWER. REFER TO ELECTRICAL PLANS.

GRILLES, REGISTERS, DIFFUSERS

MARK	MANUFACTURER & MODEL	DESCRIPTION	MATERIAL	BORDER	DAMPER	FINISH	REMARKS					
CD-1	TITUS OMNI	SQUARE PLAQUE	STEEL	LAY-IN	NO	FLAT WHITE	1	3				
CD-2	TITUS R-OMNI	ROUND PLAQUE	STEEL	DUCT MOUNT	NO	FLAT WHITE	2	3				
CD-3	TITUS SG-PR	PERFORATED	STEEL	SURFACE MOUNT	NO	FLAT WHITE	2	3				
CD-4	TITUS 272RL	DOUBLE DEFLECTION	STEEL	WALL MOUNT	NO	FLAT WHITE	2	3	5			
CD-5	TITUS OMNI	SQUARE PLAQUE	STEEL	SURFACE MOUNT	NO	FLAT WHITE	1	3				
EG-1	TITUS PAR	PERFORATED	STEEL	SURFACE MOUNT	NO	FLAT WHITE	2	3				
EG-2	PRICE MSRRG	SECURITY RISK RESISTANT	STEEL	SURFACE MOUNT	NO	FLAT WHITE	2	3	4			
EG-3	TITUS 350R	SINGLE DEFLECTION	STEEL	WALL MOUNT	NO	FLAT WHITE	2	3				
RG-1	TITUS PAR	PERFORATED	STEEL	LAY-IN	NO	FLAT WHITE	1	2	3			
RG-2	TITUS 350RL	SINGLE DEFLECTION	STEEL	WALL MOUNT	NO	FLAT WHITE	2	3				
RG-3	TITUS SG-PR	PERFORATED	STEEL	SURFACE MOUNT	NO	FLAT WHITE	2	3				
RG-4	TITUS 56FL	SINGLE DEFLECTION	STEEL	SURFACE MOUNT	NO	FLAT WHITE	2	3				

1 24X24 FACE.

2 SEE PLANS FOR FACE SIZE.

3 ALL GRILLES, REGISTERS, DIFFUSERS SHALL BE SELECTED FOR NC-25.

4 PROVIDE WITH OPPOSED BLADE DAMPER TO BE ACCESSIBLE FROM OUTSIDE THE HOLDING CELL.

5 SEE PLANS FOR BLADE DEFLECTION ANGLE.

SPLIT SYSTEM HEAT PUMPS

FAN COIL UNIT							CONDENSING UNIT										REFRIGERANT		COOLING				BASE BID	BID ALT A	REMARKS	
TAG	MODEL & MANUFACTURER	LOCATION	TYPE	SERVICE	SA FAN		OPERATING WEIGHT (LBS)	MARK	MANUFACTURER & MODEL	LOCATION	TYPE	SERVICE	NAMEPLATE		OPERATING WEIGHT LBS	TYPE	AMB °F	SENS MBH	TOT MBH	SEER2						
					AIRFLOW (CFM)	V/PH							FLA MCA MOCp	V/PH												
FC-1	CARRIER RAV-HB121KRTP-UL	127 IDF	WALL-MOUNTED	126 IDF	477	208/1	40	CU-1	CARRIER RAV-BP121AT2P-UL	ROOF	AIR COOLED	FC-2	13/15/25	208/1	100	R454B	103.5	12	12	25.2	YES	YES	1	2	3	4
FC-2	CARRIER RAV-HB121KRTP-UL	162 ELEC.	WALL-MOUNTED	162 ELEC.	477	208/1	40	CU-2	CARRIER RAV-BP121AT2P-UL	ROOF	AIR COOLED	FC-3	13/15/25	208/1	100	R454B	103.5	12	12	25.2	YES	YES	1	2	3	

1 FAN COIL UNIT POWER AND CONTROL WIRING FED FROM CONDENSING UNIT ON ROOF.

2 PROVIDE FACTORY THERMOSTAT AND 24V CONTROLS KIT. ROOM SHALL BE PROVIDED WITH SEPARATE TEMPERATURE SENSOR TO PROVIDE ROOM TEMPERATURE AND ALARM TO BMS.

3 PROVIDE EXTERNAL CONDENSATE PUMP WITH OVERFLOW SWITCH TO SHUT OFF COIL AND SEND ALARM VIA BMS. DIV 26 TO PROVIDE SEPARATE 120V POWER AND DISCONNECT.

4 ON EMERGENCY POWER. REFER TO ELECTRICAL PLANS.

5 REFER TO DETAIL 1 AND 3/M603 FOR ANCHORAGE.

VRF SYSTEM

MARK	MANUFACTURER & MODEL	SERVICE	TOTAL CAPACITY (TONS)	OUTDOOR COOLING TEMP (°F)	IEER	ELECTRICAL			OPERATING WEIGHT (LBS)	REFRIGERANT	TOTAL REFRIGERANT CHARGE (LBS)	SPACE VOLUME (CF)	MAX ALLOWABLE QUANTITY (LBS/1000 CF)	ACTUAL QUANTITY (LBS/1000 CF)	MEET CMC?	REMARKS			
						VOLT-PH-HZ	A: MCA	A: MOCp											
VCU-1	TOSHIBA/CARRIER MMY-MJUP0721HT9P-UL	SERVER 107	6 TONS	103.5	14.6	208	36.4	40	600	R-410A	25.17	1551	4.6	16.23	N	1	2	3	

1 IF UNIT IS ORDERED WITH R-454B SERVER ROOM 107 WILL REQUIRE A LOUVERED DOOR PER ASHRAE 15. REFER TO SHEET M201.

2 ON EMERGENCY POWER. REFER TO ELECTRICAL PLANS.

3 REFER TO DETAIL 1/M603 FOR ANCHORAGE.

VRF - FAN COILS

MARK	MANUFACTURER & MODEL
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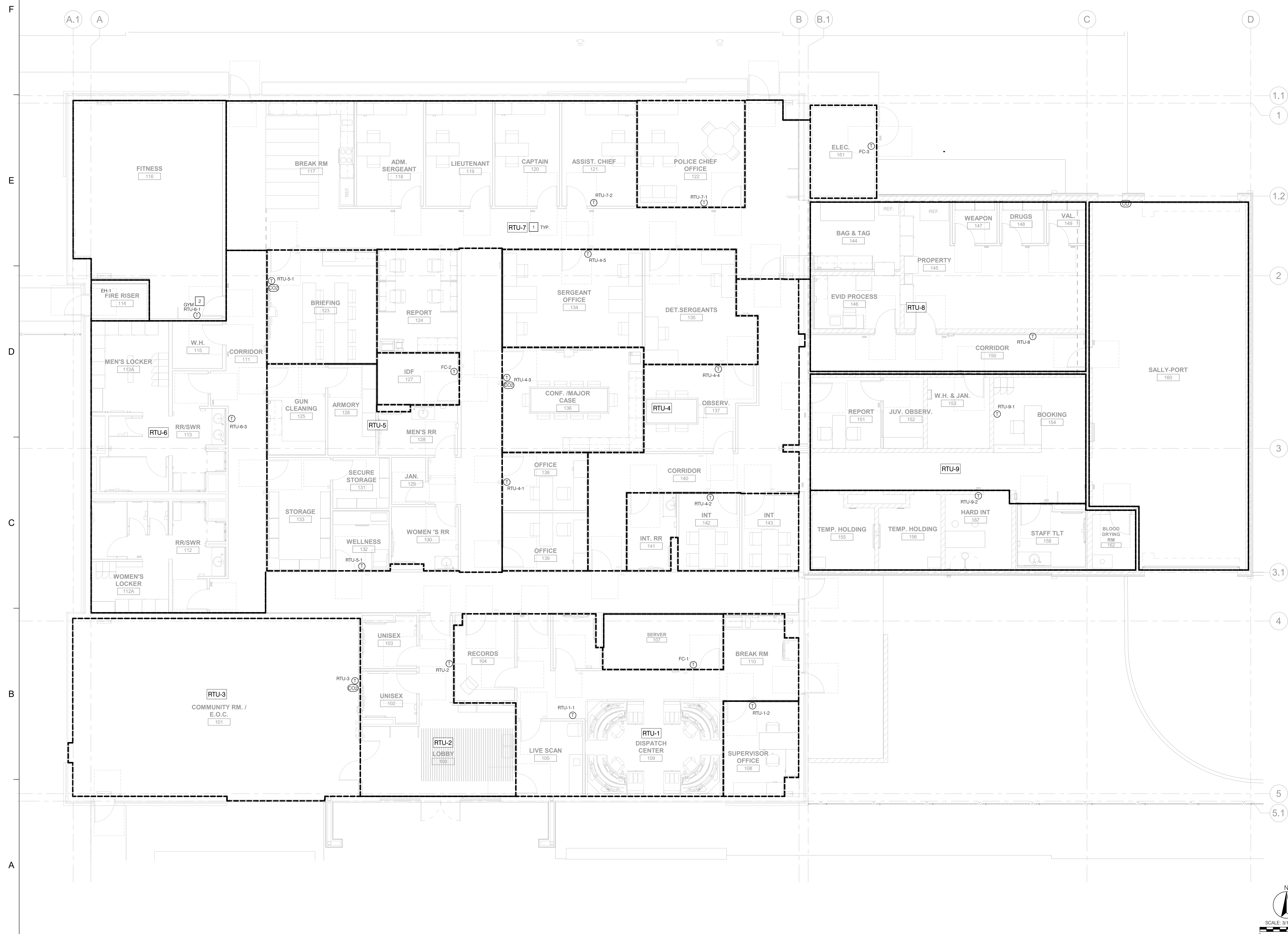


## NOTES

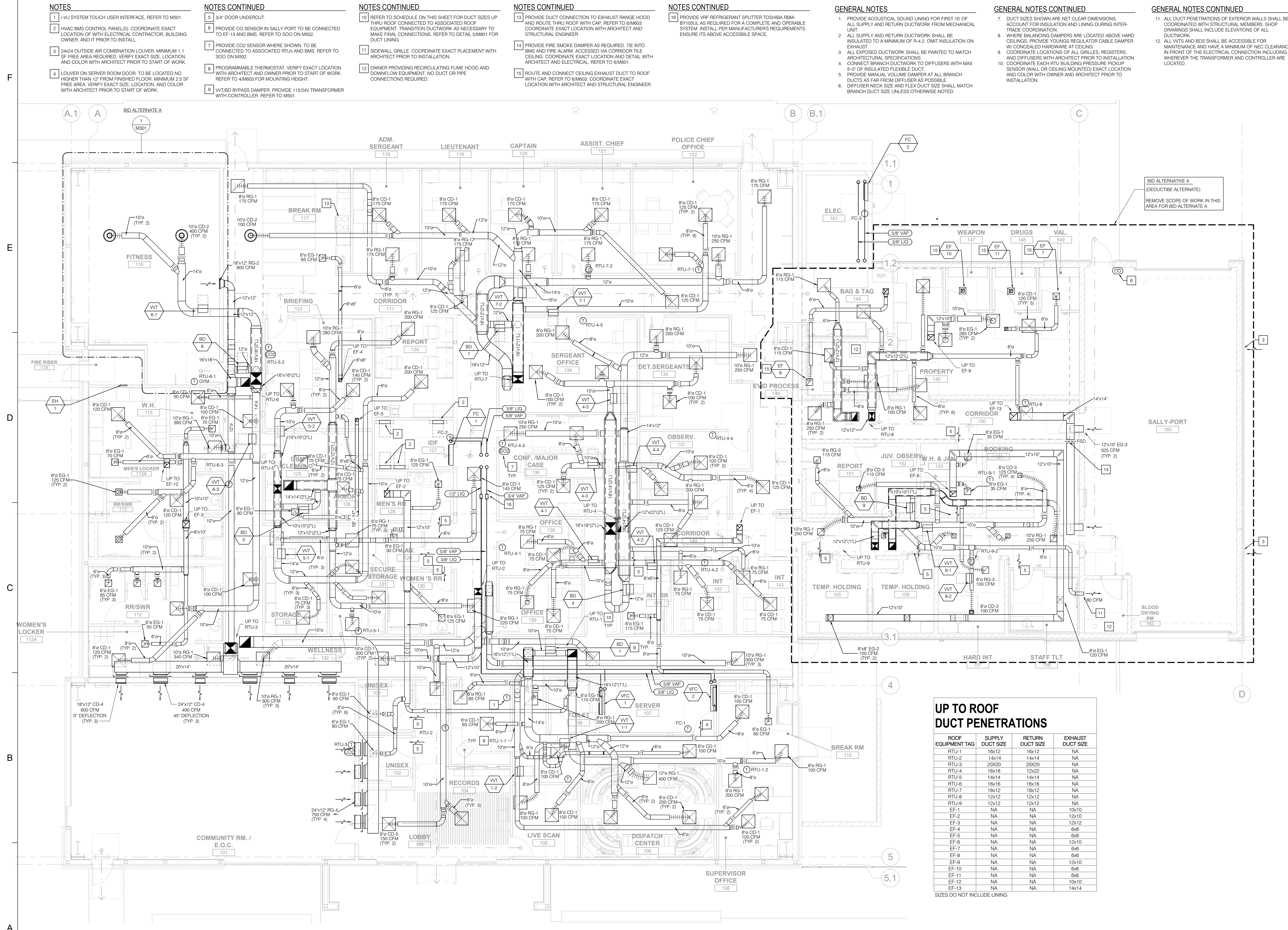
- 1 PACKAGED ROOF TOP UNIT SERVING INDIVIDUAL WT ZONES.
- 2 REFER TO SHEET M301 FOR BID ALT RTU-6-2 ZONE.

## GENERAL NOTES

1. THERMOSTAT MOUNTING PER 6/M603.
2. CO2 SENSORS SHALL BE MOUNTED MAX 48" AFF UNLESS OTHERWISE NOTED, OR PER 6/M603 IF UTILIZING COMBINATION TEMPERATURE AND CO2 SENSORS.



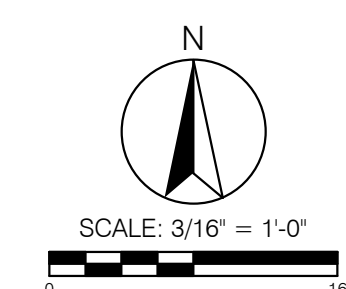
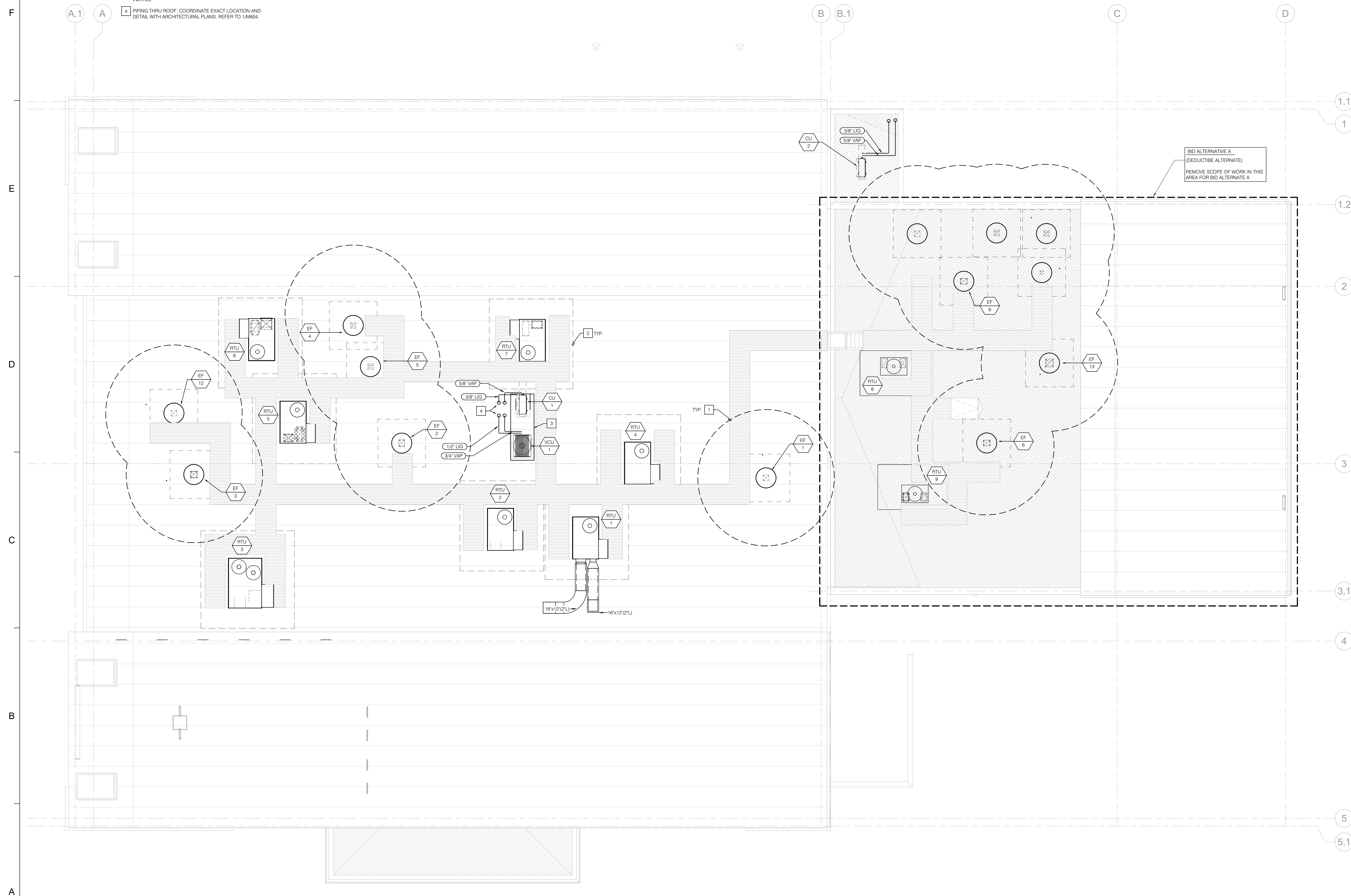






1. PROVIDE ACOUSTICAL DUCT LINING FOR FIRST 10'-0" OF ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK FROM MECHANICAL UNITS AND FANS.
2. ALL RTUS AND EFS SHALL INCLUDE A ROOF CURB THAT COMPLIES WITH BUILDING MANUFACTURER GUIDELINES AND BE FULLY COORDINATED WITH STRUCTURAL ENGINEER AND ARCHITECT PRIOR TO ORDERING FOR A COMPLETE SYSTEM.

- 1 MAINTAIN MINIMUM 10'-0" CLEAR FROM EXHAUST DISCHARGE TO ANY FRESH AIR INLET.
- 2 EQUIPMENT SERVICE AND AIRFLOW CLEARANCES, TYPICAL FOR ALL ROOFTOP UNITS SHOWN.
- 3 CONDENSING UNIT MOUNTED ON HOUSEKEEPING PAD. COORDINATE EXACT LOCATION AND DIMENSIONS WITH ARCHITECT AND STRUCTURAL ENGINEER, PRIOR TO INSTALL.
- 4 PIPING THRU ROOF. COORDINATE EXACT LOCATION AND DETAIL WITH ARCHITECTURAL PLANS. REFER TO 1/M604.





CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
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## KEY PLAN

SCALE

[illegible]

DRAWN BY	A Rezo
APPROVED BY	M Shen
CHECKED BY	S Newman
DATE	10/29/2025

**TITLE**

ENLARGED PLANS

PROJECT NO.	50184767
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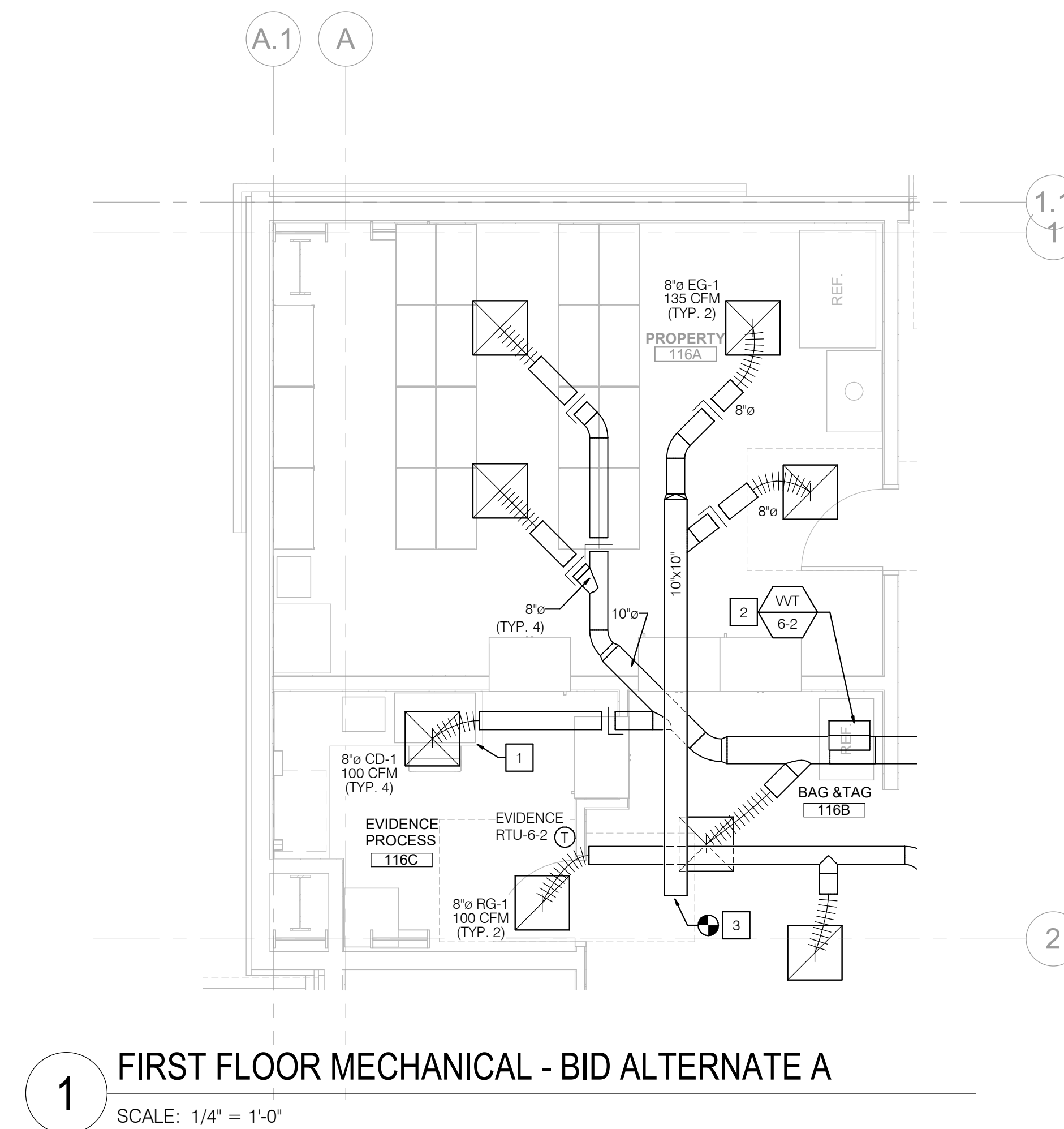
M301

SHEET NO. \_\_\_\_\_

P2S No. J25-0014

1. PROVIDE ACOUSTICAL SOUND LINING FOR FIRST 10' OF ALL SUPPLY AND RETURN DUCTWORK FROM MECHANICAL UNIT.
2. ALL SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED TO A MINIMUM OF R-4.2. OMIT INSULATION ON EXHAUST.
3. ALL EXPOSED DUCTWORK SHALL BE PAINTED TO MATCH ARCHITECTURAL SPECIFICATIONS.
4. CONNECT BRANCH DUCTWORK TO DIFFUSERS WITH MAX. 6' OF INSULATED FLEXIBLE DUCT.
5. PROVIDE MANUAL, VOICE-OPERATED DAMPERS AT ALL BRANCH DUCTS AS FAR FROM DIFFUSER AS POSSIBLE.
6. DIFFUSER NECK SIZE AND FLEX DUCT SIZE SHALL MATCH BRANCH DUCT SIZE UNLESS OTHERWISE NOTED.
7. DUCTS ARE SHOWN WITH INSULATION TO PROVIDE A BASIS FOR ACCOUNT FOR INSULATION AND LINING DURING INTER-DRAWER COORDINATION.
8. WHERE BALANCING DAMPERS ARE LOCATED ABOVE HARD CEILING, PROVIDE 1" MIN. V-GROOVE REGULAR GAUGE DAMPER W/ CONCEALED HARDWARE AT CEILING.
9. COORDINATE LOCATIONS OF ALL GRILLES, REGISTERS, AND DIFFUSERS WITH ARCHITECT PRIOR TO INSTALLATION.
10. ALL ELECTRICAL BOXES SHALL BE ACCESSIBLE FOR MAINTENANCE AND HAVE A MINIMUM OF 6" CLEARANCE IN FRONT OF THE ELECTRICAL CONNECTION INCLUDING WHATEVER THE TRANSFORMER AND CONTROLLER ARE LOCATED.

- 1 OWNER PROVIDED FUMING AND DOWNFLOW EQUIPMENT. NO DUCT OR PIPE CONNECTIONS REQUIRED.
- 2 WT/BD BYPASS DAMPER. PROVIDE 115/24V TRANSFORMER WITH CONTROLLER. REFER TO M501.
- 3 BID ALT OPTION. CONNECTION TO EF-12 SHOWN ON SHEET M201.





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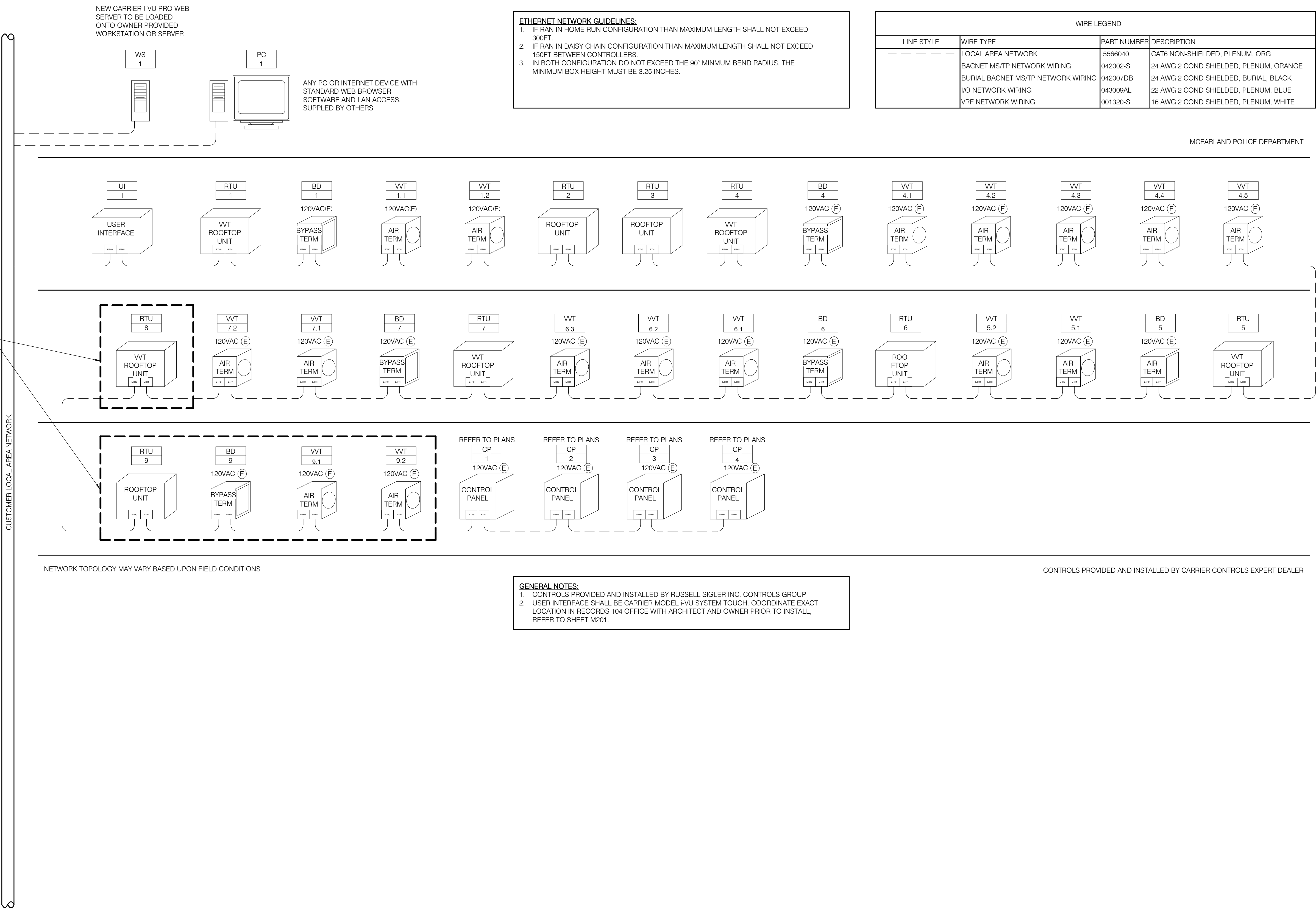
D

E

F

1 BAS RISER DIAGRAM

SCALE: NONE



Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



Long Beach // Irvine // Los Angeles  
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CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY A Razo  
APPROVED BY M Shen  
CHECKED BY S Newman  
DATE 10/29/2025  
TITLE

CONTROL  
DIAGRAMS

PROJECT NO. 50184767

M501

SHEET NO.  
P2S No. J25-0014



SEQUENCES OF OPERATION

HEAT PUMP, RTU, W/ ECONOMIZER (RTU-1 THRU RTU-9)

**INDOOR FAN - TWO SPEED**  
DURING OCCUPIED PERIODS, THE FAN SHALL OPERATE CONTINUOUSLY. DURING UNOCCUPIED PERIODS, THE FAN SHALL OPERATE WHEN THE SPACE TEMPERATURE EXCEEDS THE UNOCCUPIED HEATING OR COOLING SETPOINT. THE FAN OPERATES AT 1 OF 2 SPEEDS DEPENDING ON THE MODE OF OPERATION AND LOAD CONDITIONS. DURING VENT ONLY MODE AND LOW LOAD CONDITIONS, THE FAN OPERATES AT LOW SPEED. IF LOAD CONDITIONS INCREASE OR IF THERE IS A CALL FOR HEATING, THE FAN OPERATES AT HIGH SPEED.

**HEATING MODE**  
WHEN SPACE TEMPERATURE IS BELOW THE OCCUPIED HEATING SETPOINT, UNIT SHALL OPERATE IN THE HEATING MODE. UNIT SHALL ENABLE AVAILABLE HEAT STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**COOLING MODE**  
WHEN SPACE TEMPERATURE IS ABOVE OCCUPIED COOLING SETPOINT, UNIT SHALL OPERATE IN THE COOLING MODE. UNIT SHALL ENABLE AVAILABLE COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**ECONOMIZER**  
ECONOMIZER SHALL CLOSE WHEN FAN IS OFF OR DURING A LOSS OF POWER. DURING OCCUPIED HOURS, WHEN FAN IS ENERGIZED, THE ECONOMIZER SHALL OPEN TO ADJUSTABLE MINIMUM POSITION. WHEN OUTSIDE AIR TEMPERATURE IS BELOW 71°F AND OCCUPIED SPACE REQUIRES COOLING, ECONOMIZER SHALL OPEN. IF ECONOMIZER AIR IS NOT SUFFICIENT TO MEET THE DEMAND IN THE OCCUPIED SPACE, UNIT SHALL ENABLE AVAILABLE COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

**CO2 CONTROL (RTU-3, RTU-4, & RTU-5)**  
UNIT SHALL MONITOR SPACE CO2 WHEN THE SUPPLY FAN IS ENERGIZED. WHEN CO2 IS ABOVE SETPOINT OF 1000 PPM, ECONOMIZER SHALL MODULATE OPEN TOWARD AN ADJUSTABLE MAXIMUM CO2 POSITION. AS THE CO2 LEVEL IN THE SPACE INCREASES ABOVE THE SETPOINT, THE MINIMUM POSITIONS OF THE DAMPERS WILL BE INCREASED PROPORTIONALLY UNTIL THE MAXIMUM VENTILATION SETTING IS REACHED. AS THE SPACE CO2 LEVEL DECREASES BECAUSE OF THE INCREASE IN FRESH AIR, THE OUTDOOR-DAMPER WILL FOLLOW THE HIGHER DEMAND CONDITION FROM THE DCV MODE OR FROM THE FREE-COOLING MODE.

**BUILDING PRESSURE CONTROL**  
THE RTU SHALL INITIATE THE POWERED EXHAUST FAN IN ONE OF TWO CONFIGURABLE MODES. THE POWERED EXHAUST FAN SHALL RUN CONTINUOUSLY WHEN THE INDOOR FAN IS RUNNING OR SHALL BE ACTIVATED IF THE INDOOR FAN IS RUNNING, AND THE ECONOMIZER POSITION IS ABOVE THE POWERED EXHAUST SETPOINT OF 25% (ADJUSTABLE).

VVT BYPASS TERMINAL UNITS (BP-1, BP-4, BP-5, BP-6, BP-7, BP-8, & BP-9)

**VVT BYPASS DAMPER**  
WHILE THE INDOOR FAN RUNS, THE BYPASS SHALL MODULATE TO MAINTAIN DUCT PRESSURE AT A CONFIGURABLE SETPOINT. IF THE STATIC PRESSURE IS BELOW THE STATIC PRESSURE SETPOINT, THE BYPASS DAMPER WILL MODULATE CLOSE TO BUILD DUCT STATIC PRESSURE IS AT SETPOINT. IF THE STATIC PRESSURE IS ABOVE THE STATIC PRESSURE SETPOINT, THE BYPASS DAMPER WILL MODULATE OPEN TO RELIEVE.

VVT ZONE TERMINAL UNITS (REFER TO BMS RISER)

**VVT ZONE DAMPER**  
PROVIDES PRESSURE-INDEPENDENT ZONE TEMPERATURE CONTROL BY MODULATING ITS BUILT-IN DAMPER ACTUATOR TO CONTROL THE FLOW OF PRIMARY AIR INTO THE ZONE. THE DAMPER MODULATES THE AIRFLOW SETPOINT BETWEEN THE MODE'S CONFIGURABLE MINIMUM AND MAXIMUM AIRFLOW BASED ON THE OCCUPANCY STATUS OF THE ZONE. THIS MINIMUM INSURES SUFFICIENT MINIMUM AIRFLOW AT THE AIR SOURCE AND SUFFICIENT VENTILATION TO THE ZONE DURING OCCUPIED PERIODS.

**LINKAGE**  
THE CONTROL SYSTEM USES LINKAGE TO EXCHANGE DATA BETWEEN THE ZONE TERMINALS AND THEIR AIR SOURCE TO FORM A COORDINATED HVAC SYSTEM. THE SYSTEM'S AIR SOURCE CONTROLLER, ZONE CONTROLLERS, AND BYPASS CONTROLLER ARE LINKED SO THAT THEIR DATA EXCHANGE CAN BE MANAGED BY ONE ZONE CONTROLLER CONFIGURED AS THE VAV MASTER. THE VAV MASTER GATHERS THE FOLLOWING INFORMATION FROM THE SLAVE ZONE CONTROLLERS: OCCUPANCY STATUS, SETPOINTS, ZONE TEMPERATURE, RELATIVE HUMIDITY, CO2 LEVEL, DAMPER POSITION, AND OPTIMAL START DATA (ALL IF APPLICABLE).

SPACE TEMPERATURE MONITORING (SERVER, IDF, & ELEC SPACES)

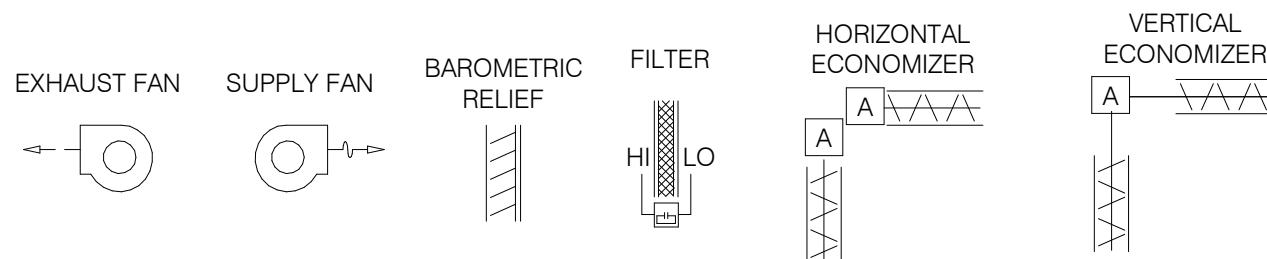
**SPACE TEMPERATURE MONITORING**  
THE ZONE CONDITIONS INSIDE THESE SPACES WILL BE MONITORED ONLY BY THE EMS SPACE TEMPERATURE SENSOR. A HIGH TEMPERATURE LIMIT ALARM SHALL BE GENERATED BY THE I-VU WEB SERVER.

EXHAUST FAN (EF-1 THRU EF-13)

**EXHAUST FANS**  
EF-1 THRU EF-12 SHALL RUN BASED ON AN OCCUPIED TIME SCHEDULE (CONFIGURABLE). EXHAUST FAN STATUS WILL BE MONITORED THROUGH A CURRENT SENSING SWITCH. IF THE CURRENT SWITCH DOES NOT DETECT FAN STATUS AFTER A START COMMAND HAS BEEN SENT TO THE ASSOCIATED EXHAUST FAN, AN ALARM WILL BE GENERATED TO THE I-VU WEB SERVER.

**SALLY PORT EF-13 CO CONTROL**  
EF-13 SHALL MONITOR SPACE CO AT ALL TIMES. WHEN CO IS ABOVE SETPOINT OF 25 PPM, EF-13 SHALL MODULATE OPEN UNTIL THE PPM LEVEL REACHES BACK BELOW 15 PPM.

SYMBOL LEGEND



GENERAL INFORMATION

COMMUNICATION BUS SPECIFICATION

- A 24 AWG 2-conductor-shielded-stranded cable (plenum rated as required) must be daisy chained from controller to controller. It should be color coded (red, black, white).
- The communication cable operates at up to 5 VDC. Verify with the local code authority and specs regarding conduit requirements.
- No "T" tap or "star" type connections are permitted.
- Terminate the shields on the designated terminal at each device.
- 30 controller's maximum per communication bus segment. 60 controller's maximum per network router.
- A repeater is required every 2000 ft. or 30 devices. Maximum of 4 repeaters per bus for a total of 10,000 ft.

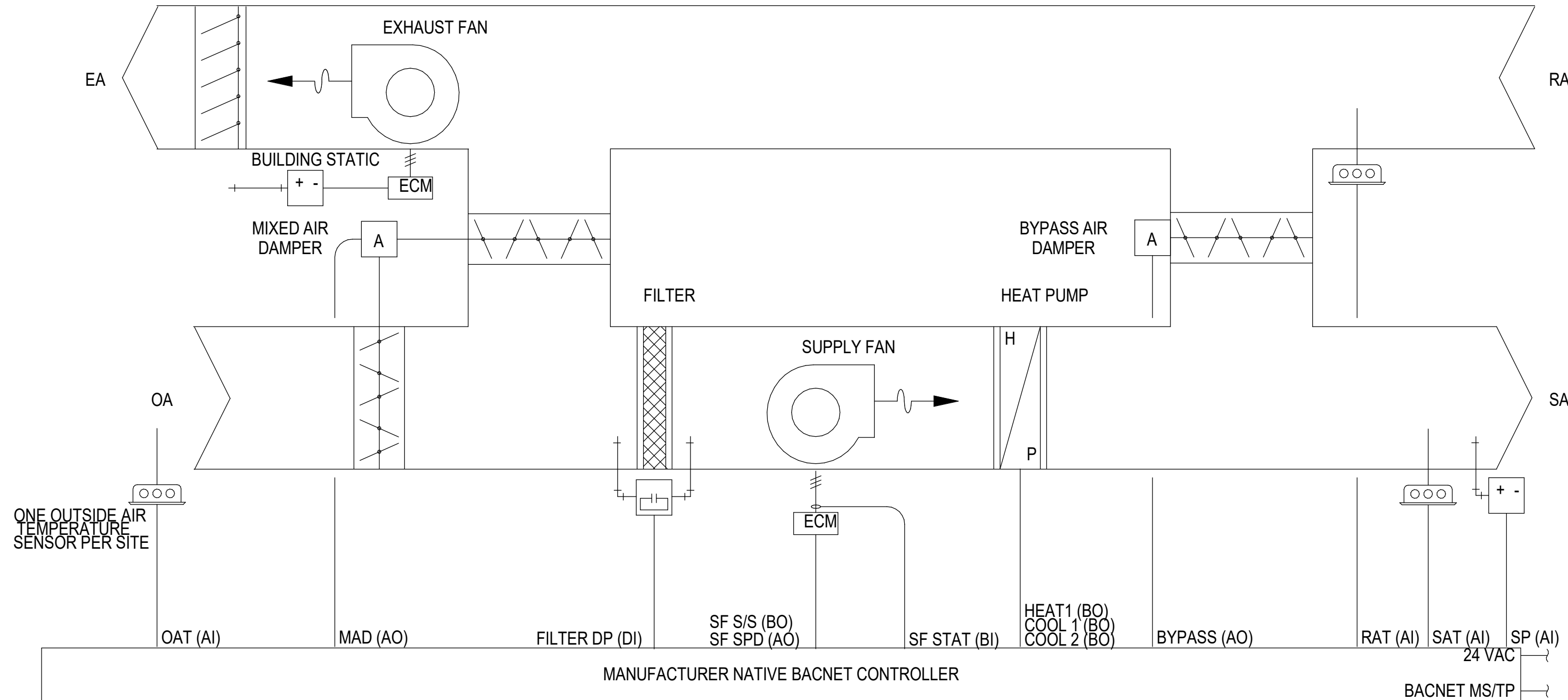
GENERAL NOTES

- The 2 conductor communication cable and sensor cables must always be in a separate jacket from one another. Never run these cables in the same conduit as, or bundle them with, AC power wiring of any voltage. Do not strap these cables along any conduits that contain AC power wiring of any voltage. Do not run these cables in rings or conduit with fire, life, safety, security, network, telephone, power, or other wiring. When running communication and sensor wiring parallel to other cabling or conduit maintain a 12 in. distance.
- Ethernet and/or Internet connection to I-Vu are supplied and maintained by building owner/operator.

INSTALLATION COORDINATION NOTES

- Installer shall coordinate all power and data connection requirements with the GC onsite.
- Install all components in accordance with the specification, applicable codes and manufacturer's literature

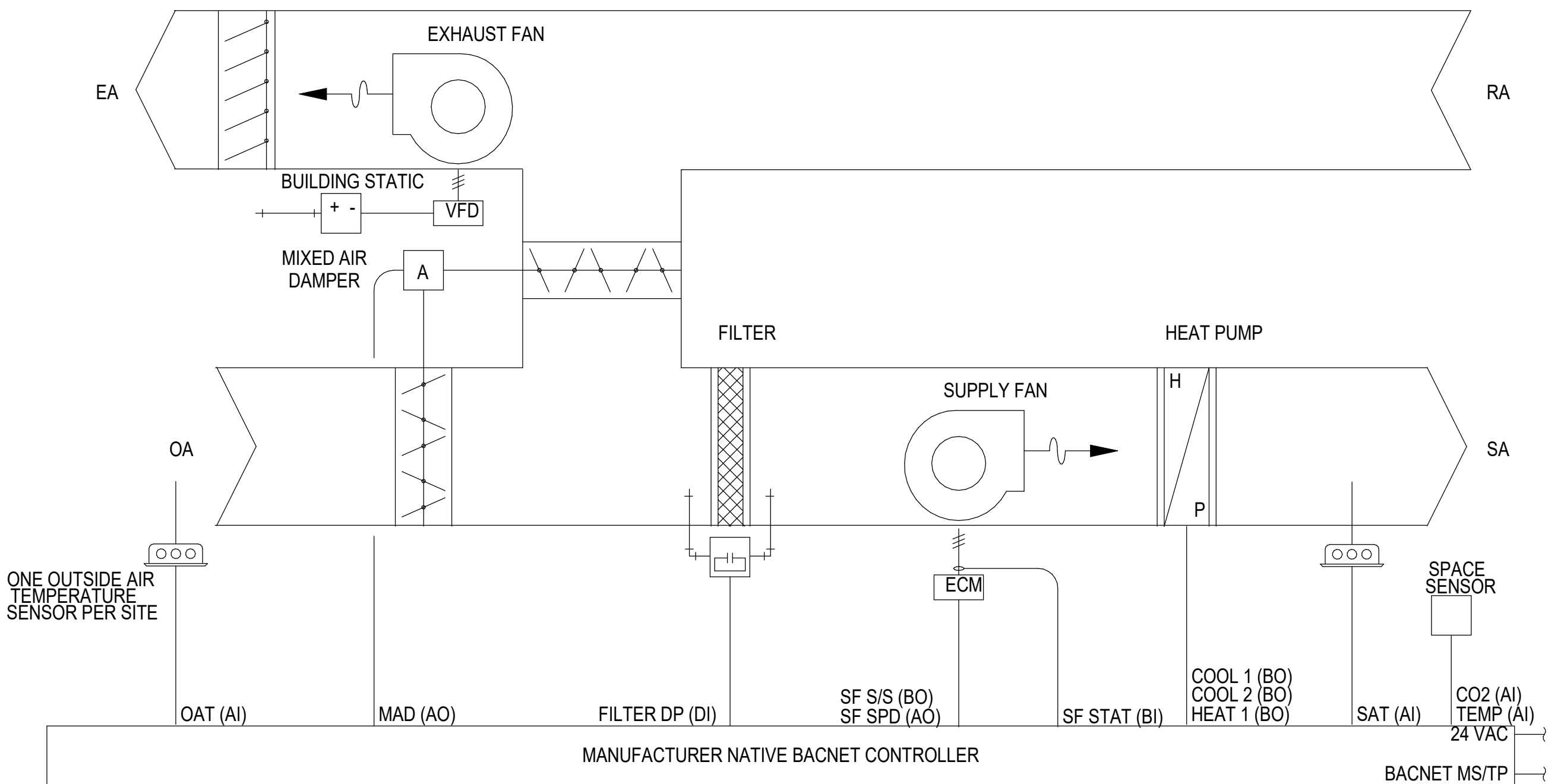
POINT	DESCRIPTION	TYPE	UNITS
TS	OUTSIDE AIR DRY BULB TEMPERATURE	AI	°F
TS	SUPPLY AIR TEMPERATURE	AI	°F
DA	MIXED AIR DAMPER ACTUATOR	AO	VDC
DA	BYPASS DAMPER ACTUATOR	AO	VDC
DP	FILTER DIFFERENTIAL PRESSURE	DI	IWC
S	SUPPLY FAN STATUS	DI	-
SS	SUPPLY FAN START/STOP	DO	-
SS	SUPPLY FAN SPEED CONTROL	A	-
SS	COMPRESSOR STAGES	DO	-
SS	HEAT PUMP STAGES	DO	-
COMM	SPEED FEEDBACK, ALARM, KW, KWH, TORQUE, RPM, AMPS, TEMPERATURE, COOLING STATUS, HEATING STATUS.	-	-



PACKAGED ROOFTOP UNIT WITH VVT

NO SCALE

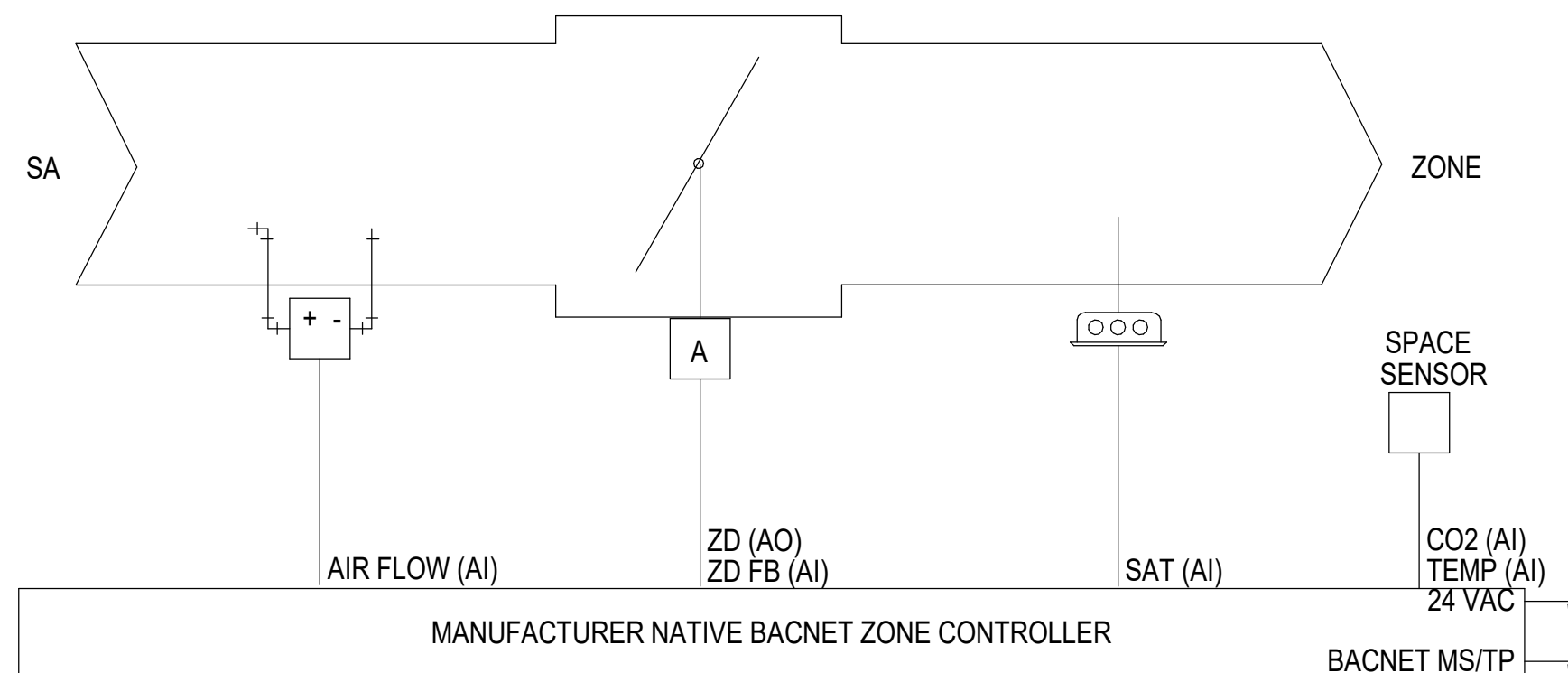
POINT	DESCRIPTION	TYPE	UNITS
TS	OUTSIDE AIR DRY BULB TEMPERATURE	AI	°F
TS	SPACE TEMPERATURE SENSOR	AI	°F
TS	SUPPLY AIR TEMPERATURE	AI	°F
DA	MIXED AIR DAMPER ACTUATOR	AO	VDC
DP	FILTER DIFFERENTIAL PRESSURE	DI	IWC
S	SUPPLY FAN STATUS	DI	-
SS	SUPPLY FAN START/STOP	DO	-
SS	SUPPLY FAN SPEED CONTROL	A	-
CO2	SPACE CO2 SENSOR	AI	PPM
SS	COMPRESSOR STAGES	DO	-
SS	HEAT PUMP STAGES	DO	-
COMM	SPEED FEEDBACK, ALARM, KW, KWH, TORQUE, RPM, AMPS, TEMPERATURE, COOLING STATUS, HEATING STATUS.	-	-



PACKAGED ROOFTOP UNIT

NO SCALE

POINT	DESCRIPTION	TYPE	UNITS
TS	SPACE TEMPERATURE SENSOR	AI	°F
TS	SUPPLY AIR TEMPERATURE	AI	°F
FS	ZONE AIRFLOW	AI	CFM
DA	ZONE DAMPER ACTUATOR	AO	VDC
DA	ZONE DAMPER ACTUATOR POSITION	AI	VDC
CO2	SPACE CO2 SENSOR	AI	PPM
COMM	SPEED FEEDBACK, ALARM, KW, KWH, TORQUE, RPM, AMPS, TEMPERATURE, COOLING STATUS, HEATING STATUS.	-	-



VVT TERMINAL

NO SCALE



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8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

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CITY OF MCFARLAND POLICE DEPARTMENT

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McFarland, CA 93250

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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY A Razo

APPROVED BY M Shen

CHECKED BY S Newman

DATE 10/29/2025

TITLE

CONTROL  
DIAGRAMS

PROJECT NO. 50184767

M502

SHEET NO.  
P2S No. J25-0014



10/29/2025 1:11:32 PM

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B

C

D

E

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1

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5

6

### DUCTLESS SPLIT SYSTEM SEQUENCE OF OPERATION

NO SCALE

#### INDOOR FAN

THE SUPPLY FAN SHALL BE CONFIGURED AUTO FOR 24/7.

#### COOLING MODE

WHEN SPACE TEMPERATURE IS ABOVE OCCUPIED COOLING SETPOINT 74 °F WITH PLUS/MINUS 2 °F, UNIT SHALL OPERATE IN THE COOLING MODE. UNIT SHALL ENABLE AVAILABLE COOLING STAGES TO SATISFY DEMAND 24/7. (COOLING SETPOINT SHALL BE ADJUSTABLE.)

#### OCCUPIED HOURS (ADJUSTABLE)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
0700 - 1800	0700 - 1800	0700 - 1800	0700 - 1800	0700 - 1800	0700 - 1800	0700 - 1800

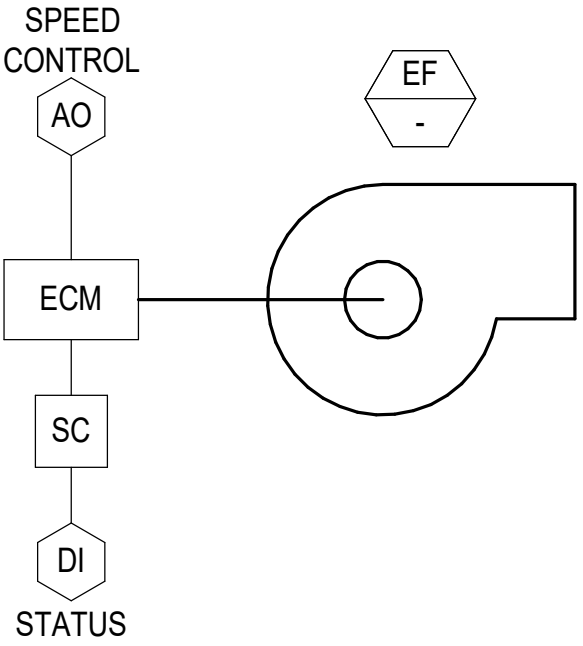
#### COOLING MODE

WHEN SPACE TEMPERATURE IS ABOVE OCCUPIED COOLING SETPOINT, UNIT SHALL OPERATE IN THE COOLING MODE. UNIT SHALL ENABLE AVAILABLE COOLING STAGES TO SATISFY DEMAND IN THE OCCUPIED SPACE.

#### LOCAL OCCUPANT CONTROL

THE ZONE THERMOSTAT SHALL HAVE THE ABILITY FOR LOCAL SETPOINT ADJUSTMENT AND OVERRIDE CONTROL FOR OPERATION OUTSIDE OF SCHEDULED HOURS. THESE FEATURES SHALL BE PROGRAMMED INTO THE UNIT, HOWEVER LOCAL USE SHALL BE LOCKED AND RESERVED FOR FUTURE USE BY THE POLICE STATION.

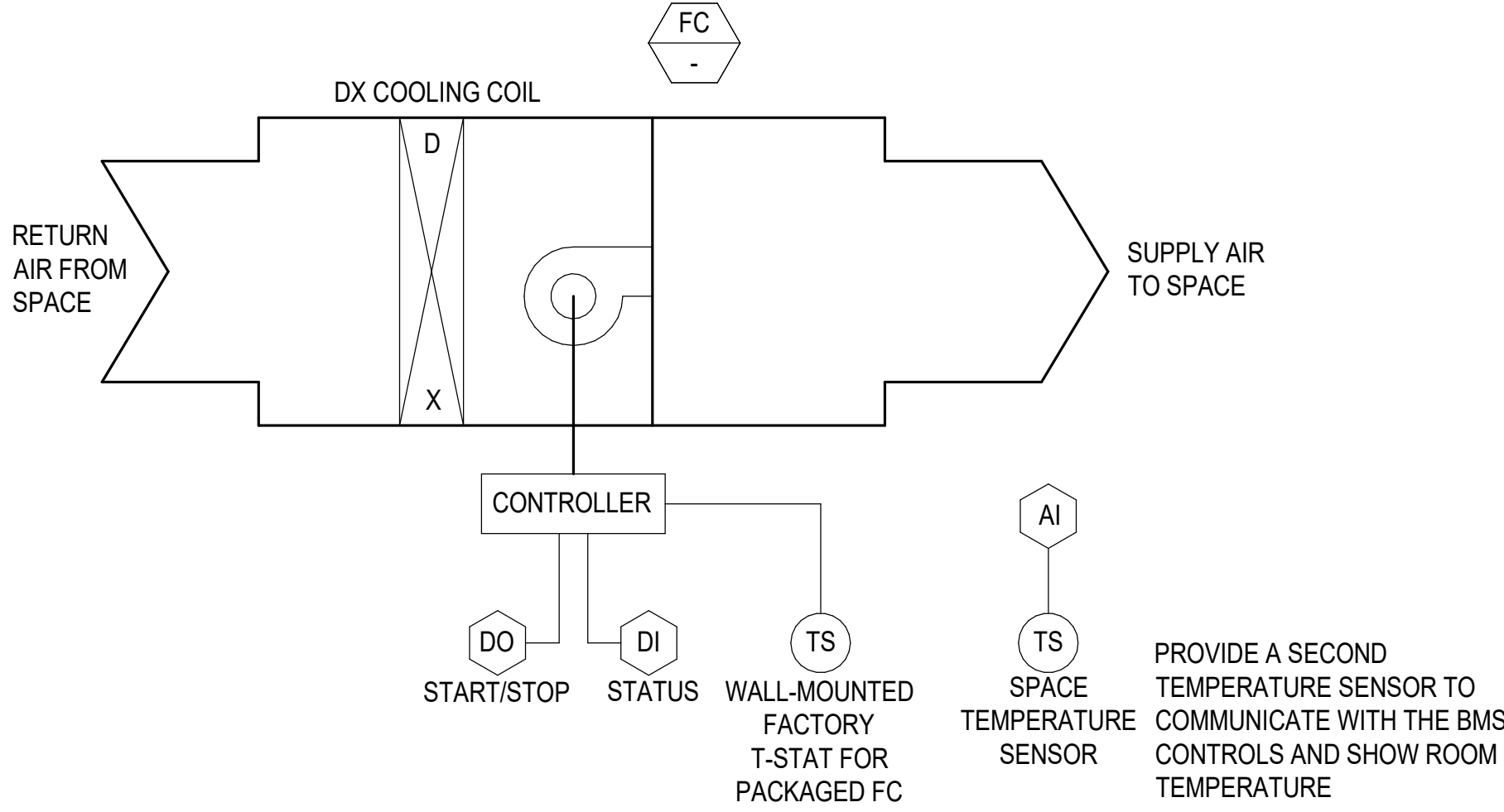
POINT	DESCRIPTION	TYPE	UNITS
S	EXHAUST FAN STATUS (THRU CURRENT SWITCH)	DI	-
SC	EXHAUST FAN SPEED CONTROL	AO	VDC



### EXHAUST FAN WITH EC MOTOR

NO SCALE

POINT	DESCRIPTION	TYPE	UNITS
F	FAN STATUS	DI	CFM
SS	FAN START / STOP	DO	VDC
T	SPACE TEMPERATURE	AI	°F



### SPLIT SYSTEM AIR CONDITIONING UNITS

NO SCALE

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Fairfax, VA 22031-4619  
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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY A Razo

APPROVED BY M Shen

CHECKED BY S Newman

DATE 10/29/2025

TITLE

CONTROL  
DIAGRAMS

PROJECT NO. 50184767

M503

SHEET NO.

P2S No. J25-0014



F  
E  
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A

1

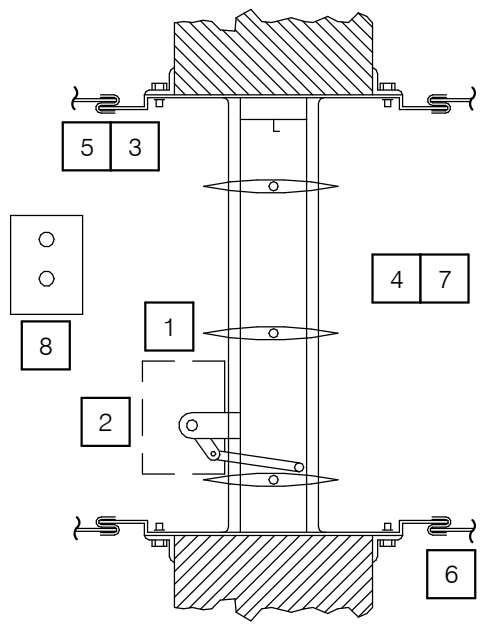
2

3

4

5

6



NOTES

- 1

WALL FIRE SMOKE DAMPER WITH AIRFOIL BLADES, PER NFPA 90A. ACCESS DOOR IS REQUIRED ON JACK-SHAFT SIDE OF THE DAMPER. REFER TO SPECIFICATION SECTION 233300 FOR ADDITIONAL REQUIREMENTS.
- 2

FIRE SMOKE DAMPER JACK-SHAFT AND ACTUATOR.
- 3

MOUNTING ANGLE SHALL BE MINIMUM OF 1-1/2"X 1-1/2"X1/4 GAUGE WITH MINIMUM 1" OVERLAP OF WALL ON EACH SIDE.
- 4

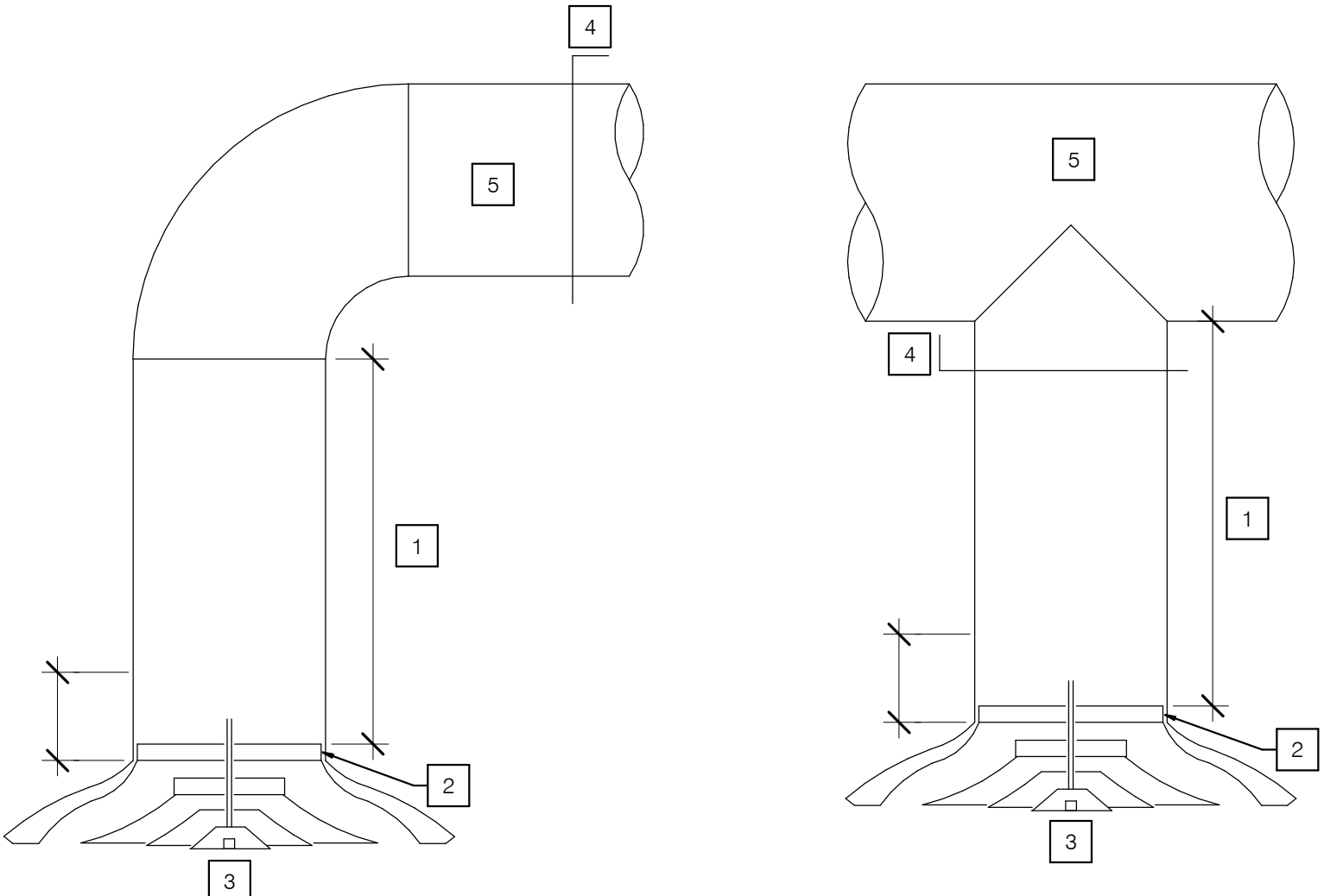
OPENING TO BE 1/4" PER FOOT LARGER THAN DAMPER DIMENSIONS. PROVIDE DUCT ACCESS DOOR AT EACH COMBINATION SMOKE/FIRE DAMPER. DOORS SHALL BE LOCATED SO THAT THE FIRE DAMPER CATCH MAY BE RELEASED WITH THE FIRE DAMPER IN A CLOSED POSITION AND FUSIBLE LINK REPLACED. EACH DOOR SHALL BE STENCILED "SMOKE/FIRE DAMPER ACCESS".
- 5

PLAIN "S" DUCT CONNECTION - DO NOT BOLT OR SCREW DUCT TO SLEEVE.
- 6

1 - HOUR FIRE CONSTRUCTION
- 7

WALL FIRE SMOKE DAMPER SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS. DAMPER SHALL BE GREENHECK FSD-312 AIRFOIL BLADE DESIGN. DAMPER SHALL BE CLASS 2, UL555S 1-1/2 HOUR FIRE RESISTANCE RATING. NFPA STANDARDS 90A, 92A, 92B & 101. UL STANDARD 555, LISTING #R13317. CSFM FIRE DAMPER LISTING #3225-0981.103. CSFM SMOKE DAMPER LISTING #3230-0981.104.
- 8

DUCT SMOKE DETECTOR SHALL BE PROVIDED AND WIRED BY ELECTRICAL CONTRACTOR. SMOKE DETECTOR AND SAMPLING TUBE SHALL BE INSTALLED ON THE DUCT BY MECHANICAL CONTRACTOR. REFER TO ELECTRICAL AND FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.



NOTES

- 1

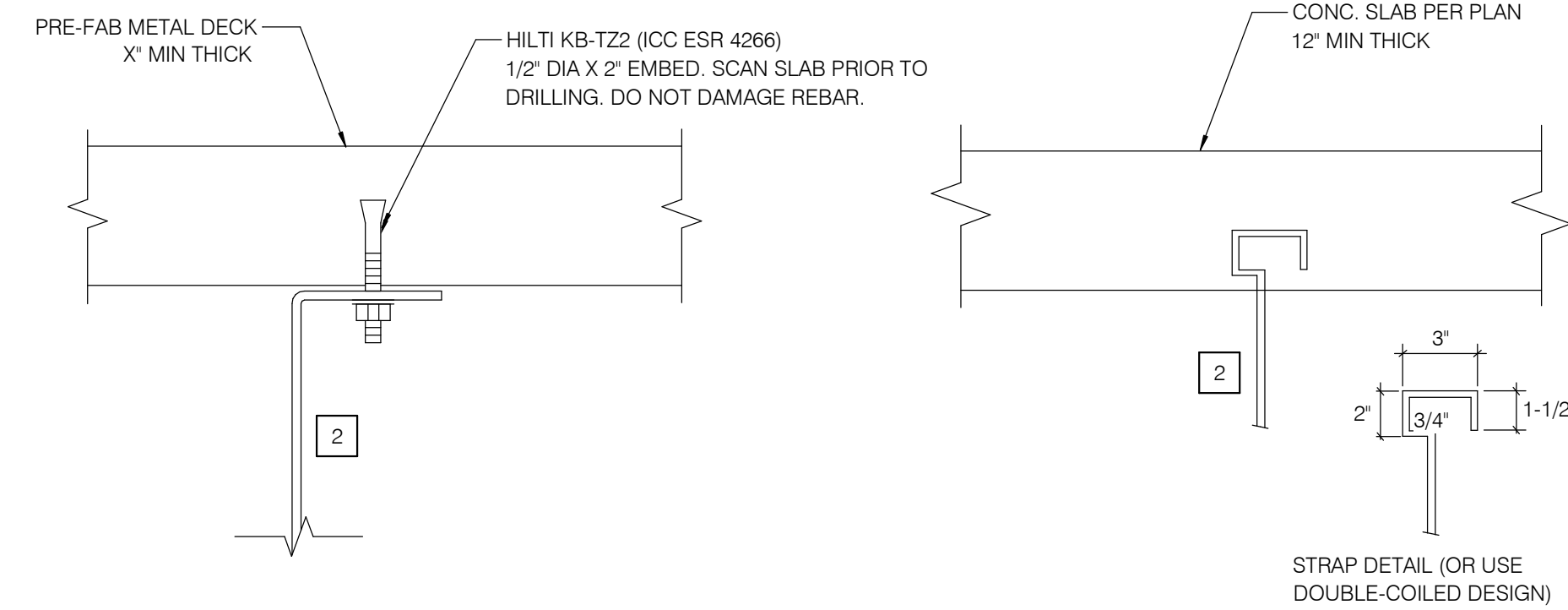
MINIMUM OF TWO DUCT DIAMETER OF STRAIGHT RIGID DUCT TO INLET OF DIFFUSER
- 2

DUCT COLLAR
- 3

ROUND DIFFUSER
- 4

PROVIDE MANUAL VOLUME DAMPER WITH SEAL AT ROUND TAP FROM THE SUPPLY MAIN AS FAR AWAY FROM DIFFUSER POSSIBLE. BALANCING DAMPER SHALL BE LOCATED ABOVE ACCESSIBLE CEILING OR ACCESS PANELS.
- 5

MAIN DUCT SEE FLOOR PLANS FOR SIZE AND ROUTING. CONSTRUCTED PER SMACNA DUCT CONSTRUCTION STANDARDS.



FOR RECTANGULAR DUCTS UP TO 6 SQ. FT. CROSS SECTIONAL AREA MAX.

FOR ROUND DUCTS UP TO 32"Ø MAX.

DETAIL IS APPLICABLE FOR GRAVITY SUPPORT ONLY.

NOTES

- 1

REFER TO DRAWINGS FOR DUCT SIZES. FOR DUCT CONSTRUCTION REQUIREMENTS REFER TO 2005 SMACNA DUCT CONSTRUCTION STANDARDS.
- 2

1" WIDE, 20 GAUGE, GALVANIZED STEEL DUCT HANGER STRAPS. DUCT SUPPORTS SHALL BE PROVIDED AT MAXIMUM 8'-0" ON CENTER FOR STRAIGHT LENGTH OF DUCT AND WITHIN 2'-0" FROM ALL ELBOWS AND DUCT TRANSITIONS.
- 3

ATTACH STRAPS TO DUCT WITH #8 SMS, TYPICAL.
- 4

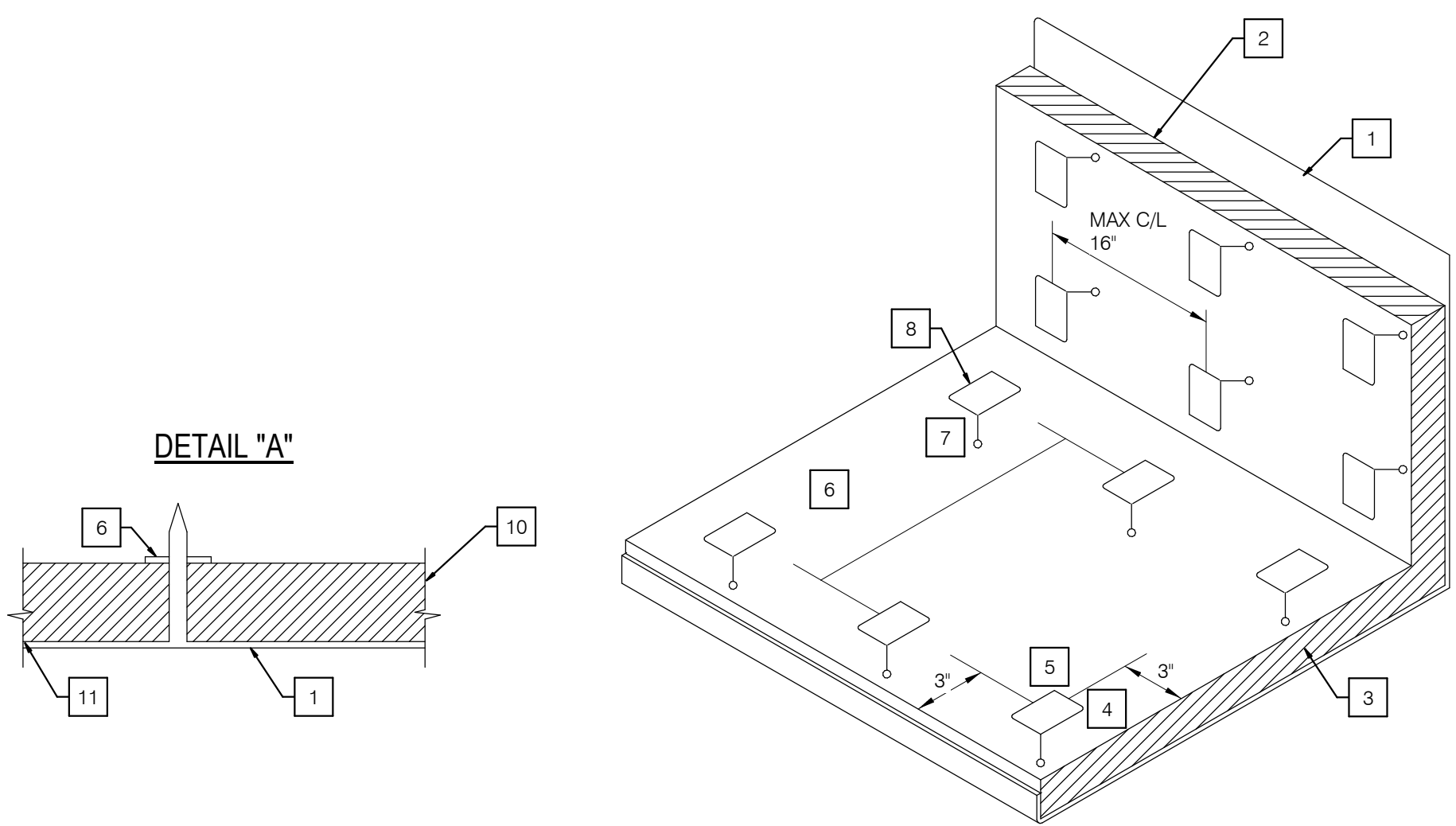
SECURE GALVANIZED STEEL HANGER STRAP TO DUCT STRAP WITH TWO (2) #10 x 5/8" TEK SCREW.
- 5

PER ASCE 7-10, 13.6.7 (AS MODIFIED BY CBC 2022) - BRACING MAY BE OMITTED WHERE DUCTS/COMPONENTS ARE FREE TO SWING WITHOUT IMPACT TO ANY ADJACENT COMPONENTS OR OBSTRUCTIONS AND HVAC DUCTS SATISFY ONE OF THE FOLLOWING:  
A) CROSS-SECTIONAL AREA OF 6 SF OR LESS  
B) WEIGH 10 LB/FT OR LESS  
C) SUPPORTING HANGER IS 12" OR LESS IN LENGTH AS MEASURED FROM THE DUCT SUPPORT TO THE SUPPORTING STRUCTURE. HANGER FOODS LARGER THAN 3/8 INCH SHALL BE EQUIPPED WITH SWIVELS.
- 6

WHERE SEISMIC BRACING IS REQUIRED, SEE DETAIL 2 AND 3 ON M6.03. WHERE SEISMIC BRACING IS REQUIRED, PROVIDE TRANSVERSE BRACING AT BEGINNING AND END OF EACH RUN AND AT 20 FT SPACING. AND LONGITUDINAL BRACING EACH SIDE OF DUCT AT EACH RUN AND AT 20 FT SPACING.

6 VERTICAL RECTANGULAR FIRE SMOKE DAMPER

SCALE: NONE



NOTES

- 1

DUCT
- 2

1" THICK FIBERGLASS FREE LINER, UNLESS SPECIFIED OTHERWISE.
- 3

ALL ENDS OF LINER COATED WITH ADHESIVE.
- 4

NOT MORE THAN 3" FROM EDGE OF LINER
- 5

TYPICAL STUD-WELDED PINS AND SPEED CLIP WASHER (SEE DETAIL "A")
- 6

COATED SURFACE OF INSULATION EXPOSED TO AIRSTREAM
- 7

PINS SPOT WELDED TO DUCTWORK
- 8

SEPARATE SPEED CLIP WASHER
- 9

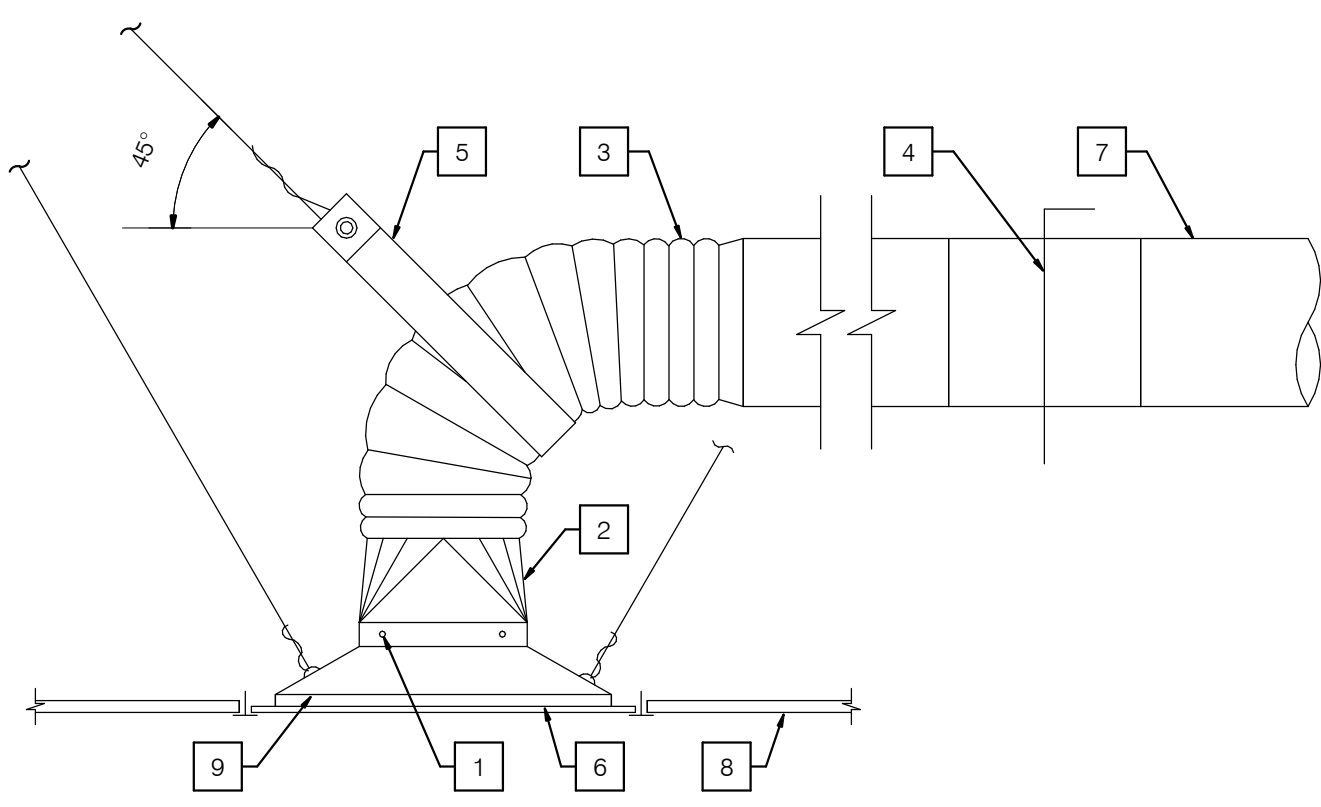
DOWN OVER PIN TO LINING
- 10

WELD-PIN STUD WELDED TO DUCT (PIN FASTENED TO DUCT WITH ADHESIVE NOT APPROVED)
- 11

ADHESIVE OVER COMPLETE SURFACE OF DUCT

4 EXPOSED DUCT DIFFUSER CONNECTION

SCALE: NONE



NOTES

- 1

ATTACH TO CEILING DIFFUSER W/ SHEET METAL SCREWS MIN. 2 PER SIDE & SEAL W/ MEDIUM PRESSURE DUCT SEALER.
- 2

SQUARE TO ROUND DUCT, TRANSITION AS NECESSARY
- 3

ACOUSTICAL FLEX. DUCT 5'-0" MAXIMUM LENGTH.
- 4

MANUAL VOLUME DAMPER.
- 5

2" WIDE SHEET METAL STRAP
- 6

PAINT INTERIOR FLAT BLACK PRIOR TO INSTALLATION
- 7

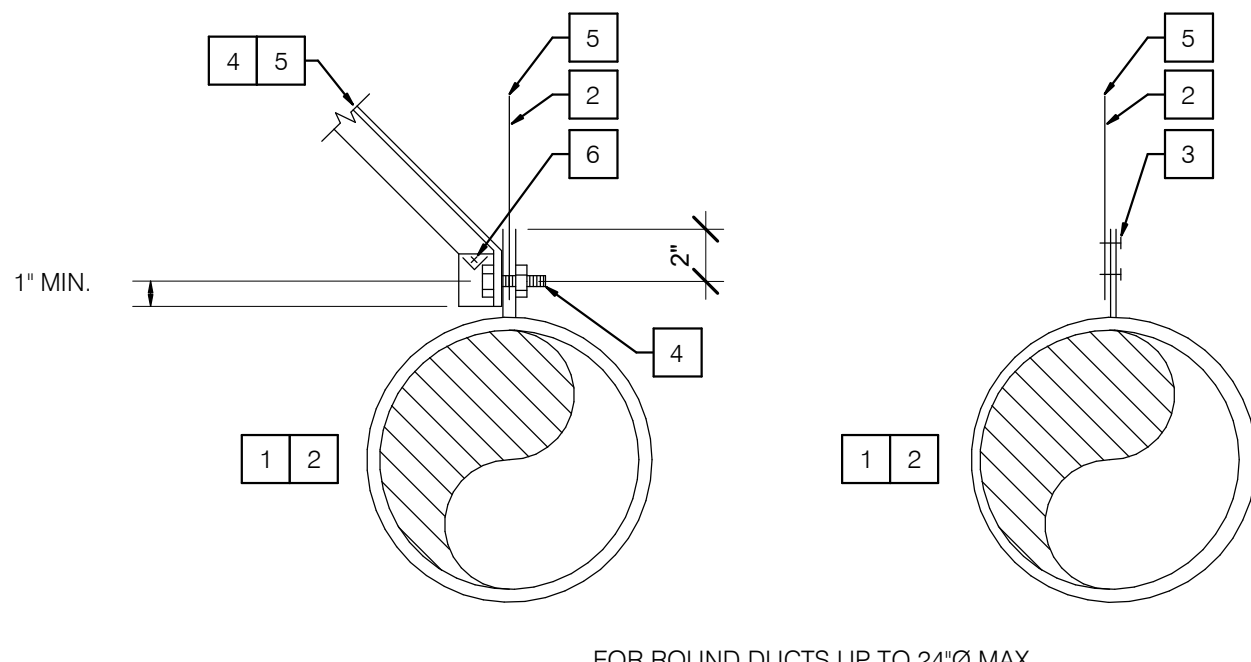
ROUND DUCT.
- 8

CEILING.
- 9

DIFFUSER.

2 ATTACHMENT TO WOOD BEAM/JOIST

SCALE: NONE



NOTES

- 1

REFER TO DRAWINGS FOR ROUND DUCT SIZES. FOR ADDITIONAL DUCT SUPPORT AND OTHER DUCT CONSTRUCTION REQUIREMENTS REFER TO SMACNA DUCT CONSTRUCTION STANDARDS.
- 2

GALVANIZED STEEL DUCT HANGER STRAPS, SIZE PER 2020 SMACNA DUCT CONSTRUCTION STANDARDS TABLE 5-2. ROUND DUCT SUPPORTS SHALL BE PROVIDED AT MAXIMUM 12'-0" ON CENTER FOR STRAIGHT LENGTH OF DUCT AND MINIMUM 2'-0" ON CENTER AT ALL ELBOWS AND DUCT TRANSITIONS.
- 3

SECURE GALVANIZED STEEL HANGER STRAP TO DUCT STRAP WITH TWO (2) #10 x 5/8" TEK SCREW.
- 4

WHERE REQUIRED TO PREVENT IMPACT BETWEEN DUCT BEING SUPPORTED WITH LARGER DUCTS OR OTHER UTILITIES, PROVIDE 1/2"x2"x1/4" DIAGONAL ANGLE BRACE AT ALTERNATE SIDES OF HANGERS. SECURE ANGLE BRACE TO HANGER STRAP WITH A307 MACHINE BOLT AND NUT.
- 5

COORDINATE WITH STRUCTURAL FOR SUPPORT TO STRUCTURE ABOVE.
- 6

#8 SMS (TYP.).

