



# NEW 911 CENTER FOR UNION COUNTY

507 SHOE FACTORY RD, BLAIRSVILLE, GA 30512

12/06/2024



**HUSSEY GAY BELL**  
— Established 1958 —

3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096 / T: 770.923.1600  
SAVANNAH • ATLANTA • STATESBORO • COLUMBIA • CHARLESTON • NASHVILLE  
[www.husseygaybell.com](http://www.husseygaybell.com)

CONSTRUCTION DOCUMENT PACKAGE

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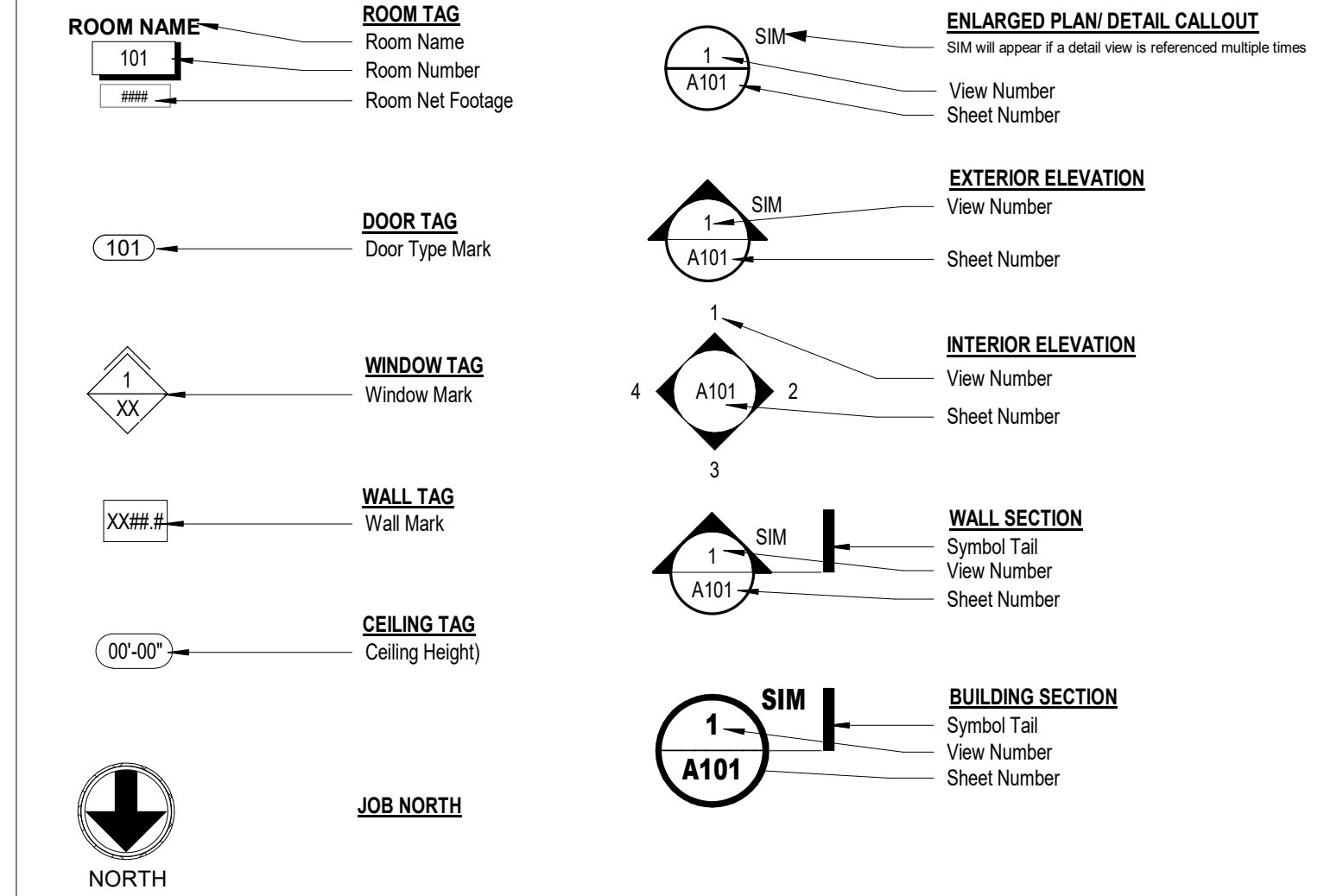


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*Established 1958*  
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SHT. NO.	DESCRIPTION
<b>General Set</b>	
G0.00	COVER SHEET
G0.01	INDEX SHEET
G1.10	BUILDING CODE SUMMARY
G1.11	LEVEL 01 - LIFE SAFETY PLAN
G1.21	UL DETAILS
G1.22	UL DETAILS
G1.23	UL DETAILS
<b>Civil Set</b>	
C0.00	COVER
C0.10	GENERAL NOTES & LEGEND
C0.20	EXISTING CONDITIONS
C0.30	SITE PLAN
C0.40	GRADING PLAN
C0.50	UTILITY PLAN
C0.60	SITE PROFILES
C0.70	EROSION CONTROL
C0.80	EROSION CONTROL DETAIL (1 OF 3)
C0.90	EROSION CONTROL DETAIL (2 OF 3)
C1.00	EROSION CONTROL DETAIL (3 OF 3)
C1.10	CONSTRUCTION DETAILS (1 OF 2)
C1.20	CONSTRUCTION DETAILS (2 OF 2)
C1.30	WATER AND SS DETAILS
<b>Structural Set</b>	
S0.01	STRUCTURAL GENERAL NOTES
S0.02	STRUCTURAL GENERAL NOTES
S1.01	OVERALL FOUNDATION PLAN
S1.02	FOUNDATION PLAN
S2.01	OVERALL FRAMING PLAN
S2.02	FLOOR FRAMING PLAN
S2.03	ROOF FRAMING PLAN
S3.01	TYPICAL FOUNDATION DETAILS
S3.02	FOUNDATION DETAILS
S3.03	FOUNDATION DETAILS
S4.01	SECTIONS & DETAILS
S4.02	SECTIONS & DETAILS
S5.01	TYPICAL STEEL DETAILS
S5.02	TYPICAL JOIST DETAILS
S5.03	COMPOSITE STEEL TYPICAL DETAILS
S6.01	TYPICAL CMU DETAILS
<b>Architecture Set</b>	
A0.01	ARCHITECTURAL SITE PLAN
A0.21	WALL TYPES AND CODES
A0.31	WALL TYPE PLAN - LEVEL 01, LEVEL 02
A1.11	DIMENSION/REFERENCE PLAN - LEVEL 01, LEVEL 02
A1.21	ROOF PLAN
A1.31	ROOF DETAILS
A1.32	ROOF DETAILS
A2.01	BUILDING ELEVATIONS
A3.01	ENLARGED FLOOR PLANS - TOILET
A3.02	ENLARGED FLOOR PLANS - EXTERIOR STAIR
A3.03	ENLARGED FLOOR PLANS - ELEVATOR
A3.04	ENLARGED FLOOR PLANS

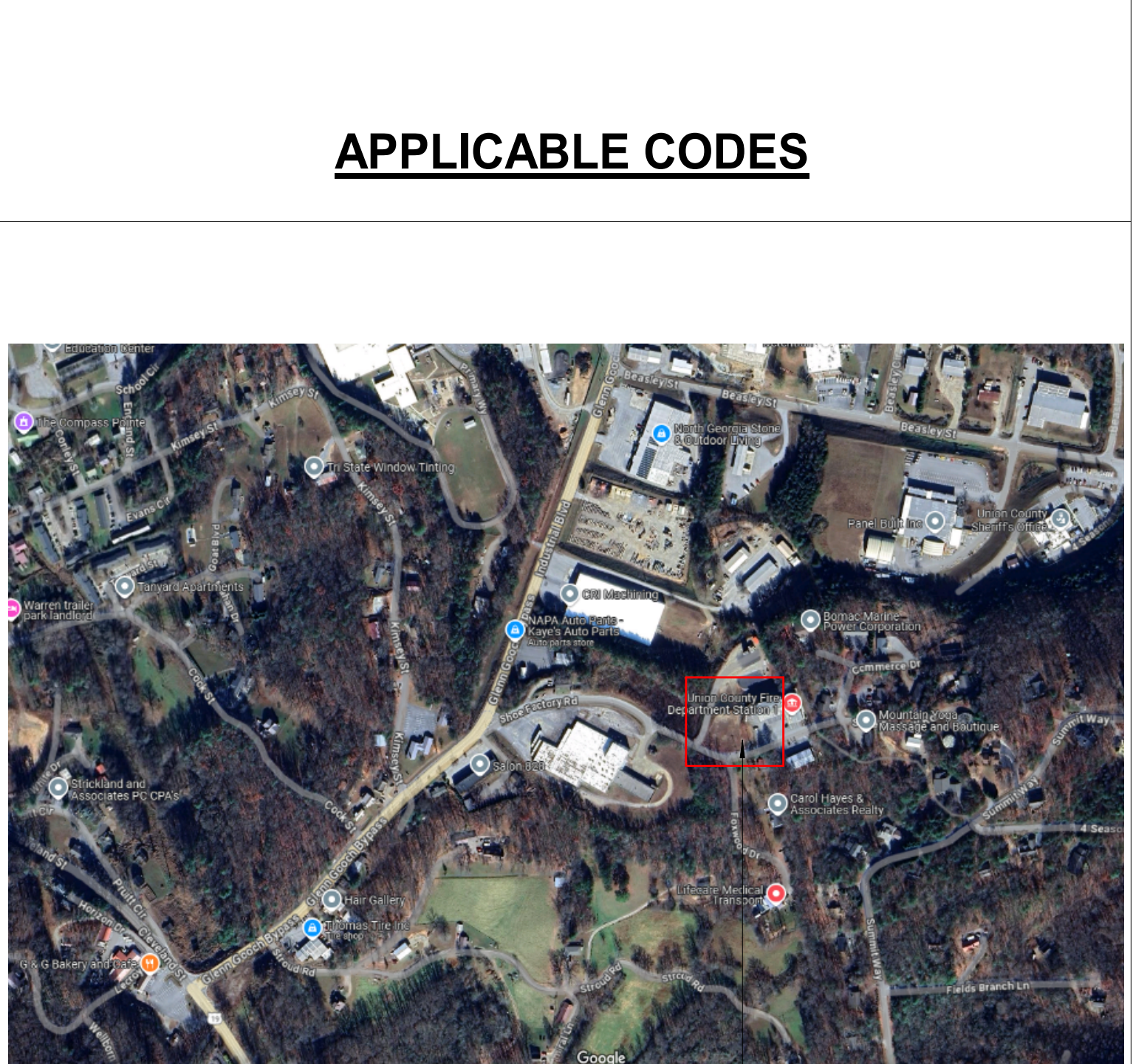
SHT. NO.	DESCRIPTION
<b>PLAN DETAILS</b>	
A3.11	PLAN DETAILS
A4.01	OVERALL BUILDING SECTIONS
A5.11	WALL SECTIONS
A5.12	WALL SECTIONS
A5.13	WALL SECTIONS
A5.14	WALL SECTIONS
A5.15	WALL SECTIONS
A5.16	WALL SECTIONS
A5.17	WALL SECTIONS
A5.21	ENLARGED SECTIONS AND DETAILS
A5.22	ENLARGED SECTIONS AND DETAILS
A5.23	ENLARGED SECTIONS AND DETAILS
A5.24	ENLARGED SECTIONS AND DETAILS
A6.11	DOOR SCHEDULE
A6.21	DOOR AND WINDOW DETAILS
A7.11	INTERIOR ELEVATIONS
A7.21	INTERIOR ELEVATION DETAILS
A8.01	REFLECTED CEILING PLAN
A8.11	FINISH FLOOR PLAN AND FINISH SCHEDULE
<b>Plumbing set</b>	
P0.01	PLUMBING LEGEND & SCHEDULES
P1.01	DRAINAGE & VENT PLANS
P1.02	HOT & COLD WATER PLANS
P2.01	PLUMBING RISER DIAGRAMS
<b>Fire Protection Set</b>	
FP0.00	FIRE PROTECTION GENERAL NOTES
<b>Mechanical Set</b>	
M0.01	MECHANICAL LEGEND & SCHEDULES
M1.01	MECHANICAL PLANS
M2.01	MECHANICAL SECTIONS
M3.01	MECHANICAL DETAILS
<b>Electrical Set</b>	
E0.01	ELECTRICAL LEGEND & DETAILS
E0.02	LIGHTING DETAILS
E0.03	ELECTRICAL DETAILS
E0.04	ELECTRICAL SITE PLAN
E0.05	LIGHTING PROTECTION PLAN
E1.01	FLOOR PLAN - LIGHTING
E2.01	FLOOR PLAN - POWER
E3.01	FLOOR PLAN - MECHANICAL POWER
E4.01	FLOOR PLAN - FIRE ALARM SYSTEM
E5.01	POWER RISER DIAGRAM & DETAILS
E5.02	PANELBOARD SCHEDULES
<b>Telecommunications Set</b>	
T0.01	TELECOMMUNICATIONS LEGEND & DETAILS
T0.02	TELECOMMUNICATIONS DETAILS
T1.01	FLOOR PLAN - TELECOMMUNICATION SYSTEMS

A	E	I	P	T
AC	EA	IN	PART	T
ACCU	ED	INSUL	PC	TB
ACT	EEW	INT	PEJ	TC
ADA	EF		PFB	TD
ADJ	EFS	J	PL	TDR
AFF	EJ	JAN	PLAM	TEMP
AFG	EAC	JANITOR	PLST	TERR
ALFG	ELEC	JOINT	PLUMB	T&G
ALT	ELEV		PLY	THD
ALUM	EMER	K	PLUMB / MECH / ELEC	THRU
ANOD	EQ	KIT	PNL	TLT
APC	ESB		PNT	TOC
APPROX	ESP		PAIR	TOCMU
ARCH	ETR	L	PR	TOP
ATTEN	EW	LAB	PREFAB	TOP OF CONCRETE
AV	EW	LABORATORY	PREMAN	TOP OF CONCRETE MASONRY UNIT
AWW	EXIST	LAMINATE	PSI	TOP OF FOOTING
	EXP	LAVATORY	PT	TOP OF PAVEMENT
	EXT	ELECTRIC WATER COOLER	STD	TOP OF TOPL
		EXISTING	PVC	TOS
		EXPANSION		TOW
		EXTERIOR		TPD
				TR
				TS
				TV
				TWAC
				TWS
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				WHG
				WLD
				WNG
				W/O
				WP
				WSCT
				WT
				WWF
				X
				XPMR
				Y
				YR(S)



PROJECT ADDRESS:	507 SHOE FACTORY RD, BLAIRSVILLE, GA 30512	
OCCUPANCY GROUP :	B, S-2	
TYPE OF CONSTRUCTION :	NFPA = TYPE I (000), IBC = TYPE IIB	
SPRINKLERED :	NO	
NUMBER OF STORIES :	2 STORY	
BUILDING HEIGHT :	36'-0"	
BUILDING CODE HEIGHT LIMIT :	75'-0"	
PROJECT NUMBER :	624 1109 01	
BUILDING AREA:	LEVEL 1	3,171 SF GROSS
	LEVEL 2	4,187 SF GROSS
	<b>TOTAL</b>	<b>7,358 SF GROSS</b>

- INTERNATIONAL BUILDING CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS (2020), (2022), (2024)
- INTERNATIONAL FIRE CODE, 2018 EDITION WITH GEORGIA MODIFICATIONS
- INTERNATIONAL PLUMBING CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS (2020), (2022), (2023), (2024)
- INTERNATIONAL MECHANICAL CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS (2020), (2024)
- INTERNATIONAL FUEL GAS CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS (2020), (2022)
- NATIONAL ELECTRICAL CODE, 2020 EDITION WITH GEORGIA AMENDMENTS (2021)
- INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, WITH GEORGIA SUPPLEMENTS AND AMENDMENTS (2020), (2022), (2023)
- NFPA 101 LIFE SAFETY CODE, 2018 EDITION WITH GEORGIA MODIFICATIONS
- ADA STANDARDS FOR ACCESSIBLE DESIGN, 2010 EDITION



**STANDARD ABBREVIATIONS**

**PROJECT DATA**

**VICINITY MAP**

DESIGNED	DRAWN	CHECKED
CC	YL	CC SN

DATE:	12/06/2024
JOB NO.	624 1109 01

**NEW 911 CENTER FOR UNION COUNTY**  
 UNION COUNTY  
 507 SHOE FACTORY RD, BLAIRSVILLE, GA 30512  
**INDEX SHEET**

DRAWING NUMBER  
**G0.01**



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REVISIONS:	

DESIGNED	DRAWN	CHECKED
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**NEW 911 CENTER FOR UNION COUNTY**  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**BUILDING CODE SUMMARY**

DRAWING NUMBER  
**G1.10**

BUILDING CODE - PROJECT NAME																																																																																																																																																																																																		
LIFE SAFETY CODE (NFPA 101) OCCUPANCY CLASSIFICATION	INTERNATIONAL BUILDING CODE OCCUPANCY CLASSIFICATION	PLUMBING FIXTURE COUNT																																																																																																																																																																																																
CHAPTER 38 CHAPTER 42 NEW BUSINESS OCCUPANCY NEW STORAGE OCCUPANCY	CHAPTER 3 SEPARATED MIXED USE OCCUPANCIES BUSINESS GROUP B STORAGE GROUP S-2	CHAPTER 6: PLUMBING SYSTEMS (TABLE 2902.1)  <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>FIXTURE TYPE</th> <th>REQUIRED</th> <th>PROVIDED</th> </tr> <tr> <td>BUSINESS (28 AT LEVEL 1) (12 AT LEVEL 2)</td> <td>WATERCLOSET 1 PER 25 (1 PER 50 AFTER 50) = 2  LAVATORY 1 PER 40 (1 PER 80 AFTER 80) = 1  DRINKING FOUNTAIN 1 PER 100 = 1  SERVICE SINK NOT REQUIRED PER THE IBC 2020 AMENDMENTS = 0</td> <td>= 3  = 4  = 1  = 0</td> </tr> <tr> <td>STORAGE (5 AT LEVEL 1) (18 AT LEVEL 2)</td> <td>WATERCLOSET 1 PER 100 = 1  LAVATORY 1 PER 100 = 1  DRINKING FOUNTAIN 1 PER 100 = 1  SERVICE SINK NOT REQUIRED PER THE IBC 2020 AMENDMENTS = 1</td> <td>= 2  = 2  = 1  = 1</td> </tr> <tr> <td><b>TOTAL</b></td> <td><b>FIXTURE TYPE</b> WATERCLOSET = 3 LAVATORY = 2 DRINKING FOUNTAIN = 2 SERVICE SINK = 1</td> <td><b>PROVIDED</b> = 5 = 6 = 2 = 1</td> </tr> </table>	FIXTURE TYPE	REQUIRED	PROVIDED	BUSINESS (28 AT LEVEL 1) (12 AT LEVEL 2)	WATERCLOSET 1 PER 25 (1 PER 50 AFTER 50) = 2  LAVATORY 1 PER 40 (1 PER 80 AFTER 80) = 1  DRINKING FOUNTAIN 1 PER 100 = 1  SERVICE SINK NOT REQUIRED PER THE IBC 2020 AMENDMENTS = 0	= 3  = 4  = 1  = 0	STORAGE (5 AT LEVEL 1) (18 AT LEVEL 2)	WATERCLOSET 1 PER 100 = 1  LAVATORY 1 PER 100 = 1  DRINKING FOUNTAIN 1 PER 100 = 1  SERVICE SINK NOT REQUIRED PER THE IBC 2020 AMENDMENTS = 1	= 2  = 2  = 1  = 1	<b>TOTAL</b>	<b>FIXTURE TYPE</b> WATERCLOSET = 3 LAVATORY = 2 DRINKING FOUNTAIN = 2 SERVICE SINK = 1	<b>PROVIDED</b> = 5 = 6 = 2 = 1																																																																																																																																																																																				
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CLASSIFICATION OF HAZARDS CONTENT (NFPA 101 38.1.5 & 42.1.5): ASSEMBLY = ORDINARY HAZARD AUTOMATIC SPRINKLER SYSTEM (NFPA13): ASSEMBLY = YES CONSTRUCTION TYPE (NFPA 220): ASSEMBLY = TYPE V (000)																																																																																																																																																																																																		
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CHAPTER 7 TABLE 7.3.1.2 OCCUPANT LOAD FACTOR (SEE LIFE SAFETY PLANS)																																																																																																																																																																																																		
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			PROBATE	122.08 SF	1																																																																																																																																																																																													
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			Grand total	4781.23 SF	82 PERSONS																																																																																																																																																																																													
BUILDING HEIGHT AND AREA LIMITATIONS																																																																																																																																																																																																		
IBC CONSTRUCTION TYPE = TYPE IIB GENERAL BUILDING HEIGHT & AREA LIMITATIONS FOR TYPE (SECTION 503): BUILDING (B): NUMBER OF STORIES ALLOWED: 4 (ACTUAL = 2 STORY) AREA PER FLOOR ALLOWED: 69,000 SF (ACTUAL = 36' - 0") MAXIMUM HEIGHT ALLOWED: 75'-0" (ACTUAL = 36' - 0") STORAGE (S-2): NUMBER OF STORIES ALLOWED: 4 (ACTUAL = 2 STORY) AREA PER FLOOR ALLOWED: 78,000 SF (ACTUAL = 36' - 0") MAXIMUM HEIGHT ALLOWED: 75'-0" (ACTUAL = 36' - 0") LEVEL 1: 3,171 SF GROSS LEVEL 2: 4,187 SF GROSS TOTAL BUILDING AREA: 7,358 SF GROSS																																																																																																																																																																																																		
CONSTRUCTION TYPE CLASSIFICATION																																																																																																																																																																																																		
CHAPTER 6: TYPES OF CONSTRUCTION (SECTION 602.5 AND TABLE 601)																																																																																																																																																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="10">TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)</th> </tr> <tr> <th rowspan="2">BUILDING ELEMENT</th> <th colspan="2">TYPE I</th> <th colspan="2">TYPE II</th> <th colspan="2">TYPE III</th> <th colspan="2">TYPE IV</th> <th colspan="2">TYPE V</th> </tr> <tr> <th>A</th> <th>B</th> <th>A</th> <th>B</th> <th>A</th> <th>B</th> <th>HT</th> <th>A</th> <th>B</th> </tr> <tr> <td>Primary structural frame<sup>a</sup> (see Section 202)</td> <td>3<sup>1/2</sup></td> <td>2<sup>1/2</sup></td> <td>1<sup>1/2</sup></td> <td>0</td> <td>1<sup>1/2</sup></td> <td>0</td> <td>HT</td> <td>1<sup>1/2</sup></td> <td>0</td> <td>0</td> </tr> <tr> <td>Bearing walls</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Exterior<sup>c, f</sup></td> <td>3</td> <td>2</td> <td>1</td> <td>0</td> <td>2</td> <td>2</td> <td>2</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>Interior</td> <td>3<sup>1/2</sup></td> <td>2<sup>1/2</sup></td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>1/HT</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>Nonbearing walls and partitions</td> <td colspan="10">See Table 602</td> </tr> <tr> <td>Exterior</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Nonbearing walls and partitions</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Interior<sup>g</sup></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>See Section 2304.11.2</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Floor construction and associated secondary members (see Section 202)</td> <td>2</td> <td>2</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>HT</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>Roof construction and associated secondary members (see Section 202)</td> <td>1<sup>1/2</sup><sup>h</sup></td> <td>1<sup>1/2</sup></td> <td>1<sup>1/2</sup></td> <td>0<sup>i</sup></td> <td>1<sup>1/2</sup></td> <td>0</td> <td>HT</td> <td>1<sup>1/2</sup></td> <td>0</td> <td>0</td> </tr> </table>			TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)										BUILDING ELEMENT	TYPE I		TYPE II		TYPE III		TYPE IV		TYPE V		A	B	A	B	A	B	HT	A	B	Primary structural frame <sup>a</sup> (see Section 202)	3 <sup>1/2</sup>	2 <sup>1/2</sup>	1 <sup>1/2</sup>	0	1 <sup>1/2</sup>	0	HT	1 <sup>1/2</sup>	0	0	Bearing walls											Exterior <sup>c, f</sup>	3	2	1	0	2	2	2	1	0	0	Interior	3 <sup>1/2</sup>	2 <sup>1/2</sup>	1	0	1	0	1/HT	1	0	0	Nonbearing walls and partitions	See Table 602										Exterior											Nonbearing walls and partitions											Interior <sup>g</sup>	0	0	0	0	0	0	See Section 2304.11.2	0	0	0	Floor construction and associated secondary members (see Section 202)	2	2	1	0	1	0	HT	1	0	0	Roof construction and associated secondary members (see Section 202)	1 <sup>1/2</sup> <sup>h</sup>	1 <sup>1/2</sup>	1 <sup>1/2</sup>	0 <sup>i</sup>	1 <sup>1/2</sup>	0	HT	1 <sup>1/2</sup>	0	0																																																				
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GENERAL FIRE MARSHAL NOTES																																																																																																																																																																																																		
<p><b>GENERAL NOTES</b></p> <ol style="list-style-type: none"> <li>FIRE ALARM CONTRACTOR SHALL OBTAIN A FIRE ALARM SYSTEM PERMIT FROM THE AHJ FIRE MARSHAL'S OFFICE PRIOR TO INSTALLATION. ANY FIRE ALARM PLANS INCLUDED IN THIS SET OF PLANS ARE FOR REFERENCE ONLY. NOT FOR PERMIT.</li> <li>INSULATING MATERIALS SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 AS DETERMINED IN ACCORDANCE WITH ASTM E 84.</li> <li>CONTRACTOR SHALL PERMANENTLY IDENTIFY ALL FIRE-RESISTANT-RATED WALLS INCLUDING FIRE BARRIER WALLS, SMOKE BARRIER WALLS, FIRE PARTITIONS, FIRE WALLS, AND SHAFT ENCLOSURES EITHER BY INSTALLING SIGNS OR BY STENCILING IN CONCEALED SPACES THE FOLLOWING: "____ HOUR FIRE AND SMOKE BARRIER ____ PROTECT ALL OPENINGS." IDENTIFICATION SHALL BE SPACED NO MORE THAN TWELVE (12) FEET ON CENTER WITH A MINIMUM LETTER SIZE OF TWO (2) INCHES IN HEIGHT ON A CONTRASTING BACKGROUND.</li> <li>EXIT DOORS SHALL NOT BE SUBJECT TO THE USE OF A KEY OR REQUIRE SPECIAL KNOWLEDGE TO OPERATE PER NFPA 101 LIFE SAFETY CODE, 2000 EDITION, CHAPTER 7-2.1.5.1.</li> <li>ALL DUCT DETECTORS TO BE TIED INTO FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72.</li> </ol>																																																																																																																																																																																																		
NFPA 101 FIRE RATED COMPONENTS																																																																																																																																																																																																		
CHAPTER 8																																																																																																																																																																																																		
HAZARDOUS MATERIALS 38.2.11.3:	WHERE HAZARDOUS MATERIALS ARE STORED, USED, OR HANDLED, THE PROVISIONS OF 7.12.2 SHALL APPLY.																																																																																																																																																																																																	
PROTECTION FROM HAZARDS 38.3.2.1:	HAZARDOUS AREAS INCLUDING, BUT NOT LIMITED TO, AREAS USED FOR GENERAL STORAGE, BOILER OR FURNACE ROOMS, AND MAINTENANCE SHOPS THAT INCLUDE WOODWORKING AND PAINTING AREAS SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 8.7.																																																																																																																																																																																																	
HAZARDOUS MATERIALS 42.2.11.3:	WHERE HAZARDOUS MATERIALS ARE PRESENT, THE PROVISIONS OF 7.12.2 SHALL APPLY.																																																																																																																																																																																																	
PROTECTION FROM HAZARDS 42.3.2:	WHERE HAZARDOUS MATERIALS ARE STORED, USED, OR HANDLED, THE PROVISIONS OF 8.7.3.1 SHALL APPLY.																																																																																																																																																																																																	
BUSINESS - CORRIDORS, 38.3.6.1: EXCEPTION 2 - WITHIN A SPACE OCCUPIED BY A SINGLE TENANT																																																																																																																																																																																																		
STORAGE - CORRIDORS, 42.3.6: THE PROVISIONS OF 7.1.3.1 SHALL NOT APPLY																																																																																																																																																																																																		
BUSINESS - STORAGE, 8.1.14.4.1: WHERE SEPARATED OCCUPANCIES ARE PROVIDED, EACH PART OF THE BUILDING COMPRISING A DISTINCT OCCUPANCY, AS DESCRIBED IN THIS CHAPTER, SHALL BE COMPLETELY SEPARATED FROM OTHER OCCUPANCIES BY FIRE BARRIERS, AS SPECIFIED IN TABLE 8.1.14.4.1(a), TABLE 8.1.14.4.1(b), AND 8.1.14.4.2 THROUGH 8.1.14.4.4, UNLESS SEPARATION IS PROVIDED BY APPROVED EXISTING SEPARATIONS OR AS OTHERWISE PERMITTED BY 8.1.14.4.6.																																																																																																																																																																																																		
CONSTRUCTION TYPE (NFPA 220 CHAPTER 4): FIRE RESISTANCE RATING FOR TYPE IIB (000) CONSTRUCTION (HR) (NFPA 220, TABLE 4.1.1.)																																																																																																																																																																																																		
CONSTRUCTION ELEMENT	HOURLY RATING REQUIREMENT	DESIGN REFERENCE																																																																																																																																																																																																
EXTERIOR BEARING WALLS	0 HR <sup>1</sup>	N/A																																																																																																																																																																																																
INTERIOR BEARING WALLS	0 HR	N/A																																																																																																																																																																																																
COLUMNS	0 HR	N/A																																																																																																																																																																																																
BEAMS, GIRDERS, TRUSSES & ARCHES	0 HR	N/A																																																																																																																																																																																																
FLOOR CEILING ASSEMBLIES	0 HR	N/A																																																																																																																																																																																																
ROOF CEILING ASSEMBLIES	0 HR	N/A																																																																																																																																																																																																
INTERIOR NONBEARING WALLS	0 HR	N/A																																																																																																																																																																																																
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• Authorities having jurisdiction should be consulted before construction.
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• Only products which bear the Mark are considered Certified.

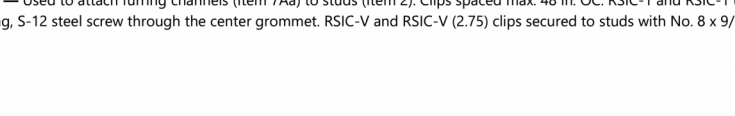
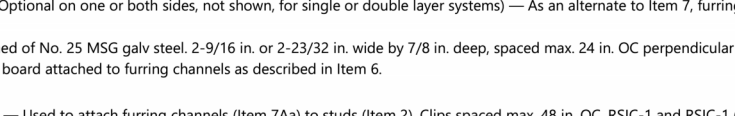
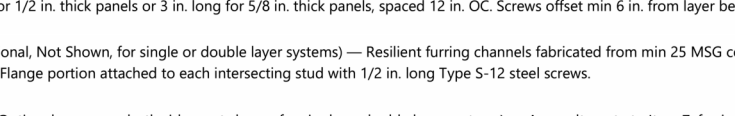
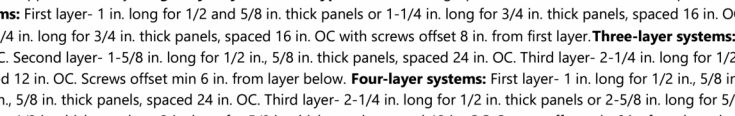
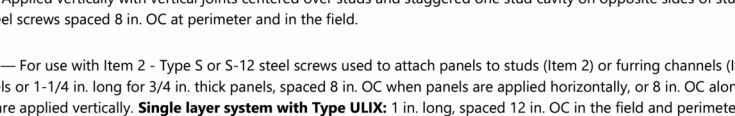
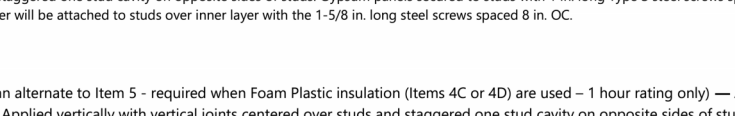
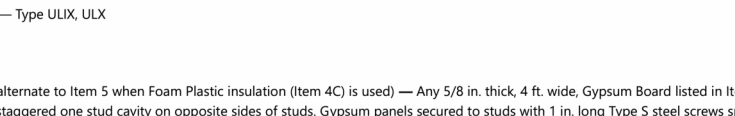
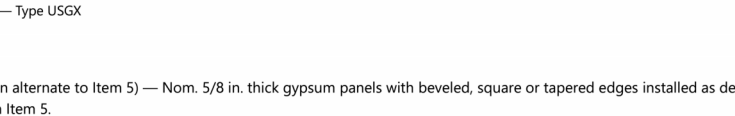
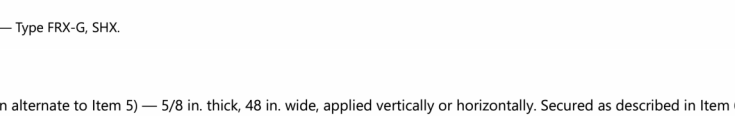
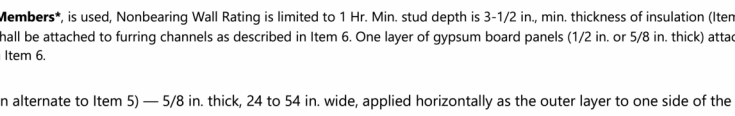
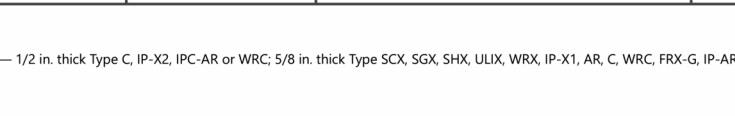
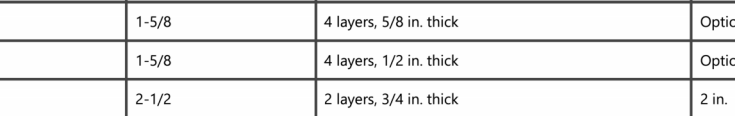
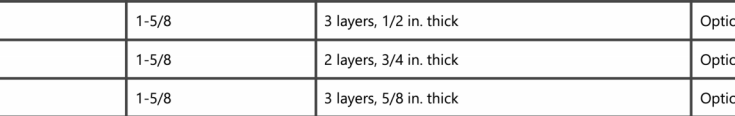
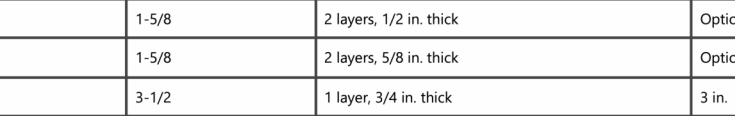
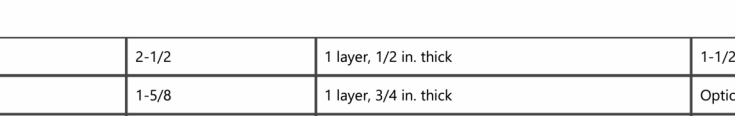
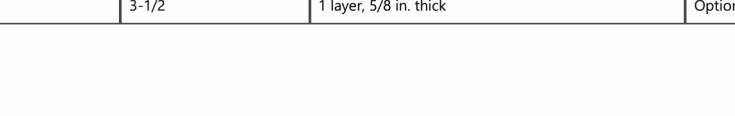
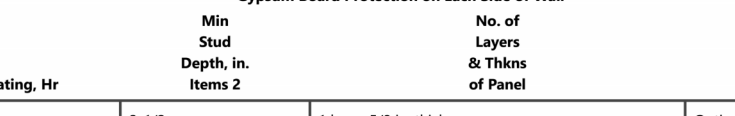
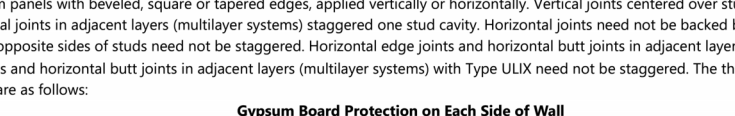
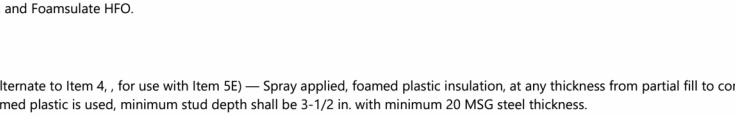
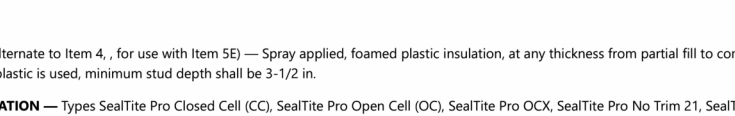
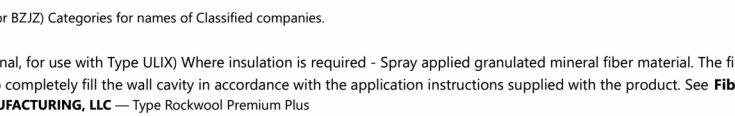
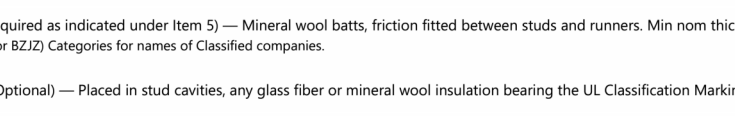
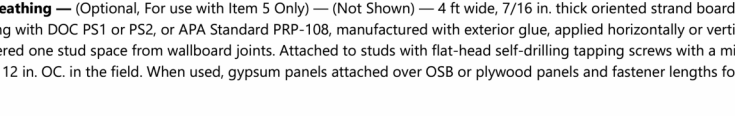
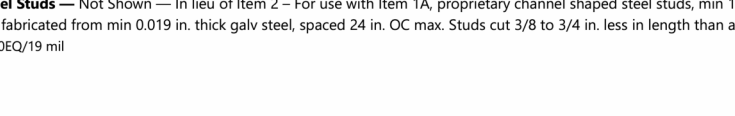
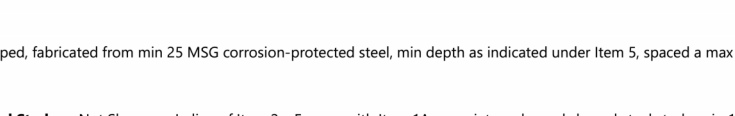
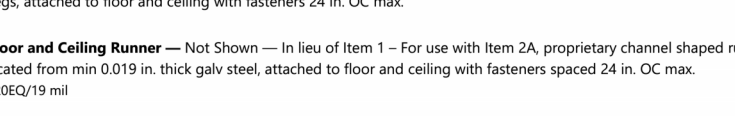
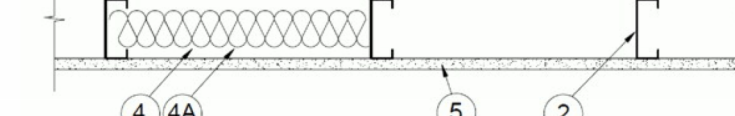
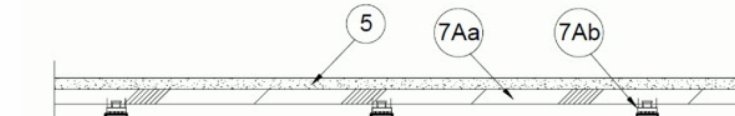
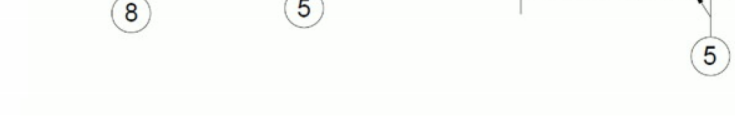
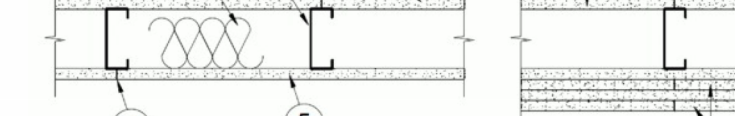
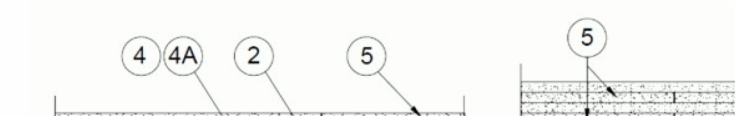
BCUV - Fire Resistance Ratings - ANSULV 263 Certified for United States
BCUV7 - Fire Resistance Ratings - CANULC-5101 Certified for Canada

See General Information for the Resistance Ratings, ANSULV-263 Certified for United States
Design Class and Alternate Materials
Design Class and Alternate Materials

Design No. U4103

June 14, 2024

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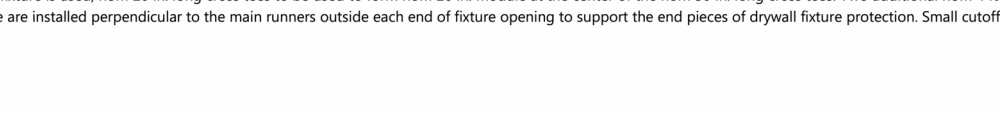
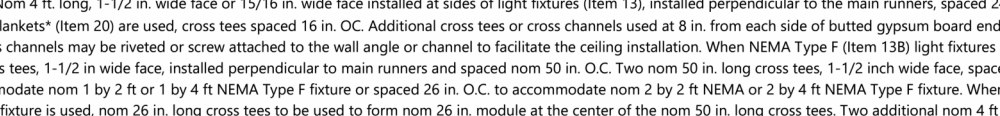
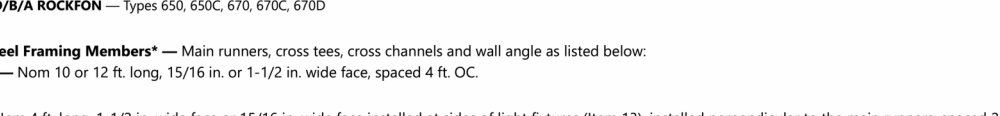
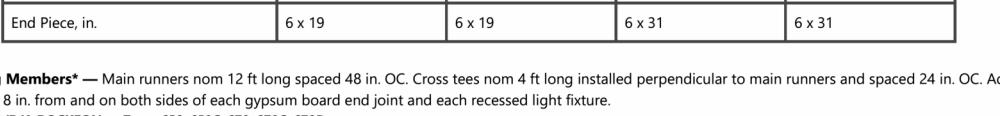
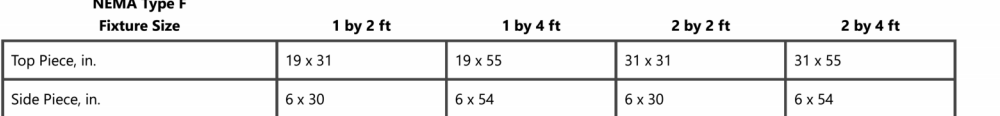
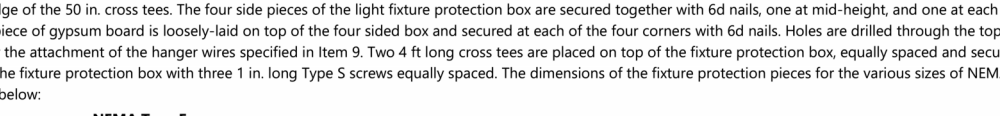
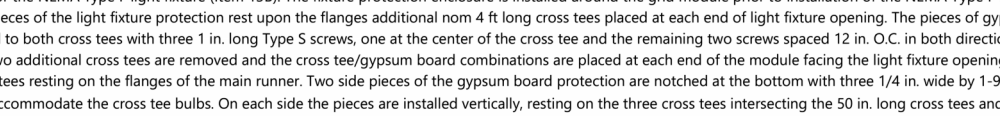
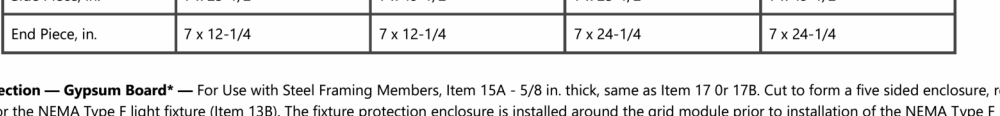
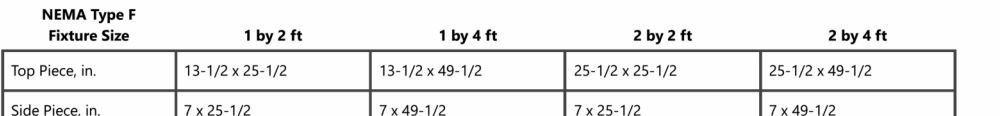
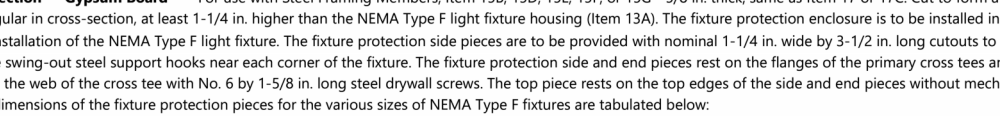
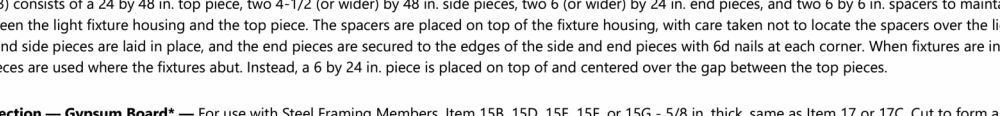
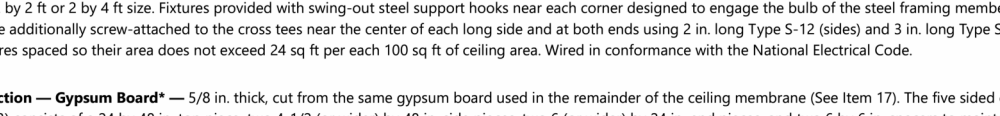
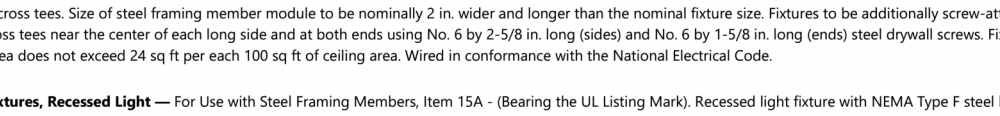
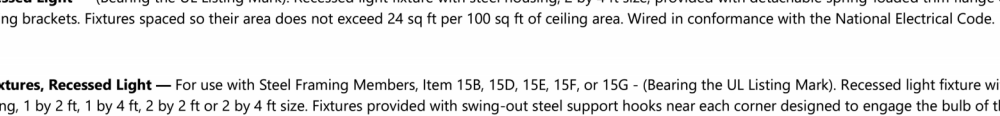
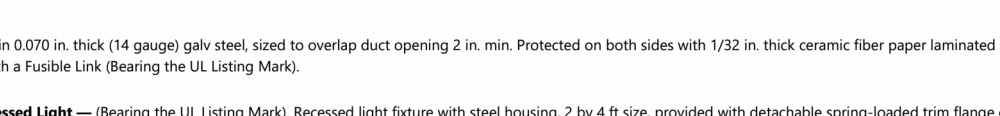
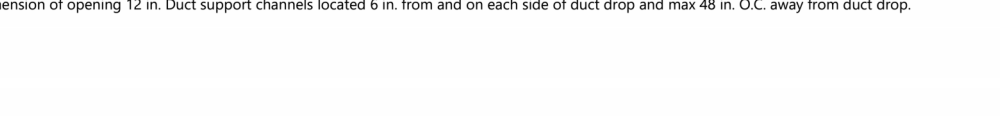
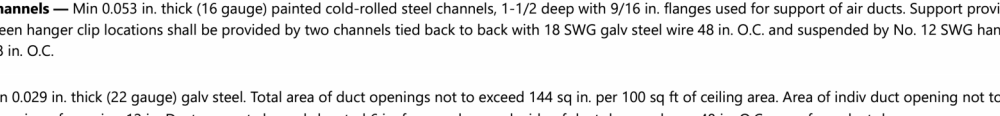
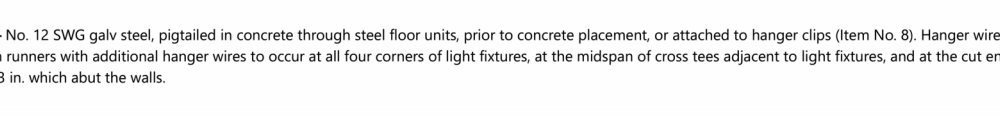
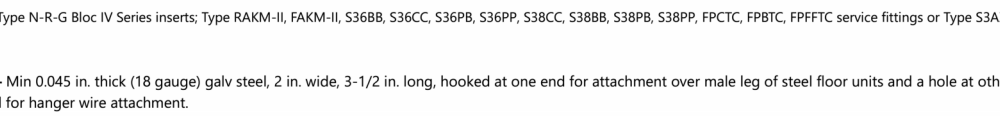
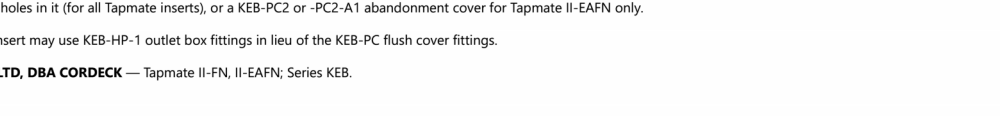
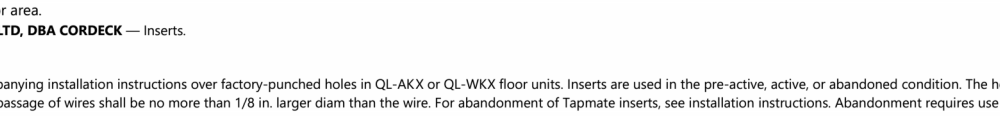
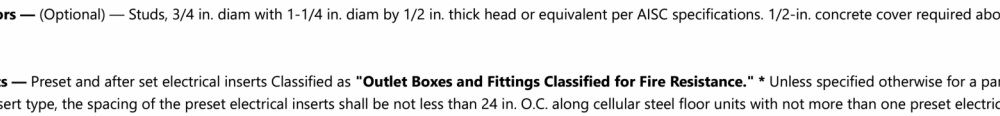
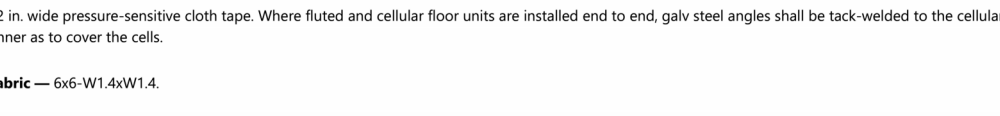
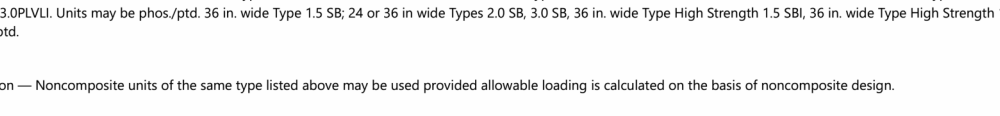
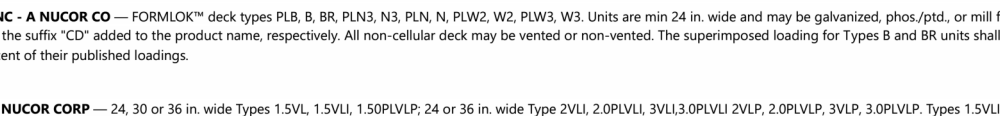
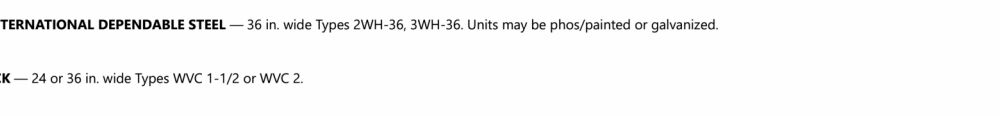
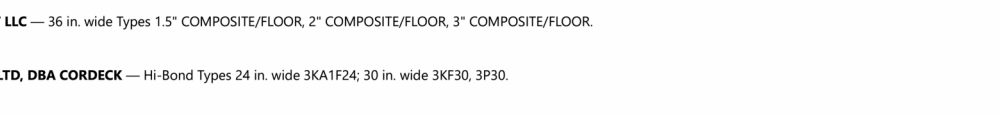
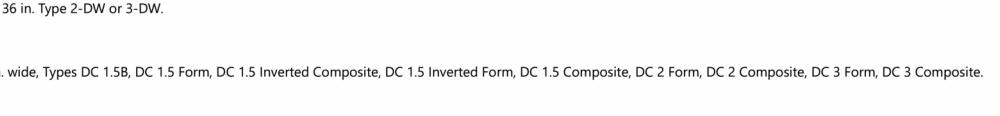
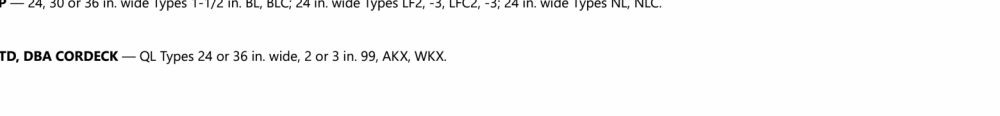
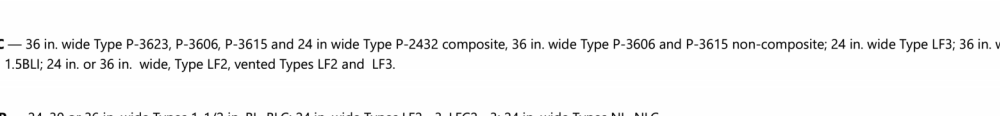
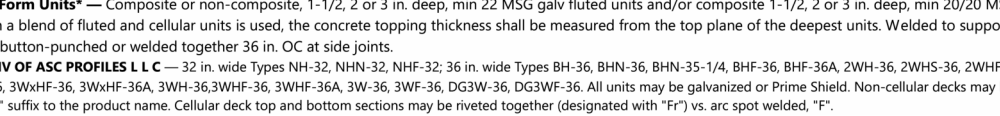
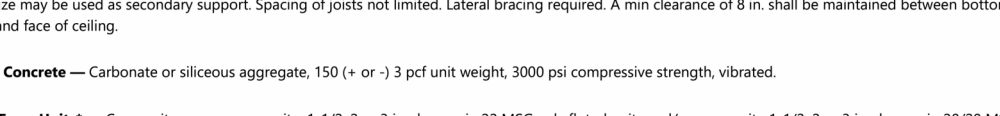
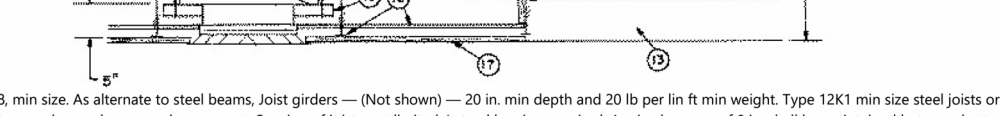
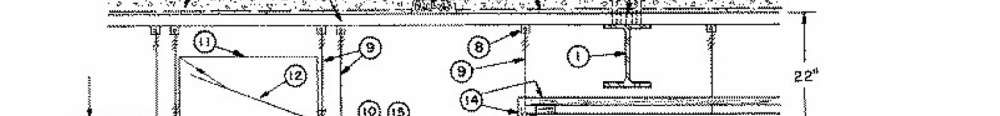
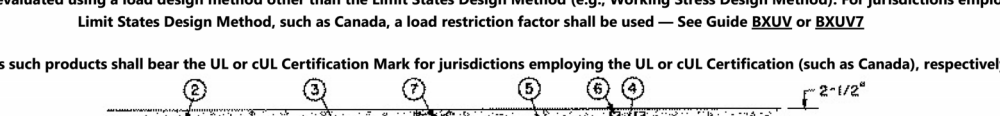
BCUV - Fire Resistance Ratings - ANSULV 263 Certified for United States
BCUV7 - Fire Resistance Ratings - CANULC-5101 Certified for Canada

See General Information for the Resistance Ratings, ANSULV-263 Certified for United States
Design Class and Alternate Materials
Design Class and Alternate Materials

Design No. D502

August 01, 2024

\* Indicates each product shall bear the UL or UL-Certification Mark for jurisdictions employing the UL or UL-Certification (such as Canada), respectively.



START UL DETAIL U-103

UL Product IQ™

Design/System/Construction/Assembly Usage Disclaimer

- Authorities having jurisdiction should be consulted for all cases as the particular requirements covering the installation and use of UL Certified products, equipment, systems, devices, and materials.
• Authorities having jurisdiction should be consulted before construction.
• The resistance assemblies and products are developed by the design submitter and have been investigated by us for compliance with applicable requirements. The published information cannot address every construction nuance encountered in the field.
• When field issues arise, it is recommended the field contact the technical service provided by the product manufacturer under the design. Users of the resistance assemblies are advised to consult the general Guide Information for each product category and each of the products. The Guide Information includes specific covering alternate materials and alternate methods of construction.
• Only products which bear the Mark are considered Certified.

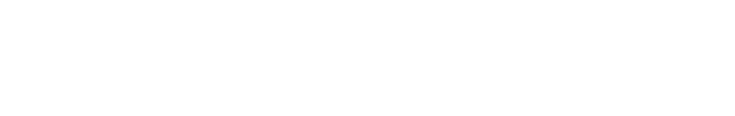
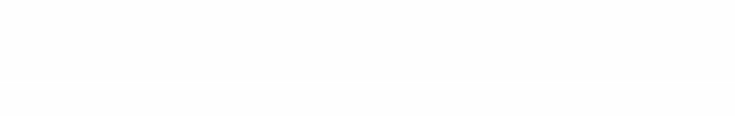
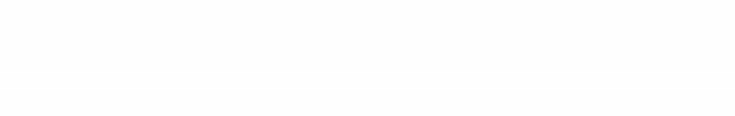
BCUV - Fire Resistance Ratings - ANSULV 263 Certified for United States
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Design Class and Alternate Materials
Design Class and Alternate Materials

Design No. U4103

June 14, 2024

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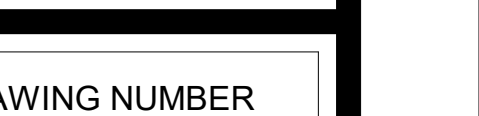
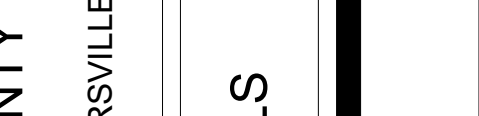
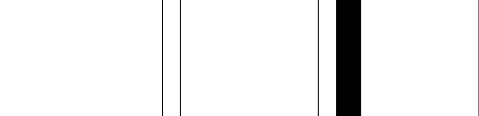
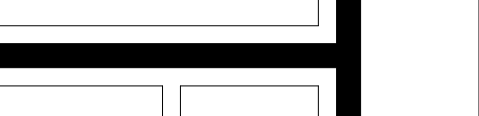
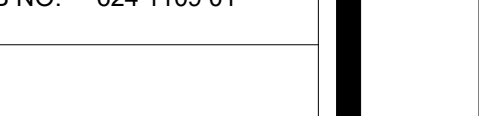
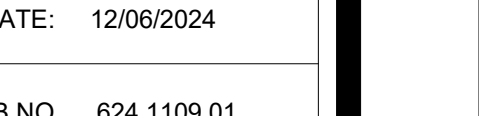
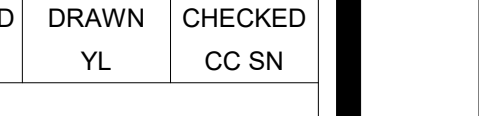
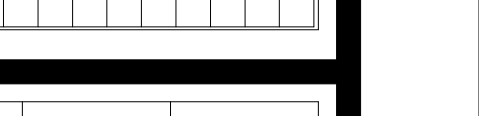
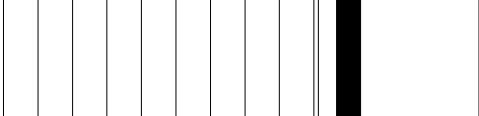
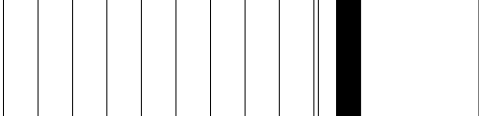
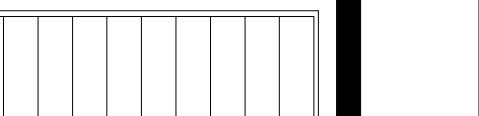
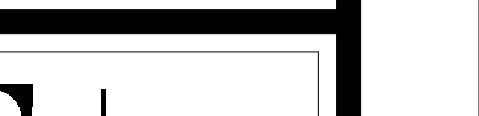
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Design No. D502

August 01, 2024

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HUSSEY GAY BELL logo with text 'HUSSEY GAY BELL' and 'Established 1958'. Address: 3100 Brockridge Blvd., Building 300, Duluth, Georgia 30096, T. 770.923.1600.

Table with 3 columns: DESIGNED, DRAWN, CHECKED. Rows for CC, YL, and CC SN.

Table with 3 columns: DATE, JOB NO. Date: 12/06/2024, Job No: 624 1109 01.

NEW 911 CENTER FOR UNION COUNTY UNION COUNTY UL DETAILS logo with address 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512.







# LEGEND

PROPOSED	DESCRIPTION	EXISTING
	DOUBLE WING CATCH BASIN	
	SINGLE WING CATCH BASIN	
	HOODED CATCH BASIN	
	GRATE INLET / DROP INLET	
	FLARED END SECTION	
	HEADWALL	
	OUTLET CONTROL STRUCTURE	
	SANITARY SEWER MANHOLE	
	STORM SEWER MANHOLE	
	WEIR INLET	
	YARD INLET	
	DIRECTIONAL ARROWS (FOR INFORMATION ONLY TO INDICATE TRAFFIC FLOW)	
	DIRECTIONAL ARROWS ON PAVEMENT	
	CLEANOUT	
	ELECTRIC MANHOLE	
	ELECTRIC BOX	
	CABLE TV BOX	
	TELEPHONE MANHOLE	
	LIGHT POLE	
	POWER POLE	
	POWER POLE WITH LIGHT	
	POWER POLE WITH GUY WIRE	
	POWER LINE	
	TELEPHONE LINE	
	CABLE TELEVISION LINE	
	NATURAL GAS LINE	
	VALVE	
	WATER LINE (POTABLE)	
	WATER LINE (NON-POTABLE)	
	REUSE WATER LINE	
	METER	
	WATER PIPE REDUCER	
	FIRE HYDRANT	
	PLUGGED STUB	
	WELL	
	MONITORING WELL	
	AIR VENT	
	SANITARY SEWER PIPE	
	SANITARY SEWER FORCEMAIN	
	STORM DRAINAGE PIPE	
	PROPERTY LINE	
	PARCEL LINE	
	RIGHT OF WAY LINE	
	SETBACK LINE	
	CREEK	
	ACCESS EASEMENT	
	FENCE	
	CONTOUR LINE WITH ELEVATION	
	SPOT ELEVATION	
	FLOW ARROW	
	TREE LINE	
	SIGNIFICANT TREES	
	GUARD RAIL	
	LOT NUMBER	
	PARCEL NUMBER	
	NUMBER OF PARKING SPACE NUMBER	
	SIGN w/POST	
	DOUBLE SIGN w/POST	
	BOLLARD	
	WHEEL STOP	
	HANDICAP PARKING	
	SATELLITE DISH	
	ROCK BORE LOCATION	
	PROPERTY CORNER	
	GIS BENCHMARK	
	TRAVERSE POINT	
	RIGHT OF WAY MONUMENT	
	IRON PIN FOUND	
	IRON PIN SET	
	WETLAND AREA	
	LAND LOT LINE	
	LAND LOT NUMBER	

## GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL CONFORM TO BOTH PLANS AND SPECIFICATIONS FOR THIS PROJECT. ALL ITEMS NECESSARY FOR A COMPLETE AND WORKABLE JOB SHALL BE FURNISHED AND INSTALLED.
- ALL DIMENSIONS ARE TO FACE OF CURB, FACE OF BUILDING, CENTER OF COLUMN, EDGE OF PAVEMENT, CENTERLINE OF PIPE, OR CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
- EQUIPMENT AND MATERIALS SHALL BE STORED IN AREAS DESIGNATED BY THE OWNER. CONSTRUCTION AND STORAGE AREAS SHALL BE KEPT NEAT AND CLEAN. TREE SAVE AREAS SHALL NOT BE USED FOR STORAGE OR PARKING.
- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF ALL TIE-IN POINTS FOR THE INSTALLATION OF UTILITIES, CURB & GUTTER, AND PAVEMENT PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY IF DIFFERENT THAN AS SHOWN ON PLANS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS IMMEDIATELY UPON DISCOVERY.
- ALL WORK WILL COMPLY WITH APPLICABLE STATE AND LOCAL CODES, SPECIFICATIONS AND REQUIREMENTS. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE. CONTRACTOR SHALL VERIFY THAT ALL NECESSARY PERMITS AND APPROVALS ARE OBTAINED PRIOR TO CONSTRUCTION.
- DEVIATIONS FROM THESE PLANS, NOTES AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE OWNER, HIS REPRESENTATIVE OR THE ENGINEER MAY RESULT IN THE WORK BEING UNACCEPTABLE BY THE OWNER, AND REDONE TO MEET THE PLANS, NOTES AND SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SAFETY AS WELL AS THE WAYS, MEANS AND METHODS OF CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION TRAFFIC AND GENERAL PUBLIC TRAFFIC ROUTING WITH OWNER AND APPROPRIATE REGULATING AGENCY PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL NOT WILLINGLY PROCEED WITH CONSTRUCTION IN A PARTICULAR AREA WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTION AND/OR DIFFERENCES FROM EXISTING CONDITIONS THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- ANY/CITY/STATE INSPECTORS MAY REQUIRE CHANGES TO THE DRAWINGS AND/OR SPECIFICATIONS BASED ON THEIR INSPECTION. CONTRACTOR SHALL BRING ANY REQUIRED CHANGES TO THE ENGINEER'S ATTENTION IMMEDIATELY.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
- ALL WORK SHALL BE PERFORMED AND FINISHED IN A WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER, AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
- ALL MATERIAL SHALL BE NEW- NO USED OR SALVAGED MATERIALS.
- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED WITH FLAGGING AND/OR FLAGGING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE ACTIVITIES.
- LANDSCAPING IS A HIGH PRIORITY. PROPER PROTECTION OF EXISTING LANDSCAPING, FENCES, PROPERTY CORNERS AND/OR D.O.T. CONCRETE RIGHT-OF-WAY MONUMENTS SHALL BE PROVIDED. WHERE DAMAGE OCCURS, REPLACEMENT TO EXISTING CONDITION IS REQUIRED. ALL LANDSCAPING REPLACEMENT IS SUBJECT TO APPROVAL FROM FORSYTH COUNTY AND THE ENGINEER.
- CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS HE DISCOVERS IN THE PLANS.
- CONTRACTOR SHALL PROVIDE RECORD DRAWINGS AS REQUIRED IN THE GENERAL CONDITIONS.
- THIS PLAT IS NOT FOR RECORDING.
- UTILITY LOCATIONS ARE SHOWN TO THE BEST KNOWLEDGE OF THE ENGINEER. CONTRACTOR IS SOLELY RESPONSIBLE FOR FIELD VERIFICATION OF ALL UTILITIES AND WILL NOT BE ENTITLED TO ANY EXTRA COMPENSATION ON ACCOUNT OF INACCURACY OR INCOMPLETENESS OF SUCH INFORMATION.
- MAXIMUM CUT OF FULL SLOPES ARE 2 HORIZONTAL TO 1 VERTICAL.
- UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATIONS. THE CONTRACTOR WILL NOT BE PAID ADDITIONALLY FOR THIS COORDINATION. THE CONTRACTOR SHOULD SEEK ASSISTANCE FROM ALL UTILITY COMPANIES TO LOCATE AND PROTECT THEIR FACILITIES.
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES AND PRECAUTIONS TO ASSURE THAT EXISTING SEWER LINES, FORCE MAIN LINES, AND WATER LINES REMAIN FUNCTIONAL AND UNDISTURBED.
- ALL WORK SHALL BE PERFORMED AND FINISHED IN A WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
- CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL STAGING AND/OR STORAGE REQUIRED OUTSIDE OF THE EASEMENTS PROVIDED BY OWNER. CONTRACTOR TO ALSO LOCATE STAGING AREAS AND EQUIPMENT MAINTENANCE AREAS (PARTICULARLY FOR OIL CHANGES) AT LEAST 200 FEET FROM STREAM BANKS TO MINIMIZE THE POTENTIAL FOR WASH WATER, PETROLEUM PRODUCTS, OR OTHER CONTAMINANTS FROM CONSTRUCTION EQUIPMENT ENTERING THE STREAMS.

## SITE CLEARING & SITE DEMOLITION NOTES

- CONTRACTOR SHALL CLEARLY MARK AND MAINTAIN PROPERTY CORNER MONUMENTS AND BENCHMARKS AND SHALL BE RESPONSIBLE FOR THE COST OF REPLACING THEM IF DISTURBED OR DESTROYED.
- THE CONTRACTOR SHALL HAVE THE LIMITS OF CLEARING AND DEMOLITION AND ALL BUFFERS STAKED WITH FLAGGING STRUNG BETWEEN ANGLE POINTS TO ENSURE THE PROPER LOCATION OF THE TREE SAVE FENCE AND PROPOSED IMPROVEMENTS PRIOR TO CLEARING AND DEMOLITION.
- CONTRACTOR SHALL PROTECT ALL ADJACENT LANDS FROM DAMAGE DURING CLEARING AND DEMOLITION WORK. ANY OFF-SITE AREAS DISTURBED SHALL BE RETURNED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- NO CLEARING OR DEMOLITION MATERIALS SHALL BE DISPOSED OF ON-SITE. ALL DEBRIS SHALL BE HAULED OFF-SITE TO DISPOSAL AREAS APPROVED BY THE STATE OF GEORGIA FOR THE HANDLING OF CLEARING & DEMOLITION MATERIALS.
- ALL VEGETATION (UNLESS OTHERWISE NOTED), ROOT SYSTEMS, TOPSOIL, REFUSE, OTHER DELETERIOUS MATERIALS, EXISTING PAVEMENTS, CURBS, ORGANICS AND UNSUITABLE BEARING SOILS SHALL BE STRIPPED FROM THE SURFACE WITHIN THE CONSTRUCTION LIMITS AND DISPOSED OF OFFSITE TO A DISPOSAL AREA APPROVED BY THE STATE OF GEORGIA FOR THE HANDLING OF CLEARING & DEMOLITION MATERIALS.
- CLEAN TOP SOIL MAY BE STOCKPILED IN AN AREA APPROVED BY THE ENGINEER AND REUSED LATER IN THE TOP 4" OF LANDSCAPED AREAS ONLY. EXCESS TOPSOIL SHALL BE DISPOSED OF OFFSITE.
- ALL STRUCTURES NOT IDENTIFIED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION. ANY STRUCTURES THAT ARE TO REMAIN THAT ARE DAMAGED SHALL BE REPAIRED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- CONSTRUCTION ENTRANCE, SILT FENCE AND ANY OTHER REQUIRED EROSION CONTROL DEVICE SHALL BE IN PLACE PRIOR TO CLEARING & DEMOLITION OPERATIONS.
- DISCONNECT AND SEAL OFF ABANDONED UTILITIES AND UTILITIES TO BE REMOVED PRIOR TO START OF DEMOLITION. UTILITIES SHALL BE DISCONNECTED BELOW EXISTING GRADE OR OUTSIDE OF CONTRACT LIMITS BY THE APPLICABLE UTILITY OWNER. ALL COSTS FOR THIS WORK SHALL BE BORNE BY THE CONTRACTOR.
- ALL STRUCTURES TO BE DEMOLISHED SHALL BE COMPLETELY REMOVED ABOVE AND BELOW GRADE. ABANDONED SERVICE LINES TO THE STRUCTURES SHALL ALSO BE REMOVED.
- CONTRACTOR TO PROVIDE ALL NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL MEASURES AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC THROUGHOUT CLEARING, DEMOLITION AND CONSTRUCTION IN COMPLIANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" CURRENT EDITION, THE GEORGIA D.O.T. SPECIFICATIONS SECTION 150 AND ANY RULES AND REGULATIONS OF THE LOCAL AUTHORITY HAVING JURISDICTION OVER THIS PROJECT.
- THE EXISTING TREES SHOWN ON THESE PLANS MAY ONLY BE THE MINIMAL AMOUNT SURVEYED AS REQUIRED FOR PERMITTING. THE SITE MAY HAVE ADDITIONAL TREES BEYOND THAT WHICH IS SHOWN. THE CONTRACTOR SHALL VISIT THE SITE BEFORE MAKING HIS BID TO INVESTIGATE THE AMOUNT OF EXISTING TREES THAT WILL NEED TO BE REMOVED WITHIN THE LIMITS OF CLEARING.

## REFERENCES

- BOUNDARY AND TOPOGRAPHIC INFORMATION BASED ON A TOPOGRAPHIC SURVEY FOR UNION COUNTY GOVERNMENT DATED AUGUST 2024 AND PREPARED BY HUSSEY GAY BELL, 322 W MAIN ST, BLUE RIDGE, GEORGIA 30513, (706) 632-4981.
- THE SURVEY INDICATES THAT THIS PROPERTY DOES NOT LIE WITHIN A FLOOD HAZARD ZONE X AS IDENTIFIED ON A F.I.R.M. COMMUNITY PANEL NO. 1329101020 DATED 09-28-07 AS PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - FEDERAL HAZARD INSURANCE ADMINISTRATION.
- THIS SITE DOES NOT CONTAIN WETLANDS.
- LAKE DOES NOT EXIST WITHIN 500' OF THE SITE.
- A 50' UNDISTURBED VEGETATIVE BUFFER WILL BE MAINTAINED ADJACENT TO STATE WATERS, INCLUDING WETLANDS (FROM TOP OF BANK TO OR EDGE OF WATER), NONE EXIST.
- THIS SITE DOES NOT CONTAIN STATE WATERS WHICH ARE SUBJECT TO A 25-FOOT STATE WATERS BUFFER FROM TOP OF BANK OR EDGE OF WATER.

## UTILITY NOTES

- ALL IMPROVEMENTS TO CONFORM WITH CITY OF BLAIRSVILLE CONSTRUCTION STANDARDS AND SPECIFICATIONS (LATEST EDITION). THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPLICABLE UTILITY AND OBTAINING THE APPLICABLE SPECIFICATIONS.
- CONTRACTOR TO NOTIFY CITY OF BLAIRSVILLE INSPECTOR DEPARTMENT 24 HOURS PRIOR TO BEGINNING EVERY PHASE OF CONSTRUCTION. PHONE: 706-745-2000.
- ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER.
- ALL WORK PERFORMED ON COUNTY RIGHT-OF-WAYS SHALL BE IN STRICT CONFORMANCE WITH APPLICABLE CITY OF BLAIRSVILLE STANDARDS & SPECIFICATIONS.
- ANY WORK IMPACTING TRAFFIC FLOW OR SAFETY SHALL BE DONE IN ACCORDANCE WITH AND APPROVED BY CITY OF BLAIRSVILLE ENGINEERING DEPARTMENT AND GEORGIA D.O.T.
- ALL MATERIAL SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE APPROVED BY THE OWNER IN WRITING.
- RIP-RAP SHALL BE PLACED AT ALL STORM DRAIN HEADWALLS AND CONSIST OF 50 POUND STONES.
- ALL DISTURBED AREAS TO BE RETURNED TO EXISTING GRADE AS SOON AS CONSTRUCTION PHASES PERMIT.
- THERE WILL BE NO DISPOSAL OF DEBRIS ONSITE. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL INFRASTRUCTURE FOR A ONE YEAR PERIOD FOLLOWING FINAL ACCEPTANCE OF THE PROJECT BY CITY OF BLAIRSVILLE.
- CONTRACTOR TO NOTIFY UTILITY PROTECTION AGENCY 72 HOURS PRIOR TO START OF WORK. PHONE: 811
- ALL PERMANENT SANITARY SEWER EASEMENTS SHOULD BE DRIVABLE WITH NO CROSS SLOPES OVER 1:4.
- CONSTRUCTION DEBRIS, LIQUID CONCRETE, OLD RIP-RAP, OLD SUPPORT MATERIALS, AND OTHER LITTER IN STREAMS OR IN AREAS OF POTENTIAL MIGRATION INTO THE STREAM IS PROHIBITED.
- NO BURY PITS ALLOWED WITHIN SANITARY SEWER EASEMENTS.
- NO FENCES, STRUCTURES, OR OTHER OBSTRUCTIONS ALLOWED WITHIN SANITARY SEWER EASEMENTS UNLESS OTHERWISE SHOWN IN DRAWINGS.
- LIMITS OF CLEARING SHALL BE WITHIN THE TEMPORARY CONSTRUCTION EASEMENTS DELINEATED ON THESE PLANS.
- ALL MANHOLES SHALL USE CAST IN BOLT DOWN RING, COVER AND GASKET.
- THE ONLY MATERIAL TO BE BURIED ON-SITE IS VEGETATIVE MATERIAL. PROVIDED IT IS NOT BURIED WITHIN 100' OF ANY PROPERTY LINE OR ENCLOSED STRUCTURE. CONSTRUCTION WASTE MAY NEITHER BE BURIED NOR BURIED AND MUST BE TAKEN TO STATE APPROVED LANDFILL.
- SEE SHEET C-13 FOR PIPE BEDDING DETAILS.
- THE CITY OF BLAIRSVILLE MAY HAVE AN APPROVED CONTRACTOR LIST FOR INSTALLATION AND/OR MANUFACTURE OF UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE COUNTY TO OBTAIN THE APPLICABLE LIST.
- THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTORS CONVENIENCE ONLY. THERE COULD BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

## SANITARY SEWER NOTES

- ANCHOR COLLARS SHALL BE PROVIDED ON SANITARY SEWER LINES WHOSE SLOPE EXCEEDS 17%.
- TOPS OF EXISTING MANHOLES SHALL BE RAISED/LOWERED AS NECESSARY TO BE FLUSH WITH NEW FINISHED GRADES.
- CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT ELEVATION OF EXISTING WASTEWATER SYSTEM AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION OF NEW LINES.
- SANITARY SEWER LINES SHALL BE INSTALLED, TESTED AND APPROVED PRIOR TO BACKFILLING.
- MINIMUM ANGLE BETWEEN INFLUENT AND EFFLUENT SANITARY SEWER LINES AT A MANHOLE = 90 DEGREES.
- ALL SEWER PIPE CONSTRUCTION MUST CONFORM TO CITY OF BLAIRSVILLE COUNTY STANDARDS AND SPECIFICATIONS.
- ALL WATER EASEMENTS MUST BE DRESSED AND GRASSED TO CONTROL EROSION PRIOR TO ACCEPTANCE. TREES SHALL NOT BE PLANTED IN THE PERMANENT EASEMENT.
- NEOPRENE COUPLINGS WITH STAINLESS STEEL BANDS AND SHEAR RINGS ARE REQUIRED FOR JOINING DIFFERENT TYPES OF SANITARY SEWER PIPES.
- LOW PRESSURE AIR TESTING IS REQUIRED FOR ALL WASTE WATER PIPE SYSTEMS. THIS TEST MUST MEET ALL REQUIREMENTS AS OUTLINED IN ASTM C-828-80 OR CURRENT REVISION. AN INSPECTOR MUST BE PRESENT DURING TESTING.
- NOTIFY INSPECTOR 24 HOURS PRIOR TO CONSTRUCTION.
- EIGHT INCH OR LARGER PIPE LINES SHOULD BE TV INSPECTED.
- COMPACTION OF BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO 90% OF THE PROCTER DENSITY. BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STAMPS, OR OTHER DEBRIS AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE CORRECTION OF ANY TRENCH WITHIN A YEAR FROM THE DATE OF APPROVAL. WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE USE OF PRECAST INVERT MANHOLES IS ACCEPTABLE PROVIDED THE INVERTS ARE NOT MOODED.
- AS-BUILT AND RECORD DRAWINGS ARE REQUIRED PRIOR TO REQUESTING A CERTIFICATE OF OCCUPANCY.

## CONDITIONS FOR PVC (SEWER)

- PIPE SHALL BE ASTM-3034, SDR 35 IN 12.5 FOOT LAYING LENGTHS WITH ELASTOMERIC SEALED JOINTS IN ACCORDANCE WITH ASTM-D3212.
- PIPE BEDDING SHALL BE #57, SHARP, ANGULAR, CRUSHED STONE. BEDDING SHALL EXTEND A MINIMUM OF 4" BELOW THE PIPE AND EXTEND TO THE TOP OF THE PIPE. THE BEDDING SHALL BE COMPACTED BY "SLONG WITH A FLAT SHOVEL". THE WIDTH OF THE DITCH AT THE TOP OF THE PIPE SHALL BE A MAXIMUM OF 3'.
- INITIAL BACKFILL: AFTER BEDDING, COMPLETE INITIAL BACKFILL WITH # 57 STONE. IF NO ROCK IS ENCOUNTERED, INITIAL BACKFILL SHALL EXTEND TO A HEIGHT 6" ABOVE THE TOP OF THE PIPE. OTHERWISE INITIAL BACKFILL SHALL EXTEND TO 12" ABOVE THE TOP OF PIPE.
- FITTINGS FOR LATERAL CONNECTIONS SHALL BE 45° WELDS AND BENDS. PROVIDE PVC PIPE STOPPERS FOR EACH LATERAL. PROVIDE SPECIAL WATER-TIGHT CONNECTIONS AT MANHOLES AND TRANSITIONS TO DUCTILE IRON PIPE AS RECOMMENDED BY THE PIPE MANUFACTURER.
- AFTER INSTALLATION, A DEFLECTION TEST IS REQUIRED. INITIAL DEFLECTION SHALL BE LIMITED TO 5% OF THE UNDEFLECTED DIAMETER. A SECOND TEST SHALL BE MADE AT LEAST 8 MONTHS AFTER THE INSTALLATION BUT BEFORE FINAL ACCEPTANCE. AT THAT TIME, DEFLECTION SHALL BE LIMITED TO 5% OF THE UNDEFLECTED DIAMETER.

## WATER NOTES

- THE LOCATION OF THE DOMESTIC AND FIRE LINES MUST BE COORDINATED W/THE BUILDING PLUMBING PLAN PRIOR TO INSTALLATION.
- NO TEES ALLOWED ON WATER MAIN TE-INs. USE STAINLESS STEEL TAPPING SLEEVE AND TAPPING VALVE.
- ALL CITY WATERLINE SHALL BE DUCTILE IRON PIPE AND COMPLY TO ANS/AWWA A21-111-85 STANDARD SPECIFICATIONS.
- ALL BENDS MUST INCLUDE MEGA-LUGS AND CONCRETE KICKERS. THRUST BLOCKS SHALL BE LOCATED AT ALL WATER PIPE VALVES.
- VERTICAL BENDS, AND VERTICAL ELBOWS, TEES AND FIRE HYDRANTS.
- ALL WATER VALVE MARKERS SHALL BE PLACED AT ALL LOCATIONS WHERE WATER VALVES ARE NOT IN THE STREETS. WATER VALVES THAT ARE IN THE STREET WILL BE CLEARLY MARKED ON THE CURB.
- NOTIFY THE CITY OF BLAIRSVILLE 48 HOURS PRIOR TO START OF EACH PHASE OF CONSTRUCTION.

ABBREVIATIONS		
AE - ACCESS EASEMENT	GI - GRATE INLET	P.O.C. - POINT OF COMMENCEMENT
AK - APPROX - APPROXIMATE	GM - GAS METER	PP - POINT OF BEGINNING
ARV - AIR RELEASE VALVE	MD - METRO DATA DISTRICT	PT - POINT OF INTERSECTION
BA - BEARS AND DISTANCE	G.P.S. - GLOBAL POSITIONING SYSTEM	P.V.M.T. - PAVEMENT
BC - BACK OF CURB	HC - HANDICAP	R - RADIUS
BCMP - BITUMINOUS COATED CMP	HEPE - HIGH DENSITY POLYETHYLENE PIPE	RSP - REINFORCED CONCRETE PIPE
BDDG - BUILDING	HGL - HYDRAULIC GRADE LINE	R.O.P. - RESIDENTIAL DRAINAGE PLAN REQUIRED
BL - BUILDING LINE	H.L.P. - HOUSE LOCATION PLAN	REV - REUSE OR REVISION
BM - BENCHMARK	HP - HIGH POINT	R/W - RIGHT OF WAY
CB - CATCH BASIN	HW - HEADWALL	SD - STORM DRAIN
C & G - CURB & GUTTER	ID - INSIDE DIAMETER	SE - SANITARY SEWER
CMP - CONCRETE MONUMENT FOUND	IE - INVERT ELEVATION	SEE - SANITARY SEWER EASEMENT
CMP - CORRUGATED METAL PIPE	IPF - IRON PIN FOUND	SE - SANITARY SEWER LINE
CMS - CONCRETE MONUMENT SET	IPF - IRON PIN FOUND	STA - STATION NUMBER
CONC - CONCRETE	IRR - IRRIGATION LINE	SW - SIDEWALK
CO - CLEAN OUT	JB - JUNCTION BOX	SWCB - SINGLE WINGED CATCH BASIN
CO - CONCRETE	JT - JOINT	TC - TOP OF CURB ELEVATION
DE - DRAINAGE EASEMENT	LF - LINEAR FOOT/FEET	TIP - TREE PROTECTION FENCING
DI - DROP INLET	LL - LAND LOT LINE	T.P.O.B. - TRUE POINT OF BEGINNING
DIA - DIAMETER	LU - LAND USE	U - UNDERGROUND
DIP - DUCTILE IRON PIPE	LU - LAND USE	UP - VITRIFIED CLAY PIPE
DS - DOWN SPOUT	LU - LAND USE	W - WATER
DWB - DOUBLE WING CATCH BASIN	LU - LAND USE	WI - WEIR INLET
EG - EXISTING GRADE	LU - LAND USE	WM - WATER METER
ELEV - ELEVATION	LU - LAND USE	WV - WATER VALVE
EQ - EDGE OF PAVEMENT	LU - LAND USE	YI - YARD INLET
EMT - EASEMENT	LU - LAND USE	
ETB - ELECTRIC TRANSFORMER BOX	LU - LAND USE	
EX - EXISTING	LU - LAND USE	
FDC - FIRE DEPARTMENT CONNECTION	LU - LAND USE	
FE - FINISHED FLOOR ELEVATION	LU - LAND USE	
FG - FINISH GRADE	LU - LAND USE	
FE - FIRE HYDRANT	LU - LAND USE	
F.I.R.M. - FEDERAL INSURANCE RATE	LU - LAND USE	
FM - FIRE FORCE MAIN	LU - LAND USE	
FP - FACE OF CURB	LU - LAND USE	
FP - FLOOD PLAIN	LU - LAND USE	
FT - FOOT/FEET	LU - LAND USE	
G - GAS	LU - LAND USE	



NOTE:  
1. NOTIFY UNION COUNTY INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE OF CONSTRUCTION. (706) 439-6057

**HUSSEY GAY BELL**  
Established 1958  
322 W Main St, Blue Ridge, GA 30513  
T: 706.632.4981

**UNION COUNTY GOVERNMENT**  
65 COURTHOUSE STREET, SUITE 1  
BLAIRSVILLE, GA 30512  
PHONE: (706) 897-5507  
CONTACT: TONY HUGHES  
UNION COUNTY MANAGER  
(706) 897-5507

REVISION	Description	By	Appr.	Date
No.				

REGISTERED PROFESSIONAL ENGINEER  
STEPHEN MARK BOND  
EXPIRES 12/31/2025  
GSWCC #11367  
EXPIRATION DATE: 5/27/2027

Project Title  
**UNION COUNTY 911 CENTER**

Project Location  
Address SHOE FACTORY RD  
City, State Zip BLAIRSVILLE, GA 30512  
Land Lot 305  
District-Section 9  
County UNION

Project No. 24-558-c  
Drawn By: NOAH ANDERSON  
Checked By: MARK BOND  
Initial Issue Date: 01-21-2025  
Sheet Title

GENERAL NOTES & LEGEND

Sheet Number  
**C-01**







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No.	REVISION Description	By	Date



GSWCC #11367  
 EXPIRATION DATE: 5/27/2027

**Project Title**  
 UNION COUNTY 911 CENTER

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 Address SHOE FACTORY RD  
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 Land Lot 305  
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 County UNION

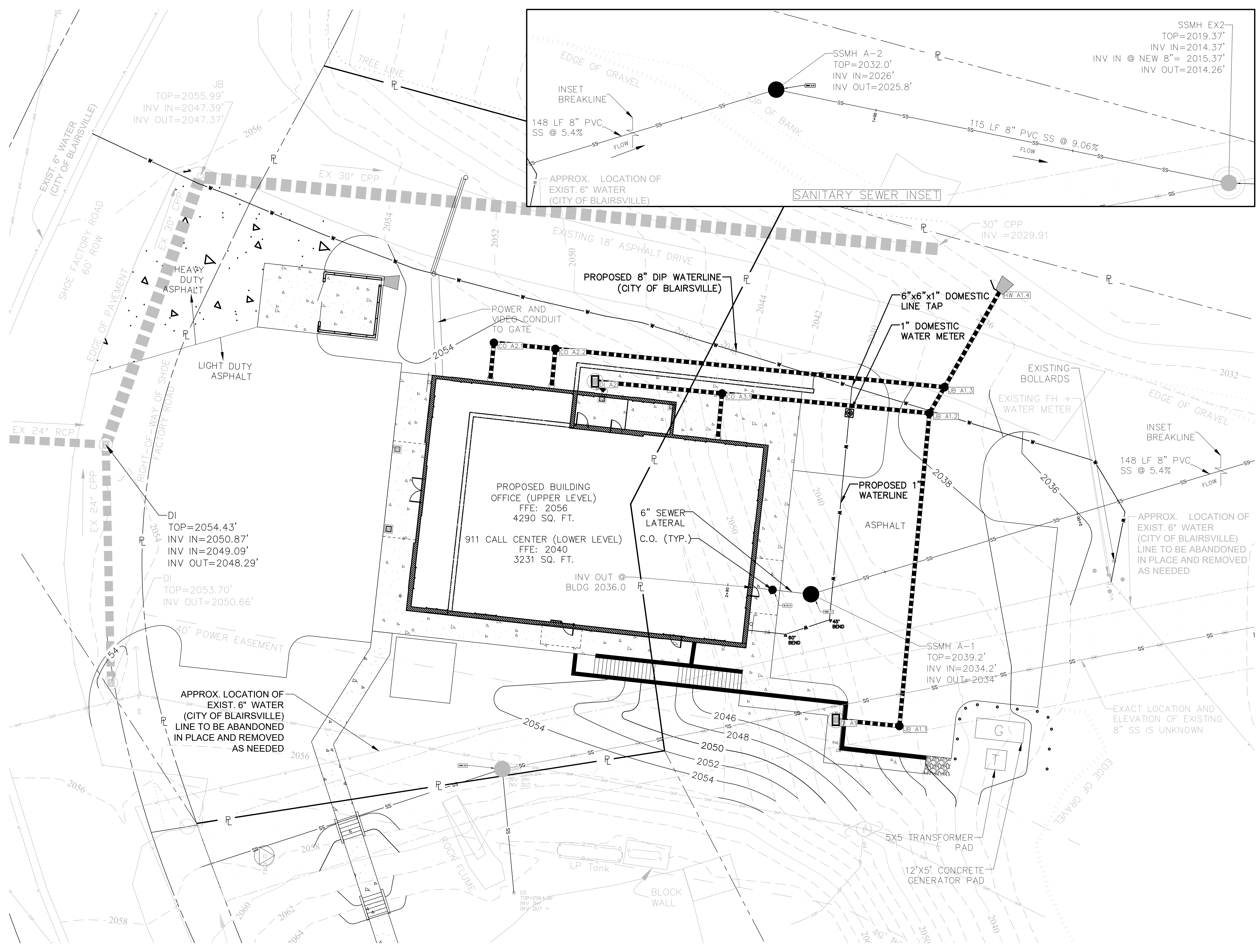
Project No. 24-558-c  
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Sheet Title

UTILITY PLAN

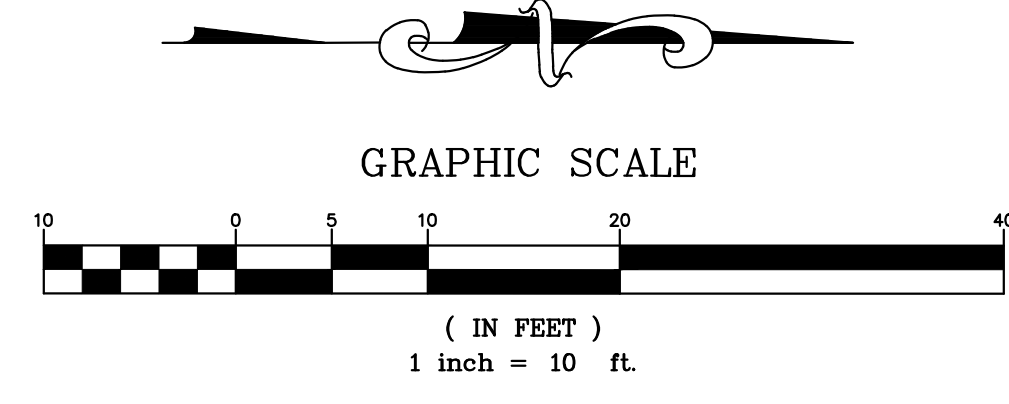
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**C-05**



**UTILITY PLAN NOTE:**

THE LOCATION SHOWN FOR THE EXISTING 8" SANITARY SEWER IS FROM BEST AVAILABLE INFORMATION. CONTRACTOR TO BE AWARE OF THE POSSIBILITY OF A DIFFERENT CONFIGURATION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FOUND IN THE FIELD.







# GEORGIA UNIFORM CODING SYSTEM

## FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

### GEORGIA SOIL AND WATER CONSERVATION COMMISSION

#### STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE			A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
SK	FLOATING SURFACE SKIMMER			A buoyant device that releases/draws water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM			Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

#### STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING			The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

#### VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)			Planting vegetation on dunes that are denuded, artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)			A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Cd	FLOCCULANTS AND COAGULANTS			Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)			The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS			Substance used to anchor straw or hay mulch by causing the organic material to bind together.

#### DEFINITION

THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENUDED AREAS.

#### REQUIREMENT FOR REGULATORY COMPLIANCE

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS. IF AN AREA IS EXPECTED TO BE UNDISTURBED FOR LONGER THAN SIX MONTHS, PERMANENT PERENNIAL VEGETATION SHALL BE USED. IF OPTIMUM PLANTING CONDITIONS FOR TEMPORARY GRASSING ARE LACKING, MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, ANCHORED, AND HAVE A CONTINUOUS SOIL COVER OR GREATER OF THE SOIL SURFACE. REFER TO SPECIFICATION Ds1-DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).

#### SPECIFICATIONS

##### GRADING AND SHAPING

EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS.

NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDING VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

##### SEEDBED PREPARATION

WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.

WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE FITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

##### LIME AND FERTILIZER

AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE DETERMINED BY SOIL TEST FOR pH. BIO STIMULANTS SHOULD BE CONSIDERED WHEN THERE IS LESS THAN 3% ORGANIC MATTER IN THE SOIL. SOILS MUST BE TESTED TO DETERMINE REQUIRED FERTILIZER AND AMENDMENT AMOUNTS. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL ON STEEP SLOPES. FERTILIZER SHALL BE HYDRAULICALLY APPLIED, PREFERABLY IN THE FIRST PASS WITH SEED AND HYDRAULIC MULCH, THEN TOPPED WITH THE REMAINING REQUIRED APPLICATION RATE.

##### SEEDING

SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR. SEED SHALL BE APPLIED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTI-PACKER-SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTI-PACKER SEEDERS SHOULD NORMALLY PLACE SEED ONE-QUARTER TO ONE-HALF INCH DEEP. APPROPRIATE DEPTH OF PLANTING IS TEN TIMES THE SEED DIAMETER. SOIL SHOULD BE "RAKED" LIGHTLY TO COVER SEED WITH SOIL IF SEEDING BY HAND.

##### MULCHING

TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. REFER TO Ds1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

##### IRRIGATION

DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

Ds-2 DISTURBED AREA STABILIZATION w/ TEMPORARY SEEDING 2016

#### DEFINITION

A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

#### CONDITIONS

THIS APPLICATION IS APPROPRIATE FOR AREAS WHICH REQUIRE IMMEDIATE VEGETATIVE COVERS, DROP INLETS, GRASS SWALES, AND WATERWAYS WITH INTERMITTENT FLOW.

#### PLANNING CONSIDERATIONS

SODDING CAN INITIALLY BE MORE COSTLY THAN SEEDING, BUT THE ADVANTAGES JUSTIFY THE INCREASED INITIAL COSTS.

1. IMMEDIATE EROSION CONTROL, GREEN SURFACE, AND QUICK USE.
2. REDUCED FAILURE AS COMPARED TO SEED AS WELL AS THE LACK OF WEEDS
3. CAN BE ESTABLISHED NEARLY YEAR-ROUND.

SODDING IS PREFERABLE TO SEED IN WATERWAYS AND SWALES BECAUSE OF THE IMMEDIATE PROTECTION OF THE CHANNEL AFTER APPLICATION. SODDING MUST BE STAKED IN CONCENTRATED FLOW AREAS (SEE FIGURE 6-6.1) CONSIDER USING SOG FRAMED AROUND DROP INLETS TO REDUCE SEDIMENTS AND MAINTAINING THE GRADE.

#### CONSTRUCTION SPECIFICATIONS INSTALLATION

##### SOIL PREPARATION

BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES AND CLODS LARGER THAN 1". APPLY SOD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE SOILS. TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DON'T USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILANTS. MIX FERTILIZER INTO SOIL SURFACE. FERTILIZE BASED ON SOIL TESTS OR TABLE 6-6.1.

##### INSTALLATION

LAY SOD WITH TIGHT JOINTS AND IN STRAIGHT LINES. DON'T OVERLAP JOINTS. STAGGER JOINTS AND DO NOT STRETCH SOD (SEE FIGURE 6-6.2) ON SLOPES STEEPER THAN 3:1. SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOD AND SOIL. IRRIGATE SOD AND SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2-3 WEEKS.

##### MATERIALS

SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.

1. SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" (+ OR - 1/4") OF SOIL, NOT INCLUDING SHOOTS OR THATCH.
2. SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN + OR - 5% TORN OR UNEVEN PADS SHOULD BE REJECTED.
3. SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
4. AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER IF IRRIGATION IS NOT AVAILABLE
5. THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO TABLE 6-6.2. SEE FIGURE 6-4.1 FOR YOUR RESOURCE AREA.

##### MAINTENANCE

RE-SOD AREAS WHERE AN ADEQUATE STAND OF SOD IS NOT OBTAINED. NEW SOD SHOULD BE MOWED SPARINGLY. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2"-3" OR AS SPECIFIED (SEE FIGURE 6-6.2). APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOIL TESTS EVERY 4-6 YEARS. FERTILIZE GRASSES IN ACCORDANCE WITH SOIL TESTS OR TABLE 6-6.3

#### FERTILIZER REQUIREMENTS FOR SOD

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (lbs./acre)	NITROGEN TOP DRESSING RATE (lbs./acre)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	---
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30

#### PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS 1/

SPECIES	BROADCAST RATES 2/ - PLS 3/		RESOURCE AREA 4/	PLANTING DATES												REMARKS	
	PER ACRE	PER 1000 S.F.		J	F	M	A	M	J	J	A	S	O	N	D		
BARLEY (Hordeum vulgare) ALONE IN MIXTURES	144 LBS.	3.3 LBS.	M-L P C														14,000 SEED PER POUND WINTERHARDY. USE ON PRODUCTIVE SOILS.
LESPEDEZA, ANNUAL (Lespedeza striata) ALONE IN MIXTURES	40 LBS.	0.9 LBS.	M-L P C														200,000 SEED PER POUND. MAY VOLUNTARILY PERSEVERE FOR SEVERAL YEARS. USE INOCULANT EL.
LOVEGRASS, WEEPING (Eragrostis curvula) ALONE IN MIXTURES	4 LBS.	0.1 LBS.	M-L P C														1,500,000 SEED PER POUND. MAY LAST FOR SEVERAL YEARS. MIX WITH SERICEA LESPEDEZA
MILLET, BROWNTOP (Panicum fasciculatum) ALONE IN MIXTURES	40 LBS.	0.9 LBS.	M-L P C														137,000 SEED PER POUND. QUICK GROWER. WILL PROVIDE MUCH COMPETITION IN MIXTURES IF SEEDING AT HIGH RATES.
RYE (Secale cereale) ALONE IN MIXTURES	168 LBS.	3.9 LBS.	M-L P C														18,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS, ANNUAL (Lolium temulentum) ALONE	40 LBS.	0.9 LBS.	M-L P C														227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
MILLET, PEARL (Panicum glaucum) ALONE	50 LBS.	1.1 LBS.	M-L P C														86,000 SEED PER POUND. QUICK, DENSE COVER. VERY COMPETITIVE AND NOT RECOMMENDED FOR MIXTURES.
OATS (Avena sativa) ALONE IN MIXTURES	128 LBS.	2.9 LBS.	M-L P C														13,000 SEED PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTERHARDY AS RYE OR BARLEY.
SUDAN GRASS (Sorghum sudanense) ALONE	60 LBS.	1.4 LBS.	M-L P C														55,000 SEED PER POUND. GOOD NOT ON DROUGHT SITES. RECOMMENDED FOR MIXTURES.
TRITICALE (X-Triticoseca) ALONE IN MIXTURES	144 LBS.	3.3 LBS.	C														USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND IN ATLANTIC COASTAL FLATWOODS ONLY.
WHEAT (Triticum aestivum) ALONE IN MIXTURES	180 LBS.	4.1 LBS.	M-L P C														15,000 SEED PER POUND. WINTERHARDY.

- 1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL GROW OUT PERENNIALS IF SEEDING TOO HEAVILY.
- 2/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
- 3/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
- 4/ M-L REPRESENTS TO MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S. P REPRESENTS THE SOUTHERN PIEDMONT MLRA. C REPRESENTS THE SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S.

#### DEFINITION

A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

#### CONDITIONS

THIS APPLICATION IS APPROPRIATE FOR AREAS WHICH REQUIRE IMMEDIATE VEGETATIVE COVERS, DROP INLETS, GRASS SWALES, AND WATERWAYS WITH INTERMITTENT FLOW.

#### PLANNING CONSIDERATIONS

SODDING CAN INITIALLY BE MORE COSTLY THAN SEEDING, BUT THE ADVANTAGES JUSTIFY THE INCREASED INITIAL COSTS.

1. IMMEDIATE EROSION CONTROL, GREEN SURFACE, AND QUICK USE.
2. REDUCED FAILURE AS COMPARED TO SEED AS WELL AS THE LACK OF WEEDS
3. CAN BE ESTABLISHED NEARLY YEAR-ROUND.

SODDING IS PREFERABLE TO SEED IN WATERWAYS AND SWALES BECAUSE OF THE IMMEDIATE PROTECTION OF THE CHANNEL AFTER APPLICATION. SODDING MUST BE STAKED IN CONCENTRATED FLOW AREAS (SEE FIGURE 6-6.1) CONSIDER USING SOG FRAMED AROUND DROP INLETS TO REDUCE SEDIMENTS AND MAINTAINING THE GRADE.

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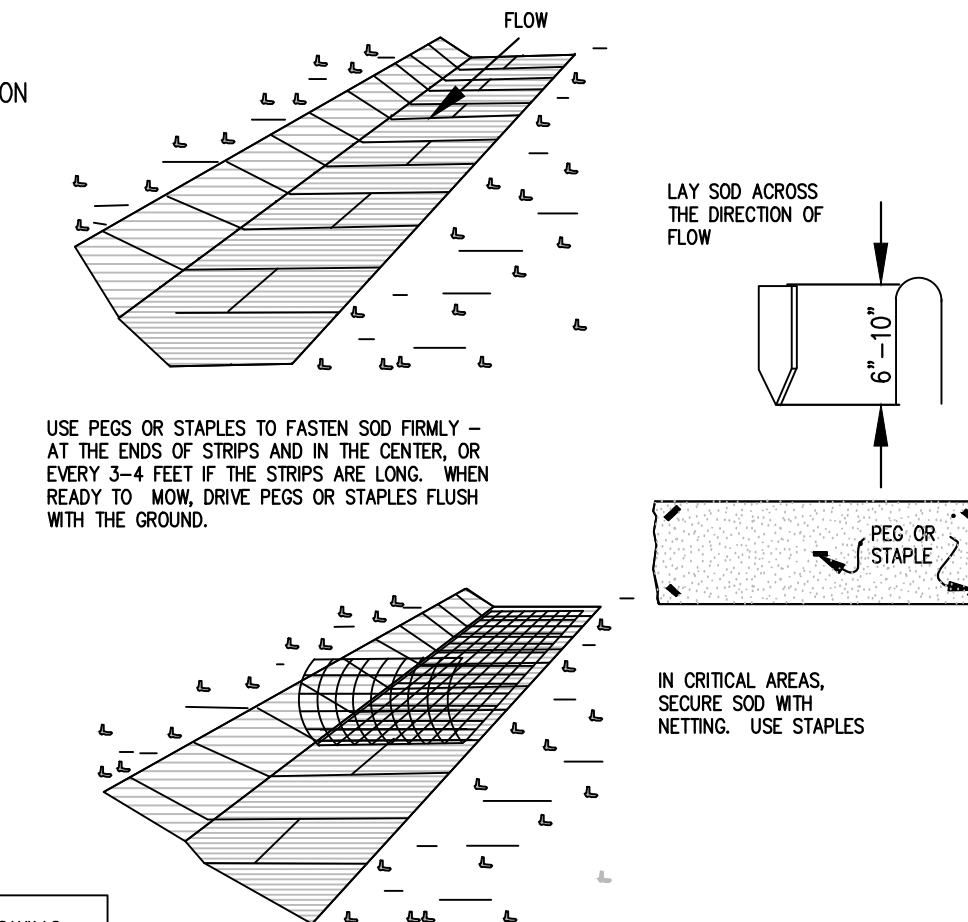
#### FERTILIZER REQUIREMENTS FOR SOD

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (lbs./acre)	NITROGEN TOP DRESSING RATE (lbs./acre)
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	SECOND	6-12-12	1000	---
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WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30

#### FERTILIZER REQUIREMENTS FOR SOIL SURFACE APPLICATION

FERTILIZER TYPE	FERTILIZER RATE (lbs/acre)	FERTILIZER RATE (lbs/sq ft)	SEASON
10-10-10	1000	.025	FALL

AGRICULTURAL LIME SHOULD BE APPLIED BASED ON SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE.



#### SOD PLANTING REQUIREMENTS



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Ds-3 DISTURBED AREA STABILIZATION w/ PERMANENT VEGETATION

THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION PERMANENT PERENNIAL VEGETATION SHALL BE USED TO ACHIEVE FINAL STABILIZATION.

INSTRUCTIONS THIS PRACTICE SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN SIX MONTHS. THIS PRACTICE OR SODDING SHALL BE APPLIED IMMEDIATELY TO ALL AREAS AT FINAL GRADE. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, CABONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN EMPLOYED. PERMANENT VEGETATION SHALL CONSIST OF PLANTED TREES, SHRUBS, PERENNIAL VINES, A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE REGION, SUCH THAT WITHIN THE GROWING SEASON A 70% COVERAGE BY PERENNIAL VEGETATION SHALL BE ACHIEVED.

- 1. USE CONVENTIONAL PLANTING METHODS WHERE POSSIBLE.
2. WHEN MIXED PLANTINGS ARE DONE DURING MARGINAL PLANTING PERIODS, COMPANION CROPS SHALL BE USED.
3. NO-TILL PLANTING IS EFFECTIVE WHEN PLANTING IS DONE FOLLOWING A SUMMER OR WINTER ANNUAL COVER CROP.
4. BLOCK SOD PROVIDES IMMEDIATE COVER. IT IS ESPECIALLY EFFECTIVE IN CONTROLLING EROSION ADJACENT TO CONCRETE FLUMES AND OTHER STRUCTURES. REFER TO Ds-4 DISTURBED AREA STABILIZATION (WITH SODDING).
5. IRRIGATION SHOULD BE USED WHEN THE SOIL IS DRY OR WHEN SUMMER PLANTINGS ARE DONE.
6. LOW MAINTENANCE PLANTS, AS WELL AS NATIVES, SHOULD BE USED TO ENSURE LONG LASTING EROSION CONTROL.
7. MOWING SHOULD NOT BE PERFORMED DURING THE QUAL NESTING SEASON (MAY TO SEPT). WILDLIFE PLANTINGS SHOULD BE INCLUDED IN CRITICAL AREA PLANTINGS. SEE MANUAL FOR PLANT LIST.

GRADING & SHAPING GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT. WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION. CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION SHALL BE DIVERTED TO A SAFE OUTLET. DIVERSIONS AND OTHER TREATMENT PRACTICES SHALL CONFORM WITH THE APPROPRIATE STANDARDS AND SPECIFICATIONS.

LIME AND FERTILIZER APPLICATION WHEN HYDRAULIC SEEDING EQUIPMENT IS USED, THE INITIAL FERTILIZER SHALL BE MIXED WITH SEED, INOCULANT (IF NEEDED), AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. THE INOCULANT, IF NEEDED, SHALL BE MIXED WITH THE SEED PRIOR TO BEING PLACED INTO THE HYDRAULIC SEEDER. THE SLURRY MIXTURE WILL BE AGITATED DURING APPLICATION TO KEEP THE INGREDIENTS THOROUGHLY MIXED. THE MIXTURE WILL BE SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER BEING PLACED IN THE HYDROSEEDER.

FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED IMMEDIATELY AFTER MULCHING IS COMPLETED OR IN COMBINATION WITH THE TOP DRESSING. WHEN CONVENTIONAL PLANTING IS TO BE DONE, LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS:
1. APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
2. MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE IN FURROWS.
3. BROADCAST AFTER STEEP SURFACES ARE SCARIFIED, PITTED OR TRENCHED.
4. A FERTILIZER PELLET SHALL BE PLACED AT ROOT DEPTH IN THE CLOSING HOLE BESIDE EACH TREE SEEDLING.

LIME AND FERTILIZER RATES AND ANALYSIS AGRICULTURAL LIME IS REQUIRED AT A RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.

LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE." GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 80% OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 50% WILL PASS THROUGH A 50-MESH SIEVE AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A 100-MESH SIEVE.

LIME AND FERTILIZER RATES AND ANALYSIS CONT. AGRICULTURAL LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT SHALL BE "FINELY GROUND LIMESTONE." FINELY GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 98% OF THE MATERIAL WILL PASS THROUGH A 20-MESH SIEVE AND NOT LESS THAN 70% WILL PASS THROUGH A 100-MESH SIEVE. IT IS DESIRABLE TO USE DOLOMITIC LIMESTONE IN THE SAND HILLS, SOUTHERN COASTAL PLAIN AND ATLANTIC COAST FLATWOODS MIRA'S. (SEE MANUAL). AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES ARE PLANTED. INITIAL FERTILIZATION, NITROGEN, TOPDRESSING, AND MAINTENANCE FERTILIZER REQUIREMENTS FOR EACH SPECIES OR COMBINATION OF SPECIES ARE LISTED IN TABLE 6-5-1.

PLANT SELECTION REFER TO TABLE BELOW FOR APPROVED SPECIES. SPECIES NOT LISTED SHALL BE APPROVED BY THE OWNER AND THE STATE RESOURCE CONSERVATIONIST OF THE NATURAL RESOURCE CONSERVATION SERVICE BEFORE THEY ARE USED. PLANTS SHALL BE SELECTED ON THE BASIS OF SPECIES CHARACTERISTICS, SITE AND SOIL CONDITIONS, PLANNED USE AND MAINTENANCE OF THE AREA, TIME OF YEAR OF PLANTING, METHOD OF PLANTING, AND THE NEEDS AND DESIRES OF THE LAND USER. SOME PERENNIAL SPECIES ARE EASILY ESTABLISHED AND CAN BE PLANTED ALONE. EXAMPLES OF THESE ARE COMMON BERMUDA, TALL FESCUE AND WEEPING LOVEGRASS. THE ADDITIONAL SPECIES WILL PROVIDE QUICK COVER AND EMBLE SOIL PROTECTION UNTIL THE TARGET PERENNIAL SPECIES BECOME ESTABLISHED. FOR EXAMPLE COMMON SEEDING COMBINATIONS INCLUDE: WEEPING LOVEGRASS WITH SERICEA LESPEDEZA (SCARIFIED) AND TALL FESCUE WITH SERICEA LESPEDEZA (UNSCARIFIED).

PLANT SELECTION MAY ALSO INCLUDE ANNUAL COMPANION CROPS. ANNUAL COMPANION CROPS SHOULD BE USED ONLY WHEN THE PERENNIAL SPECIES ARE NOT PLANTED DURING THEIR OPTIMUM PLANTING PERIOD. A COMMON MIXTURE IS BROWN TOP MILLET WITH COMMON BERMUDA IN MID-SUMMER. CARE SHOULD BE TAKEN IN SELECTING COMPANION CROP SPECIES AND SEEDING RATES BECAUSE ANNUAL CROPS WILL COMPETE WITH PERENNIAL SPECIES FOR WATER, NUTRIENTS AND GROWING SPACE. A HIGH SEEDING RATE OF THE COMPANION CROP MAY PREVENT THE ESTABLISHMENT OF PERENNIAL SPECIES. PREGRASS SHALL NOT BE USED IN ANY SEEDING MIXTURES CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO OUT-COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL COVER.

SEED QUALITY THE TERM "PURE LIVE SEED" IS USED TO EXPRESS THE QUALITY OF SEED AND IS NOT SHOWN ON THE LABEL. PURE LIVE SEED, PLS, IS EXPRESSED AS A PERCENTAGE OF THE SEEDS THAT ARE PURE AND WILL GERMINATE. INFORMATION ON PERCENT GERMINATION AND PURITY CAN BE FOUND ON SEED TAGS. PLS IS DETERMINED BY MULTIPLYING THE PERCENT OF PURE SEED WITH THE PERCENT OF GERMINATION, I.E., PLS = % GERMINATION x % PURITY.

THE PERCENT OF PLS HELPS YOU DETERMINE THE AMOUNT OF SEED YOU NEED. FOR EXAMPLE IF THE SEEDING RATE IS 10 POUNDS PLS AND THE BULK SEED IS 58% PLS, THE BULK SEEDING RATE IS: 10 LBS. OF PLS / ACRE = 17.9 LBS. / ACRE 58% PLS

YOU WOULD NEED TO PLANT 17.9 LBS./ACRE TO PROVIDE 10 LBS./ACRE OF PURE LIVE SEED.

SEEDBED PREPARATION SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:

- BROADCAST PLANTINGS:
1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 IN. ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.
2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
3. TILLAGE SHOULD BE DONE ON THE CONTOUR, WHERE FEASIBLE.
4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE SHALL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE TWO PLACES 6 TO 8 IN. APART IN WHICH SEED MAY LODGE AND GERMINATE. HYDRAULIC SEEDING MAY ALSO BE USED.

- INDIVIDUAL PLANTS
1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, SPACING FURROWS OR DIGGING PLANTING HOLES.
2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
3. WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.

INOCULANTS ALL LEGUME SEED SHALL BE INOCULATED WITH APPROPRIATE NITROGEN-FIXING BACTERIA. THE INOCULANT SHALL BE A PURE CULTURE PREPARED SPECIFICALLY FOR THE SEED SPECIES AND USED WITHIN THE DATES ON THE CONTAINER. A MIXING MEDIUM RECOMMENDED BY THE MANUFACTURER SHALL BE USED TO BOND THE INOCULANT TO THE SEED. FOR CONVENTIONAL SEEDING, USE TWICE THE AMOUNT OF INOCULANT RECOMMENDED BY THE MANUFACTURER FOR HYDRAULIC SEEDING. FOUR TIMES THE AMOUNT OF INOCULANT RECOMMENDED BY THE MANUFACTURER SHALL BE USED. ALL INOCULATED SEED SHALL BE PROTECTED FROM THE SUN AND HIGH TEMPERATURES AND SHALL BE PLANTED THE SAME DAY INOCULATED. NO INOCULATED SEED SHALL REMAIN IN THE HYDROSEEDER LONGER THAN ONE HOUR.

PLANTING HYDRAULIC SEEDING: MIX THE SEED (INOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE. CONVENTIONAL SEEDING: SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST PLANTING, USE A CULTPACKER-SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE SEED WHEN USING A CULTPACKER OR OTHER SUITABLE EQUIPMENT. NO-TILL SEEDING: NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO TILL SEEDING SHALL BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH. SUBSOL PLANTS: SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TOPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOLE, TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

MULCHING MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED.

DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER THE HYDRAULIC SEEDING. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 4:1 OR STEEPER. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.

PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL TRACKING AND AID IN UNIFORM APPLICATION DURING SEEDING.

APPLYING MULCH STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE. WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC SEEDING EQUIPMENT.

ANCHORING MULCH ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHODS:
1. GULF-SURF ASPHALT CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER EQUIPMENT. THE COMBINATION OF ASPHALT EMULSION AND WATER SHALL CONSIST OF 100 GALLONS OF WATER PER TON OF MULCH. CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT STATE WATERS, THE PUBLIC, ADJACENT PROPERTY, PAVEMENTS, CURBS, SIDEWALKS AND OTHER STRUCTURES FROM ASPHALT DISCOLORATION.
2. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL "PACKER DISK" OR DISK HOLLOW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN ERECT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL.
3. SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GDOT SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. REFER TO Ds-4 TACKIFIERS AND BINDERS.
4. RYE OR WHEAT CAN BE INCLUDED WITH HAY AND WINTER PLANTINGS TO STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE-HALF BUSHEL PER ACRE.
5. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. THESE MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
BEDDING MATERIAL: MULCH USED AS A BEDDING MATERIAL TO CONSERVE MOISTURE AND CONTROL WEEDS IN NURSERIES, ORNAMENTAL BEDS, AROUND SHRUBS, AND ON BARE AREAS ON LAWNS.

MATERIAL DEPTH
GRASS STRAW 4" TO 6"
GRASS HAY 4" TO 6"
PINE NEEDLES 3" TO 5"
WOOD WASTE 4" TO 6"

IRRIGATION: IRRIGATION WILL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF. TOPDRESSING: WILL BE APPLIED ON ALL TEMPORARY AND PERMANENT (PERENNIAL) SPECIES PLANTED ALONE OR IN MIXTURES WITH OTHER SPECIES. RECOMMENDED RATES OF APPLICATION ARE LISTED IN TABLE 6-5-1.

SECOND YEAR AND MAINTENANCE FERTILIZATION: SECOND YEAR FERTILIZER RATES AND MAINTENANCE FERTILIZER RATES ARE LISTED IN TABLE 6-5-1.

LIME MAINTENANCE APPLICATION: APPLY ONE TON OF AGRICULTURAL LIME EVERY 4 TO 6 YEARS OR AS INDICATED BY SOIL TESTS. SOIL TESTS CAN BE CONDUCTED TO DETERMINE MORE ACCURATE REQUIREMENTS IF DESIRED.

USE AND MANAGEMENT: MOW SERICEA LESPEDEZA ONLY AFTER FROST TO ENSURE THAT THE SEEDS ARE MATURE. MOW BETWEEN NOVEMBER AND MARCH. BERMUDAGRASS, BAHIA GRASS AND TALL FESCUE MAY BE MOWED AS DESIRED. MAINTAIN AT LEAST 6 INCHES OF TOP GROWTH UNDER ANY USE AND MANAGEMENT. MODERATE USE OF TOP GROWTH IS BENEFICIAL AFTER ESTABLISHMENT. EXCLUDE TRAFFIC UNTIL THE PLANTS ARE WELL ESTABLISHED, BECAUSE OF THE QUAL NESTING SEASON, MOWING SHOULD NOT TAKE PLACE BETWEEN MAY AND SEPTEMBER.

Table with 5 columns: Item, Analysis or Equivalent, N Top Dressing Rate, and Application Rate. Includes items like Cool Season Grasses, Warm Season Grasses, and Ground Covers.

- 1/ APPLY IN SPRING FOLLOWING SEEDING.
2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
3/ APPLY IN 3 SPLIT APPLICATIONS.
4/ APPLY WHEN PLANTS ARE FROINED.
5/ APPLY TO GRASS SPECIES ONLY.
6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

SPECIFICATIONS

MULCHING WITHOUT SEEDING THIS STANDARD APPLIES TO GRADES OR CLEARED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT CAN BE STABILIZED WITH A MULCH COVER.

- SITE PREPARATION
1. GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
2. INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DICES, DIVERSIONS, BERMS, TERRACES AND SEDIMENT BARRIERS.
3. LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

MULCHING MATERIALS SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:
1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.
2. WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS.
3. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND RE-USED.

APPLYING MULCH WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.
1. DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
2. IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION, 20-30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC MULCHES.
3. APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

ANCHORING MULCH
1. STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HOLLOW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK". DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION.
2. NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
3. POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.

Ds-1 DISTURBED AREA STABILIZATION w/MULCHING ONLY 2016

DEFINITION

CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADS, AND DEMOLITION SITES.

PURPOSE
-TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES
-TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.

CONDITIONS THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON AND OFF-SITE DAMAGE MAY OCCUR WITHOUT TREATMENT.

METHODS AND MATERIALS

TEMPORARY METHODS MULCHES SEE STANDARD Ds1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO STANDARD Tack-TACKIFIERS. RESINS SUCH AS CURASOL OR TERRACAT SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

VEGETATIVE COVER SEE STANDARD Ds2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING). SPRAY-ON ADHESIVES THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO STANDARD Ds2.

TILLAGE THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF THE SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

IRRIGATION THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

BARRIERS SOLID BOARD FENCES, SNOWFENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

CALCIUM CHLORIDE APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT. PERMANENT METHODS: PERMANENT VEGETATION SEE STANDARD Ds3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.

TOPSOILING THIS ENTAILS COVERING THE SURFACE WITH LESS EROSION SOIL MATERIAL. SEE STANDARD T6-TOPSOILING. STONE COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE STANDARD C3-CONSTRUCTION ROAD STABILIZATION.

Du DUST CONTROL ON DISTURBED AREAS 2016

Table with columns: Species, Broadcast Rates, Resource Area, Planting Dates by Resource Areas, and Remarks. Lists various plant species like Fescue, Bermuda, and Centipede with their respective planting schedules.

HUSSEY GAY BELL logo and contact information: Established 1958, 3100 Breckinridge Blvd., Building 300, Duluth, GA 30096. T:706.632.4981

UNION COUNTY GOVERNMENT 65 COURTHOUSE STREET, SUITE 1 BLAIRSVILLE, GA 30512 PHONE: (706) 897-5507 CONTACT: TONY HUGHES UNION COUNTY MANAGER (706) 897-5507

Revision table with columns: No., Description, Date, By, Appr. Shows multiple revisions for the document.

Professional Engineer seal for Stephen Mark Bond, State of Georgia, No. 23275, Exp. 12/31/2025.

GSWCC #11367 EXPIRATION DATE: 5/27/2027

Project Title: UNION COUNTY 911 CENTER

Address: SHOE FACTORY RD, BLAIRSVILLE, GA 30512. Land Lot: 305. District-Section: 9. County: UNION.

Project No: 24-558-c. Drawn By: NOAH ANDERSON. Checked By: MARK BOND. Initial Issue Date: 01-21-2025.