5 DUCT LINER

SCALE: NONE

3 CEILING DIFFUSER CONNECTION

SCALE: NONE

1 ROUND DUCT SUPPORT

SCALE: NONE



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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

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APPROVED BY M Shen  
CHECKED BY S Newman  
DATE 10/29/2025  
TITLE

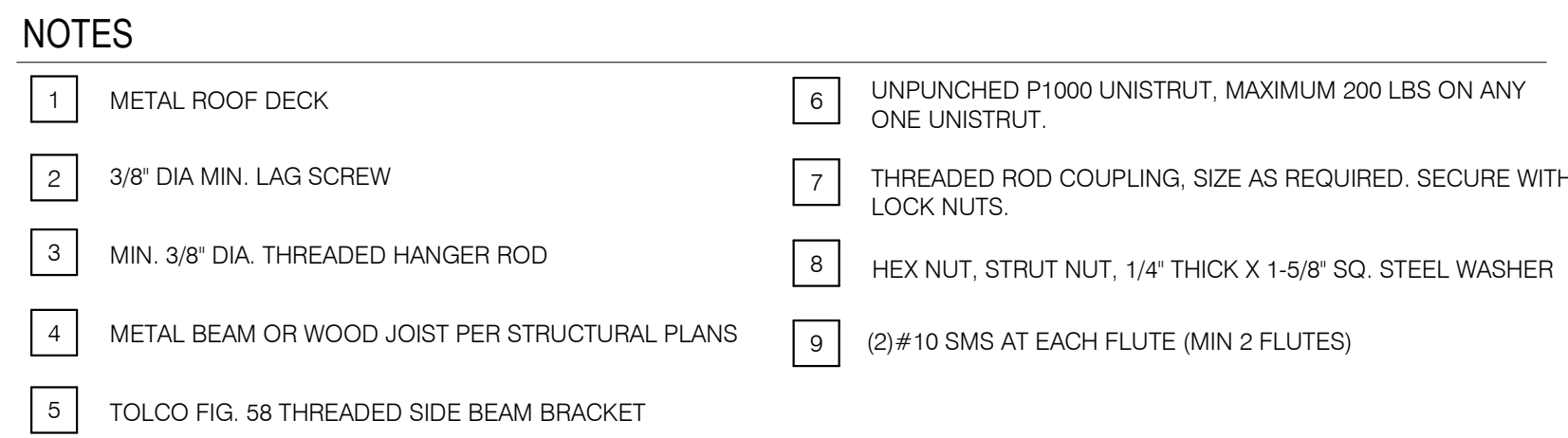
DETAILS

PROJECT NO. 50184767

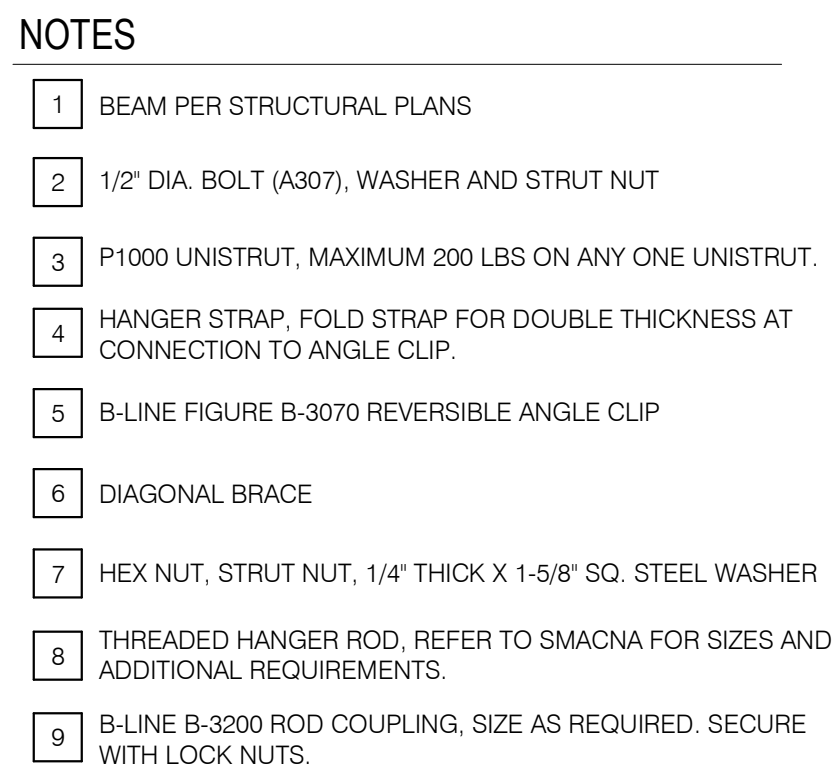
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P2S No. J25-0014

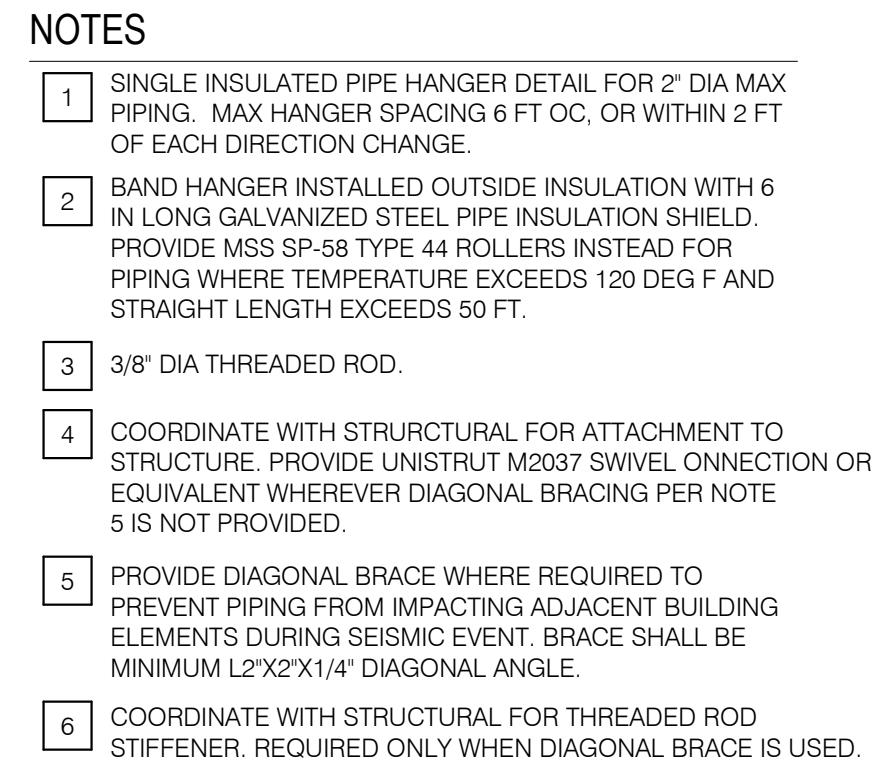




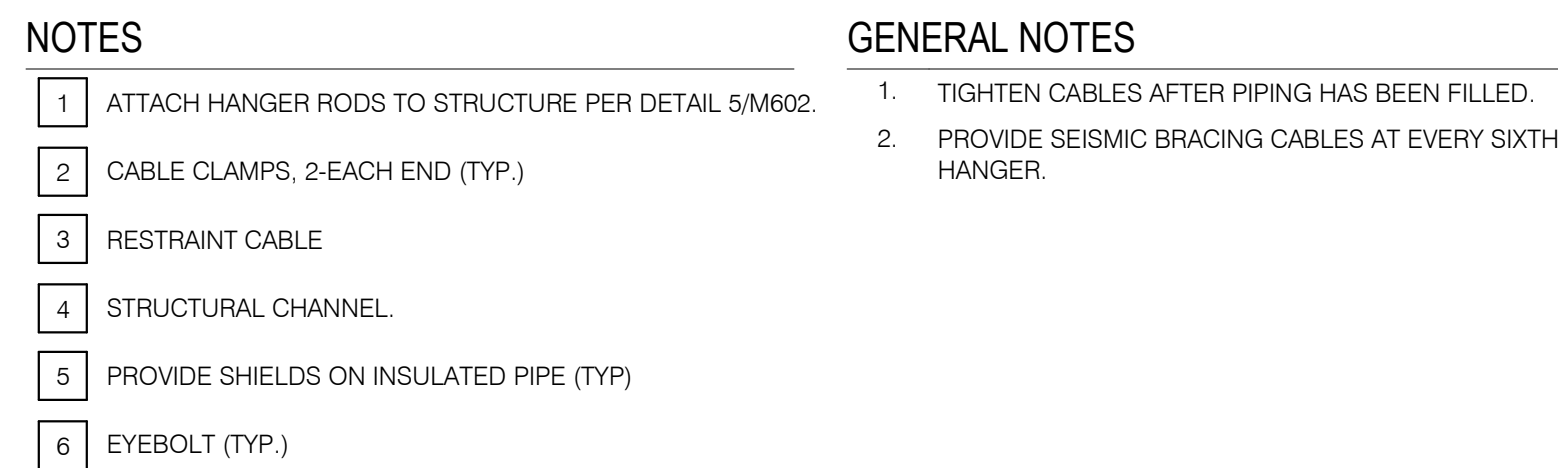
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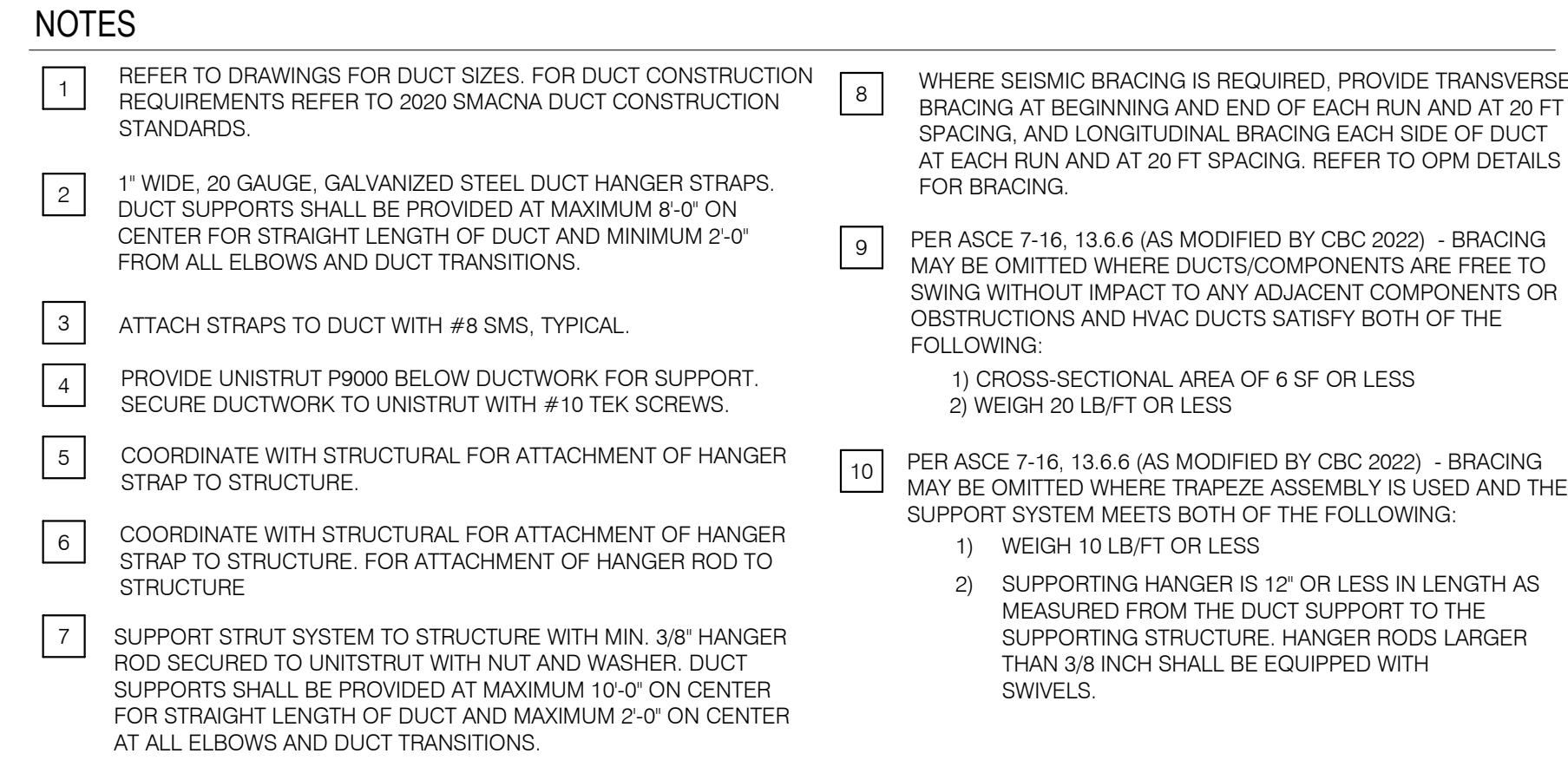
5 SCALE: NONE



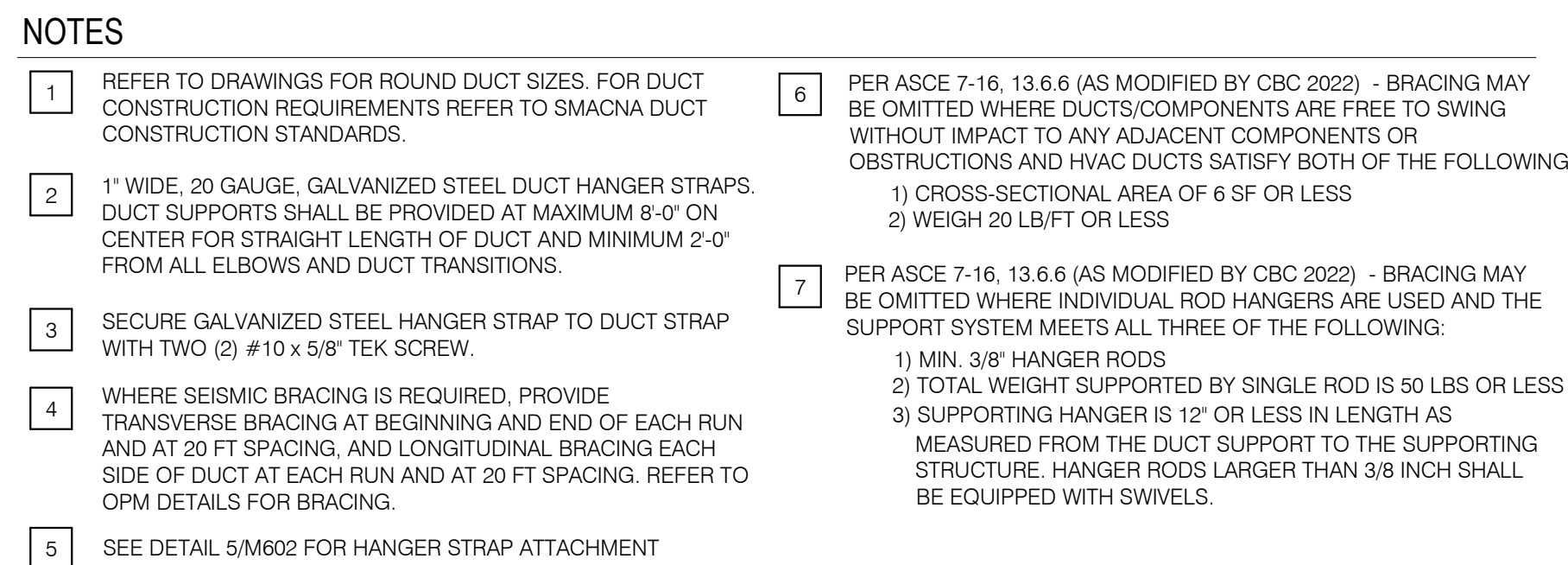
4 SCALE: NONE



3 SCALE: NONE

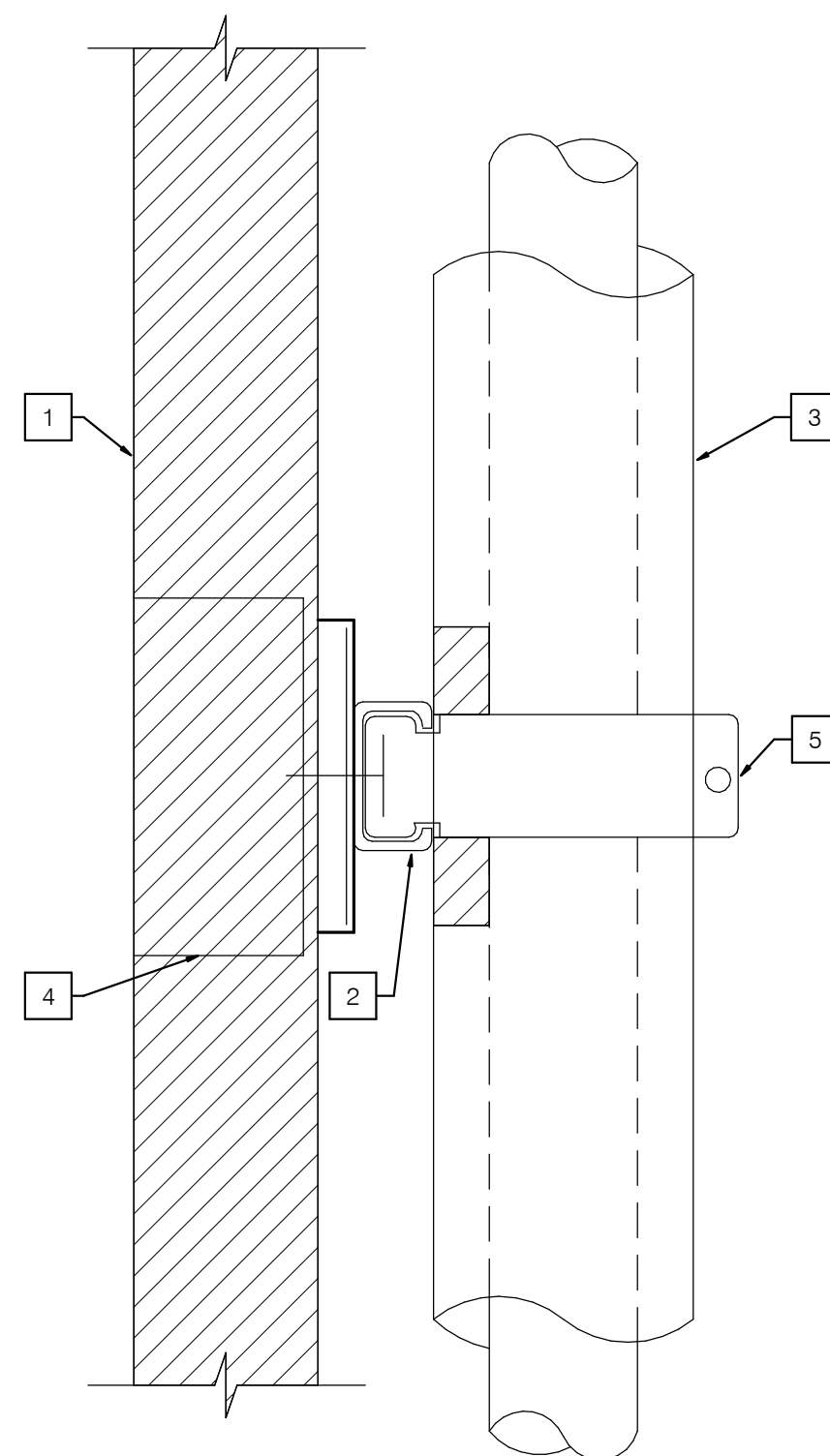


2 SCALE: NONE



1 SCALE: NONE

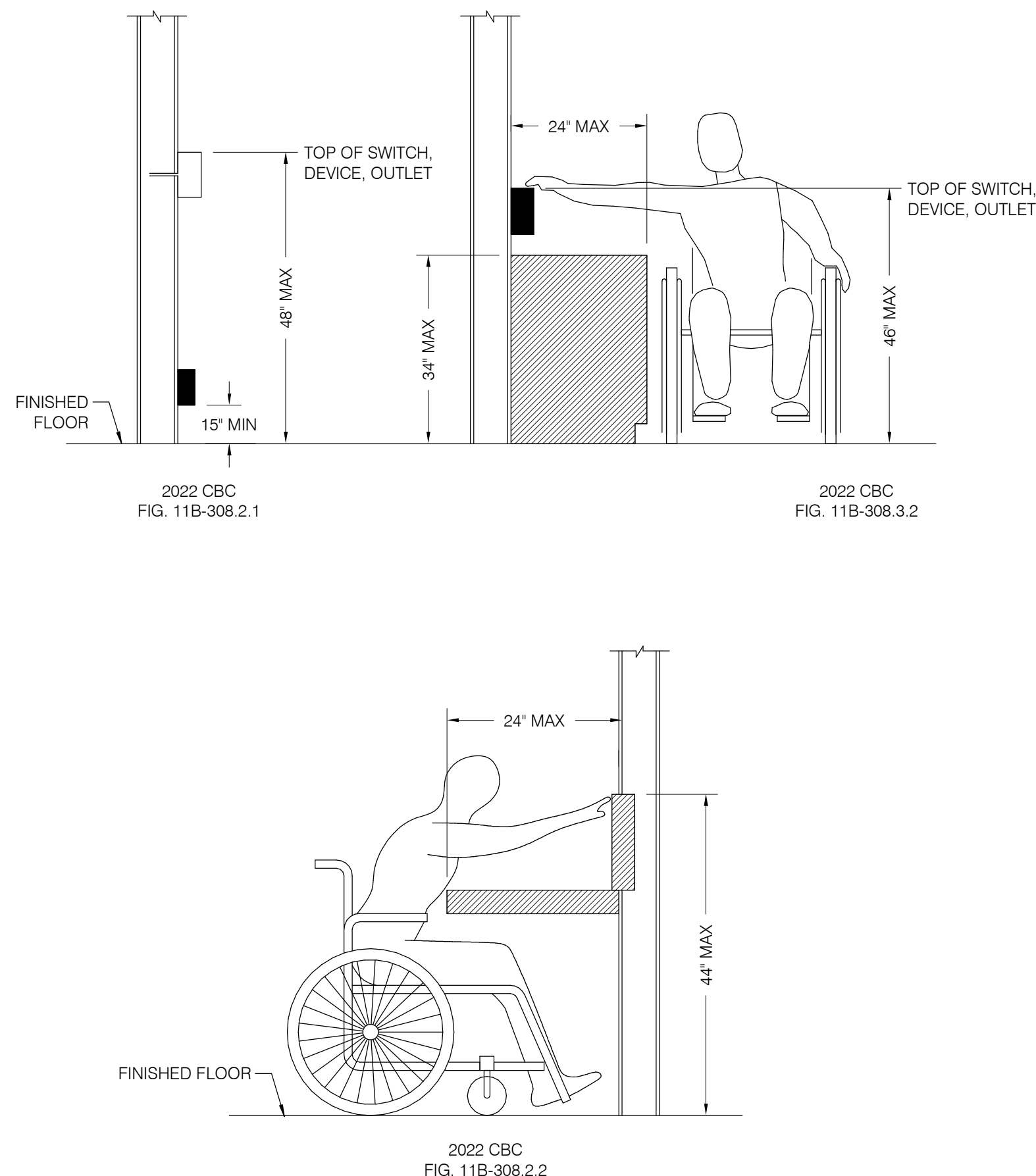




- ## NOTES
- 1 WALL STRUCTURE
  - 2 UNISTRUT P1000 X 0'x9' WITH 6'-0" MAXIMUM VERTICAL SPACING, AT STEEL STUD WALL, PROVIDE 1/4 GA TRACK BACKING AND SECURE WITH (4) #12 PAN HEAD SCREWS AT EACH STUD. FOR CMU WALL CONDITION PROVIDE (1) 3/8"x6 HILTI KB-TZ2 WITH 2" EMBED EACH END PER ICC ESR-4266.
  - 3 INSULATED REFRIGERANT PIPES
  - 4 COORDINATE BACKING WITH STRUCTURAL
  - 5 SPLIT TYPE PIPE CLAMP

## F VERTICAL PIPE MOUNTING

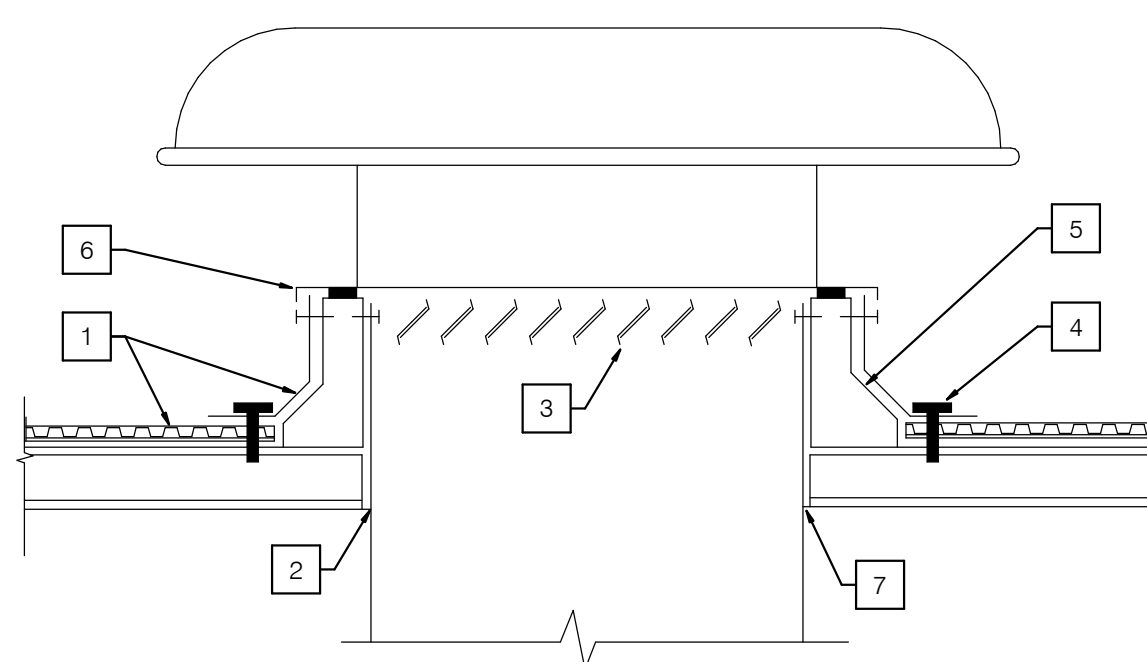
SCALE: NONE



- ## 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).

4 MOUNTING HEIGHT OVER OBSTRUCTION

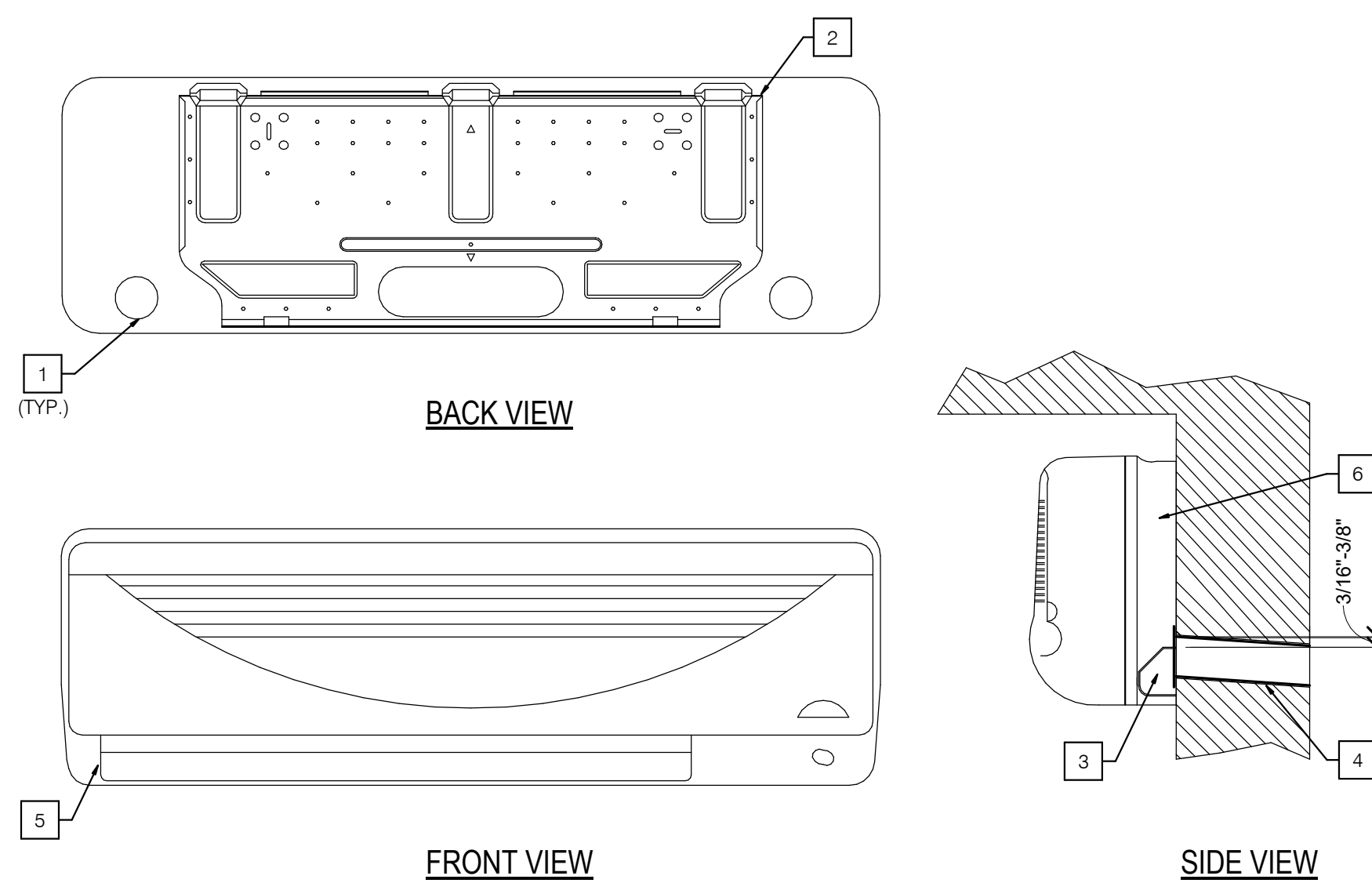
SCALE: NONE



- ## NOTES
- |   |  |
|---|--|
| 1 | COORDINATE ROOFING AND FLASHING WITH BUILDING MANUFACTURER, ARCHITECT, AND STRUCTURAL ENGINEER.  |
| 2 | ROOF OPENING SHALL NOT BE LARGER THAN THE INSIDE DIMENSION OF CURB.  |
| 3 | BACKDRAFT DAMPER   |
| 4 | 1/4" SMS SCREW @ 12" O.C. (MINIMUM 3 EACH SIDE) TO SUPPORTING STEEL BELOW. OR 3/8" X 1-5/8" HILTI KH-EZ AT EACH CORNER, 4 MIN. (ESR 3027) FOR CONCRETE DECK. |
| 5 | PREFABRICATED CURB   |
| 6 | SECURE RELIEF VENT TO CURB WITH #10 - 1-1/2 SHEET METAL SCREWS MIN. 12" O.C.   |
| 7 | EXHAUST DUCT THROUGH ROOF  |

c ROOF CAP

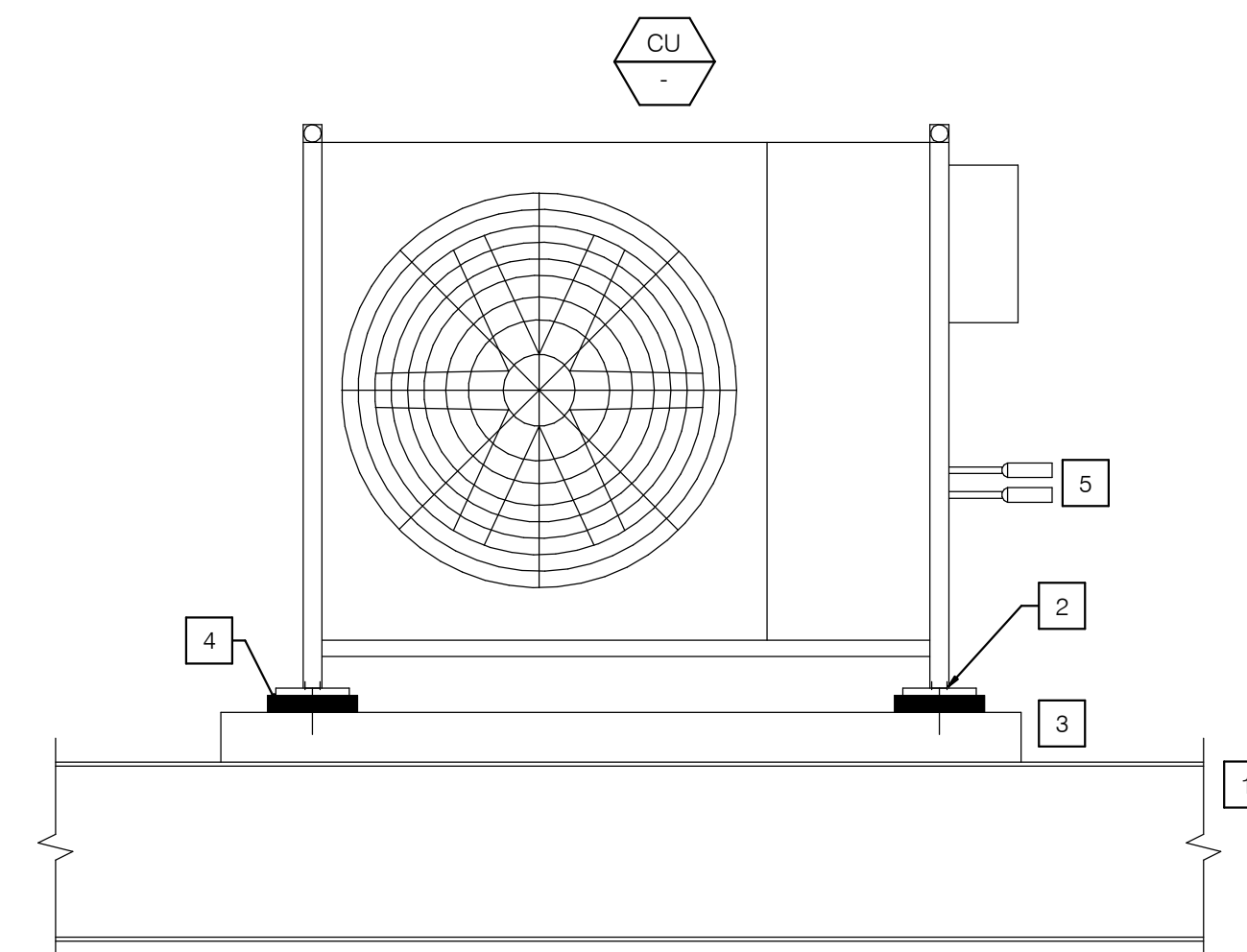
SCALE: NONE



- | NOTES |  |
|-------|--|
| 1     | 2-1/2" DIA. KNOCKOUT PANELS FOR REFRIGERANT, DRAIN, POWER AND SIGNAL LINES.  |
| 2     | MOUNTING BRACKET, FOR WOOD STUD, MOUNT TO STUDS, OR REMOVE DRYWALL AND PROVIDE BLOCKING TO ATTACH TO THE STUDS. REPLACE DRYWALL/PANET TO MATCH. FOR METAL STUDS INSTALL WITH (4) #10 SHEET METAL SCREWS AT CORNERS, MIN WITH 16 GA BRACKING AS REQUIRED. |
| 3     | COORDINATE WITH STRUCTURAL FOR WALL MOUNTED EQUIPMENT ATTACHMENT.  |
| 4     | WALL SLEEVE.   |
| 5     | 2" DIA. SLEEVE FOR REFRIGERANT, DRAIN, POWER AND SIGNAL LINES. REFRIGERANT, DRAIN, AND POWER CONNECTIONS MAY BE MADE IN UNIT. REAR, BOTTOM, LEFT SIDE OR RIGHT SIDE. INSTALL UNIT AS INSTRUCTED BY MANUFACTURER.   |
| 6     | AUTO AIRSWEEP LOUVER.  |
| 7     | COORDINATE WITH STRUCTURAL AND ARCHITECTURAL STUD BACKING FOR ANCHORAGE.   |

2 WALL MOUNTED FAN COIL

SCALE: NONE



- ## NOTES
- 1 ROOF DECK
  - 2 (2) 3/8" x HILTI KB-T22 BOLTS EACH SIDE (4 TOTAL) 2" MIN. EMBED (ICC ESR-4266).
  - 3 COORDINATE 6" HOUSEKEEPING PAD WITH STRUCTURAL ENGINEER, ARCHITECT, AND BUILDING MANUFACTURER.
  - 4 NEOPRENE PAD WITH STEEL BEARING PLATE. VIBREX ICPS-EQ OR ENGINEER APPROVED EQUAL.
  - 5 CONNECT REFRIGERANT LINES TO CONDENSING UNIT USING FLEXIBLE REFRIGERANT LINE CONNECTOR.

## 1 CONDENSING UNIT MOUNTING

SCALE: NONE



CITY OF MCFARLAND, CALIFORNIA

---

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

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## KEY PLAN

SCALE

[illegible]

DRAWN BY	A Rozo
APPROVED BY	M Shen
CHECKED BY	S Newman
DATE	10/29/2025

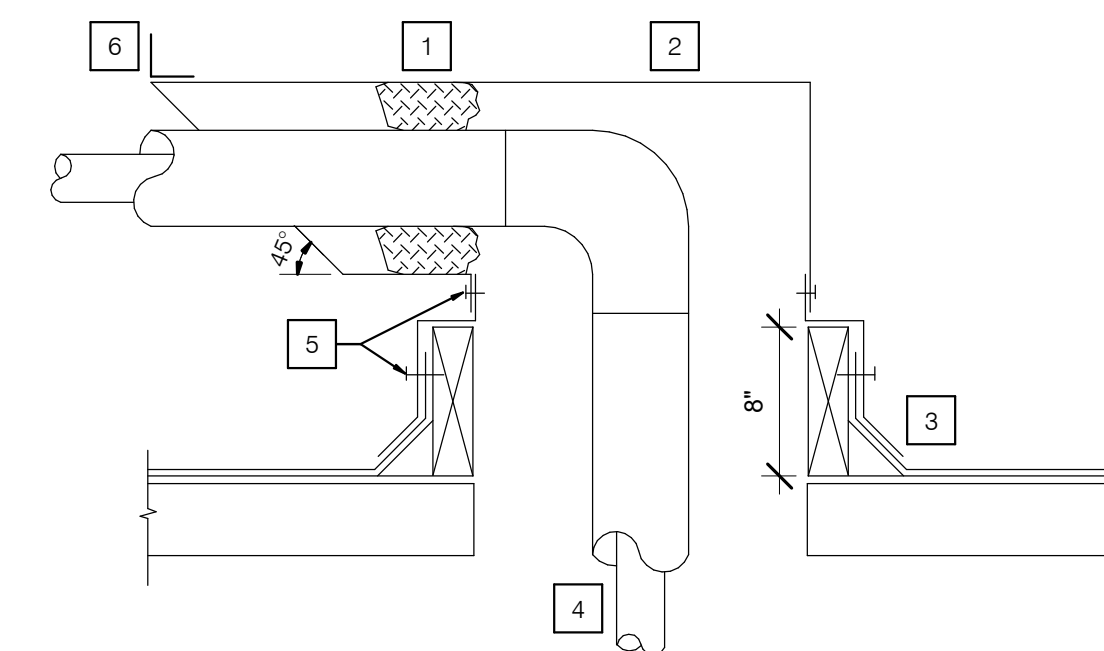
TITLE

## DETAILS

PROJECT NO.	50184767
-------------	----------

M604

SHEET NO. \_\_\_\_\_  
P2S No. J25-0014



## NOTES

- 1 SEAL AROUND PIPE(S) WITH RTV FOAM (TYP.)
- 2 16 GA. G.I. REMOVABLE HOOD
- 3 COORDINATE WITH STRUCTURAL, ARCHITECTURAL, AND BUILDING MANUFACTURER FOR FLASHING AND WATERPROOFING.
- 4 PIPE(S) THROUGH ROOF
- 5 PIPE HOOD TO BE SCREWED TO CURB EVERY 4 INCHES.
- 6 RAIN GUTTER

## 1 PIPE PENETRATION THROUGH ROOF

SCALE: NONE







F

STATE OF CALIFORNIA

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Project Address:

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A. GENERAL INFORMATION

01 Project Location (city)

McFarland

04 Total Conditioned Floor Area

12925

02 Climate Zone

13

05 Total Unconditioned Floor Area

2265

03 Occupancy Types Within Project:

06 # of Stories (Habitable Above Grade)

1

Commercial Industrial

Data Center

Gymnasium

Office

B. PROJECT SCOPE

This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.(b)(2) and 180.2(b)(2) for alterations.

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

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E

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C. COMPLIANCE RESULTS

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

01	02	03	04	05	06	07	08	09
System Summary 110.1, 110.2, 140.4, 170.2(c)	AND Pumps 140.4(k), 170.2(c)(4)	AND Fans/ Economizers 140.4(c), 140.4(e), 170.2(c)	AND System Controls 110.2, 120.2, 140.4(f), 170.2(c)	AND Ventilation 120.1, 160.2	AND Terminal Box Controls 140.4(d), 170.2(c)(48)	AND Distribution 120.3, 140.4(i), 160.2, 160.3	AND Cooling Towers 110.2(e)(2)	Compliance Results
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)	
Yes	AND	AND	Yes	AND	Yes	AND	Yes	COMPLIES with Exceptional Conditions
Mandatory Measures Compliance (See Table Q for Details)								
COMPLIES								

D. EXCEPTIONAL CONDITIONS

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

An exception has been taken to allow electric resistance heating. See Table F. for details.

E. ADDITIONAL REMARKS

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

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Space Conditioning System Information

01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
RTU-1	1	Multi-zone			<input type="checkbox"/>

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F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

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

01	02	03	04	05	06	07	08	09	10	11
Name or Item Tag	Equipment Category per Tables 110.2, 140.4(a)2 and 170.2(c)(3a)ii	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available <sup>1</sup> 140.4(a) and 170.2(c)(1)	Equipment Sizing per Mechanical Schedule (kBtu/h) 140.4(a)(b), 170.2(c)(1) & 170.2(c)(2)						
				Heating Output <sup>2,3</sup>		Cooling Output <sup>2,3</sup>		Load Calculations <sup>1,4</sup>		
				Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
RTU-1	SPVAC/ SPVHP	SPVHP	Yes	23.01	25.67	16.7	25.59	31.16	6.9	19.9
RTU-2	SPVAC/ SPVHP	SPVHP	Yes	23.94	24.36	11.3	20.31	26.79	5.8	19.4
RTU-3	SPVAC/ SPVHP	SPVHP	Yes	59.29	66.1	40.9	85.14	89.01	7.2	25.3
RTU-4	SPVAC/ SPVHP	SPVHP	Yes	30.71	34.21	16.7	39.4	46.61	5	19.2
RTU-5	SPVAC/ SPVHP	SPVHP	Yes	23.15	25.8	11.3	26.1	30.94	7.7	17.9
RTU-6	SPVAC/ SPVHP	SPVHP	Yes	38.71	43.21	16.7	40.83	52.7	12.4	34.9
RTU-7	SPVAC/ SPVHP	SPVHP	Yes	30.78	34.28	16.7	39.54	46.33	11.6	25
RTU-8	SPVAC/ SPVHP	SPVHP	Yes	14.42	16.04	13	16.39	24	3.7	6.5
RTU-9	SPVAC/ SPVHP	SPVHP	Yes	14.59	16.25	13	19.06	24	3.7	10.5
VFC-1	Variable Refrigerant Flow	VRF air conditioner, air cooled	Yes				36	36		36
VCU-1	Variable Refrigerant Flow	VRF heat pump, air cooled	Yes	81	81	0	72	72	0	20

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H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	RTU-2 SA FAN	Quantit y	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	900	Site Elevation	370	Economizer	Differential Temperatu re						
01	02	03	04		05		06	07	08	09											
Fan Name or Item Tag	Fan Type	Qty	Component		Airflow through Component (%)		Water Gauge (w.g)	Allowance		Design											
								Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) <sup>1</sup>	Design Electrical Input Power Method		Motor Nameplate Horsepower		Fan Electrical Input Power (kW)							
								0.139													
								0.139													
								0.046													
RTU-2 SA FAN	Supply	1	Hydronic/DX cooling coil or heat pump coil		100			0.139		Manufacturer provided				0.37							
			MERV 13-16 Filter upstream of thermal conditioning equipment		100			0.139													
			Economizer Return Damper		100			0.046													
			Electric heat		100			0.046													
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)					Fan System Allowance (kW) <sup>3</sup>				Fan System Electrical Input Power (kW)		0.37							

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A

Dewberry Architects Inc.

8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

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CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL

KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY A Rizzo

APPROVED BY M Shen

CHECKED BY S Newman

DATE 10/29/2025

TITLE

TITLE 24  
COMPLIANCE  
FORMS

PROJECT NO. 50184787

M701

SHEET NO.

P2S No. J25-0014

10/29/2025 1:14:42 PM



F

E

D

C

B

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H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	RTU-5 SA FAN	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	1,000	Site Elevation	370	Economizer	Differential Temperature
01	02	03	04	05	06	07	08	09	10	11					
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g.)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) <sup>1</sup>	Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (KW)					
RTU-5 SA FAN	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139									
			MERV 13-16 Filter upstream of thermal conditioning equipment	100		0.139	0.37	Manufacturer provided		0.41					
			Economizer Return Damper	100		0.046									
			Electric heat	100		0.046									
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			Fan System Allowance (kW) <sup>3</sup>			Fan System Electrical Input Power (KW)	0.41					

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H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	RTU-6 SA FAN	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	1,530	Site Elevation	370	Economizer	Differential Temperature
01	02	03	04	05	06	07	08	09	10	11					
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g.)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) <sup>1</sup>	Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (KW)					
RTU-6 SA FAN	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139									
			MERV 13-16 Filter upstream of thermal conditioning equipment	100		0.139	0.37	Manufacturer provided		0.67					
			Economizer Return Damper	100		0.046									
			Electric heat	100		0.046									
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			Fan System Allowance (kW) <sup>3</sup>			Fan System Electrical Input Power (KW)	0.67					

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H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	RTU-7 SA FAN	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	1,300	Site Elevation	370	Economizer	Differential Temperature
01	02	03	04	05	06	07	08	09	10	11					
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g.)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) <sup>1</sup>	Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (KW)					
RTU-7 SA FAN	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139									
			MERV 13-16 Filter upstream of thermal conditioning equipment	100		0.139	0.37	Manufacturer provided		0.59					
			Economizer Return Damper	100		0.046									
			Electric heat	100		0.046									
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			Fan System Allowance (kW) <sup>3</sup>			Fan System Electrical Input Power (KW)	0.59					

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H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	RTU-8 SA FAN	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	715	Site Elevation	370	Economizer	Differential Temperature
01	02	03	04	05	06	07	08	09	10	11					
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g.)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) <sup>1</sup>	Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (KW)					
RTU-8 SA FAN	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139	0.231	Manufacturer provided		0.07					
			Economizer Return Damper	100		0.046									
			Electric heat	100		0.046									
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			Fan System Allowance (kW) <sup>3</sup>			Fan System Electrical Input Power (KW)	0.07					

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H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	RTU-9 SA FAN	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	715	Site Elevation	370	Economizer	Differential Temperature
01	02	03	04	05	06	07	08	09	10	11					
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g.)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) <sup>1</sup>	Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (KW)					
RTU-9 SA FAN	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139	0.231	Manufacturer provided		0.07					
			Economizer Return Damper	100		0.046									
			Electric heat	100		0.046									
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			Fan System Allowance (kW) <sup>3</sup>			Fan System Electrical Input Power (KW)	0.07					

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H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	FC-1 SA FAN	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	705	Site Elevation	370	Economizer	NA: <=33 kBTU/h cooling
01	02	03	04	05	06	07	08	09	10	11					
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g.)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) <sup>1</sup>	Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (KW)					
FC-1 SA FAN	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139	0.139	Manufacturer provided		0.03					
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			Fan System Allowance (kW) <sup>3</sup>			Fan System Electrical Input Power (KW)	0.03					

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H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	FC-2 SA FAN	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	530	Site Elevation	370	Economizer	NA: <=33 kBTU/h cooling
01	02	03	04	05	06	07	08	09	10	11					
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g.)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) <sup>1</sup>	Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (KW)					
FC-2 SA FAN	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139	0.139	Manufacturer provided		0.03					
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			Fan System Allowance (kW) <sup>3</sup>			Fan System Electrical Input Power (KW)	0.03					

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H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	FC-3 SA FAN	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	477	Site Elevation	370	Economizer	NA: <=33 kBTU/h cooling
01	02	03	04	05	06	07	08	09	10	11					
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g.)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) <sup>1</sup>	Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (KW)					
FC-3 SA FAN	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139	0.139	Manufacturer provided		0.03					
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			Fan System Allowance (kW) <sup>3</sup>			Fan System Electrical Input Power (KW)	0.03					

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

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H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)40

Fan System Name	Qty	Hours of Operation per Year	Design Supply Airflow Rate	Outdoor Airflow	% Outdoor Air at Full Design Airflow	Exemptions to Exhaust Air Heat Recovery Requirement per 140.4(q) & 170.2(c)40	Exhaust Air Heat Recovery 140.4(q) & 170.2(c)40	Type Of Heat Recovery Rating	Required Recovery Ratio	Energy Recovery Bypass
RTU-1 SA FAN	1	>= 8,000	1,065	245	23	No Exemptions Apply	Not Required			
RTU-2 SA FAN	1	< 8,000	900	100	11	No Exemptions Apply	Not Required			
RTU-3 SA FAN	1	< 8,000	3,000	1,200	40	No Exemptions Apply	Not Required			
RTU-4 SA FAN	1	< 8,000	1,400	400	29	No Exemptions Apply	Not Required			
RTU-5 SA FAN	1	< 8,000	1,000	300	30	No Exemptions Apply	Not Required			
RTU-6 SA FAN	1	< 8,000	1,530	250	16	No Exemptions Apply	Not Required			
RTU-7 SA FAN	1	< 8,000	1,300	450	35	No Exemptions Apply	Not Required			
RTU-8 SA FAN	1	< 8,000	715	100	14	No Exemptions Apply	Not Required			
RTU-9 SA FAN	1	< 8,000	715	200	28	No Exemptions Apply	Not Required			
FC-1 SA FAN	1	>= 8,000	705	0		No Exemptions Apply	Not Required			
FC-2 SA FAN	1	>= 8,000	530	0		No Exemptions Apply	Not Required			
FC-3 SA FAN	1	>= 8,000	477	0		No Exemptions Apply	Not Required			

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8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



Long Beach // Irvine // Los Angeles  
San Diego // San Jose // Seattle  
p2sinc.com

CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY \_\_\_\_\_ A Rozo  
APPROVED BY \_\_\_\_\_ M Shen  
CHECKED BY \_\_\_\_\_ S Newman  
DATE \_\_\_\_\_ 10/29/2025  
TITLE \_\_\_\_\_

TITLE 24  
COMPLIANCE  
FORMS

PROJECT NO. 50184767

M702

SHEET NO.  
P2S No. J25-0014



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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

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Fan Energy Index (FEI)

01	02	03
Name or Item Tag	FEI Exception	FEI
RTU-1 SA FAN	Embedded Fan <SHP or <4.1kW	
RTU-2 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	
RTU-3 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	
RTU-4 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	
RTU-5 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	
RTU-6 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	
RTU-7 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	
RTU-8 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	
RTU-9 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	
FC-1 SA FAN	Embedded Fan <SHP or <4.1kW	
FC-2 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	
FC-3 SA FAN	Embedded Fan Regulated under 110.2 or 110.1	

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STATE OF CALIFORNIA

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I. SYSTEM CONTROLS

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

01	02	03	04	05	06	07	08	09	10
System Name	System Zoning	Conditione d Floor Area Being Served (ft²)	Thermostats 110.2(b) & (c)¹, 120.2(a) 160.3(a)(2A or 141.0(b)(2E & 180.2(b)(2	Shut-Off Controls 120.2(e) & 140.4(f) & 160.3(a)(2F	Isolation Zone Controls 120.2(g) & 160.3(a)(2F	Demand Response 110.12 120.2(b) & 160.3(a)(2B	Supply Air Temp. Reset 140.4(f) & 170.2(c)(4D	Window Interlocks per 140.4(n) & 170.2(c)(4D	Direct Digital Control (DDC) per 120.2
RTU-1	Multi-zone	<= 25,000 ft²	EMCS	EMCS	EMCS	EMCS	Included	NA: No operable windows	Provided
RTU-2	Single zone	<= 25,000 ft²	EMCS	EMCS	NA: Single Zone	EMCS	Included	NA: No operable windows	NA: Single Zone
RTU-3	Single zone	<= 25,000 ft²	EMCS	EMCS	NA: Single Zone	EMCS	NA: Single Zone	NA: No operable windows	Provided
RTU-4	Multi-zone	<= 25,000 ft²	EMCS	EMCS	EMCS	EMCS	Included	NA: No operable windows	Provided
RTU-5	Multi-zone	<= 25,000 ft²	EMCS	EMCS	EMCS	EMCS	Included	NA: No operable windows	Provided
RTU-6	Multi-zone	<= 25,000 ft²	EMCS	EMCS	EMCS	EMCS	Included	NA: No operable windows	Provided
RTU-7	Multi-zone	<= 25,000 ft²	EMCS	EMCS	EMCS	EMCS	Included	NA: No operable windows	Provided
RTU-8	Single zone	<= 25,000 ft²	EMCS	EMCS	NA: Single Zone	EMCS	NA: Single Zone	NA: No operable windows	Provided
RTU-9	Multi-zone	<= 25,000 ft²	EMCS	EMCS	EMCS	EMCS	Included	NA: No operable windows	Provided

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J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)(3B 140.4(p) and 140.4(q) for all nonresidential and hotel/motel and 144(e)(n)(k)(1)160.2, 160.3(a)(10), 170.2(c)(4N), 170.2(c)(4O) for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet.

01	02	03
01	<input type="checkbox"/>	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	<input checked="" type="checkbox"/>	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
03	<input type="checkbox"/>	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)(2).
Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems		
System Name		
RTU-1		
System Design OA CFM Airflow¹		
245		
System Design Transfer Air CFM		
0		
Air Filtration per 120.1(c) 141.0(b)(2) and 160.2(c)(2)¹		
Provided		
08		
09		
10		
11		
12		
13		
14		
15		
16		
Mechanical Ventilation Required per 120.1(c)(3)³ & 160.2(c)(3		
Exh. Vent per 120.1(c)(4 & 160.2(c)(4		
Space Name or Item Tag		
Occupancy Type⁴		
Conditioned Floor Area (ft²)		
# of Shower heads/ toilets		
# of people⁵		
Required Min OA CFM		
Required Min CFM		
Provided per Design CFM		
DISPATCH CENTER 109		
Computer (not printing)		
505		
4		
60		
DCV		
NA: Area < 150ft² or design occupancy < 10 people		
Occ Sensor		
NA: Not required space type		
BREAK ROOM 110		
Break room		
132		
6		
90		
DCV		
NA: Not required per §120.1(d)(3		
Occ Sensor		
NA: Not required space type		

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J. VENTILATION AND INDOOR AIR QUALITY

01	02	03	04	05	06	07
SUPERVISOR OFFICE 108	Office space	150	2	30		DCV
						NA: Area < 150ft² or design occupancy < 10 people
						Occ Sensor
						NA: Not required space type
LIVE SCAN 105	Office space	113	2	30		DCV
						NA: Area < 150ft² or design occupancy < 10 people
						Occ Sensor
						NA: Not required space type
RECORDS 104	Office space	115	2	30		DCV
						NA: Area < 150ft² or design occupancy < 10 people
						Occ Sensor
						NA: Not required space type
17	Total System Required Min OA CFM		240	18	Ventilation for this System Complies?	
	04		05	06	07	
System Name		RTU-2	System Design OA CFM Airflow¹	200	System Design Transfer Air CFM	0
						Air Filtration per 120.1(c) 141.0(b)(2) and 160.2(c)(2)¹
						Provided
08	09	10	11	12	13	14
Space Name or Item Tag		Mechanical Ventilation Required per 120.1(c)(3)³ & 160.2(c)(3			Exh. Vent per 120.1(c)(4 & 160.2(c)(4	
		Occupancy Type⁴	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people⁵	Required Min OA CFM
						Required Min CFM
						Provided per Design CFM
						DCV or Sensor Controls per 120.1(d)(3, 120.1(d)(5, and 120.1(e)(3)³ 160.2(c)(5D 160.2(c)(5E 160.2(c)(5D
17	Total System Required Min OA CFM		240	18	Ventilation for this System Complies?	
	04		05	06	07	
System Name		RTU-3	System Design OA CFM Airflow¹	1200	System Design Transfer Air CFM	0
						Air Filtration per 120.1(c) 141.0(b)(2) and 160.2(c)(2)¹
						Provided
08	09	10	11	12	13	14
Space Name or Item Tag		Mechanical Ventilation Required per 120.1(c)(3)³ & 160.2(c)(3			Exh. Vent per 120.1(c)(4 & 160.2(c)(4	
		Occupancy Type⁴	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people⁵	Required Min OA CFM
						Required Min CFM
						Provided per Design CFM
						DCV or Sensor Controls per 120.1(d)(3, 120.1(d)(5, and 120.1(e)(3)³ 160.2(c)(5D 160.2(c)(5E 160.2(c)(5D
17	Total System Required Min OA CFM		1200	18	Ventilation for this System Complies?	
	04		05	06	07	
System Name		RTU-4	System Design OA CFM Airflow¹	415	System Design Transfer Air CFM	0
						Air Filtration per 120.1(c) 141.0(b)(2) and 160.2(c)(2)¹
						Provided

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J. VENTILATION AND INDOOR AIR QUALITY

01	02	03	04	05	06	07
LOBBY 100	Lobbies	357	3	178.5		DCV
						NA: Area < 150ft² or design occupancy < 10 people
						Occ Sensor
						NA: Not required space type
CIRCULATION 111	Corridor	475	1	15		DCV
						NA: Area < 150ft² or design occupancy < 10 people
						Occ Sensor
						NA: Not required space type
17	Total System Required Min OA CFM		193.5	18	Ventilation for this System Complies?	
	04		05	06	07	
System Name		RTU-3	System Design OA CFM Airflow¹	1200	System Design Transfer Air CFM	0
						Air Filtration per 120.1(c) 141.0(b)(2) and 160.2(c)(2)¹
						Provided
08	09	10	11	12	13	14
Space Name or Item Tag		Mechanical Ventilation Required per 120.1(c)(3)³ & 160.2(c)(3			Exh. Vent per 120.1(c)(4 & 160.2(c)(4	
		Occupancy Type⁴	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people⁵	Required Min OA CFM
						Required Min CFM
						Provided per Design CFM
						DCV or Sensor Controls per 120.1(d)(3, 120.1(d)(5, and 120.1(e)(3)³ 160.2(c)(5D 160.2(c)(5E 160.2(c)(5D
17	Total System Required Min OA CFM		1200	18	Ventilation for this System Complies?	
	04		05	06	07	
System Name		RTU-4	System Design OA CFM Airflow¹	415	System Design Transfer Air CFM	0
						Air Filtration per 120.1(c) 141.0(b)(2) and 160.2(c)(2)¹
						Provided

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J. VENTILATION AND INDOOR AIR QUALITY

08	09	10	11	12	13	14	15	16
Space Name or Item Tag	Occupancy Type⁴	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people⁵	Required Min OA CFM	Required Min CFM	Provided per Design CFM	DCV or Sensor Controls per 120.1(d)(3, 120.1(d)(5, and 120.1(e)(3)³ 160.2(c)(5D 160.2(c)(5E 160.2(c)(5D
SERGEANT OFFICE 134	Office space	300		4	60			DCV
								NA: Area < 150ft² or design occupancy < 10 people
								Occ Sensor
								NA: Not required space type
DET. SERGEANTS 135	Office space	251		2	30			DCV
								NA: Area < 150ft² or design occupancy < 10 people
								Occ Sensor
								NA: Not required space type
CONF/MAJOR CASE 136	Conference/ meeting	322		10	150			DCV
								NA: Area < 150ft² or design occupancy < 10 people
								Occ Sensor
								NA: Not required space type
OBSERV 137	Conference/ meeting	192		5	96			DCV
								NA: Area < 150ft² or design occupancy < 10 people
								Occ Sensor
								NA: Not required space type
OFFICE 138	Office space	106		2	30			DCV
								NA: Area < 150ft² or design occupancy < 10 people
								Occ Sensor
								NA: Not required space type

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J. VENTILATION AND INDOOR AIR QUALITY

01	02	03	04	05	06	07
OFFICE 139	Office space	106	2	30		DCV
						NA: Area < 150ft² or design occupancy < 10 people
						Occ Sensor
						NA: Not required space type
CIRCULATION 140	Corridor	437	1	15		DCV
						NA: Area < 150ft² or design occupancy < 10 people
						Occ Sensor
						NA: Not required space type
17	Total System Required Min OA CFM		411	18	Ventilation for this System Complies?	
	04		05	06	07	







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10/29/2025 1:11:44 PM

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Mechanical Systems

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name: McFarland Police Department

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Q. MANDATORY MEASURES DOCUMENTATION LOCATION

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

01	02
Compliance with Mandatory Measures documented through MCH	Plan sheet or construction document location
Mandatory Measures Note Block	
03	04
Mandatory Measure	Plan sheet or construction document location
Heating Equipment Efficiency per 110.1	M002
Cooling Equipment Efficiency per 110.1	M002
Furnace Standby Loss Control per 110.2(d)	N/A
Duct Insulation per 120.4	N/A
Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)	N/A
The air duct and plenum system is designed per 120.4(a)-(f)	Div.23 Specifications
Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2	N/A

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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CALIFORNIA ENERGY COMMISSION

Mechanical Systems

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Project Name: McFarland Police Department

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Date Prepared: 2025-07-22T20:45:10-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Lucas Pruett

Documentation Author Signature: [Signature]

Company: P2S Inc.

Signature Date: 07/22/2025

Address: 5000 E. Spring St.

City/State/Zip: Long Beach, CA 90815

CEA/HERS Certification Identification (if applicable):

Phone: 562-573-4352

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1, and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Scott Newman

Responsible Designer Signature: [Signature]

Company: P2S Inc.

Date Signed: 07/22/2025

Address: 5000 E. Spring St.

License: M39167

City/State/Zip: Long Beach, CA 90815

Phone: 562-497-2999

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CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

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Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

P2S ENG

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San Diego // San Jose // Seattle  
p2sinc.com

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY A Rozo  
APPROVED BY M Shen  
CHECKED BY S Newman  
DATE 10/29/2025

TITLE

TITLE 24  
COMPLIANCE  
FORMS

PROJECT NO. 50184767

M705

SHEET NO.  
P2S No. J25-0014







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MECHANICAL EQUIPMENT ELECTRICAL CONNECTION

MARK	DESCRIPTION	VOLTAGE	PHASE	HP	KW	MCA	DISCONNECT	FUSE	FEEDER	PANEL	CIRCUIT	BASE BID	BID ALT A	REMARKS
CP-1	CIRCULATION PUMP	120	1	-	0.22	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M2	19	YES	YES	3
CP-2	CIRCULATION PUMP	120	1	-	0.22	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M2	21	YES	NO	3
CU-1	CONDENSING UNIT	208	1	-	-	15	-	30	3/4"C - 2#10 & 1#10 GND	2E1	26.30	YES	YES	2.4
CU-2	CONDENSING UNIT	208	1	-	-	15	-	30	3/4"C - 2#10 & 1#10 GND	2E1	15.17	YES	YES	2.4
EF-1	EXHAUST FAN	120	1	1/10	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	24	YES	YES	3
EF-2	EXHAUST FAN	120	1	1/4	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	21	YES	YES	3
EF-3	EXHAUST FAN	120	1	1	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	23	YES	YES	3
EF-4	EXHAUST FAN	120	1	1/15	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	21	YES	YES	3
EF-5	EXHAUST FAN	120	1	1/4	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	21	YES	YES	3
EF-6	EXHAUST FAN	120	1	1/4	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	24	YES	NO	3
EF-7	EXHAUST FAN	120	1	1/15	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	18	YES	NO	3
EF-8	EXHAUST FAN	120	1	1/4	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	20	YES	NO	3
EF-9	EXHAUST FAN	120	1	1	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	25	YES	NO	3
EF-10	EXHAUST FAN	120	1	1/15	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	18	YES	NO	3
EF-11	EXHAUST FAN	120	1	1/15	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	18	YES	NO	3
EF-12	EXHAUST FAN	120	1	1/2	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M1	22	YES	YES	3
EF-13	EXHAUST FAN	120	1	1	-	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2E1	13	YES	NO	3
EH-1	ELECTRIC HEATER	120	1	-	1.8	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2M2	39	YES	YES	3
EW-1	ELECTRIC WATER HEATER	208	3	-	27	-	-	100	1-1/2"C - 3 #1 & 1#8 GND	2M2	29.31.33	YES	YES	4
EW-2	ELECTRIC WATER HEATER	208	3	-	11	-	-	60	1"C - 3#6 & 1#8 GND	2M2	23.25.27	YES	NO	4
FC-1	FAN COIL UNIT	208	1	-	0.1	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2E1	28.30	YES	YES	1.2,3
FC-2	FAN COIL UNIT	208	1	-	0.1	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2E1	15.17	YES	YES	1.2,3
RTU-1	ROOFTOP UNIT	208	3	-	-	39	60	45	1-1/2"C - 3 #1 & 1#8 GND	2E1	1.3,5	YES	YES	4
RTU-1PE	ROOFTOP UNIT POWER EXHAUST	208	3	-	-	4.9	30	15	3/4"C - 3#10 & 1#10 GND	2E1	7.9.11	YES	YES	4.5
RTU-2	ROOFTOP UNIT	208	3	-	-	34	60	40	1"C - 3#6 & 1#8 GND	2M1	1.3,5	YES	YES	4
RTU-2PE	ROOFTOP UNIT POWER EXHAUST	208	3	-	-	4.9	30	15	3/4"C - 3#10 & 1#10 GND	2M1	7.9.11	YES	YES	4.5
RTU-3	ROOFTOP UNIT	208	3	-	-	79	100	80	2"C - 3#2 & 1#8 GND	2E1	2.4,6	YES	YES	4
RTU-3PE	ROOFTOP UNIT POWER EXHAUST	208	3	-	-	8	30	15	3/4"C - 3#10 & 1#10 GND	2E1	8.10.12	YES	YES	4.5
RTU-4	ROOFTOP UNIT	208	3	-	-	44	60	50	1"C - 3#6 & 1#8 GND	2M1	2.4,6	YES	YES	4
RTU-4PE	ROOFTOP UNIT POWER EXHAUST	208	3	-	-	4.9	30	15	3/4"C - 3#10 & 1#10 GND	2M1	8.10.12	YES	YES	4.5
RTU-5	ROOFTOP UNIT	208	3	-	-	34	60	40	1"C - 3#6 & 1#8 GND	2M2	1.3,5	YES	YES	4
RTU-5PE	ROOFTOP UNIT POWER EXHAUST	208	3	-	-	4.9	30	15	3/4"C - 3#10 & 1#10 GND	2M2	7.9.11	YES	YES	4.5
RTU-6	ROOFTOP UNIT	208	3	-	-	52	60	60	1"C - 3#6 & 1#8 GND	2M2	2.4,6	YES	YES	4
RTU-6PE	ROOFTOP UNIT POWER EXHAUST	208	3	-	-	4.9	30	15	3/4"C - 3#10 & 1#10 GND	2M2	8.10.12	YES	YES	4.5
RTU-7	ROOFTOP UNIT	208	3	-	-	44	60	50	1"C - 3#6 & 1#8 GND	2M2	13.15.17	YES	YES	4
RTU-7PE	ROOFTOP UNIT POWER EXHAUST	208	3	-	-	4.9	30	15	3/4"C - 3#10 & 1#10 GND	2M2	14.16.18	YES	YES	4.5
RTU-8	ROOFTOP UNIT	208	1	-	-	40	60	40	1"C - 2#6 & 1#8 GND	2M1	13.15	YES	NO	4
RTU-8PE	ROOFTOP UNIT POWER EXHAUST	208	1	-	-	3.9	30	15	3/4"C - 2#10 & 1#8 GND	2M1	17.19	YES	NO	4.5
RTU-9	ROOFTOP UNIT	208	1	-	-	40	60	40	1"C - 2#6 & 1#8 GND	2M1	14.16	YES	NO	4
RTU-9PE	ROOFTOP UNIT POWER EXHAUST	208	1	-	-	3.9	30	15	3/4"C - 2#10 & 1#10 GND	2M1	17.19	YES	NO	4.5
VOU-1	CONDENSING UNIT	208	3	-	-	36.4	60	40	1"C - 3#6 & 1#8 GND	2E2	29.31.33	YES	YES	2.4
VFC-1	FAN COIL UNIT	208	1	-	0.1	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2E2	25.27	YES	YES	2.3
VFC-2	FAN COIL UNIT	208	1	-	0.1	-	TOGGLE	-	3/4"C - 2#10 & 1#10 GND	2E2	25.27	YES	YES	2.3

GENERAL NOTES:

- CONTROL WIRING BY RESPECTIVE TRADE.
- FINAL CONNECTIONS TO ALL VIBRATING AND MOVEABLE EQUIPMENT SHALL HAVE A MAXIMUM OF 2 FEET LIQUID-TIGHT, FLEXIBLE RACEWAY.
- HARDWARE AND DEVICES AT EXTERIOR AND IN DAMP ENVIRONMENTS SHALL BE WEATHERPROOF; NEMA-3R MINIMUM.
- COORDINATE WITH MECHANICAL, PLUMBING, AND FIRE ALARM TRADES FOR ADDITIONAL EQUIPMENT AND DEVICES REQUIRING POWER.
- PRE-COORDINATE WITH MECHANICAL VENDOR TO PROVIDE EQUIPMENT WITH SCOR RATING EXCEEDING AVAILABLE FAULT CURRENT.

NOTES:

- CIRCUIT FAN COIL FROM RESPECTIVE OUTDOOR CONDENSER.
- PROVIDE ADDITIONAL 3/4" CONDUIT FOR CONTROL CABLING. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE LOCAL, MOTOR-RATED TOGGLE DISCONNECT SWITCH WITH LOCK TAB. COORDINATE SIZE/RATING WITH MECHANICAL TRADES.
- PROVIDE LOCAL, FUSED DISCONNECT FOR CIRCUIT PER INDICATED SIZES. PRECOORDINATE WITH CONTROLS CONTRACTOR FOR ADDITIONAL PROVISIONS.
- PROVIDE SEPARATE DISCONNECTING MEANS FOR RTU POWER EXHAUST.
- PROVIDE 120V CONNECTION TO SERVE CONDENSATE PUMP FROM CIRCUIT FEEDING UNIT. INCLUDE NEUTRAL WIRE TO ACCOMMODATE CONNECTION.

LIGHT FIXTURES

TYPE	FIXTURE DESCRIPTION	MANUFACTURER & MODEL	TOTAL V-A	LAMP TYPE	LUMENS	COLOR TEMP	CRI	VOLTAGE	MTG
A1	2X4 RECESSED TROFFER	MARK LIGHTING #WHSPR-2X4-80CRI-40K-400LM-MINI-MVOLT-SWC-NLIGHT	31	LED	4000L	4000K	80	UNV	R
A2	2X2 RECESSED TROFFER	MARK LIGHTING #WHSPR-2X2-80CRI-40K-350LM-MINI-MVOLT-SWC-NLIGHT	28	LED	3500L	4000K	80	UNV	R
C1	6" WIDE RECESSED LINEAR	MARK LIGHTING #SL6L-LOP-FLP-80CRI-40K-600LMF-MINI-120-NLIGHT	6/FT	LED	6000/FT	4000K	80	120V	S
C2	1'X4 SURFACE MOUNTED VANDAL RESISTANT	REXALL #SDA-4-1-48L-40K-DCC-DV-4-1-LEL	46	LED	4500L	4000K	80	UNV	S
P1	4" WIDE SUSPENDED LINEAR	MARK LIGHTING #S4PD-LLP-MSLB-80CRI-40K-600LMF-SCT-MINI-FLL-MVOLT-NLIGHT	4.7/FT	LED	6000/FT	4000K	80	UNV	P
P1A	4" WIDE SUSPENDED LINEAR BATWING	MARK LIGHTING #S4PD-LLP-MSLB-80CRI-40K-1200LMF-DBW-SCT-MINI-FLL-MVOLT-NLIGHT	10/FT	LED	12000/FT	4000K	80	UNV	P
P2	4' SUSPENDED STRIP LIGHT - 4000LM	LITHONIA #CLX-L48-4000LM-SEF-FDL-MVOLT-EZ1-40K-80CRI-N100-ZACVHM100	25.5	LED	4000L	4000K	80	UNV	P
P3	4' SUSPENDED STRIP LIGHT - 7000LM	LITHONIA #CLX-L48-7000LM-SEF-FDL-MVOLT-EZ1-40K-80CRI-N100-ZACVHM100	46.6	LED	7000L	4000K	80	UNV	P
R1	6" DIA. RECESSED DOWNLIGHT	GOTHAM #EVO6-40/15-AR-LSS-MWD-MVOLT-GZ1-NLT	14.7	LED	1500L	4000K	80	UNV	R
R2	6" DIA. RECESSED DOWNLIGHT	GOTHAM #EVO6-40/07-AR-LSS-MWD-MVOLT-GZ1-NLT	8.2	LED	750L	4000K	80	UNV	R
R3	4" DIA. RECESSED DOWNLIGHT	GOTHAM #EVO4-40/07-AR-LSS-MWD-MVOLT-GZ1-NLT	8.2	LED	750L	4000K	80	UNV	R
S1	4' SURFACE STRIP LIGHT - 4000LM	LITHONIA #CLX-L48-4000LM-SEF-FDL-MVOLT-EZ1-40K-80CRI-N100	14.5	LED	4000L	4000K	80	UNV	S
W1	2' SQUARE VANITY	LITHONIA #FMVCSLS-24IN-MVOLT-40K-90CRI	17.9	LED	1500L	4000K	90	UNV	W
W2	4' SQUARE VANITY	LITHONIA #FMVCSLS-48IN-MVOLT-40K-90CRI	35.2	LED	3200L	4000K	90	UNV	W
W3	2' WALL STRIP LIGHT	LITHONIA #WL2-18L-MVOLT-EZ1-LP840-N100	17.5	LED	1800L	4000K	80	UNV	W
W4	4' WALL STRIP LIGHT	LITHONIA #WL4-40L-MVOLT-EZ1-LP840-N100	39.5	LED	4000L	4000K	80	UNV	W
W5	WALL SCONCE	EUREKA #3455-KDB-2XLED-9-40-90-120V-CFR	16	LED	-	4000K	80	120V	W
X1	EXIT SIGN	LITHONIA #EDGR-1-G-GMR-EL	4.5	LED	-	4000K	80	UNV	-
ZP1	POLE LIGHT WITH TYPE II DISTRIBUTION WITH 20' POLE	CREE #OSQ-M-C-9L-2M-JL-DA-SV-O9-N POLE: LITHONIA #SSS-IG-DM19AS	55	LED	9200L	4000K	70	UNV	PO
ZP2	POLE LIGHT WITH TYPE V DISTRIBUTION WITH 20' POLE	CREE #OSQ-M-C-9L-2M-JL-DA-SV-O9-N POLE: LITHONIA #SSS-IG-DM19AS	55	LED	9900L	4000K	70	UNV	PO
ZW1	WALL PACK	LITHONIA #WDGE2LED-P1-40K-80CRI-VF-MVOLT-SRM	13	LED	1200L	4000K	80	UNV	W
ZW2	WALL PACK	LITHONIA #TWX2-P1-40K-MVOLT	23	LED	3250L	4000K	80	UNV	W

GENERAL NOTES:

- VERIFY ALL FINISHES WITH ARCHITECT.
- PROVIDE ALL NECESSARY COMPONENTS AS REQUIRED FOR A COMPLETE INSTALLATION. REFER TO ARCHITECT DRAWINGS FOR CEILING TYPE.
- EXIT SIGNS SHALL BE WIRED AHEAD OF LIGHTING CONTROL DEVICES TO ENSURE EXIT SIGNS ARE ILLUMINATED INDEPENDENTLY OF LIGHTING CONTROLS.
- COORDINATE WITH ARCHITECTURAL DESIGN AND CARPENTRY TRADES FOR CEILINGS, FINISHES, MOUNTING TYPE, AND ADDITIONAL DETAILS.
- PRE-COORDINATE LOCATION OF REMOTE DRIVERS WITH GC AND ARCHITECTURAL APPROVAL PRIOR TO INSTALLATION.
- UN, MOUNT PENDANT FIXTURES SUCH THAT BOTTOM IS APPROXIMATELY AT 8'-0" AFF. LEVEL CONSISTENTLY WITHIN SPACE. INCLUDE MANUFACTURERS AIRCRAFT CABLE FOR MOUNTING. FIELD VERIFY NECESSARY LENGTH.
- PROVIDE INTEGRAL 90-MINUTE BATTERY FOR ALL EMERGENCY FIXTURES.

ABBREVIATIONS:

P = PENDANT  
PO = POLE  
R = RECESSED  
S = SURFACE  
UNV = UNIVERSAL  
W = WALL

LIGHTING CONTROL RELAY PANEL "LCP"

RELAY NO	PANEL AND CIRCUIT	LOAD DESCRIPTION	MOTION SENSOR	DIMMING	TIMECLOCK	REMARKS
R1	2L1-8	LTG EXTERIOR SOUTH BLDG	N	Y	Y	-
R2	2L1-8	LTG EXTERIOR SOUTH LOT	Y	Y	Y	-
R3	2L1-9	LTG EXTERIOR NORTH BLDG	N	Y	Y	-
R4	2L1-9	LTG EXTERIOR NORTH LOT	Y	Y	Y	-
R5	2L1-8	ILLUMINATED MONUMENT SIGN	N	Y	Y	-
R6	-	-	-	-	-	-
R7	-	-	-	-	-	-
R8	-	-	-	-	-	-
R9	-	-	-	-	-	-
R10	-	-	-	-	-	-
R11	-	-	-	-	-	-
R12	-	-	-	-	-	-
R13	-	-	-	-	-	-
R14	-	-	-	-	-	-
R15	-	-	-	-	-	-
R16	-	-	-	-	-	-

GENERAL NOTES:

2. PROVIDE PROGRAMMING AND COMMISSIONING OF EQUIPMENT. PROGRAM TIME-CLOCK AND SET DIMMING LEVELS WITH CLIENT.



Dewberry Architects Inc.

8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

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100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY C Arranaga  
APPROVED BY C Arranaga  
CHECKED BY L Henderson  
DATE 10/29/2025

TITLE

SCHEDULES

PROJECT NO. 50184767

E002

SHEET NO.

P2S No. J25-0014





NO.	DESCRIPTION	DATE

DRAWN BY C Arranaga  
APPROVED BY C Arranaga  
CHECKED BY L Henderson  
DATE 10/29/2025

PANEL SCHEDULES

PANEL: 2L1		LOCATION: ELEC. 161	VOLTAGE/PHASE: 120/208 WYE,3PH,4W		FED FROM: MSA										
FLOOR: FIRST FLOOR		BUS AMPS: 225 A		RATING:											
MOUNTING: SURFACE		MAIN BREAKER: MLO													
CKT	TYPE	LOAD	BKR/POLE	A	B	C	A	B	C	BKR/POLE	LOAD	TYPE	CKT		
1		LTG RMS 118-22, 134-9, 141-3	20 A	1	1108 VA				1316 VA	1	20 A	LTG RMS 112-5, 123-30	2		
3		LTG RMS 100-104	20 A	1	354 VA				1224 VA	1	20 A	LTG CORR 111, 117, 140	4		
5		LTG RMS 144-62	20 A	1				1370 VA		200 VA	1	20 A	LTG CTRL PANEL	6	
7		LTG RELAY PANEL LCP	20 A	1	200 VA				891 VA	1	20 A	LTG EXTERIOR SOUTH	8		
9		LTG EXTERIOR NORTH	20 A	1	784 VA				0 VA	1	20 A	SPARE	10		
11	--	SPARE	20 A	1			0 VA			0 VA	1	20 A	SPARE	12	
13	--	SPARE	20 A	1	0 VA				0 VA	1	20 A	SPARE	14		
15	--	SPARE	20 A	1		0 VA				1	--	SPACE	--	16	
17	--	SPACE	--	1			--			--	1	--	SPACE	--	18
19	--	SPACE	--	1	--		--			--	1	--	SPACE	--	20
21	--	SPACE	--	1			--			--	1	--	SPACE	--	22
23	--	SPACE	--	1			--			--	1	--	SPACE	--	24
25	--	SPACE	--	1	--		--			--	1	--	SPACE	--	26
27	--	SPACE	--	1		--	--		--	--	1	--	SPACE	--	28
29	--	SPACE	--	1		--	--			--	1	--	SPACE	--	30
31	--	SPACE	--	1	--		--		--	1	--	SPACE	--	32	
33	--	SPACE	--	1		--	--		--	1	--	SPACE	--	34	
35	--	SPACE	--	1		--	--		--	1	--	SPACE	--	36	
37	--	SPACE	--	1	--		--		--	1	--	SPACE	--	38	
39	--	SPACE	--	1		--	--		--	1	--	SPACE	--	40	
41	--	SPACE	--	1		--	--		--	1	--	SPACE	--	42	
LOAD TYPE KEY:															
N=NON CONTINUOUS			M=MECH EQUIP			TOTAL A: 3515 VA			30 A						
P=POWER			R=RECEPTACLE			TOTAL B: 2363 VA			21 A						
L=LIGHTING			K=KITCHEN			TOTAL C: 1570 VA			13 A						
LOAD TYPE		CONNECTED		DEMAND FACTOR		ESTIMATED		PANEL TOTALS							
L		6948 VA		125.00%		8684 VA									
R		0 VA		0.00%		0 VA									
P		100 VA		100.00%		100 VA		TOTAL CONNECTED LOAD:				7048 VA		20 A	
								TOTAL DEMAND LOAD:				8784 VA		24 A	

PANEL: 2M2		LOCATION: ELEC. 161	VOLTAGE/PHASE: 120/208 WYE,3PH,4W	FED FROM: MSA										
FLOOR: FIRST FLOOR		FLOOR: FIRST FLOOR	BUS AMPS: 400 A	RATING:										
MOUNTING: SURFACE		MOUNTING: SURFACE	MAIN BREAKER: MLO											
CKT	TYPE	LOAD	BKR/POLE	A	B	C	A	B	C	BKR/POLE	LOAD	TYPE	CKT	
1	AIR COND RTU-5		60 A	3	4080 VA		6240 VA		3	60 A	AIR COND RTU-6	--	2	
3	--	--	--	--	4080 VA			6240 VA	--	--	--	--	4	
5	--	--	--	--	4080 VA			6240 VA	--	--	--	--	6	
7	AIR COND EXHAUST RTU-5PE		30 A	3	588 VA		588 VA		3	30 A	AIR COND EXHAUST RTU-6PE	--	8	
9	--	--	--	--	588 VA			588 VA	--	--	--	--	10	
11	--	--	--	--		588 VA			588 VA	--	--	--	12	
13	AIR COND RTU-7		60 A	3	5280 VA		588 VA		3	30 A	AIR COND EXHAUST RTU-7PE	--	14	
15	--	--	--	--		5280 VA		588 VA	--	--	--	--	16	
17	--	--	--	--		5280 VA		588 VA	--	--	--	--	18	
19	CIRC PUMP CP-1 W.H. 115		20 A	1	216 VA		750 VA		2	30 A	DOOR MOTOR SALLY-PORT 160	--	20	
21	CIRC PUMP CP-2		20 A	1	216 VA			750 VA	--	--	--	--	22	
23	WATER HEATER EWH-2 W.H.....		40 A	3		3667 VA		750 VA	2	30 A	DOOR MOTOR SALLY-PORT 160	--	24	
25	--	--	--	--	3667 VA			750 VA	--	--	--	--	26	
27	--	--	--	--		3667 VA		80 VA	1	20 A	VWT/SFD HOLDING	--	28	
29	WATER HEATER EWH-1 W.H.....		100 A	3		9000 VA		40 VA	1	20 A	TRAP PRIMERS HOLDING	--	30	
31	--	--	--	--	9000 VA		300 VA		1	20 A	PASS THRU BAG TAG 144	--	32	
33	--	--	--	--		9000 VA		0 VA	1	20 A	SPARE	--	34	
35	ELEC HEATER EH-1 RM 114		20 A	1		1800 VA		0 VA	1	20 A	SPARE	--	36	
37	-- SPARE		20 A	1	0 VA		0 VA		1	20 A	SPARE	--	38	
39	-- SPARE		20 A	1		0 VA		0 VA	1	20 A	SPARE	--	40	
41	-- SPARE		20 A	1			0 VA		--	1	--	SPACE	--	42
43	-- SPARE		--	1	--		--		1	--	SPACE	--	44	
45	-- SPACE		--	1	--		--		1	--	SPACE	--	46	
47	-- SPACE		--	1		--	--		--	1	--	SPACE	--	48
49	-- SPACE		--	1	--		--		1	--	SPACE	--	50	
51	-- SPACE		--	1	--		--		1	--	SPACE	--	52	
53	-- SPACE		--	1	--	--	--		--	1	--	SPACE	--	54
55	-- SPACE		--	1	--		--		1	--	SPACE	--	56	
57	-- SPACE		--	1	--		--		1	--	SPACE	--	58	
59	-- SPACE		--	1	--	--	--		--	1	--	SPACE	--	60
LOAD TYPE KEY:														
N=NON CONTINUOUS			M=MECH EQUIP			TOTAL A: 32047 VA			268 A					
P=POWER			R=RECEPTACLE			TOTAL B: 31077 VA			259 A					
L=LIGHTING			K=KITCHEN			TOTAL C: 32621 VA			273 A					
LOAD TYPE		CONNECTED		DEMAND FACTOR		ESTIMATED		PANEL TOTALS						
M		92324 VA		100.00%		92324 VA								
P		3420 VA		100.00%		3420 VA								
								TOTAL CONNECTED LOAD:			95744 VA		266 A	
								TOTAL DEMAND LOAD:			95744 VA		266 A	

PANEL: MSA

LOCATION: ELEC. 161

FLOOR: FIRST FLOOR

MOUNTING: FLOOR

VOLTAGE/PHASE: 120/208 WYE,3PH,4W

BUS AMPS: 1200 A

MAIN BREAKER: 1200 A

FED FROM:

RATING:

LOAD DESCRIPTION		LOAD	AMPS
PANEL 2R1		26100 VA	72 A
PANEL 2R2		26700 VA	74 A
PANEL 2EV1		43200 VA	120 A
PANEL 2L1		7448 VA	21 A
PANEL 2M1		72280 VA	201 A
PANEL 2M2		95744 VA	266 A
PANEL 2E1 (VIA ATS1)		103292 VA	287 A

LOAD TYPE	CONNECTED	DEMAND FACTOR	ESTIMATED	PANEL TOTALS		
L	8477 VA	125.00%	10597 VA			
R	74940 VA	56.67%	42470 VA			
C	43200 VA	125.00%	54000 VA			
M	217916 VA	100.00%	217916 VA			
P	29730 VA	100.00%	29730 VA			
				TOTAL CONN. LOAD: 374263 VA		
				TOTAL DEMAND LOAD: 354713 VA		

PANEL: 2R2		LOCATION: ELEC. 161	VOLTAGE/PHASE: 120/208 WYE,3PH,4W		FED FROM: MSA											
FLOOR: FIRST FLOOR			BUS AMPS: 225 A		RATING:											
MOUNTING: SURFACE			MAIN BREAKER: MLO													
CKT	TYPE	LOAD	BKR/POLE	A	B	C	A	B	C	BKR/POLE	LOAD	TYPE	CKT			
1		REC BREAK RM 117	20 A	1	720 VA		180 VA			1	20 A	REC BREAK RM 117	2			
3		REC BREAK RM 117	20 A	1	180 VA			1000 VA		1	20 A	REC BREAK RM 117	7			
5		P BREAK RM 117	20 A	1		0 VA			500 VA	1	20 A	REC BREAK RM 117	6			
7		REC BREAK RM 117	20 A	1	1000 VA		180 VA			1	20 A	REC SITE COMMAND	8			
9		STOVE BREAK RM 117	50 A	2		4000 VA		750 VA		2	30 A	REC SITE COMMAND	10			
11	--	--	--	--			4000 VA			750 VA	--	--	--	12		
13		REC FITNESS-1 116-1	20 A	1	900 VA		750 VA			2	30 A	REC SITE COMMAND	14			
15		REC EQUIP FITNESS-1 116-1	20 A	1		600 VA		750 VA		--	--	--	--	16		
17		REC EQUIP FITNESS-1 116-1	20 A	1			600 VA		1000 VA	1	20 A	SITE NW GATE	18			
19		REC EQUIP FITNESS-1 116-1	20 A	1		600 VA		1000 VA		1	20 A	SITE SE GATE	20			
21		REC EQUIP FITNESS-1 116-1	20 A	1		600 VA		1080 VA		1	20 A	R OUTDOOR	22			
23		REC EQUIP FITNESS-1 116-1	20 A	1			600 VA		360 VA	1	20 A	REC ROOF	24			
25		REC EQUIP FITNESS-1 116-1	20 A	1		600 VA		720 VA		1	20 A	R OUTDOOR	26			
27		REC EQUIP FITNESS-1 116-1	20 A	1		600 VA			540 VA	1	20 A	REC ROOF	28			
29		REC EQUIP FITNESS-1 116-1	20 A	1			600 VA		0 VA	1	20 A	SPARE	--	30		
31		REC DRINK FITNESS-1 116-1	20 A	1		1180 VA		0 VA		1	20 A	SPARE	--	32		
33		REC FIRE RISER 114, FIT 116	20 A	1		360 VA			0 VA	1	20 A	SPARE	--	34		
35	--	SPARE	20 A	1			0 VA			--	1	SPACE	--	36		
37	--	SPARE	20 A	1		0 VA		--		1	--	SPACE	--	38		
39	--	SPARE	20 A	1			0 VA		--	1	--	SPACE	--	40		
41	--	SPARE	20 A	1			0 VA		--	1	--	SPACE	--	42		
43	--	SPACE	--	1	--			--		1	--	SPACE	--	44		
45	--	SPACE	--	1	--	--		--		1	--	SPACE	--	46		
47	--	SPACE	--	1		--	--		--	1	--	SPACE	--	48		
49	--	SPACE	--	1	--		--	--		1	--	SPACE	--	50		
51	--	SPACE	--	1	--	--		--	--	1	--	SPACE	--	52		
53	--	SPACE	--	1	--	--	--	--		1	--	SPACE	--	54		
55	--	SPACE	--	1	--	--	--	--		1	--	SPACE	--	56		
57	--	SPACE	--	1	--	--	--	--	--	1	--	SPACE	--	58		
59	--	SPACE	--	1	--	--	--	--	--	1	--	SPACE	--	60		
LOAD TYPE KEY:																
N=NON CONTINUOUS		M=MECH EQUIP		TOTAL A:		7830 VA		65 A								
P=POWER		R=RECEPTACLE		TOTAL B:		10460 VA		88 A								
L=LIGHTING		K=KITCHEN		TOTAL C:		8410 VA		71 A								
LOAD TYPE		CONNECTED		DEMAND FACTOR		ESTIMATED		PANEL TOTALS								
R		16700 VA		79.94%		13350 VA										
P		10000 VA		100.00%		10000 VA										
												TOTAL CONNECTED LOAD:		26700 VA		
												TOTAL DEMAND LOAD:		23350 VA		74 A
														65 A		





## KEY PLAN

SCALE

## REVISIONS

[illegible]

NO.	DESCRIPTION	DATE
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DRAWN BY C Arranaga

APPROVED BY C Arranaga

CHECKED BY I. Henderson

DATE 10/29/2025

**TITLE**

## PANEL SCHEDULES

PROJECT NO.	5018476
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# E004

SHEET NO.

P2S No. J25-0014

PANEL: 2E2

LOCATION: SERVER 107

FLOOR: FIRST FLOOR

MOUNTING: SURFACE

VOLTAGE/PHASE: 120/208 WYE,3PH,4W

BUS AMPS: 225 A

MAIN BREAKER: 225 A

FED FROM: 2E1

RATING:

CKT	TYPE	LOAD	BKRP/POLE	A	B	C	A	B	C	BKRP/POLE	LOAD	TYPE	CKT
1	REC	GARBAGE DISPOSAL RM...	20 A	1	1000 VA		485 VA			1	20 A	LTG DISPATCH	2
3	REC	BREAK RM 110	20 A	1	180 VA			664 VA		1	20 A	LTG COMMUNITY RM. EOC 101	4
5	REC	CON BREAK RM 110	20 A	1		180 VA			720 VA	1	20 A	REC COMMUNITY RM. E.O.C...	6
7	REC	BREAK RM 110	20 A	1	360 VA		680 VA			1	20 A	REC COMMUNITY RM. E.O.C...	8
9	REC	REF BREAK RM 110	20 A	1	500 VA			540 VA		1	20 A	REC COMMUNITY RM. E.O.C...	10
11	REC	COFFEE MACHINE RM 110	20 A	1		1000 VA			360 VA	1	20 A	REC COMMUNITY RM. E.O.C...	12
13	REC	MICROWAVE BREAK RM...	20 A	1	1000 VA		360 VA			1	20 A	P COMMUNITY RM. E.O.C 101	14
15	REC	BREAK RM 110	20 A	1	180 VA			720 VA		1	20 A	REC COMMUNITY RM. E.O.C...	16
17	DESK	DISPATCH 109	20 A	1		400 VA			180 VA	1	20 A	REC COMMUNITY RM. E.O.C...	18
19	DESK	DISPATCH 109	20 A	1	400 VA		720 VA			1	20 A	REC SERVER 107	20
21	DESK	DISPATCH 109	20 A	1		400 VA		1500 VA		2	20 A	REC 6-30R SERVER 107	22
23	DESK	DISPATCH 109	20 A	1		400 VA			1500 VA	--	--	--	24
25	VFC 1&2		20 A	2	100 VA		500 VA			1	20 A	REC SERVER 107	26
27	--	--	--	--	100 VA			1500 VA		2	20 A	REC 6-30R SERVER 107	28
29	VCLU-1		60 A	3		3933 VA			1500 VA	--	--	--	30
31	--	--	--	--	3933 VA		500 VA			1	20 A	REC SERVER 107	32
33	--	--	--	--	3933 VA			1500 VA		2	20 A	REC 6-30R SERVER 107	34
35	--	VWT 110	20 A	1		60 VA			1500 VA	--	--	--	36
37	--	SPARE	20 A	1	0 VA		500 VA			1	20 A	REC SERVER 107	38
39	--	SPARE	20 A	1	0 VA			1500 VA		2	20 A	REC 6-30R SERVER 107	40
41	--	SPARE	20 A	1		0 VA			1500 VA	--	--	--	42
43	--	SPACE	--	1	--		500 VA			1	20 A	REC SERVER 107	44
45	--	SPACE	--	1	--			720 VA		1	20 A	REC CON SUP OFFICE 108	46
47	--	SPACE	--	1		--			0 VA	1	20 A	SPARE	48
49	--	SPACE	--	1	--		0 VA			1	20 A	SPARE	50
51	--	SPACE	--	1	--			0 VA		1	20 A	SPARE	52
53	--	SPACE	--	1		--			--	1	--	SPACE	54
55	--	SPACE	--	1	--		--			1	--	SPACE	56
57	--	SPACE	--	1		--		--		1	--	SPACE	58
59	--	SPACE	--	1		--		--		1	--	SPACE	60

LOAD TYPE KEY:

N=NON CONTINUOUS

M=MECH EQUIP

P=POWER

L=LIGHTING

TOTAL A:

TOTAL B:

TOTAL C:

11039 VA

19397 VA

13233 VA

92 A

119 A

113 A

LOAD TYPE		CONNECTED	DEMAND FACTOR	ESTIMATED	PANEL TOTALS	
L		1149 VA	125.00%	1437 VA		
R		24500 VA	70.41%	17250 VA		
M		12000 VA	100.00%	12000 VA	TOTAL CONNECTED LOAD:	38209 VA
P		560 VA	100.00%	560 VA	TOTAL DEMAND LOAD:	31247 VA
						87 A

PANEL: 2E1

LOCATION: ELEC. 161

FLOOR: FIRST FLOOR

MOUNTING: SURFACE

VOLTAGE/PHASE: 120/208 WYE,3PH,4W

BUS AMPS: 400 A

MAIN BREAKER: 350A

FED FROM: MSA

RATING:

CKT	TYPE	LOAD	BKR/POLE	A	B	C	A	B	C	BKR/POLE	LOAD	TYPE	CKT
1	--	AIR COND RTU-1	60 A	3	4680 VA		9480 VA			3	100 A	AIR COND RTU-3	2
3	--	--	--	--	4680 VA		9480 VA			--	--	--	4
5	--	--	--	--		4680 VA		9480 VA		--	--	--	6
7	--	AIR COND EXHAUST RTU-1PE	30 A	3	588 VA		960 VA			3	30 A	AIR COND RTU-3PE	8
9	--	--	--	--	588 VA		960 VA			--	--	--	10
11	--	--	--	--		588 VA		960 VA		--	--	--	12
13	--	EXHAUST FAN EF-13	30 A	1	1680 VA		540 VA			1	20 A	R WEAPON 147	16
15	--	SPLIT SYS CU-2	30 A	2	1465 VA			500 VA		1	20 A	REC IDF 127	22
17	--	--	--	--		1465 VA			180 VA	1	20 A	REC 6-30R IDF 127	24
19	--	LTG RMS 127, 144-149, 161,	20 A	1	381 VA		720 VA			1	20 A	R EVID PROCESS 146	20
21	--	R SPACE 144 BAG & TAG	20 A	1		500 VA		540 VA		1	20 A	REC IDF 127	22
23	--	R SPACE 144 BAG & TAG	20 A	1		1080 VA			1500 VA	2	30 A	REC 6-30R IDF 127	24
25	--	REC IDF 127	20 A	1	200 VA		1500 VA			--	--	--	26
27	--	REC IDF 127	20 A	1	180 VA		1465 VA			2	30 A	SPLIT SYS CU/FC-1	28
29	--	REC IDF 127	20 A	1		500 VA		1465 VA		--	--	--	30
31	--	VAV PANEL IDF 127	20 A	1	400 VA		0 VA			1	20 A	SPACE	32
33	--	VAV PANEL IDF 127	20 A	1	400 VA			--		1	--	SPACE	34
35	--	GEN HEATER	20 A	1		1000 VA			--	1	--	SPACE	36
37	--	GEN CHARGER	20 A	1	300 VA		--			1	--	SPACE	38
39	--	GEN SPARE	20 A	1		0 VA		--		1	--	SPACE	40
41	--	SPARE	20 A	1		0 VA		--		1	--	SPACE	42
43	--	SPARE	20 A	1	0 VA		--			1	--	SPACE	44
45	--	SPARE	20 A	1	0 VA			--		1	--	SPACE	46
47	--	SPACE	--	1		--			--	1	--	SPACE	48
49	--	SPACE	--	1	--		--			1	--	SPACE	50
51	--	SPACE	--	1	--		--			1	--	SPACE	52
53	--	SPACE	--	1				--		1	--	SPACE	54
55	--	NOT USED	--	3	--		11039...			3	225 A	SUBFEED PANEL 2E2	56
57	--	--	--	--	--		13937...			--	--	--	58
59	--	--	--	--	--			13233...		--	--	--	60

LOAD TYPE KEY:						
N=NON CONTINUOUS		M=MECH ELEC		TOTAL A	32467 VA	271 A
P=POWER		R=RECEP TACLE		TOTAL B	34694 VA	292 A
L=LIGHTING		K=KITCHEN		TOTAL C	36130 VA	304 A
LOAD TYPE	CONNECTED	DEMAND FACTOR	ESTIMATED	PANEL TOTALS		
L	1530 VA	125.00%	1912 VA			
R	32240 VA	65.51%	21120 VA			
M	68762 VA	100.00%	68762 VA	TOTAL CONNECTED LOAD:	103292 VA	287 A
P	760 VA	100.00%	760 VA	TOTAL DEMAND LOAD:	92554 VA	257 A

PANEL: 2EVI

LOCATION: ELEC. 161

FLOOR: FIRST FLOOR

MOUNTING: SURFACE

VOLTAGE/PHASE: 120/208 WYE, 3PH,4W

BUS AMPS: 225 A

MAIN BREAKER: MLO

FED FROM: MSA

RATING:

CKT	TYPE	LOAD	BKFR/POLE	A	B	C	A	B	C	BKFR/POLE	LOAD	TYPE	CKT
1	--	EV CHARGER SOUTH	40 A	2	3600 VA				3600 VA	2	40 A	EV CHARGER NORTH	2
3	--		--	--	3600 VA				3600 VA	--	--		4
5	--	EV CHARGER SOUTH	40 A	2		3600 VA			3600 VA	2	40 A	EV CHARGER NORTH	6
7	--		--	--	3600 VA				3600 VA	--	--		8
9	--	EV CHARGER SOUTH	40 A	2		3600 VA			3600 VA	2	40 A	EV CHARGER NORTH	10
11	--		--	--		3600 VA			3600 VA	--	--		12
13	--	SPARE	40 A	2	0 VA		0 VA		3600 VA	2	40 A	SPARE	14
15	--		--	--		0 VA			0 VA	--	--		16
17	--	SPACE	--	1			--		--	1	--	SPACE	18
19	--	SPACE	--	1	--		--		--	1	--	SPACE	20
21	--	SPACE	--	1	--		--		--	1	--	SPACE	22
23	--	SPACE	--	1		--	--		--	1	--	SPACE	24
25	--	SPACE	--	1	--		--		--	1	--	SPACE	26
27	--	SPACE	--	1		--			--	1	--	SPACE	28
29	--	SPACE	--	1		--	--		--	1	--	SPACE	30
31	--	SPACE	--	1	--		--		--	1	--	SPACE	32
33	--	SPACE	--	1		--			--	1	--	SPACE	34
35	--	SPACE	--	1		--	--		--	1	--	SPACE	36
37	--	SPACE	--	1	--		--		--	1	--	SPACE	38
39	--	SPACE	--	1		--			--	1	--	SPACE	40
41	--	SPACE	--	1		--			--	1	--	SPACE	42

LOAD TYPE KEY:

N=NON CONTINUOUS  
P=POWER  
L=LIGHTING

M=MECH EQUIP  
R=RECEPTACLE  
K=KITCHEN

TOTAL A: 14400 VA  
TOTAL B: 14400 VA  
TOTAL C: 14400 VA

120 A  
120 A  
120 A

LOAD TYPE	CONNECTED	DEMAND FACTOR	ESTIMATED	PANEL TOTALS		
C	43200 VA	125.00%	54000 VA			
					TOTAL CONNECTED LOAD:	43200 VA
					TOTAL DEMAND LOAD:	54000 VA
						120 A

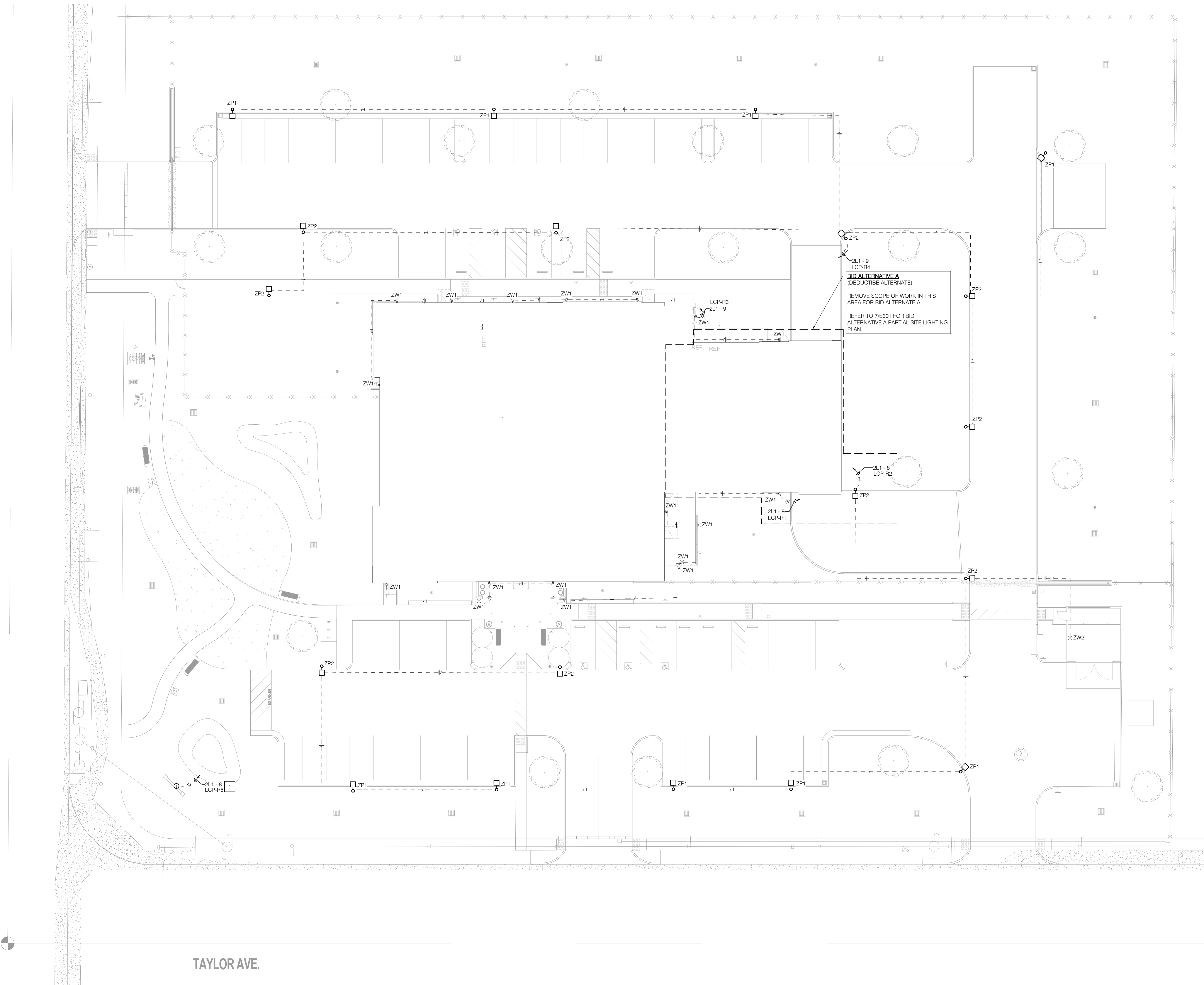






F  
E  
D  
C  
B  
A

1 2 3 4 5 6



GENERAL NOTES

1. REFER TO SHEET E0021 FOR LIGHT FIXTURE SCHEDULE.
2. PROVIDE MINIMUM 1" C - 2#10, 1#10G TO LIGHT FIXTURES UON.
3. AVOID LOCATING CIRCUITS AND HAND-HOLES THROUGH DRAINAGE AREAS, GUTTERS, AND BASINS.
4. LOCATE HAND-HOLES IN PLANTER AREAS AS MUCH AS POSSIBLE, AVOIDING LAWN AND HARDSCAPE LOCATIONS. POSITION FLUSH AND PARALLEL TO NEIGHBORING EDGES. CONSOLIDATE HAND-HOLES WHERE POSSIBLE. PROVIDE TRENCHING THROUGH HARDSCAPE AREAS ONLY.
5. UNDERGROUND ELECTRICAL BOXES SHALL BE COORDINATED WITH CITY ON APPROVED MODEL PRIOR TO BID.
6. FIELD VERIFY EQUIPMENT MOUNTING AND FIXTURE LOCATIONS WITH CLIENT PRIOR TO INSTALLATION.
7. PROVIDE GROUNDING/BONDING TO HARDWARE IN UNDERGROUND PULLBOXES AND VAULTS.
8. FOR FIXTURES AND HANDHOLES LOCATED ALONG SIDE OF PLANTERS/LAWNS, LOCATE PARALLEL TO HARDSCAPE EDGE.
9. HARDWARE AND DEVICES SHALL BE WEATHER, UV, AND CORROSIVE RESISTANT AT EXTERIOR LOCATIONS.

NOTES

1. PROVIDE 120V CONNECTION TO SERVE ILLUMINATED MONUMENT SIGN.



Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



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CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY C Arranaga  
APPROVED BY C Arranaga  
CHECKED BY L Henderson  
DATE 10/29/2025

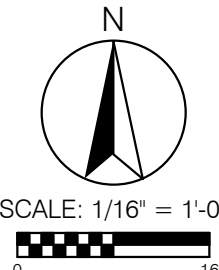
TITLE

LIGHTING SITE PLAN

PROJECT NO. 50184767

E102

SHEET NO.  
P2S No. J25-0014





CITY OF MCFARLAND, CALIFORNIA

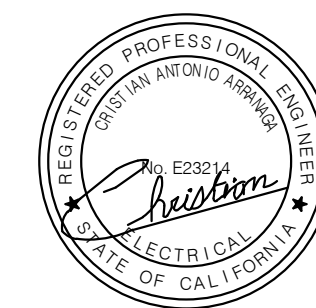
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CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
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SEAL



## KEY PLAN

SCALE

[illegible]

DRAWN BY	C Arranaga
APPROVED BY	C Arranaga
CHECKED BY	L Henderson
DATE	10/29/2025

TITLE
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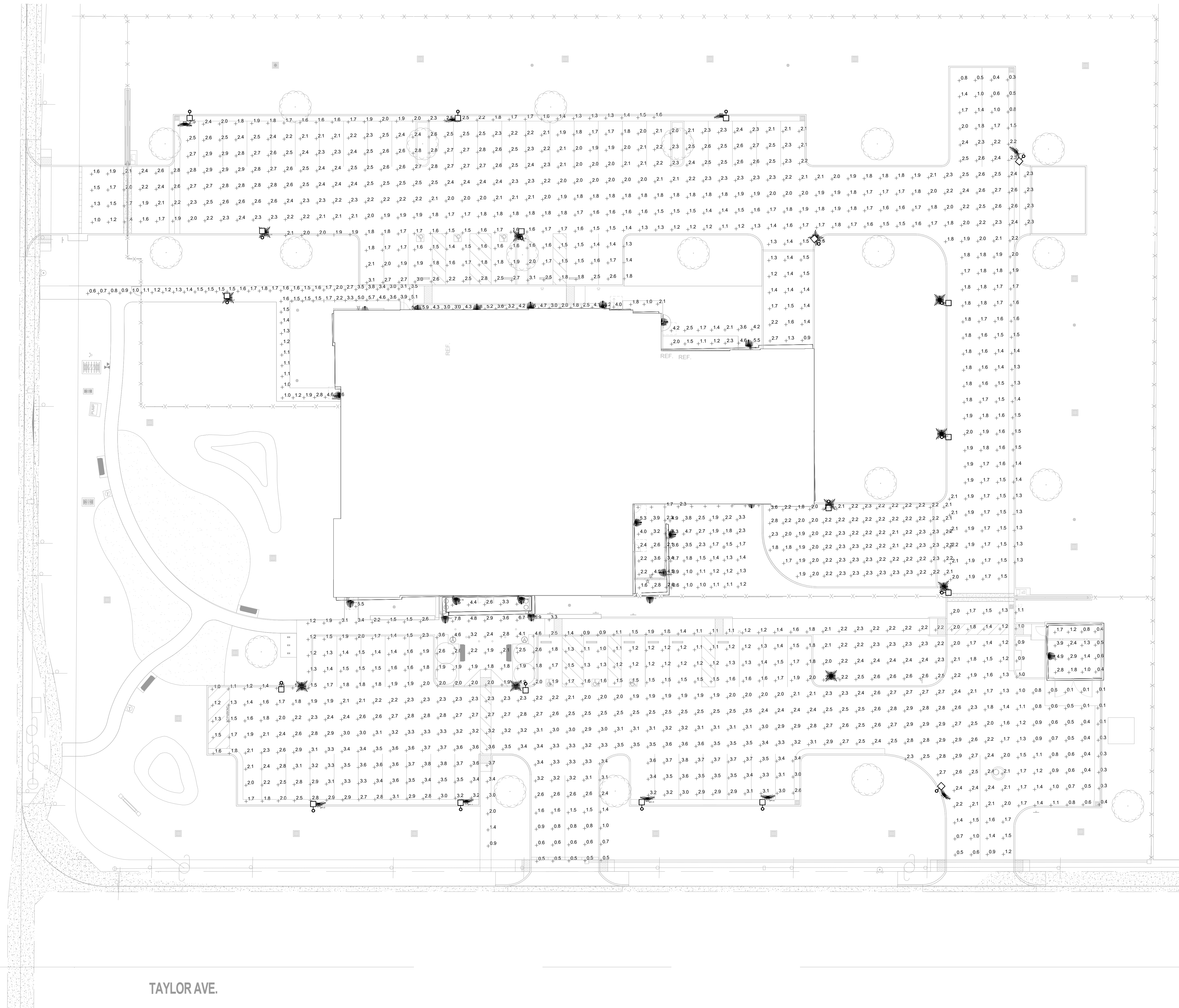
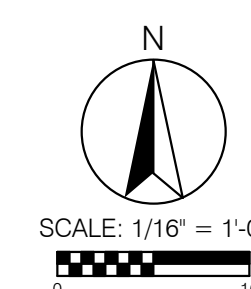
PHOTOMETRIC  
SITE PLAN

PROJECT NO.	50184767
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E102P

SHEET NO. \_\_\_\_\_

P2S No. J25-0014





10/29/2025 4:29:47 PM

A

B

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F

### NOTES

1. PROVIDE 120V CONNECTION TO SERVE TV. REFER TO TECHNOLOGY DRAWINGS FOR MOUNTING HEIGHT AND ADDITIONAL INFORMATION.
2. PROVIDE 120V CONNECTION TO SERVE GARBAGE DISPOSAL. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
3. PROVIDE 120V CONNECTION TO SERVE CEILING MOUNTED PROJECTOR. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
4. PROVIDE 120V CONNECTION TO SERVE MOTORIZED PROJECTOR SCREEN. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
5. PROVIDE 120V CONNECTION TO SERVE WALL MOUNTED PROJECTOR AND SCREEN. COORDINATED HEIGHT IN THE FIELD PRIOR TO ROUGH-IN.
6. PROVIDE DEDICATED 120V CONNECTION TO SERVE PRINTER.

### NOTES

1. PROVIDE 120V CONNECTION TO SERVE DRINKING FOUNTAIN. CONNECT FROM READILY ACCESSIBLE UPSTREAM GFCI RECEPTACLE.
2. PROVIDE GFCI BREAKER AT PANEL.
3. PROVIDE POWER FEED TO DISPATCH CONSOLES THROUGH FLOOR BOX/WALL. PROVIDE TERMINATIONS TO FURNITURE SYSTEMS. CONTRACTOR SHALL ROUTE CONDUIT THROUGH FLOOR CORE AND CONNECT TO JUNCTION BOXES AT QUAD OUTLETS MOUNTED TO THE FURNITURE SYSTEM. RESPECTIVE PANEL AND CIRCUIT INDICATED. FIELD COORDINATE FINAL LOCATIONS PRIOR TO INSTALLATION.

### NOTES

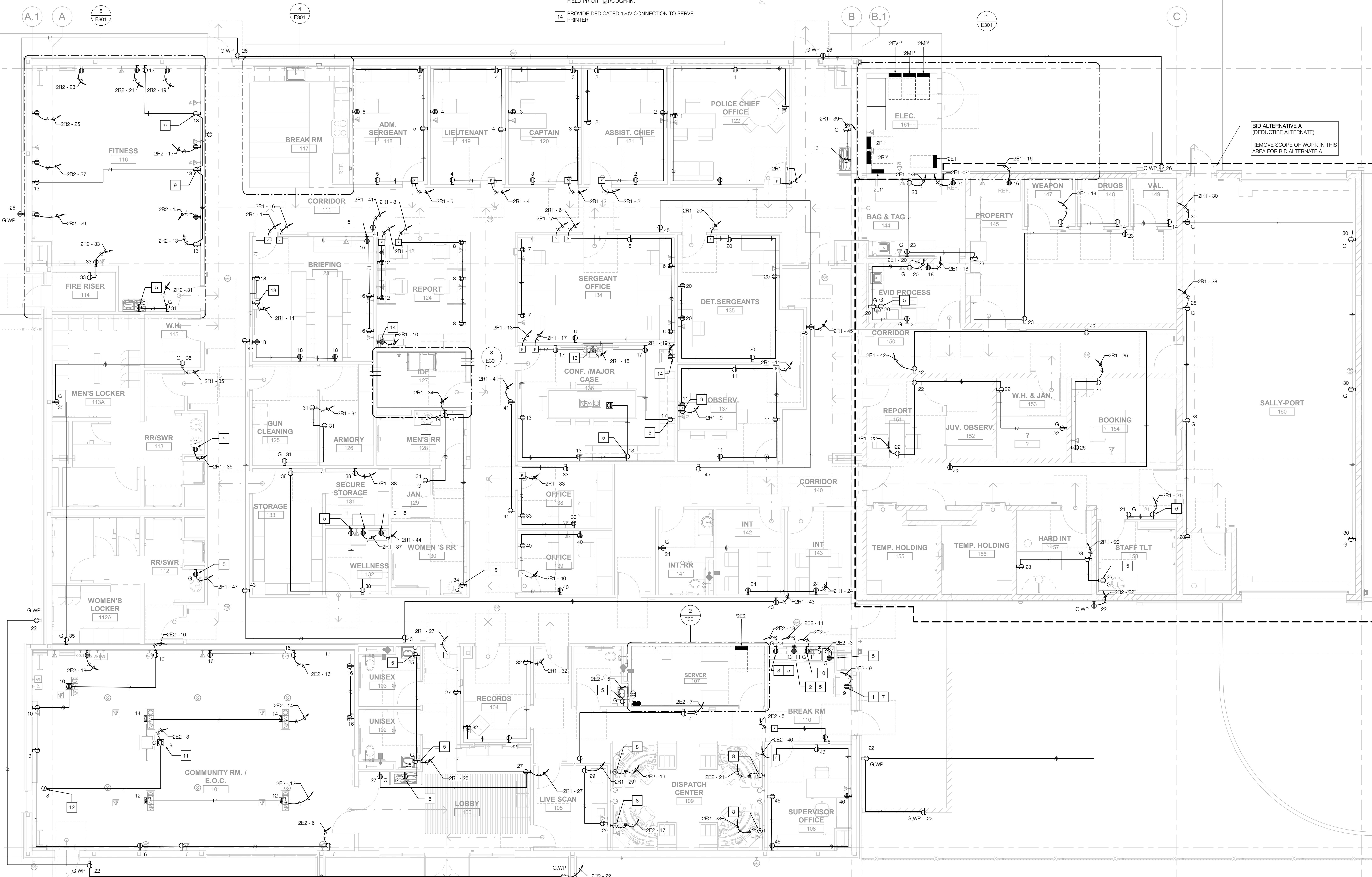
1. PROVIDE DEDICATED 120V CONNECTION TO SERVE REFRIGERATOR.
2. PROVIDE DEDICATED 120V CONNECTION TO SERVE COFFEE MACHINE.
3. PROVIDE DEDICATED 120V CONNECTION TO SERVE MICROWAVE.
4. PROVIDE DEDICATED 120V CONNECTION TO SERVE DISHWASHER.
5. MOUNT RECEPTACLE ABOVE COUNTER/BACKSPLASH. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

### GENERAL NOTES

1. UNLESS ALL 1P-20 AMP RECEPTACLE CONDUCTORS SHALL BE SIZED AS FOLLOWS PER RUN LENGTH TO PANEL:  
-80 FT OR LESS = #12 MINIMUM  
-80 FT TO 150 FT = #10 MINIMUM  
-150 FT TO 250 FT = #8 MINIMUM  
-250 FT TO 400 FT = #6 MINIMUM  
PRESERVE GUTTER AND WORKSPACE IN PANELS. WHERE #6 AND LARGER IS USED, PROVIDE #12 CONDUCTORS TO EXIT PANEL AND SPLICE WITHIN 15FT TO LARGER SIZE. INCLUDE PROVISIONS FOR SPLICING.
2. HARDWARE AND DEVICES SHALL BE WEATHER, UV, AND CORROSIVE RESISTANT AT EXTERIOR LOCATIONS.

### GENERAL NOTES

1. FIELD COORDINATE LOCATIONS WITH RESPECTIVE TRADES.
2. WHERE RELAY PACKS, POWER SUPPLIES, AND OTHER DEVICES SERVE ABOVE HARD CEILINGS, LOCATE THEM TO THE CLOSEST ACCESSIBLE CEILING OR ACCESS OPENING. COORDINATE SECONDARY CIRCUITING WITH DEVICE MANUFACTURER.
3. COORDINATE OUTLET HEIGHTS WITH CARPENTRY AND TELECOM TRADES.
4. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS, AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.



CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY C Arranaga  
APPROVED BY C Arranaga  
CHECKED BY L Henderson  
DATE 10/29/2025

TITLE

FIRST FLOOR  
POWER PLAN

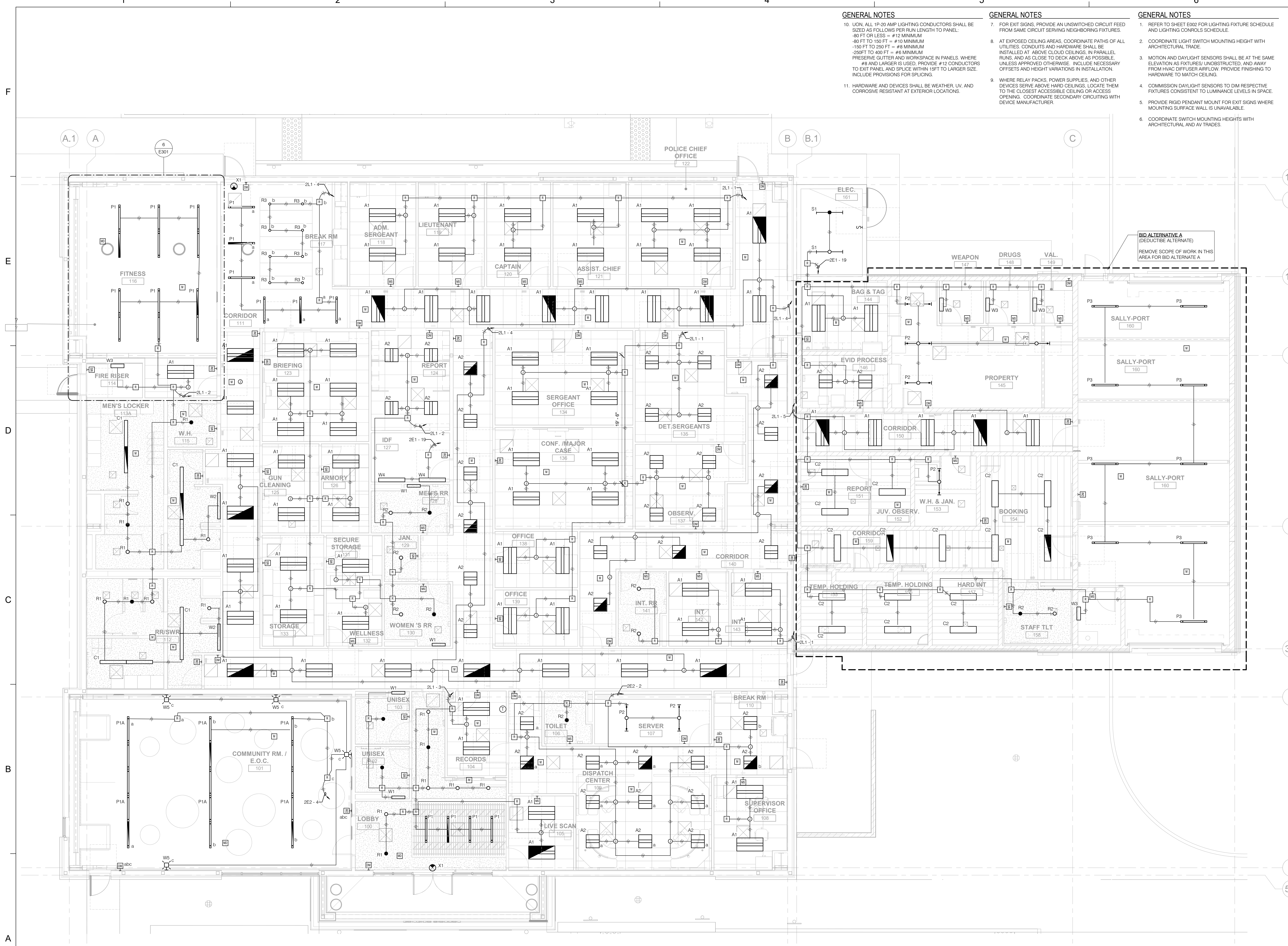
PROJECT NO. 50184767

E201

SHEET NO.  
P2S No. J25-0014

**Dewberry**  
Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100  
**P2S ENG**  
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GENERAL NOTES

10. UON, ALL 1P-20 AMP LIGHTING CONDUCTORS SHALL BE SIZED AS FOLLOWS PER RUN LENGTH TO PANEL:
  - 80 FT OR LESS = #12 MINIMUM
  - 80 FT TO 150 FT = #10 MINIMUM
  - 150 FT TO 250 FT = #8 MINIMUM
  - 250 FT TO 400 FT = #6 MINIMUMPRESERVE GUTTER AND WORKSPACE IN PANELS. WHERE #8 AND LARGER IS USED, PROVIDE #12 CONDUCTORS TO EXIT PANEL AND SPLICE WITHIN 15FT TO LARGER SIZE. INCLUDE PROVISIONS FOR SPLICING.
11. HARDWARE AND DEVICES SHALL BE WEATHER, UV, AND CORROSIVE RESISTANT AT EXTERIOR LOCATIONS.

GENERAL NOTES

7. FOR EXIT SIGNS, PROVIDE AN UNSWITCHED CIRCUIT FEED FROM SAME CIRCUIT SERVING NEIGHBORING FIXTURES.
8. AT EXPOSED CEILING AREAS, COORDINATE PATHS OF ALL UTILITIES, CONDUITS AND HARDWARE SHALL BE INSTALLED AT ABOVE CLOUD CEILINGS IN PARALLEL RUNS, AND AS CLOSE TO DECK ABOVE AS POSSIBLE. UNLESS APPROVED OTHERWISE, INCLUDE NECESSARY OFFSETS AND HEIGHT VARIATIONS IN INSTALLATION.
9. WHERE RELAY PACKS, POWER SUPPLIES, AND OTHER DEVICES SERVE ABOVE HARD CEILINGS, LOCATE THEM TO THE CLOSEST ACCESSIBLE CEILING OR ACCESS OPENING. COORDINATE SECONDARY CIRCUITING WITH DEVICE MANUFACTURER.

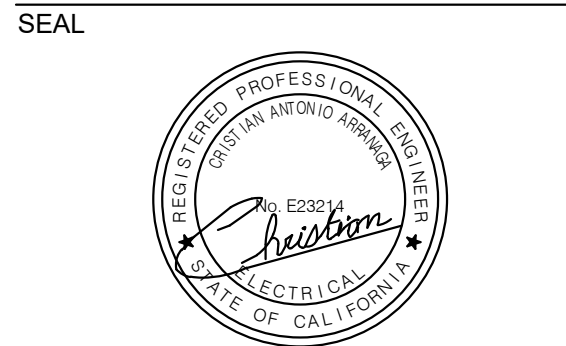
GENERAL NOTES

1. REFER TO SHEET E202 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTROLS SCHEDULE.
2. COORDINATE LIGHT SWITCH MOUNTING HEIGHT WITH ARCHITECTURAL TRADE.
3. MOTION AND DAYLIGHT SENSORS SHALL BE AT THE SAME ELEVATION AS FIXTURES/ UNOBSTRUCTED, AND AWAY FROM HVAC DIFFUSER AIRFLOW. PROVIDE FINISHING TO HARDWARE TO MATCH CEILING.
4. COMMISSION DAYLIGHT SENSORS TO DIM RESPECTIVE FIXTURES CONSISTENT TO LUMINANCE LEVELS IN SPACE.
5. PROVIDE RIGID PENDANT MOUNT FOR EXIT SIGNS WHERE MOUNTING SURFACE WALL IS UNAVAILABLE.
6. COORDINATE SWITCH MOUNTING HEIGHTS WITH ARCHITECTURAL AND AV TRADES.

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703.849.0100

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SCALE

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NO.	DESCRIPTION	DATE

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DATE 10/29/2025  
TITLE

FIRST FLOOR LIGHTING PLAN

PROJECT NO. 50184767

E211

SHEET NO.  
P2S No. J25-0014





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TITLE

FIRST FLOOR  
PHOTOMETRIC  
PLAN

PROJECT NO. 50184767

E211P

SHEET NO.  
P2S No. J25-0014

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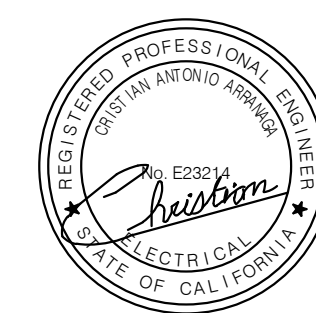
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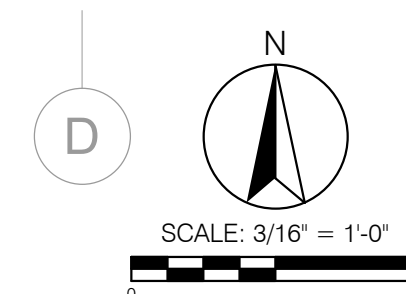
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FIRST FLOOR  
AUXILIARY PLAN

PROJECT NO.	50184767
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E221

SHEET NO. \_\_\_\_\_  
P2S No. J25-0014



## NOTES

- 4 PROVIDE 120V CONNECTIONS TO SERVE FIRE SMOKE DAMPERS (FSD). PROVIDE (3/4", (2)#10, & (1) #10 GND.) TO EACH FSD LOCATION. AT EACH SMOKE FIRE DAMPER PROVIDE A MANUAL MOTOR RATED TOGGLE SWITCH. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 5 PROVIDE 120V CONNECTIONS TO SERVE ELECTRIC HAND DRYER.
- 6 PROVIDE 120V CONNECTIONS TO PASS THRU.

## NOTES

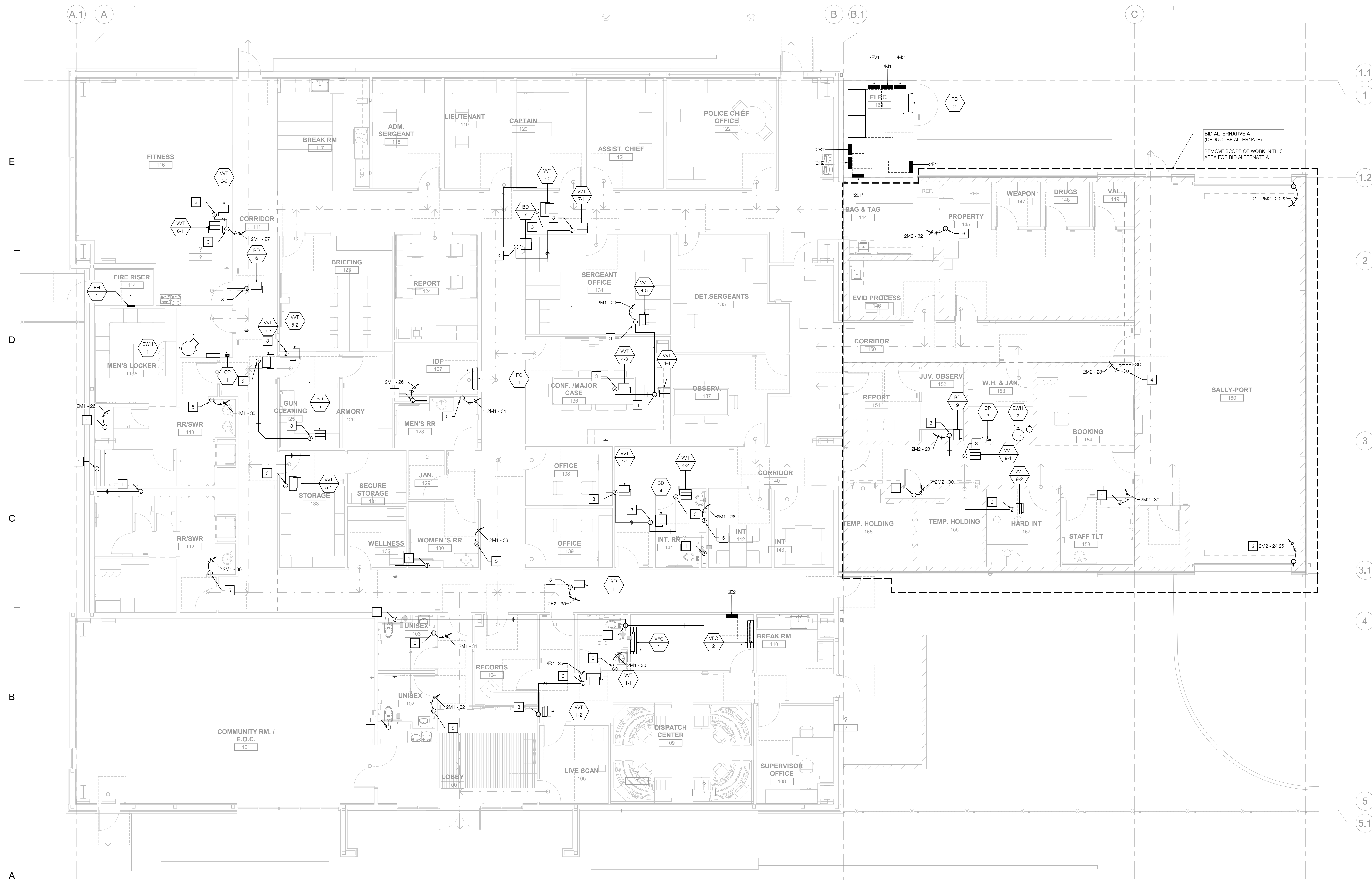
- 1 PROVIDE 120V CONNECTION TO SERVE FLUSH VALVES.  
REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION  
AND ADDITIONAL INFORMATION.
- 2 PROVIDE 208V, 1PH1 CONNECTION TO SERVE MOTORIZED  
ROLL-UP DOOR. PROVIDE 2P-30A LOCAL FUSED  
DISCONNECT SWITCH. INCLUDE OPERATE CONTROLS ON  
BOTH SIDES OF DOOR. INCLUDE LOCKABLE, METAL,  
WEATHERPROOF COVER FOR EXTERIOR.
- 3 PROVIDE 120V CONNECTION TO SERVE VARIABLE VOLUME  
AND TEMPERATURE TERMINAL. REFER TO  
MECHANICAL DRAWINGS FOR EXACT LOCATION AND  
ADDITIONAL INFORMATION.

## GENERAL NOTES

5. WHERE RELAY PACKS, POWER SUPPLIES, AND OTHER DEVICES SERVE ABOVE HARD CEILINGS, LOCATE THEM TO THE CLOSEST ACCESSIBLE CEILING OR ACCESS OPENING.
6. PROVIDE AND INSTALL RATED DISCONNECTING MEANS WITH ALL WORKING CLEARANCES PER CEC. FIELD COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.

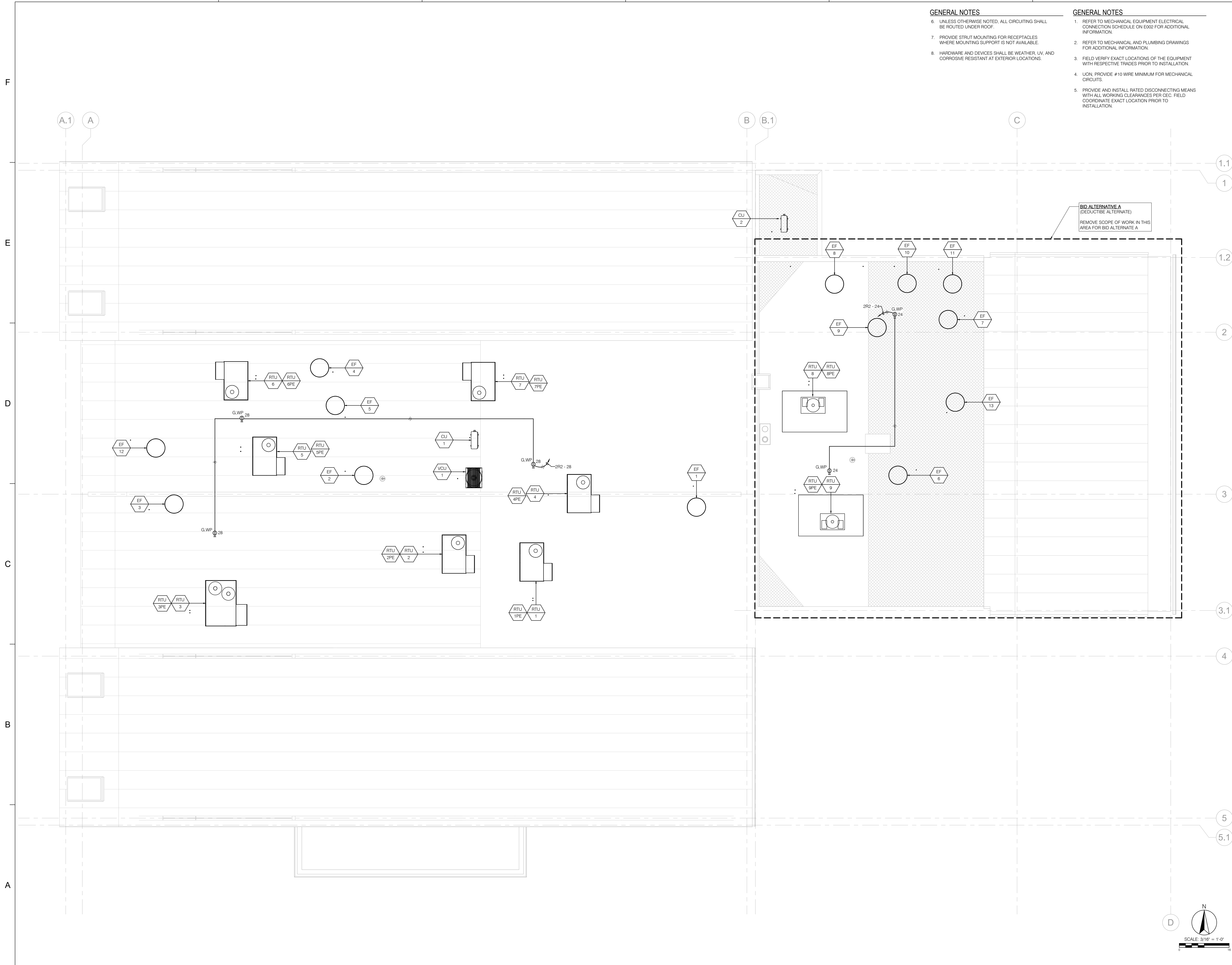
## GENERAL NOTES

1. REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE ON E002 FOR ADDITIONAL INFORMATION.
2. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
3. FIELD VERIFY EXACT LOCATIONS OF THE EQUIPMENT WITH RESPECTIVE TRADES PRIOR TO INSTALLATION.
4. UON: PROVIDE #10 WIRE MINIMUM FOR MECHANICAL CIRCUITS.





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GENERAL NOTES

- UNLESS OTHERWISE NOTED, ALL CIRCUITING SHALL BE ROUTED UNDER ROOF.
- PROVIDE STRUT MOUNTING FOR RECEPTACLES WHERE MOUNTING SUPPORT IS NOT AVAILABLE.
- HARDWARE AND DEVICES SHALL BE WEATHER, UV, AND CORROSIVE RESISTANT AT EXTERIOR LOCATIONS.

GENERAL NOTES

- REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE ON E002 FOR ADDITIONAL INFORMATION.
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- FIELD VERIFY EXACT LOCATIONS OF THE EQUIPMENT WITH RESPECTIVE TRADES PRIOR TO INSTALLATION.
- UON, PROVIDE #10 WIRE MINIMUM FOR MECHANICAL CIRCUITS.
- PROVIDE AND INSTALL RATED DISCONNECTING MEANS WITH ALL WORKING CLEARANCES PER CEC. FIELD COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.

**BID ALTERNATIVE A**  
(DEDUCTIVE ALTERNATE)  
REMOVE SCOPE OF WORK IN THIS AREA FOR BID ALTERNATE A



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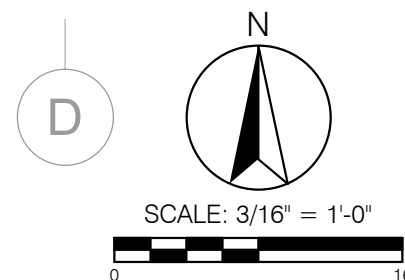
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**ROOF AUXILIARY PLAN**

PROJECT NO. 50184767

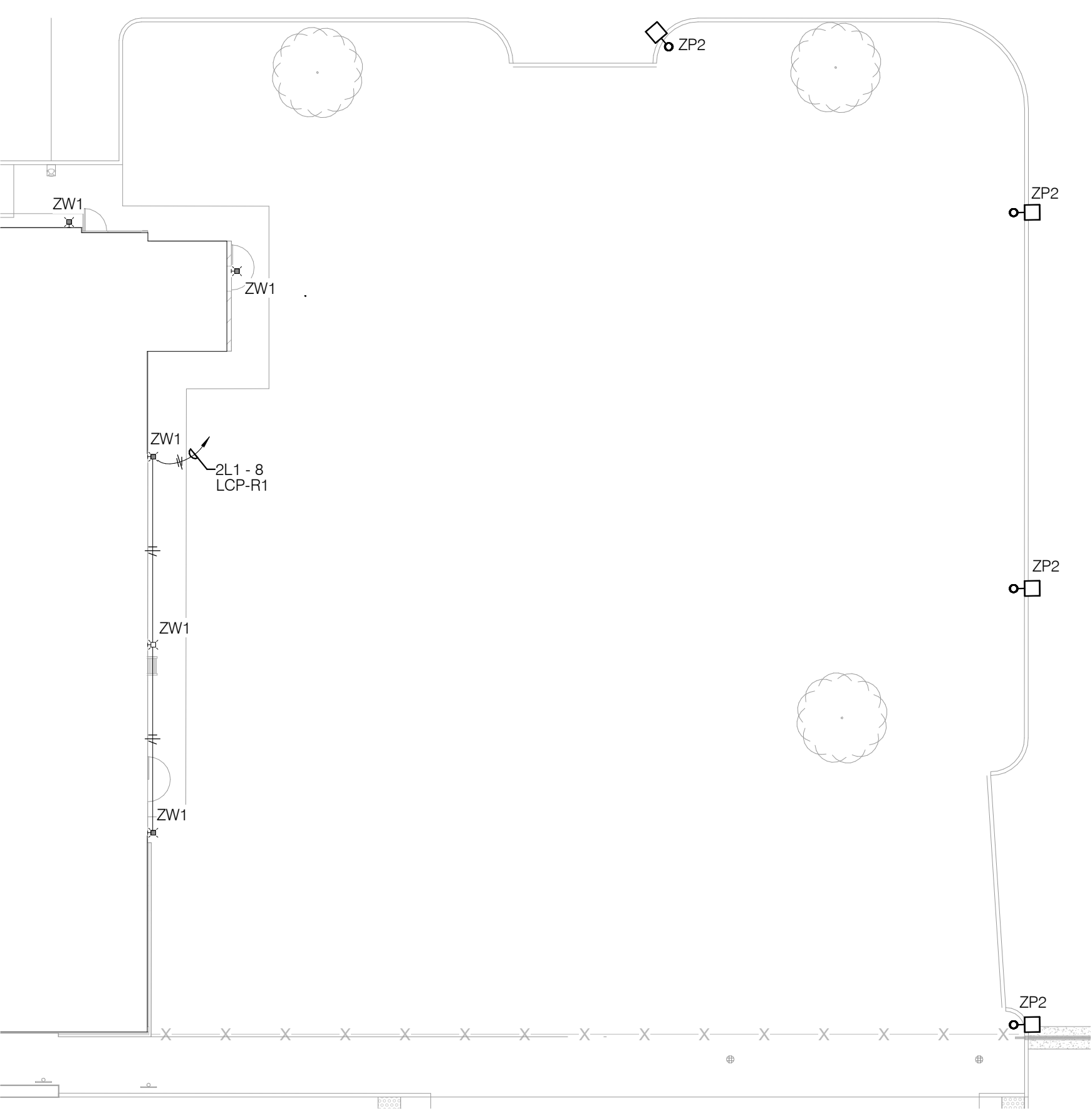
**E222**

SHEET NO.  
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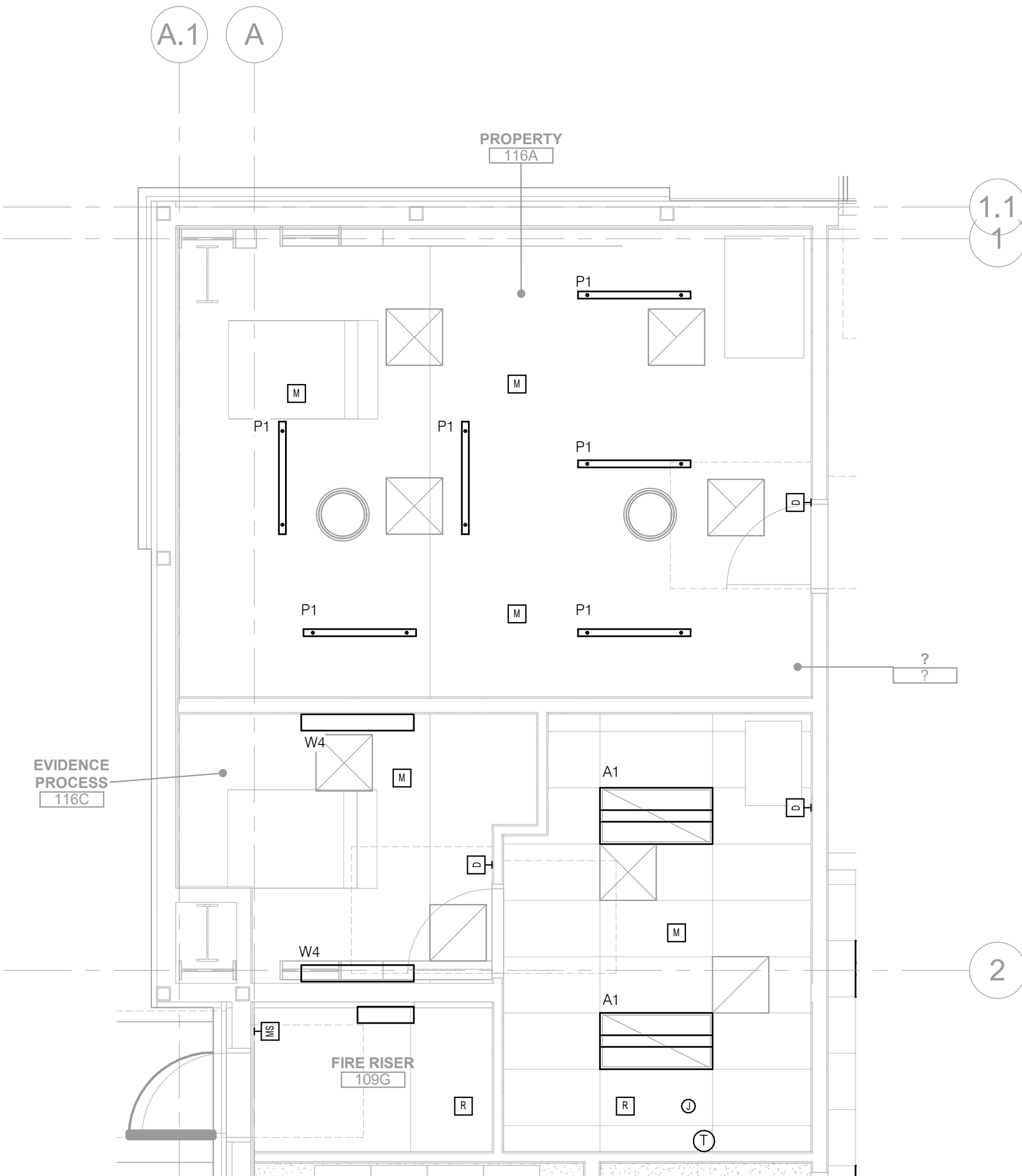




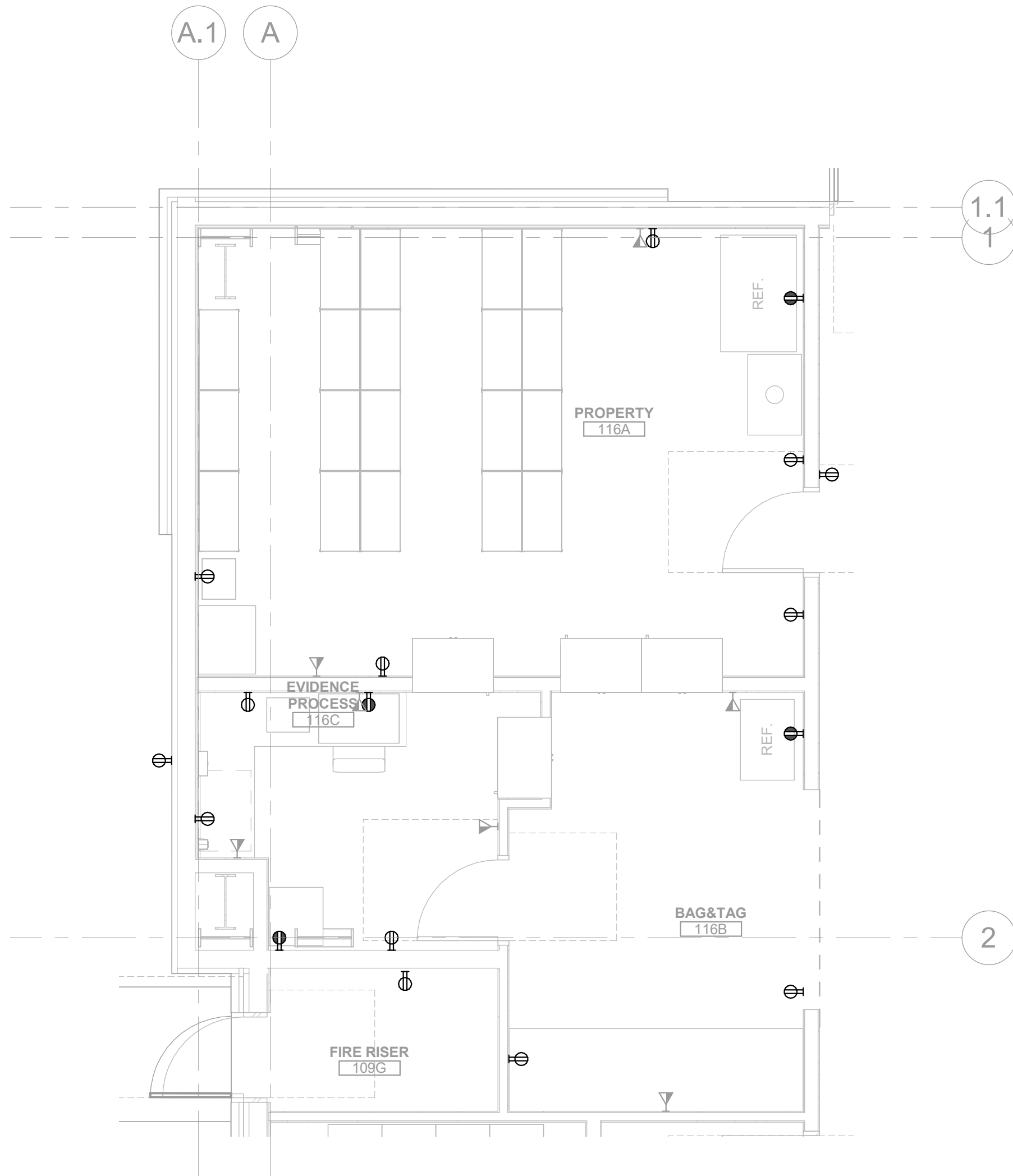
F  
E  
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C  
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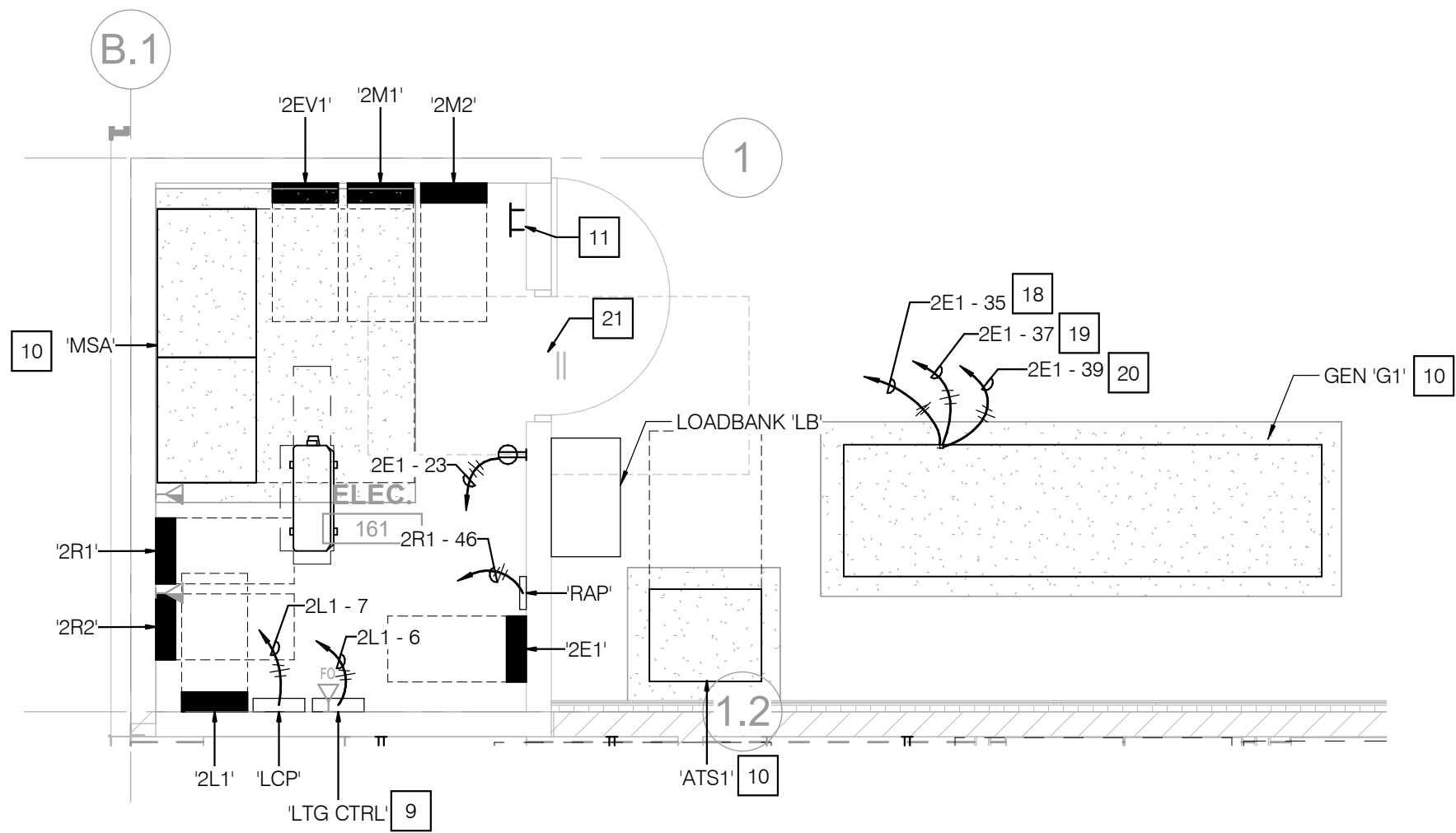
7 SITE LIGHTING - BID ALTERNATE A  
SCALE: 1/16" = 1'-0"



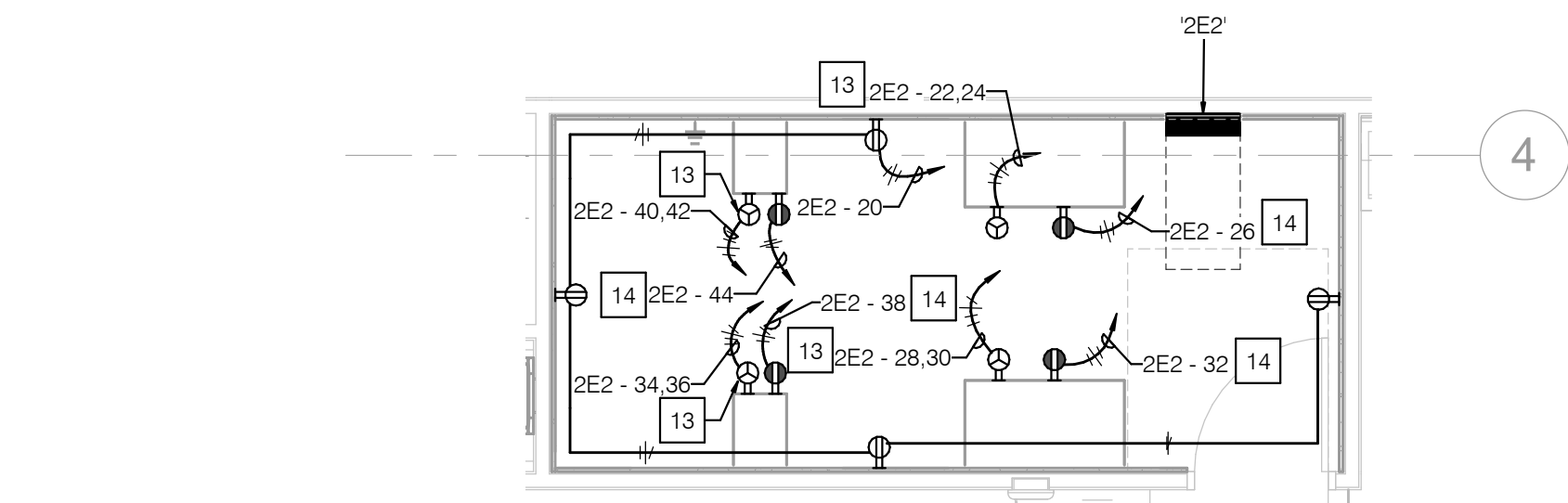
6 FIRST FLOOR LIGHTING - BID ALTERNATE A  
SCALE: 1/4" = 1'-0"



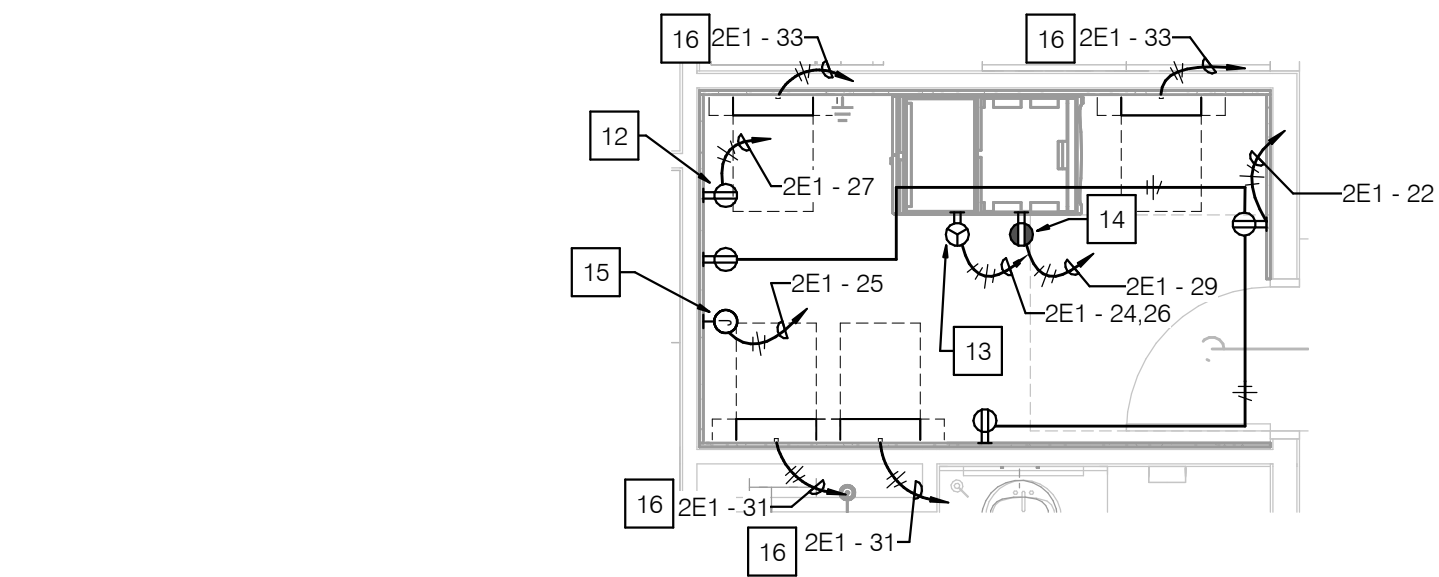
5 FIRST FLOOR POWER - BID ALTERNATE A  
SCALE: 1/4" = 1'-0"



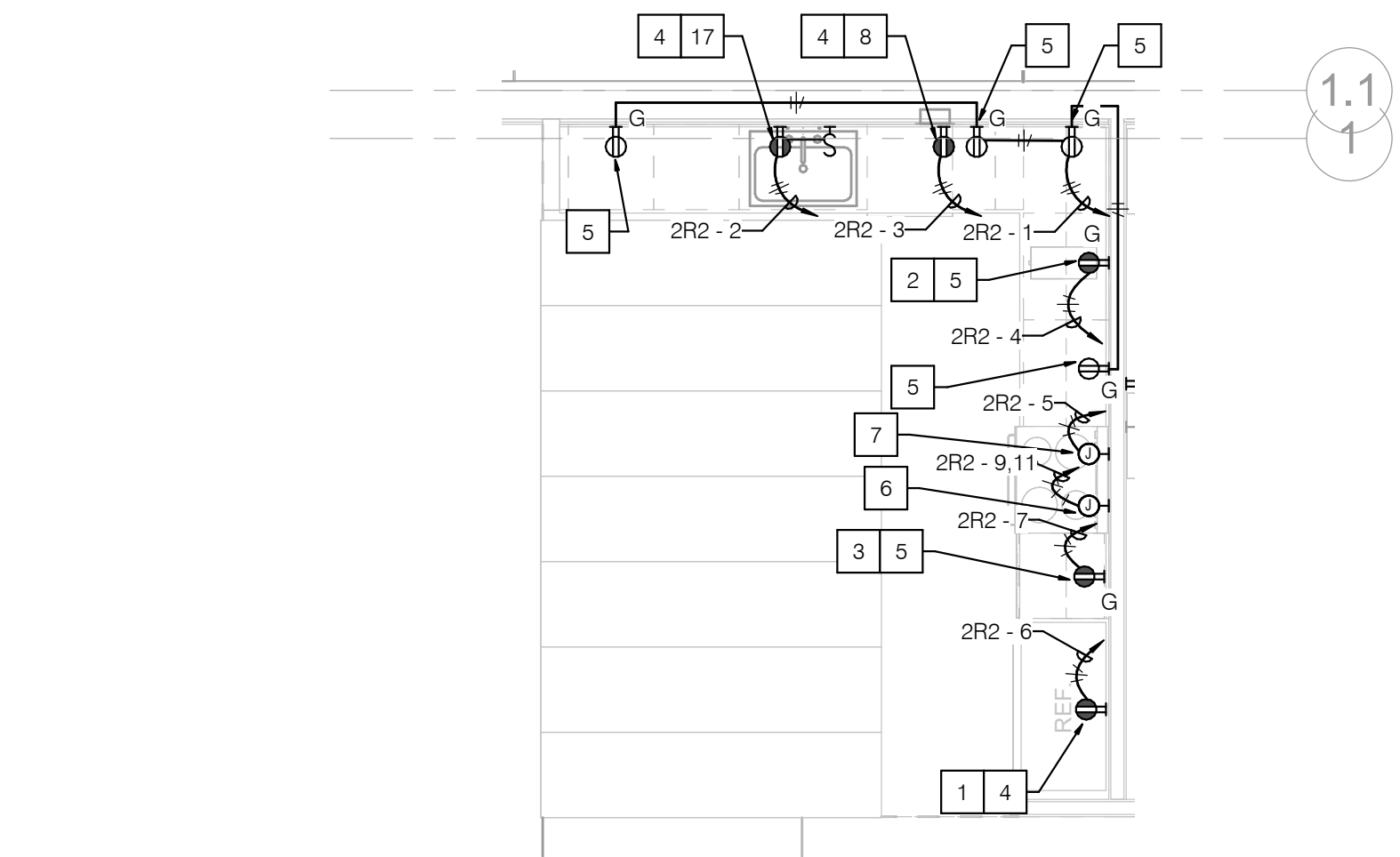
1 ELEC 162  
SCALE: 1/4" = 1'-0"



2 SERVER 107  
SCALE: 1/4" = 1'-0"



3 IDF 127  
SCALE: 1/4" = 1'-0"



4 BREAK RM 117  
SCALE: 1/4" = 1'-0"

- NOTES**
- 1 PROVIDE DEDICATED 120V CONNECTION TO SERVE REFRIGERATOR.
  - 2 PROVIDE DEDICATED 120V CONNECTION TO SERVE COFFEE MACHINE.
  - 3 PROVIDE DEDICATED 120V CONNECTION TO SERVE MICROWAVE.
  - 4 PROVIDE GFCI BREAKER AT PANEL.
  - 5 MOUNT RECEPTACLE ABOVE COUNTER/BACKSPLASH. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - 6 PROVIDE 208V, 1PH, 50A, NEMA 14-50R DEDICATED CONNECTION TO SERVE INDUCTION COOKTOP (1" C-2# 80V, 1# 10N, 1# 10GN). VERIFY REQUIREMENTS WITH MANUFACTURE PRIOR TO ROUGH-IN.
  - 7 PROVIDE 120V CONNECTION TO SERVE RANGE HOOD.
  - 8 PROVIDE DEDICATED 120V CONNECTION TO SERVE DISHWASHER.
  - 9 PROVIDE 120V CONNECTION TO SERVE LIGHTING NETWORK CONTROLLER WITH ENCLOSURE (LIGHT ECLIPSE OR APPROVED EQUAL). INCLUDE AUTOMATIC DEMAND RESPONSE, EMERGENCY POWER ACTIVATION WITH FIRE ALARM. VENDOR COMMISSIONING, CONNECTION TO BUILDING BMS SYSTEM (BACNET), SECURITY LOOK-OUT AT HEAD-END CONNECTION TO INTRANET, NETWORK EXTENDERS, AND ACCESSORIES FOR A COMPLETE SYSTEM.
  - 10 PROVIDE EQUIPMENT PADS, 6' HEIGHT UON.
  - 11 PROVIDE BUSBAR WITH GROUNDING AND BONDING, 96" AFF.
  - 12 PROVIDE 120V, 1PH RECEPTACLE TO SERVE BMS WORKSTATION. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - 13 PROVIDE 208V, 1PH, 30A DEDICATED NEMA L6-30R RECEPTACLE TO SERVE IT RACK (3/4" C- 2# 10, 1# 10G). FIELD COORDINATE EXACT LOCATION PRIOR TO INSTALLATION. REFER TO TELECOM DRAWINGS FOR ADDITIONAL INFORMATION.
  - 14 PROVIDE 120V, 1PH, 20A DEDICATED RECEPTACLE TO SERVE IT RACK. FIELD COORDINATE EXACT LOCATION PRIOR TO INSTALLATION. REFER TO TELECOM DRAWINGS FOR ADDITIONAL INFORMATION.
  - 15 PROVIDE 120V, 1PH, 20A DEDICATED CONNECTION TO SERVE ACCESS CONTROL PANEL. REFER TO TELECOM DRAWINGS FOR ADDITIONAL INFORMATION.
  - 16 PROVIDE 120V CONNECTION TO SERVE VAV CONTROL PANEL. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
  - 17 PROVIDE 120V CONNECTION TO SERVE GARBAGE DISPOSAL. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
  - 18 PROVIDE 120V CONNECTION TO SERVE GENERATOR JACKET HEATER.
  - 19 PROVIDE 120V CONNECTION TO SERVE GENERATOR BATTERY CHARGER.
  - 20 PROVIDE SPARE 120V CIRCUIT TO GENERATOR.
  - 21 PROVIDE DOOR PANIC HARDWARE PER NEC 110.26(C)(3).

- GENERAL NOTES**
1. REFER TO SINGLE LINE DIAGRAM ON SHEET E501 FOR ADDITIONAL INFORMATION.
  2. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL DISTRIBUTION IN ELECTRICAL ROOMS.

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703.849.0100

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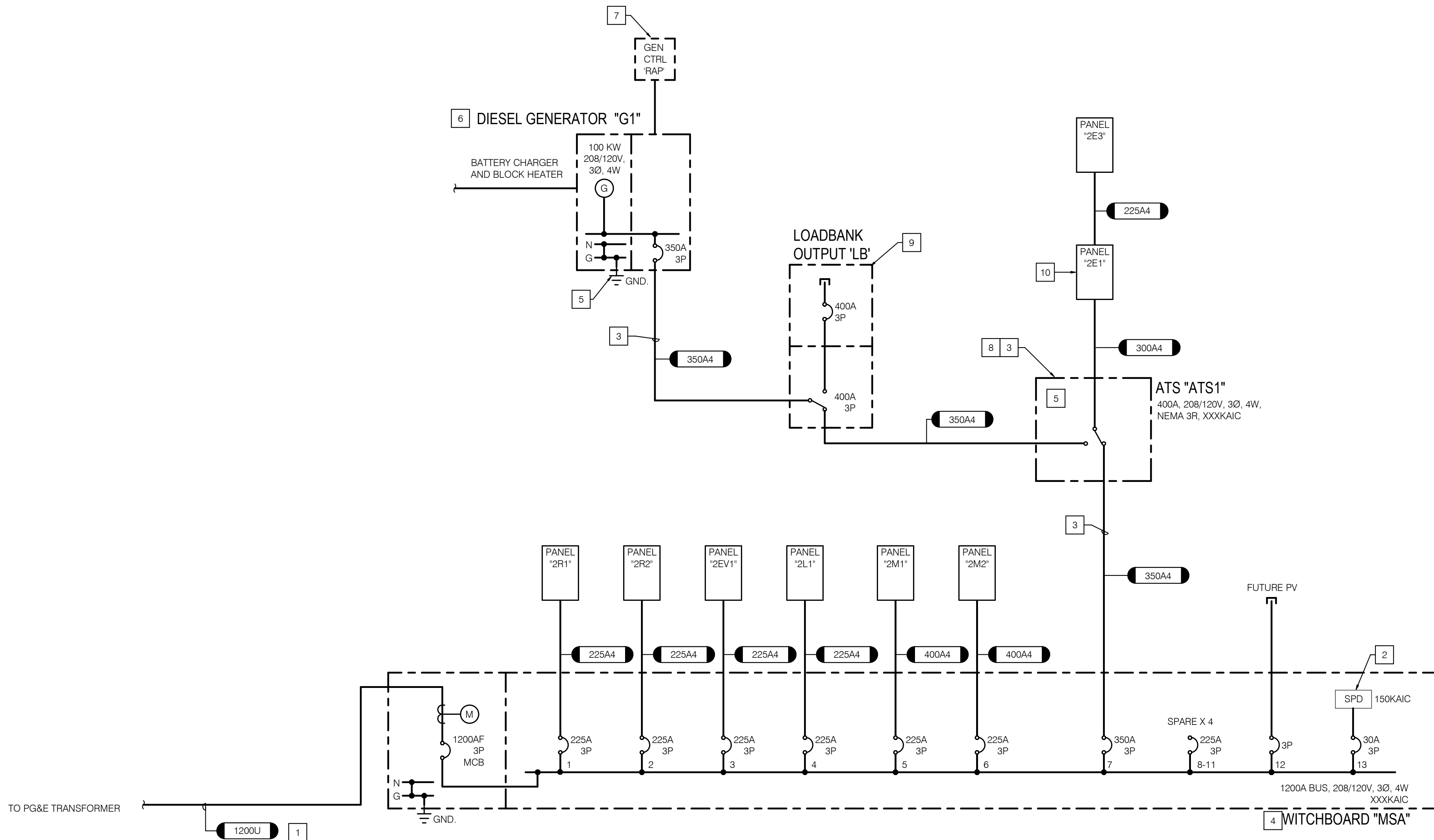
**ENLARGED PLANS**

PROJECT NO. 50184767

**E301**

SHEET NO.  
P2S No. J25-0014



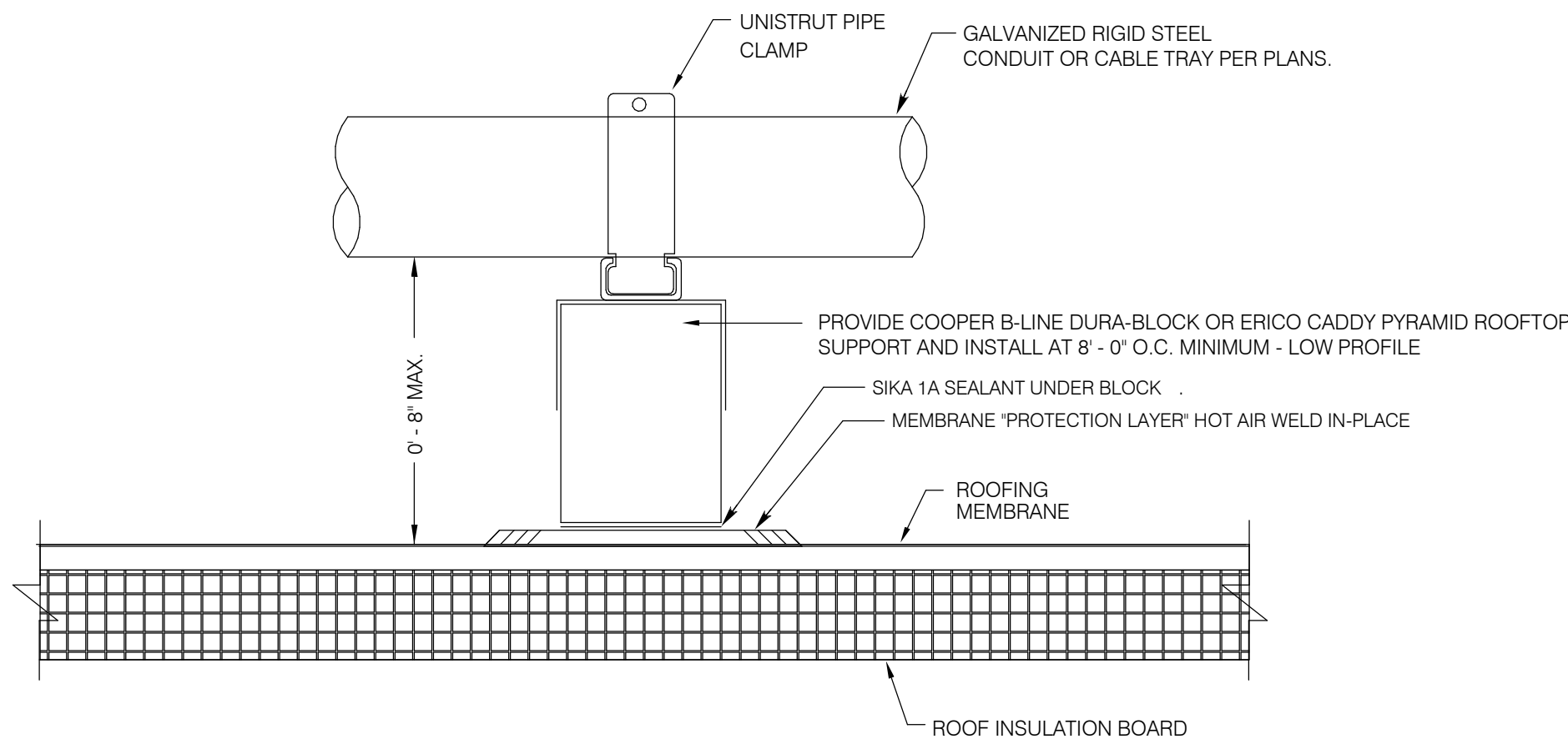


- 1 PROVIDE GROUND RODS FOR PG&E EQUIPMENT.  
TRANSFORMER, SWITCHBOARD, POLE, ETC. FIELD  
CONNECTION LOCATIONS SHALL BE IDENTIFIED BY MEANS TO  
CONNECT GROUND CONDUCTORS; RACEWAYS, EXPOSED  
RODS, ETC.
  - 2 PROVIDE SURGE PROTECTION DEVICES (SPD).
  - 3 PROVIDE SELECTIVE COORDINATION OF FAULT  
CURRENTS UPSTREAM AND DOWNSTREAM DEVICES.  
COORDINATION STUDY SHALL BE RESPECTIVE TO  
INDICATED EMERGENCY STANDBY ELECTRICAL CODES.
  - 4 PROVIDE METAL ENGRAVED LABEL "WARNING: THIS  
BUILDING HAS MULTIPLE ELECTRICAL SOURCES:  
#1 SERVICE SWITCHBOARD E-1; MAIN ELECTRICAL RM  
#2 GENERATOR G-1; EXTERIOR GENERATOR VARY, N-  
NORTH.
  - 5 PROVIDE CONNECTION TO GENERATOR, TWO (2) 3/4" DIA  
MINIMUM RODS (OFFER OLD STEEL TYPE) EACH 10"  
MIN VERTICAL DEPTH, <66" HORIZONTALLY APART) INCLUDE  
TEST WELLS, BOND WITH OTHER ELECTRODES AT  
CONNECTION POINTS. PROVIDE 1/2" DIA STEEL ROD AT  
GENERATOR, BOND TO MAIN SERVICE NEUTRAL ONLY.
  - 6 INSTALL COMPLETE STANDBY GENERATOR SYSTEM, SIZE  
AND RATING TO GENERATOR. INCLUDE THE FOLLOWING:  
a. BASE FUEL TANK WITH STORAGE CAPACITY FOR 48HR  
FULL OPERATION WITH LEVEL 2 SOUND PROOF TEST  
ENCLOSURE.  
b. SURGE-PROTECTION DEVICES.  
c. AUDIBLE/VISUAL ALERT SYSTEM TO BUILDING FIRE  
ALARM SYSTEM.  
d. BATTERY AND RECHARGE EQUIPMENT.  
e. SYSTEM CONTROLS AND CONTROLLER AT  
GENERATOR AND IN BUILDING. COORDINATE WITH  
BUILDING MANAGEMENT SYSTEM.  
f. CONTROL EQUIPMENT.  
g. INTEGRATED CONNECTIONS FOR COMPLETE SYSTEM  
h. DIESEL PARTICULATE FILTER- INTEGRATED TO  
EXHAUST SYSTEM WITH OIL COLLECTION. PROVIDE  
STRUCTURES (FILTER MAY BE EXCLUDED IF LOCAL  
AQUAC ACCEPTS AND PERMITS PRODUCT WITHOUT  
OIL).
  - ALL ITEMS TO BE WEATHER AND EXTERIOR RATED.  
LOCATE EQUIPMENT SUCH THAT CLEARANCES ARE  
MAINTAINED PER MANUFACTURER SPECIFICATIONS.  
MEET ALL REQUIREMENTS, AND ELECTRICAL CODES.  
CONTRACTOR TO COORDINATE WITH OWNER FOR  
TRANSPORTATION OF GENERATOR AND TANK.
  - 7 PROVIDE GENERATOR REMOTE ANNUNCIATOR PANEL  
(RAP) WITH ENCLOSURE. INCLUDE 120V CIRCUIT.
  - 8 PROVIDE 4-POLE TRANSFER SWITCH WITH BYPASS  
ISOLATION.
  - 9 PROVIDE OUTPUT SWITCH FOR LOADBANK OUTPUT; ESU  
POWER SYSTEMS 4840 SERIES OUTPUT 400A BREAKER  
WITH CONTROL CABLES [400A-H 208-3-C].
  - 10 PROVIDE SUFFRED BREAKER. REFER TO PANEL  
SCHEDULE FOR ADDITIONAL INFORMATION.