Sheet Title: EROSION CONTROL DETAIL (2 OF 3)

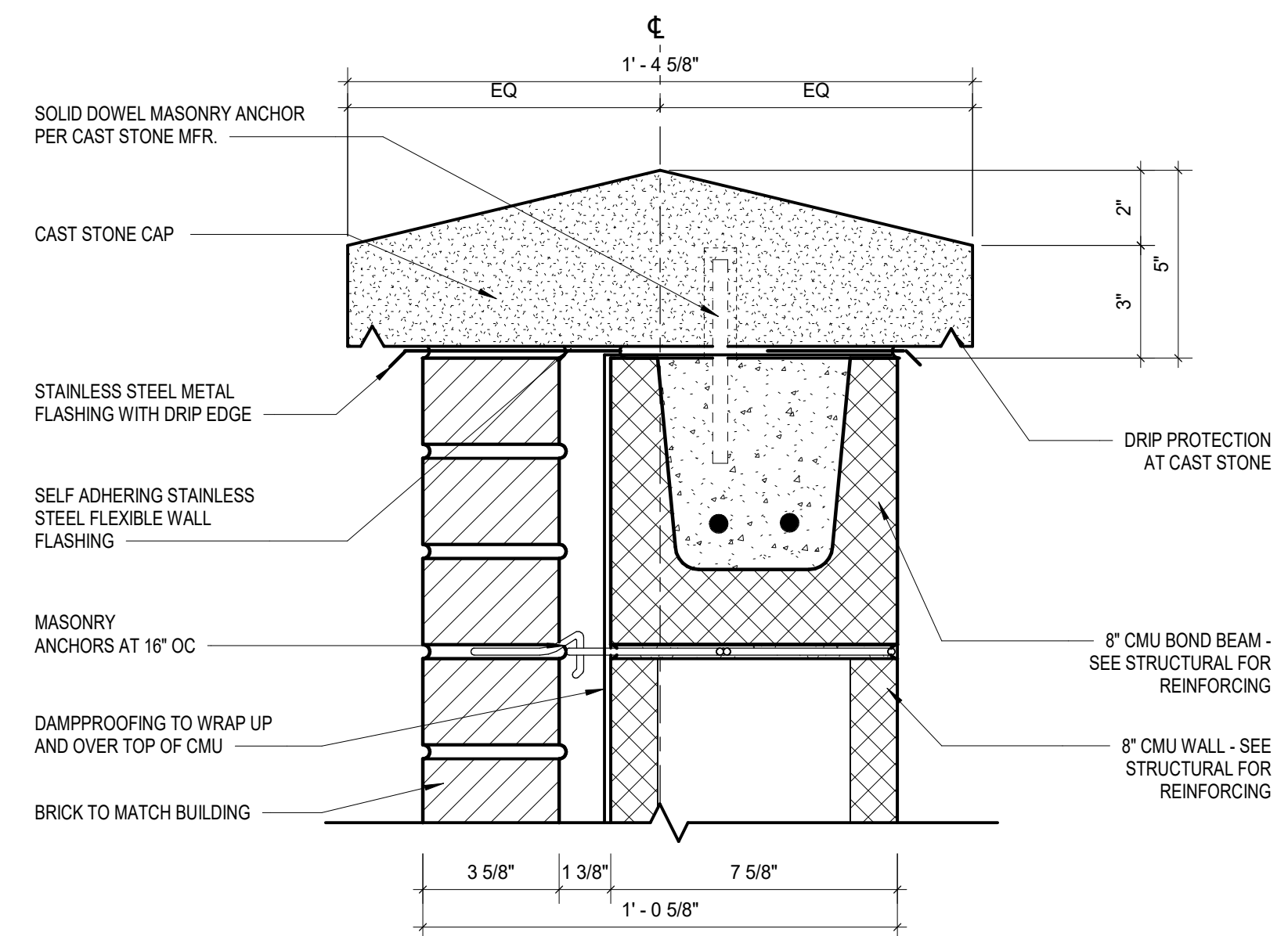
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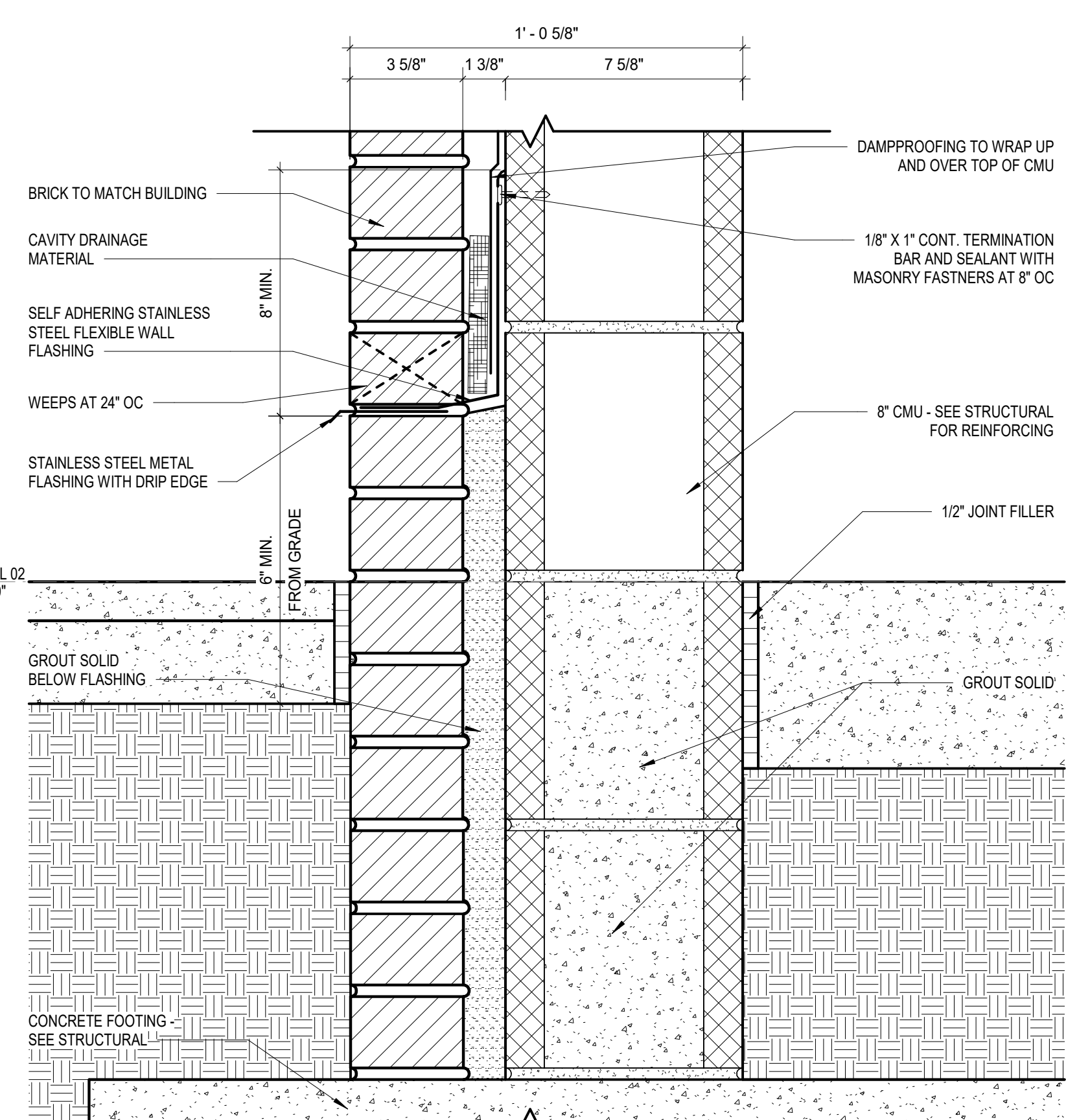




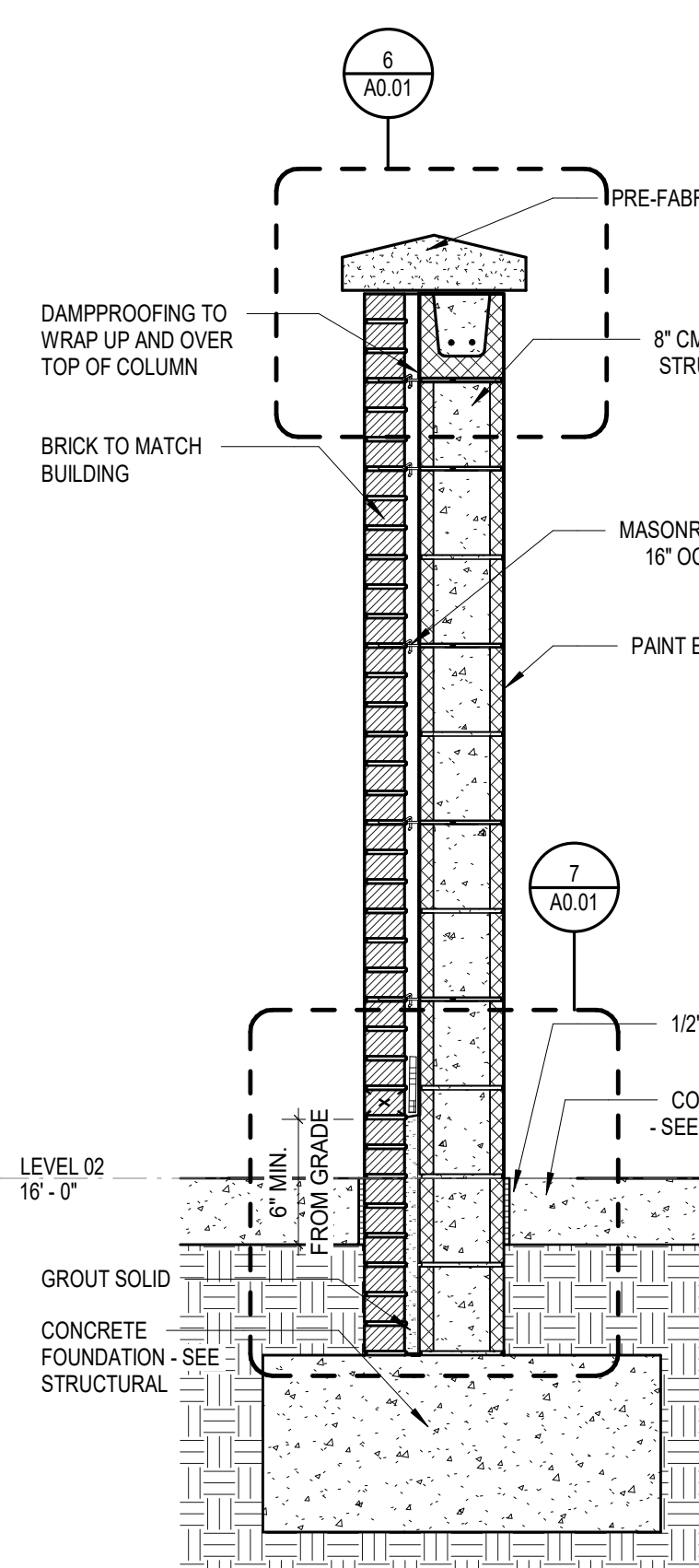




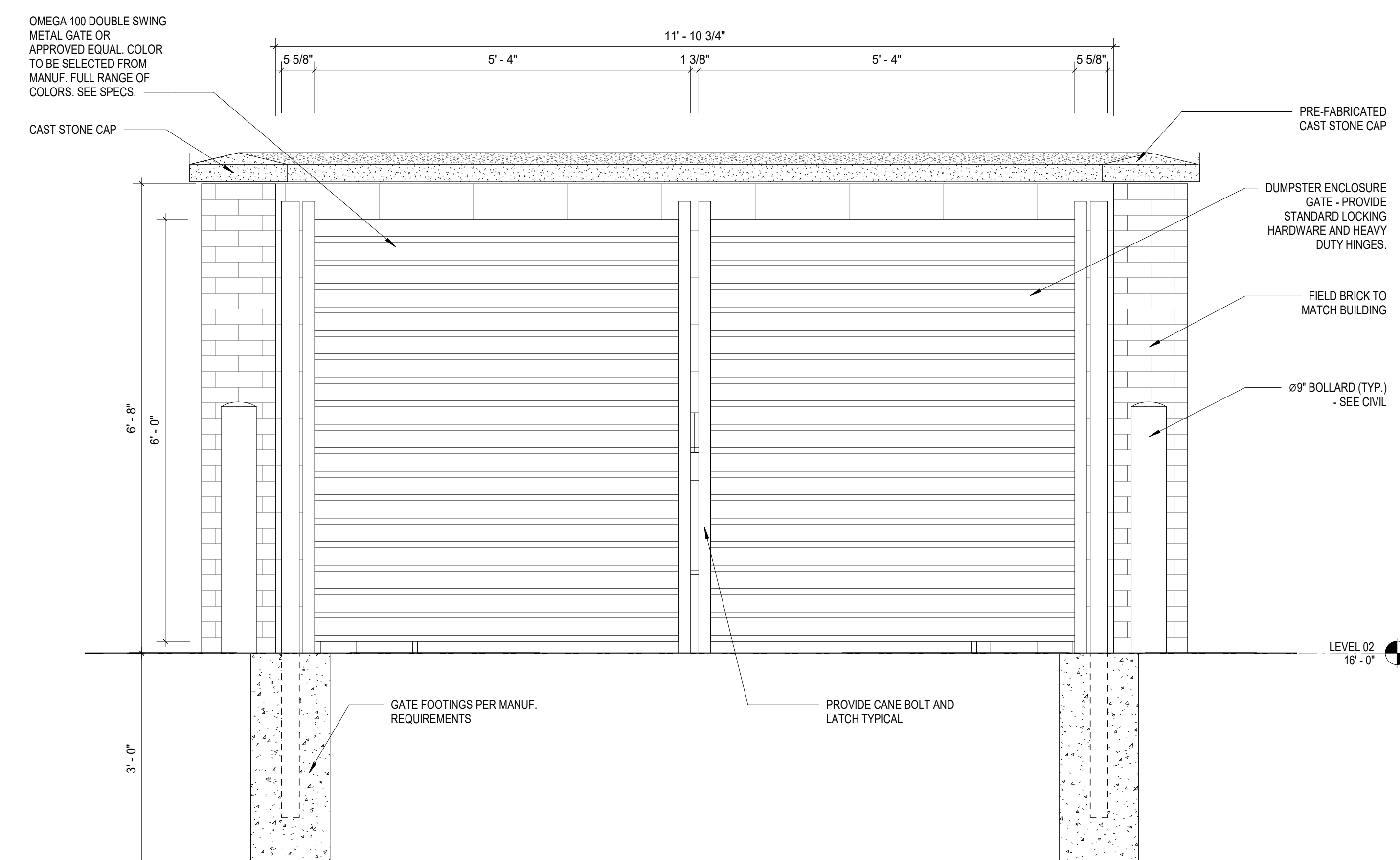
6 CAST STONE CAP DETAIL  
3" = 1'-0"



7 ENCLOSURE FOOTING  
3" = 1'-0"



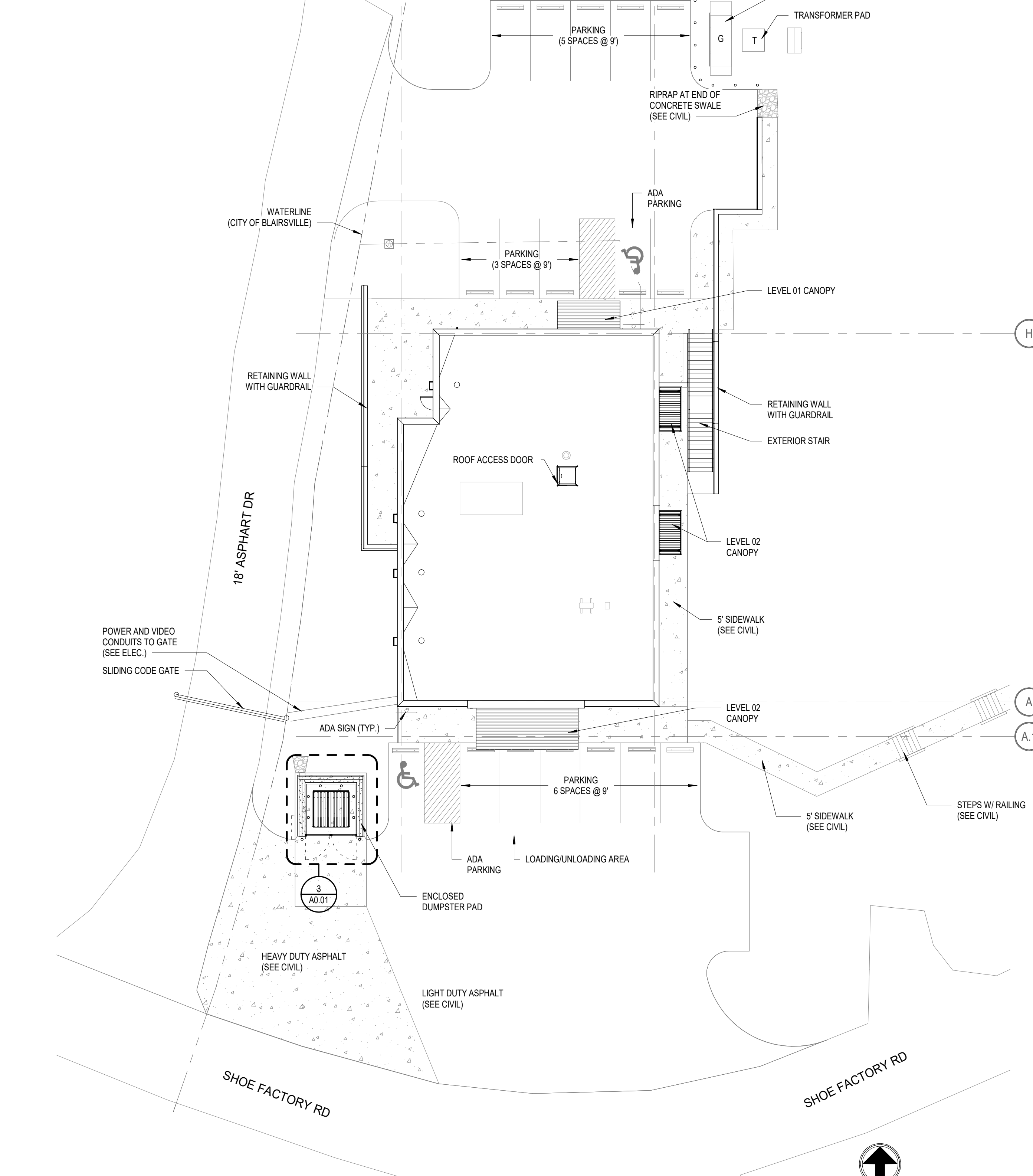
5 SECTION  
3/4" = 1'-0"



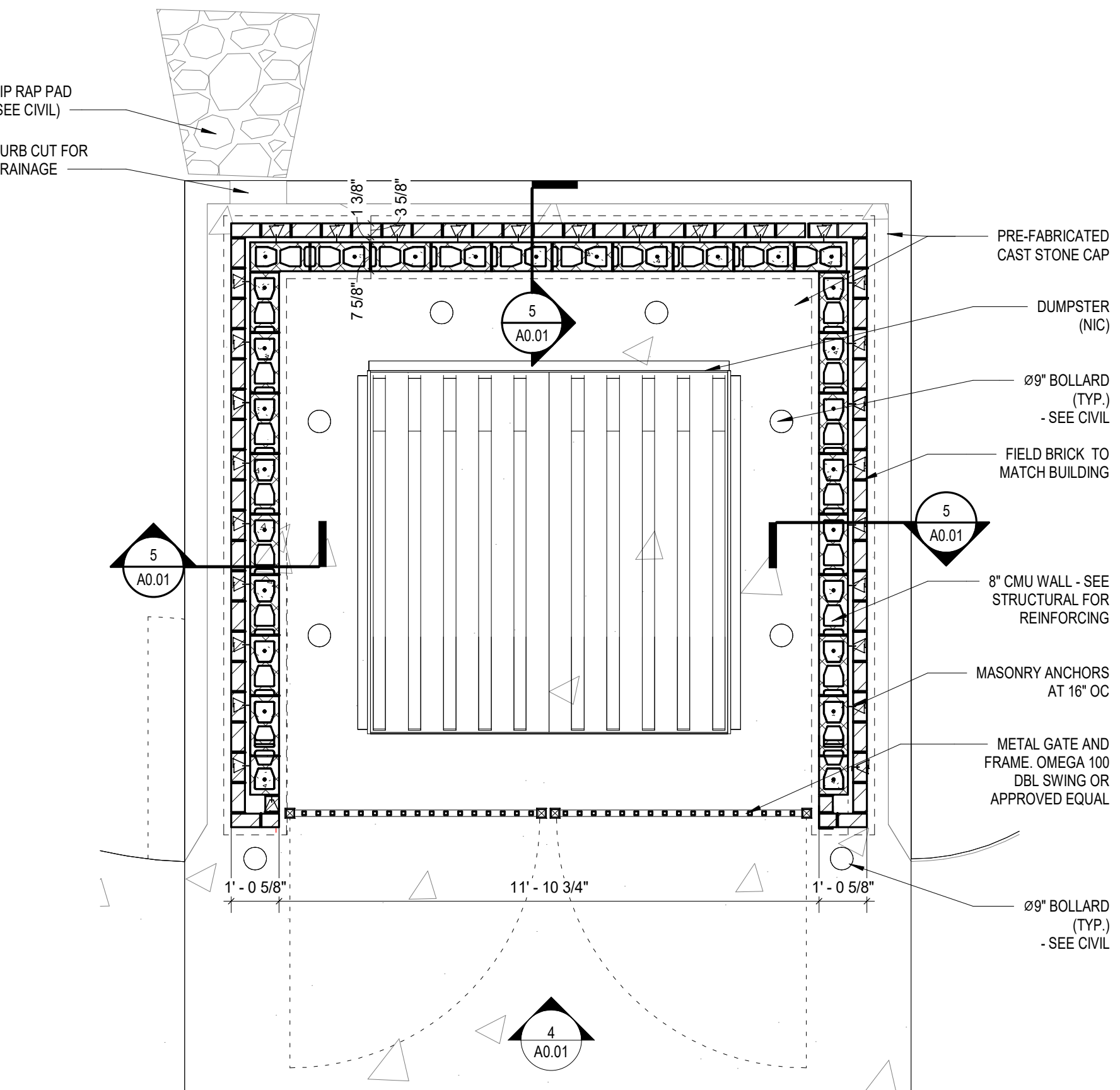
4 ENCLOSURE ELEVATION  
3/4" = 1'-0"



2 JOB SIGN  
3/4" = 1'-0"



1 ARCHITECTURAL SITE PLAN  
1/16" = 1'-0"



3 DUMPSTER ENCLOSURE PLAN  
3/8" = 1'-0"



**HUSSEY GAY BELL**  
Established 1958  
3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096, T: 770.923.1600

REVISIONS:

NO.	DESCRIPTION

DESIGNED	CC	DRAWN	YL	CHECKED	CC
DATE:	12/06/2024			CC SN	
JOB NO.	624 1109 01				

NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD, BLAIRSVILLE, GA 30512  
ARCHITECTURAL SITE PLAN

DRAWING NUMBER  
**A0.01**





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REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
CC	YL	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

**NEW 911 CENTER FOR UNION COUNTY**  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA. 30512  
**WALL TYPE PLAN - LEVEL 01, LEVEL 02**

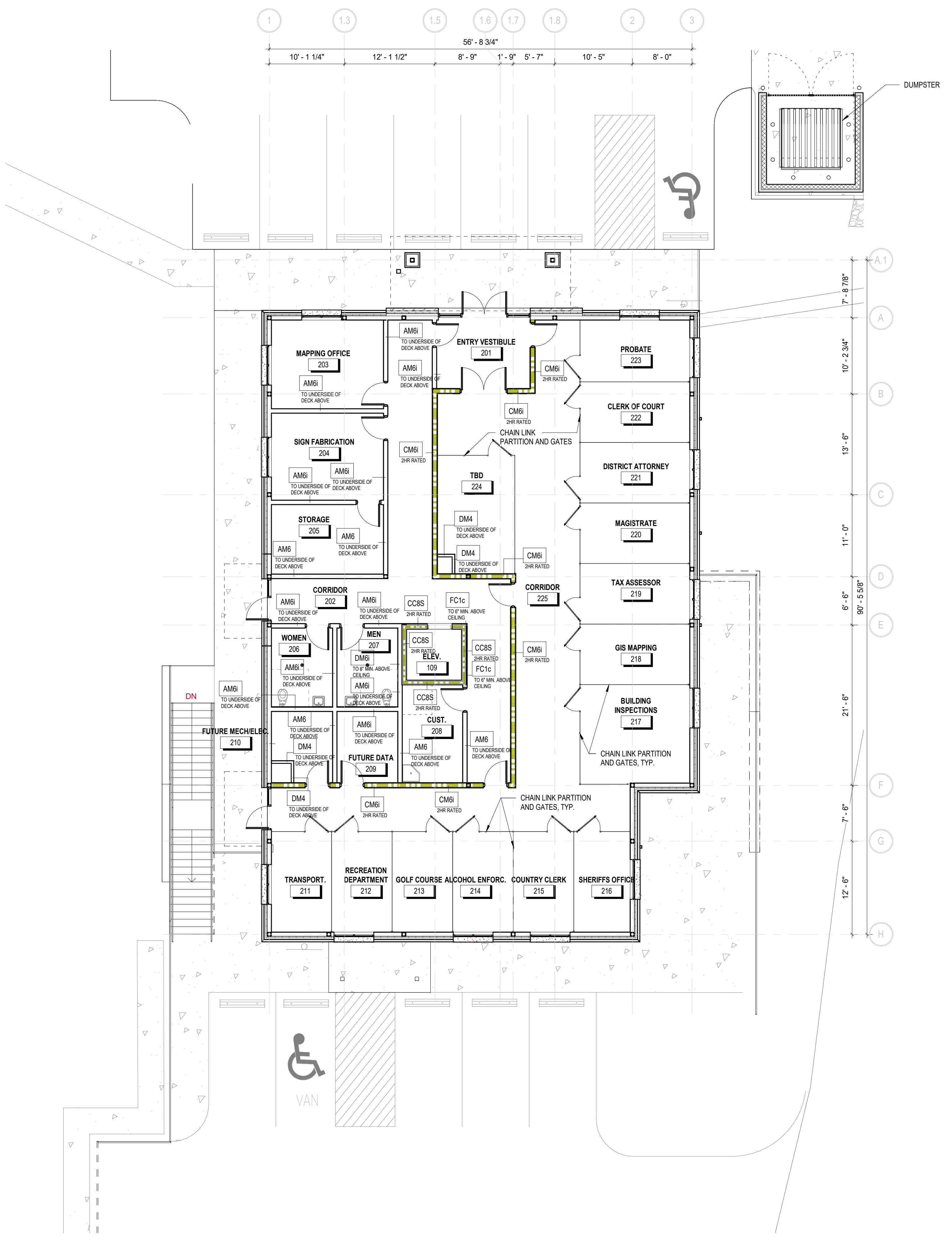
DRAWING NUMBER  
**A0.31**

**WALL TYPE PLAN LEGEND**

	METAL STUD WALL
	1 HOUR RATED WALL - 6\"/>
	2 HOUR RATED WALL - CMU OR 6\"/>
	PARTITION TYPE TAG - SEE SHEET A0.21

A = INDICATES REFERENCED WALL TYPE  
 C = CONCRETE MASONRY UNIT OR CEILING  
 M = METAL STUD FRAMING  
 S = SHAFT WALL

1 = 78\"/>



**2 LEVEL 02 WALL TYPE PLAN**  
 1/8" = 1'-0"  
 NORTH



**1 LEVEL 01 WALL TYPE PLAN**  
 1/8" = 1'-0"  
 NORTH

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REVISIONS

NO.	DATE	DESCRIPTION

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CC	YL	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

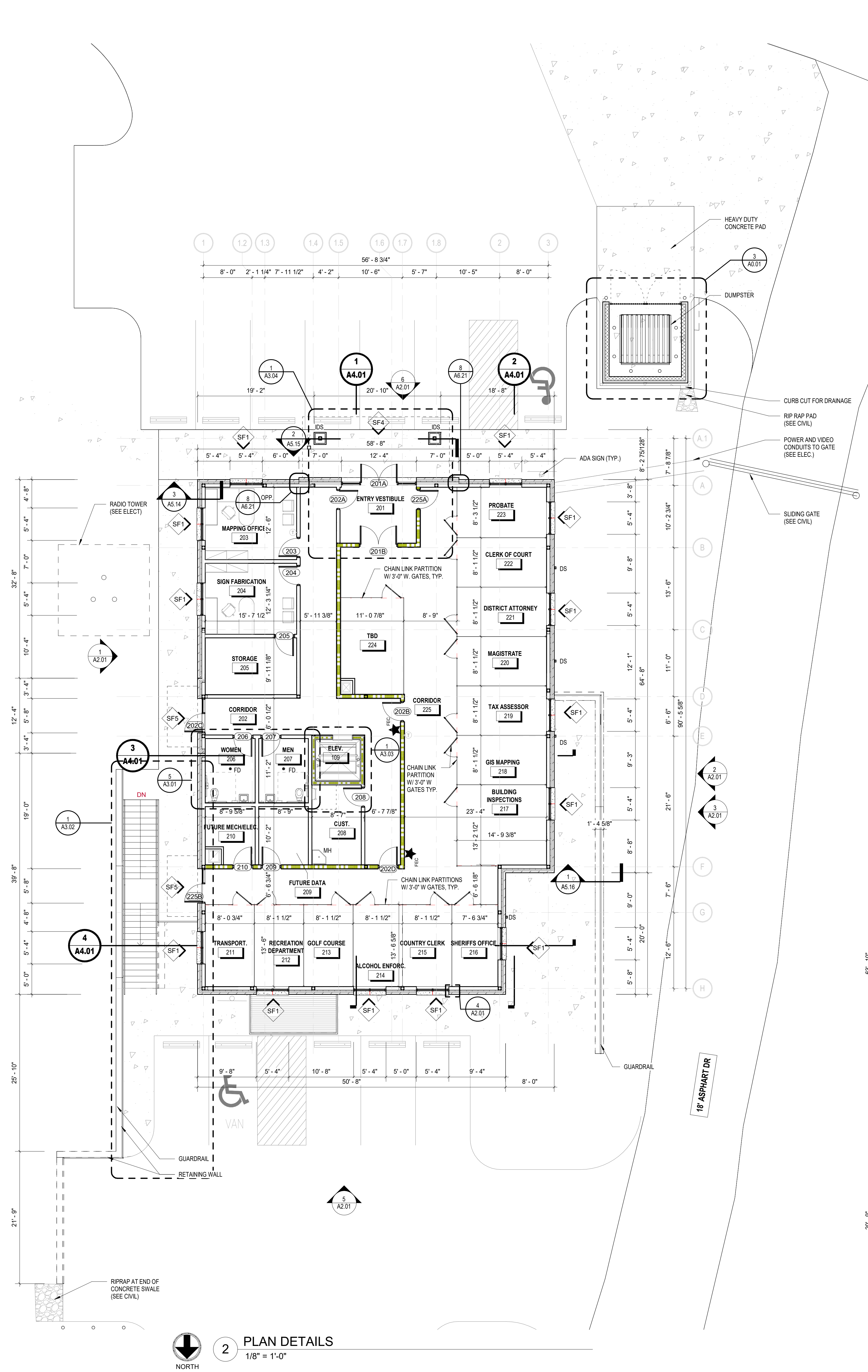
**NEW 911 CENTER FOR UNION COUNTY**  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**DIMENSION/REFERENCE PLAN - LEVEL 01, LEVEL 02**

DRAWING NUMBER

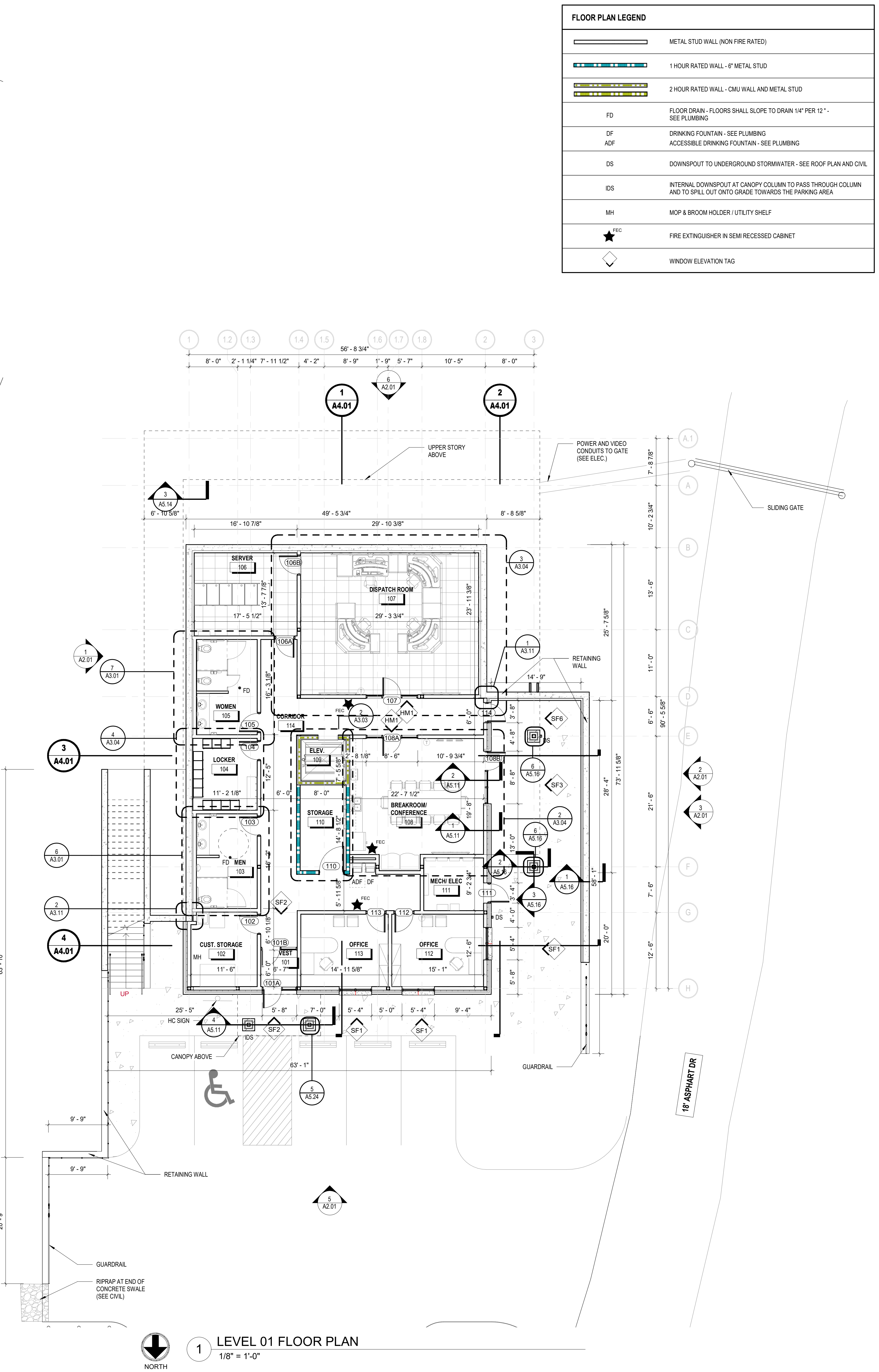
**A1.11**

**FLOOR PLAN LEGEND**

	METAL STUD WALL (NON FIRE RATED)
	1 HOUR RATED WALL - 6" METAL STUD
	2 HOUR RATED WALL - CMU WALL AND METAL STUD
FD	FLOOR DRAIN - FLOORS SHALL SLOPE TO DRAIN 1/4" PER 12" - SEE PLUMBING
DF	DRINKING FOUNTAIN - SEE PLUMBING
ADF	ACCESSIBLE DRINKING FOUNTAIN - SEE PLUMBING
DS	DOWNSPOUT TO UNDERGROUND STORMWATER - SEE ROOF PLAN AND CIVIL
IDS	INTERNAL DOWNSPOUT AT CANOPY COLUMN TO PASS THROUGH COLUMN AND TO SPILL OUT ONTO GRADE TOWARDS THE PARKING AREA
MH	MOP & BROOM HOLDER / UTILITY SHELF
	FIRE EXTINGUISHER IN SEMI RECESSED CABINET
	WINDOW ELEVATION TAG

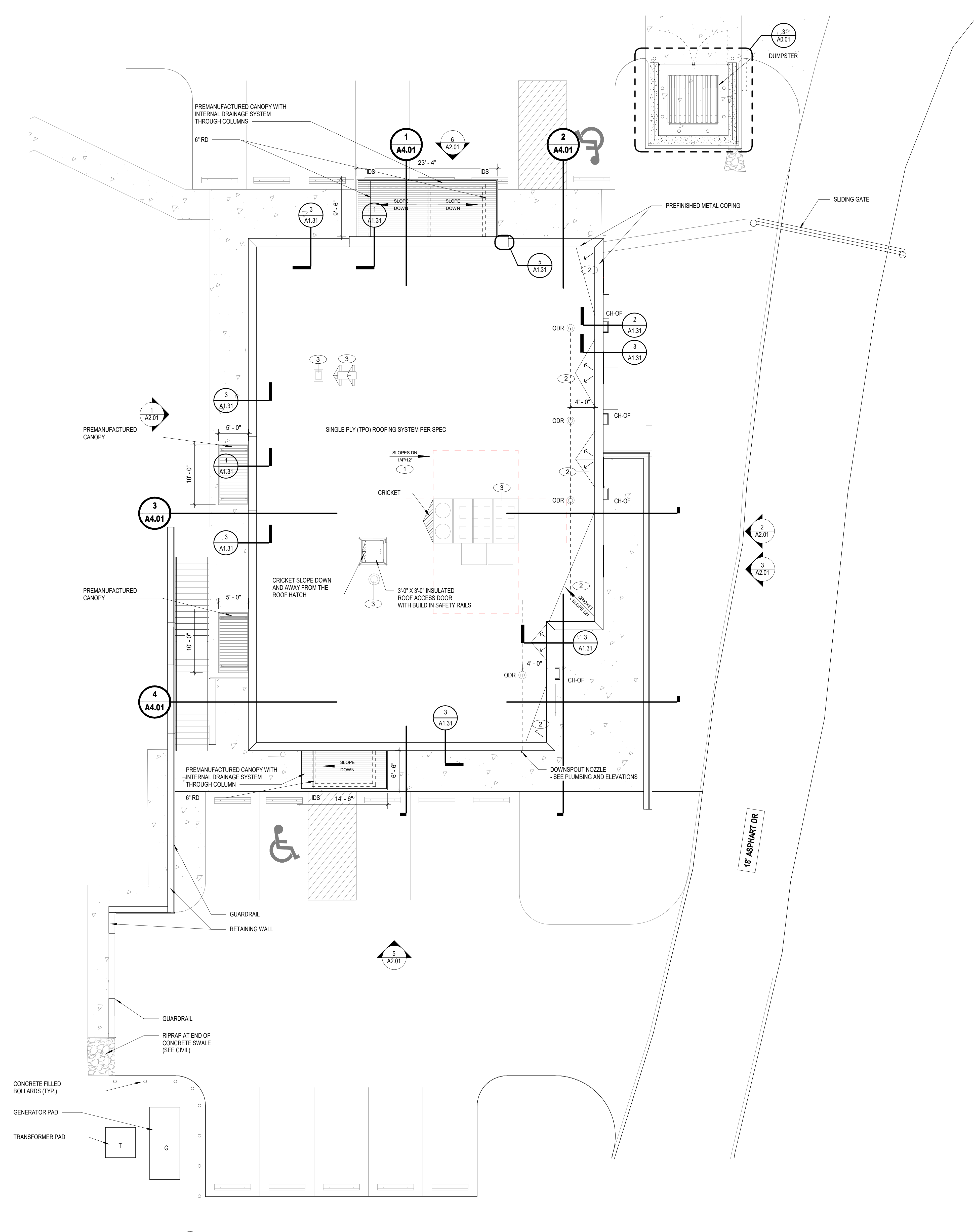


**2 PLAN DETAILS**  
 1/8" = 1'-0"



**1 LEVEL 01 FLOOR PLAN**  
 1/8" = 1'-0"

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ROOF PLAN LEGEND	
CH-OF	THRU WALL SCUPPER TO CONDUCTOR HEAD WITH OVERFLOW AND DOWNSPOUT - SEE ELEVATIONS AND DETAIL 2 / A1.31
DS	SMOOTH RECTANGULAR DOWNSPOUT TO CONNECT TO UNDERGROUND STORMWATER SYSTEM - SEE CIVIL
IDS	INTERNAL DOWNSPOUT AT CANOPY COLUMN TO PASS THROUGH COLUMN AND TO SPILL OUT ONTO GRADE TOWARDS THE PARKING AREA
WP	ROOF WALKWAY PADS - SHALL BE COMPATIBLE WITH TPO ROOFING SYSTEM - PADS SHALL BE PLACED AT ROOF HATCH AND AROUND MECHANICAL UNITS TO PROVIDE PROTECTION WHILE SERVICING EQUIPMENT
ODR	OVERFLOW ROOF DRAIN - SEE PLUMBING AND DETAIL 2 / A1.31

GENERAL NOTES:  
1. SEE PLUMBING AND MECHANICAL DRAWINGS FOR ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS.

KEYED NOTES :

①	SINGLE PLY MEMBRANE (TPO) ROOFING OVER 1/2" OVERLAY BOARD OVER 6" (R-30 MIN) RIGID INSULATION OVER METAL DECKING.
②	USE RIGID INSULATION TO PROVIDE CRICKET SLOPE
③	MECHANICAL EQUIPMENT - SEE MECHANICAL

ROOF NOTES :

- ROOF INSTALLATION MUST MEET ALL NATIONAL ROOFING CONTRACTORS ASSOCIATION GUIDELINES AND ROOF MANUFACTURER'S PRINTED INSTRUCTIONS FOR 20 YEAR WARRANTY WITH FLASHING ENDORSEMENTS.
- ALL ROOF SURFACES TO HAVE MIN. 1/4" FT. SLOPE. CRICKET w/TAPERED INSULATION AS NEEDED BEHIND HVAC UNITS.
- COORDINATE ROOFING WORK WITH MECH/HVAC WORK. KEEP BUILDING WEATHERTIGHT.
- INDICATED THICKNESS FOR METALS ARE TO ESTABLISH MINIMUM REQUIREMENTS ONLY. PROVIDE METALS OF SUFFICIENT THICKNESS FOR THE CONDITION. ANY METALS THAT INDICATE "OIL-CANNING" AFTER INSTALLATION WILL BE REQUIRED TO BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- INSTALL 2 ROWS OF 30" WALKWAY PADS AROUND ALL ROOF TOP UNITS AND AT ROOF HATCH. TYPICAL. PER SPECS.
- ALL ROOF TOP UNITS ARE TO BE COUNTERFLASHED AND INSULATED BY ROOFING CONTRACTOR.
- ALL COPINGS TO HAVE STANDING SEAMS @ 10" MAX. PER SMACNA PLATE B8, SECTION A-A.
- GAS PIPE ABOVE THE ROOF TO BE PAINTED YELLOW PER THE SPECIFICATIONS.



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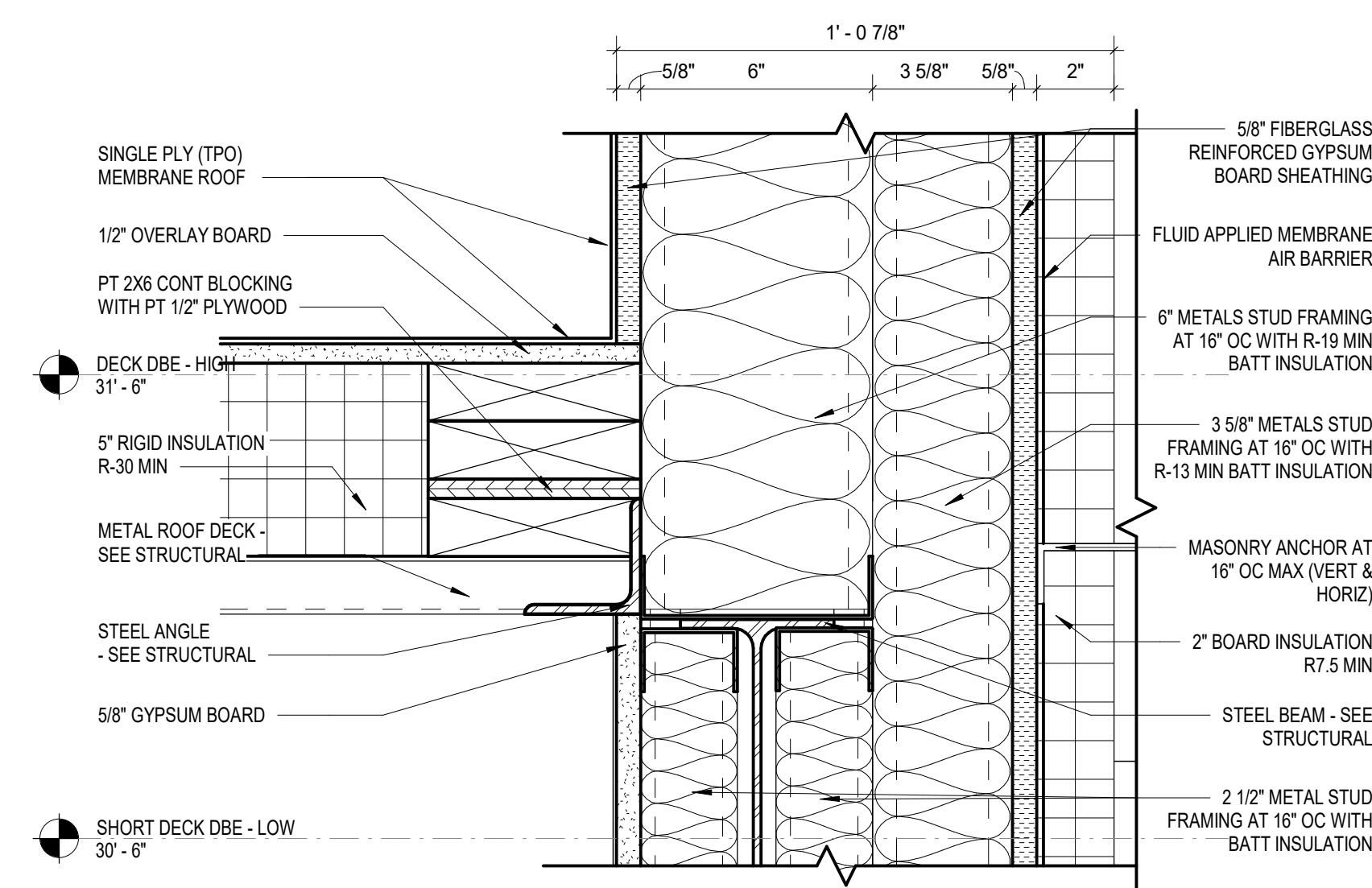
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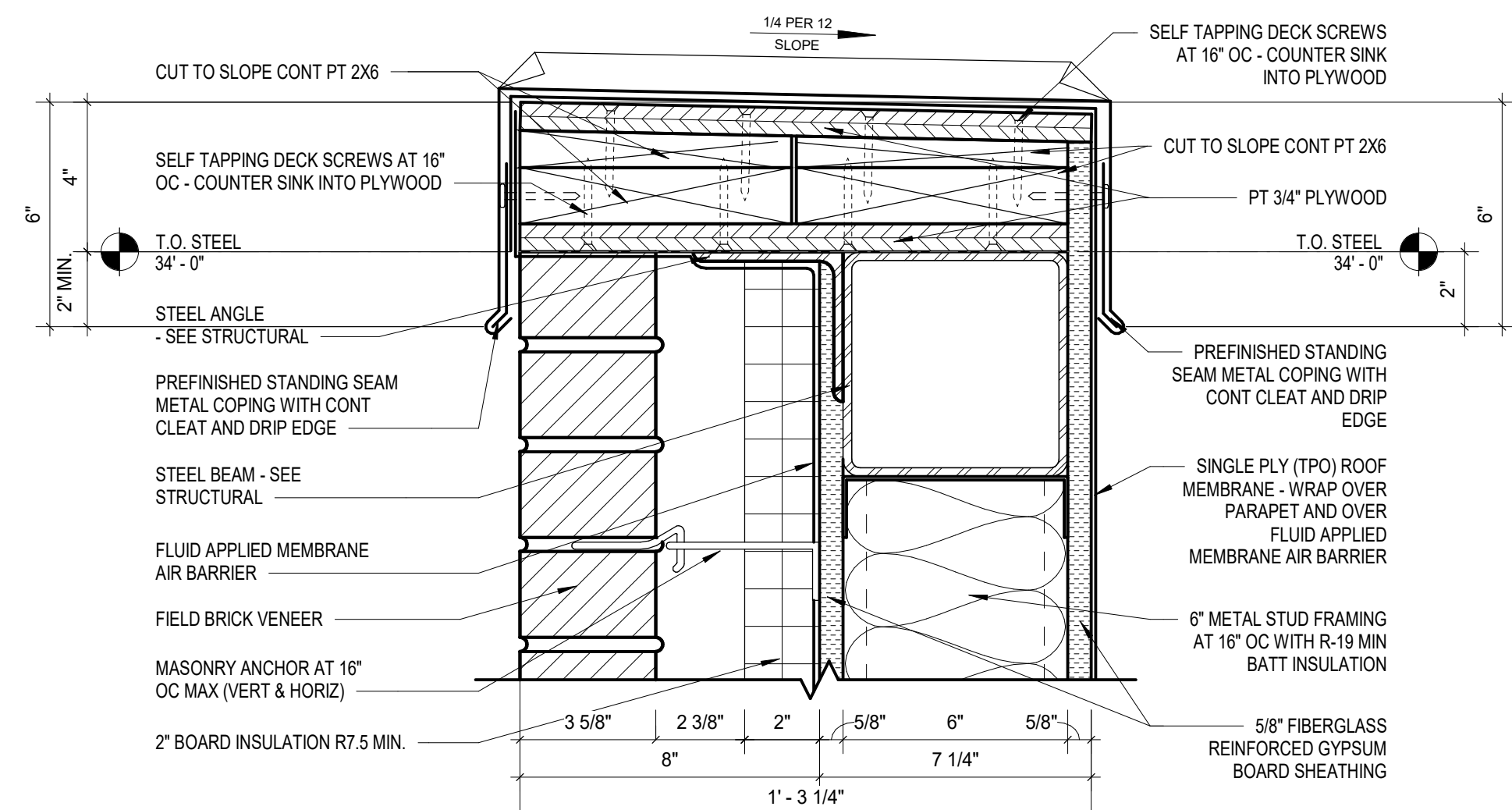
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DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
 UNION COUNTY  
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**ROOF PLAN**

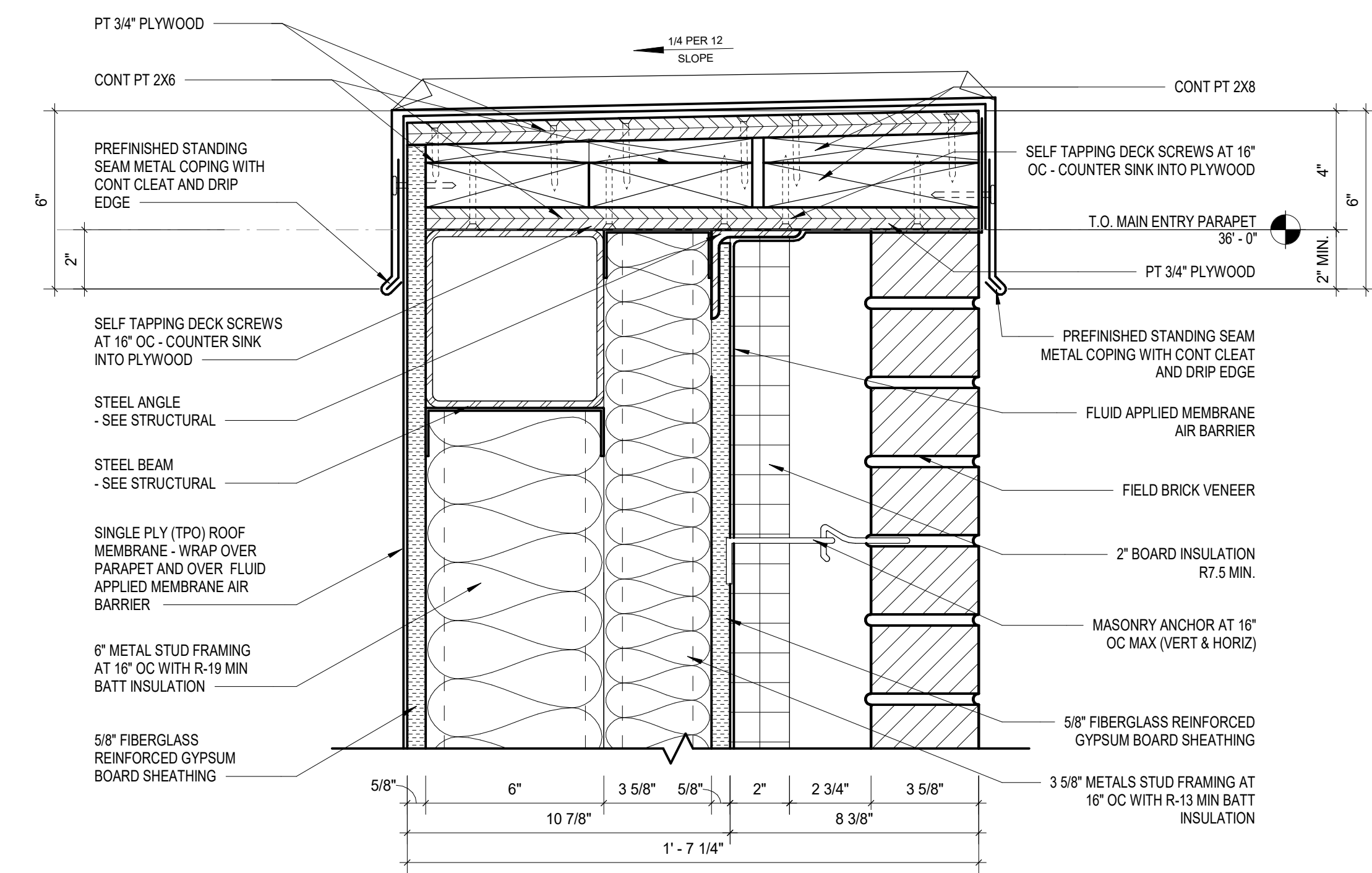
**1** OVERALL ROOF PLAN  
 1/8" = 1'-0"



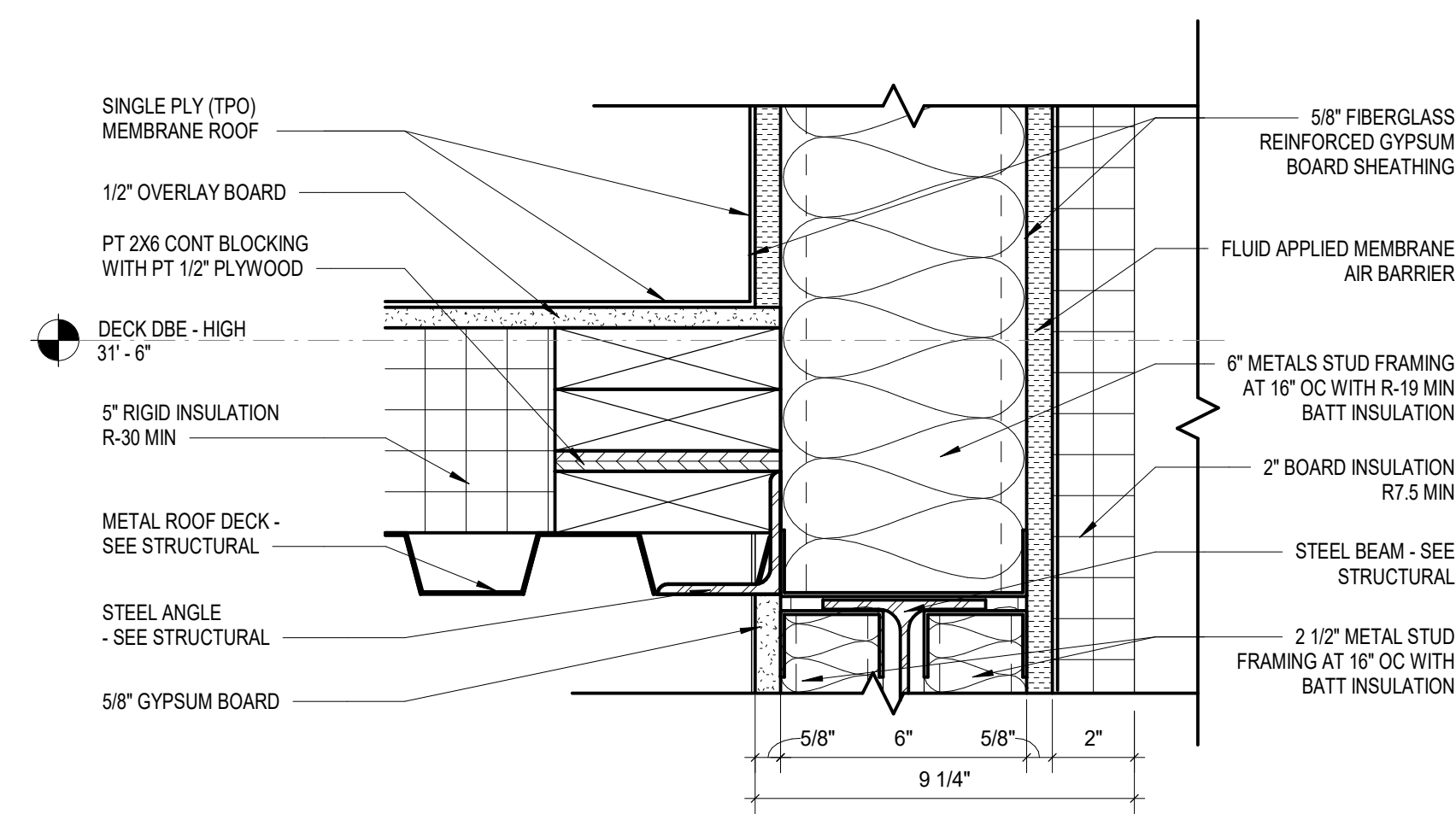
6 ROOF DECK AT HIGH PARAPET  
3" = 1'-0"



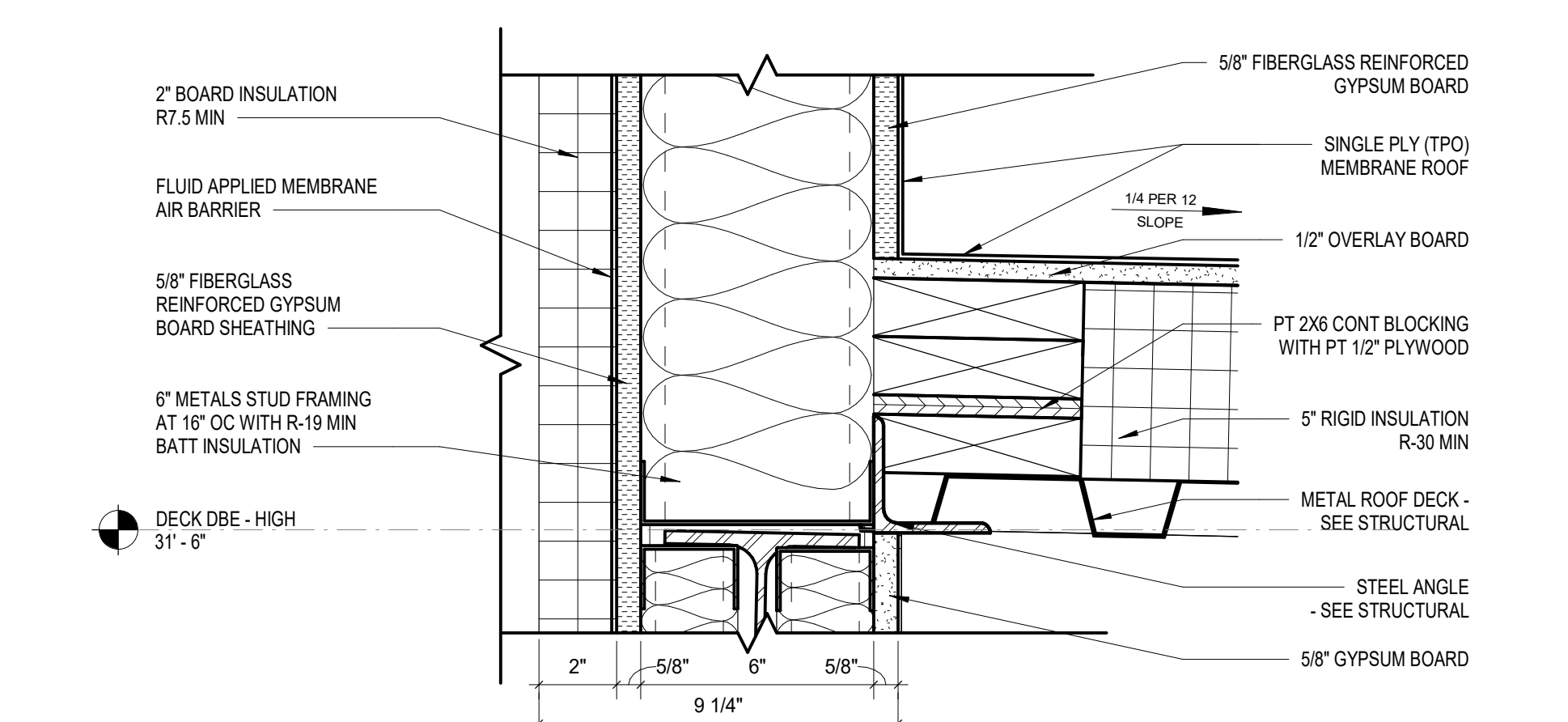
3 WALL PARAPET DETAIL AT LOW PARAPET  
3" = 1'-0"



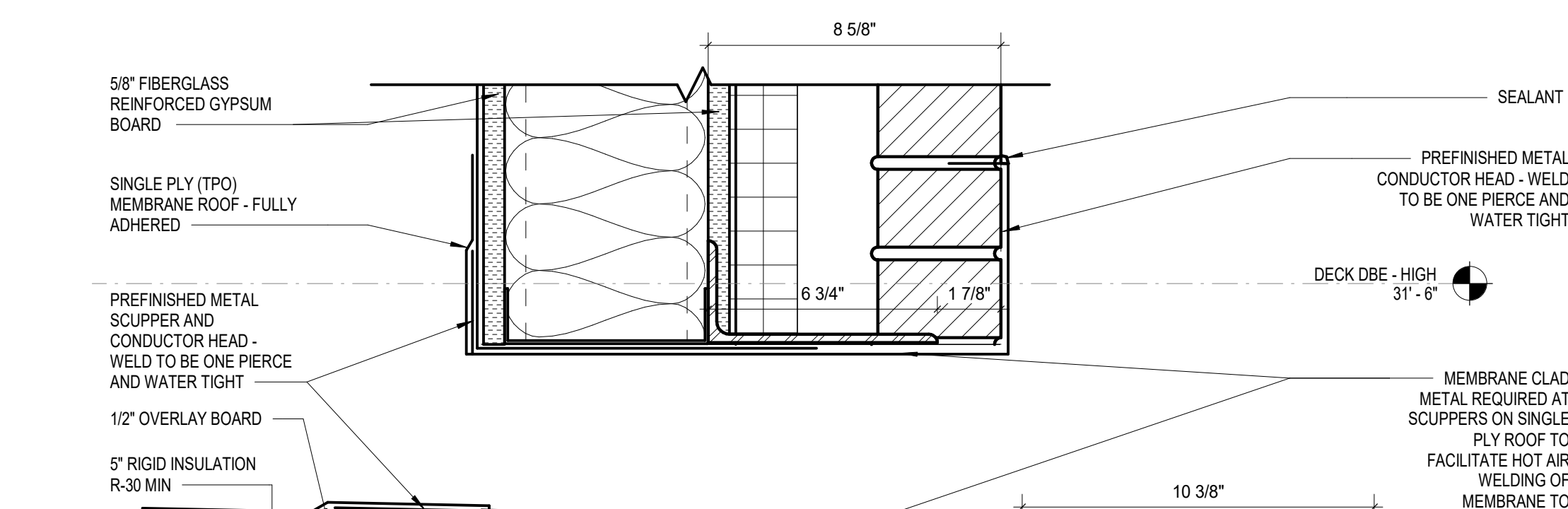
1 WALL PARAPET DETAIL AT HIGH PARAPET  
3" = 1'-0"



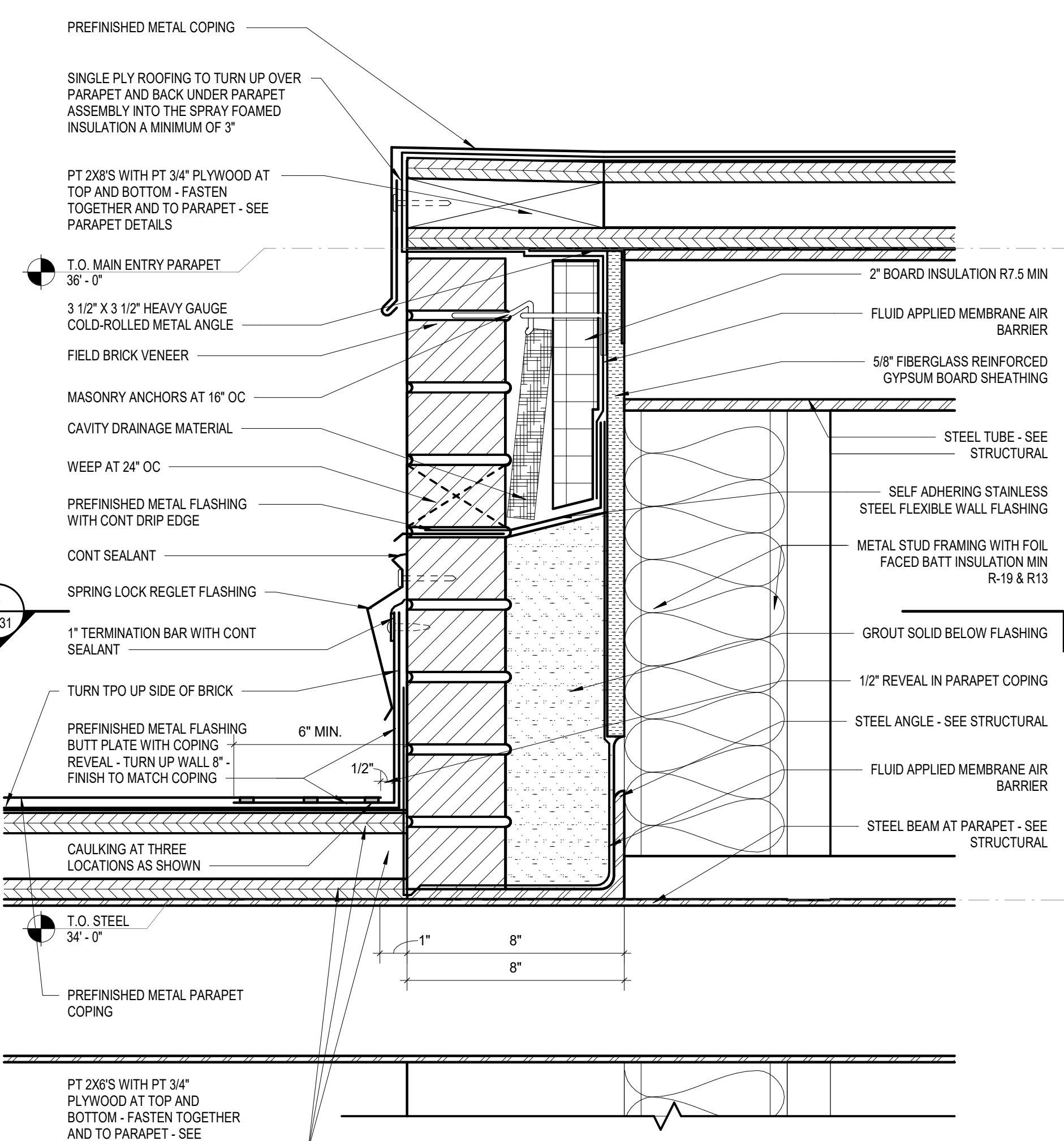
7 ROOF DECK AT PARAPET  
3" = 1'-0"



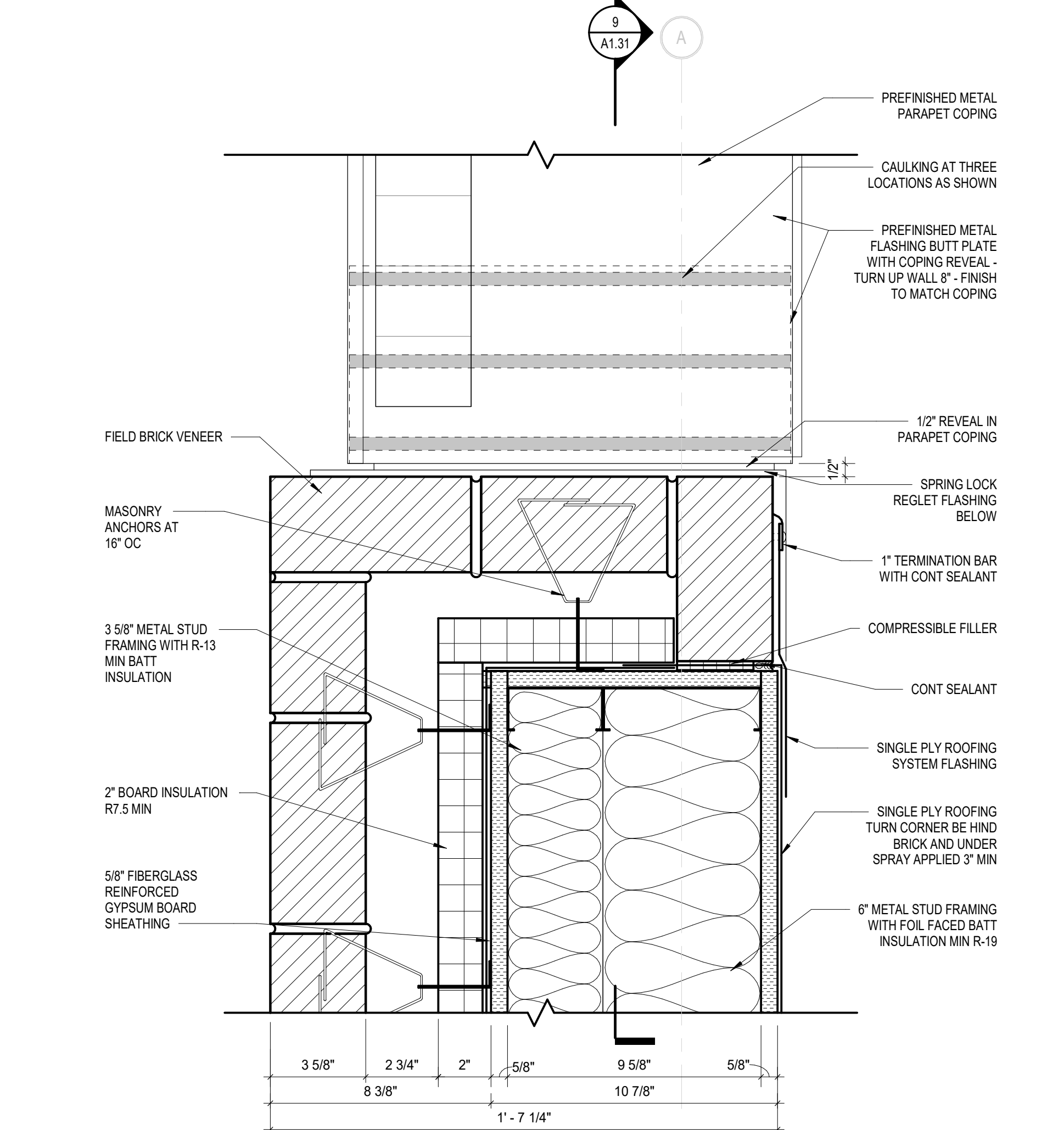
4 ROOF DECK AT PARAPET  
3" = 1'-0"



2 SCUPPER SECTION DETAIL  
3" = 1'-0"



9 PARAPET TRANSITION DETAIL SECTION  
3" = 1'-0"



5 PARAPET TRANSITION COPING/FLASHING DETAIL PLAN  
3" = 1'-0"



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REVISIONS:

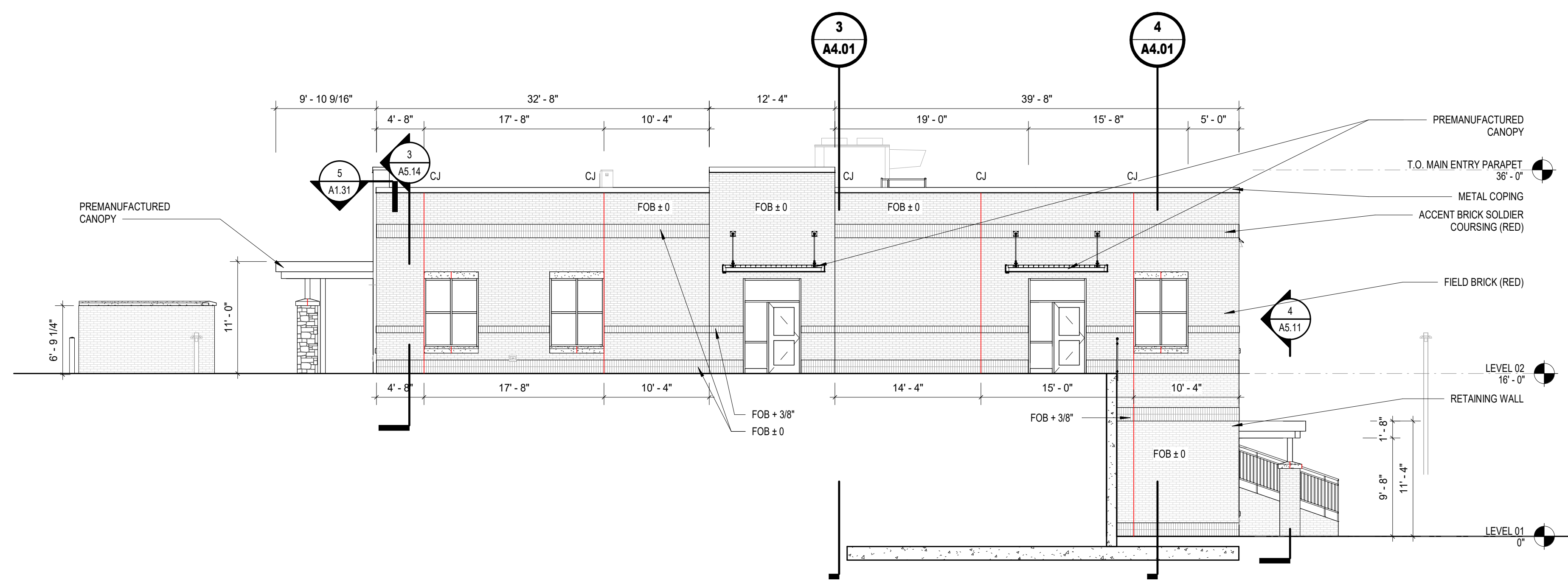
NO.	DATE	DESCRIPTION

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DATE: 12/06/2024		
JOB NO. 624 1109 01		

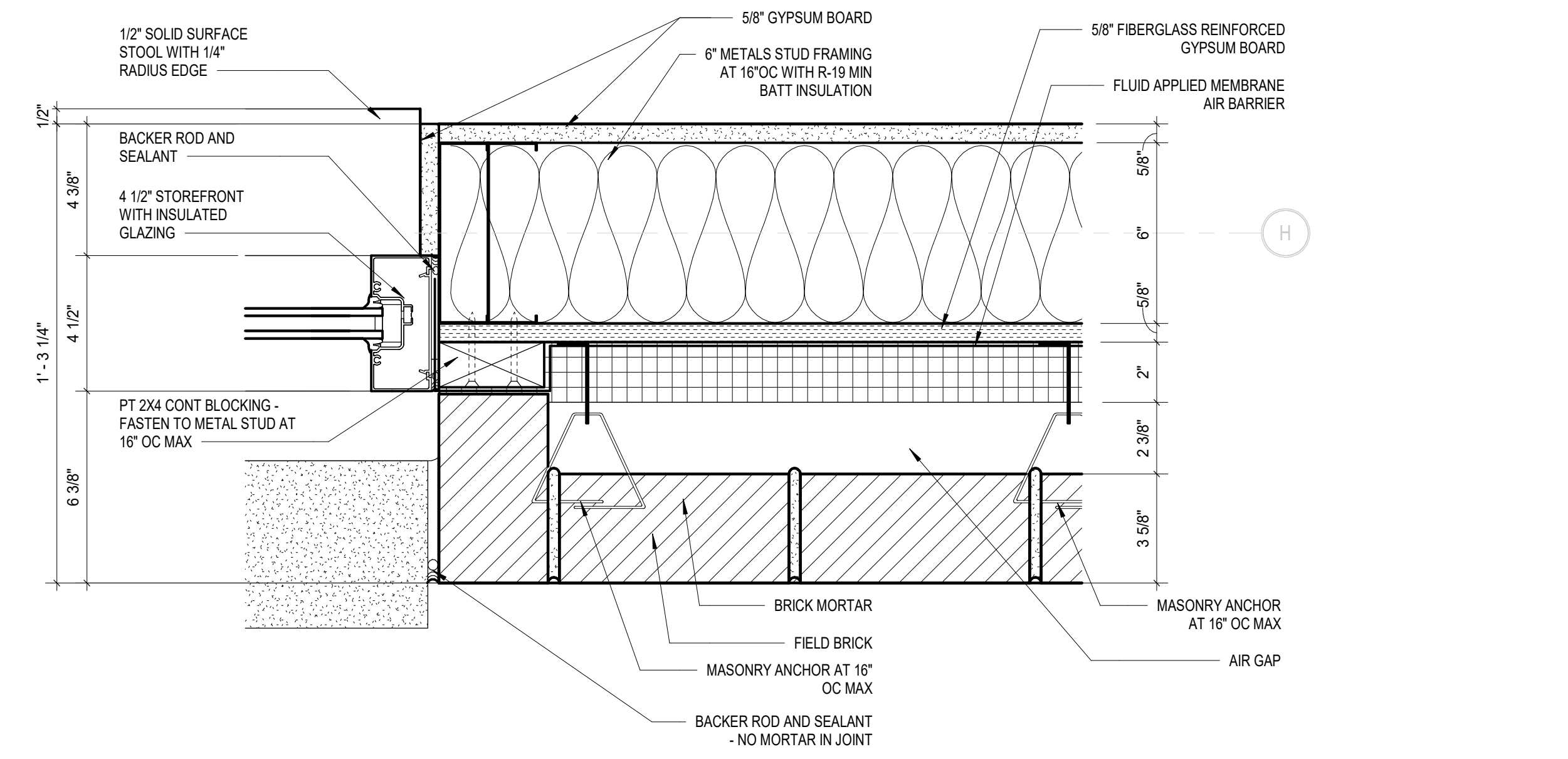
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**A1.31**

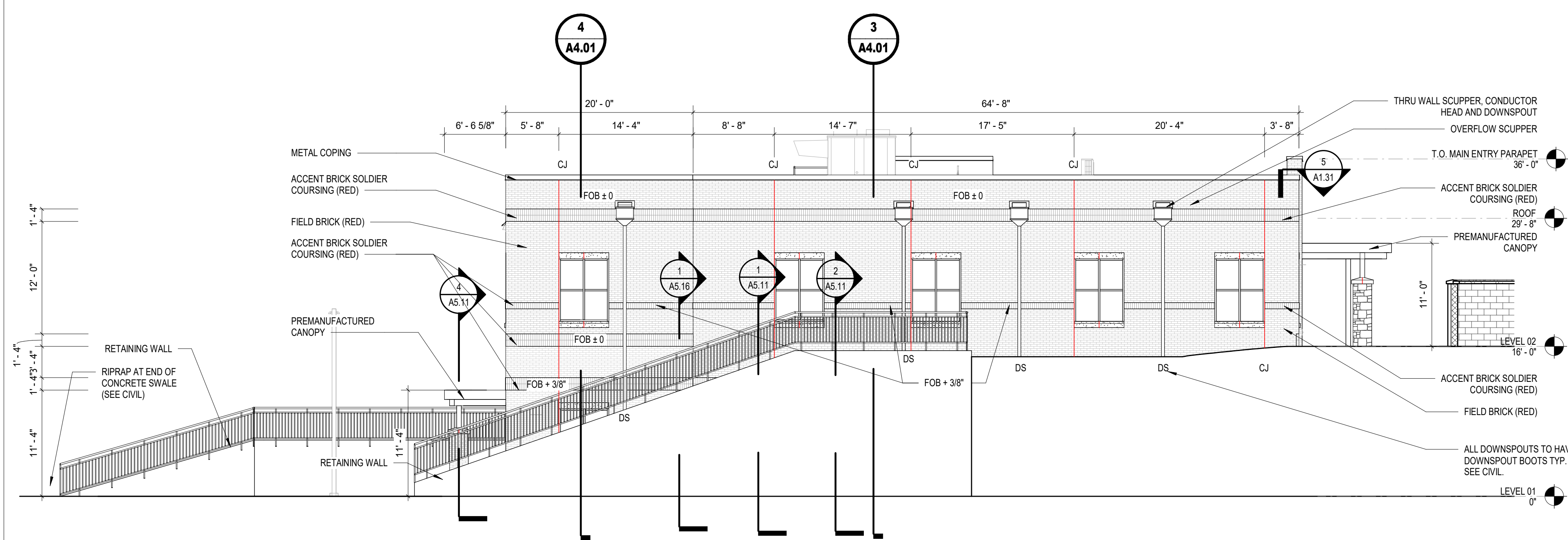




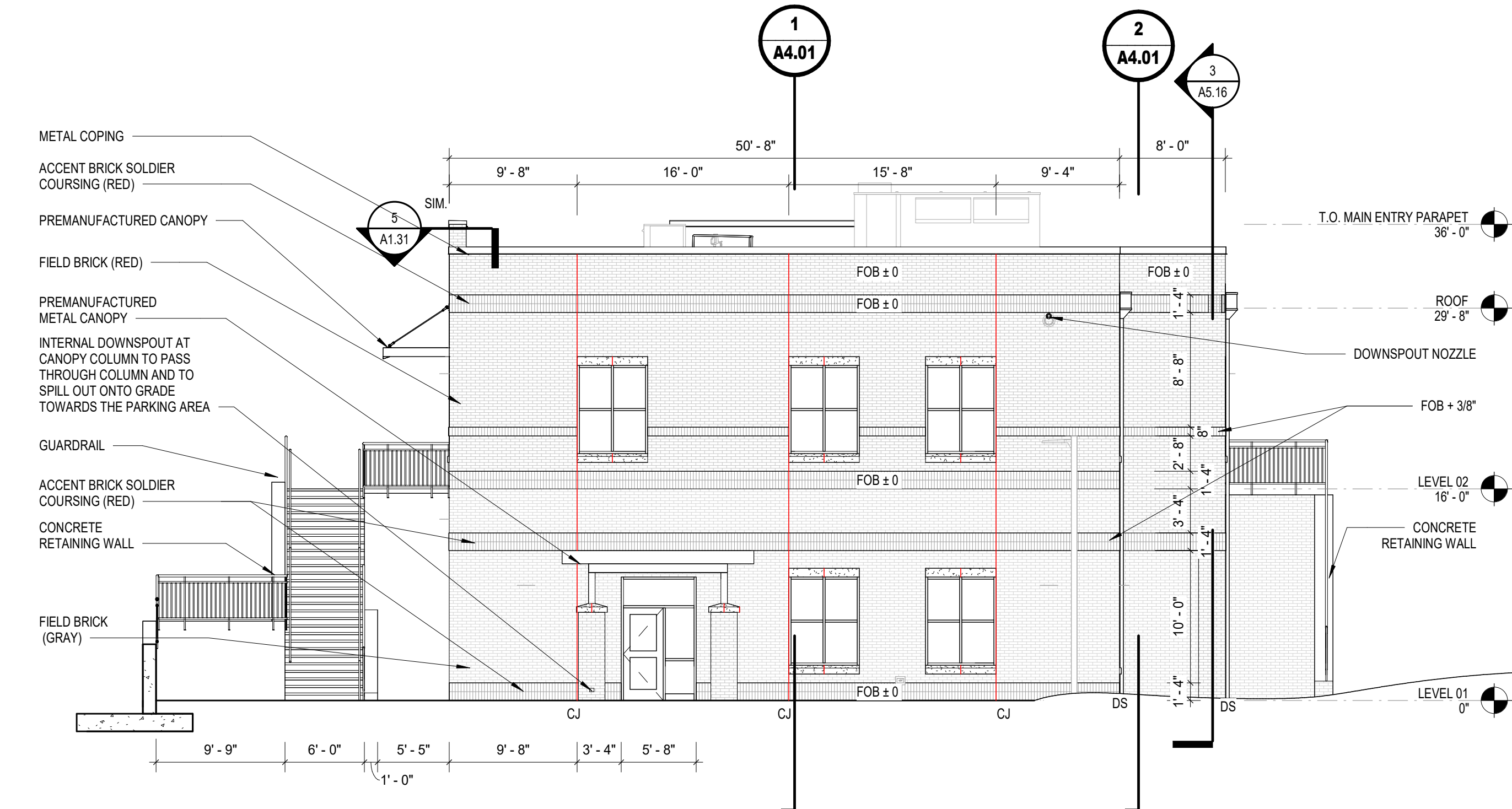
1 BUILDING ELEVATION - EAST  
1/8" = 1'-0"



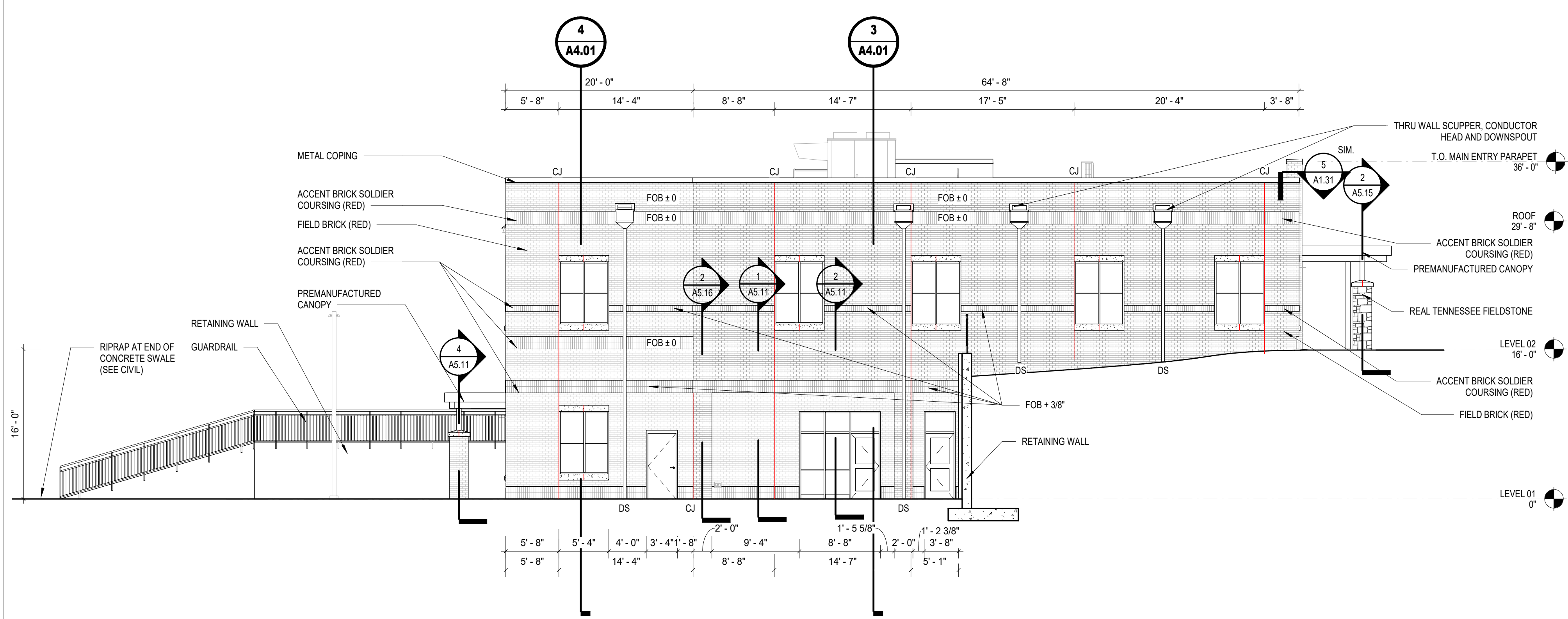
4 TYPICAL BRICK CONTROL JOINT  
3" = 1'-0"



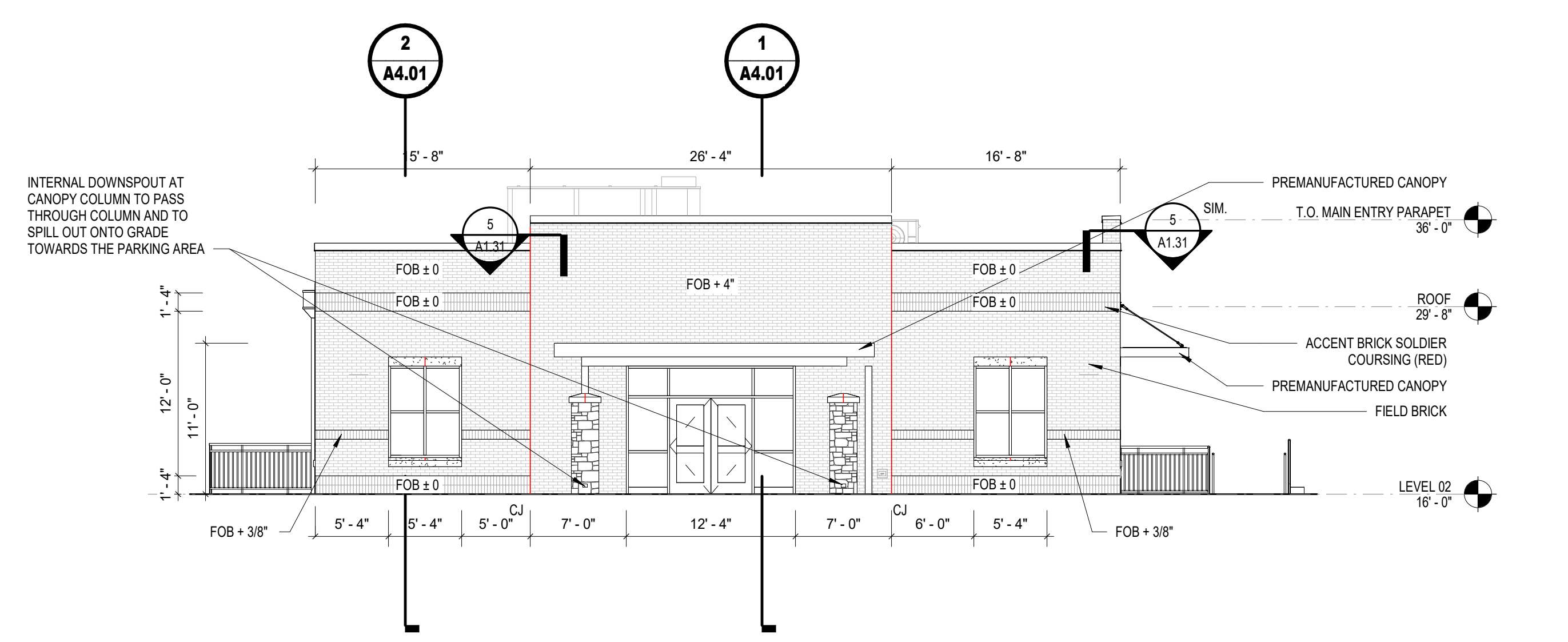
2 BUILDING ELEVATION - WEST 1  
1/8" = 1'-0"



5 BUILDING ELEVATION - NORTH  
1/8" = 1'-0"



3 BUILDING ELEVATION - WEST 2  
1/8" = 1'-0"



6 BUILDING ELEVATION - SOUTH  
1/8" = 1'-0"



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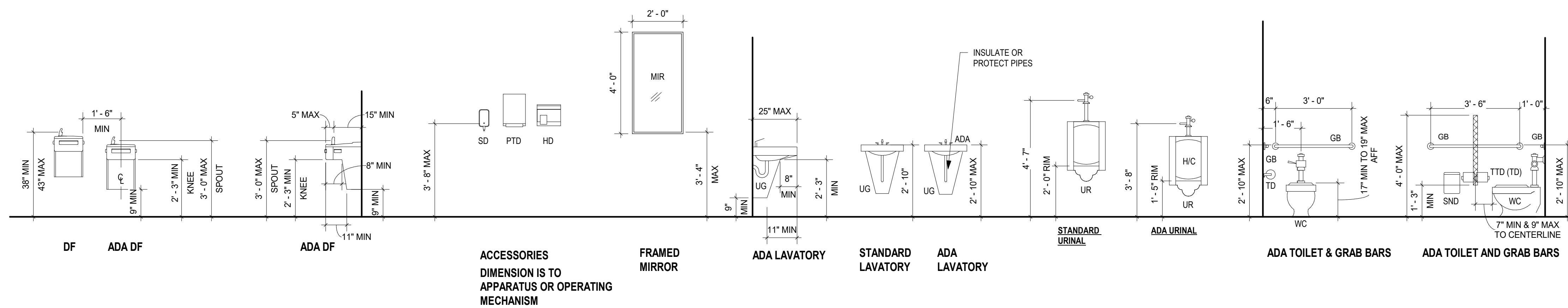
REVISIONS:

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CC	YL	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

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UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
BUILDING ELEVATIONS

DRAWING NUMBER  
**A2.01**



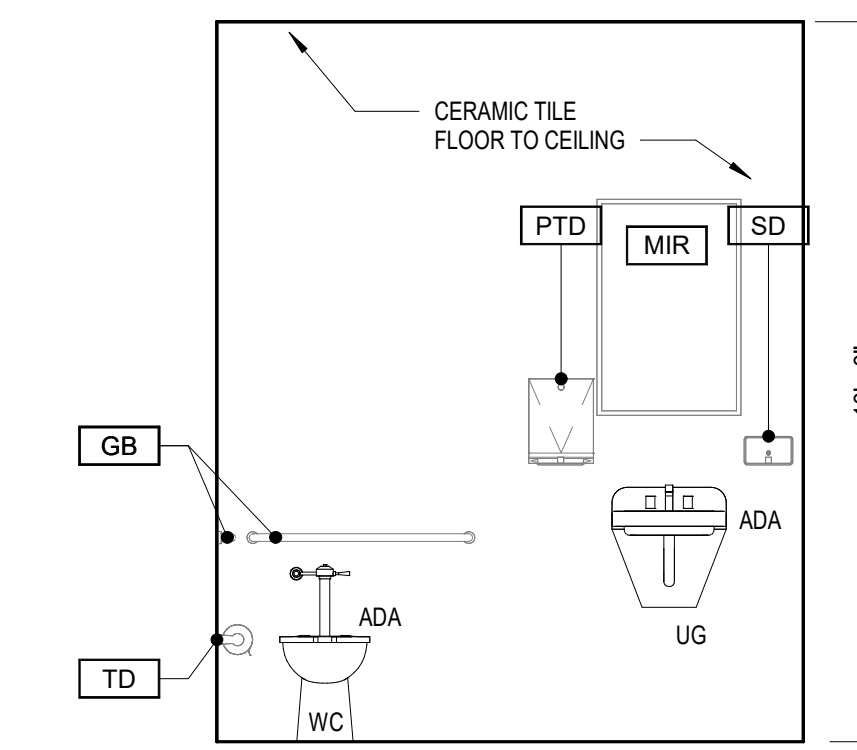
**MATERIALS ABBREVIATION LEGEND :**

- B - WALL BASE
- ACT - ACOUSTICAL CEILING TILE
- CP - CEILING PLANKS
- F - FLOOR FINISH
- LVT - LUXURY VINYL TILE
- M - MISC. FINISH
- PNT - PAINT
- CT - CERAMIC TILE
- PT - PORCELAIN TILE
- PLAM - PLASTIC LAMINATE
- QT - QUARRY TILE
- RT - RUBBER TREAD
- SS - SOLID SURFACE
- SV - SHEET VINYL
- W - WALL FINISH

TOILET ACCESSORIES LEGEND	
NAME	DESCRIPTION
ADA	INDICATES TO MOUNT FIXTURE AT ACCESSIBLE HEIGHT IN COMPLIANCE WITH THE 2010 ADA STANDARD FOR ACCESSIBLE DESIGN
FD	FLOOR DRAIN - SEE PLUMBING (SLOPES TO FLOOR DRAIN SHALL BE 1/4" / 12')
GB	1-1/2" DIA. HEAVY DUTY SS GRAB BAR (36" AND 42")
MH	MOP AND BROOM HOLDER/UTILITY SHELF - PROVIDE AT EACH CUSTODIAL CLOSET. SEE FLOOR PLAN
MIR	24"x48" SS FRAMED WALL MIRROR ATTACHED W/ CONCEALED FASTENERS - WITH 1/4" TEMPERED GLASS MIRROR
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TD	TOILET TISSUE DISPENSER
UG	UNDERLAVATORY GUARD (LAVATORY PROTECTIVE ENCLOSURE)
UR	URINAL - SEE PLUMBING
WC	WATER CLOSET - SEE PLUMBING

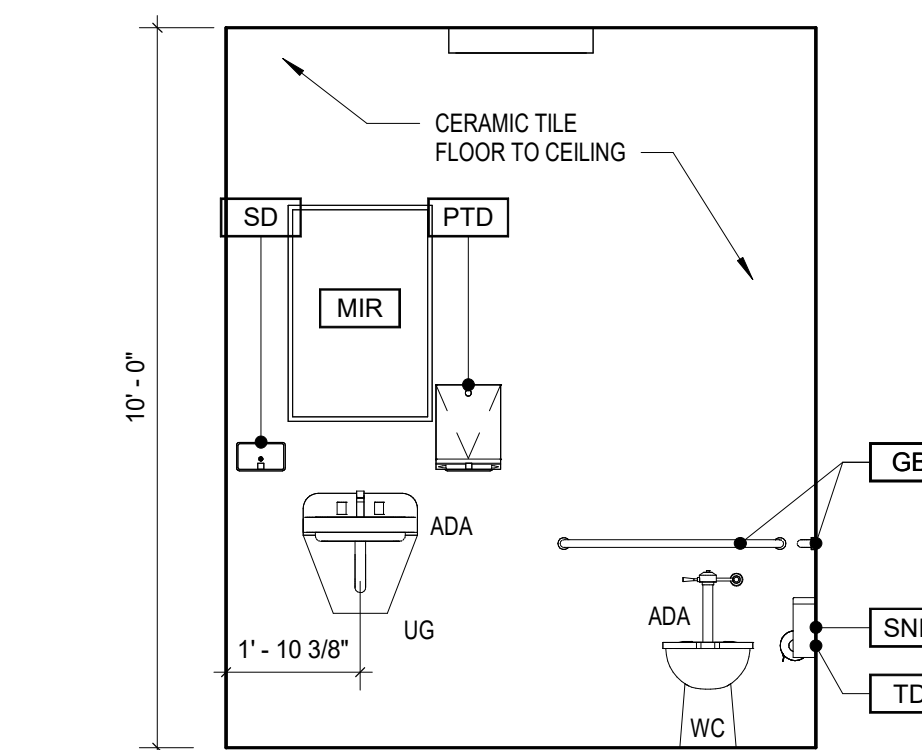
**A3.10 TOILET ACCESSORIES HEIGHTS LEGEND**

3/8" = 1'-0"



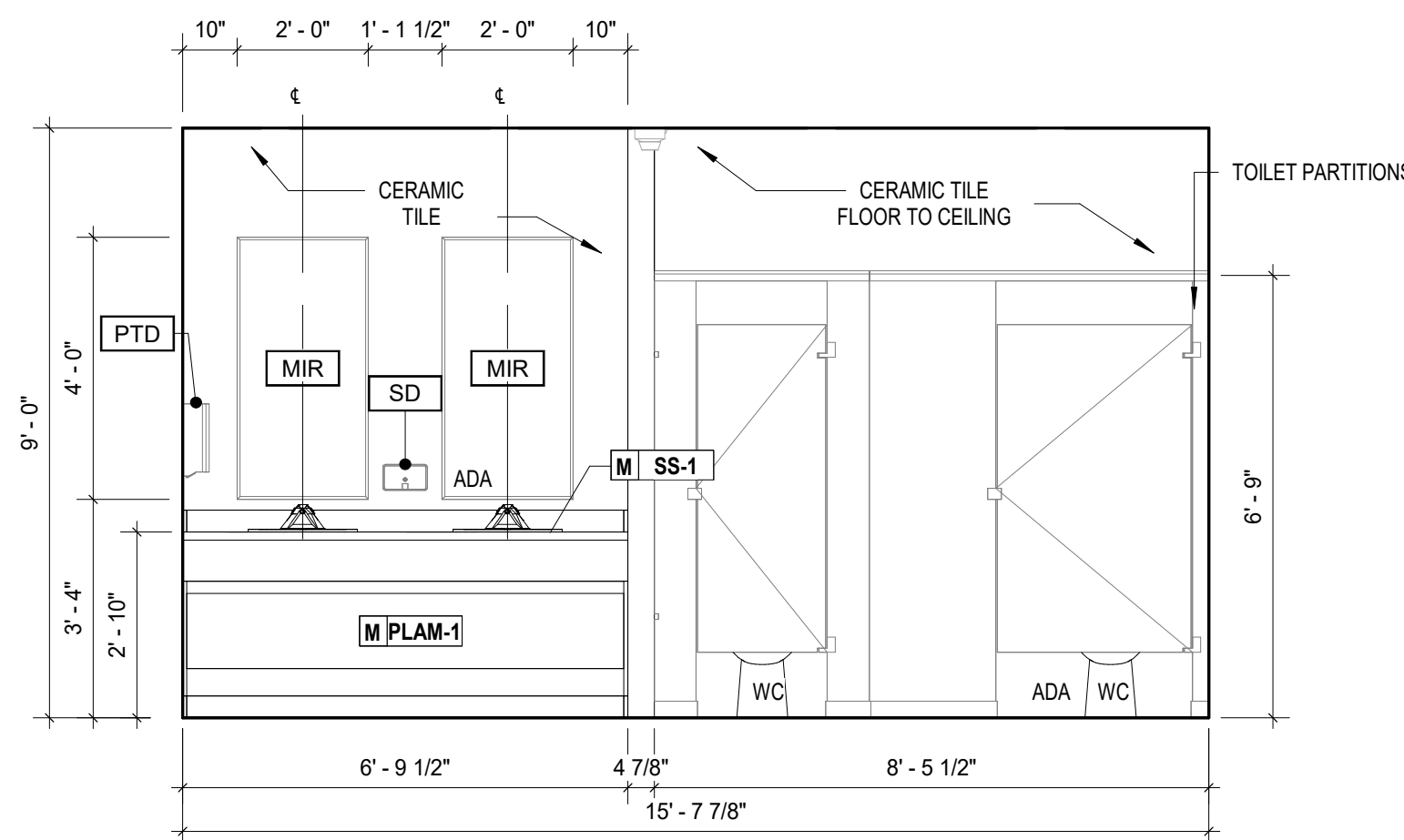
**1 MEN ENLARGED TOILET 207 ELEVATION**

3/8" = 1'-0"



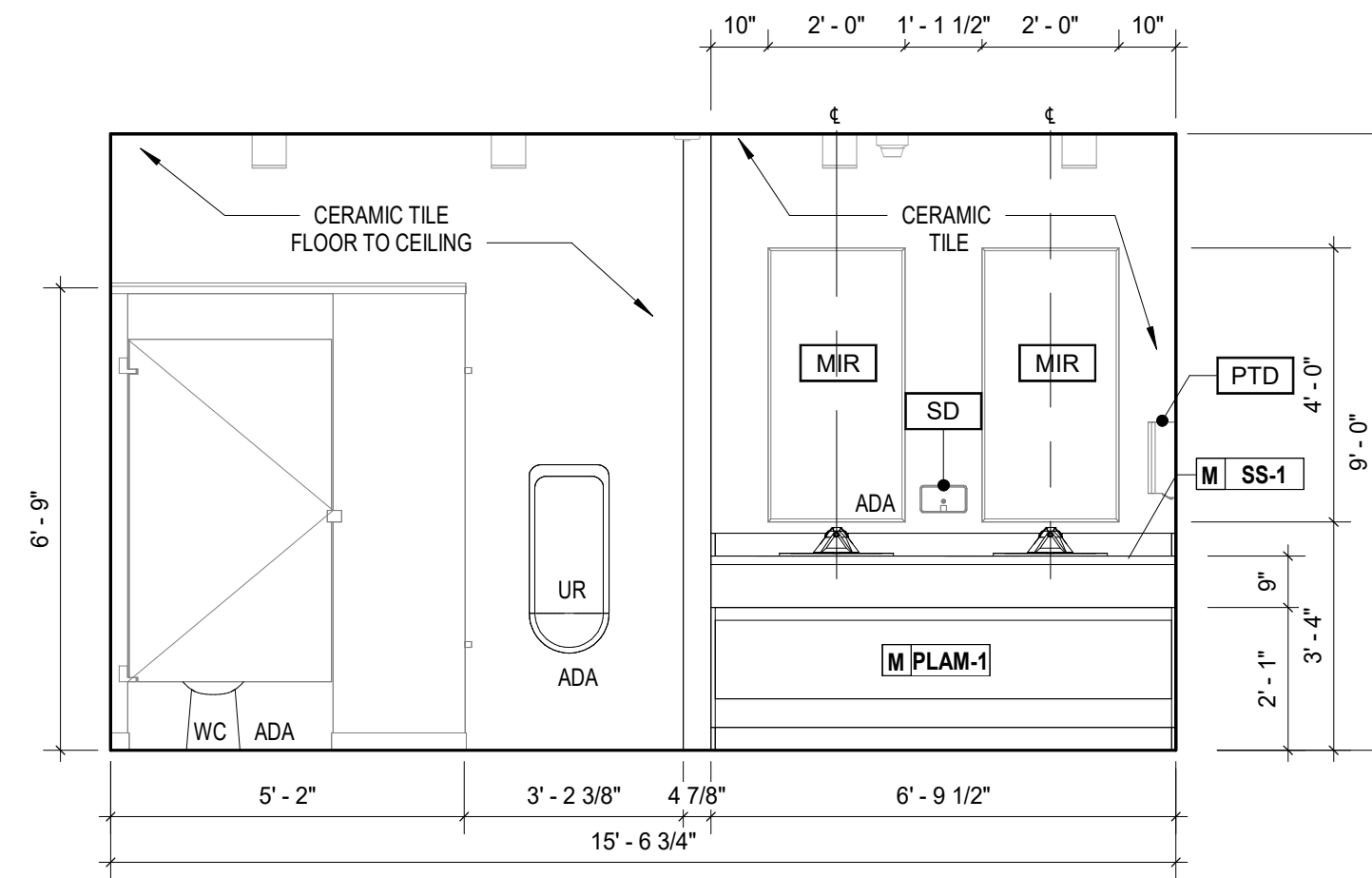
**2 WOMEN ENLARGED TOILET 206 ELEVATION**

3/8" = 1'-0"



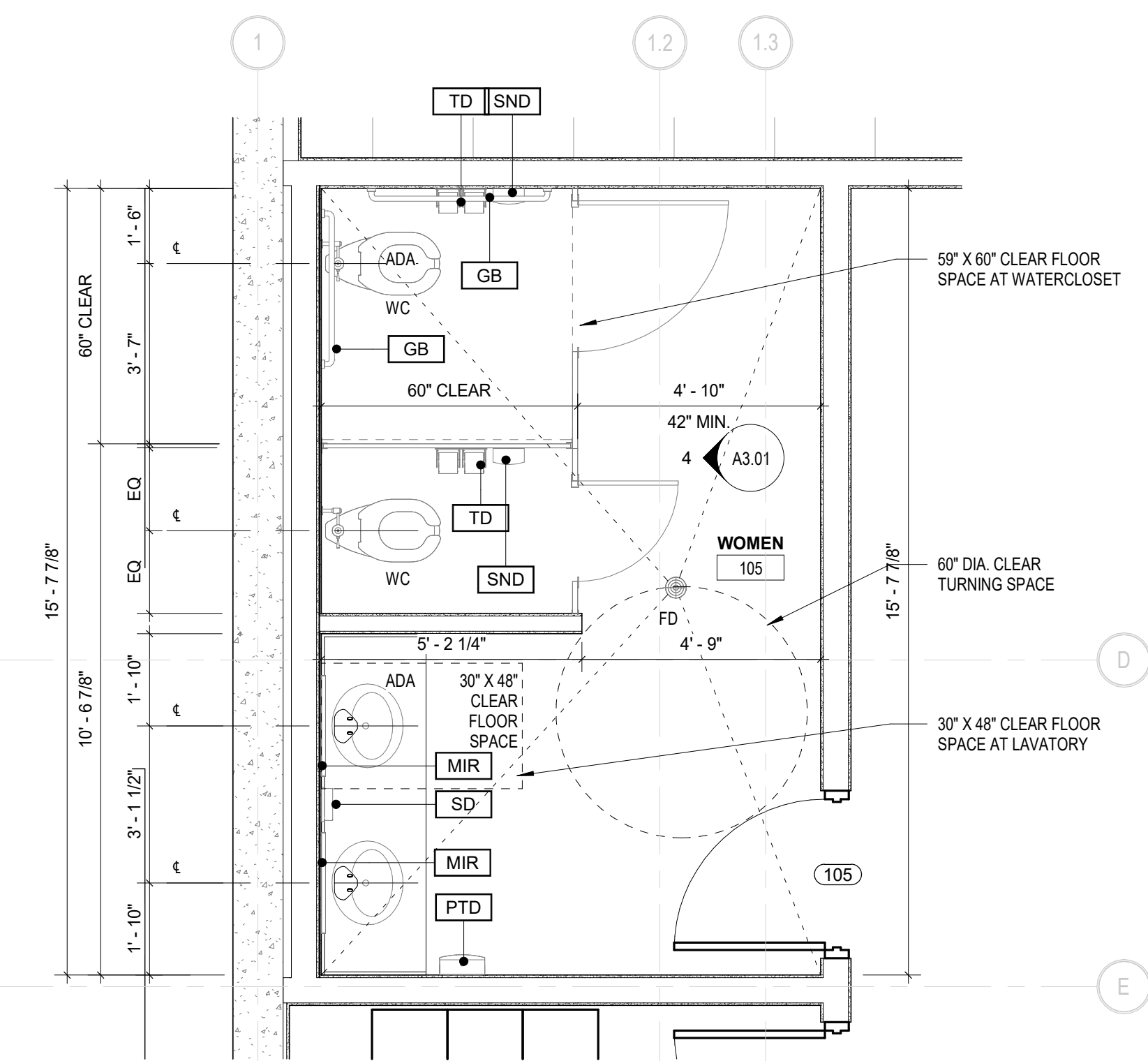
**4 WOMEN ENLARGED TOILET 105 ELEVATION**

3/8" = 1'-0"



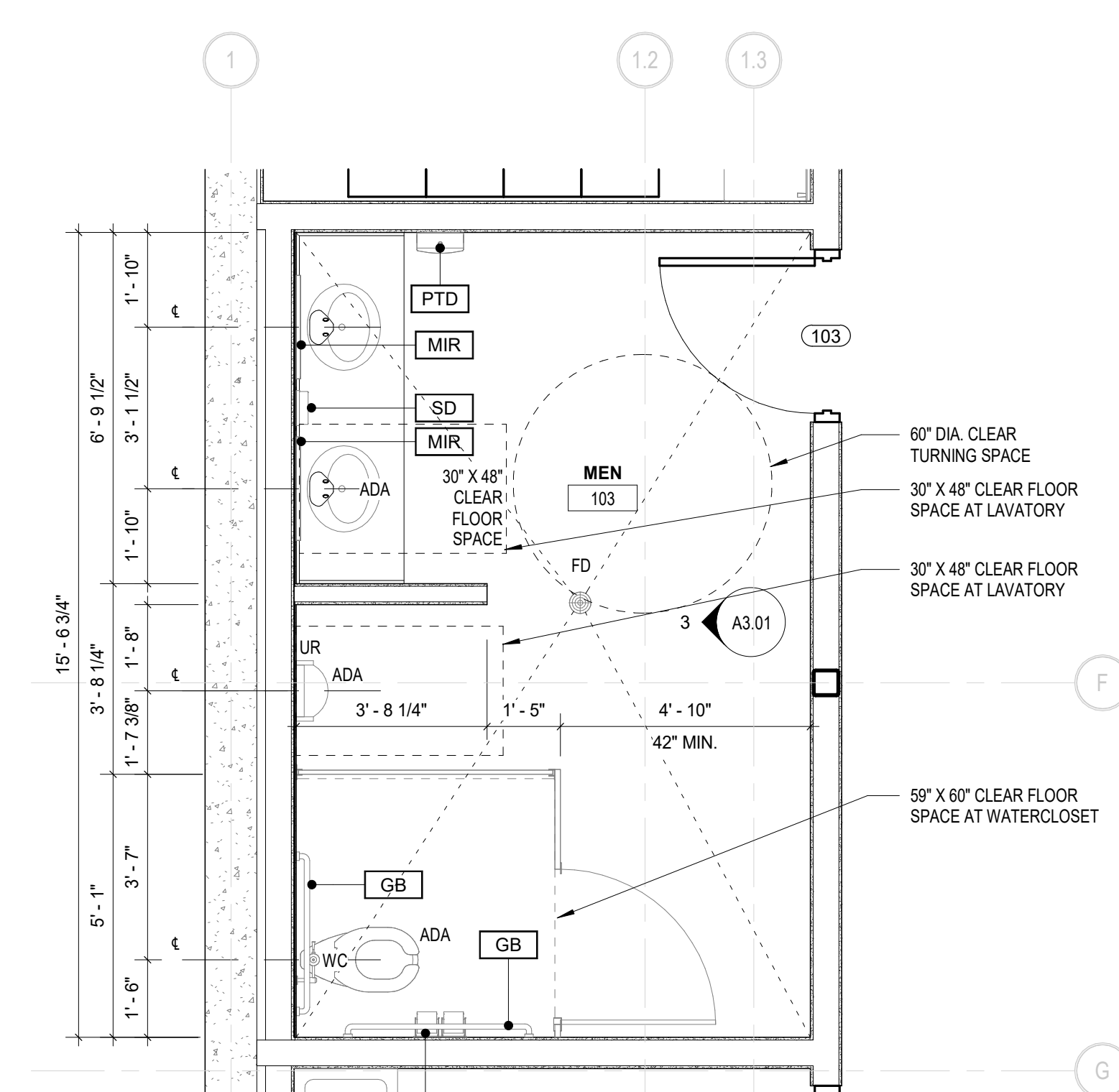
**3 MEN ENLARGED TOILET 103 ELEVATION**

3/8" = 1'-0"



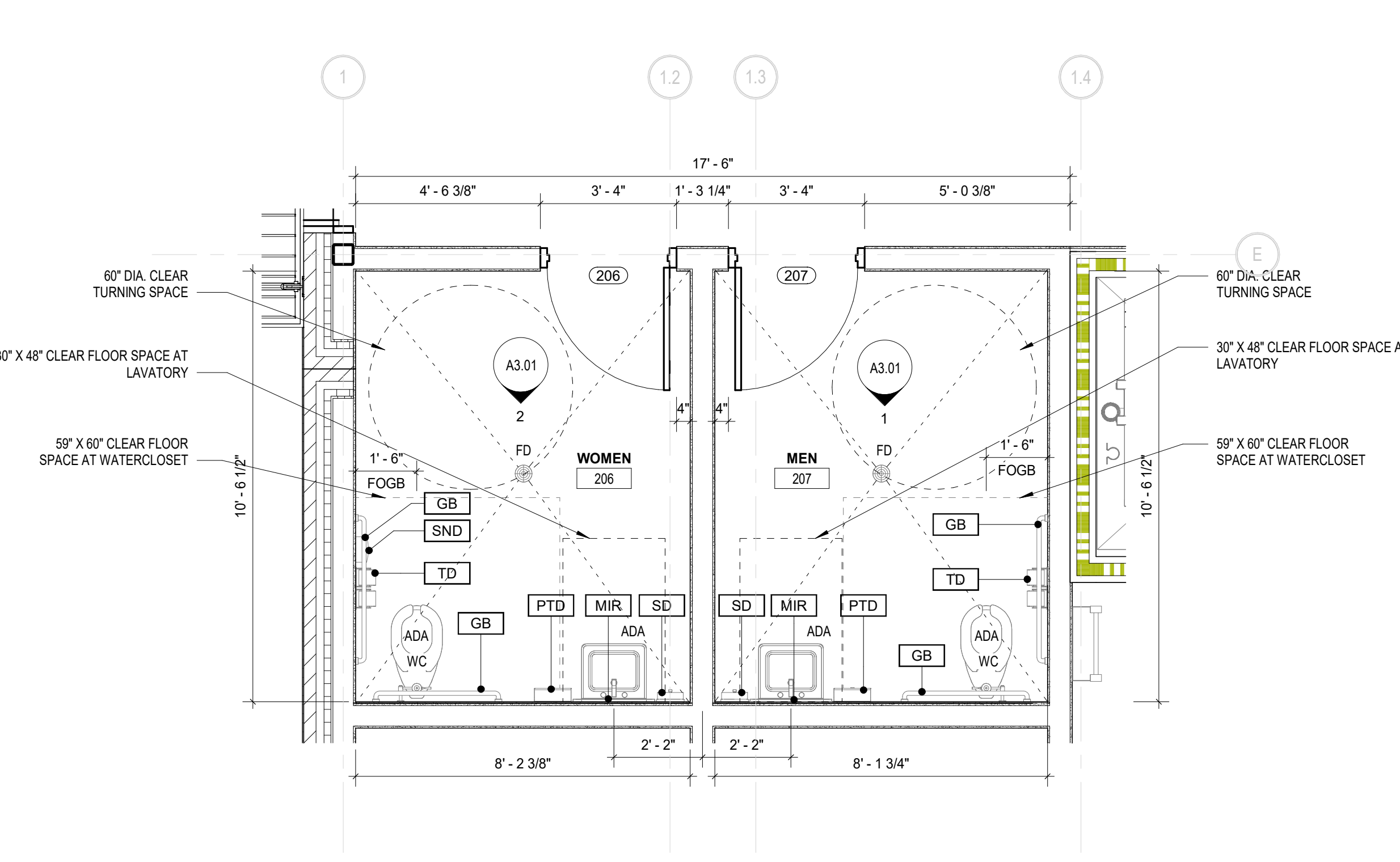
**7 WOMEN ENLARGED TOILET PLAN - LEVEL 01**

3/8" = 1'-0"



**6 MEN ENLARGED TOILET PLAN - LEVEL 01**

3/8" = 1'-0"



**5 ENLARGED TOILET PLAN - LEVEL 02**

3/8" = 1'-0"



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**ENLARGED FLOOR PLANS - TOILET**

DRAWING NUMBER  
**A3.01**





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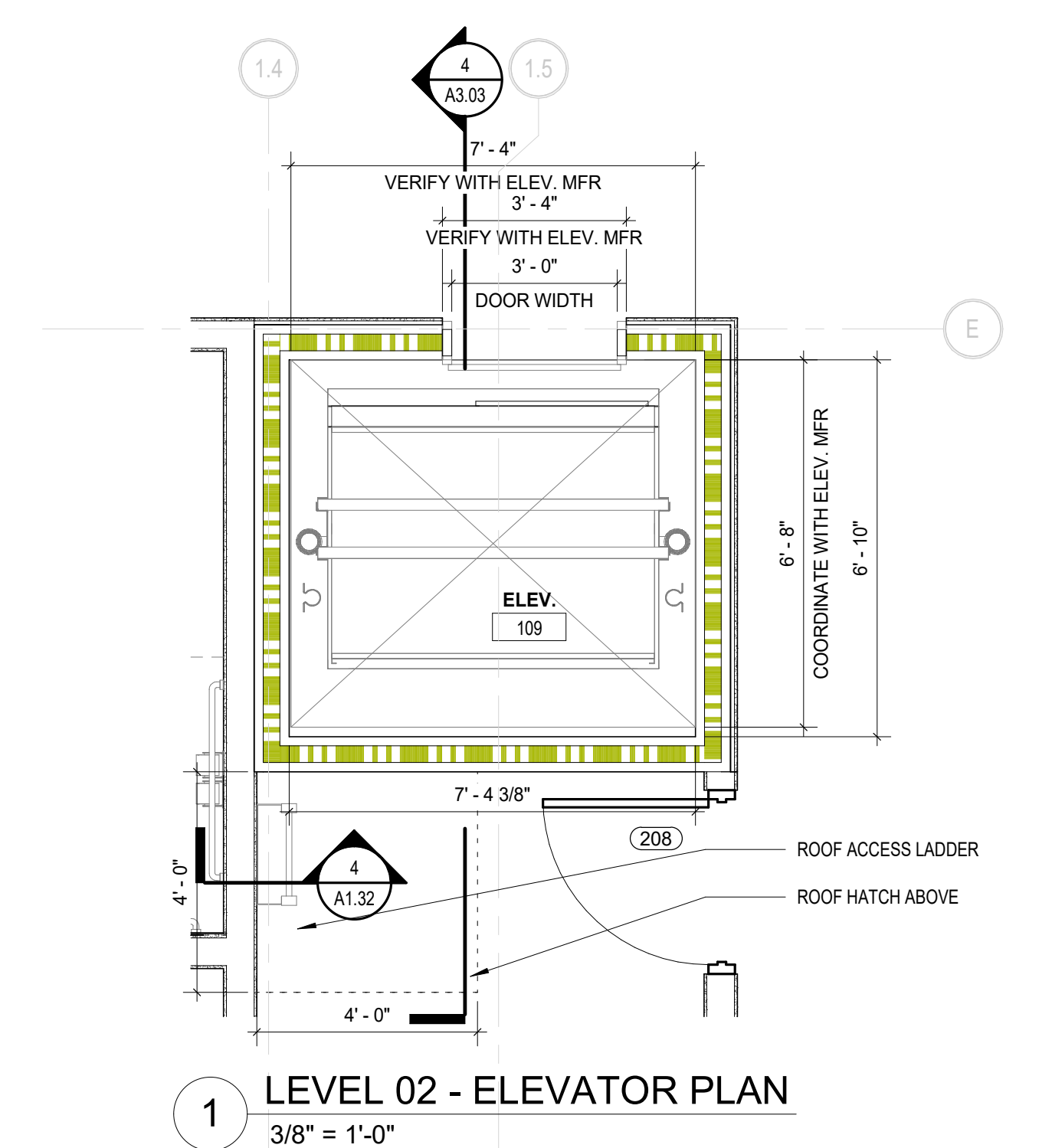
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CC	YL	CC SN
DATE: 12/06/2024		
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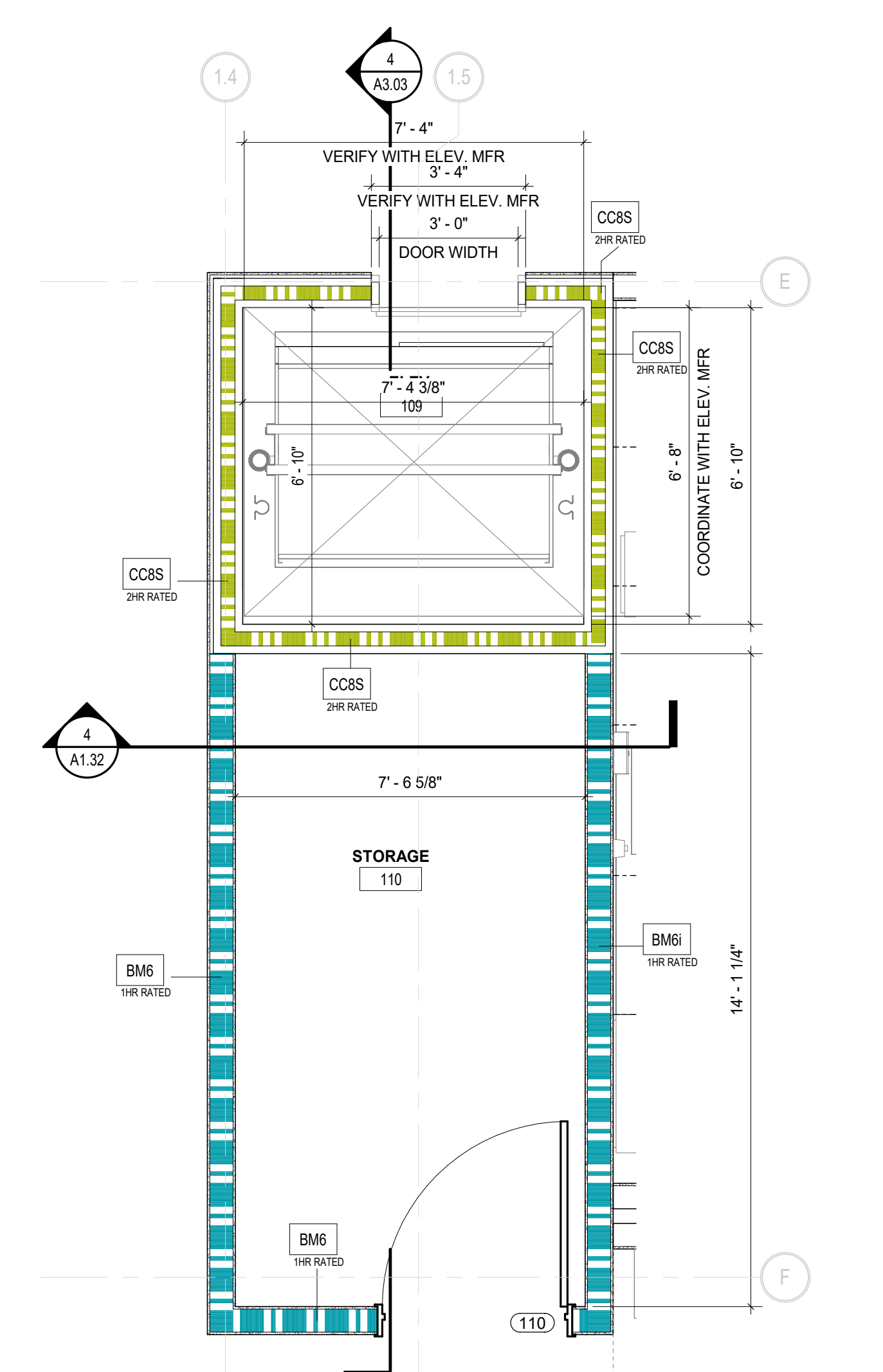
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**ENLARGED FLOOR PLANS - ELEVATOR**

DRAWING NUMBER

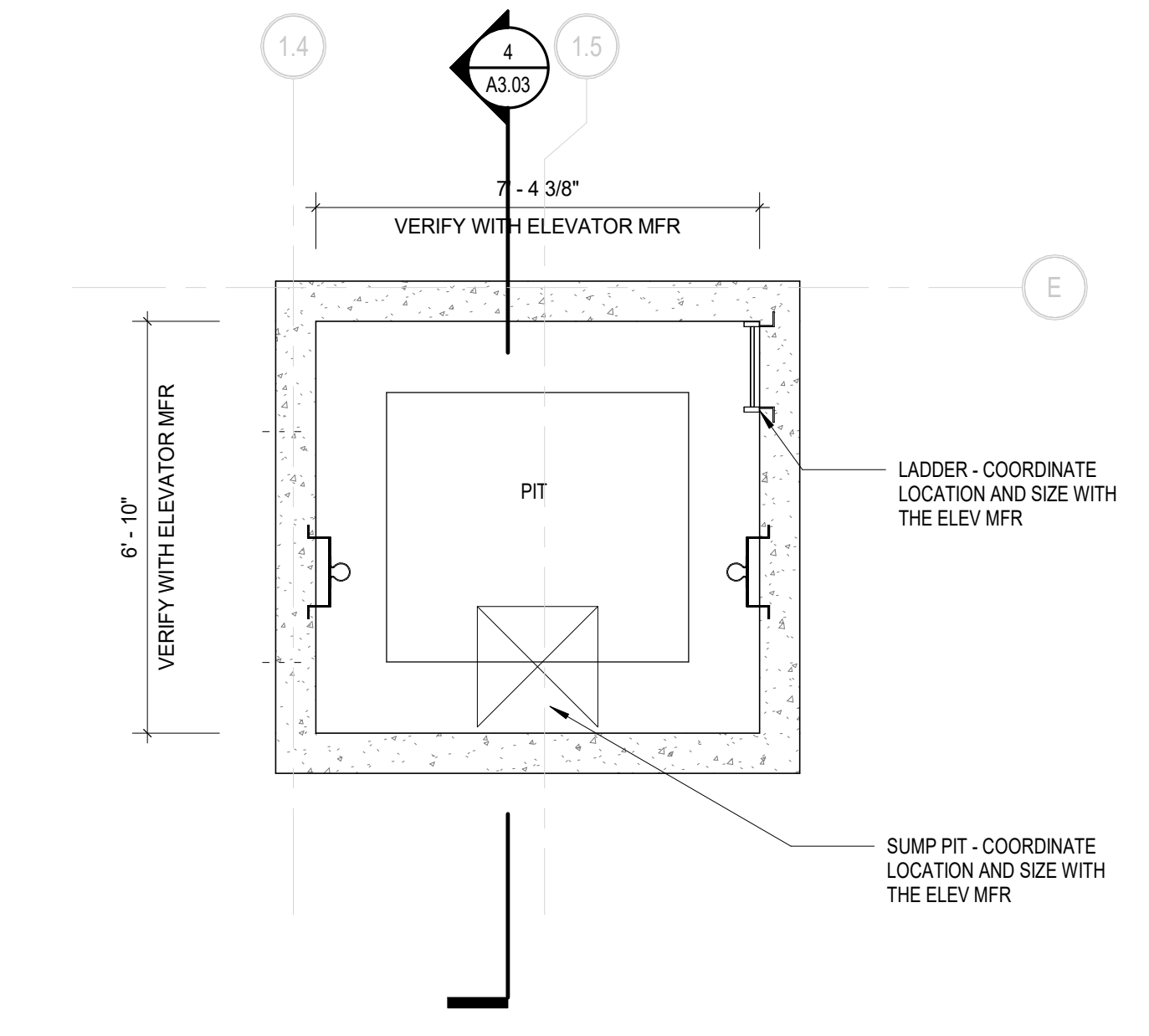
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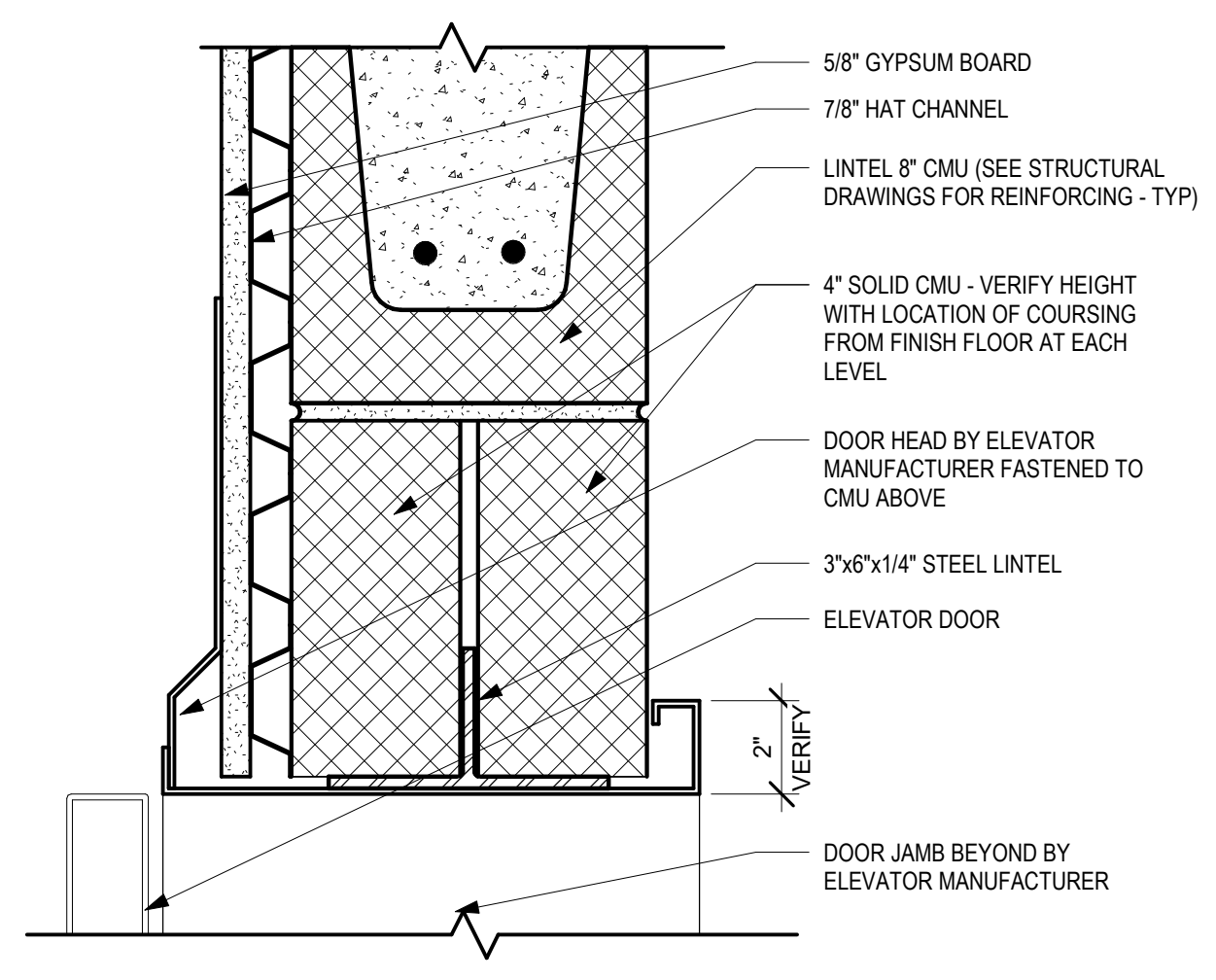
**1 LEVEL 02 - ELEVATOR PLAN**  
 3/8" = 1'-0"