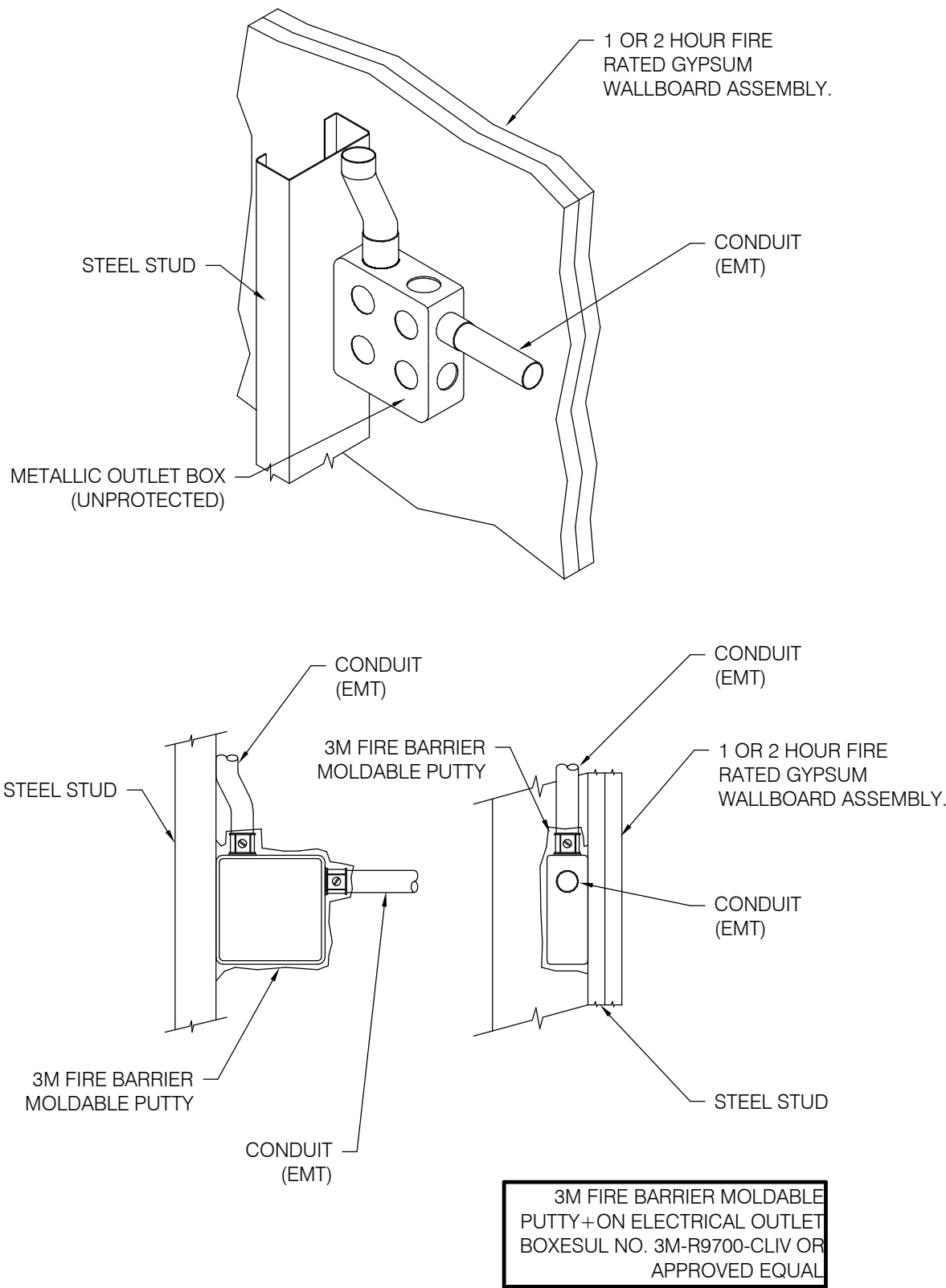


GENERAL NOTES

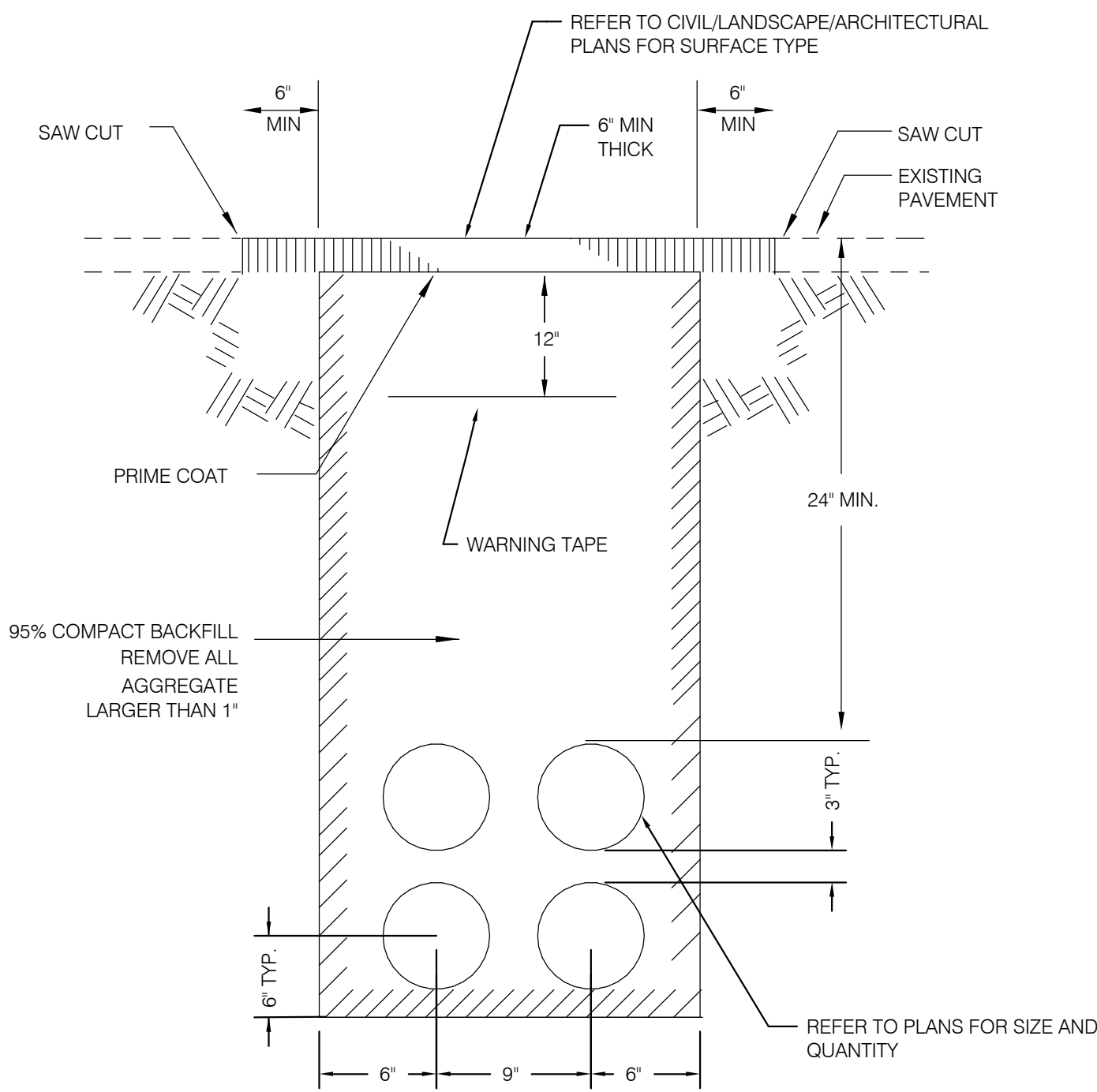
1. BASE SUPPORT BLOCK SHOWN. INCLUDE HARDWARE FROM THE EATON DURO-BLOCK LINE FOR COMPLETE MOUNTING. HARDWARE SHALL INCLUDE BBS4 FOR SLOPE OF ROOF, AND RESPECTIVE COOPER B-LINE COMPONENTS. EQUIPMENT SHALL BE WEATHERPROOF AND CORROSIVE RESISTANT.
2. ALL METAL SHALL BE CORROSIVE RESISTANT/GALVANIZED MATERIAL.



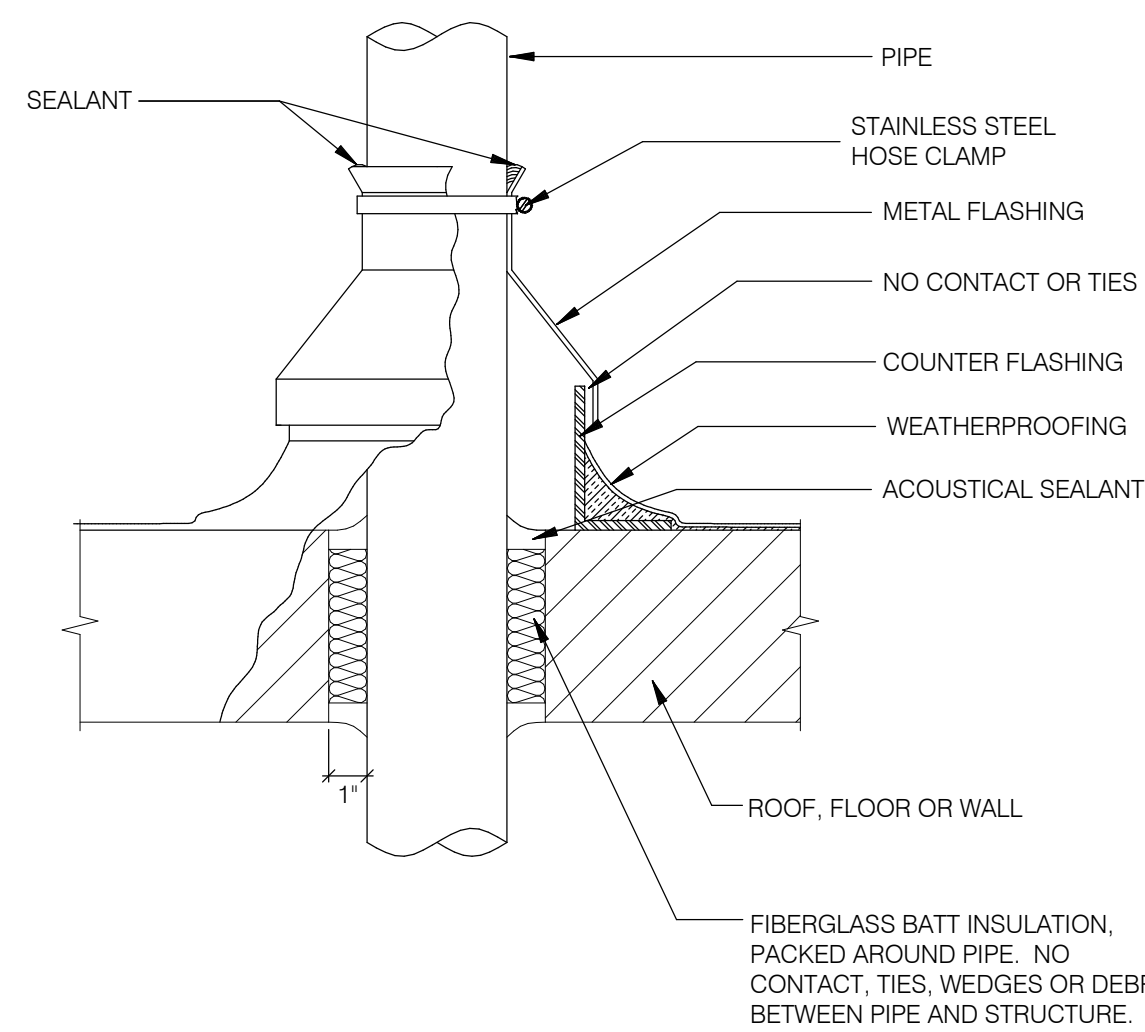
6 RACEWAY ROOF SUPPORT  
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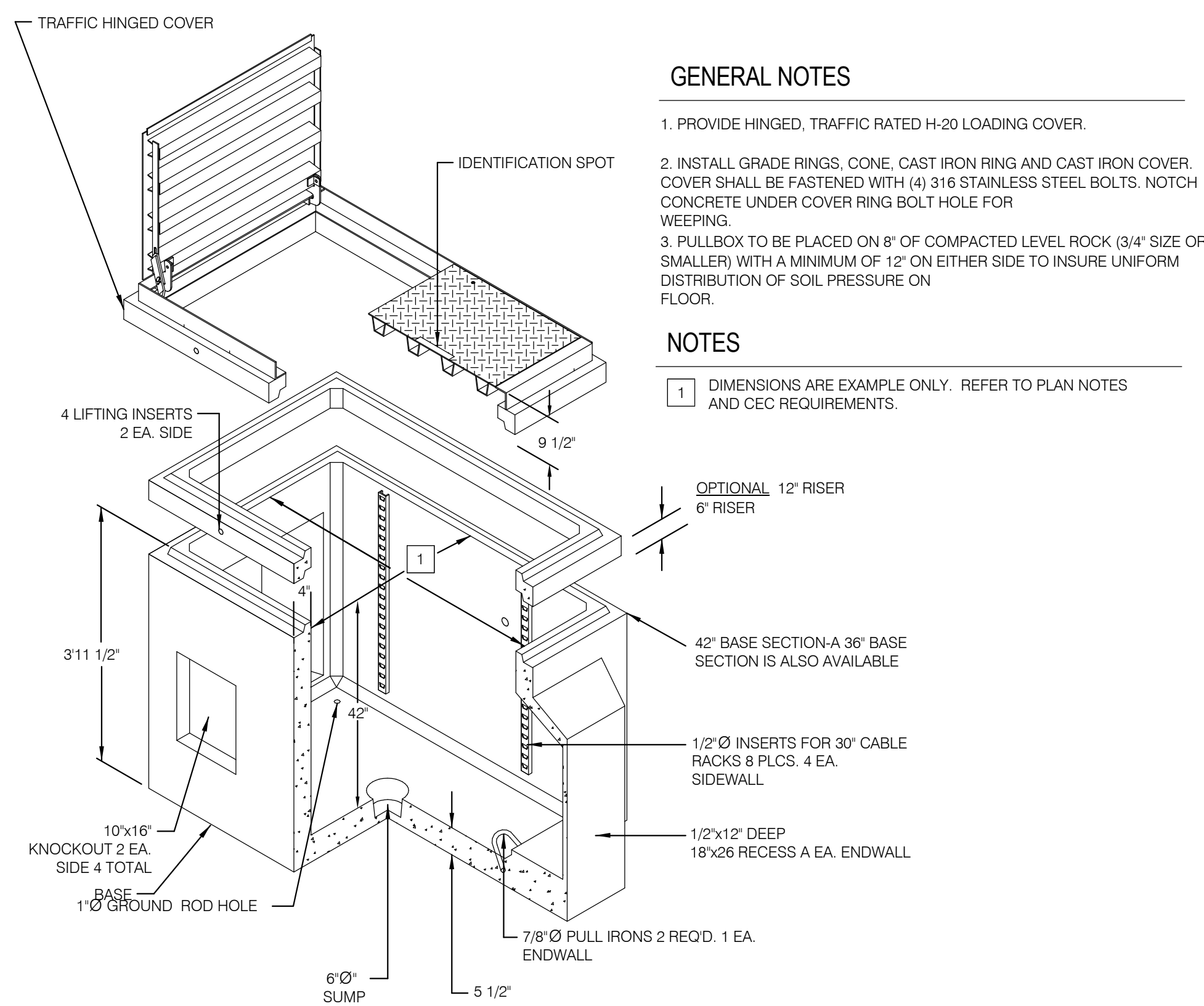
4 OUTLET BOX PUTTY SEALED  
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2 TYPICAL DUCT BANK - 600V AND LESS  
NOT TO SCALE



5 CONDUIT THROUGH ROOF  
NO SCALE

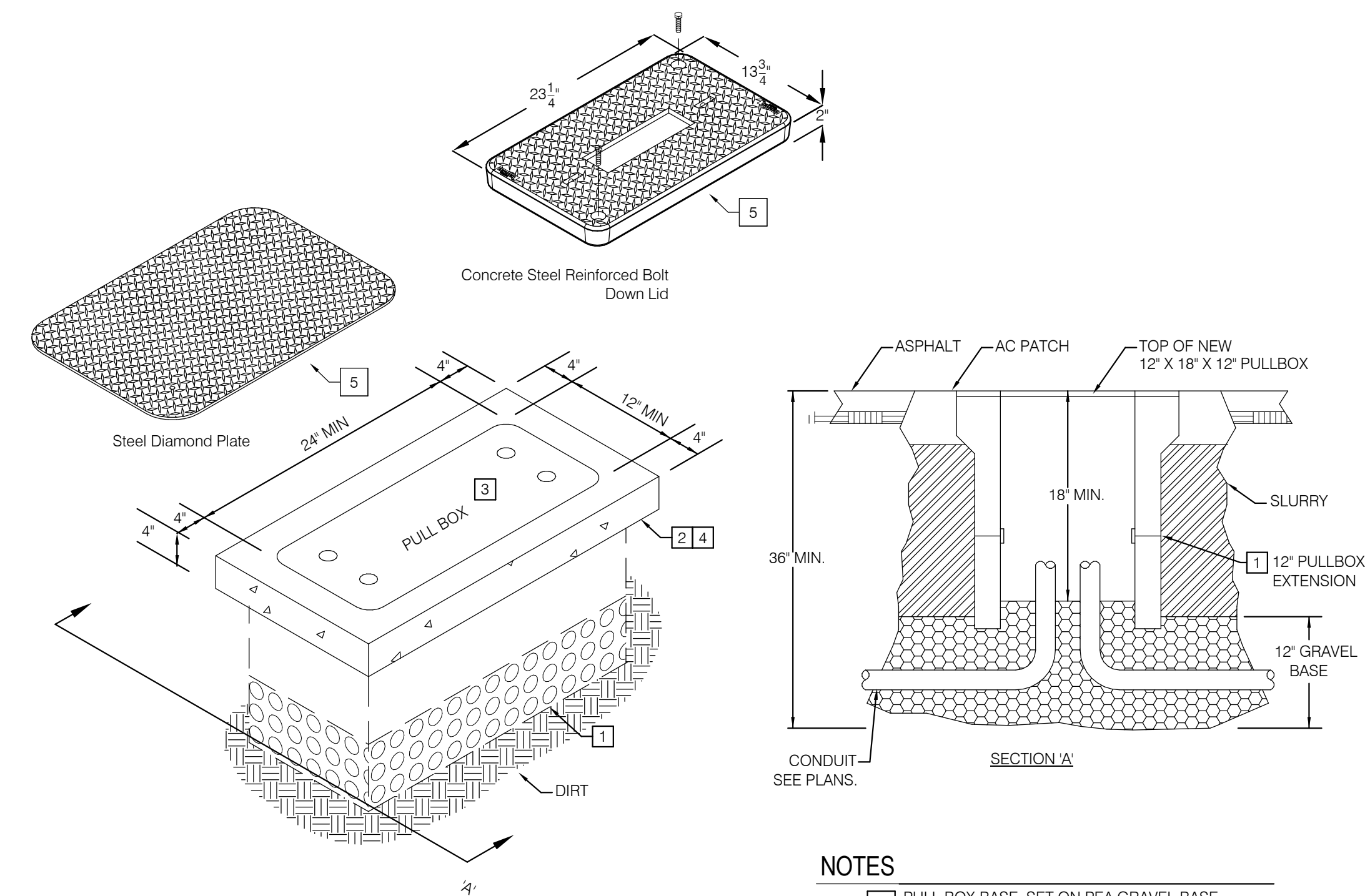


GENERAL NOTES

1. PROVIDE HINGED, TRAFFIC RATED H-20 LOADING COVER.
2. INSTALL GRADE RINGS, CONE, CAST IRON RING AND CAST IRON COVER. COVER SHALL BE FASTENED WITH (4) 3/16" STAINLESS STEEL BOLTS. NOTCH CONCRETE UNDER COVER RING BOLT HOLE FOR WEERING.
3. PULLBOX TO BE PLACED ON 8" OF COMPACTED LEVEL ROCK (3/4" SIZE OR SMALLER) WITH A MINIMUM OF 12" ON EITHER SIDE TO INSURE UNIFORM DISTRIBUTION OF SOIL PRESSURE ON FLOOR.

NOTES

1. DIMENSIONS ARE EXAMPLE ONLY. REFER TO PLAN NOTES AND CEC REQUIREMENTS.



HANDHOLE GENERAL NOTES:

1. LABEL EACH COVER RESPECTIVELY: "LIGHTING", "POWER" STEEL BOLT DOWN
2. DO NOT MIX POWER & L.V. COMM. CONDUITS.
3. COMPLY WITH RATING WHERE INSTALLED. EX. TRAFFIC AREA RATED
4. JENSEN PRECAST BOX HN1324

NOTES

1. PULL BOX BASE SET ON PEA GRAVEL BASE BENEATH PULL BOX. PROVIDE EXTENSIONS AS REQD. IN FIELD) MIN. OF (1) EXTENSION.
2. POUR 4" CONCRETE OR AC PATCH PAD AROUND EACH PULL BOX TO PREVENT SINKING BELOW GRADE, AND SLURRY COAT AROUND. SEE SECTION W.
3. PROVIDE 6-0" #6 GROUND BOND JUMPER TO COVER FROM SERVICE GROUND CONDUCTOR WITH NECESSARY APPROVED HARDWARE.
4. WATER TIGHT INSTALLATION-FOAM SEAL CONDUIT OPENINGS
5. PROVIDE BOLT/DOWN LID: TURF AREA: CONCRETE WITH STEEL RE-ENFORCE DRIVE AND WALKING PATH: STEEL DIAMOND

1 HAND HOLE  
NOT TO SCALE

SEAL



KEY PLAN

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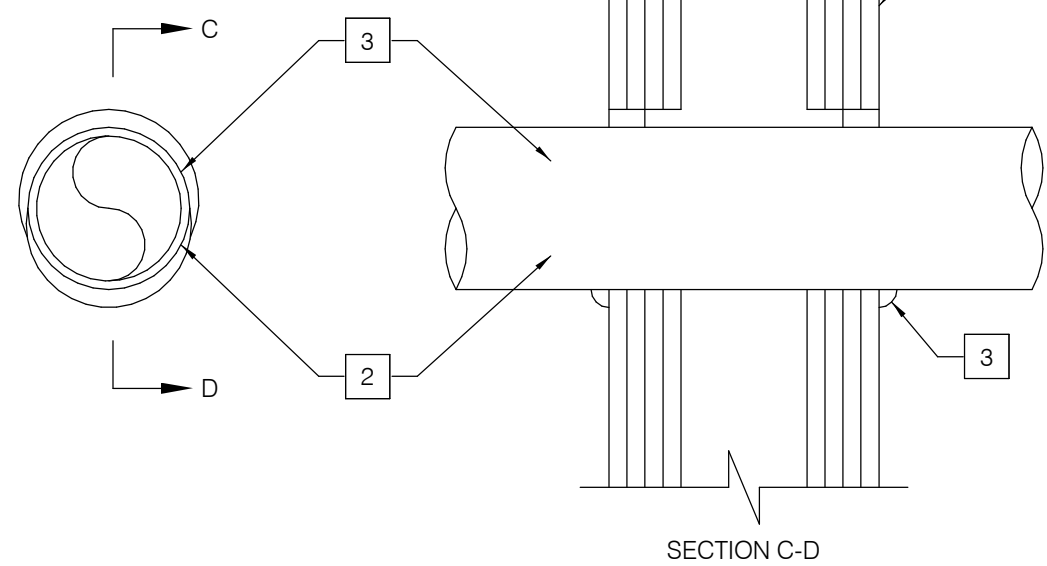
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DETAILS

PROJECT NO. 50184767

E601



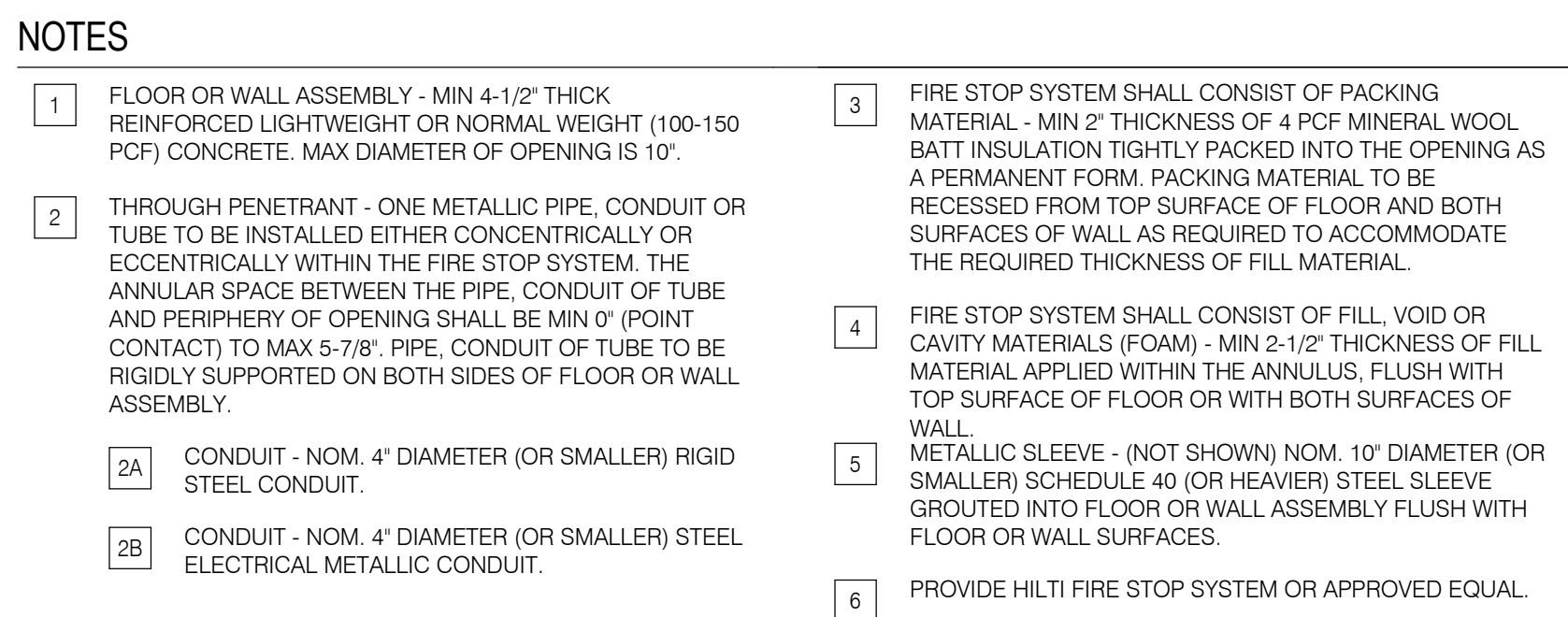


# NOTES

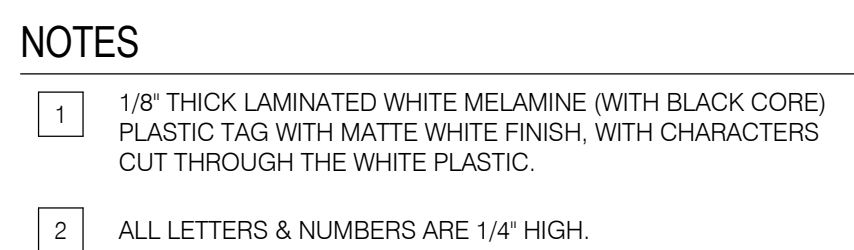
1	WALL ASSEMBLY — THE 1, 2, 3 OR 4 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U40, V400 OR W400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:	2	THROUGH PENETRANT — ONE METALLIC PIPE, CONDUIT OR TUBE TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRE STOP SYSTEM. THE ANNULAR SPACE BETWEEN THE PIPE, CONDUIT OR TUBE AND PERIPHERY OF OPENING SHALL BE MIN 5/16 IN. (POINT CONTACT TO MAX 7/8" (22 MM). PENETRANT CONDUIT OR TUBE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
A.	STUDS — WALL FRAMING SHALL CONSIST OF STEEL CHANNEL STUDS. STUDS SHALL BE MIN 3-1/2" (89 MM) WIDE SPACED MAX 24" (610 MM) OC.	A.	CONDUIT — NOM 4" (102 MM) DIAMETER (OR SMALLER) RIGID STEEL CONDUIT.
B.	GYPSUM BOARD — MIN 5/8" (16 MM) THICK WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE SPECIFIED IN THE INDIVIDUAL WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAMETER OF OPENING IS 3-3/4" (146 MM). THE HOURLY R AND FH RATINGS OF THE FIRE STOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.	B.	CONDUIT — NOM 4" (102 MM) DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC CONDUIT.
		3	FILL VOID OR CAVITY MATERIAL (SEALANT) — FILL MATERIAL APPLIED WITHIN ANNULUS. FLUSH WITH BOTH SURFACES OF WALL TYPE AND THICKNESS OF SEALANT IS DEPENDENT ON F AND FH RATINGS AS INDICATED IN TABLE BELOW. AN ADDITIONAL 1/2" (13 MM) DIAMETER BEAD OF SEALANT APPLIED AT PENETRANT/GYPSUM BOARD INTERFACE AT POINT CONTACT LOCATION ON BOTH SURFACES OF WALL.
		4	PROVIDE HILTI FIRE STOP SYSTEM OR APPROVED EQUAL.

Diagram illustrating the Link-Seal Type Wall Seal Model LS. The diagram shows a cross-section of a wall and an existing concrete wall. A conduit is shown passing through the wall, with a link seal installed on both sides. The seal is made of silicon and is packed with silicon sealant on both sides. The diagram is labeled with the following components:

- WALL
- LINK-SEAL TYPE WALL SEAL MODEL LS
- CONDUIT
- PACK WITH SILICON SEALANT BOTH SIDES (TYPICAL)
- EXISTING CONCRETE WALL



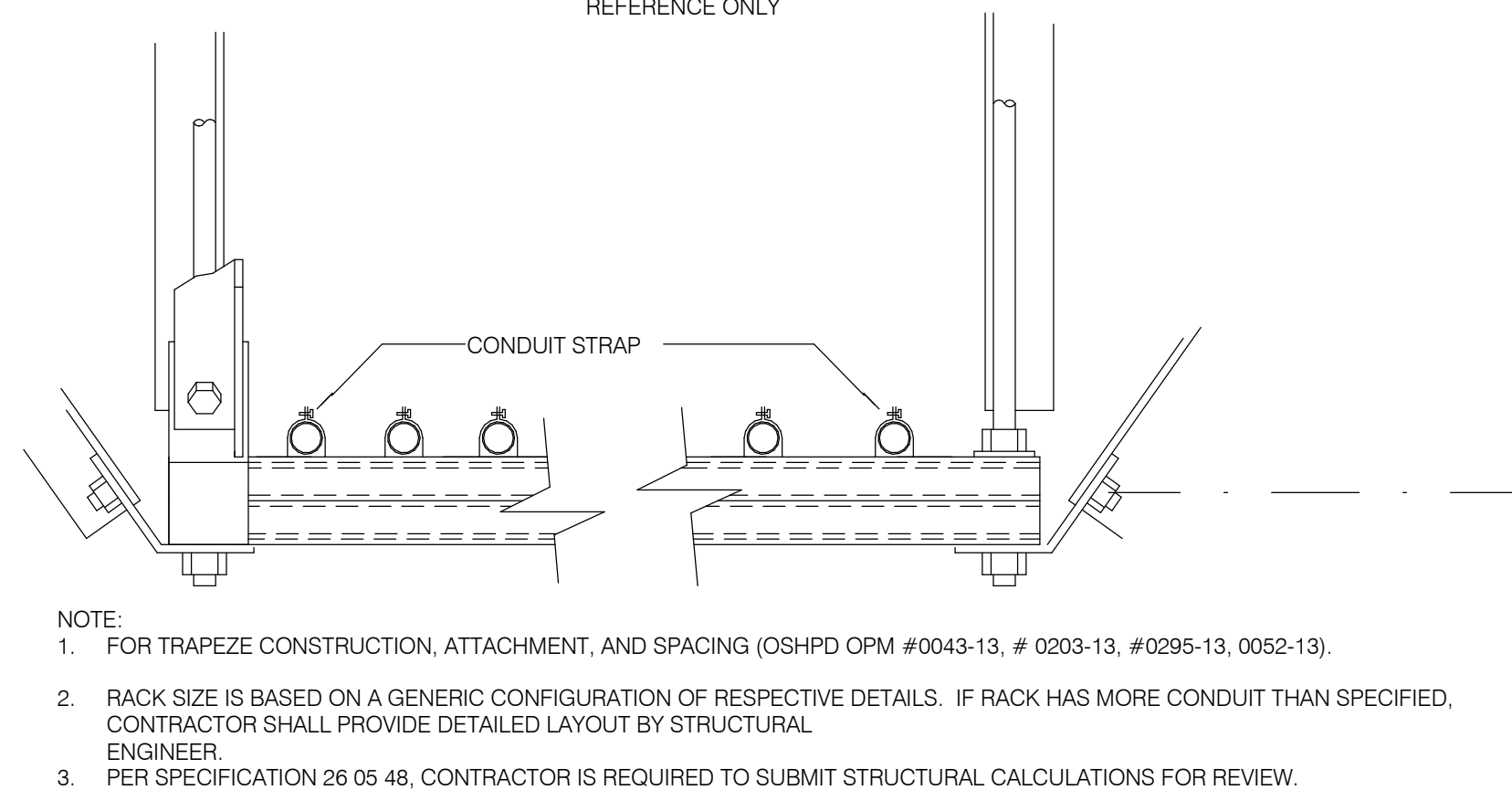
### 3 CONDUIT RISER FOR NEW CONDUITS



The diagram illustrates a vertical riser assembly. A horizontal line at the top is labeled "GRADE". Below this line, a horizontal pipe labeled "PVC" is shown, with a "COUPLING" indicated by a small rectangle. This pipe then turns 90 degrees vertically upwards. The vertical section is labeled "PVC COATED RGS". At the top of the vertical section, there is another "COUPLING" indicated by a small rectangle. The entire assembly is shown in a cross-sectional view.

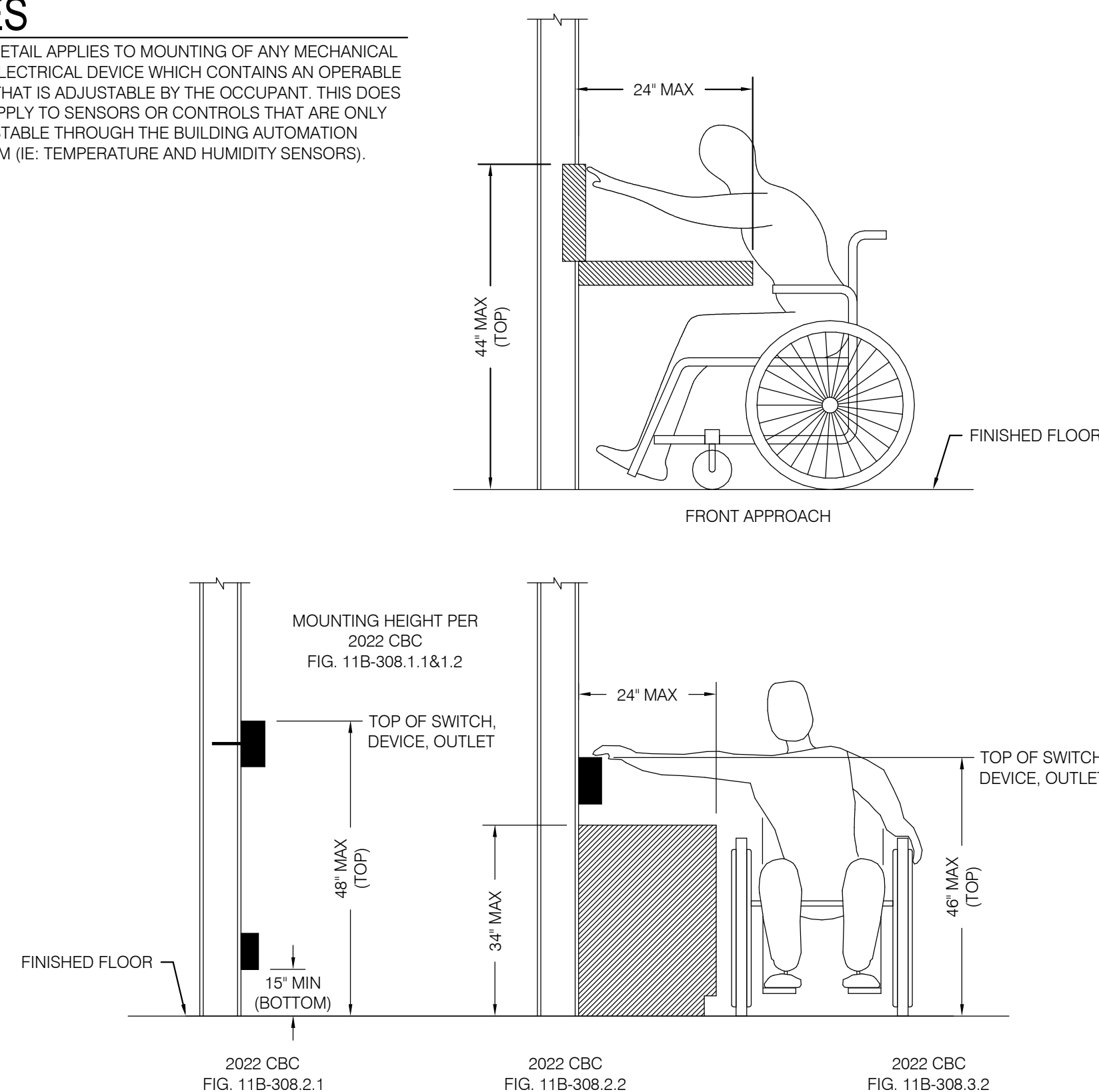
### 3 CONDUIT RISER FOR NEW CONDUITS

WIRE SIZES IN COORDINATION WITH CONDUITS				
TRADE SIZE	WIRE SIZE	QUANTITY	APPROX. WIRE WEIGHT PER 100FT.	APPROX. COMBINED WIRE AND CONDUIT WEIGHT PER 100FT.
3/4"	#10	5	3.8 LB	128 LBS
1"	#8	5	6.3 LB	192.5 LBS
1-1/4"	#6	5	9.5 LB	265.5 LB
1-1/2"	#3	5	18.9 LB	357.5 LB
2"	#2/0	5	46.2 LB	581 LB
2-1/2"	#3/0	5	57.5 LB	846.5 LB
3"	#4/0	5	71.6 LB	1085 LB
3-1/2"	250KCM	5	84.5 LB	1303 LB



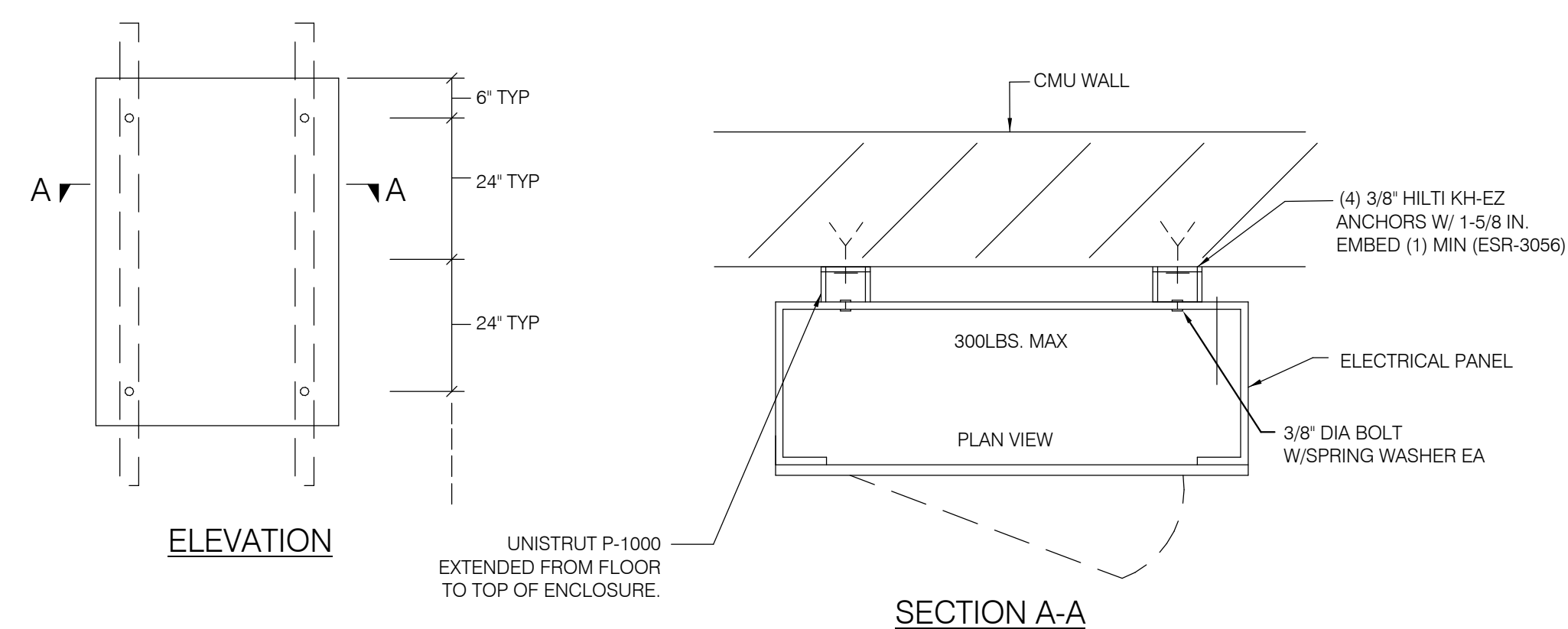
## NOTES

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).

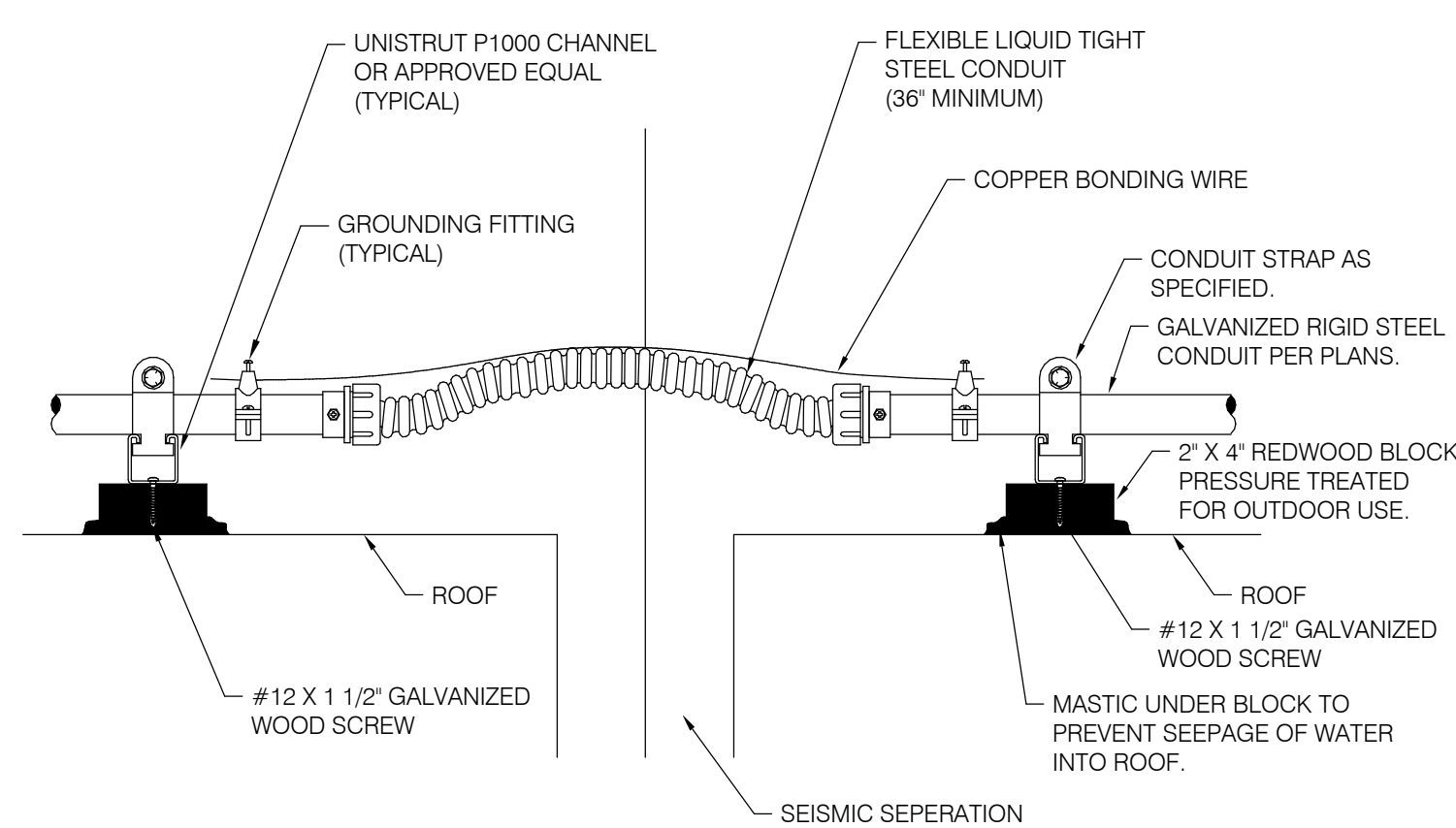


1 MOUNTING HEIGHT OVER OBSTRUCTION  
NO SCALE

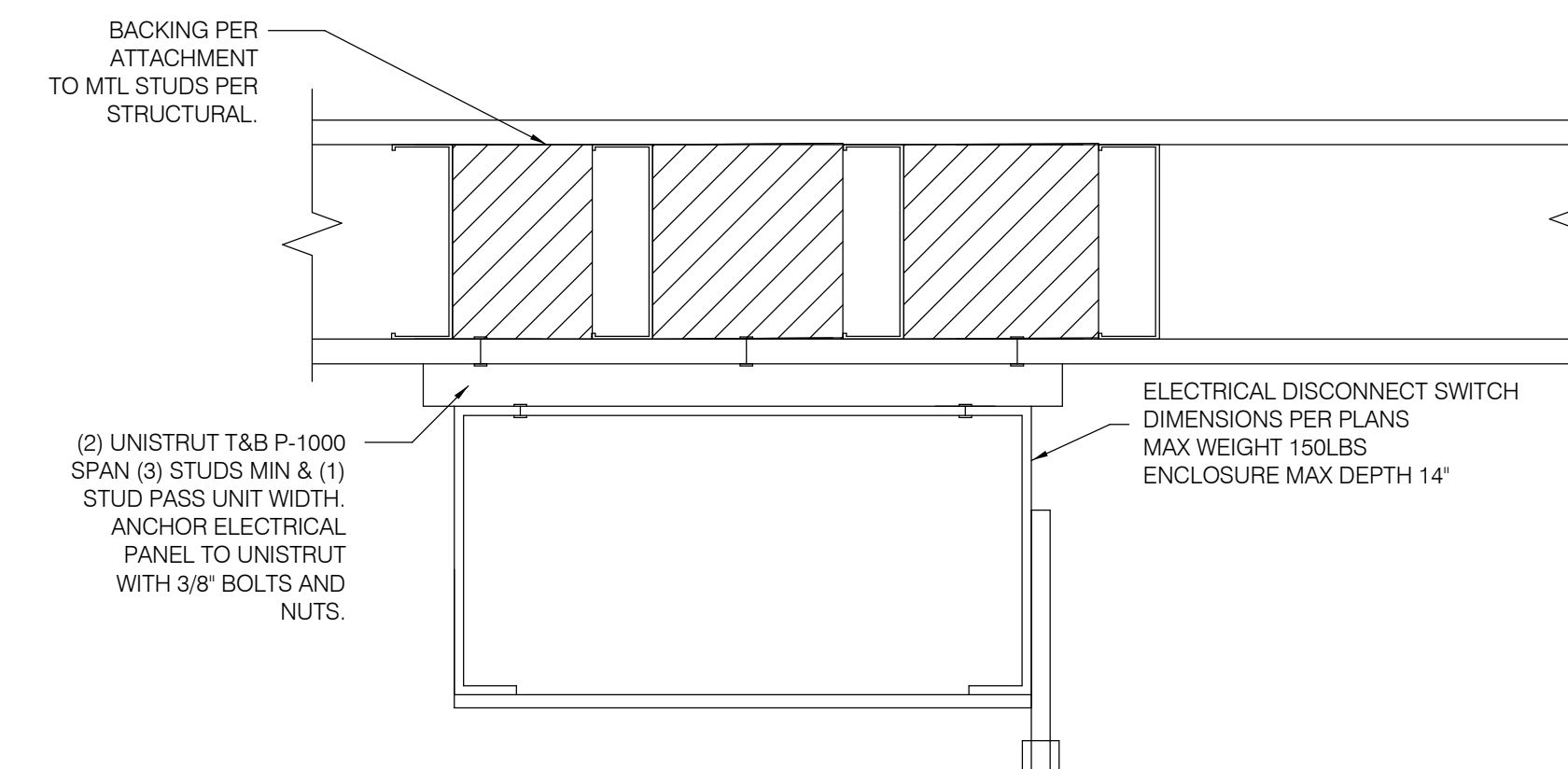




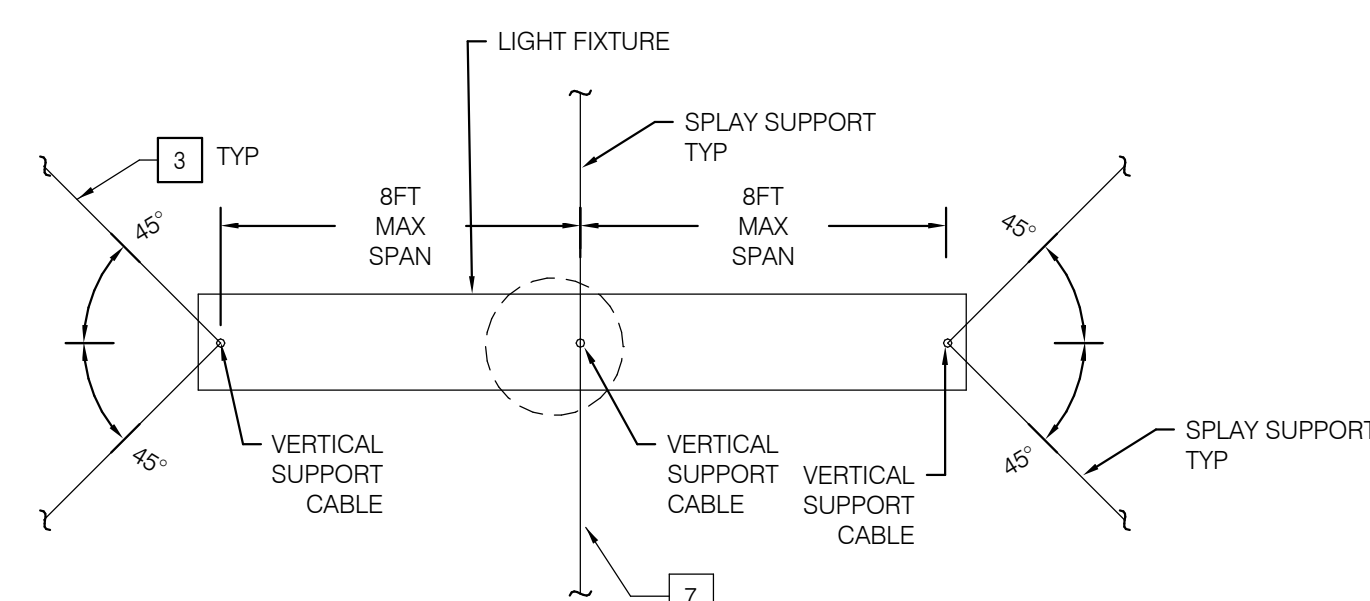
6 CMU SURFACE MOUNTED PANELBOARD/CONTROL PANEL  
NO SCALE



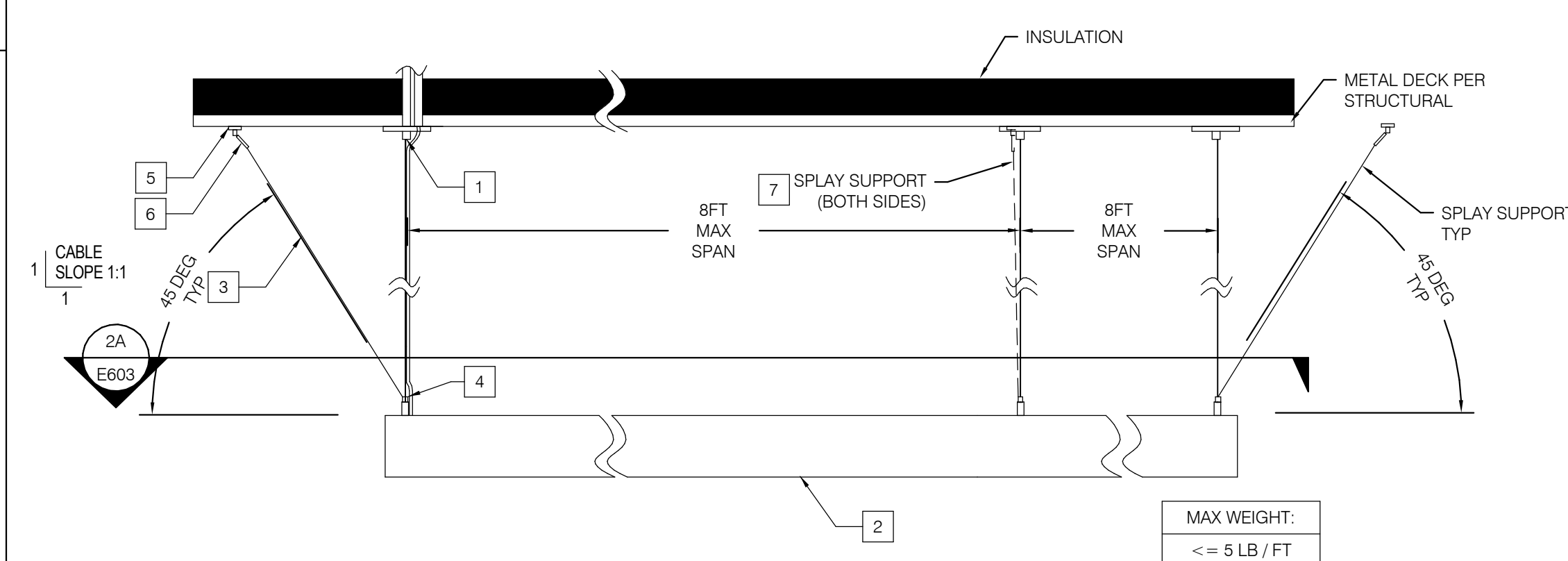
#### 4 CONDUIT SEISMIC SEPARATION JOINT



## 2 SURFACE MOUNTED SWITCH/EQUIPMENT



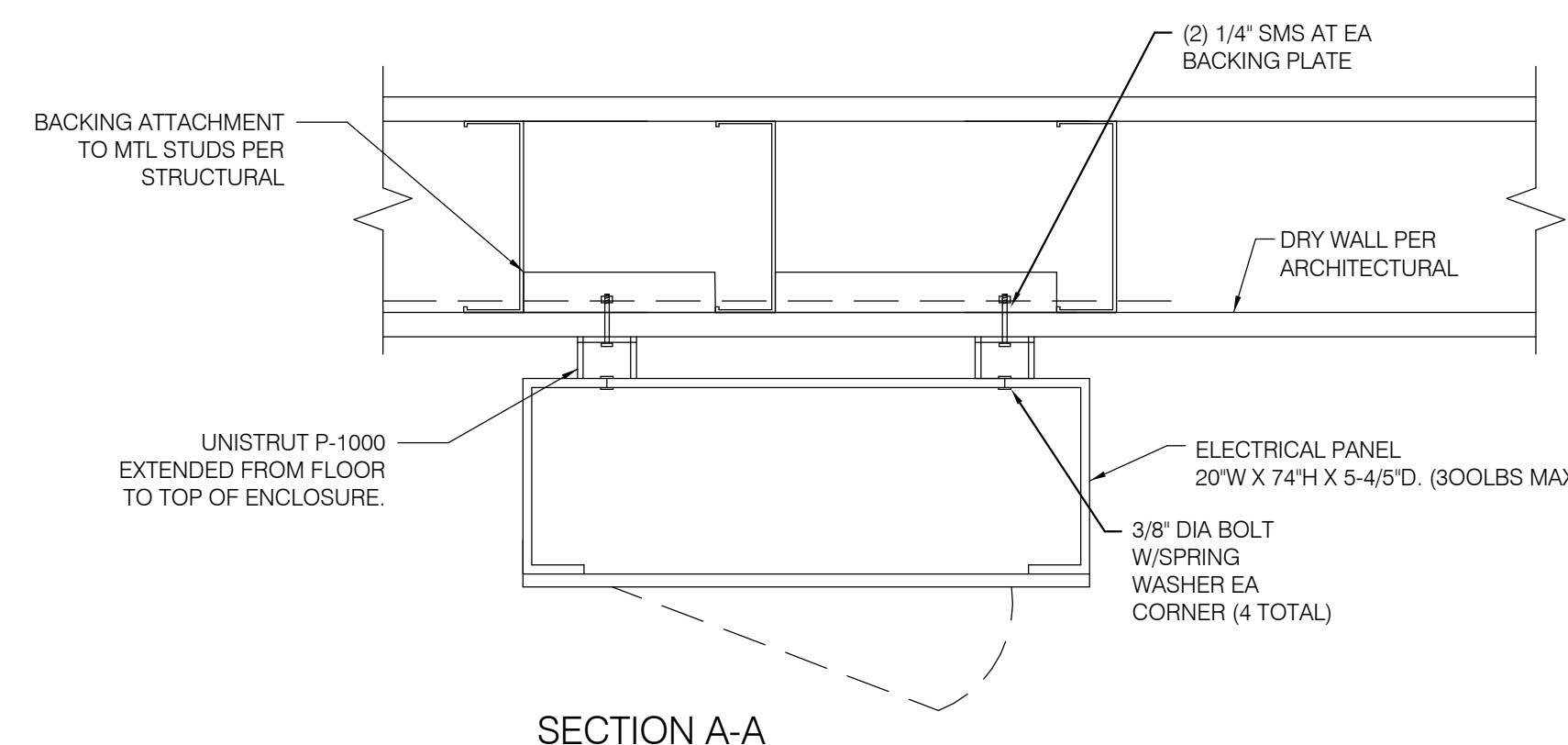
2A SPLAY BRACING  
NO SCALE



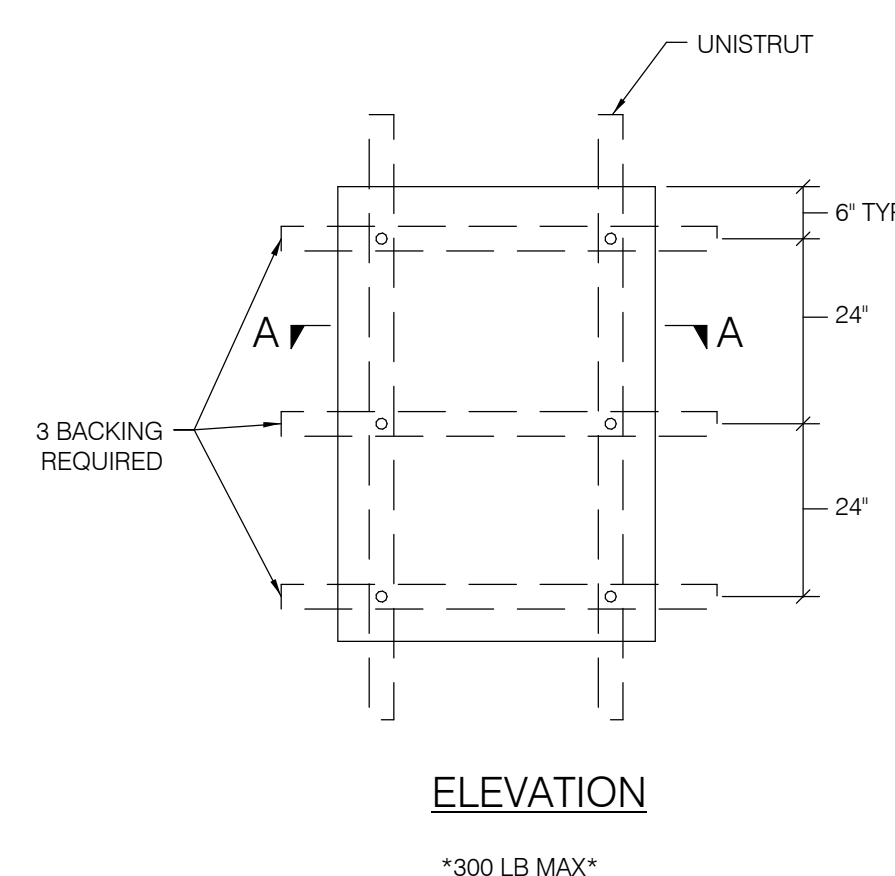
- 1 LIGHT FIXTURE MOUNTING CABLE CANOPY ASSEMBLY AND POWER CORD PER MANUFACTURER.
- 2 LINEAR LIGHT FIXTURE.
- 3 DIAGONAL SPLAY WIRES.
- 4 UNICROSS SYSTEM TO LOCK CABLE, CORD AND SEISMIC SWAY CABLE.
- 5 REFER TO STRUCTURAL DRAWINGS FOR CABLE ATTACHMENT TO STRUCTURAL DECK.
- 6 CABLE CLAMP
- 7 DIAGONAL SPLAY WIRES.

1. PROVIDE ALL CODE-COMPLIANT SEISMIC BRACING SYSTEM COMPONENT TO LIMIT MOVEMENT OF PENDANT FIXTURE THAT CANNOT SWING FREE A MINIMUM OF 45 DEGREE IN ALL DIRECTION.
2. IF THERE ARE INSTANCES WHERE LIGHT FIXTURES FEED POINTS OR SUPPORT SYSTEM MAY BE UNDER DUCTWORK OR OTHER EQUIPMENT, CONTRACTOR SHALL PROVIDE UNISTRUT MOUNTING (PER STRUCTURAL ENGINEER REVIEW AND APPROVAL PRIOR TO CONSTRUCTION) STRADDLING THE DUCTWORK.
3. REFER TO STRUCTURAL FOR ATTACHMENTS TO STRUCTURAL DECK.

## 5 PENDANT LIGHT FIXTURE MOUNTING

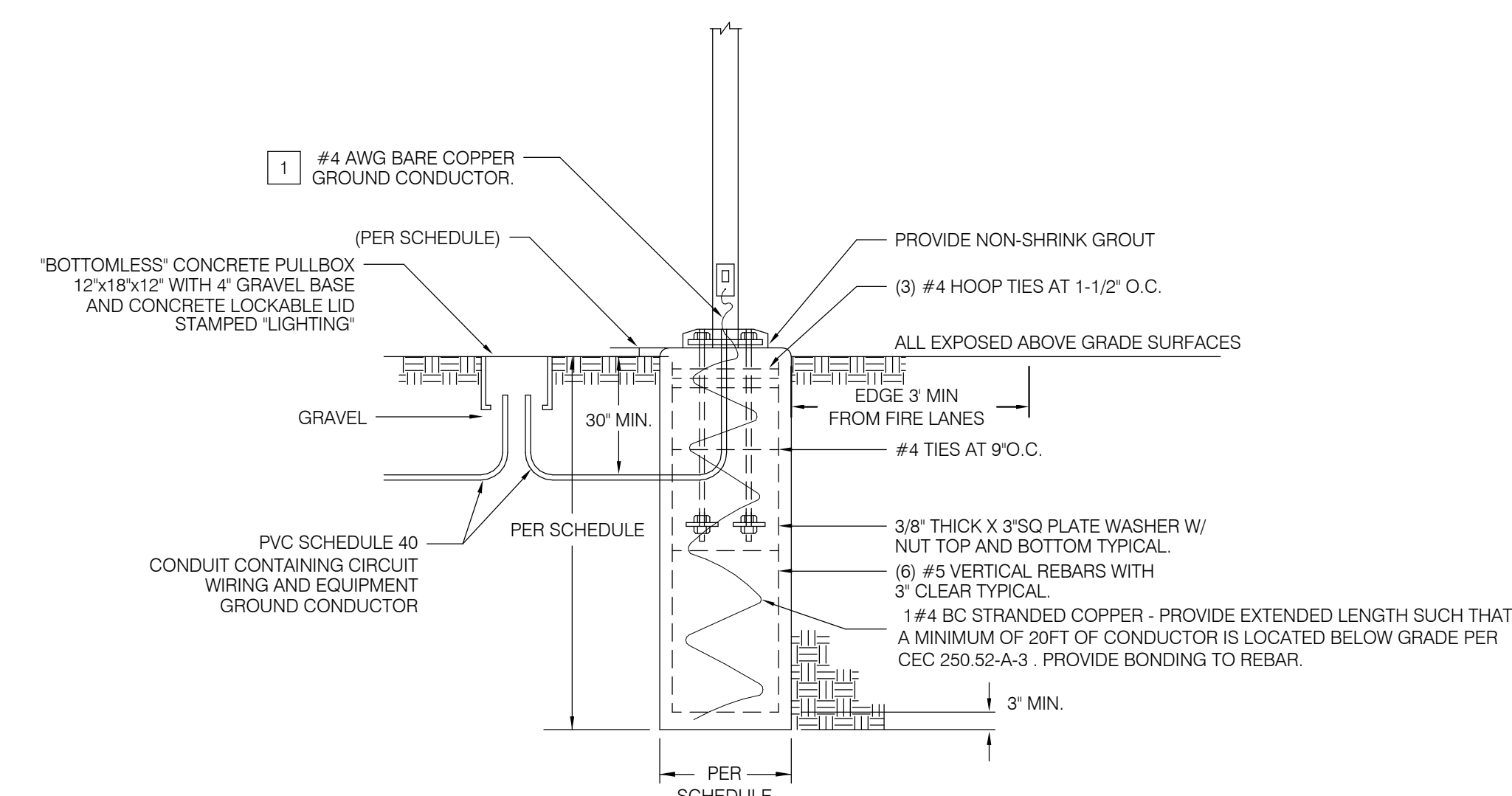


SECTION A-A

ELEVATION

\*300 LB MAX\*

### 3 SURFACE MOUNTED PANELBOARD

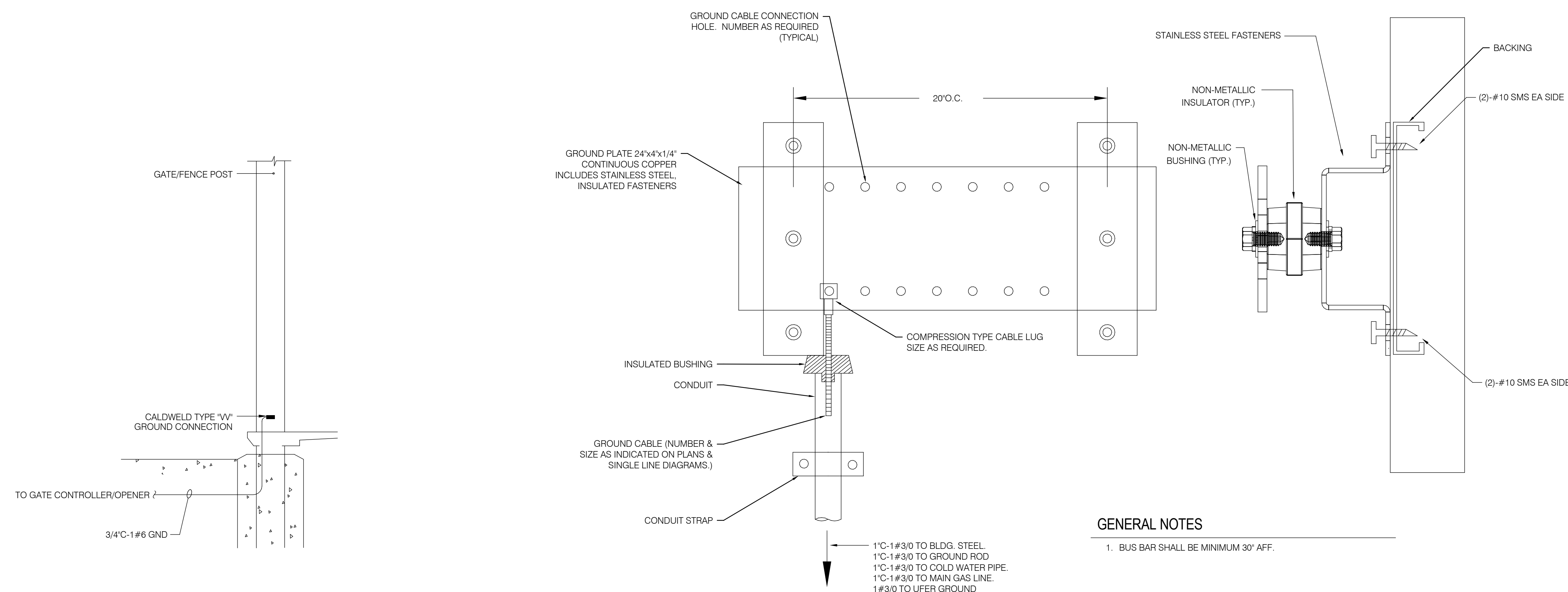


- 1 GROUND POLE TO GROUND CONDUCTORS IN CONDUITS.

LIGHT POLE FOOTING SCHEDULE			
POLE HEIGHT	FOOTING HEIGHT BELOW GRADE	FOOTING DIAMETER	FOOTING HEIGHT ABOVE GRADE
0'-0" UP TO 15'-0"	4'-0"	2'-0"	6"
15'-1" UP TO 30'-0"	6'-0"	2'-0"	6"

## 1 LIGHTPOLE FOOTING DETAIL

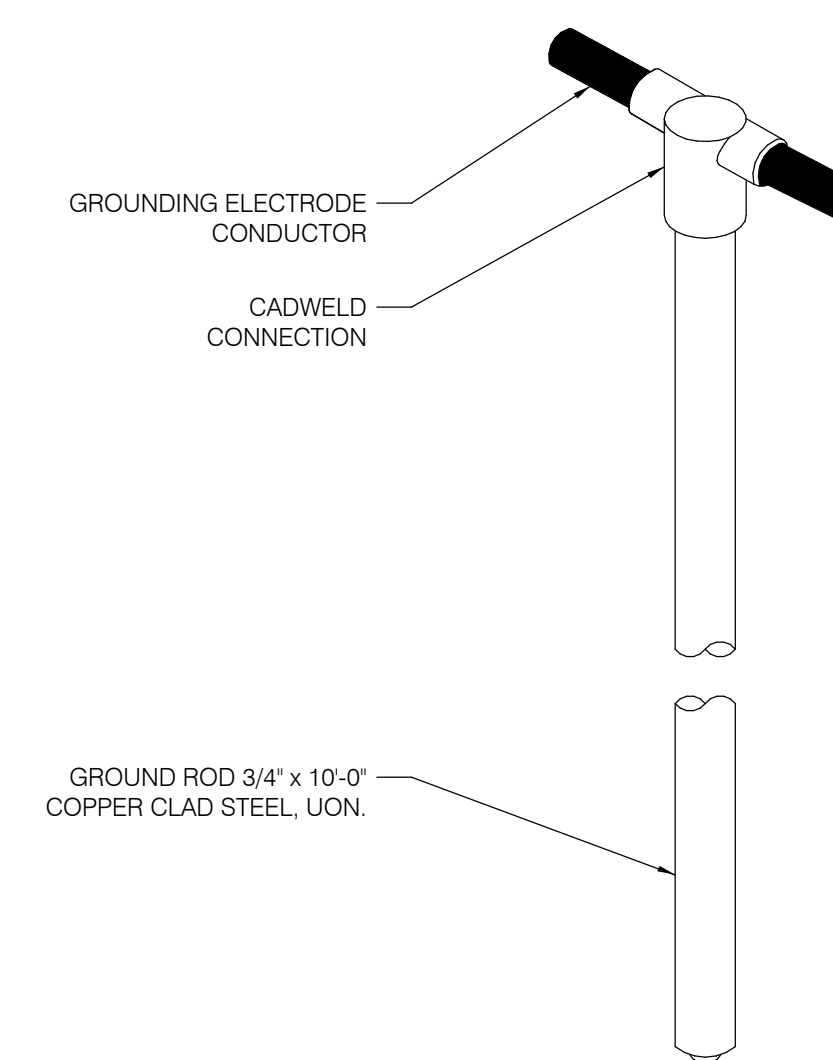




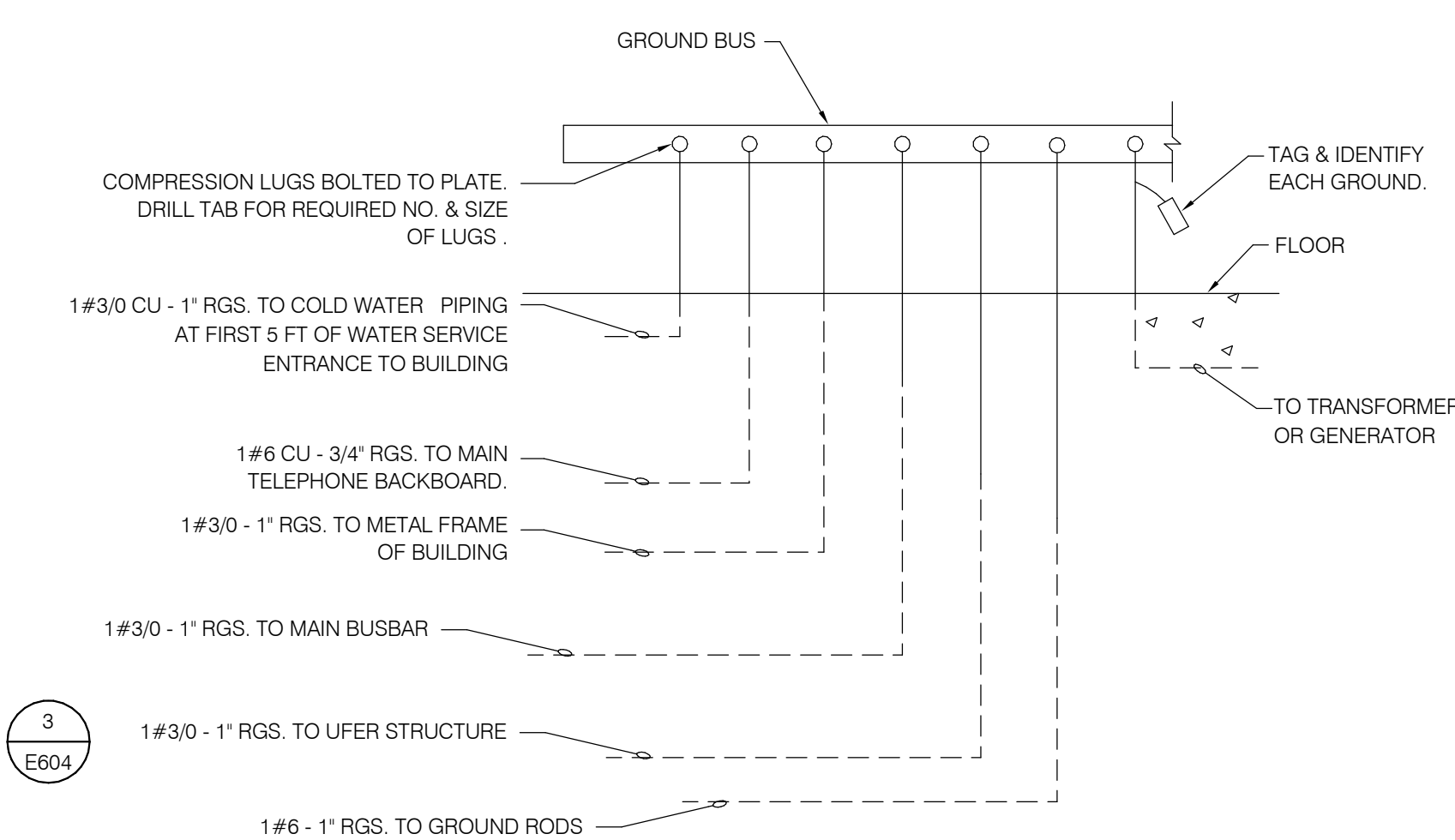
## 6 POST GROUNDING DETAIL

NO SCALE

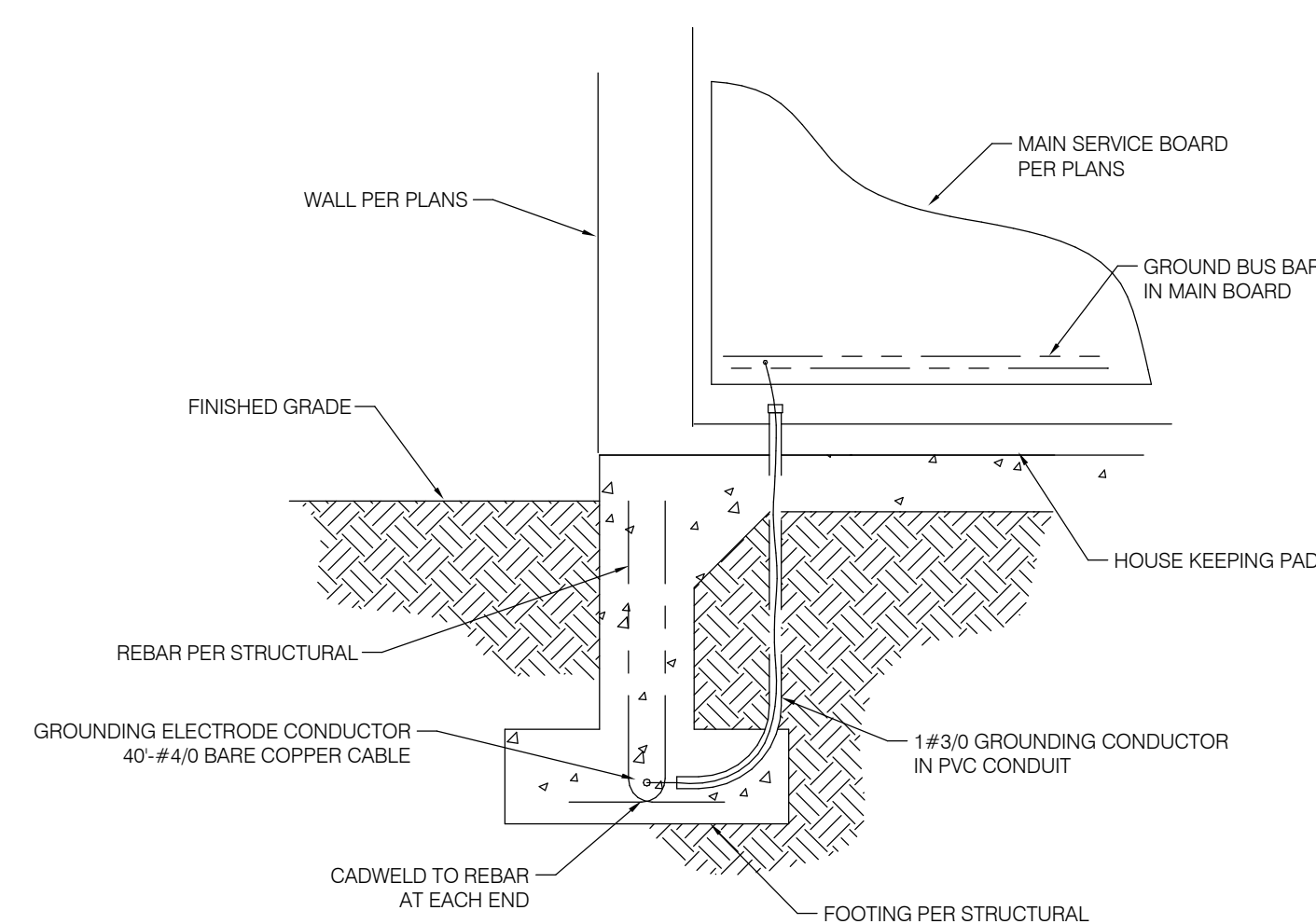
#### 4 GROUNDING BUS BAR



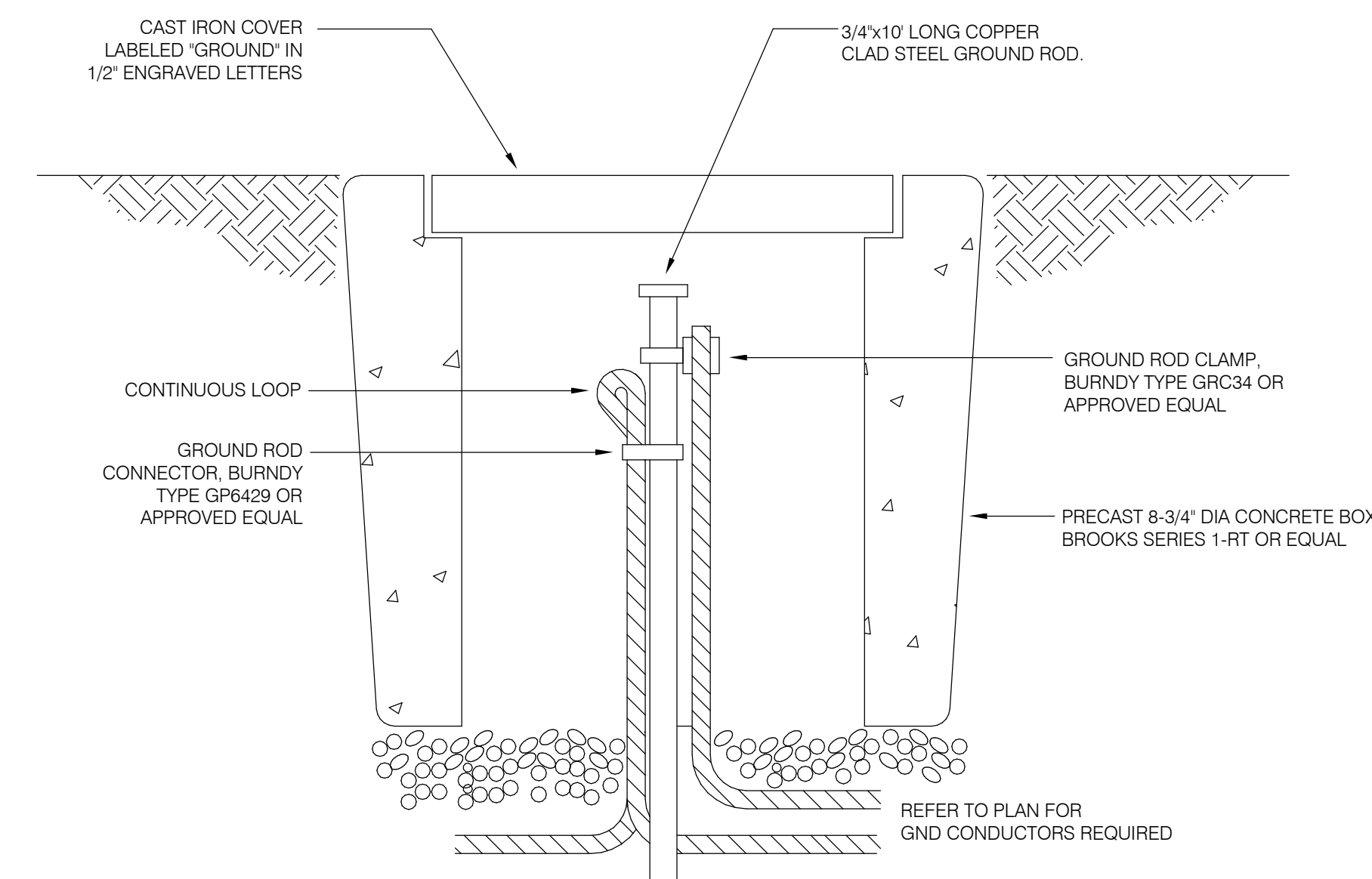
2 GROUND ROD  
NO SCALE



## 5 SWITCHBOARD GROUNDING



3 UFER GROUND  
NO SCALE



# 1 GROUND ROD AND WELL



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

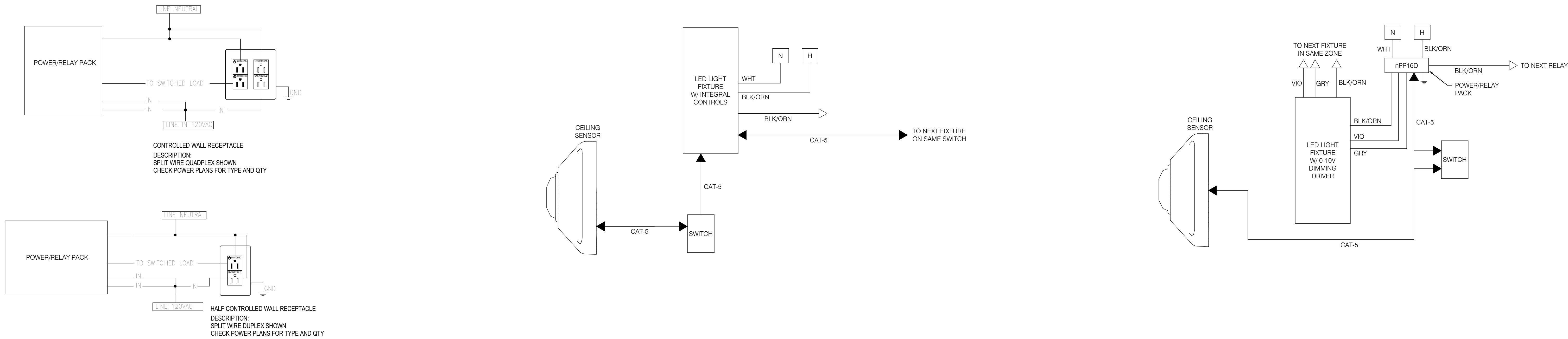
DRAWN BY C Arranaga  
APPROVED BY C Arranaga  
CHECKED BY L Henderson  
DATE 10/29/2025  
TITLE

DETAILS

PROJECT NO. 50184767

E605

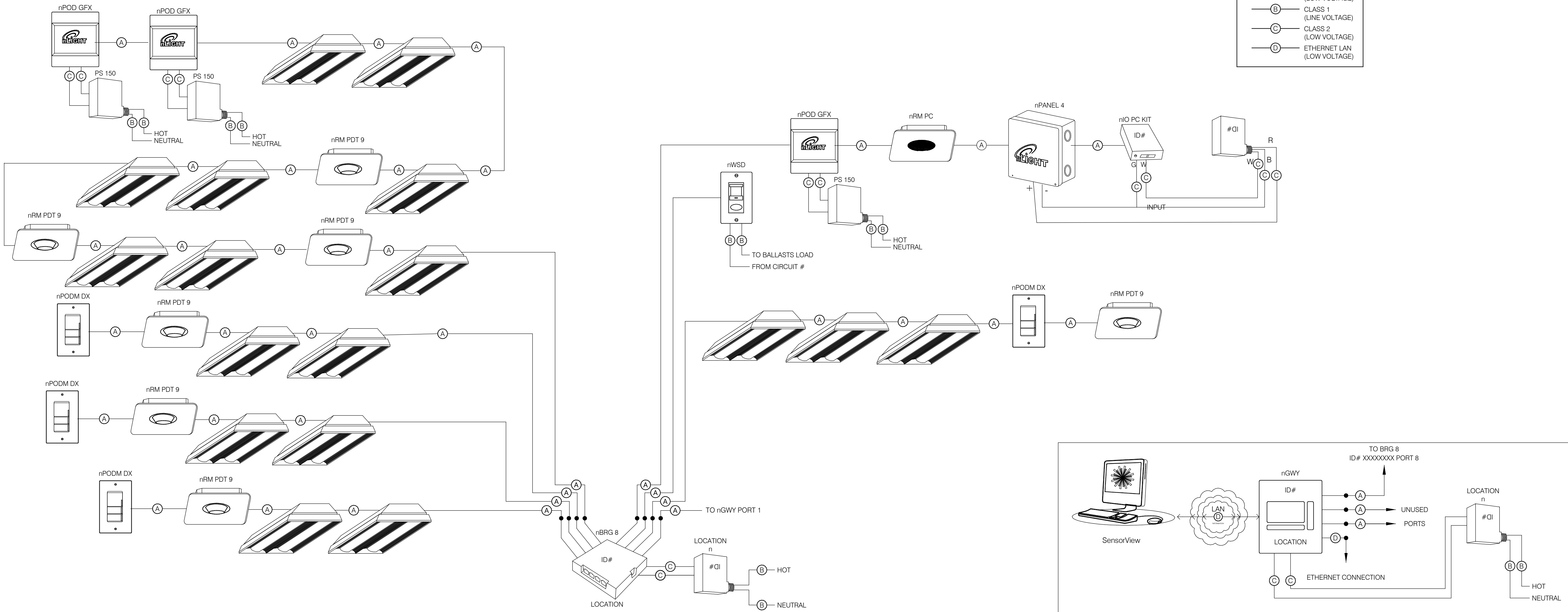
SHEET NO.  
P2S No. J25-0014



4 CONTROLLED RECEPTACLE WIRING DIAGRAM - TYPICAL  
NO SCALE

3 NLIGHT ENABLED FIXTURE WIRING DIAGRAM - TYPICAL  
NO SCALE

2 DIMMABLE DRIVER FIXTURE WIRING DIAGRAM - TYPICAL  
NO SCALE



1 TYPICAL WIRING DIAGRAM  
NO SCALE







## ELECTRIC WATER HEATER

MARK	MANUFACTURER MODEL	LOCATION	TYPE	SERVICE	TANK VOLUME (GALLON)	RECOVERY @ ΔT=80°F	TEMPERATURE		TANK SIZE		ELECTRICAL REQUIREMENTS				OPERATING WEIGHT (LBS)	DETAIL REF. NUMBER	REMARKS
							IN (°F)	OUT (°F)	DIAMETER (IN)	HEIGHT (IN)	KW	VOLTS	FLA	PHASE			
EW4-1	BRADFORD WHITE CEHD50(A)(273)°CF	W.H. 115	ELECTRIC RESISTANCE TANK TYPE	DOMESTIC HOT WATER	50	140 GPH	60	140	24	50-5/8	27	208	75	3	719	1/P603	HEAVY DUTY COMMERCIAL UPRIGHT ELECTRIC WATER HEATER. INCLUDES SIX 4500W ELEMENTS. ASME RATED TANK. INTEGRAL T&P RELIEF VALVE. VITRAGLAS LINING. COMPLIANT WITH DOE STANDBY LOSS REQUIREMENTS.
EW4-2	BRADFORD WHITE LE330S-3	W.H. 153	ELECTRIC RESISTANCE TANK TYPE	DOMESTIC HOT WATER	30	58 GPH	60	140	20	49	11	208		3	350	1/P603	LIGHT DUTY COMMERCIAL UPRIGHT ELECTRIC WATER HEATER. INCLUDES TWO 3500W ELEMENTS (SIMULTANEOUS OPERATION). INTEGRAL T&P RELIEF VALVE. VITRAGLAS LINING. COMPLIANT WITH DOE STANDBY LOSS REQUIREMENTS.

## CIRCULATING PUMP SCHEDULE

MARK	MODEL & MANUFACTURER	LOCATION	TYPE	SERVICE	CAPACITY (GPM)	HEAD (FT.)	ELECTRICAL DATA					O/F WEIGHT (LBS.)	DETAIL REF.	REMARKS
							AMPS	WATTS	VOLT	PHASE	HERTZ			
CP-1	GRUNDFOS UPS26-99 SFC	W.H. 115	IN-LINE	DOMESTIC HW SYSTEM	1	1.3	1.8	150-197	120	1	60	12	2/P6.03	3-SPEED WET ROTOR CIRCULATOR, SET @ SPEED 1, MAX WORKING PRESSURE = 150 PSI, MAXIMUM OPERATING TEMPERATURE = 230°F. PROVIDE GRUNDFOS 1" CLIP-ON AQUISTAT.
CP-2	GRUNDFOS UPS26-99 SFC	W.H. & JAN 153	IN-LINE	DOMESTIC HW SYSTEM	1	1.3	1.8	150-197	120	1	60	12	2/P6.03	3-SPEED WET ROTOR CIRCULATOR, SET @ SPEED 1, MAX WORKING PRESSURE = 150 PSI, MAXIMUM OPERATING TEMPERATURE = 230°F. PROVIDE GRUNDFOS 1" CLIP-ON AQUISTAT.

## DOMESTIC EXPANSION TANK SCHEDULE

MARK	MODEL MANUFACTURER	LOCATION	TYPE	SERVICE	TANK VOLUME (GAL)	MAX ACCEPT FACTOR	FACORY PRE- CHARGE PRESSURE (PSIG)	MAX OPER TEMP (°F)	MAX WORKING PRESSURE (PSIG)	TANK SIZE DIA (IN)	HGT (IN)	SYSTEM CONNT SIZE (NPT)	OPER WEIGHT (LBS)	DETAIL REF.	REMARKS
DET-1	AMTROL ST-SC-DD	W.H. 115	IN-LINE	DOMESTIC HW SYSTEM	2	0.45	55	200	150	8	14	3/4	27	3/P603	CONSTRUCTION PER ASME BOILER PRESSURE VESSEL CODE STEEL CONSTRUCTION PRE-CHARGE 55 PSIG PROVIDE AMTROL FILL-TROL VALVE AS PART OF THE INSTALLATION. TANK PRESSURE SHALL BE SET TO MATCH INCOMING SUPPLY PRESSURE TO BUILDING.
DET-2	AMTROL ST-SC-DD	W.H. & JAN 153	IN-LINE	DOMESTIC HW SYSTEM	2	0.45	55	200	150	8	14	3/4	27	3/P603	CONSTRUCTION PER ASME BOILER PRESSURE VESSEL CODE STEEL CONSTRUCTION PRE-CHARGE 55 PSIG PROVIDE AMTROL FILL-TROL VALVE AS PART OF THE INSTALLATION. TANK PRESSURE SHALL BE SET TO MATCH INCOMING SUPPLY PRESSURE TO BUILDING.

## MASTER MIXING STATION SCHEDULE

[illegible]

NOTE: INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND MANUFACTURER PIPING DIAGRAMS

## PIPING MATERIALS

1.	DRAIN PIPING SEWER (S), WASTE (W), GREASE WASTE (GW) & STORM DRAIN (SD) <u>BELOW GRADE</u> :	CAST IRON "NO-HUB" PIPE CONFORMING TO CISPI 301 AND ASTM A 888 WITH NEOPRENE GASKET AND HEAVY DUTY, SHIELDED, STAINLESS-STEEL 4 OR 6 BAND COUPLINGS. PIPE WRAP ON ALL UNDERGROUND PIPING.
2.	DRAIN PIPING SEWER (S), WASTE (W), GREASE WASTE (GW) & STORM DRAIN (SD) <u>ABOVE GRADE</u> :	CAST IRON "NO-HUB" PIPE CONFORMING TO CISPI 301 AND ASTM A 888 WITH NEOPRENE GASKET AND HEAVY DUTY, SHIELDED, STAINLESS-STEEL 4 OR 6 BAND COUPLINGS.
3.	VENT (V) PIPE FOR SEWER & WASTE <u>ABOVE GRADE</u> :	CAST IRON "NO-HUB" PIPE CONFORMING TO CISPI 301 AND ASTM A 888 WITH NEOPRENE GASKET AND STANDARD, SHIELDED, STAINLESS-STEEL 2 OR 4 BAND COUPLINGS.
4.	DOMESTIC WATER (CW, HW, HWR) PIPING <u>BELOW GRADE</u> :	TYPE "K" COPPER TUBING, HARD DRAWN CONFORMING TO ASTM B 88, WITH WROUGHT COPPER FITTINGS AND LEAD-FREE BRAZED JOINTS. AVOID UNNECESSARY JOINTS BELOW SLAB. PIPE WRAP ALL UNDERGROUND PIPING.
5.	DOMESTIC WATER (CW, HW, HWR) PIPING <u>ABOVE GRADE</u> :	TYPE "L" COPPER TUBING, HARD DRAWN CONFORMING TO ASTM B 88, WITH WROUGHT COPPER SOLDER SWEAT FITTINGS AND LEAD-FREE SOLDER JOINTS.
6.	CONDENSATE DRAIN (CD) PIPING:	TYPE "L" COPPER TUBING, HARD DRAWN CONFORMING TO ASTM B 88, WITH WROUGHT COPPER SOLDER SWEAT FITTINGS AND LEAD-FREE SOLDER JOINTS. ALL CONDENSATE DRAIN PIPING WITHIN THE BUILDING SHALL BE INSULATED. ALL EXPOSED PIPING INCLUDING OVERFLOW CONDENSATE SHALL BE PAINTED TO MATCH WALL AND/OR CEILING COLOR. COORDINATE COLOR WITH ARCHITECT.
7.	INSULATION OF DOMESTIC HOT WATER SUPPLY (HW), RETURN (HWR) AND CONDENSATE DRAIN (CD) PIPING:	GLASS FIBER PIPE INSULATION WITH FACTORY-APPLIED JACKET CONFORMING TO ASTM C547. INSULATION SHALL HAVE A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE FOR UP TO 2 INCHES IN DIAMETER. INSULATION WALL THICKNESS SHALL NOT BE LESS THAN 2 INCHES FOR PIPES 2 INCHES AND 2 INCHES OR MORE IN DIAMETER. SEAL ALL JOINTS WITH THE FACTORY-APPLIED, SELF-SEAL LAP AND BUTT STRIPS. JOHNS MANVILLE MICRO-LOK HP OR EQUAL.
8.	PIPE PROTECTION: ALL UNDERGROUND METALLIC PIPE WHETHER BURIED OR ENCASED SHALL BE WRAPPED WITH ANTI-CORROSIVE 40 MIL PVC TAPE OR PRIMED OR INSTALLED IN 8 MIL POLYETHYLENE SLEEVE CONFORMING TO ASTM D-1248 AND/OR AISI/AWWA C1054.21.	
9.	PIPE PROTECTION: PROVIDE NON-CONDUCTING DIELECTRIC CONNECTIONS JOINING DISSIMILAR METALS.	
10.	PIPE PROTECTION: ALL EXPOSED METALLIC PIPE IN SUPPORT SPACES OPEN TO ATMOSPHERE SHALL BE PAINTED WITH RUST INHIBITING PAINT.	
11.	TRACER WIRE: ALL UNDERGROUND PLASTIC PIPE SHALL BE INSTALLED WITH INSULATED COPPER WIRE, TYPE TW, SIZE AWG#12 PLACED AND SECURED ON TO THE TOP OF THE MAINS AND BRANCHES WITH ALL WIRE TO WIRE CONNECTIONS SOLDERED FOR CONTINUITY.	
12.	QUALITY ASSURANCE: THE PIPING SYSTEMS SHALL BE CONSTRUCTED FROM MATERIALS EXTRUDED AND MOLDED USING THE SAME COMPOUND MANUFACTURER.	
13.	QUALITY ASSURANCE: BOTH THE PIPE AND FITTINGS SHALL BE MANUFACTURED IN NORTH AMERICA (MUELLER INDUSTRIES) AND MEET OR EXCEED THE REQUIREMENTS SET FORTH BY THE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) AND ANS/ANSI STANDARDS 14 AND 61.	

## FIXTURE SCHEDULE

MARK	FIXTURE	MINIMUM PLUMBING ROUGH-INS					FLOW RATE	REMARKS
		CW	HW	S / W	V	SO / OD		
WC-1	WATER CLOSET (ACCESSIBLE)	1-1/2"	-	4"	2"	-	1.28 GPF	AMERICAN STANDARD 'AFWALL' 3351 101 WALL-MOUNTED TOILET, VITREOUS CHINA, ELONGATED BOWL, 1-1/2" TOP SPUD, COMPLETE WITH SLOAN ROYAL LESS-128-TWO-HW, SENSOR-OPERATED, HARDWIRED, VACUUM BREAKER, EXPOSED FLUSHMETER @ 1.28 GPF WITH TRUE MECHANICAL OVERRIDE FLUSH BUTTON, CHURCH MODEL 850SSJCT HEAVY-DUTY ELONGATED OPEN FRONT TOILET SET WHITE IN COLOR WITH STAINLESS STEEL BOLT. PROVIDE JURN ZN1031-NDA CARRIER FOR BACK-TO-BACK INSTALLATIONS AND JURN - SINGLE INSTALLATIONS. MOUNT AT ACCESSIBLE HEIGHT. (REFER TO ARCHITECTURAL DRAWINGS FOR ADA MOUNTING HEIGHTS).
WC-2	WATER CLOSET (STANDARD)	1-1/2"	-	4"	2"	-	1.28 GPF	SAME AS WC-1 EXCEPT MOUNTED AT <u>STANDARD HEIGHT</u> . (REFER TO ARCHITECTURAL DRAWINGS FOR NON-ADA MOUNTING HEIGHTS).
PF-1	WATER CLOSET / LAVATORY COMBO (HOLDING CELL)	1-1/2"	-	4"	2"	-	1.28 GPF	ACORN ENGINEERING 1449-LO-2-DMS-EVSP1-BRS-1-28-EVSP-CO1 STAINLESS STEEL, ADA, WATERCLOSET/LAVATORY COMBO UNITWITH OFFSET TOILET AND D-SHAPED LAVATORY BOWL.
PF-2	WATER CLOSET / LAVATORY COMBO (HOLDING CELL)	1-1/2"	-	4"	2"	-	1.28 GPF	ACORN ENGINEERING 1449-RO-2-DMS-EVSP1-BRS-1-28-EVSP-CO1 STAINLESS STEEL, ADA, WATERCLOSET/LAVATORY COMBO UNITWITH OFFSET TOILET AND D-SHAPED LAVATORY BOWL.
U-1	URINAL (ACCESSIBLE)	1-1/2"	-	-	2"	1-1/2"	0.125 GPM	AMERICAN STANDARD "WASH-BROK" FLOWISE 6590 001, WALL-HUNG, VITREOUS CHINA, WITH 1" TOP SPUD INLET, COMPLETE WITH SLOAN ROYAL 186ESS-0 125-TWO-HW OPERATED, HARDWIRED SENSOR OPERATED FLUSHMETER @ 0.125 GPM AND MIFAB SUPPLY CARRIER MOUNTED AT ACCESSIBLE HEIGHT. REFER TO ARCHITECTURAL DRAWINGS FOR ADA MOUNTING HEIGHT.
L-1	LAVATORY - COUNTER MOUNTED- (ACCESSIBLE)	3/4"	3/4"	2"	1-1/2"	-	0.35 GPM	AMERICAN STANDARD 'AQUALYN 0476-026 DROP IN COUNTER-MOUNTED, VITREOUS CHINA, 3-HOLE 4" CENTER SET LAVATORY, COMPLETE WITH CHICAGO FAUCET 420-E39VPBCP, 0.35 GPM, MANUAL, CARTRIDGE TYPE, 4" CENTER SET FAUCET, SUPPLY WITH MCGUIRE PW155WC DRAIN, MCGUIRE PRE-INSULATED P-TRAP WITH PRE-INSULATED FITTINGS, DAHL-ECO, LOOSE KEY ANGLE STOPS 616SS-53-31.
L-2	LAVATORY - WALL MOUNTED- (ACCESSIBLE)	3/4"	3/4"	2"	1-1/2"	-	0.35 GPM	AMERICAN STANDARD 'LUCERNE' 0355 012, WALL-HUNG, VITREOUS CHINA, 3-HOLE, 4" CENTER SET LAVATORY, COMPLETE WITH CHICAGO FAUCET 420-E39VPBCP, 0.35 GPM, MANUAL, CARTRIDGE TYPE, 4" CENTER SET FAUCET, SUPPLY WITH MCGUIRE PW155WC DRAIN, MCGUIRE PRE-INSULATED P-TRAP WITH PRE-INSULATED FITTINGS, DAHL-ECO, LOOSE KEY ANGLE STOPS 616SS-53-31.
SH-1	SHOWER (ACCESSIBLE)	3/4"	3/4"	2"	1-1/2"	-	1.5 GPM	SYMMONS TEMPTROL MODEL C-96-500-830-V-X SHOWER SYSTEM, PRESSURE BALANCING MIXING VALVE WITH INTEGRAL STOPS, ADJUSTABLE HAND SPRAYER WITH FLEXIBLE MATE HOSE, 30" SHUR BAR MOUNT, LEVERTROL DIVERTER, INTEGRAL VOLUME CONTROL, 1.5 FLOW RATE, INSTALL IN ACCORDANCE WITH ADA REQUIREMENTS.
SH-2	SHOWER	3/4"	3/4"	-	-	-	1.5 GPM	SYMMONS TEMPTROL C-96-1-295-X SHOWER SYSTEM, PRESSURE BALANCING MIXING VALVE WITH LIMIT HANDLE AND 1.5 GPM FLOW RESTRICTOR.
MS-1	MOP SINK	3/4"	3/4"	3"	2"	-	-	AMERICAN STANDARD 'FLOWWELL' MODEL 7741 811 ENAMELED CAST IRON, CORNER FLOOR MOUNTED SERVICE SINK WITH NO. 7746 811 REMOVABLE, VINYL RIM GUARD AND NO.7721-038 GRID STRAINER, COMPLETE WITH CHICAGO FAUCET 891-CO MOUNTED FAUCET WITH ATMOSPHERIC VACUUM BREAKER, INTEGRAL, HOT/COLD WATER STOPS, SPOUT WITH PAUL HOOK, WALL BRACE, STAINLESS STEEL MOP HANGER BRACKET, STERN WILLIAMS MODEL 1-235 HEAVY DUTY HOSE (36" LONG) W/ WALL BRACE AND STERN WILLIAMS MODEL BP-1-28 STAINLESS STEEL SPRAY-GUARD PANELS.
S-1	BREAK ROOM SINK	3/4"	3/4"	2"	1-1/2"	-	1.5 GPM	JUST MFG. SLADA21-25A5-1, 18 GA. 304 STAINLESS STEEL, DROP-IN, 25"W x 21-1/4"L x 5-3/8" DEEP, SINGLE COMPARTMENT SINK, WITH 4" ON CENTER 4 HOLE PUNCHING, AND REAR CENTER DRAIN. PROVIDE WITH MOEN 87897, DECK-MOUNTED, SINGLE HOLE, HIGH ARCH SPOUT FAUCET WITH FULL DOWN SPRAYER AND 68" BRANDED HOSE, 1.5 GPM FLOW RESTRICTOR. PROVIDE WITH MCGUIRE PW155WC OFFSET GRID STRAINER, MCGUIRE PW689NCO PRE-WARPPED 1-1/2" P-TRAP AND CHICAGO FAUCET 1013-ABCP ANGLE STOPS, PROVIDE WITH MINISKINER BADOER 5 FOOD DISPOSER (1/2 HP / 120V / 60Hz) COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
S-2	HAND SINK	3/4"	3/4"	2"	1-1/2"	-	1.5 GPM	JUST MFG. SL1771A-1, 18 GA. 304 STAINLESS STEEL, DROP-IN, 17"W x 17-1/2"L x 7-5/8" DEEP, SINGLE COMPARTMENT SINK, WITH CENTER DRAIN. PROVIDE WITH CHICAGO FAUCET 420-ABCP, DECK-MOUNTED, SINGLE HOLE, MANUAL FAUCET WITH 1.5 GPM FLOW RESTRICTOR. PROVIDE WITH MCGUIRE PW155WC OFFSET GRID STRAINER, MCGUIRE PW689NCO PRE-WARPPED 1-1/2" P-TRAP AND CHICAGO FAUCET 1013-ABCP ANGLE STOPS.
DF-1	DRINKING FOUNTAIN (ACCESSIBLE W/ BOTTLE FILLER)	3/4"	-	2"	1-1/2"	-	-	ELKAY 'EZ420" MODEL EZ2SLBWSK B-LEVEL WALL-MOUNTED DRINKING FOUNTAIN WITH BOTTLE FILTER STATION, FILTERED AND WITH 8.0 GPH CHILLED WATER OUTPUT. COMPLETE WITH MOUNTING SUPPORT BRACKET, WASTE STAINER AND STAINLESS STEEL ACCESS PANEL. INSTALL BOTTLE FILLER ON LOW ADA SIDE OF THE DRINKING FOUNTAIN FOR FULL ADA COMPLIANCE. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR. (115V 60HZ / F.L.A. 5.0 / 370W).
HB-1	HOSE BIBB (RECESSED)	3/4"	-	-	-	-	-	ACORN 8151 STAINLESS STEEL RECESSED HOSE BOX WITH WALL FLANGE, 18 GAUGE 304 STAINLESS STEEL FRAME AND DOOR, INTEGRAL SCREW DRIVER STOP, COMPLETE WITH LOCKABLE DOOR AND VACUUM BREAKER, FREEZE RESISTANT.
HB-2	HOSE BIBB (ROOF)	1"	-	-	-	-	-	ZURN Z1388XL EXPOSED, LEAD-FREE, NON-FREEZE ROOF HYDRANT. PROVIDE WITH VACUUM BREAKER OPTION. REFER TO DETAIL 1/P802.
HB-3	HOSE BIBB (WALL SURFACE MOUNTED)	3/4"	-	-	-	-	-	WOODFORD V26 VERTICAL TOP INLET, COMMERCIAL WALL MOUNTED HOSE BIBB WITH ANTI-SIPHON, VACUUM BREAKER PROTECTED. INCLUDES ASSE 1052 MODEL 50HF BACKFLOW PREVENTER.
TP-1	TRAP PRIMER (PRESSURE TYPE)	1/2"	-	-	-	-	-	PPP MODEL PR-500 PRESSURE ACTIVATED TRAP PRIMER PROVIDE WITH DISTRIBUTION UNIT DU-U AS NEEDED AND INSTALL, BEHIND ACCESS PANEL.
TP-2	TRAP PRIMER (ELECTRONIC TYPE)	1/2"	-	-	-	-	-	PPP MINI-PRIME MODEL MPB-500-12V, BATTERY OPERATED TRAP PRIMER WITH BOX, COMPLETE WITH 1/2" COPPER TYPE 1" PIPE TO RECEPTOR. PROVIDE DISTRIBUTION UNIT AS REQUIRED.
WHA-1	WATER HAMMER ARRESTOR	-	-	-	-	-	-	PPP MODEL SC-1000 WATER HAMMER ARRESTOR, RISTON TYPE, SIZED BASED ON FIXTURE UNITS.
FD-1	FLOOR DRAIN	1/2"TP	-	2"	1-1/2"	-	-	WATTS RD-1100L FLOOR DRAIN, EPOXY COATED CAST IRON REVERSIBLE CLAMPING COLLAR, ANCHOR FLANGE, PRIMARY AND SECONDARY WEEPHOLES, COMPLETE CORROSION RESISTANT STAINLESS STEEL STRAINER AND TRAP PRIMER CONNECTION.
SHD-1	SHOWER DRAIN	-	-	2"	1-1/2"	-	-	WATTS RD-1100-L FLOOR DRAIN, EPOXY COATED CAST IRON, REVERSIBLE CLAMPING COLLAR, ANCHOR FLANGE, PRIMARY AND SECONDARY WEEPHOLES, COMPLETE CORROSION RESISTANT STAINLESS STEEL STRAINER AND TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK	1/2"TP	-	2' 3"	1-1/2" / 2"	-	-	ZURN Z190ZDN-NR-2 12"x12"x2" DEEP FLOOR SINK, CAST IRON BODY WITH ACID RESISTANT PORCELAIN COATED INTERIOR NICKEL BRONZE FRAME, HALF GRATE, AND INTERIOR DOME STRAINER.
FOO	FLOOR CLEANOUT	-	-	SEE PLANS	-	-	-	ZURN Z1400 FLOOR CLEANOUT, HEAVY DUTY "LEVEL-TRAP" GAS AND WATER TIGHT ABS TAPPED THREAD PLUG, AND POLISHED NICKEL BRONZE TIGHT-DUTY TOP.
WCO	WALL CLEANOUT	-	-	SEE PLANS	-	-	-	WATTS MODEL CO-500-RD THREADED BRASS CLEANOUT PLUG WITH COUNTERSINK HEAD, STAINLESS STEEL, ACCESS COVER AND VANDAL PROOF STAINLESS STEEL SCREW. WATTS MODEL CO-460-RD FOR STACK CLEANOUT APPLICATIONS.
DWB-1	OUTLET BOX (DISH WASHER)	3/4"	3/4"	2"	1-1/2"	-	-	GUY GRAY WASHING MACHINE BOX MODEL 82371, FIRE RATED, RECESSED WHITE PLASTIC BOX WITH FRAME, 2" DRAIN CONNECTION WITH INTEGRAL WATER HAMMER ARRESTOR AND QUARTER TURN VALVES.
OB-1	OUTLET BOX (COW ONLY)	1/2"	-	-	-	-	-	GUY GRAY MODEL 82417, FIRE RATED, RECESSED WHITE PLASTIC BOX WITH FRAME, WITH INTEGRAL WATER HAMMER ARRESTOR AND QUARTER TURN VALVES.
VC-1	VENT CAP	-	-	-	-	SEE PLANS	-	WATTS RD-680-VC EPOXY COATED CAST IRON VENT CAP WITH VANDAL PROOF COVER. PROVIDE AT ALL VENT THRU ROOF PENETRATIONS.
RD-1	ROOF DRAIN	-	-	-	-	SEE PLANS	-	ZURN Z165 8-3/8" DIAMETER COMBINATION MAIN ROOF AND OVERFLOW DRAIN. DURA COATED CAST IRON, COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD, ROOF DRAIN UNDERDECK CLAMP ASSEMBLY, TOP SET DECK PLATE AND LOW SILHOUETTE IRON DOMES.
OD-1	OVERFLOW DRAIN	-	-	-	-	SEE PLANS	-	ZURN Z165 8-3/8" DIAMETER COMBINATION MAIN ROOF AND OVERFLOW DRAIN. DURA COATED CAST IRON, COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD, ROOF DRAIN UNDERDECK CLAMP ASSEMBLY, TOP SET DECK PLATE AND LOW SILHOUETTE IRON DOMES. 2" HIGH WATER DAM.
DS-1	DOWNSPOUT NOZZLE	-	-	-	-	SEE PLANS	-	ZURN Z199-DC STAINLESS STEEL HINGED DOWNSPOUT COVER.
DSB-1	DOWNSPOUT BOOT	-	-	-	-	SEE PLANS	-	JAY R. SMITH 178X-XX-CA CAST IRON DOWNSPOUT BOOT. PROVIDE WITH 2" CLEANOUT ACCESS. REFER TO DETAIL SP604.
SJ-1	SEISMIC JOINT	2"	-	-	-	-	-	METRAFLX MODEL MS8020 METRALOOP EXPANSION JOINT. 'LEAD-FREE' APPROXIMATE DIMENSIONS: 13-3/8" LENGTH AND 24-3/4" END TO END, WEIGHT = 12 LBS

NOTE:

A. ALL FIXTURES SHALL BE PROVIDED WITH MINIMUM ROUGH-IN CONNECTIONS AS INDICATED IN THIS SCHEDULE OR PER MANUFACTURERS RECOMMENDATIONS. THE PLUMBING CONTRACTOR SHALL RUN ALL SERVICE LINES, ROUGH-IN AND MAKE FINAL CONNECTIONS TO ALL FIXTURES. PLUMBING CONTRACTOR SHALL FURNISH AND SHALL ALL TRIMS, FLUSH VALVES, TAILPIECES, STRAINERS, P-TRAPS, TRAP ARMS, HOT & COLD WATER STOPS AND FAUCETS AS REQUIRED.

B. ALL FIXTURES AND/OR COMPONENTS AS PART OF THE PLUMBING SYSTEM SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS.

C. OPENINGS IN GRATINGS OR STRAINERS LOCATED IN PEDESTRIAN WAYS OR IN PATH OF TRAVEL (P O T J) SHALL NOT ALLOW PASSAGES OF A SPHERE MORE THAN 1/2" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3.

D. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF ALL FIXTURES.



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## KEY PLAN

SCALE

## REVISIONS

[illegible]

NO.	DESCRIPTION	DATE
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APPROVED BY M Shen

CHECKED BY E Gomez

DATE 10/29/2025

TITLE

## SCHEDULES

PROJECT NO. 5018476

# P002

SHEET NO.

P2S No. J25-0014



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FIXTURE LOAD CALCULATION									
BASIS: 2022 CPC APPENDIX 'A' TABLE A 103.1 (WATER SUPPLY FIXTURE UNITS) & CHAPTER 7 TABLE 702.1 (DRAINAGE FIXTURE UNIT VALUES) VOLUME BASED ON "PUBLIC" VALUES									
FIXTURE	QTY. @ 1ST FLR.	QTY. @ ROOF	QTY. TOTAL	COLD WATER		HOT WATER		SANITARY DRAINAGE/WASTE	
				FIXTURE UNITS	TOTAL FU	FIXTURE UNITS	TOTAL FU	FIXTURE UNITS	TOTAL FU
WATER CLOSET (FLUSH VALVE)	13	0	13	5.0	65.0	-	-	4.0	52.0
URINAL (FLUSH VALVE)	1	0	1	4.0	4.0	-	-	2.0	2.0
LAVATORY	12	0	12	1.0	12.0	0.75	9.0	1.0	12.0
KITCHEN SINK (S-1)	3	0	3	2.0	6.0	1.5	4.5	2.0	6.0
HAND SINK (S-2)	3	0	3	2.0	6.0	1.5	4.5	2.0	6.0
MOP SINK	2	0	2	3.0	6.0	2.5	5.0	3.0	6.0
SHOWER	4	0	4	2.0	8.0	1.5	6.0	2.0	8.0
DRINKING FOUNTAIN	3	0	3	1.0	3.0	-	-	1.0	3.0
FLOOR DRAIN	11	0	11	-	-	-	-	2.0	22.0
SHOWER DRAIN	4	0	4	-	-	-	-	2.0	8.0
FLOOR SINK	1	0	1	-	-	-	-	2.0	2.0
HUB DRAIN	1	0	1	-	-	-	-	8	8.0
HOSE BIBB (1st)	1	0	1	2.5	2.5	-	-	-	-
HOSE BIBB (each additional)	6	2	8	1.0	8.0	-	-	-	-
DISH WASHER	1	0	1	1.5	1.5	1.5	1.5	2.0	2.0
TOTAL FIXTURE UNITS					122.0		30.5		137.0
TOTAL DEMAND - GPM					73		21		50

DOMESTIC WATER CALCULATION									
PRESSURE AVAILABLE :									
MINIMUM	=	58	PSI	MAX. VELOCITY	=	8	F/S (COLD)		
MAXIMUM	=	60	PSI	MAX. VELOCITY	=	5	F/S (HOT)		
DOMESTIC WATER DEMAND :		=	73	GPM (TOTAL BUILDING DEMAND)					
WATER PRESSURE INFO OBTAINED BY: CONTROL FIRE PROTECTION, INC. - DATED 03/20/2025									
PRESSURE LOSS									
1	PRESSURE REQUIRED AT THE FARTHEST FIXTURE						25	PSI	
2	PRESSURE LOSS THRU BACKFLOW DEVICE @ WATER MAIN						5	PSI	
3	PRESSURE LOSS THRU PRV @ BLDG. SUPPLY						0	PSI	
4	STATIC HEAD LOSS (18 x 0.433)						7.8	PSI	
5	TOTAL PRESSURE LOSS						37.80	PSI	
LOSS AVAILABLE FOR FRICTION									
6	MIN PRESSURE AVAILABLE - ITEM 5						20.20	PSI	
LENGTH OF RUN FROM METER TO FARTHEST FIXTURE									
	OUTSIDE BUILDING						510	FT	
	INSIDE BUILDING						330	FT	
7	TOTAL LENGTH						840	FT	
EQUIVALENT LENGTH OF RUN									
8	ITEM 7 + 15%						966	FT	
ALLOWABLE FRICTION LOSS									
9	ITEM 6 X 100' / ITEM 7						2.09	PSI/100 FT	
PIPE SIZE CHART FOR COLD WATER SIZING AT 8 F/S MAX VELOCITY									
PIPE SIZE	1/2	3/4	1	1-1/4	1-1/2	2	2 1/2	3	4
GPM	1.23	3.6	7.7	13.8	22.3	47.5	85.4	138.0	294.3
FU (FT)	0	3	8	18	32	107	275	506	1418
FU (FV)	0	0	0	0	0	37	148	396	1418
VEL (FPS)	2.02	2.61	3.13	3.60	4.04	4.85	5.58	6.26	7.51
PIPE SIZE CHART FOR HOT WATER SIZING AT 5 F/S MAX VELOCITY									
PIPE SIZE	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
GPM	1.23	3.59	7.66	13.78	22.26	47.47	74.34	106.10	186.55
FU (FT)	0	3	8	18	32	107	245	406	840
VEL (FPS)	2.02	2.61	3.13	3.60	4.04	4.85	5.00	5.00	5.00



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CHECKED BY E Gomez

DATE 10/29/2025

TITLE

CALCULATIONS

PROJECT NO. 50184767

P003

SHEET NO.

P2S No. J25-0014



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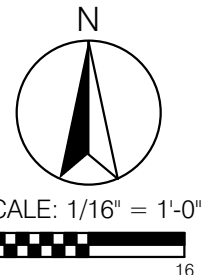
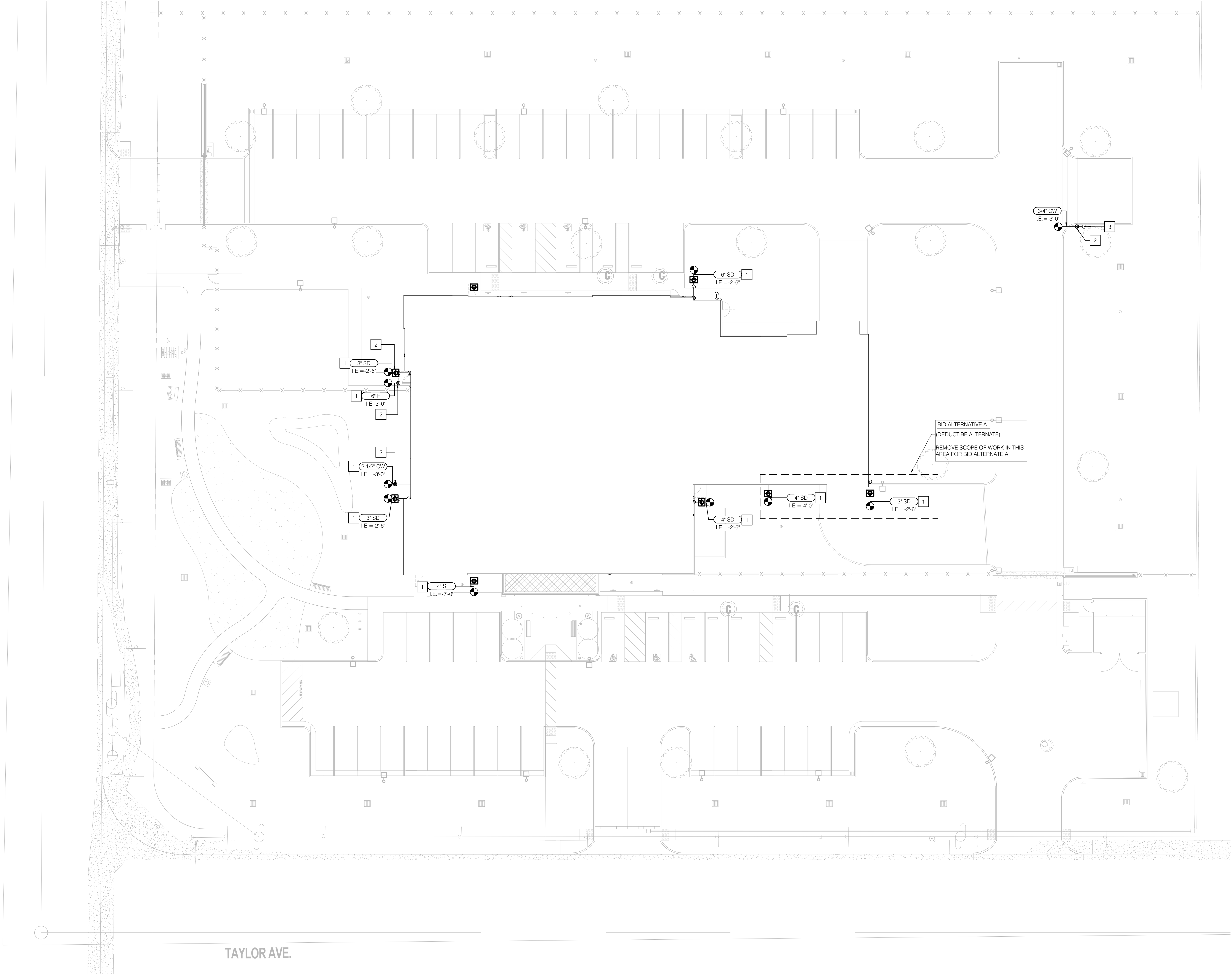
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GENERAL NOTES

1. ALL INVERT ELEVATIONS ARE TAKEN FROM FINISHED FLOOR ELEVATION.
2. ALL INVERT ELEVATIONS ARE TAKEN FROM THE BOTTOM OF PIPE, 5' FROM THE BUILDING UNLESS OTHERWISE NOTED.

NOTES

- 1 REFER TO CIVIL UTILITY PLAN C-150 FOR CONTINUATION.
- 2 WATER SHUT OFF VALVE BELOW GRADE IN CONCRETE YARD BOX WITH COVER LABELED "WATER". REFER TO DETAIL 2/P502.
- 3 PROVIDE 3/4" CW TO SERVE HOSE BIBB. SEE DETAIL 2/C501



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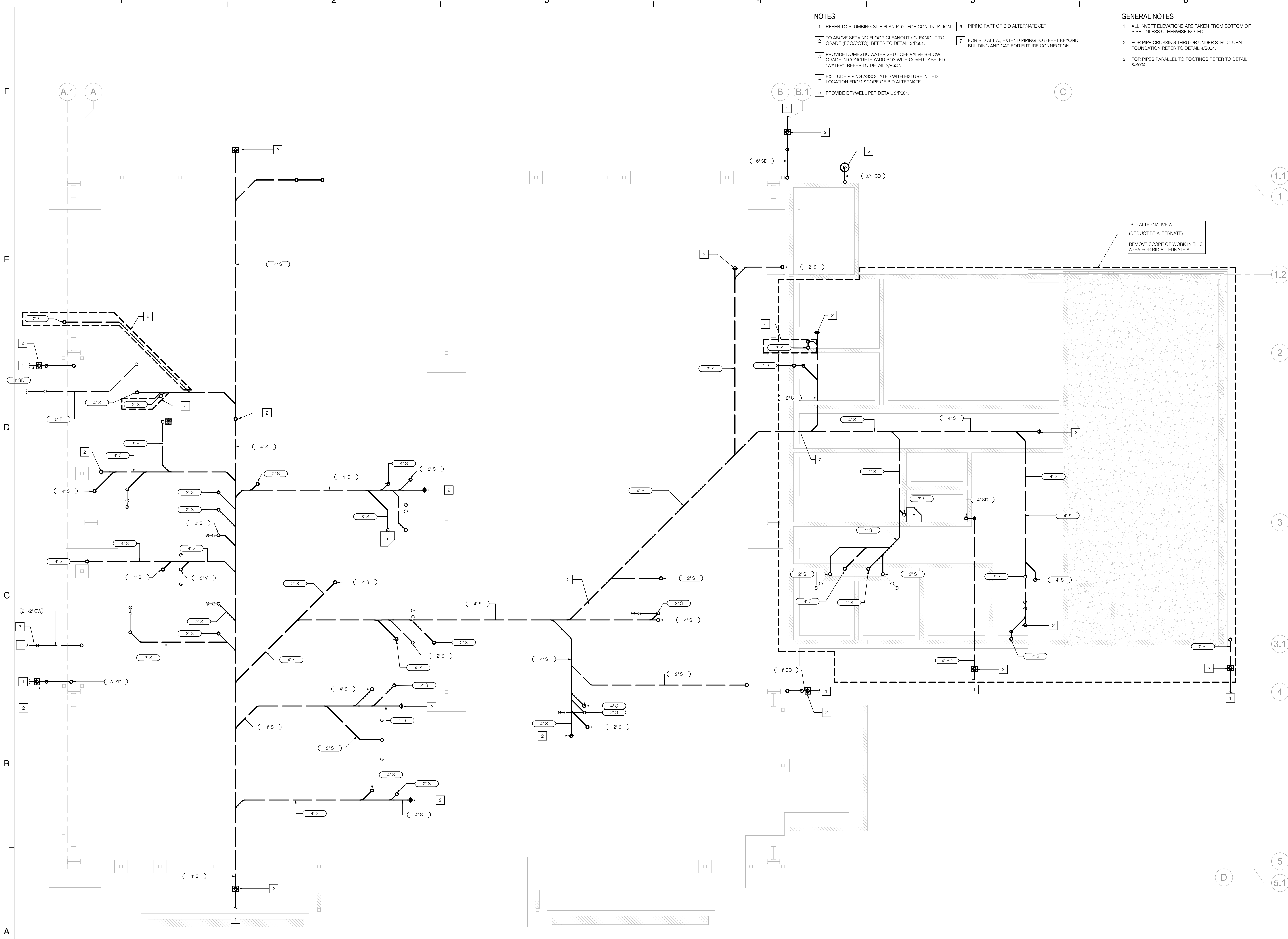
PLUMBING SITE  
PLAN

PROJECT NO. 50184767

P101

SHEET NO.  
P2S No. J25-0014





- NOTES**
- 1 REFER TO PLUMBING SITE PLAN P101 FOR CONTINUATION.
  - 2 TO ABOVE SERVING FLOOR CLEANOUT / CLEANOUT TO GRADE (FCO/COTG), REFER TO DETAIL 3/P601.
  - 3 PROVIDE DOMESTIC WATER SHUT OFF VALVE BELOW GRADE IN CONCRETE YARD BOX WITH COVER LABELED "WATER". REFER TO DETAIL 2/P602.
  - 4 EXCLUDE PIPING ASSOCIATED WITH FIXTURE IN THIS LOCATION FROM SCOPE OF BID ALTERNATE.
  - 5 PROVIDE DRYWELL PER DETAIL 2/P604.
  - 6 PIPING PART OF BID ALTERNATE SET.
  - 7 FOR BID ALT A , EXTEND PIPING TO 5 FEET BEYOND BUILDING AND CAP FOR FUTURE CONNECTION.

- GENERAL NOTES**
- 1. ALL INVERT ELEVATIONS ARE TAKEN FROM BOTTOM OF PIPE UNLESS OTHERWISE NOTED.
  - 2. FOR PIPE CROSSING THRU OR UNDER STRUCTURAL FOUNDATION REFER TO DETAIL 4/S004.
  - 3. FOR PIPES PARALLEL TO FOOTINGS REFER TO DETAIL 8/S004.

BID ALTERNATIVE A  
(DEDUCTIBLE ALTERNATE)  
REMOVE SCOPE OF WORK IN THIS  
AREA FOR BID ALTERNATE A

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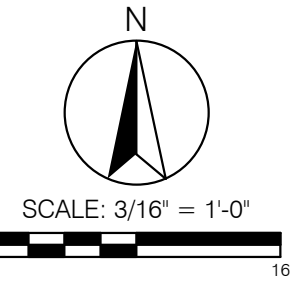
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**UNDERGROUND PLUMBING PLAN**

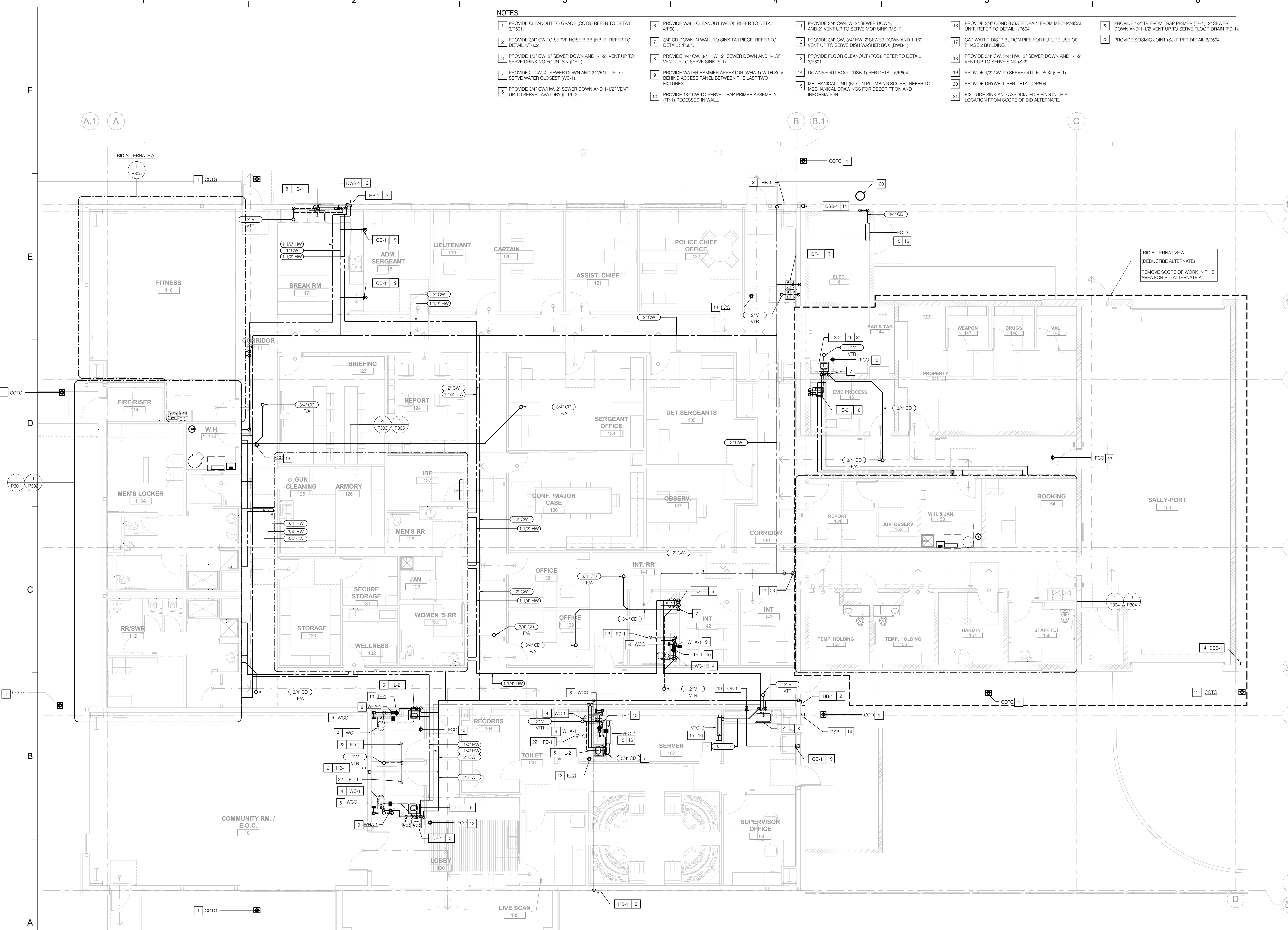
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**P200**

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P2S No. J25-0014

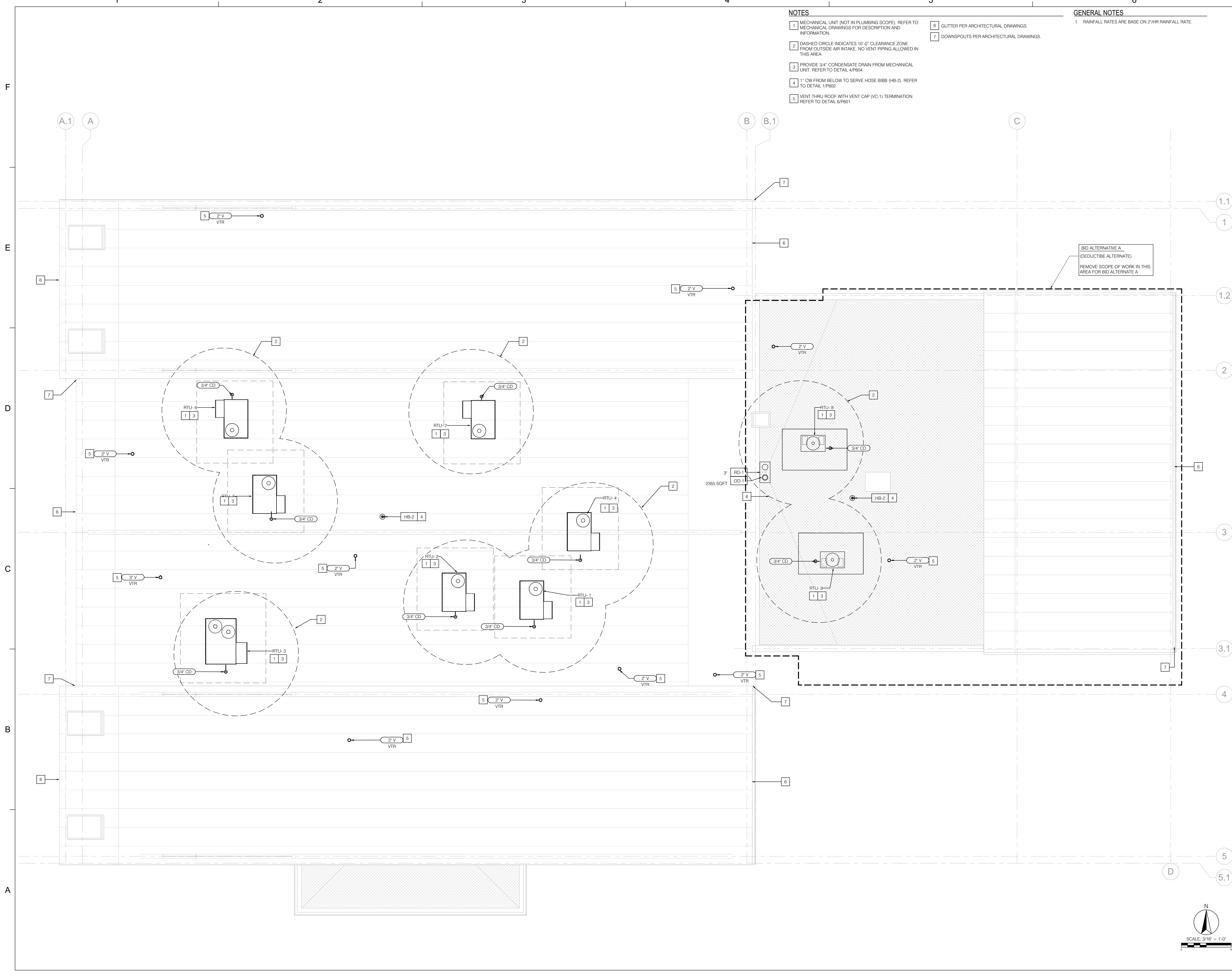








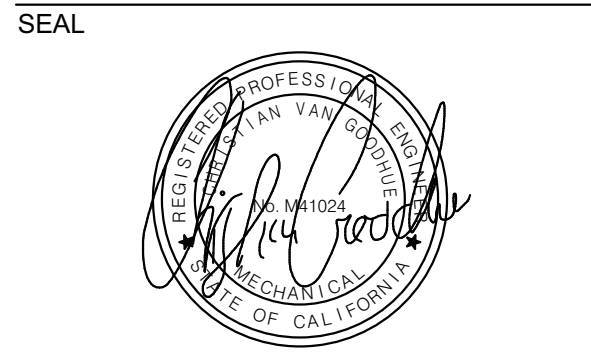
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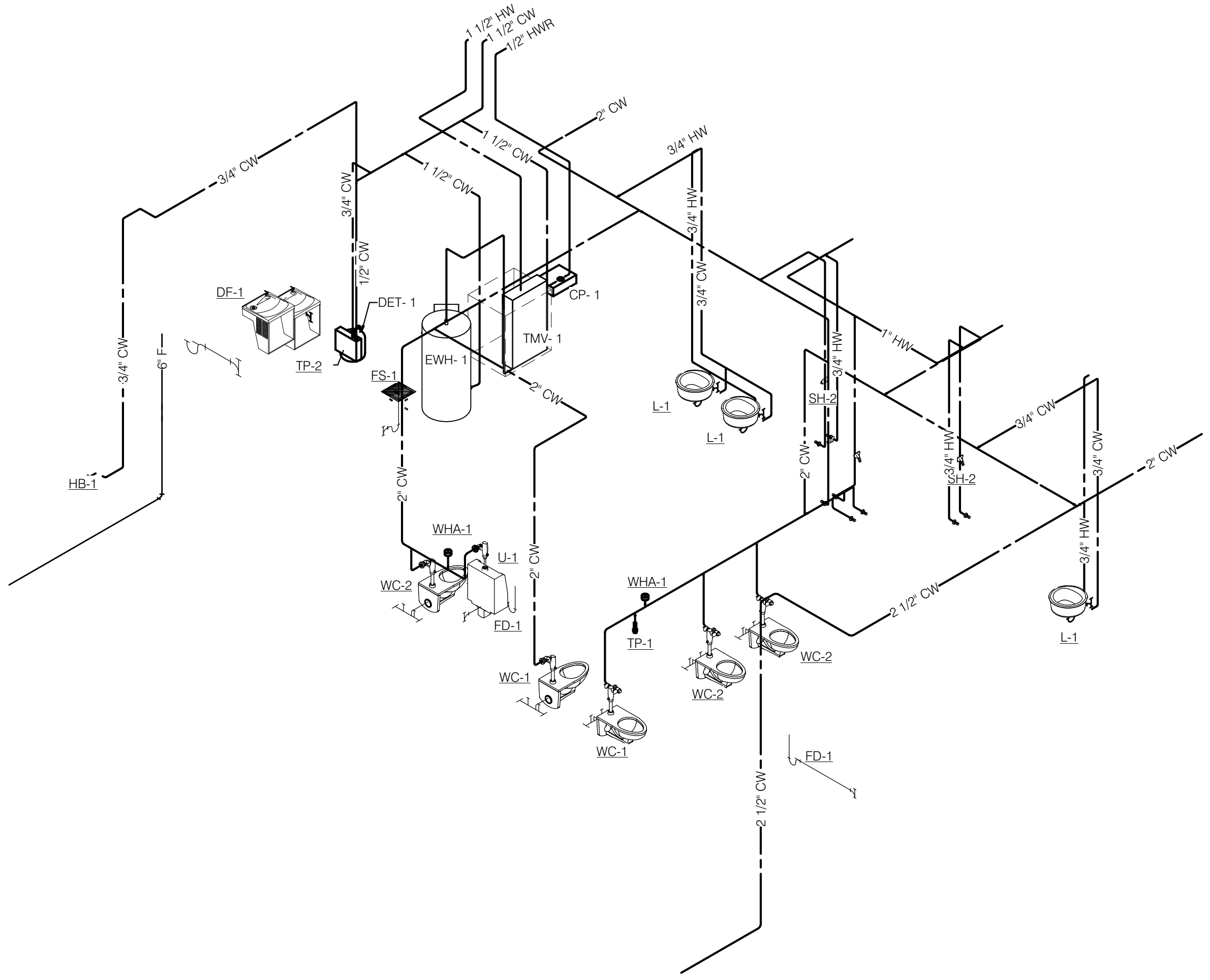
ROOF PLUMBING PLAN

PROJECT NO. 50184767

P202

SHEET NO.  
P2S No. J25-0014

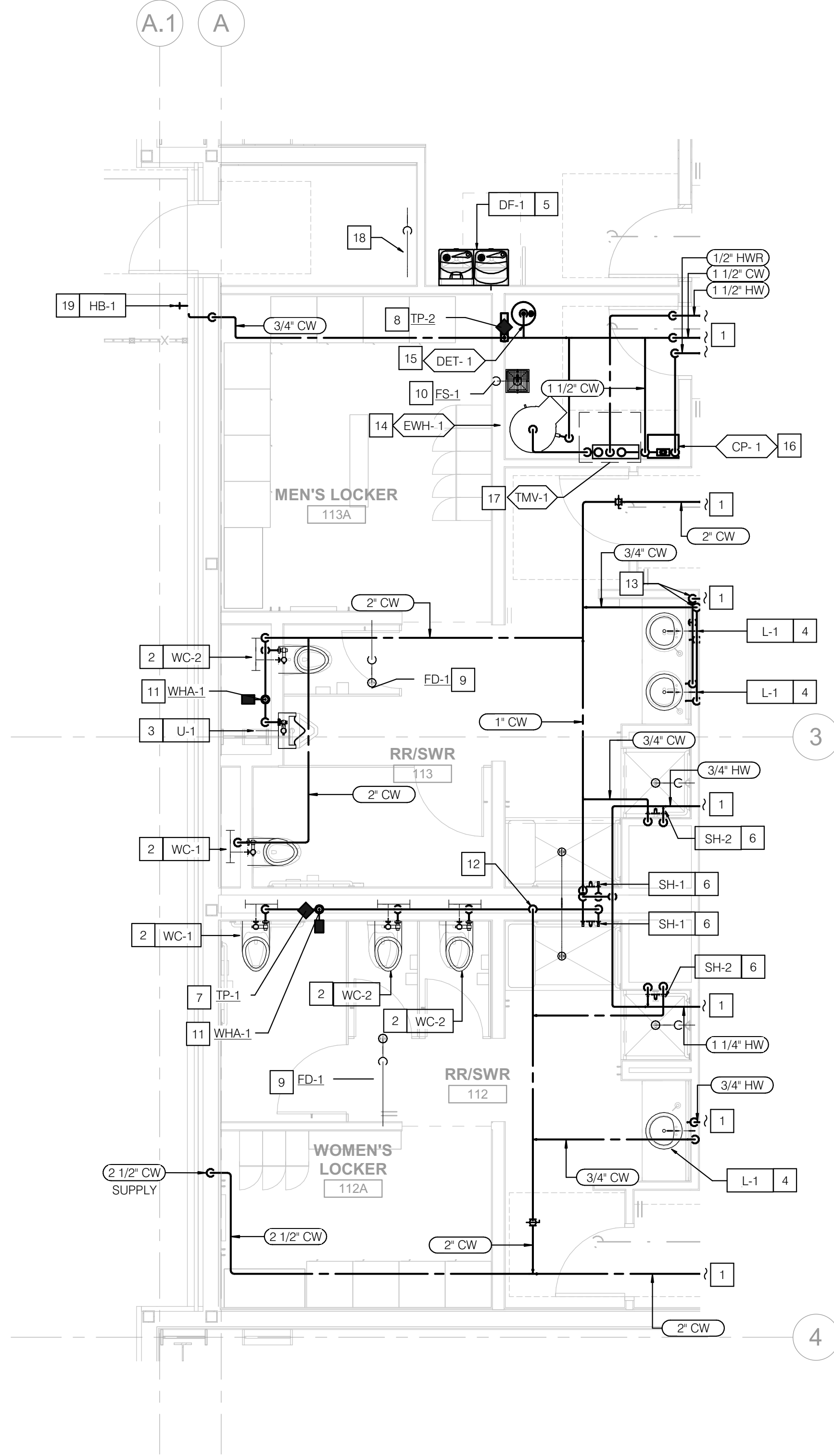




2

MEN'S AND WOMEN'S LOCKER ROOMS - WATER ISOMETRIC

SCALE:



1

MEN'S AND WOMEN'S LOCKER ROOMS - ENLARGED WATER PLANS

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

- NOTES
- 1

REFER TO SHEET P201 FOR CONTINUATION.
- 2

PROVIDE 2" CW TO SERVE WATER CLOSET (WC-1/WC-2).
- 3

PROVIDE 2" CW TO SERVE URINAL (U-1).
- 4

PROVIDE 3/4" CW AND 3/4" HW TO SERVE LAVATORY (L-1).
- 5

PROVIDE 3/4" CW TO SERVE DRINKING FOUNTAIN (DF-1).
- 6

PROVIDE 3/4" CW AND 3/4" HW TO SERVE SHOWER (SH-1/SH-2). PROVIDE SHUT OFF VALVE BEHIND ACCESS PANEL.
- 7

PROVIDE 1/2" CW TO SERVE PRESSURE TYPE TRAP PRIMER (TP-1). REFER TO DETAIL 3/P602.
- 8

PROVIDE 1/2" CW TO SERVE ELECTRONIC TRAP PRIMER ASSEMBLY (TP-2) RECESSED IN WALL. COORDINATE WITH ELECTRICAL FOR POWER REQUIREMENTS.
- 9

PROVIDE 1/2" TP BELOW FLOOR FROM TRAP PRIMER (TP-1/TP-2) TO SERVE FLOOR DRAIN (FD-1). REFER TO DETAIL 1/P601.
- 10

PROVIDE 1/2" TP BELOW FLOOR FROM TRAP PRIMER (TP-2) TO SERVE FLOOR SINK (FS-1). REFER TO DETAIL 2/P601.
- 11

PROVIDE WATER HAMMER ARRESTOR (WHA-1) WITH SOV BEHIND ACCESS PANEL BETWEEN THE LAST TWO FIXTURES.
- 12

2" CW DOWN IN WALL TO FULL SIZE HEADER. PROVIDE FULL-PORT SHUT-OFF VALVE ON DROP, BEHIND ACCESSIBLE PANEL.
- 13

3/4" HW AND CW DOWN IN WALL TO FULL SIZE HEADER. PROVIDE FULL-PORT SHUT-OFF VALVE ON DROP, BEHIND ACCESSIBLE PANEL.
- 14

ELECTRIC WATER HEATER (EWH-1). REFER TO DETAIL 1/P603.
- 15

EXPANSION TANK (DET-1) REFER TO DETAIL 3/P603.
- 16

CIRCULATING PUMP (CP-1). REFER TO DETAIL 2/P603.
- 17

THERMOSTATIC MIXING VALVE (TMV-1) MOUNTED ON WALL SET AT 120° F.
- 18

PROVIDE 1/2" TP BELOW FLOOR FROM TRAP PRIMER (TP-2) TO SERVE HUB DRAIN. REFER TO DETAIL 4/P602.
- 19

PROVIDE 3/4" CW TO SERVE HOSE BIBB (HB-1). REFER TO DETAIL 1/P602.

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State of California

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SCALE

REVISIONS

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APPROVED BY

M Shen

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DATE

10/29/2025

TITLE

ENLARGED PLANS

PROJECT NO.

50184767

P301

SHEET NO.

P2S No. J25-0014



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## KEY PLAN

SCALE

## REVISIONS

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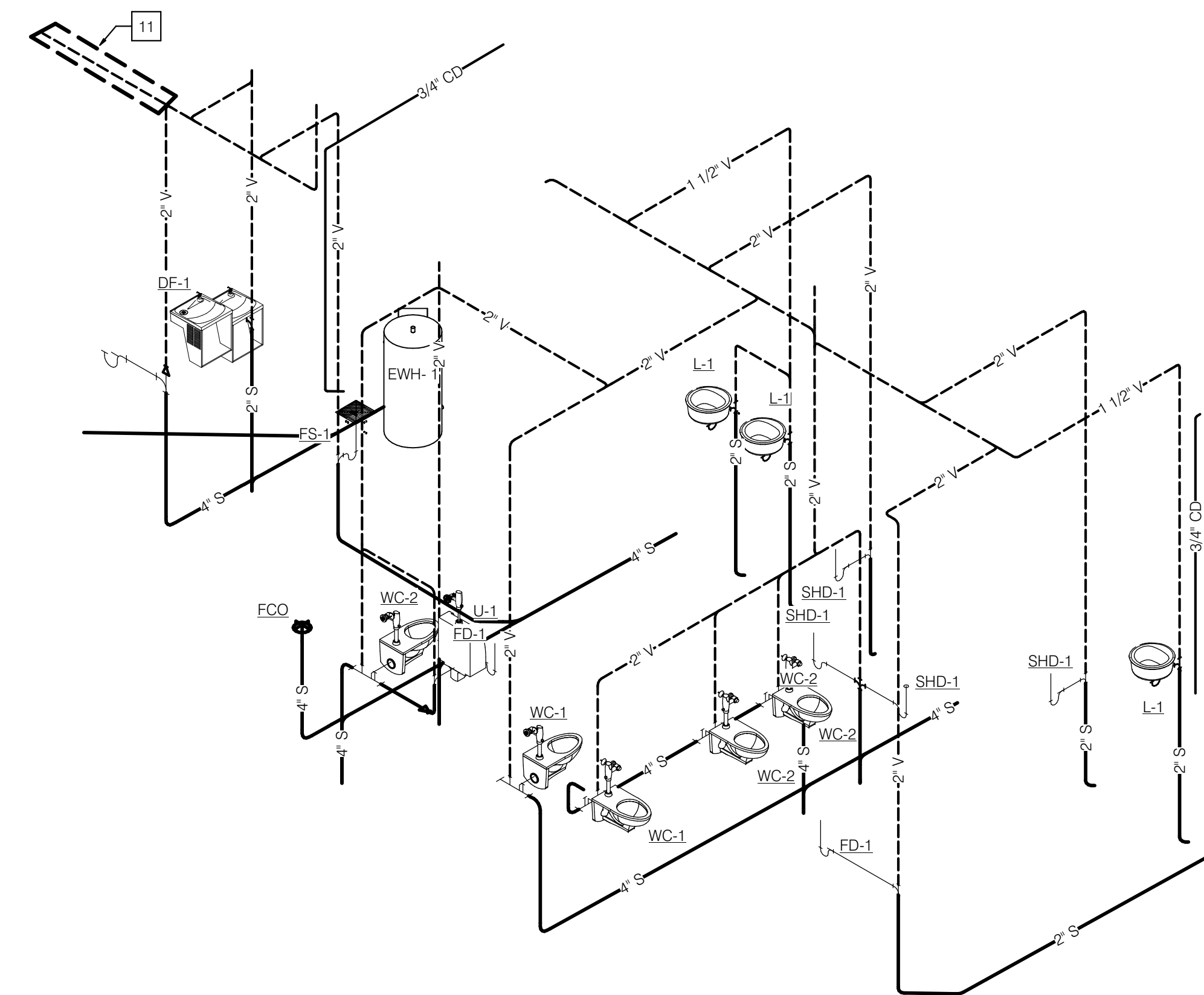
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## ENLARGED PLANS

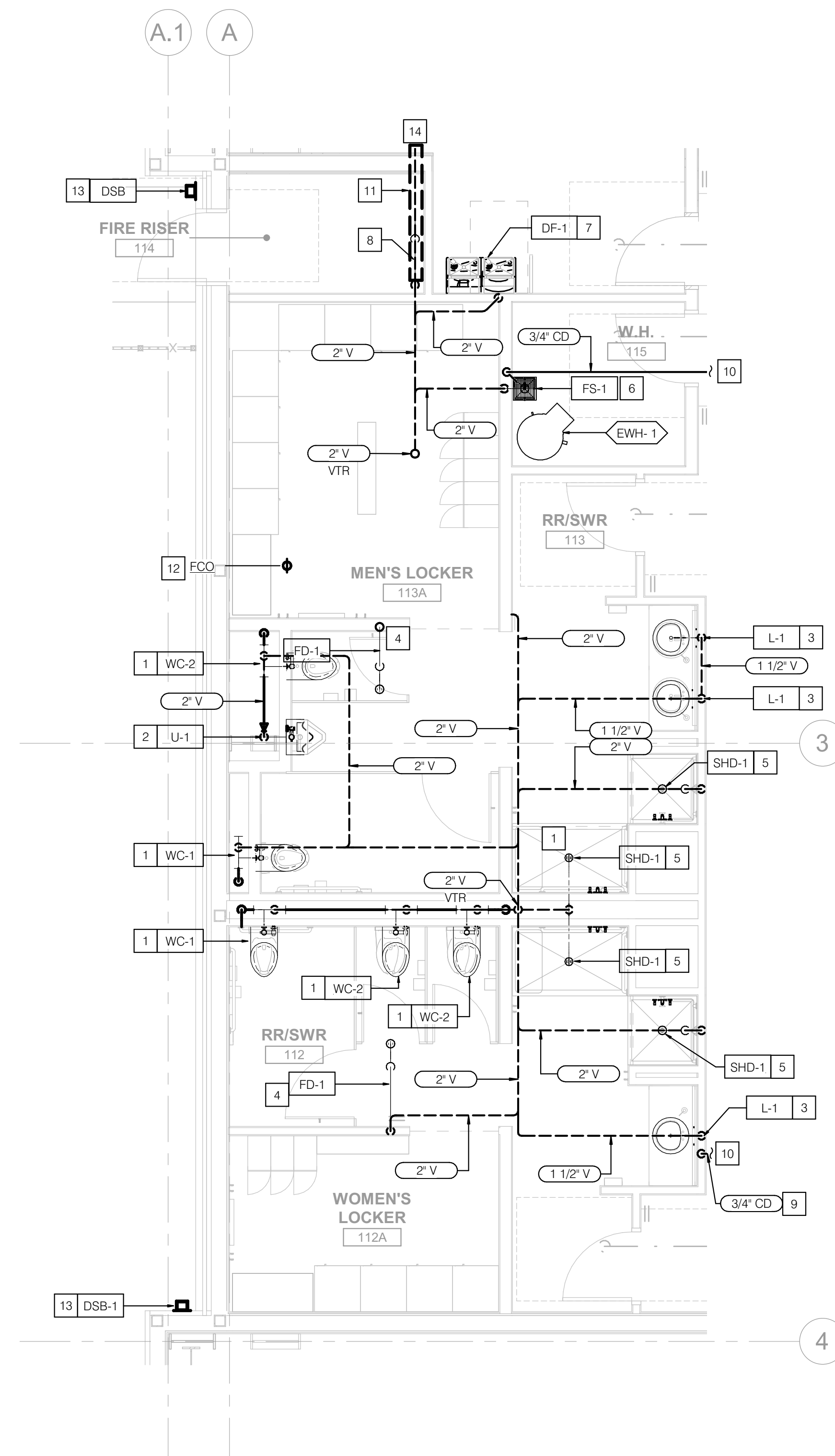
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P302

SHEET NO. \_\_\_\_\_  
P2S No. J25-0014



2 MEN'S AND WOMEN'S LOCKER ROOMS - WASTE AND VENT ISOMETRIC  
SCALE:



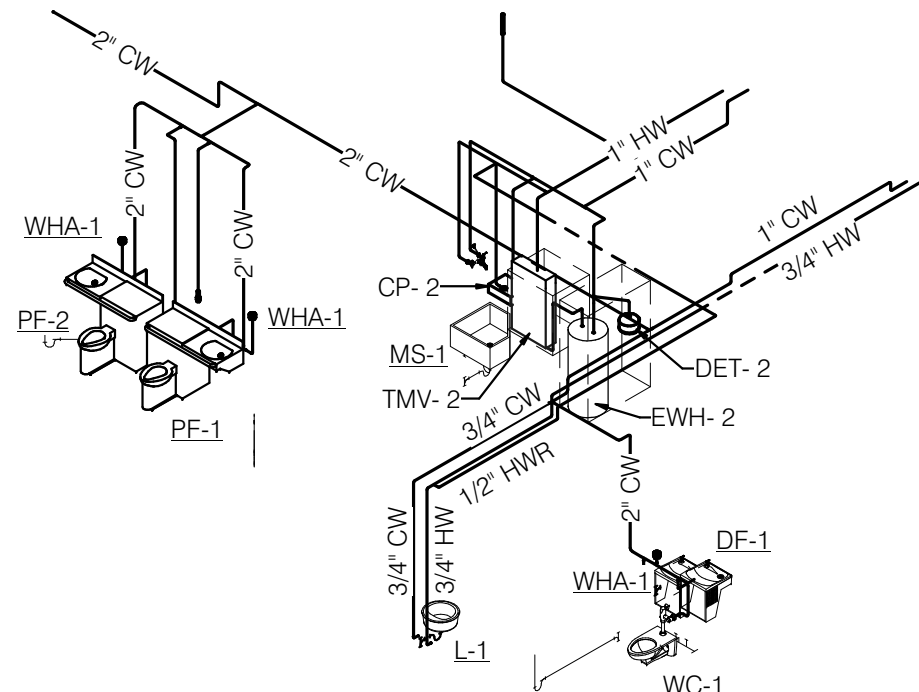
1 MEN'S AND WOMEN'S LOCKER ROOMS - ENLARGED WASTE AND VENT PLANS



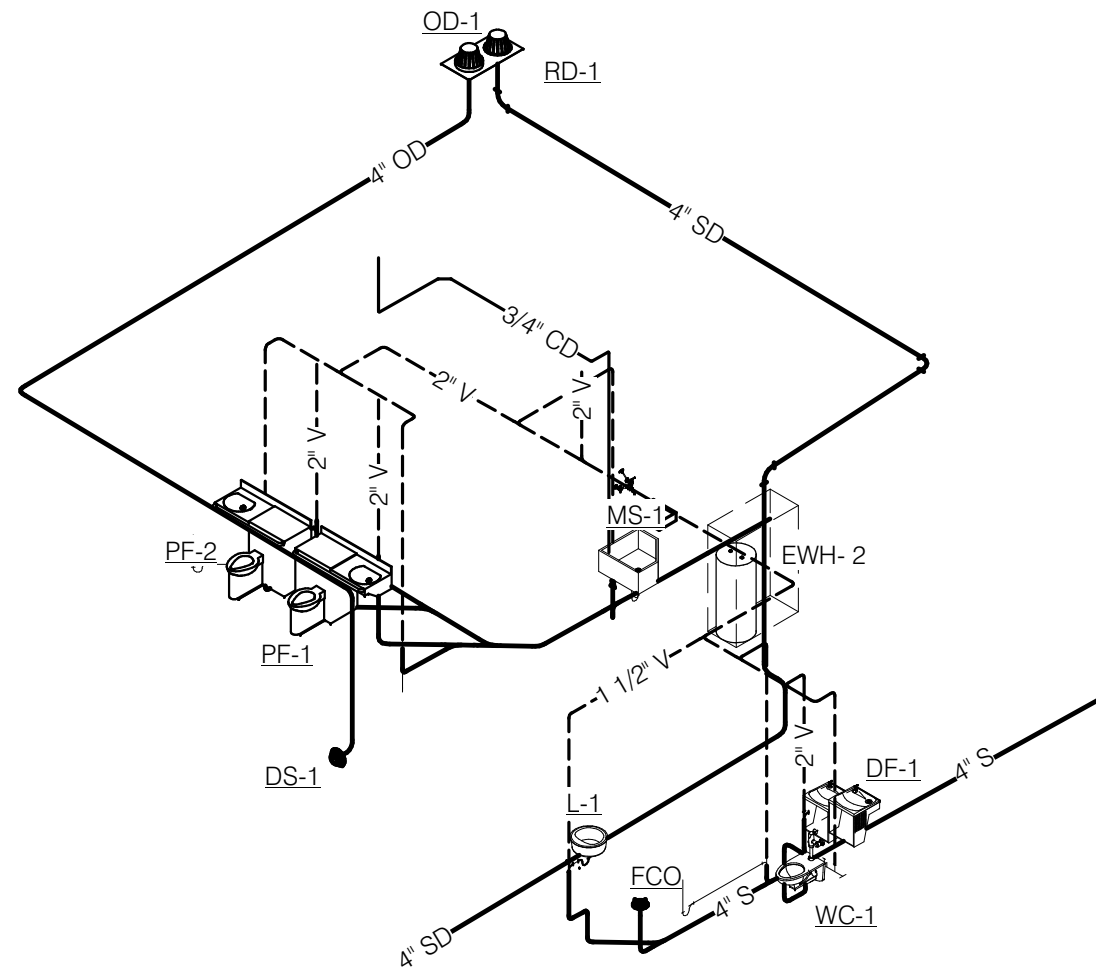




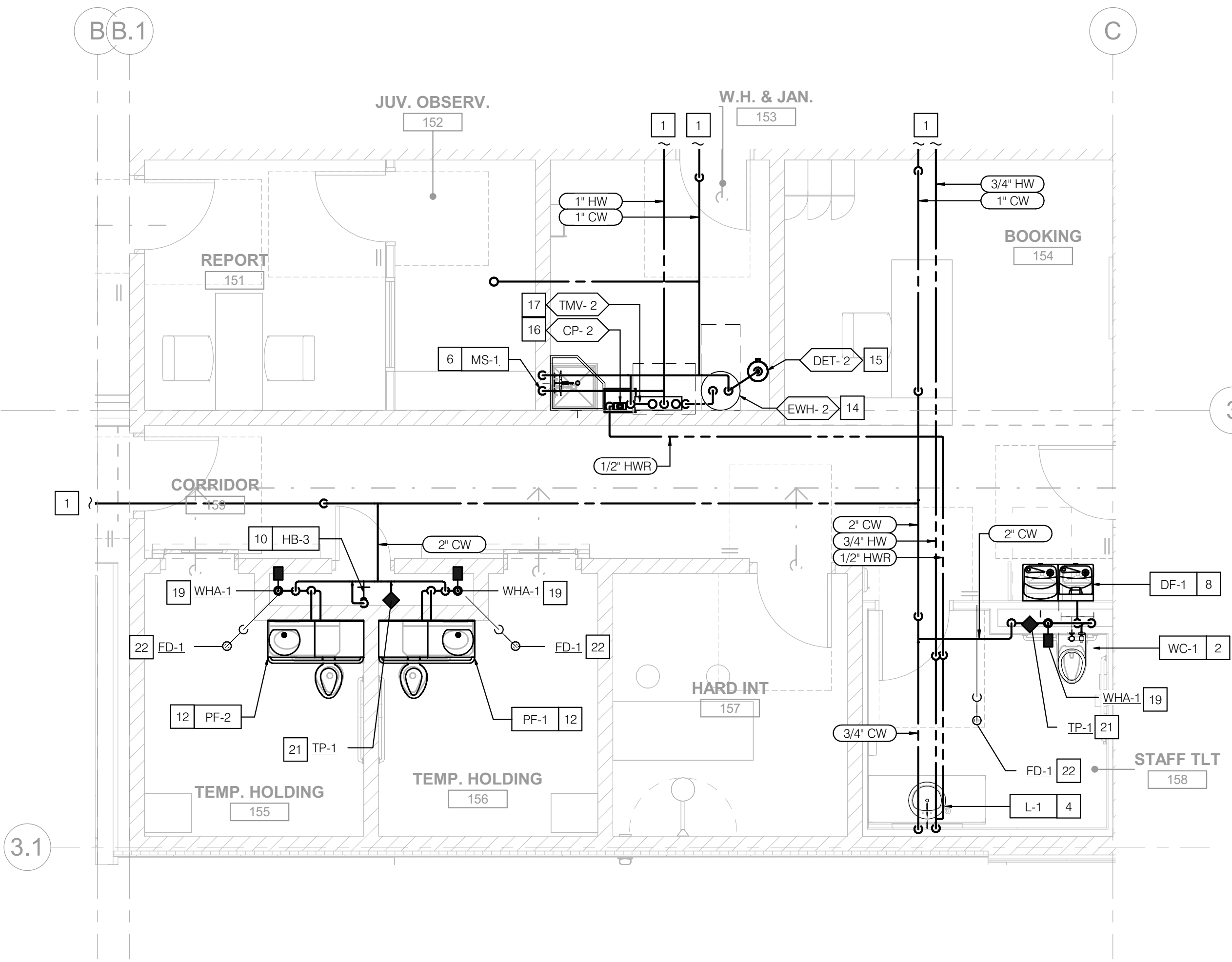
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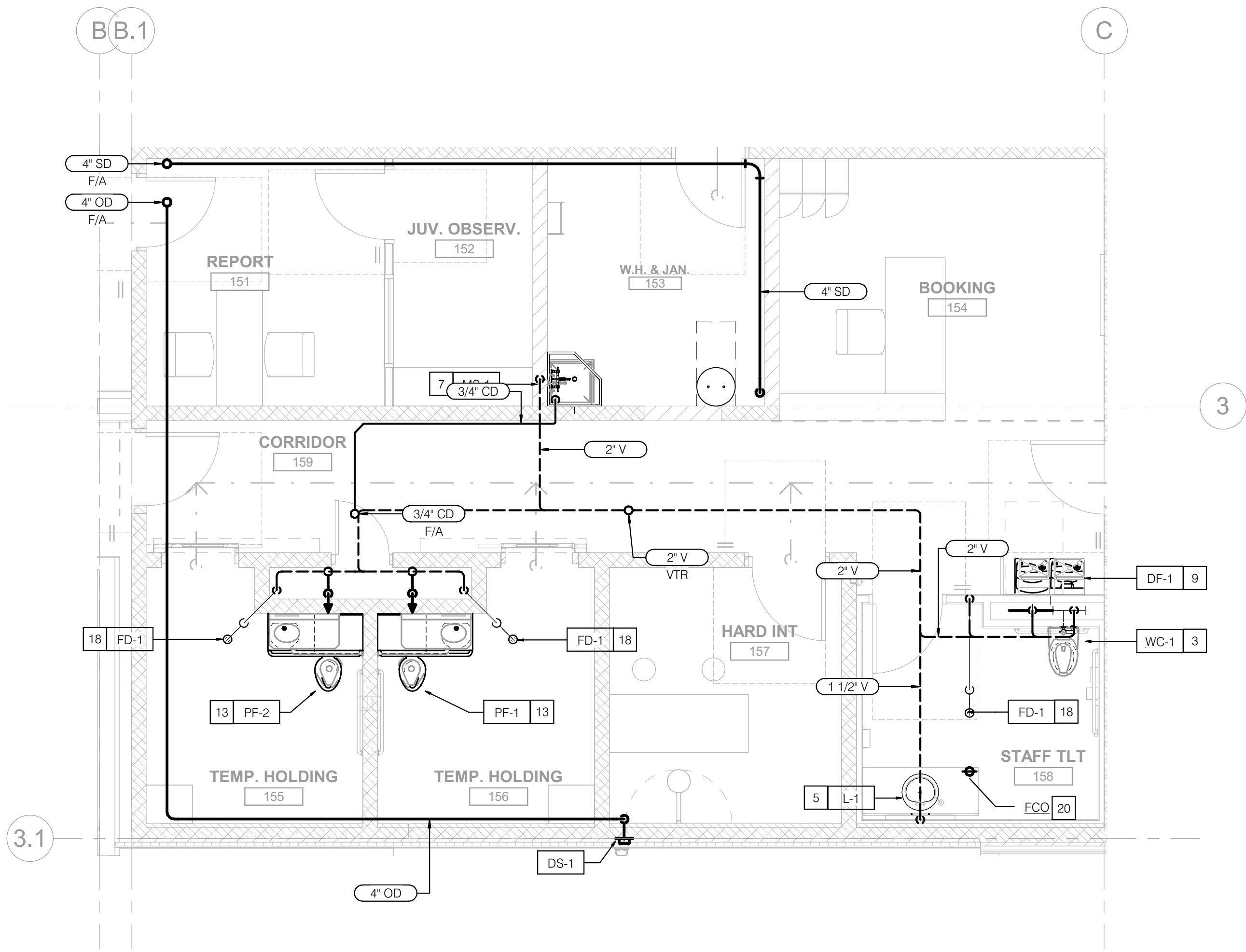
4 ENLARGED ISOMETRIC - WATER PLAN  
SCALE:



2 ENLARGED ISOMETRIC - WASTE & VENT PLAN  
SCALE:



3 ENLARGED PLAN - WATER  
SCALE: 1/4" = 1'-0"



1 ENLARGED PLAN - WASTE & VENT  
SCALE: 1/4" = 1'-0"

- NOTES
- 1 REFER TO PLUMBING SHEET P201 FOR CONTINUATION.
  - 2 PROVIDE 2" CW TO SERVE WATER CLOSET (WC-1).
  - 3 PROVIDE 4" SEWER DOWN AND 2" VENT UP TO SERVE WATER CLOSET (WC-1).
  - 4 PROVIDE 3/4" CW AND 3/4" HW TO SERVE LAVATORY (L-1).
  - 5 PROVIDE 2" SEWER DOWN AND 1-1/2" VENT UP TO SERVE LAVATORY (L-1).
  - 6 PROVIDE 3/4" CW AND 3/4" HW TO SERVE MOP SINK (MS-1).
  - 7 PROVIDE 3" SEWER DOWN AND 2" VENT UP TO SERVE MOP SINK (MS-1).
  - 8 PROVIDE 1/2" CW TO SERVE DRINKING FOUNTAIN (DF-1).
  - 9 PROVIDE 2" SEWER DOWN AND 1-1/2" VENT UP TO SERVE DRINKING FOUNTAIN (DF-1).
  - 10 PROVIDE 3/4" CW TO SERVE HOSE BIBB (HB-3).
  - 11 PROVIDE 1/2" TP FROM (TP-1) TO SERVE FLOOR DRAIN (FD-1).
  - 12 PROVIDE 2" CW TO SERVE WATER CLOSET/LAVATORY COMBO UNIT (PF-1/PF-2).
  - 13 PROVIDE 4" SEWER DOWN AND 2" VENT UP TO SERVE WATER CLOSET/LAVATORY COMBO UNIT (PF-1/PF-2).
  - 14 ELECTRIC WATER HEATER (EWH-2). REFER TO DETAIL 1/P603.
  - 15 EXPANSION TANK (DET-2). REFER TO DETAIL 3/P603.
  - 16 CIRCULATION PUMP (CP-2). REFER TO DETAIL 2/P603.
  - 17 THERMOSTATIC MIXING VALVE (TMV-2) MOUNTED ON WALL SET AT 120°F.
  - 18 PROVIDE 2" SEWER DOWN AND 1-1/2" VENT UP TO SERVE FLOOR DRAIN (FD-1).
  - 19 PROVIDE WATER HAMMER ARRESTOR (WHA-1) WITH SOV.
  - 20 PROVIDE FLOOR CLEANOUT (FCO). REFER TO DETAIL 3/P601.
  - 21 PROVIDE 1/2" CW TO SERVE TRAP PRIMER (TP-1).
  - 22 PROVIDE 1/2" TP BELOW FLOOR FROM TRAP PRIMER (TP-1) TO SERVE FLOOR DRAIN (FD-1). REFER TO DETAIL 1/P601.