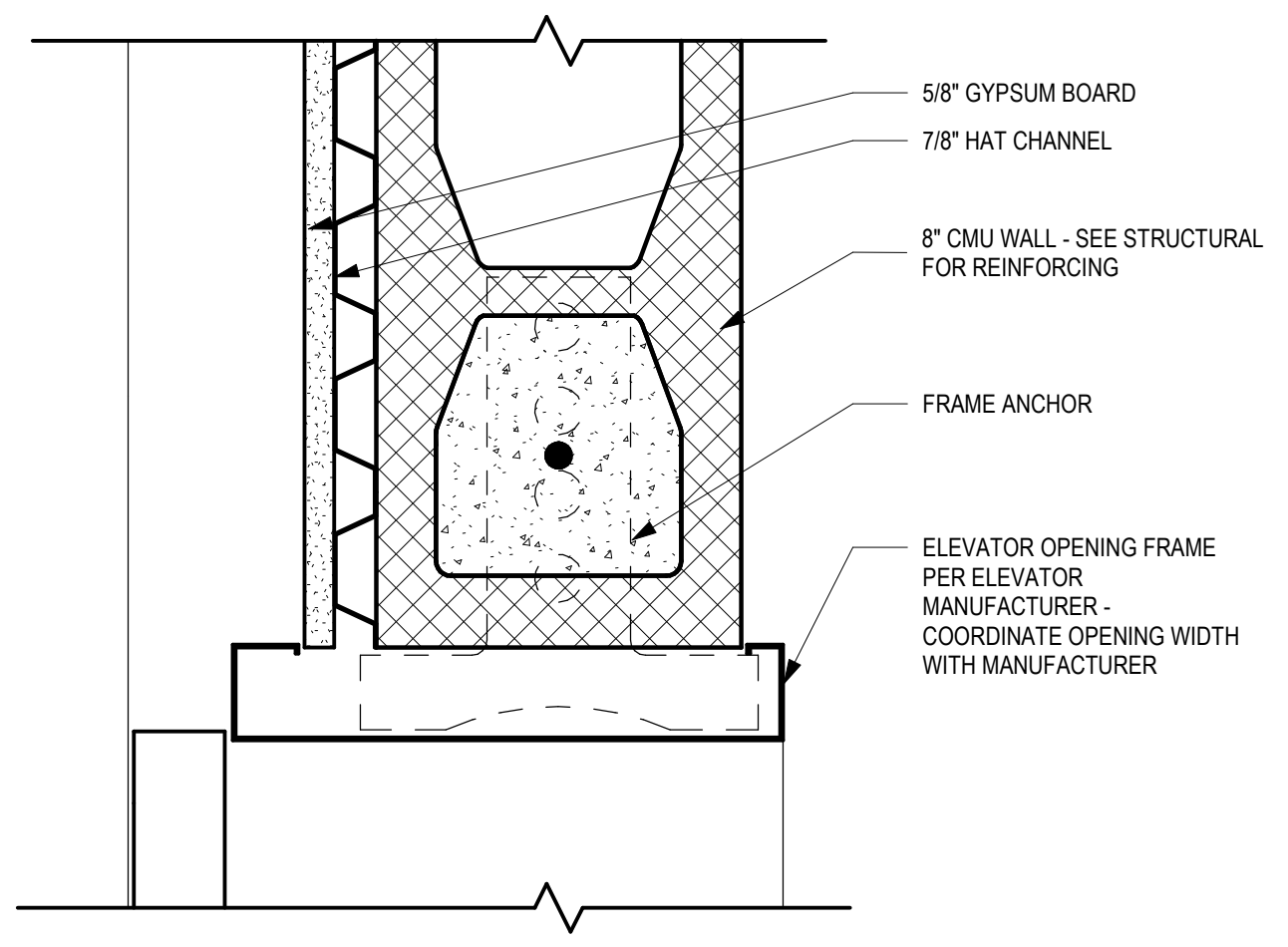
**2 LEVEL 01 - ELEVATOR PLAN**  
 3/8" = 1'-0"



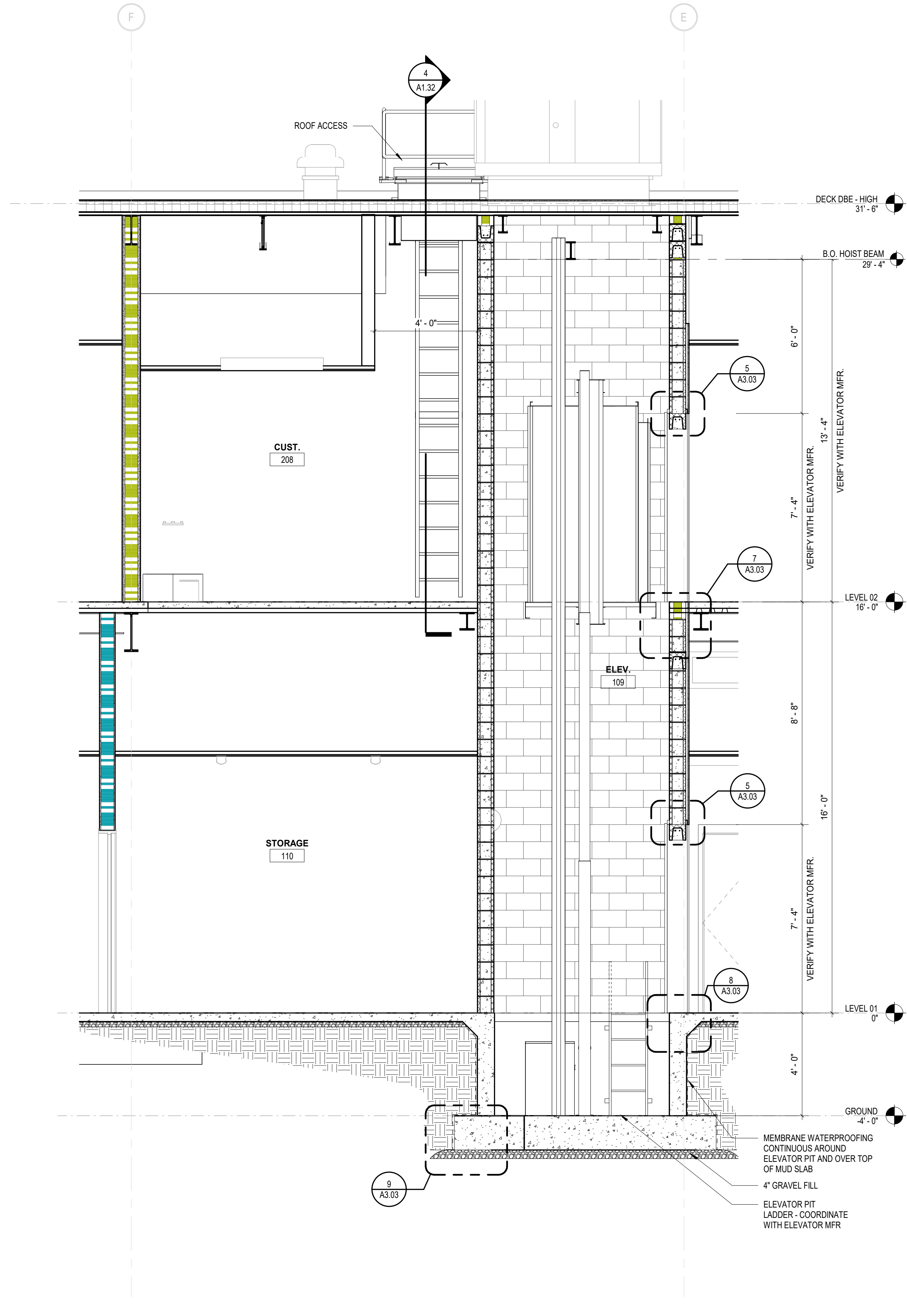
**3 PIT - ELEVATOR PLAN**  
 3/8" = 1'-0"



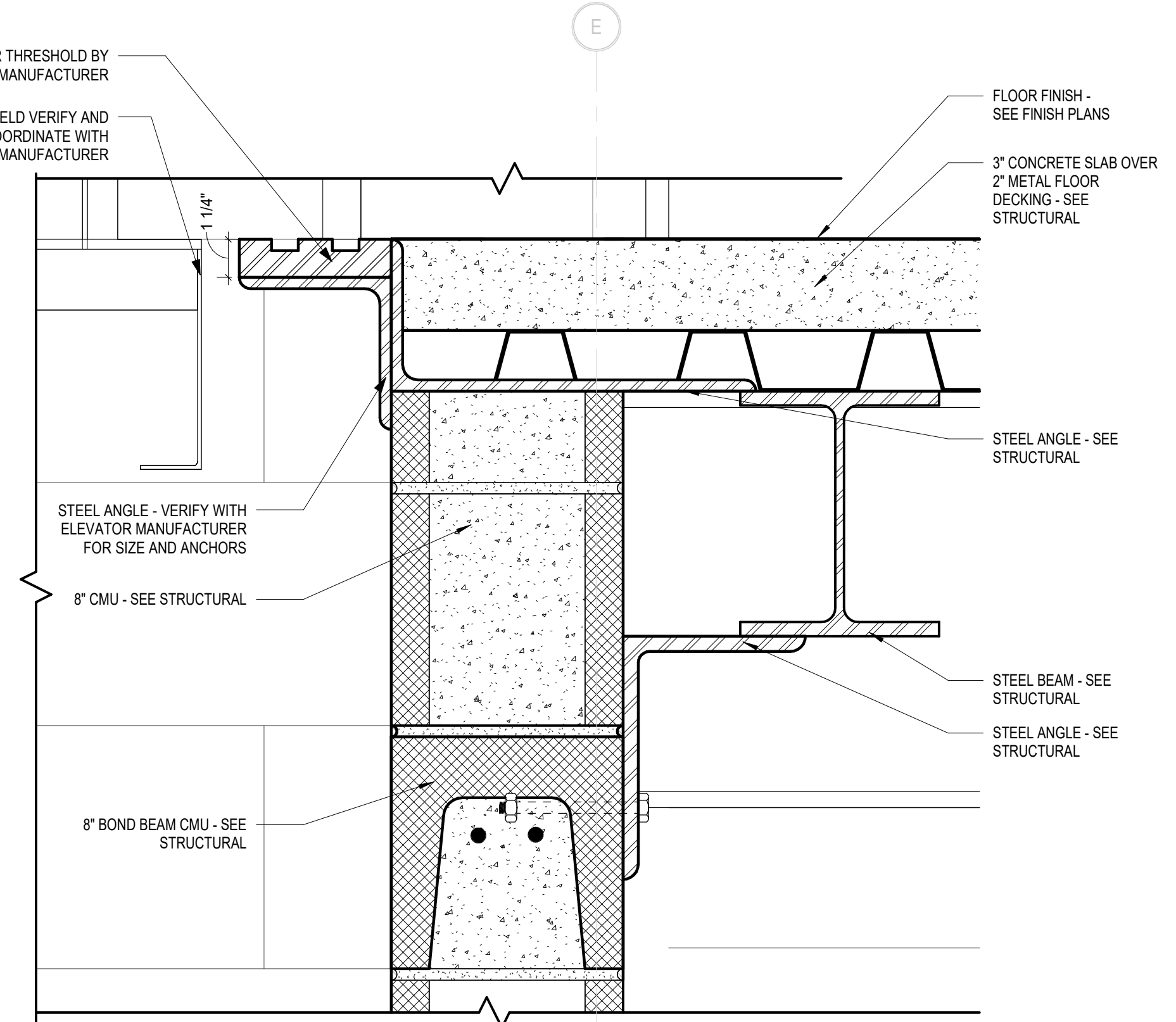
**5 ELEVATOR DOOR HEAD DETAIL**  
 3" = 1'-0"



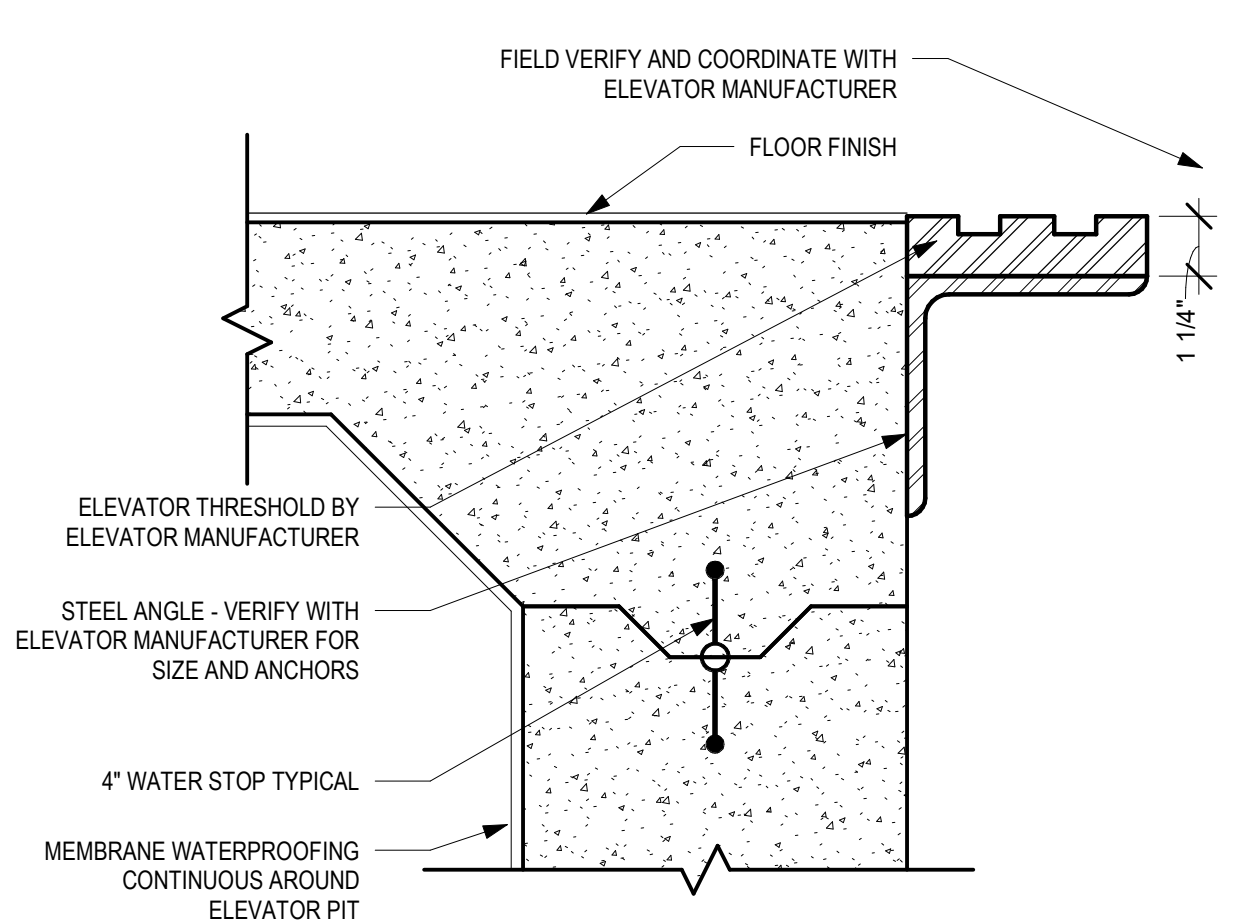
**6 ELEVATOR DOOR JAMB DETAIL**  
 3" = 1'-0"



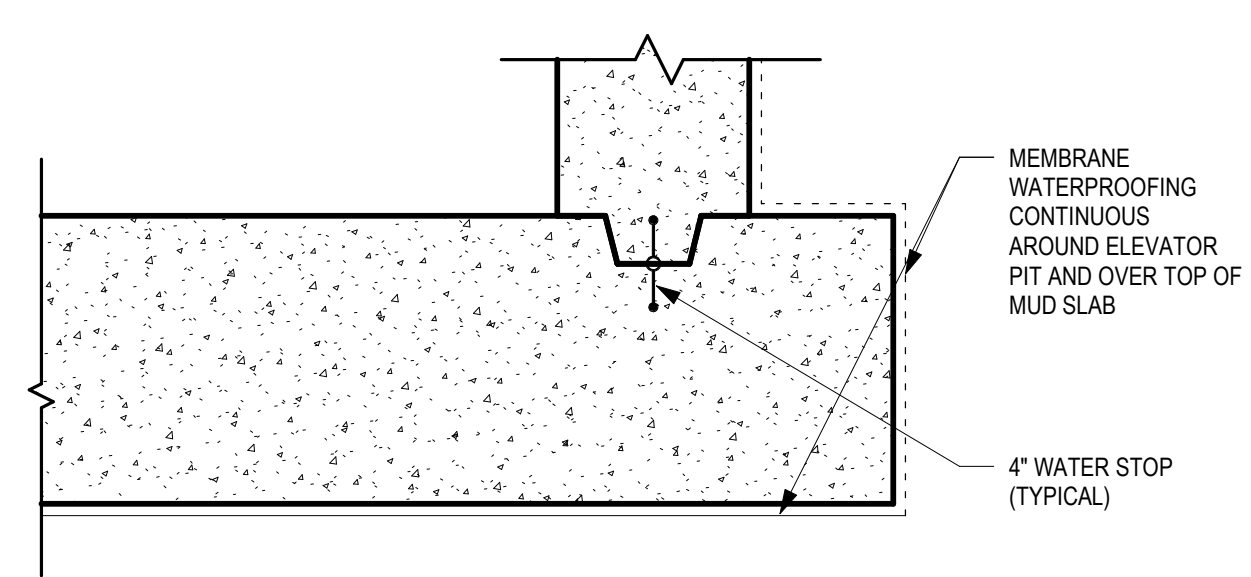
**4 ELEVATOR SECTION**  
 3/8" = 1'-0"



**7 ELEVATOR DOOR SILL DETAIL (CMU)**  
 3" = 1'-0"

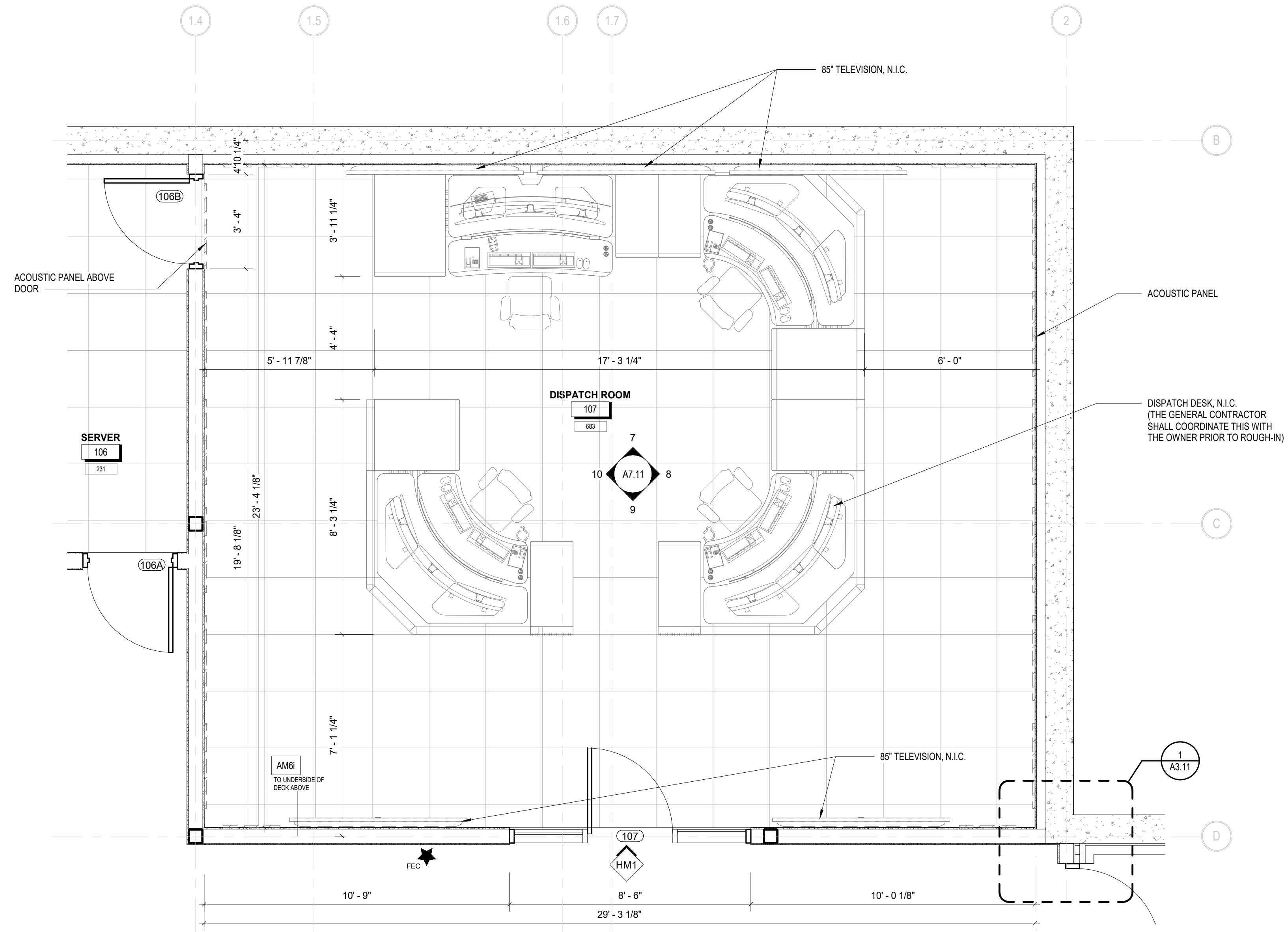


**8 ELEVATOR DOOR SILL DETAIL**  
 3" = 1'-0"

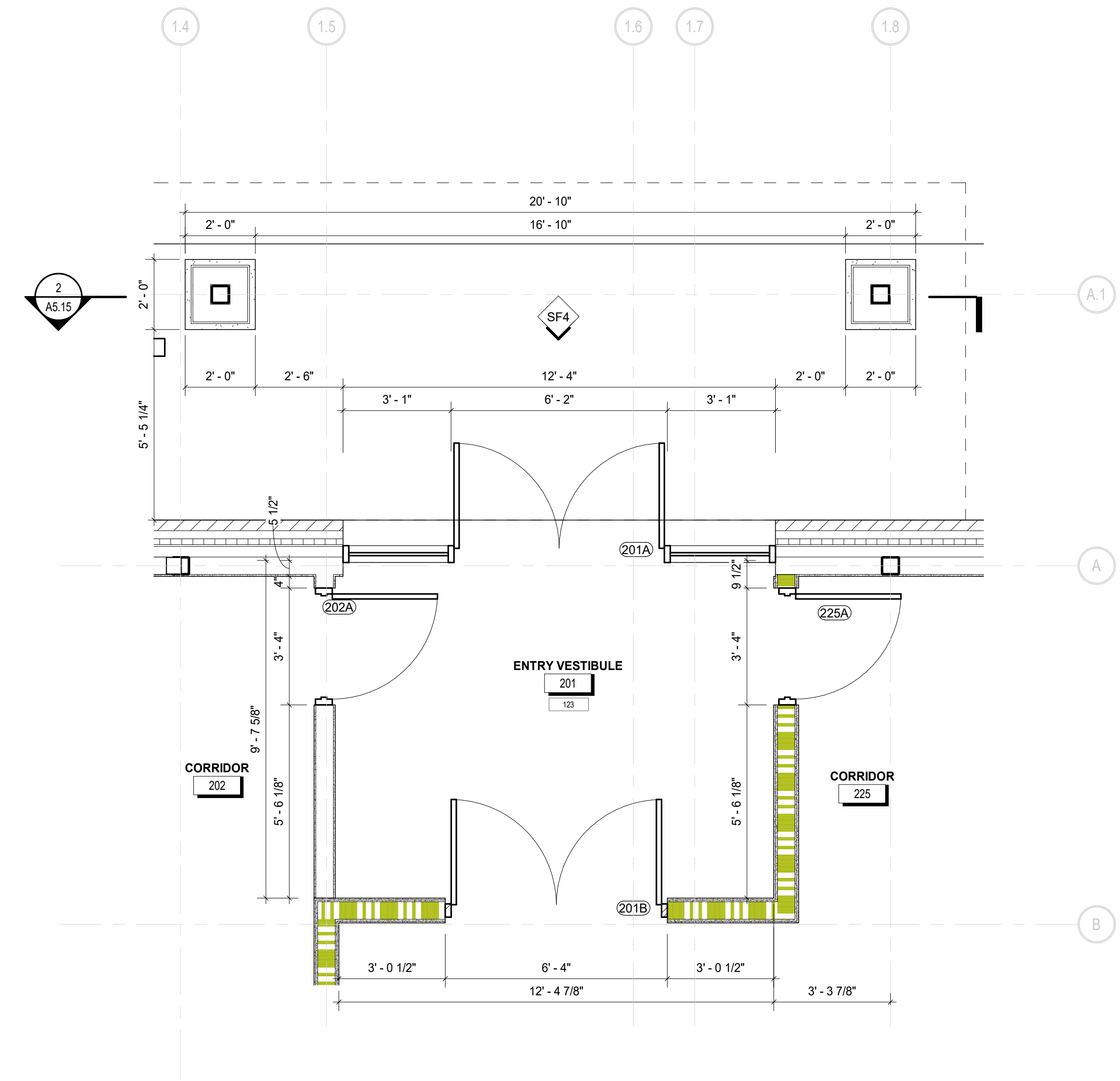


**9 ELEVATOR PIT DETAIL**  
 1 1/2" = 1'-0"

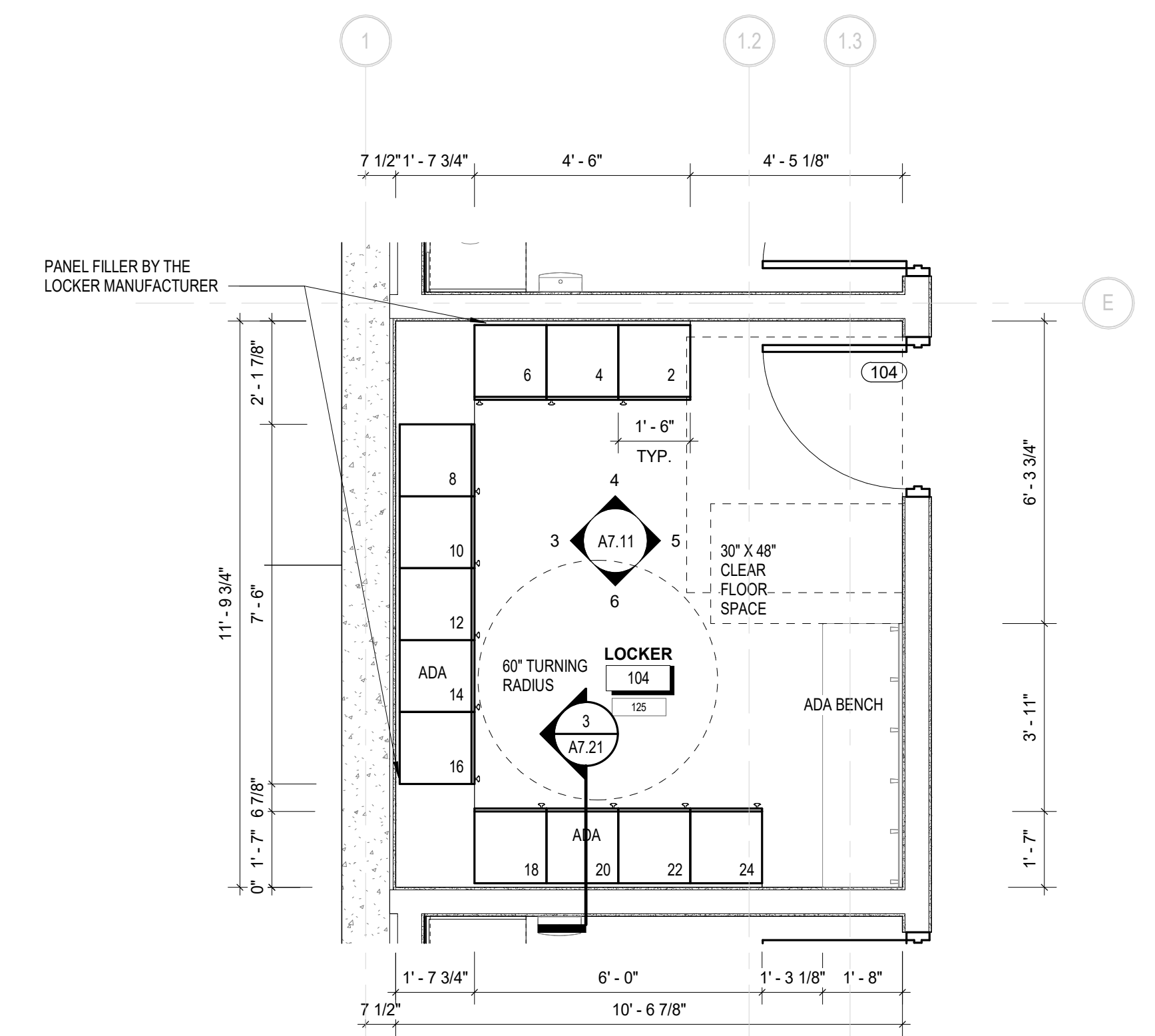




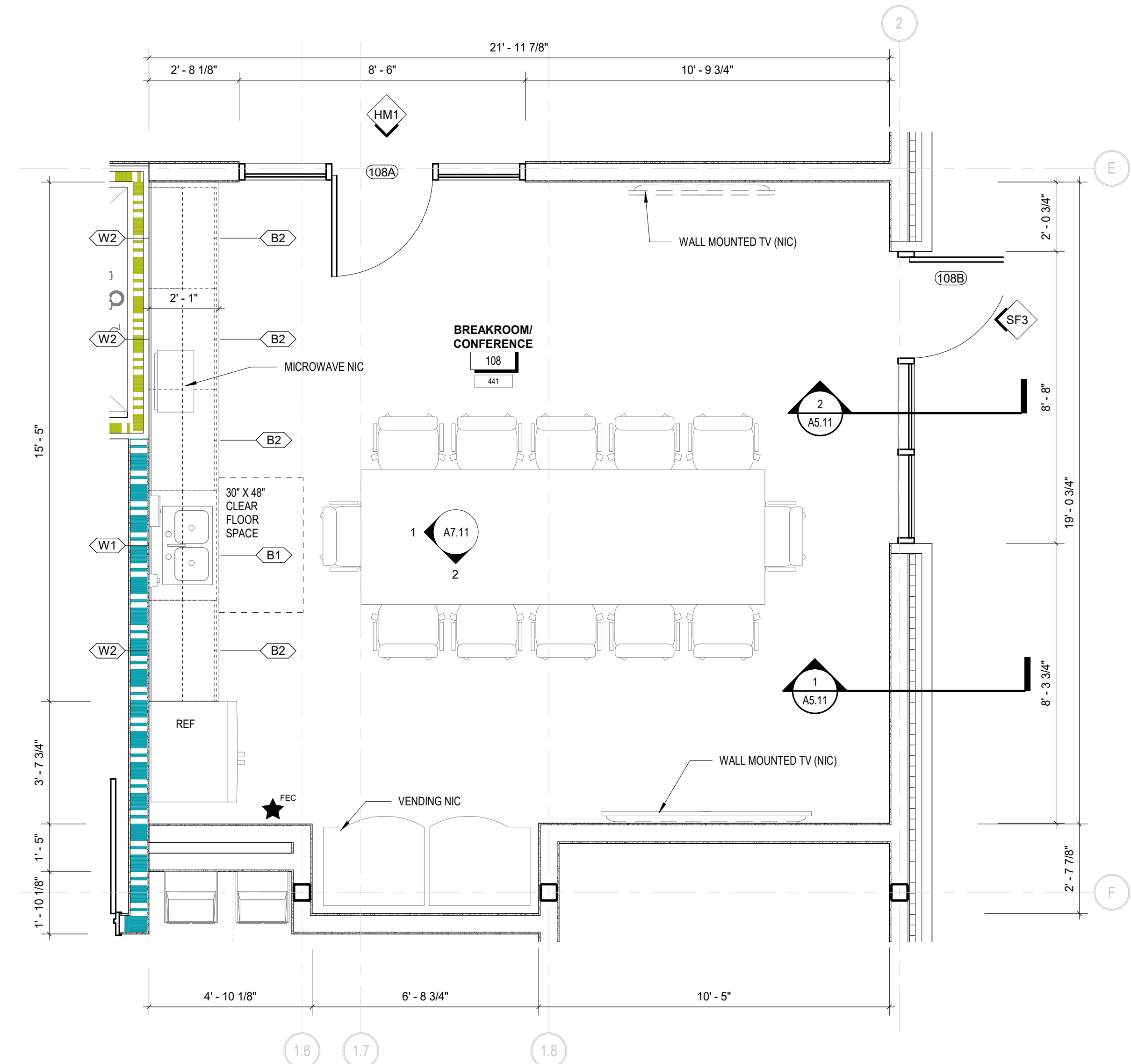
3 ENLARGED PLAN - DISPATCH ROOM  
3/8" = 1'-0"



1 ENLARGED PLAN - MAIN ENTRANCE  
3/8" = 1'-0"



4 ENLARGED PLAN - LOCKER  
3/8" = 1'-0"



2 ENLARGED PLAN - BREAKROOM/ CONFERENCE  
3/8" = 1'-0"

CASEWORK LEGEND	
TAG	DESCRIPTION
B1	39"W x 34"T x 24"D - ADA BASE CABINET SINK CABINET W/ DOUBLE DOOR. SEE PLAN VIEW FOR CLEAR SPACE AND FRONT APPROACH ACCESSIBLE SINK.
B2	36"W x 34"T x 24"D - DOUBLE DOOR, BASE CABINET W/ (2) TWO 6' TALL DRAWERS AND (1) ADJUSTABLE SHELF.
W1	39"W x 24"T x 12"D - WALL CABINET W/ (2) TWO DOORS AND (1) ONE ADJUSTABLE SHELF.
W2	36"W x 30"T x 12"D - WALL CABINET W/ (2) TWO DOOR AND (2) TWO ADJUSTABLE SHELVES.

**GENERAL NOTES:**  
ALL CASEWORK W/ EXPOSED ENDS SHALL BE FINISHED TO MATCH

- CASEWORK NOTES**
- ALL DIMENSIONS ARE TO FACE OF METAL STUD OR FACE OF COUNTER TOP OR FACE OF CABINET, UNLESS OTHERWISE NOTED. FIELD VERIFY ALL DIMENSIONS PRIOR TO MANUFACTURING OF CABINETS
  - IF CONFLICTING INFORMATION OR INSTRUCTIONS ARE FOUND IN THE CONTRACT DOCUMENTS, THE GENERAL CONTRACTOR SHALL REQUEST CLARIFICATION FROM THE ARCHITECT IN WRITING. IN THE ABSENCE OF A REQUEST FOR CLARIFICATION, THE GENERAL CONTRACTOR SHALL ASSUME THE MORE EXPENSIVE OPTION AS PART OF THE BASE BID.
  - FOGB = FACE OF GYPSUM BOARD



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UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
ENLARGED FLOOR PLANS

DRAWING NUMBER

A3.04

REVISIONS:

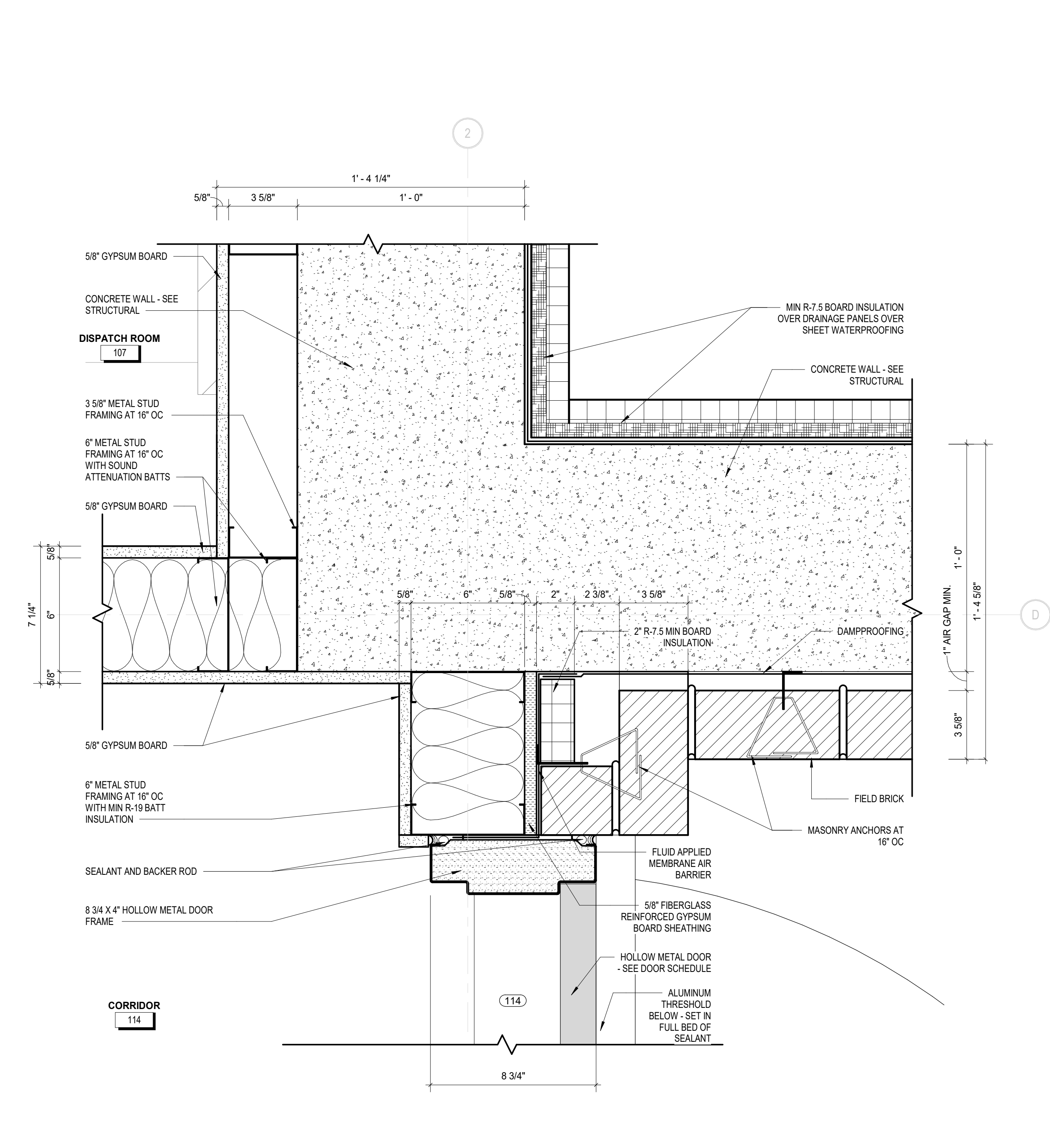

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**PLAN DETAILS**

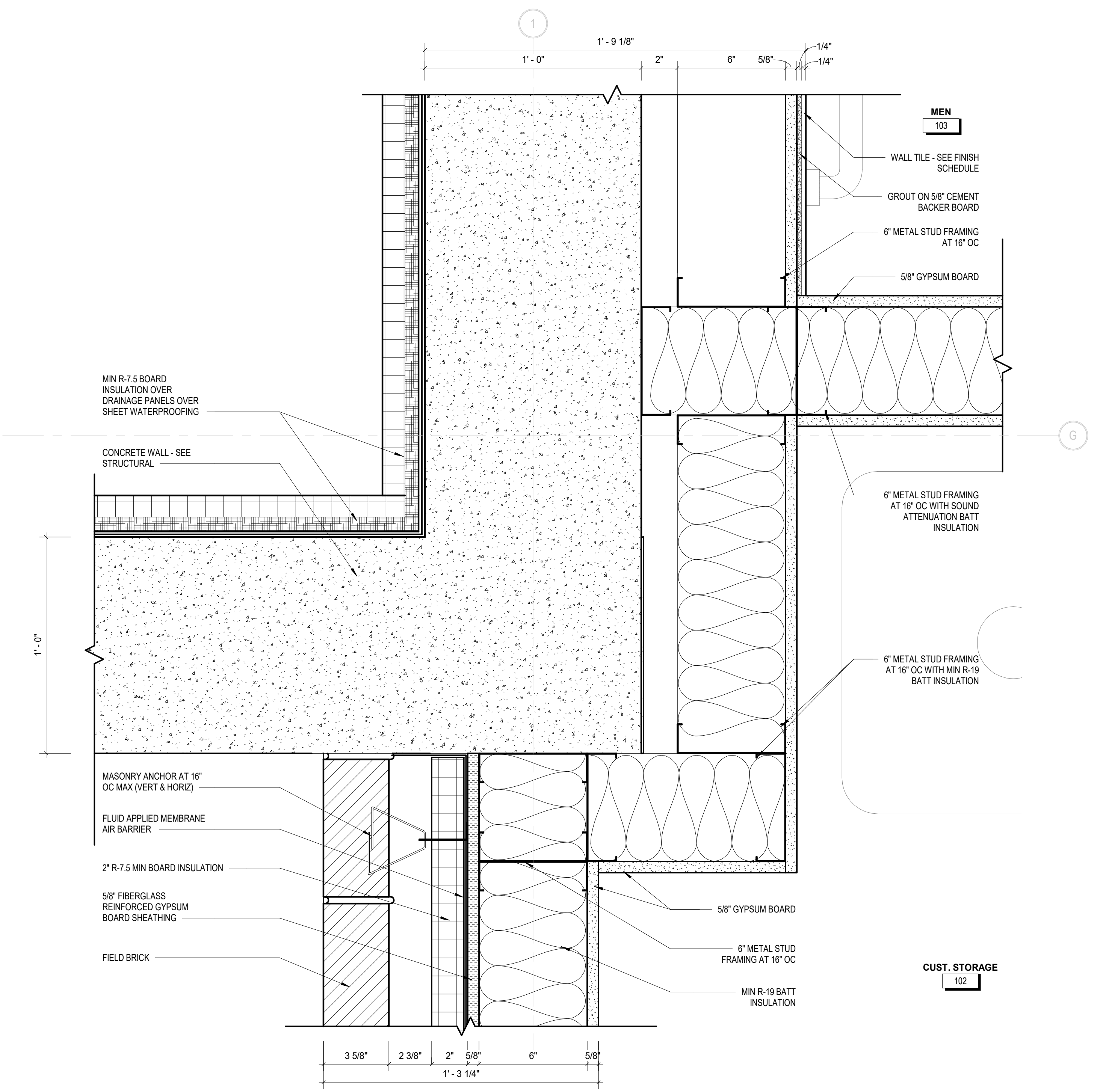
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**A3.11**

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**1** ENLARGED PLAN DETAIL @ RETAINING WALL 1  
 3" = 1'-0"



**2** ENLARGED PLAN DETAIL @ RETAINING WALL 2  
 3" = 1'-0"

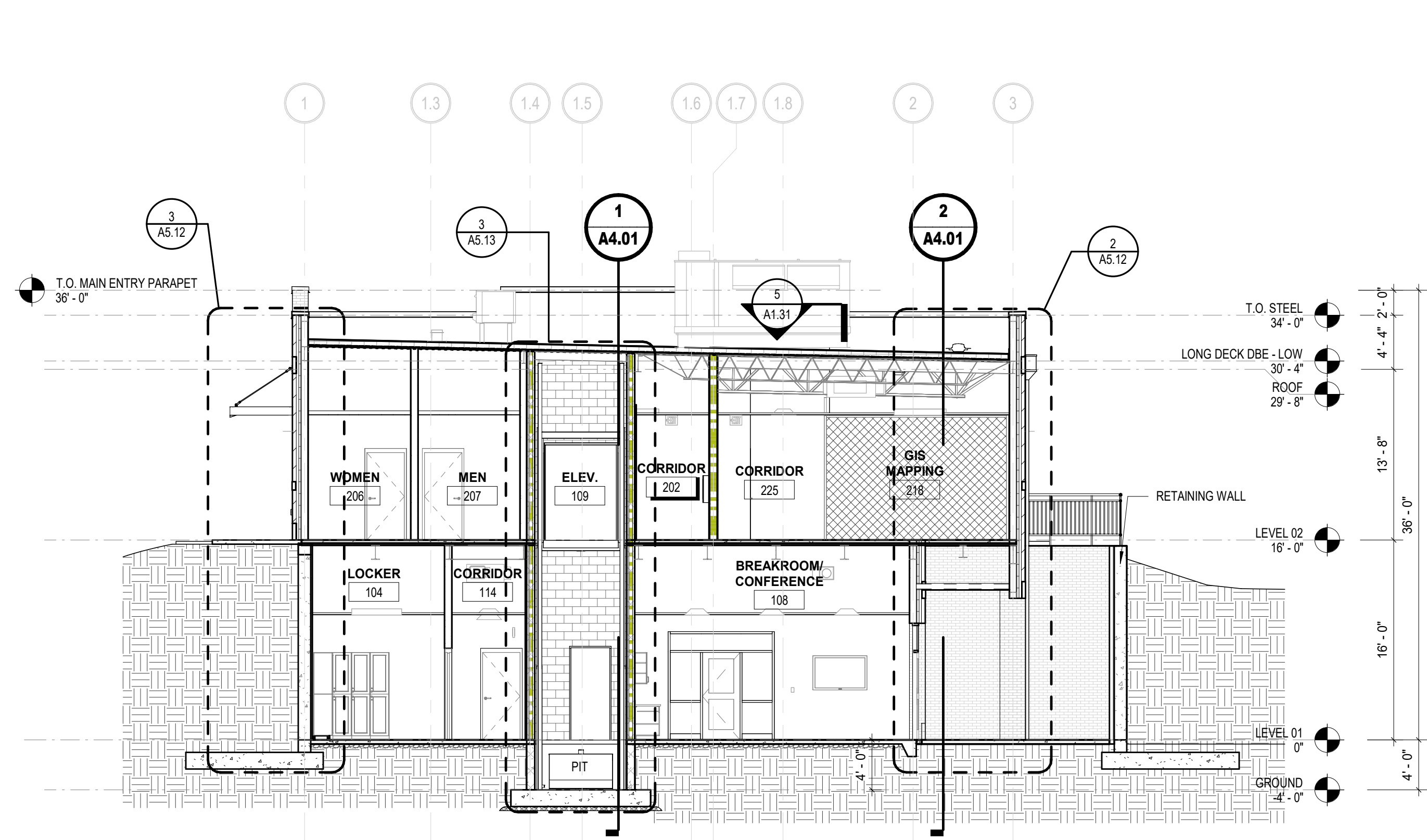
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JOB NO. 624 1109 01		

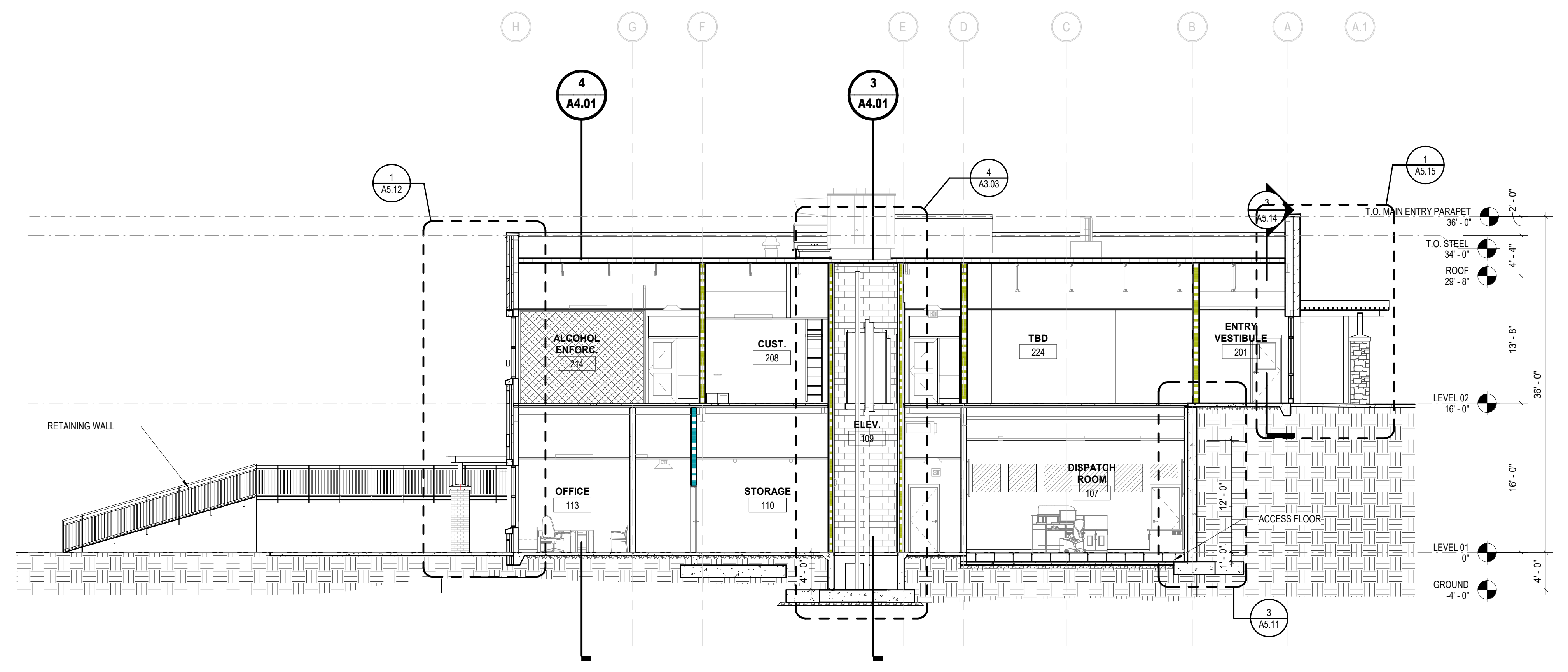
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**OVERALL BUILDING SECTIONS**

DRAWING NUMBER

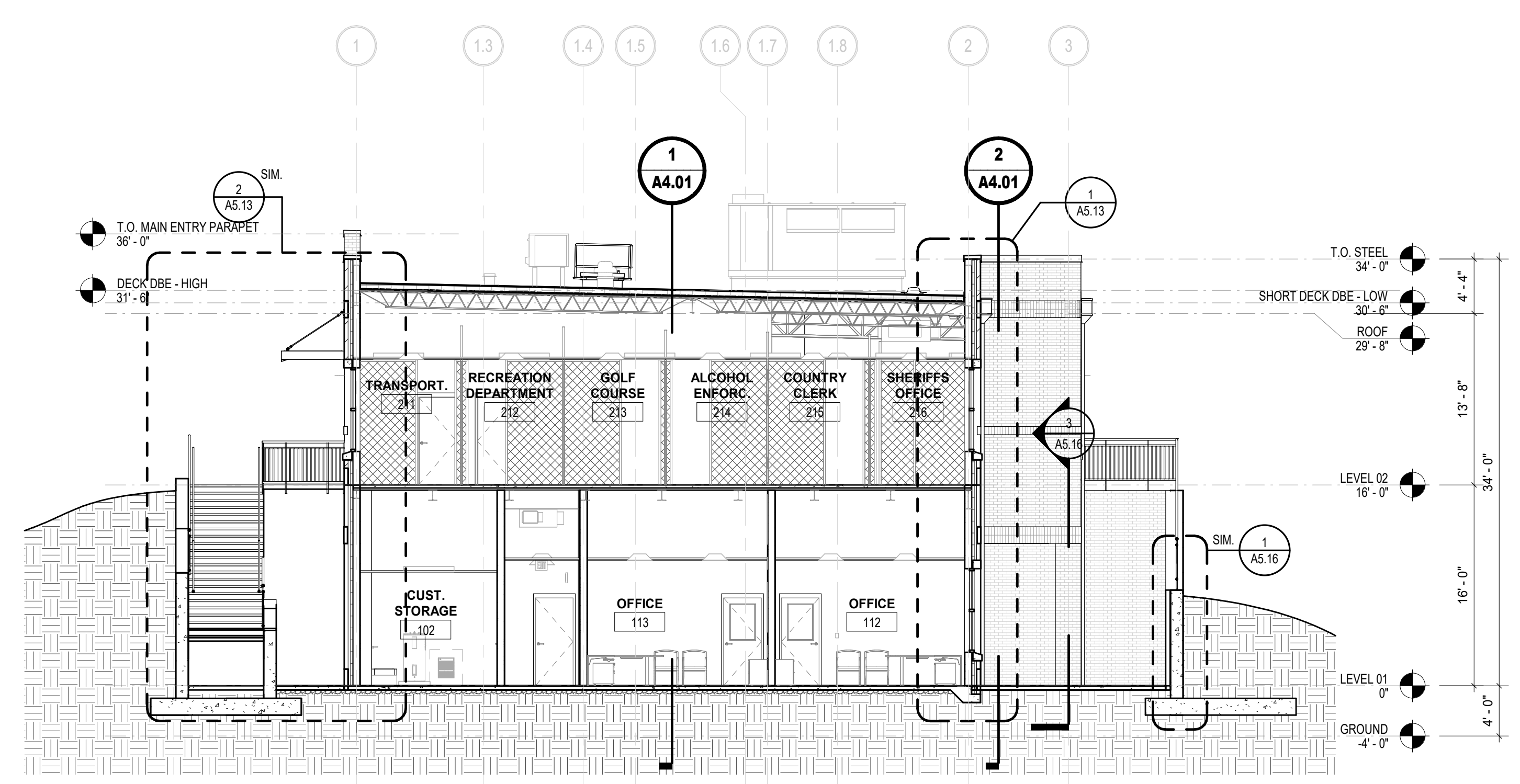
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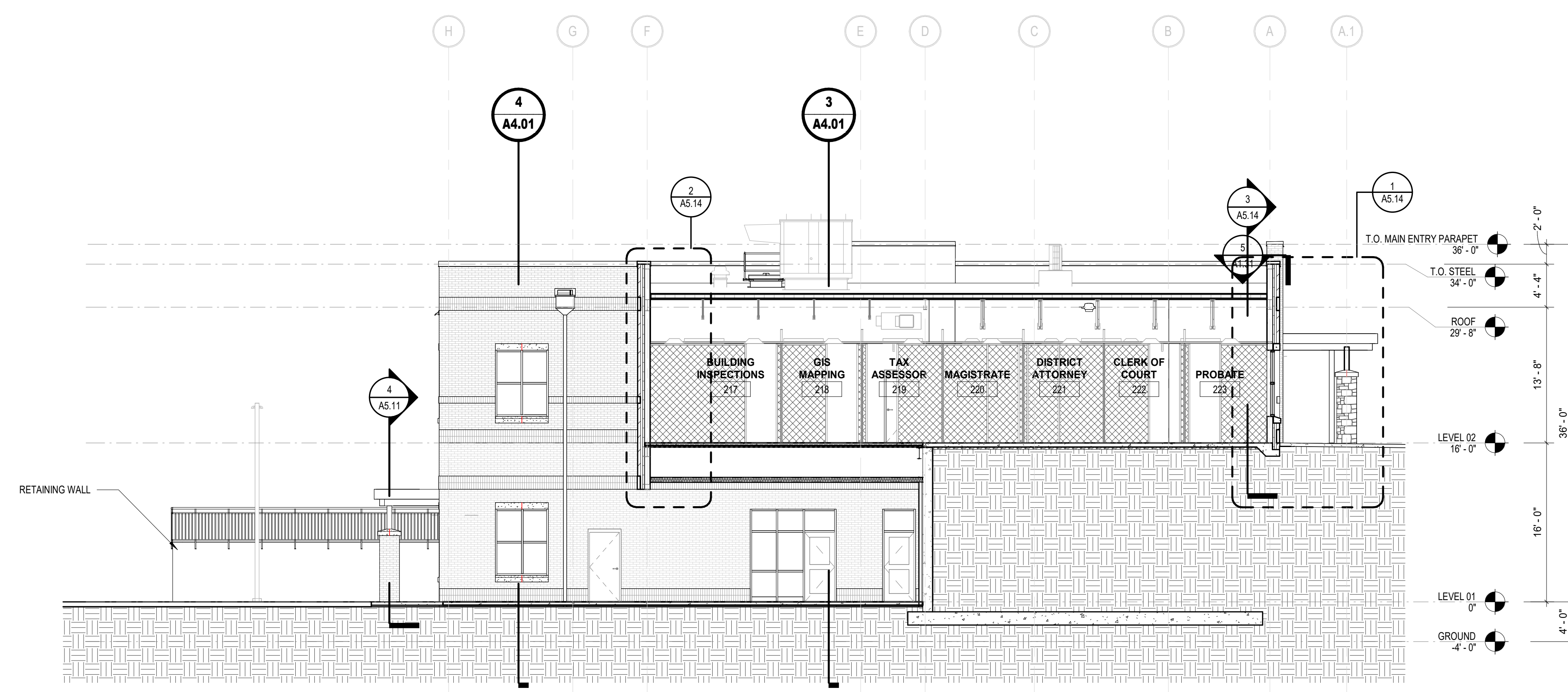
**3** OVERALL BUILDING HORIZONTAL SECTION1  
 1/8" = 1'-0"



**1** OVERALL BUILDING LONGITUDINAL SECTION1  
 1/8" = 1'-0"



**4** OVERALL BUILDING HORIZONTAL SECTION2  
 1/8" = 1'-0"



**2** OVERALL BUILDING LONGITUDINAL SECTION2  
 1/8" = 1'-0"

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REVISIONS

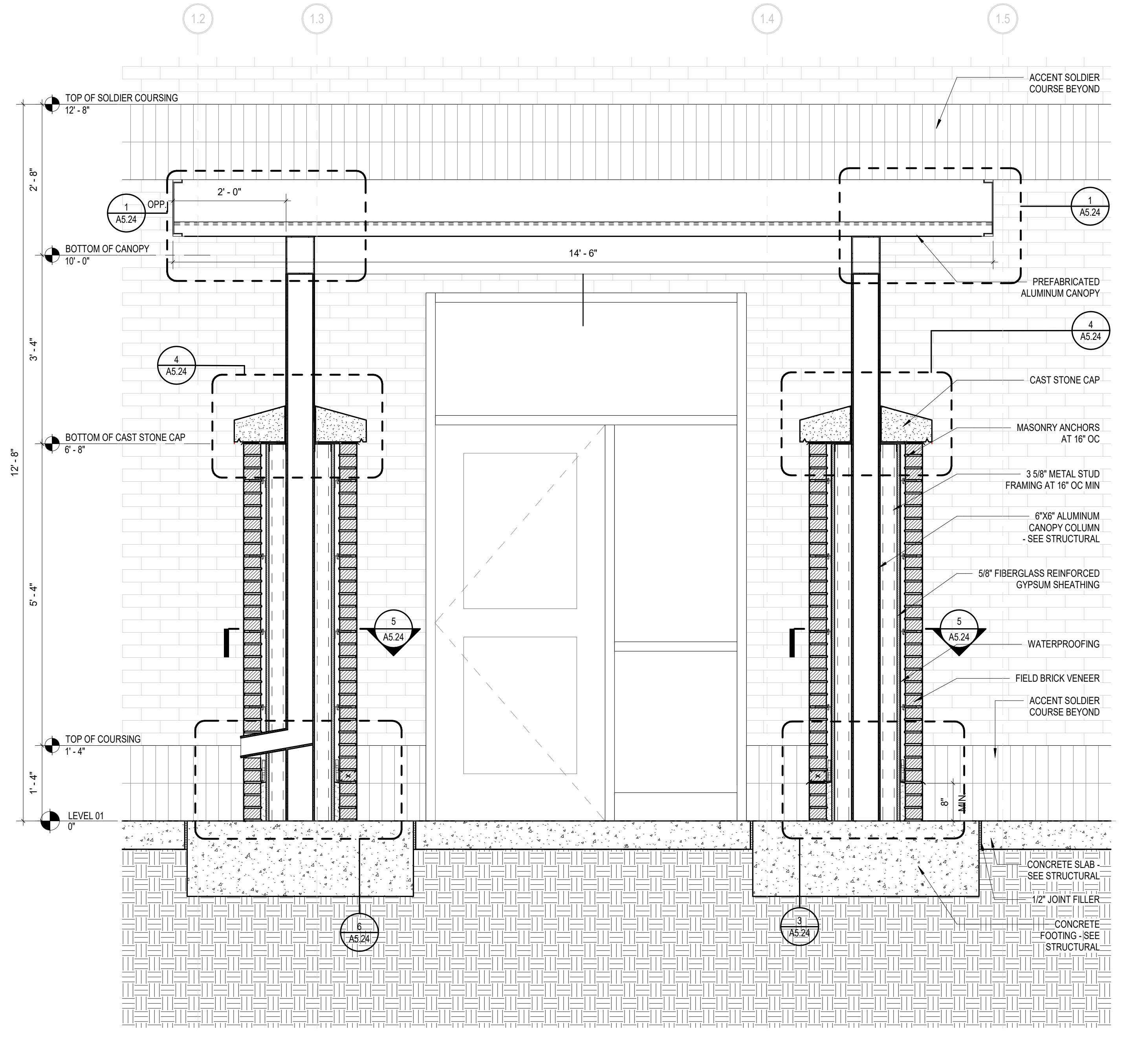
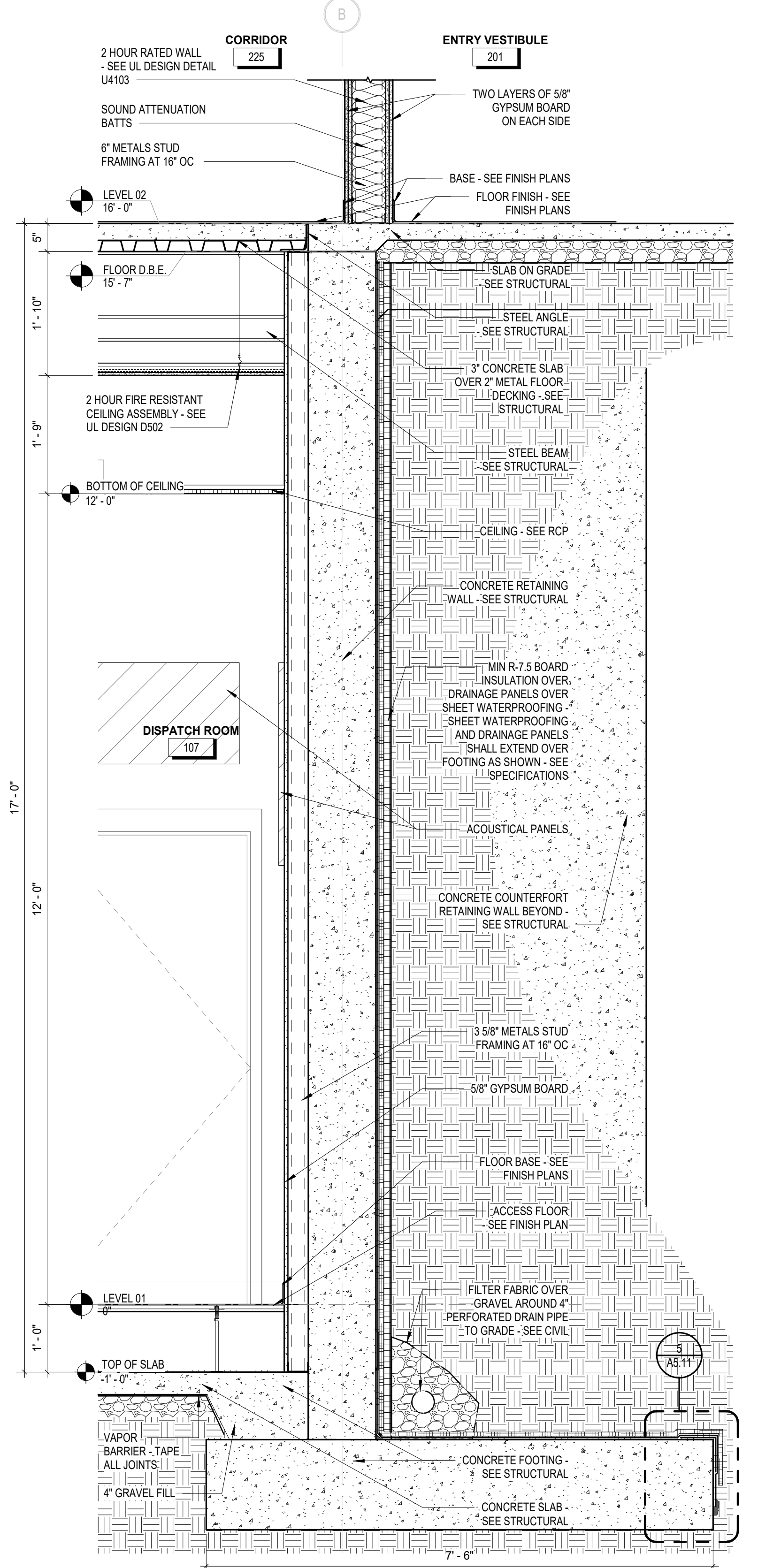
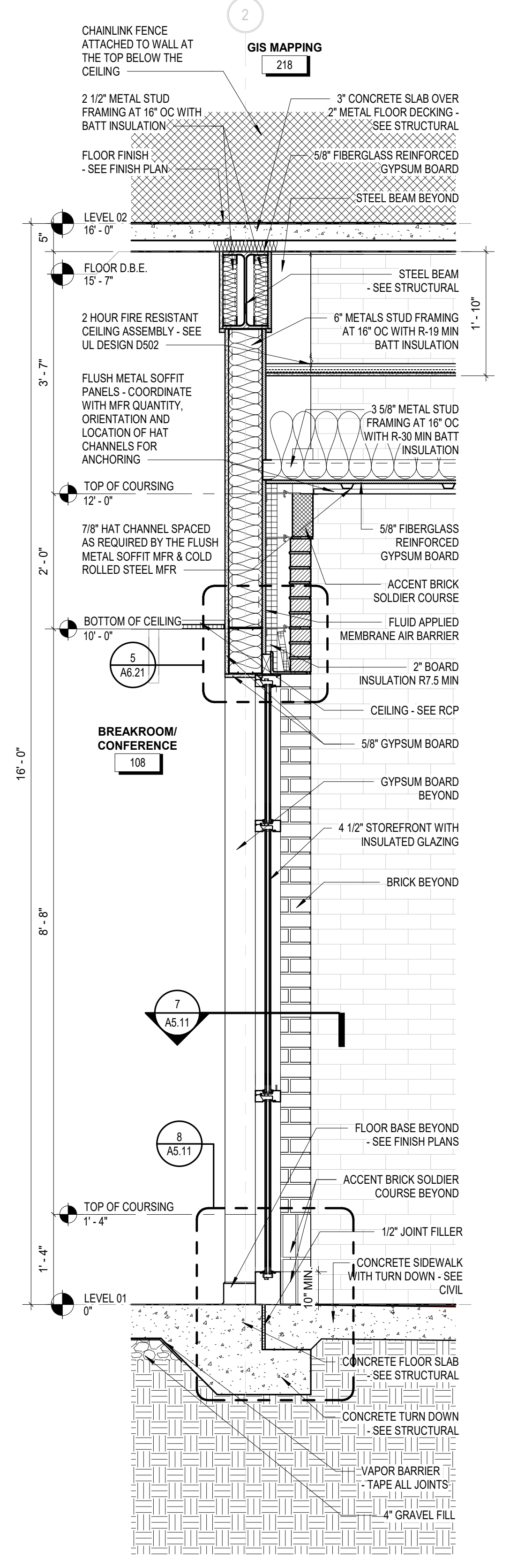
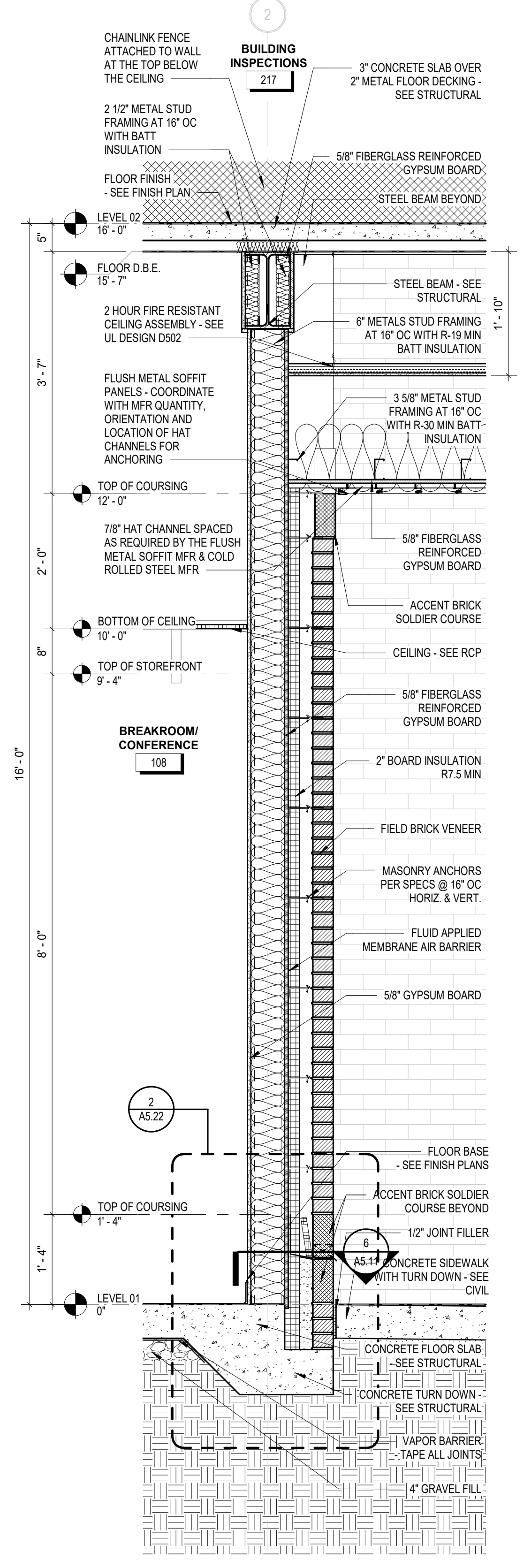
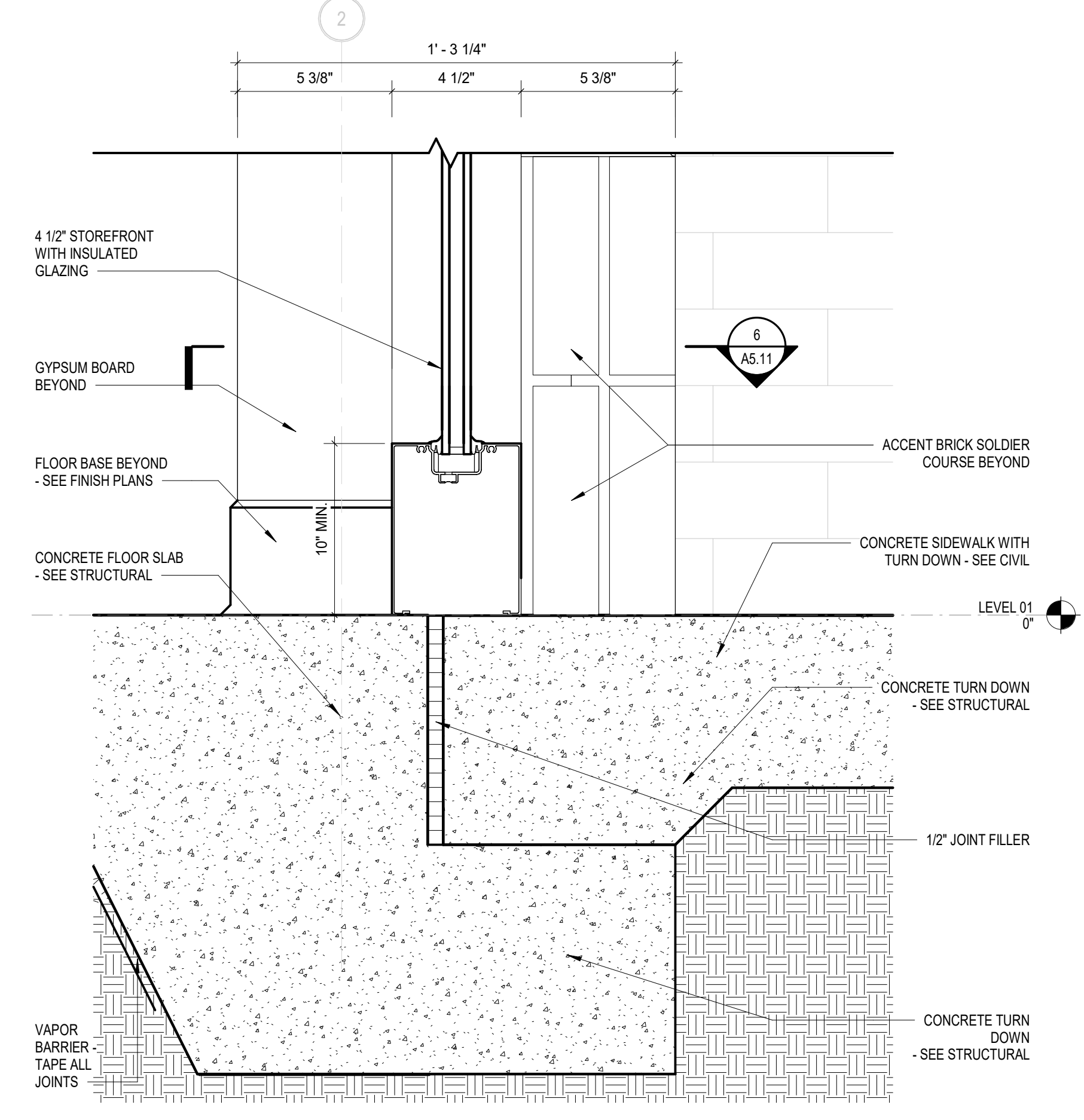
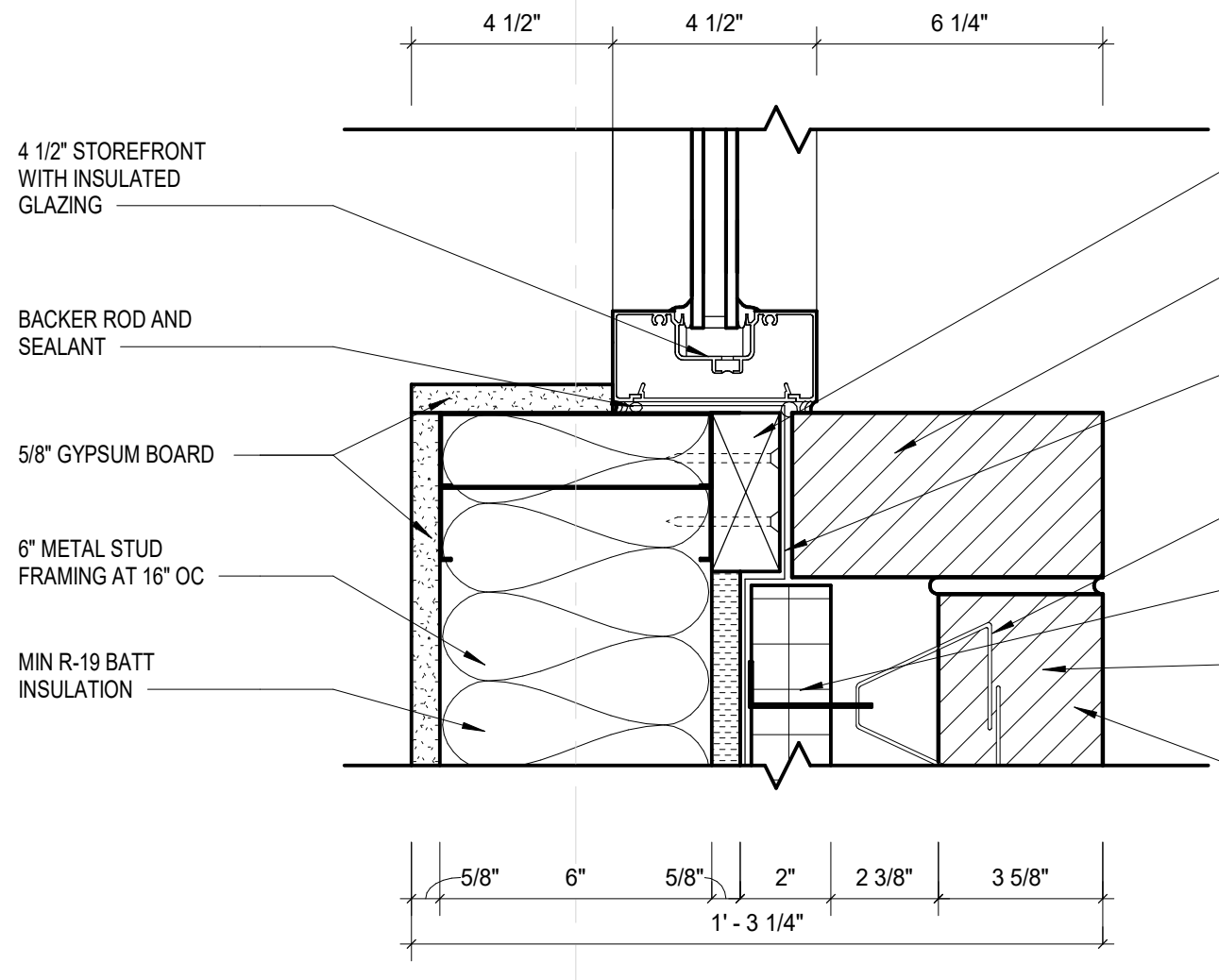
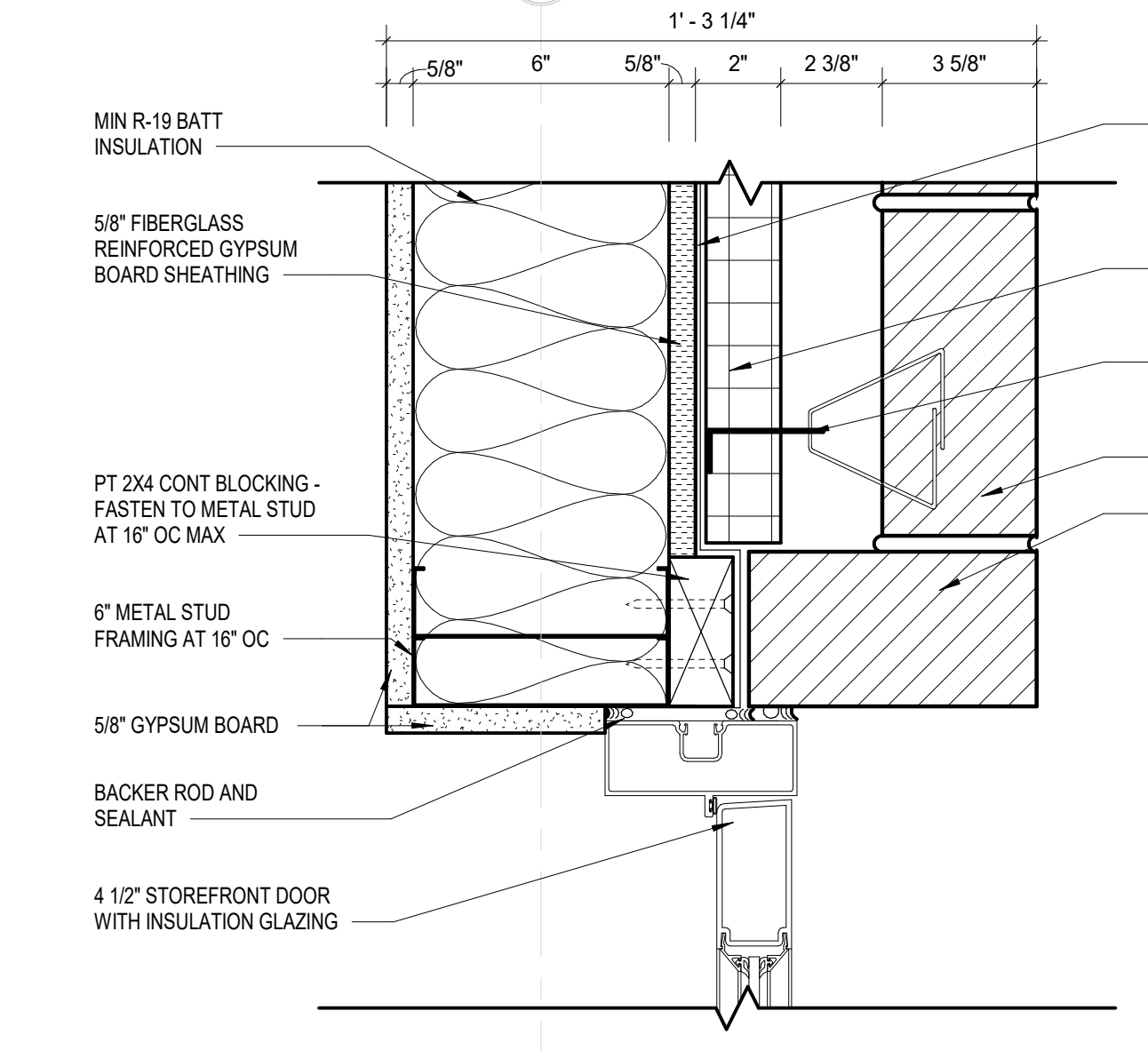
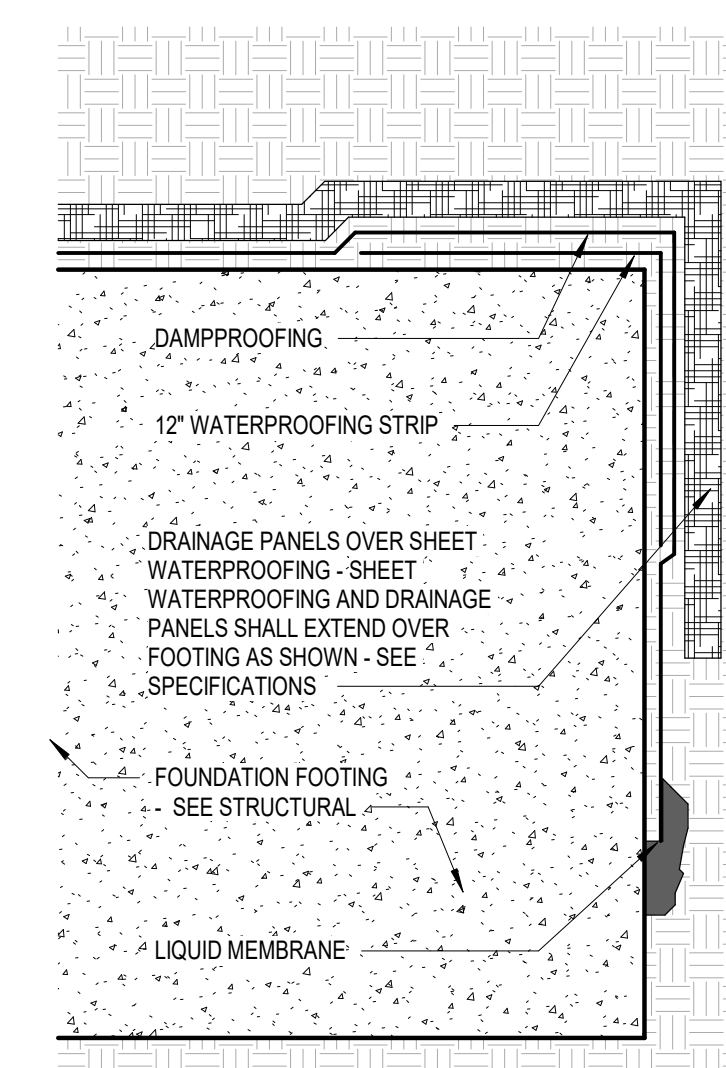
NO.	DESCRIPTION

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DATE: 12/06/2024  
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NEW 911 CENTER FOR UNION COUNTY  
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507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512

DRAWING NUMBER

**A5.11**



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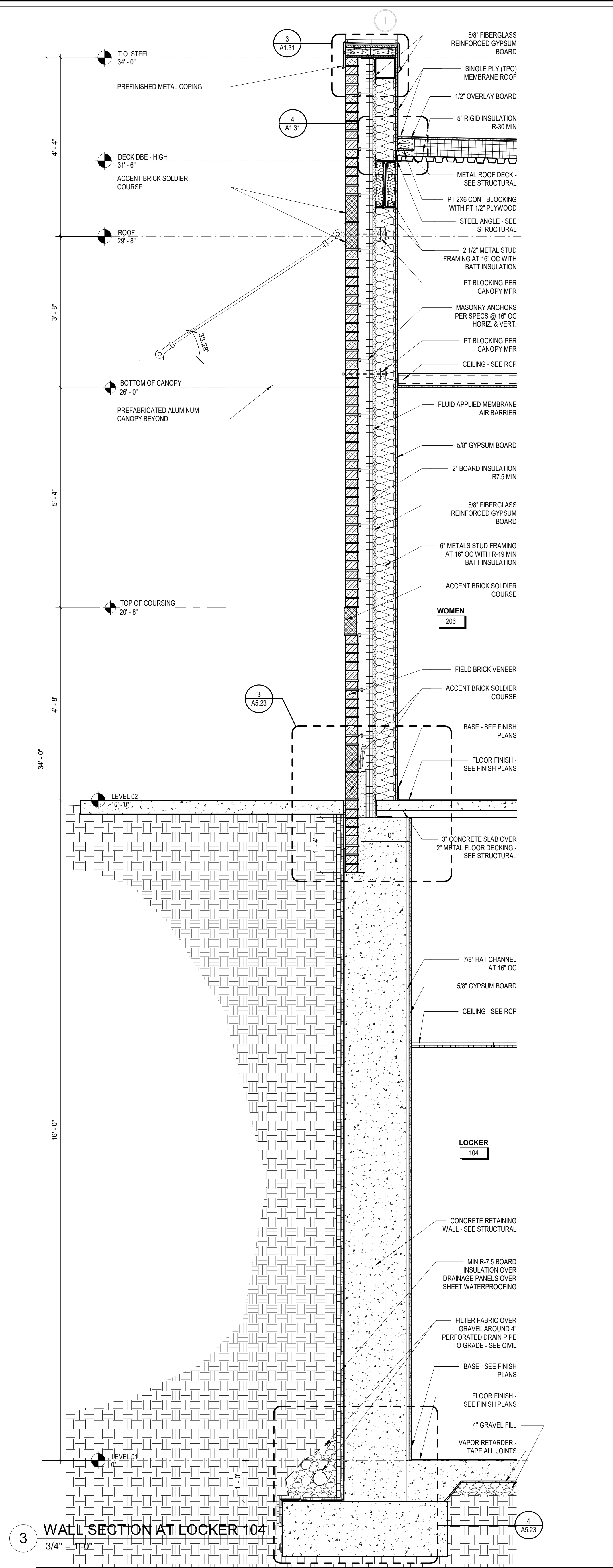
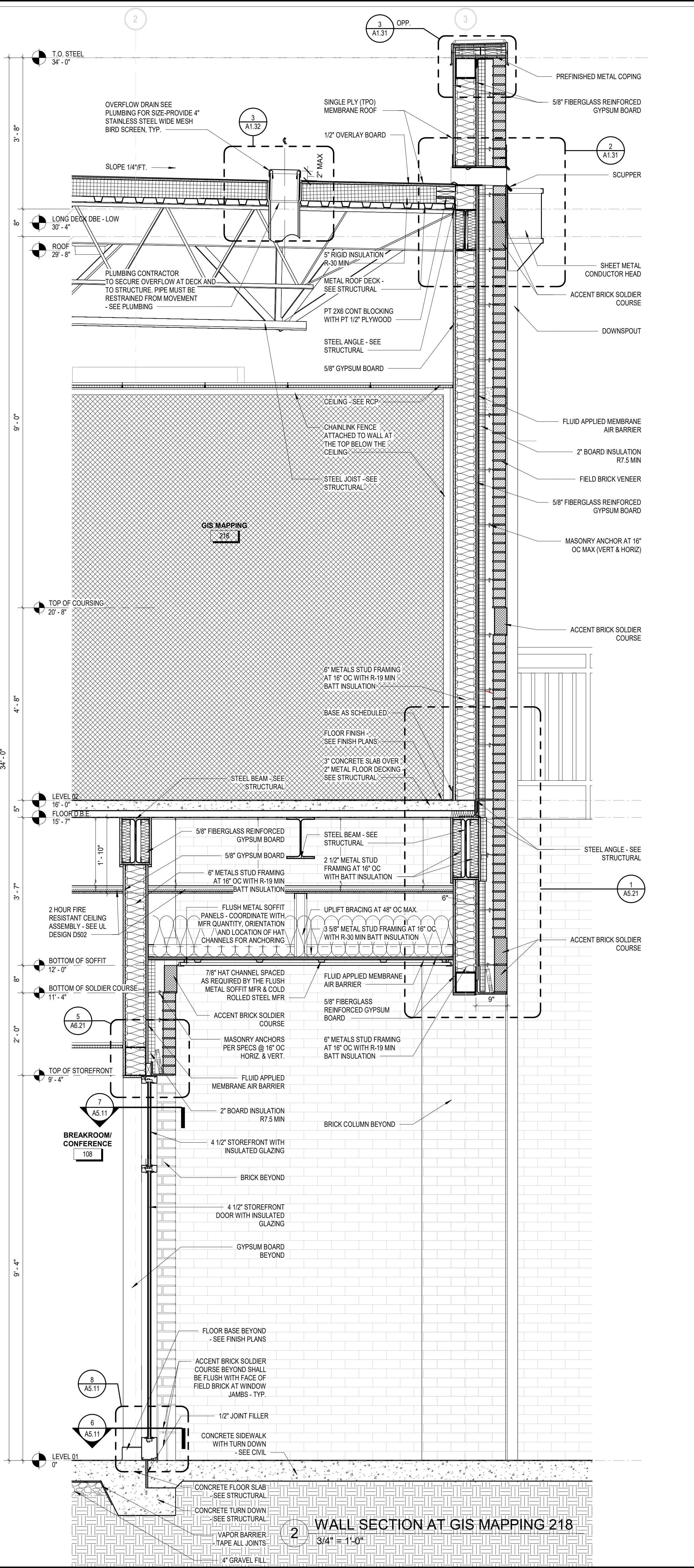
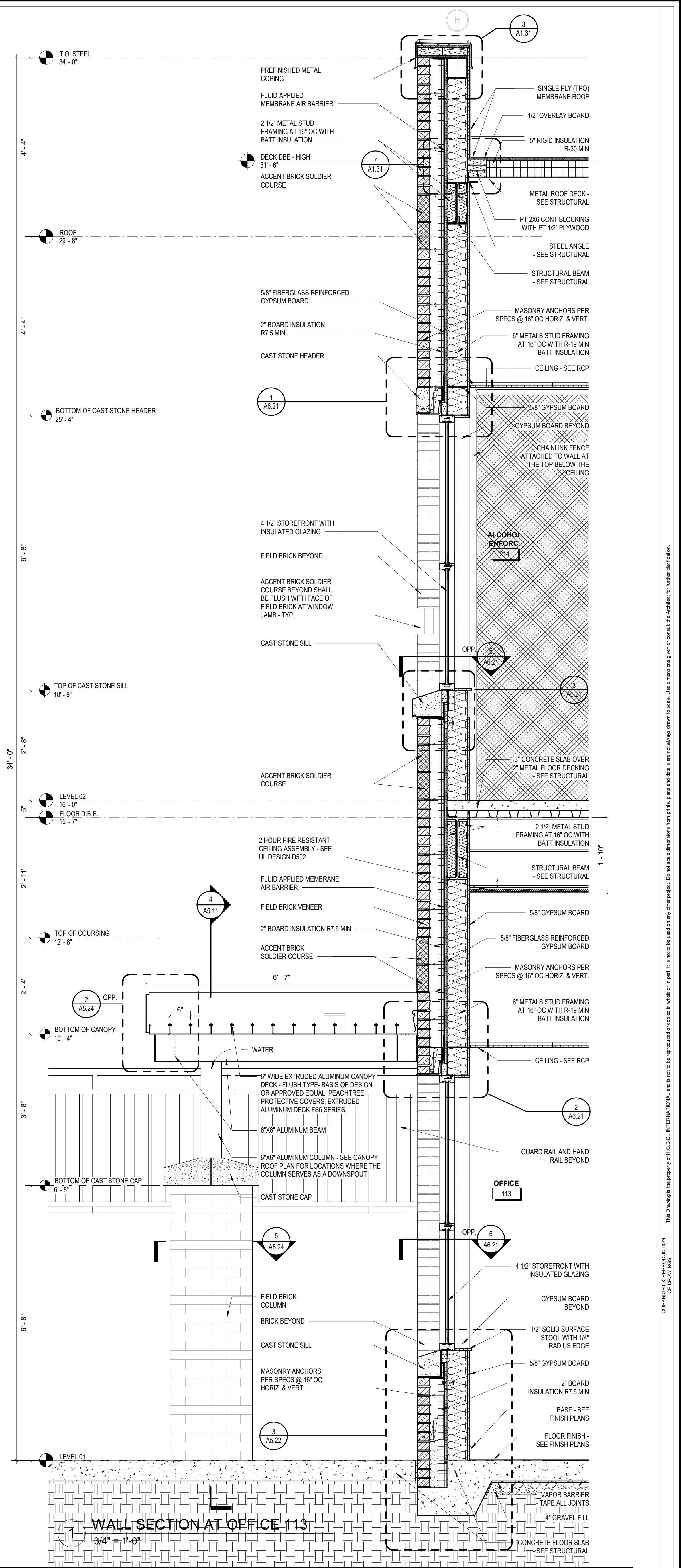
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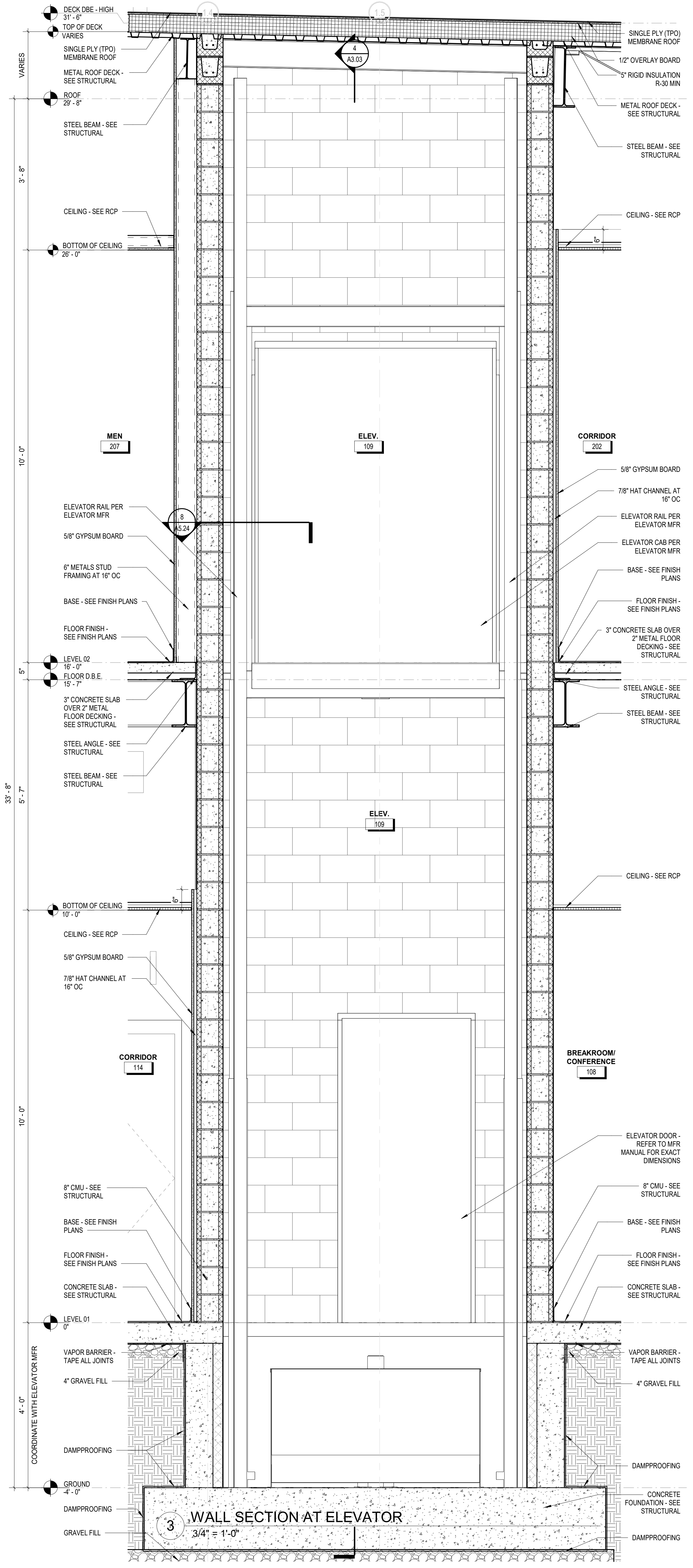
DESIGNED DRAWN CHECKED  
CC BK CC SN  
DATE: 12/06/2024  
JOB NO. 624 1109 01

NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
WALL SECTIONS

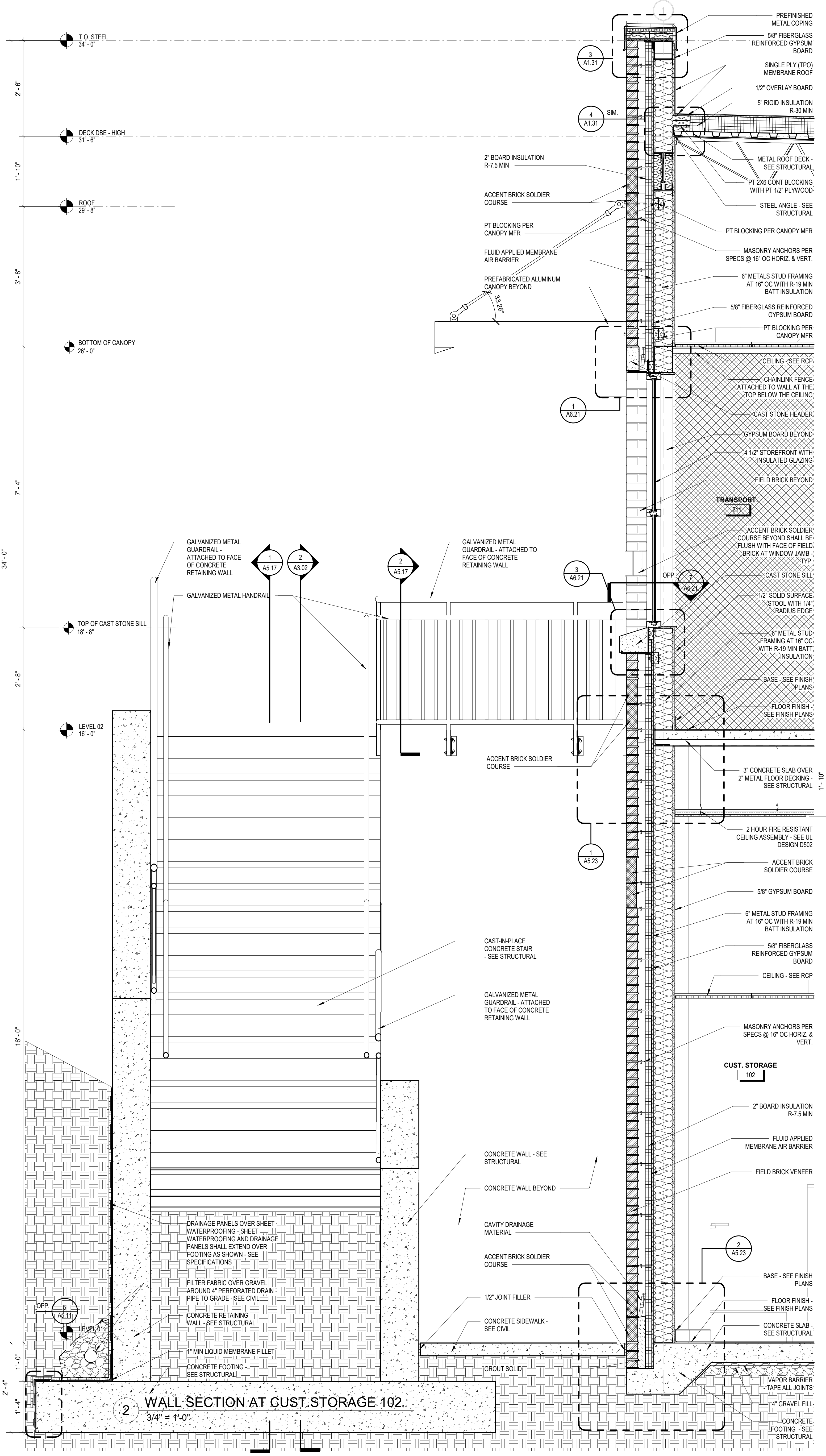
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**A5.12**

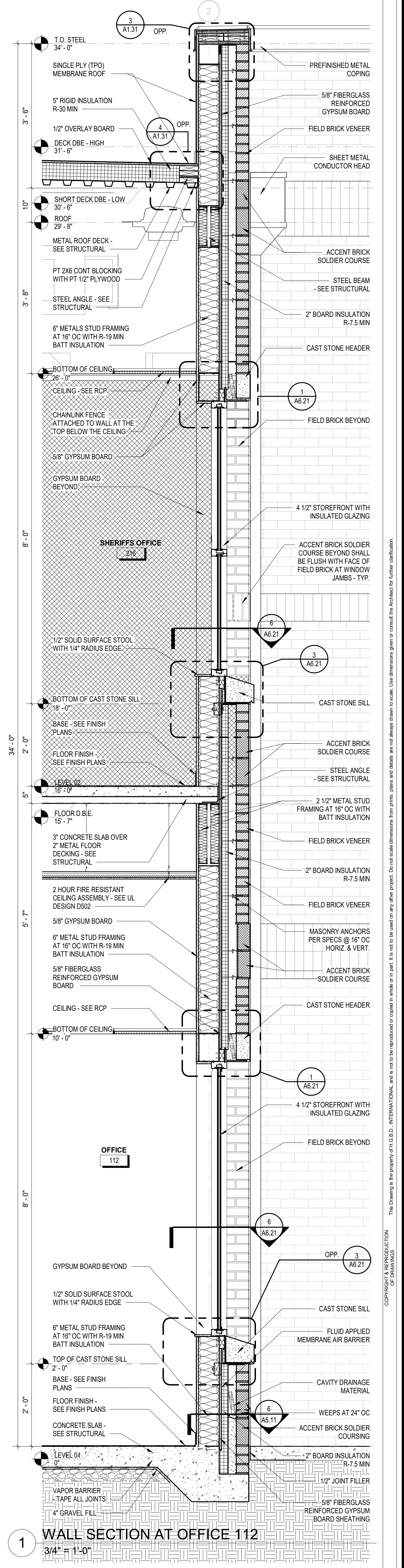





**3 WALL SECTION AT ELEVATOR**  
3/4" = 1'-0"



**2 WALL SECTION AT CUST. STORAGE 102.**  
3/4" = 1'-0"



**1 WALL SECTION AT OFFICE 112**  
3/4" = 1'-0"



**HUSSEY GAY BELL**  
Established 1958  
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**WALL SECTIONS**

DRAWING NUMBER  
**A5.13**

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CONSTRUCTION DOCUMENT PACKAGE

REVISIONS:

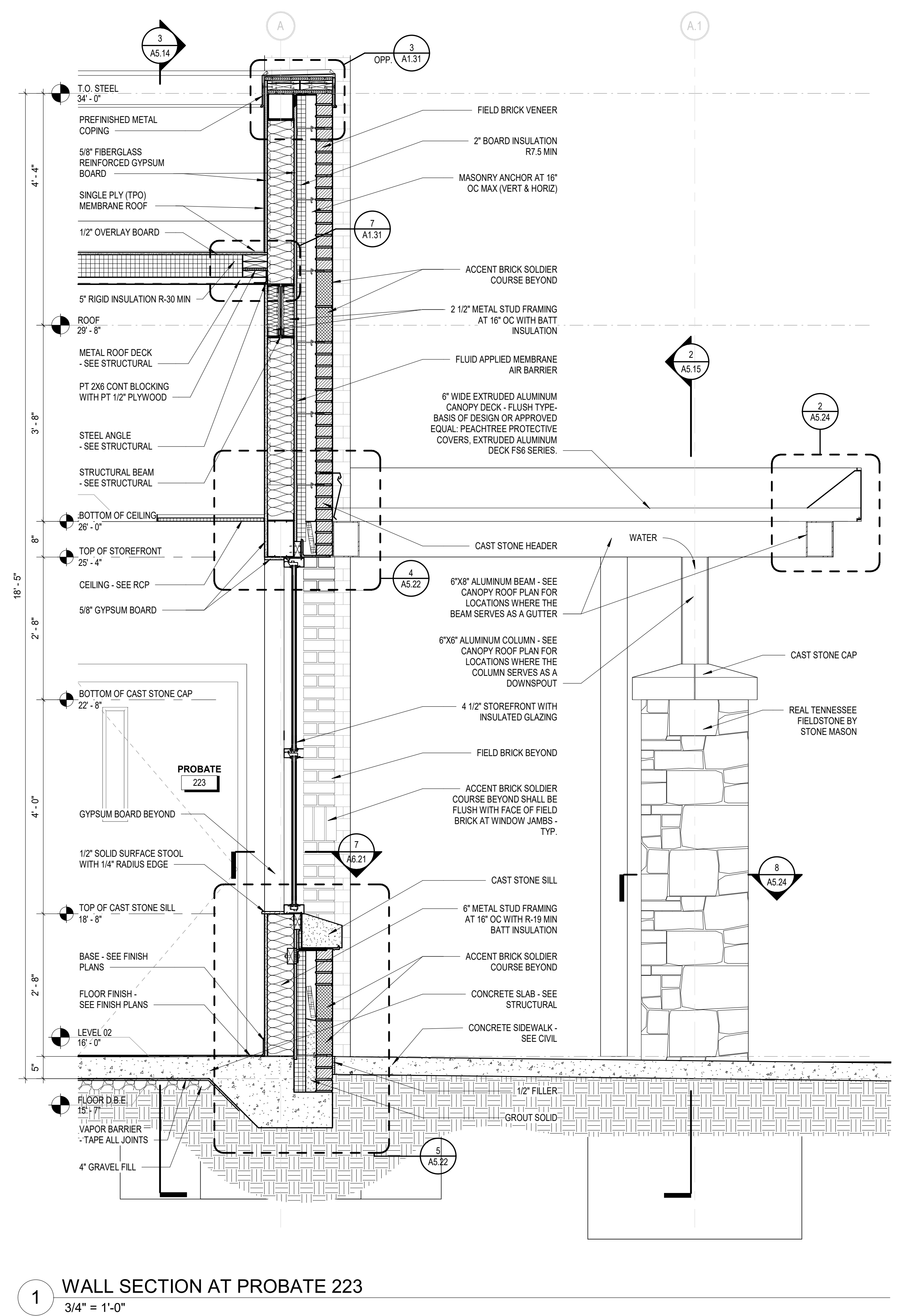

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**WALL SECTIONS**

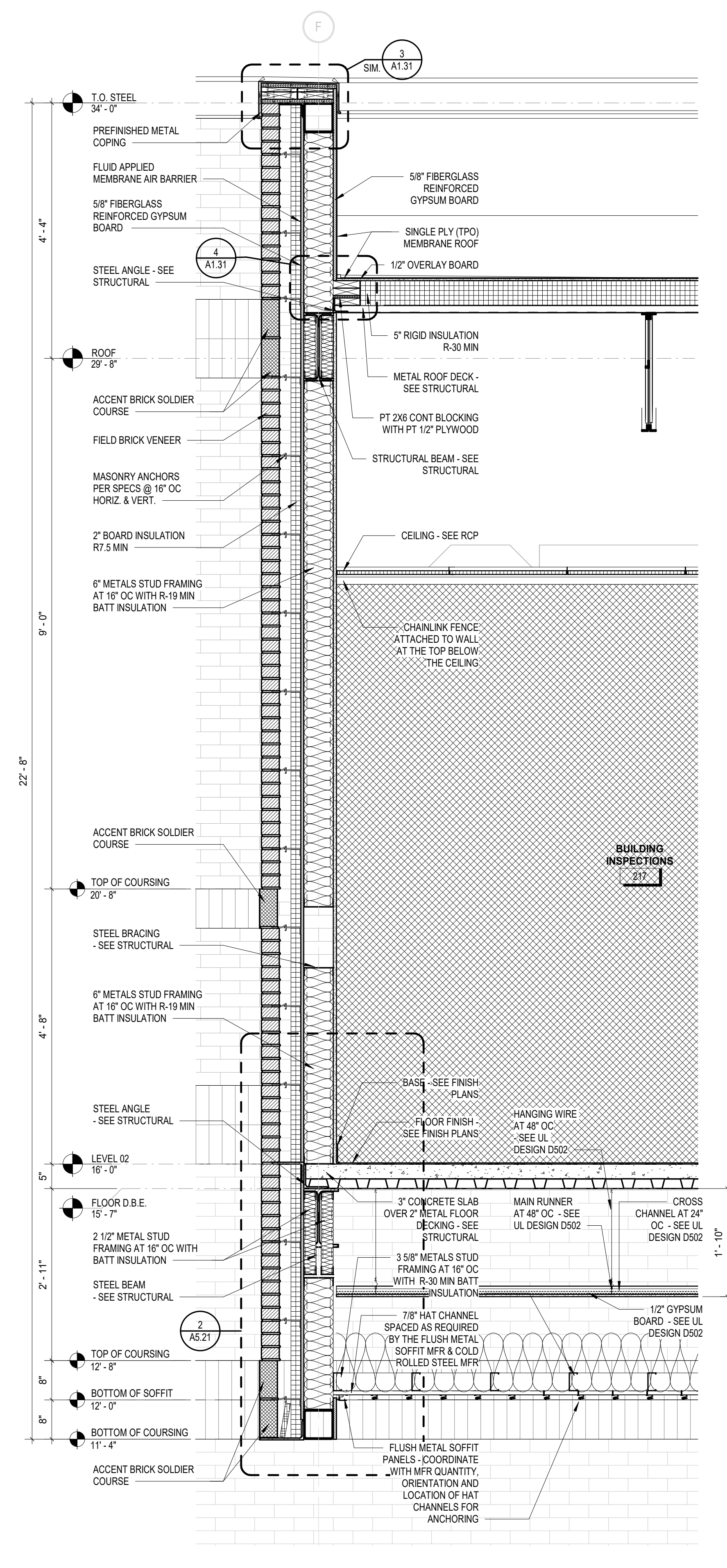
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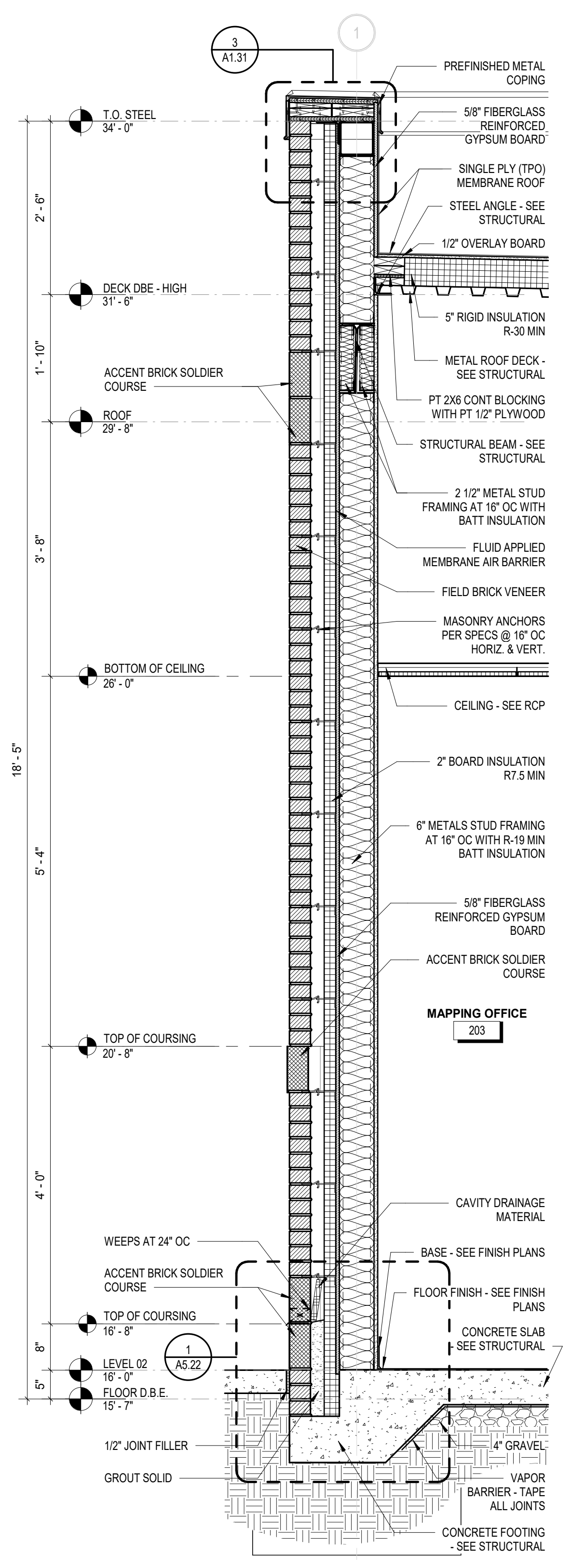
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**1 WALL SECTION AT PROBATE 223**  
 3/4" = 1'-0"



**2 WALL SECTION AT BLDG INSPECTIONS**  
 3/4" = 1'-0"



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

REVISIONS

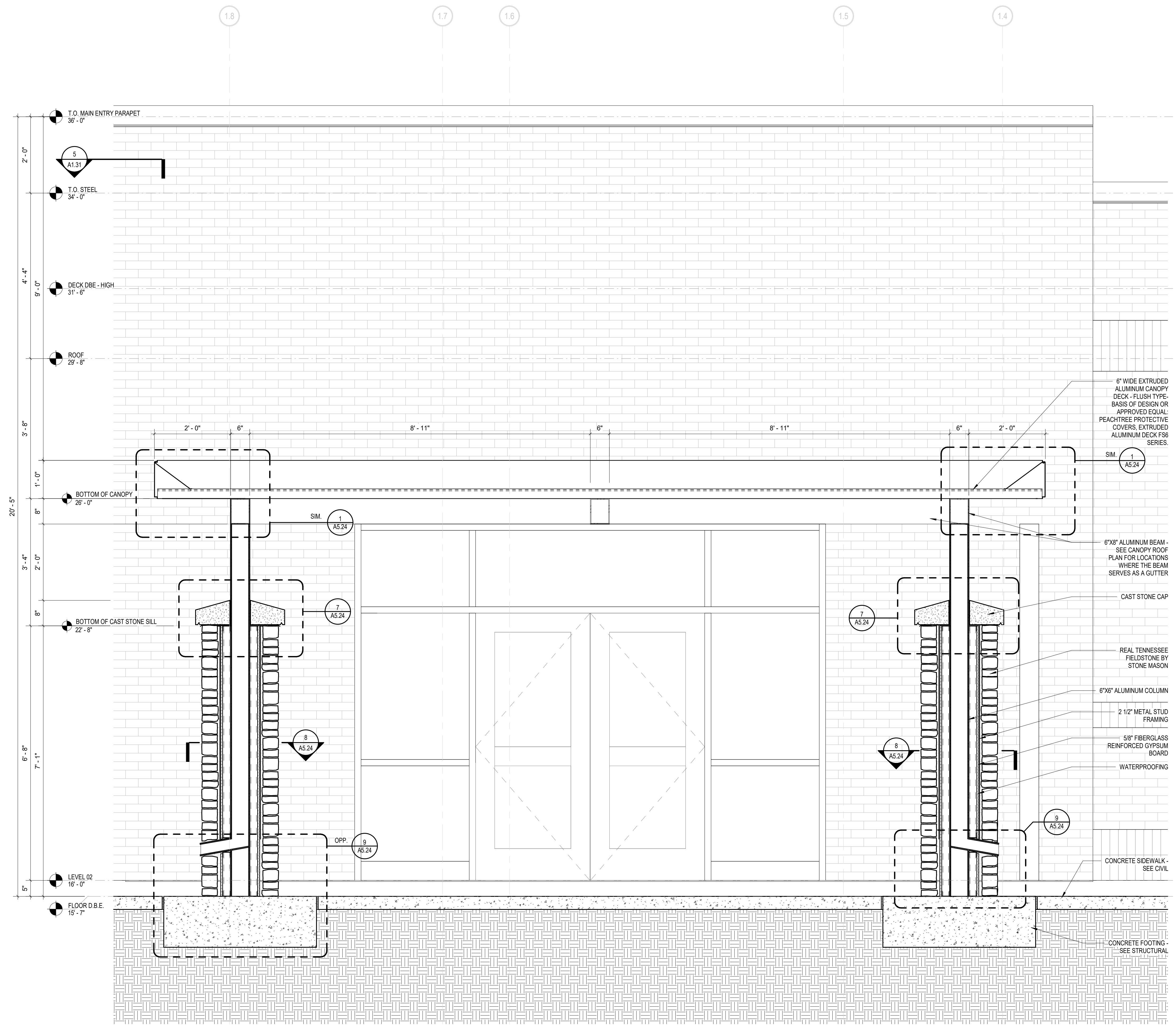
NO.	DESCRIPTION

DESIGNED	DRAWN	CHECKED
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DATE: 12/06/2024		
JOB NO. 624 1109 01		

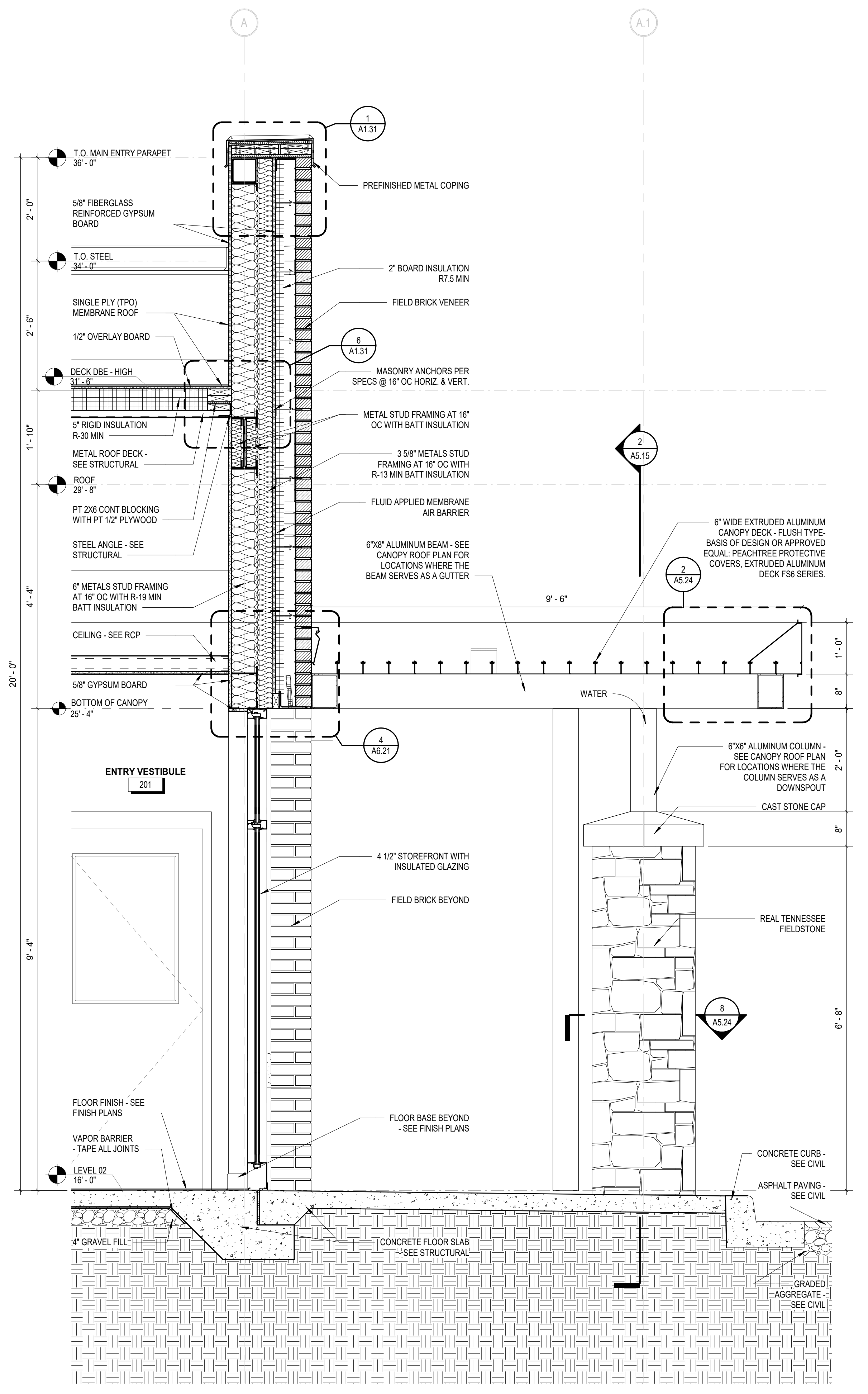
NEW 911 CENTER FOR UNION COUNTY  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
 WALL SECTIONS

DRAWING NUMBER

**A5.15**



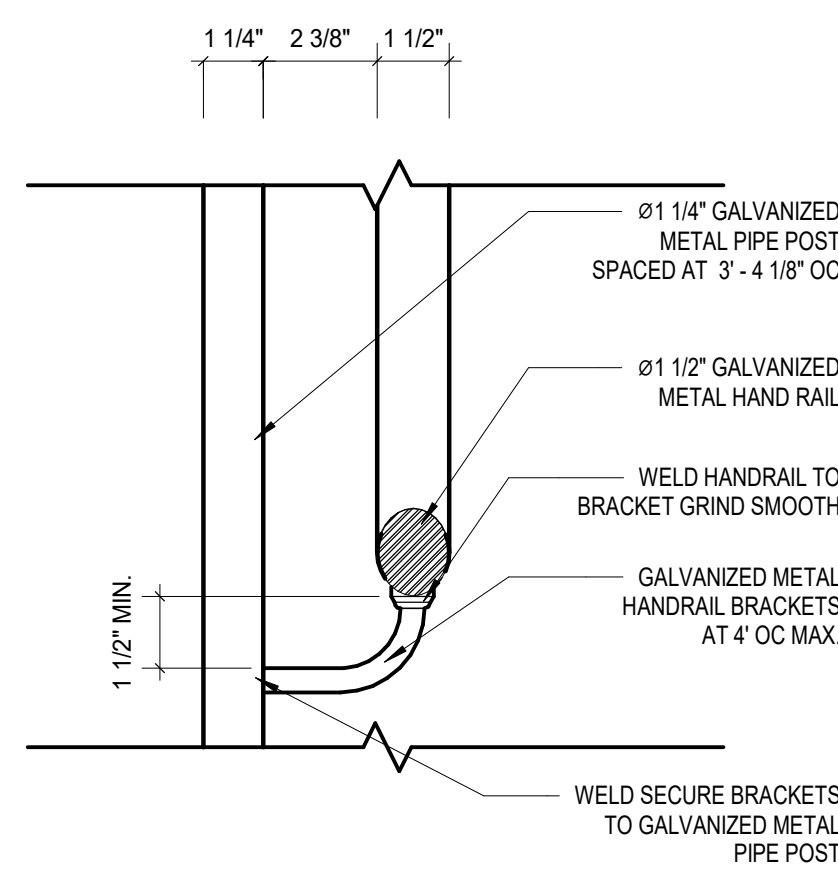
**2** MAIN ENTRY CANOPY SECTION  
 3/4" = 1'-0"