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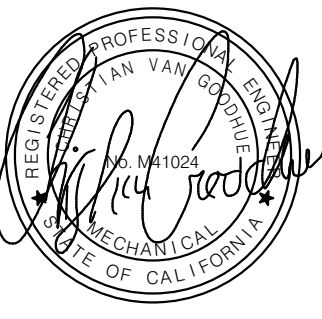
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KEY PLAN

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DATE 10/29/2025  
TITLE  
ENLARGED PLANS

PROJECT NO. 50184767

P304

SHEET NO.  
P2S No. J25-0014



CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

100% CONSTRUCTION DOCUMENT

SEARCH



## KEY PLAN

SCALE

## REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	C Goodhue
APPROVED BY	M Shen
CHECKED BY	E Gomez
DATE	10/29/2025

TITLE
-------

ENLARGED PLANS

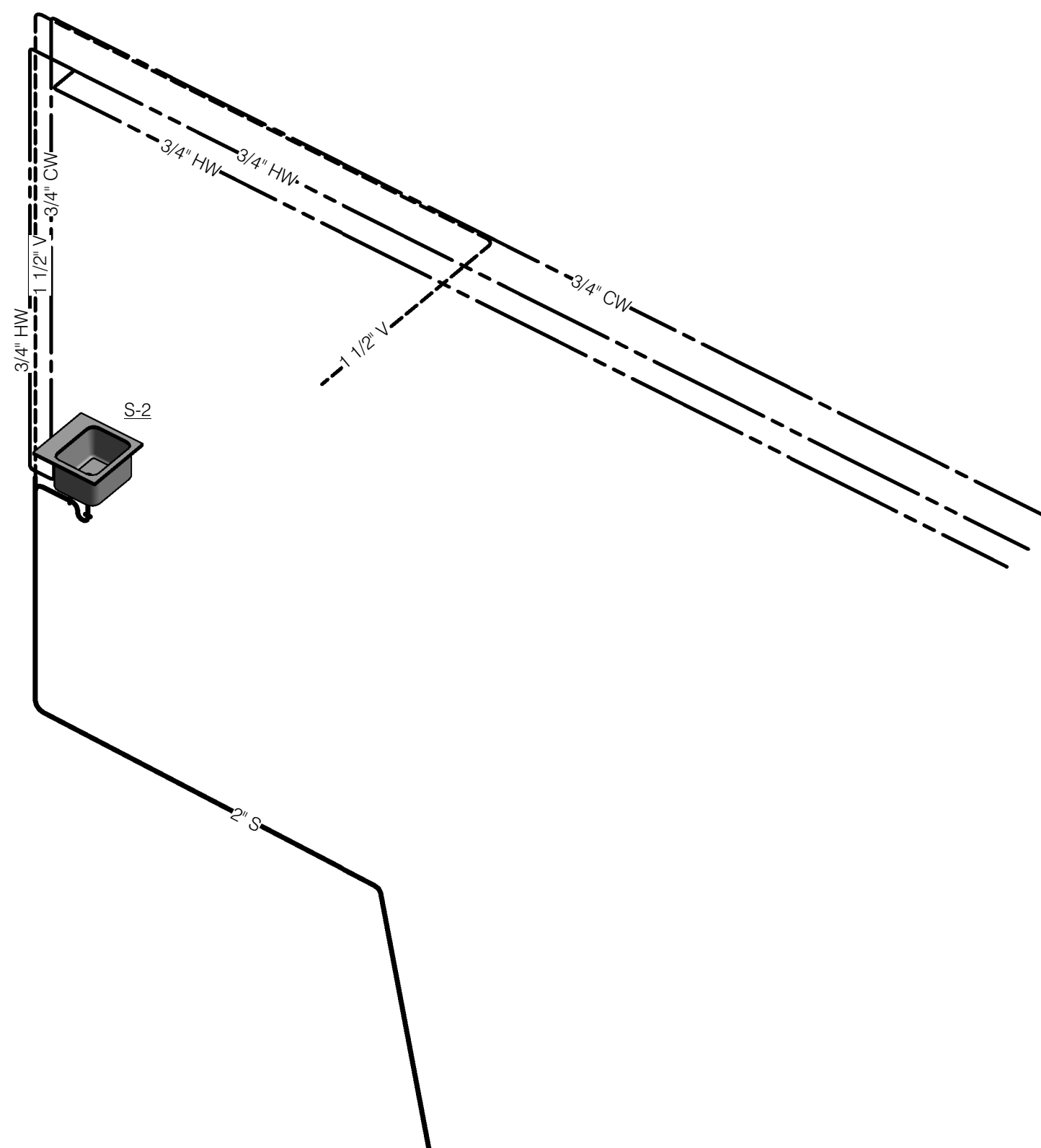
PROJECT NO.	50184767
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P305

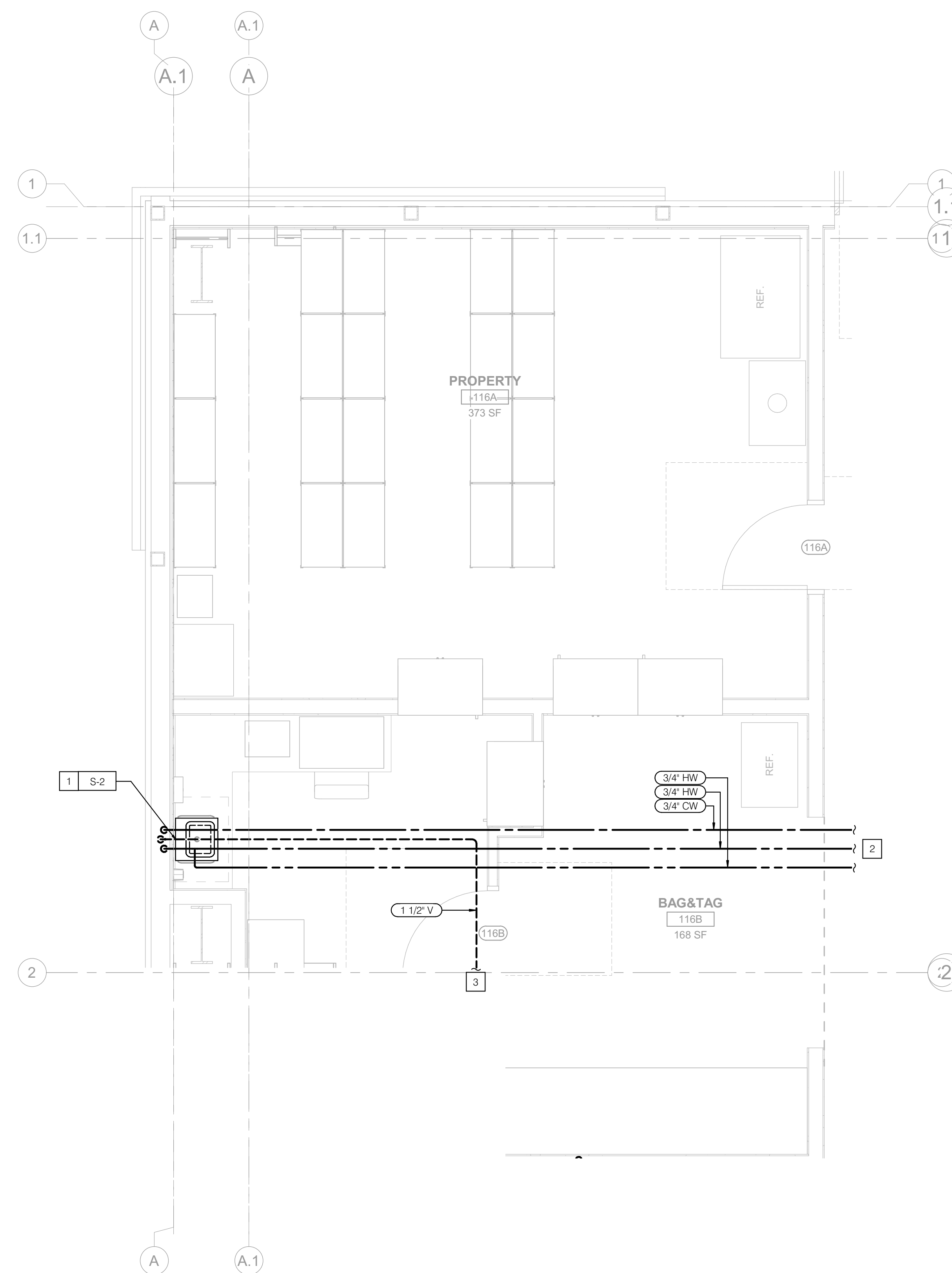
SHEET NO. \_\_\_\_\_  
P2S No. J25-0014

## NOTES

- 1 PROVIDE 3/4" CW, 3/4" HW, 2" SEWER DOWN AND 1-1/2" VENT UP TO SERVE SINK (S-2).
- 2 REFER TO SHEET P201 FOR CONTINUATION.
- 3 REFER TO SHEET P302 FOR CONTINUATION.



2 FIRST FLOOR - BID ALTERNATE - ISOMETRIC  
SCALE:



**1 FIRST FLOOR - BID ALTERNATE**  
SCALE: 3/8" = 1'-0"



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY C Goodhue  
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CHECKED BY E Gomez  
DATE 10/29/2025

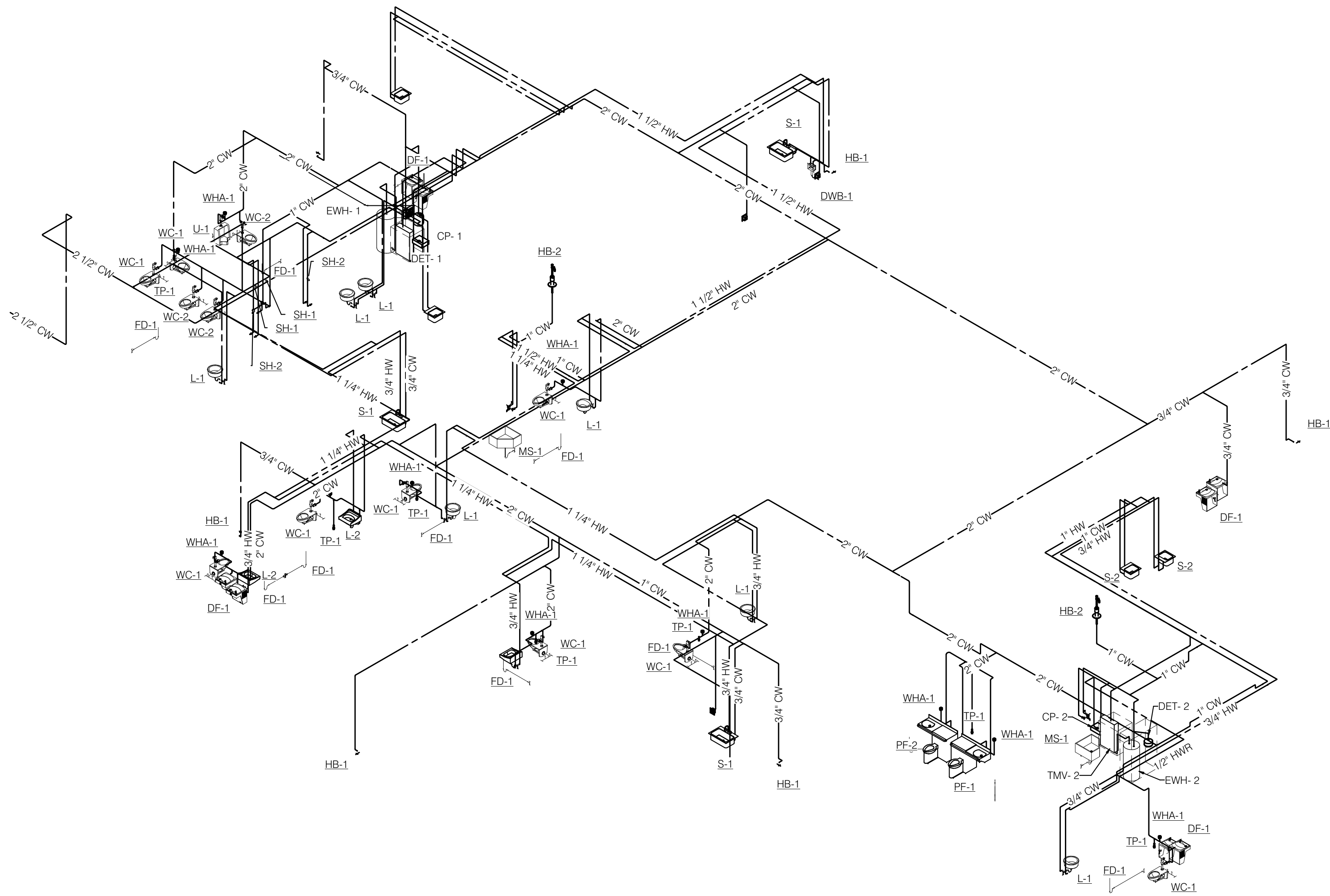
TITLE

RISER DIAGRAM -  
DOMESTIC WATER

PROJECT NO. 50184767

P501

SHEET NO.  
P2S No. J25-0014



1 DOMESTIC WATER - RISER DIAGRAM  
SCALE:



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REGISTERED PROFESSIONAL ENGINEER  
 VAN GORP  
 No. 541024  
 STATE OF CALIFORNIA  
 MECHANICAL

SCALE

[illegible]

DRAWN BY	C Goodhue
APPROVED BY	M Shen
CHECKED BY	E Gomez
DATE	10/29/2025

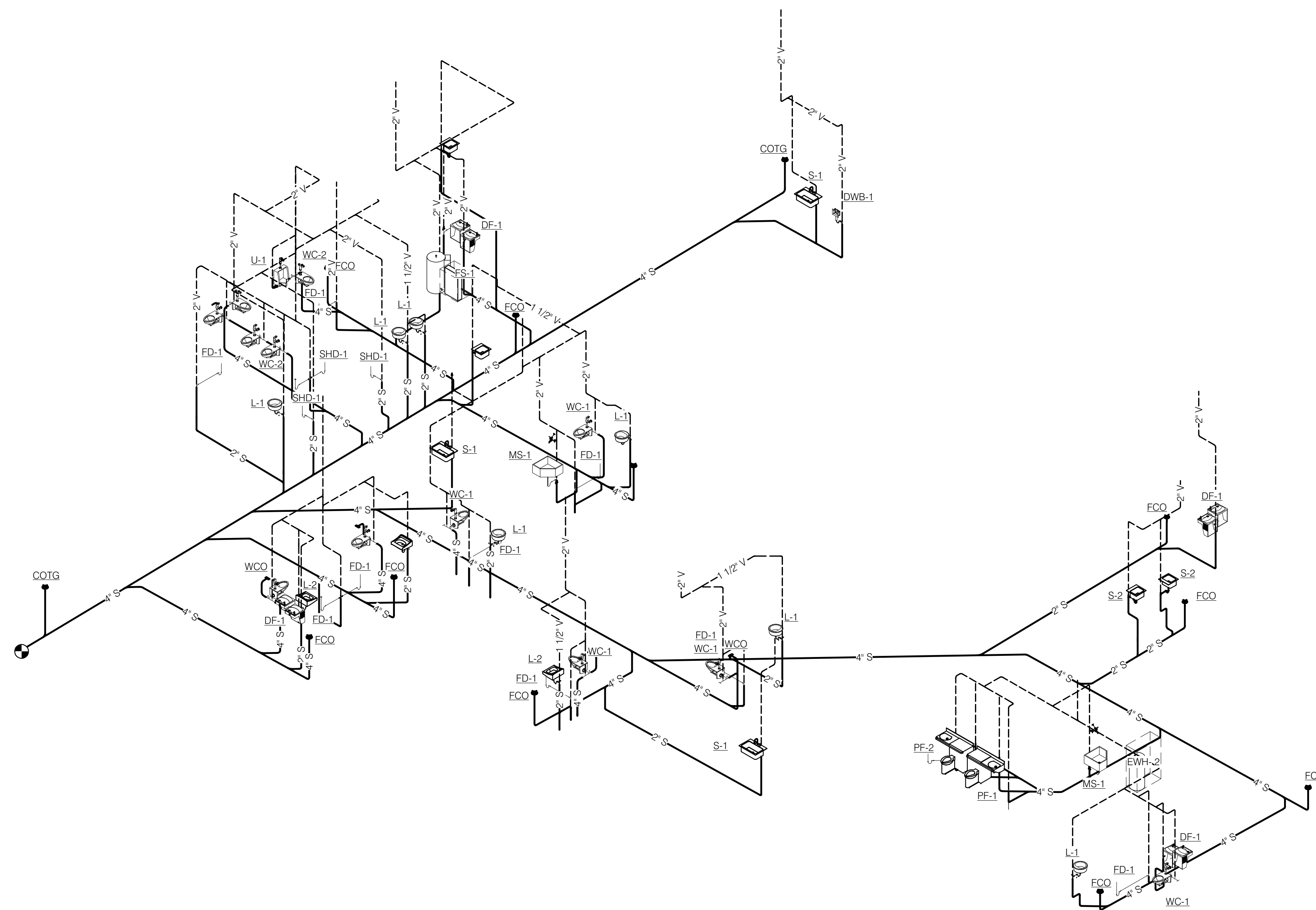
TITLE
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### RISER DIAGRAM - WASTE AND VENT

PROJECT NO.	50184767
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P502

SHEET NO. \_\_\_\_\_  
P2S No. J25-0014



## 1 WASTE AND VENT - RISER DIAGRAM



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## KEY PLAN

SCALE

## REVISIONS

[illegible]

DRAWN BY	C Goodhue
APPROVED BY	M Shen
CHECKED BY	E Gomez
DATE	10/29/2025

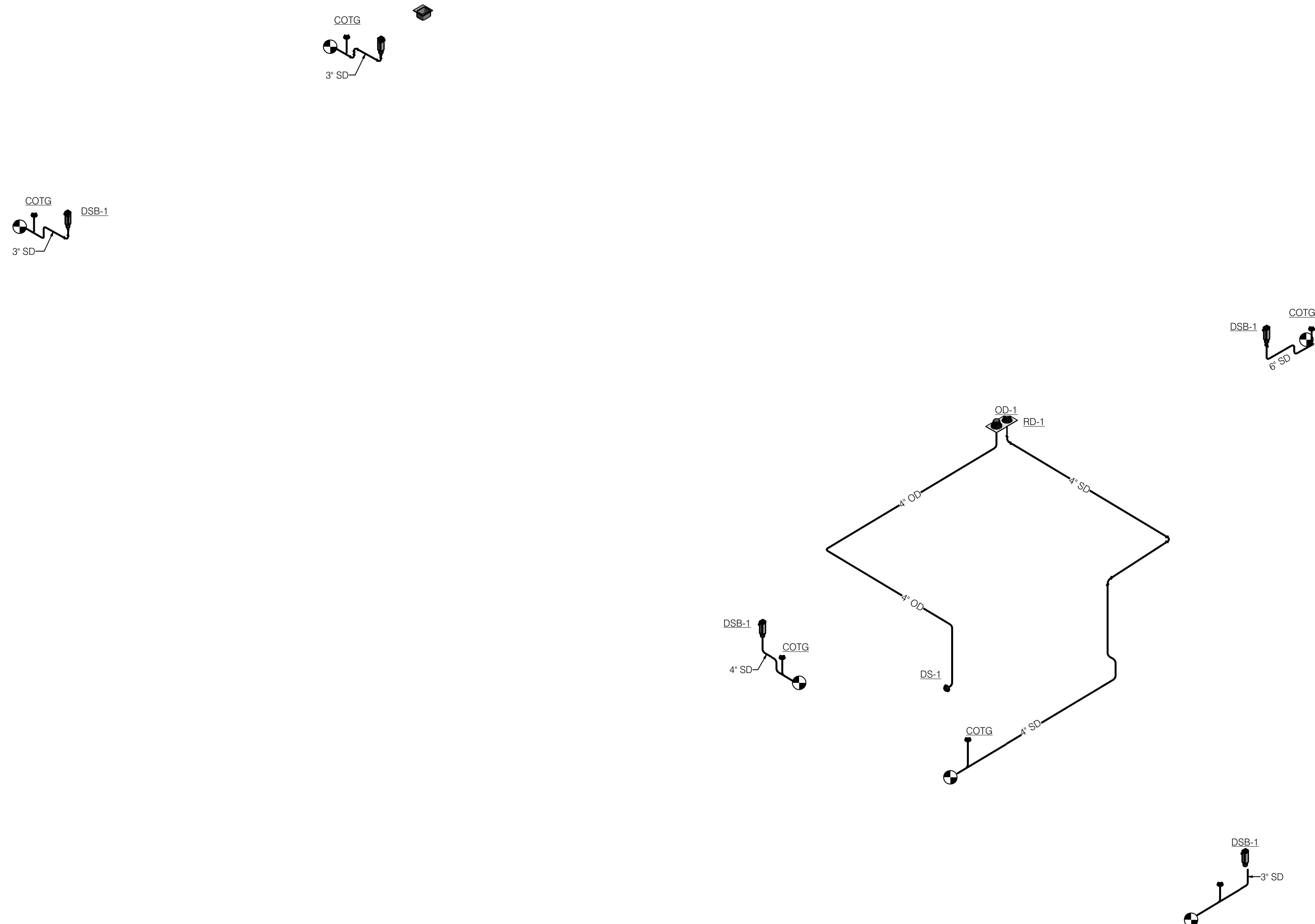
**TITLE**

### RISER DIAGRAM - STORM DRAIN

PROJECT NO.	50184767
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P503

SHEET NO. \_\_\_\_\_  
P2S No. J25-0014



1 STORM DRAIN - RISER DIAGRAM



CITY OF MCFARLAND, CALIFORNIA

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SEAL



## KEY PLAN

SCALE

[illegible]

DRAWN BY	C Goodhue
APPROVED BY	M Shen
CHECKED BY	E Gomez
DATE	10/29/2025

TITLE	
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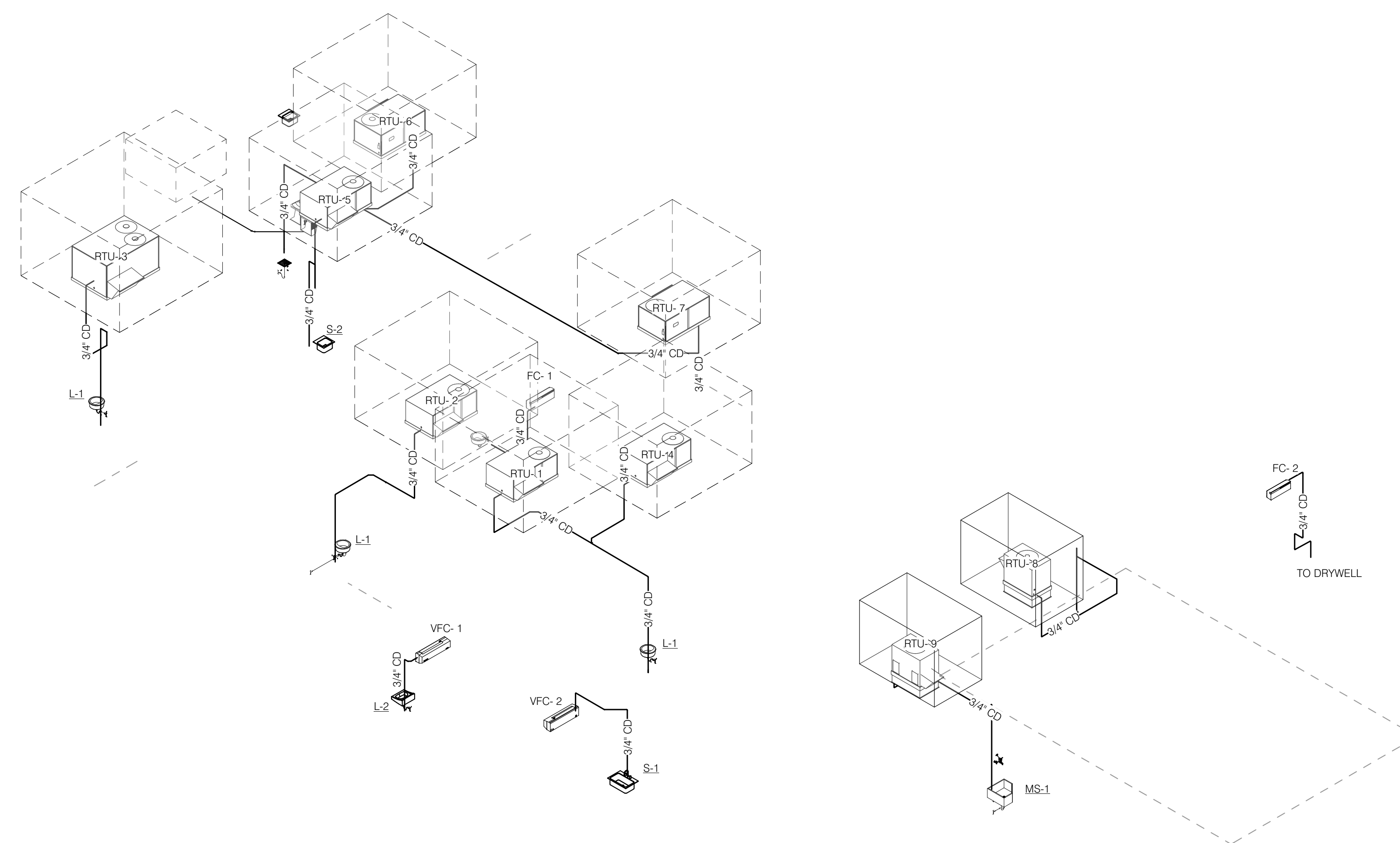
RISER DIAGRAM -  
CONDENSATE

PROJECT NO.	50184767
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P504

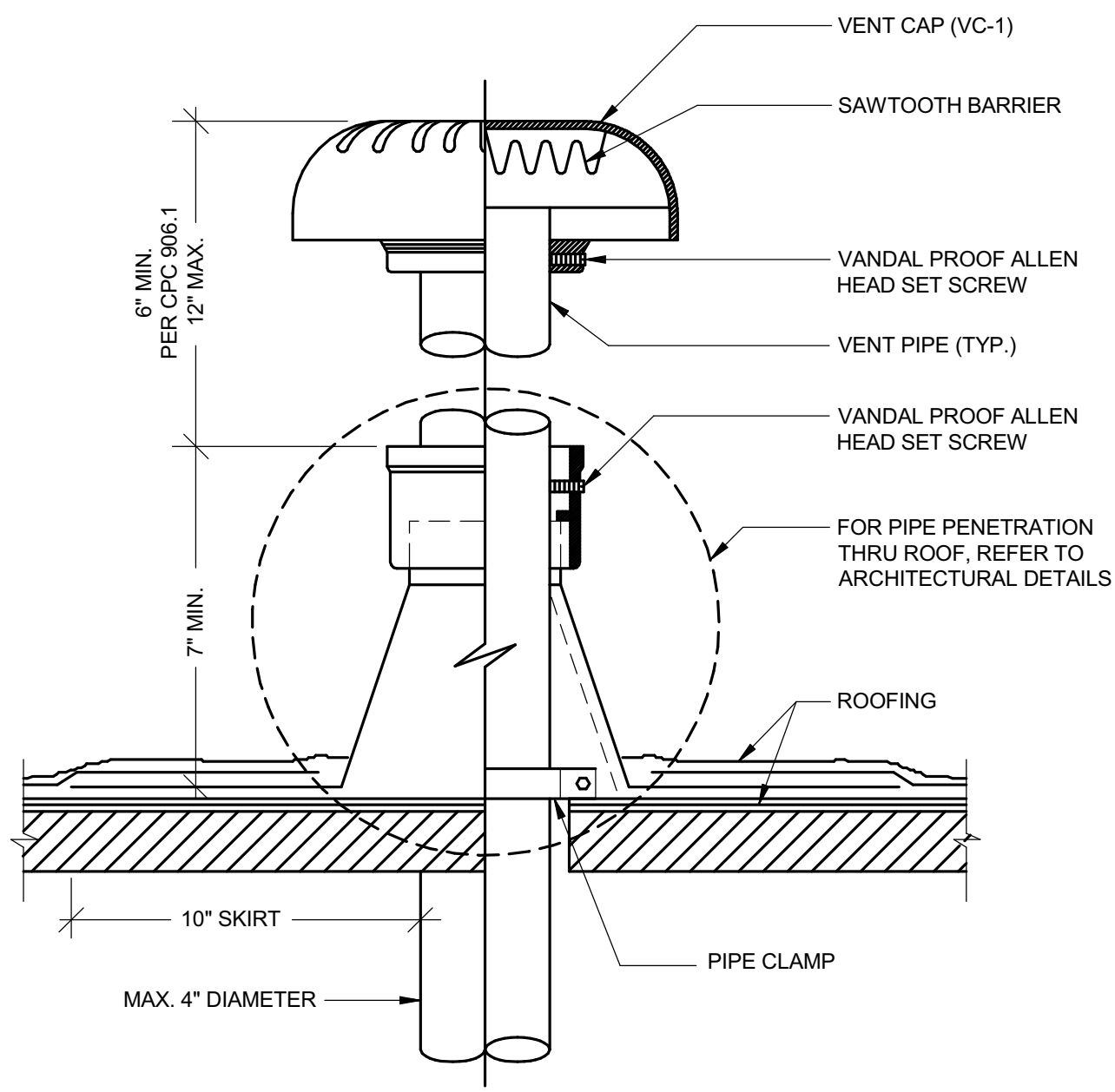
SHEET NO. \_\_\_\_\_

P2S No. J25-0014



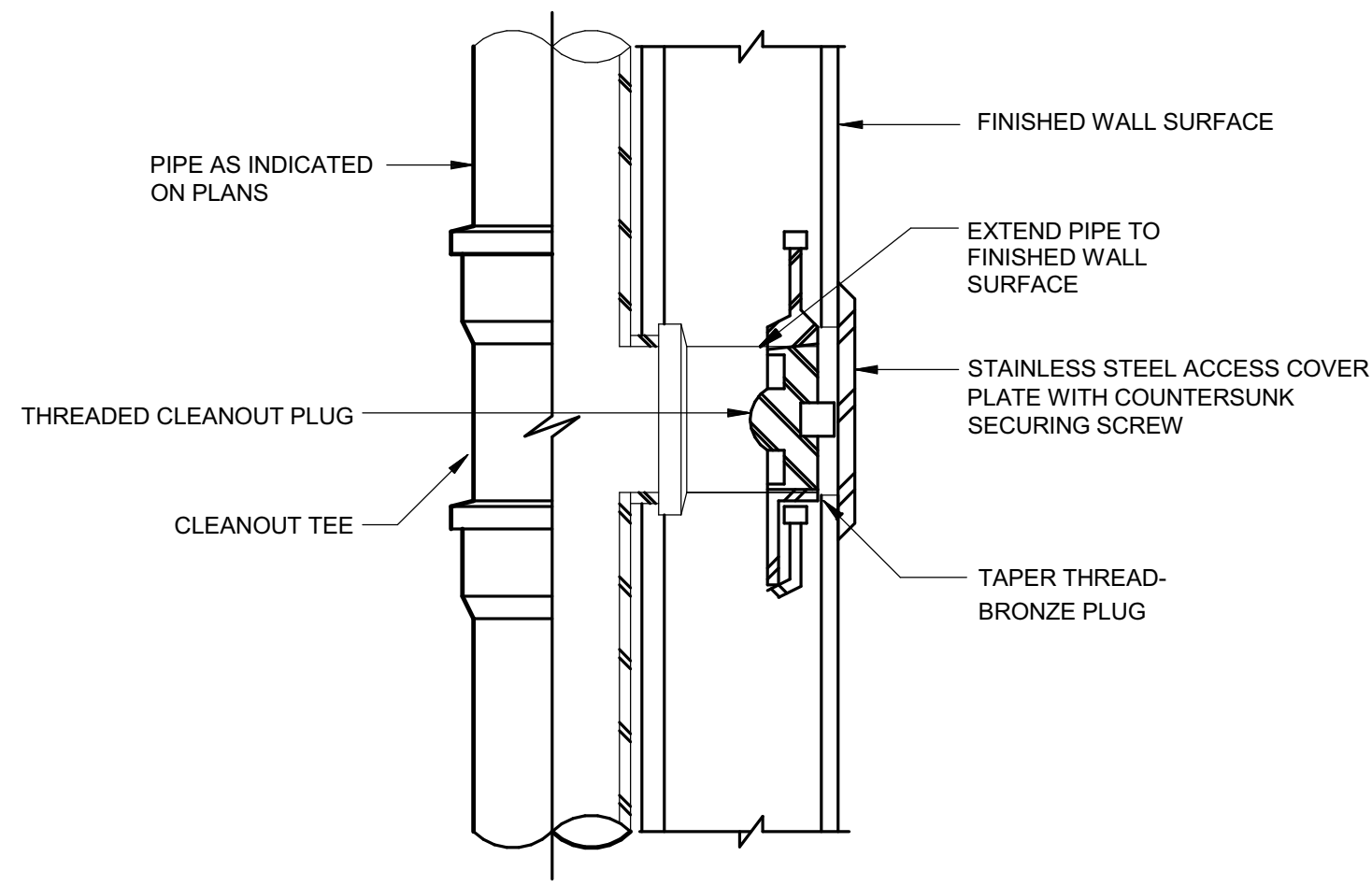
1 RISER DIAGRAM - CONDENSATE DRAIN





DETAIL NOTE:

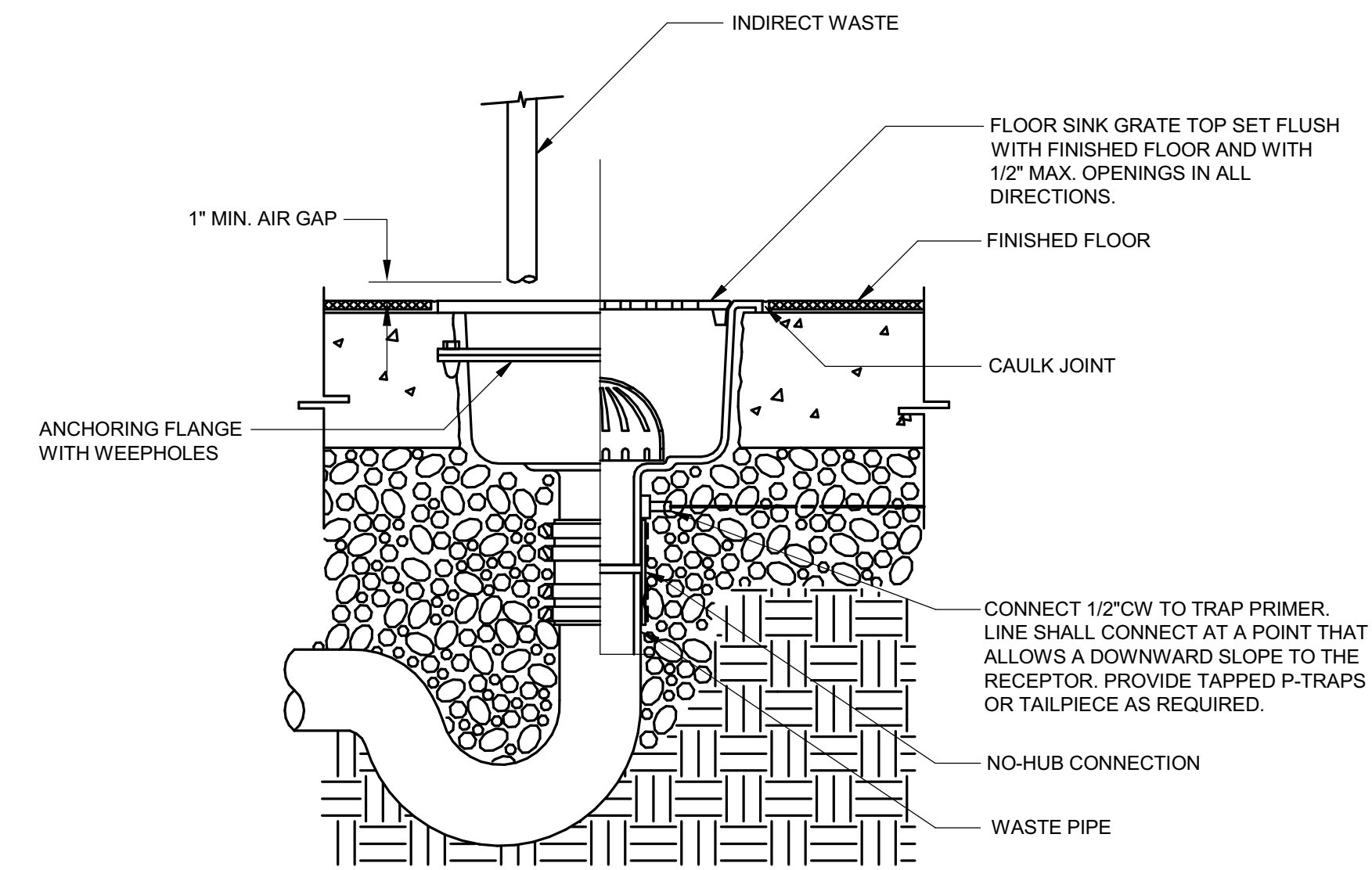
- A. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ROOF CONSTRUCTION, PENETRATION AND FLASHING.
- B. VENTS SHALL TERMINATE NOT LESS THAN 10 FT. AWAY FROM AC UNIT FRESH AIR INTAKES.
- C. VENTS SHALL TERMINATE NOT LESS THAN 1 FT. AWAY FROM ANY VERTICAL SURFACE.



NOTE:

- A. ACCESS COVER SIZE VARIOUS BASED ON PIPE SIZE
- B. ANCHOR SCREW IS 3-1/2" LONG

PIPE SIZE	COVER SIZE
2"	6"
3"	8"
4"	8"
6"	10"



6 VENT THRU ROOF (VTR)

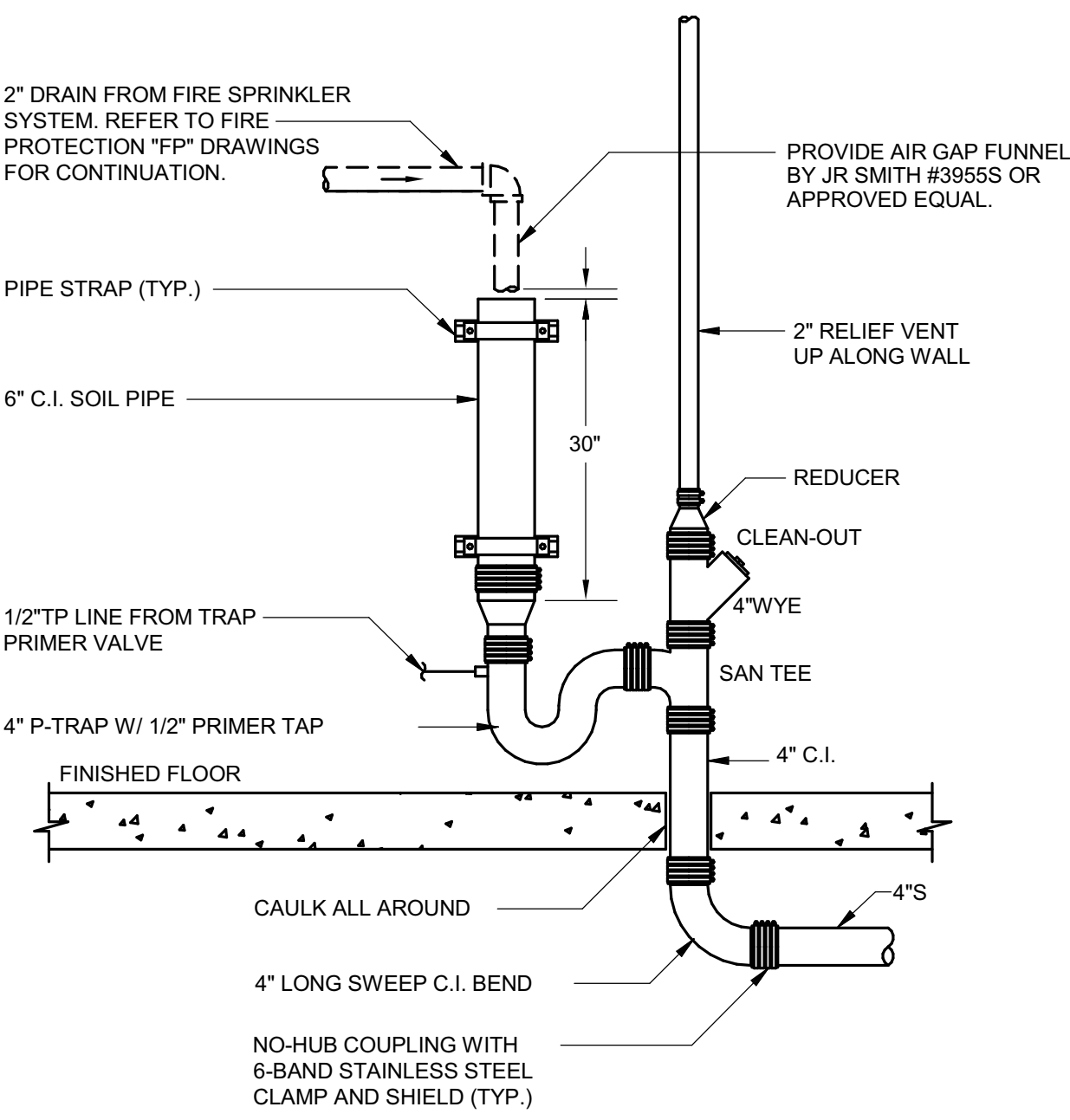
NO SCALE

4 WALL CLEANOUT DETAIL (WCO)

NO SCALE

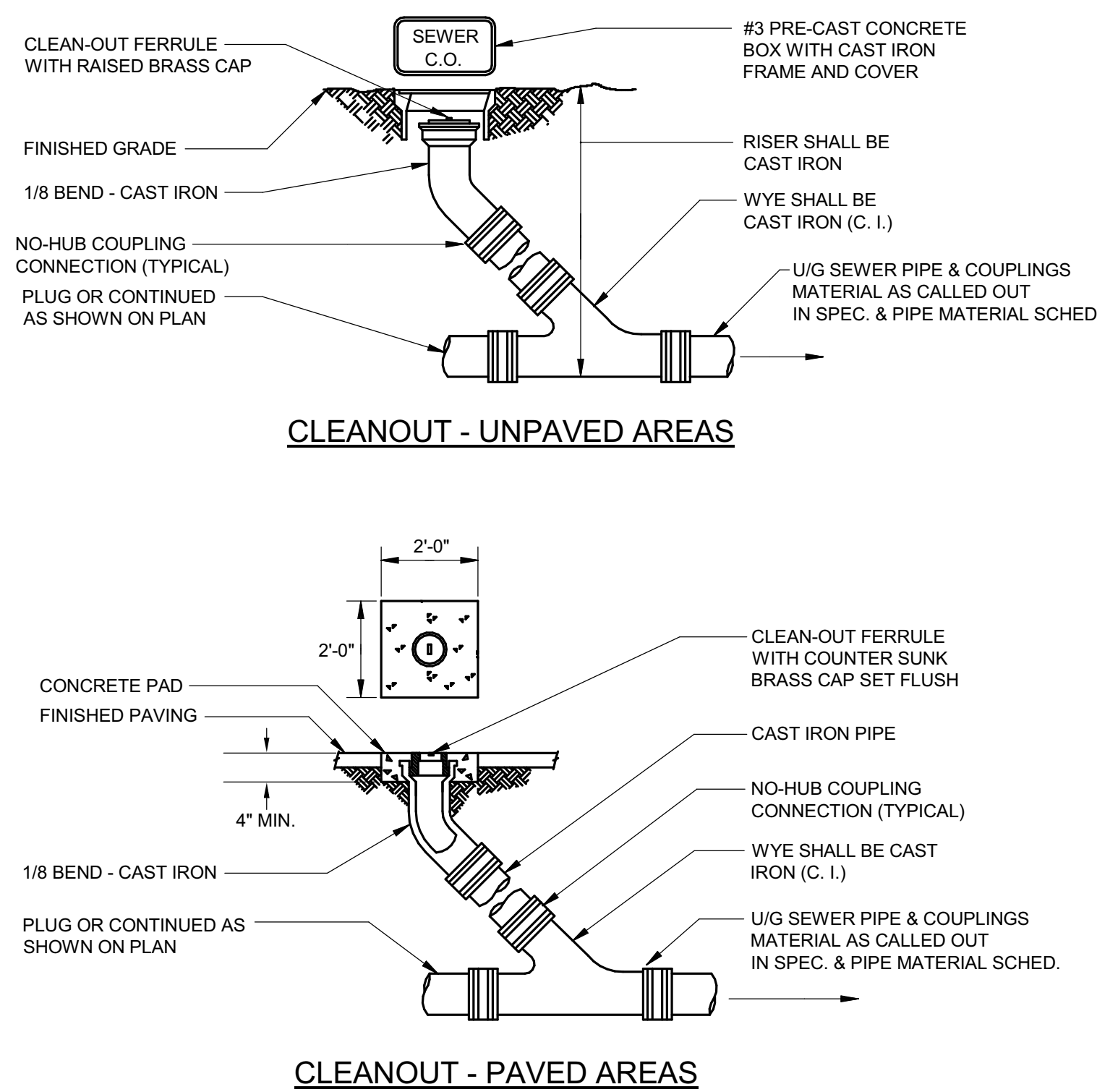
2 FLOOR SINK INSTALLATION DETAIL (FS-1)

NO SCALE



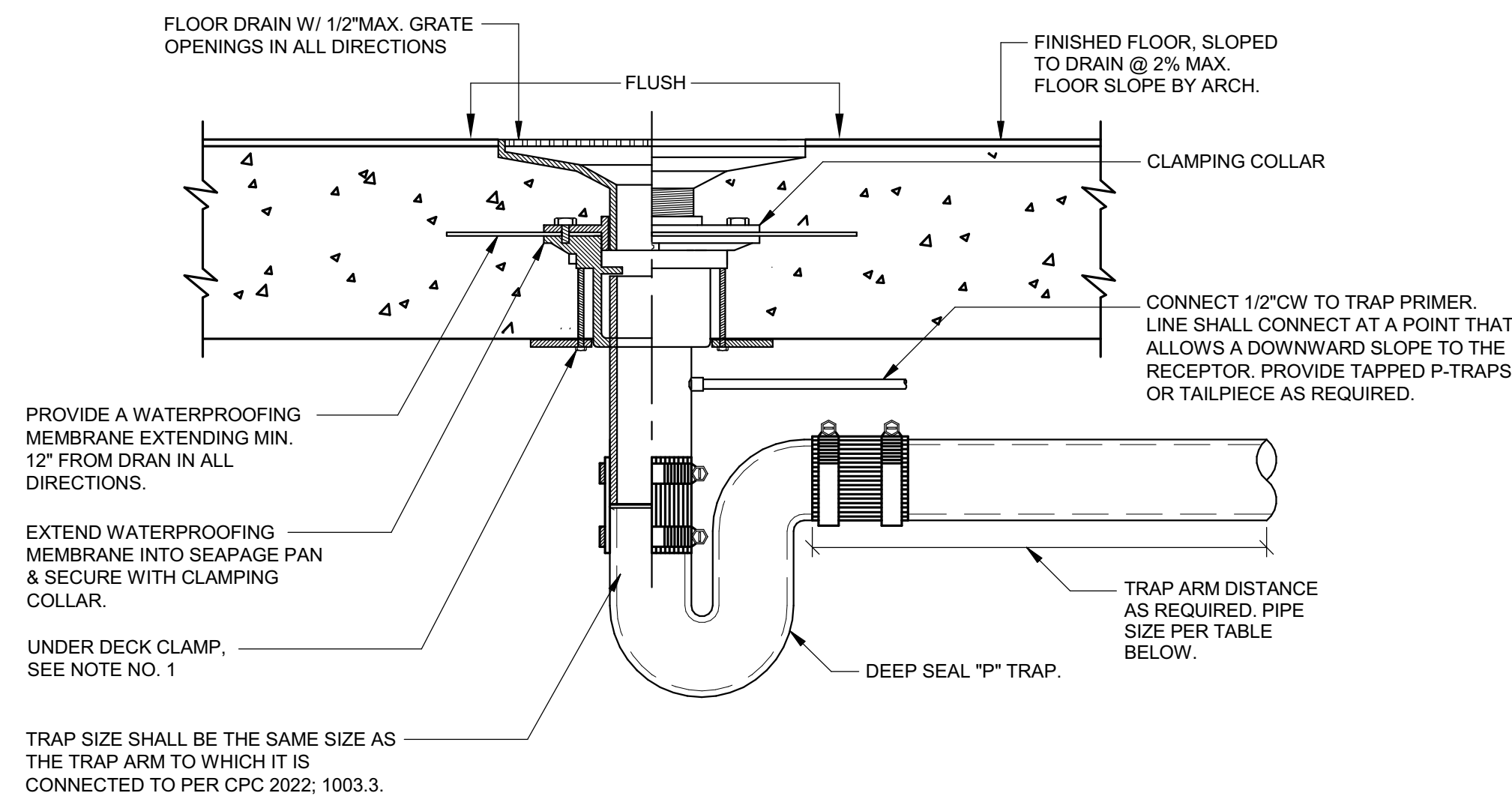
5 HUB DRAIN DETAIL

NO SCALE



3 CLEANOUT TO GRADE DETAIL (FCO/COTG)

NO SCALE



DETAIL NOTES:

1. PROVIDE UNDER DECK CLAMP ON THIN SLAB INSTALLATIONS OF 5" OR LESS (WHERE REQUIRED), SECURE CLAMP TO DRAIN.

HORIZONTAL LENGTH OF TRAP ARMS		
TRAP ARM PIPE DIAMETER	DISTANCE TRAP TO VENT MIN.	LENGTH MAXIMUM
1-1/4"	2-1/2"	30"
1-1/2"	3"	42"
2"	4"	60"
3"	6"	72"
4"	8"	120"

PER TABLE 1002.2, 2022 CPC.

1 FLOOR DRAIN INSTALLATION DETAIL (FD-1)

NO SCALE

SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY C Goodhue  
APPROVED BY M Shen  
CHECKED BY E Gomez  
DATE 10/29/2025  
TITLE

DETAILS

PROJECT NO. 50184767

P601

SHEET NO.  
P2S No. J25-0014

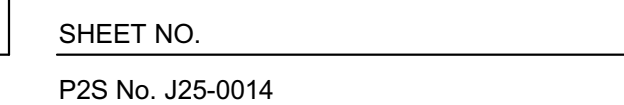




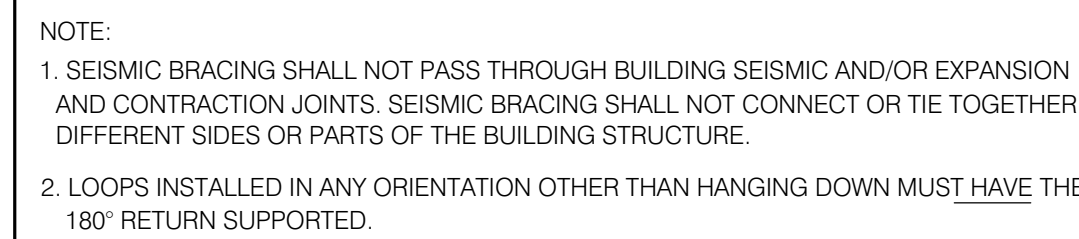




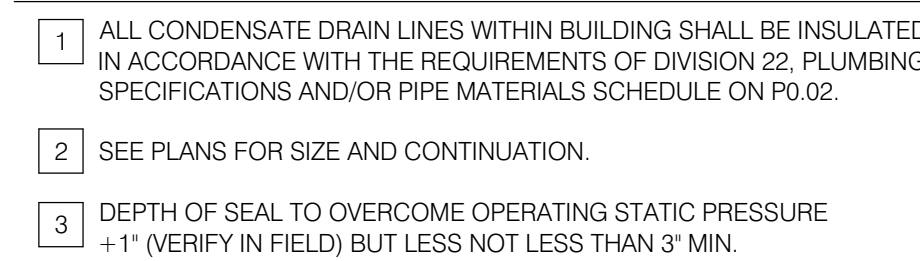




## P604



NO SCALE



### A. MANUALLY PRIME TRAP BEFORE START-UP

- A. MANUALLY PRIME TRAP BEFORE START-UP.
- B. SUPPORT DRAIN LINE TO PREVENT SAGS AND TERMINATE TO AN APPROVED RECEPTOR. (LAVATORY TAILPIECE, SERVICE SINK, FLOOR SINK OR ROOF RECEPTOR.)

4



- 1 8" DIA. TRAFFIC WEIGHT GALVANIZED COVER WITH BROOKS CONCRETE YARD BOX LABELLED "CONDENSATE DRAIN". LOCATE 2 FT. MINIMUM AHEAD FROM BUILDING PERIMETER, PREFERABLY IN A LANDSCAPE AREA.
- 2 CONDENSATE DRAIN PIPE FROM MECHANICAL FAN COIL UNIT. SEE FLOOR PLANS FOR ROUTING. PROVIDE 3/4" MINIMUM AIR GAP TO TOP OF PEA GRAVEL.
- 3 PROVIDE 8" x 3 FT. DEEP SECTION OF PERFORATED PVC PIPE.
- 4 FILL PIPE AND SURROUND PIPE WITH PEA GRAVEL.
- 5 FILTER FABRIC WRAPPING SHALL BE USED BETWEEN THE GRAVEL AND UNDISTURBED SOIL. THE FABRIC SHALL BE PERMEABLE, NON-WOVEN AND SHALL BE MANUFACTURED FROM POLYESTER, NYLON OR POLYPROPYLENE.
- 6 PIPE PROTECTION: ALL UNDERGROUND METALLIC PIPE WHETHER BURIED OR ENCASED SHALL BE WRAPPED WITH ANTI-CORROSIVE 20 MIL PVC OR INSTALLED IN 18" HD POLYETHYLENE SLEEVE CONFORMING TO ASTM D-1246 AND DASH/ANIRAWA C1056A/1.5.

2



5



- 1 WALL MOUNTED FAN COIL UNIT (BY MECHANICAL)
- 2 CONDENSATE PUMP (FURNISHED BY MECHANICAL  
INSTALLED BY PLUMBING AND WIRED BY ELECTRICAL)
- 3 PUMPED CONDENSATE DRAIN TUBING (CONCEALED  
IN WALL CAVITY).
- 4 CONDENSATE DRAIN PIPE SLOPED @ 1% MINIMUM -  
COPPER TYPE 'L' WITH INSULATION.
- 5 ROUTE CONDENSATE DRAIN LINE ABOVE CEILING TO  
APPROVED RECEPTOR. SLOPE @ 1% MINIMUM.
- 6 WALL (BY ARCHITECT)

1







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SCALE

[illegible]

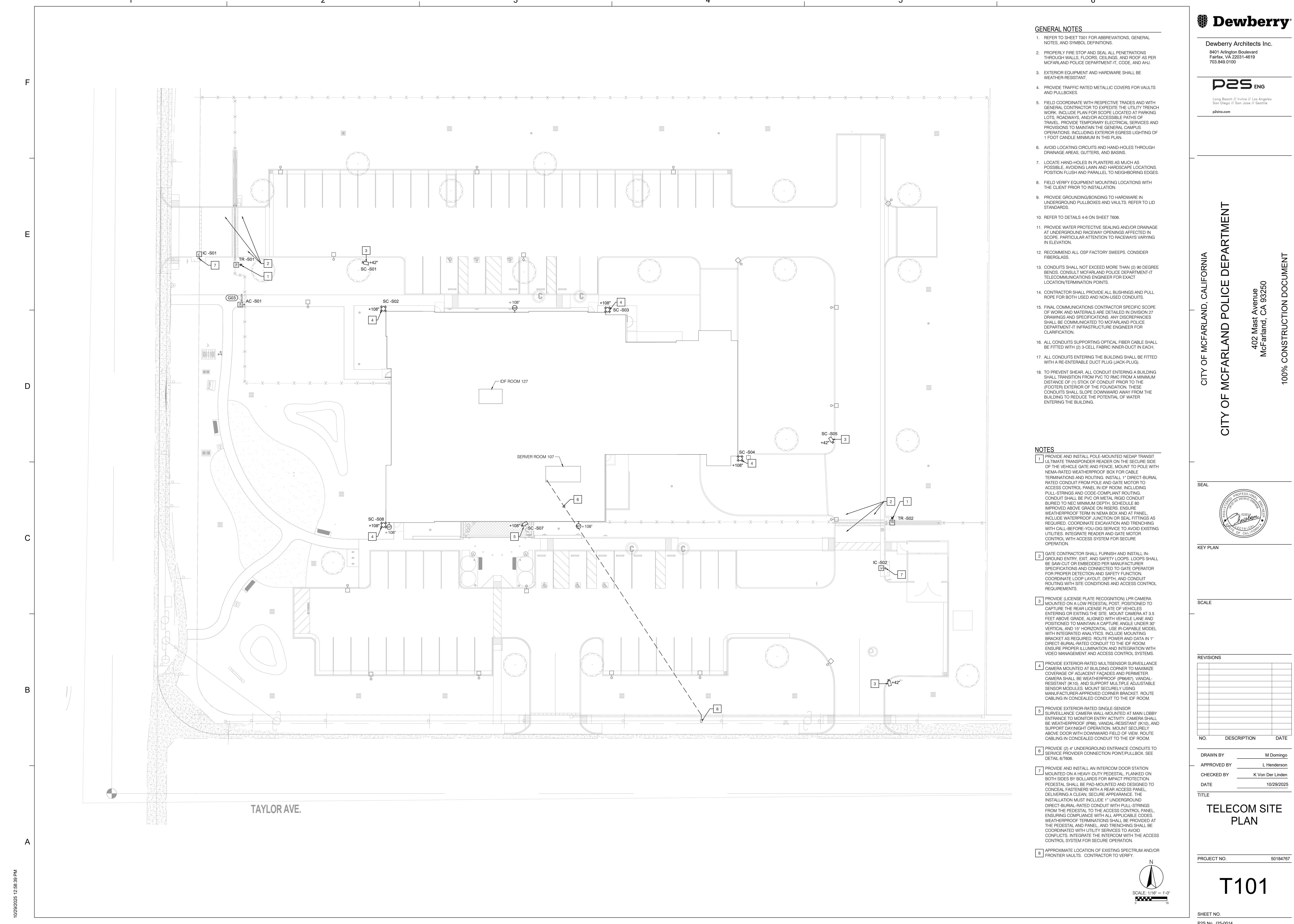
TITLE

P2S No. J25-0014

CAMERA ID	BASIS OF DESIGN	MOUNTING TYPE	LOCATION	REF. BDF/MDF/IDF	DETAIL REFERENCE	NOTES
T101						
SC-501	ILLUSTRATION - IPS05-B12-LPR4	WALL SURFACE	NORTHWEST VEHICLE GATE	IDF 127		LPR CAMERA
SC-502	ILLUSTRATION - IPR32-M13-OA4	WALL PENDANT	NORTHWEST EXTERIOR	IDF 127		
SC-503	ILLUSTRATION - IPR32-M13-OA4	WALL PENDANT	NORTHWEST EXTERIOR	IDF 127		
SC-504	ILLUSTRATION - IPR32-M13-OA4	WALL PENDANT	SOUTHEAST EXTERIOR	IDF 127		
SC-505	ILLUSTRATION - IPS05-B12-LPR4	WALL SURFACE	EAST VEHICLE GATE	IDF 127		LPR CAMERA
SC-506	ILLUSTRATION - IPS05-B12-LPR4	WALL SURFACE	EAST VEHICLE GATE	IDF 127		LPR CAMERA
SC-507	ILLUSTRATION - IPS05-D12-ATB4	WALL SURFACE	MAIN ENTRANCE EXTERIOR	IDF 127		
SC-508	ILLUSTRATION - IPR32-M13-OA4	WALL PENDANT	SOUTHWEST EXTERIOR	IDF 127		
T211						
SC-101	ILLUSTRATION - IPR20-M12-OA4	CEILING SURFACE	100 - LOBBY	IDF 127		
SC-102	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	100 - LOBBY	IDF 127		
SC-103	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	104 - RECORDS	IDF 127		
SC-104	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	1111 - CIRCULATION-1	IDF 127		
SC-105	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	1113 - CIRCULATION-3	IDF 127		
SC-106	ILLUSTRATION - IPS05-D12-ATB4	WALL SURFACE	1114 - CIRCULATION-4	IDF 127		
SC-107	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	122 - POLICE CHIEF OFFICE	IDF 127		
SC-108	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	127 - IDF	IDF 127		
SC-109	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	136 - CONF. /MAJOR CASE	IDF 127		
SC-110	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	145 - PROPERTY-1	IDF 127		
SC-111	ILLUSTRATION - IPS05-D12-ATB4	WALL SURFACE	149 - VAL	IDF 127		
SC-112	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	150 - CIRC	IDF 127		
SC-113	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	152 - JUV. OBSERV.	IDF 127		
SC-114	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	155 - TEMP. HOLDING	IDF 127		
SC-115	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	159 - CIRC	IDF 127		
SC-116	ILLUSTRATION - IPS10-M10-OA4	CEILING SURFACE	159 - CIRC	IDF 127		
SC-117	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	159 - CIRC	IDF 127		
SC-118	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	159 - CIRC	IDF 127		
SC-119	ILLUSTRATION - IPS05-D12-ATB4	WALL SURFACE	160 - SALLY-PORT	IDF 127		
SC-120	ILLUSTRATION - IPS05-D12-ATB4	WALL SURFACE	160 - SALLY-PORT	IDF 127		
SC-121	ILLUSTRATION - IPS05-D12-ATB4	CEILING SURFACE	161 - ELEC.	IDF 127		
SC-122	ILLUSTRATION - IPS05-D12-ATB4	WALL SURFACE	162 - BLOOD DRYING RM	IDF 127		

DEVICE ID	DOOR #	BASIS OF DESIGN	REFERENCED SHEET #	CONTROLLED SPACE	DOOR CONFIGURATION	REFERENCED IDF	DETAIL REFERENCE	NOTES
<b>(SDC) SECURITY DOOR CONTACT</b>								
DC-101A	100A	ARITECH - DC-107	T201	100 - LOBBY	SF-DOUBLE LEAF	IDF 127		
DC-101B	100A	ARITECH - DC-107	T201	100 - LOBBY	SF-DOUBLE LEAF	IDF 127		
DC-102	101B	ARITECH - DC-107	T201	101 - COMMUNITY RM. E O.C.	HM-SINGLE LEAF	IDF 127	2/7622	
<b>CREDENTIAL READER</b>								
AC-101	110	KANTECH - KT-SG-MT2	T201	110 - BREAK RM	HM-SINGLE LEAF	IDF 127	4/7622	
AC-102	111A	KANTECH - KT-SG-MT2	T201	111.4 - CIRCULATION-4111 - CIRCULATION	HM-SINGLE LEAF	IDF 127	4/7622	
AC-103	111B	KANTECH - KT-SG-MT2	T201	111.1 - CIRCULATION-1111 - CIRCULATION	HM-SINGLE LEAF	IDF 127	4/7622	
AC-104	111C	KANTECH - KT-SG-MT2	T201	111.3 - CIRCULATION-3	HM-SINGLE LEAF	IDF 127	4/7622	
AC-106	147	KANTECH - KT-SG-MT2	T201	147 - WEAPON	HM-SINGLE LEAF	IDF 127	4/7622	
AC-107	148	KANTECH - KT-SG-MT2	T201	148 - DRUGS	HM-SINGLE LEAF	IDF 127	4/7622	
AC-108	149	KANTECH - KT-SG-MT2	T201	149 - VAL	HM-SINGLE LEAF	IDF 127	4/7622	
AC-109	150	KANTECH - KT-SG-MT2	T201	150 - CIRC.	HM-SINGLE LEAF	IDF 127	4/7622	
AC-110	159A	KANTECH - KT-SG-MT2	T201	150 - CIRC.	HM-SINGLE LEAF	IDF 127	4/7622	
AC-111	159A	KANTECH - KT-SG-MT2	T201	160 - SALLY-PORT160 - SALLY-PORT	HM-SINGLE LEAF	IDF 127	4/7622	
AC-112	159B	KANTECH - KT-SG-MT2	T201	140 - CIRC	HM-SINGLE LEAF	IDF 127	4/7622	
AC-113	159B	KANTECH - KT-SG-MT2	T201	159 - CIRC159 - CIRC	HM-SINGLE LEAF	IDF 127	4/7622	
AC-114	160C	KANTECH - KT-SG-MT2	T201	SOUTH EXTERIOR	HANGER DOOR	IDF 127		
AC-115	161A	KANTECH - KT-SG-MT2	T201	160 - SALLY-PORT160 - SALLY-PORT	HM-SINGLE LEAF	IDF 127	4/7622	
AC-116	161B	KANTECH - KT-SG-MT2	T201	160 - SALLY-PORT	HANGER DOOR	IDF 127		
AC-117	155	KANTECH - KT-SG-MT2	T201	143 - INT155 - TEMP. HOLDING	HOLDING CELL	IDF 127		
AC-118	156	KANTECH - KT-SG-MT2	T201	156 - TEMP. HOLDING156 - TEMP. HOLDING	HOLDING CELL	IDF 127		
AC-119	126	KANTECH - KT-SG-MT2	T201	136 - ARMORY	HM-SINGLE LEAF	IDF 127	4/7622	
AC-120	127	KANTECH - KT-SG-MT2	T201	127 - IDF	HM-SINGLE LEAF	IDF 127	4/7622	
AC-121	146	KANTECH - KT-SG-MT2	T201	146 - EVD PROCESS	HM-SINGLE LEAF	IDF 127	4/7622	
AC-122	145	KANTECH - KT-SG-MT2	T201	145-1 - PROPERTY-1	HM-SINGLE LEAF	IDF 127	4/7622	
<b>DURESS BUTTON</b>								
DB-101	N/A	ALARM CONTROLS - KR-1-1-GR	T201	104 - RECORDS	N/A	IDF 127		
DB-102	N/A	ALARM CONTROLS - KR-1-1-GR	T201	142 - INT	N/A	IDF 127		
DB-103	N/A	ALARM CONTROLS - KR-1-1-GR	T201	142 - INT	N/A	IDF 127		
DB-104	N/A	ALARM CONTROLS - KR-1-1-GR	T201	142 - INT	N/A	IDF 127		
DB-105	N/A	ALARM CONTROLS - KR-1-1-GR	T201	142 - INT	N/A	IDF 127		
DB-106	N/A	ALARM CONTROLS - KR-1-1-GR	T201	143 - INT	N/A	IDF 127		
DB-107	N/A	ALARM CONTROLS - KR-1-1-GR	T201	143 - INT	N/A	IDF 127		
DB-108	N/A	ALARM CONTROLS - KR-1-1-GR	T201	143 - INT	N/A	IDF 127		
DB-109	N/A	ALARM CONTROLS - KR-1-1-GR	T201	143 - INT	N/A	IDF 127		
DB-110	N/A	ALARM CONTROLS - KR-1-1-GR	T201	154 - BOOKING	N/A	IDF 127		
DB-111	N/A	ALARM CONTROLS - KR-1-1-GR	T201	154 - BOOKING	N/A	IDF 127		
DB-112	N/A	ALARM CONTROLS - KR-1-1-GR	T201	157 - HARD INT	N/A	IDF 127		
DB-113	N/A	ALARM CONTROLS - KR-1-1-GR	T201	157 - HARD INT	N/A	IDF 127		
DB-114	N/A	ALARM CONTROLS - KR-1-1-GR	T201	157 - HARD INT	N/A	IDF 127		
DB-115	N/A	ALARM CONTROLS - KR-1-1-GR	T201	157 - HARD INT	N/A	IDF 127		
DB-116	N/A	ALARM CONTROLS - KR-1-1-GR	T201	159 - CIRC	N/A	IDF 127		
DB-117	N/A	ALARM CONTROLS - KR-1-1-GR	T201	159 - CIRC	N/A	IDF 127		
DB-118	N/A	ALARM CONTROLS - KR-1-1-GR	T201	160 - SALLY-PORT	N/A	IDF 127		
<b>INTERCOM - DOOR STATION</b>								
IC-103	155	AIPHONE - IX-SS-2G	T201	155 - TEMP. HOLDING155 - TEMP. HOLDING	HOLDING CELL	IDF 127		
IC-104		AIPHONE - IX-SS-2G	T201	156 - TEMP. HOLDING156 - TEMP. HOLDING	HOLDING CELL	IDF 127		





GENERAL NOTES

- REFER TO SHEET T001 FOR ABBREVIATIONS, GENERAL NOTES, AND SYMBOL DEFINITIONS.
- PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER MCFARLAND POLICE DEPARTMENT-IT, CODE, AND AHJ.
- EXTERIOR EQUIPMENT AND HARDWARE SHALL BE WEATHER-RESISTANT.
- PROVIDE TRAFFIC RATED METALLIC COVERS FOR VAULTS AND PULLBOXES.
- FIELD COORDINATE WITH RESPECTIVE TRADES AND WITH GENERAL CONTRACTOR TO EXPEDITE THE UTILITY TRENCH WORK. INCLUDE PLAN FOR SCOPE LOCATED AT PARKING LOTS, ROADWAYS, AND/OR ACCESSIBLE PATHS OF TRAVEL. PROVIDE TEMPORARY ELECTRICAL SERVICES AND PROVISIONS TO MAINTAIN THE GENERAL CAMPUS OPERATIONS, INCLUDING EXTERIOR EGRESS LIGHTING OF 1 FOOT CANDLE MINIMUM IN THIS PLAN.
- AVOID LOCATING CIRCUITS AND HAND-HOLES THROUGH DRAINAGE AREAS, GUTTERS, AND BASINS.
- LOCATE HAND-HOLES IN PLANTERS AS MUCH AS POSSIBLE, AVOIDING LAWN AND HARDSCAPE LOCATIONS. POSITION FLUSH AND PARALLEL TO NEIGHBORING EDGES.
- FIELD VERIFY EQUIPMENT MOUNTING LOCATIONS WITH THE CLIENT PRIOR TO INSTALLATION.
- PROVIDE GROUNDING/BONDING TO HARDWARE IN UNDERGROUND PULLBOXES AND VAULTS. REFER TO LID STANDARDS.
- REFER TO DETAILS 4-6 ON SHEET T606.
- PROVIDE WATER PROTECTIVE SEALING AND/OR DRAINAGE AT UNDERGROUND RACEWAY OPENINGS AFFECTED IN SCOPE. PARTICULAR ATTENTION TO RACEWAYS VARYING IN ELEVATION.
- RECOMMEND ALL OSP FACTORY SWEEPS. CONSIDER FIBERGLASS.
- CONDUITS SHALL NOT EXCEED MORE THAN (2) 90 DEGREE BENDS. CONSULT MCFARLAND POLICE DEPARTMENT-IT TELECOMMUNICATIONS ENGINEER FOR EXACT LOCATION/TERMINATION POINTS.
- CONTRACTOR SHALL PROVIDE ALL BUSHINGS AND PULL ROPE FOR BOTH USED AND NON-USED CONDUITS.
- FINAL COMMUNICATIONS CONTRACTOR SPECIFIC SCOPE OF WORK AND MATERIALS ARE DETAILED IN DIVISION 27 DRAWINGS AND SPECIFICATIONS. ANY DISCREPANCIES SHALL BE COMMUNICATED TO MCFARLAND POLICE DEPARTMENT-IT INFRASTRUCTURE ENGINEER FOR CLARIFICATION.
- ALL CONDUITS SUPPORTING OPTICAL FIBER CABLE SHALL BE FITTED WITH (2) 3-CELL FABRIC INNER-DUCT IN EACH.
- ALL CONDUITS ENTERING THE BUILDING SHALL BE FITTED WITH A RE-ENTERABLE DUCT PLUG (JACK-PLUG).
- TO PREVENT SHEAR, ALL CONDUIT ENTERING A BUILDING SHALL TRANSITION FROM PVC TO RMC FROM A MINIMUM DISTANCE OF (1) STICK OF CONDUIT PRIOR TO THE (FOOTER) EXTERIOR OF THE FOUNDATION. THESE CONDUITS SHALL SLOPE DOWNWARD AWAY FROM THE BUILDING TO REDUCE THE POTENTIAL OF WATER ENTERING THE BUILDING.

NOTES

- PROVIDE AND INSTALL POLE-MOUNTED NEDAP TRANSIT ULTIMATE TRANSPONDER READER ON THE SECURE SIDE OF THE VEHICLE GATE AND FENCE. MOUNT TO POLE WITH NEMA-RATED WEATHERPROOF BOX FOR CABLE TERMINATIONS AND ROUTINGS. INSTALL 1" DIRECT-BURIAL RATED CONDUIT FROM POLE AND GATE MOTOR TO ACCESS CONTROL PANEL IN IDF ROOM, INCLUDING PULL-STRINGS AND CODE-COMPLIANT ROUTING. CONDUIT SHALL BE PVC OR METAL RIGID CONDUIT BURIED TO NEC MINIMUM DEPTH, SCHEDULE 80 IMPROVED ABOVE GRADE ON RISERS. ENSURE WEATHERPROOF TERM IN NEMA BOX AND AT PANEL. INCLUDE WATERPROOF JUNCTION OR SEAL FITTINGS AS REQUIRED. COORDINATE EXCAVATION AND TRENCHING WITH CALL-BEFORE-YOU-DIG SERVICE TO AVOID EXISTING UTILITIES. INTEGRATE READER AND GATE MOTOR CONTROL WITH ACCESS SYSTEM FOR SECURE OPERATION.
- GATE CONTRACTOR SHALL FURNISH AND INSTALL IN-GROUND ENTRY, EXIT, AND SAFETY LOOPS. LOOPS SHALL BE SAW-CUT OR EMBEDDED PER MANUFACTURER SPECIFICATIONS AND CONNECTED TO GATE OPERATOR FOR PROPER DETECTION AND SAFETY FUNCTION. COORDINATE LOOP LAYOUT, DEPTH, AND CONDUIT ROUTING WITH SITE CONDITIONS AND ACCESS CONTROL REQUIREMENTS.
- PROVIDE LICENSE PLATE RECOGNITION (LPR) CAMERA MOUNTED ON A LOW PEDESTAL POST, POSITIONED TO CAPTURE THE REAR LICENSE PLATE OF VEHICLES ENTERING OR EXITING THE SITE. MOUNT CAMERA AT 3.5 FEET ABOVE GRADE, ALIGNED WITH VEHICLE LANE AND POSITIONED TO MAINTAIN A CAPTURE ANGLE UNDER 30° VERTICAL AND 15° HORIZONTAL. USE IR-CAPABLE MODEL WITH INTEGRATED ANALYTICS. INCLUDE MOUNTING BRACKET AS REQUIRED. ROUTE POWER AND DATA IN 1" DIRECT-BURIAL-RATED CONDUIT TO THE IDF ROOM. ENSURE PROPER ILLUMINATION AND INTEGRATION WITH VIDEO MANAGEMENT AND ACCESS CONTROL SYSTEMS.
- PROVIDE EXTERIOR-RATED MULTISENSOR SURVEILLANCE CAMERA MOUNTED AT BUILDING CORNER TO MAXIMIZE COVERAGE OF ADJACENT FAÇADES AND PERIMETER. CAMERA SHALL BE WEATHERPROOF (IP66/67), VANDAL-RESISTANT (IK10), AND SUPPORT MULTIPLE ADJUSTABLE SENSOR MODULES. MOUNT SECURELY USING MANUFACTURER-APPROVED CORNER BRACKET. ROUTE CABLING IN CONCEALED CONDUIT TO THE IDF ROOM.
- PROVIDE EXTERIOR-RATED SINGLE-SENSOR SURVEILLANCE CAMERA WALL-MOUNTED AT MAIN LOBBY ENTRANCE TO MONITOR ENTRY ACTIVITY. CAMERA SHALL BE WEATHERPROOF (IP66), VANDAL-RESISTANT (IK10), AND SUPPORT DAY/NIGHT OPERATION. MOUNT SECURELY ABOVE DOOR WITH DOWNWARD FIELD OF VIEW. ROUTE CABLING IN CONCEALED CONDUIT TO THE IDF ROOM.
- PROVIDE (2) 4" UNDERGROUND ENTRANCE CONDUITS TO SERVICE PROVIDER CONNECTION POINT/PULLBOX. SEE DETAIL 6/T606.
- PROVIDE AND INSTALL AN INTERCOM DOOR STATION MOUNTED ON A HEAVY-DUTY PEDESTAL, FLANKED ON BOTH SIDES BY BOLLARDS FOR IMPACT PROTECTION. PEDESTAL SHALL BE PAD-MOUNTED AND DESIGNED TO CONCEAL FASTENERS WITH A REAR ACCESS PANEL, DELIVERING A CLEAN, SECURE APPEARANCE. THE INSTALLATION MUST INCLUDE 1" UNDERGROUND DIRECT-BURIAL-RATED CONDUIT WITH PULL-STRINGS FROM THE PEDESTAL TO THE ACCESS CONTROL PANEL, ENSURING COMPLIANCE WITH ALL APPLICABLE CODES. WEATHERPROOF TERMINATIONS SHALL BE PROVIDED AT THE PEDESTAL AND PANEL. AND TRENCHING SHALL BE COORDINATED WITH UTILITY SERVICES TO AVOID CONFLICTS. INTEGRATE THE INTERCOM WITH THE ACCESS CONTROL SYSTEM FOR SECURE OPERATION.
- APPROXIMATE LOCATION OF EXISTING SPECTRUM AND/OR FRONTIER VAULTS. CONTRACTOR TO VERIFY.



Dewberry Architects Inc.

8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

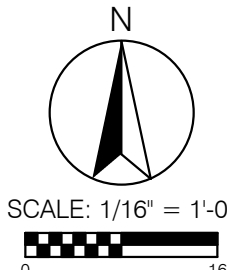
DRAWN BY M Domingo  
APPROVED BY L Henderson  
CHECKED BY K Von Der Linden  
DATE 10/29/2025  
TITLE

TELECOM SITE  
PLAN

PROJECT NO. 50184767

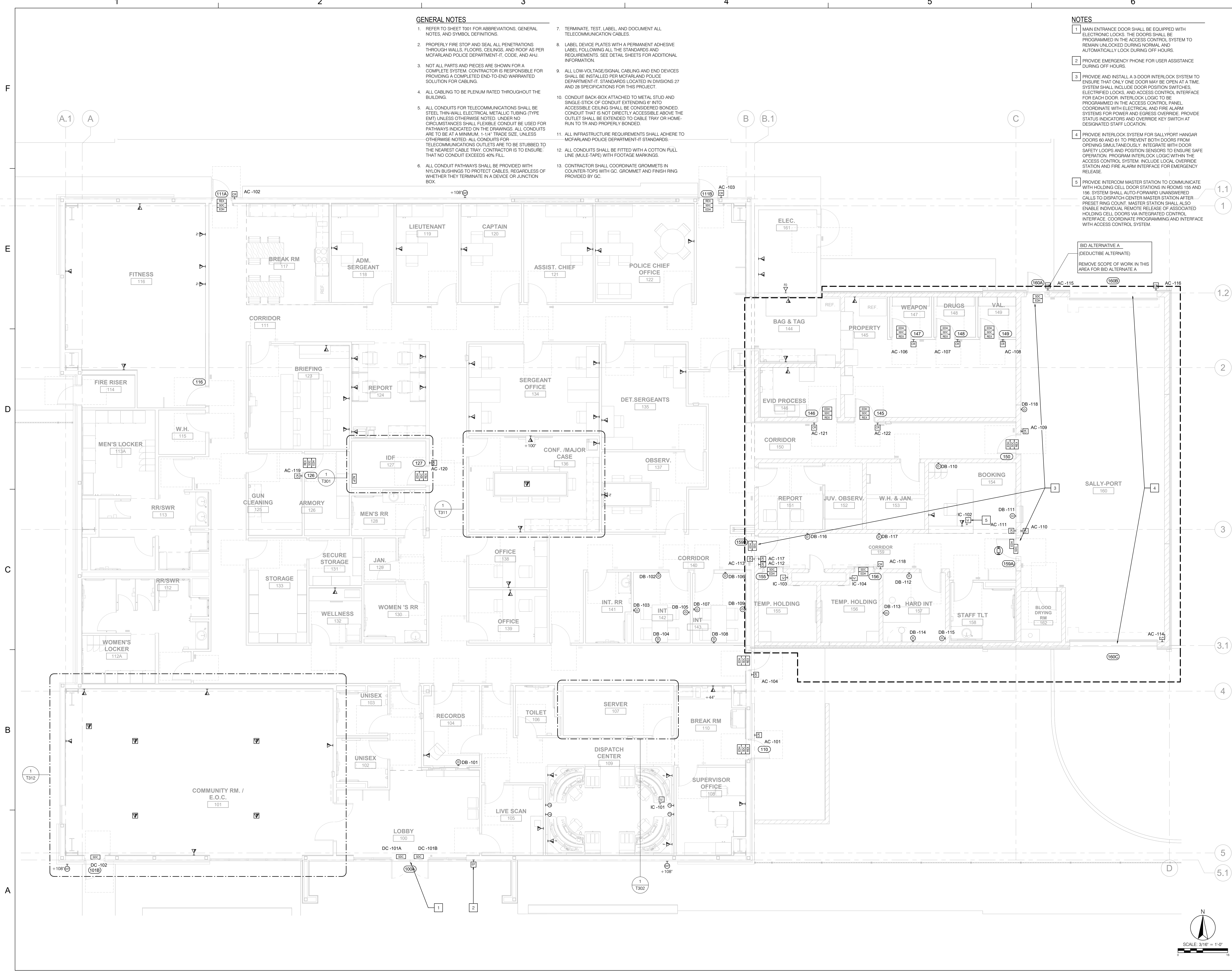
T101

SHEET NO.  
P2S No. J25-0014





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GENERAL NOTES

1. REFER TO SHEET T001 FOR ABBREVIATIONS, GENERAL NOTES, AND SYMBOL DEFINITIONS.
2. PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER MCFARLAND POLICE DEPARTMENT-IT, CODE, AND AHJ.
3. NOT ALL PARTS AND PIECES ARE SHOWN FOR A COMPLETE SYSTEM. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETED END-TO-END WARRANTED SOLUTION FOR CABLING.
4. ALL CABLING TO BE PLENUM RATED THROUGHOUT THE BUILDING.
5. ALL CONDUITS FOR TELECOMMUNICATIONS SHALL BE STEEL THIN-WALL ELECTRICAL METALLIC TUBING (TYPE EMT) UNLESS OTHERWISE NOTED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE CONDUIT BE USED FOR PATHWAYS INDICATED ON THE DRAWINGS. ALL CONDUITS ARE TO BE AT A MINIMUM, 1-1/4" TRADE SIZE, UNLESS OTHERWISE NOTED. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS ARE TO BE STUBBED TO THE NEAREST CABLE TRAY. CONTRACTOR IS TO ENSURE THAT NO CONDUIT EXCEEDS 40% FILL.
6. ALL CONDUIT PATHWAYS SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLES, REGARDLESS OF WHETHER THEY TERMINATE IN A DEVICE OR JUNCTION BOX.
7. TERMINATE, TEST, LABEL, AND DOCUMENT ALL TELECOMMUNICATION CABLES.
8. LABEL DEVICE PLATES WITH A PERMANENT ADHESIVE LABEL FOLLOWING ALL THE STANDARDS AND REQUIREMENTS. SEE DETAIL SHEETS FOR ADDITIONAL INFORMATION.
9. ALL LOW-VOLTAGE/SIGNAL CABLING AND END DEVICES SHALL BE INSTALLED PER MCFARLAND POLICE DEPARTMENT-IT STANDARDS LOCATED IN DIVISIONS 27 AND 28 SPECIFICATIONS FOR THIS PROJECT.
10. CONDUIT BACK-BOX ATTACHED TO METAL STUD AND SINGLE-STICK OF CONDUIT EXTENDING 6" INTO ACCESSIBLE CEILING SHALL BE CONSIDERED BONDED. CONDUIT THAT IS NOT DIRECTLY ACCESSIBLE ABOVE THE OUTLET SHALL BE EXTENDED TO CABLE TRAY OR HOME-RUN TO TR AND PROPERLY BONDED.
11. ALL INFRASTRUCTURE REQUIREMENTS SHALL ADHERE TO MCFARLAND POLICE DEPARTMENT-IT STANDARDS.
12. ALL CONDUITS SHALL BE FITTED WITH A COTTON PULL LINE (MULE-TAPE) WITH FOOTAGE MARKINGS.
13. CONTRACTOR SHALL COORDINATE GROMMETS IN COUNTER-TOPS WITH GC. GROMMET AND FINISH RING PROVIDED BY GC.

NOTES

1. MAIN ENTRANCE DOOR SHALL BE EQUIPPED WITH ELECTRONIC LOCKS. THE DOORS SHALL BE PROGRAMMED IN THE ACCESS CONTROL SYSTEM TO REMAIN UNLOCKED DURING NORMAL AND AUTOMATICALLY LOCK DURING OFF HOURS.
2. PROVIDE EMERGENCY PHONE FOR USER ASSISTANCE DURING OFF HOURS.
3. PROVIDE AND INSTALL A 9-DOOR INTERLOCK SYSTEM TO ENSURE THAT ONLY ONE DOOR MAY BE OPEN AT A TIME. SYSTEM SHALL INCLUDE DOOR POSITION SWITCHES, ELECTRIFIED LOCKS, AND ACCESS CONTROL INTERFACE FOR EACH DOOR. INTERLOCK LOGIC TO BE PROGRAMMED IN THE ACCESS CONTROL PANEL. COORDINATE WITH ELECTRICAL AND FIRE ALARM SYSTEMS FOR POWER AND EGRESS OVERRIDE. PROVIDE STATUS INDICATORS AND OVERRIDE KEY SWITCH AT DESIGNATED STAFF LOCATION.
4. PROVIDE INTERLOCK SYSTEM FOR SALLYPORT HANGAR DOORS 60 AND 61 TO PREVENT BOTH DOORS FROM OPENING SIMULTANEOUSLY. INTEGRATE WITH DOOR SAFETY LOOPS AND POSITION SENSORS TO ENSURE SAFE OPERATION. PROGRAM INTERLOCK LOGIC WITHIN THE ACCESS CONTROL SYSTEM. INCLUDE LOCAL OVERRIDE STATION AND FIRE ALARM INTERFACE FOR EMERGENCY RELEASE.
5. PROVIDE INTERCOM MASTER STATION TO COMMUNICATE WITH HOLDING CELL DOOR STATIONS IN ROOMS 155 AND 156. SYSTEM SHALL AUTO-FORWARD UNANSWERED CALLS TO DISPATCH CENTER MASTER STATION AFTER PRESET RING COUNT. MASTER STATION SHALL ALSO ENABLE INDIVIDUAL REMOTE RELEASE OF ASSOCIATED HOLDING CELL DOORS VIA INTEGRATED CONTROL INTERFACE. COORDINATE PROGRAMMING AND INTERFACE WITH ACCESS CONTROL SYSTEM.

BID ALTERNATIVE A  
(DEDUCTIBLE ALTERNATE)  
REMOVE SCOPE OF WORK IN THIS AREA FOR BID ALTERNATE A

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Fairfax, VA 22031-4619  
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SCALE

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NO.	DESCRIPTION	DATE

DRAWN BY M Domingo  
APPROVED BY L Henderson  
CHECKED BY K Von Der Linden  
DATE 10/29/2025  
TITLE

FIRST FLOOR  
TELECOM PLAN

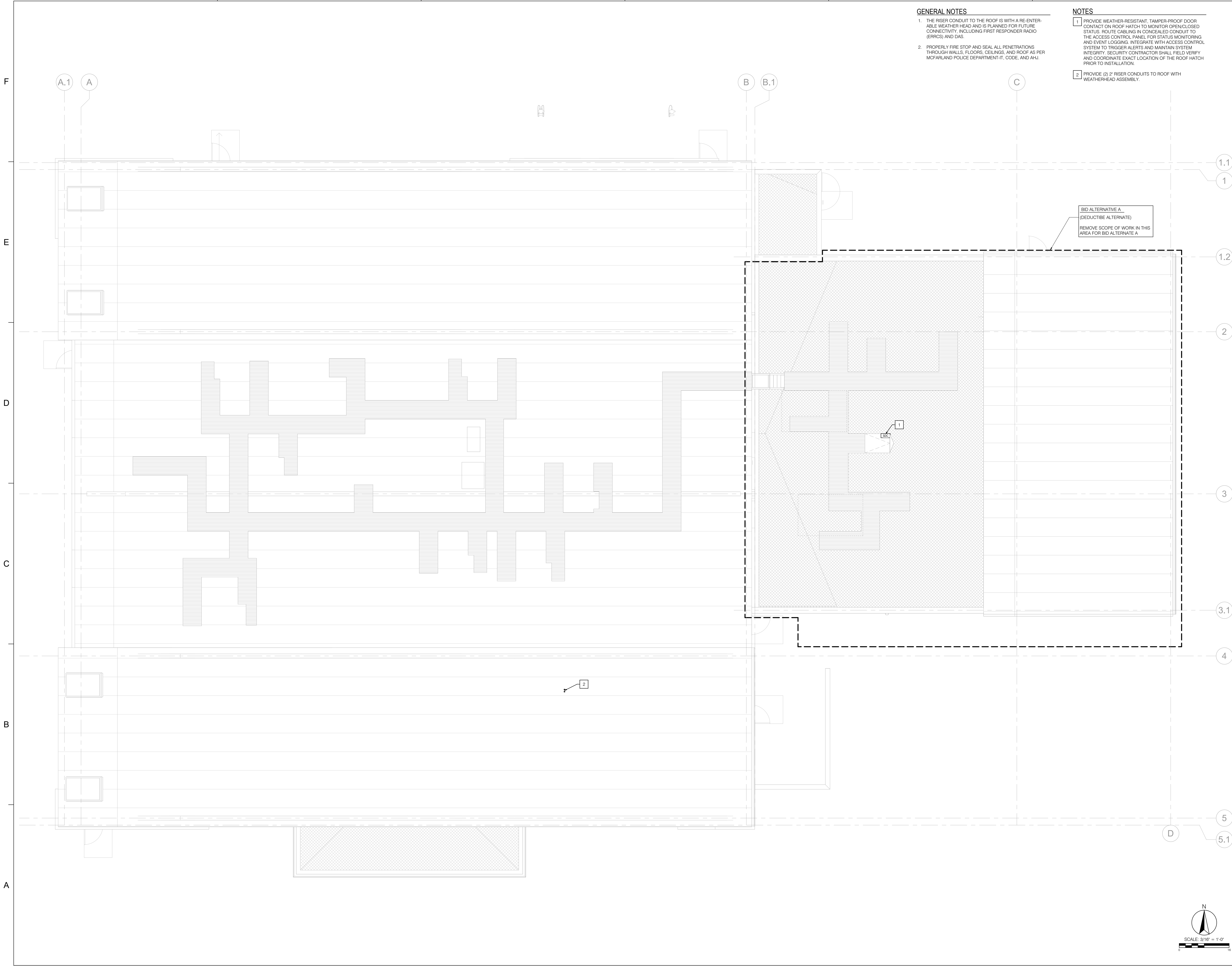
PROJECT NO. 50184767

T201

SHEET NO.  
P2S No. J25-0014



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GENERAL NOTES

1. THE RISER CONDUIT TO THE ROOF IS WITH A RE-ENTER-ABLE WEATHER HEAD AND IS PLANNED FOR FUTURE CONNECTIVITY, INCLUDING FIRST RESPONDER RADIO (ERRCS) AND DAS.
2. PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER MCFARLAND POLICE DEPARTMENT-IT, CODE, AND AHJ.