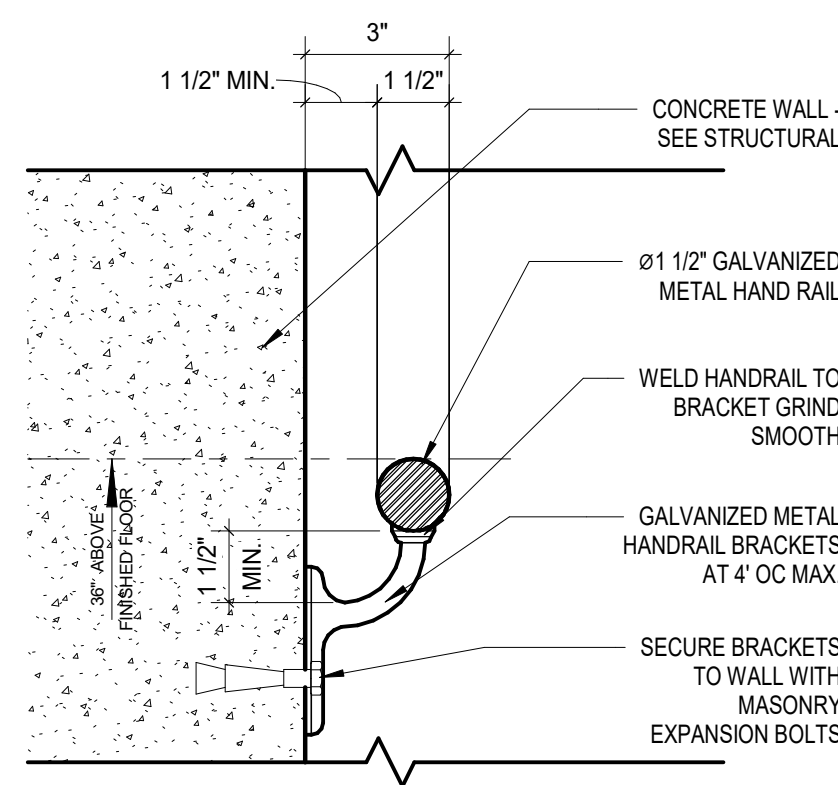
**1** WALL SECTION AT ENTRY VESTIBULE  
 3/4" = 1'-0"



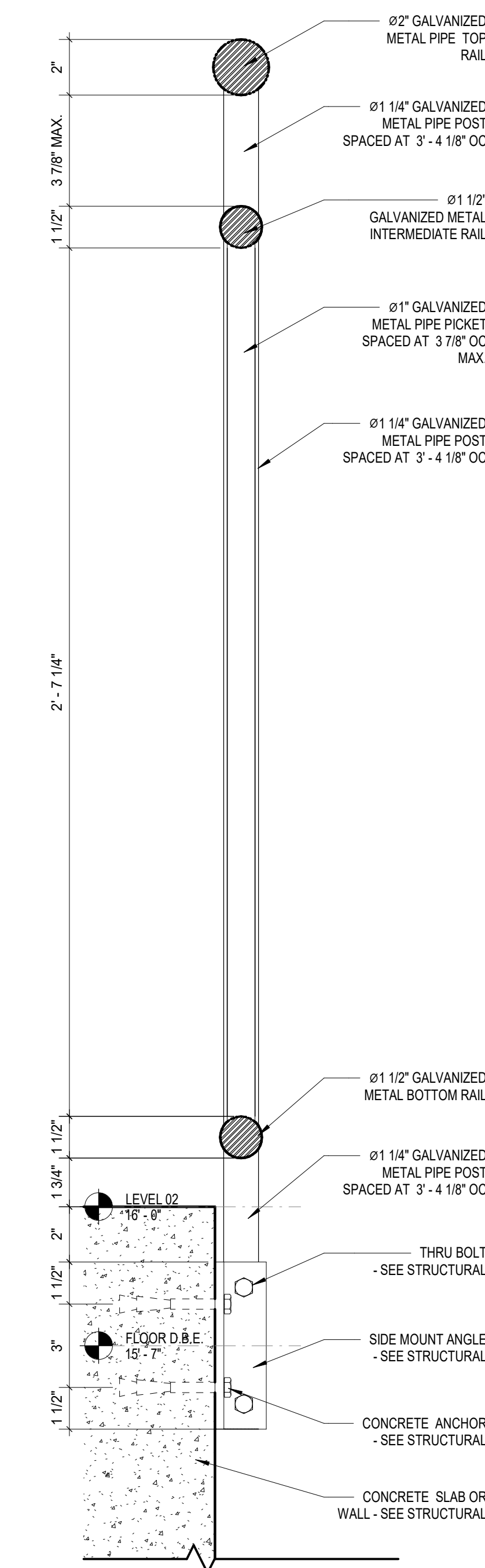




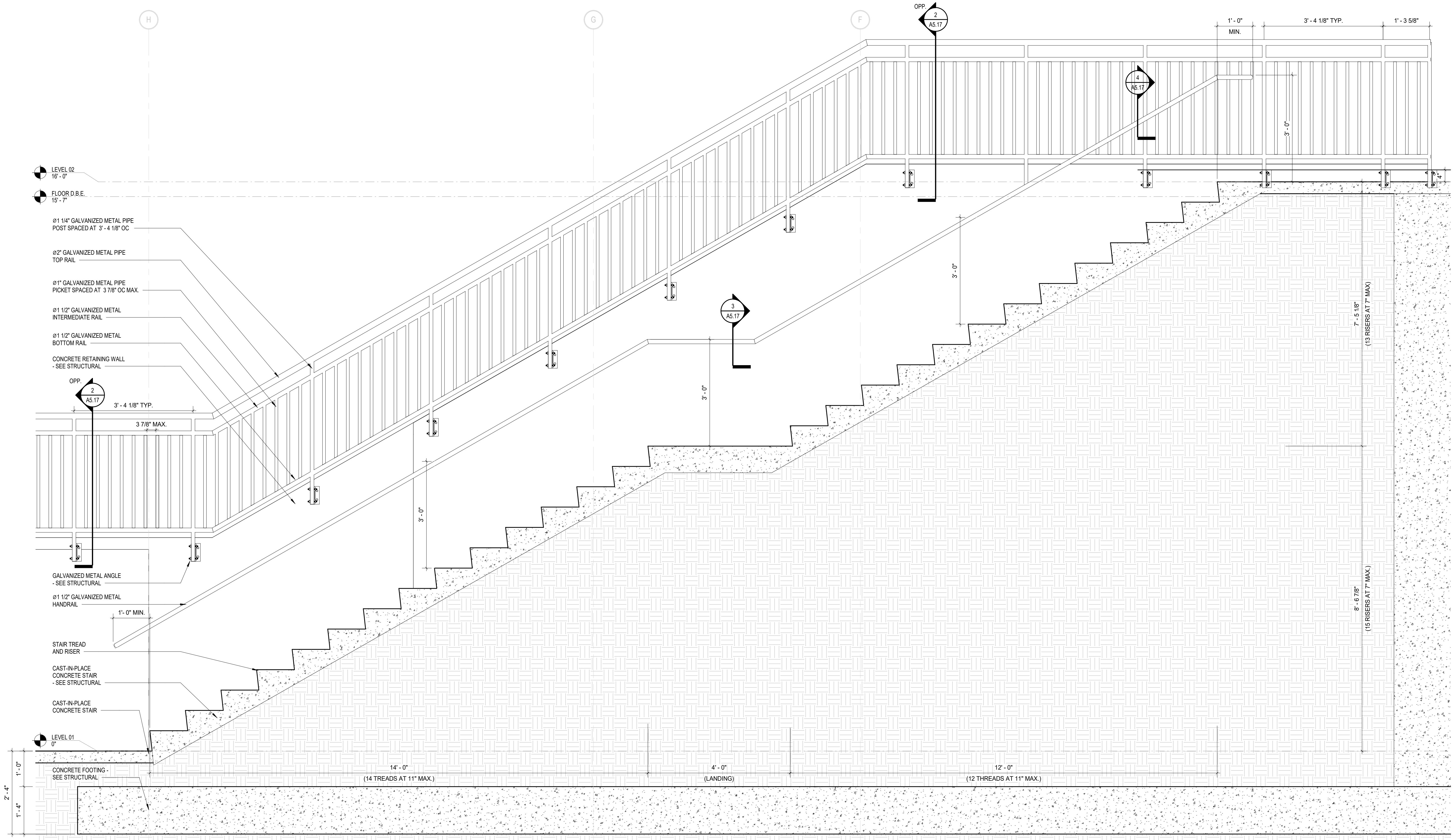
4 TYP HANDRAIL WELD  
3" = 1'-0"



3 TYP HANDRAIL SECTION  
3" = 1'-0"



2 TYP. SIDE MOUNT GUARDRAIL  
3" = 1'-0"



1 EXTERIOR STAIR SECTION  
3/4" = 1'-0"

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 3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096, T: 770.923.1600

REVISIONS: ▽

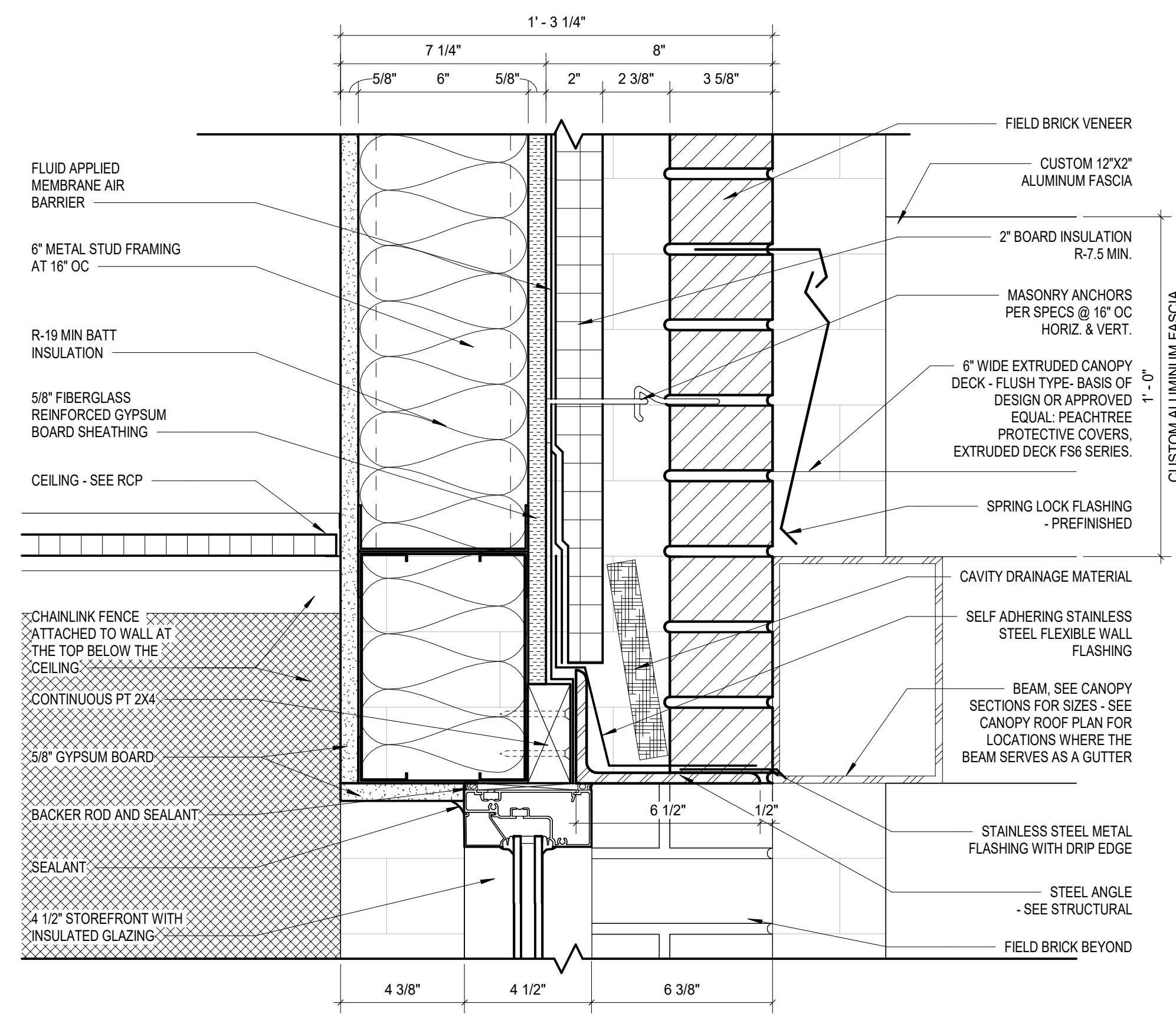
NO.	DESCRIPTION

DESIGNED	DRAWN	CHECKED
Designer	Author	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

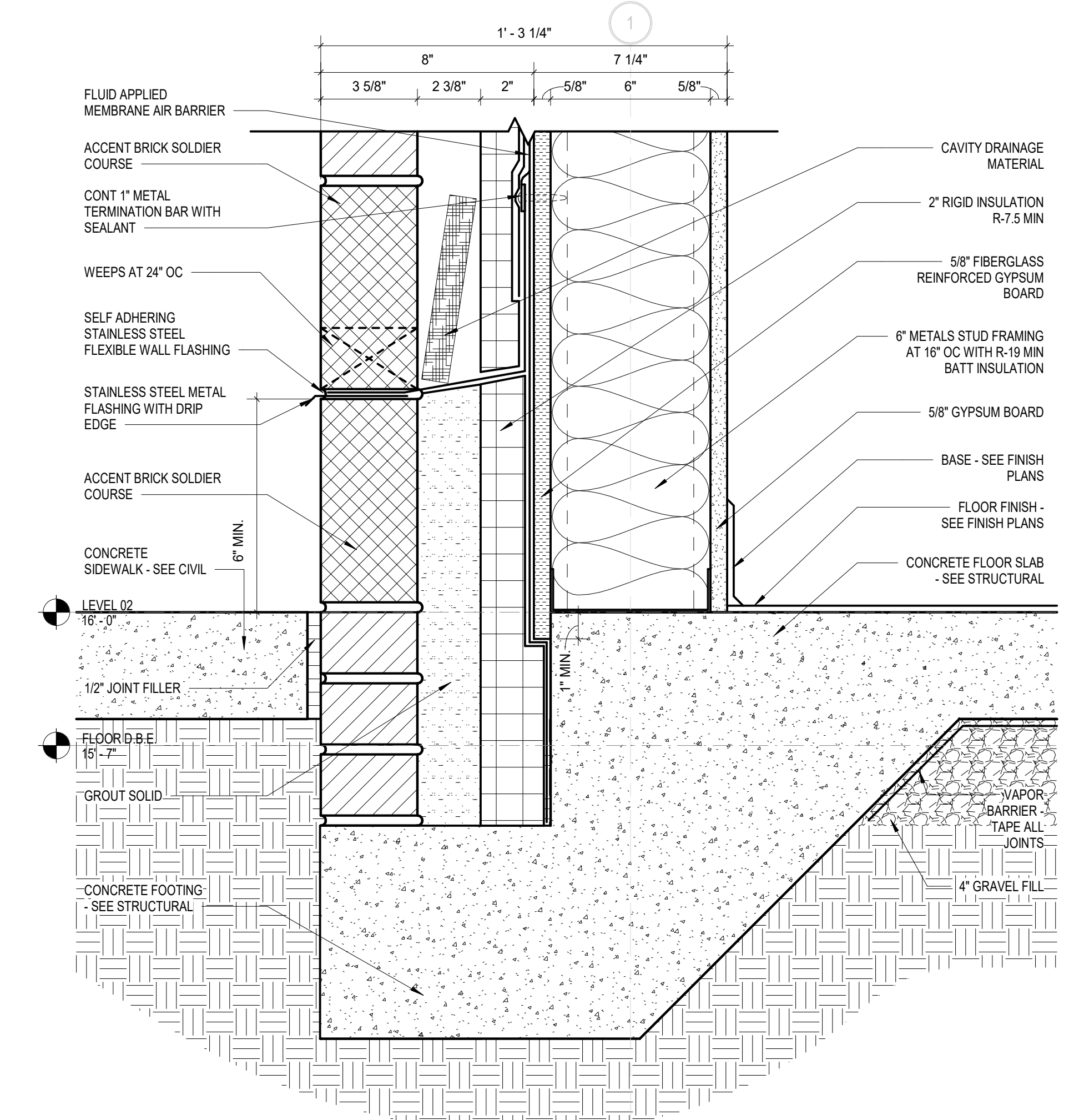
NEW 911 CENTER FOR UNION COUNTY  
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 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
 WALL SECTIONS

DRAWING NUMBER  
**A5.17**

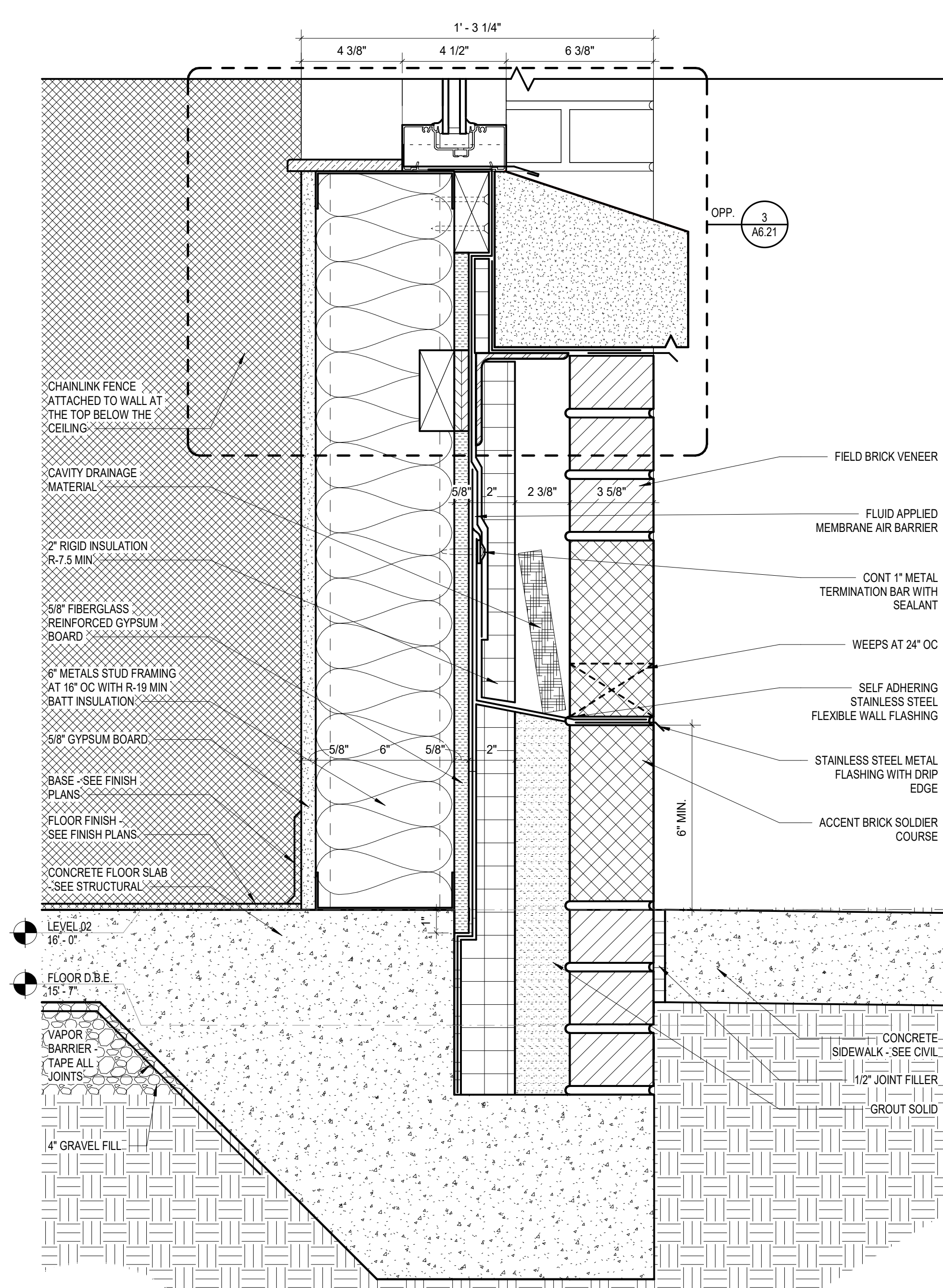




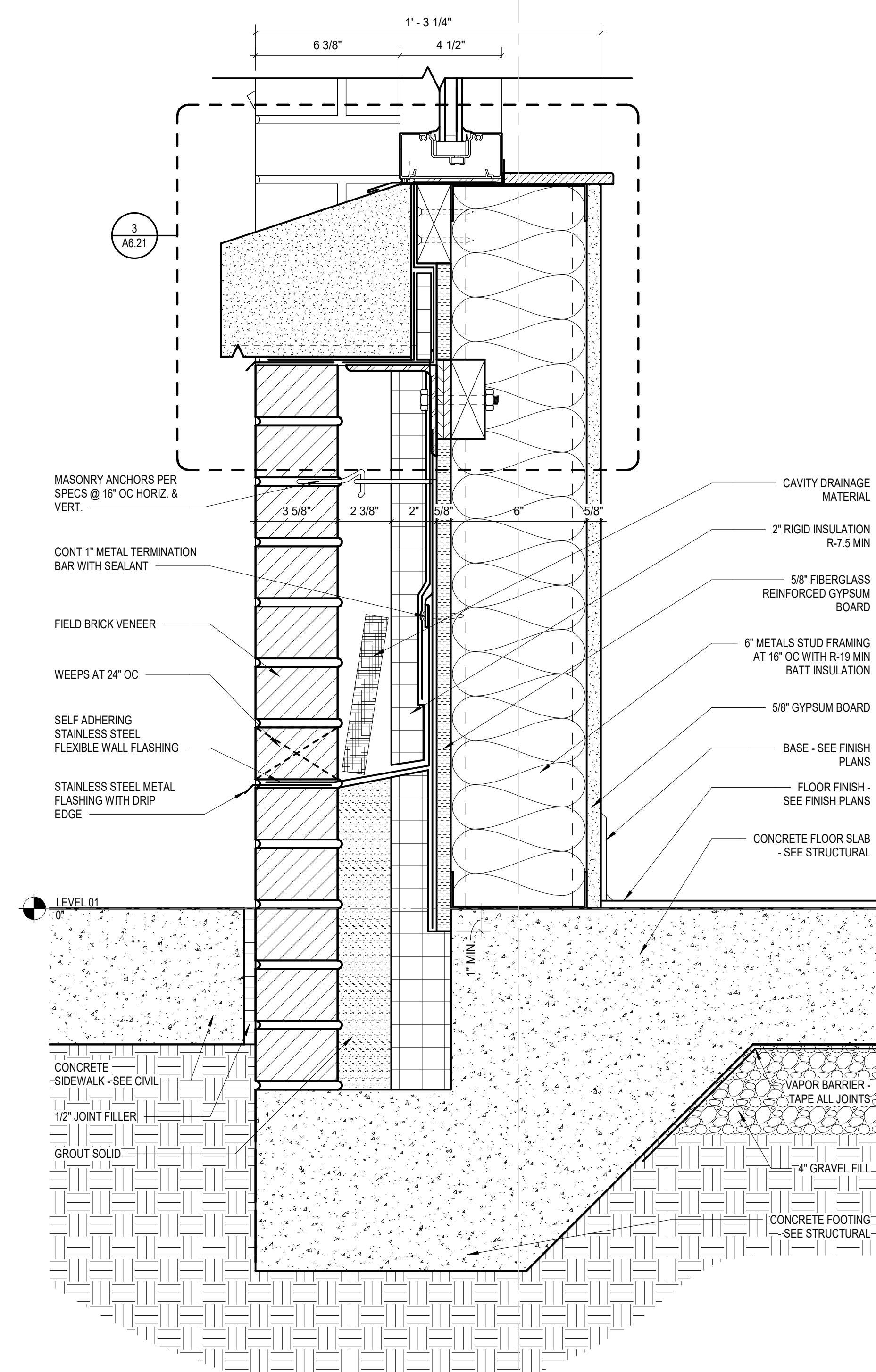
4 WINDOW FLASHING AT BRICK WALL  
3" = 1'-0"



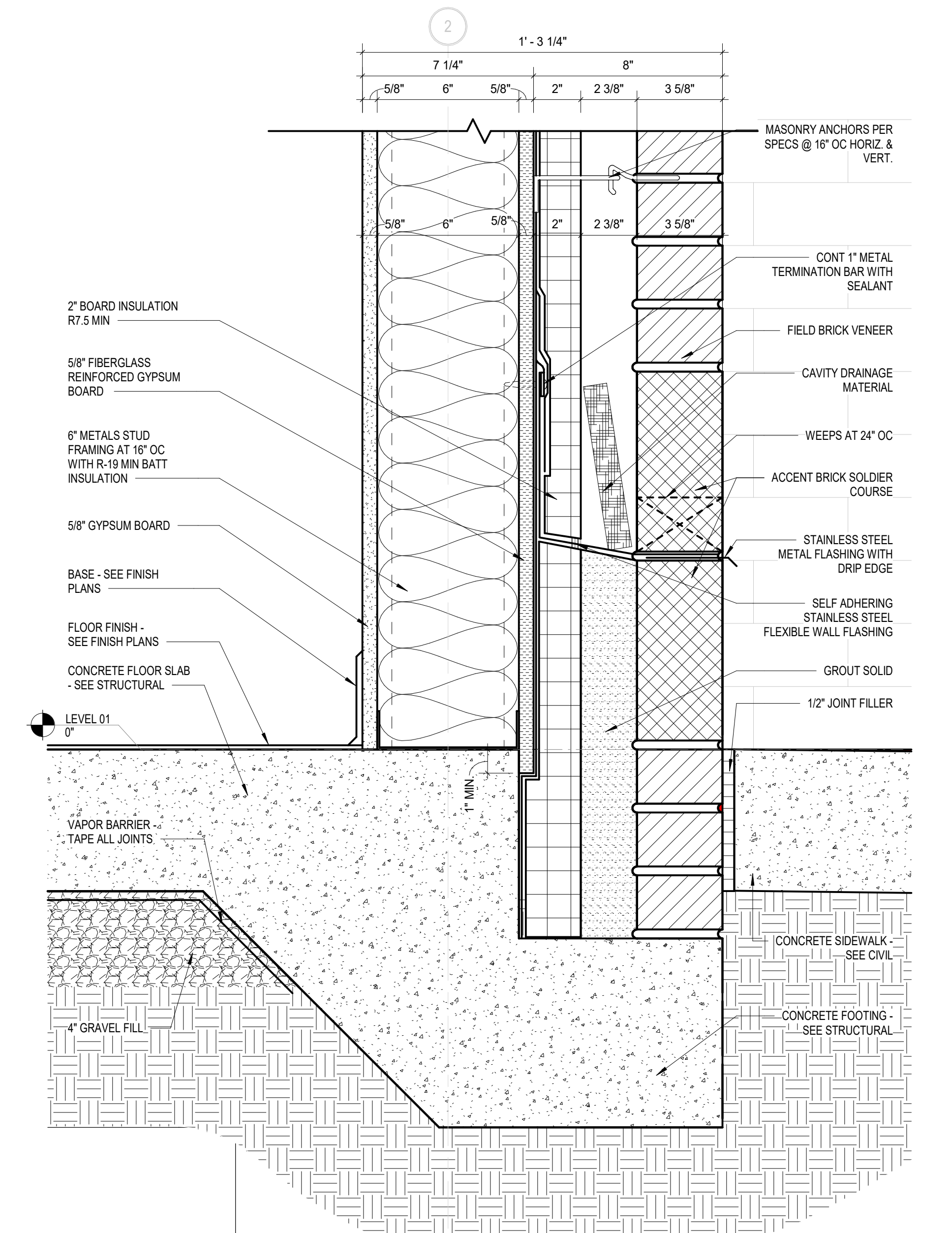
1 BASE FLASHING AT BRICK WALL  
3" = 1'-0"



5 BASE FLASHING AT BRICK WALL  
3" = 1'-0"



3 BASE FLASHING AT BRICK WALL  
3" = 1'-0"



2 BASE FLASHING AT BRICK WALL  
3" = 1'-0"



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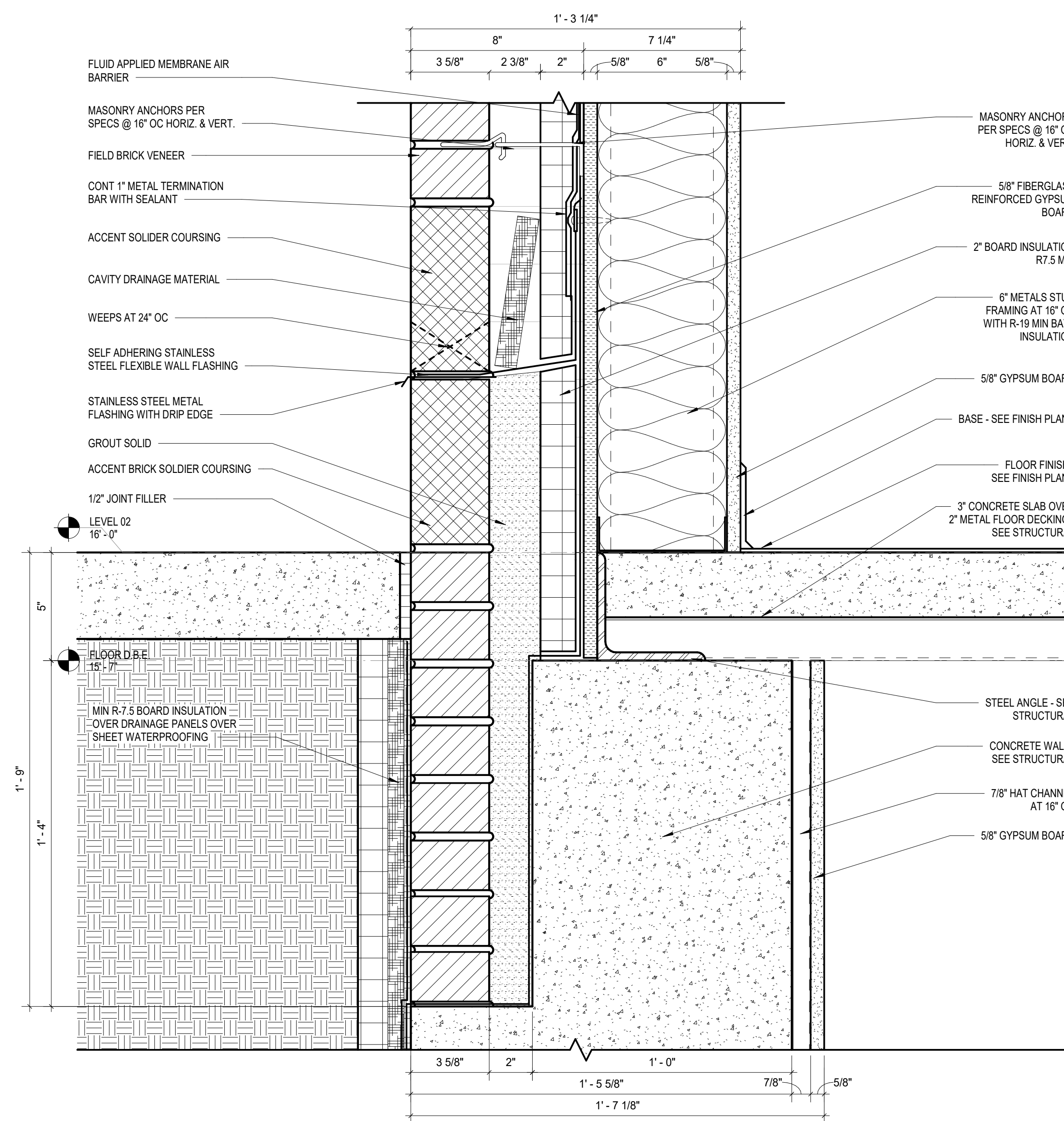
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
CC	BK	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

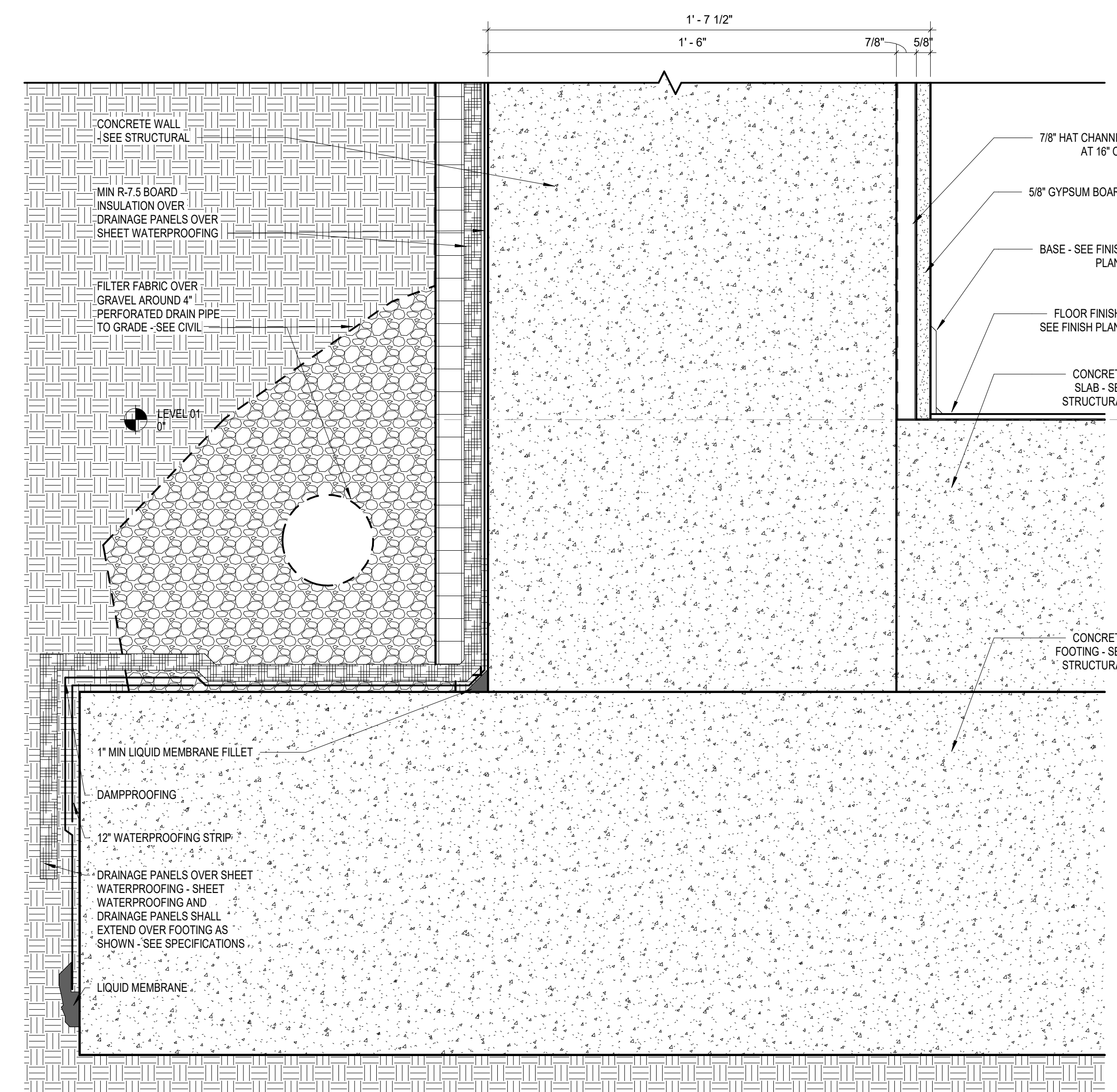
NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
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DRAWING NUMBER

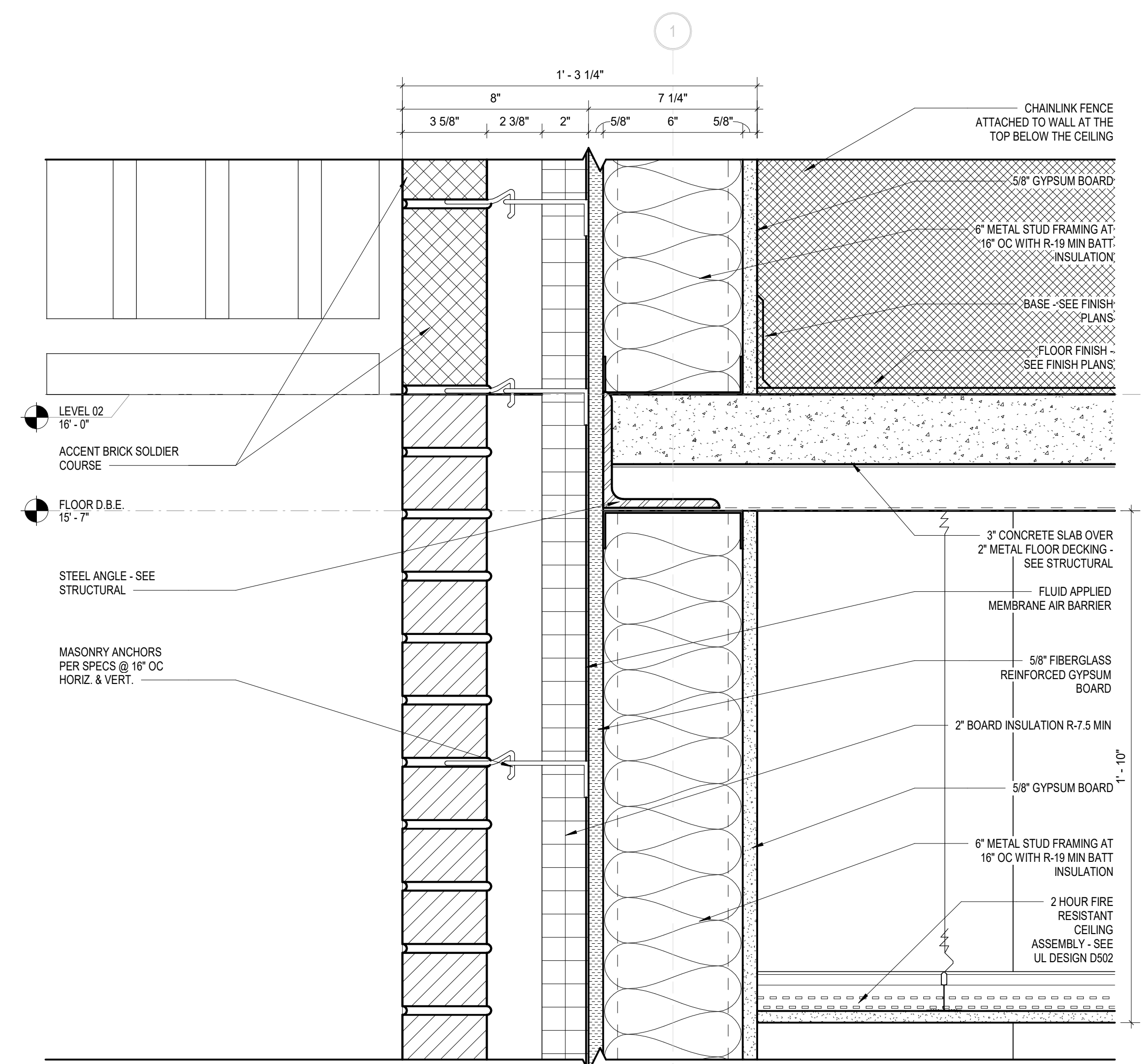
A5.22



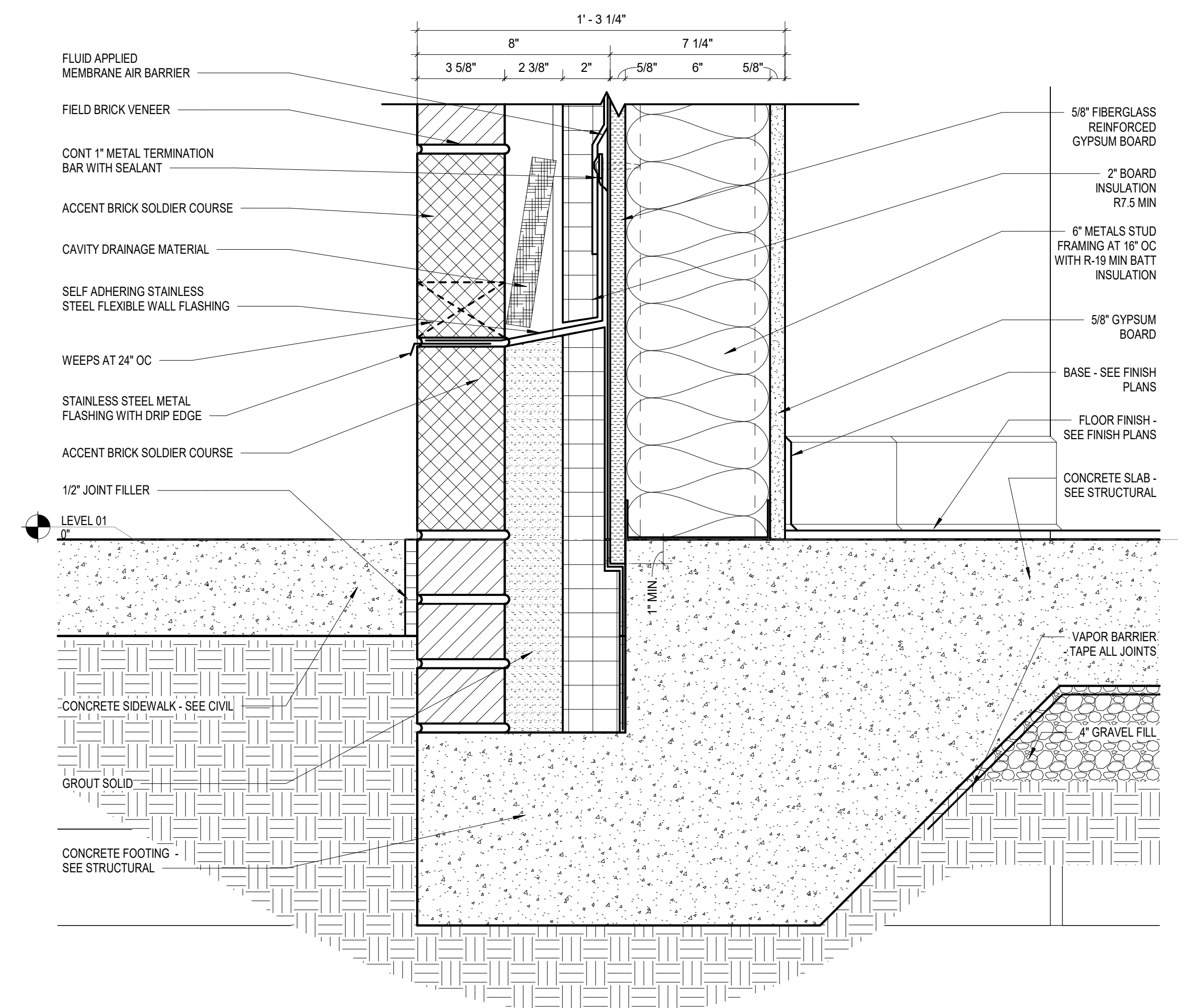
3 RETAINING WALL SECTION DETAIL  
3" = 1'-0"



4 RETAINING WALL SECTION DETAIL AT BASE  
3" = 1'-0"



1 BRICK WALL AT LEVEL 02  
3" = 1'-0"



2 BASE FLASHING AT BRICK WALL  
3" = 1'-0"



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DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
ENLARGED SECTIONS AND DETAILS

DRAWING NUMBER

A5.23

REVISIONS

NO.	DESCRIPTION

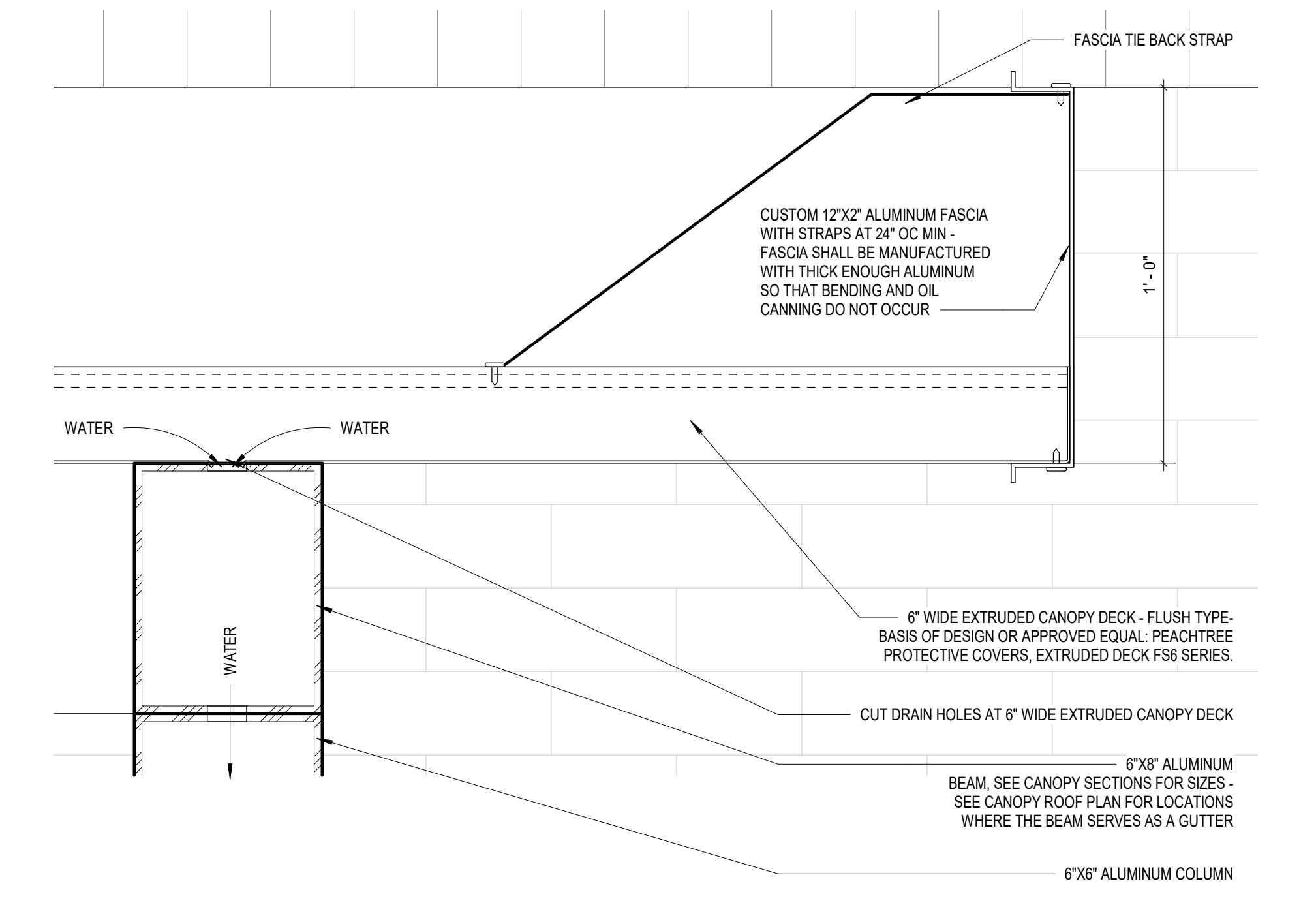
DESIGNED	DRAWN	CHECKED
Author	Author	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
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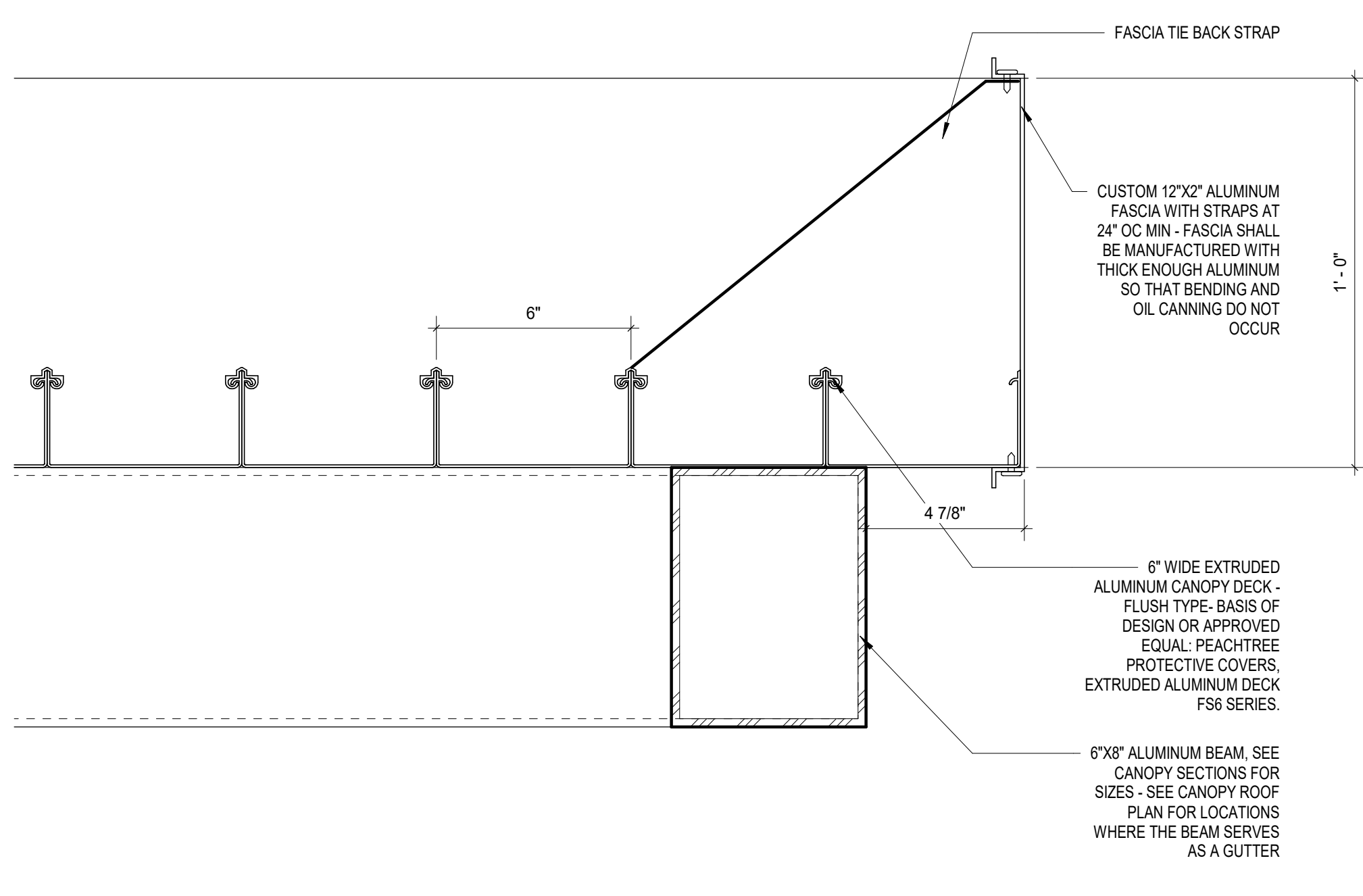
DRAWING NUMBER

**A5.24**

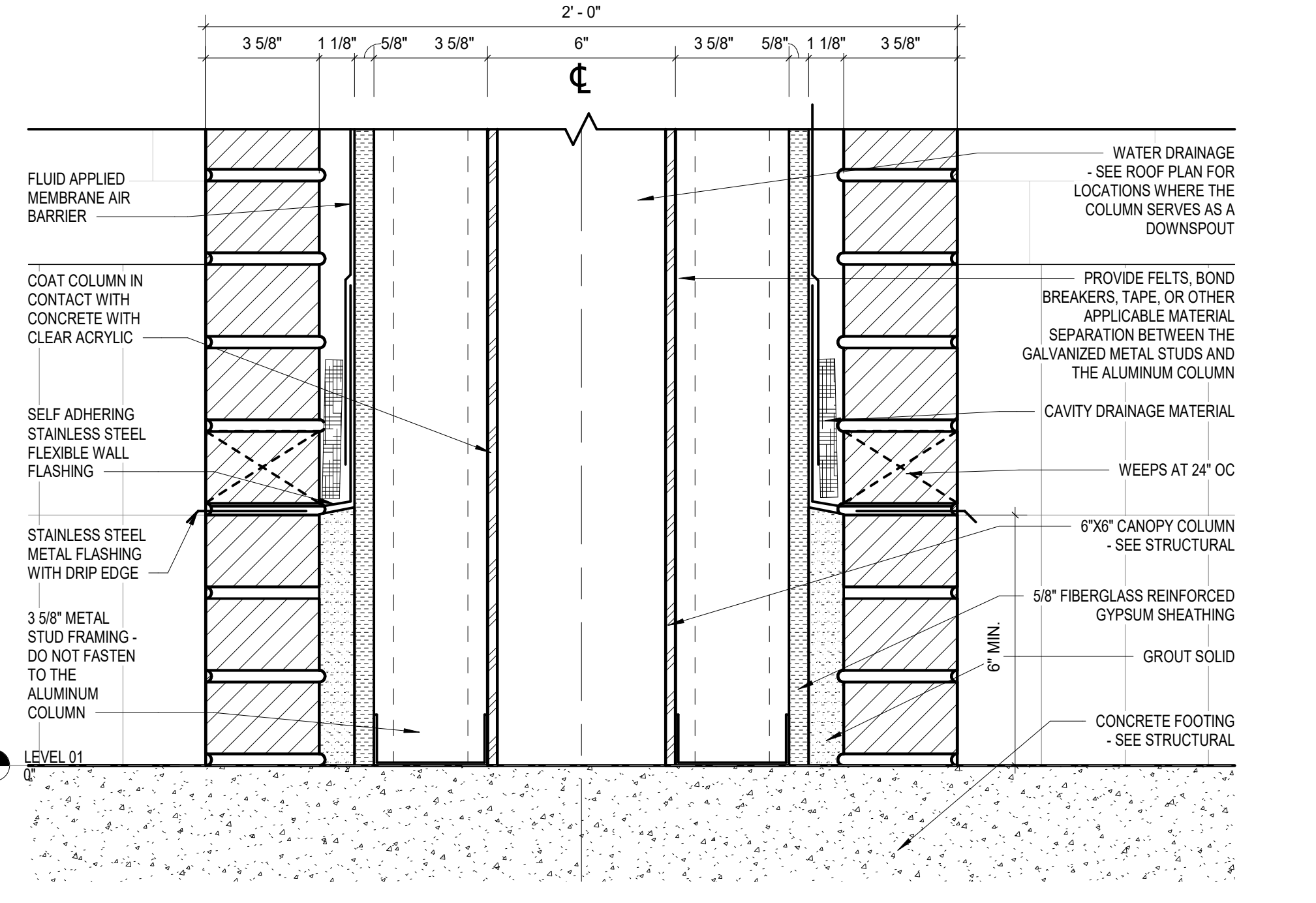
ENLARGED SECTIONS AND DETAILS



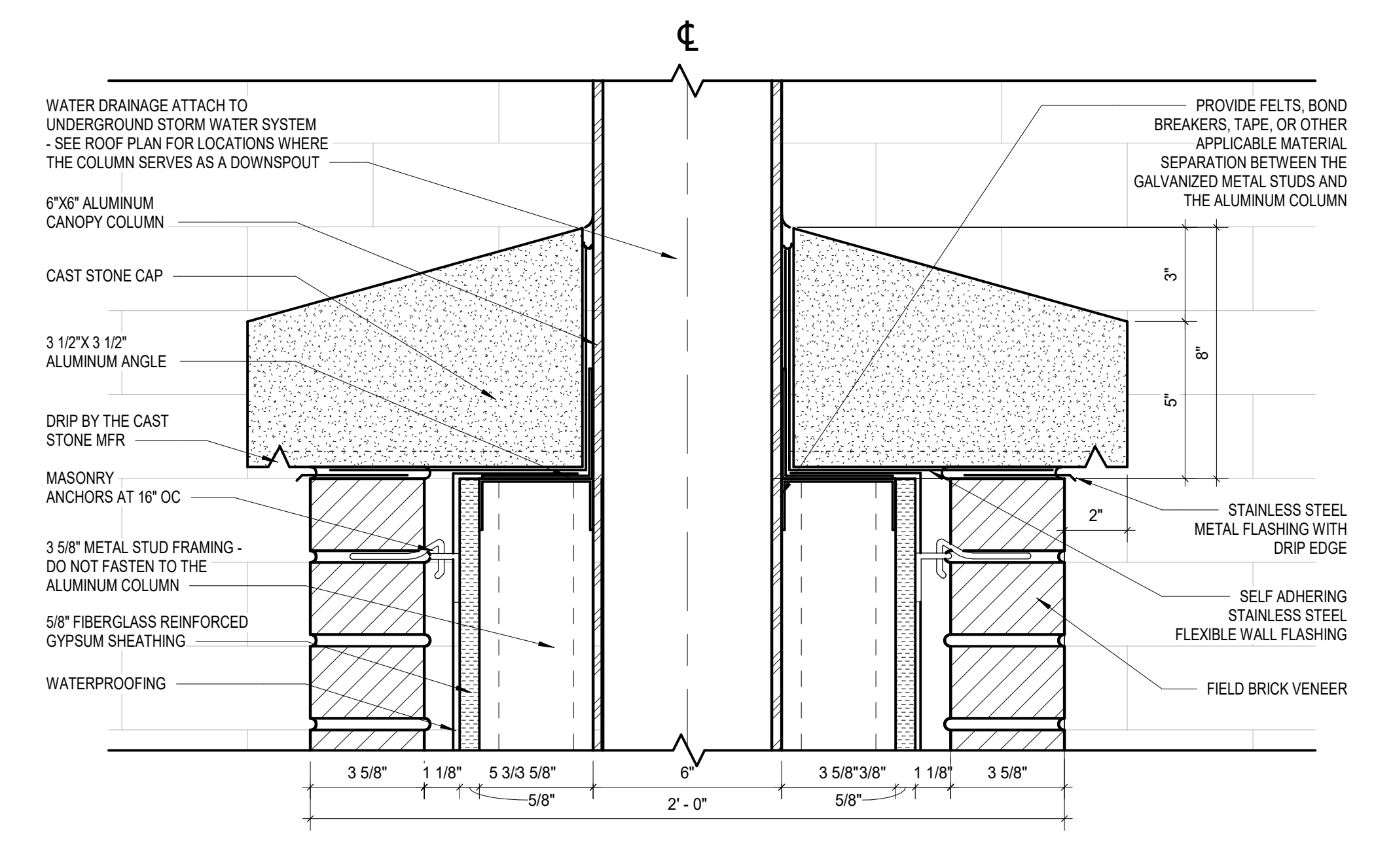
1 CANOPY SECTION DETAIL  
3" = 1'-0"



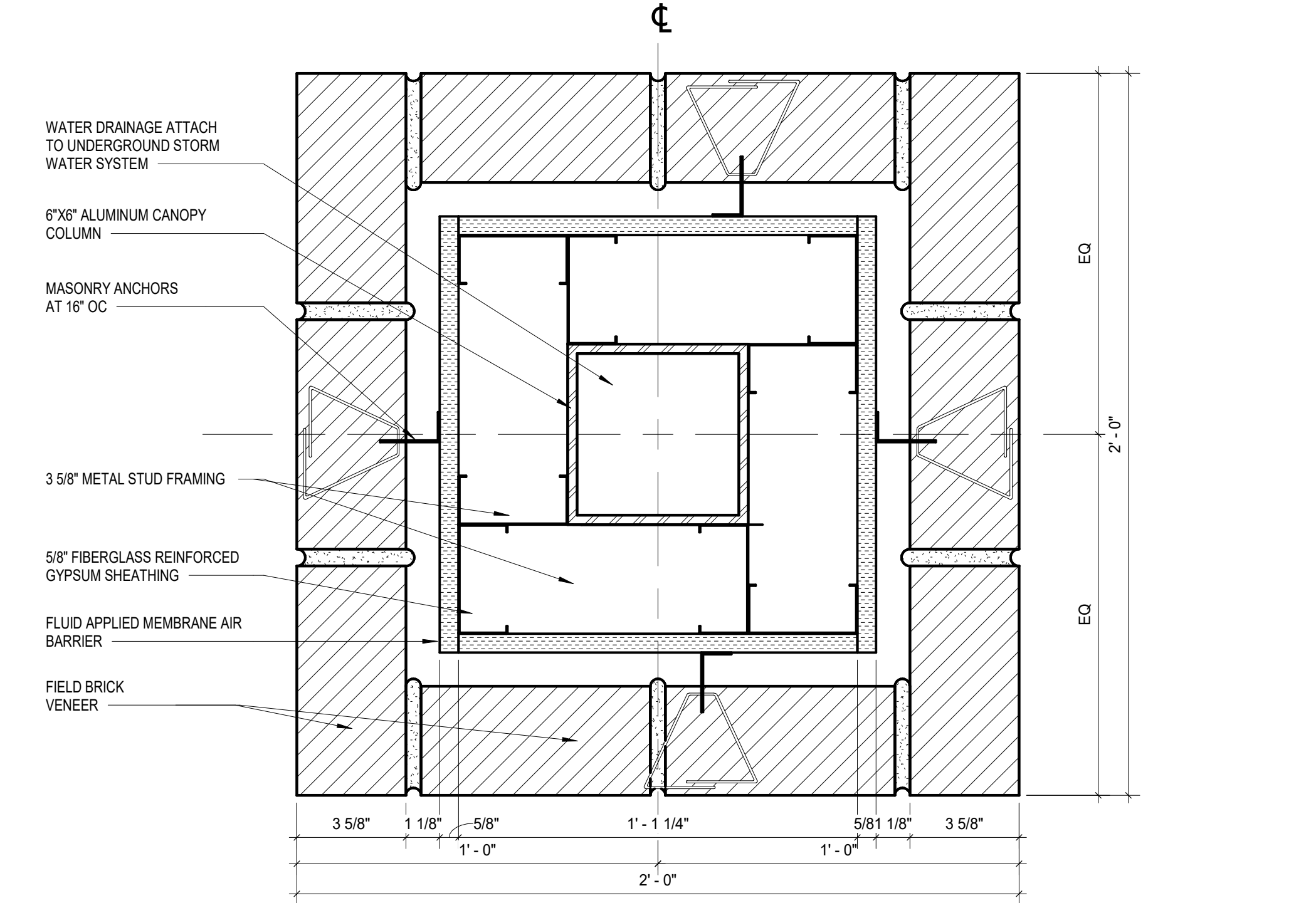
2 CANOPY COVER FASCIA  
3" = 1'-0"



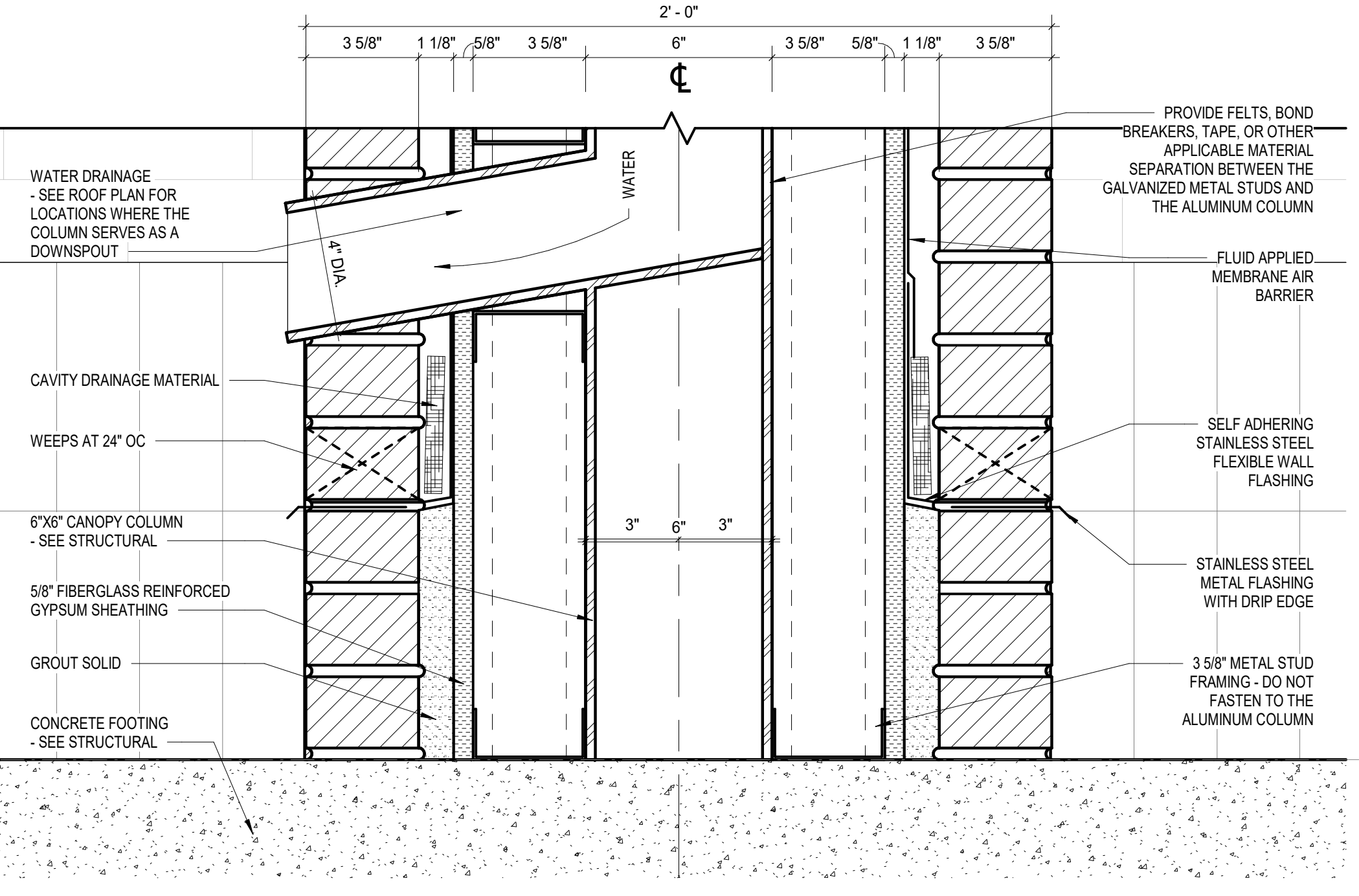
3 LOWER CANOPY FOOTING DETAIL  
3" = 1'-0"



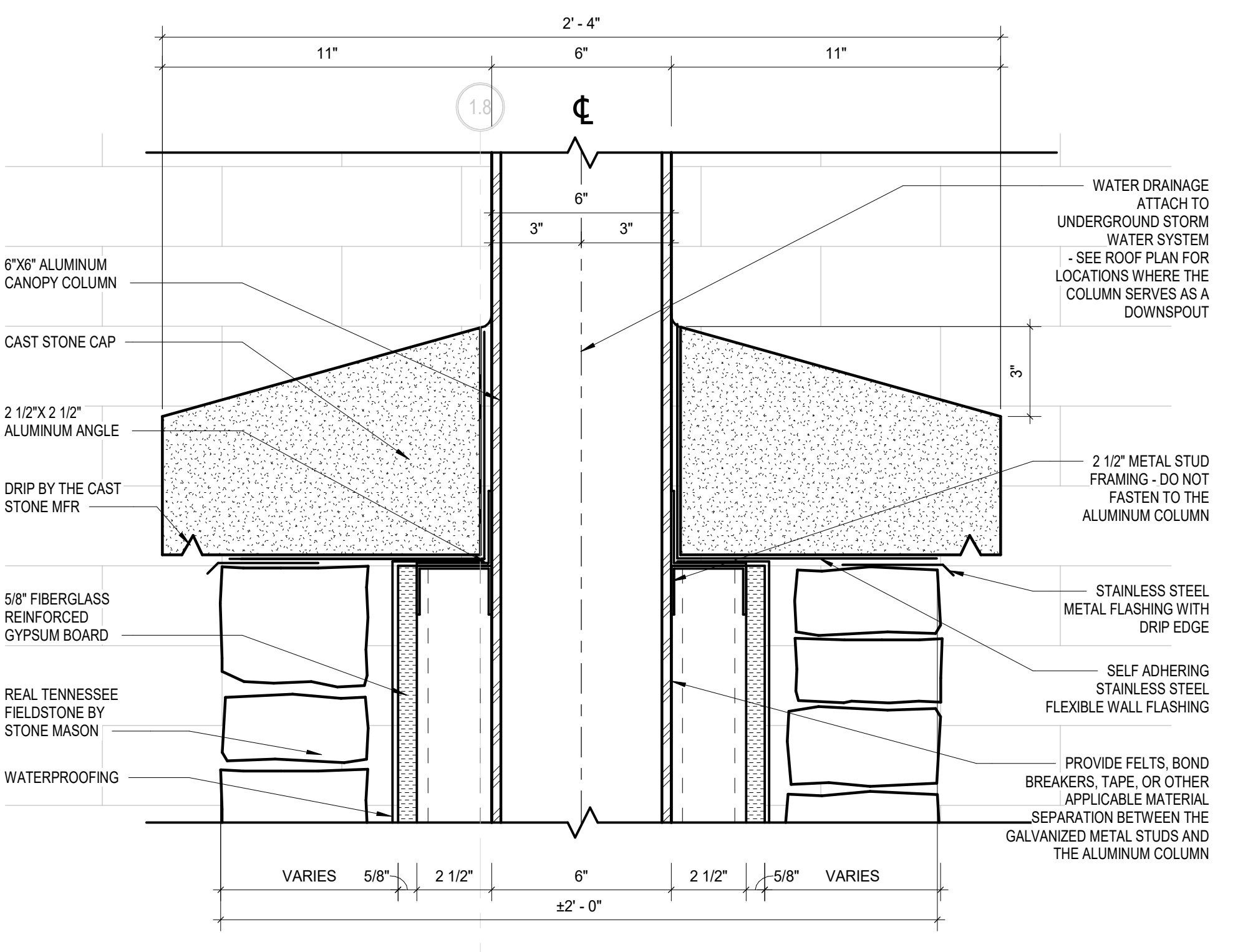
4 PRECAST STONE CAP AT CANOPY  
3" = 1'-0"



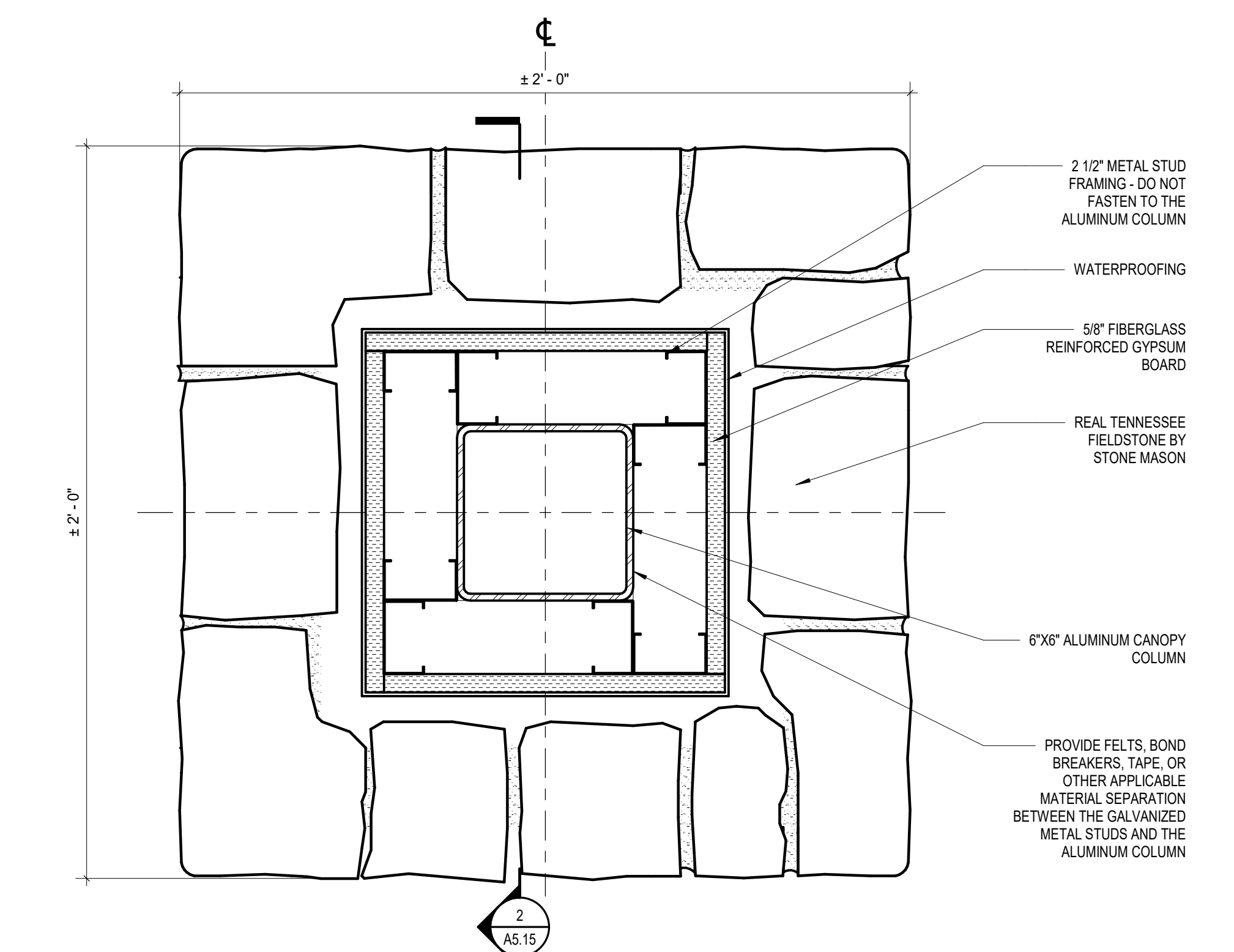
5 CANOPY COLUMN PLAN DETAIL  
3" = 1'-0"



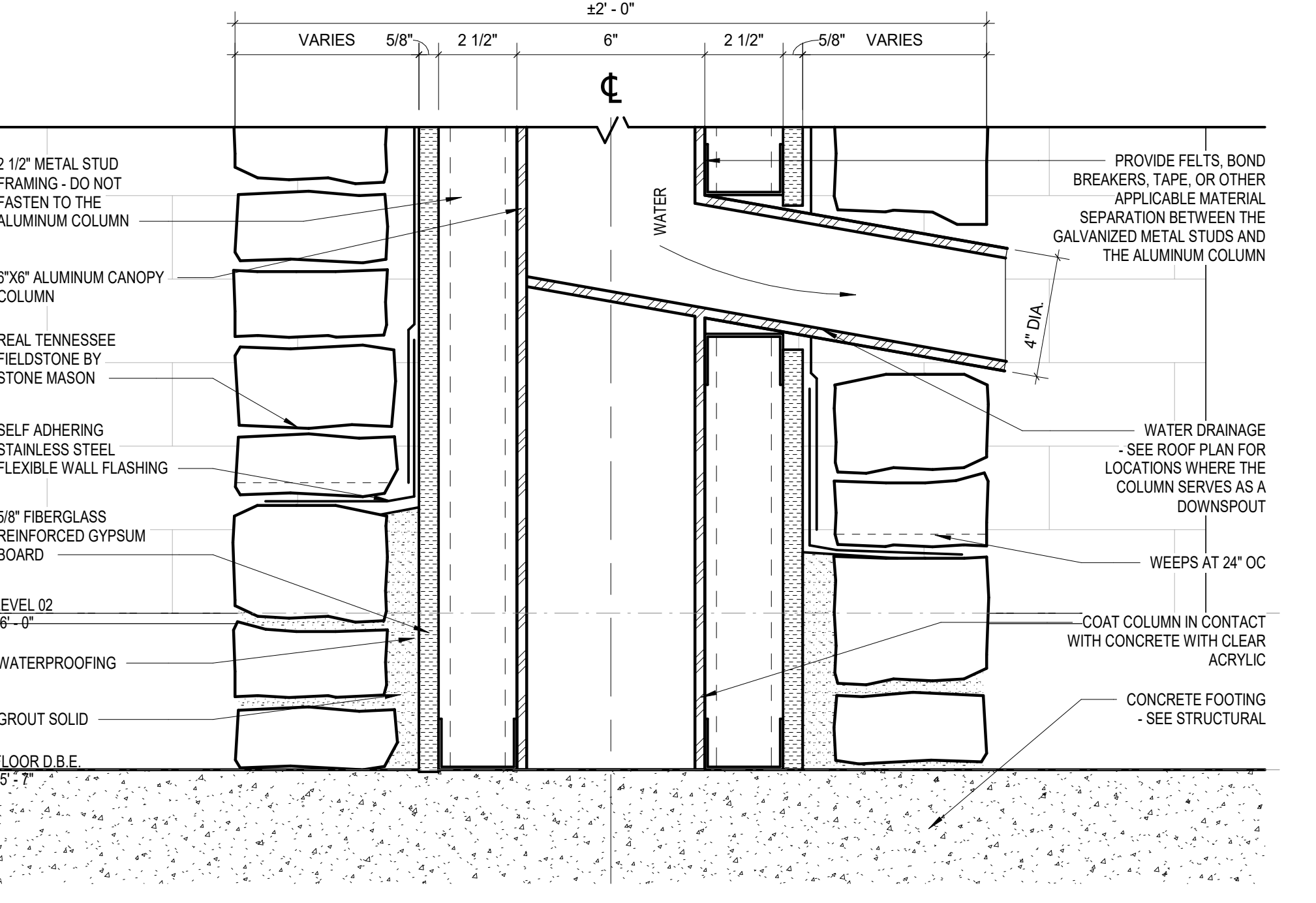
6 LOWER CANOPY FOOTING DETAIL  
3" = 1'-0"



7 PRECAST STONE CAP AT CANOPY  
3" = 1'-0"

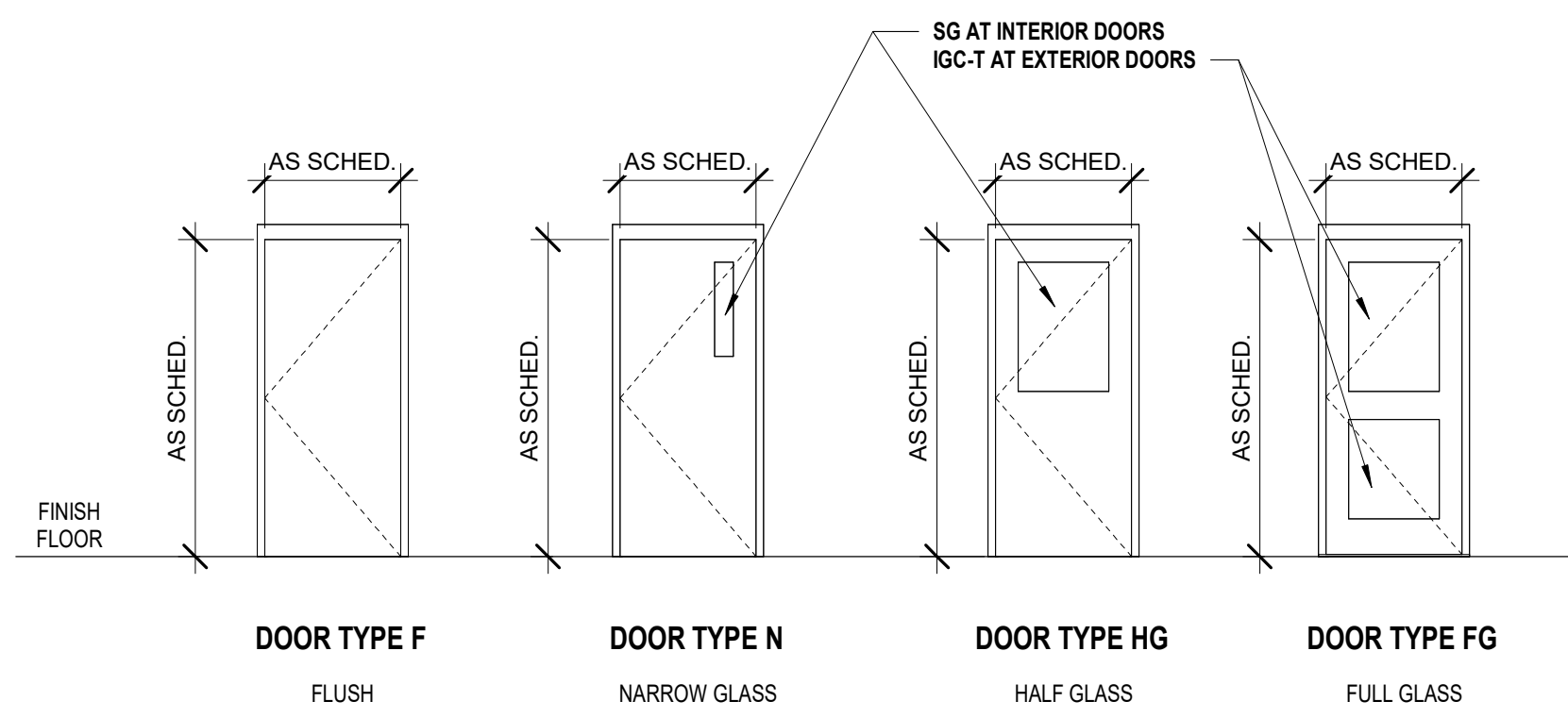


8 ENLARGED PLAN - STONE COLUMN  
3" = 1'-0"

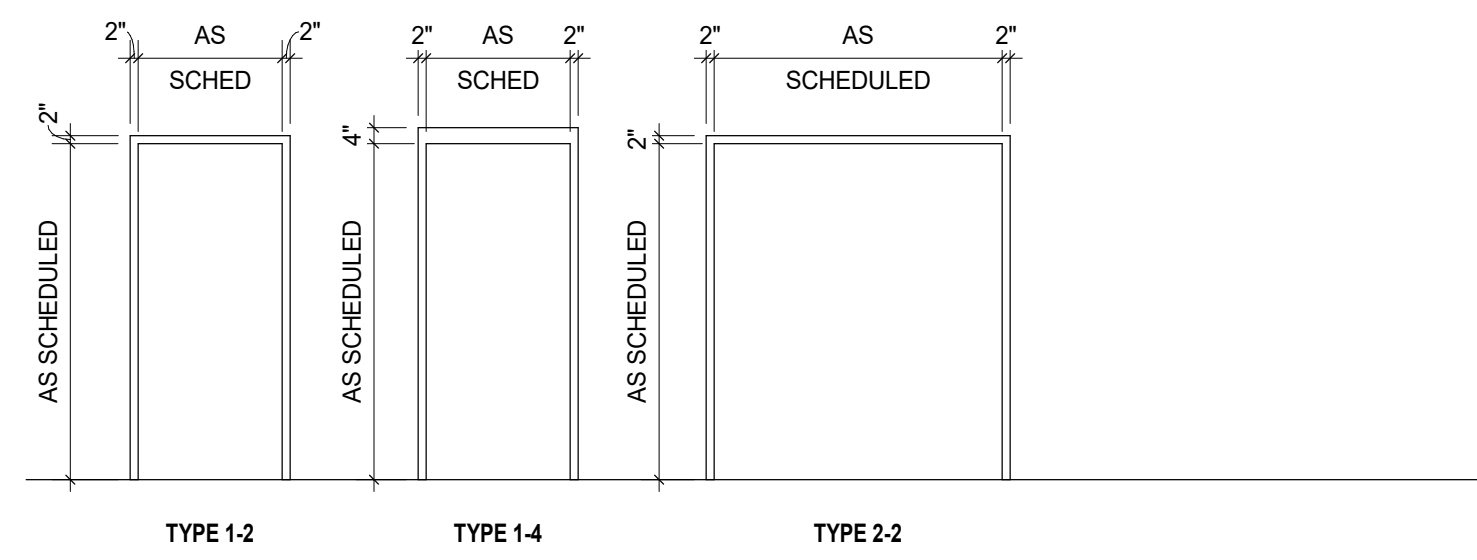


9 UPPER CANOPY FOOTING DETAIL  
3" = 1'-0"

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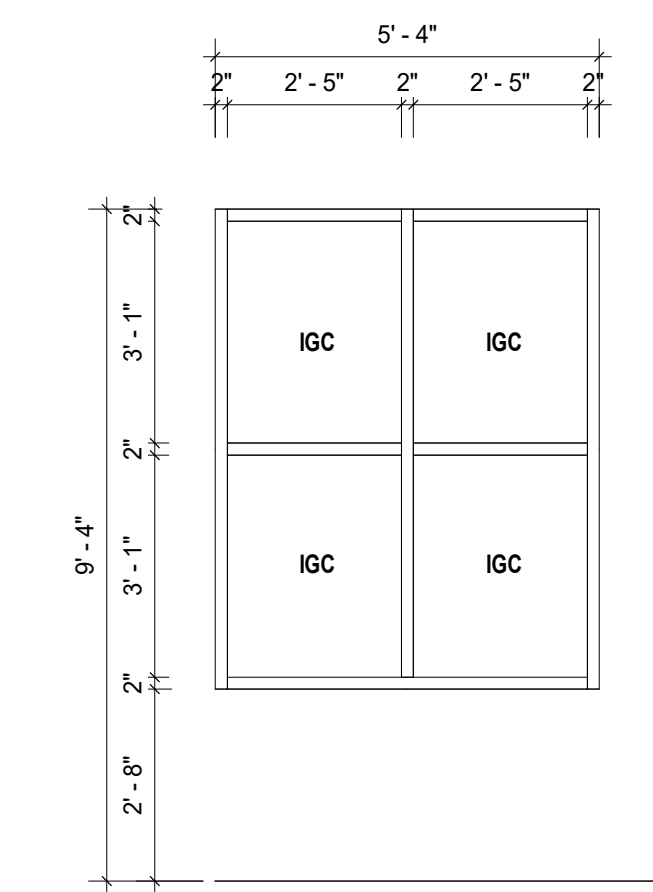
**DOOR TYPE LEGEND**  
1/4" = 1'-0"



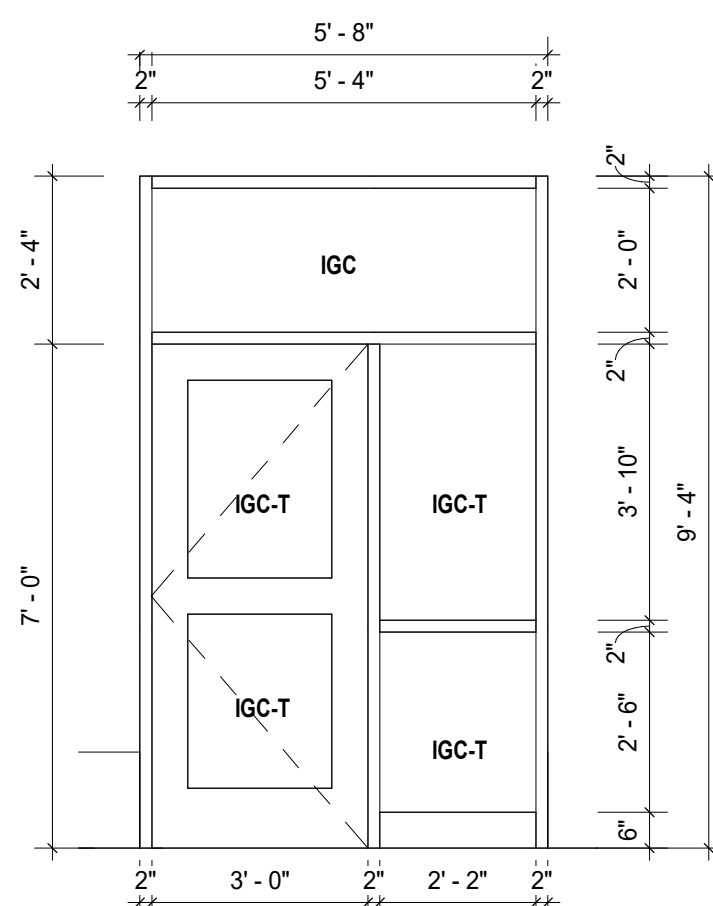
**FRAME TYPE LEGEND**  
1/4" = 1'-0"

FRAME AND DOOR LEGEND	
SF	4 1/2" STOREFRONT (ALUMINUM FRAME)
HM	8 3/4" HOLLOW METAL FRAME AND/OR HOLLOW METAL DOORS
ALUM	ALUMINUM (DOORS)
WD	WOOD (DOORS)
MFR	MANUFACTURE'S FINISH
GLAZING LEGEND	
SG	SAFETY GLASS, 1/4" CLEAR TEMPERED
FG	1/4" CLEAR GLASS
IGC	INSULATED GLASS UNITS (LOW E)
IGC-T	INSULATED GLASS UNITS, TEMPERED (LOW E)
NOTES	
1. VERIFY IN FIELD ALL DIMENSIONS PRIOR TO FABRICATION OF STOREFRONT AND HM FRAMES.	

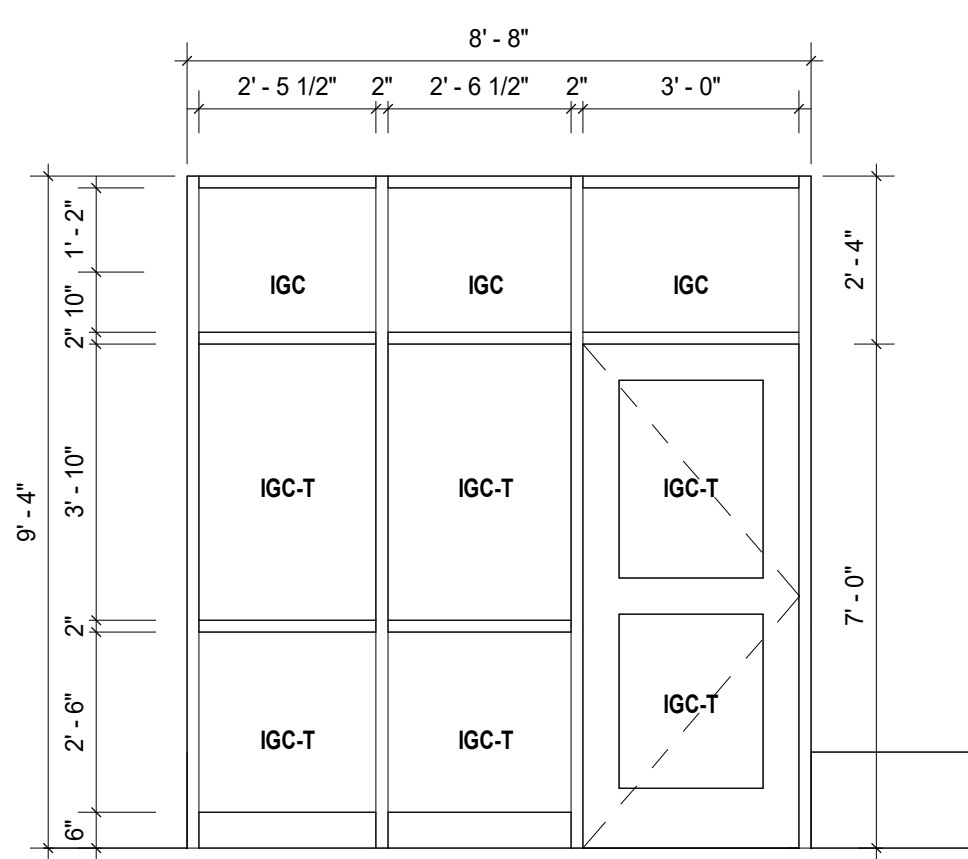
MARK	DOOR				FRAME				FINISH		FIRE RATING	REMARKS	
	WIDTH	HT	THK	PANEL	TYPE	MAT	HEAD	JAMP	SILL	DOOR			FRAME
LEVEL 01													
101A	3'-0"	7'-0"	1 3/4"	ALUM	FG	SF2	ALUM			MFR	MFR		INSULATED, GLASS
101B	3'-0"	7'-0"	1 3/4"	ALUM	FG	SF2	ALUM			MFR	MFR		
102	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
103	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
104	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
105	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
106A	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
106B	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
107	3'-0"	7'-0"	1 3/4"	WD	HG	HM1	HM			STAIN	PAINT		INSULATED, GLASS
108A	3'-0"	7'-0"	1 3/4"	WD	HG	HM1	HM			STAIN	PAINT		INSULATED, GLASS
108B	3'-0"	7'-0"	1 3/4"	ALUM	FG	SF3	ALUM			MFR	MFR		
110	4'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT	45	
111	3'-0"	7'-0"	1 3/4"	HM	F	1-4	HM			PAINT	PAINT		
112	3'-0"	7'-0"	1 3/4"	WD	HG	1-2	HM			STAIN	PAINT		
113	3'-0"	7'-0"	1 3/4"	WD	HG	1-2	HM			STAIN	PAINT		
114	3'-0"	7'-0"	1 3/4"	ALUM	HG	SF6	ALUM			MFR	MFR		
LEVEL 02													
201A	6'-0"	7'-0"	1 3/4"	ALUM	FG	SF4	ALUM			MFR	MFR		INSULATED, GLASS
201B	6'-0"	7'-1"	1 3/4"	WD	N	2-2	HM			PAINT	PAINT	90	
202A	3'-0"	7'-0"	1 3/4"	WD	HG	1-2	HM			STAIN	PAINT		
202B	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT	90	
202C	3'-0"	7'-0"	1 3/4"	ALUM	FG	SF5	ALUM			MFR	MFR		INSULATED, GLASS
202D	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT	90	
203	3'-0"	7'-0"	1 3/4"	WD	HG	1-2	HM			STAIN	PAINT		
204	3'-0"	7'-0"	1 3/4"	WD	HG	1-2	HM			STAIN	PAINT		
205	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
206	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
207	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
208	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT		
209	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT	90	
210	3'-0"	7'-0"	1 3/4"	WD	F	1-2	HM			STAIN	PAINT	90	
225A	3'-0"	7'-0"	1 3/4"	WD	N	1-2	HM			STAIN	PAINT	90	
226B	3'-0"	7'-0"	1 3/4"	ALUM	FG	SF5	ALUM			MFR	MFR		INSULATED, GLASS



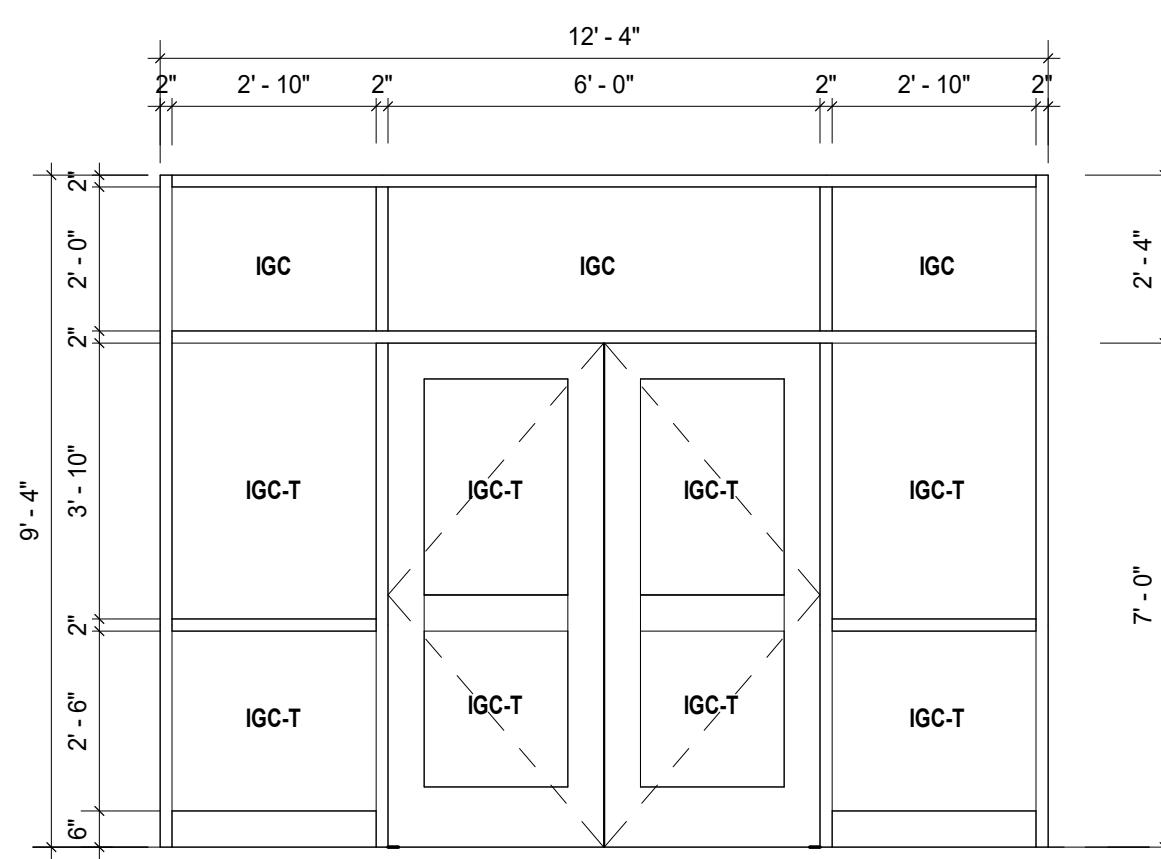
SF1



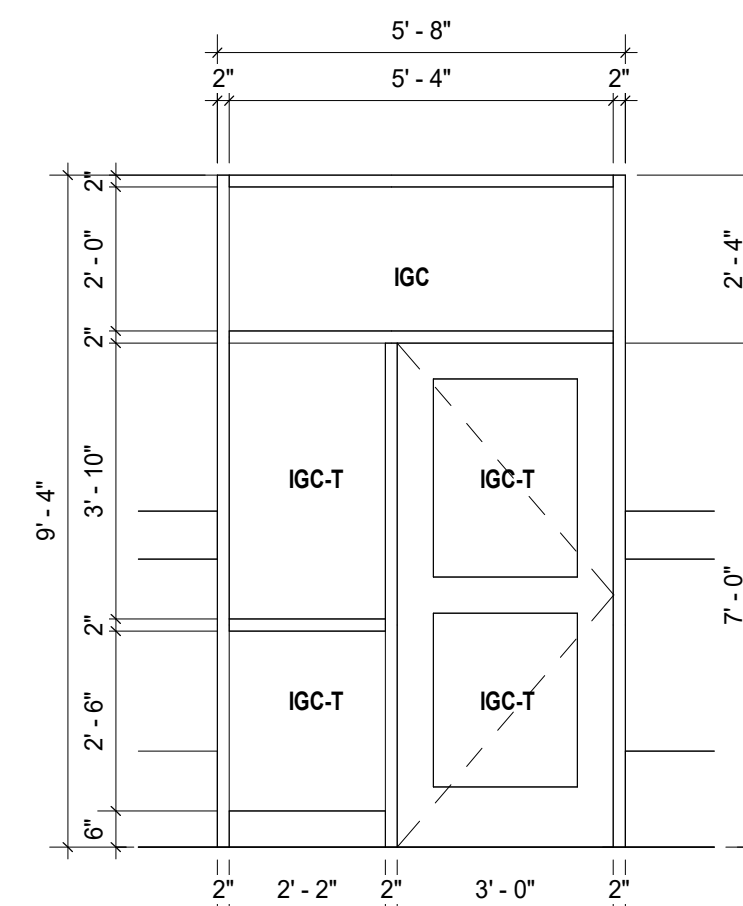
SF2



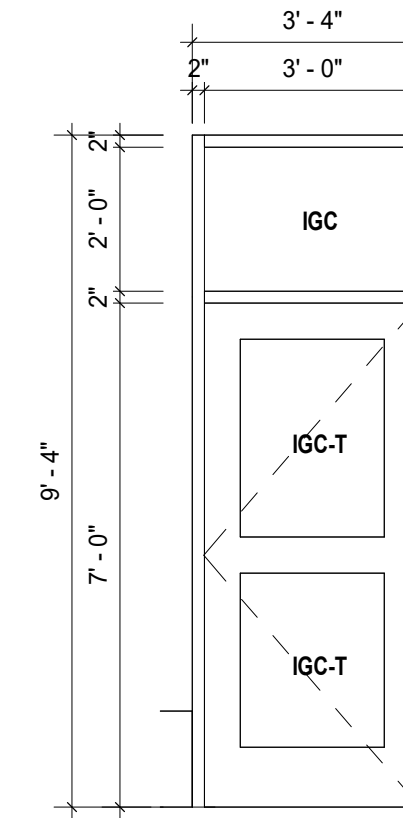
SF3



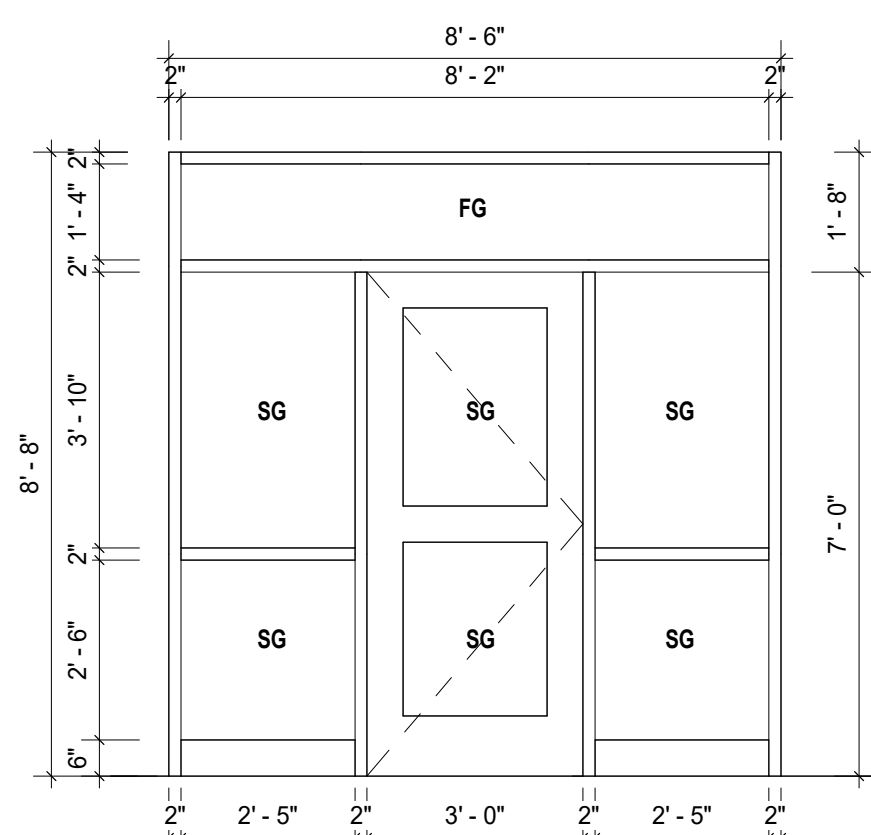
SF4



SF5



SF6



HM1

PROVIDE WINDOW BLINDS AT ALL APPLICABLE WINDOWS



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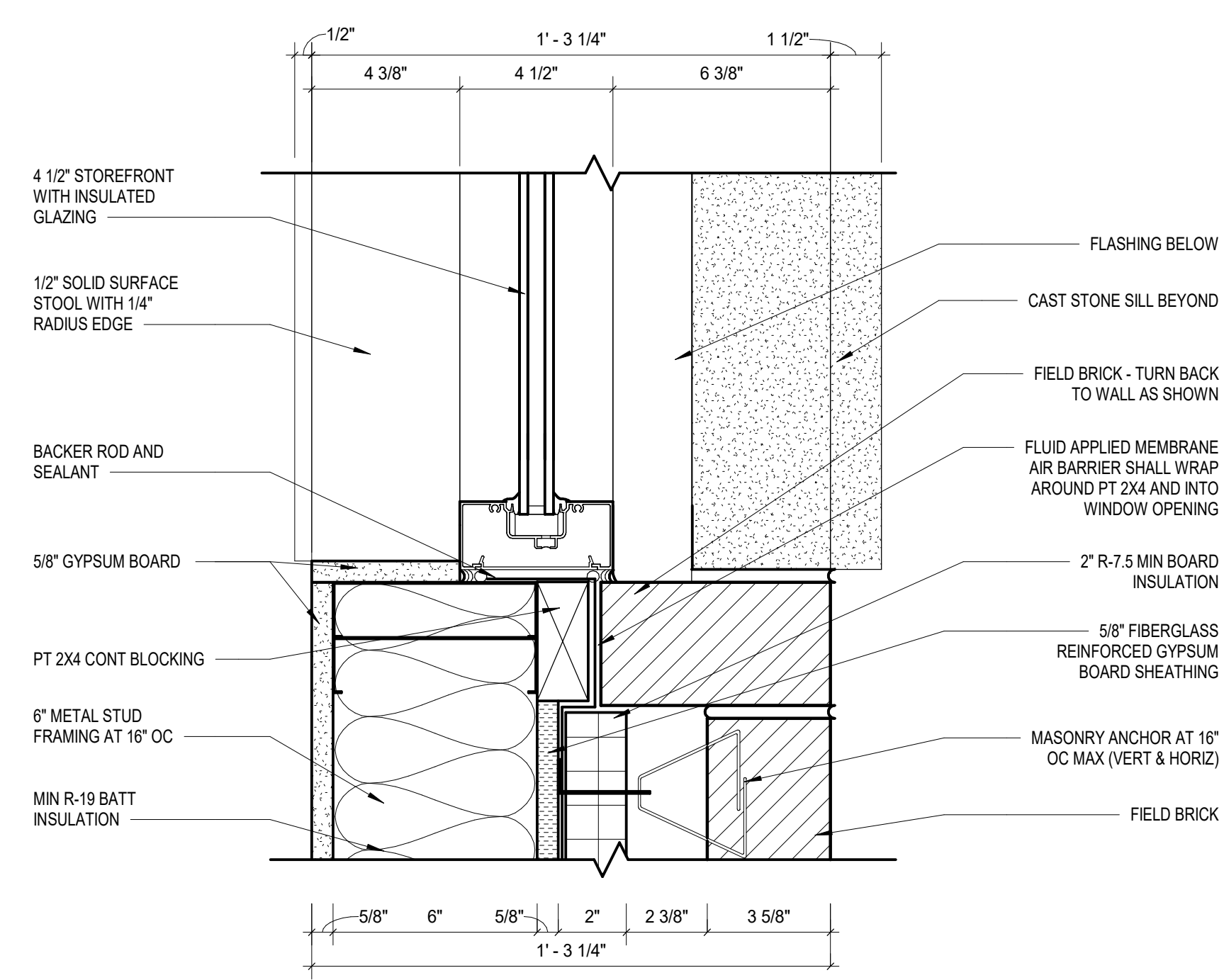
NO.	DATE	DESCRIPTION

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CC	YL	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

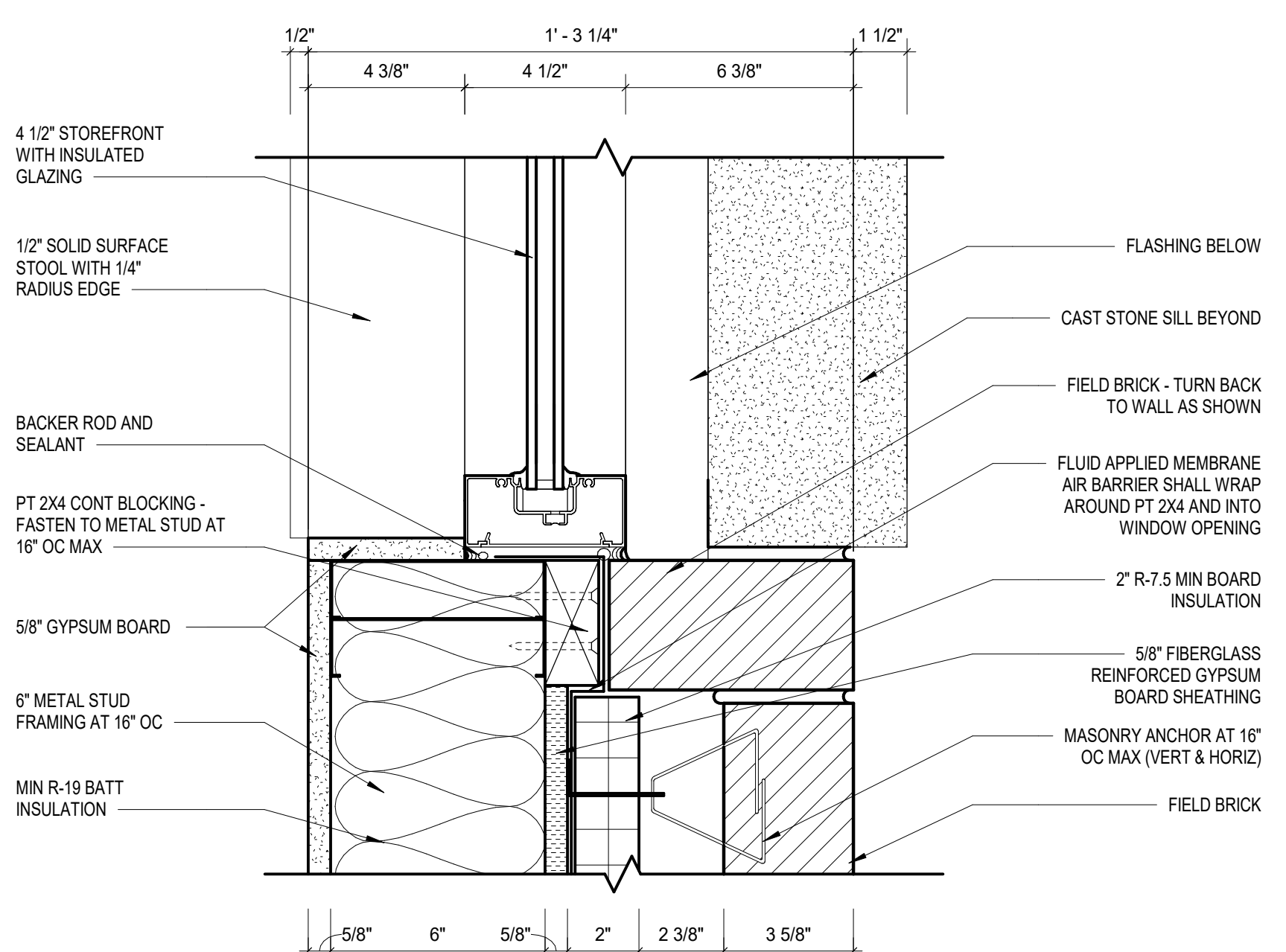
NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
DOOR SCHEDULE

DRAWING NUMBER

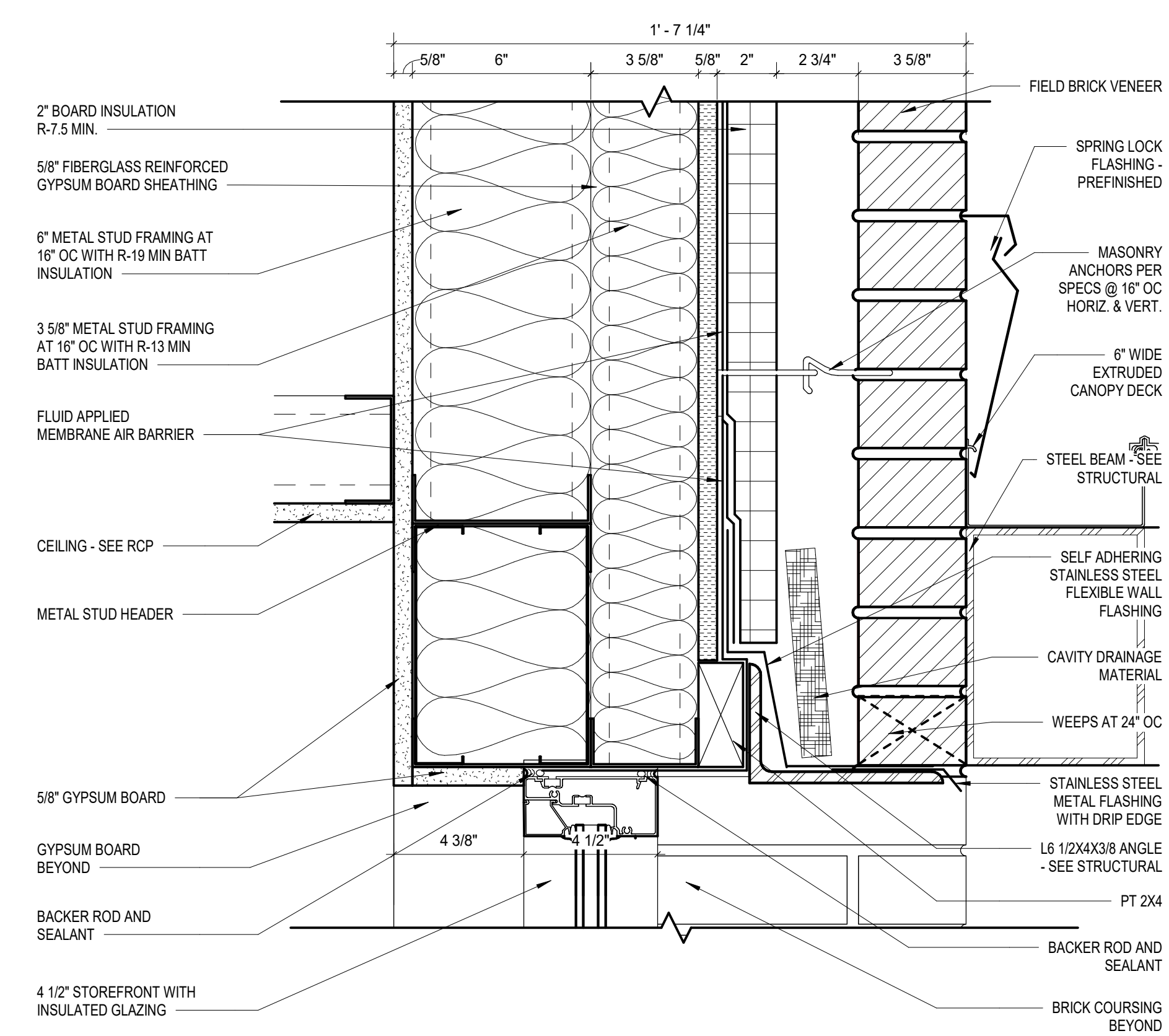
A6.11



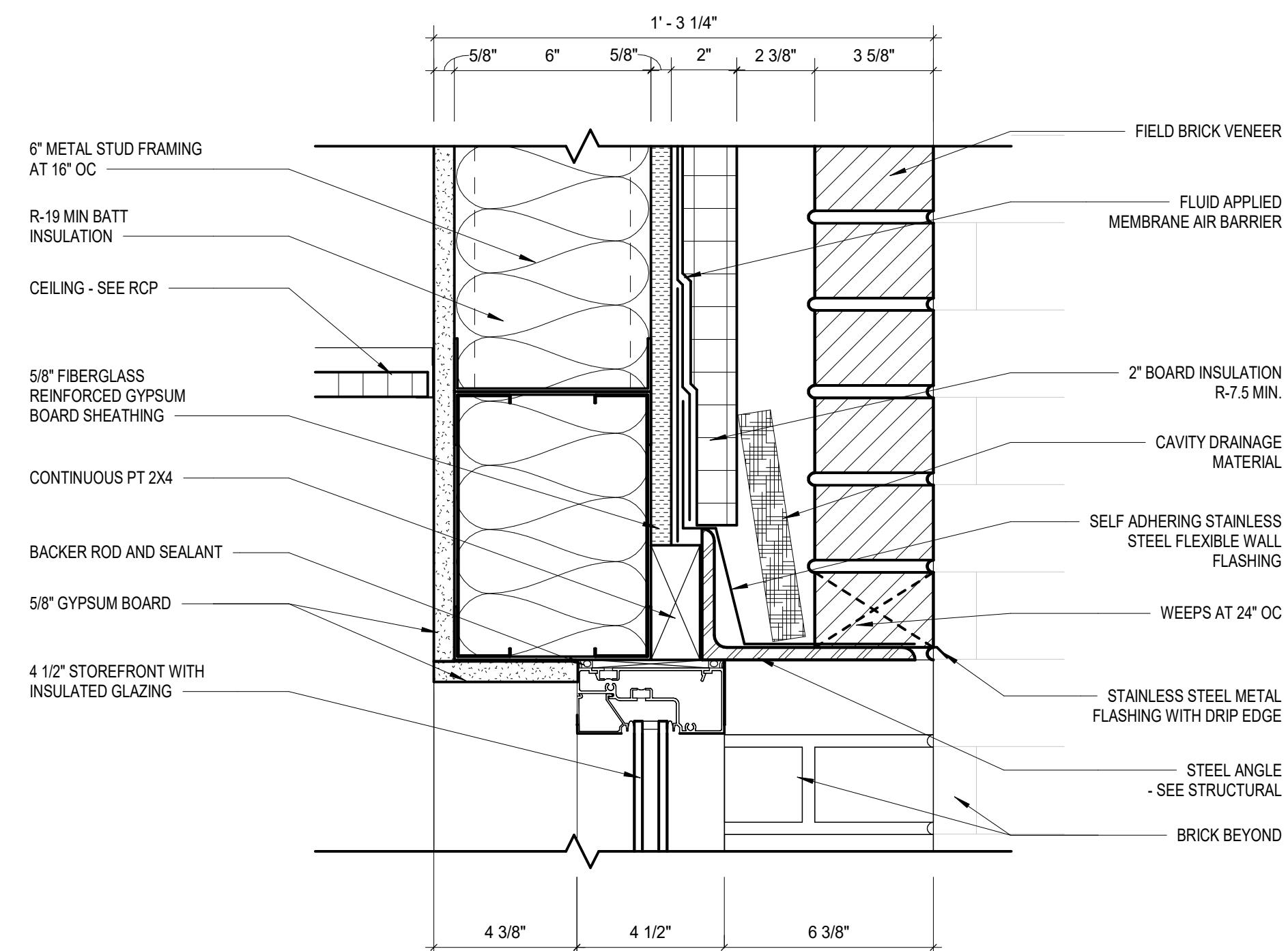
6 WINDOW JAMB AT BRICK WALL - 2 3/8" AIR GAP  
3" = 1'-0"



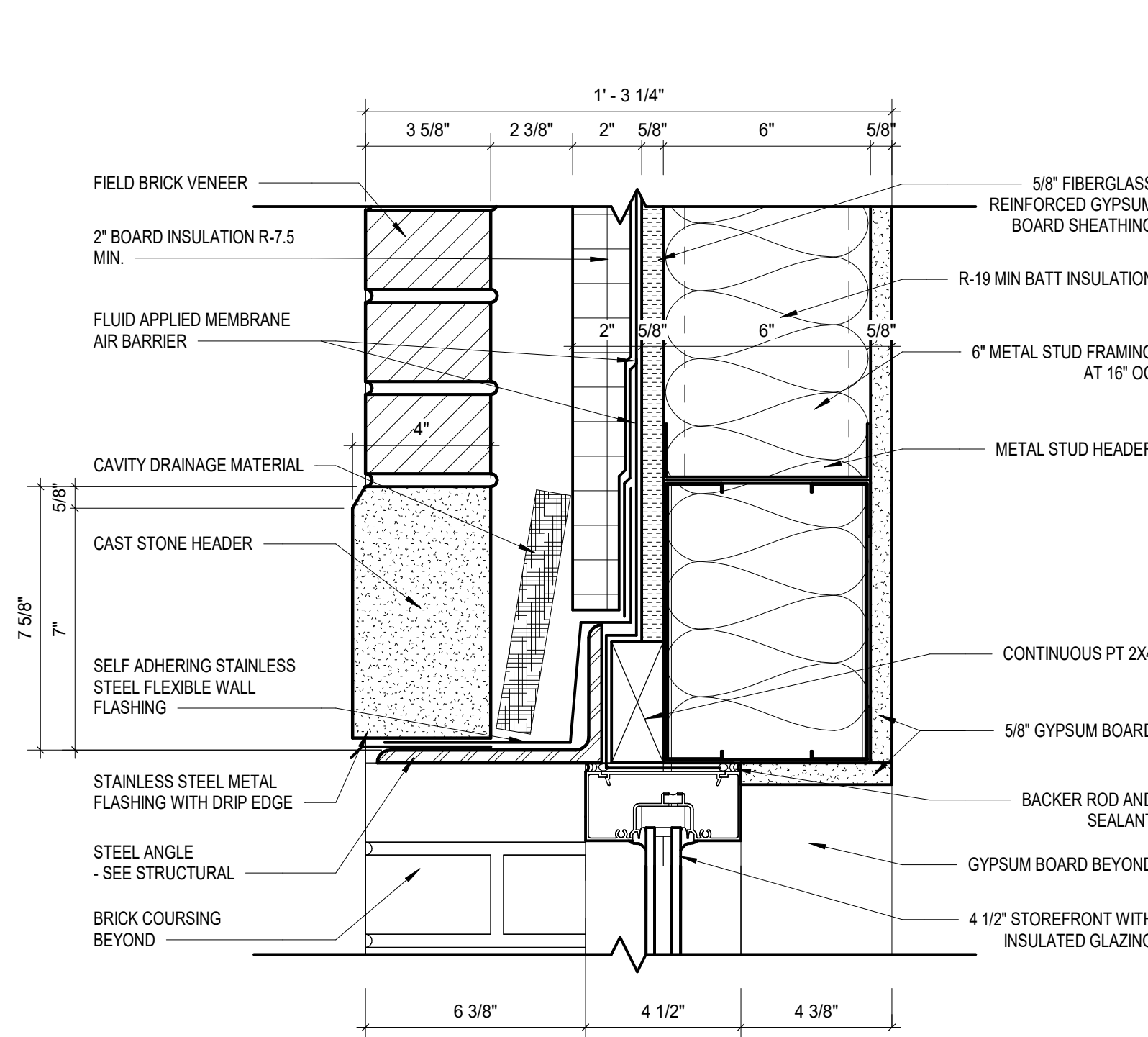
7 WINDOW JAMB AT BRICK WALL - 2 3/8" AIR GAP  
3" = 1'-0"



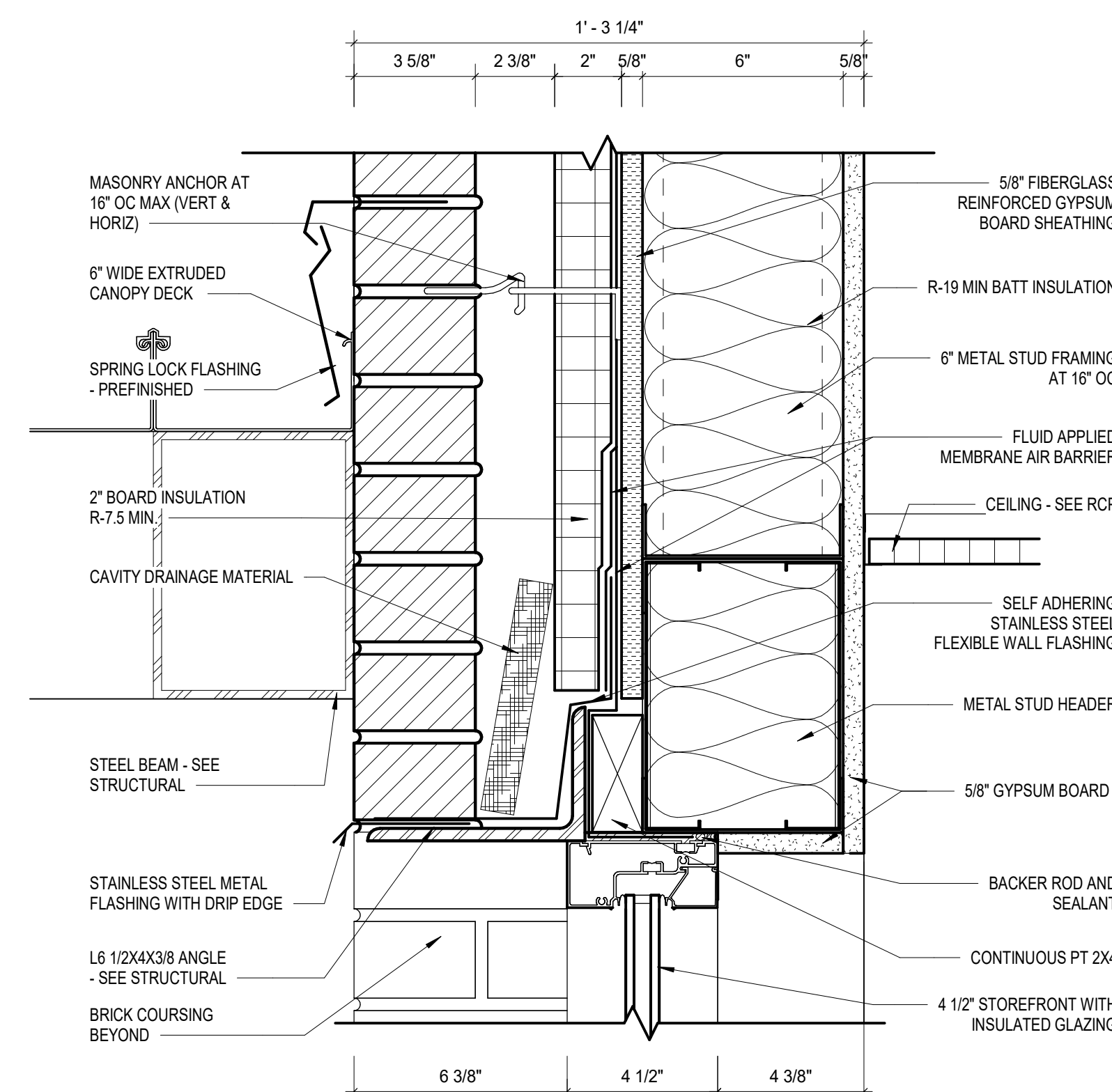
4 BRICK HEADER DETAIL AT WINDOW  
3" = 1'-0"



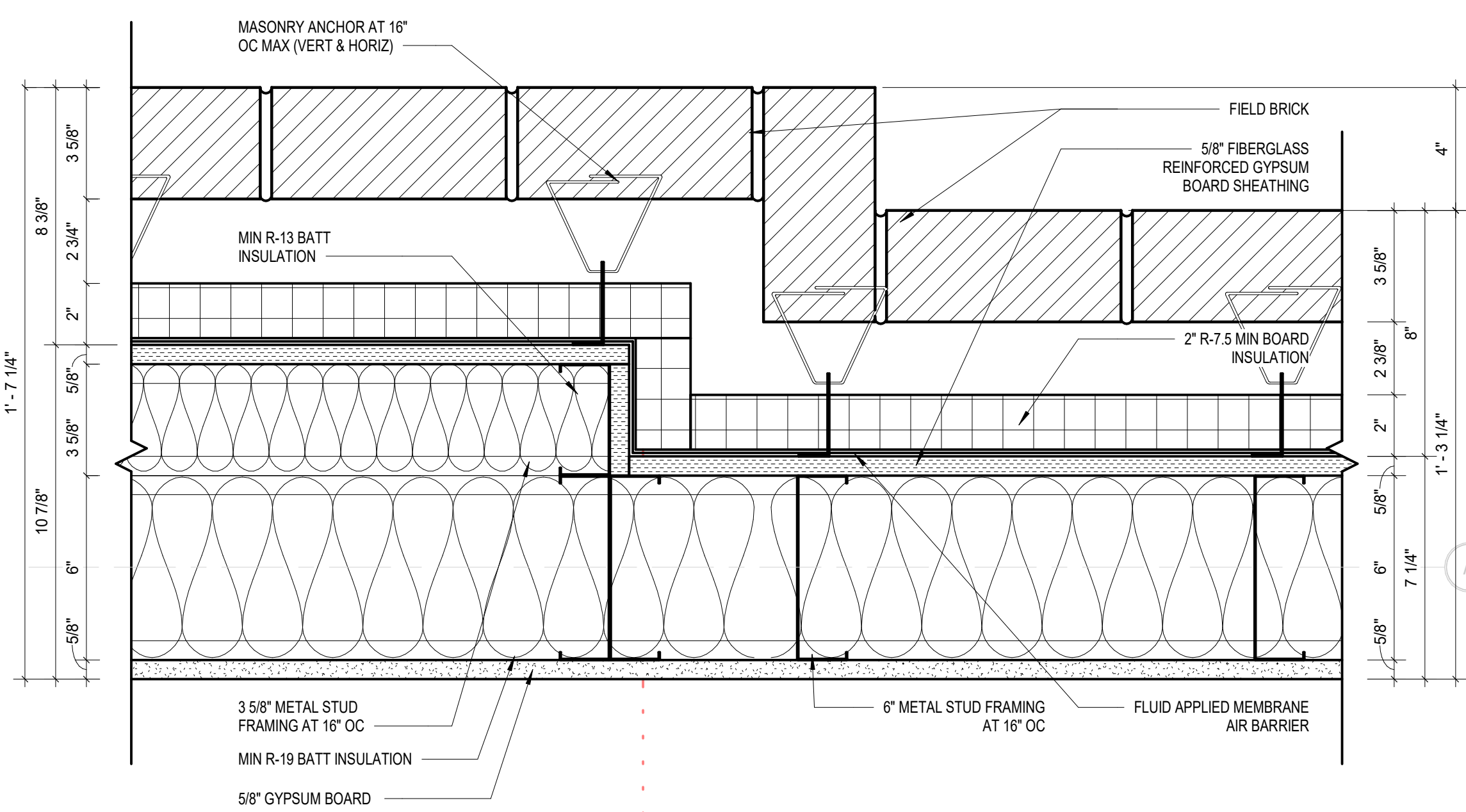
5 WINDOW HEAD DETAIL AT BRICK & METAL STUD  
3" = 1'-0"



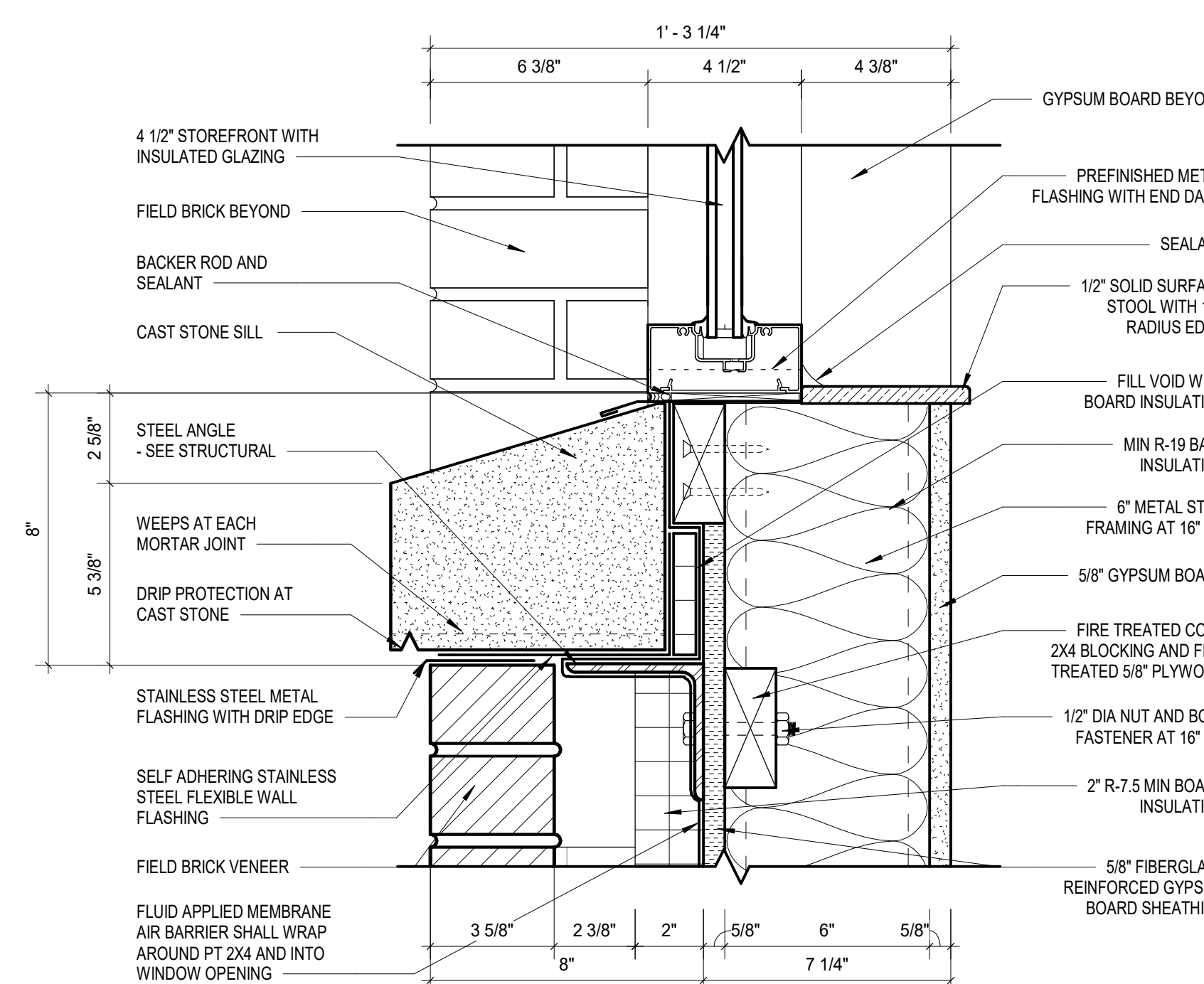
1 CAST STONE HEADER DETAIL AT WINDOW  
3" = 1'-0"



2 CAST STONE HEADER DETAIL AT CANOPY  
3" = 1'-0"



8 BRICK PLAN DETAIL AT MAIN ENTRANCE  
3" = 1'-0"



3 CAST STONE SILL AT WINDOW - 2 3/8" AIR GAP  
3" = 1'-0"



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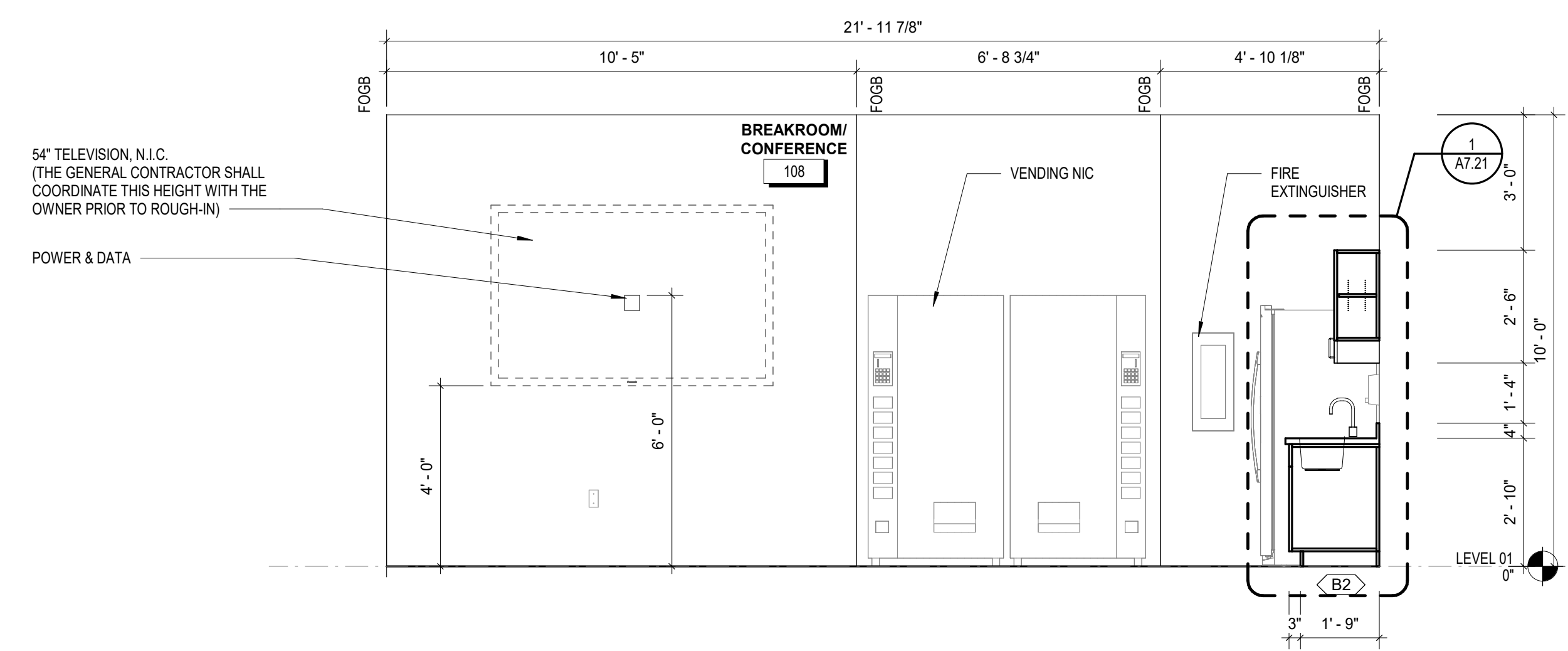
DESIGNED	DRAWN	CHECKED
CC	BK	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
DOOR AND WINDOW DETAILS

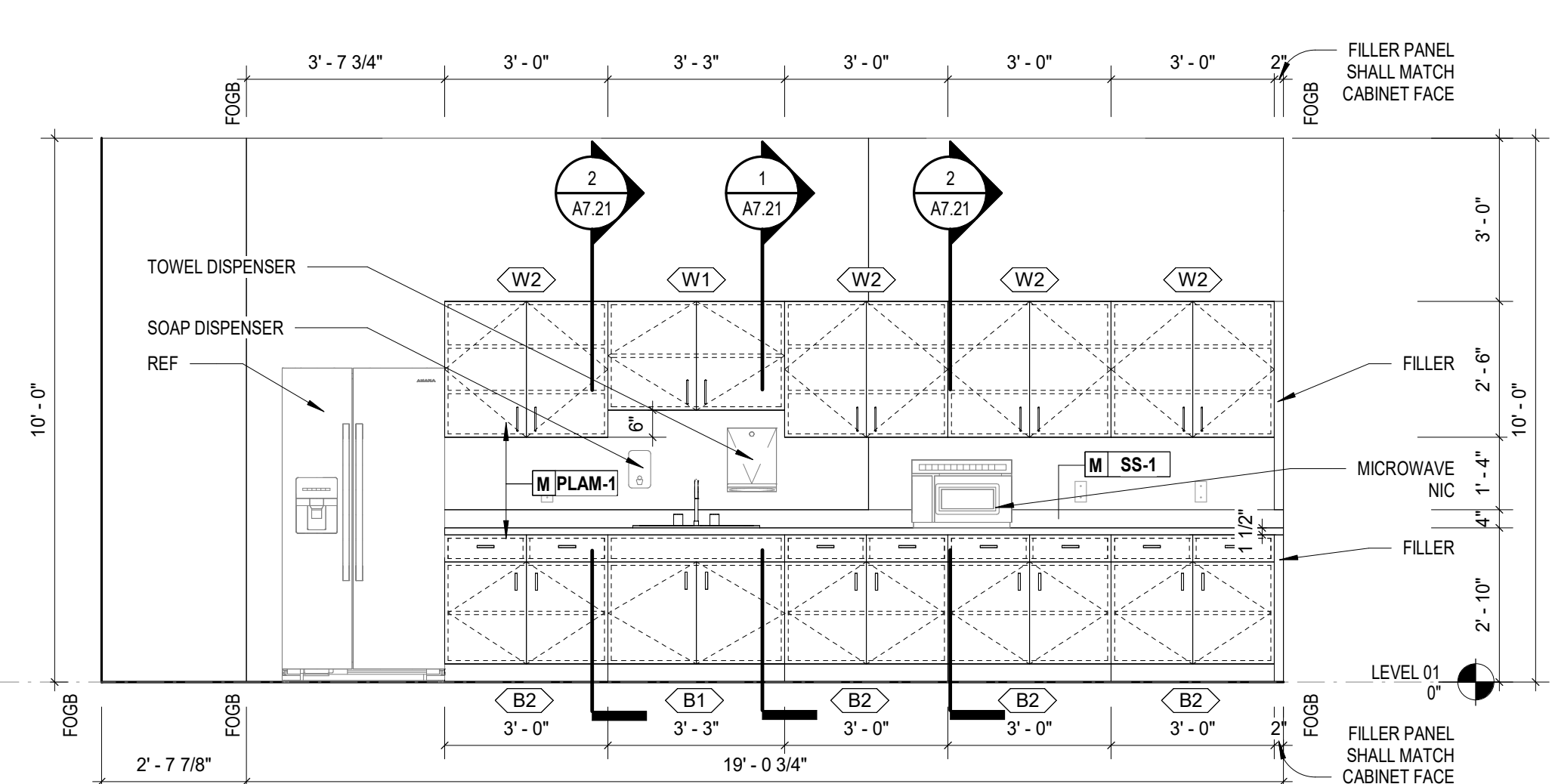
DRAWING NUMBER

A6.21





2 BREAKROOM/ CONFERENCE 108 -2  
3/8" = 1'-0"



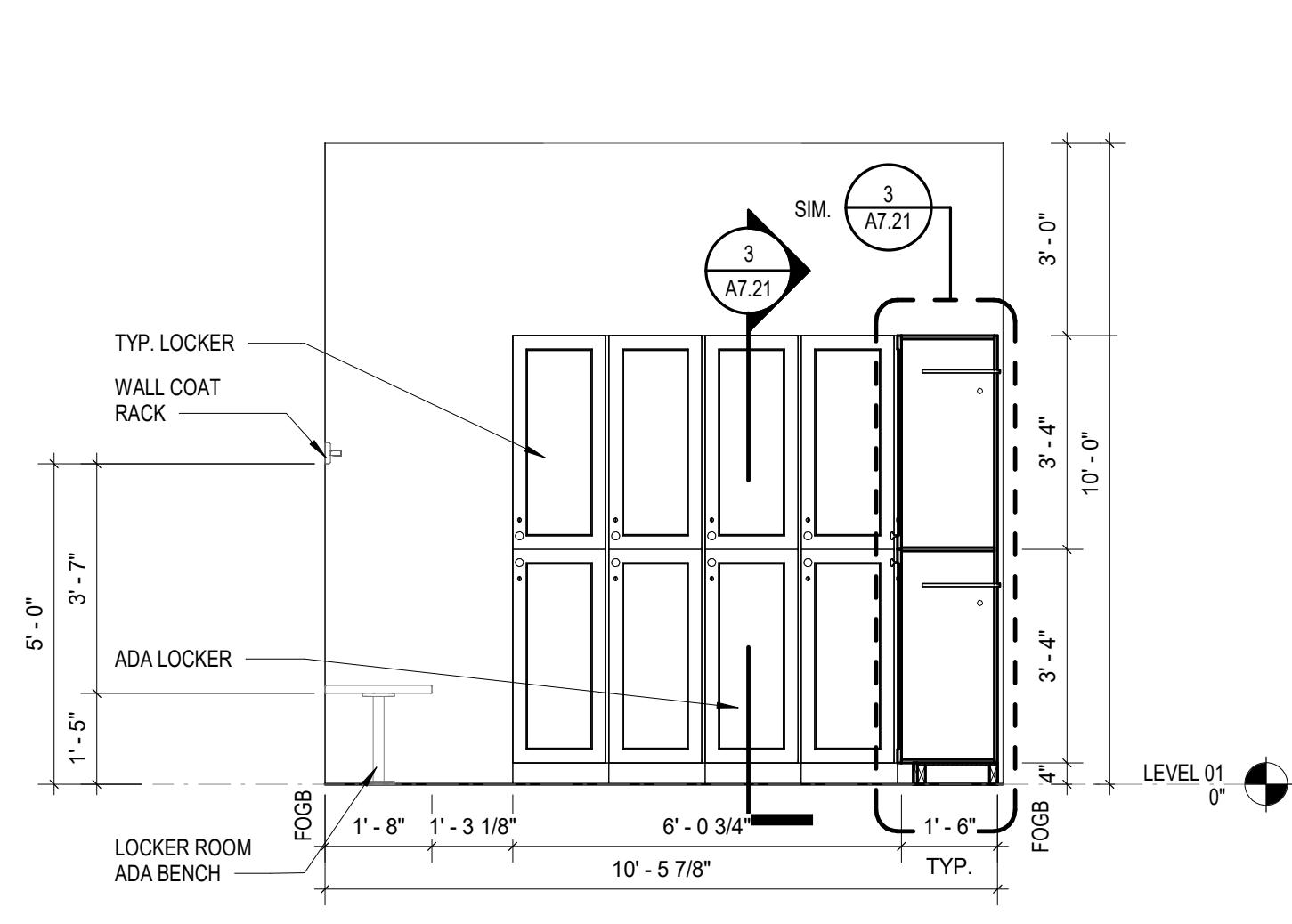
1 BREAKROOM/ CONFERENCE 108 -1  
3/8" = 1'-0"

CASEWORK LEGEND	
TAG	DESCRIPTION
B1	36"W x 34"T x 24"D - ADA BASE CABINET SINK CABINET W/ DOUBLE DOOR. SEE PLAN VIEW FOR CLEAR SPACE AND FRONT APPROACH ACCESSIBLE SINK.
B2	36"W x 34"T x 24"D - DOUBLE DOOR, BASE CABINET W/ (2) TWO 6" TALL DRAWERS AND (1) ADJUSTABLE SHELF.
W1	36"W x 24"T x 12"D - WALL CABINET W/ (2) TWO DOORS AND (1) ONE ADJUSTABLE SHELF.
W2	36"W x 30"T x 12"D - WALL CABINET W/ (2) TWO DOOR AND (2) TWO ADJUSTABLE SHELVES.

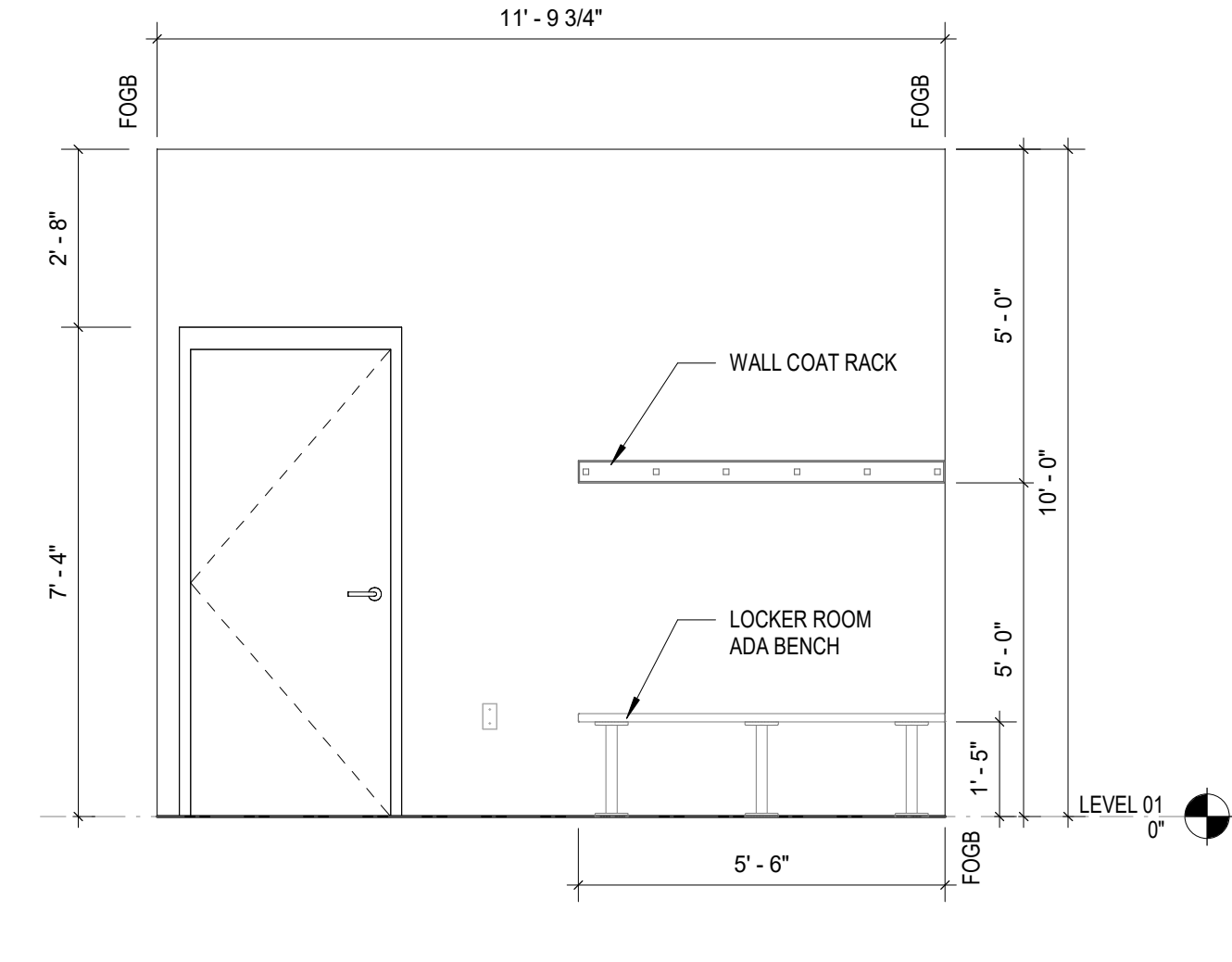
**GENERAL NOTES:**  
ALL CASEWORK W/ EXPOSED ENDS SHALL BE FINISHED TO MATCH

**CASEWORK NOTES**

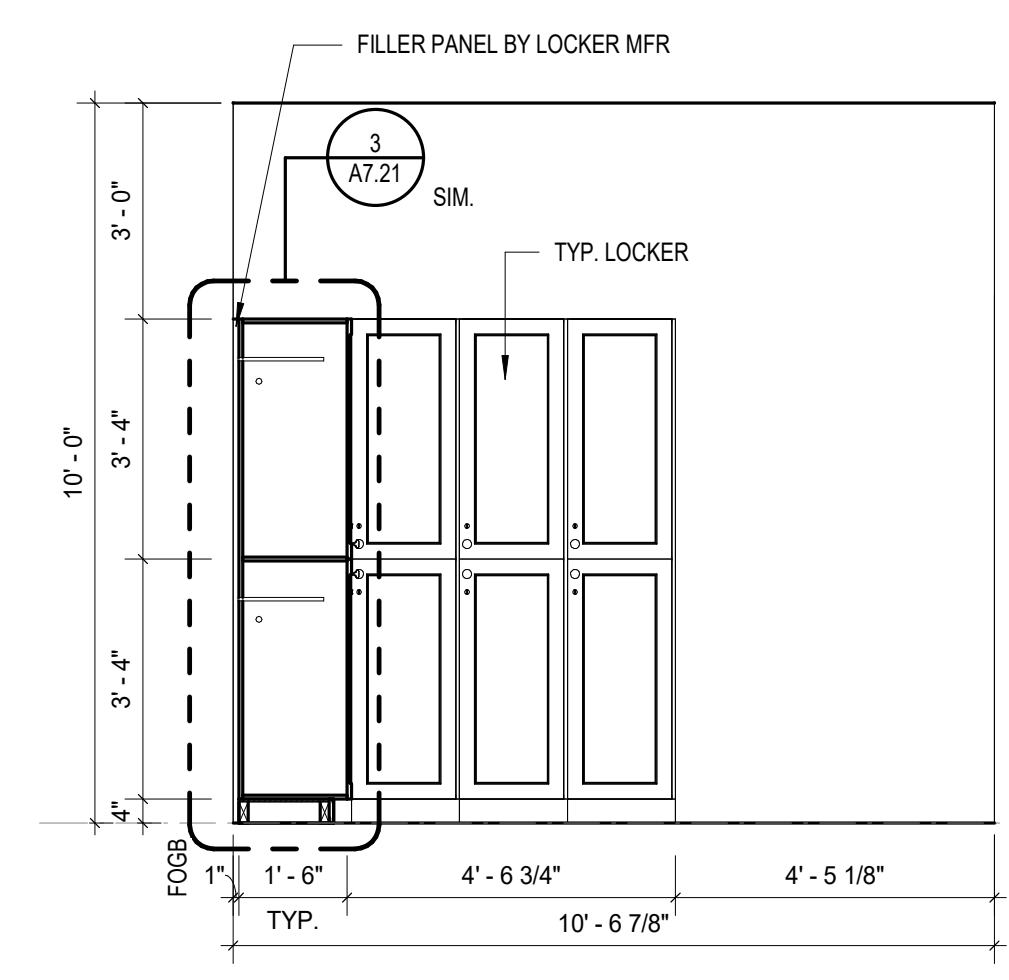
- ALL DIMENSIONS ARE TO FACE OF METAL STUD OR FACE OF COUNTER TOP OR FACE OF CABINET, UNLESS OTHERWISE NOTED. FIELD VERIFY ALL DIMENSIONS PRIOR TO MANUFACTURING OF CABINETS
- IF CONFLICTING INFORMATION OR INSTRUCTIONS ARE FOUND IN THE CONTRACT DOCUMENTS, THE GENERAL CONTRACTOR SHALL REQUEST CLARIFICATION FROM THE ARCHITECT IN WRITING. IN THE ABSENCE OF A REQUEST FOR CLARIFICATION, THE GENERAL CONTRACTOR SHALL ASSUME THE MORE EXPENSIVE OPTION AS PART OF THE BASE BID.
- FOGB = FACE OF GYPSUM BOARD



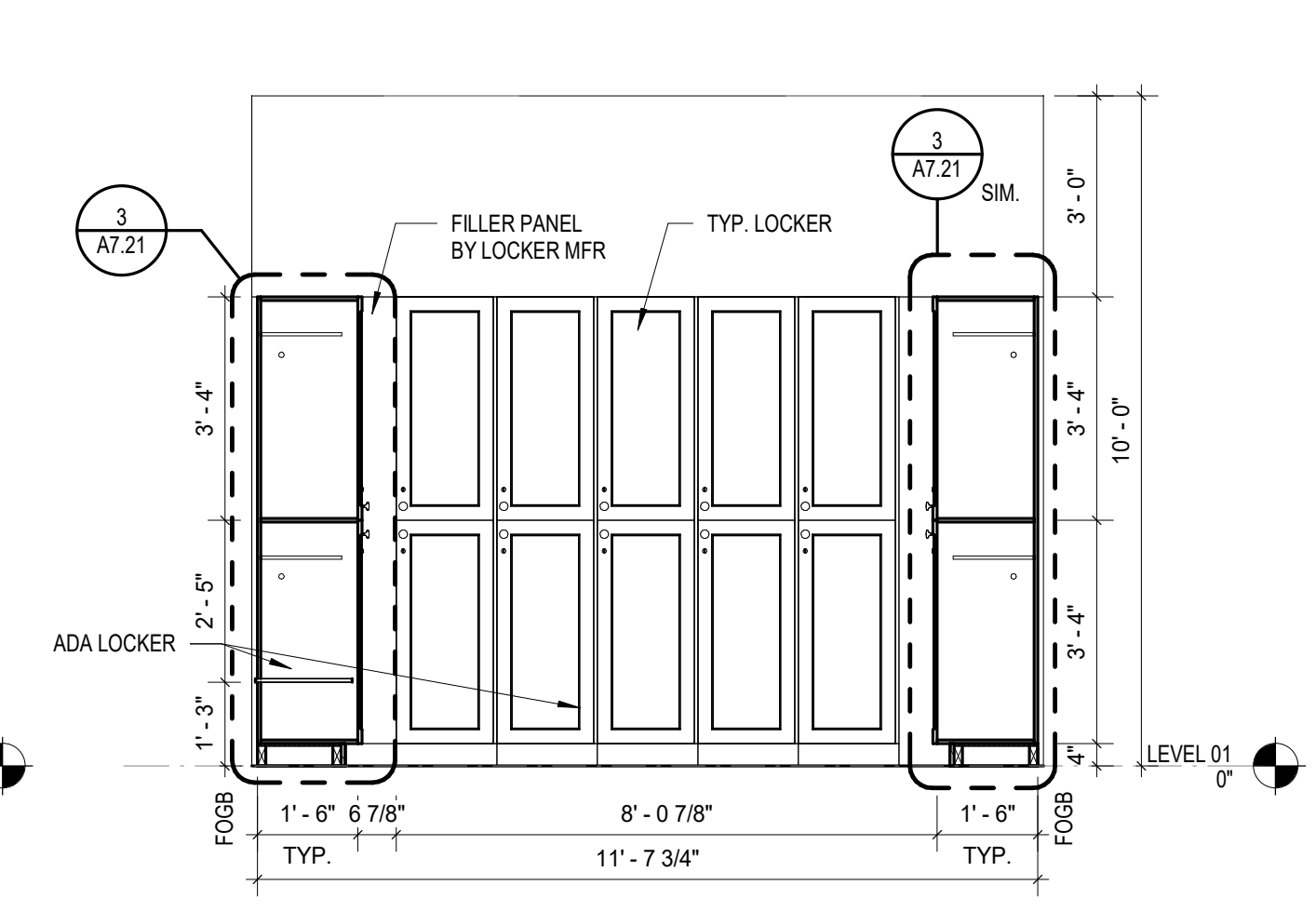
6 LOCKER ROOM 104 -4  
3/8" = 1'-0"



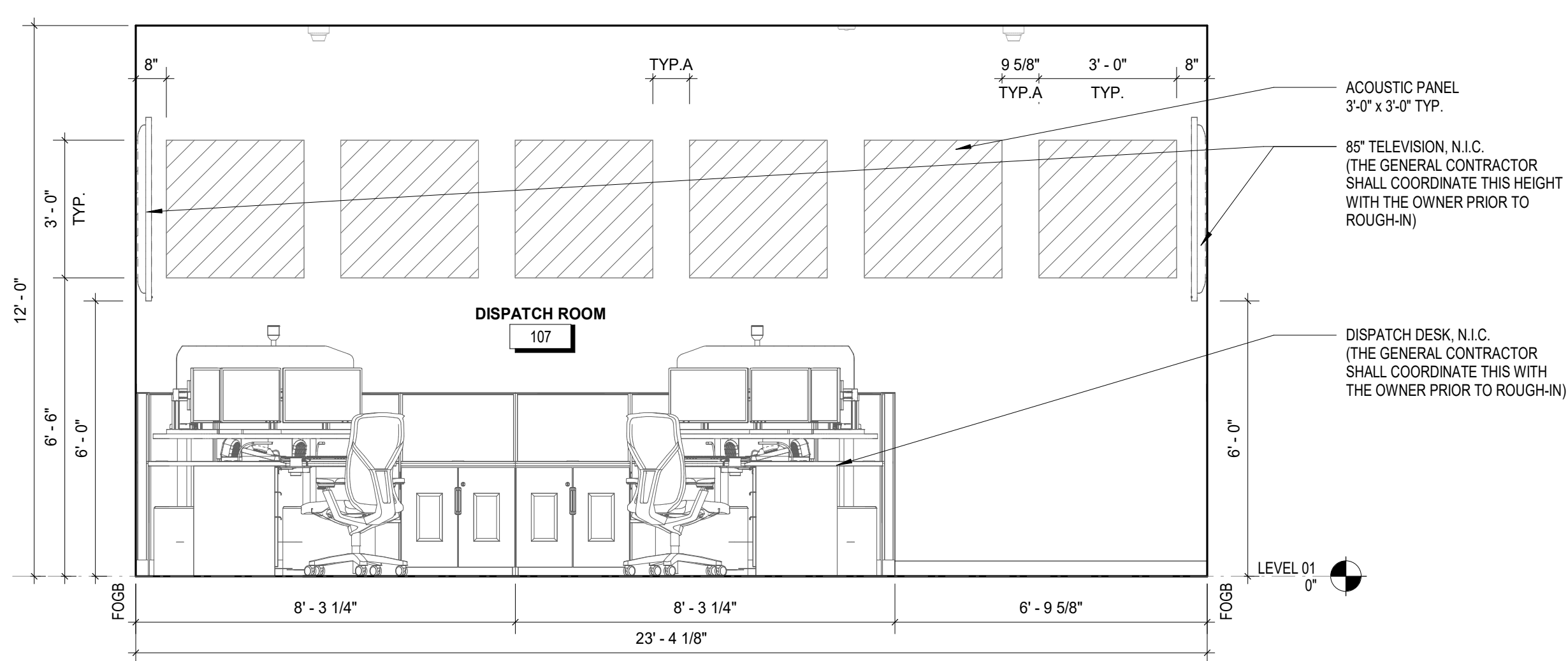
5 LOCKER ROOM 104 -3  
3/8" = 1'-0"



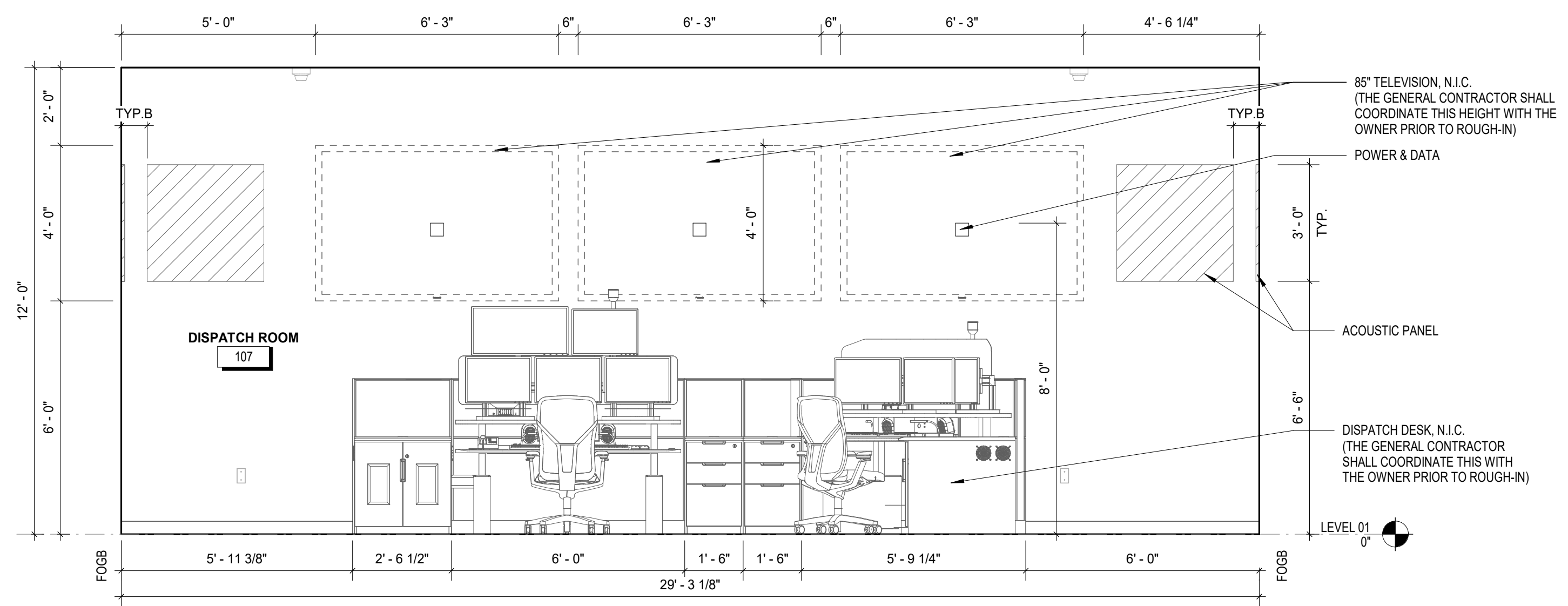
4 LOCKER ROOM 104 -2  
3/8" = 1'-0"



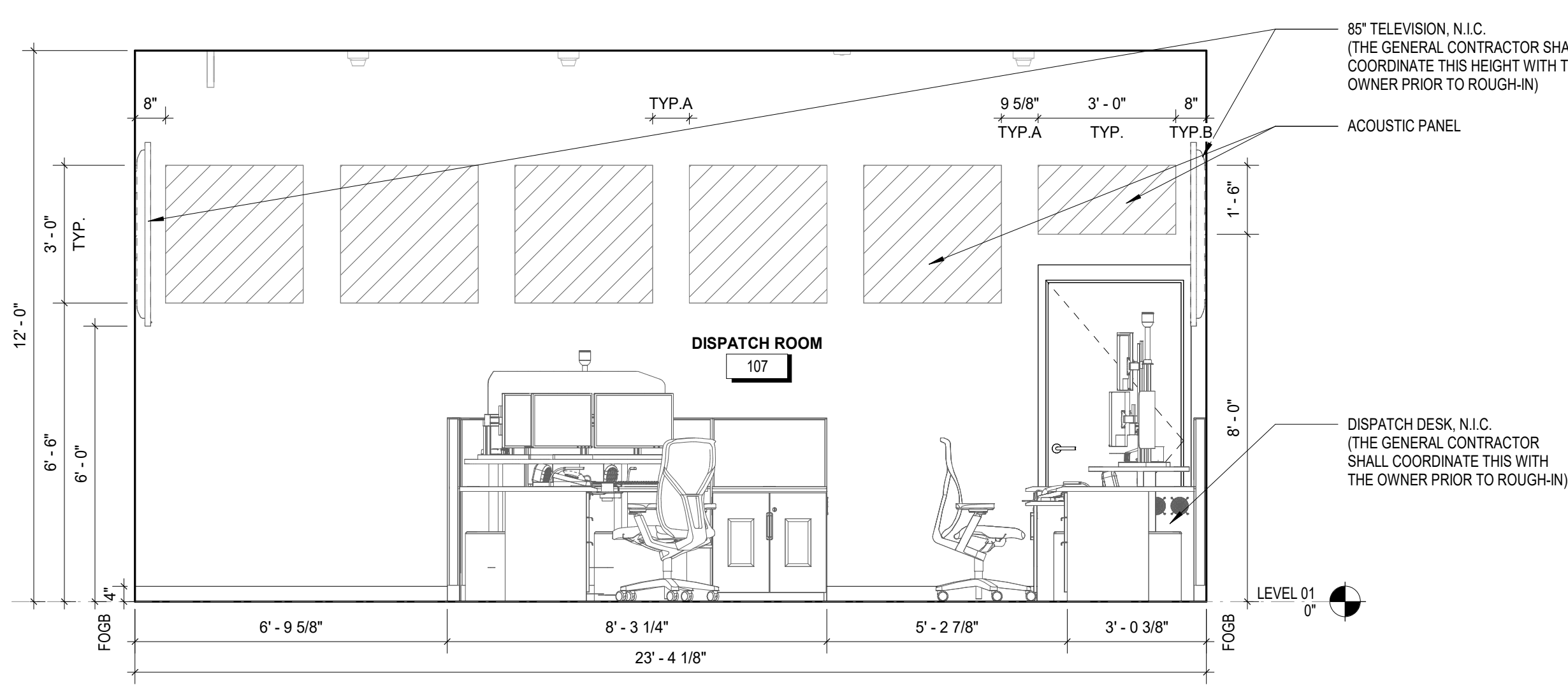
3 LOCKER ROOM 104 -1  
3/8" = 1'-0"



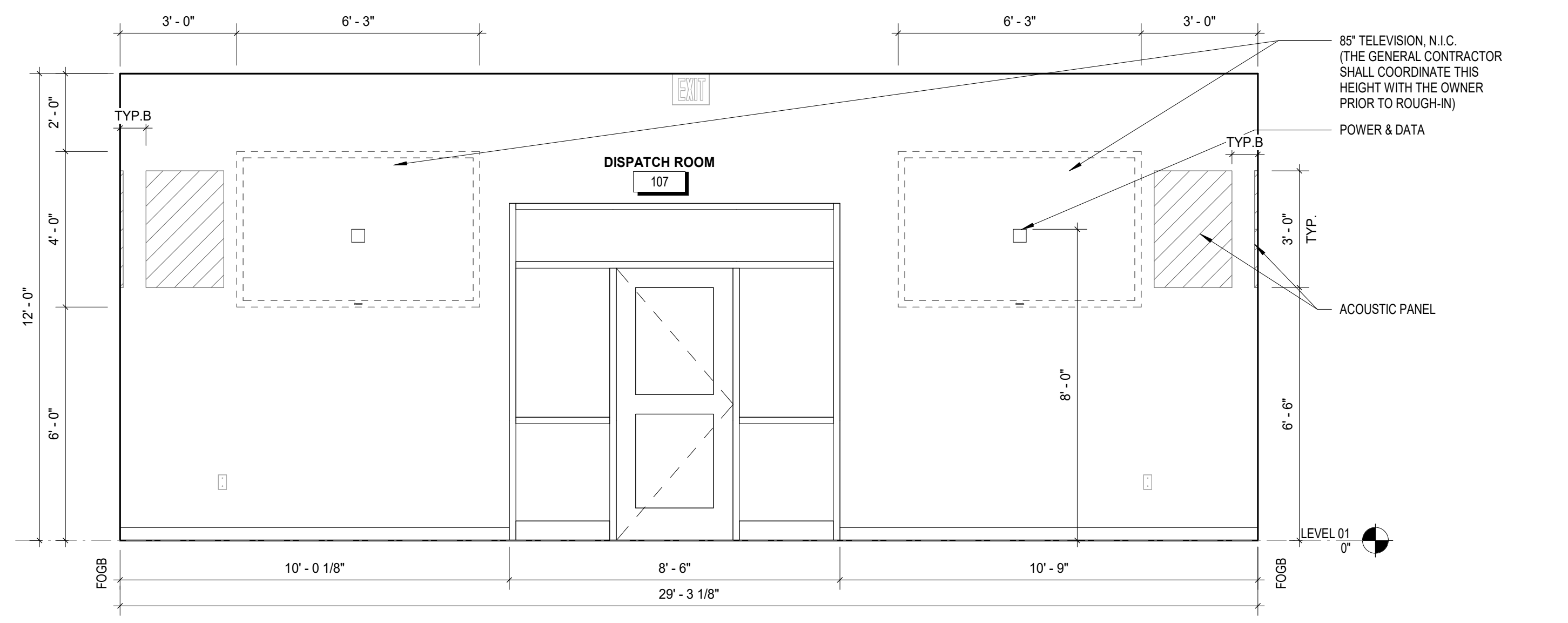
8 DISPATCH ROOM 107 -2  
3/8" = 1'-0"



7 DISPATCH ROOM 107 -1  
3/8" = 1'-0"



10 DISPATCH ROOM 107 -4  
3/8" = 1'-0"



9 DISPATCH ROOM 107 -3  
3/8" = 1'-0"



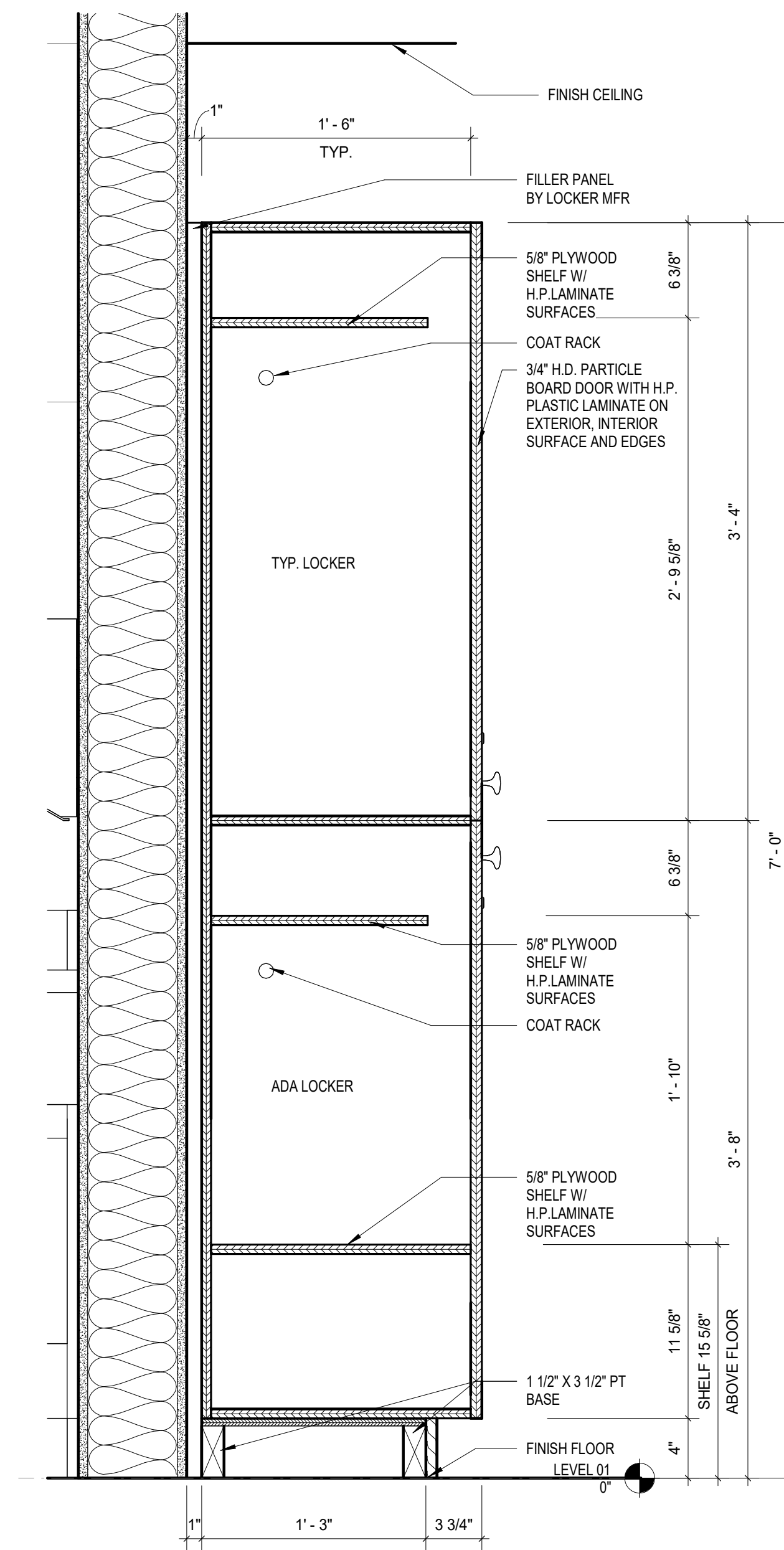
**HUSSEY GAY BELL**  
Established 1958  
3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096, T: 770.923.1600

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CC	YL	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

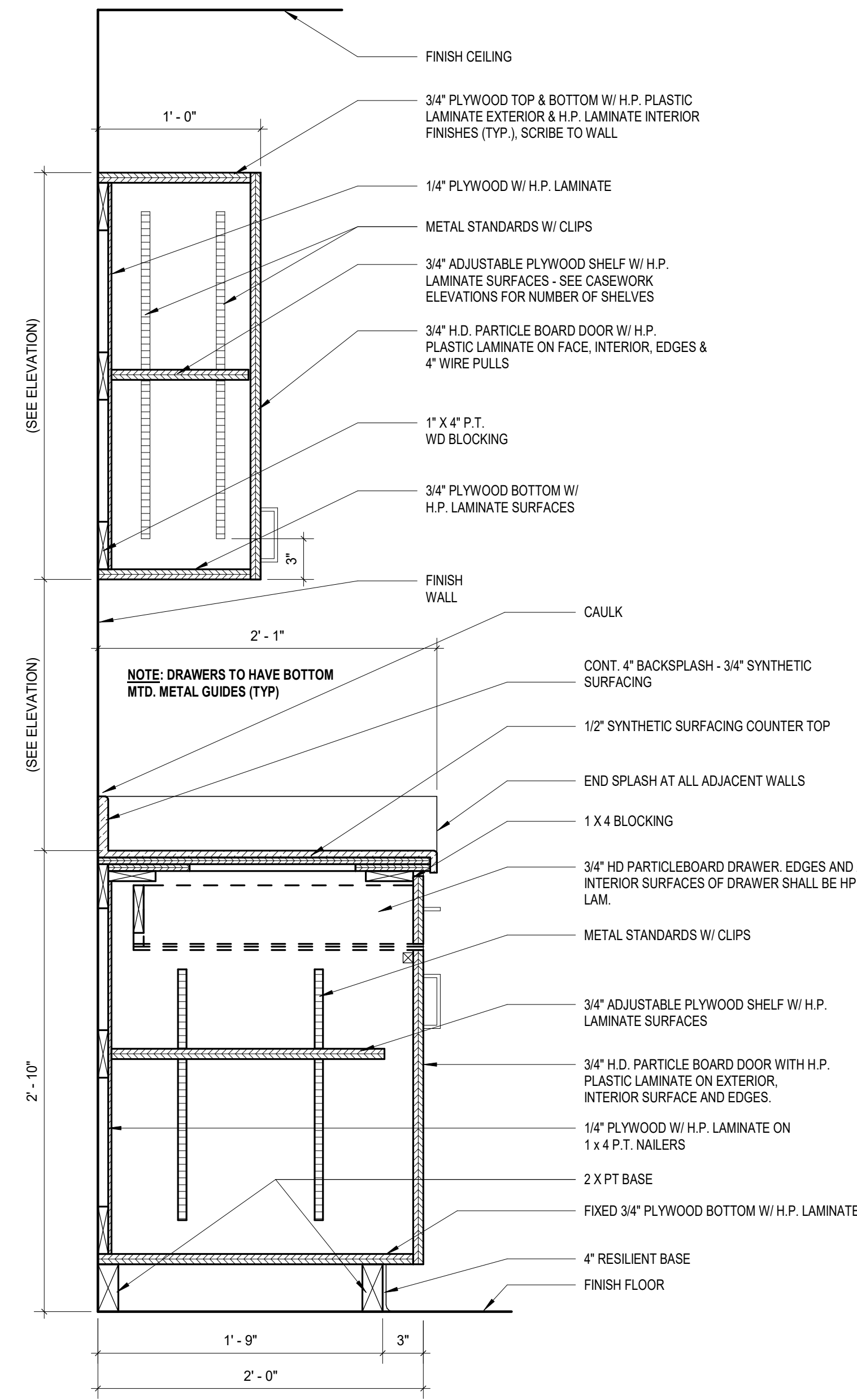
NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
INTERIOR ELEVATIONS

DRAWING NUMBER

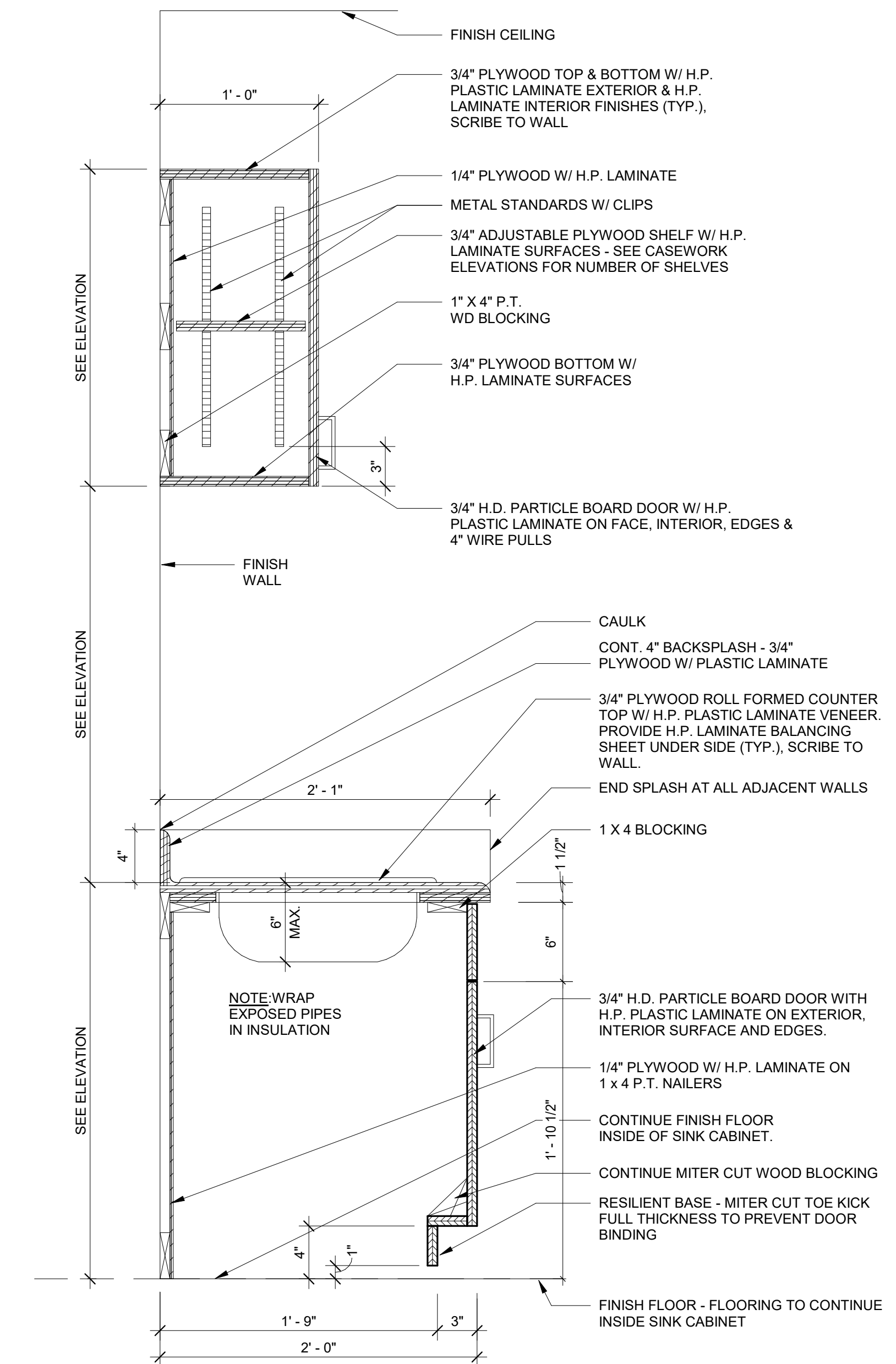
A7.11



**3 LOCKER SECTION DETAIL**  
1 1/2" = 1'-0"



**2 CASE WORK SECTION**  
1 1/2" = 1'-0"



**1 CASEWORK SECTION AT SINK (ADA)**  
1 1/2" = 1'-0"

**NOTE:**  
• REFER TO INTERIOR ELEVATIONS FOR NOTES PERTAINING TO ADD ALTERNATES.

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DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**INTERIOR ELEVATION DETAILS**

DRAWING NUMBER  
**A7.21**



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NO.	DATE	DESCRIPTION

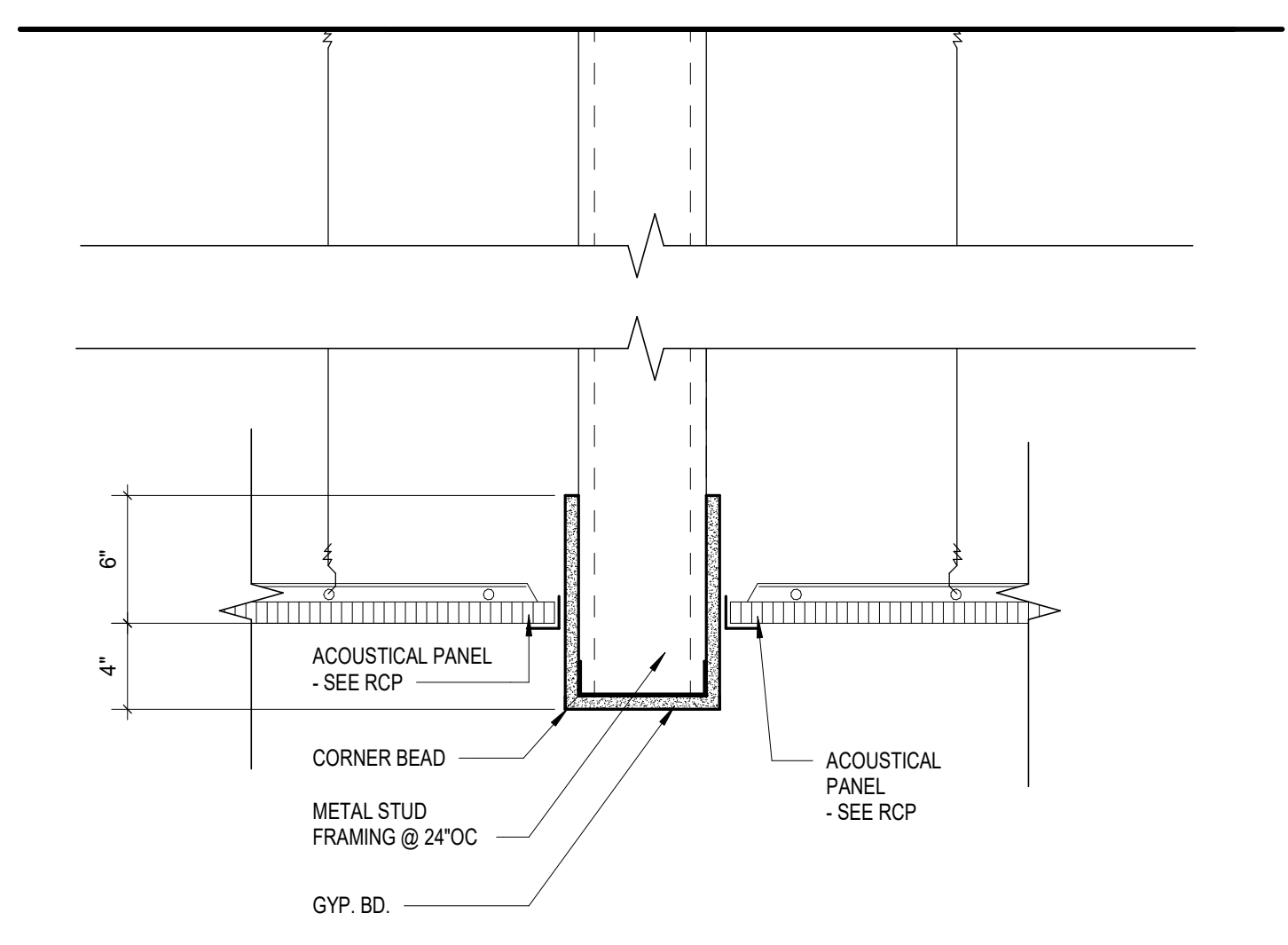
DESIGNED	DRAWN	CHECKED
CC	YL	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

**NEW 911 CENTER FOR UNION COUNTY**  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**REFLECTED CEILING PLAN**

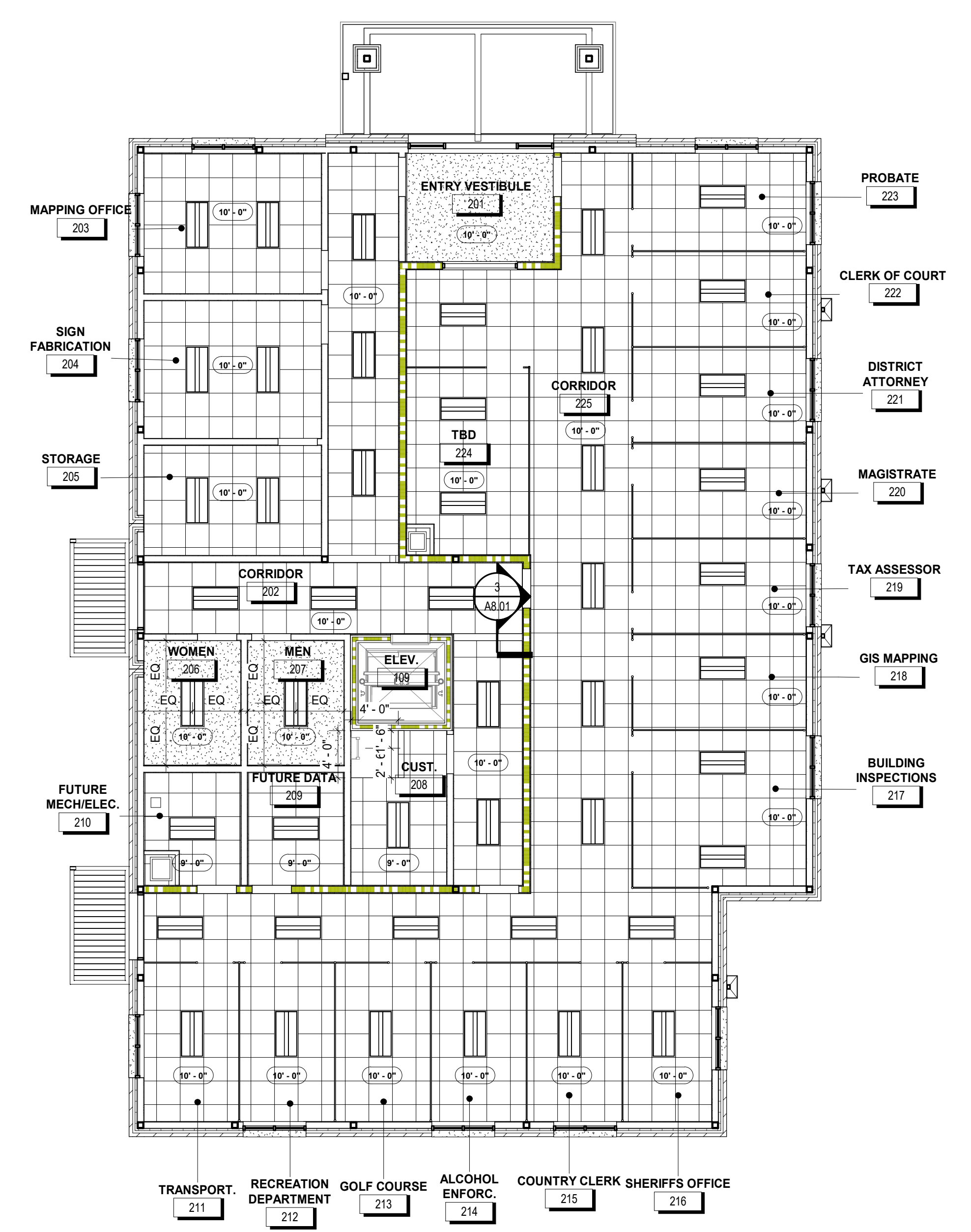
DRAWING NUMBER  
**A8.01**

RCP SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	2'x2'x2" SUSPENDED LAY-IN ACOUSTICAL PANEL CEILING SYSTEM w/SQUARE EDGE
	INDICATES LOCATION OF SOUND ATTENUATION ABOVE THE CEILING
	GYPSUM BOARD CEILING
	PREFINISHED METAL SOFFIT PANEL
	2' x 4' OR 2' x 2' LIGHT FIXTURE - SEE ELECTRICAL
	LED EXIT SIGN - SEE ELECTRICAL
	EXTERIOR LIGHT - SEE ELECTRICAL
	4" WIDE LED PENDANT LIGHT FIXTURE - SEE ELECTRICAL
	ROUND CEILING MOUNTED LIGHT FIXTURE - SEE ELECTRICAL
	GENERAL PURPOSE 4" INDUSTRIAL STRIP FIXTURE - SEE ELECTRICAL
	HVAC RETURN
	HVAC SUPPLY

- NOTES:
1. CEILING GRIDS TO BE CENTERED IN SPACE EACH DIRECTION. ADJUST GRID SUCH THAT NO PORTIONS OF TILE OCCUR AT WALL LESS THAN 4" WIDE.
  2. REFER TO MEP DRAWINGS FOR FIXTURE TYPE AND QUANTITY.
  3. PROVIDE ACCESS PANELS FOR SHUT OFF VALVES OR ACCESS TO ANY MECHANICAL EQUIPMENT NEEDED - SEE MECHANICAL AND PLUMBING DRAWINGS.
  4. SEE ELECTRICAL DRAWINGS FOR MOUNTING LIGHTING FIXTURE TYPE.
  5. ALL GYPSUM BOARD FASTENED TO UNDERSIDE OF ROOF TRUSSES THAT ARE EXPOSED TO VIEW SHALL BE FINISHED AND PAINTED.
  6. EXPOSED STRUCTURE ABOVE SHALL BE FOG PAINTED. COLOR TO BE SELECTED BY THE ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.



**3 CEILING DETAIL**  
 1 1/2" = 1'-0"



**2 LEVEL 02 REFLECTED CEILING PLAN**  
 1/8" = 1'-0"



**1 LEVEL 01 REFLECTED CEILING PLAN**  
 1/8" = 1'-0"

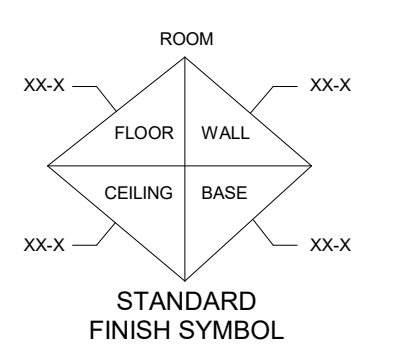
**MATERIAL ABBREVIATION LEGEND:**

ACT	ACOUSTICAL CEILING TILE
B	WALL BASE
F	FLOOR FINISH
LVT	LUXURY VINYL TILE
M	MISC. FINISH
PLAM	PLASTIC LAMINATE
PNT	PAINT
PT	PORCELAIN TILE
CT	CERAMIC TILE
RB	RUBBER BASE
SS	SOLID SURFACE
W	WALL FINISH
DATA	RAISED DATA FLOOR SYS
SC	SEALED CONCRETE

FINISH MATERIAL LIST			
SURFACE	SYMBOL	MATERIAL	MANUFACTURER BASIS OF DESIGN
FLOORING	LVT	LUXURY VINYL TILE	SHAW TERRAIN II - STYLE 0454V - COLOR TBD FROM FULL RANGE OF OPTIONS
	DATA	ACCESS FLOOR SYSTEM	REFER TO SPECS
	CT	CERAMIC TILE	DALTILE - HAUT MONDE - COLOR TBD FROM FULL RANGE OF OPTIONS - 12 X 24
BASE	RB	RUBBER BASE	ROPPE TP RUBBER BASE - CONTOURS WALL BASE SYSTEM - COLOR TBD.
	CT	CERAMIC TILE BASE	6" HIGH COVE BASE TO MATCH CT FLOORING
WALLS	CT	CERAMIC TILE	DALTILE - COLOR WHEEL LINEAR, POLISHED 4X16 LAID VERTICALLY/SOLDIER STACKED - COLOR TBD FROM FULL RANGE OF OPTIONS
	PNT-1	GYPSUM BD.	SHERWIN WILLIAMS PROMAR 200 ZERO VOC INTERIOR LATEX EGG SHELL - 2 COATS MIN. PLUS PRIMER - COLOR TBD
COUNTER TOPS	SS-1	SOLID SURFACE	WILSONART SOLID SURFACE COUNTERTOP - COLOR TBD - REFER TO ELEVATIONS
	PLAM-1	LAMINATE	WILSONART - MATTE FINISH - COLOR TBD FROM FULL RANGE OF COLORS
CEILING	ACT-1	ACOUSTICAL TILE	ARMSTRONG OPTIMA LAY IN 2 X 2 ACOUSTICAL CEILING PANELS/HEAVY DUTY MTL. SUSPENSION SYSTEM - WHITE
	PNT	GYPSUM BD.	SHERWIN WILLIAMS PROMAR 200 ZERO VOC INTERIOR LATEX EGG SHELL - 2 COATS MIN. PLUS PRIMER SW7007 CEILING BRIGHT WHITE

A9.11 ROOM FINISH SCHEDULE														
ROOM NO.	SPACE ROOM NAME	FLOOR		WALLS				CEILING		REMARKS				
		MAT.	FIN.	NORTH	EAST	SOUTH	WEST	MAT.	FIN.					
101	VEST	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				REFER TO FINISH PLANS FOR LVT LOCATIONS
102	CUST. STORAGE	SC	SC	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			
103	MEN	CT	CT	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			WET WALLS TO HAVE WALL TILE FROM FLOOR TO CEILING
104	LOCKER	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			REFER TO FINISH PLANS FOR LVT LOCATIONS
105	WOMEN	CT	CT	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			WET WALLS TO HAVE WALL TILE FROM FLOOR TO CEILING
106	SERVER	DATA FLR.	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				REFER TO SPECS. FOR DATA FLOORING SYSTEM
107	DISPATCH ROOM	DATA FLR.	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-2	ACT				REFER TO SPECS. FOR DATA FLOORING SYSTEM
108	BREAKROOM/ CONFERENCE	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-2	ACT				REFER TO FINISH PLANS FOR LVT LOCATIONS
109	ELEV.	LVT	RB	MFR	MFR	MFR	MFR	MFR	MFR	MFR	MFR			
110	STORAGE	SC	SC	CMU	PNT-1	CMU	PNT-1	CMU	PNT-1	GYP	PNT			
111	MECH ELEC	SC	SC	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			
112	OFFICE	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			REFER TO FINISH PLANS FOR LVT LOCATIONS
113	OFFICE	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				REFER TO FINISH PLANS FOR LVT LOCATIONS
114	CORRIDOR	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				REFER TO FINISH PLANS FOR LVT LOCATIONS
201	ENTRY VESTIBULE	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			REFER TO FINISH PLANS FOR LVT LOCATIONS
202	CORRIDOR	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				REFER TO FINISH PLANS FOR LVT LOCATIONS
203	MAPPING OFFICE	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				REFER TO FINISH PLANS FOR LVT LOCATIONS
204	SIGN FABRICATION	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				REFER TO FINISH PLANS FOR LVT LOCATIONS
205	STORAGE	LVT	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				REFER TO FINISH PLANS FOR LVT LOCATIONS
206	WOMEN	CT	CT	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			WET WALLS TO HAVE WALL TILE FROM FLOOR TO CEILING
207	MEN	CT	CT	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			WET WALLS TO HAVE WALL TILE FROM FLOOR TO CEILING
208	CUST.	SC	SC	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	GYP	PNT			
209	FUTURE DATA	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
210	FUTURE MECH/ELEC.	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
211	TRANSPORT	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
212	RECREATION DEPARTMENT	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
213	GOLF COURSE	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
214	ALCOHOL ENFORC.	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
215	COUNTRY CLERK	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
216	SHERIFFS OFFICE	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
217	BUILDING INSPECTIONS	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
218	GIS MAPPING	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
219	TAX ASSESSOR	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
220	MAGISTRATE	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
221	DISTRICT ATTORNEY	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
222	CLERK OF COURT	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
223	PROBATE	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
224	TBD	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				
225	CORRIDOR	SC	RB	GYP	PNT-1	GYP	PNT-1	GYP	PNT-1	ACT				

FLOOR FINISH LEGEND			
	LVT-1		SC
	LVT-2		CT



- NOTES:**
- INSTALL TRANSITION STRIPS BETWEEN DISSIMILAR FLOOR FINISHES.
  - CONTRACTOR TO SUBMIT ALL FINISH SAMPLES TO ARCHITECT PRIOR TO ORDERING FOR VERIFICATION OF CORRECT PRODUCT AND COLOR.
  - REFER TO A6.11 FOR STOREFRONT FINISH.
  - FINISHES TO MEET FLAME SPREAD AND SMOKE DEVELOPED RATINGS PER CODE.
  - EXTEND FLOORING UNDER COUNTERTOPS AND BASE CABINETS UNLESS NOTED OTHERWISE.
  - CONTROL JOINTS ARE SHOWN FOR REFERENCE ONLY. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - PROVIDE SHOP DRAWINGS SHOWING ALL PROPOSED JOINT LAYOUTS IN FILE PRIOR TO INSTALLATION W/ A PRE-INSTALLATION CONFERENCE.
  - ALL FLOOR DRAINS ARE TO BE COVERED AND PROTECTED PRIOR TO ANY TILE OR OTHER FINISH FLOOR INSTALLATION, AND SHALL REMAIN COVERED AND PROTECTED THROUGH FINAL GROUTING AND CLEANING. ALL DRAINS MUST BE KEPT CLEAN AND FREE OF ANY CONSTRUCTION DEBRIS, MORTAR, GROUT, TOILET PARTITION SHAVINGS, ETC.
  - SAW-CUT CONTROL JOINTS IN EXISTING SLAB/FLOOR TO BE RELOCATED TO THE NEXT NEAREST GROUT JOINT WITH APPROVED CRACK ISOLATION MEMBRANE PER TONA METHOD F125 PARTIAL.
  - ALL FINISHES AND PAINT LOCATIONS ARE PENDING FINALIZATION UNTIL AFTER OWNER FINISH MEETING. FOR PRICING ONLY.

ALL FINISH COLOR SAMPLES SHALL BE PROVIDED AT THE JOB TRAILER FOR FINAL COLOR SELECTION. COLOR SELECTION WILL BE MADE BY THE OWNER AND ARCHITECT. SELECTION WILL NOT BE MADE UNTIL ALL FINISH COLOR SAMPLES HAVE BEEN PROVIDED FOR THE PROJECT.

**INTERIOR WALL AND CEILING FINISH MATERIALS**

PER NFPA 101 INTERIOR WALL AND CEILING FINISH MATERIALS SHALL COMPLY AND BE TESTED IN ACCORDANCE WITH ASTM E84 OR ANSUL 723 (2018 IBC SECTION 803). INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E84. STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS. OR ANSUL 723 STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS SHALL COMPLY PER NFPA 101 SECTION 10.2

AT CORRIDORS, LOBBIES AND ENCLOSED STAIRWAYS INTERIOR WALL AND CEILING FINISH MATERIALS SHALL COMPLY WITH NFPA 101 SECTION 10.2 AND SHALL BE CLASS A OR CLASS B IN ALL CORRIDORS AND LOBBIES AND SHALL BE CLASS A IN ALL ENCLOSED STAIRWAYS.

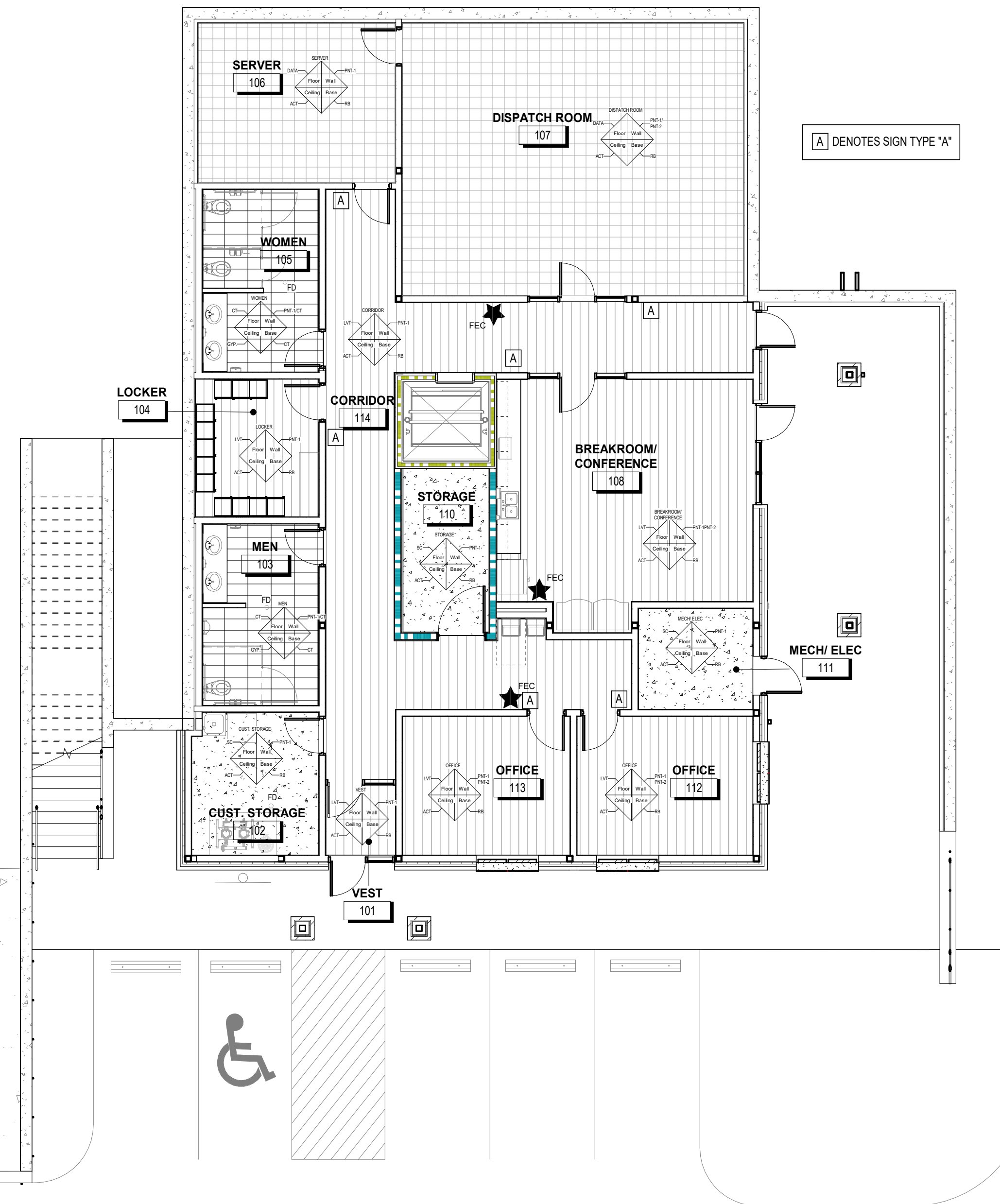
AT ASSEMBLY AREAS, INTERIOR WALL AND CEILING FINISH MATERIALS SHALL COMPLY WITH NFPA 101 SECTION 10.2 AND SHALL BE CLASS A OR CLASS B IN GENERAL ASSEMBLY AREAS HAVING OCCUPANT LOADS OF MORE THAN 300 AND SHALL BE CLASS A, CLASS B OR CLASS C IN ASSEMBLY AREAS HAVING OCCUPANT LOADS OF 300 OR FEWER.

**INTERIOR WALL MATERIAL FLAME SPREAD INDEX**

ALL INTERIOR WALL COVERINGS AND FINISH MATERIALS INCLUDING LAMINATED PRODUCTS SHALL COMPLY WITH THE REQUIREMENTS FOR FLAME SPREAD INDEX IN ACCORDANCE WITH ASTM E84 OR UL 723 AS PER THE 2018 IBC SECTION 803



**2 LEVEL 02 FINISH FLOOR PLAN**  
1/8" = 1'-0"



**1 LEVEL 01 FINISH FLOOR PLAN**  
1/8" = 1'-0"



**HUSSEY GAY BELL**  
Established 1958  
3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096 T: 770.923.1600

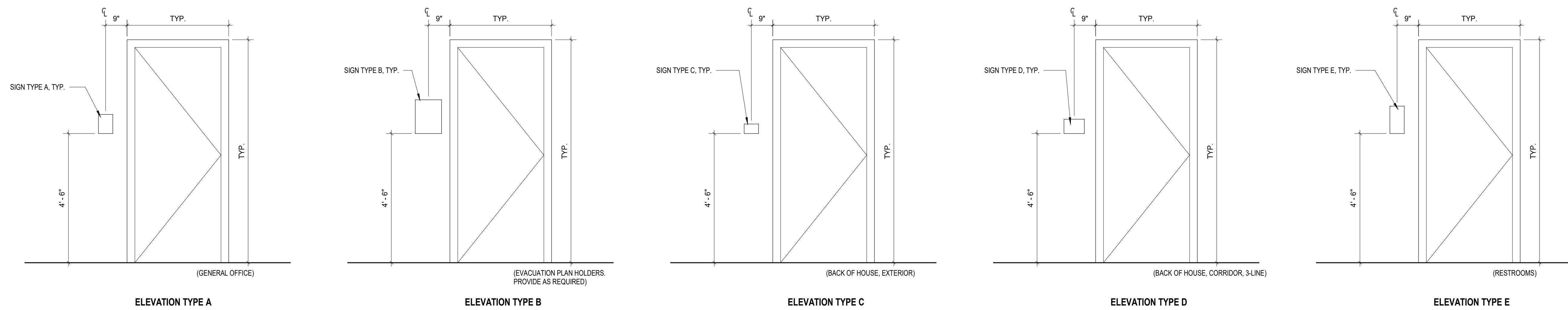
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CC	YL	CC SN
DATE: 12/06/2024		
JOB NO. 624 1109 01		

REVISIONS

**NEW 911 CENTER FOR UNION COUNTY**  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
FINISH FLOOR PLAN AND FINISH SCHEDULE

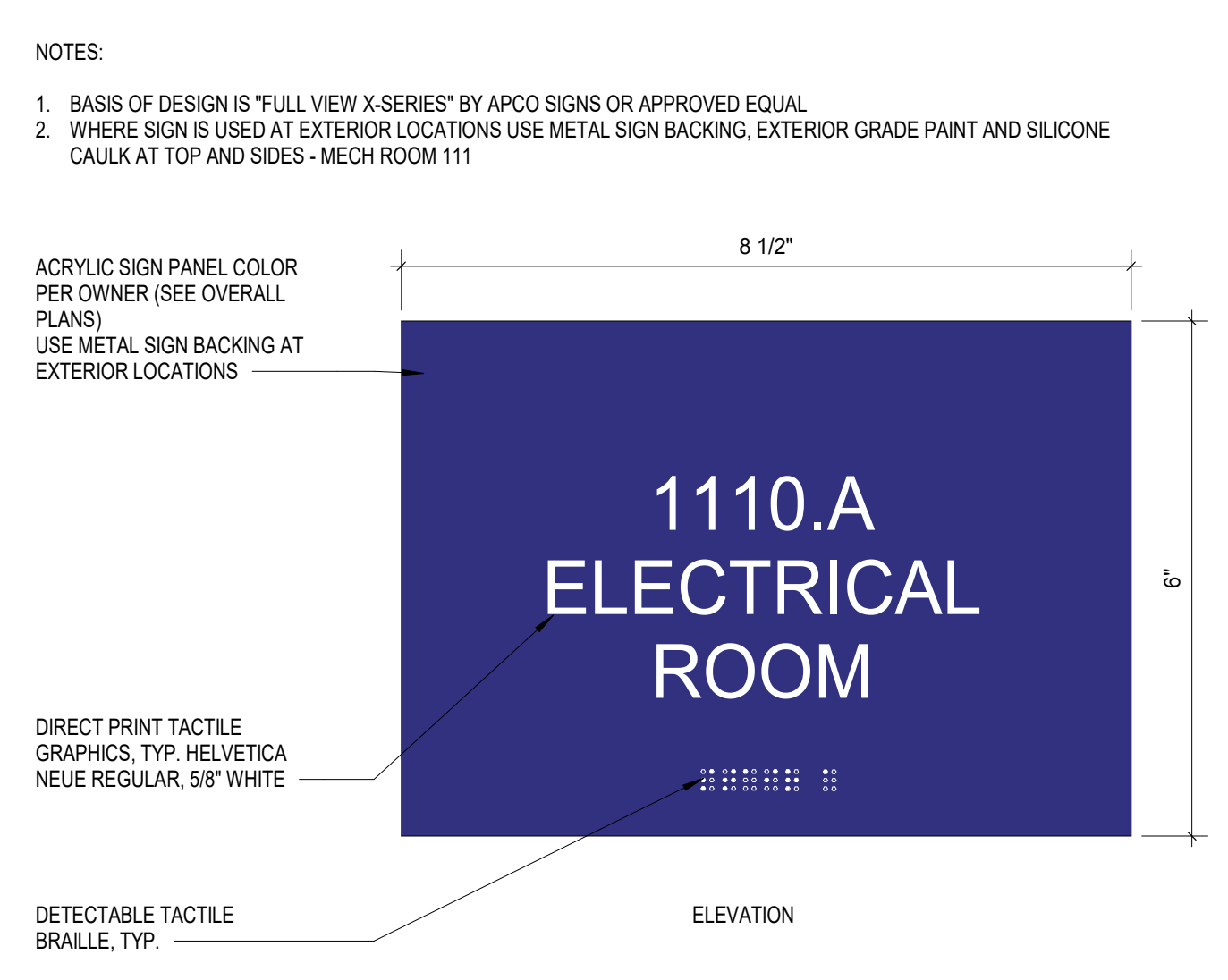
DRAWING NUMBER

**A9.11**

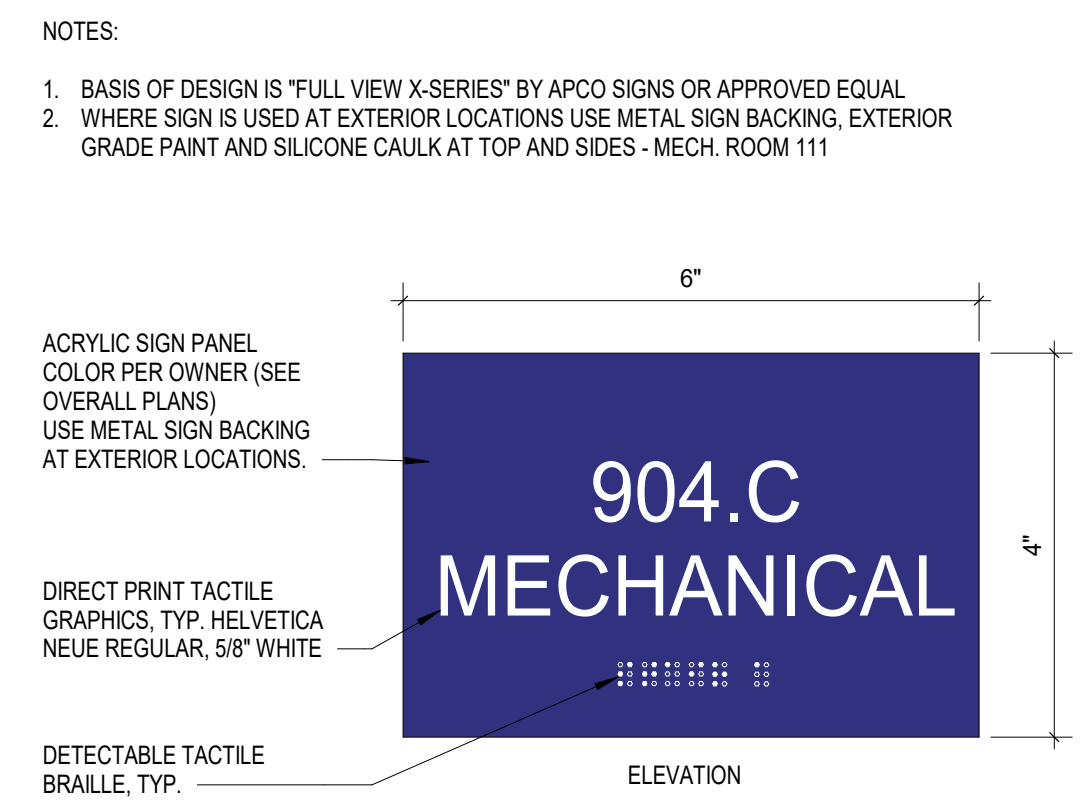


- SIGNAGE NOTES**
1. THE SIGNAGE VENDOR SHALL FURNISH AND INSTALL ALL SIGNAGE INDICATED IN THESE DRAWINGS AND SPECIFICATIONS AS WELL AS ANY ADDITIONAL SIGNAGE REQUIRED BY THE ADA, NFPA 101 AND THE UNION COUNTY FIRE MARSHAL, INCLUDING, BUT NOT LIMITED TO, EGRESS SIGNAGE, ROOM OCCUPANCY SIGNAGE, STAIRWAY SIGNAGE, ELEVATOR SIGNAGE, EVACUATION PLAN SIGNAGE, ETC.
  2. THE SIGNAGE VENDOR SHALL FIELD VERIFY ALL ROOM, SPACES, DOORS AND DOOR LOCATIONS AND ADVISE THE ARCHITECT OF ANY DISCREPANCIES. ANY MISSING SIGN LOCATIONS OR ADDITIONAL SIGNAGE REQUIRED SHALL BE INCLUDED IN THE VENDORS BASE BID. SIGNAGE VENDOR ASSUMES RESPONSIBILITY FOR ANY REQUIRED SIGNAGE NOT INDICATED IN THESE DRAWINGS.
  3. SHOP DRAWINGS SHALL BE FURNISHED TO THE ARCHITECT ACCURATELY INDICATING EXISTING SPACE LAYOUTS AND DOOR-OPENING LOCATIONS. SHOP DRAWINGS SHALL INDICATE THE LOCATION OF EACH SIGN AND CORRESPOND TO A SIGNAGE SCHEDULE INDICATING THE ROOM LOCATION NUMBER, THE SIGN TYPE, THE SIGN HEADER COLOR, ANY INCLUDED SYMBOL(S), THE PAPER COPY, THE PRINTED COPY, THE TACTILE COPY, A COLUMN INDICATING IF GLASS BACKERS ARE REQUIRED, A COLUMN FOR ANY SIGNAGE VENDOR COMMENTS/QUESTIONS, A COLUMN FOR OWNER COMMENTS/QUESTIONS, AND A TOP PLAN VIEW. THE SUBMITTAL SHOULD ALSO INCLUDE ELEVATIONS AND TOP PLAN VIEW OF EACH SIGN TYPE PROPOSED AND/OR REQUIRED.
  4. THESE CONTRACT DOCUMENTS ARE INTENDED AS A MINIMUM GUIDE FOR VENDORS TO PROVIDE FIXED BID PRICING AND TO CONVEY THE OWNERS DESIRED INTENT. ALL REQUIREMENTS FOR COMPLETE SIGNAGE REPLACEMENT SHALL BE FINALIZED BY FIELD VERIFICATION AND DURING THE SUBMITTAL/SHOP DRAWING REVIEW PROCESS.
  5. SIGN ELEVATIONS AND SIZES ARE FOR ROOM PURPOSES ONLY. FINAL SIGN ELEVATIONS/SIZES/COLORS TO BE CONFIRMED WITH OWNER PRIOR TO FABRICATION/INSTALLATION.
  6. BASIS OF DESIGN IS APCO SIGNS, "FULL VIEW X-SERIES", OR APPROVED EQUAL.
  7. VENDORS SHALL PROVIDE FIRE ALARM EVACUATION PLAN SIGN TYPE B AS REQUIRED BY CODE AND THE ADA AS PART OF THE BASE BID. THESE SIGN TYPES ARE NOT IDENTIFIED BY SPACE.

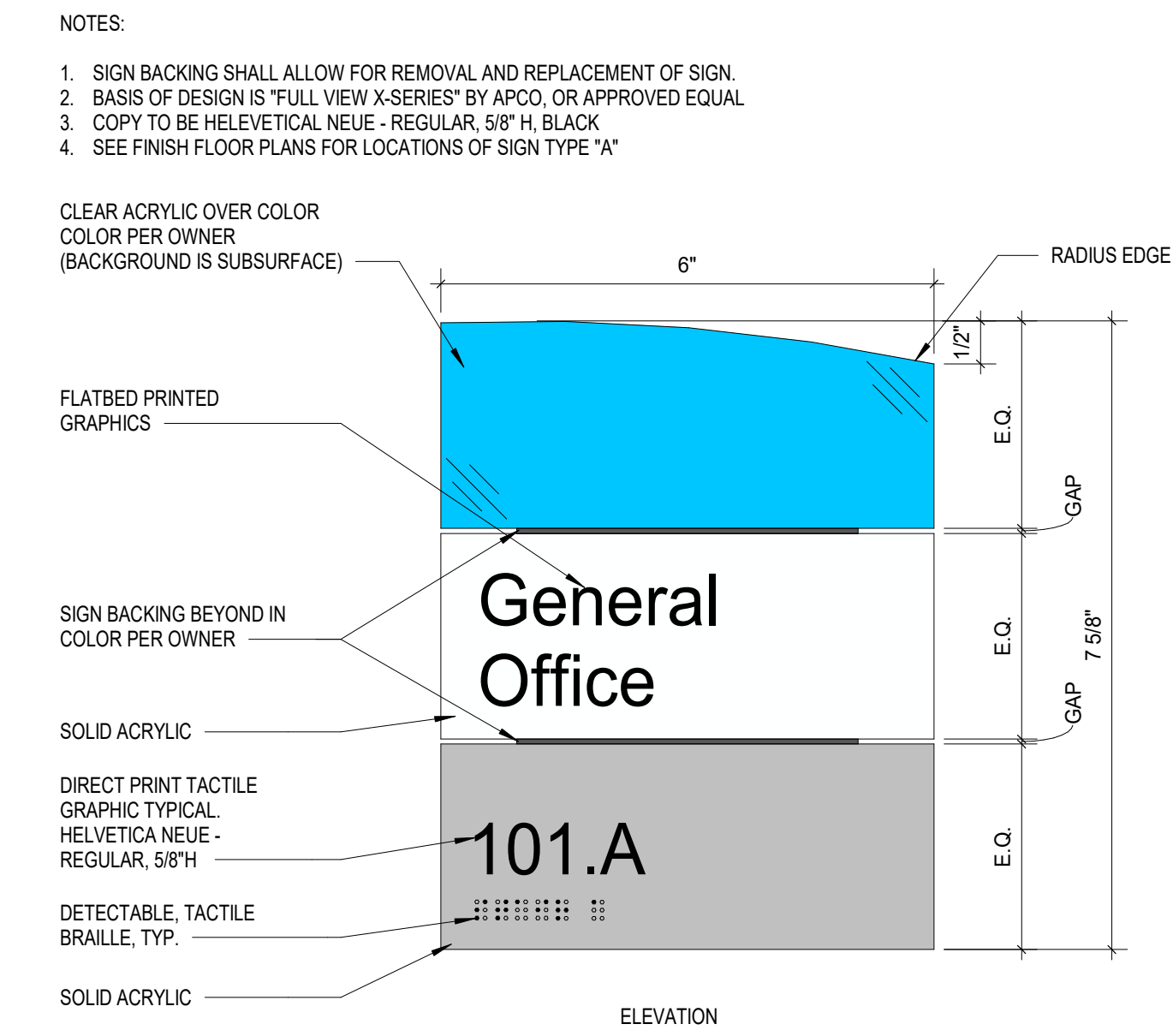
**6 SIGNAGE ELEVATION TYPE**  
1/2" = 1'-0"



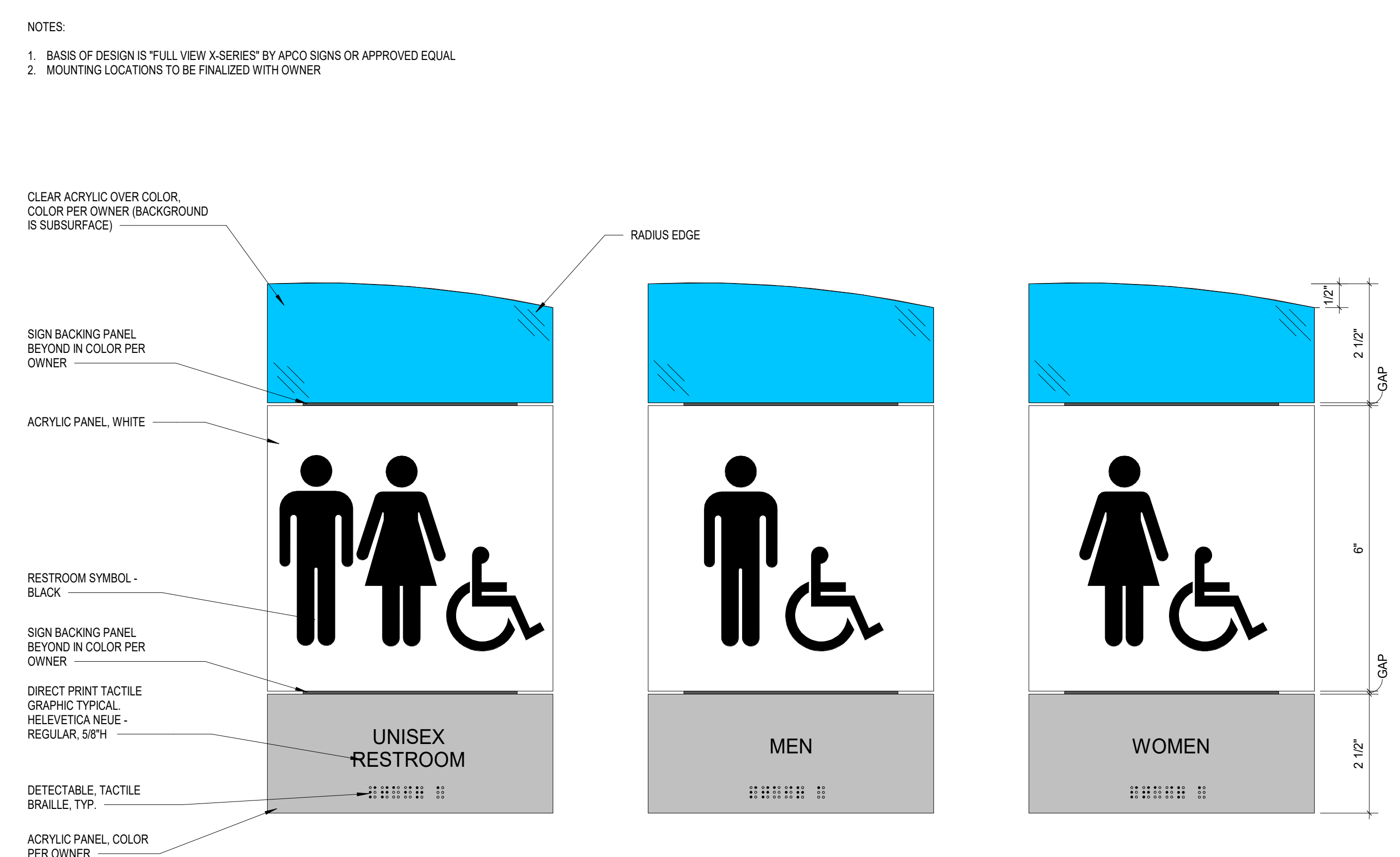
**SIGN TYPE D**



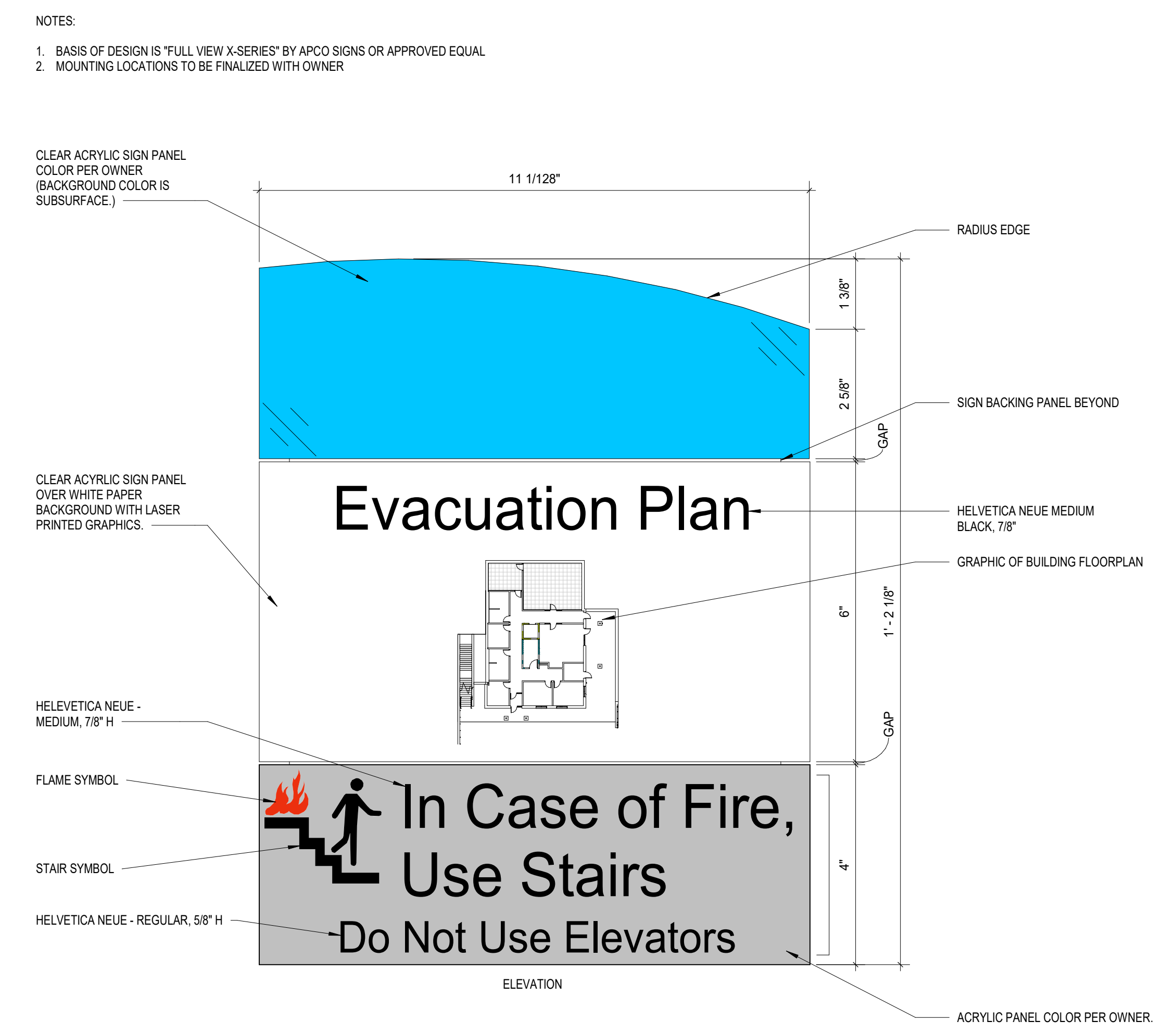
**SIGN TYPE C**



**SIGN TYPE A**  
SEE FINISH PLANS FOR LOCATIONS



**SIGN TYPE E**  
AT ALL RESTROOMS



**SIGN TYPE B**



**HUSSEY GAY BELL**  
Established 1958  
3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096, T: 770.923.1600

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
CC	YL	SN CC
DATE: 12/06/2024		
JOB NO. 624 1109 01		

**NEW 911 CENTER FOR UNION COUNTY**  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
SIGNAGE SCHEDULE AND PLANS

DRAWING NUMBER  
**A9.41**



**METAL STUDS AND JOISTS (COLD FORM FRAMING):**

- CONTRACTOR SHALL SUBMIT THE FOLLOWING AS A COMPLETE PACKAGE, DELAYED SUBMITTAL:
  - SHOP DRAWINGS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE INCLUDING PLACEMENT PLANS, ELEVATIONS, AND SECTIONS
    - INCLUDE LAYOUT, SPACINGS, SIZES, THICKNESSES, AND TYPES OF COLD-FORMED STEEL FRAMING; FABRICATION; AND FASTENING AND ANCHORAGE DETAILS, INCLUDING MECHANICAL FASTENERS
    - INDICATE REINFORCING CHANNELS, OPENING FRAMING, SUPPLEMENTAL FRAMING, STRAPPING, BRACING, BRIDGING, SPLICES, ACCESSORIES, CONNECTION DETAILS, AND ATTACHMENT TO ADJOINING WORK.
  - CALCULATIONS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE FOR REVIEW BY ENGINEER OF RECORD
  - PRODUCT CATALOG WITH PROPERTIES OF ALL FRAMING AND ACCESSORIES.
- DESIGN, FABRICATION, AND ERECTION SHALL CONFORM TO LATEST ADDITION OF THE AISI "NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" INCLUDING SUBSEQUENT SUPPLEMENTS. ALL METAL STUDS SHALL BE GALVANIZED.
- ALL STUDS, JOISTS, TRACK, BRIDGING, END CLOSURES AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" UNLESS NOTED OTHERWISE
- ALL PRODUCTS TO BE MANUFACTURED BY A CURRENT MEMBER OF THE STEEL MANUFACTURERS ASSOCIATION.
- CONTRACTOR SHALL FURNISH COMPLETE FABRICATION AND ERECTION DRAWINGS PREPARED BY AN ENGINEER LICENSED IN THE PROJECT STATE FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO THE COMMENCEMENT OF FABRICATION. INCLUDE PLACING DRAWINGS FOR FRAMING MEMBERS SHOWING SIZE AND GAGE DESIGNATIONS, NUMBER, TYPE, LOCATION AND SPACING, INDICATE SUPPLEMENTAL TRAPPING, BRACES, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.
- MEMBER SIZE, GAGE AND SPACING OF EXTERIOR WALL STUDS AND ALL MEMBERS CONNECTIONS SHALL BE DESIGNED BY A SPECIALTY ENGINEER. SUBMIT CALCULATIONS FOR MEMBERS AND CONNECTIONS WITH SHOP DRAWINGS (SIGNED AND STAMPED BY LICENSED STRUCTURAL ENGINEER IN THE STATE IN WHICH THE PROJECT WILL BE CONSTRUCTED) TO ENGINEER OF RECORD FOR REVIEW. SHOP DRAWINGS SHALL SHOW WALL SECTIONS COORDINATED WITH DRAWINGS SHOWING FRAMING, ACCESSORIES, ANCHORAGE AND CONNECTION DETAILS. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS.
- DELEGATED DESIGN. ENGAGE A QUALIFIED PROFESSIONAL ENGINEER TO DESIGN COLD-FORMED STEEL FRAMING CAPABLE OF WITHSTANDING DESIGN LOADS WITHIN LIMITS AND CONDITIONS INDICATED BELOW.
  - DESIGN LOADS: AS INDICATED ON DRAWINGS OR COMPUTED USING DESIGN CRITERIA PROVIDED.
  - DESIGN FRAMING SYSTEMS TO WITHSTAND DESIGN LOADS WITHOUT DEFLECTIONS GREATER THAN THE FOLLOWING:
    - EXTERIOR WALL FRAMING: HORIZONTAL DEFLECTION OF 1/240 OF THE WALL HEIGHT, 1/360 OF THE WALL HEIGHT FOR SIMULATED STONE WALLS OR STUCCO FINISHES, 1/600 FOR BRICK OR STONE VENEER WALLS.
    - INTERIOR WALL FRAMING: HORIZONTAL DEFLECTION OF 1/240 OF THE WALL HEIGHT UNDER A HORIZONTAL LOAD OF 5 LB/SQ. FT.
    - CEILING JOIST FRAMING: VERTICAL DEFLECTION OF 1/360 OF THE SPAN FOR LIVE LOADS AND 1/240 FOR TOTAL LOADS OF THE SPAN.
- DESIGN WALL FRAMING TO ACCOMMODATE HORIZONTAL DEFLECTION WITHOUT REGARD FOR CONTRIBUTION OF SHEATHING MATERIALS. FOR STRENGTH CALCULATIONS, WALLS SHALL BE DESIGNED AS BRACED AT THE STRAP SPACING (OR UNBRACED IF NO STRAPS ARE DESIGNATED) IF FULL-HEIGHT STRUCTURAL SHEATHING IS NOT INSTALLED ON BOTH SIDES OF STUDS. STRUCTURAL SHEATHING IS LIMITED TO PLYWOOD AND OSB. SHEATHING, BRIDGING, AND BRACING SHALL BE INSTALLED PRIOR TO VERTICAL LOAD OF LOAD BEARING WALLS.
- DESIGN FRAMING SYSTEMS TO PROVIDE FOR MOVEMENT OF FRAMING MEMBERS LOCATED OUTSIDE THE INSULATED BUILDING ENVELOPE WITHOUT DAMAGE OR OVERSTRESSING, SHEATHING FAILURE, CONNECTION FAILURE, UNIDUE STRAIN ON FASTENERS AND ANCHORS, OR OTHER DETRIMENTAL EFFECTS WHEN SUBJECT TO A MAXIMUM AMBIENT TEMPERATURE CHANGE OF 120 DEG F (67 DEG C).
- PROVIDE TEMPORARY SHORES, GUYS, BRACES, AND OTHER SUPPORTS DURING ERECTION TO KEEP STRUCTURAL FRAMING SECURE, PLUMB, AND IN ALIGNMENT AGAINST TEMPORARY CONSTRUCTION LOADS EQUAL IN INTENSITY TO DESIGN LOADS. REMOVE TEMPORARY SUPPORTS WHEN PERMANENT STRUCTURAL FRAMING CONNECTIONS AND BRACING ARE IN PLACE, UNLESS OTHERWISE INDICATED.
- DESIGN FRAMING SYSTEM TO MAINTAIN CLEARANCES AT OPENINGS, TO ALLOW FOR CONSTRUCTION TOLERANCES, AND TO ACCOMMODATE LIVE LOAD DEFLECTION OF PRIMARY BUILDING STRUCTURE AS FOLLOWS (INCLUDES SLIP TRACKS, SLIP CLIPS, & BYPASS CLIPS):
  - UPWARD AND DOWNWARD MOVEMENT EQUALS 1/240 TIMES THE SPAN OF THE UPPER BOUND PRIMARY STRUCTURAL ELEMENT (BEAM).
- MINIMUM MEMBER SIZES ARE AS FOLLOWS:

MEMBER	FLANGE THICKNESS (MILS)
S (STUD)	162 33
T (TRACK)	200 33
- MINIMUM YIELD STRENGTH (Fy) OF ALL SECTIONS 20 TO 18 GAUGE (33 TO 43 MILS) SHALL BE 33 KSI. MINIMUM YIELD STRENGTH (Fy) OF ALL SECTIONS 16 TO 12 GAUGE (54 TO 97 MILS) SHALL BE 50 KSI.
- ALL STUDS BACKING MASONRY OR STONE VENEER SHALL BE 43 MILS MIN.
- THE QUANTITY OF STUDS OR JOISTS PLACED ON EACH SIDE OF OPENINGS SHALL BE DESIGNATED BY THE SPECIALTY ENGINEER (2) STUDS MIN, EACH SIDE OF OPENING.
- SELF-DRILLING TAPPING SCREW FASTENERS SHALL BE IN COMPLIANCE WITH ASTM C1513 OR AN APPROVED DESIGN OR RECOGNIZED DESIGN STANDARD. ALL SCREWS SHALL BE NON-CORROSIVE NO. 12-14 STANDARD SELF-DRILLING SCREWS UNLESS NOTED OTHERWISE ON DRAWINGS (DO NOT USE STAINLESS STEEL OR COPPER COATED FASTENERS).
- ALL POWDER ACTUATED FASTENERS (PAF) SHALL BE 0.157" MIN. DIAMETER POWDER ACTUATED FASTENERS.
- ALL SCREWS SHALL BE SPACED NO CLOSER THAN 1" ON CENTER UNLESS NOTED OTHERWISE ON DRAWINGS. MIN. EDGE DISTANCE FOR SCREWS SHALL BE 1".
- TRACKS SHALL BE CONNECTED TO SUPPORTS WITH TWO SCREWS OR PINS AT 16" O.C. MAX. STUDS OR JOISTS SHALL BE CONNECTED TO TRACKS AT EACH SIDE.
- ALL BRIDGING MUST BE CONTINUOUS FOR FULL LENGTH OF WALL OR PROPERLY SPLICED WITH AN APPROVED SPLICE ELEMENT.
- ALL WELDING TO BE PERFORMED BY A QUALIFIED WIRE FEED WELDER PER ASTM A-108. FIELD WELDING SHALL BE DONE WITH E60 ELECTRODES. WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1.3, LATEST EDITION. DO NOT WELD SHAPES LESS THAN 68 MILS (14 GAUGE).
- APPLY ZINC COATING TO ALL WELDS.
- SHOP-FABRICATE ALL FRAMING MEMBERS FOR FIELD BOLTED ASSEMBLY. THE SURFACES OF THE BOLTED CONNECTIONS MUST BE SMOOTH AND FREE FROM BURRS OR DISTORTIONS.

**STEEL JOISTS:**

- STEEL JOISTS SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, K-SERIES" OF THE STEEL JOIST INSTITUTE (SJI).
- STEEL JOISTS SHALL BE DESIGNED BY THE MANUFACTURER. THE MANUFACTURER'S ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN, ADEQUACY AND SAFETY OF ALL STEEL JOISTS. JOIST DESIGNATIONS ON THE STRUCTURAL DRAWINGS REPRESENT A TYPICAL JOIST FOR A UNIFORM SPACING AND LOADING. THE JOIST MANUFACTURER SHOULD DESIGN & PROVIDE SPECIAL (KSP) JOISTS INTERACTING WITH ROOF MOUNTED MECHANICAL UNITS OR THAT HAVE CONCENTRATED OR NON-UNIFORM LOADS FROM A DIFFERENT SOURCE. CONTRACTOR SHALL SEND INFORMATION TO THE ARCHITECT GIVING THE SIZE AND OPERATING WEIGHT OF THE UNIT ACTUALLY PURCHASED FOR VERIFICATION PRIOR TO FABRICATION OF BAR JOISTS OR ROOF DECK. SEE ADDITIONAL ATYPICAL LOADING PROVIDED ON THE STRUCTURAL FRAMING PLAN.
- UNLESS OTHERWISE NOTED, STEEL JOISTS SHALL BE DESIGNED AS SIMPLY SUPPORTED UNIFORMLY LOADED TRUSSES WITH THE TOP CHORD BRACED AGAINST LATERAL BUCKLING. THE UNIFORM DESIGN LOAD SHALL BE THE TOTAL SAFE UNIFORMLY DISTRIBUTED LOAD AS SHOWN IN THE SJI STANDARD LOAD TABLE.
- WHEN NET UPLIFT FORCES DUE TO WIND ARE SHOWN ON THE DRAWINGS, THE MANUFACTURER SHALL DESIGN THE JOISTS, BRIDGING, AND CONNECTIONS OF THE JOISTS TO THE SUPPORTING STRUCTURE FOR THE NET UPLIFT. A SINGLE LINE OF BOTTOM CHORD BRIDGING MUST BE PROVIDED NEAR THE FIRST BOTTOM CHORD PANEL POINTS WHENEVER UPLIFT DUE TO WIND FORCES IS SHOWN ON THE DESIGN DRAWINGS.
- WHEN NON-UNIFORM OR CONCENTRATED LOADS ARE SHOWN ON THE DRAWINGS, THE MANUFACTURER SHALL DESIGN THE JOISTS IN ACCORDANCE WITH THE SJI STANDARD SPECIFICATION FOR OPEN WEB STEEL JOISTS, K-SERIES.
- STEEL JOIST BRIDGING SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE SJI SPECIFICATION. ALL BRIDGING AND BRIDGING ANCHORS SHALL BE PLACED AND STEEL JOIST ENDS FIXED PRIOR TO THE APPLICATION OF ANY LOADS. COORDINATE BRIDGING LOCATIONS TO AVOID INTERFERENCE WITH ALL MECHANICAL, ELECTRICAL AND FIRE PROTECTION EQUIPMENT.
- MINIMUM BEARING REQUIREMENTS FOR K-SERIES JOISTS, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
  - ON STRUCTURAL STEEL..... 2-1/2 INCHES
  - ON STEEL BEARING PLATES OVER MASONRY OR CONCRETE.... 4 INCHES
- UNLESS NOTED OTHERWISE, K-SERIES STEEL JOISTS SHALL BE ATTACHED TO SUPPORTING STEEL WORK OR STEEL BEARING PLATES WITH TWO 1/8" FILLET WELDS (ONE EACH SIDE), 2" LENGTH MINIMUM, OR WITH (2) 1/2" DIAMETER BOLTS (ONE EACH SIDE).
- MINIMUM BEARING REQUIREMENTS FOR LH-SERIES JOISTS, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
  - ON STRUCTURAL STEEL..... 4 INCHES
  - ON STEEL BEARING PLATES OVER MASONRY OR CONCRETE.... 6 INCHES
- UNLESS NOTED OTHERWISE, LH-SERIES STEEL JOISTS SHALL BE ATTACHED TO SUPPORTING STEEL WORK OR STEEL BEARING PLATES WITH TWO 1/4" FILLET WELDS (ONE EACH SIDE), 2" LENGTH MINIMUM, OR WITH (2) 3/4" DIAMETER BOLTS (ONE EACH SIDE).
- STEEL JOISTS AT COLUMN CENTER LINES SHALL BE BOLTED TO STRUCTURAL STEEL WITH (2) 1/2" DIAMETER BOLTS. WHERE STEEL JOISTS DO NOT SPACE TO COLUMN CENTER LINES, USE BOLTED CONNECTIONS FOR THE STEEL JOIST CLOSEST TO THE CENTER LINE.
- HOLES IN STEEL JOIST CHORDS WILL NOT BE PERMITTED, EXCEPT FOR BOLTED CONNECTIONS AT THE BEARING END OF THE STEEL JOIST.
- ALL THE ITEMS SUCH AS MECHANICAL EQUIPMENT, DUCT WORK, PIPES, CEILING FIXTURES, ETC. THAT ARE TO BE SUPPORTED OR HUNG FROM THE STEEL JOISTS SHALL BE FRAMED WITH AUXILIARY FRAMING TO THE PANEL POINTS OF THE STEEL JOISTS. METHODS OF FRAMING THAT INDUCE BENDING TO THE STEEL JOIST CHORDS OR WEB MEMBERS WILL NOT BE PERMITTED.
- CONTRACTOR SHALL COORDINATE LOCATION OF JOISTS AND MASONRY WALLS TO PREVENT INTERFERENCE.
- EXTEND JOIST BOTTOM CHORD TYPICALLY AT COLUMN LINES. DO NOT WELD BOTTOM CHORD UNTIL ROOF DEAD LOAD IS IN PLACE.
- DAMAGED MEMBERS WILL BE REJECTED. THE CONTRACTOR AND THE JOIST MANUFACTURER ARE RESPONSIBLE FOR REPAIRING AND/OR REPLACING DAMAGED MEMBERS. IF REPAIRS ARE MADE, A LETTER BEARING THE SEAL OF A REGISTERED ENGINEER MUST BE PROVIDED BY THE JOIST MANUFACTURER APPROVING SUCH REPAIRS.

**POST-INSTALLED ANCHORS:**

- POST-INSTALLED ANCHORS SHALL ONLY BE INSTALLED WHERE SPECIFIED ON THE CONTRACT DRAWINGS. POST-INSTALLED ANCHORS SHALL NOT BE USED FOR MISSING OR MIS-PLACED CAST-IN-PLACE ANCHORS WITHOUT PERMISSION FROM THE ENGINEER OF RECORD.
- TESTING, SCANNING, AND LOCATING OF EXISTING REINFORCEMENT IS REQUIRED PRIOR TO INSTALLATION OF POST-INSTALLED ANCHORS TO AVOID INTERFERENCE AND/OR DAMAGE TO IN-PLACE REINFORCEMENT.
- SUBSTITUTION REQUESTS FOR SPECIFIED POST-INSTALLED ANCHORS SHALL BE ACCOMPANIED BY ADEQUATE CALCULATIONS BY A REGISTERED ENGINEER IN THE PROJECT STATE THAT THE REQUESTED ANCHOR MEETS OR EXCEEDS THAT OF WHAT IS SPECIFIED.
- MECHANICAL ANCHORS SHALL BE TESTED AND ASSESSED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ACI 308.2 QUALIFICATION OF POST-INSTALLED MECHANICAL ANCHORS IN CONCRETE AND COMMENTARY.
- ADHESIVE ANCHOR SYSTEMS SHALL BE TESTED AND ASSESSED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ACI 308.4 QUALIFICATION OF POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE (308.4) AND COMMENTARY. BULKMIXED (E.G., BUCKET-MIXED) ADHESIVES ARE NOT PERMITTED.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (fc) OF 2,500 PSI AT THE TIME OF ADHESIVE ANCHOR INSTALLATION.
- CONCRETE AT TIME OF ADHESIVE ANCHOR INSTALLATION SHALL HAVE A MINIMUM AGE OF 21 DAYS. FOR INSTALLATION OF ADHESIVE ANCHORS IN CONCRETE HAVING AN AGE LESS THAN 21 DAYS, TESTS SHALL BE CONDUCTED TO VERIFY THE PERFORMANCE OF THE PRODUCT IN ACCORDANCE WITH ACI 308.4.
- THE CONCRETE TEMPERATURE AT THE TIME OF ADHESIVE ANCHOR INSTALLATION SHALL BE AT LEAST 50°F UNLESS TESTING HAS BEEN CONDUCTED IN ACCORDANCE WITH RECOGNIZED CRITERIA TO VERIFY PERFORMANCE IN CONCRETE AT LOWER TEMPERATURES.
- ADHESIVE ANCHORS SHALL BE SUPPLIED AS AN ENTIRE SYSTEM. THE SYSTEM SHALL INCLUDE, BUT IS NOT LIMITED TO, MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI) AS SUPPLIED WITH THE ADHESIVE, ADHESIVE CARTRIDGE, MIXING NOZZLE, EXTENSION TUBE, DISPENSER, AND ALL REQUIRED EQUIPMENT FOR PROPERLY CLEANING THE DRILLED HOLE.
- ALL-THREADED ROD (EYE BOLTS, THREADED STUDS, INTERNAL THREADED PARTS) TO BE USED IN ADHESIVE ANCHOR ASSEMBLIES SHALL CONFORM TO ASTM A36, F1554 OR OTHER APPROVED ANCHOR ASSEMBLY TYPES. STAINLESS STEEL ANCHOR RODS SHALL BE AISI TYPE 304 OR TYPE 316. THREADS SHALL BE UNC COARSE THREADS, UNLESS NOTED OTHERWISE. COMPATIBLE NUTS AND WASHERS SHALL BE FURNISHED WITH THE ALL-THREADED ROD AND CONSIDERED PART OF THE ASSEMBLY. WITH HOT-DIPPED GALVANIZED RODS, USE OVERSIZED TAPPED, HOT-DIPPED GALVANIZED NUTS.
- NUTS, WASHERS, AND OTHER HARDWARE USED WITH AN ALL-THREADED BAR ADHESIVE ANCHOR SYSTEM OR WITH A MECHANICAL EXPANSION ANCHOR SHALL HAVE A MATERIAL OR AN ALLOY DESIGNATION THAT IS COMPATIBLE WITH THE ANCHOR ROD/ALLOY. GALVANIZED ASSEMBLIES SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. ELECTROPLATE GALVANIZING IS NOT ACCEPTABLE. DISSIMILAR METAL ASSEMBLIES SHALL BE SEPARATED BY NYLON, EPDM, OR OTHER APPROVED NON-METALLIC WASHERS.
- REINFORCING BARS TO BE USED IN ADHESIVE ANCHOR ASSEMBLIES OR AS POST-INSTALLED REINFORCING SHALL CONFORM TO ASTM A615, A706, A995, OR A1035
- THE EMBEDMENT DEPTH SPECIFIED SHALL BE DEFINED AS THE DEPTH FROM THE BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN FULLY INSTALLED.
- ADHESIVE CARTRIDGES SHALL BE STORED UNDER CONDITIONS IN COMPLIANCE WITH MANUFACTURER RECOMMENDATIONS REGARDING TEMPERATURE, EXPOSURE TO SUNLIGHT, ETC. AND EVIDENCE OF COMPLIANCE SHALL BE MADE AVAILABLE UPON REQUEST. THE USE OF EXPIRED ADHESIVE, AS INDICATED BY THE EXPIRATION DATE ON THE CARTRIDGE, IS PROHIBITED.
- ADHESIVE ANCHORS SHALL BE INSTALLED BY QUALIFIED PERSONNEL TRAINED TO INSTALL ADHESIVE ANCHORS IN ACCORDANCE WITH THE SPECIFICATIONS (ALT. CONTRACT DOCUMENTS), BOTH POST-INSTALLED EXPANSION AND ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI).
- ADHESIVE ANCHORS WITH DIAMETER GREATER THAN 3/8- INCH INSTALLED IN ORIENTATIONS FROM HORIZONTAL TO VERTICAL SHALL EMPLOY A PISTON PLUG FOR THE ADHESIVE INJECTION.
- INSTALLATION OF ADHESIVE ANCHORS IN ORIENTATIONS FROM HORIZONTAL TO VERTICAL TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY THE ACI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM OR EQUIVALENT.
- THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT REQUIRED TO INSTALL THE EXPANSION AND/OR ADHESIVE ANCHOR INCLUDING, BUT NOT LIMITED TO, DRILLS, SETTING TOOLS, CLEAN-OUT BRUSHES, BLOWOUT BULBS, OIL-FREE COMPRESSED AIR, VACUUMS, WRENCHES, ETC.
- UNLESS OTHERWISE SPECIFIED, ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH A ROTARY IMPACT HAMMER DRILL OR, WHERE NOT OTHERWISE PROSCRIBED, A ROCK DRILL. WHERE SPECIFIED AND WHERE PERMITTED BY THE MPI, HOLES MAY BE DRILLED WITH A DIAMOND CORE DRILL. IN ALL CASES, THE BIT DIAMETER SHALL BE IN ACCORDANCE WITH THE MPI.
- ANCHOR HOLES SHALL BE THOROUGHLY CLEANED IN ACCORDANCE WITH THE PROCEDURES SPECIFIED IN THE MPI PRIOR TO ADHESIVE INJECTION.
- DRILLED AND CLEANED ANCHOR HOLES SHALL BE PROTECTED FROM CONTAMINATION AND WATER (E.G. RAIN) UNTIL THE ADHESIVE IS INSTALLED.
- A DRILLED ANCHOR HOLE SHALL BE RE-CLEANED JUST PRIOR TO ADHESIVE INJECTION IF, IN THE OPINION OF THE ENGINEER, INSPECTOR, OR OWNER'S REPRESENTATIVE, THE HOLE HAS BECOME CONTAMINATED AFTER INITIAL CLEANING.
- ADHESIVE SHALL BE INJECTED IN ACCORDANCE WITH THE MPI USING EQUIPMENT AND PROCEDURES AS SPECIFIED THEREIN FOR THE SPECIFIC CONDITIONS ASSOCIATED WITH THE INJECTION. THIS SHOULD BE CLEARLY SPECIFIED IN THE MPI. IF NOT, ANOTHER PRODUCT SHOULD BE SPECIFIED.
- ANCHOR ELEMENTS TO BE INSTALLED IN THE ADHESIVE SHALL BE CLEAN, OIL-FREE, AND FREE OF LOOSE RUST, PAINT, OR OTHER COATINGS. THREADS ON THE PROJECTING PORTION OF THE ANCHOR ELEMENT SHALL BE PROTECTED FROM ADHESIVE CONTAMINATION.
- INSTALLED ADHESIVE ANCHORS SHALL BE SECURELY FIXED IN-PLACE TO PREVENT DISPLACEMENT WHILE THE ADHESIVE CURES. UNLESS SHOWN OTHERWISE ON THE DRAWINGS, ANCHORS SHALL BE INSTALLED PERPENDICULAR TO THE CONCRETE SURFACE. ANCHORS DISPLACED BEFORE FULL ADHESIVE CURE SHALL BE CONSIDERED DAMAGED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- POST-INSTALLED REINFORCING BARS OR ALL-THREADED BARS SHALL NOT BE BENT AFTER BEING INSTALLED.