NOTES

1. PROVIDE WEATHER-RESISTANT, TAMPER-PROOF DOOR CONTACT ON ROOF HATCH TO MONITOR OPEN/CLOSED STATUS. ROUTE CABLING IN CONCEALED CONDUIT TO THE ACCESS CONTROL PANEL FOR STATUS MONITORING AND EVENT LOGGING. INTEGRATE WITH ACCESS CONTROL SYSTEM TO TRIGGER ALERTS AND MAINTAIN SYSTEM INTEGRITY. SECURITY CONTRACTOR SHALL FIELD VERIFY AND COORDINATE EXACT LOCATION OF THE ROOF HATCH PRIOR TO INSTALLATION.
2. PROVIDE (2) 2\"/>

BID ALTERNATIVE A  
(DEDUCTIBLE ALTERNATE)  
REMOVE SCOPE OF WORK IN THIS  
AREA FOR BID ALTERNATE A



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CHECKED BY K Von Der Linden  
DATE 10/29/2025

TITLE

ROOF TELECOM  
PLAN

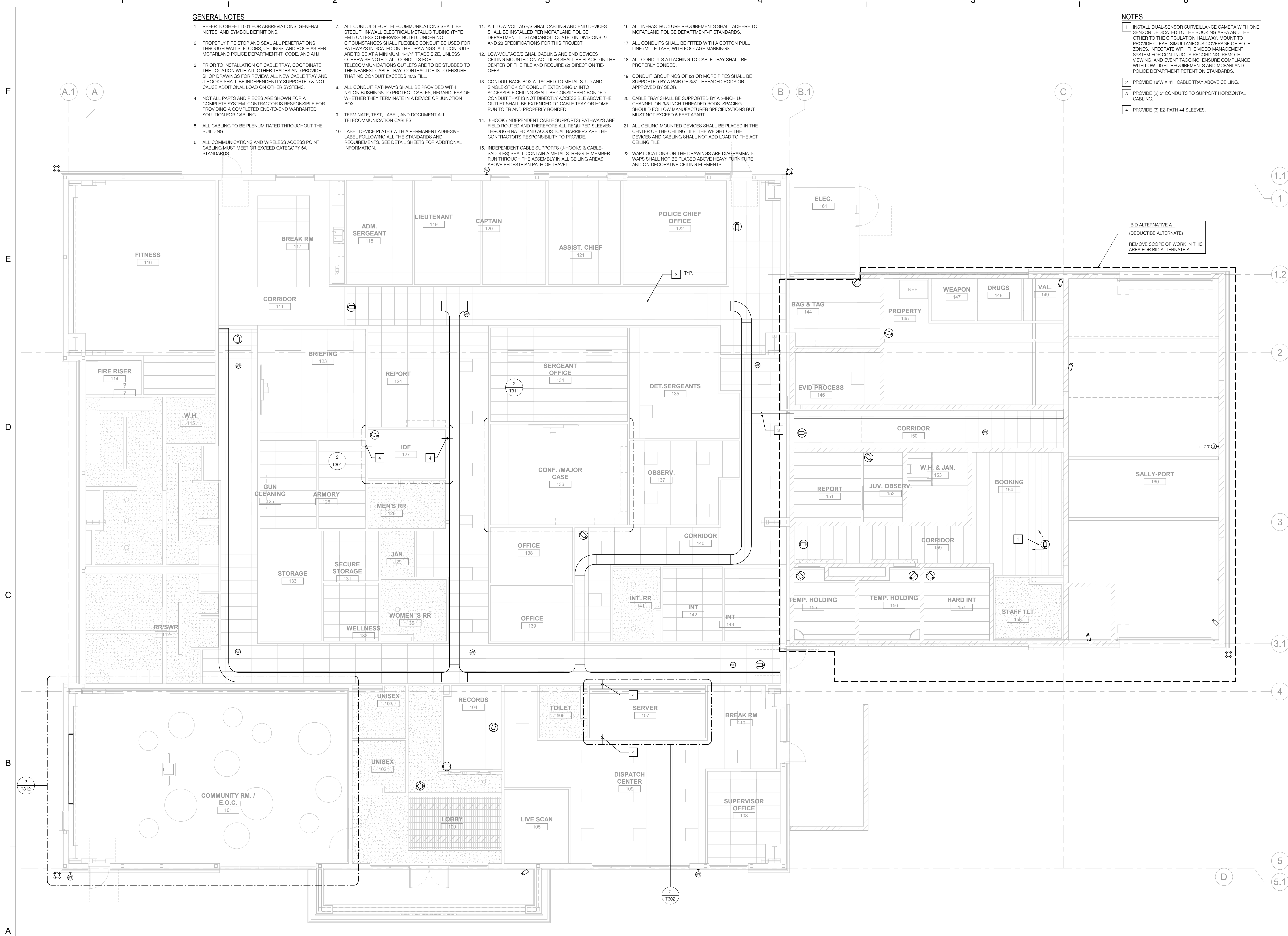
PROJECT NO. 50184767

T202

SHEET NO.  
P2S No. J25-0014



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### GENERAL NOTES

- REFER TO SHEET T001 FOR ABBREVIATIONS, GENERAL NOTES, AND SYMBOL DEFINITIONS.
- PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER MCFARLAND POLICE DEPARTMENT-IT, CODE, AND AHJ.
- PRIOR TO INSTALLATION OF CABLE TRAY, COORDINATE THE LOCATION WITH ALL OTHER TRADES AND PROVIDE SHOP DRAWINGS FOR REVIEW. ALL NEW CABLE TRAY AND J-HOOKS SHALL BE INDEPENDENTLY SUPPORTED & NOT CAUSE ADDITIONAL LOAD ON OTHER SYSTEMS.
- NOT ALL PARTS AND PIECES ARE SHOWN FOR A COMPLETE SYSTEM. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETED END-TO-END WARRANTED SOLUTION FOR CABLEING.
- ALL CABLEING TO BE PLENUM RATED THROUGHOUT THE BUILDING.
- ALL COMMUNICATIONS AND WIRELESS ACCESS POINT CABLEING MUST MEET OR EXCEED CATEGORY 6A STANDARDS.
- ALL CONDUITS FOR TELECOMMUNICATIONS SHALL BE STEEL THIN-WALL ELECTRICAL METALLIC TUBING (TYPE EMT) UNLESS OTHERWISE NOTED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE CONDUIT BE USED FOR PATHWAYS INDICATED ON THE DRAWINGS. ALL CONDUITS ARE TO BE AT A MINIMUM, 1-1/4" TRADE SIZE, UNLESS OTHERWISE NOTED. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS ARE TO BE STUBBED TO THE NEAREST CABLE TRAY. CONTRACTOR IS TO ENSURE THAT NO CONDUIT EXCEEDS 40% FILL.
- ALL CONDUIT PATHWAYS SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLES, REGARDLESS OF WHETHER THEY TERMINATE IN A DEVICE OR JUNCTION BOX.
- TERMINATE, TEST, LABEL, AND DOCUMENT ALL TELECOMMUNICATION CABLES.
- LABEL DEVICE PLATES WITH A PERMANENT ADHESIVE LABEL FOLLOWING ALL THE STANDARDS AND REQUIREMENTS. SEE DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- ALL LOW-VOLTAGE/SIGNAL CABLEING AND END DEVICES SHALL BE INSTALLED PER MCFARLAND POLICE DEPARTMENT-IT STANDARDS LOCATED IN DIVISIONS 27 AND 28 SPECIFICATIONS FOR THIS PROJECT.
- LOW-VOLTAGE/SIGNAL CABLEING AND END DEVICES CEILING MOUNTED ON ACT TILES SHALL BE PLACED IN THE CENTER OF THE TILE AND REQUIRE (2) DIRECTION TIE-OFFS.
- CONDUIT BACK-BOX ATTACHED TO METAL STUD AND SINGLE-STICK OF CONDUIT EXTENDING 6" INTO ACCESSIBLE CEILING SHALL BE CONSIDERED BONDED. CONDUIT THAT IS NOT DIRECTLY ACCESSIBLE ABOVE THE OUTLET SHALL BE EXTENDED TO CABLE TRAY OR HOME-RUN TO TR AND PROPERLY BONDED.
- J-HOOK (INDEPENDENT CABLE SUPPORTS) PATHWAYS ARE FIELD ROUTED AND THEREFORE ALL REQUIRED SLEEVES THROUGH RATED AND ACOUSTICAL BARRIERS ARE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE.
- INDEPENDENT CABLE SUPPORTS (J-HOOKS & CABLE-SADDLES) SHALL CONTAIN A METAL STRENGTH MEMBER RUN THROUGH THE ASSEMBLY IN ALL CEILING AREAS ABOVE PEDESTRIAN PATH OF TRAVEL.

- ALL INFRASTRUCTURE REQUIREMENTS SHALL ADHERE TO MCFARLAND POLICE DEPARTMENT-IT STANDARDS.
- ALL CONDUITS SHALL BE FITTED WITH A COTTON PULL LINE (MULE-TAPE) WITH FOOTAGE MARKINGS.
- ALL CONDUITS ATTACHING TO CABLE TRAY SHALL BE PROPERLY BONDED.
- CONDUIT GROUPINGS OF (2) OR MORE PIPES SHALL BE SUPPORTED BY A PAIR OF 3/8" THREADED RODS OR APPROVED BY SEOR.
- CABLE TRAY SHALL BE SUPPORTED BY A 2-INCH U-CHANNEL ON 3/8-INCH THREADED RODS. SPACING SHOULD FOLLOW MANUFACTURER SPECIFICATIONS BUT MUST NOT EXCEED 5 FEET APART.
- ALL CEILING MOUNTED DEVICES SHALL BE PLACED IN THE CENTER OF THE CEILING TILE. THE WEIGHT OF THE DEVICES AND CABLEING SHALL NOT ADD LOAD TO THE ACT CEILING TILE.
- WAP LOCATIONS ON THE DRAWINGS ARE DIAGRAMMATIC. WAPS SHALL NOT BE PLACED ABOVE HEAVY FURNITURE AND ON DECORATIVE CEILING ELEMENTS.

### NOTES

- INSTALL DUAL-SENSOR SURVEILLANCE CAMERA WITH ONE SENSOR DEDICATED TO THE BOOKING AREA AND THE OTHER TO THE CIRCULATION HALLWAY. MOUNT TO PROVIDE CLEAR, SIMULTANEOUS COVERAGE OF BOTH ZONES. INTEGRATE WITH THE VIDEO MANAGEMENT SYSTEM FOR CONTINUOUS RECORDING, REMOTE VIEWING, AND EVENT TAGGING. ENSURE COMPLIANCE WITH LOW-LIGHT REQUIREMENTS AND MCFARLAND POLICE DEPARTMENT RETENTION STANDARDS.
- PROVIDE 18"W X 4"H CABLE TRAY ABOVE CEILING.
- PROVIDE (2) 3" CONDUITS TO SUPPORT HORIZONTAL CABLEING.
- PROVIDE (3) EZ-PATH 44 SLEEVES.



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CHECKED BY K Von Der Linden  
DATE 10/29/2025

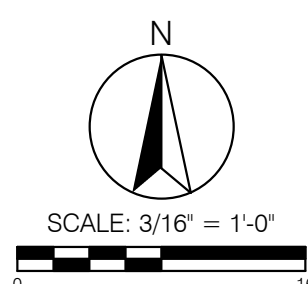
TITLE

**FIRST FLOOR  
REFLECTED  
CEILING PLAN**

PROJECT NO. 50184767

**T211**

SHEET NO.  
P2S No. J25-0014





## KEY PLAN

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APPROVED BY	<u>L Henderson</u>
CHECKED BY	<u>K Von Der Linden</u>
DATE	<u>10/29/2025</u>

**TITLE**

ENLARGED IDF  
ROOM PLAN

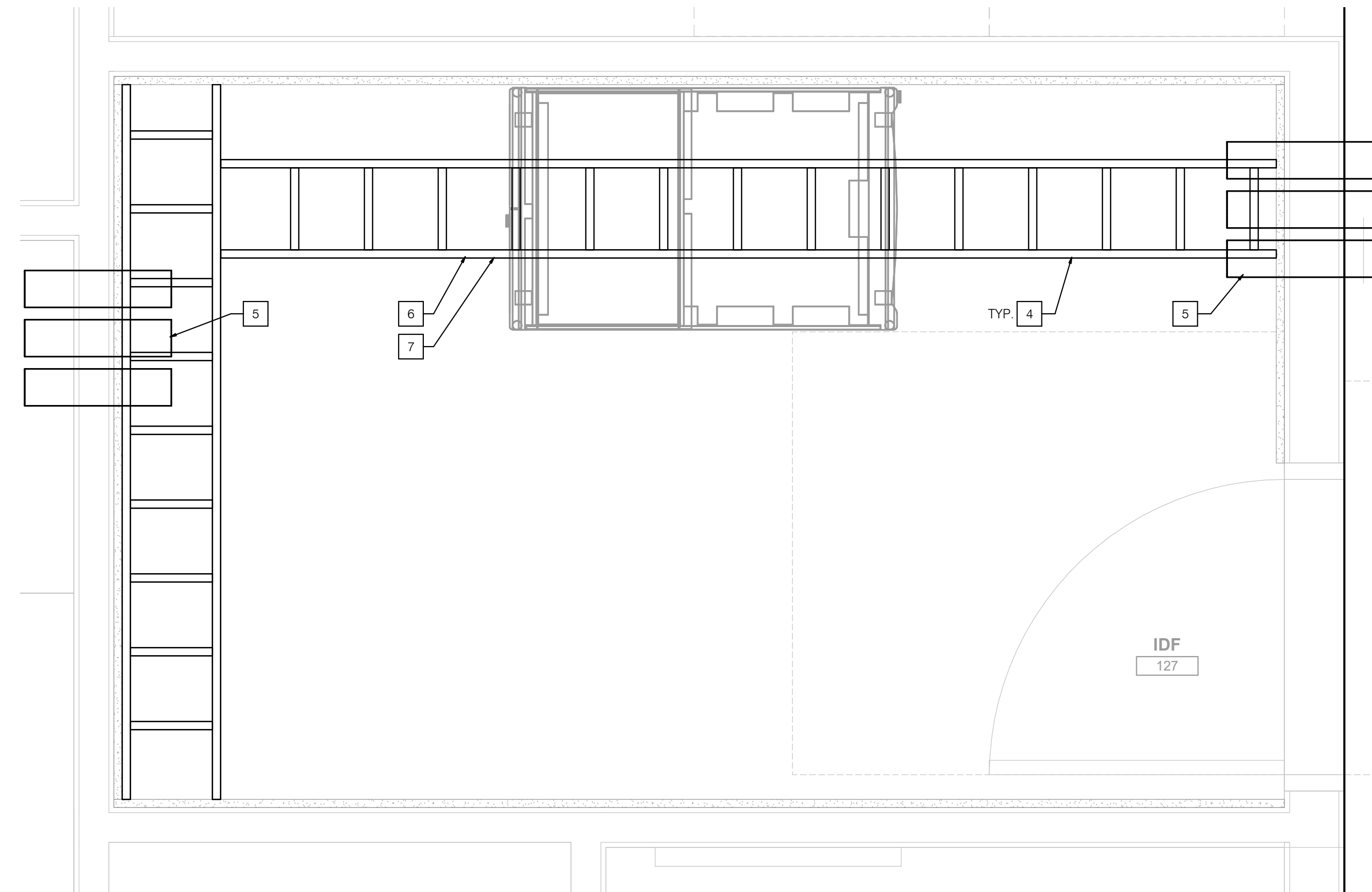
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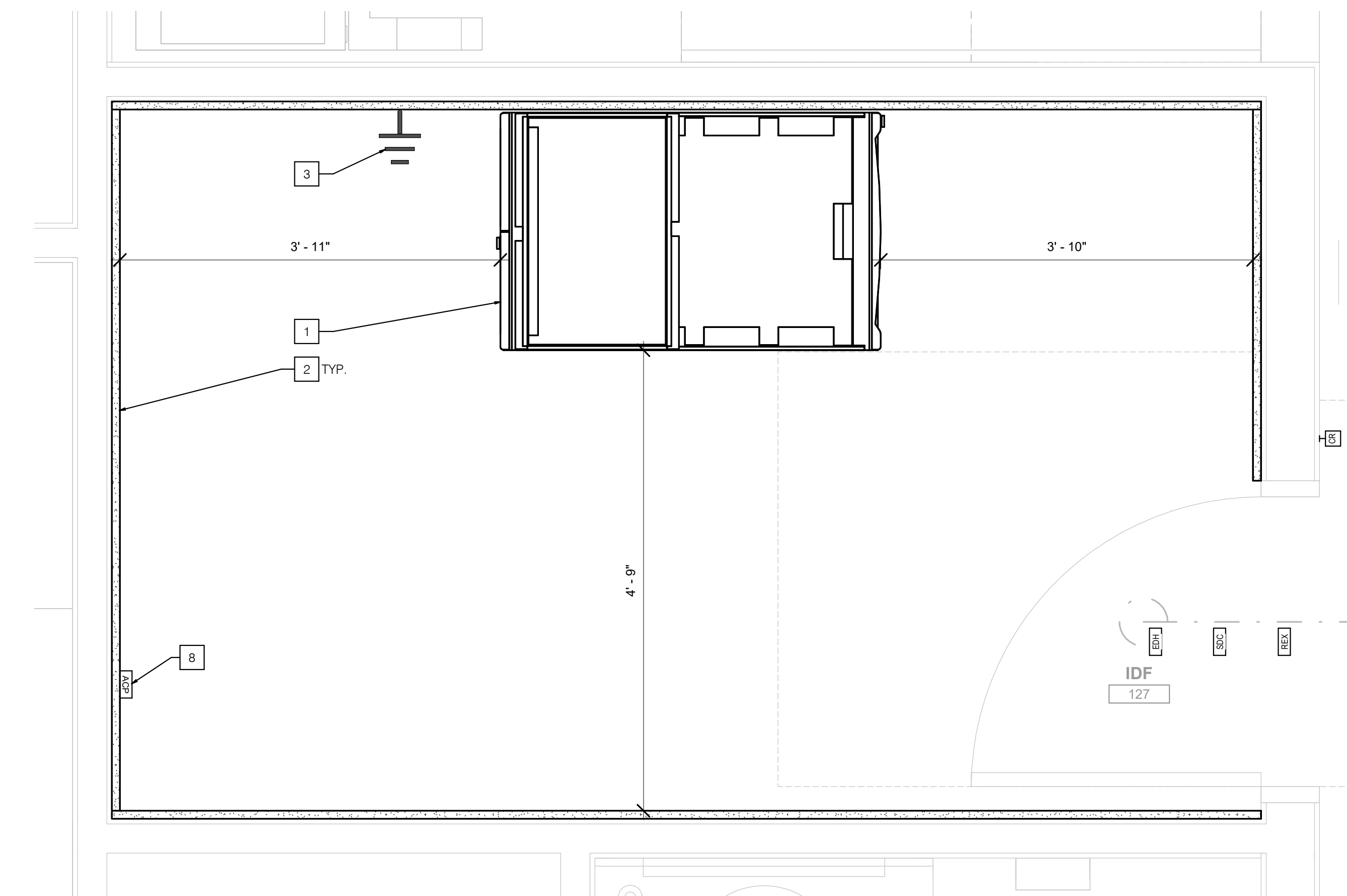
SHEET NO. \_\_\_\_\_  
P2S No. J25-0014

1. REFER TO SHEET T001 FOR ABBREVIATIONS, GENERAL NOTES, AND SYMBOL DEFINITIONS.
2. PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER MCFARLAND POLICE DEPARTMENT -IT, CODE, AND AHJ.
3. RECOMMEND ALL OSP FACTORY SWEEPS, CONSIDER FIBERGLASS.
4. CONDUITS SHALL NOT EXCEED MORE THAN (2) 90 DEGREE BENDS. CONSULT WITH MCFARLAND POLICE DEPARTMENT-IT TELECOMMUNICATIONS ENGINEER FOR EXACT LOCATION/TERMINATION POINTS.
5. CONTRACTOR SHALL PROVIDE ALL BUSHINGS AND PULL ROPE FOR BOTH USED AND NON-USED CONDUITS.
6. FINAL COMMUNICATIONS CONTRACTOR SPECIFIC SCOPE OF WORK AND MATERIALS ARE DETAILED IN DIVISION 27 DETAILS AND SHALL BE SUBJECT TO ANY DISCREPANCIES SHALL BE COMMUNICATED TO MCFARLAND POLICE DEPARTMENT-IT INFRASTRUCTURE ENGINEER FOR CLARIFICATION.
7. ALL CONDUITS SUPPORTING OPTICAL FIBER CABLE SHALL BE FITTED WITH (3) 3-CELL FABRIC INNER-DUCT IN EACH.
8. ALL CONDUITS ENTERING THE BUILDING SHALL BE FITTED WITH A RE-ENTERABLE DUCT PLUG (JACK-PLUG).
9. TO PREVENT SHEAR, ALL CONDUIT ENTERING A BUILDING SHALL TRANSITION FROM PVC TO RMC FROM A MINIMUM DISTANCE OF (1) STICK OF CONDUIT PRIOR TO THE (FOOTER) EXTERIOR OF THE FOUNDATION. THESE CONDUITS SHALL SLOPE DOWNWARD AWAY FROM THE BUILDING TO REDUCE THE POTENTIAL OF WATER ENTERING THE BUILDING.

- 1 PROVIDE EATON TRIPP LITE SERIES SMARTRACK 42U STANDARD-DEPTH RACK ENCLOSURE, CABINET WITH DOORS AND SIDE PANELS (MFG # SR42UB).
- 2 PROVIDE FIRE-RATED 3/4" PLYWOOD THROUGHOUT (2) COATS OF 100% SOLID PIGMENT PAINT AND PRIMER SHALL BE APPLIED TO PLYWOOD.
- 3 PROVIDE (TMBG) TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.
- 4 PROVIDE 12W X 4" LED TRACK RACK.
- 5 PROVIDE (3) EZ-PATH 44 SLEEVES.
- 6 PROVIDE (1) 120V/20A QUAD RECEPTACLE ATTACHED TO OVERHEAD CABLE RUNWAY.
- 7 PROVIDE (1) 16-30R 208V/30A RECEPTACLE ATTACHED TO OVERHEAD CABLE RUNWAY.
- 8 PROVIDE AND INSTALL ACCESS CONTROL PANEL AT INDICATED LOCATION, MAINTAIN WORKING CLEARANCES IN ACCORDANCE WITH NEC 110.26(A), ENSURING A MINIMUM OF 36 INCHES OF CLEAR DEPTH IN FRONT OF THE EQUIPMENT AND A MINIMUM OF 36 INCHES TO THE WIDTH OF THE EQUIPMENT OR 30 INCHES, WHICHEVER IS GREATER. COORDINATE WITH ELECTRICAL FOR REQUIRED 120V, 20A, AMPERLIT WITH PROPER GROUNDING COORDINATE WITH TELECOM FOR CATEGORY 6A DATA CABLES AND TERMINATION. INSTALLATION SHALL CONFORM TO ALL APPLICABLE CODES AND PROJECT SPECIFICATIONS.



2 ENLARGED IDF 127 RCP LADDER RACK PLAN  
SCALE: 1" = 1'-0"



1 ENLARGED IDF 127 EQUIPMENT PLAN  
SCALE: 1" = 1'-0"



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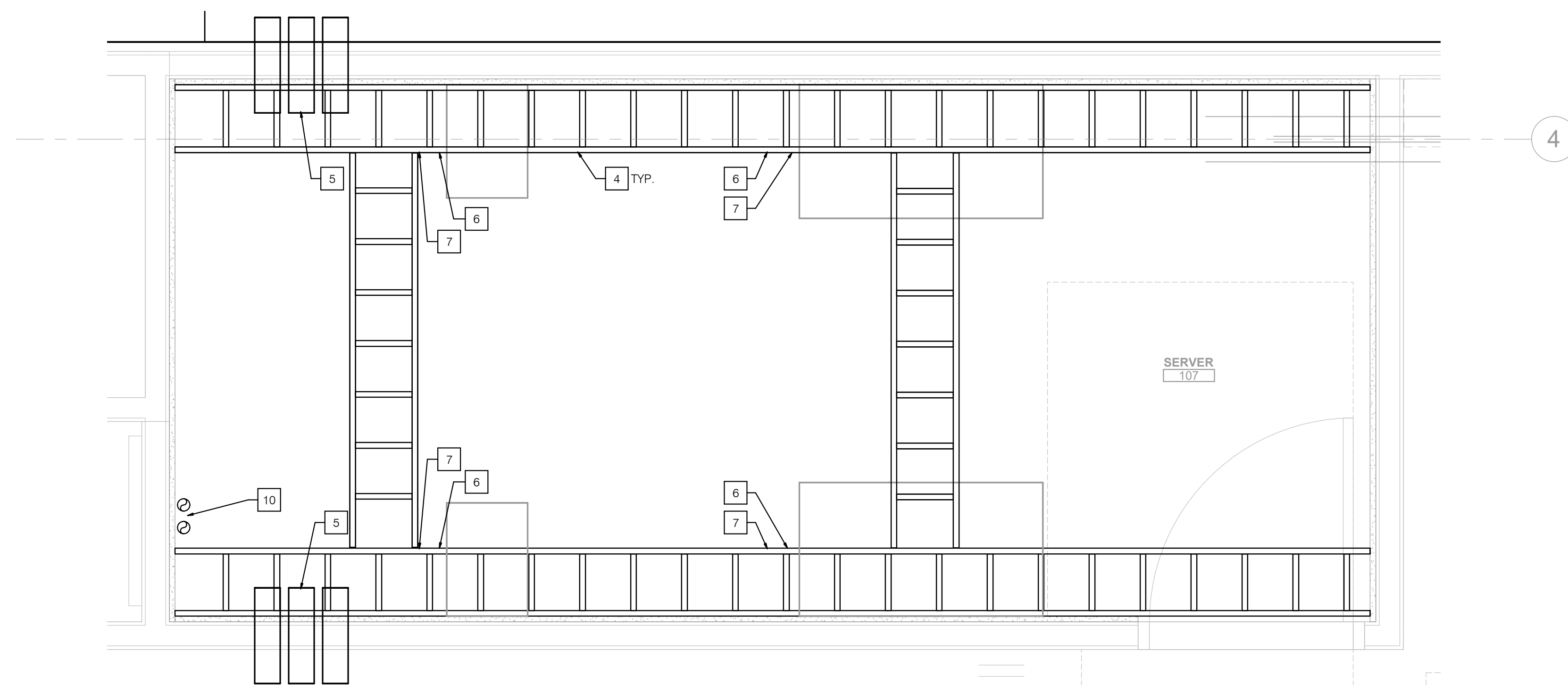
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# T302

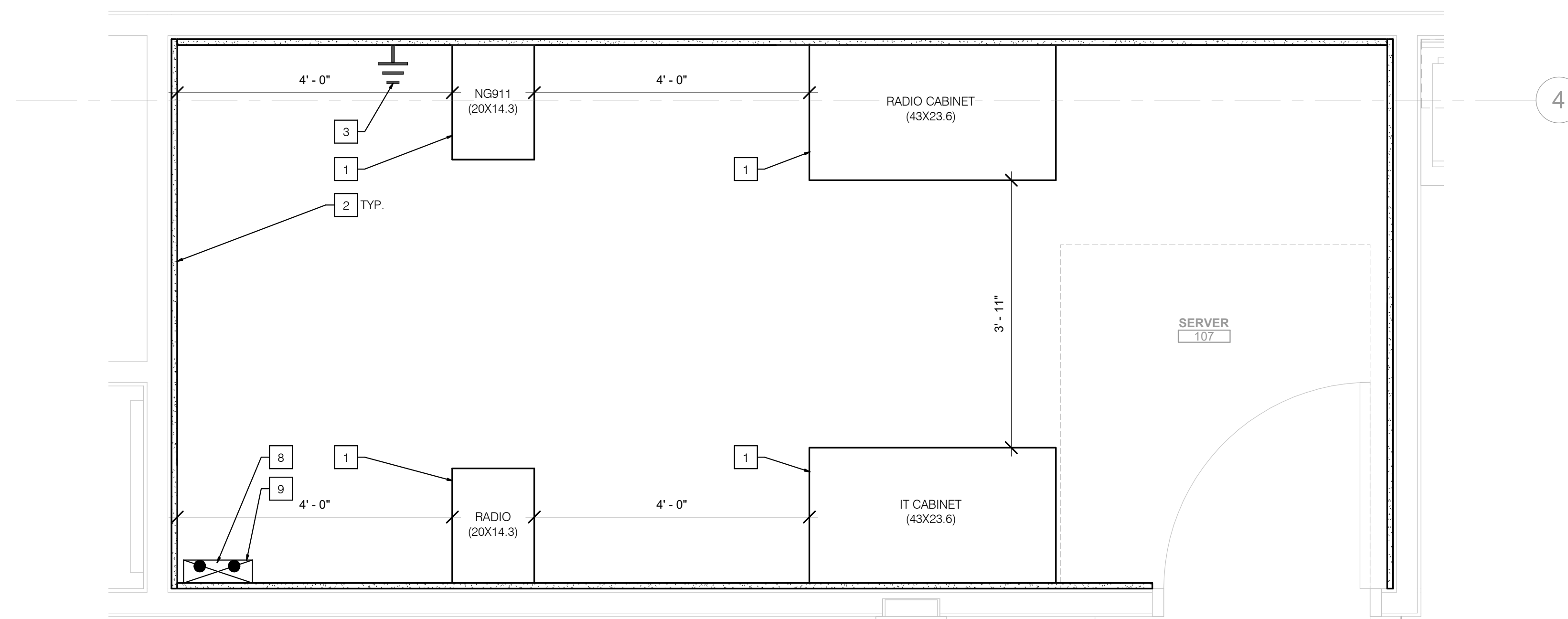
SHEET NO. \_\_\_\_\_  
P2S No. J25-0014

1. REFER TO SHEET T001 FOR ABBREVIATIONS, GENERAL NOTES, AND SYMBOL. DEFINITIONS.
2. PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILING, AND ROOF AS PER MCFARLAND POLICE DEPARTMENT-IT, CODE, AND AHJ.
3. RECOMMEND ALL OSP FACTORY SPECIES, CONSIDER FIBERGLASS.
- CONDUCTS SHALL NOT EXCEED MORE THAN (2) 90 DEGREE BENDS. CONDUIT MUST BE 1/2" MIN. POLYESTER REINFORCED TELECOMMUNICATIONS ENGINEER FOR EXACT LOCATION/TERMINATION POINTS.
4. CONTRACTOR SHALL PROVIDE ALL BUSHINGS AND PULL ROPE FOR BOTH USED AND NON-USED CONDUITS.
5. FINAL COMMUNICATIONS CONTRACTOR SPECIFIC SCOPE OF WORK AND MATERIALS ARE DETAILED IN DIVISION 27 SPECIFICATIONS AND SPECIFICATIONS. ANY DISCREPANCIES SHALL BE COMMUNICATED TO MCFARLAND POLICE DEPARTMENT-IT INFRASTRUCTURE ENGINEER FOR CLARIFICATION.
6. ALL CONDUITS SUPPORTING OPTICAL FIBER CABLE SHALL BE FITTED WITH (2) 3" CELLULAR INNER-DUCT IN EACH.
7. ALL CONDUITS ENTERING THE BUILDING SHALL BE FITTED WITH A RE-ENTRANCE DUCT PLUG (KAC-PLUG).
8. TO PREVENT SHEAR, ALL CONDUIT ENTERING A BUILDING SHALL TRANSITION FROM PVC TO RWC FROM A MINIMUM DISTANCE OF (1) STICK OF CONDUIT PRIOR TO THE (FOOTER) EXTERIOR OF THE FOUNDATION. THESE CONDUITS SHALL SLOPE DOWNWARD AWAY FROM THE BUILDING TO REDUCE THE POTENTIAL OF WATER ENTERING THE BUILDING.

- 1 PROVIDE EATON TRIP LITE SERIES SMARTRACK 42U STANDARD-DEPTH RACK ENCLOSURE CABINET WITH DOORS AND SIDE PANELS (MFG #3R42UB).
- 2 PROVIDE FIRE-RATED 3/4" PLYWOOD THROUGHOUT ROOM. (2) COATS OF FIRE-RETARDANT PAINT AND PRIMER SHALL BE APPLIED TO PLYWOOD.
- 3 PROVIDE (TMSB) TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.
- 4 PROVIDE 12"W X 1 1/2"H LADDER RACK.
- 5 PROVIDE (3) EZ-PATH 44 SLEEVES.
- 6 PROVIDE (1) 120V/20A QW RECEPTACLE ATTACHED TO OVERHEAD CABLE RUNWAY.
- 7 PROVIDE (1) 16-30R 208V/30A RECEPTACLE ATTACHED TO OVERHEAD CABLE RUNWAY.
- 8 PROVIDE (2) 4" UNDERGROUND ENTRANCE CONDUITS TO SERVICE PROVIDER CONNECTION POINT/PULLBOX.
- 9 PROVIDE 12"W X 1 1/2"H LADDER RACK MOUNTED VERTICALLY ON WALL.
- 10 PROVIDE (2) 4" RISER CONDUITS TO ROOF WITH WEATHERHEAD ASSEMBLY.



2 ENLARGED SERVER 107 RCP LADDER RACK PLAN



1 ENLARGED SERVER 107 EQUIPMENT PLAN  
SCALE: 3/4" = 1'-0"



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## KEY PLAN

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APPROVED BY L Henderson

CHECKED BY K Von Der Linden

DATE 10/29/2025

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FILE
FILE 1 - 1990-1991

ENLARGED PLANS

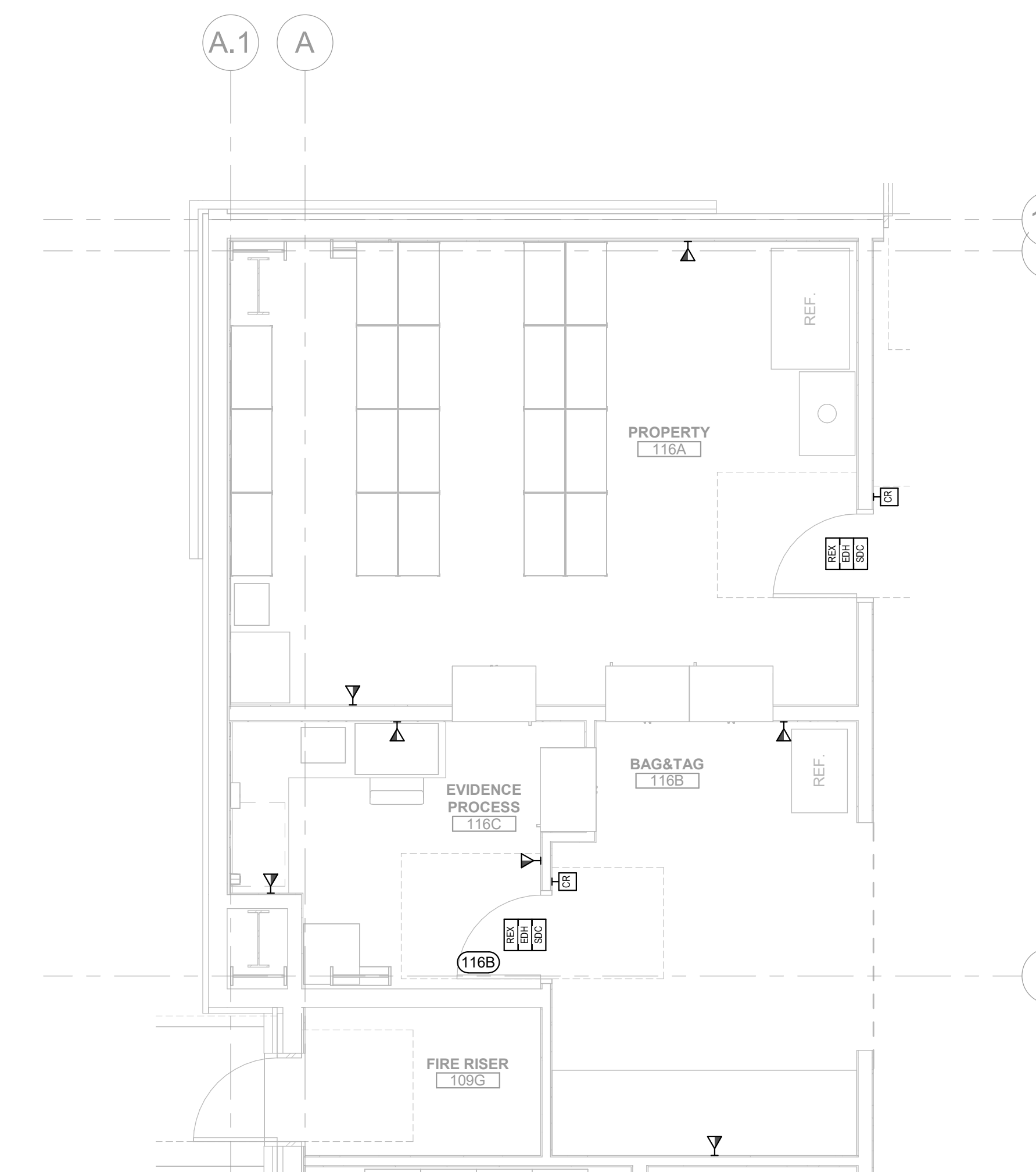
PROJECT NO.	50184767
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SHEET NO.

P2S No. J25-0014

**2 FIRST FLOOR REFLECTED CEILING PLAN - BID ALTERNATE**  
SCALE: 1/4" = 1'-0"



**1 FIRST FLOOR TELECOM - BID ALTERNATE**  
SCALE: 1/4" = 1'-0"







SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY M Dominguez  
APPROVED BY L Henderson  
CHECKED BY K Von Der Linden  
DATE 10/29/2025

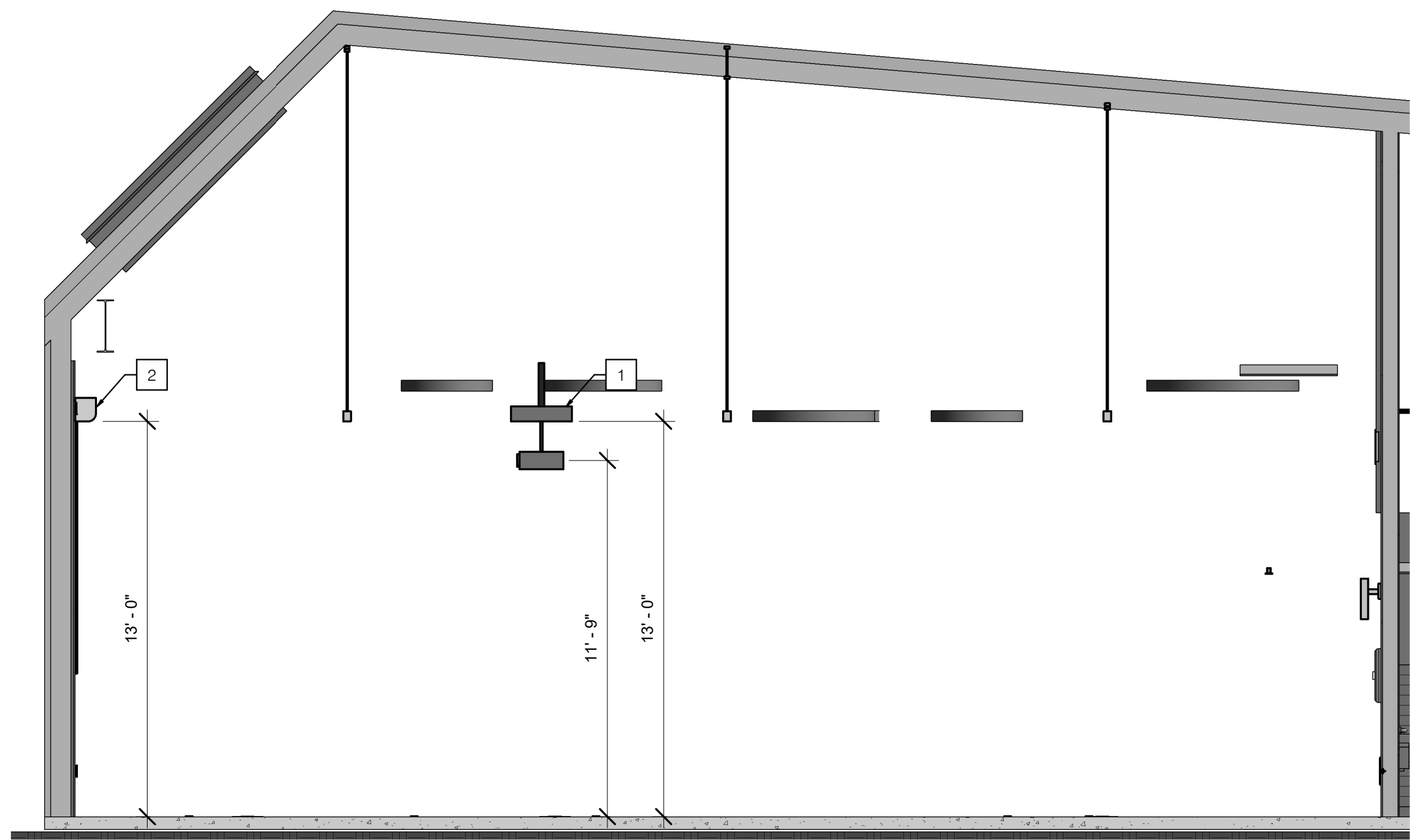
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ENLARGED AUDIO  
VISUAL PLAN

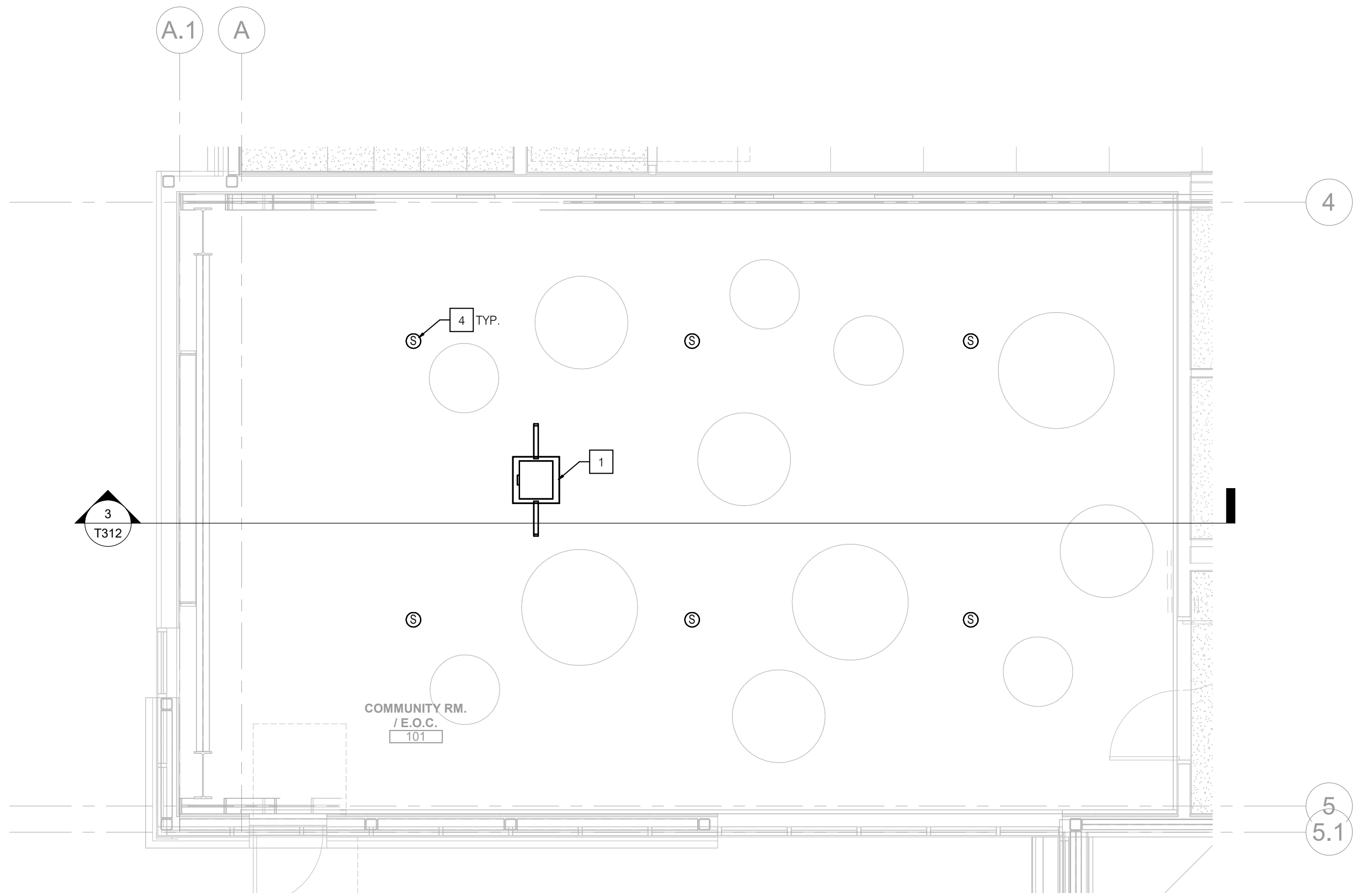
PROJECT NO. 50184767

T312

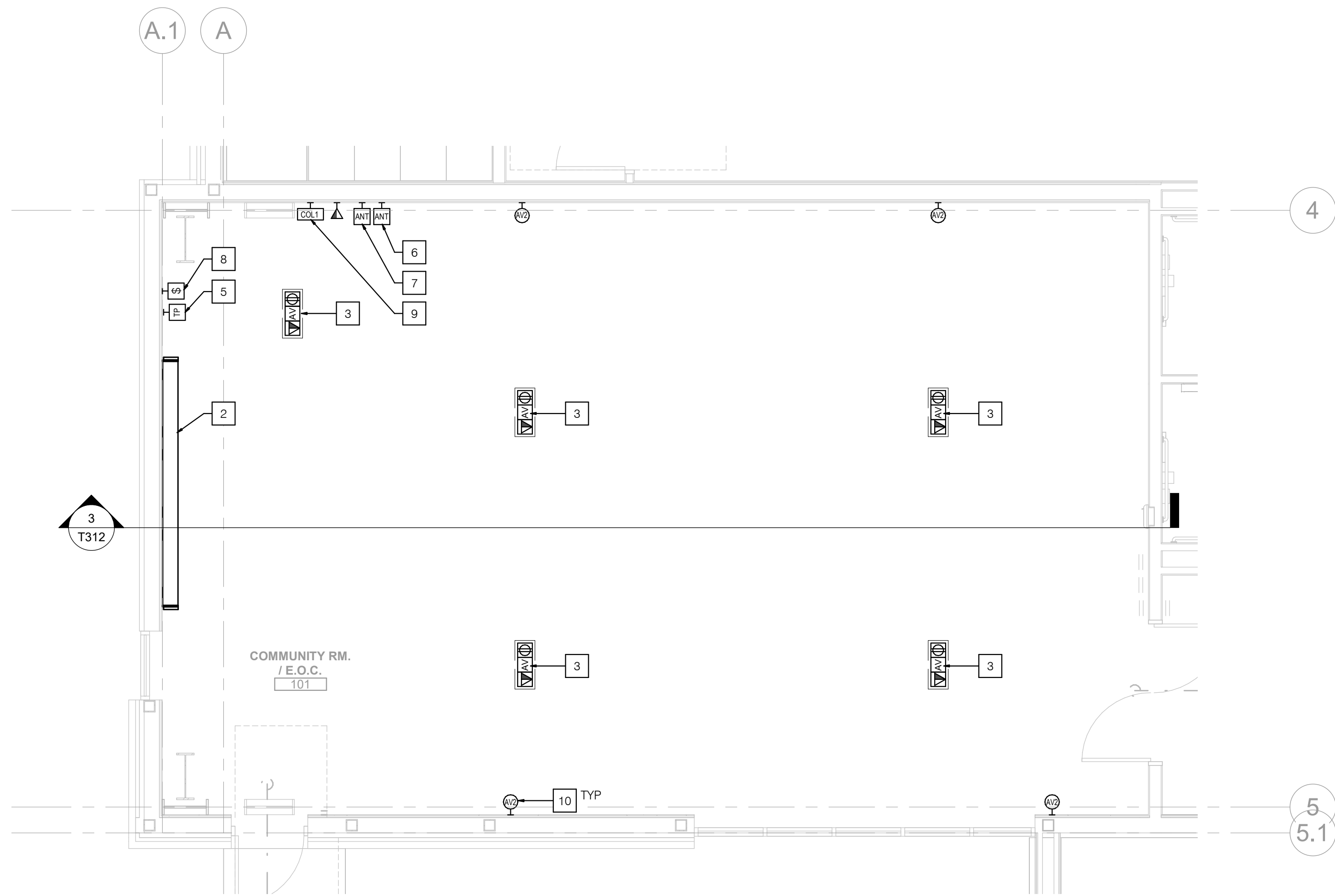
SHEET NO.  
P2S No. J25-0014



3 COMMUNITY RM. E.O.C. 101 SECTION  
SCALE: 1/4" = 1'-0"



2 ENLARGED COMMUNITY RM. E.O.C. 101 AV RCP PLAN  
SCALE: 1/4" = 1'-0"



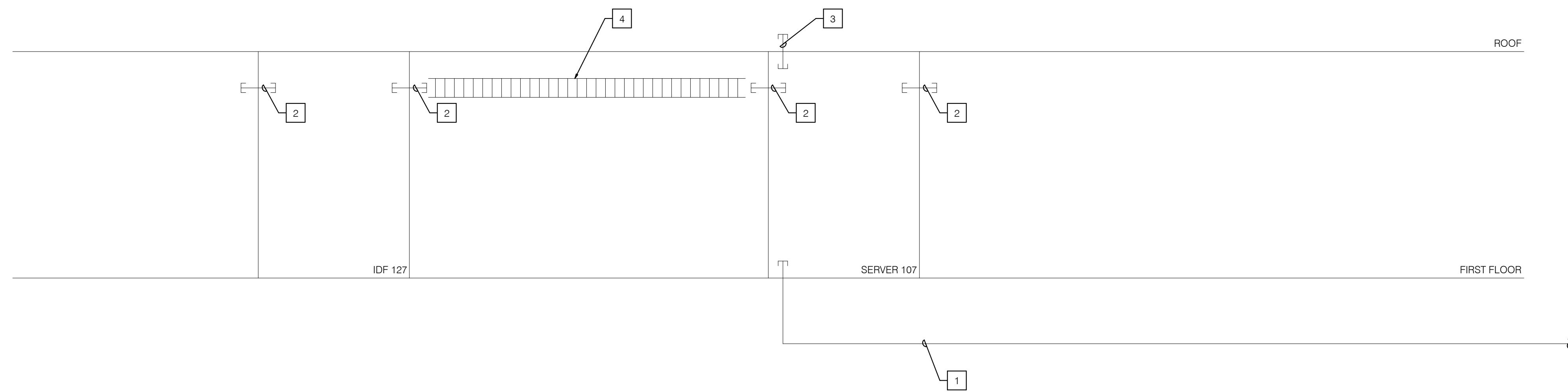
1 ENLARGED COMMUNITY RM. E.O.C. 101 AV FLOOR PLAN  
SCALE: 1/4" = 1'-0"



1. REFER TO SHEET T001 FOR ABBREVIATIONS, GENERAL NOTES, AND SYMBOL DEFINITIONS.
2. PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER MCFARLAND POLICE DEPARTMENT-I, CODE, AND AHJ.
3. EXTERIOR EQUIPMENT AND HARDWARE SHALL BE WEATHER-RESISTANT.
4. PROVIDE TRAFFIC RATED METALLIC COVERS FOR VAULTS AND PULLBOXES.
5. FIELD COORDINATE WITH RESPECTIVE TRADES AND WITH GENERAL CONTRACTOR TO EXPEDITE THE UTILITY TRENCH WORK. INCLUDE PLAN FOR SCOPE LOCATED AT PARKING LOT, SIDEWAYS, AND/OR ACCESSIBLE PATHS OF TRAVEL. PROVIDE TEMPORARY ELECTRICAL SERVICES AND PROVISIONS TO MAINTAIN THE GENERAL CAMPUS OPERATIONS, INCLUDING EXTERIOR STREET LIGHTING OF 1' FOOT CANAL MINIMUM IN THIS PLAN.
6. AVOID LOCATING CIRCUITS AND HAND-HOLES THROUGH DRAINAGE AREAS, GUTTERS, AND BASINS.
7. LOCATE HAND-HOLES IN PLANTERS AS MUCH AS POSSIBLE. AVOIDING LAWN AND HARDSCAPE LOCATIONS. POSITION FLUSH AND PARALLEL TO NEIGHBORING EDGES.
8. FIELD VERIFY EQUIPMENT MOUNTING LOCATIONS WITH THE CLIENT PRIOR TO INSTALLATION.
9. PROVIDE GROUNDING/BONDING TO HARDWARE IN UNDERGROUND PULLBOXES AND VAULTS. REFER TO LID STANDARDS.
10. REFER TO DETAILS 4-6 ON SHEET T606.
11. PROVIDE WATER PROTECTIVE SEALING AND/OR DRAINAGE AT UNDERGROUND RACEWAY OPENINGS AFFECTED IN SCOPE. PARTICULAR ATTENTION TO RACEWAYS VARYING IN ELEVATION.
12. RECOMMEND ALL OSP FACTORY SWEEPS. CONSIDER FIBERGLASS.
13. CONDUITS SHALL NOT EXCEED MORE THAN (2) 90 DEGREE BENDS. CONSULT MCFARLAND POLICE DEPARTMENT-IT TELECOMMUNICATIONS ENGINEER FOR EXACT LOCATION/TERMINATION POINTS.
14. CONTRACTOR SHALL PROVIDE ALL BUSHINGS AND PULL ROPE FOR BOTH USED AND NON-USED CONDUITS
15. FINAL COMMUNICATIONS CONTRACTOR SPECIFIC SCOPE OF WORK AND MATERIALS ARE DETAILED IN DIVISION 27 DRAWINGS AND SPECIFICATIONS. ANY DISCREPANCIES SHALL BE COMMUNICATED TO MCFARLAND POLICE DEPARTMENT-IT INFRASTRUCTURE ENGINEER FOR CLARIFICATION.
16. ALL CONDUITS SUPPORTING OPTICAL FIBER CABLE SHALL BE FITTED WITH (2) 3 CELL FABRIC INNER-DUCT IN EACH.
17. ALL CONDUITS ENTERING THE BUILDING SHALL BE FITTED WITH A RE-ENTERABLE DUCT PLUG (JACK-PLUG).
18. TO PREVENT HEAT, ALL CONDUIT ENTERING A BUILDING SHALL TRANSITION FROM PVC TO RMC FROM A MINIMUM DISTANCE OF (1) STICK OF CONDUIT PRIOR TO THE (FOOTER) EXTERIOR OF THE FOUNDATION. THESE CONDUITS SHALL SLOPE DOWNWARD AWAY FROM THE BUILDING TO REDUCE THE POTENTIAL OF WATER ENTERING THE BUILDING.

- 1 NEW (2) 4" CONDUITS WITH TRACE LINE.
- 2 PROVIDE (3) EZ-PATH 44 SLEEVES.
- 3 PROVIDE (2) 2" RISER CONDUITS TO ROOF WITH WEATHER-HEAD ASSEMBLY.
- 4 PROVIDE 18"W X 4"H CABLE TRAY.
- 5 PROVIDE OS2 12F CT. OPTICAL FIBER CABLE FROM IDF 127 TO SERVER 107.
- 6 PROVIDE 100 PAIR COPPER CABLE FROM IDF 127 TO SERVER 107.
- 7 SERVICE PROVIDER CABLING.

## 2 TELECOM CABLING RISER DIAGRAM



1 TELECOM INFRASTRUCTURE RISER DIAGRAM  
SCALE: NONE



## KEY PLAN

SCALE

[illegible]

DRAWN BY	<u>M Domingo</u>
APPROVED BY	<u>L Henderson</u>
CHECKED BY	<u>K Von Der Linden</u>
DATE	<u>10/29/2025</u>

TITLE
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TELECOM RISER  
DIAGRAMS

PROJECT NO.	50184767
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T501

SHEET NO. \_\_\_\_\_  
P2S No. J25-0014




CITY OF MCFARLAND, CALIFORNIA

CITY OF MCFARLAND POLICE DEPARTMENT

402 Mast Avenue  
McFarland, CA 93250

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## KEY PLAN

SCALE

[illegible]

DRAWN BY	M Domingo
APPROVED BY	L Henderson
CHECKED BY	K Von Der Linden
DATE	10/29/2025
TITLE	

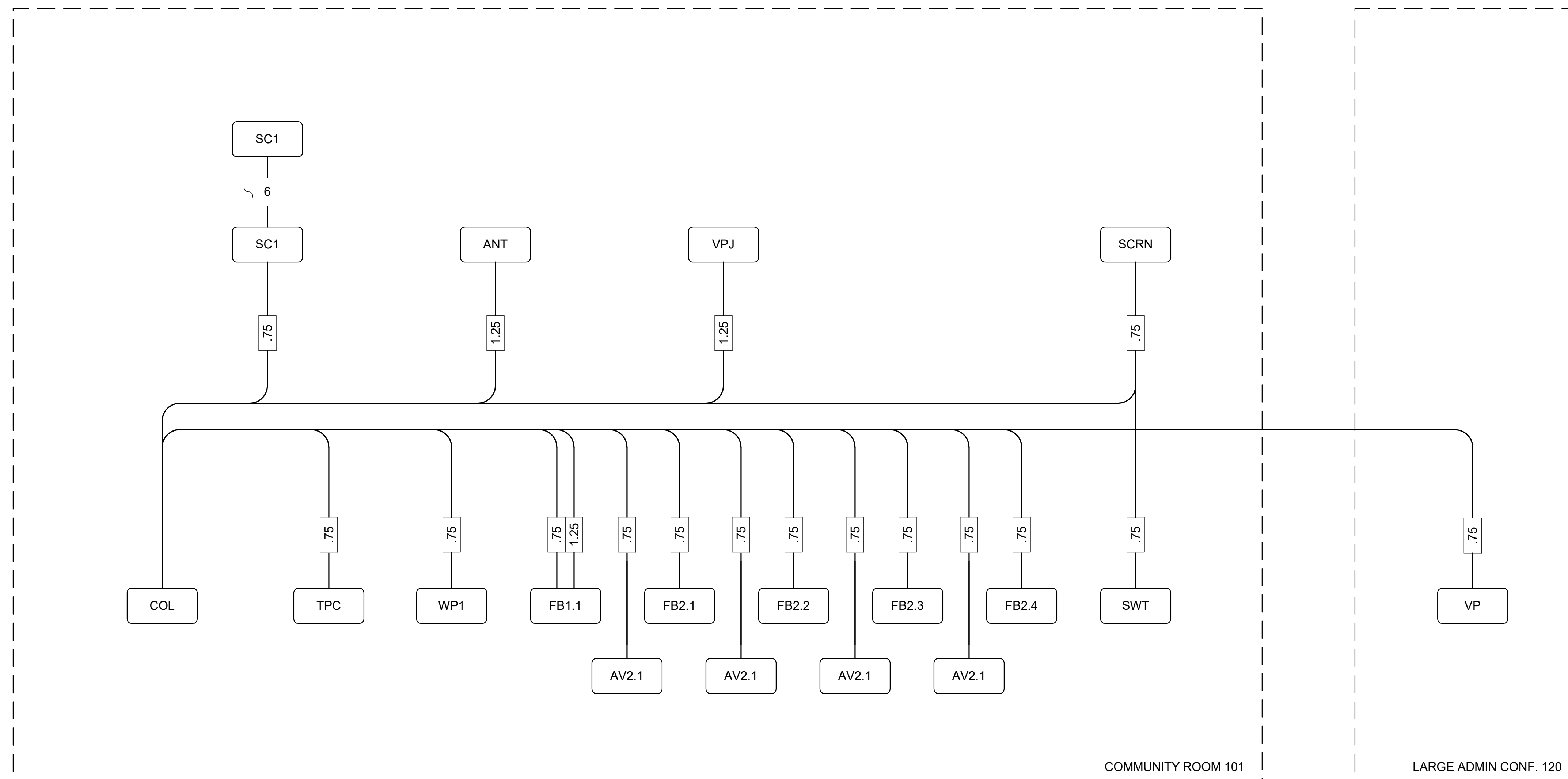
## AV RISER DIAGRAMS

PROJECT NO.	50184767
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T511

SHEET NO. \_\_\_\_\_

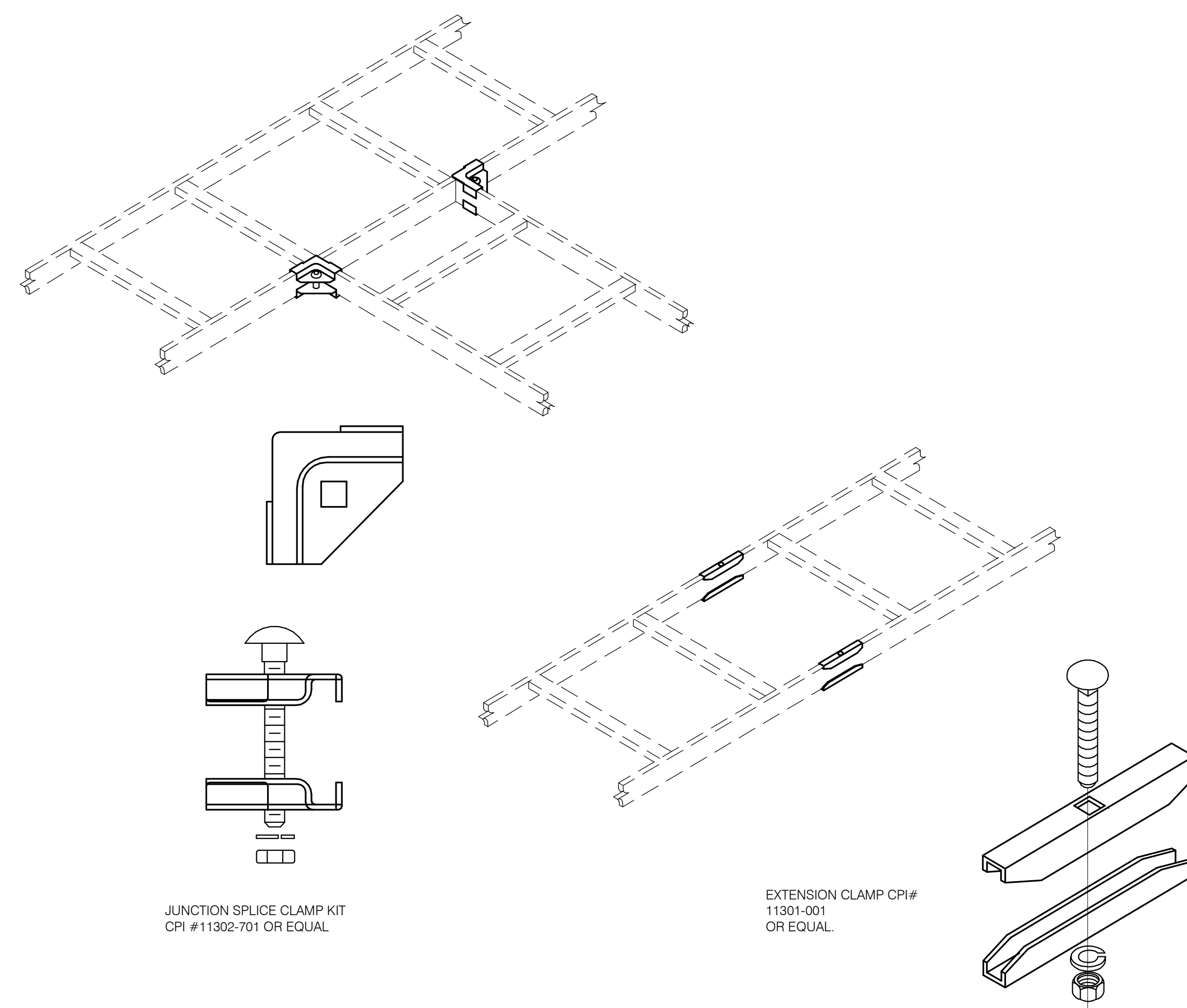
P2S No. J25-0014



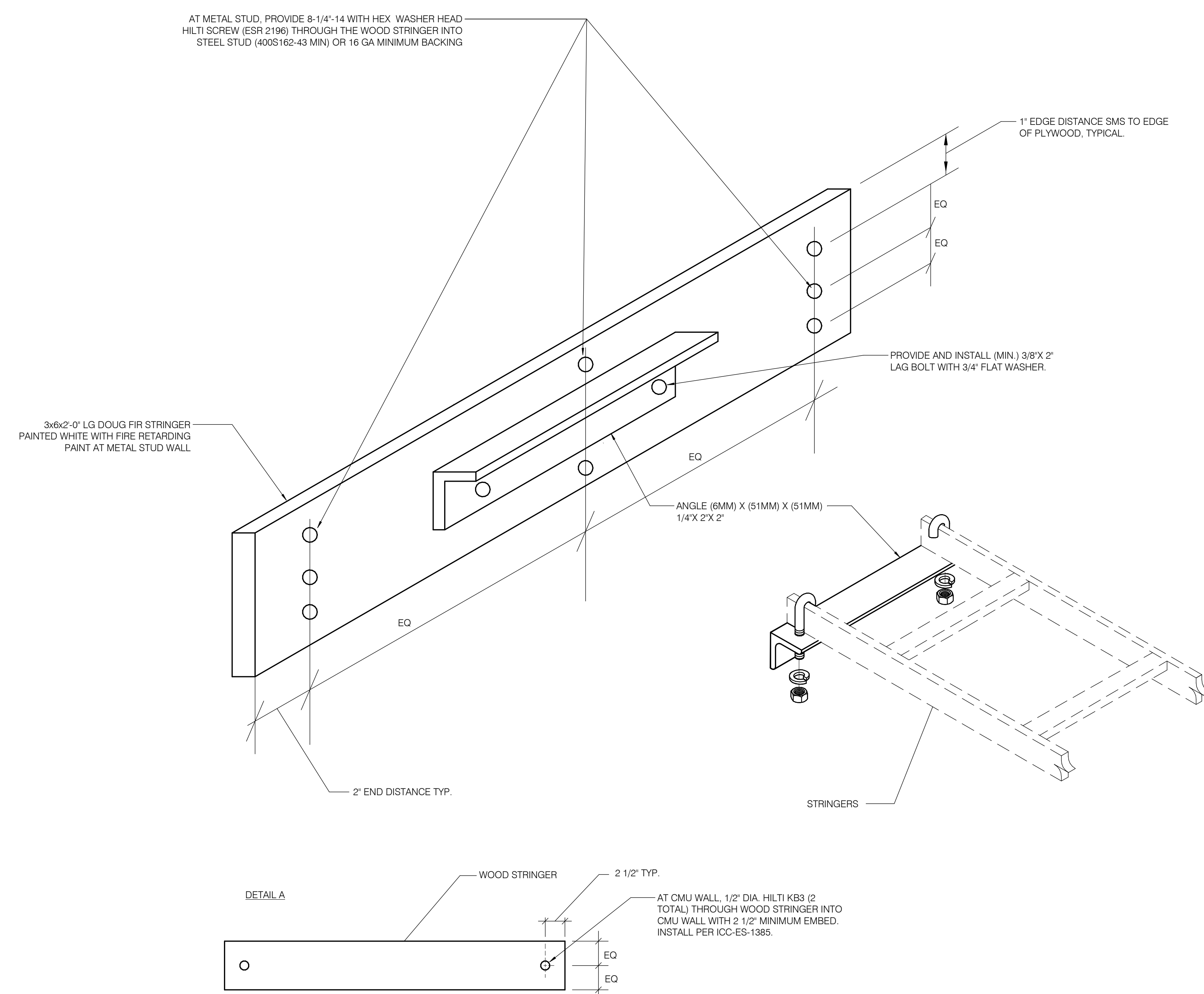






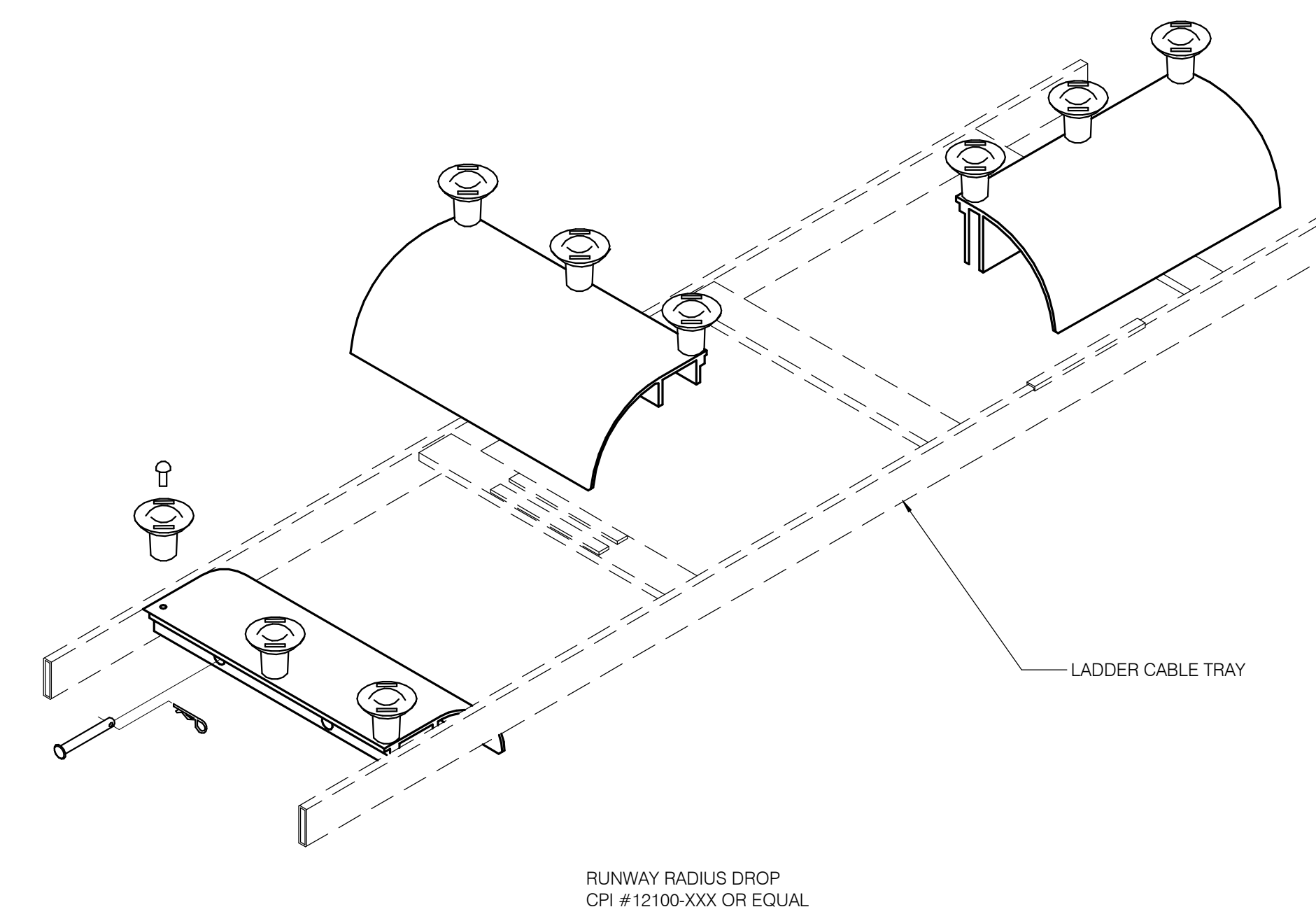


5 TYPICAL RUNWAY SUPPORT (CLAMPS)  
SCALE: NONE

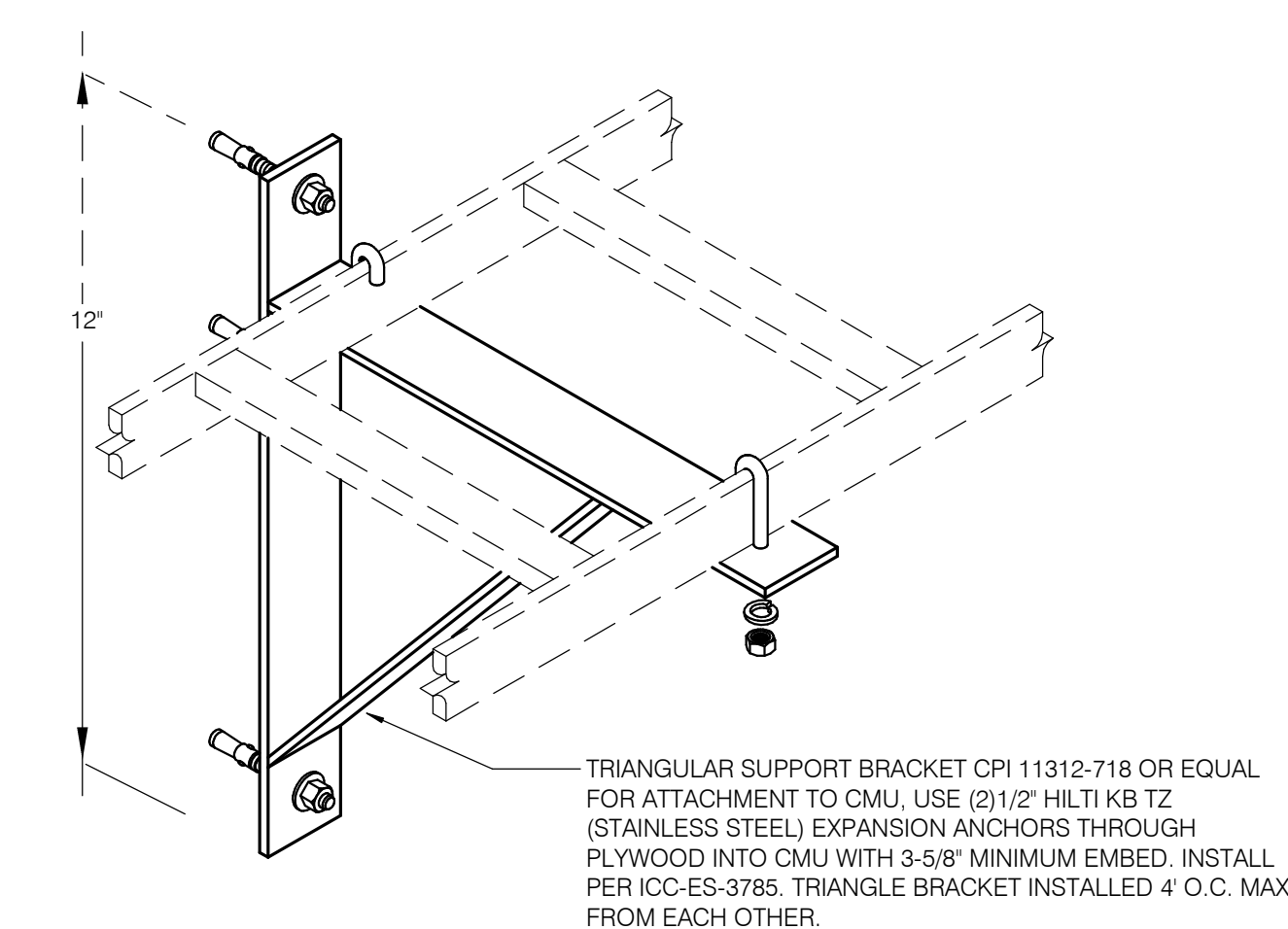


#### 4 TYPICAL WALL MOUNTING DETAIL

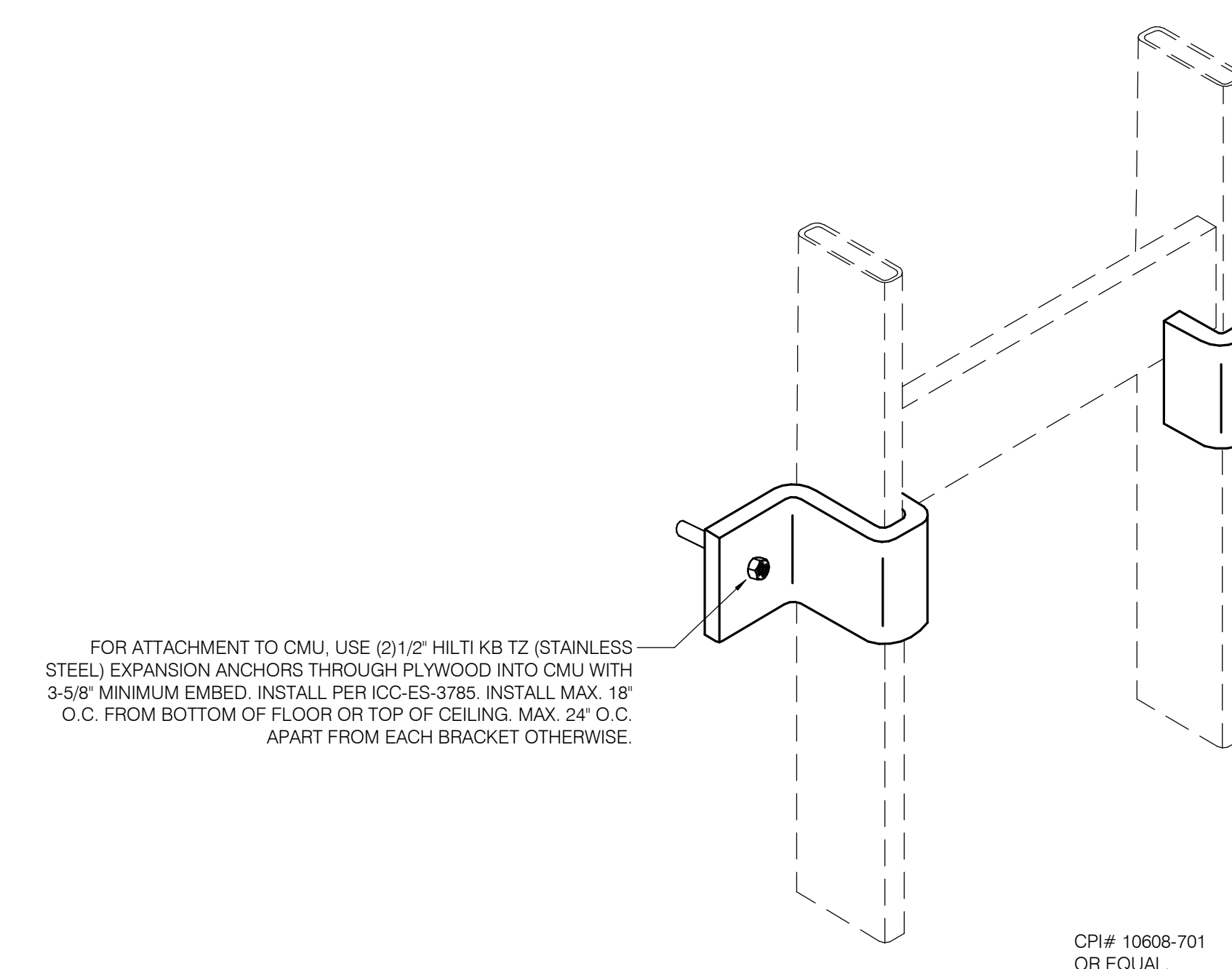
SCALE: NONE



### 3 TYPICAL LADDER RACK RUNWAY RADIUS DROP



## 2 TYPICAL TRIANGLE RUNWAY SUPPORT



1 TYPICAL VERTICAL WALL BRACKET  
SCALE: NONE



F  
E  
D  
C  
B  
A

1

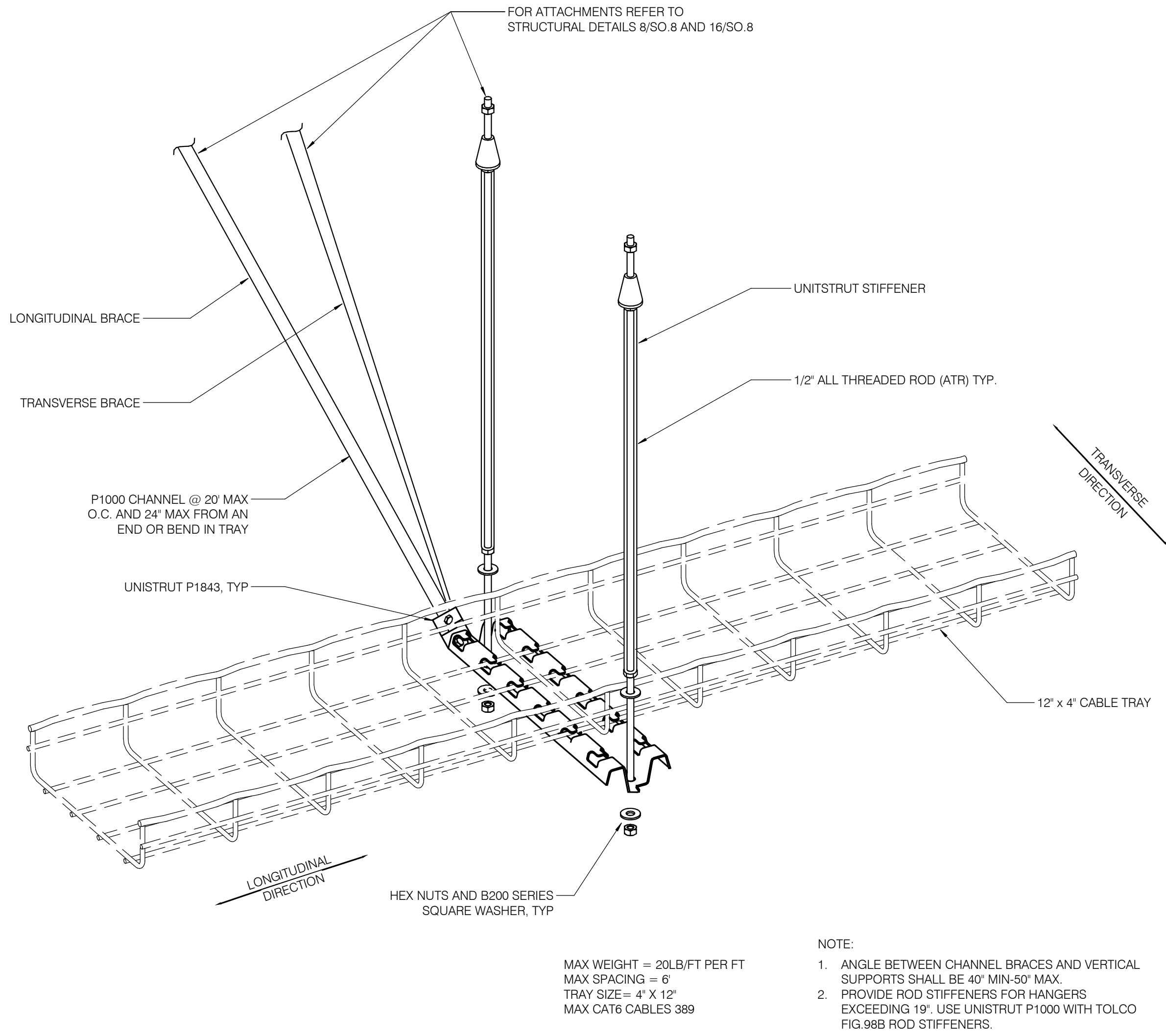
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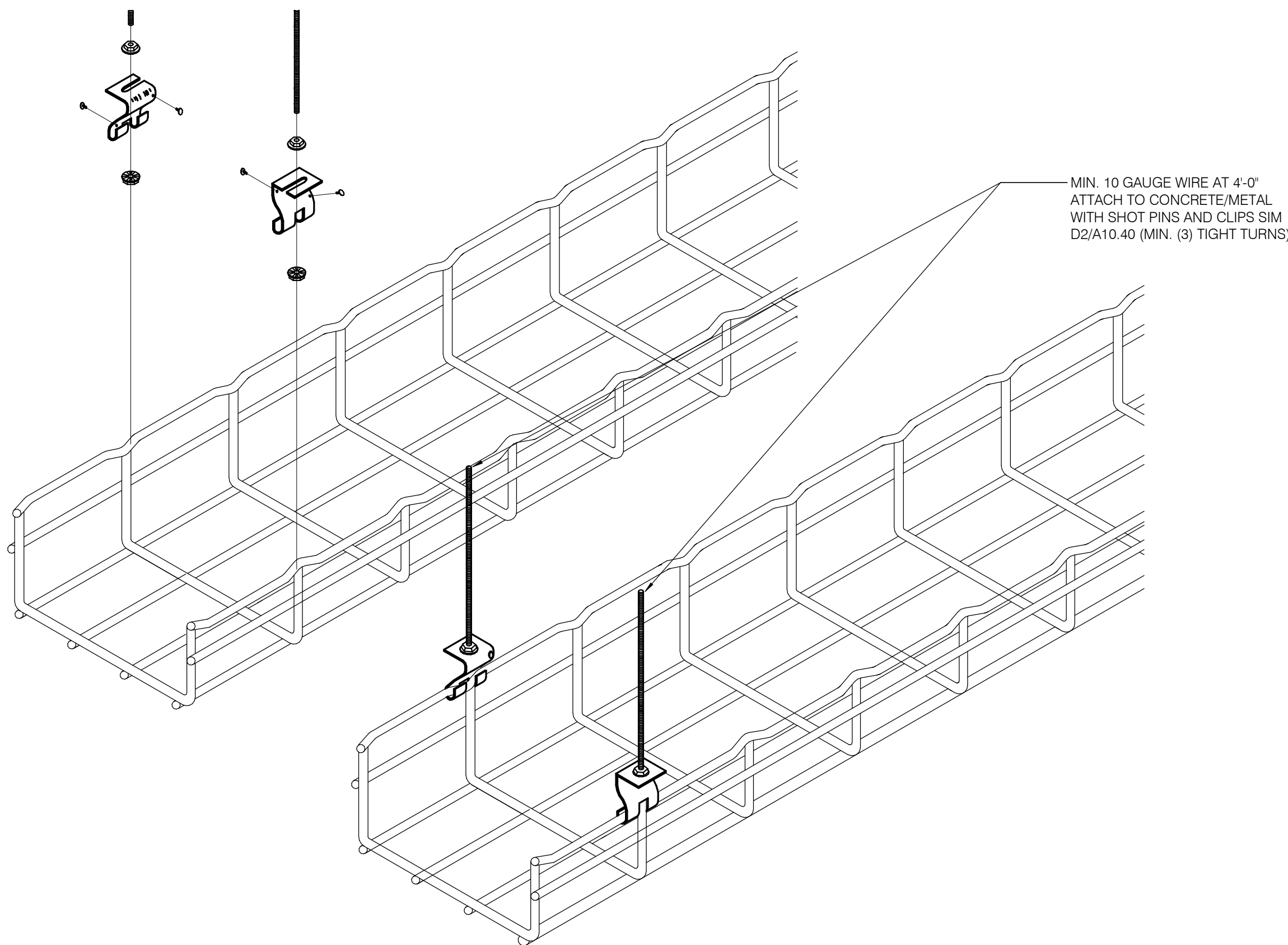
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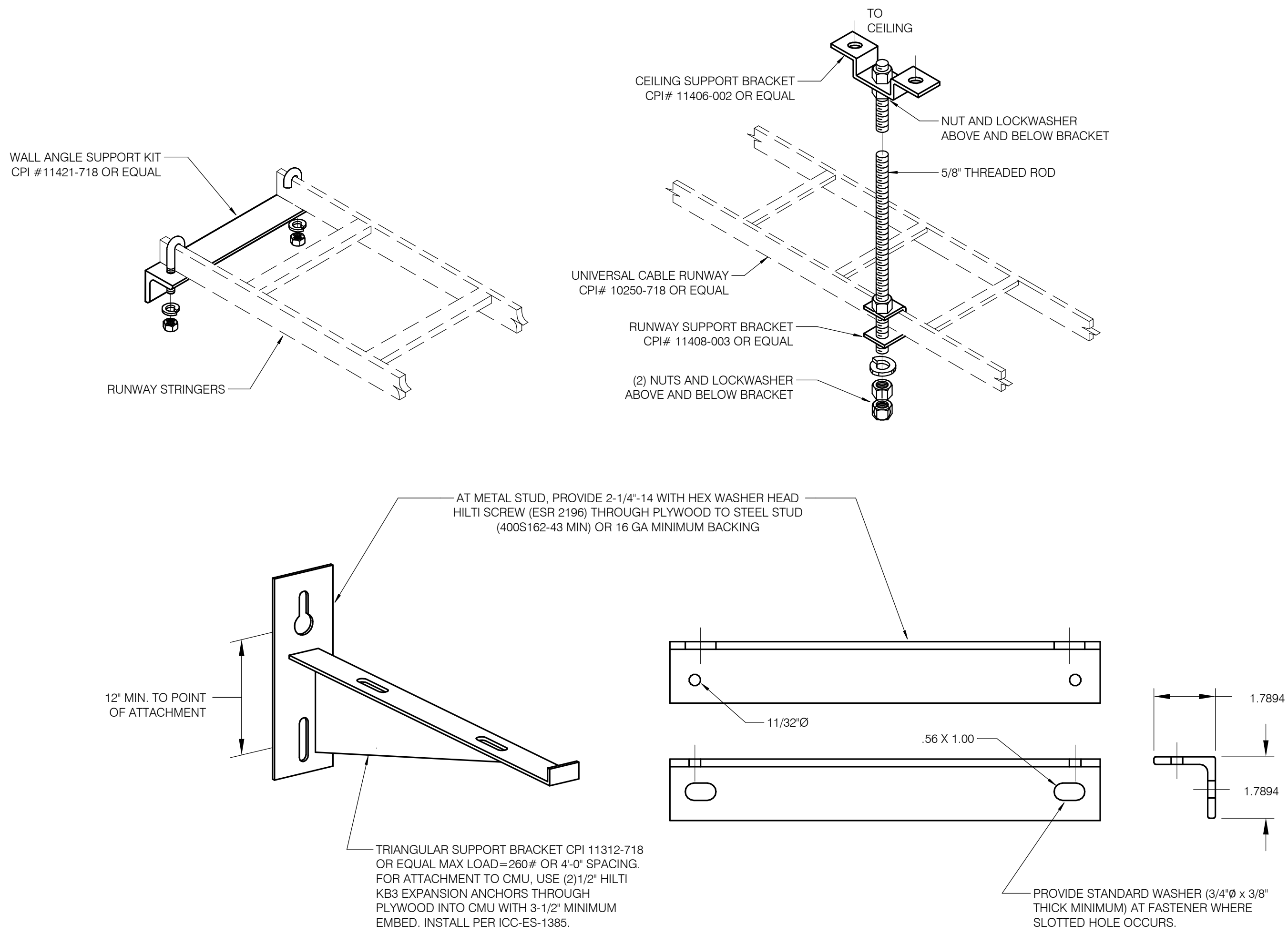
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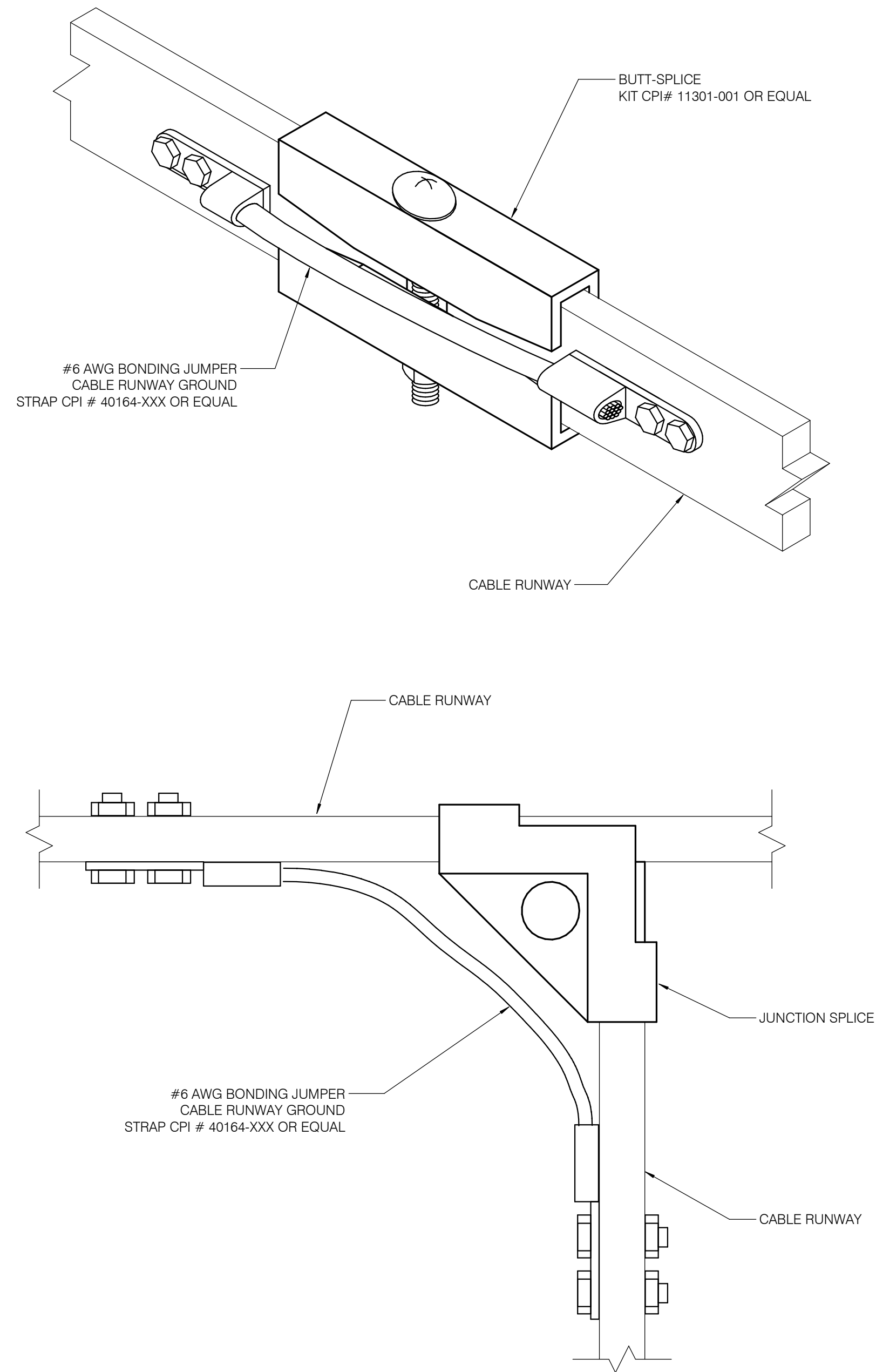
4 TYPICAL SEISMIC BRACING  
SCALE: NONE



3 TYPICAL CABLETRAY INSTALLATION  
SCALE: NONE



2 TYPICAL RUNWAY WALL CEILING SUPPORT KIT  
SCALE: NONE



1 TYPICAL JUNCTION BUTT SPLICE AND BONDING DETAILS  
SCALE: NONE



Dewberry Architects Inc.  
8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100



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CITY OF MCFARLAND, CALIFORNIA  
CITY OF MCFARLAND POLICE DEPARTMENT

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KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY M Domingo  
APPROVED BY L Henderson  
CHECKED BY K Von Der Linden  
DATE 10/29/2025  
TITLE

TELECOM DETAILS

PROJECT NO. 50184767

T602

SHEET NO.  
P2S No. J25-0014

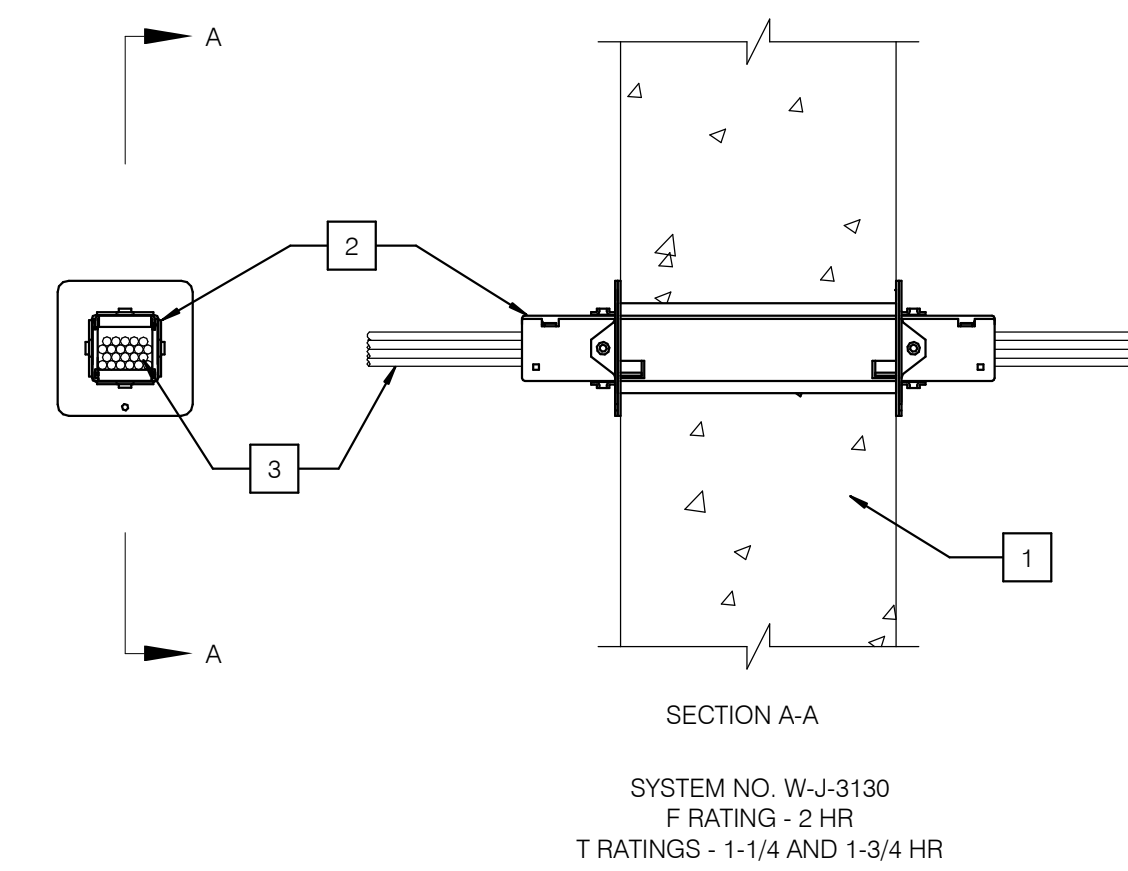






**NOTES:**

- WALL ASSEMBLY - MIN 6 IN. (152 MM) THICK REINFORCED LIGHTWEIGHT CONCRETE BLOCK (100-180 CFS OR 1600-2400 PSI COMPRESSIVE STRENGTH) SHALL BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*, OPENING TO BE MAX 2 IN. DIAM OR MAX 1 1/4 IN. (6.35 CM) LONGER THAN WIDTH AND HEIGHT DIMENSIONS OF FIRESTOP DEVICE.
2. FIRESTOP DEVICE\* - ONE FIRESTOP DEVICE MODULE CONSISTING OF 1 1/4" BY 1 1/4" BY 1 1/4" IN. (30.48 BY 30.48 BY 30.48) STEEL TUBES SHALL BE INSTALLED WITH AN ANKING NUT AND WASHER. MODULE TO BE INSTALLED WITH AN ANKING NUT AND WASHER. ACCOMPANYING INSTALLATION INSTRUCTIONS. THE SIZE OF THE ANKING NUT AND WASHER SHALL BE 1/2" DIA. THE PERIPHERY OF THE OPENING SHALL BE MIN 9/16 IN. (0.01 INCH) POINT CONTACT TO MAX 1/8 IN. (3.18 MM) (FIRESTOP DEVICE MODULES) SECURED IN PLACE BY 2" DIA. (51 MM) STEEL RODS, 1/2" DIA. (12.7 MM) GALVANIZED WIRE OR OTHER MATERIAL SUPPLIED WITH PRODUCT. STEEL WALL PLATES SHALL BE INSTALLED ON BOTH SIDES OF WALL AND SECURED TO WALL WITH 1/2" DIA. (12.7 MM) STEEL RODS. FIRESTOP DEVICE SHALL BE INSTALLED WITH ENDS PROJECTING AN EQUAL DISTANCE BEYOND EACH SURFACE OF THE WALL.
3. CABLES - WITHIN THE LOADING AREA FOR EACH FIRESTOP DEVICE MODULE, THE CABLES MAY REPRESENT A TO 100 PERCENT VOLUME FILL. CABLE FILL TO BE DISTRIBUTED AT A UNIFORM HEAVY ACROSS THE WIDTH OF THE FIRESTOP DEVICE MODULE. CABLES TO BE DISTRIBUTED TO REPRESENT A UNIFORM HEAVY ACROSS THE WIDTH OF THE FIRESTOP DEVICE MODULE. ANY COMBINATION OF THE FOLLOWING TYPES OF CABLES MAY BE USED:
  - A. MAX FOUR PAIR NO. 22 AWG (OR SMALLER) COPPER
  - B. MAX FOUR PAIR NO. 14 AWG (OR SMALLER) POLYCHLORIDE (PVC) OR PLENUM RATED JACKETING (AND INSULATION)
  - C. MAX RG59 COAXIAL CABLE WITH FLUORINATED ETHYLENE VINYL CHLORIDE (FVCP) JACKETING
  - D. FIBER OPTIC CABLE WITH POLYVINYL CHLORIDE (PVC) OR POLYETHYLENE (PE) JACKETING (THE INSTALLATION HAVING A MAX 1/4" (6.35 MM) DIA. OPENING) (FIBER OPTIC CABLES MAY BE INSTALLED. OTHERWISE, THE RATING IS 1-3/4 HR.)