**SUSPENSION FROM ROOF STRUCTURE:**

- SUBCONTRACTORS INSTALLING CONDUIT, PIPING, OR EQUIPMENT SUSPENDED FROM THE STRUCTURE SHALL ATTEND A PRE-CONSTRUCTION MEETING.
- ATTACHMENT TO METAL DECK, BRIDGING OR JOIST STRUTS IS PROHIBITED.
- HANGER ATTACHMENT TO STEEL BAR JOIST:
  - PIPE HANGERS SHALL BE ATTACHED TO BOTTOM CHORDS OF JOISTS AT PANEL POINTS WITH APPROVED STEEL WASHER PLATES AND DOUBLE NUTS ONLY IF CONCENTRATED LOADS ARE SHOWN ON THE STRUCTURAL DRAWINGS.
  - PIPE HANGERS SHALL BE ATTACHED TO TOP CHORDS OF BAR JOISTS AT PANEL POINTS WITH APPROVED UNDER DECK "CC-CLAMPS"
  - IF HANGERS CANNOT BE INSTALLED WITH 3" OF PANEL POINTS, THE JOIST SHALL BE REINFORCED AS SHOWN ON STRUCTURAL DRAWINGS.
- PIPE HANGERS SHALL BE ATTACHED TO BOTTOM FLANGES OF WIDE FLANGE BEAMS, I-BEAMS, AND CHANNELS WITH APPROVED "BEAM CLAMPS" AND "CHANNEL CLAMPS".
- ALL SINGLE OR MULTIPLE TIER CABLE TRAYS, PIPE RACKS OR GROUPS OF DUCTS PERPENDICULAR TO THE JOISTS SHALL BE SUPPORTED FROM EACH BAR JOIST AND BEAM. SUCH A SYSTEM PARALLEL TO JOISTS SHALL BE ATTACHED TO TWO ADJACENT JOISTS AT 8'-0" O.C.
- INDIVIDUAL PIPES UP TO 6" IN DIAMETER SHALL BE SUPPORTED FROM ALTERNATE JOISTS WHEN PIPES ARE PERPENDICULAR TO THE JOIST AND AT 10'-0" O.C. MAXIMUM, WHEN PIPES ARE PARALLEL TO THE JOISTS, INDIVIDUAL PIPES LARGER THAN 6" SHALL BE SUPPORTED AT EACH BAR JOIST WHEN PIPES ARE PERPENDICULAR TO THE JOIST AND AT 10'-0" O.C. MAXIMUM, WHEN PIPES ARE PARALLEL TO THE JOISTS.
- HANGERS SHALL BE ADDED AT PANEL POINTS AT ALL LOCATIONS WHERE VALVES OR FITTINGS OCCUR.
- ROUTING OF PIPES AND CONDUIT SHALL BE COORDINATED BY THE CONTRACTOR.

**METAL ROOF DECK:**

- METAL ROOF DECK SHALL COMPLY WITH THE REQUIREMENTS OF THE STEEL DECK INSTITUTE SPECIFICATIONS AND COMMENTARY FOR STEEL ROOF DECK, CURRENT EDITION.
- THE STEEL DECK WORK SHALL CONSIST OF FURNISHING EVERYTHING (LABOR, MATERIALS, ACCESSORIES, EQUIPMENT, ETC.) NECESSARY AND INCIDENTAL TO THE EXECUTION AND COMPLETION OF ALL STEEL DECK WORK AS INDICATED AND SPECIFIED ON THE DRAWINGS.
- SUBMIT PLACEMENT AND DETAILED ("SHOP") DRAWINGS FOR REVIEW. NO STEEL DECK SHALL BE INSTALLED UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED AND RETURNED.
- STEEL DECK UNITS SHALL BE OF SUFFICIENT LENGTH TO ACCOMMODATE THREE SPAN INSTALLATION PER STANDARDS ESTABLISHED BY THE STEEL DECK INSTITUTE.
- METAL ROOF DECK SHALL BE OF THE CONFIGURATION, DEPTH AND MINIMUM GAUGE SHOWN ON THE DRAWINGS. ATTACHMENT TO THE SUPPORTING STRUCTURE SHALL BE AS SHOWN ON THE DRAWINGS, AS A MINIMUM, SEE ROOF PLAN NOTES.
- DO NOT HANG OR SUPPORT ANY LOADS FROM THE METAL DECK.
- WHERE POSSIBLE, METAL DECK SHALL BE CONTINUOUS OVER A MINIMUM OF THREE SPANS. TWO SPAN DECK SHALL BE USED ONLY WHERE DECK LAYOUT DOES NOT PERMIT THE USE OF THREE SPANS. SINGLE SPAN DECK IS NOT PERMITTED.
- ROOF OPENINGS LESS THAN 6' SQUARE OR DIAMETER REQUIRE NO REINFORCEMENT. OPENINGS 6' TO 10', INCLUSIVE, SHALL BE REINFORCED WITH A 20 GAUGE GALVANIZED PLATE WELDED TO THE DECK AT EACH CORNER AND 6" MAXIMUM CENTERS WITH A 5/8" DIAMETER PUDDLE WELD OR SHEET METAL SCREWS. SEE DRAWINGS FOR REINFORCEMENT OF OPENINGS LARGER THAN 10'.



**HUSSEY GAY BELL**  
— *Established 1958* —

3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096 T: 770.923.1400

REVISIONS:

DESIGNED	DRAWN	CHECKED
KAG	KAG	BJH

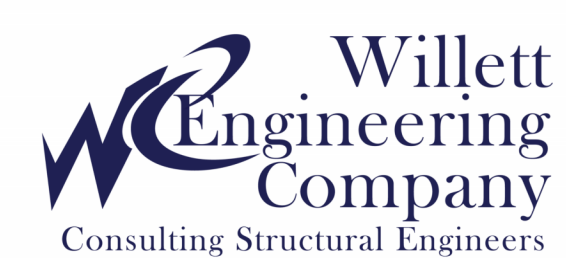
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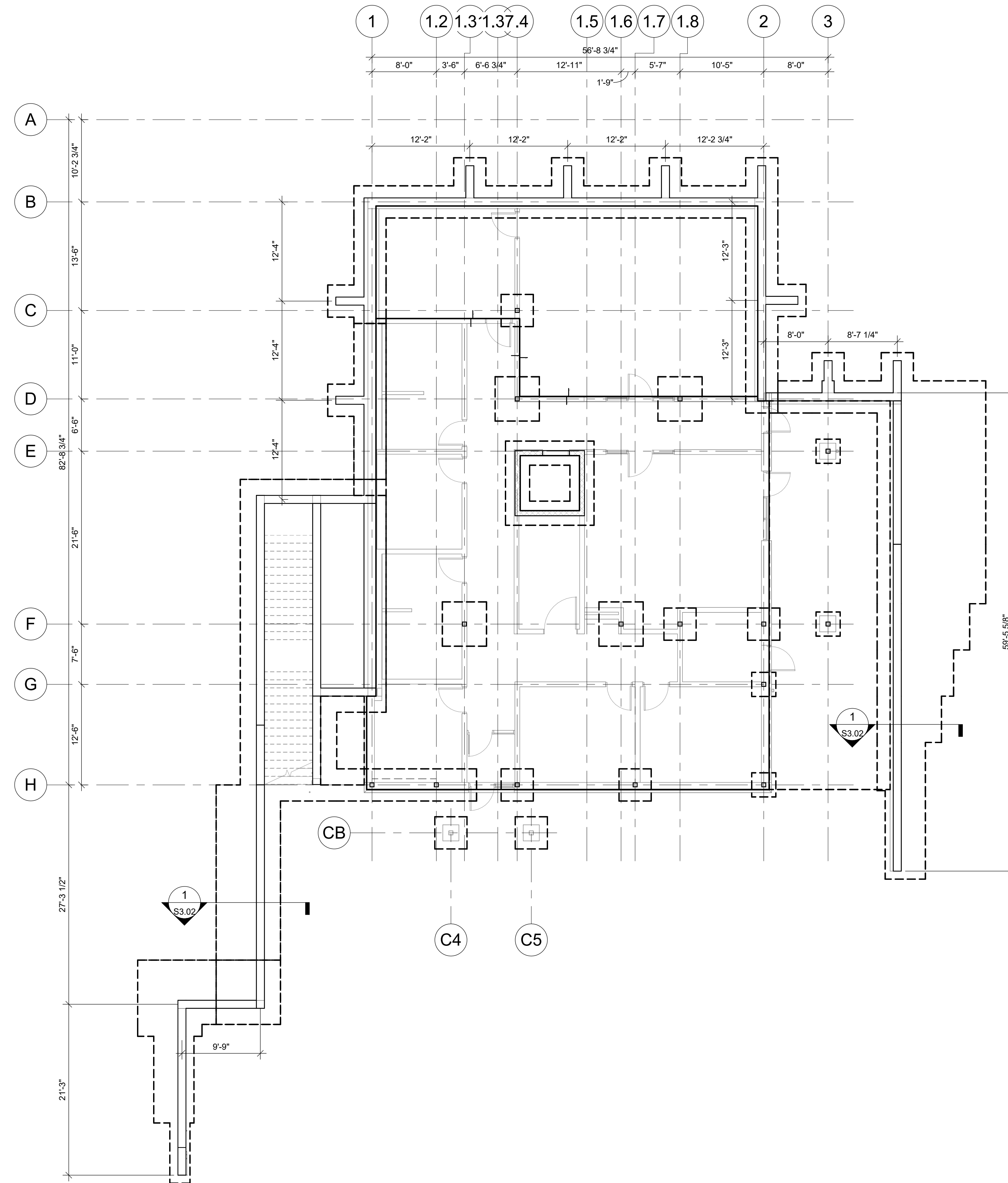
12/06/2024

**NEW 911 CENTER FOR UNION COUNTY**  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**GENERAL NOTES**

DRAWING NUMBER  
**S0.02**



3528 Habersham at Northlake  
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**1**  
S1.01 **OVERALL FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"

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REVISIONS: ▽

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
KAG	KAG	BJH
DATE: 12/06/2024		
JOB NO. 624 1109 01		
12/06/2024		

**NEW 911 CENTER FOR UNION COUNTY**  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**OVERALL FOUNDATION PLAN**

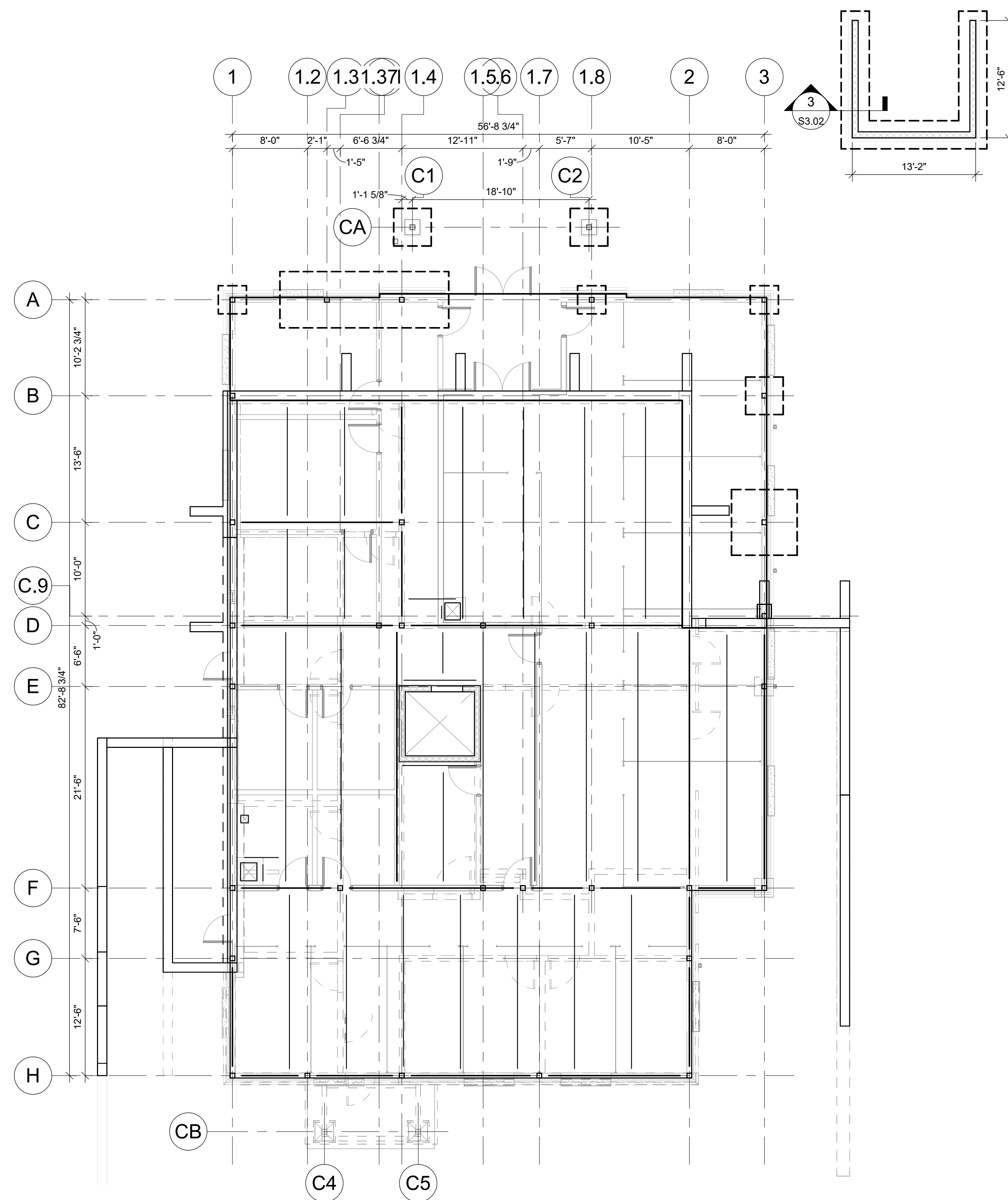
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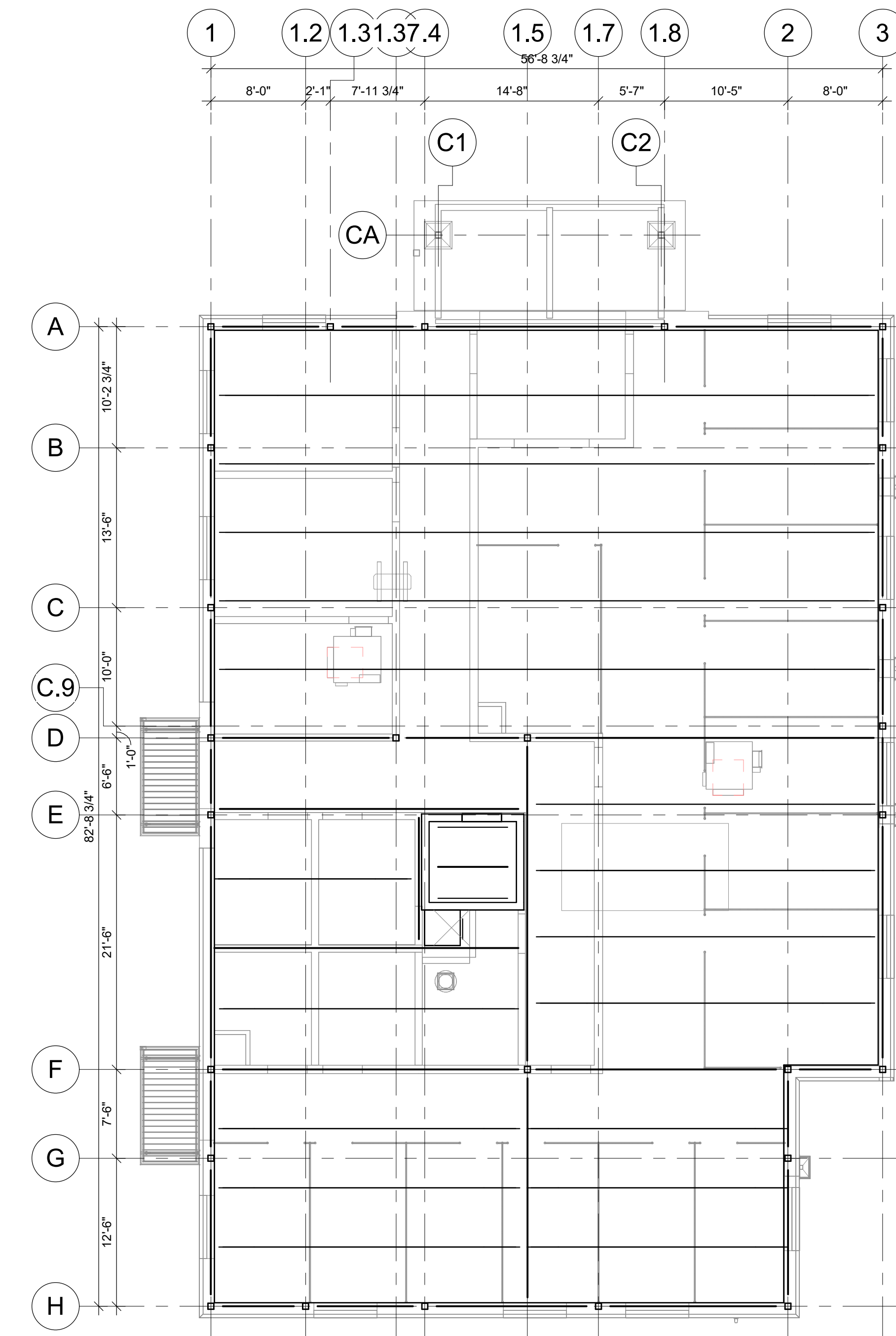
**W** Willett  
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**1**  
S2.01 **OVERALL FLOOR FRAMING PLAN**  
SCALE: 1/8" = 1'-0"



**2**  
S2.01 **OVERALL ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

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REVISIONS:

NO.	DATE	DESCRIPTION

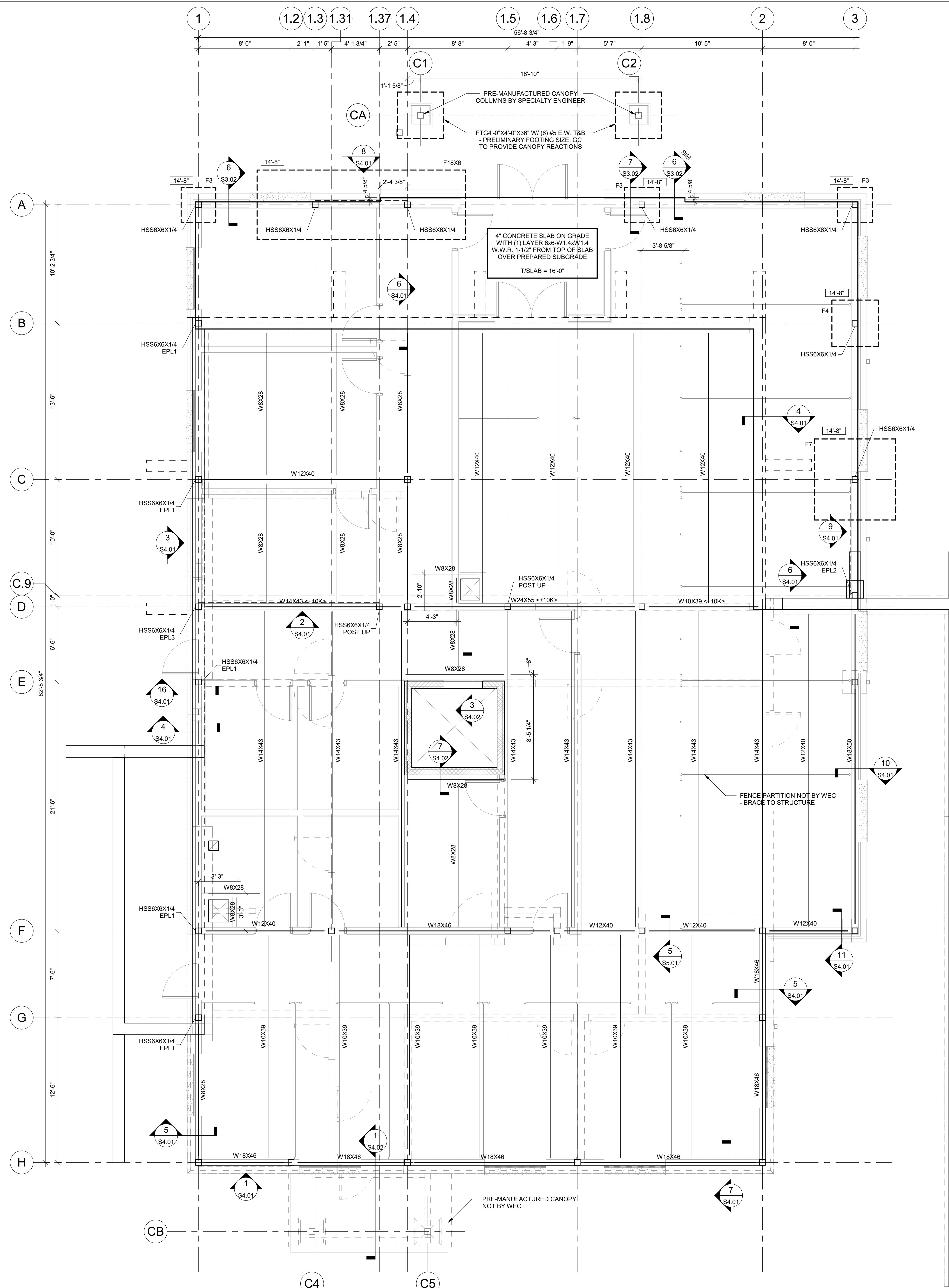
DESIGNED	DRAWN	CHECKED
KAG	KAG	BJH
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**NEW 911 CENTER FOR UNION COUNTY**  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**OVERALL FRAMING PLANS**

DRAWING NUMBER

**S2.01**

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**FLOOR FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"

**FOUNDATION PLAN NOTES:**

- TOP OF ALL EXTERIOR FOOTINGS SHALL BE -1'-4" BELOW FINISHED FLOOR, U.N.O.
- TOP OF ALL INTERIOR FOOTINGS SHALL BE 0'-8" BELOW FINISHED FLOOR, U.N.O.
- REFER TO ARCH. AND CIVIL DRAWINGS FOR LOCATION OF MOISTURE BARRIER, CURBS, EXTERIOR SLABS, DRAINAGE, RAMP, STEPS, WALKS, ETC.
- BUILDING SLAB IS NOT DESIGNED TO SUPPORT CRANE LOADS, CONCRETE MIXING TRUCKS, OR OTHER SPECIFIC CONSTRUCTION LOADINGS.
- FOOTINGS SHALL BE CENTERED ON THE CENTERLINE OF THE WALL AND/OR COLUMNS, U.N.O.
- COORDINATE LOCATION OF LOWERED FOOTINGS WITH PLUMBING DRAWINGS.
- REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN. COORDINATE SLAB ELEVATIONS AND SLOPES WITH ARCHITECTURAL PLANS.
- REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR SIZE AND LOCATION OF SLAB AND FOUNDATION PENETRATIONS.
- THICKEN SLAB TO MAINTAIN THE SLAB THICKNESS AROUND FLOOR BOXES AND CONDUIT.

**FOUNDATION PLAN LEGEND**

- INDICATES STEP IN FOUNDATION (SEE STEPPED FOOTING DETAIL)
- INDICATES ATYPICAL TOP OF FOOTING ELEVATION
- INDICATES A STEP IN THE SLAB ON GRADE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCEMENT
4	4'-0"	4'-0"	3'-0"	(5) #5 E.W.
F4	3'-0"	3'-0"	1'-4"	(4) #5 E.W.
F4	4'-0"	4'-0"	1'-4"	(5) #5 E.W.
F5.5	5'-6"	5'-6"	1'-4"	(7) #5 E.W.
F7	7'-0"	7'-0"	1'-4"	(8) #5 E.W.
F18x4	18'-0"	4'-0"	1'-4"	#5 @ 10" O.C. E.W. T&B
F18x6	18'-0"	6'-0"	1'-4"	#5 @ 10" O.C. E.W. T&B

**FLOOR FRAMING PLAN NOTES**

- DECK SHALL BE 3" NW CONCRETE ON 2" VLI 22 GA. GALV. COMPOSITE METAL DECK (5" TOTAL THICKNESS) U.N.O. W/ (1) LAYER 6x6 W/ 1" WWR 1"1/2" BELOW T/S LAB. BEAMS SHALL BE SPACED AT 6'-6" O.C. MAX. ATTACH DECK TO SUPPORTING MEMBER WITH 5/8" DIA. PUDDLE WELDS IN A 36/4 PATTERN WITH (2) #10 SCREWS PER SDE LAP.
- T/S LAB = 16'-0" U.N.O.
- DO NOT CUT CONTROL JOINTS IN ELEVATED SLABS. PROVIDE #4x4'-0" DOWELS @ 12" O.C. AT GIRDERS.
- DO NOT PLACE CONDUIT IN ELEVATED SLABS.
- VERIFY AND COORDINATE EQUIPMENT WITH MEP DRAWINGS FOR EXACT SIZE AND LOCATION. CONTACT ARCHITECT AND E.O.R. IF DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL AND MEP DRAWINGS AND INFORMATION SHOWN ON STRUCTURAL PLANS.
- REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR SIZE AND LOCATION OF DECK PENETRATIONS.

**FLOOR FRAMING PLAN LEGEND:**

- INDICATES BEAM SPLICE (SEE BEAM SPLICE DETAIL)
- INDICATES AXIAL ASD (0.8W OR 0.7EQ) LOAD TO BE INCORPORATED INTO MEMBERS AND CONNECTION DESIGN
- DENOTES MOMENT CONNECTION



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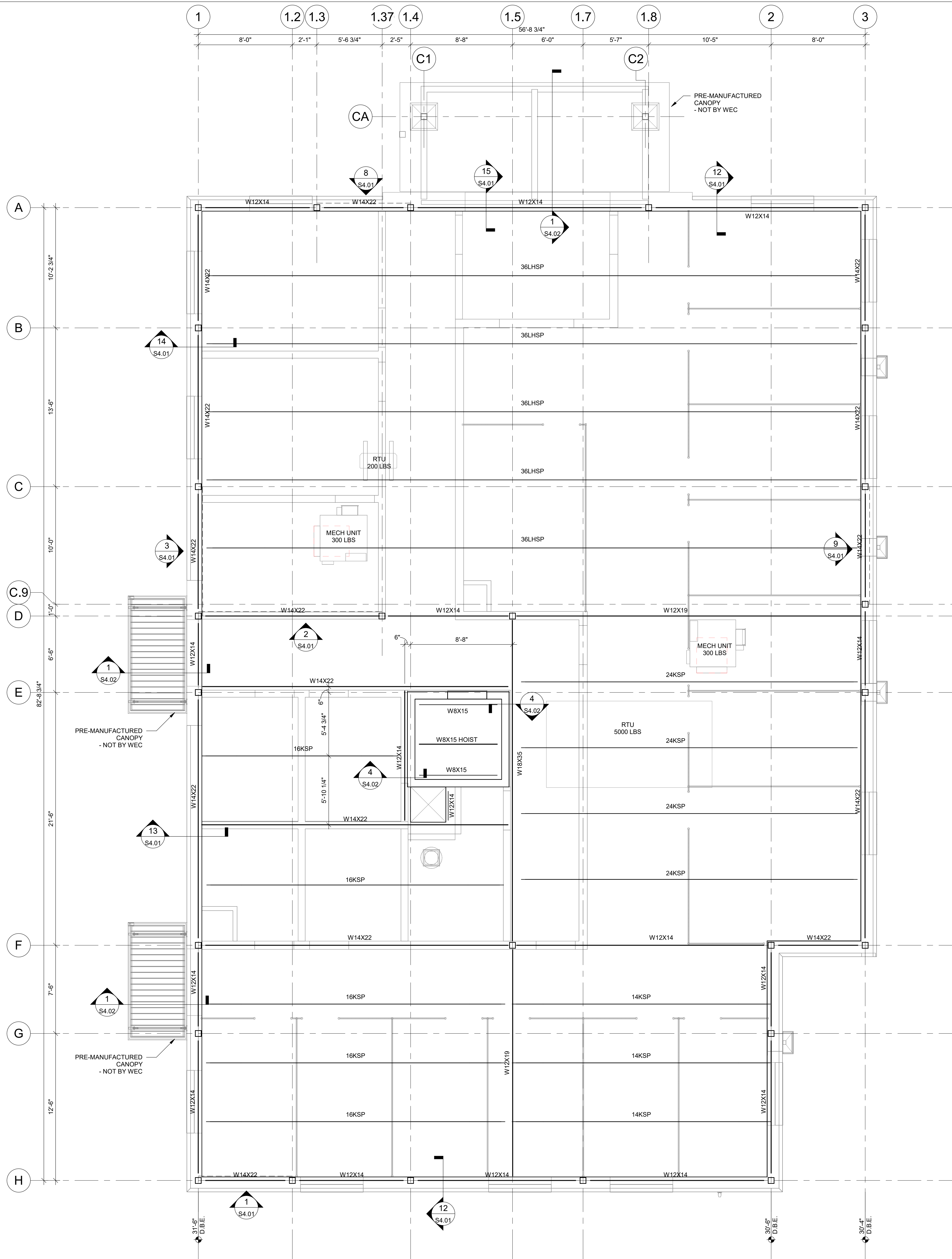
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**FLOOR FRAMING PLAN**

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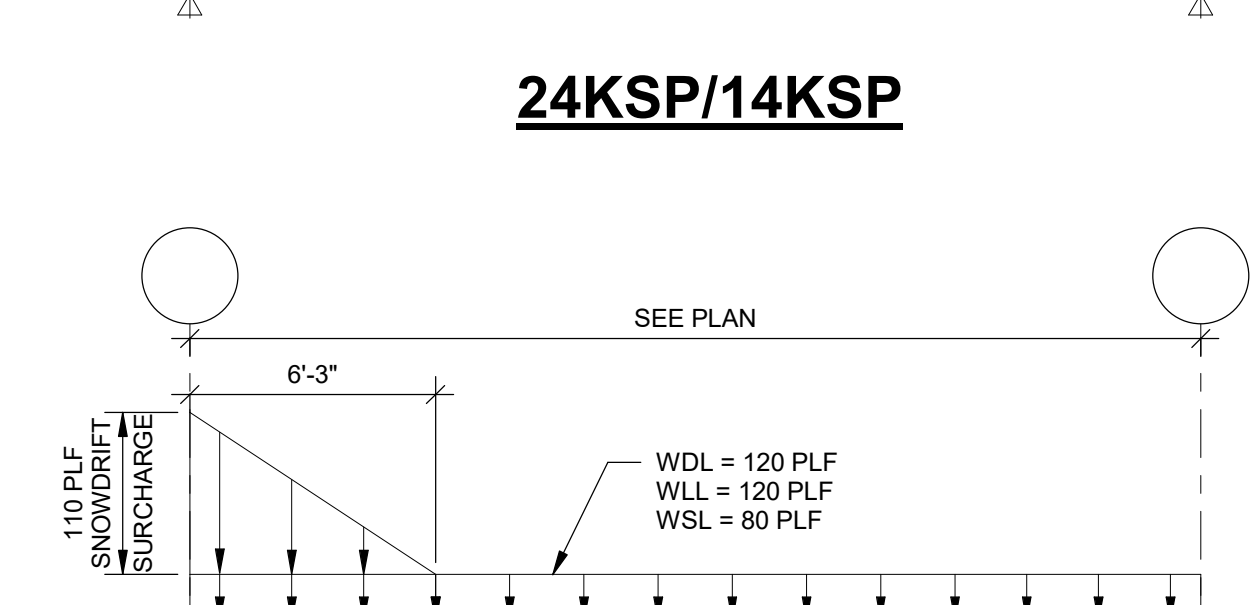
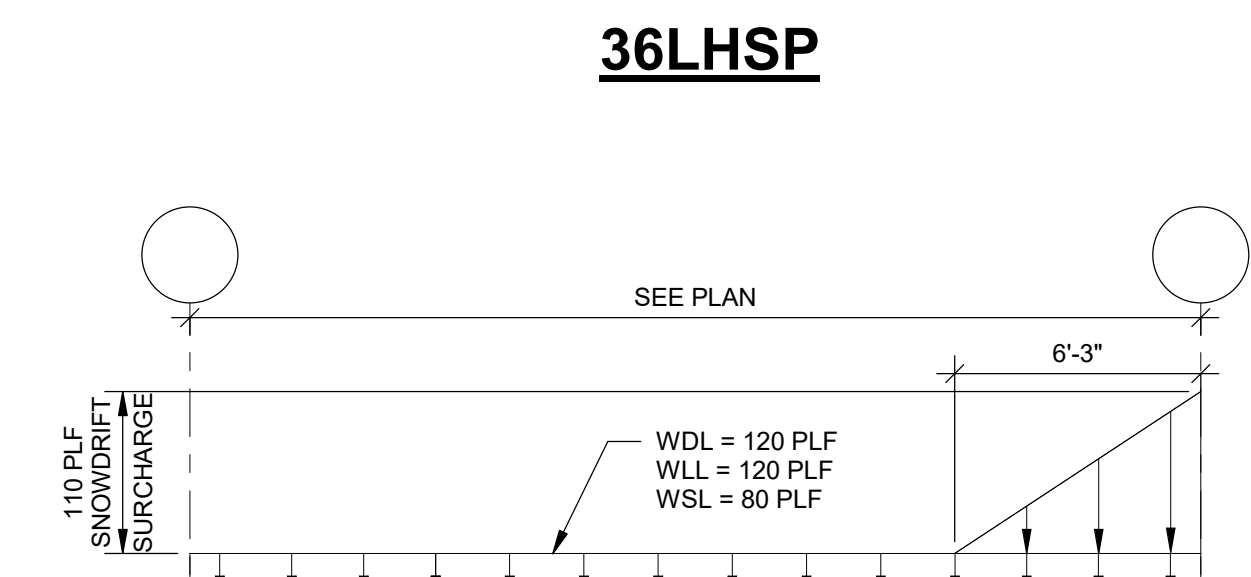
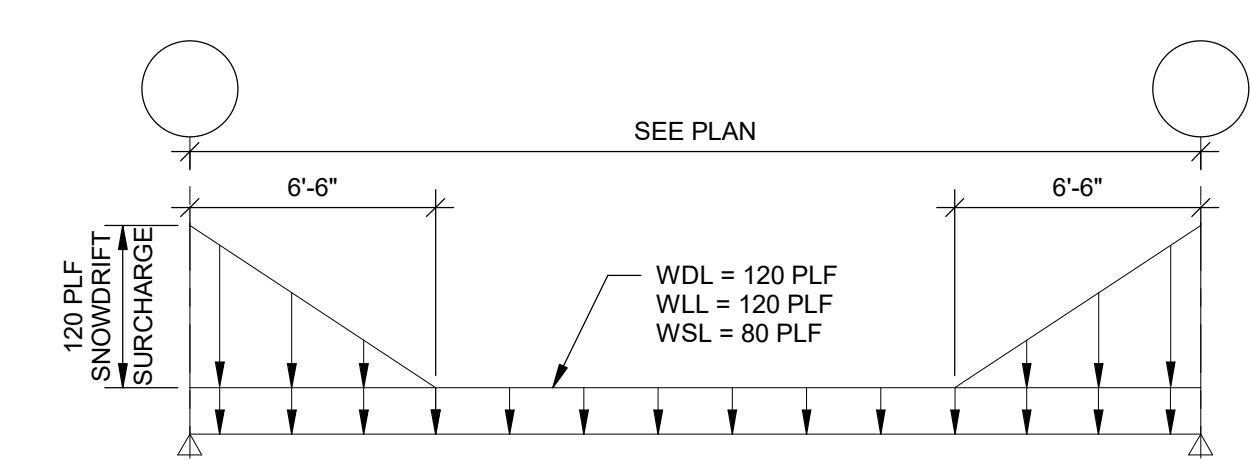
**S2.02**

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- ROOF FRAMING PLAN NOTES**
- ROOF DECK SHALL BE 1-1/2" WIDE RIB (TYPE B) ROOF DECK ATTACHED TO SUPPORTING MEMBERS W/ 5/8" DIA. PUDDLE WELDS IN A 3/64" PATTERN WITH (2) #10 SCREWS PER SIDELAP U.N.O. ATTACH PERIMETER @ 6" O.C.
  - ROOF IS NOT DESIGNED TO SUPPORT ANY FUTURE ROOF TOP EQUIPMENT - WHAT IS INDICATED ON THIS DRAWING SHALL BE INCORPORATED INTO THE DESIGN BY THE JOIST MFR.
  - VERIFY AND COORDINATE ROOF TOP EQUIPMENT WITH MEP DRAWINGS FOR EXACT SIZE AND LOCATION. CONTACT ARCHITECT AND E.O.R. IF DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL AND MEP DRAWINGS AND INFORMATION SHOWN ON STRUCTURAL PLANS.
  - "SP" DENOTES SPECIAL JOIST DESIGN. SEE SPECIAL JOIST DIAGRAM AND SCHEDULE FOR LOADING.
  - JOIST REACTIONS SHOWN ON THE PLAN ARE ADDITIVE TO THE JOIST DESIGNATION REACTION.
  - REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR SIZE AND LOCATION OF DECK PENETRATIONS.
  - JOIST MFR SHALL DESIGN JOISTS FOR SPRINKLER PIPE LOADS. REFERENCE FIRE PROTECTION FOR PIPE SIZES AND LOCATIONS.

- ROOF FRAMING PLAN LEGEND:**
- INDICATES BEAM SPLICE (SEE BEAM SPLICE DETAIL)
  - <-XXX-> INDICATES AXIAL ASD (0.6W OR 0.7EQ) LOAD TO BE INCORPORATED INTO MEMBERS AND CONNECTION DESIGN
  - ◁ DENOTES MOMENT CONNECTION



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

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CONSTRUCTION DOCUMENT PACKAGE



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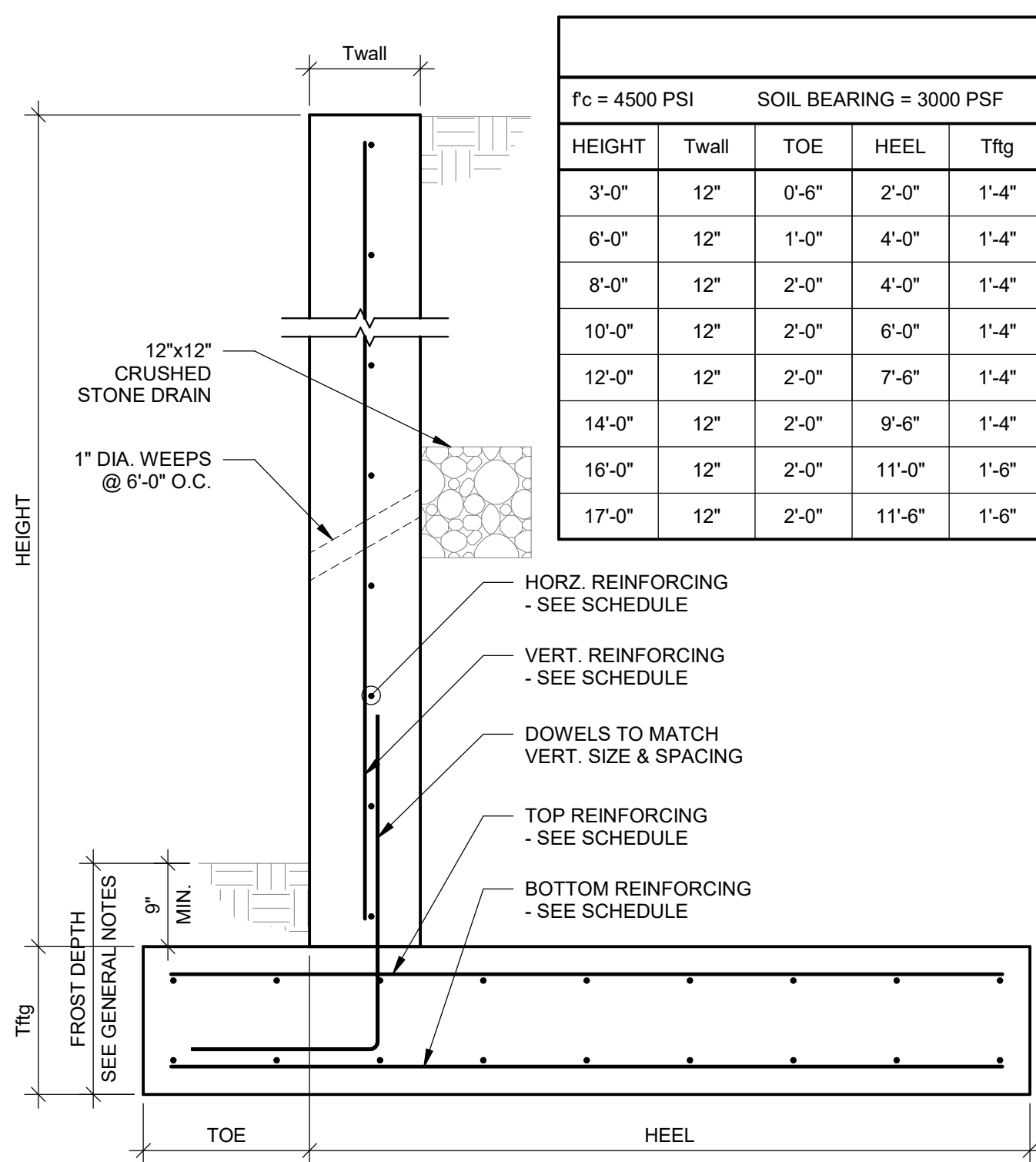
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**ROOF FRAMING PLAN**

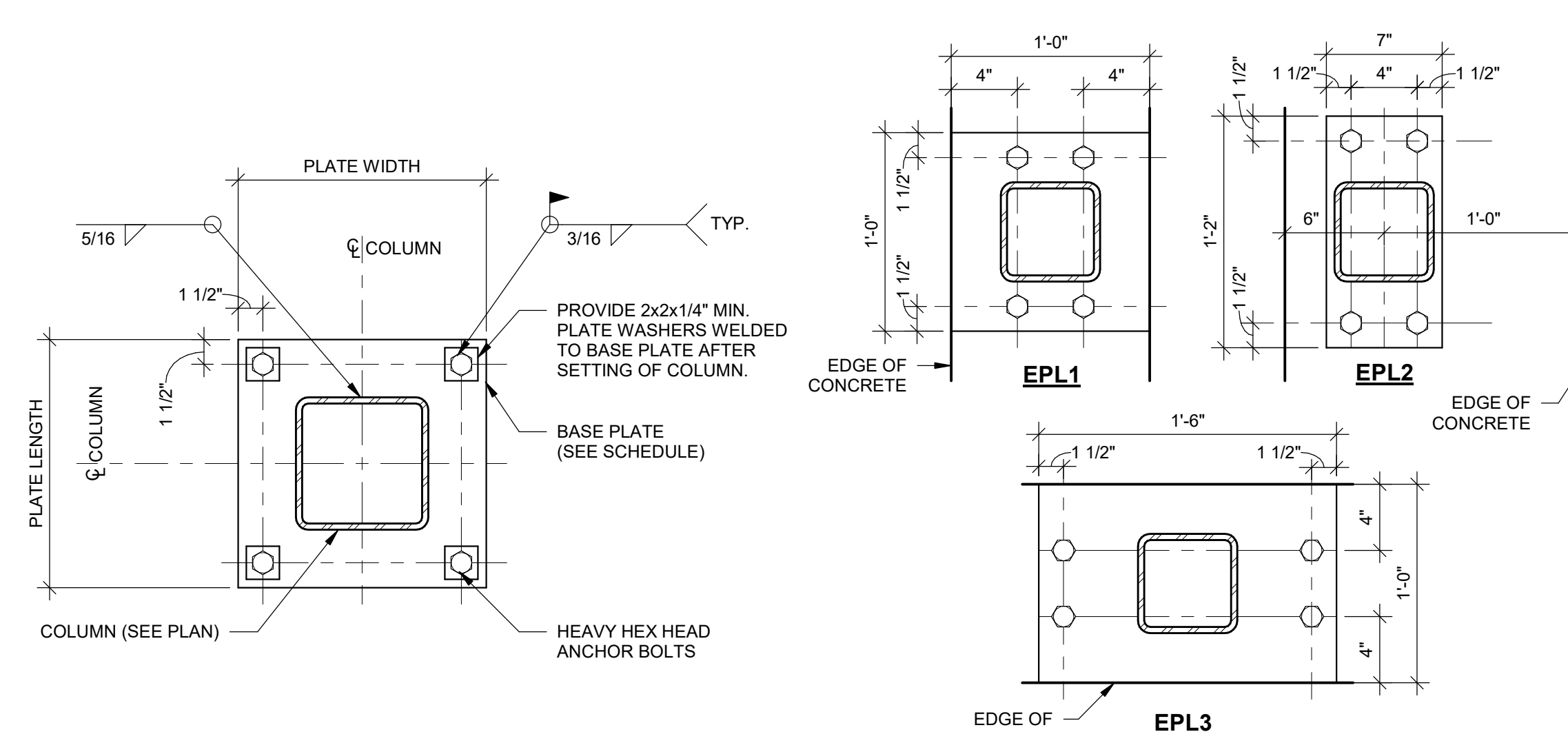
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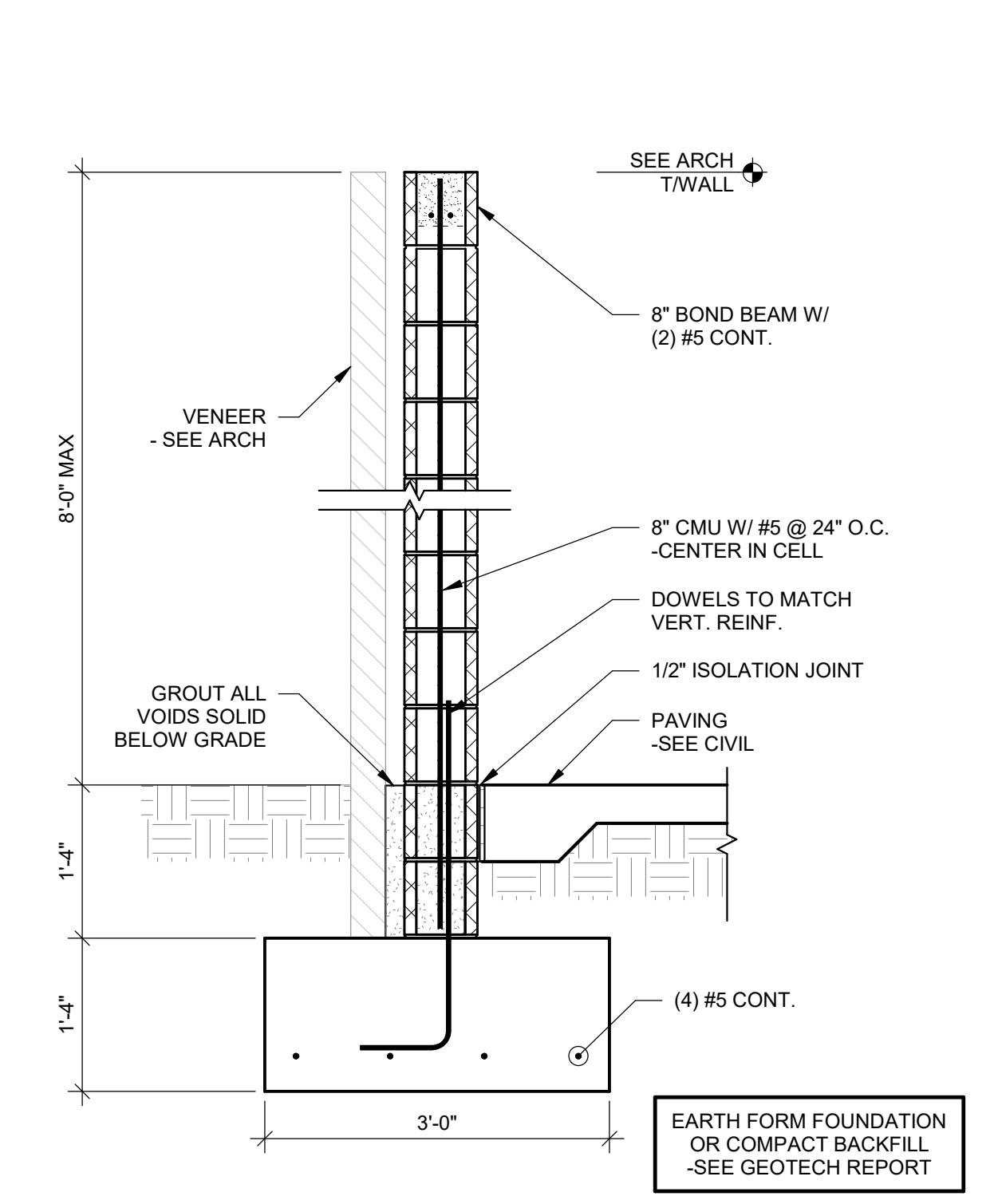


RETAINING WALL SCHEDULE								
HEIGHT	Twall	TOE	HEEL	Tftg	VERT. REINF.	HORZ. REINF.	TOP REINF.	BOTTOM REINF.
3'-0"	12"	0'-6"	2'-0"	1'-4"	#5 @ 12" O.C. CENT.	#5 @ 12" O.C. CENT.	NONE	#5 @ 10" O.C. LONG
6'-0"	12"	1'-0"	4'-0"	1'-4"	#5 @ 12" O.C. CENT.	#5 @ 12" O.C. CENT.	#5 @ 10" O.C. E.W.	#5 @ 10" O.C. LONG
8'-0"	12"	2'-0"	4'-0"	1'-4"	#5 @ 9" O.C. CENT.	#5 @ 12" O.C. CENT.	#5 @ 10" O.C. E.W.	#5 @ 10" O.C. LONG
10'-0"	12"	2'-0"	6'-0"	1'-4"	#5 @ 9" O.C. E.F.	#5 @ 12" O.C. E.F.	#5 @ 10" O.C. E.W.	#5 @ 10" O.C. LONG
12'-0"	12"	2'-0"	7'-6"	1'-4"	#5 @ 6" O.C. E.F.	#5 @ 12" O.C. E.F.	#5 @ 10" O.C. E.W.	#5 @ 10" O.C. LONG
14'-0"	12"	2'-0"	9'-6"	1'-4"	#6 @ 8" O.C. E.F.	#5 @ 12" O.C. E.F.	#5 @ 10" O.C. E.W.	#5 @ 10" O.C. E.W.
16'-0"	12"	2'-0"	11'-0"	1'-6"	#7 @ 6" O.C. E.F.	#5 @ 12" O.C. E.F.	#5 @ 8" O.C. E.W.	#5 @ 8" O.C. E.W.
17'-0"	12"	2'-0"	11'-6"	1'-6"	#7 @ 4" O.C. E.F.	#5 @ 12" O.C. E.F.	#5 @ 6" O.C. E.W.	#5 @ 6" O.C. E.W.



BASE PLATE SCHEDULE				
MARK	PLATE LENGTH	PLATE WIDTH	PLATE THICKNESS	ANCHOR BOLTS
HSS6x6	12"	12"	3/4"	(4) 3/4" DIA. x12" EMBED
BPL1	18"	18"	1"	(4) 1 1/4" DIA. x12" EMBED
BPL2	14"	14"	3/4"	(4) 1" DIA. x12" EMBED

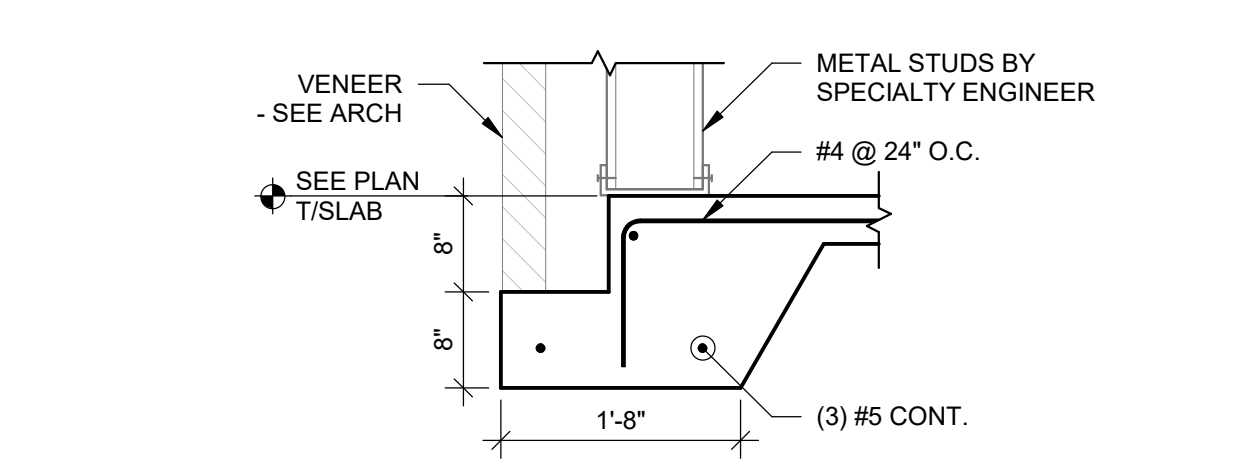
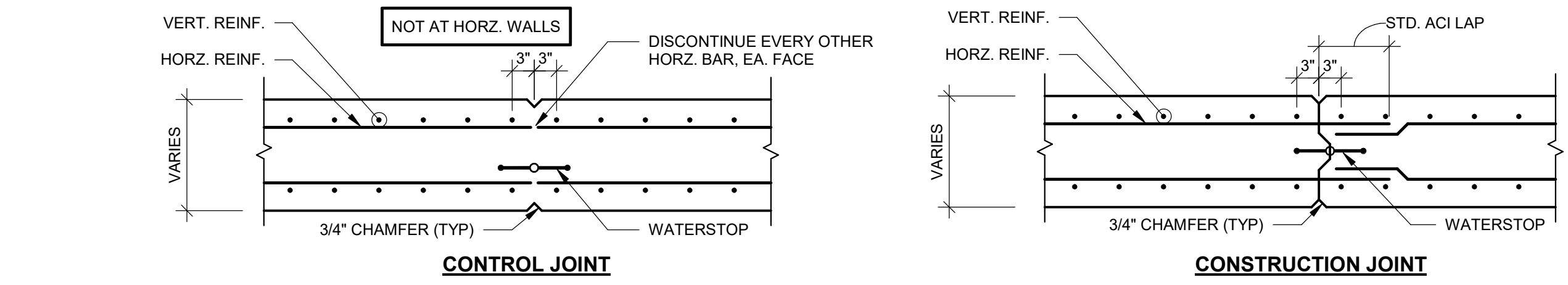
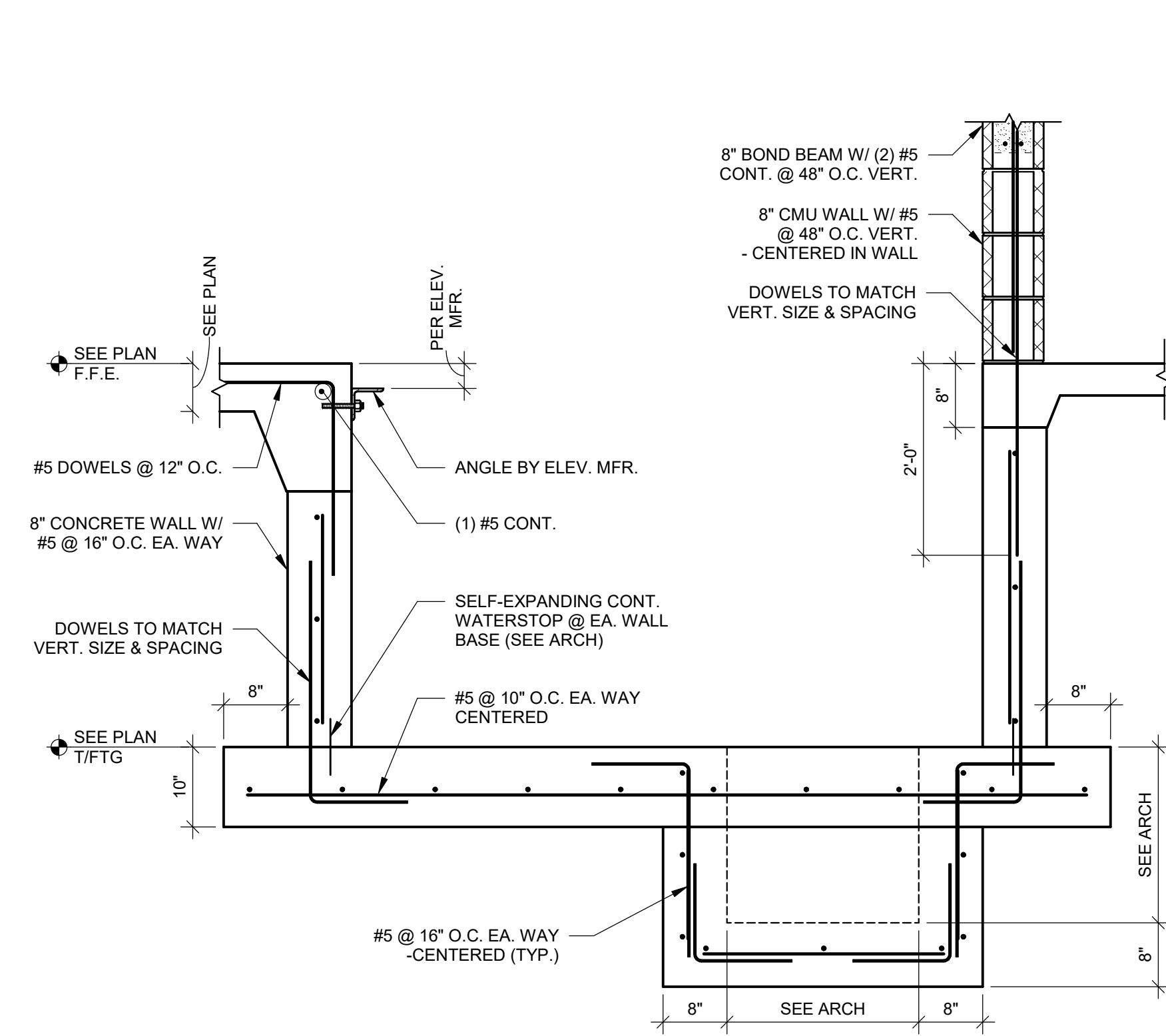
EMBED PLATE SCHEDULE				
MARK	PLATE LENGTH	PLATE WIDTH	PLATE THICKNESS	HEADED STUDS
EPL1	12"	12"	3/4"	(4) 3/4" DIA. x8" EMBED
EPL2	12"	12"	3/4"	(4) 3/4" DIA. x8" EMBED
EPL3	18"	12"	3/4"	(4) 3/4" DIA. x12" EMBED



1 S3.02 SCALE: 3/4" = 1'-0"

2 S3.02 SCALE: 1 1/2" = 1'-0"

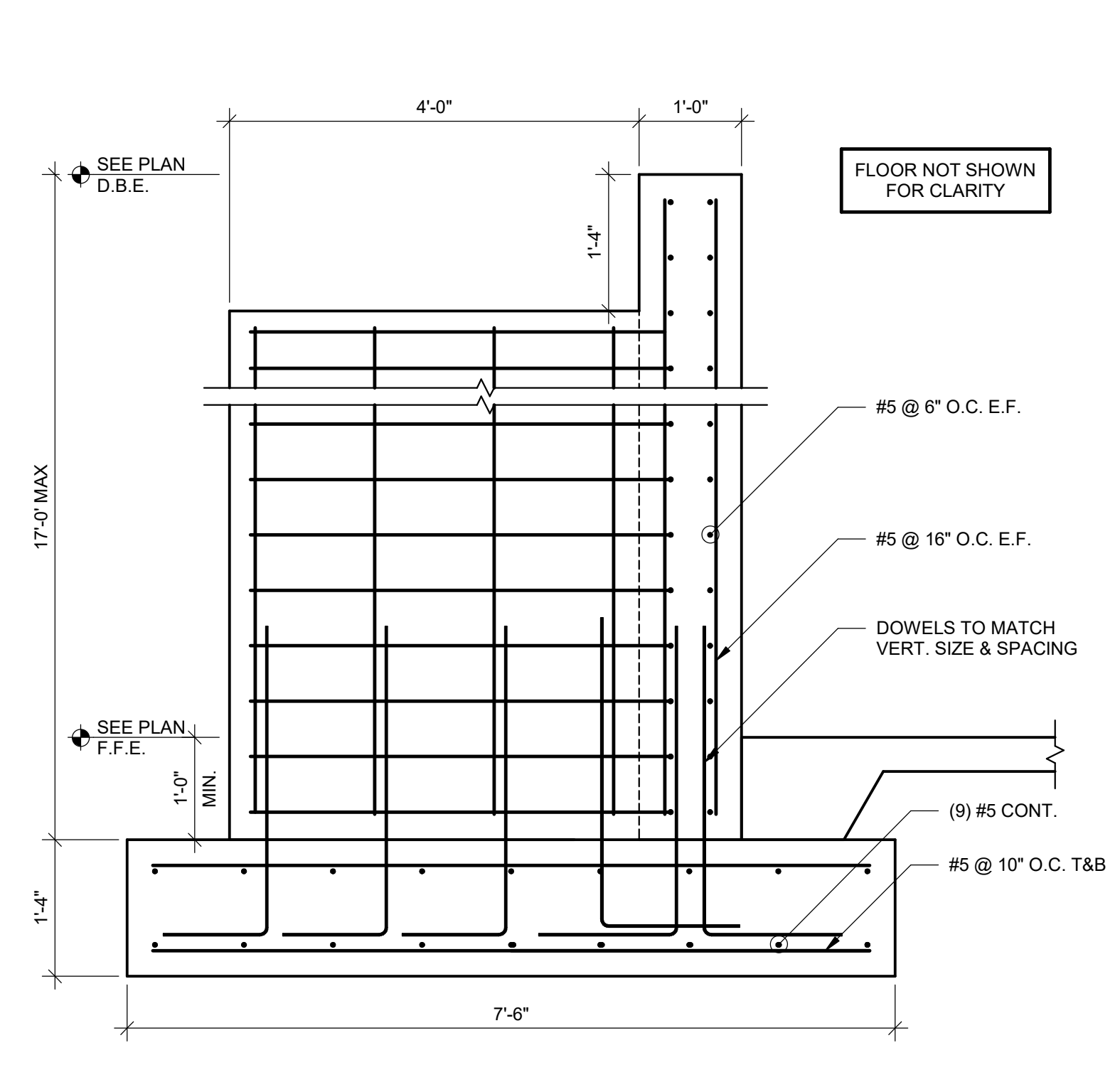
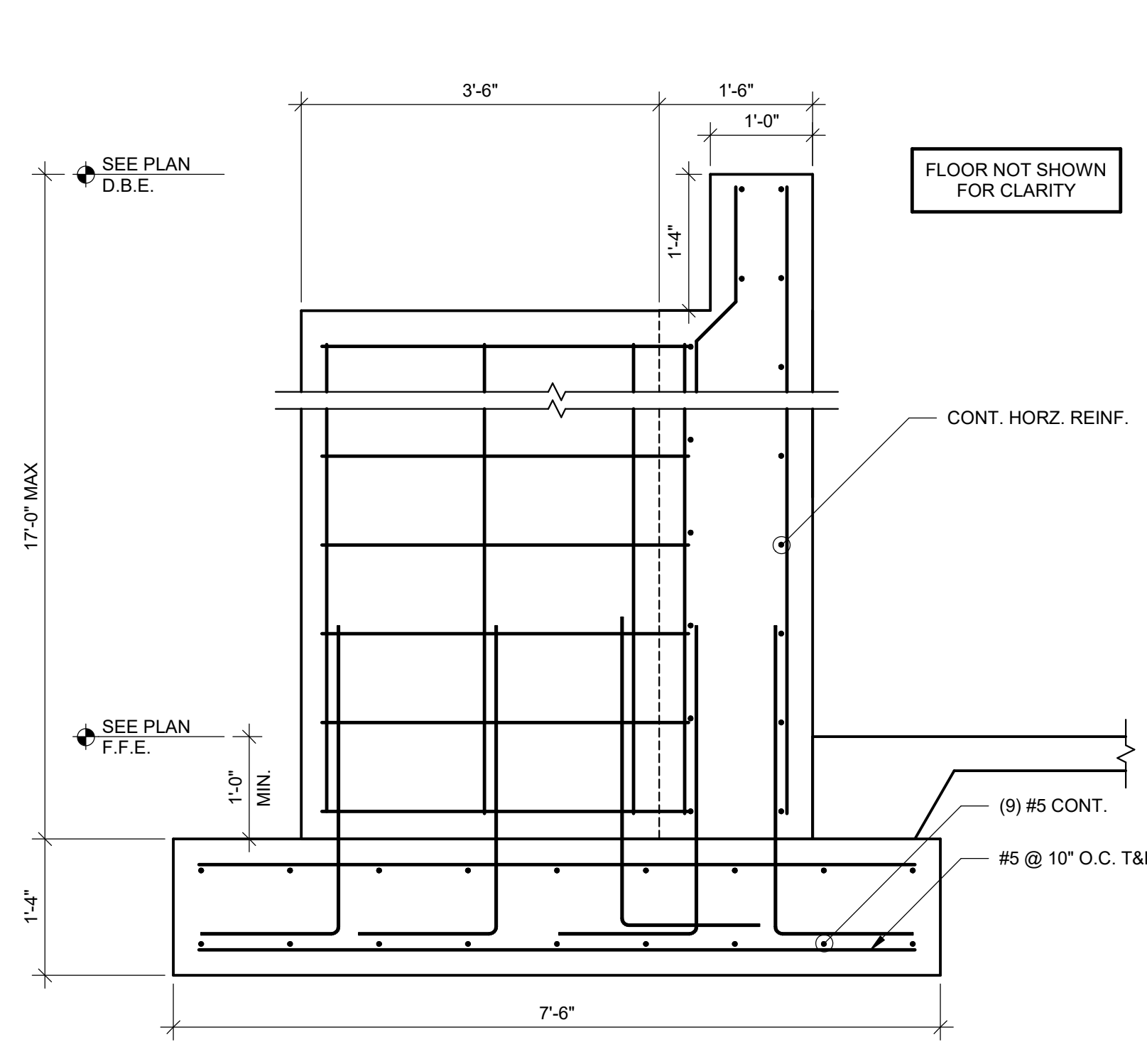
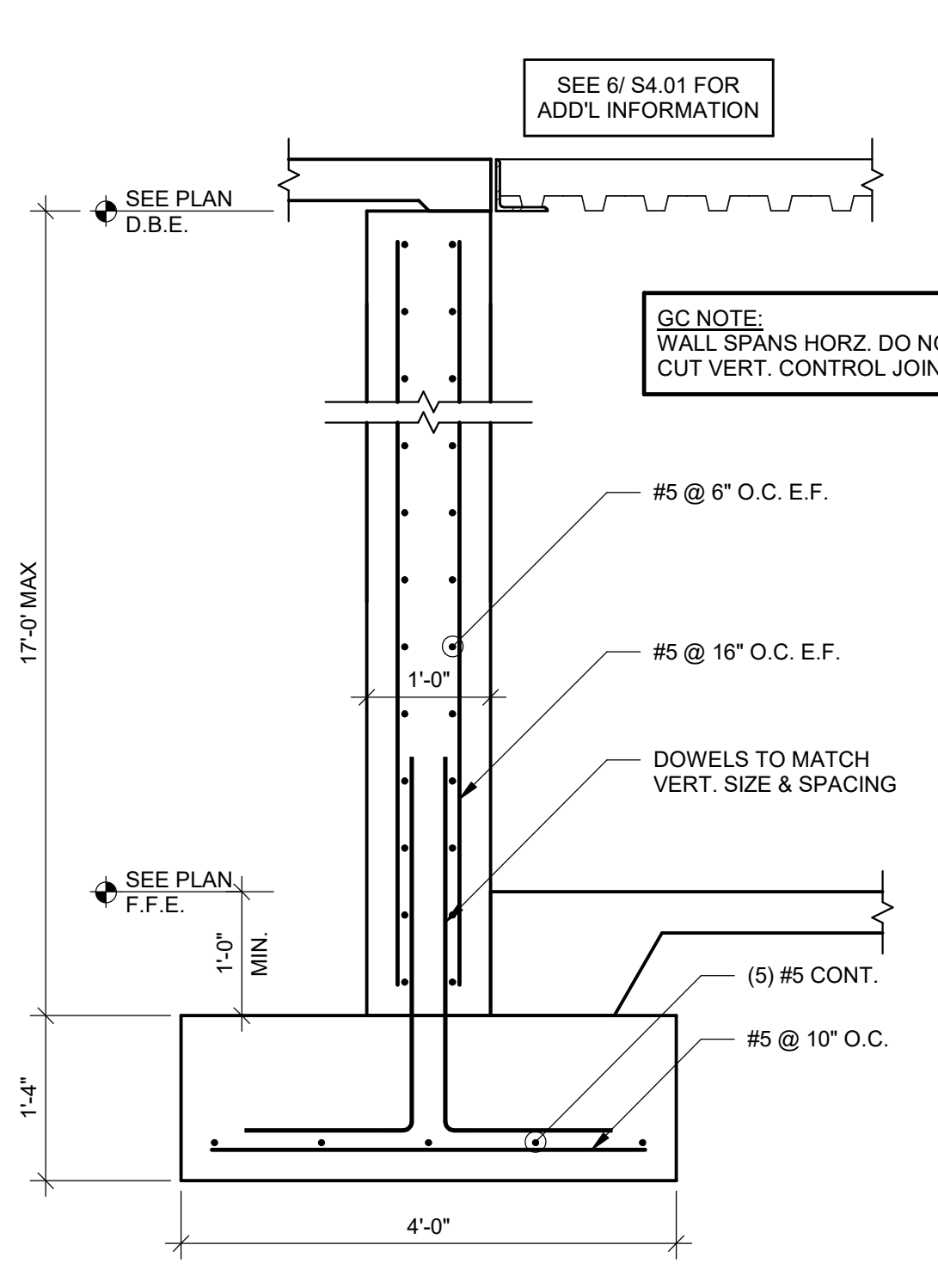
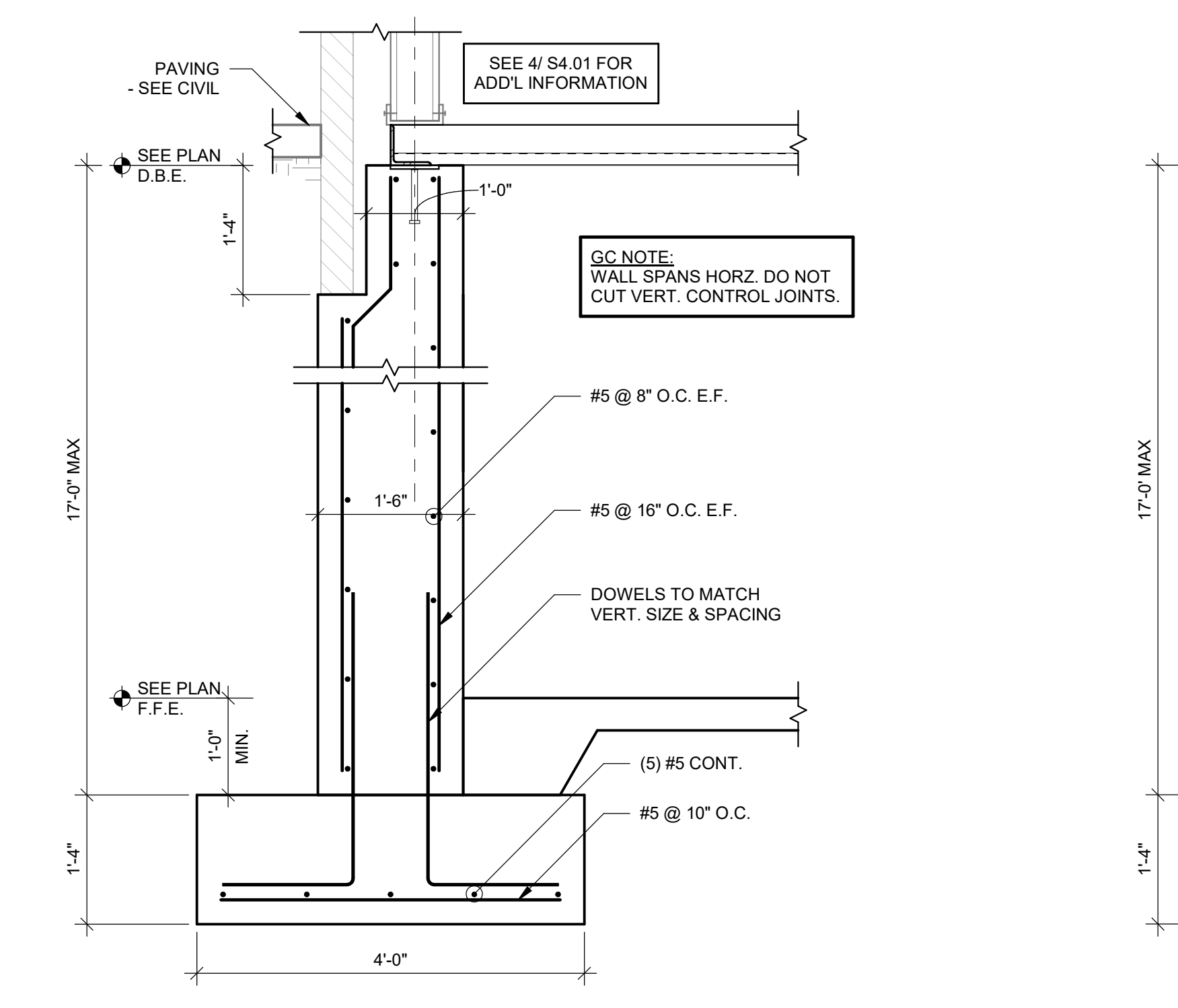
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4 S3.02 SCALE: 3/4" = 1'-0"

5 S3.02 SCALE: 3/4" = 1'-0"

6 S3.02 SCALE: 3/4" = 1'-0"



10 S3.02 SCALE: 3/4" = 1'-0"

11 S3.02 SCALE: 3/4" = 1'-0"

12 S3.02 SCALE: 3/4" = 1'-0"

13 S3.02 SCALE: 3/4" = 1'-0"



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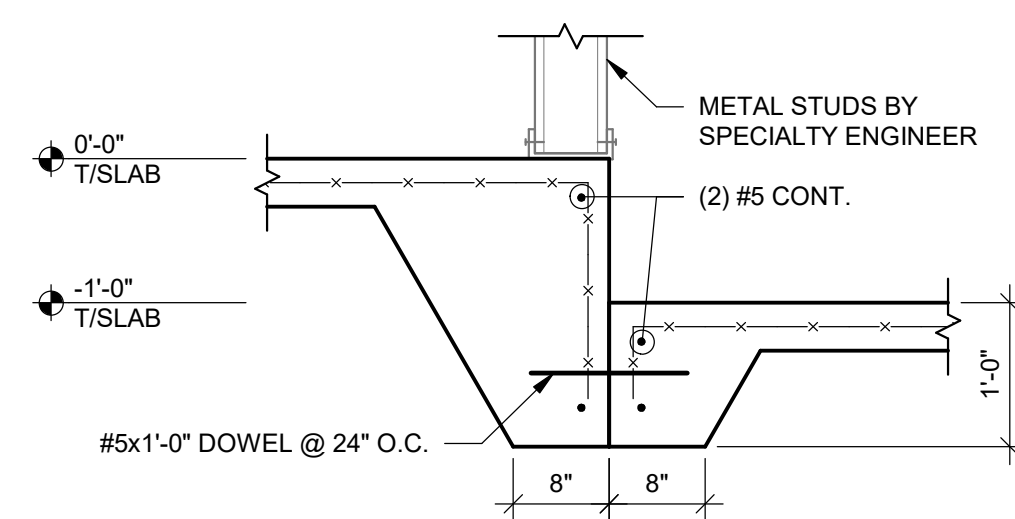
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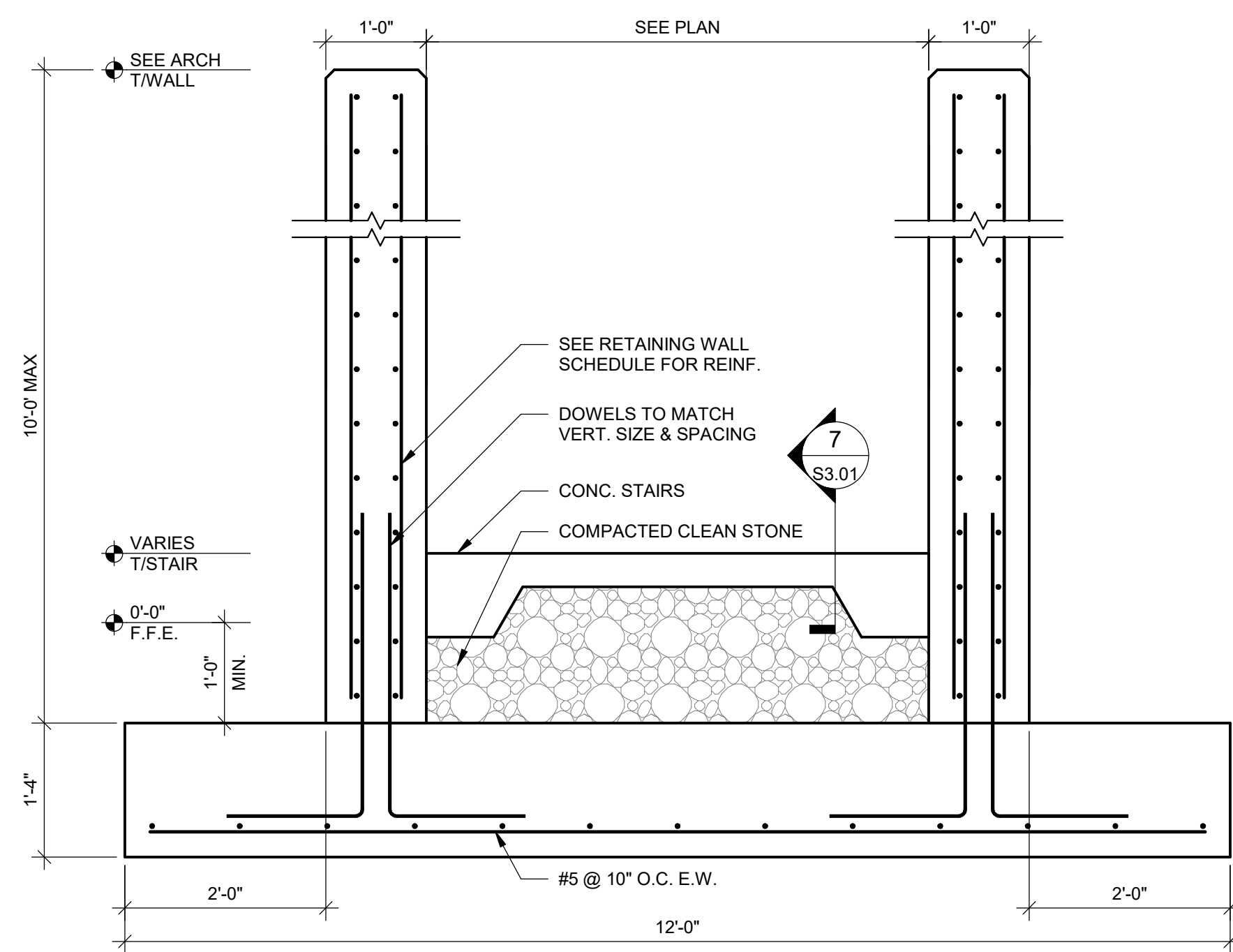
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FOUNDATION DETAILS

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**S3.02**

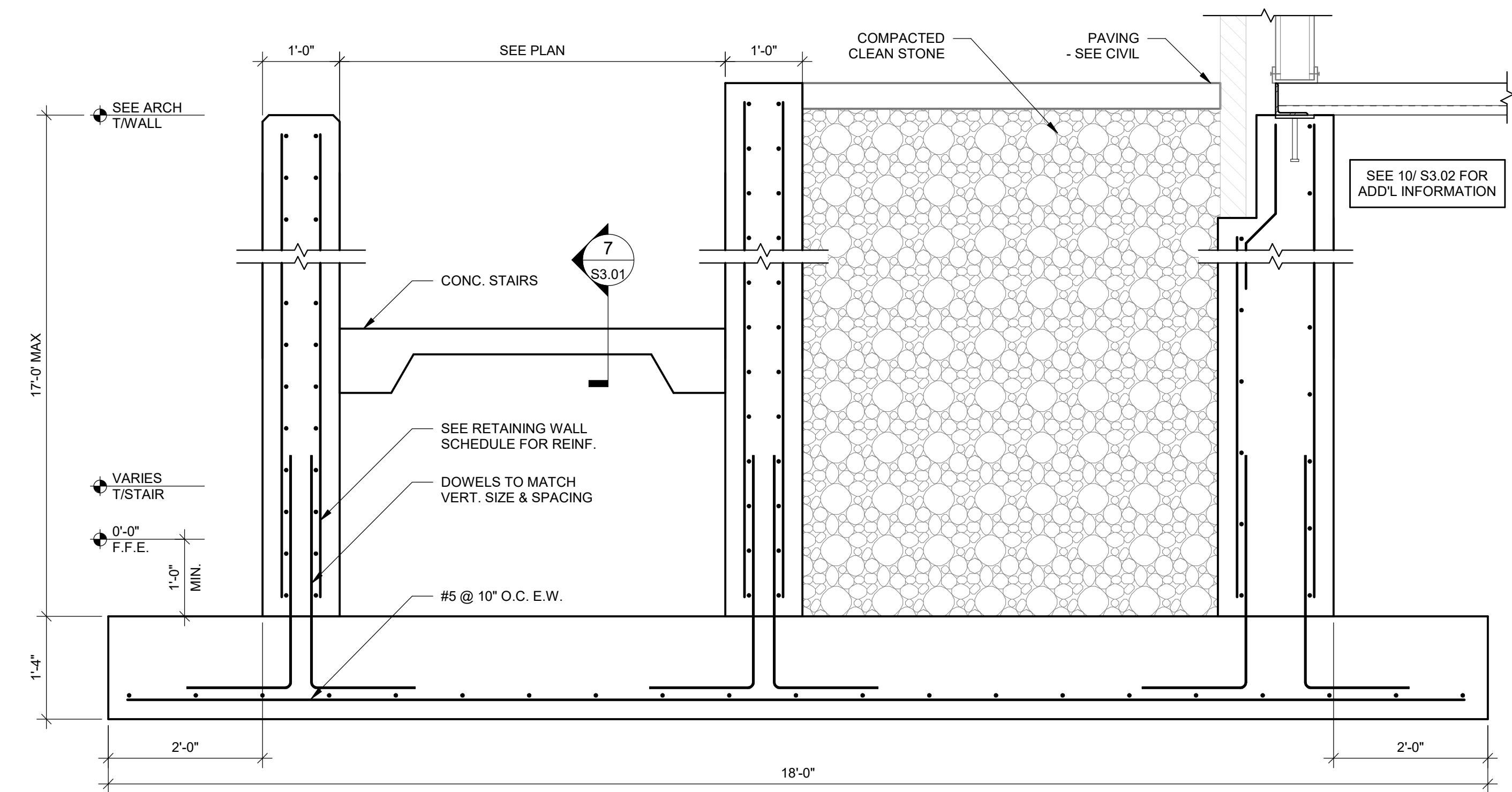
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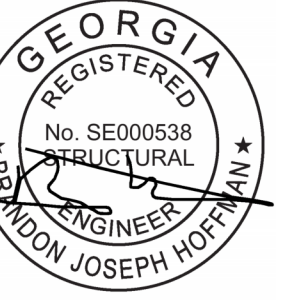
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**2 RETAINING WALL AT STAIRS**  
SCALE: 3/4" = 1'-0"



**3 RETAINING WALL AT STAIRS**  
SCALE: 3/4" = 1'-0"



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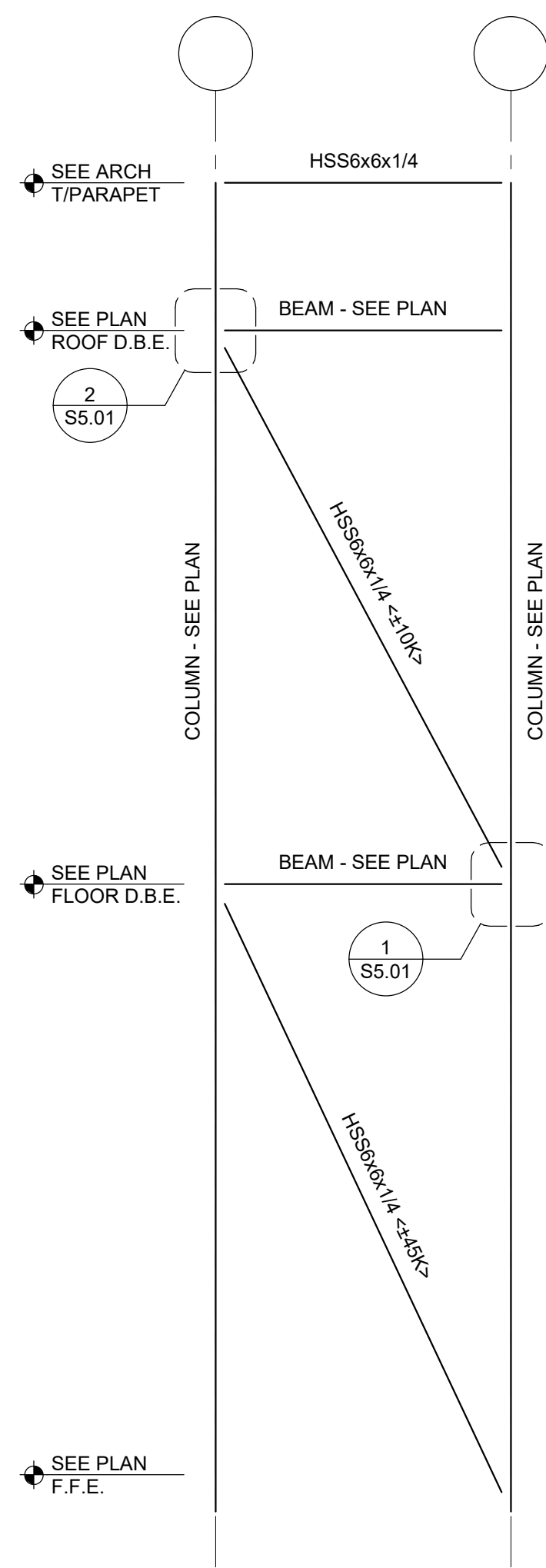

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FOUNDATION DETAILS

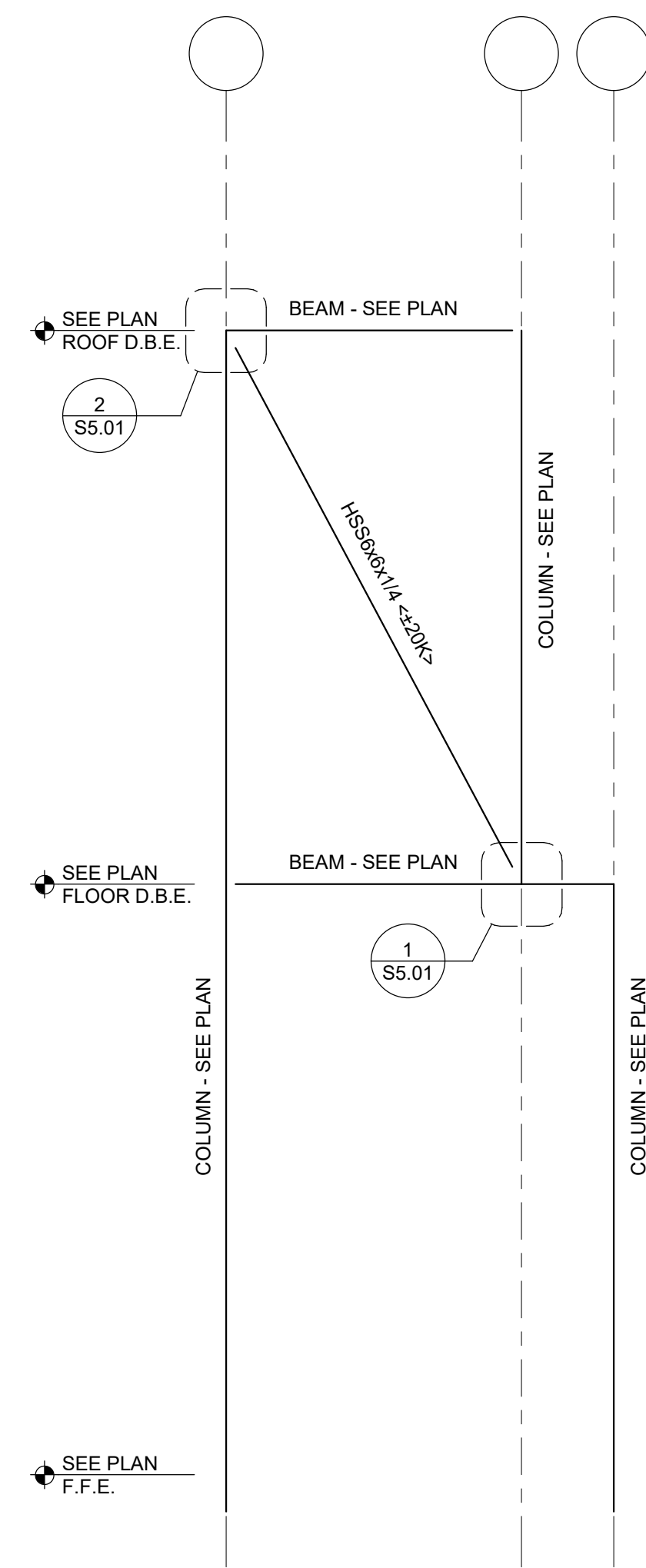
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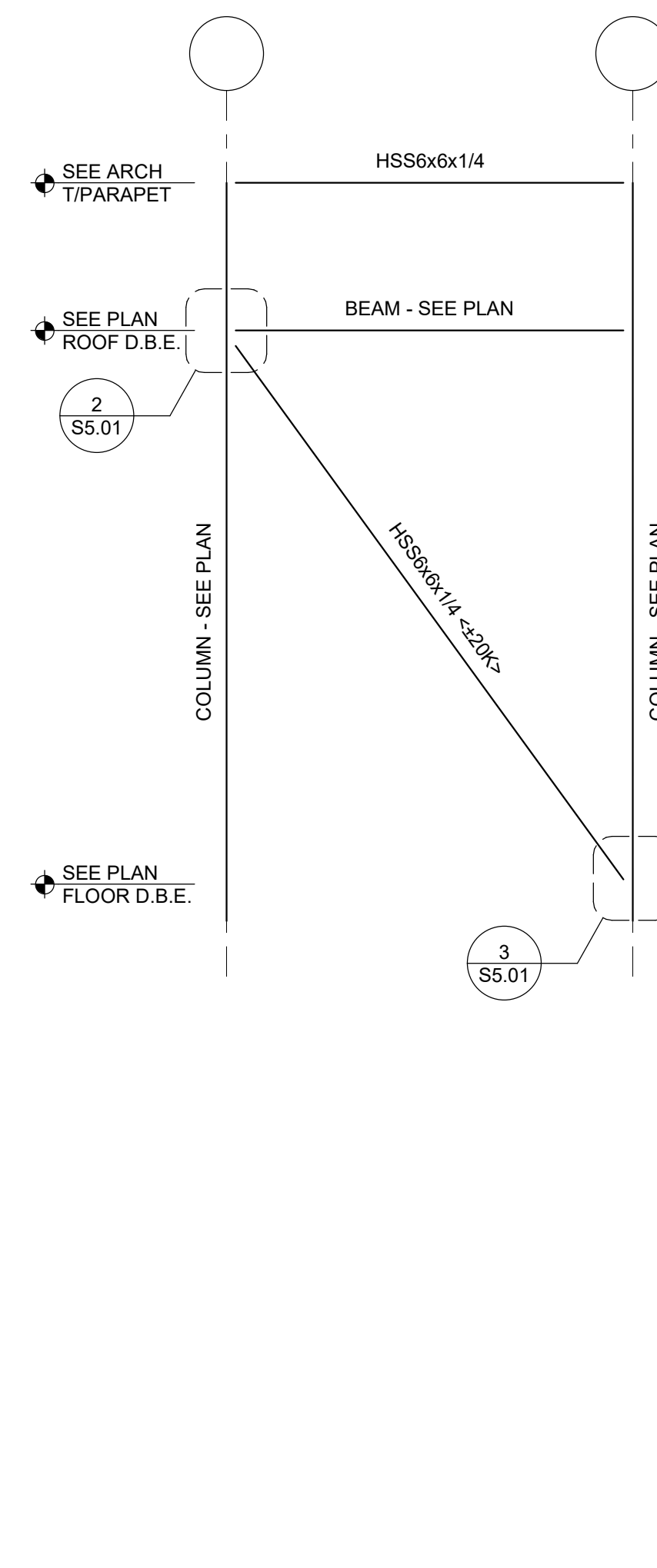
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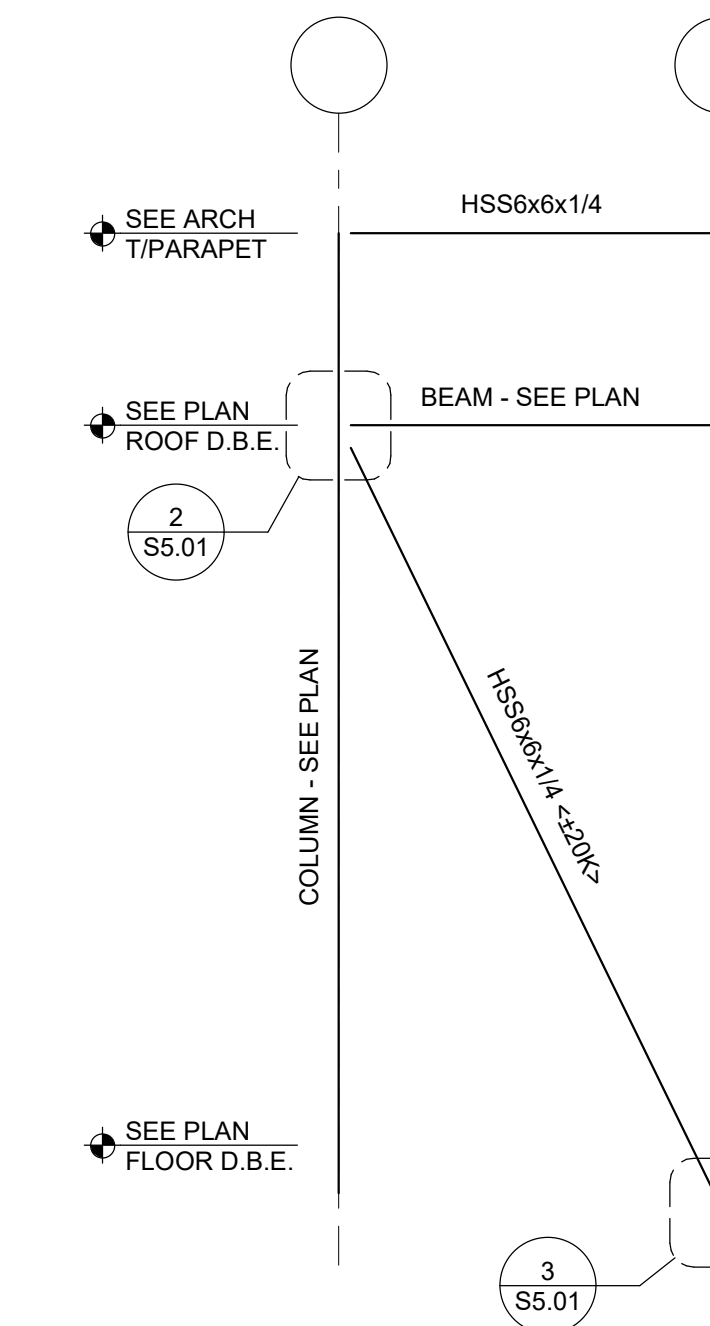
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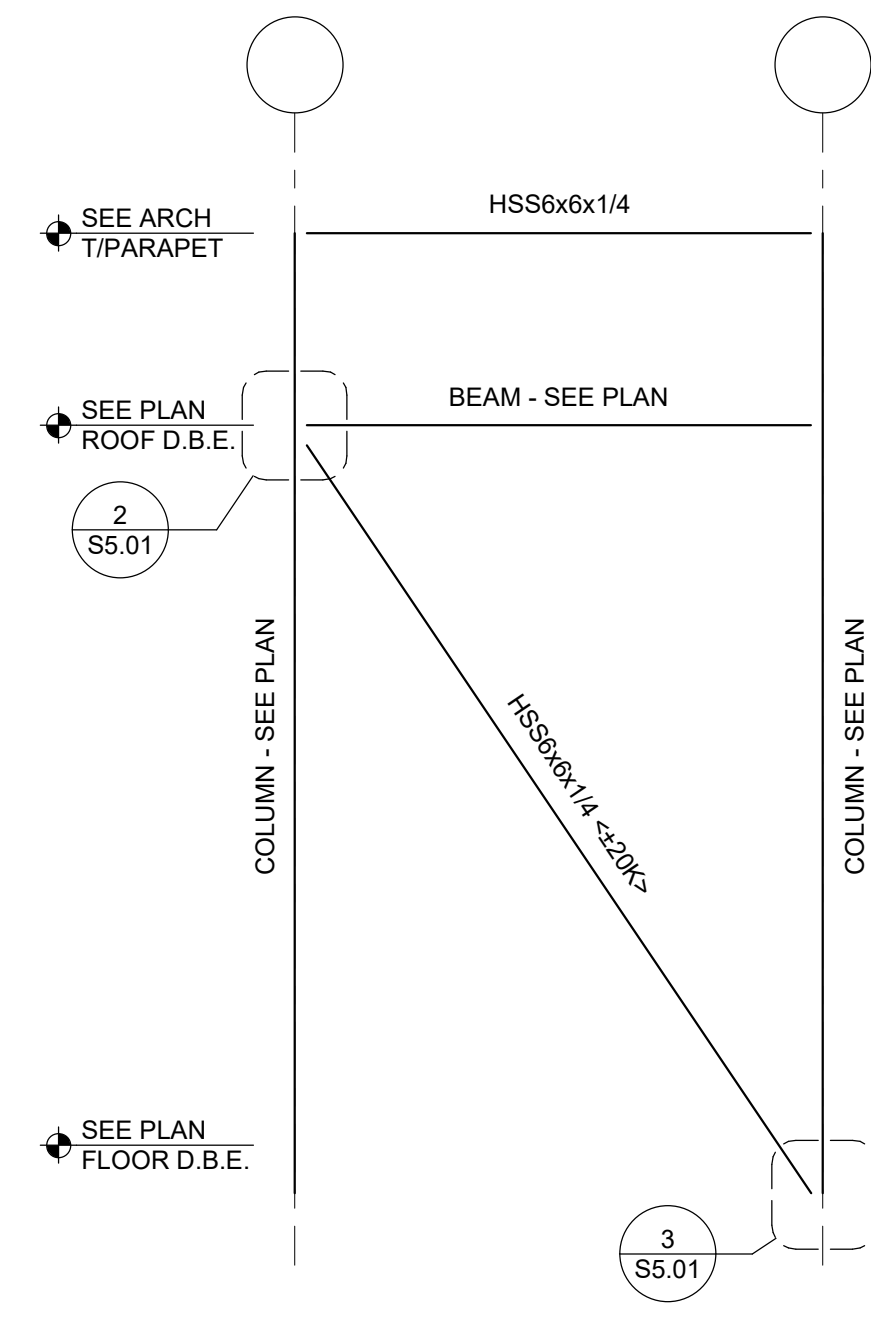
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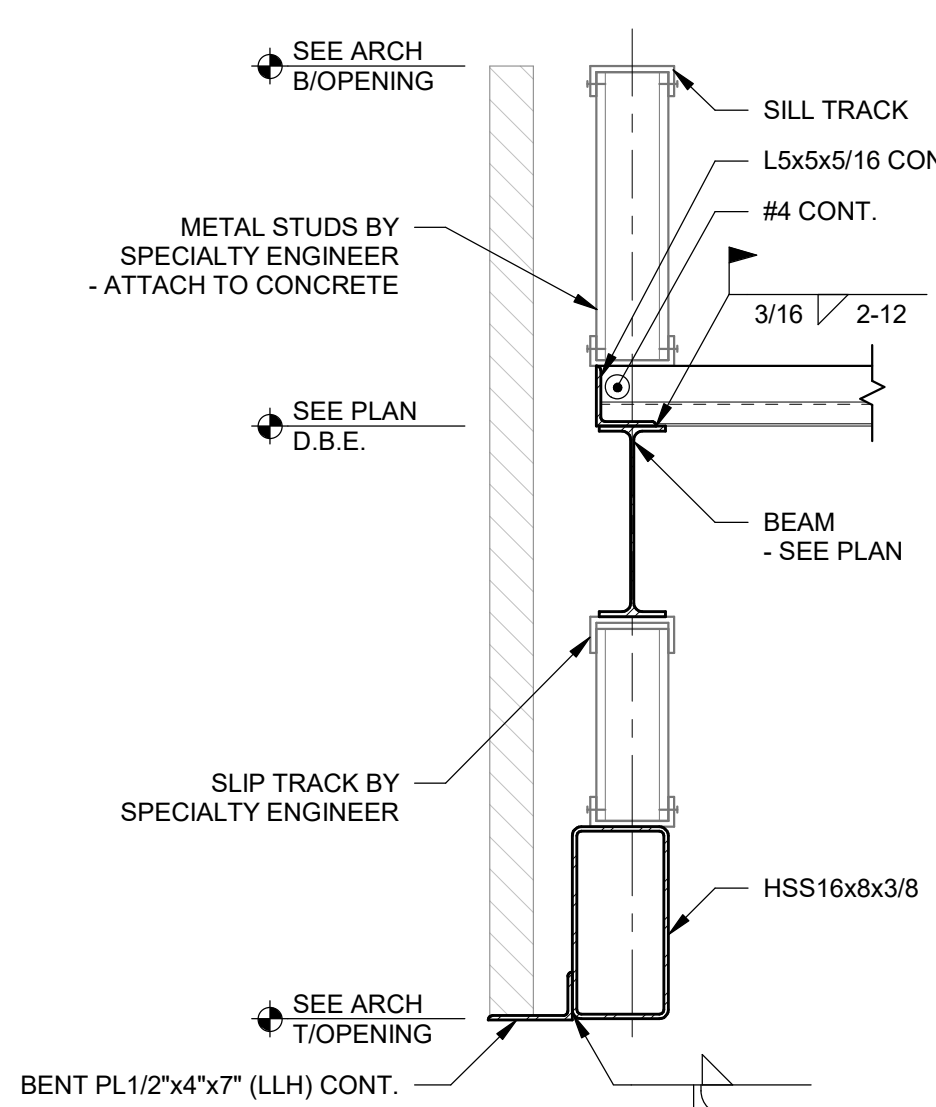
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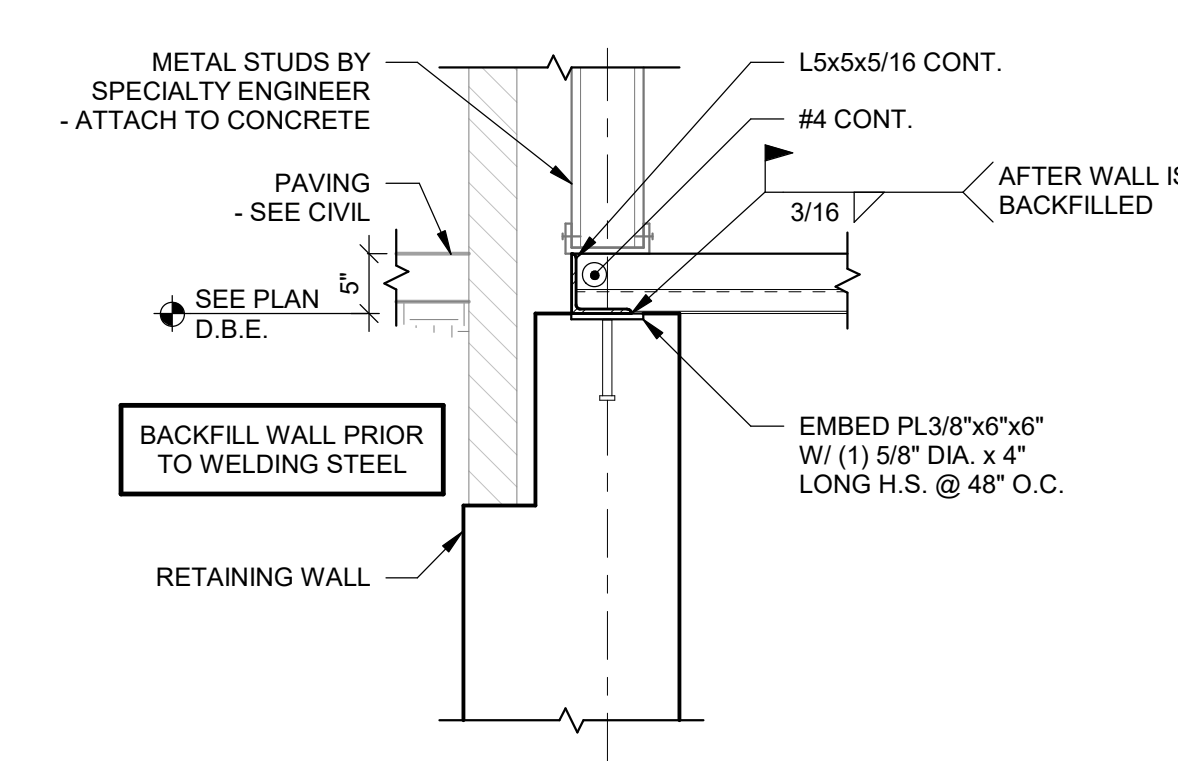
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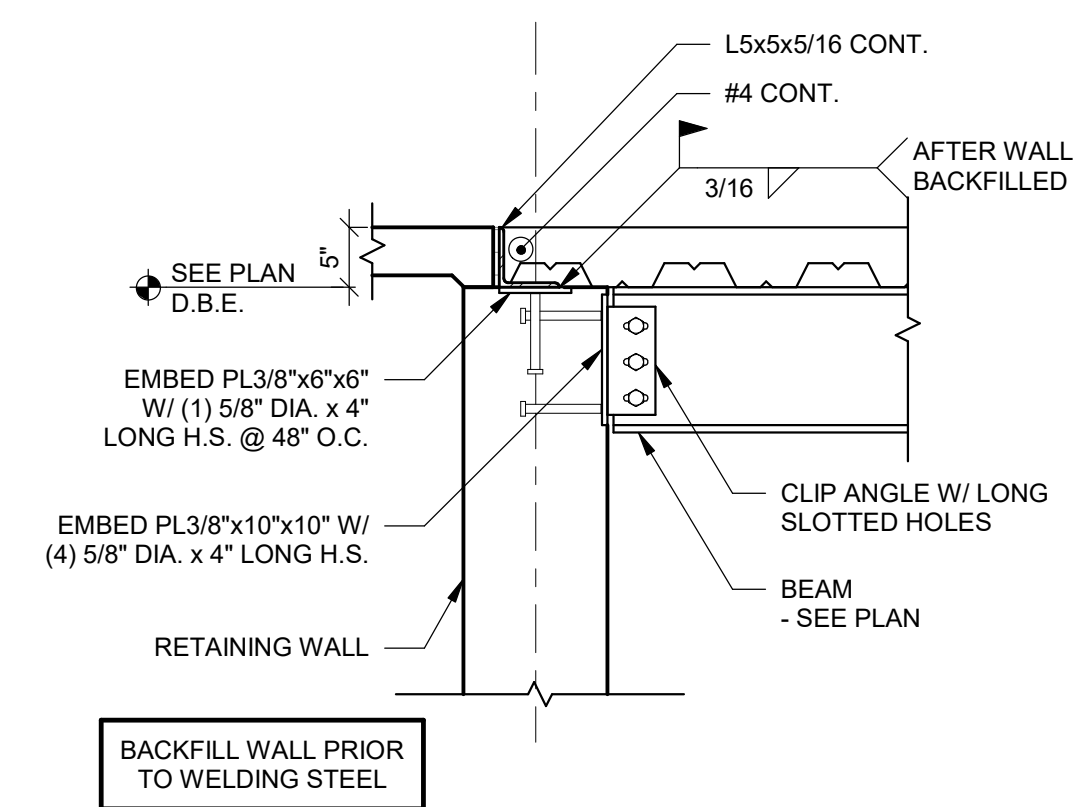
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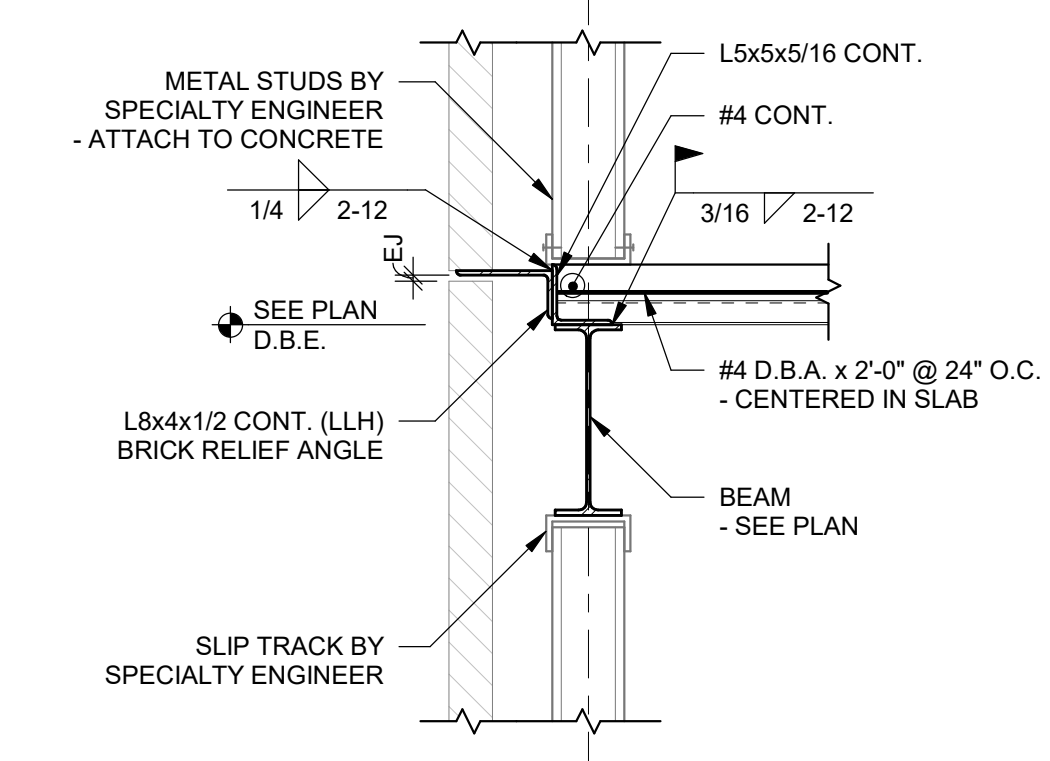
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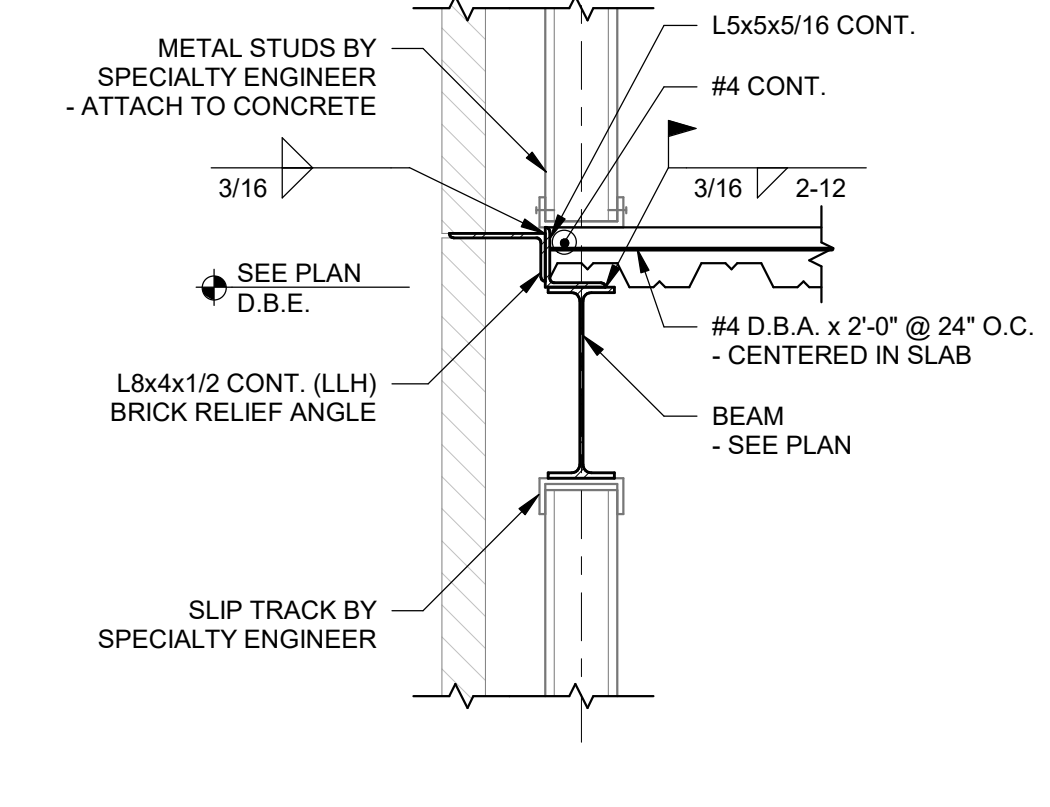
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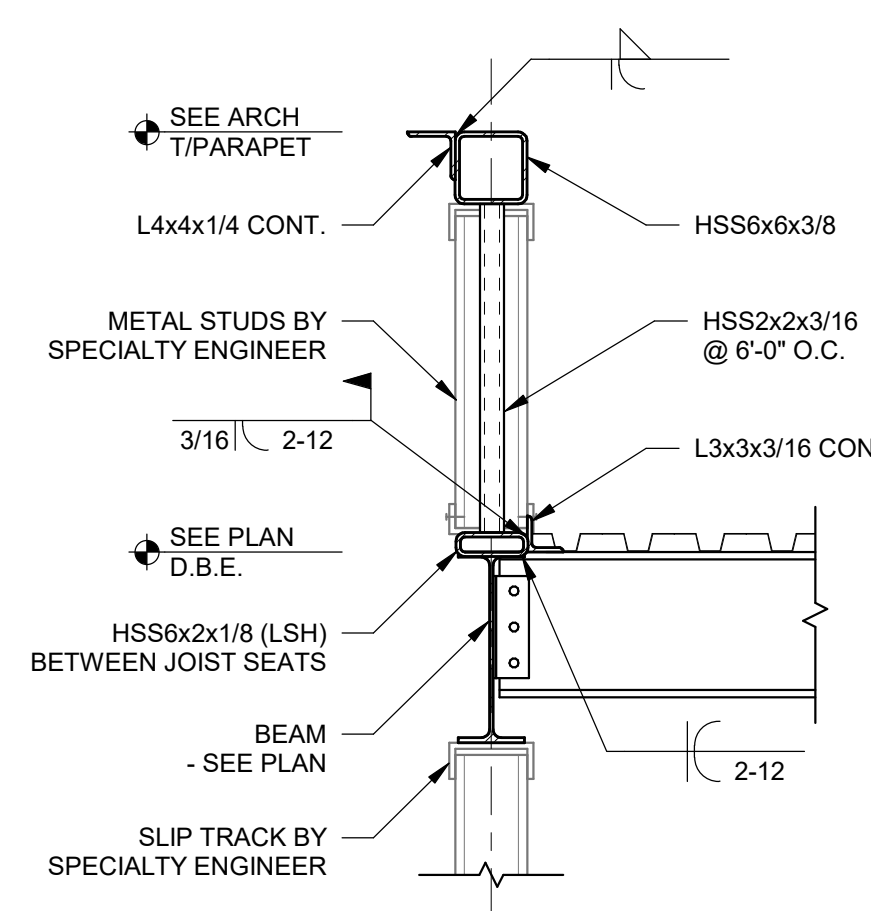
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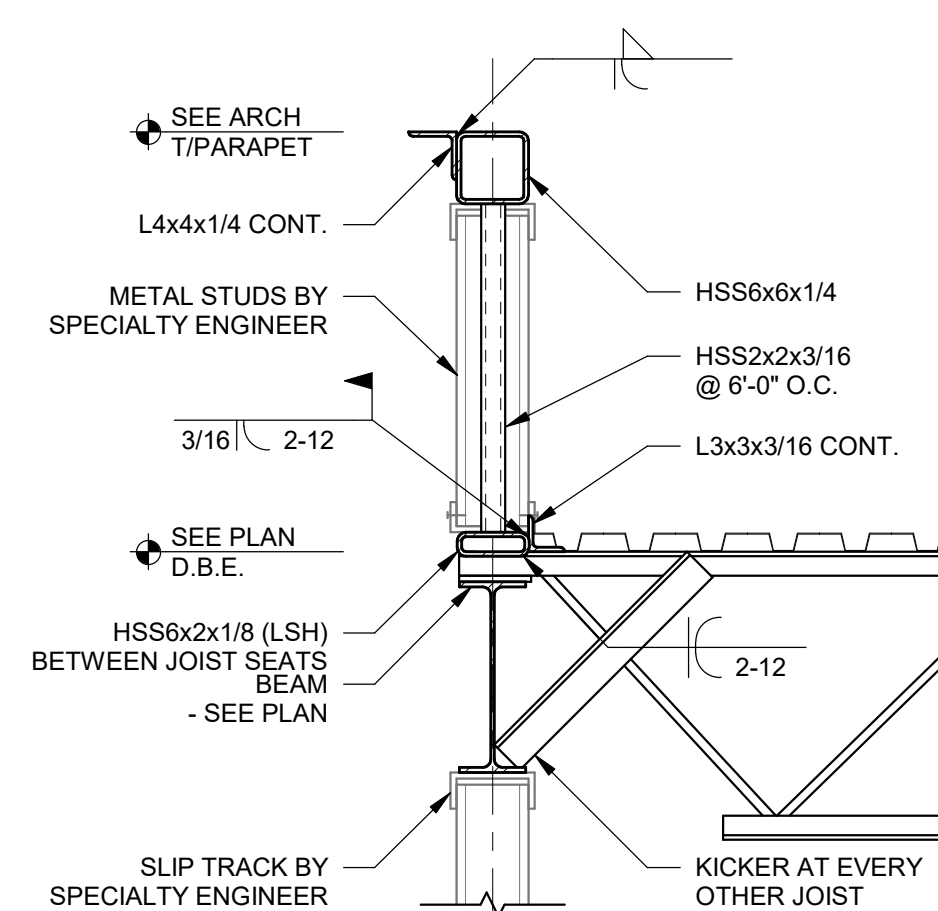
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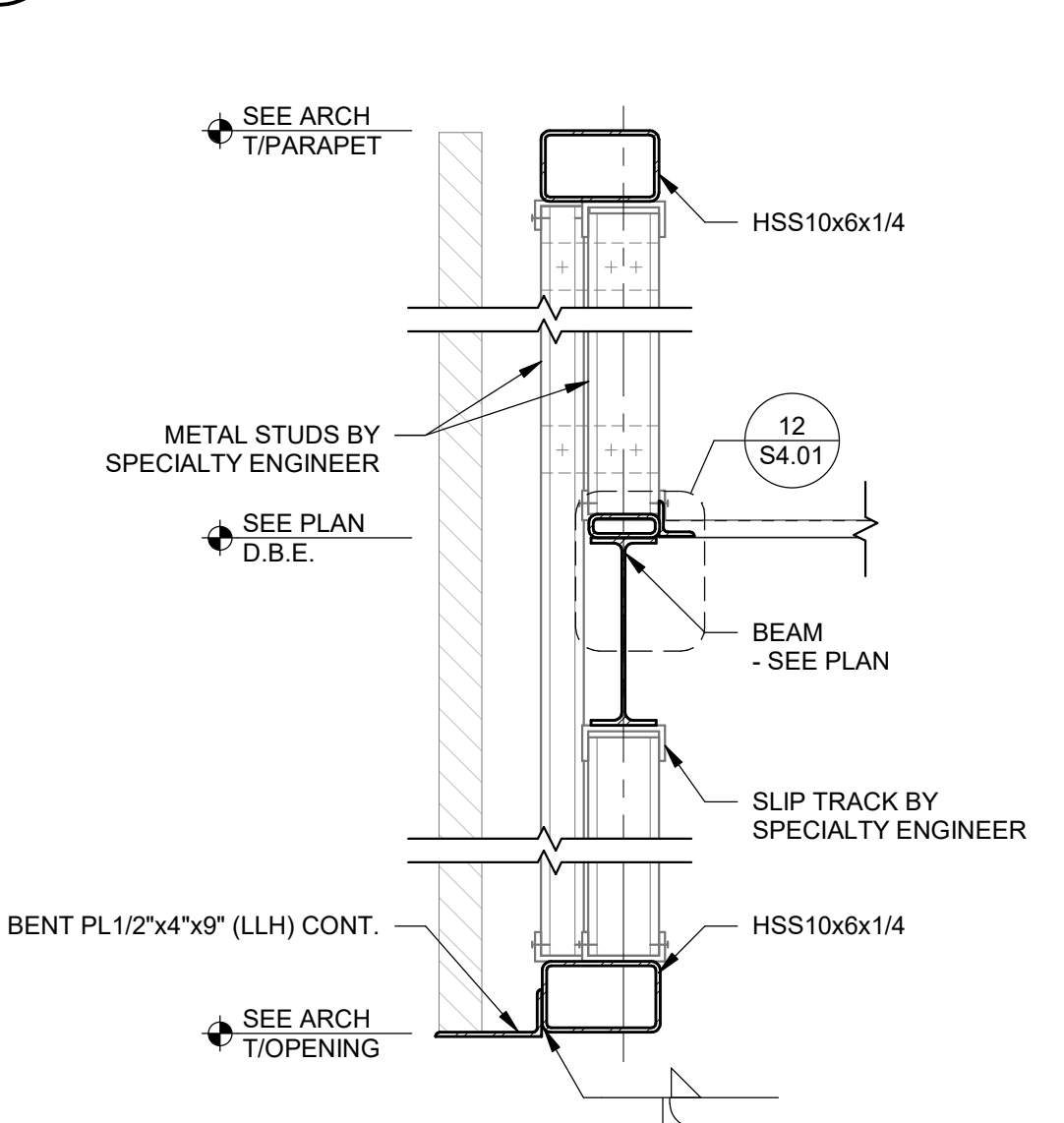
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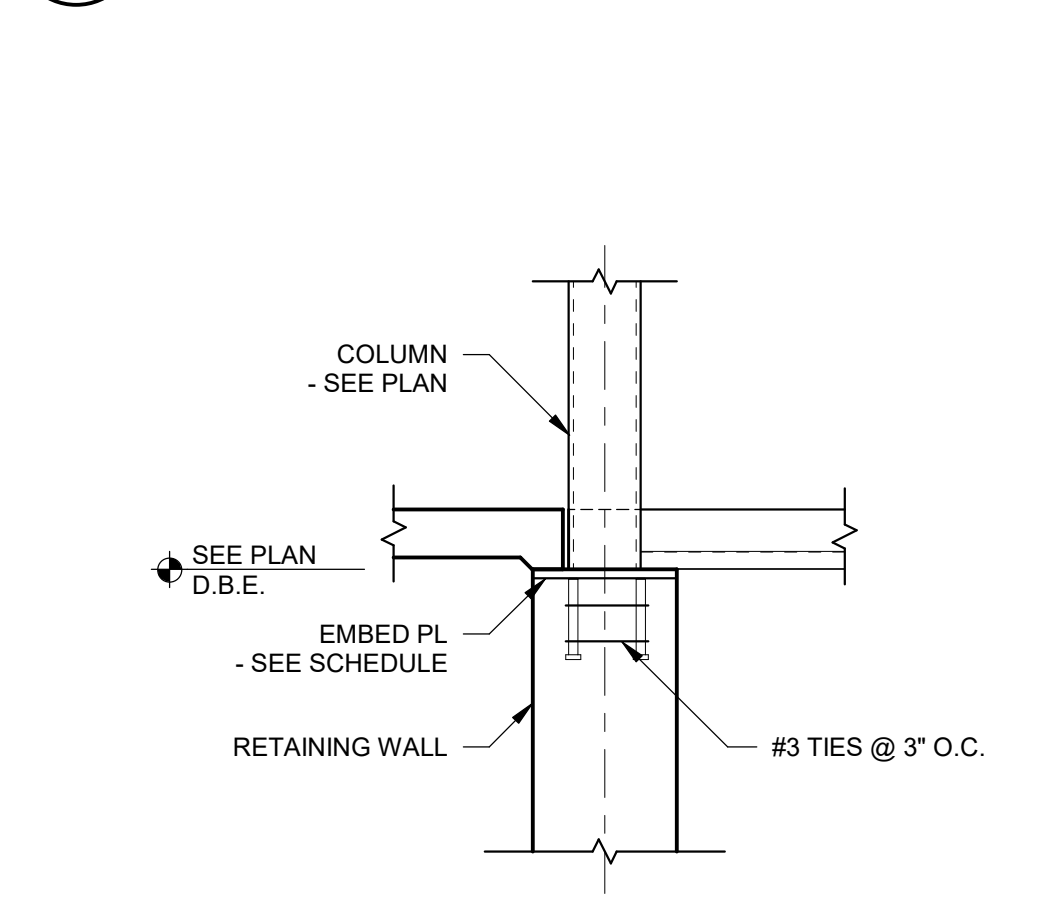
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**14 SECTION**  
S4.01 SCALE: 3/4" = 1'-0"



**15 SECTION**  
S4.01 SCALE: 3/4" = 1'-0"



**16 SECTION**  
S4.01 SCALE: 3/4" = 1'-0"



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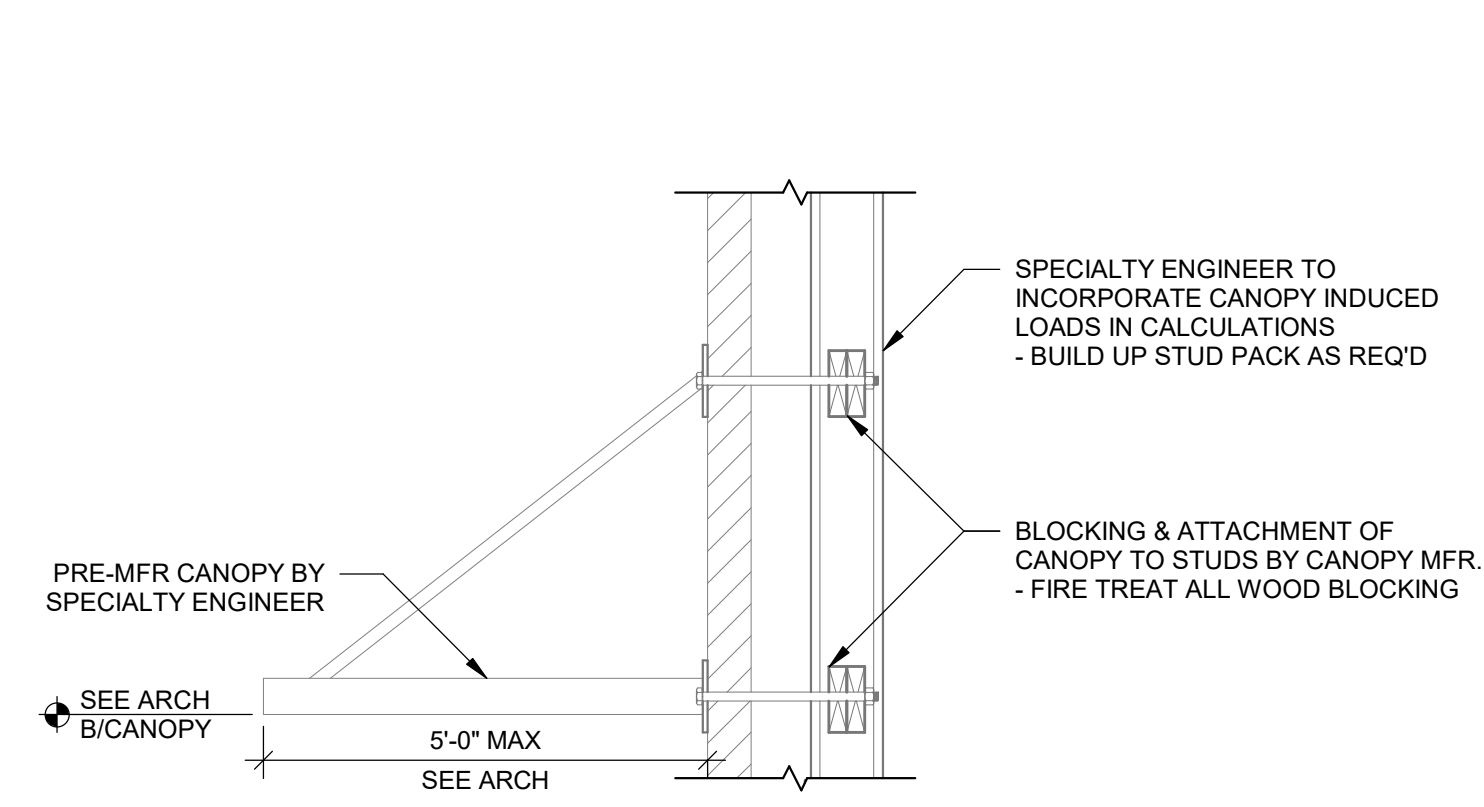
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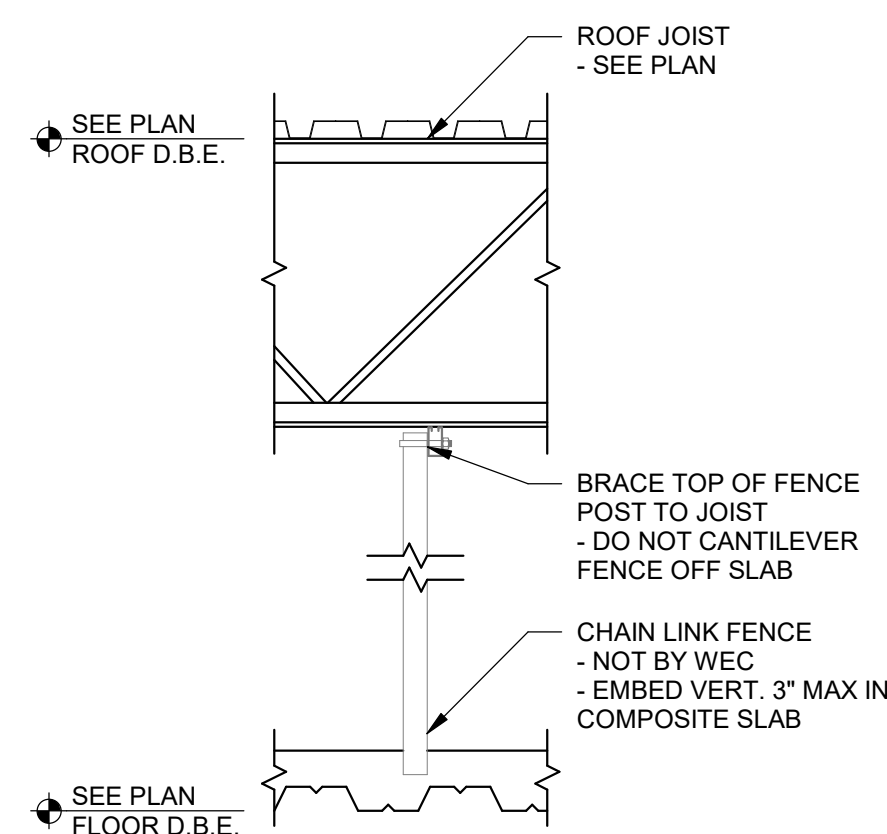
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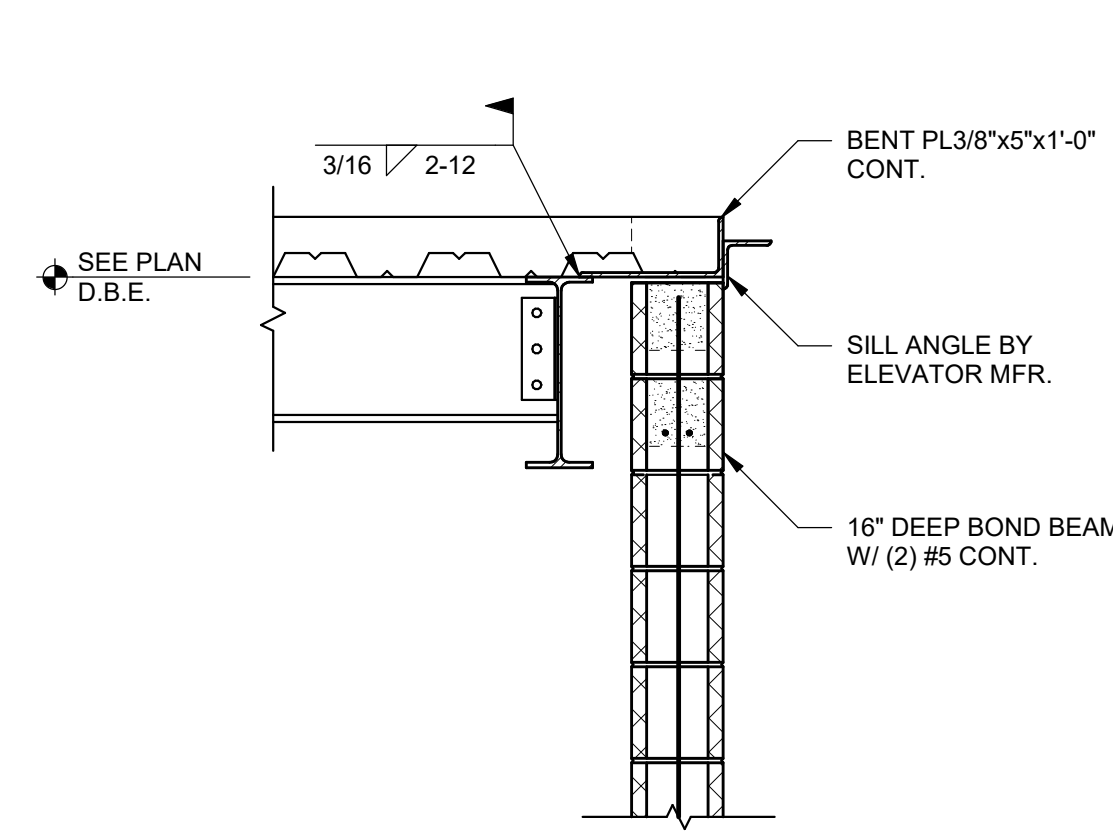




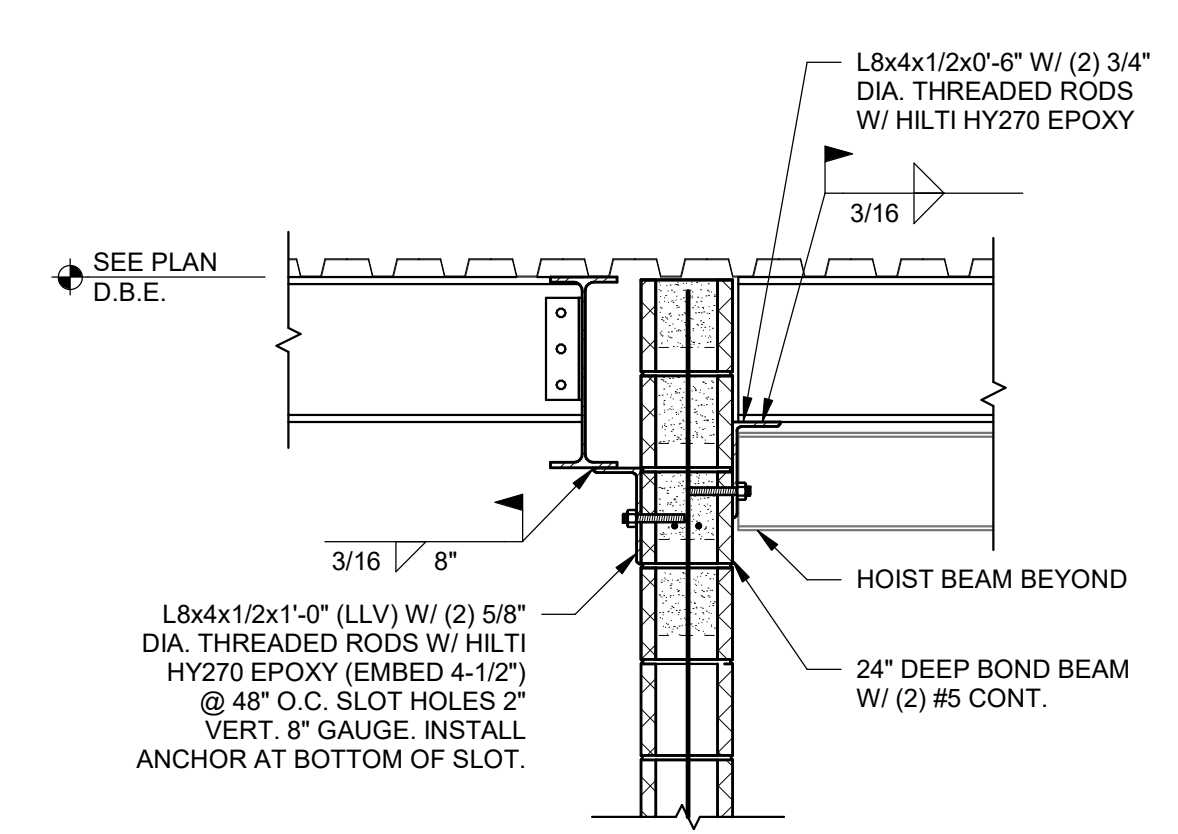
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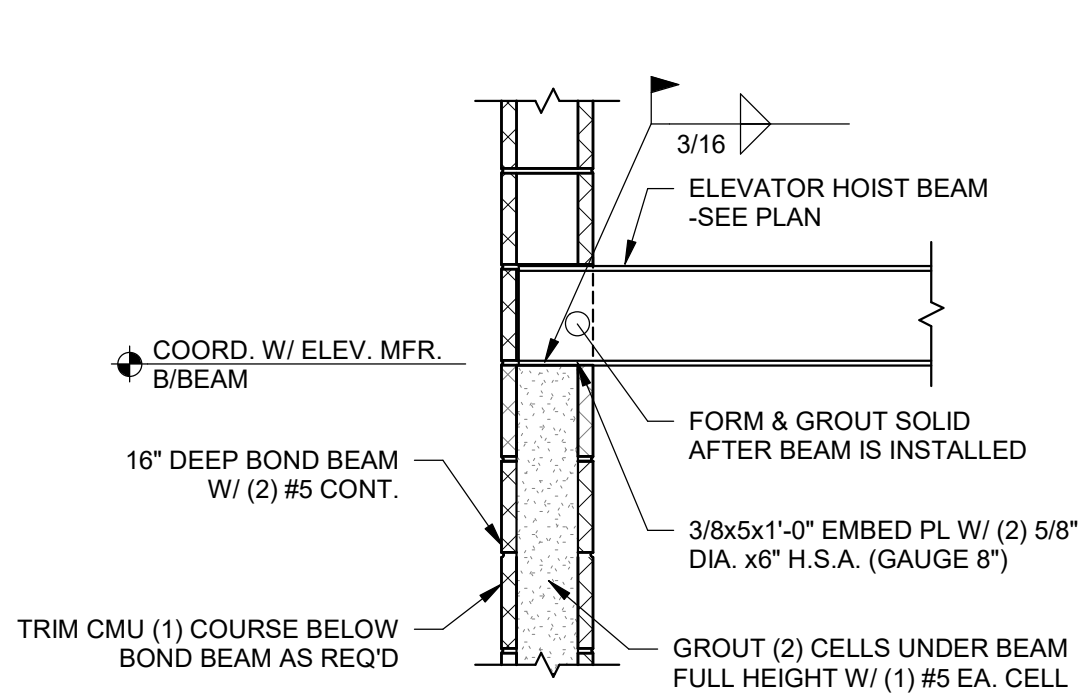
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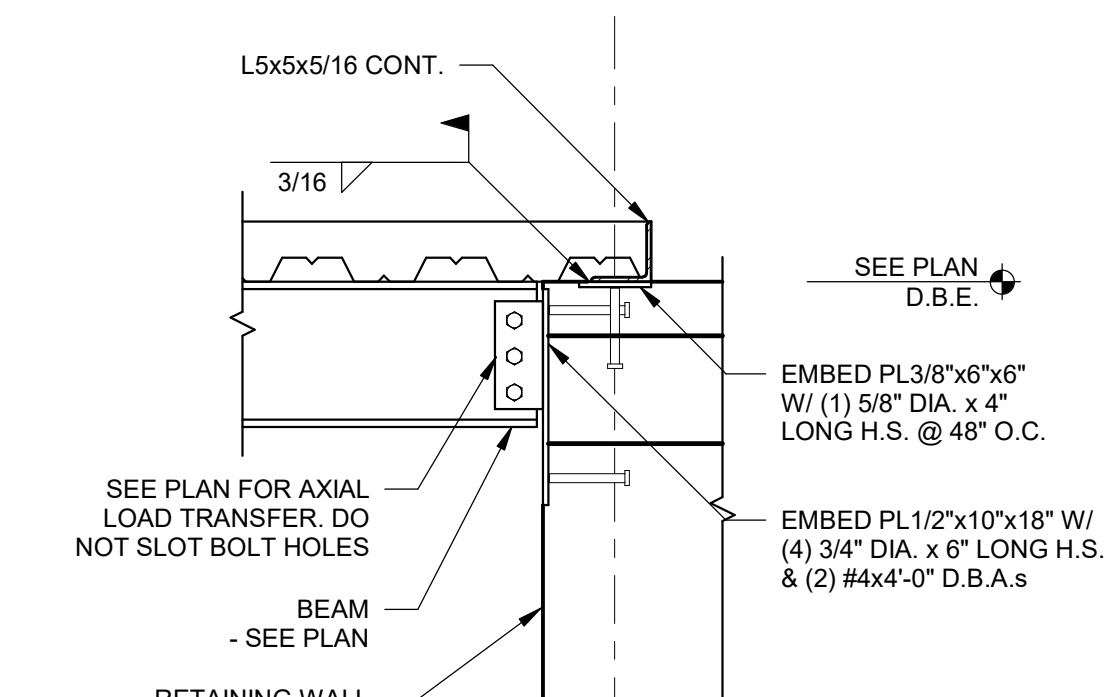
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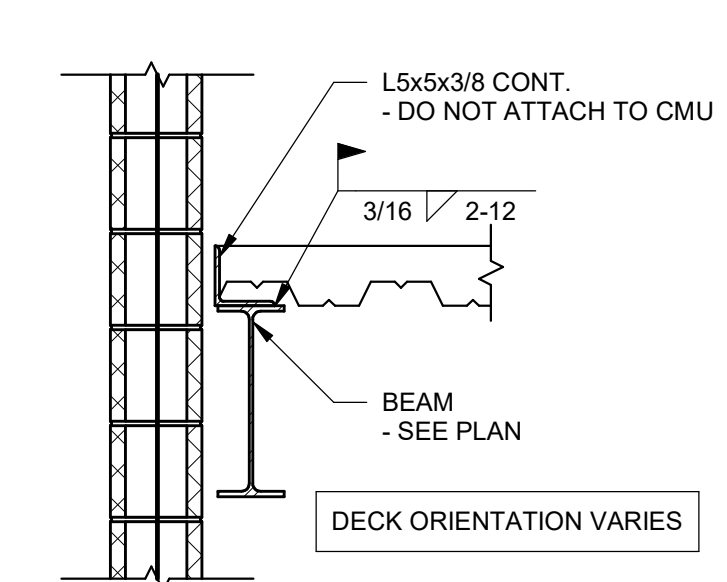
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5 HOIST BEAM DETAIL  
S4.02 SCALE: 3/4" = 1'-0"



6 SECTION  
S4.02 SCALE: 3/4" = 1'-0"



7 SECTION  
S4.02 SCALE: 3/4" = 1'-0"



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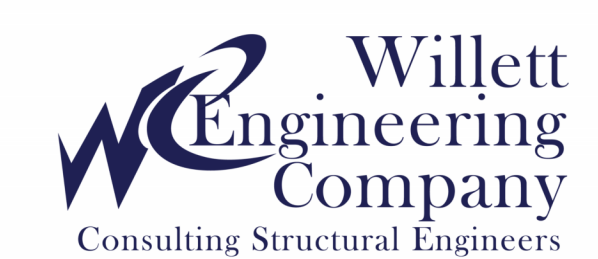
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KAG	KAG	BJH
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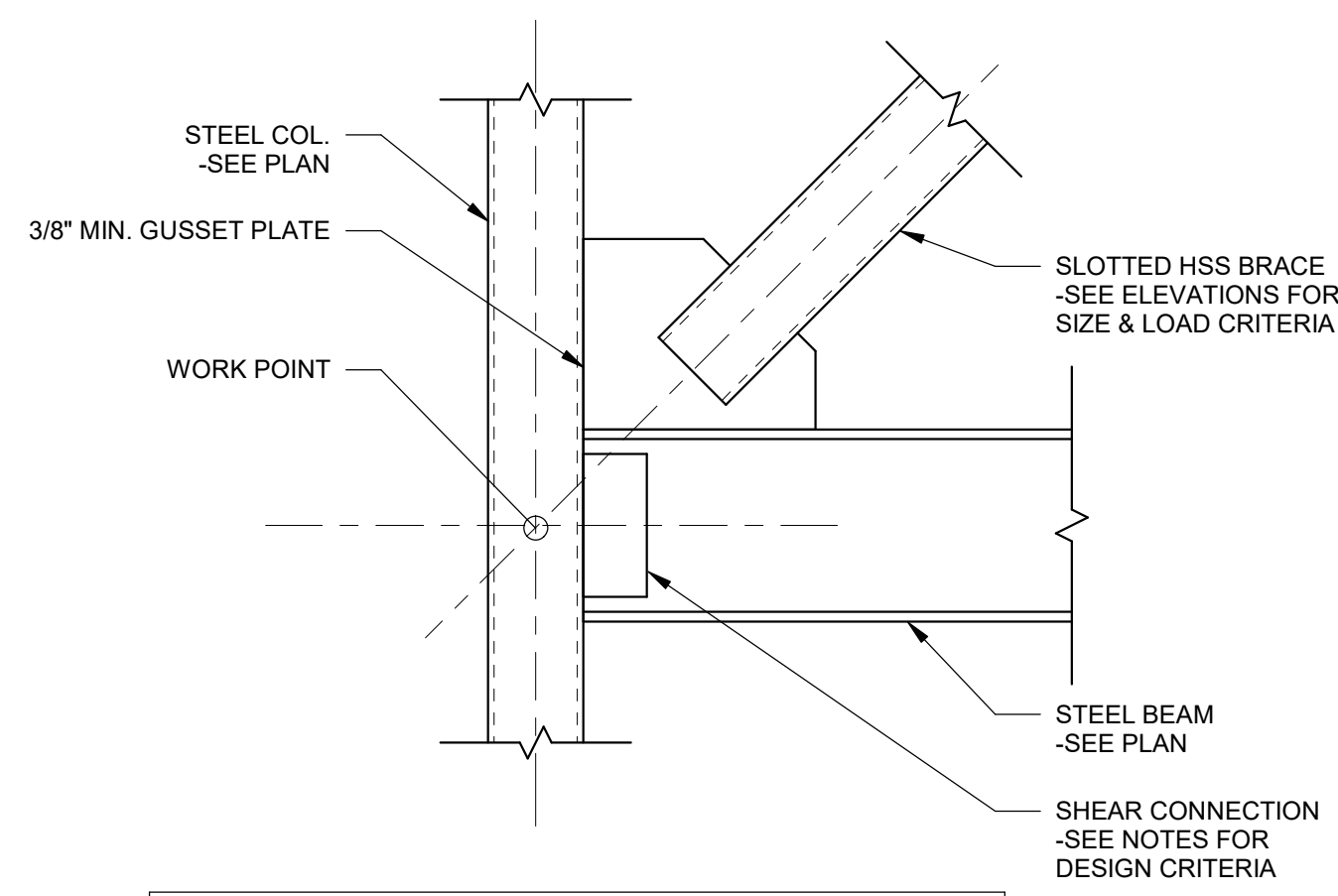
SECTIONS & DETAILS

DRAWING NUMBER

S4.02

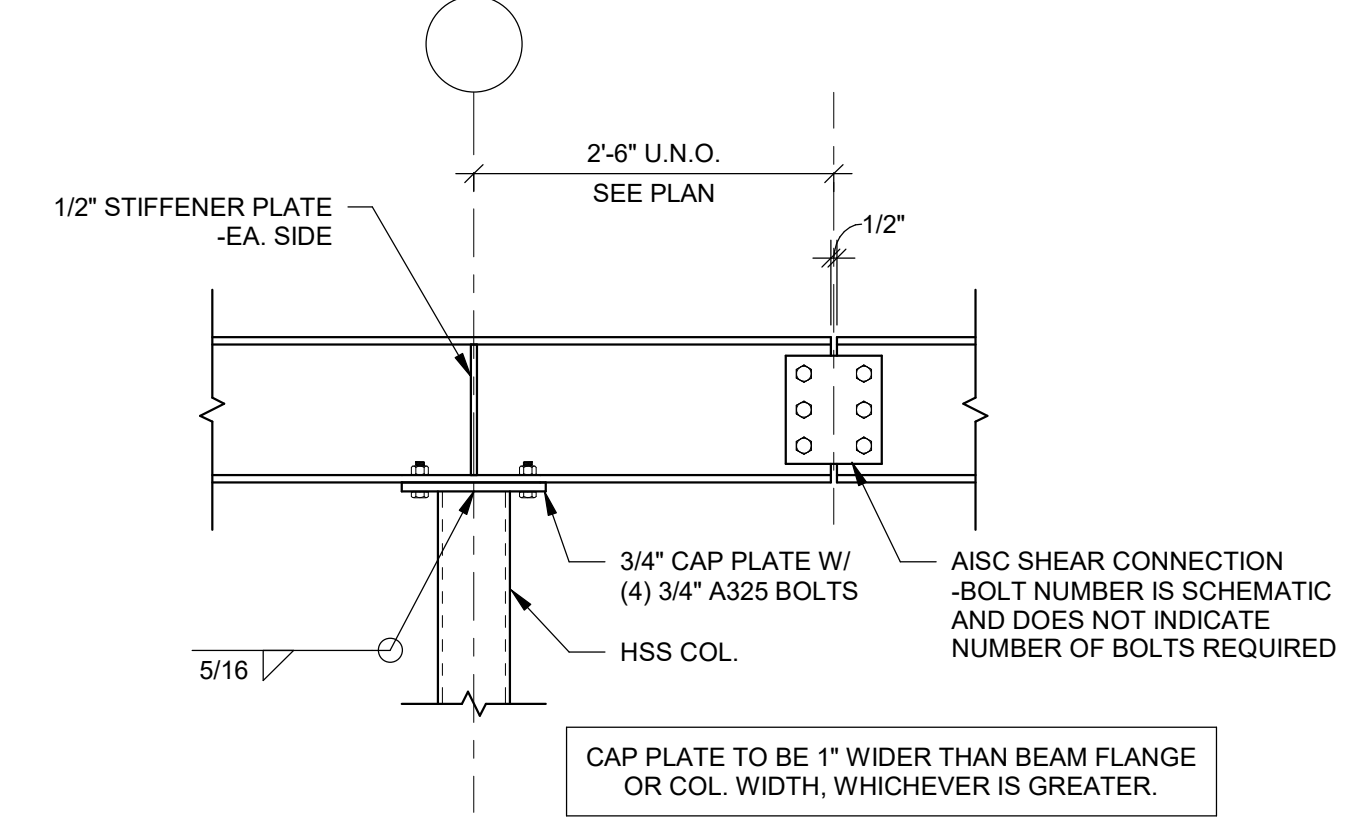


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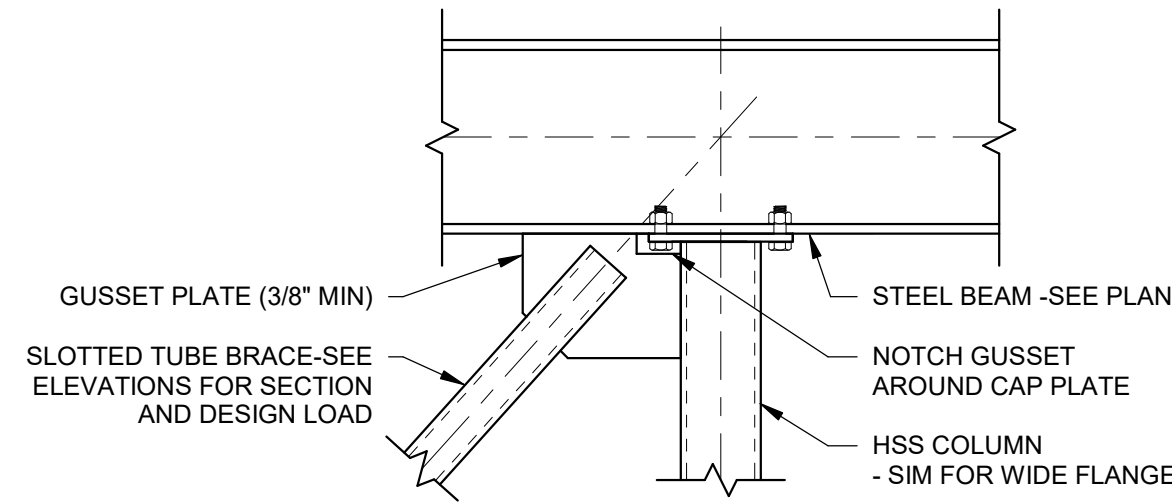
GUSSET PLATE AND ATTACHMENT OF GUSSET PLATE TO STRUCTURE AND BRACE TO GUSSET SHALL BE DESIGNED IN ACCORDANCE TO THE "STRUCTURAL STEEL" SECTION OF THE GENERAL NOTES PAGE AND IS NOT BY WILLETT ENGINEERING. DETAILS SHALL BE CONSIDERED SCHEMATIC ONLY.

**1 BRACE FRAME LOW CONNECTION**  
S5.01 SCALE: 1" = 1'-0"



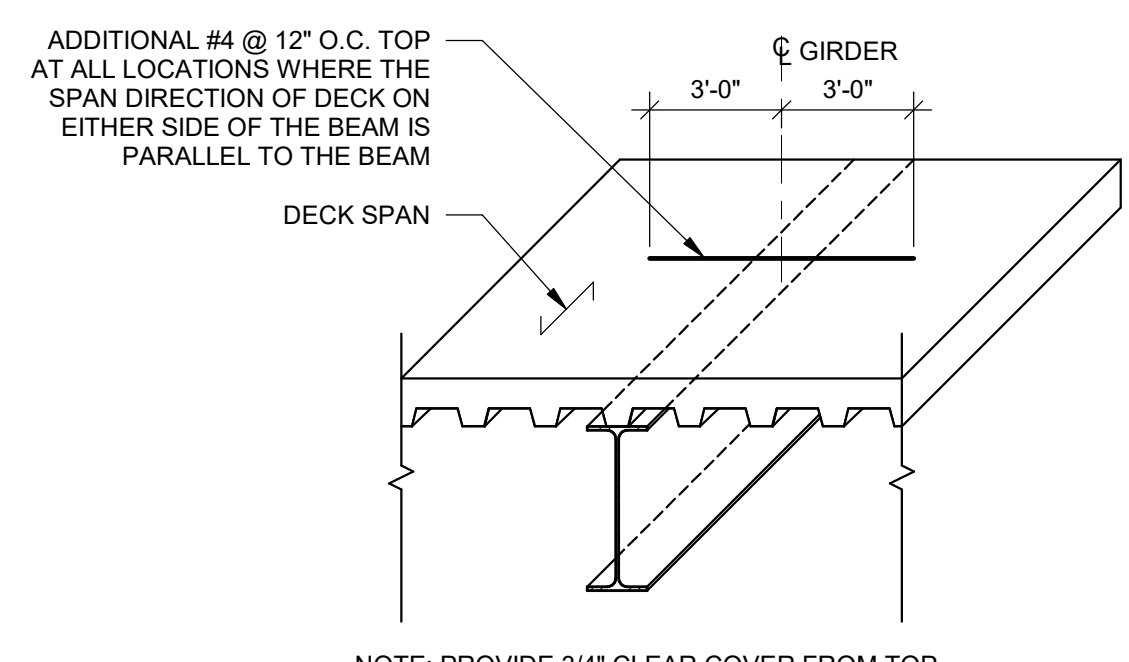
CAP PLATE TO BE 1" WIDER THAN BEAM FLANGE OR COL. WIDTH, WHICHEVER IS GREATER.

**4 TYPICAL BEAM BEARING DETAIL**  
S5.01 SCALE: 3/4" = 1'-0"



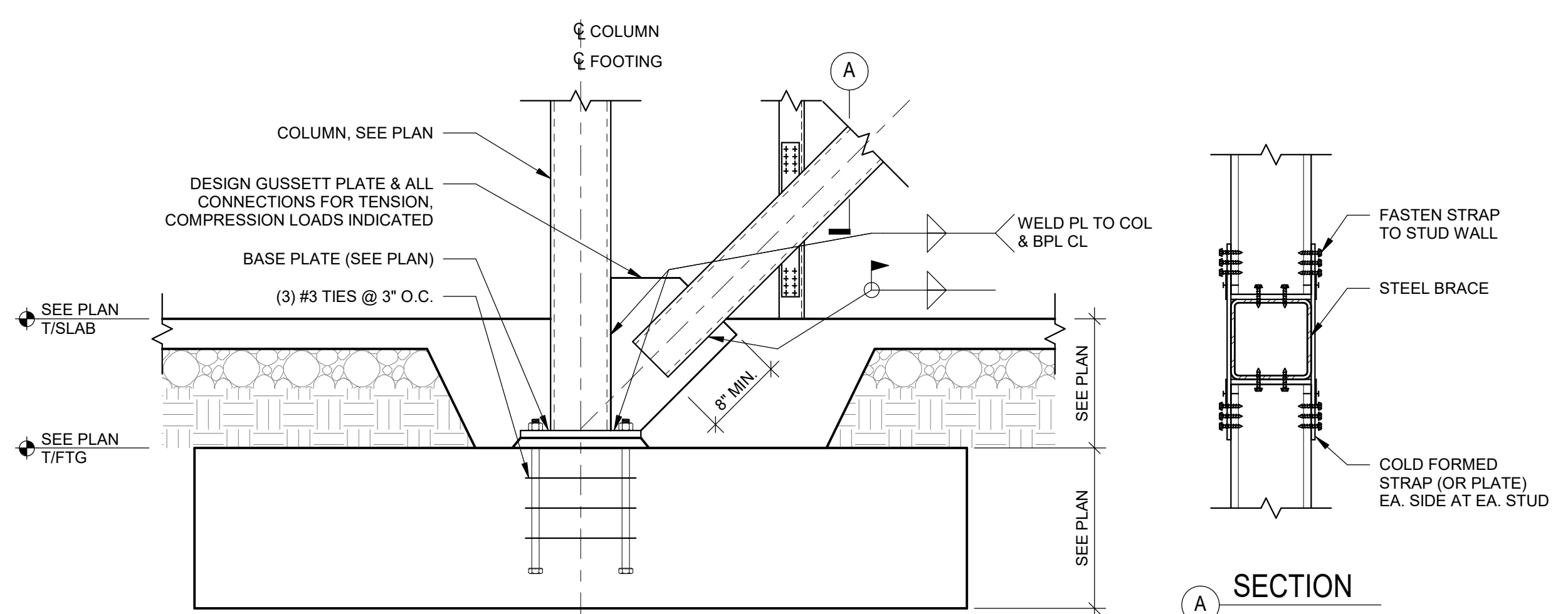
GUSSET PLATE AND ATTACHMENT OF GUSSET PLATE TO STRUCTURE AND BRACE TO GUSSET SHALL BE DESIGNED IN ACCORDANCE TO THE "STRUCTURAL STEEL" SECTION OF THE GENERAL NOTES PAGE AND IS NOT BY WILLETT ENGINEERING. DETAILS SHALL BE CONSIDERED SCHEMATIC ONLY.

**2 BRACE FRAME HIGH CONNECTION**  
S5.01 SCALE: 1" = 1'-0"

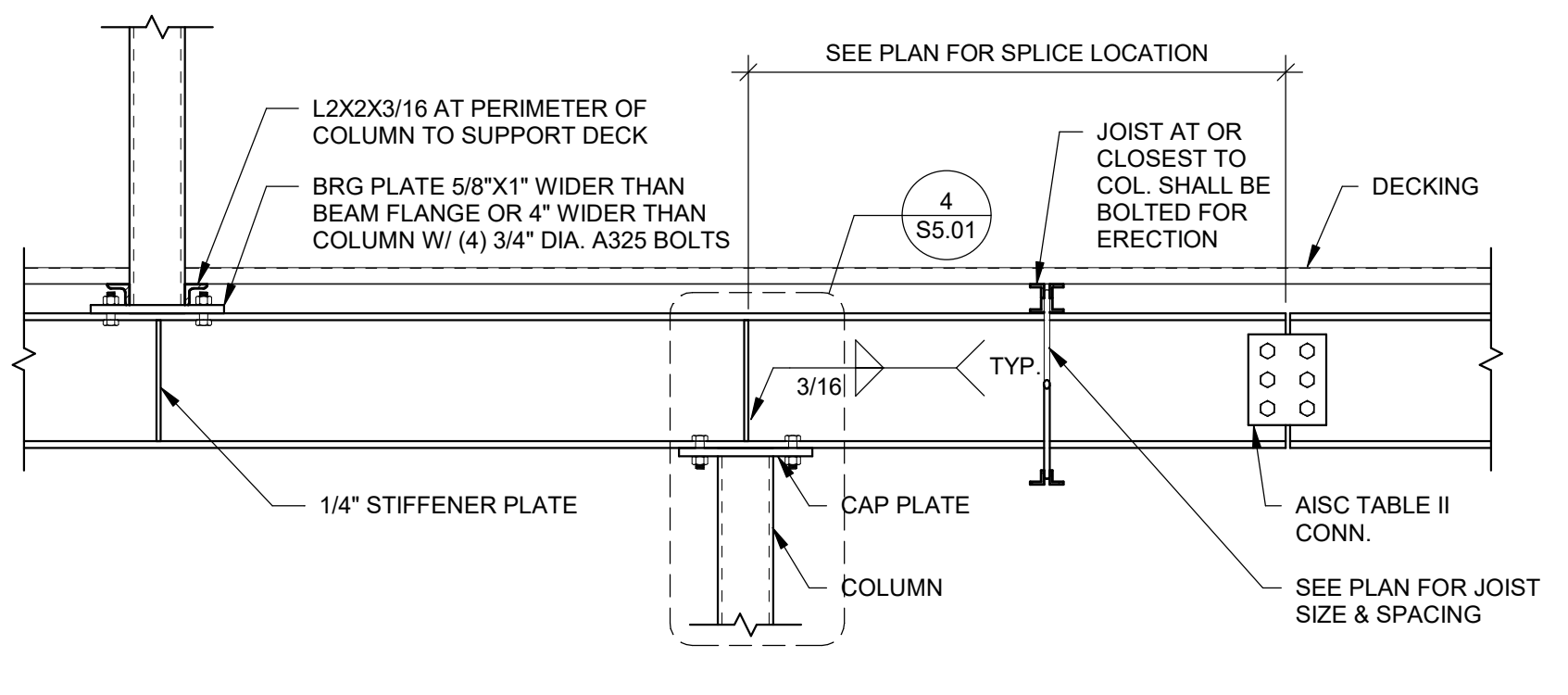


NOTE: PROVIDE 3/4" CLEAR COVER FROM TOP OF SLAB TO ADDITIONAL REINFORCEMENT

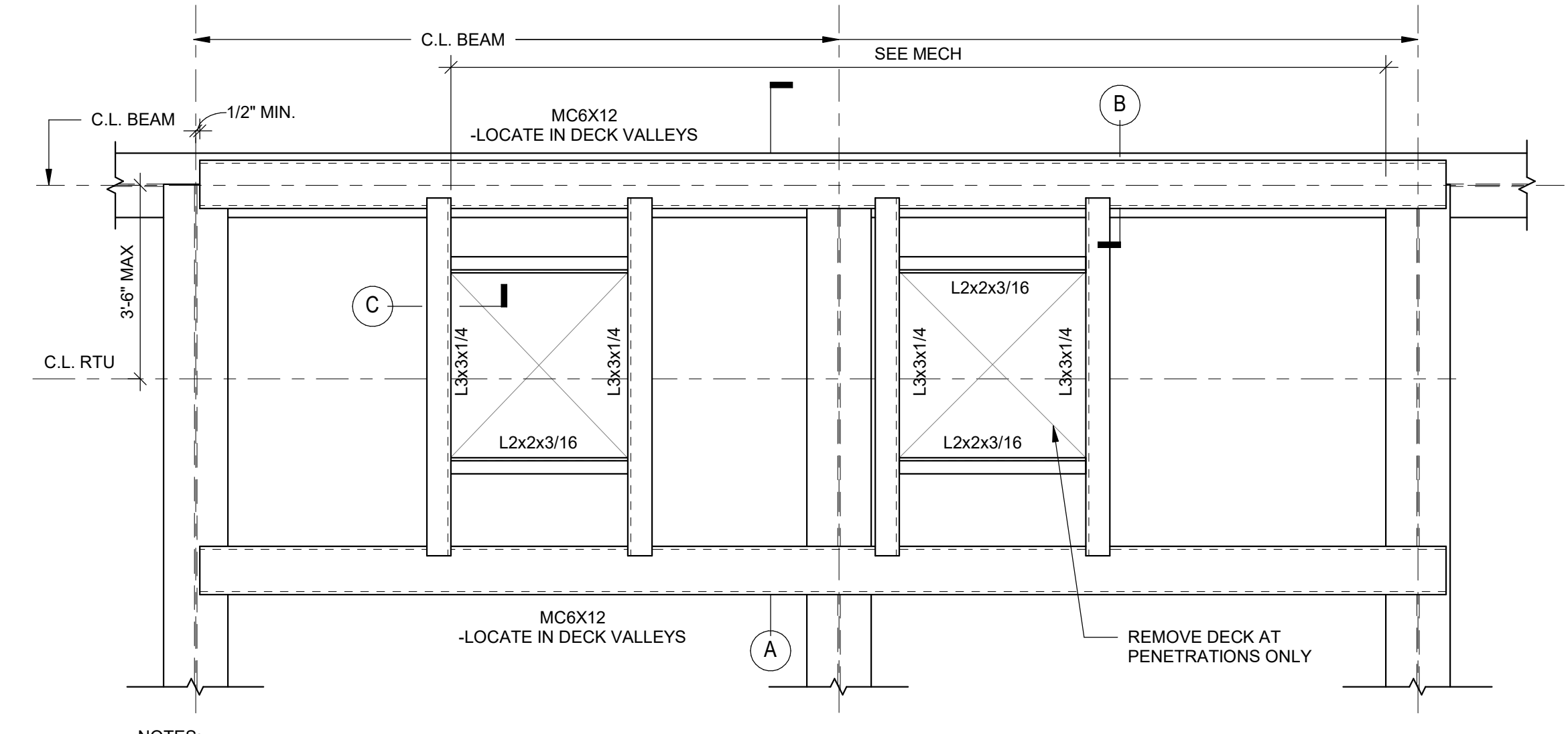
**5 ADD'L DECK REINF. AT GIRDER**  
S5.01 SCALE: 3/4" = 1'-0"



**3 TYPICAL TUBE STEEL BRACE CONNECTION DETAIL**  
S5.01 SCALE: 1" = 1'-0"

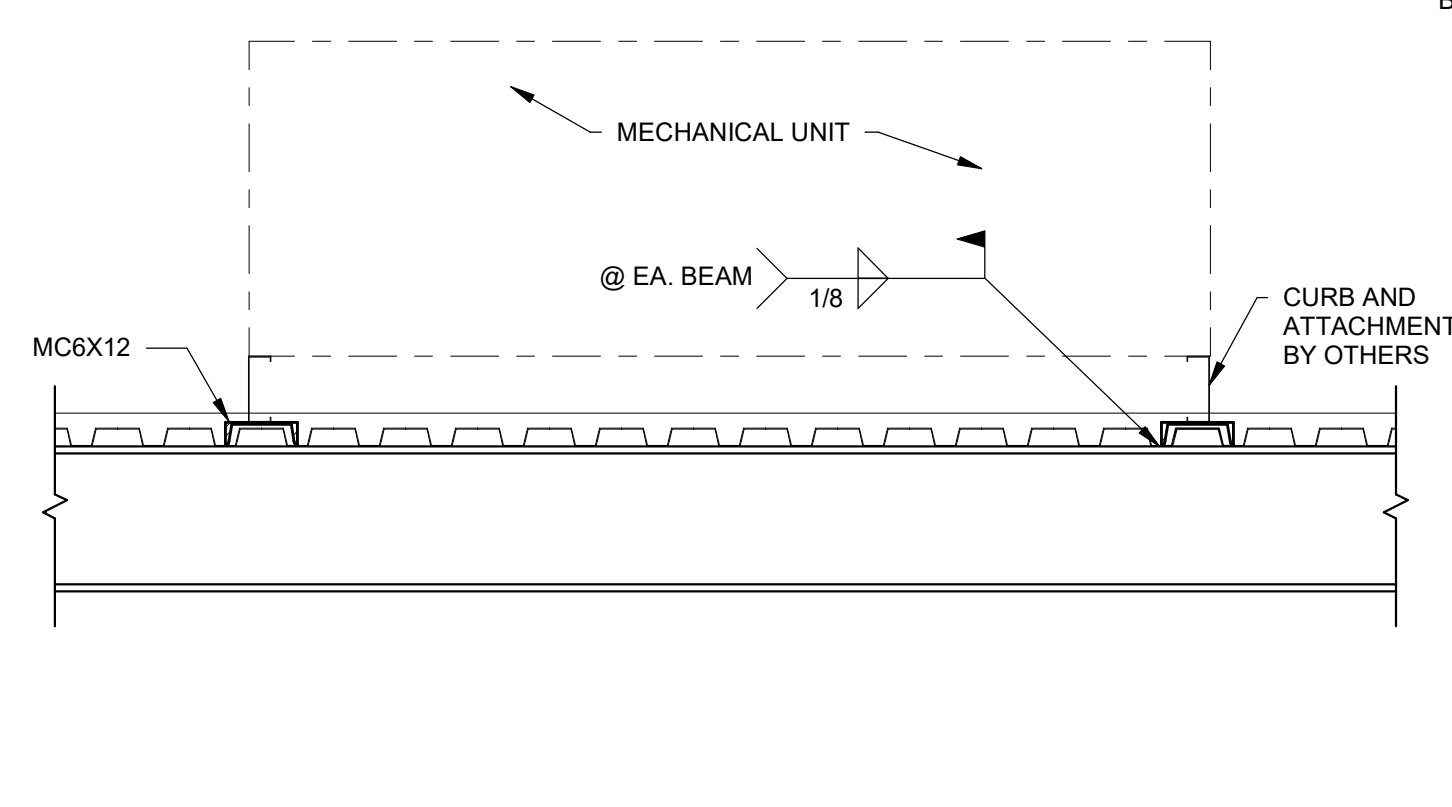


**6 TYPICAL BEAM SPlice AND COLUMN DETAIL**  
S5.01 SCALE: 3/4" = 1'-0"

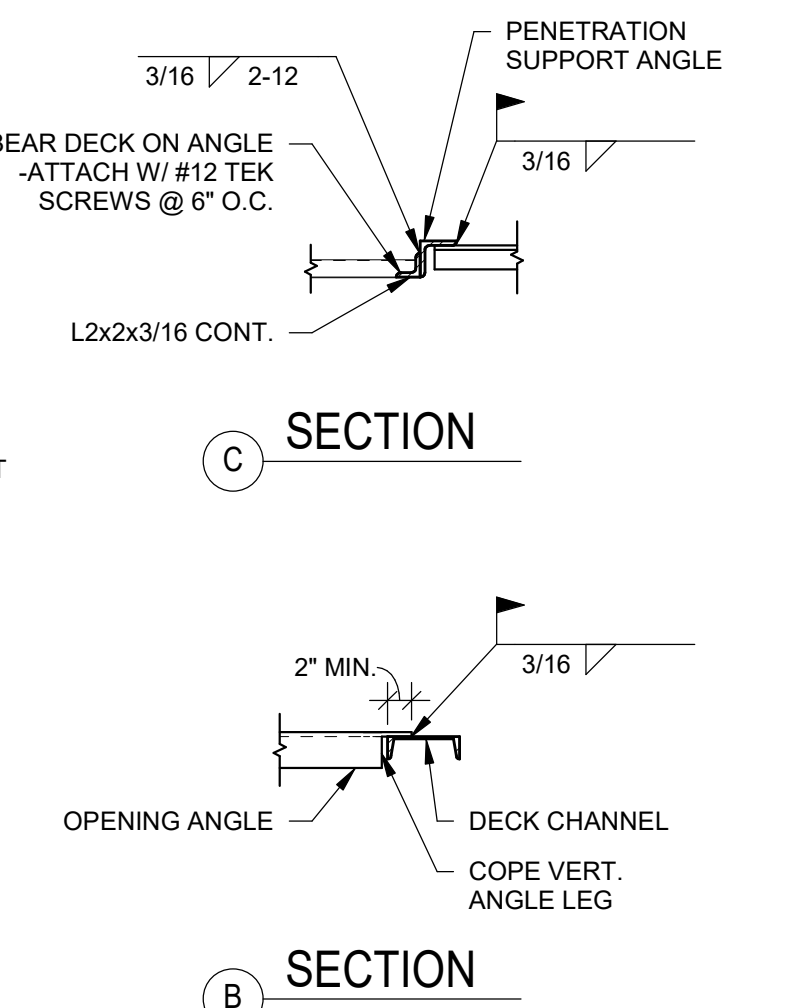


NOTES:  
1. LOCATE CURB OVER CHANNELS. SEE MECHANICAL DRAWINGS FOR EXACT SIZES & LOCATIONS.  
2. REMOVE DECK AT DUCT PENETRATION LOCATIONS AS REQUIRED. FIELD WELD NEW DECK SUPPORT ANGLES BETWEEN CHANNELS. DECK SUPPORT ANGLE MAY BE OMITTED IF EDGE OF PENETRATION IS WITHIN 6 INCHES OF A BEAM.

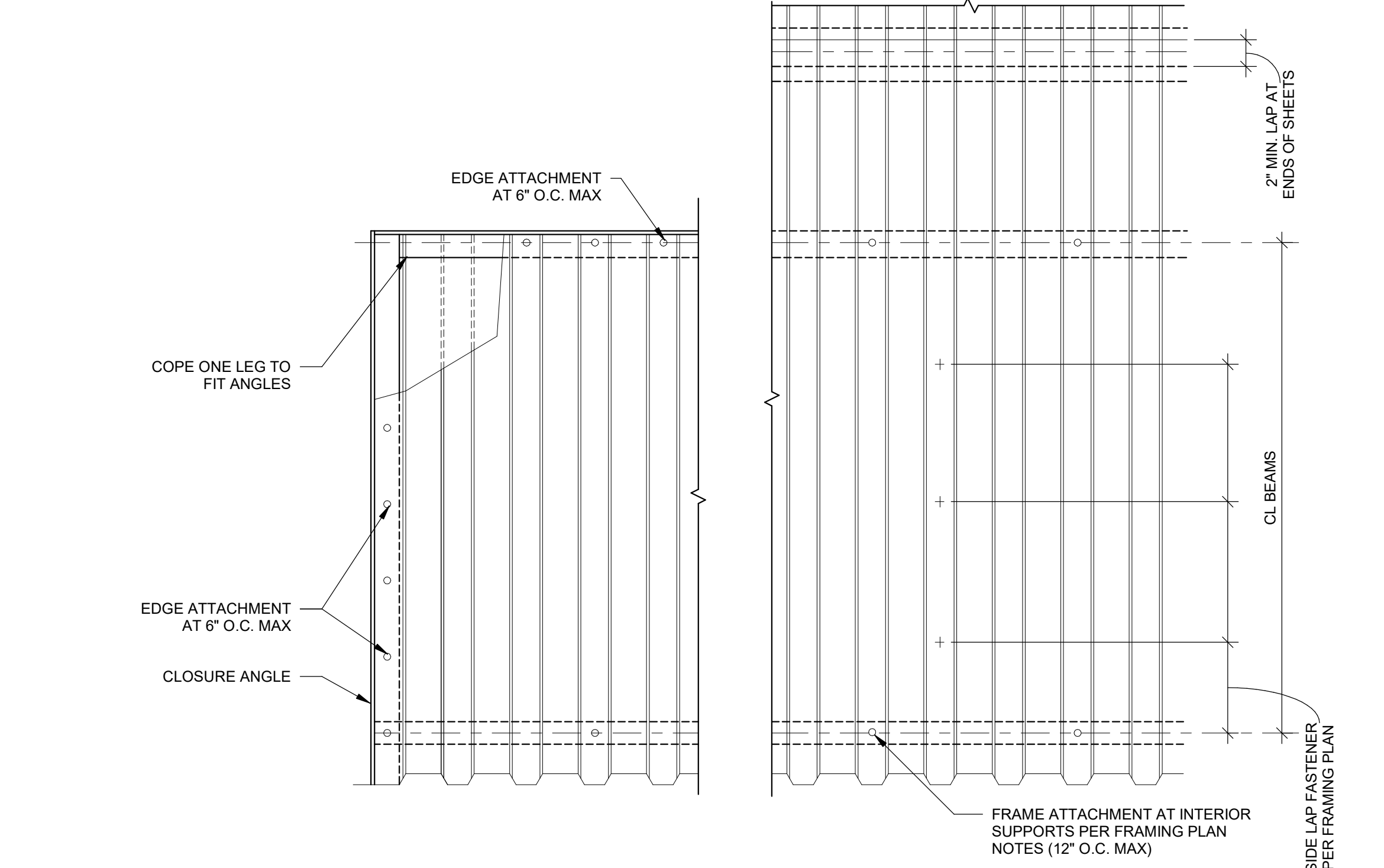
**7 TYPICAL MECHANICAL UNIT SUPPORT FRAMING DETAILS**  
S5.01 SCALE: 3/4" = 1'-0"



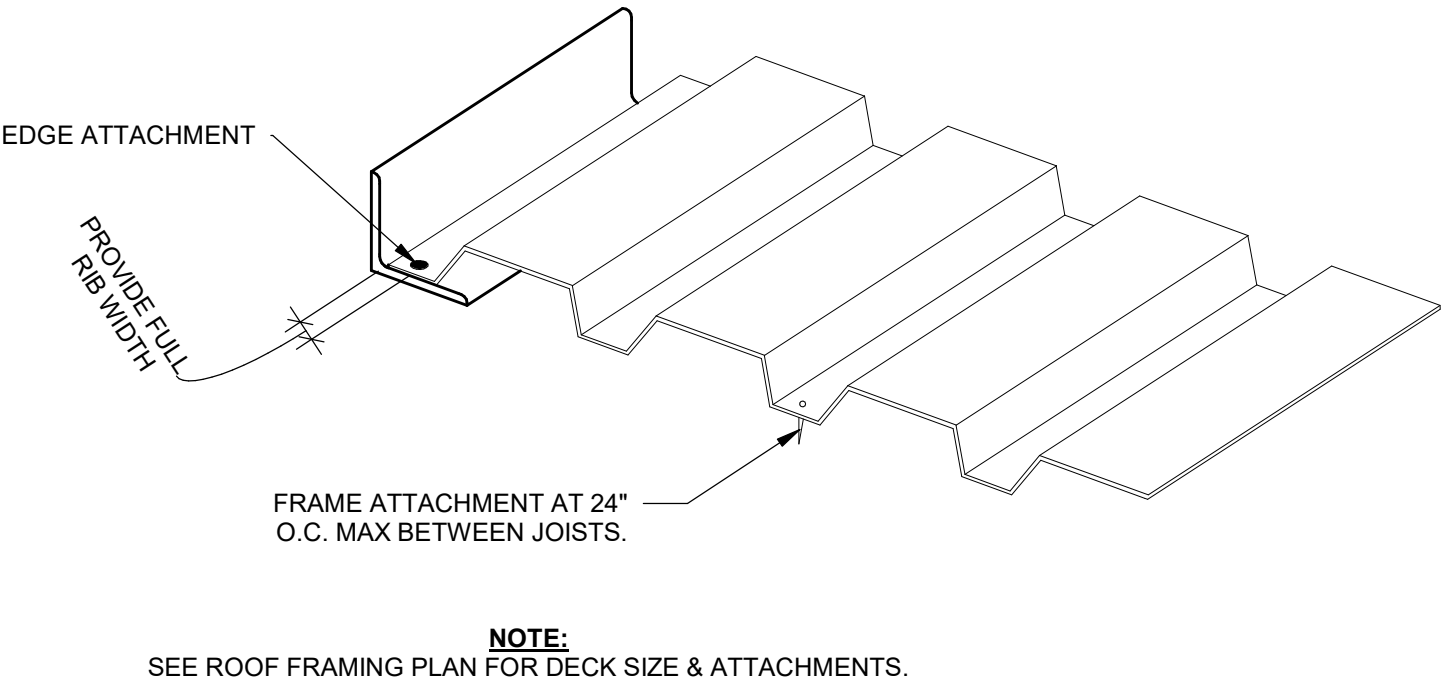
**5 ADD'L DECK REINF. AT GIRDER**  
S5.01 SCALE: 3/4" = 1'-0"



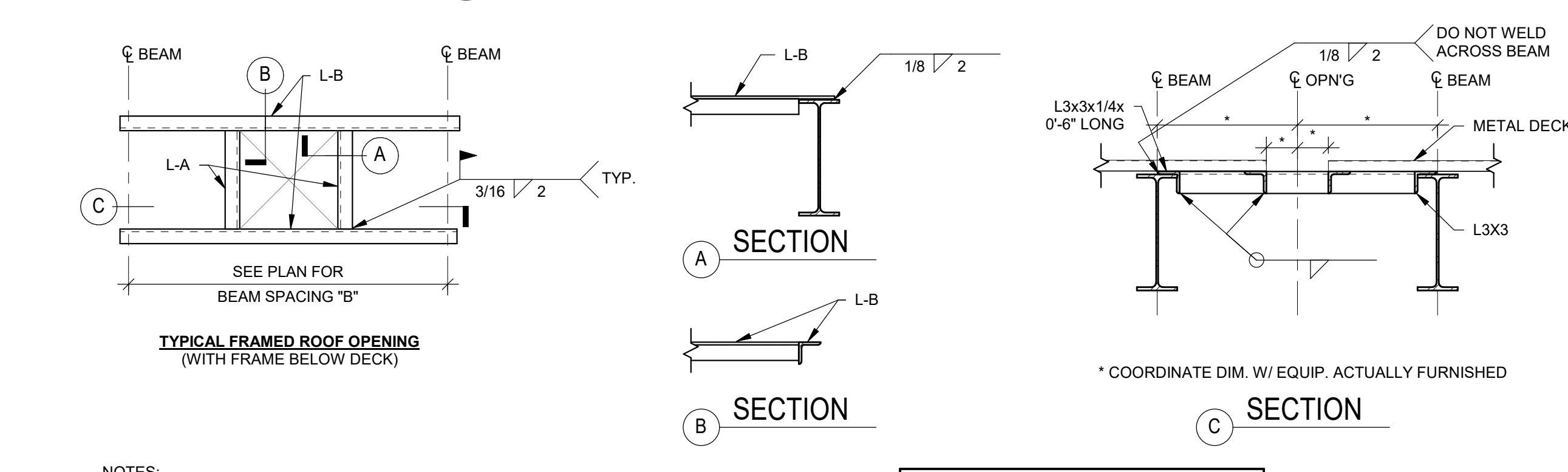
**8 TYPICAL ROOF DRAIN SUPPORT FRAMING DETAIL - BEAM**  
S5.01 SCALE: 3/4" = 1'-0"



**9 TYP. DECK ATTACHMENT DETAIL**  
S5.01 SCALE: 3/4" = 1'-0"



NOTE:  
DECK ATTACHMENT SHALL BE AS SPECIFIED ON PLANS AS EITHER:  
A. 5/8" DIA. PUDDLE WELDS. DECKS 22 GAUGE AND THINNER SHALL REQUIRE WELDING WASHERS.  
B. #12-14x3/4" HEX-WASHER HEAD SELF DRILLING SCREWS TEK.  
C. POWDER ACTUATED FASTENERS AS NOTED ON PLAN. PAF ARE BRAND AND MODEL SPECIFIC.  
ATTACHMENT SHALL NOT BE SUBSTITUTED FROM THAT SPECIFIED WITHOUT APPROVAL FROM THE ENGINEER OF RECORD.



**8 TYPICAL FRAMED ROOF OPENING**  
S5.01 SCALE: 3/4" = 1'-0"

ROOF OPENING FRAME SCHEDULE FOR ANGLE FRAMING			
DIM "A"	"L"-SIZE A	DIM "B"	"L"-SIZE B
2'-0"	3x3x3/16	4'-0"	3x3x3/16
3'-0"	3x3x3/16	5'-0"	3x3x1/4
4'-0"	3x3x3/16	6'-0"	3 1/2x3 1/2x1/4
5'-0"	3x3x3/16	7'-0"	4x4x5/16



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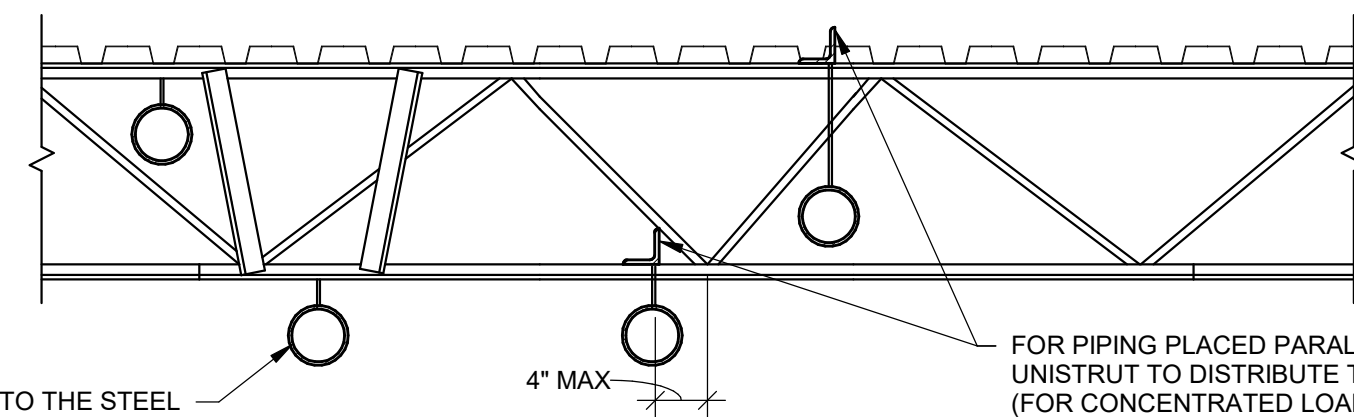
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Consulting Structural Engineers  
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ALL CONCENTRATED LOADS TO THE STEEL JOISTS, INCLUDING PIPING 2" DIA. TO 4" DIA. SHALL BE CONNECTED WITH 4" OF THE JOIST TOP OR BOTTOM CHORD PANEL POINT. ADD DIAGONAL ANGLE WHERE THE CONCENTRATED LOAD IS NOT WITHIN 4" OF A TOP OR BOTTOM CHORD PANEL POINT. WELD TO THE JOIST CHORDS.

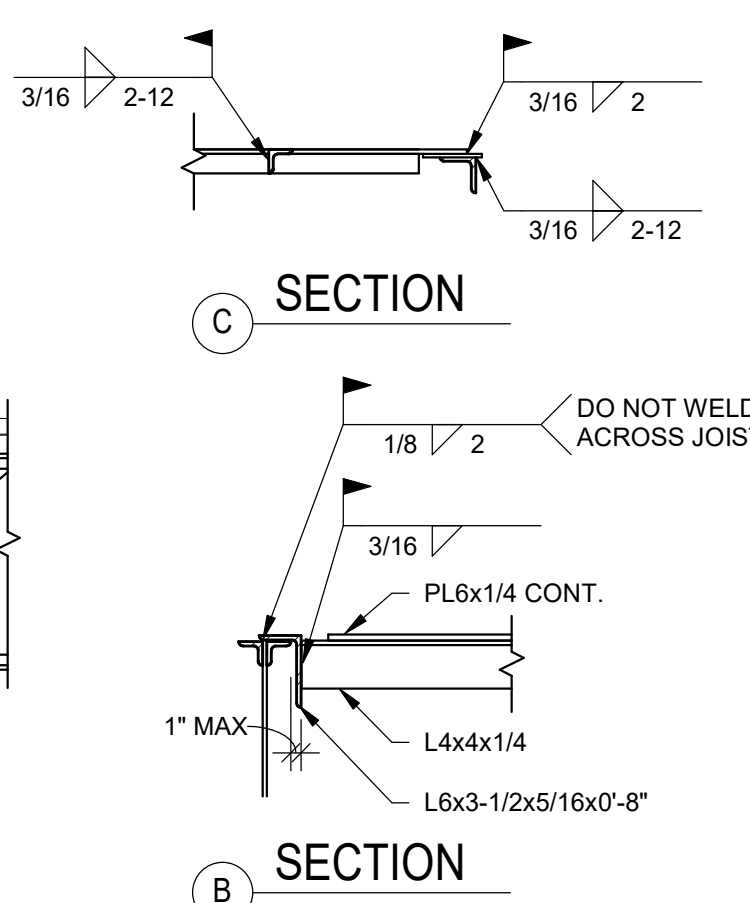
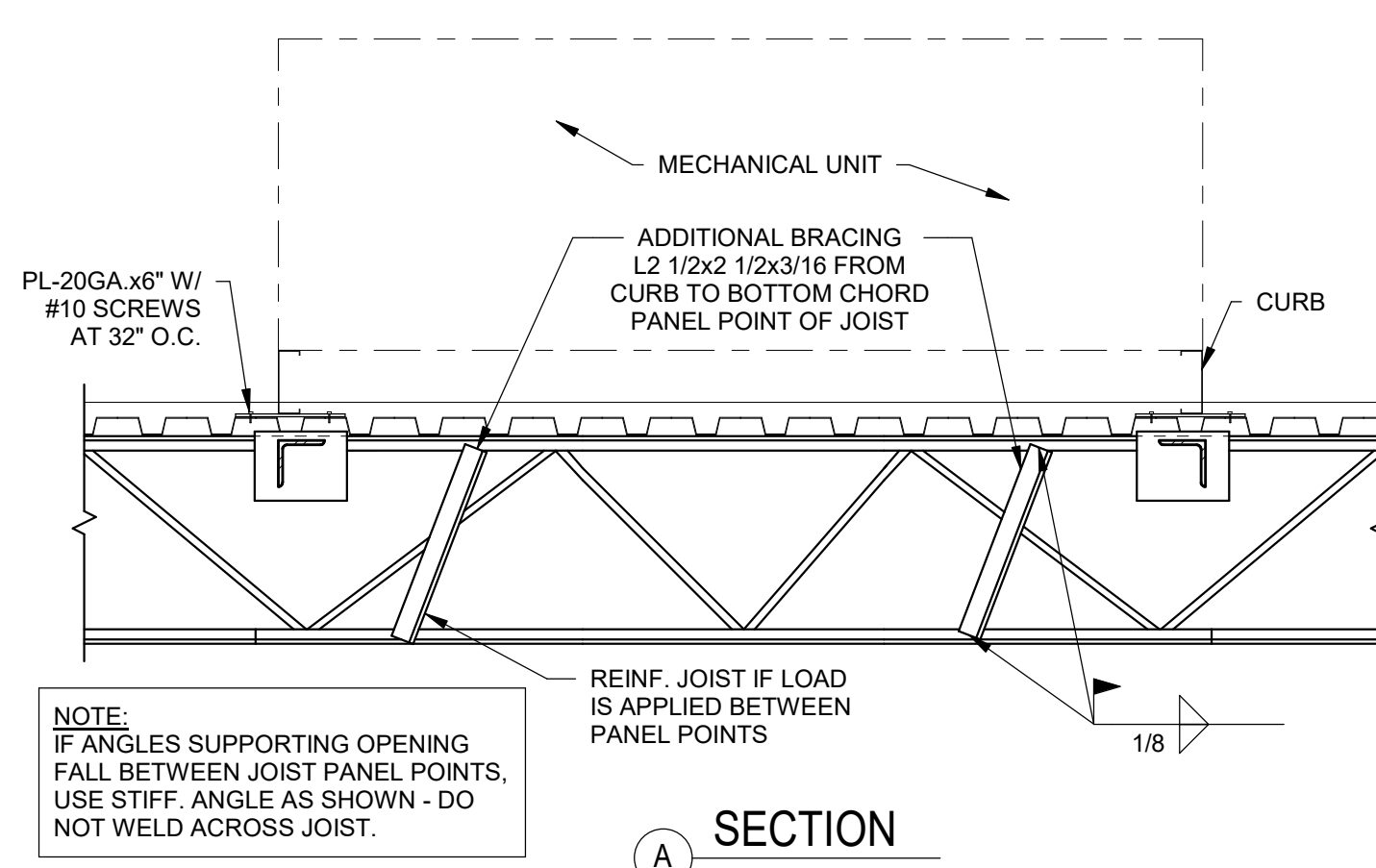
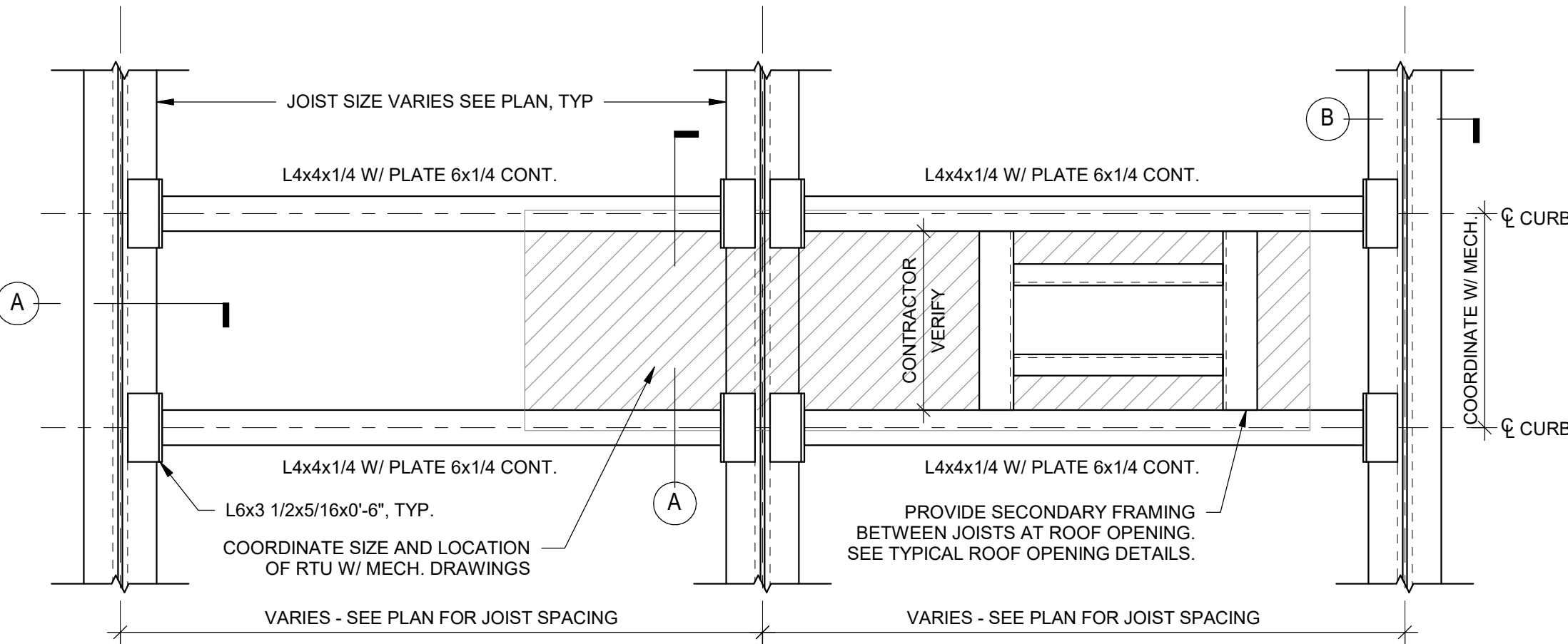


FOR PIPING PLACED PARALLEL TO JOIST, PLACE UNISTRUT TO DISTRIBUTE TO A MINIMUM OF TWO JOISTS (FOR CONCENTRATED LOADS DUE TO LARGE PIPES OVER 4" DIA. OR A COLLECTION OF SMALLER PIPES, VERIFY WITH STRUCTURAL ENGINEER BEFORE PLACING.)

NOTE:  
 1. WHERE HANGERS OCCUR MORE THAN 4" FROM PANEL POINTS, SEE JOIST REINFORCEMENT DETAILS FOR ADD'L ANGLE STRUT ON EACH SIDE OF JOIST.  
 2. DO NOT ATTACH PIPES GREATER THAN 4" IN DIAMETER TO JOISTS. NOTIFY E.O.R. & JOIST MFR. TO VERIFY JOIST CAPACITY.  
 3. GC SHALL BE RESPONSIBLE FOR THE DESIGN OF PIPE SUPPORTS & CONNECTIONS U.N.O.  
 4. PIPES 4" & SMALLER SHALL BE ATTACHED TO JOISTS @ EVERY OTHER JOIST OR 12'-0" O.C. MAX. PIPES LARGER THAN 4" SHALL BE ATTACHED AT EVERY JOIST OR 6'-0" O.C. & REQUIRE E.O.R. APPROVAL.

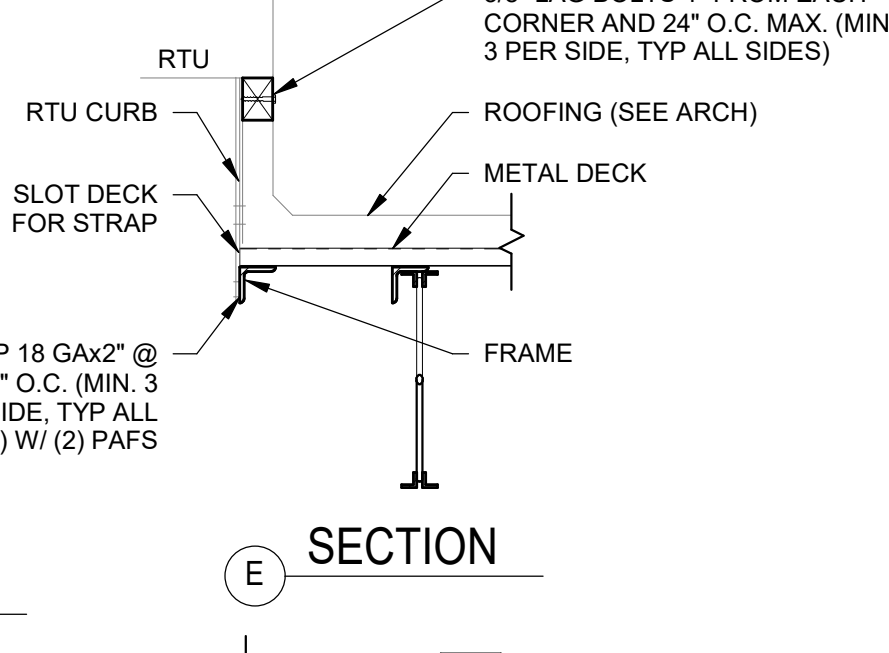
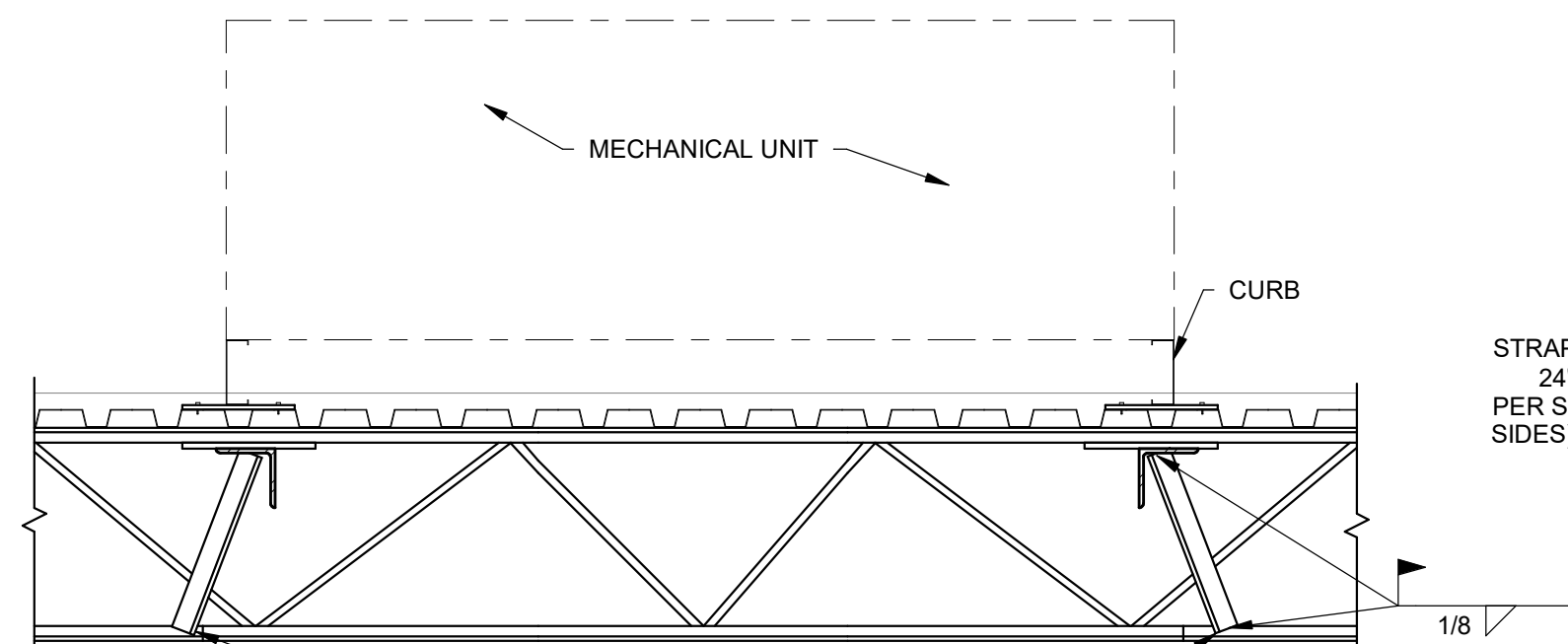
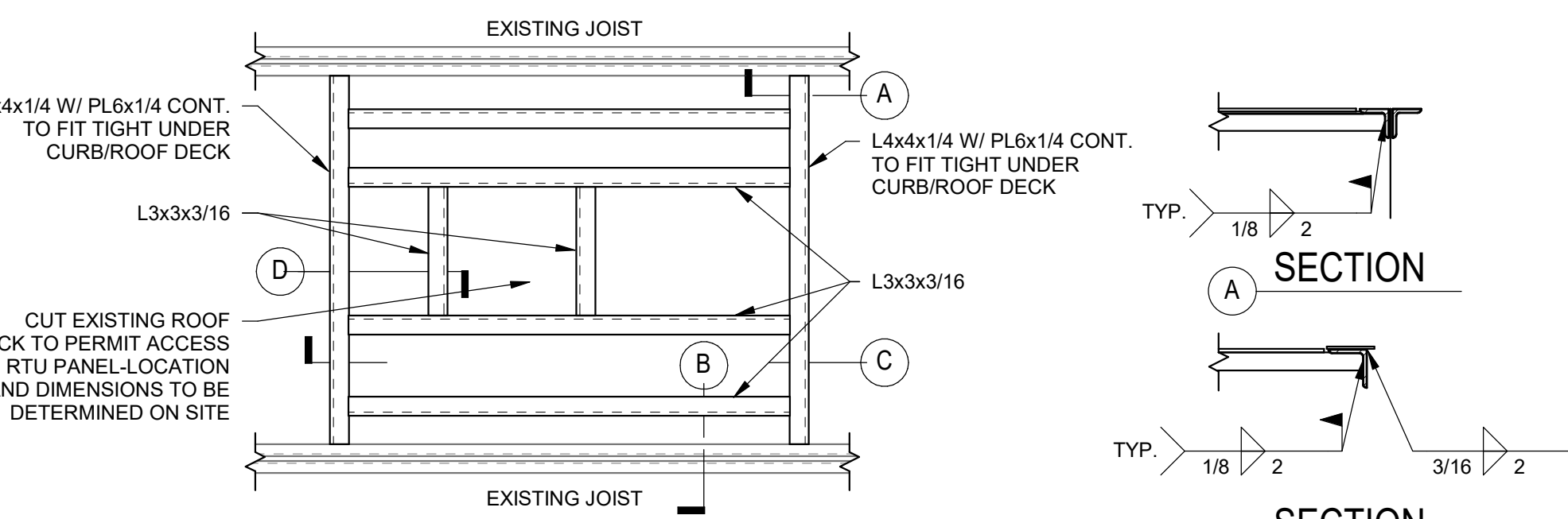
### 1 SPECIFIC HANGER REQUIREMENTS FOR STEEL JOISTS

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



### 3 TYPICAL MECHANICAL UNIT SUPPORT FRAMING DETAILS

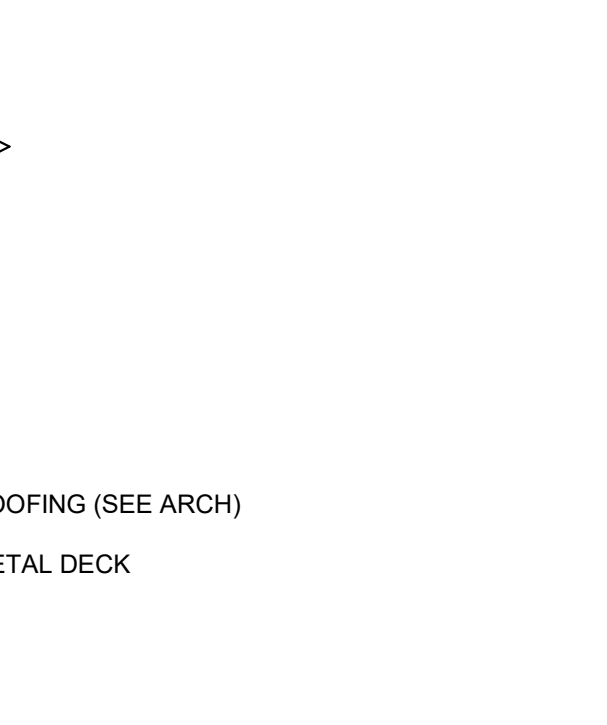
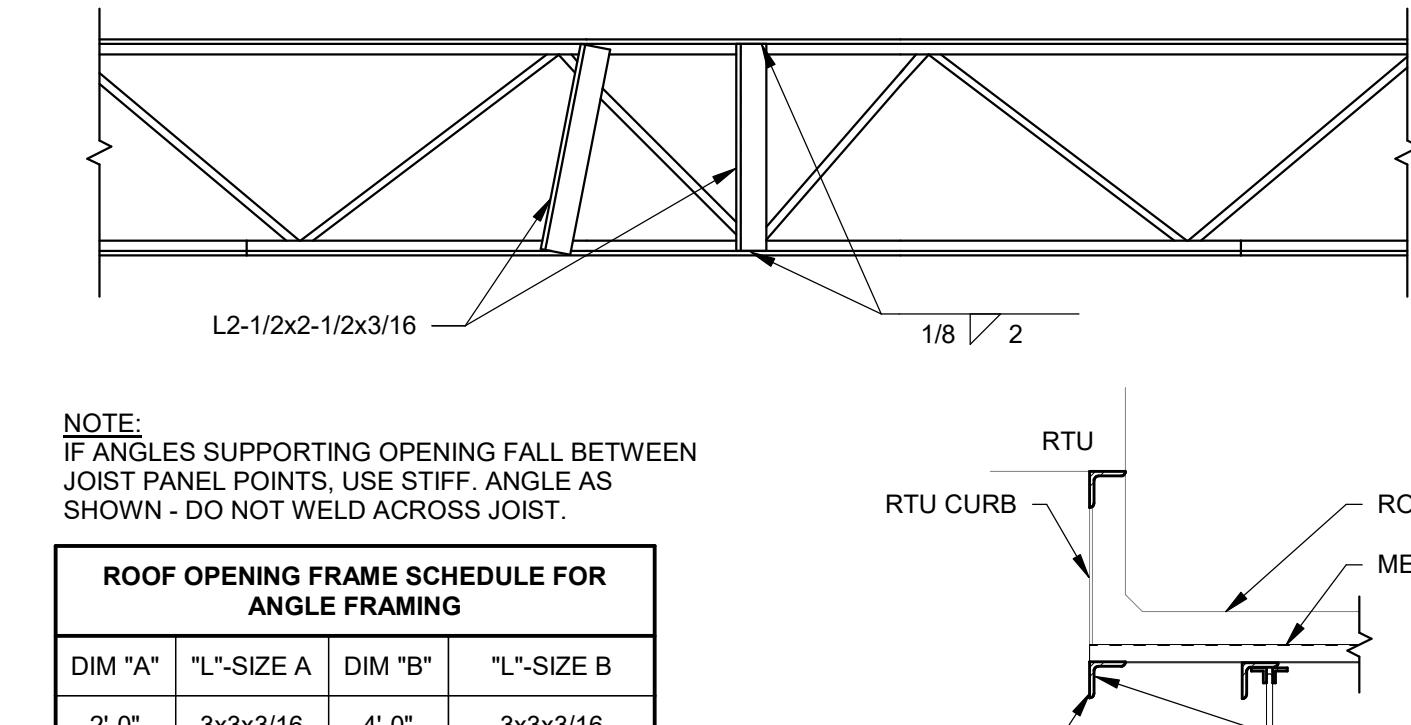
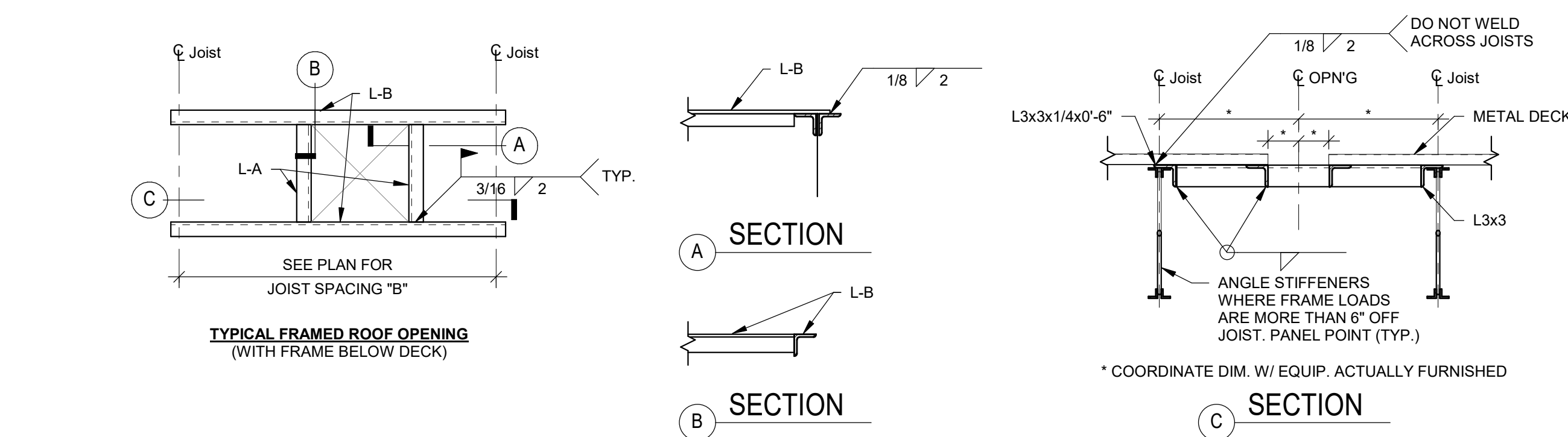
SCALE: 3/4" = 1'-0"



NOTES:  
 1. FRAMED OPENING REQUIRED IN ROOF FOR ALL OPENINGS GREATER THAN 0'-6" AND/OR SUPPORTING EQUIPMENT GREATER THAN 100 POUNDS.  
 2. COORDINATE TYPE OF OPENING REQUIRED WITH APPROPRIATE MANUFACTURER.  
 3. SEE ROOF FRAMING PER PLAN ORIENTATION.  
 4. WHEN JOIST BRIDGING INTERFERES WITH ROOF OPENING, STOP BRIDGING AT EACH SIDE OF OPENING AND REPLACE WITH ONE RUN OF "X" BRIDGING EACH SIDE OF OPENING. EXTEND ADDITIONAL "X" BRIDGING ONE JOIST SPACE EACH SIDE OF OPENING ADJACENT TO THE OPENING PER SJI.

### 5 TYPICAL FRAMED ROOF OPENING DETAILS

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



NOTE: IF ANGLES SUPPORTING OPENING FALL BETWEEN JOIST PANEL POINTS, USE STIFF ANGLE AS SHOWN - DO NOT WELD ACROSS JOIST.

ROOF OPENING DIM. W/ EQUIP. ACTUALLY FURNISHED	"L"-SIZE A	DIM "B"	"L"-SIZE B
2'-0"	3x3x3/16	4'-0"	3x3x3/16
3'-0"	3x3x3/16	5'-0"	3x3x1/4
4'-0"	3x3x3/16	6'-0"	3 1/2x3 1/2x1/4
5'-0"	3x3x3/16	7'-0"	4x4x5/16

NOTES:  
 1. FRAMED OPENING REQUIRED IN FLOOR FOR ALL OPENINGS GREATER THAN 0'-6" AND/OR SUPPORTING EQUIPMENT GREATER THAN 100 POUNDS.  
 2. COORDINATE TYPE OF OPENING REQUIRED WITH APPROPRIATE MANUFACTURER.  
 3. SEE ROOF FRAMING PER PLAN ORIENTATION.  
 4. WHEN JOIST BRIDGING INTERFERES WITH FLOOR OPENING, STOP BRIDGING AT EACH SIDE OF OPENING AND REPLACE WITH ONE RUN OF "X" BRIDGING EACH SIDE OF OPENING. EXTEND ADDITIONAL "X" BRIDGING ONE JOIST SPACE EACH SIDE OF OPENING ADJACENT TO THE OPENING PER SJI.

### 7 TYP. FRAMED ROOF OPENING DETAILS

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



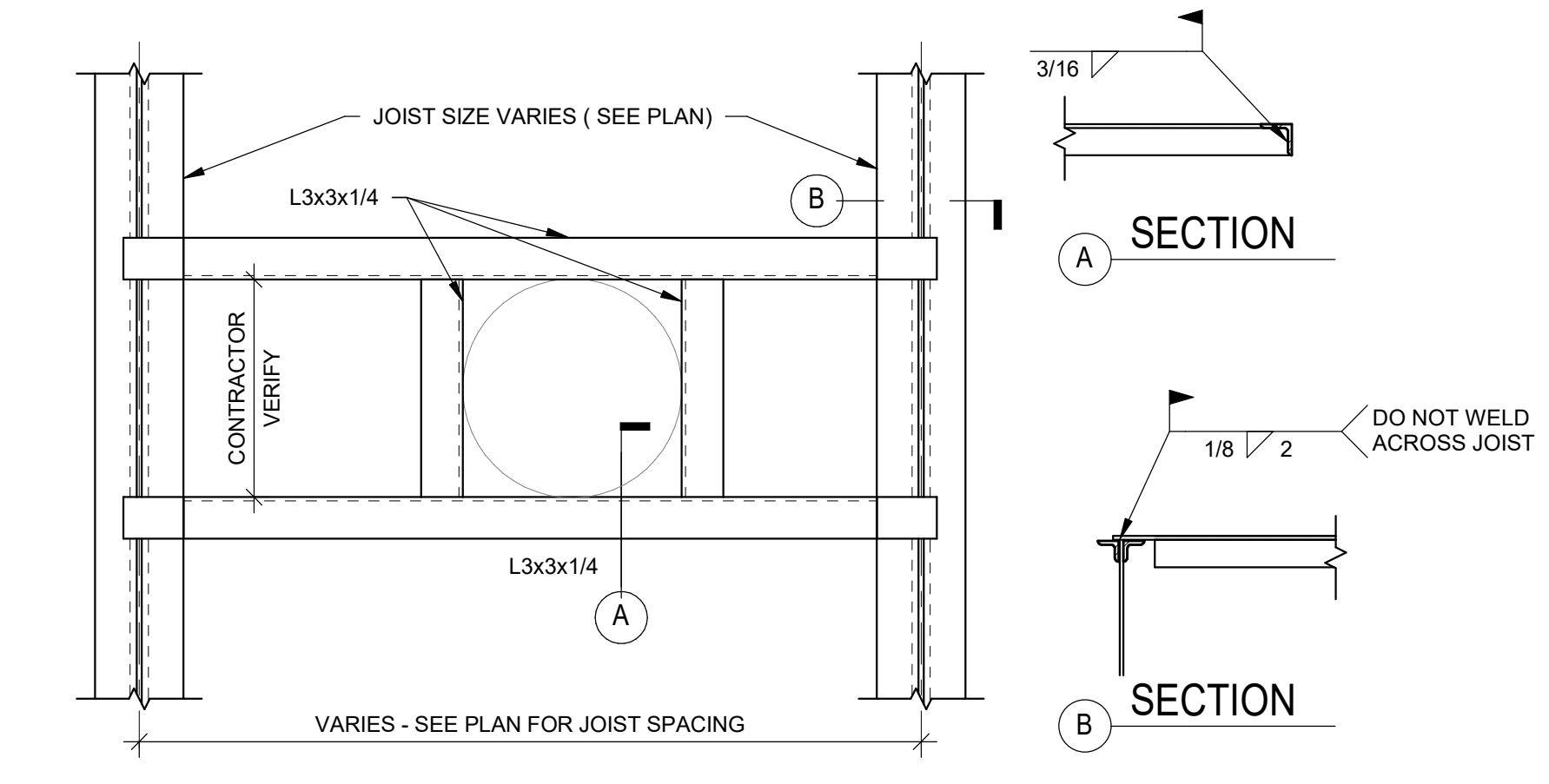
NOTE:  
 1. INSTALL STIFFENER ANGLE AS SHOWN WHERE CONCENTRATED LOADS ARE APPLIED TO JOIST MORE THAN 4" FROM A JOIST PANEL POINT. (DO NOT WELD ACROSS JOIST CHORDS)  
 2. WHERE LOAD EXCEEDS 50 LBS. NOTIFY E.O.R. & JOIST MFR. IF LOAD IS NOT INDICATED ON CONTRACT OR SHOP DRAWINGS.

### 8 TYPICAL PLACEMENT OF WATER PIPES SUPPORTED BY JOISTS

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

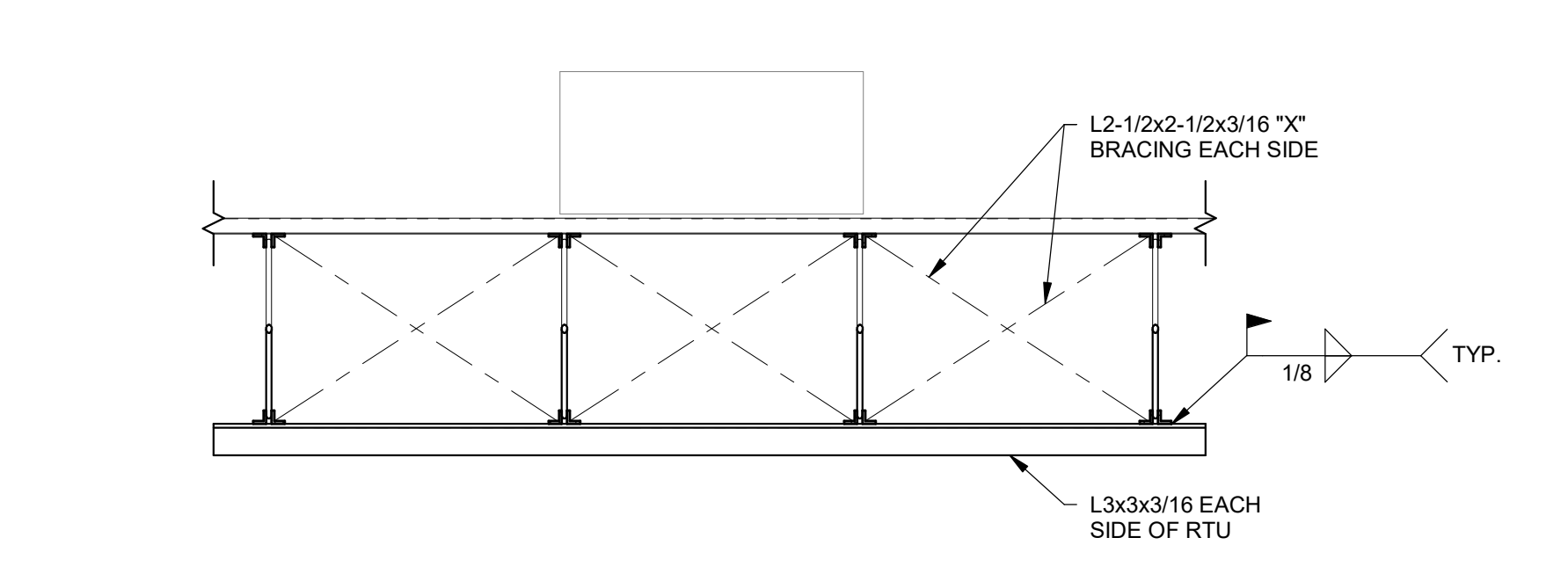
### 2 TYP. JOIST REINFORCEMENT DETAIL

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



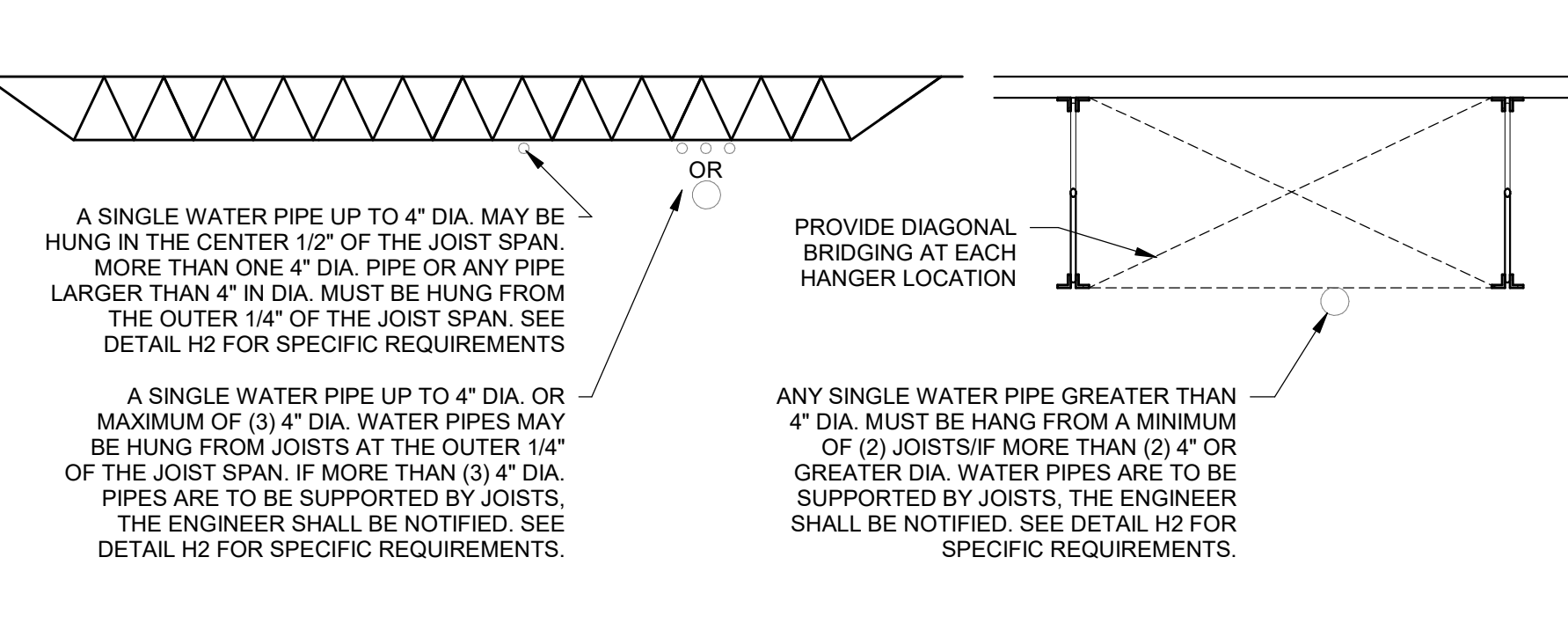
### 4 TYPICAL ROOF DRAIN SUPPORT FRAMING DETAIL

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



### 6 TYPICAL ROOF CURB SUPPORT FRAMING DETAIL

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



### 8 TYPICAL PLACEMENT OF WATER PIPES SUPPORTED BY JOISTS

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



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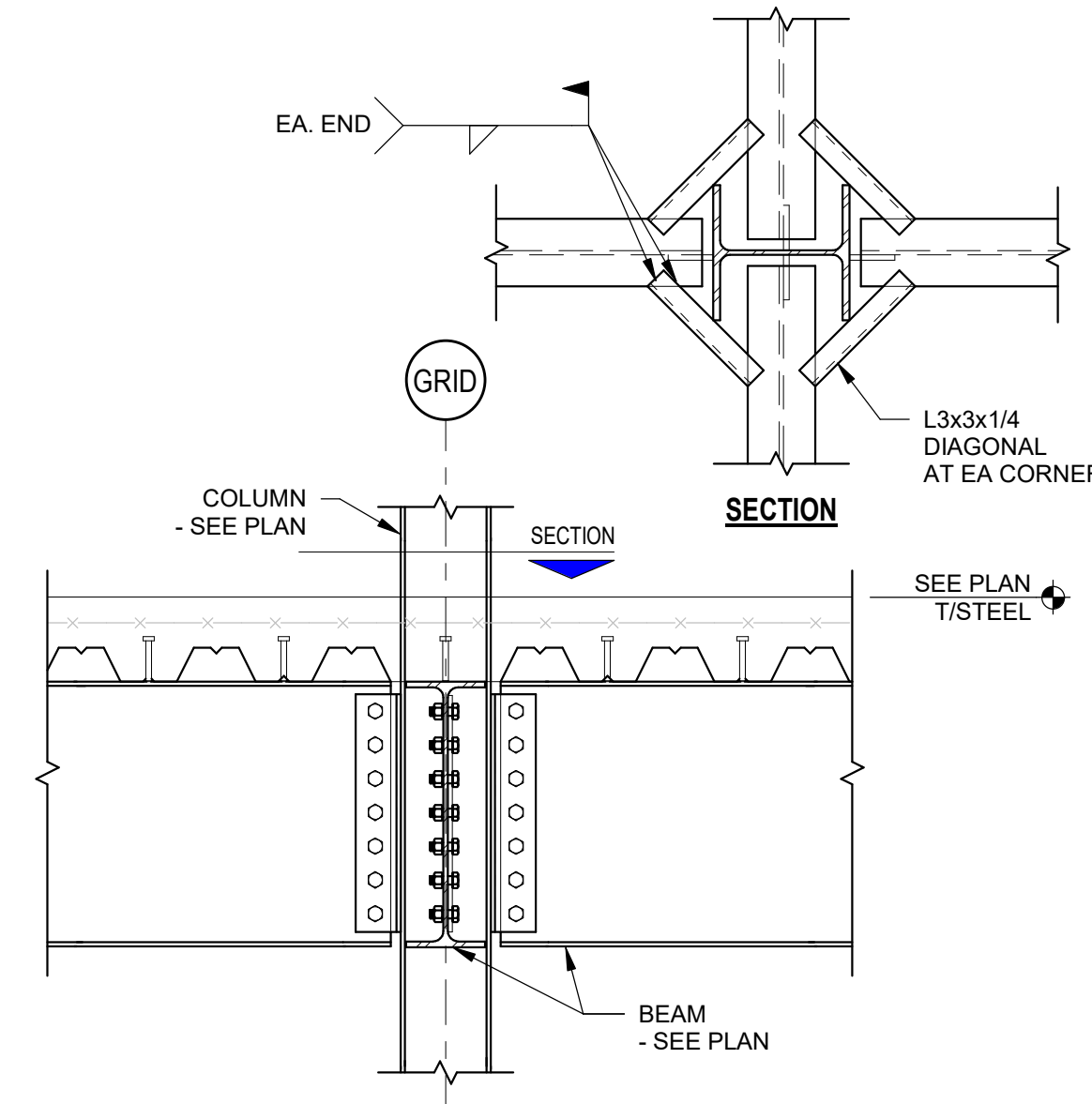
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 TYPICAL JOIST DETAILS

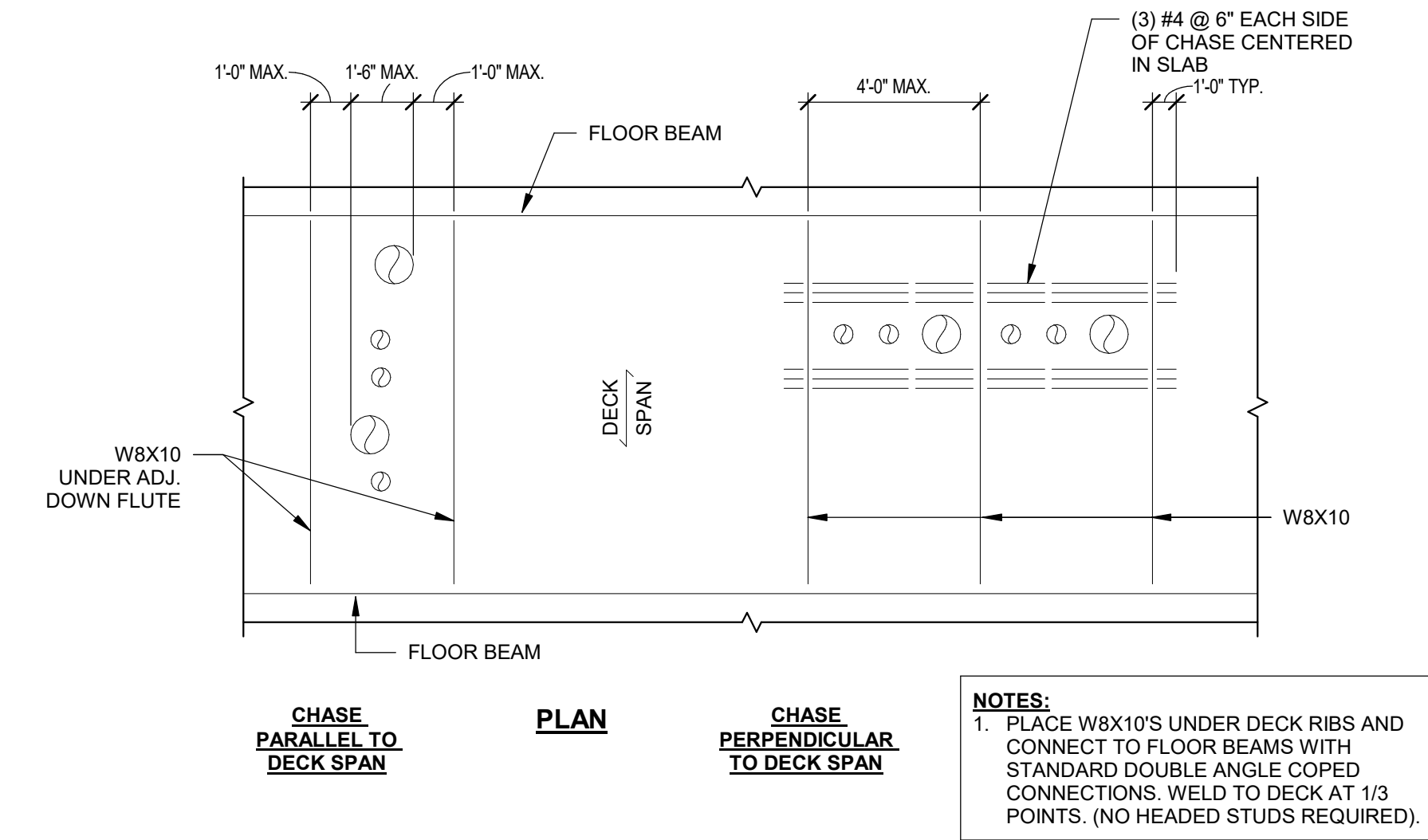
DRAWING NUMBER

**S5.02**

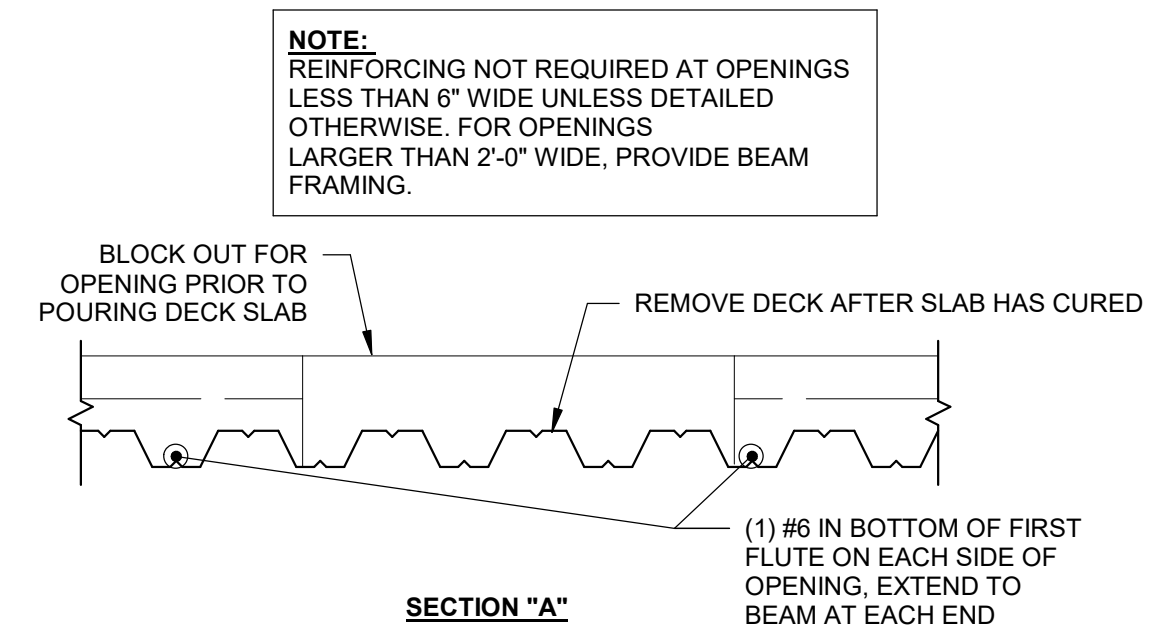
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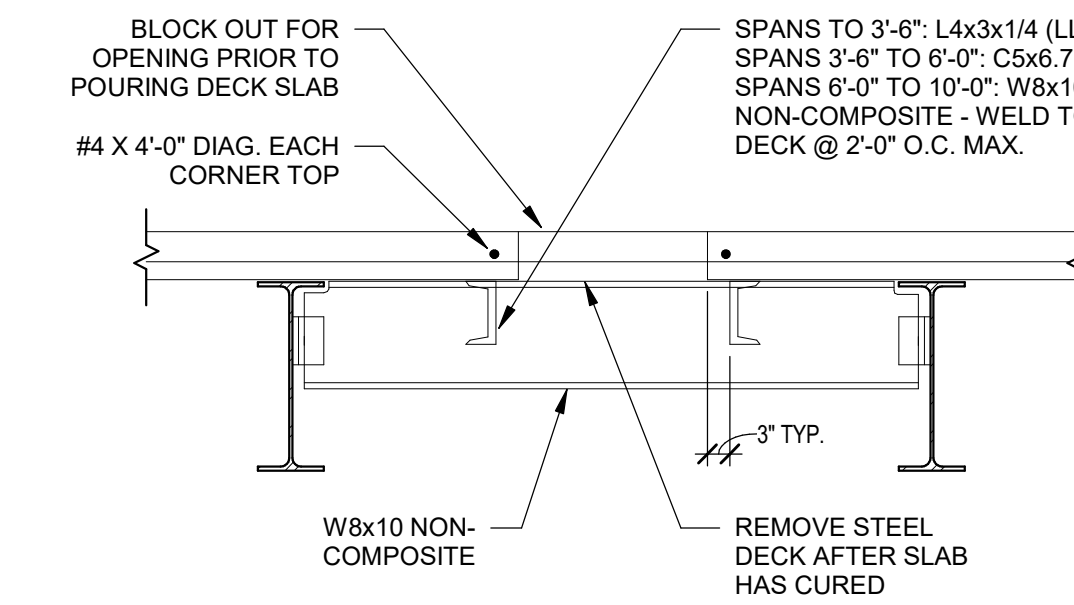
**1 TYP. COLUMN AT SLAB ON DECK**  
SCALE: 3/4" = 1'-0"



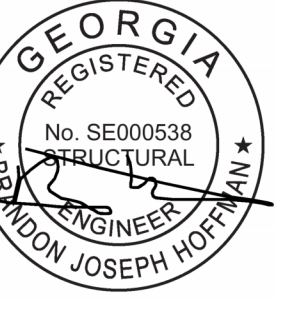
**2 OPENINGS IN SLAB ON DECK**  
SCALE: NO SCALE



**3 LARGE OPENINGS IN FLOOR DECK**  
SCALE: NO SCALE



**4 OPENINGS IN FLOOR DECK**  
SCALE: NO SCALE



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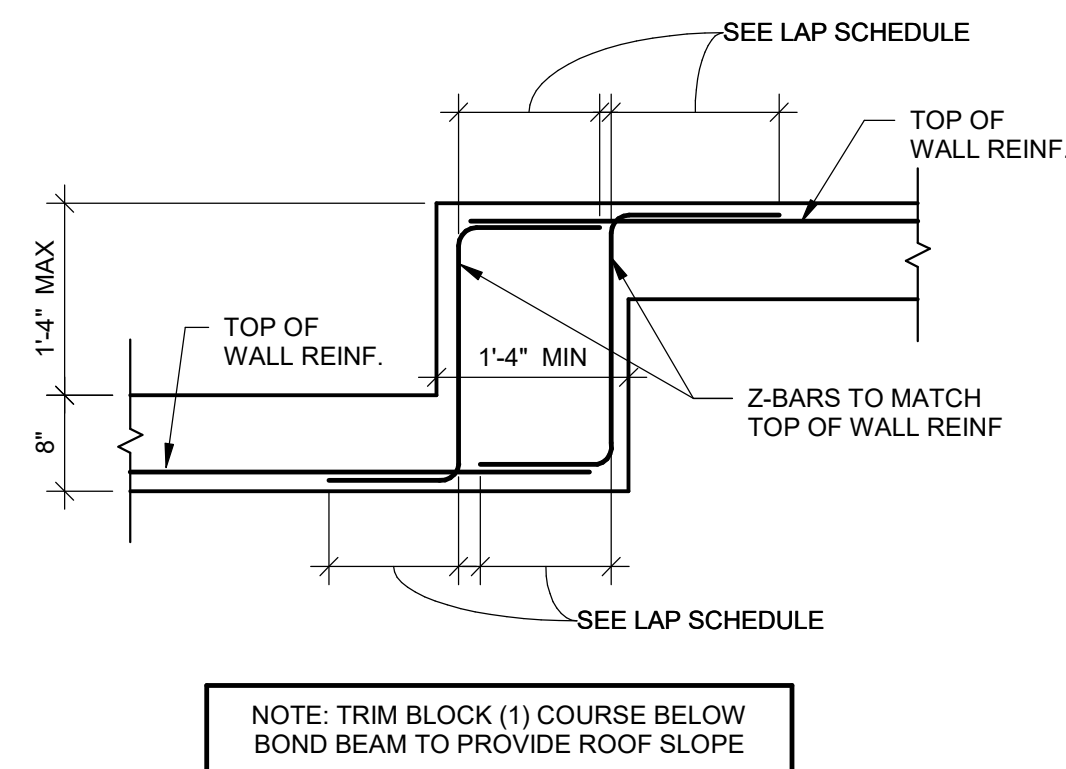
REVISIONS:


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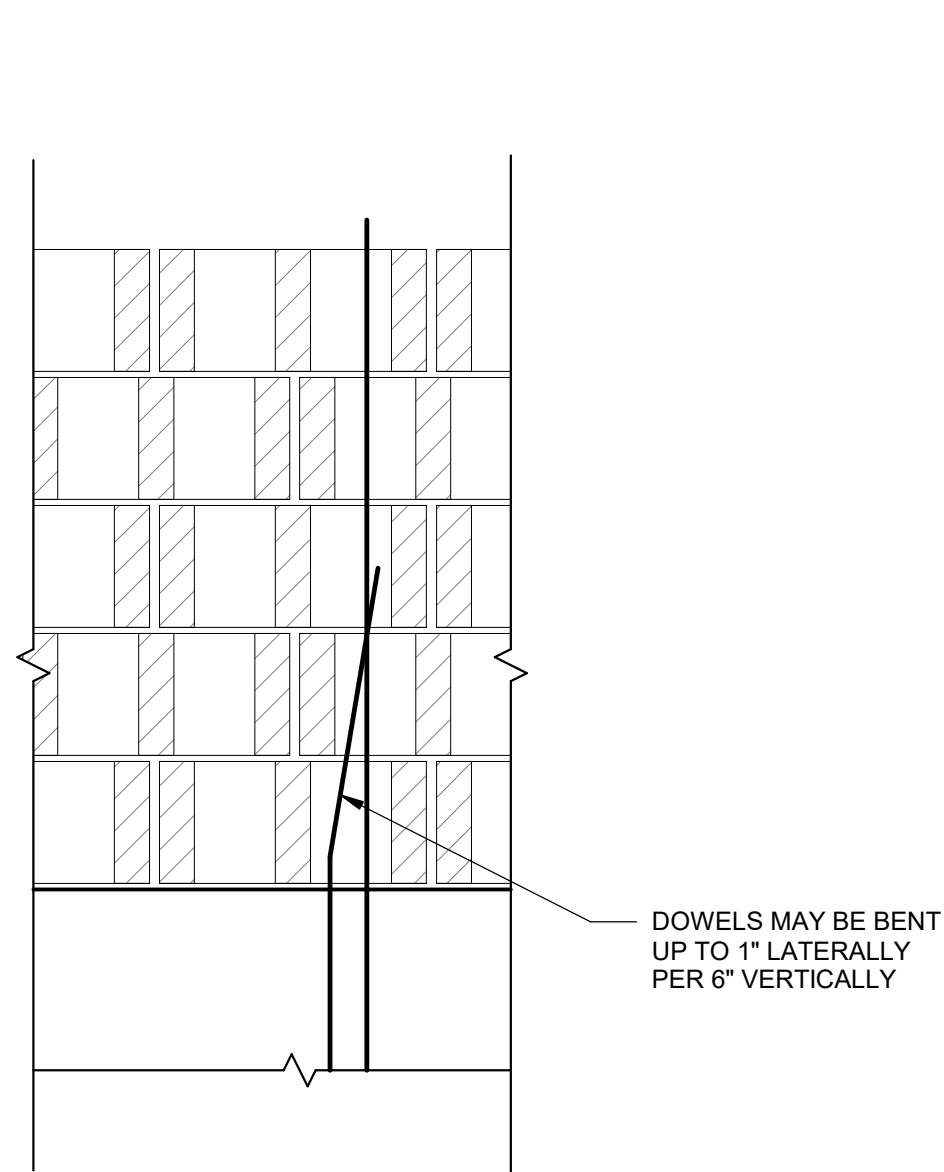
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COMPOSITE STEEL TYPICAL DETAILS

DRAWING NUMBER

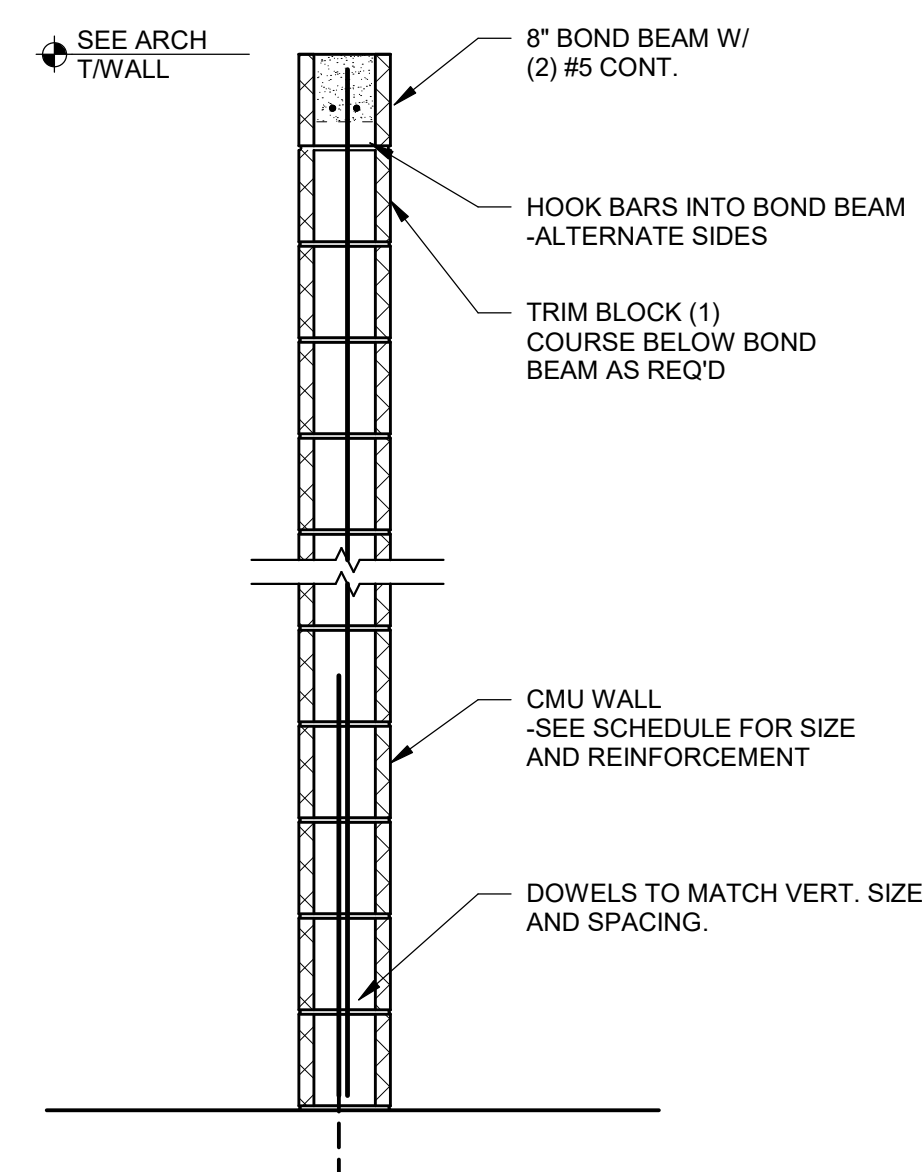
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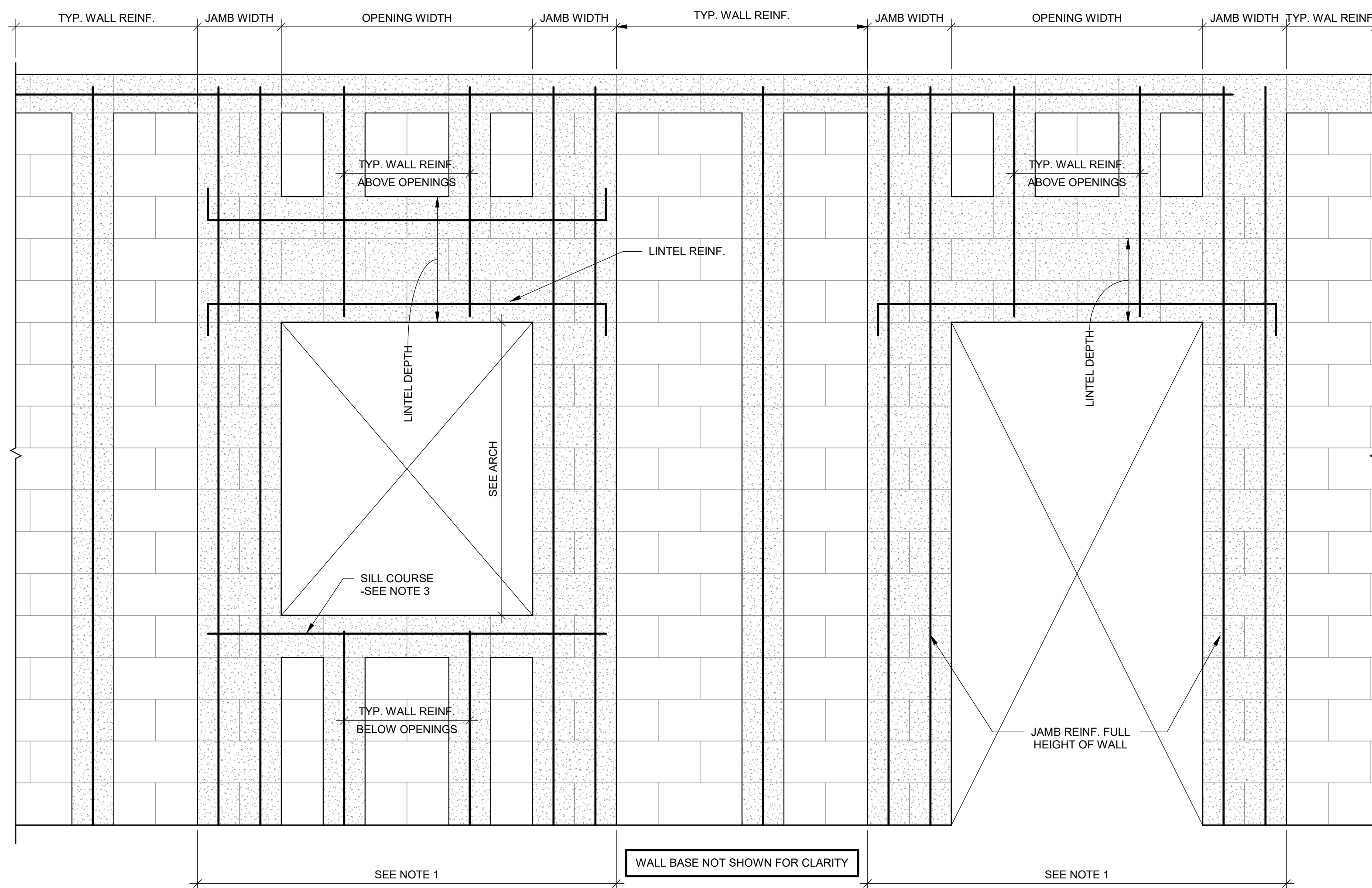
**1**  
S6.01  
**TYP. STEP IN CMU**  
SCALE: 3/4" = 1'-0"



**2**  
S6.01  
**PERMISSIBLE BENDING OF FOUNDATION DOWELS**  
SCALE: 1" = 1'-0"

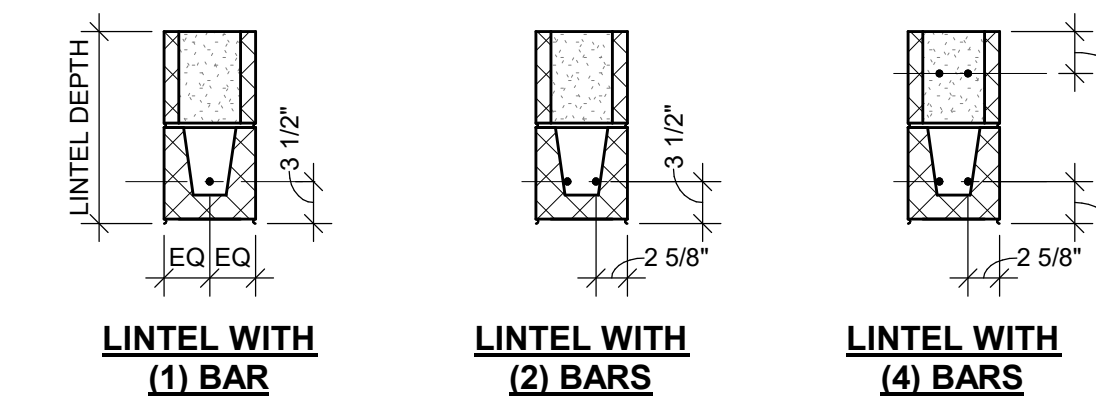


**3**  
S6.01  
**TYP. CMU STRUCTURAL WALLS**  
SCALE: 3/4" = 1'-0"



NOMINAL WALL THICKNESS	OPENING WIDTH (MAX)	LINTEL		JAMBS		NOTES
		DEPTH	REINF.	WIDTH	REINF. (EA. CELL)	
8"	4'-0"	8"	(2) #5	16"	#5 CENTERED	INTERIOR

- NOTES:**
- DO NOT PLACE CONTROL JOINTS WITHIN OPENING OR JAMB REGIONS.
  - GROUT SOLID ALL CELLS CONTAINING REINFORCEMENT.
  - SILL COURSE AS REQ'D.
  - A. 12" CMU = (2) #6 CONT. (10'-0" MAX)
  - B. 8" CMU = (2) #5 CONT. (8'-0" MAX)
  - C. 6" CMU = (1) #5 CONT. (6'-0" MAX)
  - NOTIFY STRUCTURAL ENGINEER OF RECORD IF OPENING WIDTHS EXCEED THOSE SCHEDULED.
  - AT 12" CMU, SPACE BOND BEAMS WITH (2) #6 AT 45" O.C. VERTICALLY ABOVE AND BELOW OPENINGS, TYP.