2 TYPICAL 2-HOUR WALL FIRE STOP (CONCRETE) (EZ-PATH)

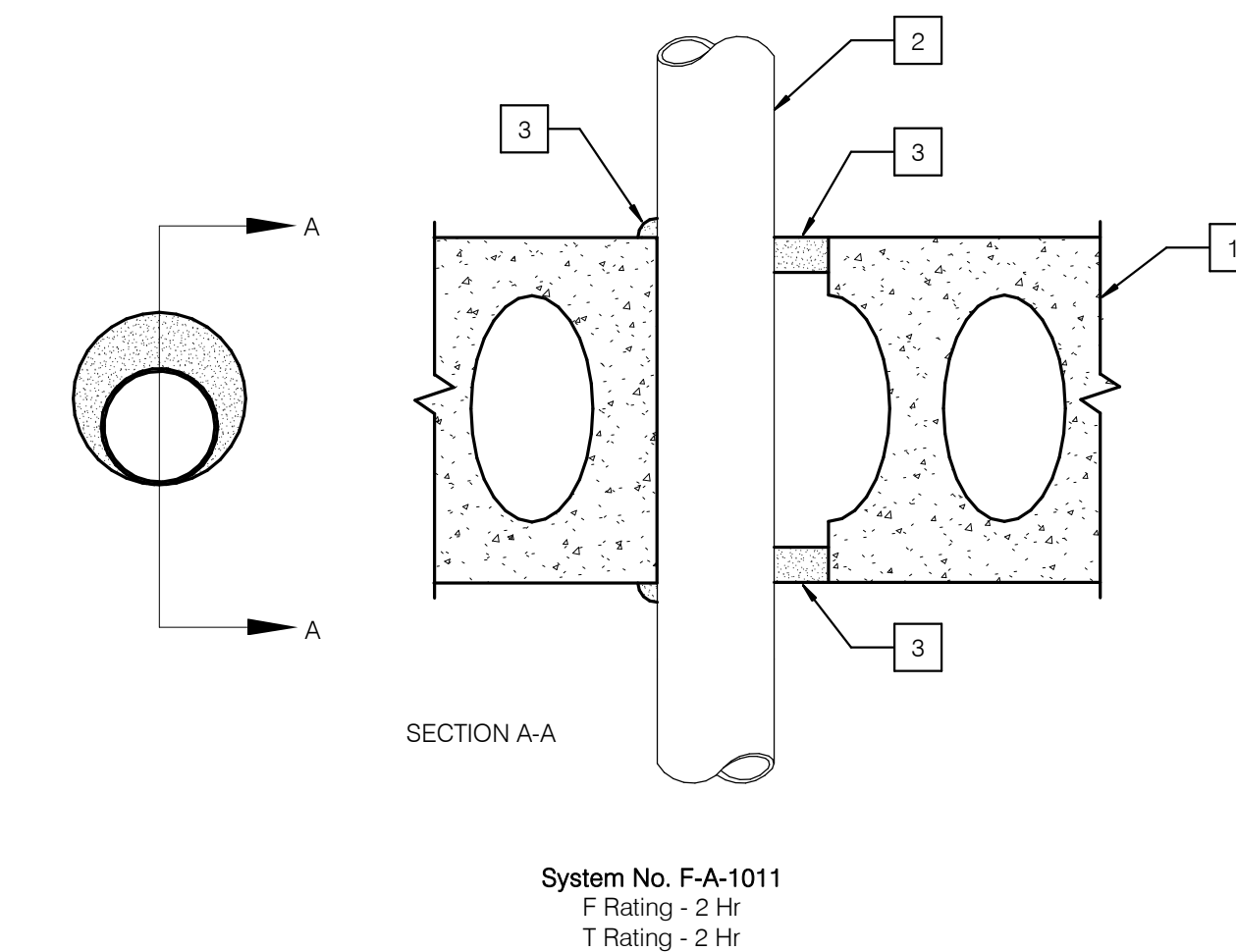
SCALE: NONE

**NOTES:**

1. FLOOR OR WALL ASSEMBLY - MIN 6 IN. THICK UL-CLASSED HOLLOW-CORE PRECAST CONCRETE UNITS - FLORAMAY OR EQUIVALENT. STRUCTURE SHALL BE REINFORCED WITH 10# REBAR. MINIMUM LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE MAX DIAMETER OF OPENING IS 2 IN. SEE PRECAST CONCRETE MANUFACTURER'S CATALOG FOR THE RESISTANCE DIRECTOR FOR NAMES OF MANUFACTURERS.
2. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING NOT INSTALLED IN THE FLOOR OR WALL ASSEMBLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE FULLY SUPPORTED ON BOTH ENDS. FOR ROADS AND/OR ASSOCIATED EQUIPMENT, THE WEIGHT OF PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (POINT CONTACT) TO MAX 78 IN. (20 IN. DIAM) VIBES AND TYPES OF METALLIC PIPES, CONDUITS OR TUBINGS MAY BE USED:
- A. **STEEL PIPE** - NOM 1 IN. DIAM (OR SMALLER) SCHEDULE 5
  - B. **STEEL TUBING** - NOM 1 IN. DIAM (OR SMALLER) SCHEDULE 5
  - C. **CONDUIT** - NOM 1 IN. DIAM (OR SMALLER) STEEL
  - D. **ELECTRICAL METALLIC TUBING** OR STEEL CONDUIT.
  - E. **STEEL TUBING** - NOM 1 IN. DIAM (OR SMALLER) TYPE (OR HEAVIER) COPPER TUBE.
- COPPER PIPE** - NOM 1 IN. DIAM (OR SMALLER) REGULAR OR HEAVY WALL COPPER
3. FILL VOID, OR GUSH MATERIALS - CAULK OR SEALANT - MIN 1/2 IN. THICK. THE MASS OF THE MASS OF THE SEALANT SHALL BE ANNUUS, FLUSH WITH EACH SURFACE OF FLOOR, SEALANT 1/2 IN. DIAM BEAD OF CAULK OR SEALANT APPLIED TO THE SURROUNDING SURFACE. THE SEALANT SHALL BE THE POINT CONTACT LOCATION ON BOTH SIDES OF FLOOR.

3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT.

\*BEARING THE UL CLASSIFICATION MARKING

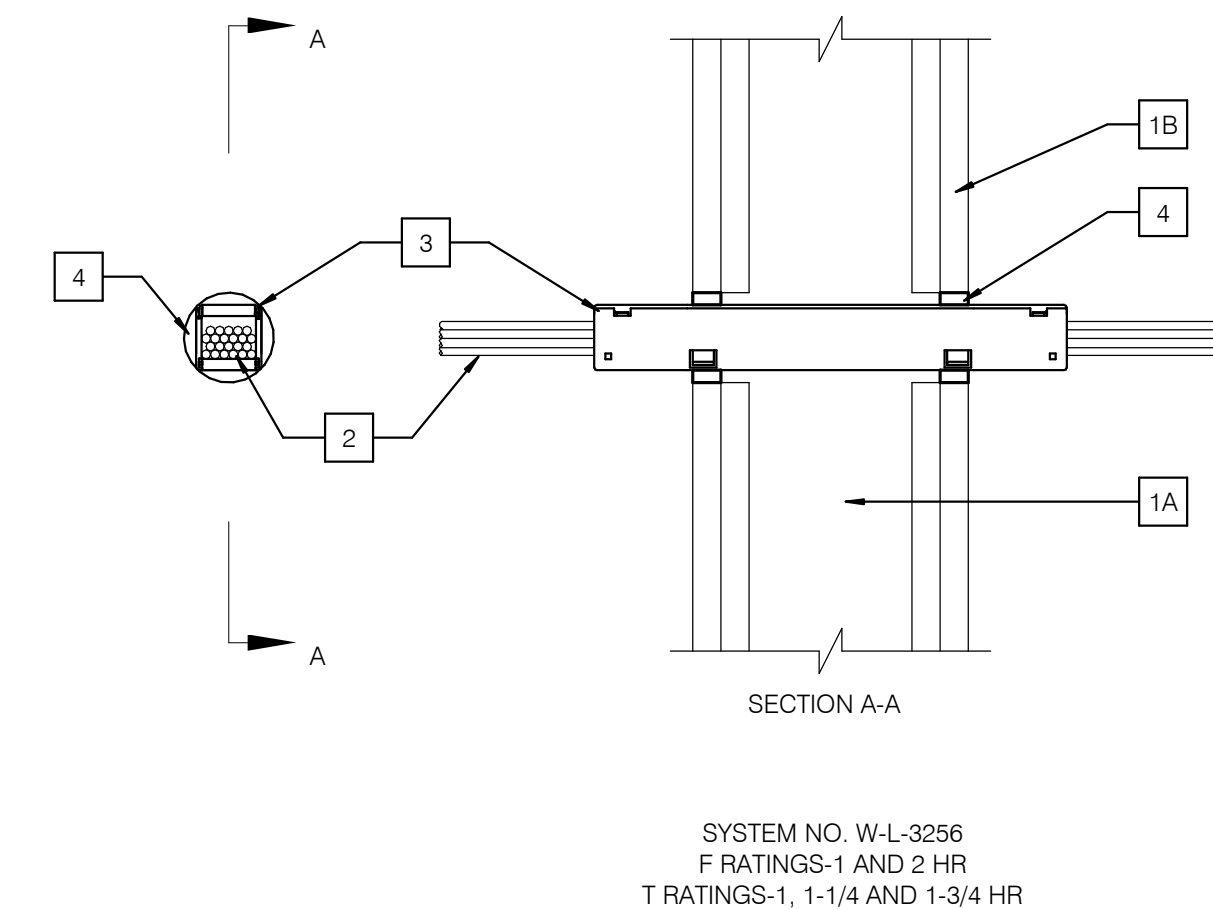


2 TYPICAL 2-HOUR WALL FLOOR FIRE STOPPING (CONCRETE)

SCALE: NONE

**NOTES:**

- WALL ASSEMBLY:** THE 1 OR 2 R/F FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED WITHIN THE INDIVIDUAL LQ800 OR LQ400 SERIES WALL, OR PARTITION DIVIDER SYSTEM. ALL FILLS, SEALANTS, JOINTS AND SHALL INCORPORATE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS - WALL FRAMING SHALL CONSIST OF EITHER WOOD STUDS OR STEEL STUDS. STUDS SHALL BE SPECIFIED FOR RATING OF NOM 2 BY 4 IN. (151/102 MM) LUMBER SPACED MAX 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3/4" X 12 IN. (69 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
  - B. "FIRE-PROOF" JOINTS - JOINTS BETWEEN STUDS AND GYPSUM PANELS SEALERS AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. OPENING IN GYPSUM BOARD TO ACCOMMODATE FIRESTOP DEVICE TO BE MAX 3 IN. (76 MM) WIDE BY MAX 2 1/2 IN. (64 MM) HIGH; OR NOM 2 IN. (51 MM) DIAMETER. C. HOURLY RATING OF THE WALL SHALL BE DETERMINED BASED UPON THE HOURLY RATING OF THE WALL IN WHICH IT IS INSTALLED.
2. CABLES - WITHIN THE LOADING AREA FOR EACH FIRESTOP DEVICE MODULE, THE CABLES MAY REPRESENT A 0 TO 100 PERCENT VULNERA. FILL. CABLE FILL TO BE DISTRIBUTED AT A UNIFORM HEIGHT ACROSS THE WIDTH OF THE FIRESTOP DEVICE. CABLES SHALL BE PROTECTED FROM MECHANICAL DAMAGE BY THE WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES OF CABLES MAY BE USED:
- A. MAX FOUR PAIR NO. 22 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLES WITH POLYVINYL CHLORIDE (PVC) OR PLENUM RATED JACKETS AND INSULATION.
  - B. MAX RGU COAXIAL CABLE WITH FLUORINATED ETHYLENE POLYETHYLENE JACKETS.
  - C. FIBER OPTIC CABLE WITH POLYVINYL CHLORIDE (PVC) OR POLYETHYLENE (PE) JACKET AND INSULATION HAVING A MAX DIAM OF 1/4 IN. (6 MM). THE TYPICAL MAX 1/4 IN. (6 MM) DIA. CABLE SHALL BE LIMITED TO ONE PER LINE.
- RESPECTIVELY, WHEN NO CABLES ARE INSTALLED IN FIRESTOP DEVICE, THE RATING IS 1 HR AND 1 1/4 HR IN 1 HR AND 2 HR RATED WALLS, RESPECTIVELY, WHEN CABLES ARE INSTALLED IN FIRESTOP DEVICE.
3. FIRESTOP DEVICE - FIRESTOP DEVICE CONSISTS OF A 1 1/4 BY 10 1/2 IN. (38 BY 267 MM) LONG GALV STEEL TUBE WITH AN INTERMEDIATE 1/2 IN. (13 MM) DEEP FIRESTOP CHANNEL. FIRESTOP DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. PRIOR TO INSTALLATION WITH-IN WALL, LD REMOVED FROM DEVICE TO CAPTURE GROUPED CABLES. AFTER THE CABLES HAVE BEEN GROUPED, THE FIRESTOP DEVICE SHALL BE RE-PROJECTED SLID ALONG CABLES INTO WALL SUCH THAT LD IS ON TOP AND ENDS PROJECT AN EQUAL DISTANCE FROM THE APXIMATE CENTERLINE OF THE WALL ASSEMBLY. THE SPACE BETWEEN THE DEVICE AND THE PERIPHERY OF THE OPENING SHALL BE MIN 0 IN. (0 MM, POINT CONTACT) TO MAX 1/2 IN. (13 MM).
4. FILL, VOID OR CAVITY MATERIAL - SEALANT - MIN 5/8 IN. (16 MM) THICKNESS OF SEALANT TO BE APPLIED IN ANNULAR SPACE BETWEEN FIRESTOP DEVICE AND PERIPHERY OF OPENING ON EACH SIDE OF WALL ASSEMBLY. NOM 38 IN. (10 mm) THICKNESS OF FILL TO BE APPLIED TO COVER THE ENTIRE SURFACE OF THE WALL BETWEEN THE FIRESTOP DEVICE AND GYPSUM BOARD ON BOTH SIDES OF THE WALL.
- SPECIFICATIONS:  
SPECIFICATION LOGS INC. - SPECSEAL, NO. 100, 101, 102, 105, 120 & 129 SEALANT.  
SPECSEAL LC1 SEALANT.  
SPECSEAL C159 SEALANT

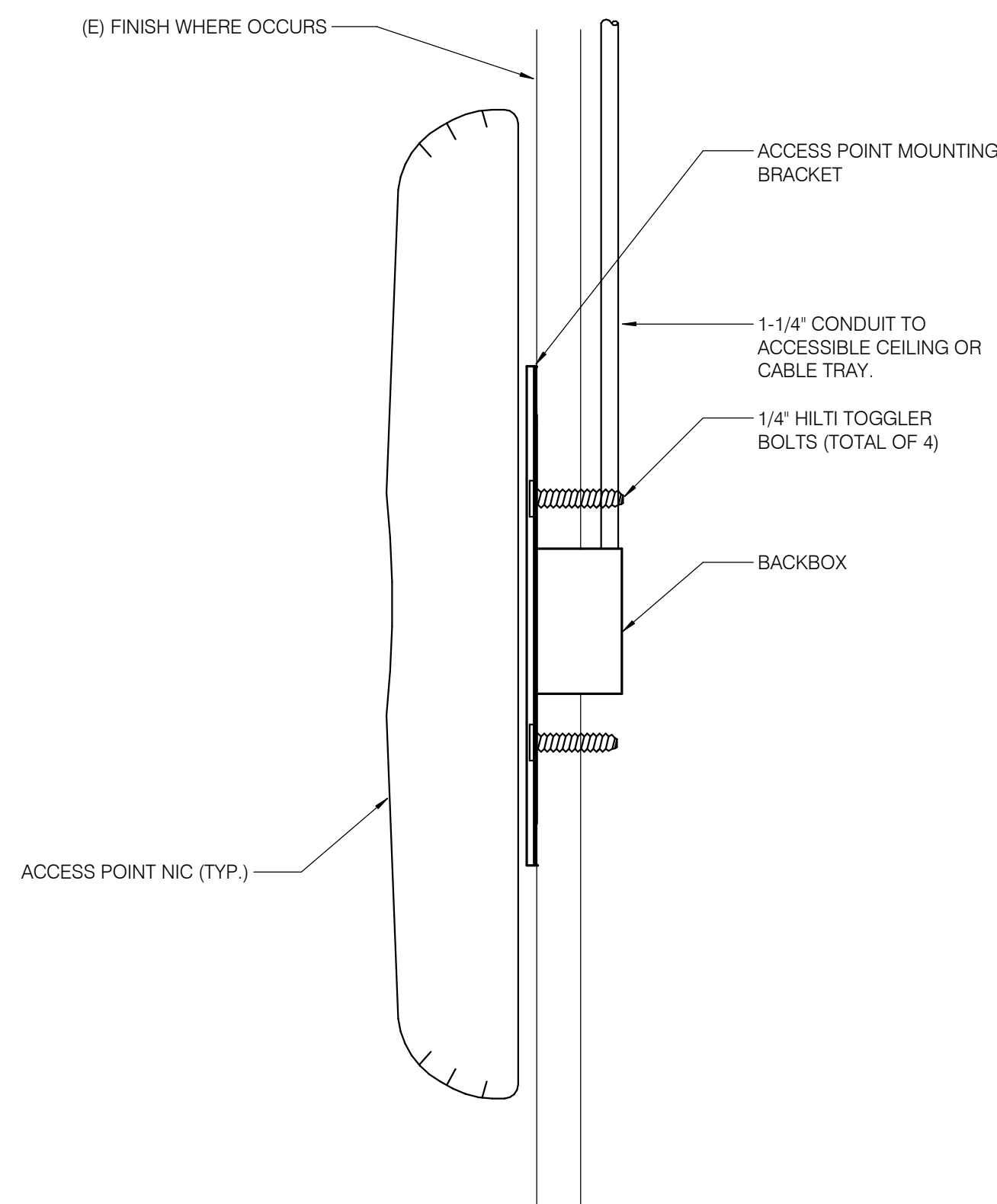


4 TYPICAL 1-HOUR / 2-HOUR WALL FIRE STOP (GYPSUM) (EZ-PATH)

SCALE: NONE

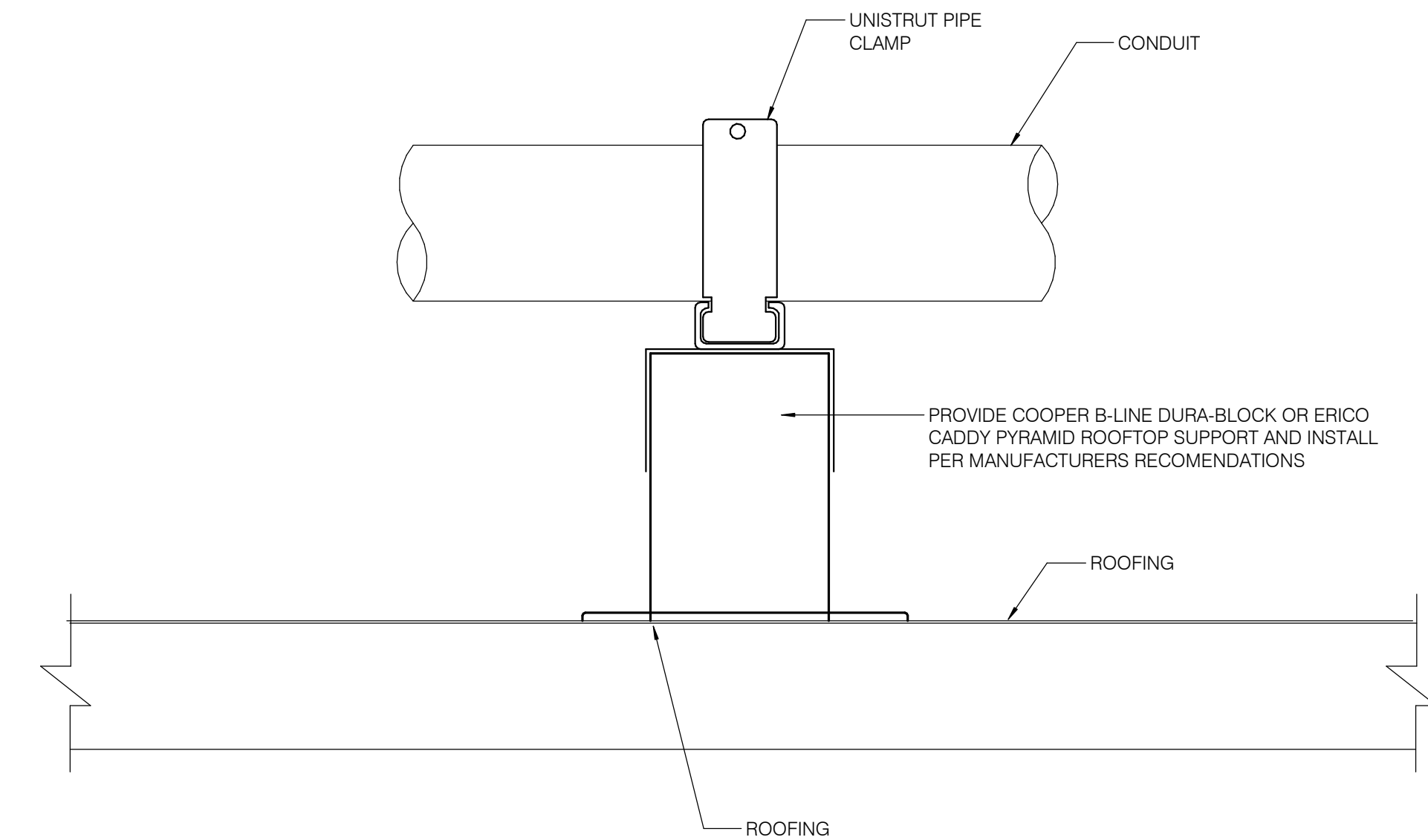
## TYPICAL INTERIOR WAP WALL MOUNTING

SCALE: NONE



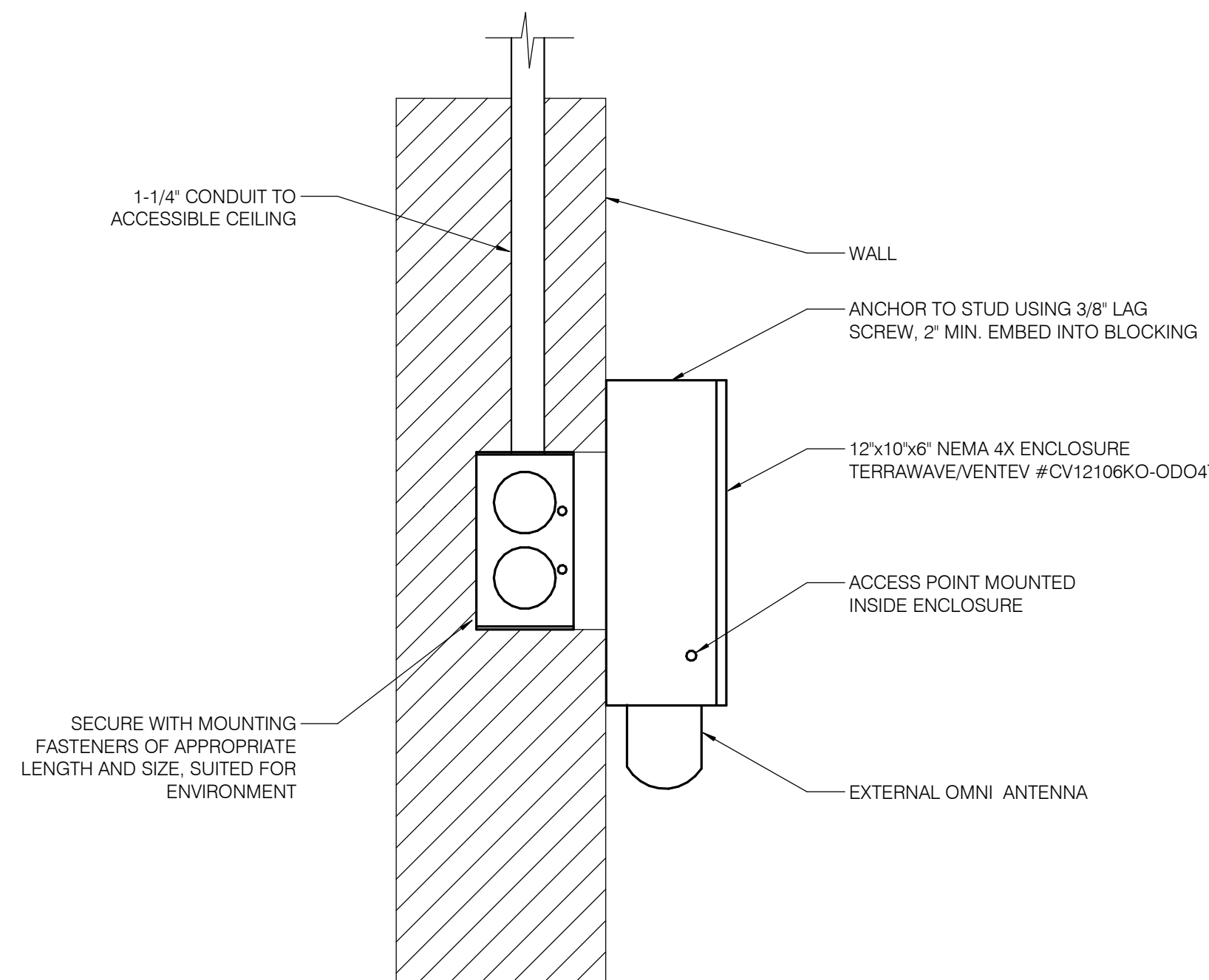
### TYPICAL CONDUIT ROOF SUPPORT

SCALE: NONE



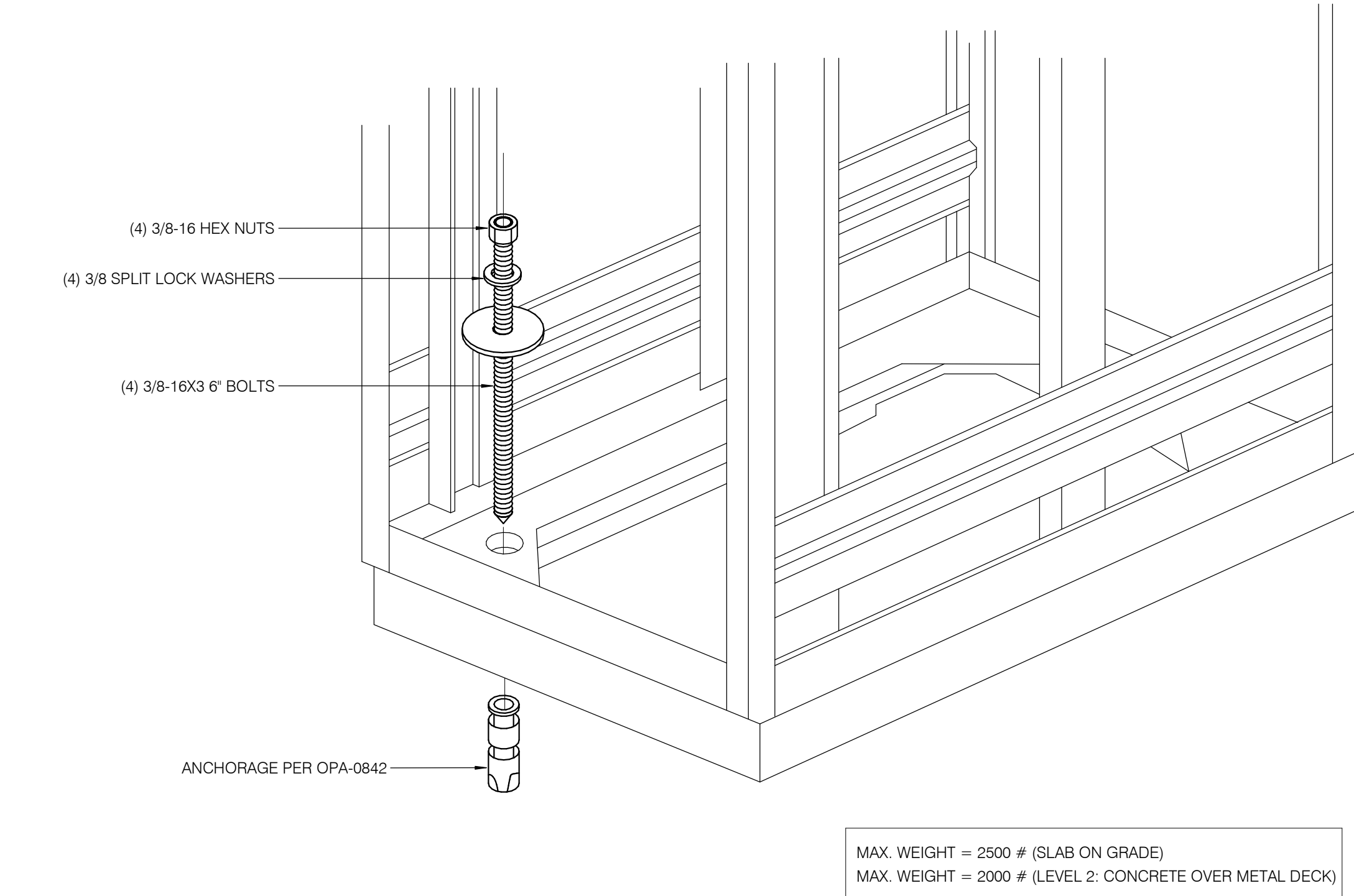
7 TYPICAL EXTERIOR WAP WALL MOUNT WITH NEMA RATED BOX

SCALE: NONE



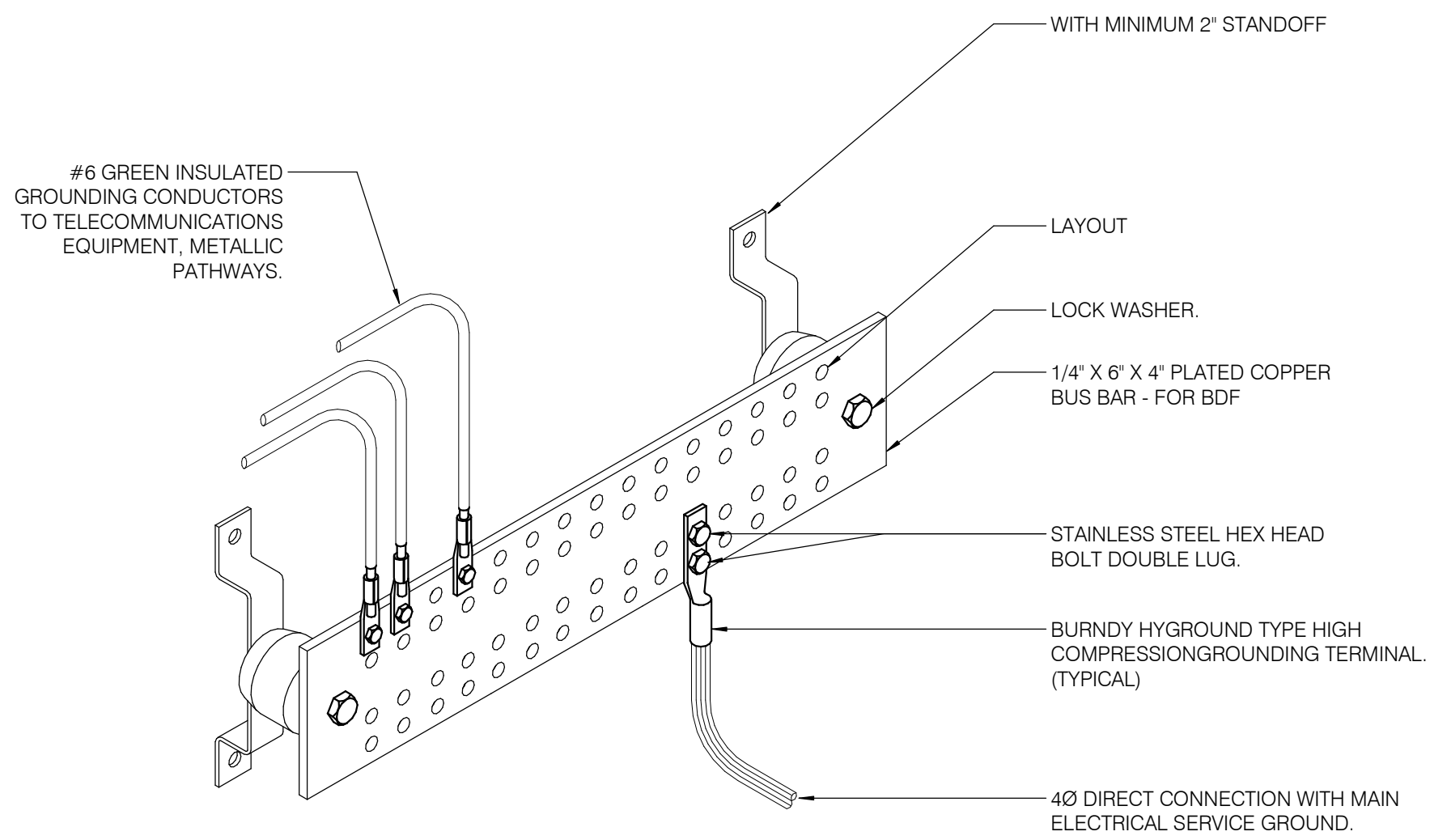
TYPICAL FLOOR MOUNTED 4 POST RACK - CONCRETE FLOOR

SCALE: NONE

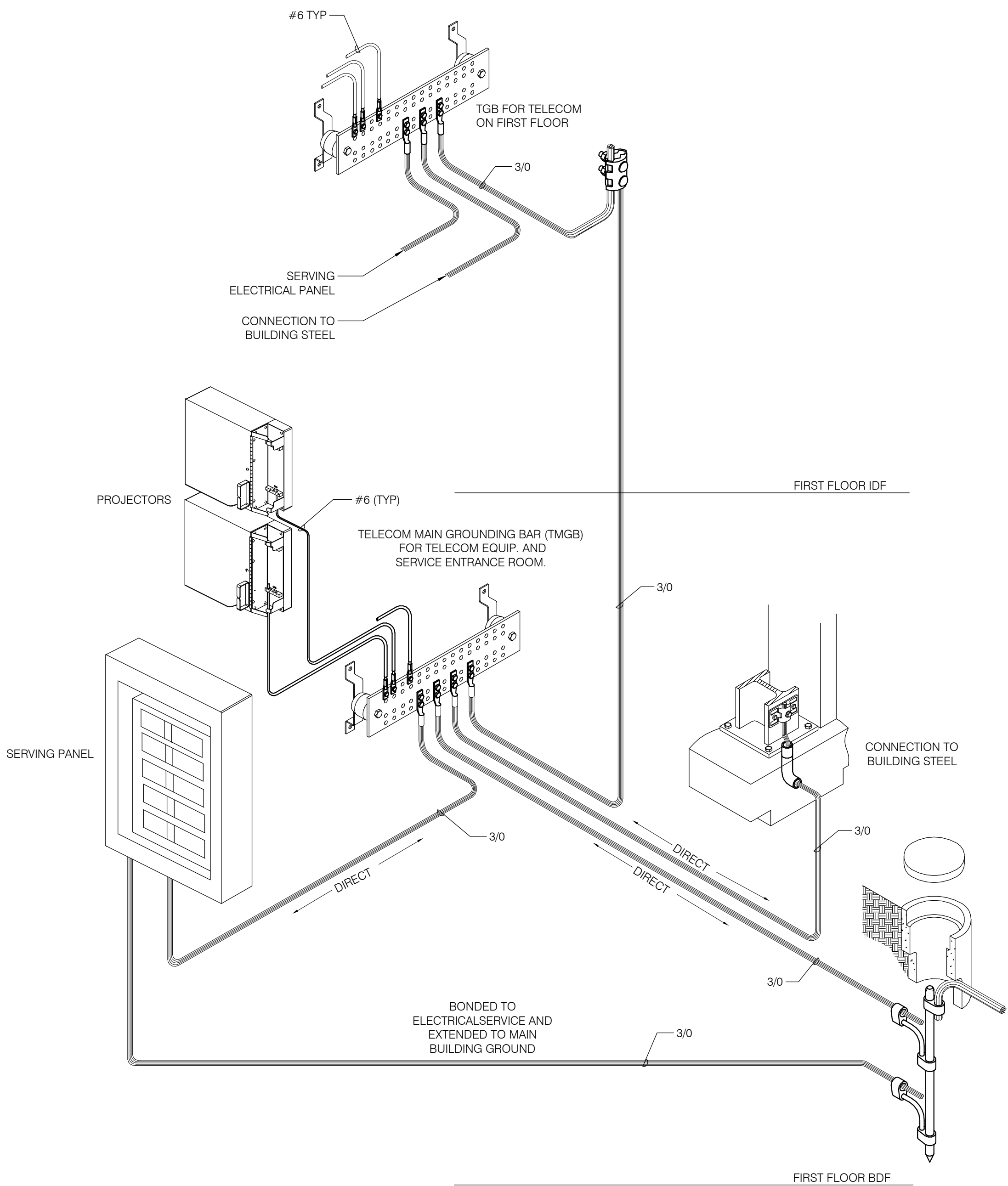


MAX. WEIGHT = 2500 # (SLAB ON GRADE)  
MAX. WEIGHT = 2000 # (LEVEL 2: CONCRETE OVER METAL DECK)

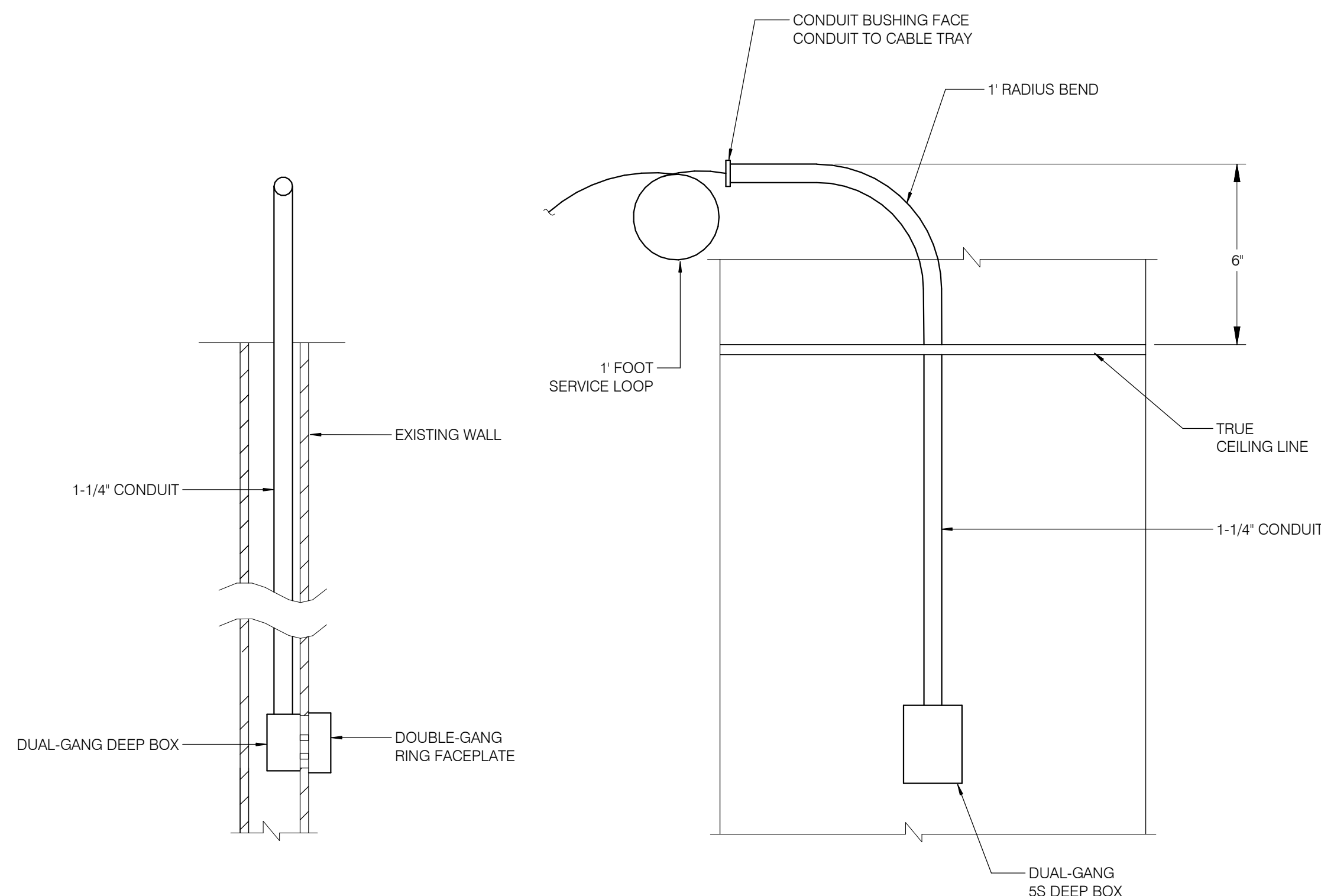




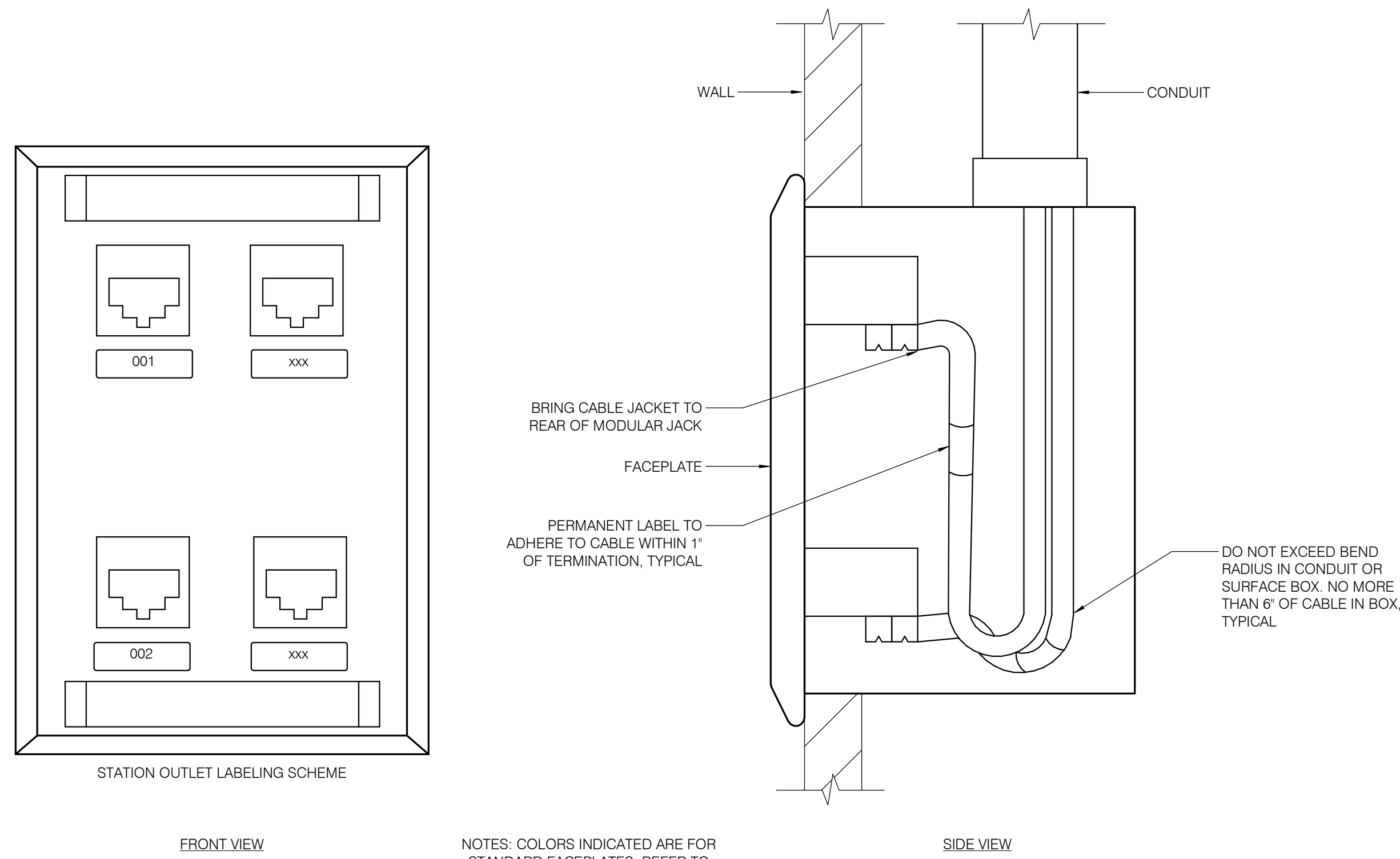
5 TYPICAL GROUND BUS BAR  
SCALE: NONE



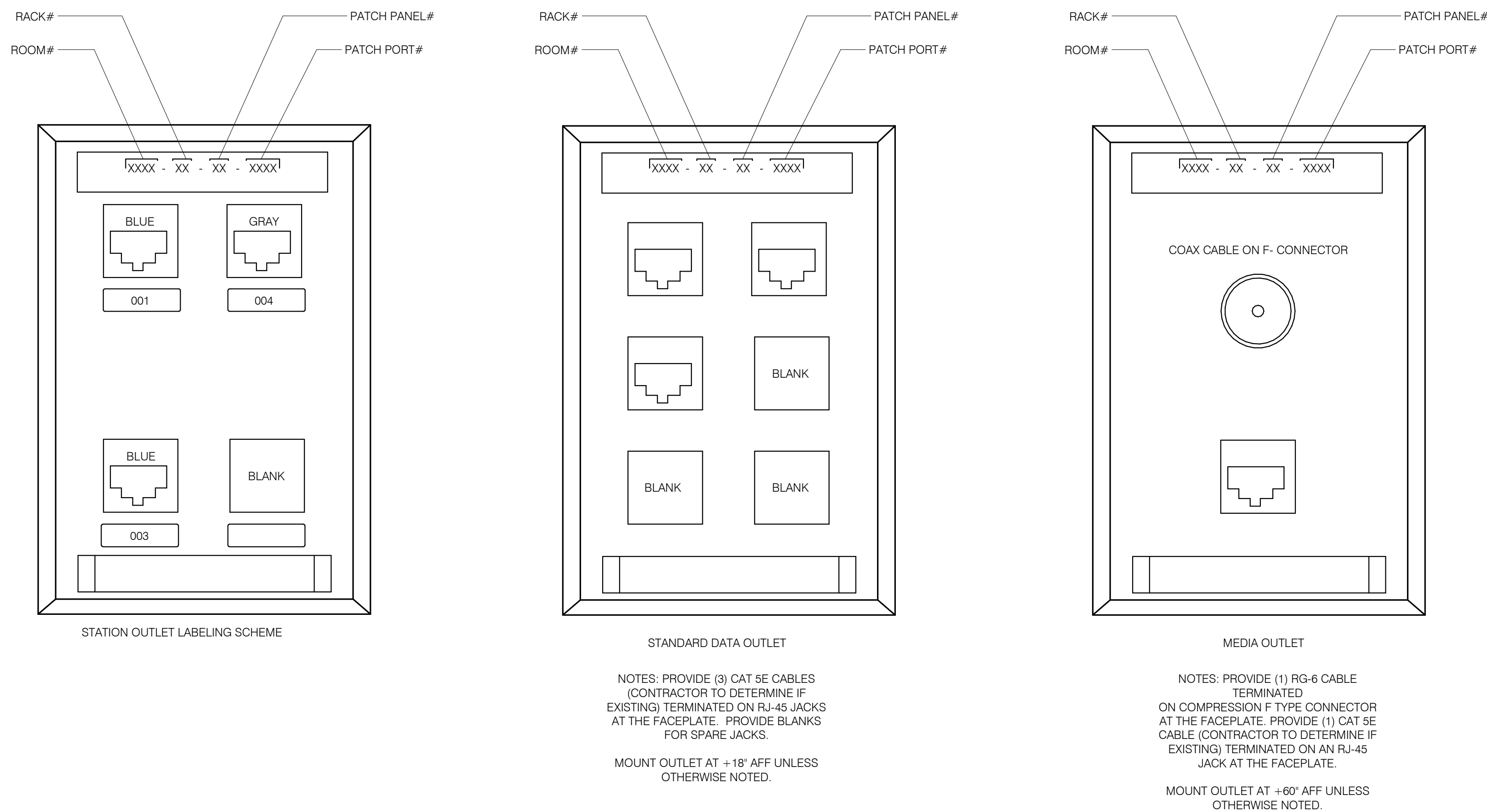
4 TYPICAL GROUNDING DIAGRAM  
SCALE: NONE



3 TYPICAL OUTLET CONCEALED CONDUIT  
SCALE: NONE



2 TYPICAL STANDARD OUTLET  
SCALE: NONE



1 TYPICAL STANDARD OUTLET  
SCALE: NONE



Dewberry Architects Inc.

8401 Arlington Boulevard  
Fairfax, VA 22031-4619  
703.849.0100

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McFarland, CA 93250

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SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY M Domingo  
APPROVED BY L Henderson  
CHECKED BY K Von Der Linden  
DATE 10/29/2025  
TITLE

TELECOM DETAILS

PROJECT NO. 50184787

T605

SHEET NO.  
P2S No. J25-0014











10/29/2025 12:58:57 PM



SEAL



KEY PLAN

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY M Dominguez  
APPROVED BY L Henderson  
CHECKED BY K Von Der Linden  
DATE 10/29/2025

TITLE

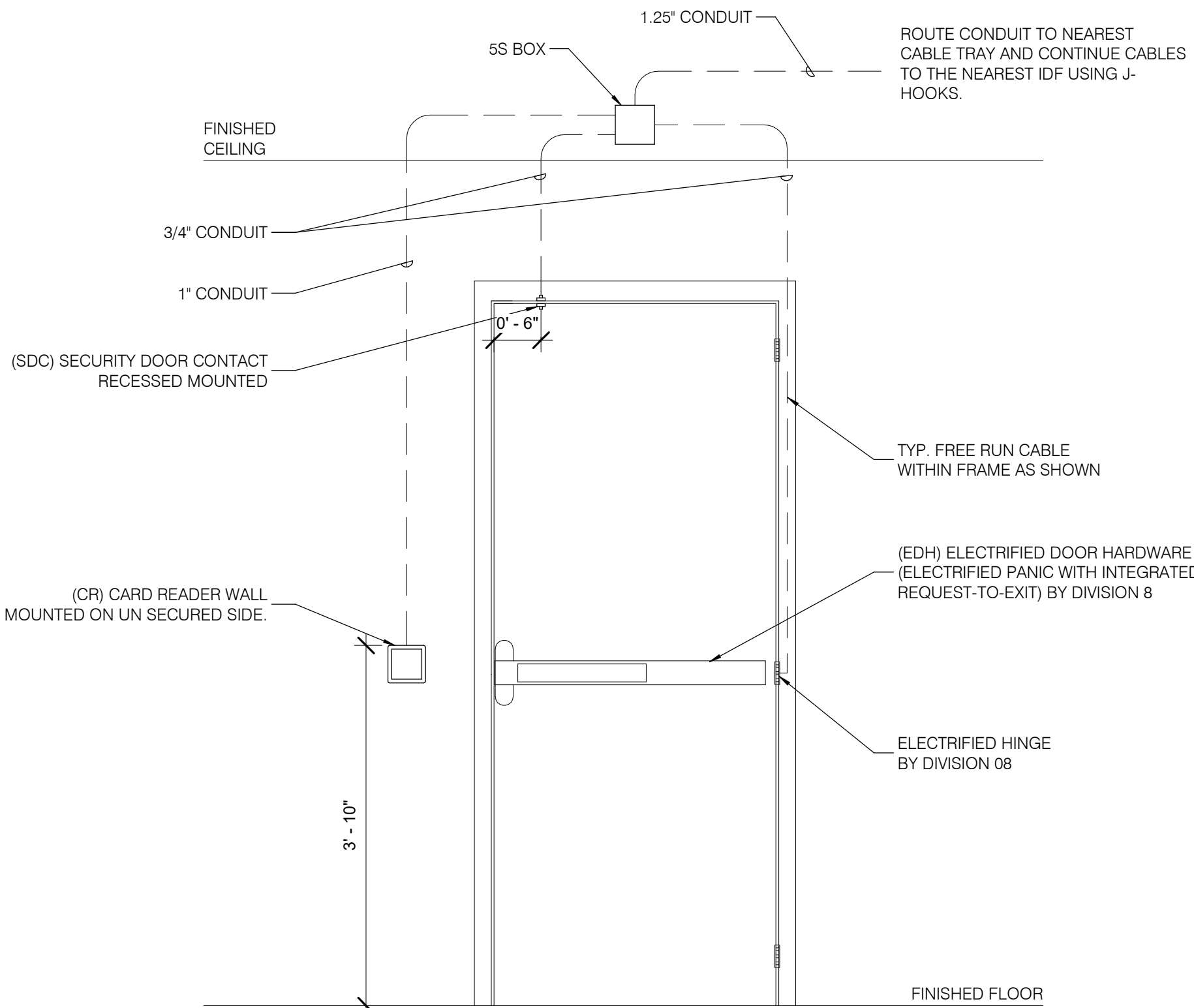
SECURITY  
DETAILS

PROJECT NO. 50184767

T622

GENERAL NOTES:

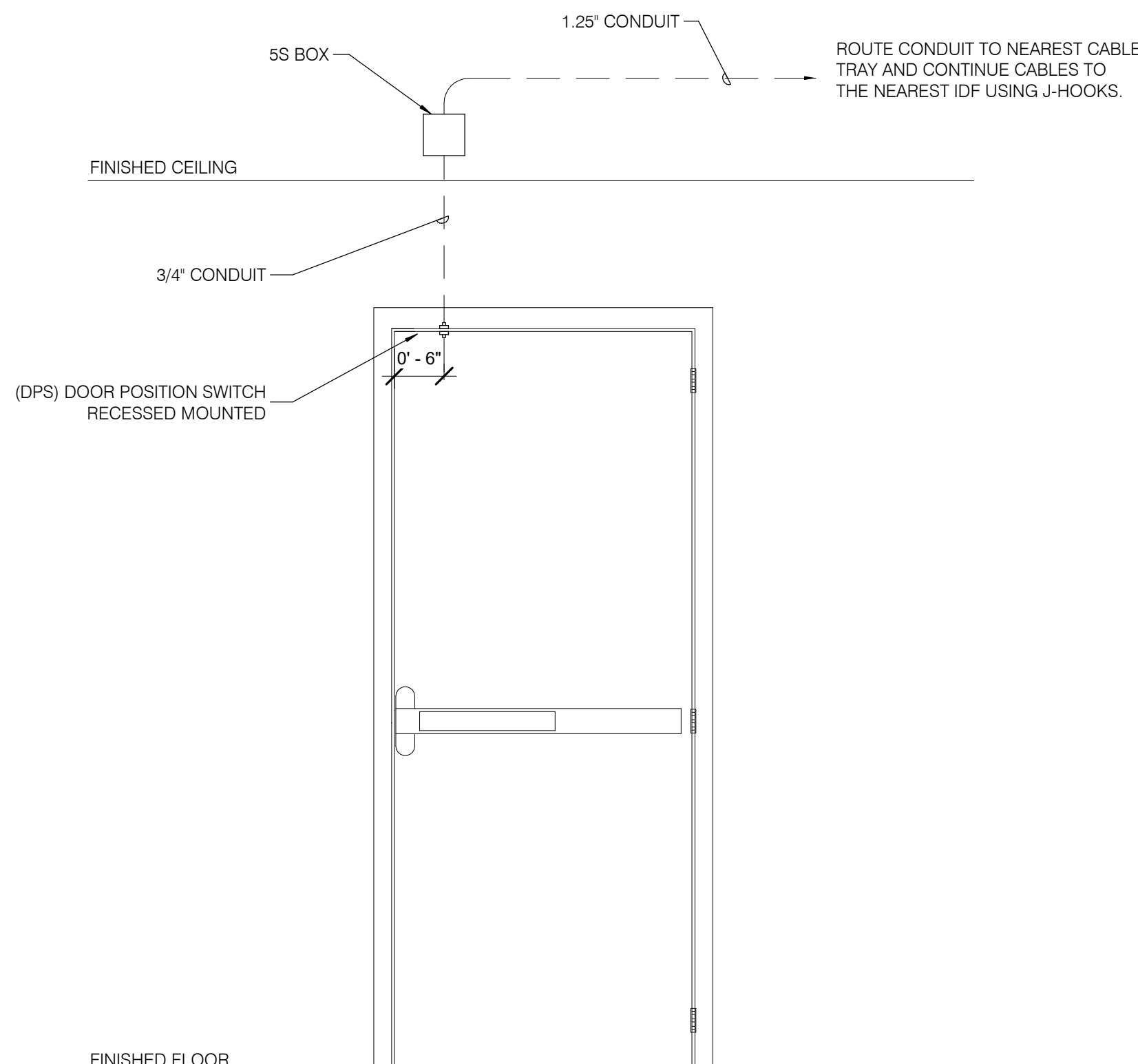
- COORDINATE LOCKING HARDWARE WITH HARDWARE PROVIDER UNDER OTHER SPECIFIC SECTIONS.
- VIEW IS SHOWN FROM SECURED SIDE OF PORTAL. ELECTRICAL CONDUIT, BOXES AND EQUIPMENT SHALL BE MOUNTED ON SECURED SIDE OF PORTAL, UNLESS OTHERWISE NOTED.
- DETAILS ARE FOR REFERENCE ONLY. SEE FLOOR PLANS FOR LEFT OR RIGHT HAND PLACEMENT OF DEVICES.
- PROVIDE E.O.L. RESISTOR AS REQUIRED OF SUPERVISED CIRCUIT.
- CONTRACTOR PROVIDE CONDUIT WITH PULL STRING TO EVERY DEVICE LOCATION FROM SECURITY JUNCTION BOX.



4 TYP. ACCESS CONTROLLED SINGLE DOOR - WALL MOUNT READER  
SCALE: NONE

GENERAL NOTES:

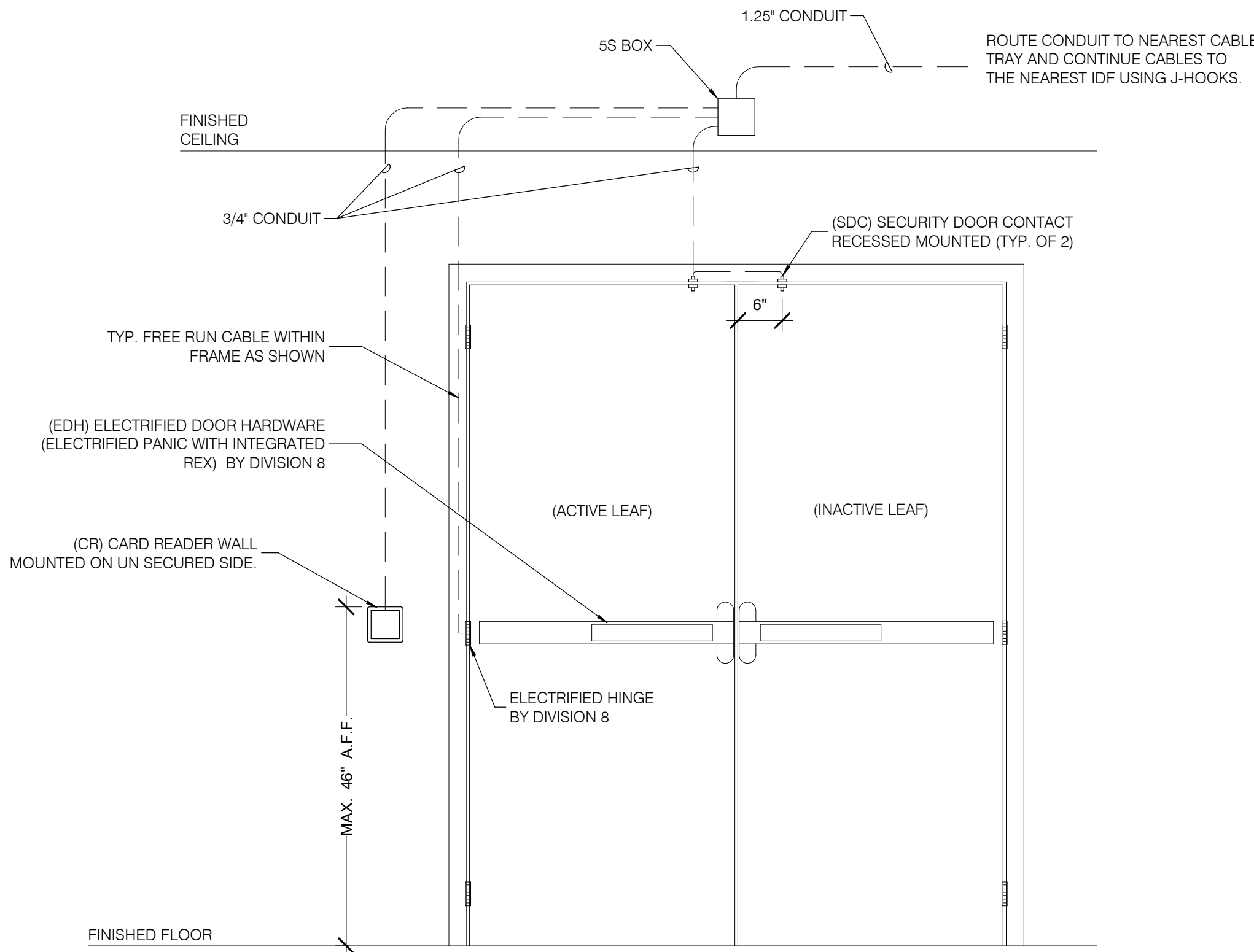
- COORDINATE LOCKING HARDWARE WITH HARDWARE PROVIDER UNDER OTHER SPECIFIC SECTIONS.
- VIEW IS SHOWN FROM SECURED SIDE OF PORTAL. ELECTRICAL CONDUIT, BOXES AND EQUIPMENT SHALL BE MOUNTED ON SECURED SIDE OF PORTAL, UNLESS OTHERWISE NOTED.
- DETAILS ARE FOR REFERENCE ONLY. SEE FLOOR PLANS FOR LEFT OR RIGHT HAND PLACEMENT OF DEVICES.
- PROVIDE E.O.L. RESISTOR AS REQUIRED OF SUPERVISED CIRCUIT.
- CONTRACTOR PROVIDE CONDUIT WITH PULL STRING TO EVERY DEVICE LOCATION FROM SECURITY JUNCTION BOX.



2 TYP. SINGLE DOOR WITH DOOR CONTACT  
SCALE: NONE

GENERAL NOTES:

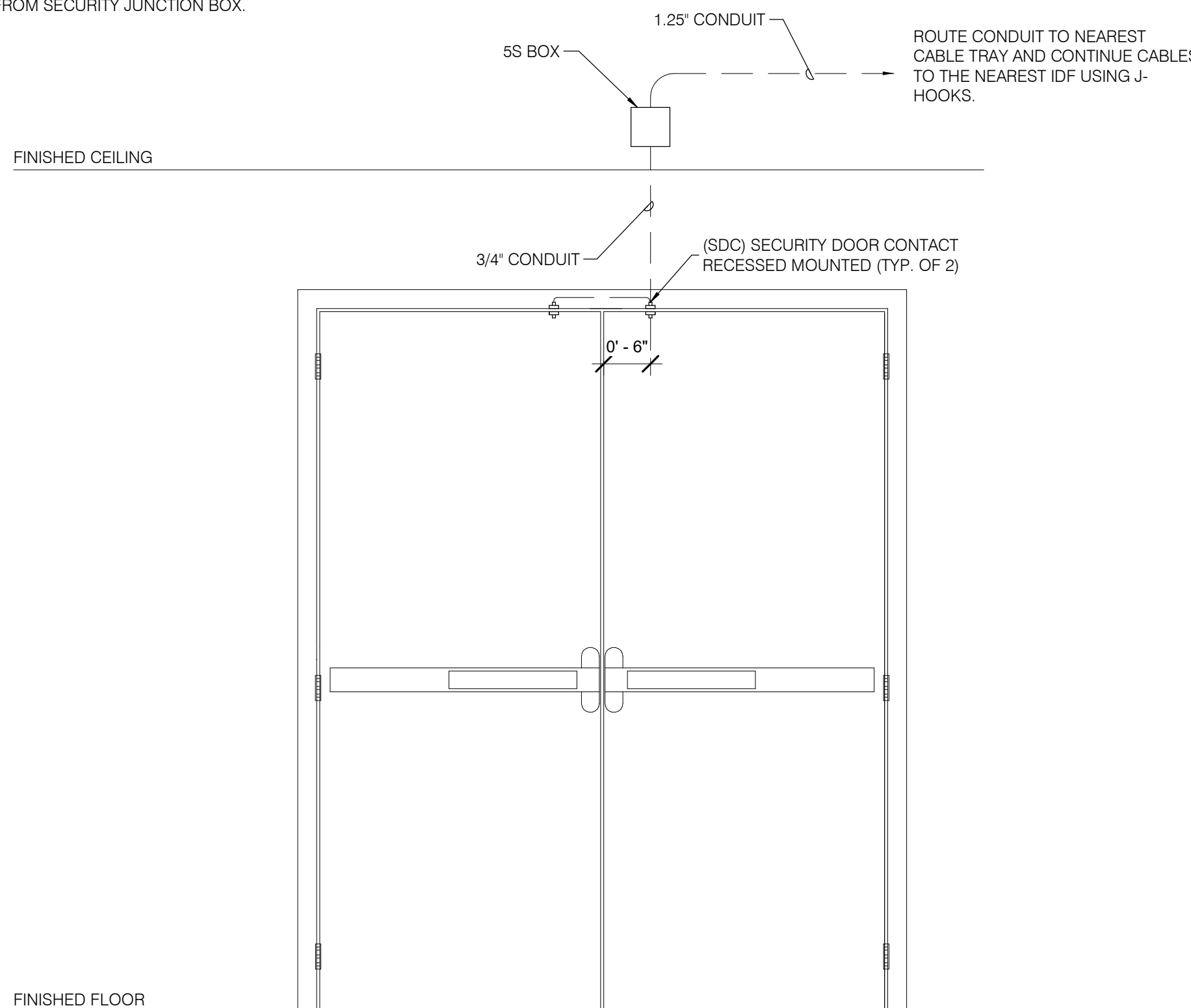
- COORDINATE LOCKING HARDWARE WITH HARDWARE PROVIDER UNDER OTHER SPECIFIC SECTIONS.
- VIEW IS SHOWN FROM SECURED SIDE OF PORTAL. ELECTRICAL CONDUIT, BOXES AND EQUIPMENT SHALL BE MOUNTED ON SECURED SIDE OF PORTAL, UNLESS OTHERWISE NOTED.
- DETAILS ARE FOR REFERENCE ONLY. SEE FLOOR PLANS FOR LEFT OR RIGHT HAND PLACEMENT OF DEVICES.
- PROVIDE E.O.L. RESISTOR AS REQUIRED OF SUPERVISED CIRCUIT.
- CONTRACTOR PROVIDE CONDUIT WITH PULL STRING TO EVERY DEVICE LOCATION FROM SECURITY JUNCTION BOX.



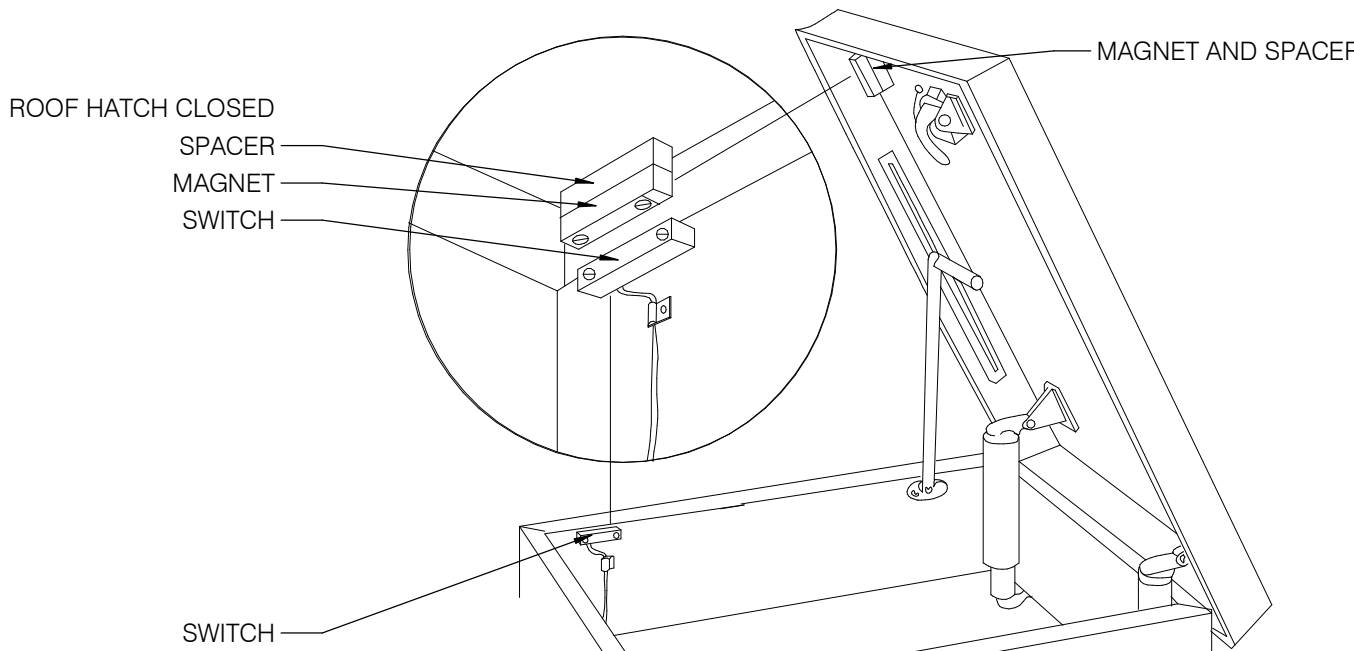
3 TYP. ACCESS CONTROLLED DOUBLE DOOR - WALL MOUNT READER  
SCALE: NONE

GENERAL NOTES:

- COORDINATE LOCKING HARDWARE WITH HARDWARE PROVIDER UNDER OTHER SPECIFIC SECTIONS.
- VIEW IS SHOWN FROM SECURED SIDE OF PORTAL. ELECTRICAL CONDUIT, BOXES AND EQUIPMENT SHALL BE MOUNTED ON SECURED SIDE OF PORTAL, UNLESS OTHERWISE NOTED.
- DETAILS ARE FOR REFERENCE ONLY. SEE FLOOR PLANS FOR LEFT OR RIGHT HAND PLACEMENT OF DEVICES.
- PROVIDE E.O.L. RESISTOR AS REQUIRED OF SUPERVISED CIRCUIT.
- CONTRACTOR PROVIDE CONDUIT WITH PULL STRINGS TO EVERY DEVICE LOCATION FROM SECURITY JUNCTION BOX.



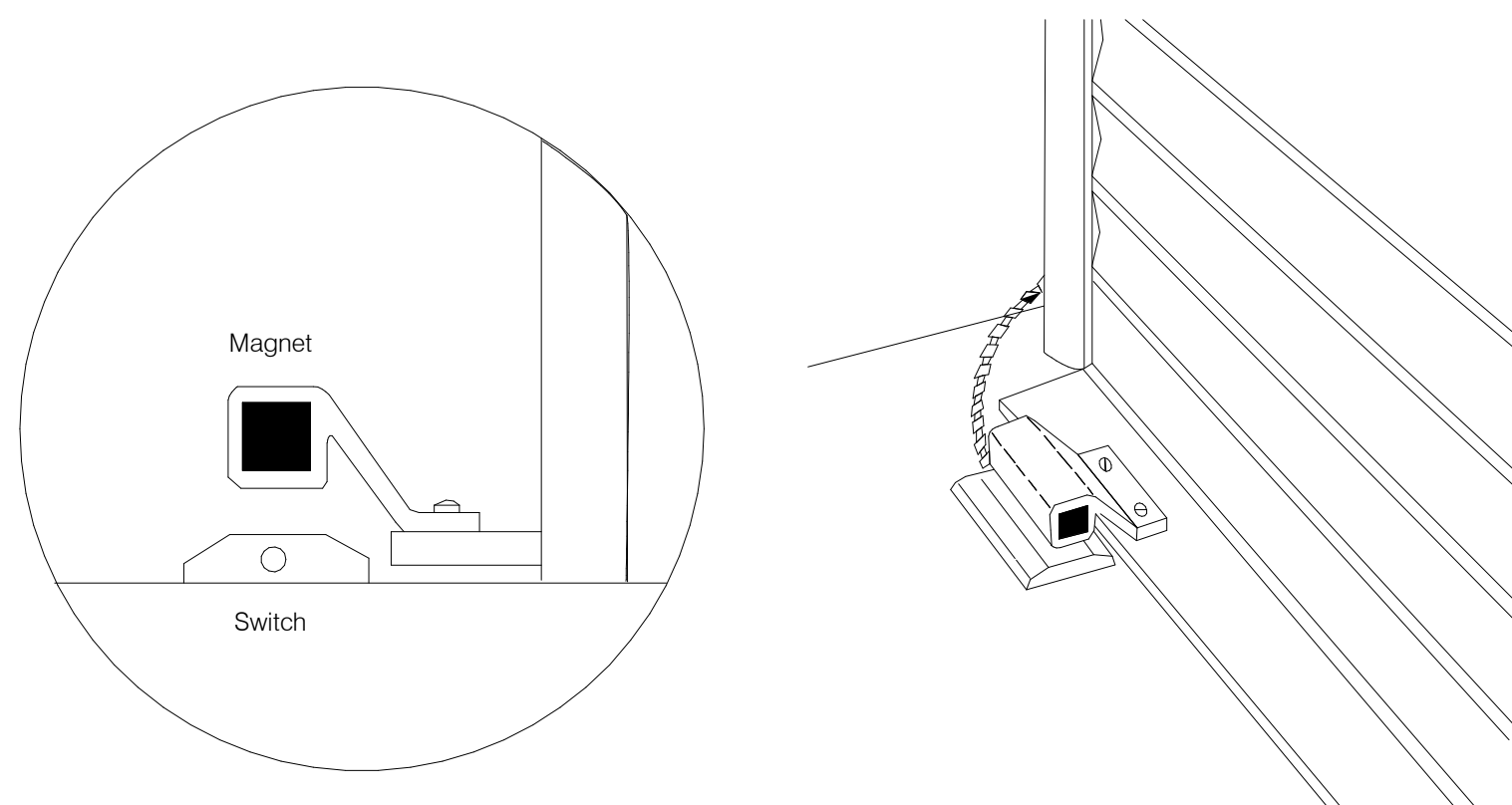
1 TYP. DOUBLE DOOR WITH DOOR CONTACTS  
SCALE: NONE



6 TYP. SECURITY CONTACT FOR ROOF HATCH  
SCALE: NONE

NOTES:

- USE MANUFACTURER RECOMMENDED BOLTS THROUGH THE STEEL DOOR TO MOUNT THE MAGNET.
- ALIGN THE SWITCH WITH THE MAGNET BEFORE SECURING.
- ROUTE CABLE THROUGH THE SECURITY CABINET IN ELECTRICAL ROOM 16102 AND TERMINATE AT THE INTRUSION DETECTION PANEL IN THE IDF 16104.



5 TYP. SECURITY CONTACT FOR OVERHEAD DOORS WITH LIP MOUNT  
SCALE: NONE