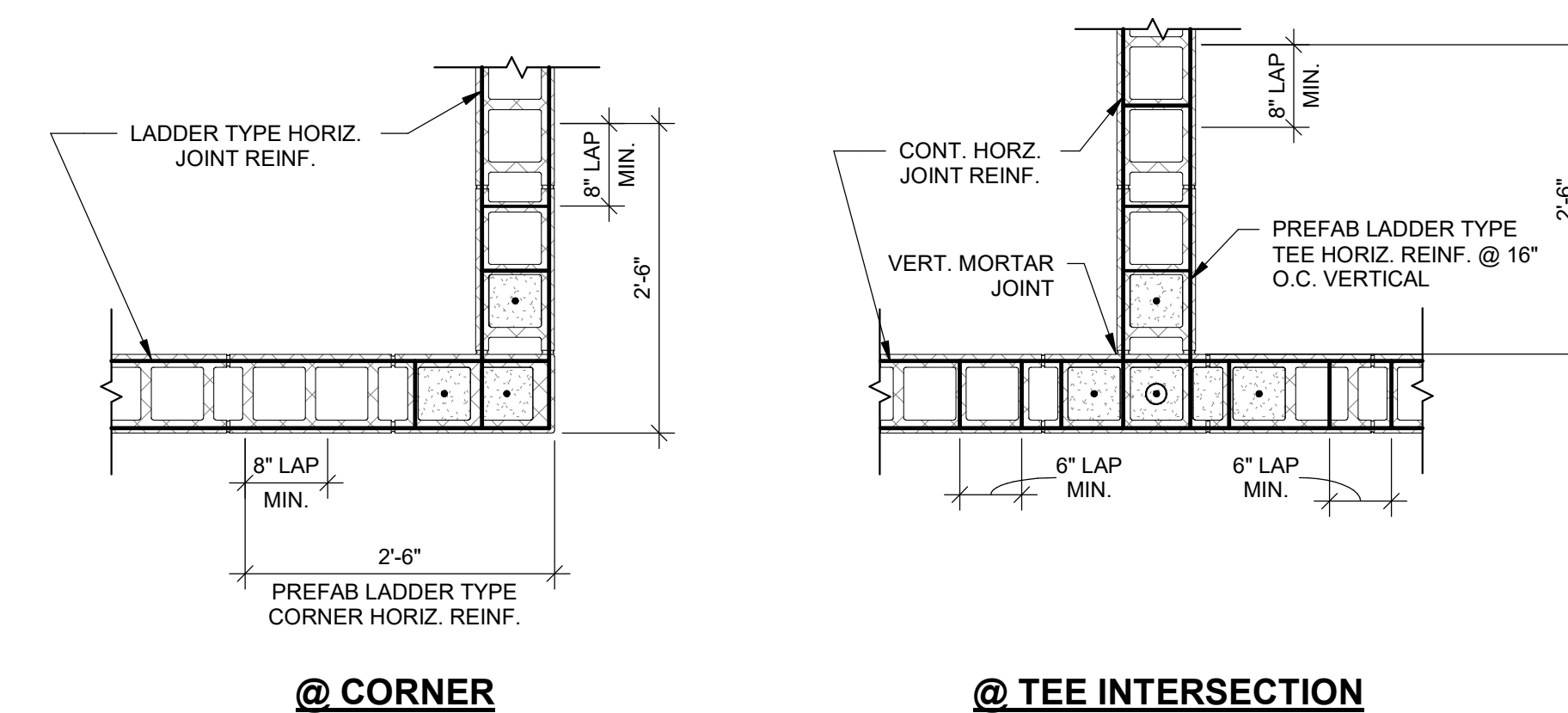
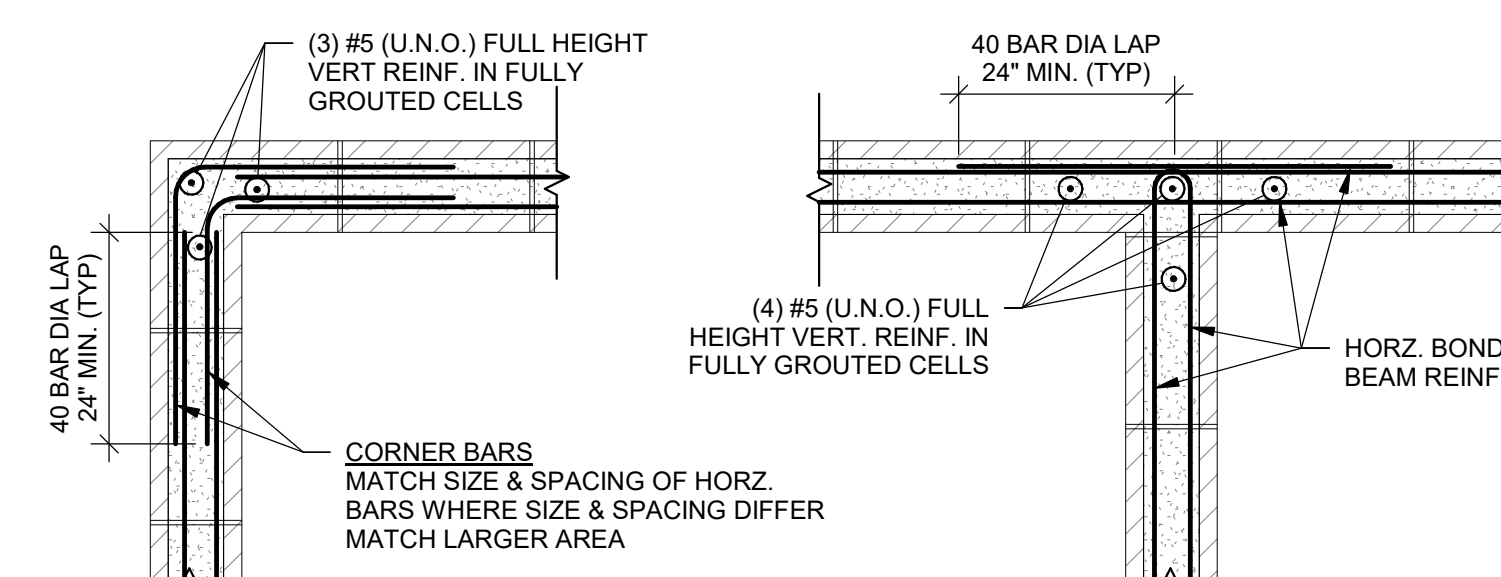


**4**  
S6.01  
**TYP. CMU OPENING SCHEDULE**  
SCALE: 3/4" = 1'-0"

BAR TYPE	BAR SIZE AND LAP LENGTH			
	#3	#4	#5	#6
FILLED 8" CMU CELLS (SINGLE BAR)	16"	21"	32"	54"
FILLED 12" CMU CELLS (SINGLE BAR)	16"	21"	26"	40"
FILLED 12" CMU CELLS (DOUBLE BARS)	19"	34"	45"	54"

- NOTES:**
- THESE VALUES ARE ADEQUATE FOR REGULAR WEIGHT CONCRETE THEY MAY BE MULTIPLIED BY 1.3 IF LIGHT WEIGHT CONCRETE IS USED.
  - THESE VALUES ARE ADEQUATE FOR BARS WITHOUT EPOXY COATING.
  - THESE VALUES APPLY TO MASONRY w/ f<sub>m</sub> = 1,500 PSI.
  - TMS 402/ACI 530/ASCE 5 ALLOW OPTIONAL REINFORCING SPLICES AS FOLLOWS:
    - A WELDED SPLICE WHEREBY BARS ARE BUTTED AND WELDED TO DEVELOP IN TENSION 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.
    - MECHANICAL CONNECTIONS THAT ARE CAPABLE OF DEVELOPING 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.

- LOW LIFT GROUTING PROCEDURE:**
- CONSTRUCT WALL TO HEIGHT OF 5'-0". ALLOW MORTAR TO SET SUFFICIENTLY TO WITHSTAND GROUT PRESSURE.
  - INSPECT UNITS FOR ALIGNMENT, CLEAN OUT CELLS TO BE FILLED.
  - FILL CELLS TO 1/2" BELOW TOP COURSE.
  - DELAY 3 TO 5 MINUTES PRIOR TO CONSOLIDATING TO ALLOW WATER TO BE ABSORBED BY MASONRY.
  - VERTICAL REINFORCING PRE-MANUFACTURED REBAR POSITIONER SHALL BE LOCATED AT THE TOP OF THE FIRST COURSE AT THE COURSE BELOW THE TOP OF THE WALL AND 4'-0" O.C. (MAX.)

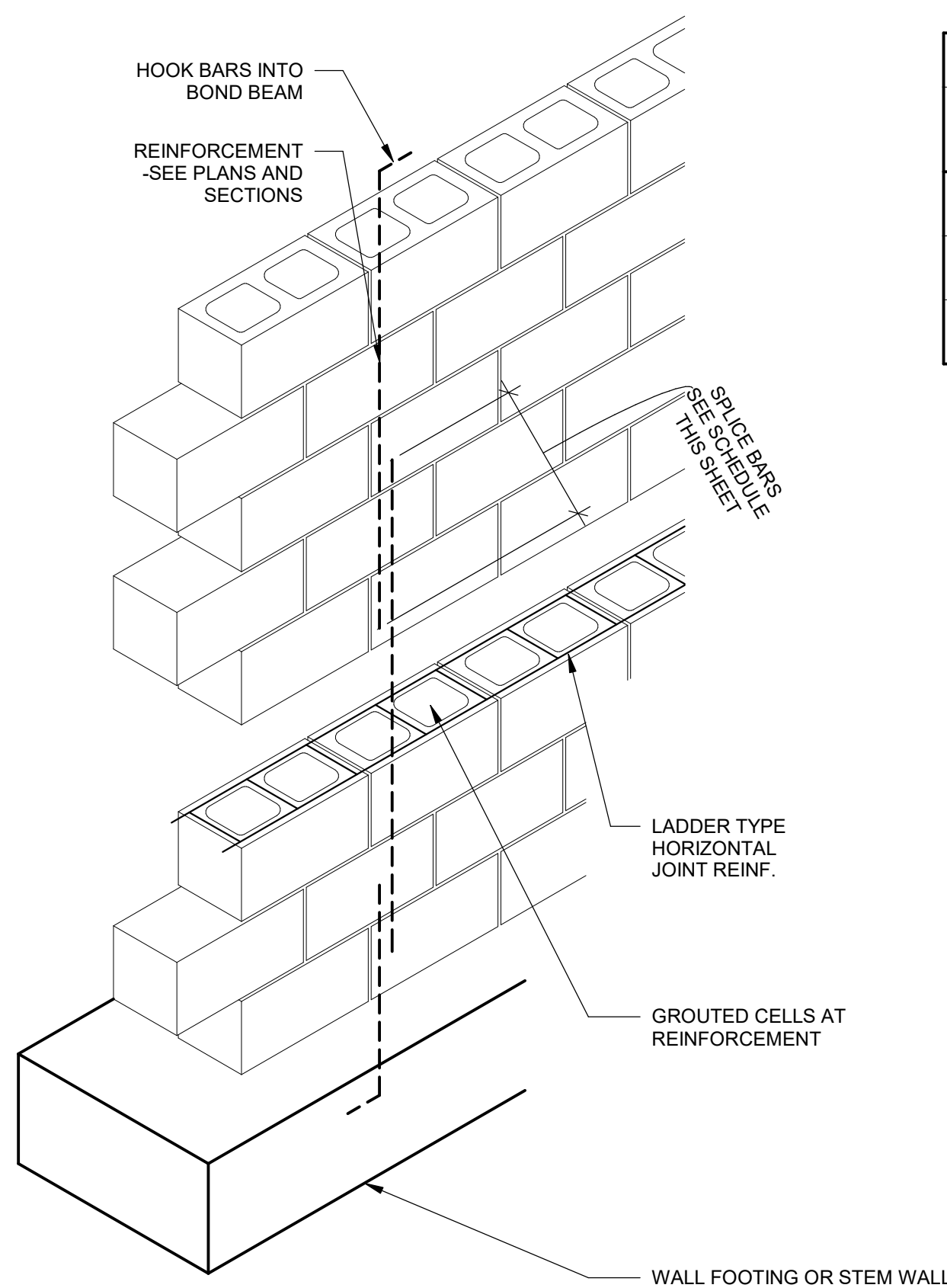
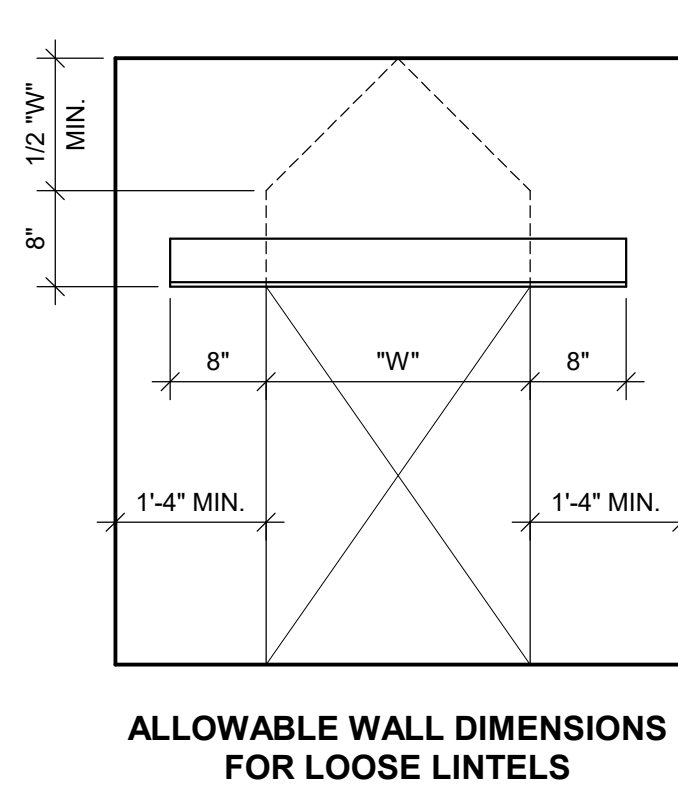


- NOTE:**
- CORNER/TEE INTERSECTION REINF. SHALL BE LAPPED WITH THE TYPICAL LADDER TYPE HORIZ. REINF. AND EXTEND A MINIMUM OF 30" IN EACH DIRECTION AT THE INTERSECTION.

**7**  
S6.01  
**TYPICAL CMU WALL CORNERS AND INTERSECTIONS**  
SCALE: 3/4" = 1'-0"

OPENING WIDTH	BRICK LINTEL SCHEDULE	
	BRICK W/ AIR SPACE	BRICK W/ NO AIR SPACE
≤ 5'-0"	L4hx3/8 (h = 4" MIN)	L3-1/2x3-1/2x3/8
6'-0"	L6hx3/8 (h = 4" MIN)	L4x4x3/8
8'-0"	L6hx3/8 (h = 6" MIN)	L6x4x3/8 (LLV)
10'-0"	L6hx1/2 (h = 4" MIN)	L6x4x3/4 (LLV)

- NOTES:**
- LOOSE LINTELS SHALL BE HOT-DIP GALVANIZED U.N.O.
  - WHERE ANGLE SIZES ARE NOT AVAILABLE, BENT PLATES ARE ALLOWED TO BE SUBSTITUTED.
  - "h" DENOTES ANGLE HORIZONTAL LEG VARIES BASED ON AIR SPACE AND BRICK DIMENSIONS.
  - BEAR LOOSE LINTELS A MIN. OF 8" ON EACH SIDE OF OPENINGS.
  - DO NOT USE THE BRICK LINTEL SCHEDULE WHERE DIMENSIONS DO NOT MEET MINIMUM WALL DIMENSIONS IN THE ALLOWABLE WALL DIMENSIONS DIAGRAM.



**6**  
S6.01  
**TYP. DETAIL OF LOW-LIFT REINFORCED CMU**  
SCALE: 3/4" = 1'-0"

**5**  
S6.01  
**LOOSE LINTEL SCHEDULE**  
SCALE: 3/4" = 1'-0"



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12/06/2024		

NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
TYPICAL CMU DETAILS

DRAWING NUMBER

**S6.01**

**Willett Engineering Company**  
Consulting Structural Engineers  
3528 Habersham at Northlake  
Tucker, Georgia 30084  
Phone: (770) 270-9484  
www.WillettEngineering.com

ITEM	AIRFLOW CFM		EXT. STATIC IN. WG	COOLING CAPACITY @ 95°F O.A.						SUPPLY FAN HP MAX.	FILTER THICKNESS / EFFICIENCY	REMARKS
	TOTAL	O.A.		TOTAL MBH	ENTERING AIR		LEAVING AIR					
					DB °F	WB °F	DB °F	WB °F				
RAC-1	6000	800	2	231	149	80	67	55	54	5	2" / MERV 13	CARRIER 50K VAV / EER 10.0 / IEER 13.2

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 235110 FOR FURTHER INFORMATION.
2. INSTALL AN AIR TREATMENT DEVICE(S) IN ALL RAC UNITS.
3. BALANCE SYSTEM TO S280 CFM. RAC UNIT IS SIZED FOR FUTURE SECOND FLOOR CONVERSION.

ITEM	INLET SIZE IN.	PRIMARY AIR CFM MAX./MIN.	HEATING CFM	FAN CFM	EXT. STATIC IN. WG	HEATING CAPACITY			HEATING STAGES	REMARKS
						CAPACITY KW	ENTERING AIR °F	LEAVING AIR °F		
TU-1	12	950 / 285	950	950	0.5	8.0 208/3	62	88	SCR	TITUS DTOS SERIES FAN POWERED VAV - MAX. NC-34
TU-2	08	660 / 305	305	---	0.25	3.5 208/3	55	91	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-3	09	1000 / 300	300	---	0.25	3.5 208/3	55	92	SCR	TITUS DESV SINGLE DUCT VAV - MAX. NC-30
TU-4	12	1050 / 315	1050	1050	0.5	9.0 208/3	64	91	SCR	TITUS DTOS SERIES FAN POWERED VAV - MAX. NC-30
TU-5	14	1600 / 480	1600	1600	0.5	10.0 208/3	64	85	SCR	TITUS DTOS SERIES FAN POWERED VAV - MAX. NC-36

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 232420 FOR FURTHER INFORMATION.
2. MAXIMUM STATIC PRESSURE DROP SHALL BE RATED AT MAXIMUM CFM FOR THE AIR VALVE AND COIL.
3. MAXIMUM NC SHALL BE FOR ALL OPERATING CONDITIONS (DISCHARGED AND RADIATED).

ITEM	AIRFLOW CFM	EXT. STATIC IN. WG	TYPE	MAX. SONE RATING	MAX. FAN RPM	MAX. MOTOR HP	REMARKS
EF-1	635	0.50	ROOF CENTRIFUGAL DIRECT DRIVE	9.3	1562	1/6	GREENHECK G CONTINUOUS OPERATION

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 232310 FOR FURTHER INFORMATION.

ITEM	AIRFLOW CFM		EXT. STATIC IN. WG	COOLING CAPACITY @ 95°F O.A.				REMARKS
	TOTAL	O.A.		TOTAL MBH	SENS. MBH	ENTERING AIR		
						DB °F	WB °F	
DHP-1 DAH-1	780	---	---	36	25	80	67	CARRIER 37MARAQ / 45MAHAQ 19 SEER2

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 236110 FOR FURTHER INFORMATION.
2. INSTALL AN AIR TREATMENT DEVICE(S) IN ALL DAH UNITS.

ITEM	TYPE	CAPACITY KW	AIRFLOW CFM	CONTROL	REMARKS
EH-1	HEAVY DUTY WALL HEATER	4.8 208/3	100	INTEGRAL TSTAT	QMARK AWH SURFACE MOUNT

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 233110 FOR FURTHER INFORMATION.

DESIGNATION	DESCRIPTION	
	A	6" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, LAY-IN
B	8" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, LAY-IN	
C	10" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, LAY-IN	
D	12" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, LAY-IN	
E	6" NECK SQUARE PLAQUE FACE CEILING DIFFUSER, SURFACE MOUNTED	
F	1'x2' EGGRATE CEILING RETURN / EXHAUST GRILLE, LAY-IN	
G	2'x2' EGGRATE CEILING RETURN / EXHAUST GRILLE, LAY-IN	
H	1'x1' EGGRATE CEILING RETURN / EXHAUST GRILLE, SURFACE MOUNTED	

1. REFER TO SPEC SECTION 232210 FOR FURTHER INFORMATION.

### MECHANICAL LEGEND

	SUPPLY AIR DUCT
	RETURN AIR DUCT OR EXHAUST DUCT
	DUCT TRANSITION
	EXTERIOR DUCT
	SINGLE WALL SPIRAL SEAM DUCT
	DOUBLE WALL SPIRAL SEAM DUCT
	LINED DUCT
	FABRIC DUCT
	X = DIFFUSER TYPE / Y = THROW
	Z = AIRFLOW, CFM
	MD MANUAL DAMPER
	MD MOTORIZED DAMPER
	VAVD VARIABLE AIR VOLUME DAMPER
	FD FIRE DAMPER
	SD SMOKE DAMPER
	FSD FIRE / SMOKE DAMPER
	CRD CEILING RADIATION DAMPER
	SINGLE WALL TURNING VANES
	FLEXIBLE DUCT CONNECTION
	AD ACCESS DOOR
	TU TERMINAL UNIT
	DHP DUCTLESS HEAT PUMP
	DAH DUCTLESS AIR HANDLER
	RAC ROOF AIR CONDITIONER
	EH ELECTRIC HEATER
	EF EXHAUST FAN
	L LOUVER
	VFD VARIABLE FREQUENCY DRIVE
	THERMOSTAT / TEMPERATURE SENSOR
	HUMIDISTAT / HUMIDITY SENSOR
	DUCT SMOKE DETECTOR
	AMS AIRFLOW MEASURING STATION
	EMCS ENERGY MANAGEMENT CONTROL SYSTEM
	VAV VARIABLE AIR VOLUME
	ECON ECONOMIZER
	DB HVAC DRAIN BOX (PER PLUMBING PLANS)
	Ø DIA. DIAMETER
	OA OUTDOOR AIR
	UG UNDERGROUND
	W/ WITH
	AFF ABOVE FINISH FLOOR
	CONNECT TO EXISTING
	D HVAC DRAIN PIPING
	R REFRIGERANT PIPING

### GENERAL NOTES

1. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND LOCATIONS OF THE MECHANICAL WORK. THE CONTRACTOR SHALL COORDINATE THE MECHANICAL INSTALLATION WITH THE STRUCTURE AND ALL OTHER TRADES. PERFORM ALL WORK IN ACCORDANCE WITH 2019 INTERNATIONAL MECHANICAL CODE (IMC) WITH GA AMENDMENTS.
2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF THE CEILING MOUNTED DEVICES.
3. DUCTWORK SHOWN ON THE PLANS IS SIZED AND ROUTED BASED ON INFORMATION AVAILABLE DURING DESIGN PHASE FOR CEILING HEIGHTS, STRUCTURAL MEMBERS, ETC. ALL DUCTS SIZES AND ROUTINGS MUST BE CONFIRMED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION. WHERE CONFLICTS ARISE, REFER TO THE ENGINEER.
4. REFER TO SENSOR MOUNTING DETAIL FOR MOUNTING HEIGHT.
5. ALL CONCEALED SUPPLY AIR AND RETURN AIR DUCTWORK SHALL HAVE ONE LAYER OF TYPE 'A' DUCT WRAP. ALL LINED DUCTWORK CALLED OUT ON PLANS SHALL HAVE ONE LAYER OF TYPE 'A' DUCT LINER. ALL EXPOSED RECTANGULAR DUCTWORK SHALL HAVE ONE LAYER OF TYPE 'A' DUCT LINER AND SHALL HAVE PAINT GRIP FINISH WITH COLOR SELECTED BY ARCHITECT. GENERAL EXHAUST AIR DUCTWORK SHALL NOT BE INSULATED.
6. INCLUDE ALL REQUIRED REFRIGERANT PIPING ACCESSORIES AND INCREASE PIPE SIZES AS NEEDED FOR LONG LINE LENGTH APPLICATIONS.
7. ROOF MOUNTED EQUIPMENT SHALL BE LOCATED 10 FEET MINIMUM FROM ROOF EDGE.
8. DEVICES REQUIRED TO BE ACCESSIBLE SHALL NOT BE INSTALLED ABOVE DRYWALL CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF HARD CEILINGS.
9. SMOKE DAMPERS SHALL BE ACTUATED BY CEILING MOUNTED SMOKE DETECTORS FURNISHED AND INSTALLED BY DIV. 26/27.
10. ALL FIRE DAMPERS AND SMOKE DAMPERS (AS APPLICABLE) SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S UL LISTED DETAILS.

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**HUSSEY GAY BELL**  
*Established 1958*  
 3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096 T: 770.923.1600

REVISIONS: Δ

DESIGNED REL	DRAWN REL	CHECKED JFS
DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
 MECHANICAL LEGEND & SCHEDULES

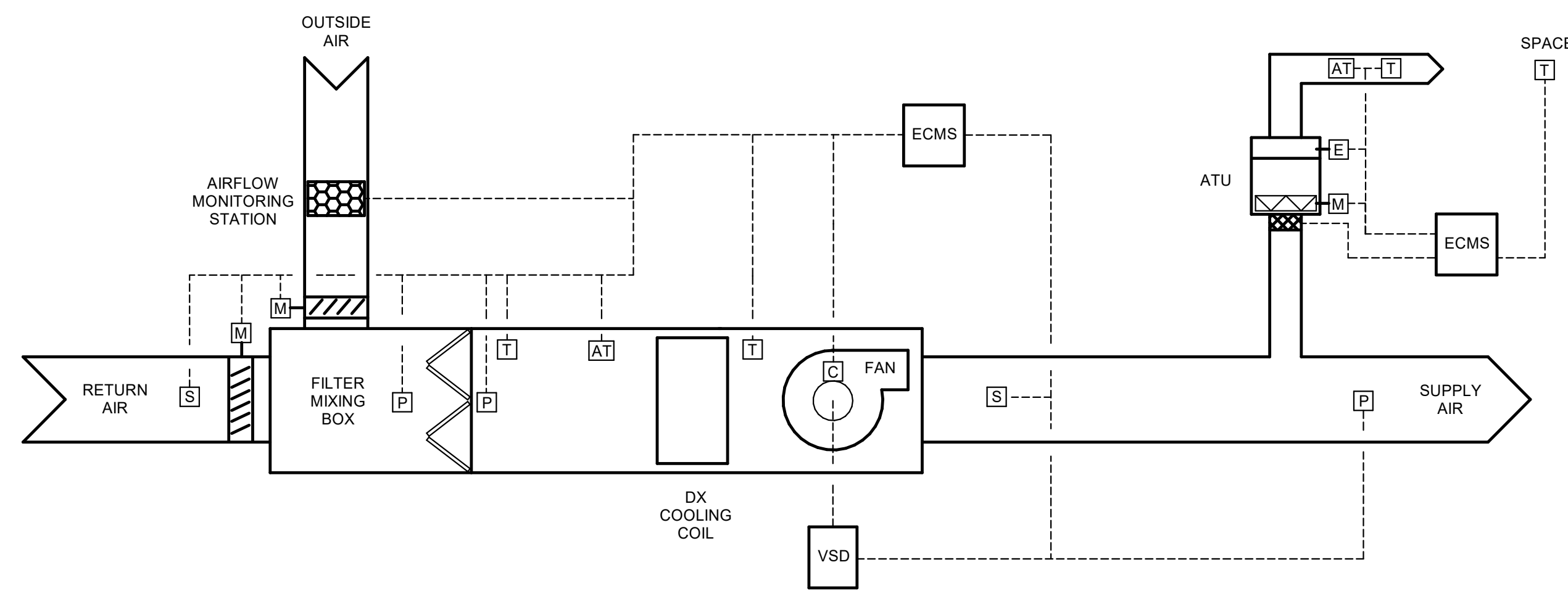
DRAWING NUMBER

M0.01



**DULOHERY WEEKS & GIULIANO, INC.**  
 ENGINEERS

CONSTRUCTION DOCUMENT PACKAGE

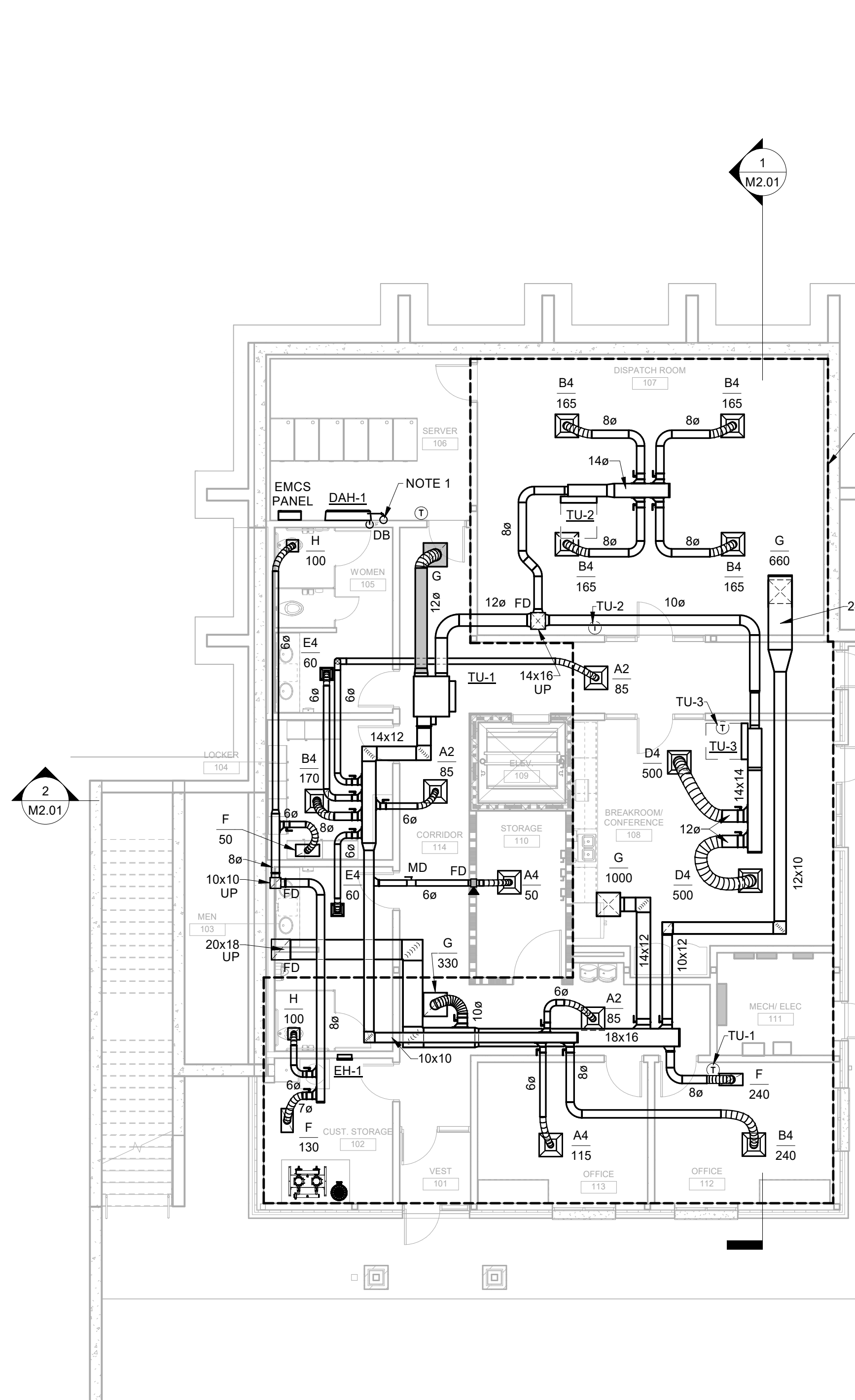


**CONTROL DIAGRAM LEGEND**

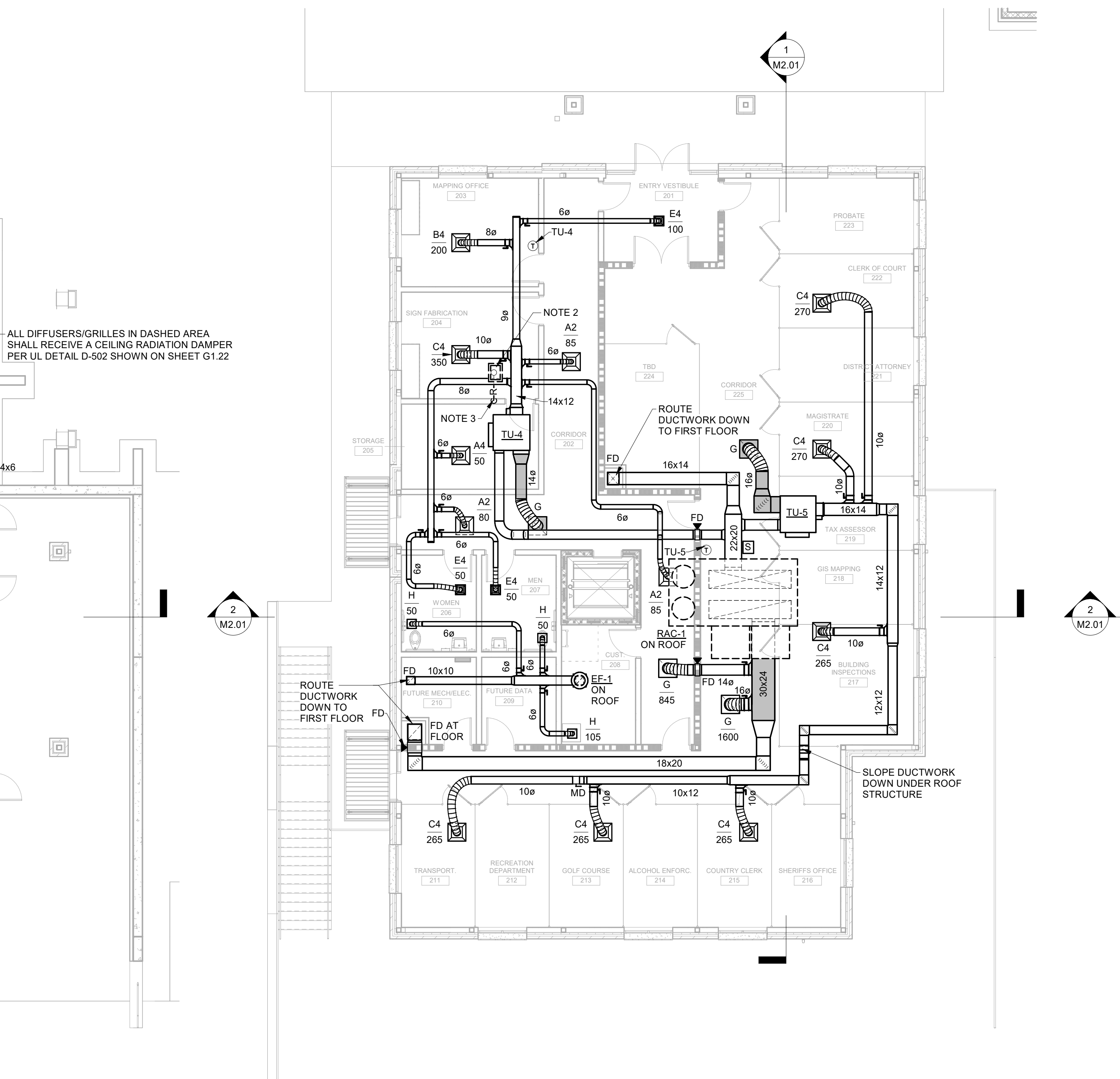
- T TEMPERATURE SENSOR
- P PRESSURE SENSOR
- F FLOW SWITCH
- C CURRENT SWITCH
- E ELECTRIC HEAT CONTROLLER
- S SMOKE DETECTOR (DIV. 28000)
- M MOTORIZED ACTUATOR
- AT AIR TREATMENT DEVICE

- SHEET NOTES**
1. ROUTE REFRIGERANT PIPING UP IN WALL TO ROOF.
  2. ROUTE REFRIGERANT PIPING UP THRU PIPE PORTAL TO DHP UNIT ON ROOF.
  3. ROUTE REFRIGERANT PIPING DOWN IN WALL TO ASSOCIATED DAH UNIT.

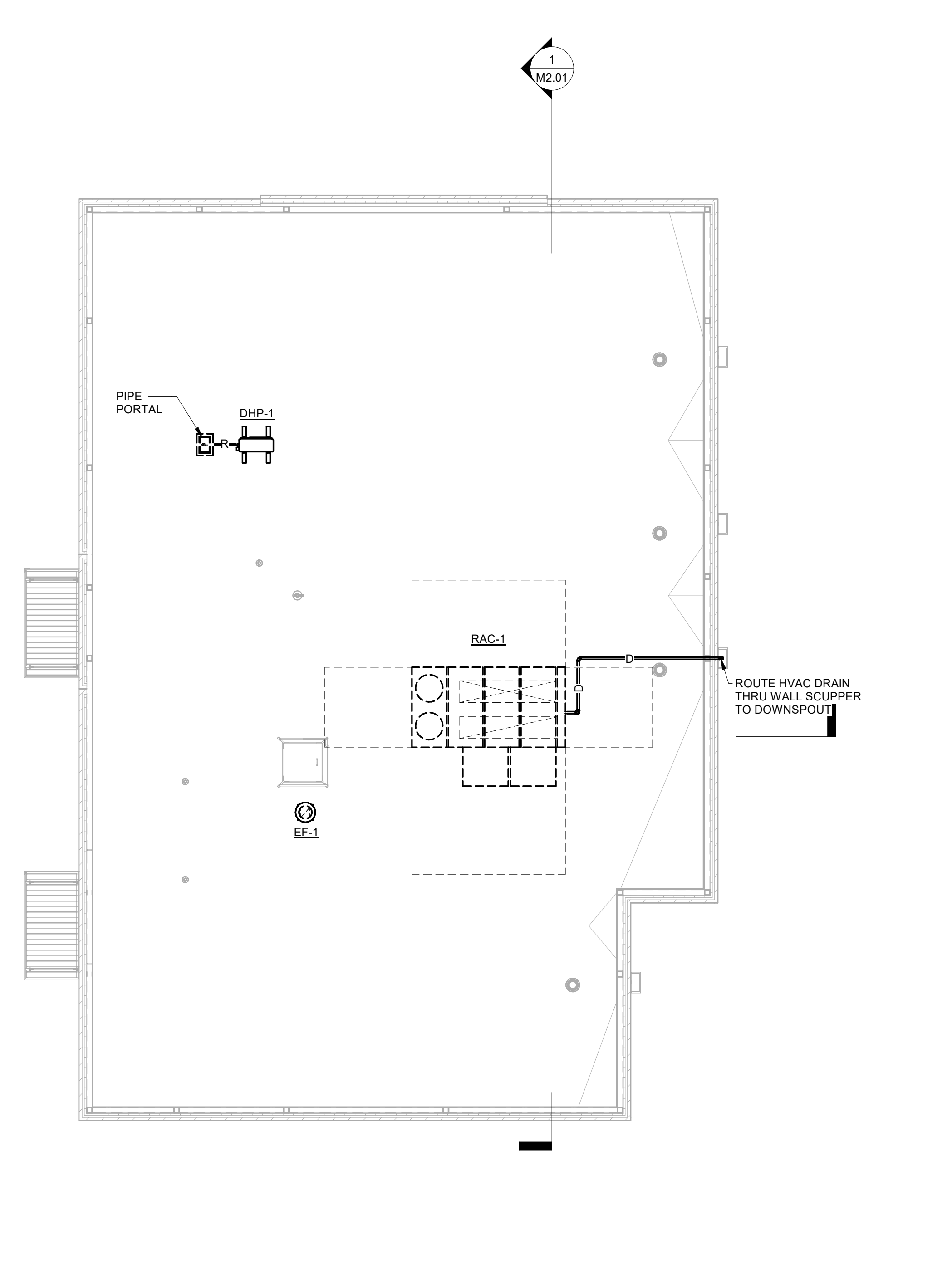
**4 VAV RAC CONTROL DIAGRAM**  
M1.01 NOT TO SCALE



**1 MECHANICAL PLAN - LEVEL 1**  
M1.01 SCALE: 1/8" = 1'-0"



**2 MECHANICAL PLAN - LEVEL 2**  
M1.01 SCALE: 1/8" = 1'-0"



**3 MECHANICAL PLAN - ROOF**  
M1.01 SCALE: 1/8" = 1'-0"



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REVISIONS

NO.	DATE	DESCRIPTION

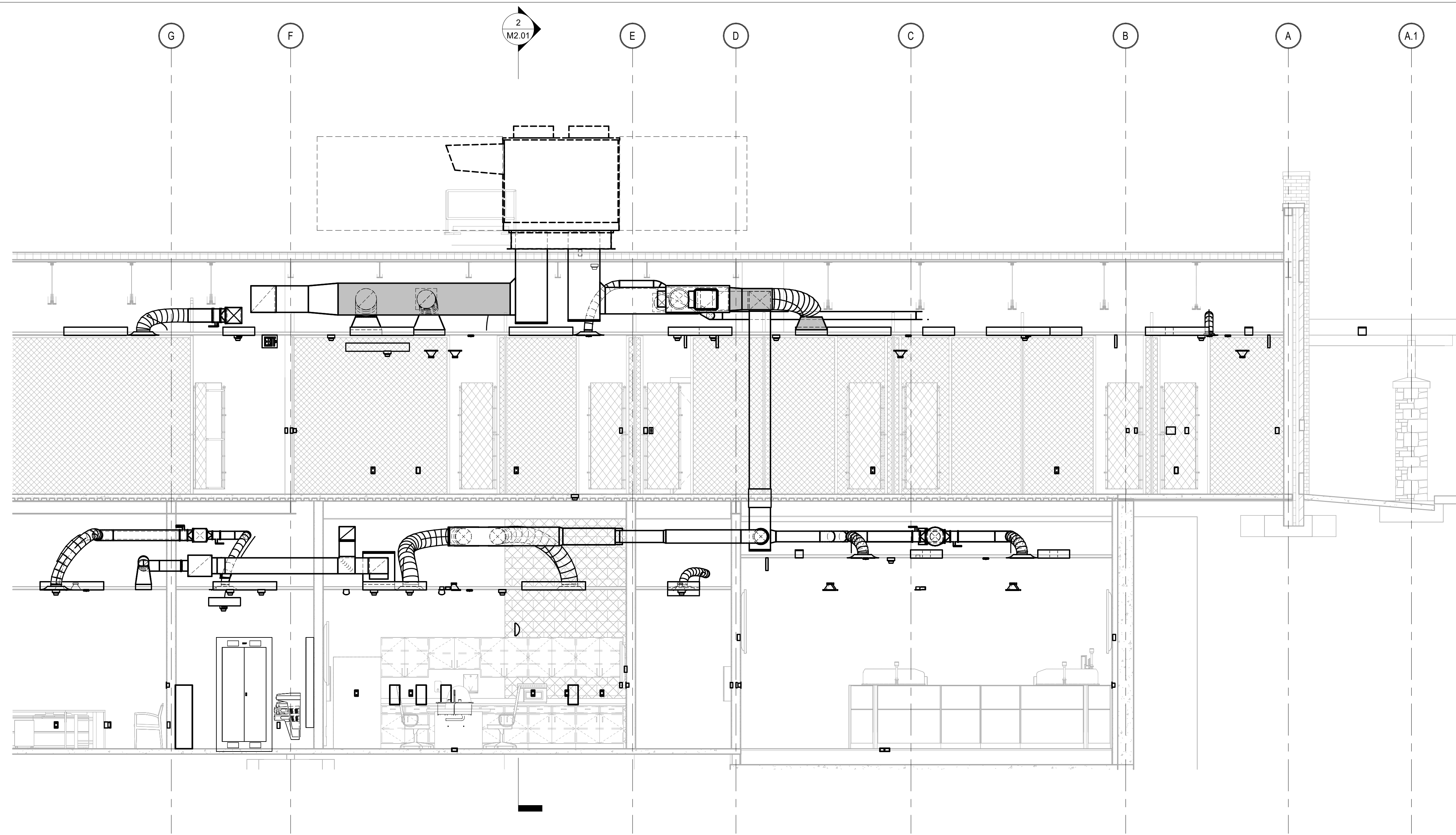
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REL	REL	JFS
DATE: 12/06/2024		
JOB NO. 624 1109 01		

**NEW 911 CENTER FOR UNION COUNTY**  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
MECHANICAL PLANS

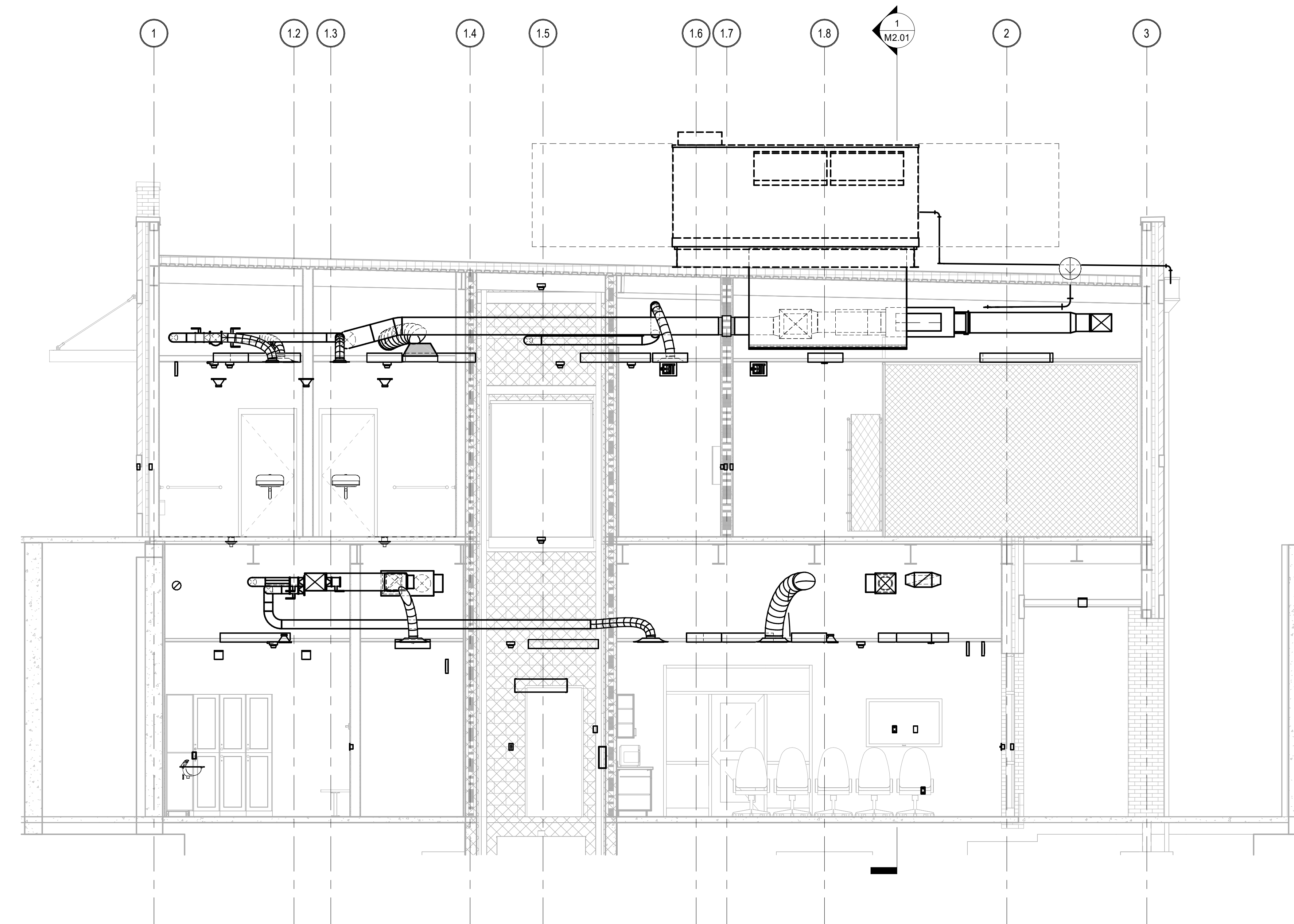
DRAWING NUMBER  
**M1.01**



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ENGINEERS



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



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



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REL	REL	JFS
DATE: 12/06/2024		
JOB NO. 624 1109 01		

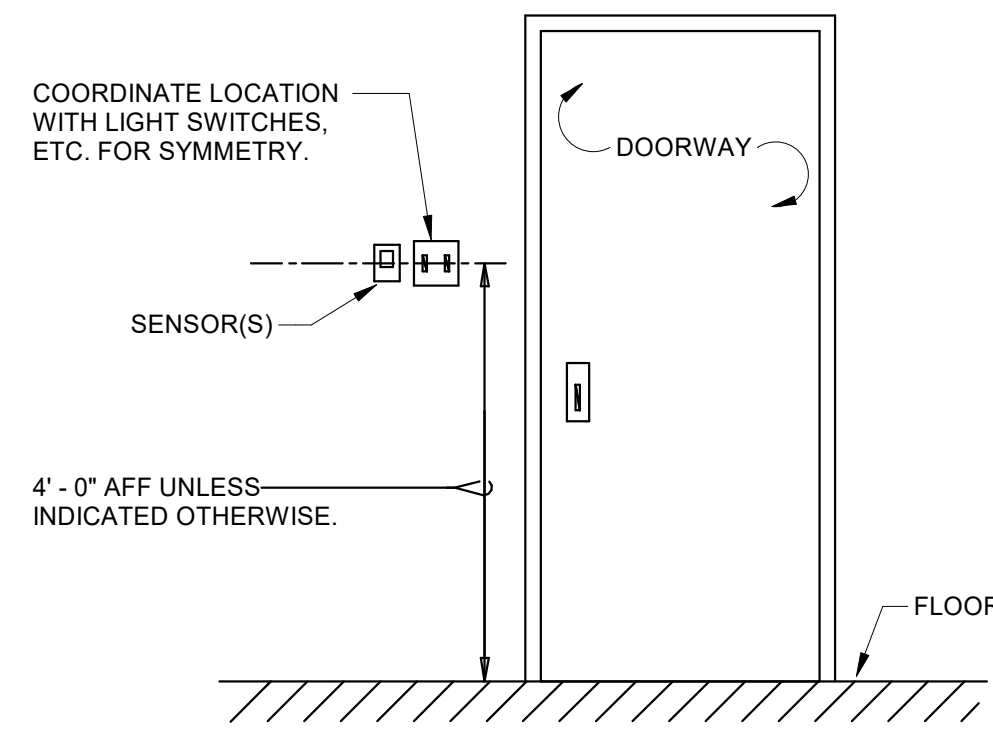
NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
MECHANICAL SECTIONS

DRAWING NUMBER  
**M2.01**

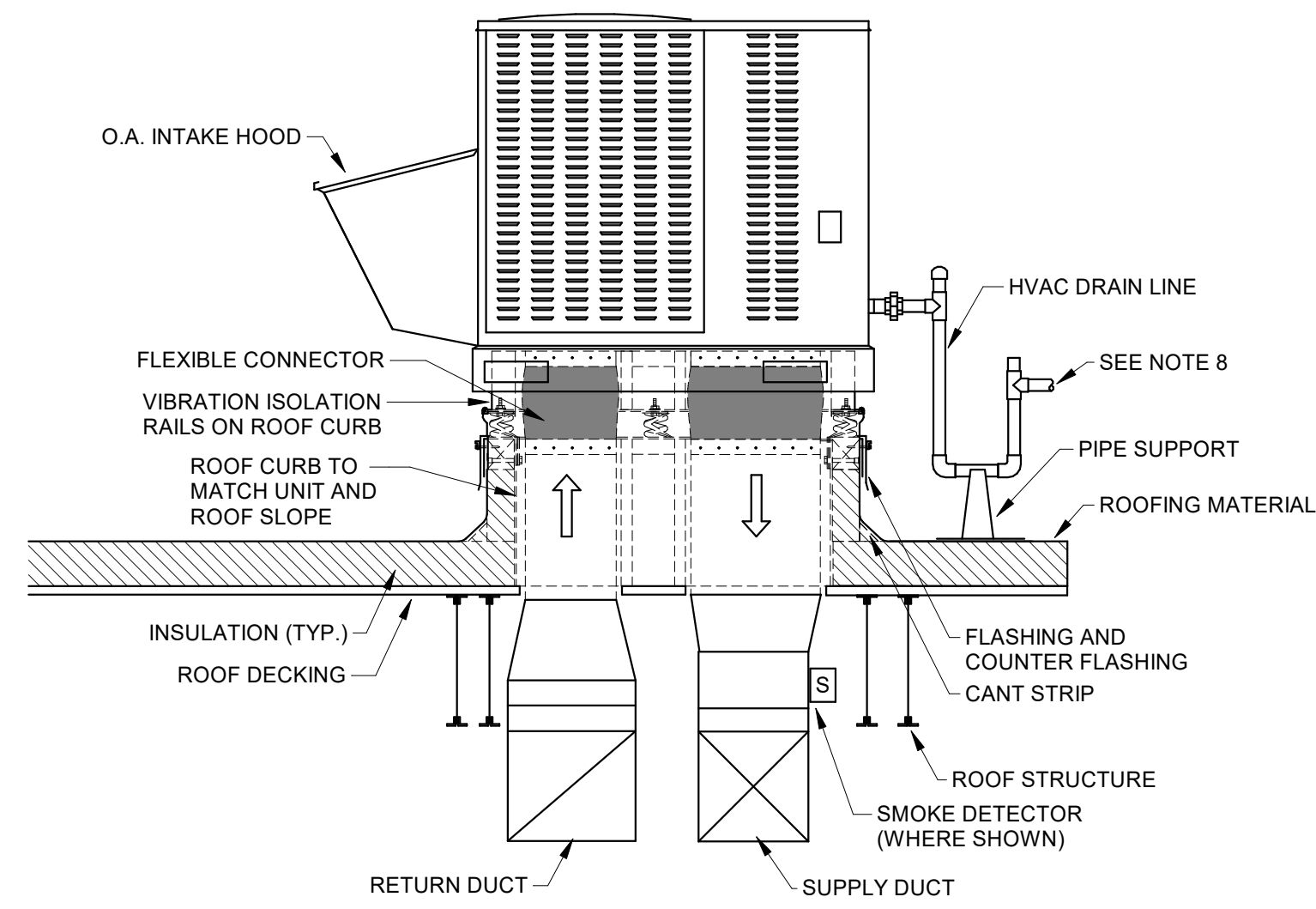


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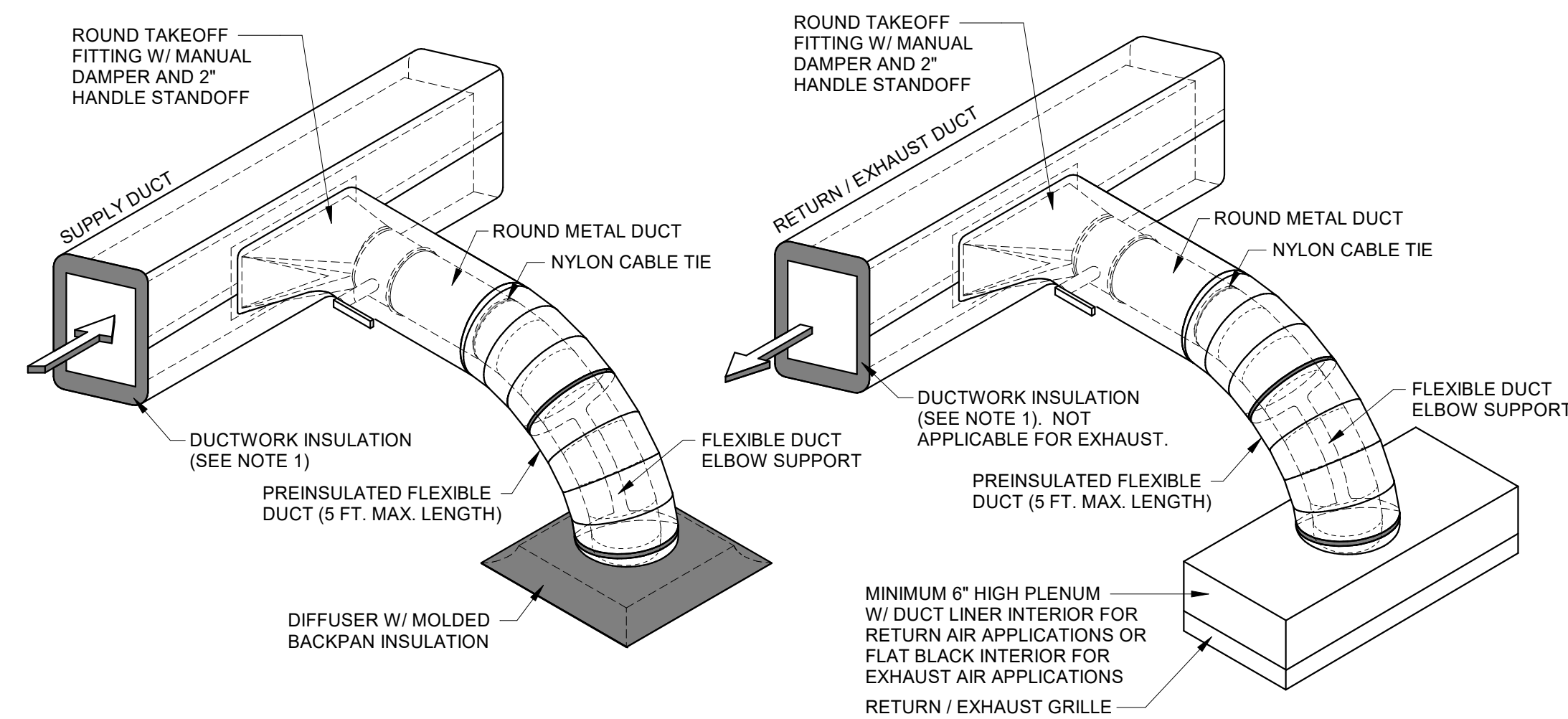


**1 SENSOR MOUNTING DETAIL**  
M3.01 NOT TO SCALE



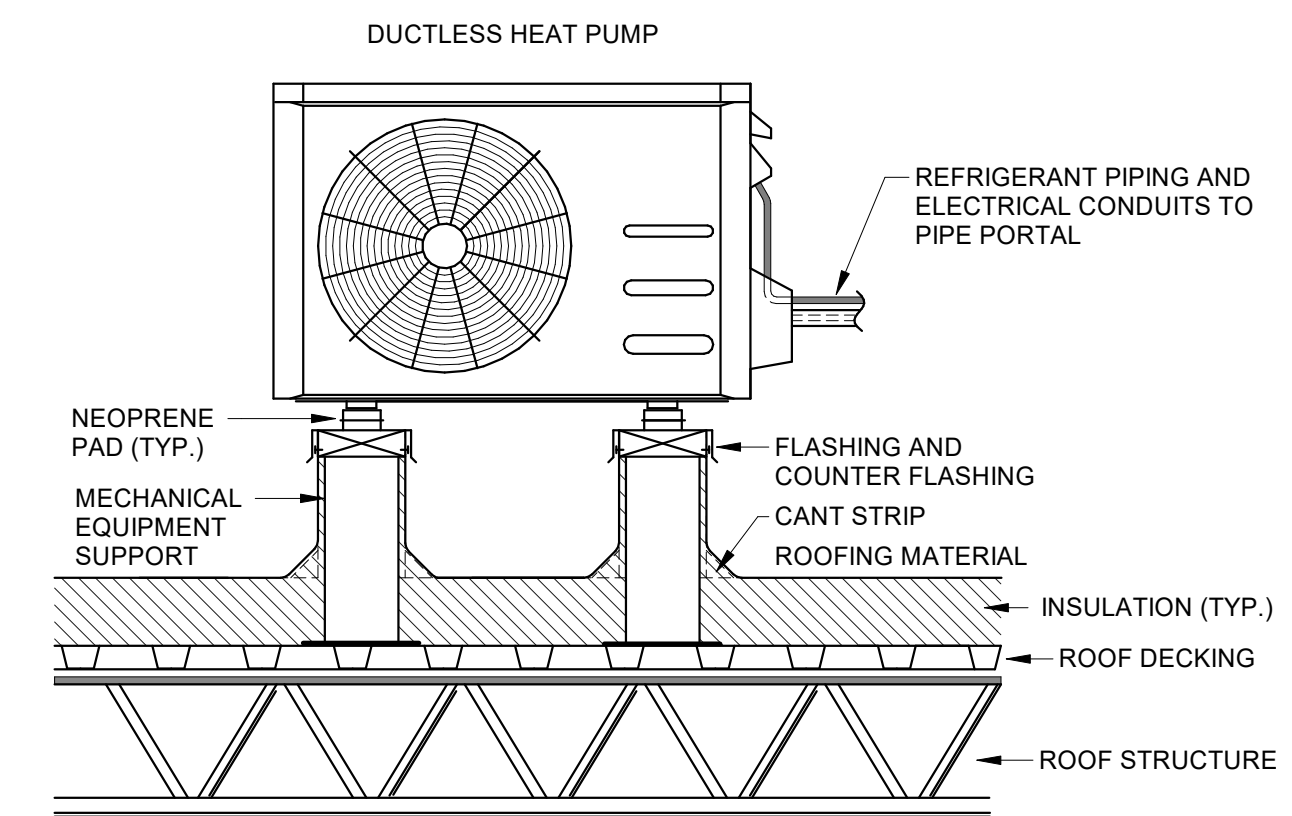
- NOTES:**
- CUT THE ROOF DECK ONLY AS NEEDED FOR DUCT PENETRATIONS.
  - SEAL DUCT PENETRATIONS WITH ACOUSTICAL SEALANT.
  - INSTALL (2) LAYERS OF ACOUSTICAL SOUND BARRIER MATERIAL INSIDE ROOF CURB.
  - INSTALL FLEXIBLE CONNECTIONS ON SUPPLY AND RETURN TRUNK DUCTS.
  - COORDINATE WITH STRUCTURAL PLANS FOR PLACEMENT OF STEEL SUPPORTS.
  - INSTALL SMOKE DETECTOR IN SUPPLY DUCTWORK BEFORE ANY BRANCH TAKEOFFS.
  - MOUNT AND SECURE EQUIPMENT ON ROOF CURB SUITABLE FOR WIND LOAD SPECIFIED IN 239110.
  - ROUTE HVAC DRAIN LINE AS SHOWN ON ROOF PLAN.

**2 ROOF AIR CONDITIONER DETAIL**  
M3.01 NOT TO SCALE



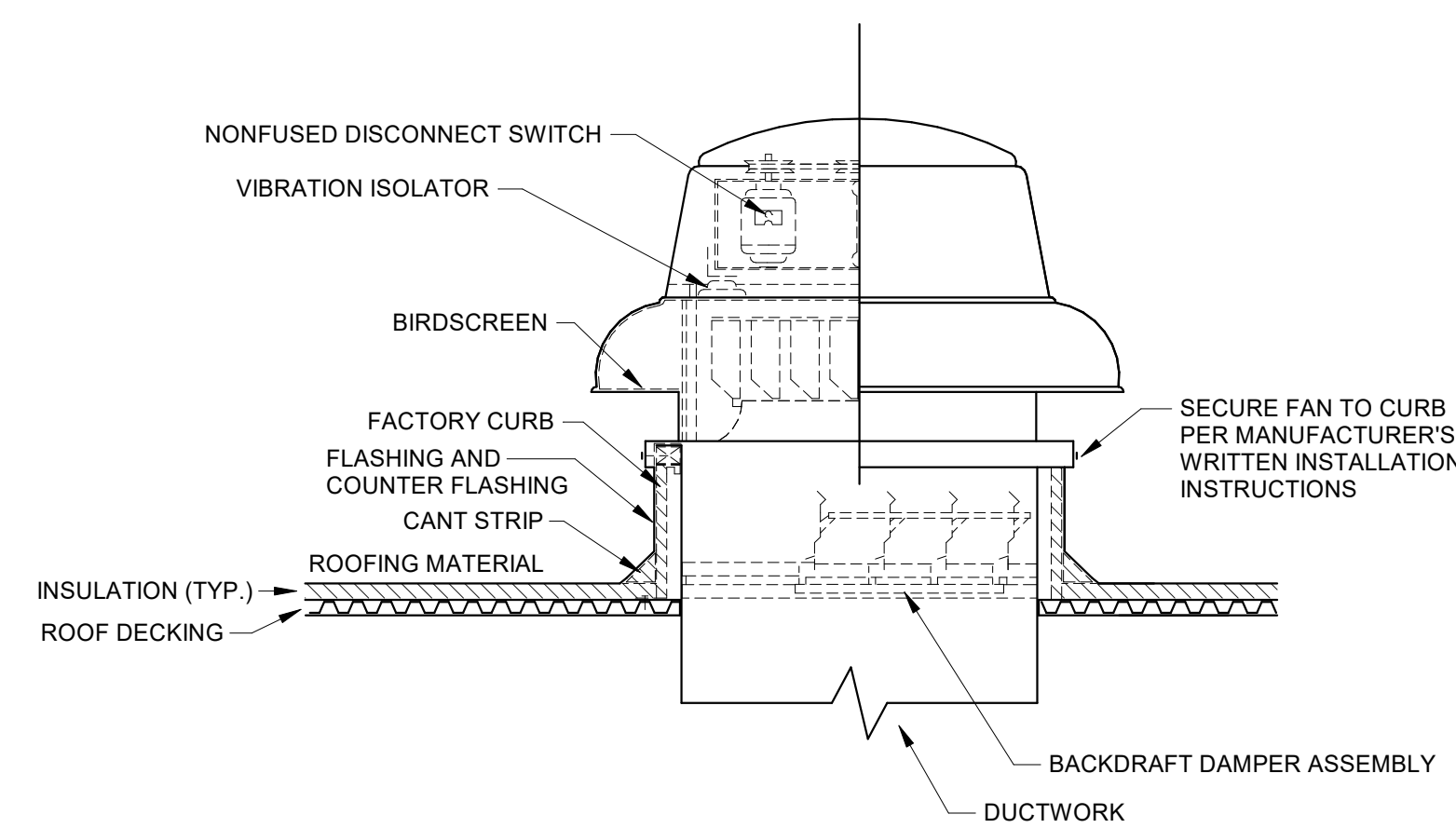
- NOTES:**
- REFER TO PLANS FOR ACTUAL DUCTWORK INSULATION TYPE AND LOCATION.
  - INSTALL NYLON CLAMP ON FLEX DUCT INNER LINER AND ALSO ON OUTER JACKET.
  - SEAL DUCT CONNECTIONS PER DUCT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - DIFFUSER INSULATION SHALL BE FULL SIZE OF GRID WITH SQUARE CORNERS. DO NOT COMPRESS INSULATION OR ALLOW AIR GAPS BETWEEN INSULATION AND DIFFUSER. DO NOT TAPE INSULATION TO GRID.
  - USE FSK TAPE TO SECURE INSULATION AND BOTTOM EDGE OF DIFFUSER TO CEILING GRID. TRIM TAPE ON FACE OF DIFFUSER. TAPE SHALL NOT BE EXPOSED AT CEILING GRID.
  - PROVIDE FLEXIBLE DUCT ELBOW SUPPORT ACCESSORY FOR FLEX DUCT CONNECTION AS SPECIFIED.

**3 DIFFUSER / GRILLE DETAIL - RECTANGULAR TRUNKS**  
M3.01 NOT TO SCALE



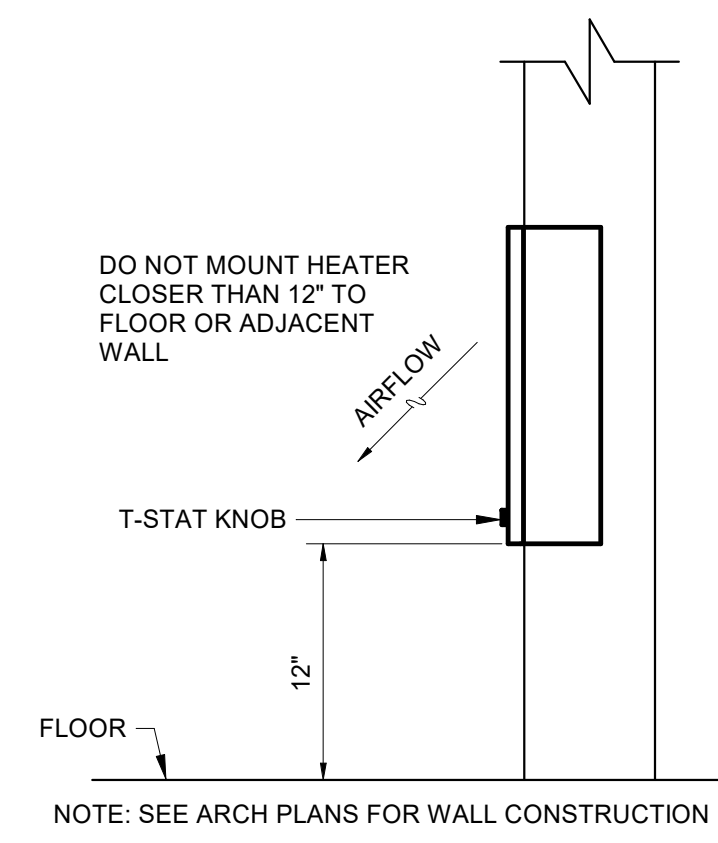
- NOTES:**
- MOUNT AND SECURE EQUIPMENT ON ROOF SUPPORTS SUITABLE FOR WIND LOAD RATING AS SPECIFIED IN SPEC SECTION 239110.
  - EXPOSED REFRIGERANT SUCTION LINE SHALL HAVE WEATHERPROOF INSULATION AND METAL JACKET.
  - COORDINATE WITH OWNER'S ROOFING REPRESENTATIVE FOR DHP SUPPORT APPROVAL.

**4 DUCTLESS HEAT PUMP DETAIL**  
M3.01 NOT TO SCALE

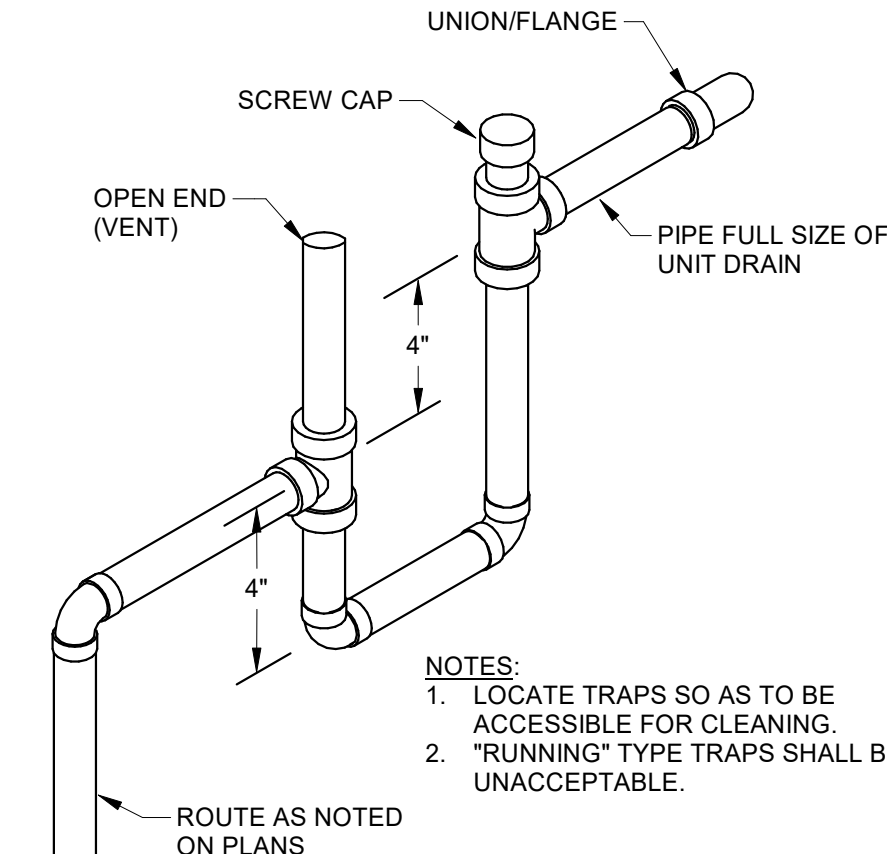


- NOTE:**
- COORDINATE ROOF WORK WITH ARCHITECTURAL PLANS AND ROOFING CONTRACTOR.
  - MOUNT AND SECURE EQUIPMENT ON ROOF CURB SUITABLE FOR WIND SPEED SPECIFIED IN 239110.

**5 ROOF EXHAUST FAN DETAIL**  
M3.01 NOT TO SCALE

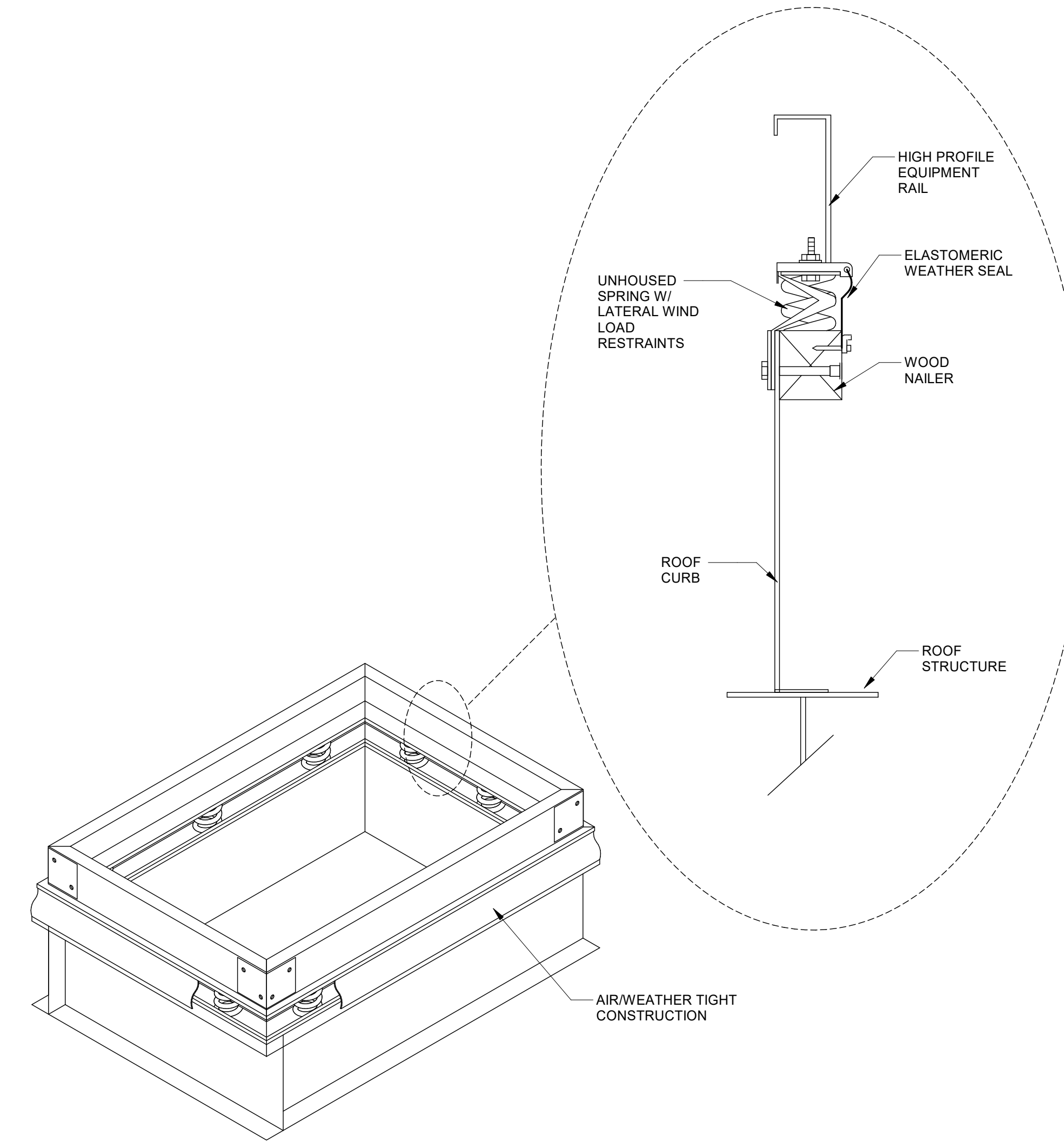


**6 WALL HEATER DETAIL**  
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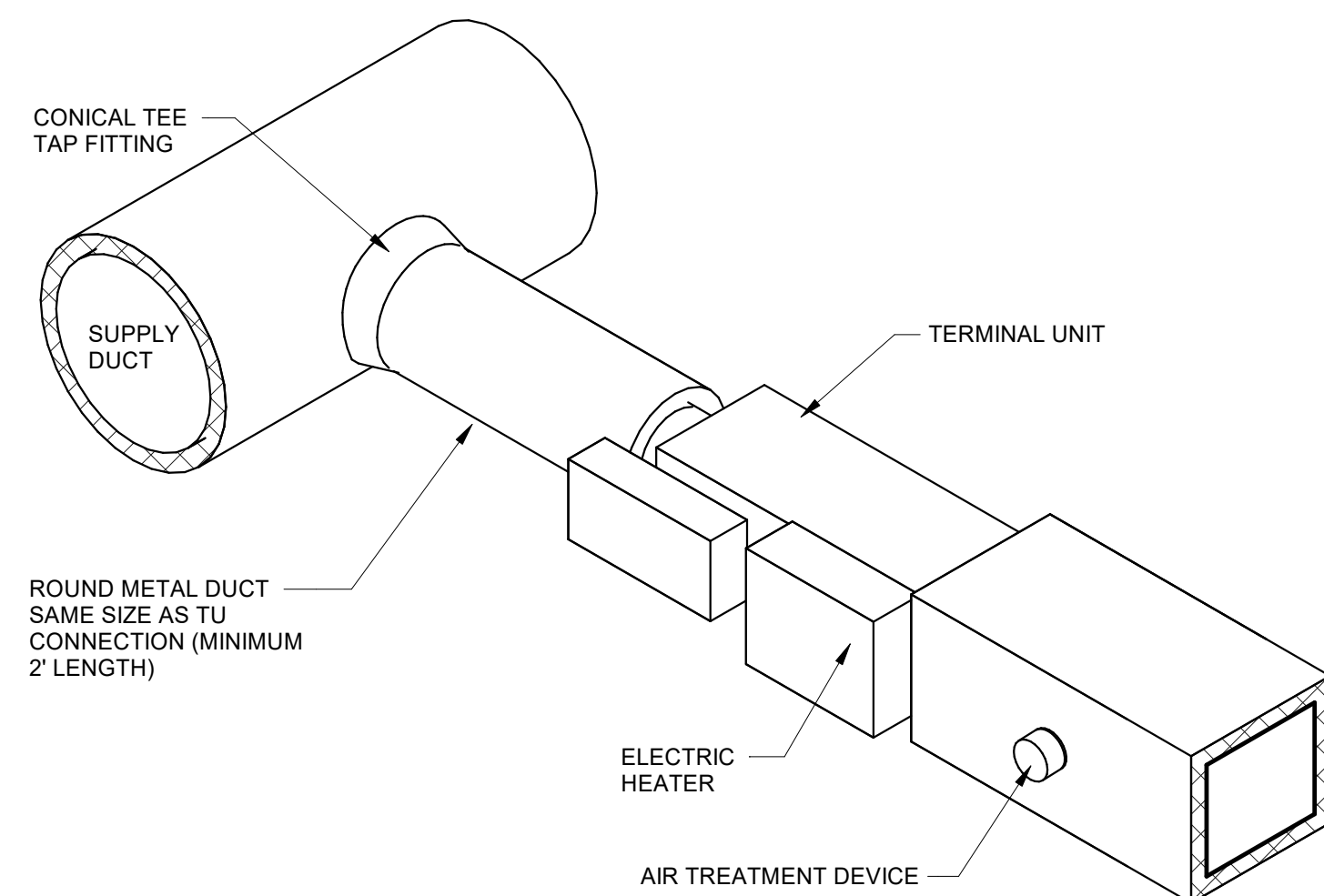


- NOTES:**
- LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
  - "RUNNING" TYPE TRAPS SHALL BE UNACCEPTABLE.

**7 HVAC DRAIN TRAP DETAIL**  
M3.01 NOT TO SCALE

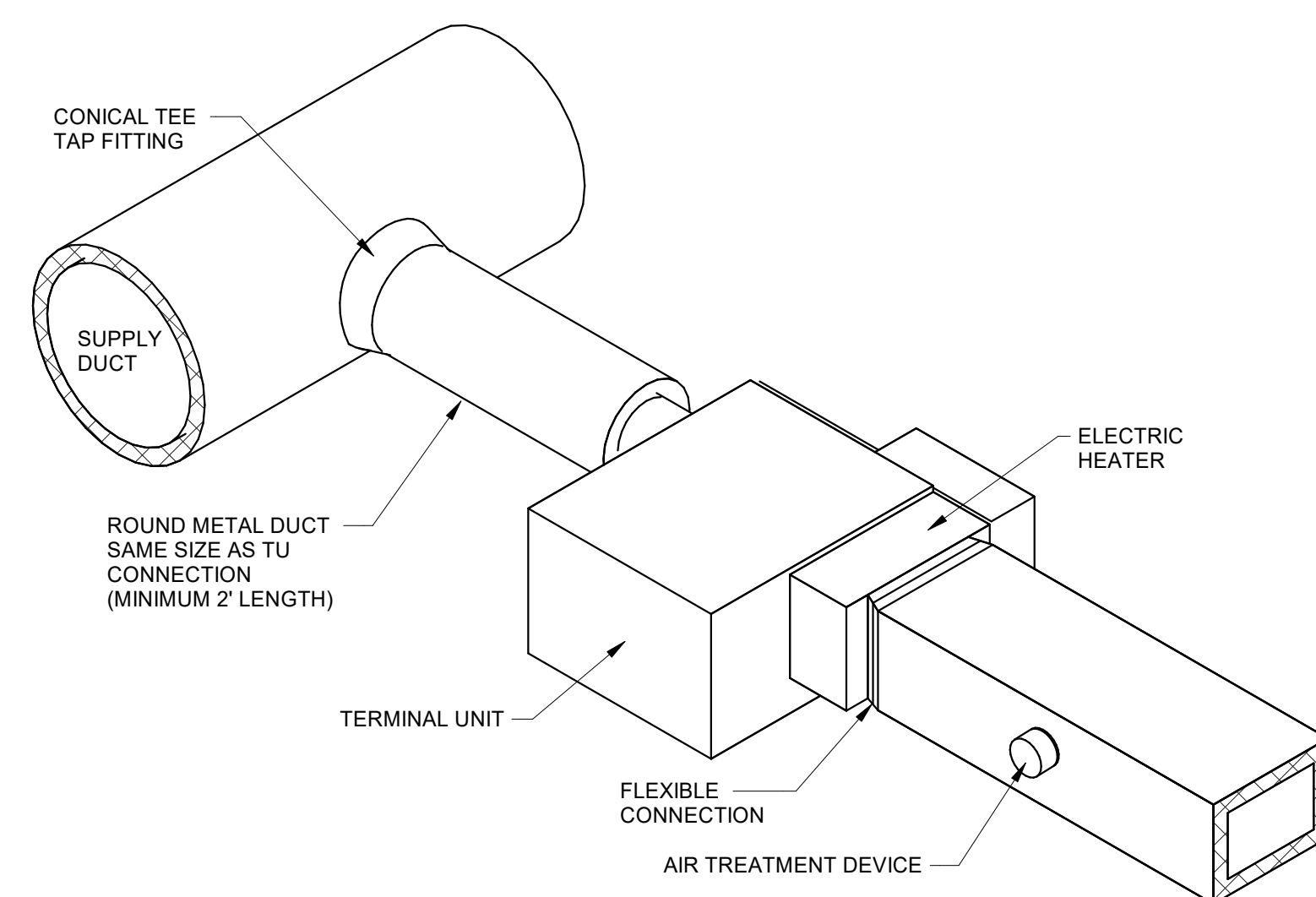


**8 VIBRATION ISOLATION RAIL DETAIL**  
M3.01 NOT TO SCALE



- NOTES:**
- COORDINATE THE LOCATION OF ALL TU TO ENSURE PROPER CLEARANCES ARE PROVIDED.
  - INSTALL MATCHING HANGER BRACKETS, VIBRATION ISOLATORS, AND HANGER RODS.
  - COVER ELECTRIC HEATER SECTION WITH 2\"/>

**9 SINGLE DUCT TERMINAL UNIT DETAIL**  
M3.01 NOT TO SCALE



- NOTES:**
- COORDINATE THE LOCATION OF ALL TU TO ENSURE PROPER CLEARANCES ARE PROVIDED.
  - INSTALL MATCHING HANGER BRACKETS, VIBRATION ISOLATORS, AND HANGER RODS.
  - COVER ELECTRIC HEATER SECTION WITH 2\"/>

**10 SERIES FAN POWERED TERMINAL UNIT DETAIL**  
M3.01 NOT TO SCALE



**HUSSEY GAY BELL**  
Established 1958  
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MECHANICAL DETAILS

DRAWING NUMBER  
**M3.01**



**DW DULOHERLY WEEKS & GAGLIARDI, INC.**  
ENGINEERS

# LEGEND:

## LIGHTING FIXTURES:

UPPERCASE LETTER ADJACENT TO FIXTURE DENOTES DESIGNATION PER THE LIGHTING FIXTURE SCHEDULE. LOWERCASE LETTER DENOTES SWITCHLEG. THE RESPECTIVE SWITCH WILL HAVE THE SAME DESTINATIONS. NUMERAL DENOTES BRANCH CIRCUIT CONNECTION.

REFER TO THE FIXTURE SCHEDULE FOR THE SPECIFIC FIXTURE INFORMATION.

	NON-EMERGENCY GENERATOR BACKUP
	LIGHTING FIXTURE: LINEAR
	LIGHTING FIXTURE: LINEAR
	LIGHTING FIXTURE: LINEAR
	LIGHTING FIXTURE: STRIP
	LIGHTING FIXTURE: WALL MTD.
	DOWNLIGHT/SCONCE FIXTURE
	EXIT AREA OF REFUGE LIGHT: UNIVERSAL MTD.

## DEVICE IDENTIFIER TAGS:

C	MOUNT ABOVE COUNTERTOP OR BACKSPASH, 9" ABOVE WORK SURFACE TO CENTER
XX	MOUNT DEVICE AT HEIGHT INDICATED
WP	PROVIDE WEATHER-PROOF COVER

## RECEPTACLES:

NOMINAL MOUNTING HEIGHT OF RECEPTACLES SHALL BE 18" TO CENTER, UNO, IF APPLICABLE, ADJUST SO DEVICE COVER IS IN THE CENTER OF MASONRY COURSE NEAREST THAT HEIGHT. THE HEIGHT ESTABLISHED SHALL GOVERN FOR ALL BOX INSTALLATIONS, WHERE INSTALLED IN MASONRY OR FRAMED WALLS.

	NORMAL POWER RECEPTACLE: SIMPLEX
	NORMAL POWER RECEPTACLE: DUPLEX
	NORMAL POWER RECEPTACLE: GROUND-FAULT-INTERRUPTING TYPE
	NORMAL POWER RECEPTACLE: QUADRUPLEX
	EMERGENCY GENERATOR POWERED RECEPTACLE: DUPLEX
	EMERGENCY GENERATOR POWERED RECEPTACLE: QUADRUPLEX
	EMERGENCY GENERATOR POWERED RECEPTACLE: GROUND-FAULT-INTERRUPTING TYPE
	FLUSH FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND (2) LOW VOLTAGE COMPARTMENTS. PROVIDE LEGRAND RFB4 SERIES 4 GANG FLOOR BX FOR ON-GRADE CONCRETE FLOORS. COORDINATE FINISH OF COVERPLATE WITH ARCHITECT. PROVIDE 1-1/4" CONDUIT FROM EACH LOW VOLTAGE COMPARTMENT TO ABOVE ACCESSIBLE CEILING.
	ELECTRIC WATER COOLER POWER CONNECTION. FED FROM GFCI CIRCUIT BREAKER.
	RECEPTACLE: CEILING MOUNTED

## SWITCHES:

MOUNTING HEIGHT OF SWITCHES SHALL BE 48" NOMINAL, ADJUSTED IN THE SAME MANNER AS SPECIFIED ABOVE, FOR RECEPTACLES. LOWERCASE LETTER INDICATES SWITCHLEG CONNECTION. THE RESPECTIVE FIXTURE(S) WILL HAVE THE SAME DESIGNATION.

S	SWITCH: SINGLE-POLE
S <sub>3</sub>	SWITCH: THREE-WAY TYPE
S <sub>4</sub>	SWITCH: FOUR-WAY TYPE
S <sub>a</sub>	SWITCH: SUBSCRIPT THAT INDICATES CORRESPONDING FIXTURES THAT SWITCH CONTROLS
S <sub>v</sub>	SWITCH: LOW VOLTAGE OVERRIDE SWITCH FOR VACANCY SENSOR. WHERE MULTIPLE SUBSCRIPTS ARE INDICATED ("ab" FOR EXAMPLE) PROVIDE A PUSHBUTTON FOR EACH CORRESPONDING GROUP OF FIXTURES TO BE CONTROLLED (2 BUTTON SWITCH FOR "ab" FOR EXAMPLE). THE PUSHBUTTONS SHALL BE MOUNTED UNDER A SINGLE GANG FACEPLATE.
D	SWITCH: DIMMER TYPE. DIMMER SHALL BE COMPATIBLE WITH BALLAST INSTALLED. PROVIDE ALL LOW VOLTAGE CABLING AND CONNECTIONS FOR 0 TO 10 VOLT DIMMING.
S <sub>K</sub>	SWITCH: KEY-OPERATED
S <sub>O</sub>	SWITCH: OVERRIDE
OS <sub>C</sub>	OCCUPANCY SENSOR, CEILING MOUNTED
OS <sub>S</sub>	OCCUPANCY SENSOR, WALL MOUNTED
VS <sub>C</sub>	VACANCY SENSOR, CEILING MOUNTED
VS <sub>S</sub>	VACANCY SENSOR, WALL MOUNTED
PC	PHOTOCELL: LOCATE UNDER EAVES, FACING NORTH. AVOID ANY OTHER OUTSIDE LIGHT SOURCE

## ELECTRICAL EQUIPMENT:

REFER TO ONE-LINE DIAGRAM AND EQUIPMENT CONNECTION SCHEDULE FOR LOAD DATA USED AS THE BASIS OF DESIGN AND REQUIRED CONNECTIONS. VERIFY LOAD AND LOCATION WITH EQUIPMENT CUT-SHEETS AND INSTALLER.

	SWITCH: MOTOR RATED, WITHOUT OVERLOAD PROTECTION
	DISCONNECT SWITCH
	DRY-TYPE TRANSFORMER
	PANELBOARD: SURFACE MOUNTED
	EQUIPMENT AS NOTED, SEE ABBREVIATIONS, THIS SHEET
	GROUND CONNECTION

## BRANCH CIRCUITS:

CONDUCTOR COUNTS ARE SHOWN ON THE HOMERUNS ONLY. CONTRACTOR SHALL DETERMINE COUNTS FOR INTERMEDIATE RUNS BASED ON THE MANNER IN WHICH THE CIRCUIT ELEMENTS ARE CONNECTED. REFER TO THE SPECIFICATION SECTIONS 262010, 262080, & 262030 FOR SPECIAL REQUIREMENTS.

	BRANCH CIRCUIT: CONCEALED
	BRANCH CIRCUIT: CONCEALED IN FLOOR SLAB
	BRANCH CIRCUIT: EXPOSED
	"HOMERUN" TO PANEL: NUMBER OF HASH MARKS INDICATES QUANTITY OF UNGROUNDED CONDUCTORS IN MINIMUM 3/4" RACEWAY. GROUNDED CONDUCTORS (NEUTRALS) ARE NOT SHOWN. NUMBER OF ARROWHEADS DENOTES QUANTITY OF CIRCUITS INSTALLED. ONE DEDICATED NEUTRAL IS REQUIRED FOR EACH CIRCUIT INSTALLED. SEE SPECIFICATIONS. EACH CONDUCTOR SHALL BE MIN. #12 AWG UNLESS NOTED OTHERWISE. FOR MECHANICAL EQUIPMENT, SEE MECHANICAL EQUIPMENT RATINGS AND CONNECTIONS SCHEDULE FOR ELECTRICAL CHARACTERISTICS.

## FIRE ALARM:

	FIRE ALARM PULL STATION, WALL MOUNTED WITH OPERABLE PART OF THE DEVICE AT 42" AFF.
	FIRE ALARM SIGNAL, HORN AND FLASHING LIGHT, 80" AFF TO THE BOTTOM OF THE LINES. "C" DESIGNATION INDICATES CEILING MOUNTED.
	FIRE ALARM STROBE LIGHT, 80" AFF TO THE BOTTOM OF THE LENS.
	FIRE ALARM STROBE LIGHT, CEILING MOUNTED.
	FIRE ALARM SIGNAL, HORN, 90" AFF TO THE TOP OF THE DEVICE, WEATHER PROOF.
	FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED.
	FIRE ALARM DUCT SMOKE DETECTOR LOCATED IN HVAC DUCT.
	FIRE ALARM HEAT DETECTOR, 135 DEG. OPERATION.
	FIRE ALARM CARBON MONOXIDE DETECTOR.
	FIRE ALARM DOOR HOLDER, WALL MOUNTED, CONSULT ARCHITECTURAL DRAWINGS TO DETERMINE TYPE REQUIRED. PROVIDE POWER FROM NEAREST RECEPTACLE CIRCUIT AND CONNECT TO FIRE ALARM SYSTEM.
	TAMPER SWITCH, FURNISHED AND INSTALLED WITH SPRINKLER SYSTEM. INTERLOCK WITH FIRE ALARM SYSTEM BY ELECTRICAL.
	FLOW SWITCH, FURNISHED AND INSTALLED WITH SPRINKLER SYSTEM. INTERLOCK WITH FIRE ALARM SYSTEM BY ELECTRICAL.
	FIRE ALARM CONTROL PANEL, FLUSH RECESSED WALL MOUNTED.
	FIRE ALARM REMOTE LCD ANNUNCIATOR PANEL, FLUSH RECESSED WALL MOUNTED.
	SMOKE DAMPER, 120V, PROVIDE POWER CONNECTION AND ALL NEEDED SMOKE DETECTION AND CONTROL MODULES AS REQUIRED BY NFPA 72 FOR PROPER OPERATION.

## GENERAL NOTES:

- THE ELECTRICAL DRAWINGS ARE ONLY PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
- WHERE COMPLETE BRANCH CIRCUIT WIRING IS NOT SHOWN, PROVIDE ACCORDING TO HOMERUNS SHOWN AND CORRESPONDING CIRCUIT NUMBERS ADJACENT TO THE DEVICE OR FIXTURE. REFER TO THE SPECIFICATIONS FOR THE WIRING METHODS. BRANCH CIRCUIT RATINGS SHALL BE BASED ON OVERCURRENT DEVICE RATINGS SHOWN IN THE PANEL SCHEDULES.
- REFER TO THE ELECTRICAL PANELBOARD SCHEDULES AND EQUIPMENT RATINGS & CONNECTIONS SCHEDULE FOR VOLTAGE, BRANCH CIRCUITS REQUIREMENTS, BREAKERS SIZES AND OTHER RELATED ELECTRICAL EQUIPMENT TO BE PROVIDED AND/OR INSTALLED BY THE ELECTRICAL CONTRACTOR.

## MISCELLANEOUS COMPONENTS:

	JUNCTION BOX: MTD. ABOVE CEILING
	JUNCTION BOX: WALL MTD.

## BDA / ERRC SYSTEM NOTES:

- THE CONTRACTOR SHALL PROVIDE A COMPLETE BI-DIRECTIONAL ANTENNA (BDA) SYSTEM FOR EMERGENCY RESPONDER RADIO COVERAGE (ERRC) FOR THE ENTIRE BUILDING. THE BDA/ERRC SYSTEM SHALL BE DESIGNED AND INSTALLED BY AN FCC CERTIFIED TECHNICIAN TRAINED ON THE SYSTEM BEING INSTALLED. THE SYSTEM SHALL COMPLY WITH UL 2524, NFPA 72, NFPA 1221 AND IFC. THE SYSTEM SHALL BE OF THE SAME MANUFACTURER AS THE FIRE ALARM SYSTEM. BDA SYSTEM DESIGN SHALL BE SUBMITTED WITH THE FIRE ALARM SYSTEM SHOP DRAWINGS FOR ENGINEER'S REVIEW. PROVIDE ROOF PENETRATION AS REQUIRED FOR ROOF MOUNTED ANTENNA. COORDINATE WITH ARCHITECT FOR LOCATION. CRITICAL AREAS SHALL BE PROVIDED WITH 100% FLOOR AREA RADIO COVERAGE. GENERAL BUILDING AREAS SHALL BE PROVIDED WITH 95% RADIO COVERAGE, OR AS SPECIFIED BY AHJ.
- BDA/ERRC SYSTEM SHALL BE A DEDUCTIVE ALTERNATE IN THE BID PRICE. RADIO SIGNAL COVERAGE IN THE BUILDING SHALL BE TESTED NEAR THE END OF BUILDING ONSTRUCTION AFTER ALL WALLS, CEILINGS, ROOF AND MAJOR COMPONENTS HAVE BEEN INSTALLED. THE PRICE OF THE SYSTEM SHALL BE OFFERED BACK TO OWNER NLY IF RADIO SIGNALS (WITHOUT THE BDA/ERRC SYSTEM) MEET THE COVERAGE REQUIREMENTS LISTED ABOVE.

## LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER/SERIES	REFLECTOR/DIFFUSER	FINISH	MOUNTING	LAMPS	NOTES
A	2'X4' VOLUMETRIC LED TROFFER	LITHONIA VTL SERIES COLUMBIA	ACRYLIC LINEAR PRISMATIC CENTER DIFFUSER WITH DIFFUSER TRIM RINGS	WHITE	RECESSED CEILING	4000 LUMENS 33W 4000K	0-10V DIMMING TO 1%
A2	2'X2' VOLUMETRIC LED TROFFER	METALUX CRUZ SERIES DAY-BRITE				3300 LUMENS 27W 4000K	
AF	2'X4' VOLUMETRIC LED TROFFER	LITHONIA VTL SERIES COLUMBIA	ACRYLIC LINEAR PRISMATIC CENTER DIFFUSER WITH DIFFUSER TRIM RINGS	WHITE	RECESSED CEILING, FLANGE MOUNTED.	4000 LUMENS 33W 4000K	
B	2'X4' LED FLAT PANEL SELECTABLE LUMENS	LITHONIA CPANL SERIES ELITE 22PLB1 SERIES METALUX FPS SERIES ILP VPAN SERIES	FROSTED ACRYLIC LENS	WHITE	RECESSED CEILING	4000 LUMENS 40W 4000K	
C	4' LONG LED VAPORTIGHT LIGHT	LITHONIA DMW2 SERIES METALUX 4V73 SERIES COLUMBIA LXEM SERIES ILP WTZ SERIES	FIBERGLASS REINFORCED POLYESTER HOUSING, HIGH IMPACT POLYCARBONATE LENS	WHITE	SURFACE	4,000 LUMENS 32W 4000K	WET LOCATION, IP67 LISTED
D	6" ROUND LED DOWN LIGHT	LITHONIA LDN6 SERIES HALO COMMERCIAL P06 SERIES PRESOLITE LF6 SERIES INTENSE IML6, ELITE HH6	OPEN SEMI-SPECULAR CLEAR ALZAK CONE. MEDIUM BEAM SPREAD.	TRIM RING - WHITE	RECESSED CEILING	2000 LUMENS 22.5W 4000K	0-10V DIMMING TO 1%
E	4' LED STRIP	LITHONIA ZLD10 SERIES METALUX SRLED SERIES COLUMBIA LCL SERIES ELITE OEC SERIES	FROSTED DROP LENS	WHITE (HOUSING)	SURFACE OR SUSPENDED	5,000 LUMENS 41W 4000K	
EM	2 HEAD, WALL MOUNTED EMERGENCY FIXTURE	LITHONIA "ELM" SERIES BEGHELLI HUBBELL SURE-LITE DUAL-LITE		WHITE	WALL MOUNTED	LED	90 MIN. BATTERY
OA	LED WALL PACK SURFACE MOUNT VANDAL RESISTANT	LITHONIA WDGE SERIES MCGRAW/EDISON IST SERIES SPALDING TRP SERIES GARCOO 101 SERIES HUBBELL TRP2 SERIES	TYPE IV DISTRIBUTION	BY ARCHITECT	WALL MOUNTED	4000 LUMENS 45W 4000K	
OB	SQUARE SEMI-RECESSED SOFFIT LIGHT	LITHONIA SCNY LED SERIES MCGRAW/EDISON SPALDING GARCOO HUBBELL	FLAT POLYCARBONATE FROSTED LENS	WHITE	RECESSED	4200 LUMENS 28W 4000K	
SL	POLE MOUNTED SITE LIGHT	LITHONIA DSX1 SERIES BEACON VIPER SERIES GARCOO PUREFORM SERIES ILP SKYLINE SERIE	TYPE 3 MEDIUM DISTRIBUTION	BY ARCHITECT	PROVIDE 30" SQUARE STEEL POLE	LED, 20,939 LUMENS, 165W, 4000K	
XA	SINGLE FACE EXIT	BEGHELLI OL2 SERIES HUBBELL LE SERIES SURE-LITE ES SERIES EMERIGLITE LXN SERIES DUAL-LITE LES SERIES LITHONIA EDGR SERIES	GREEN LETTERS "EXIT"	INJECTION MOLDED, CLEAR ACRYLIC LENS W/RECESSED HOUSING	CEILING	LED	
XB	DOUBLE FACE EXIT						

## MECHANICAL EQUIPMENT RATINGS AND CONNECTIONS

ITEM	VOLT	PH	FLA	MCA	MOCP	PANEL CKT	DISCONNECT	WIRE SIZE	NOTES
AV	120 V	1	15	15	20	EM1-71	MRS	2#12,#12G, 1/2"C.	
BP-1	208 V	3	16.7	20	30	EM1-60,62,64	30A/3P	3#10,#10G, 3/4"C.	
DHP/DAH-1	208 V	1	33	33	35	EM1-46,48	60A/2P/3R	2#8,#10G, 3/4"C.	NOTE 4
EF-1	120 V	1	2.2	3	15	EM1-50	BY DIV 23	2#12,#12G, 1/2"C.	
EH-1	208 V	1	23.1	25	30	EM1-66,68	BY DIV 23	2#10,#10G, 3/4"C.	
HWCP-1	120 V	1	4	5	20	EM1-81	MRS	2#12,#12G, 1/2"C.	
JH/JH1	208 V	3	92.3	100	125	EM1-61,63,65	200A/3P	3#1/0,#6G, 1-1/2"C.	
JHL	208 V	1	15	15	20	EM1-67,69	30A/2P	2#12, 12G, 1/2"C.	
RAC-1	208 V	3	138	138	175	EM1-40,42,44	BY DIV 23	3#2/0,#6, 2"C.	
TU-1	208 V	3	34	34	35	EM1-28,30,32	BY DIV 23	3#8,#10G, 3/4"C.	
TU-2	208 V	3	12.1	12.1	15	EM1-34,36,38	BY DIV 23	3#12,#12G, 1/2"C.	
TU-3	208 V	3	12.1	12.1	15	EM1-43,45,47	BY DIV 23	3#12,#12G, 1/2"C.	
TU-4	208 V	3	44.5	44.4	45	EM1-49,51,53	BY DIV 23	3#6,#10G, 1"C.	
TU-5	208 V	3	49.6	49.6	50	EM1-55,57,59	BY DIV 23	3#6,#10G, 1"C.	
WH-1	208 V	3	28.9	30	40	EM1-54,56,58	60A/3P	3#8,#10G, 3/4"C.	

## MECHANICAL EQUIPMENT RATINGS AND CONNECTION SCHEDULE NOTES:

- REFER TO SECTION 260120 FOR THE COORDINATION AFFIDAVIT THAT MUST BE SUBMITTED AND APPROVED BEFORE MATERIALS MAY BE ORDERED.
- THE DESIGN IS BASED ON SINGLE POINT CONNECTIONS TO ALL EQUIPMENT, UNLESS NOTED OTHERWISE.
- WHERE STARTER IS REQUIRED BY DIV 26, IT IS SHOWN AS SIZE 1, ETC. ALL STARTERS SHALL BE COMBINATION TYPE UNLESS INDICATED OTHERWISE. DISCONNECTS ARE SHOWN AS 30/3/1, ETC.
- THE INDOOR UNIT RECEIVES POWER FROM THE OUTDOOR UNIT. PROVIDE 30 AMP, 3 POLE TOGGLE SWITCH ON LINE SIDE OF INDOOR UNIT. REFER TO UNIT OUT-SHEETS FOR CONNECTION REQUIREMENTS. DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR ALL WIRING COMPONENTS AND INSTALLATION.

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# HUSSEY GAY BELL

*Established 1958*

3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096, T: 770.923.1600

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512

ELECTRICAL LEGEND & DETAILS

DRAWING NUMBER

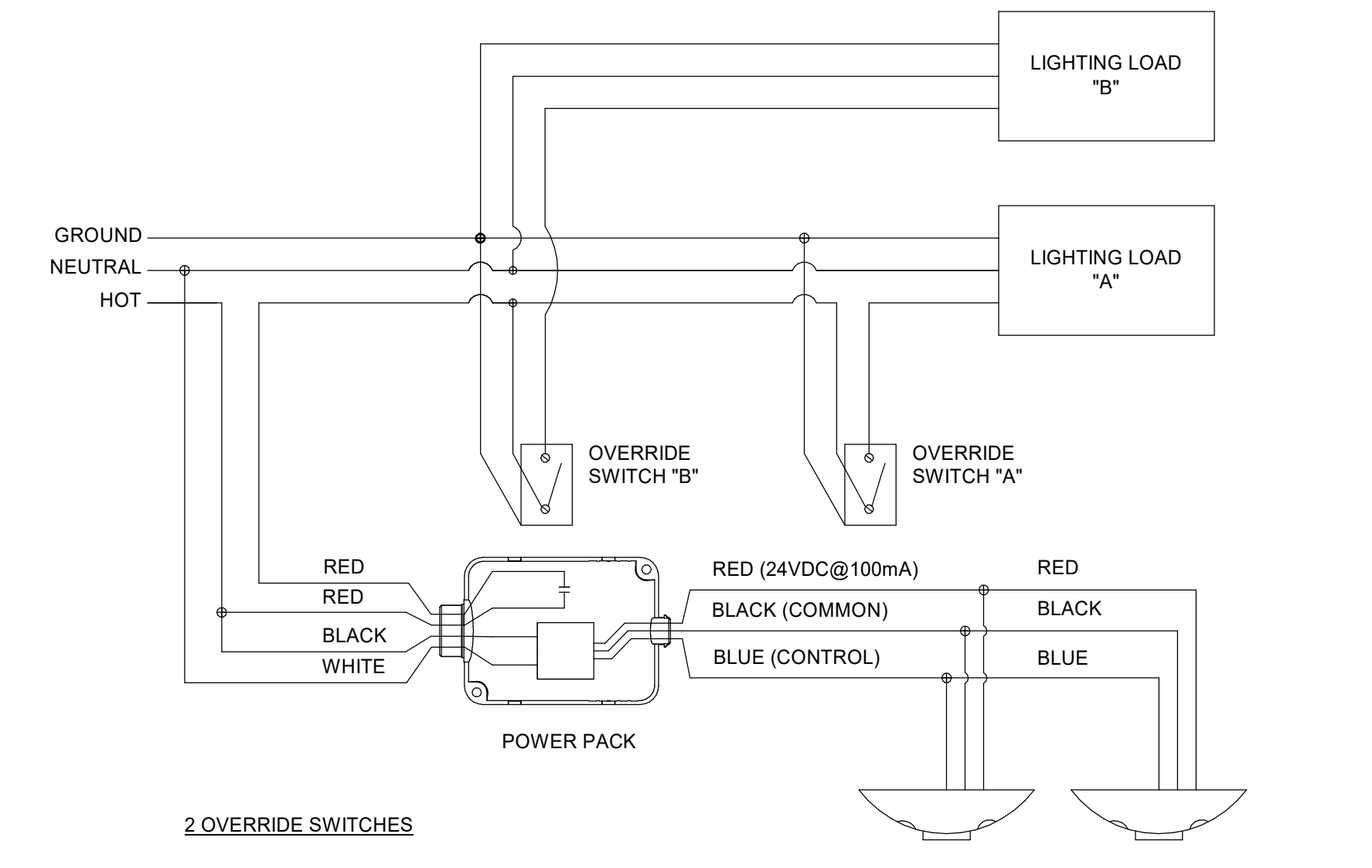
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DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE:	12/06/2024	
JOB NO.	624 1109 01	

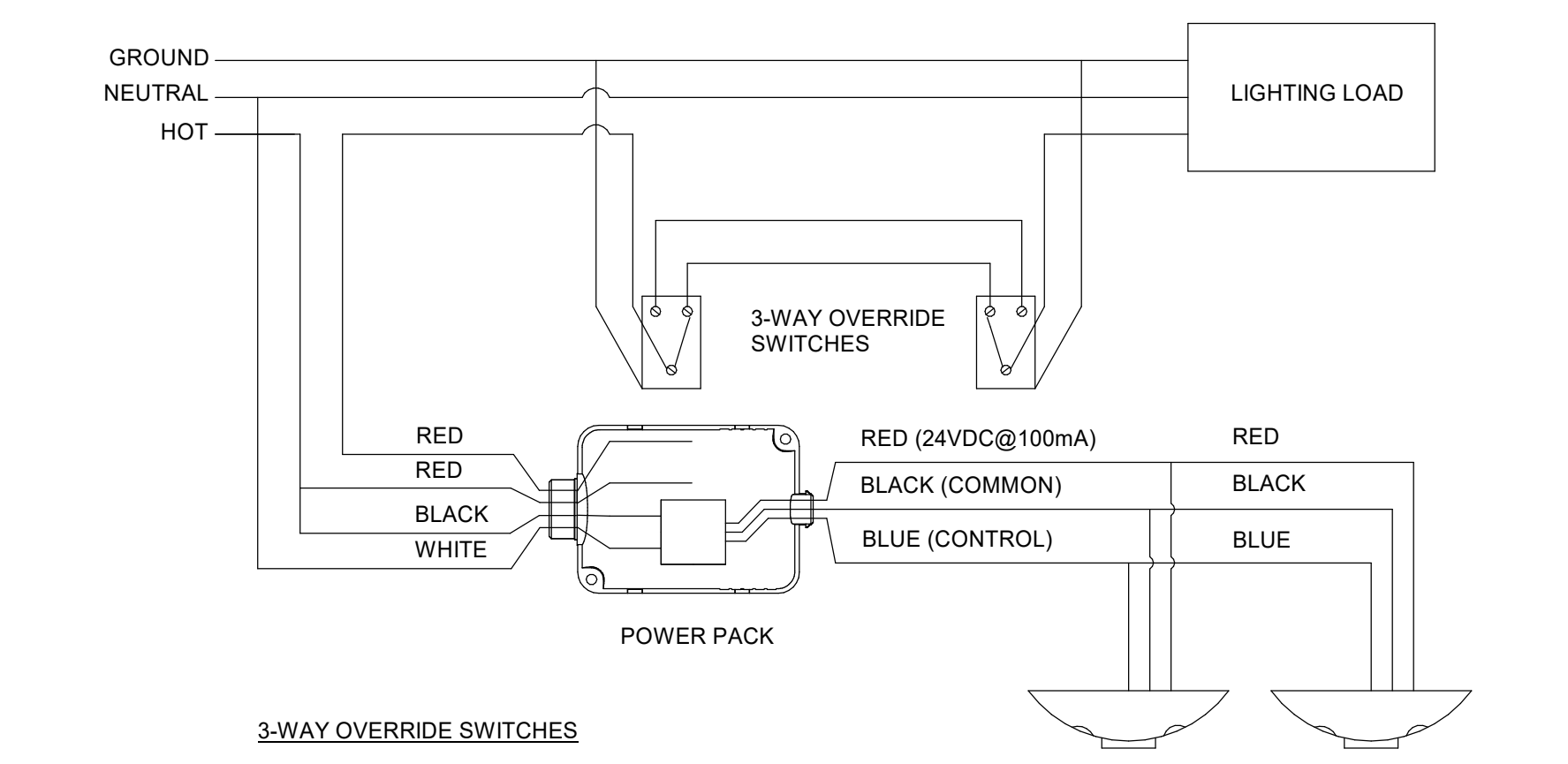
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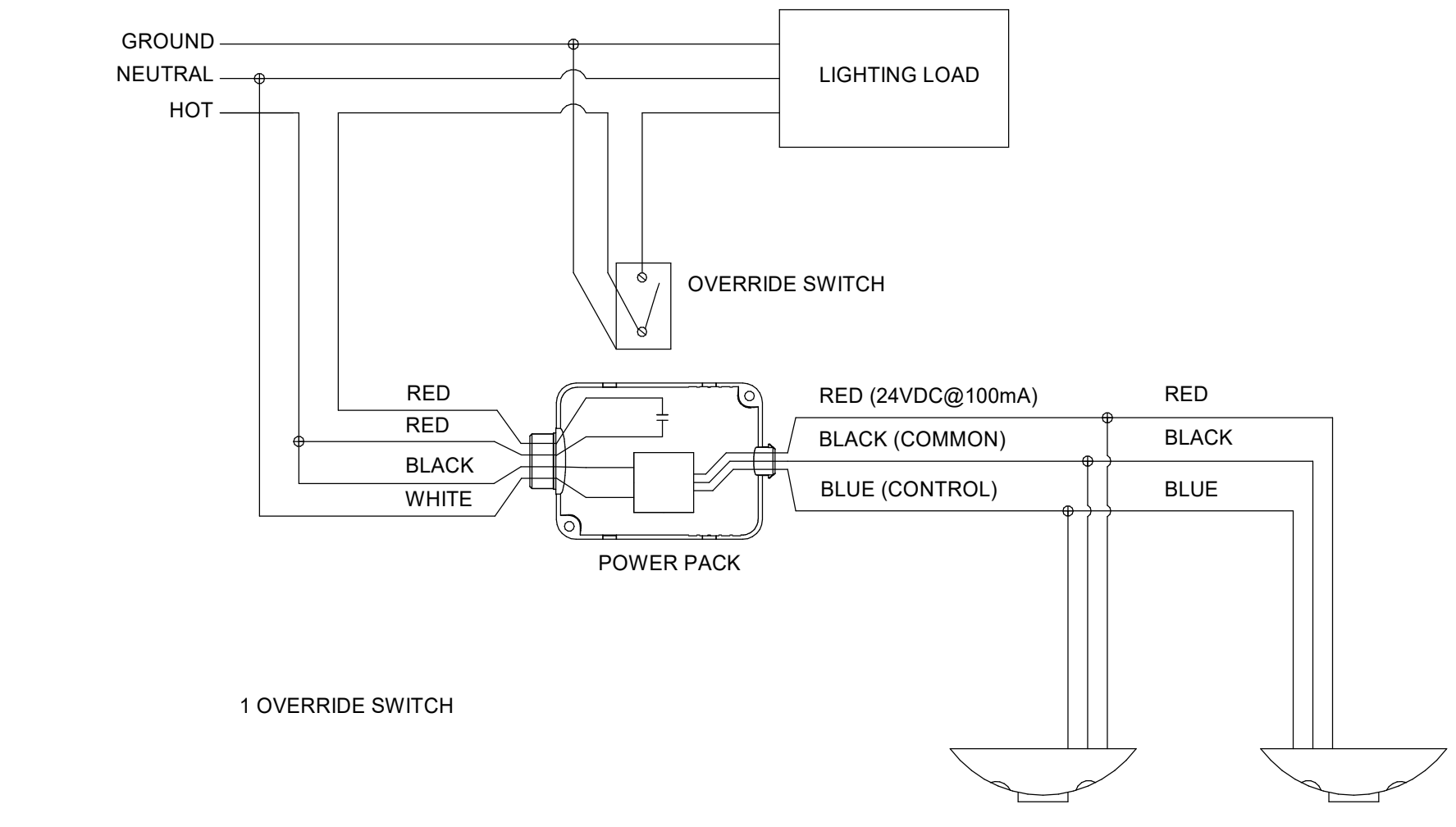
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**E0.02**



2 OVERRIDE SWITCHES



3-WAY OVERRIDE SWITCHES

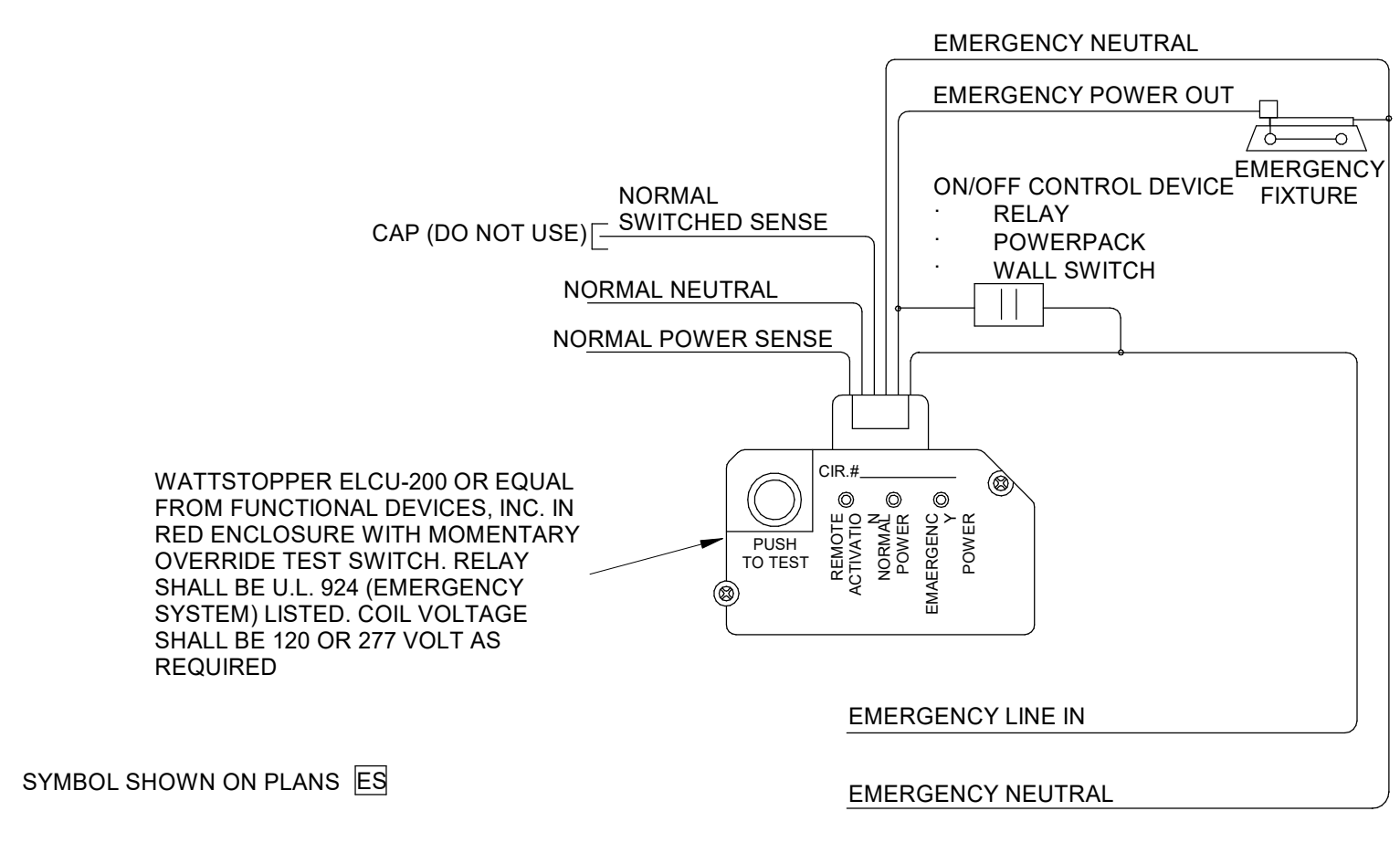


1 OVERRIDE SWITCH

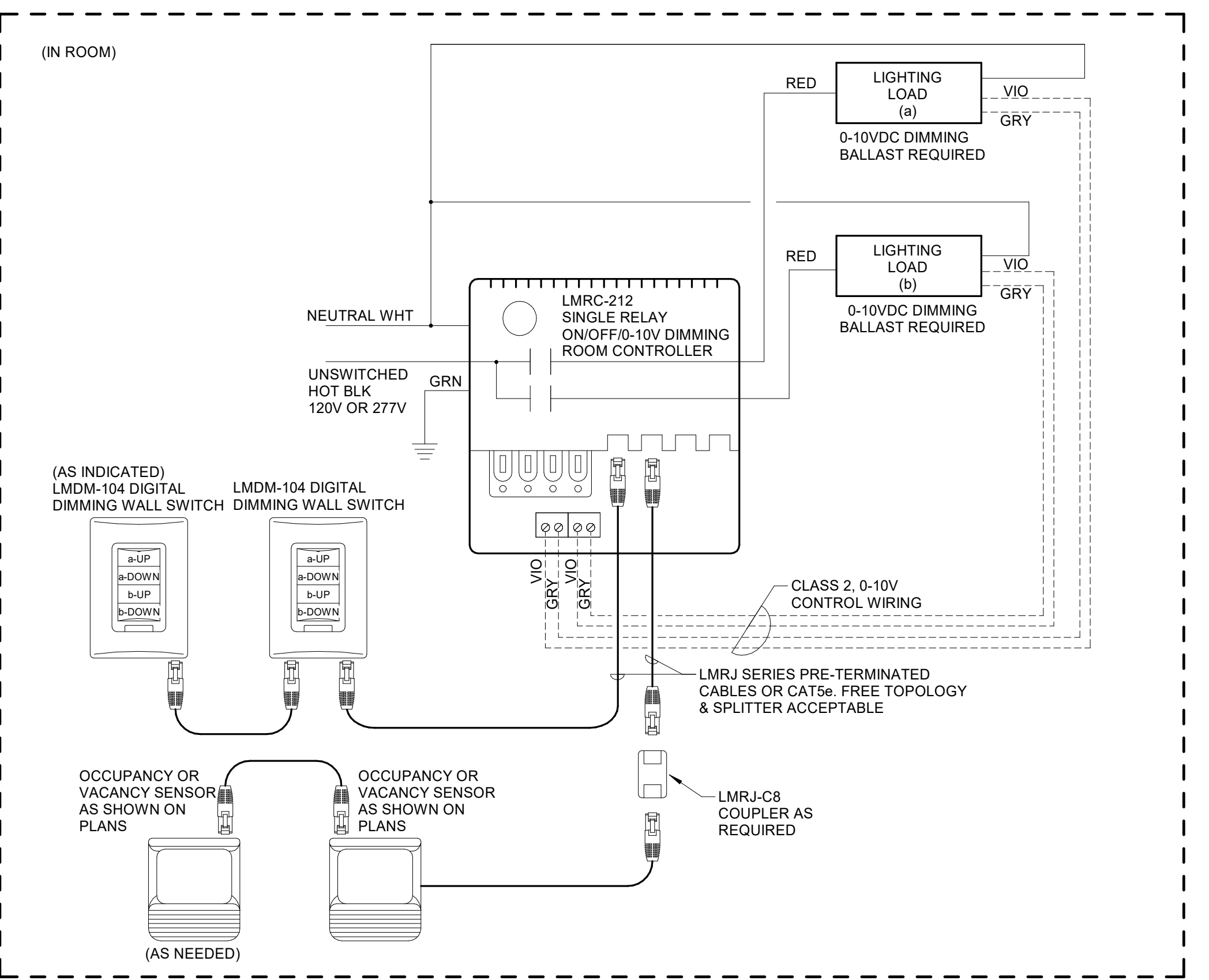
- NOTES:** (OCCUPANCY SENSOR WIRING DETAIL)
- NOT ALL MANUFACTURERS' WIRING CONFIGURATIONS ARE THE SAME. REFER TO MANUFACTURER SPECIFIC WIRING DETAILS PRIOR TO INSTALLATION.
  - THESE PLANS INDICATE AREAS TO BE CONTROLLED BY OCCUPANCY SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION, AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
  - THERE ARE NO POWER PACKS SHOWN ON THESE PLANS. PROVIDE POWER PACKS AS REQUIRED WITH SENSORS. POWER PACKS ARE TO BE RATED AT 20A. PROVIDE ONE POWER PACK PER 20A LIGHTING CIRCUIT OR PER INDIVIDUAL AREA BEING CONTROLLED.
  - CEILING SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSORS WITH MECHANICAL AND LIGHTING PLANS.
  - ALL SENSORS SHALL BE CEILING MOUNTED EXCEPT WHERE CEILING HEIGHTS EXCEED 15'. PROVIDE SENSOR WITH ADAPTOR PLATE FOR JUNCTION BOX MOUNTING (JUNCTION BOX SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING). JUNCTION BOX SHALL BE SUPPORTED FROM STRUCTURE UTILIZING A 3/8" THREADED ROD, WHERE CEILING HEIGHTS EXCEED 15'. WALL MOUNT SENSORS AT 12'.

### 1 OCCUPANCY SENSOR WIRING

SCALE: NOT TO SCALE

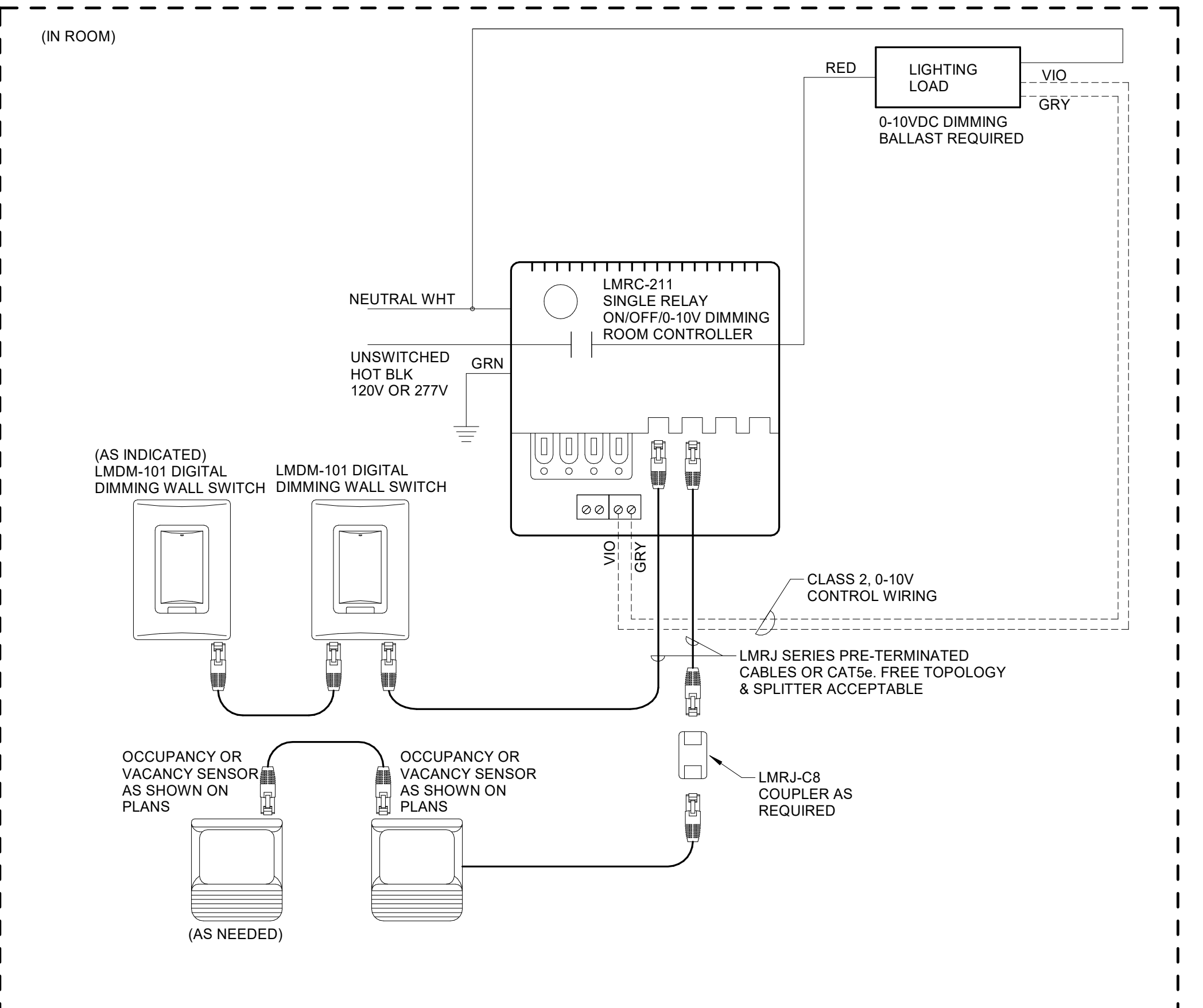


NOTE: NORMAL POWER SENSING FEED IS NOT SHOWN ON THE DRAWINGS BUT SHALL BE PROVIDED FROM NEAREST NORMAL POWER CIRCUIT.



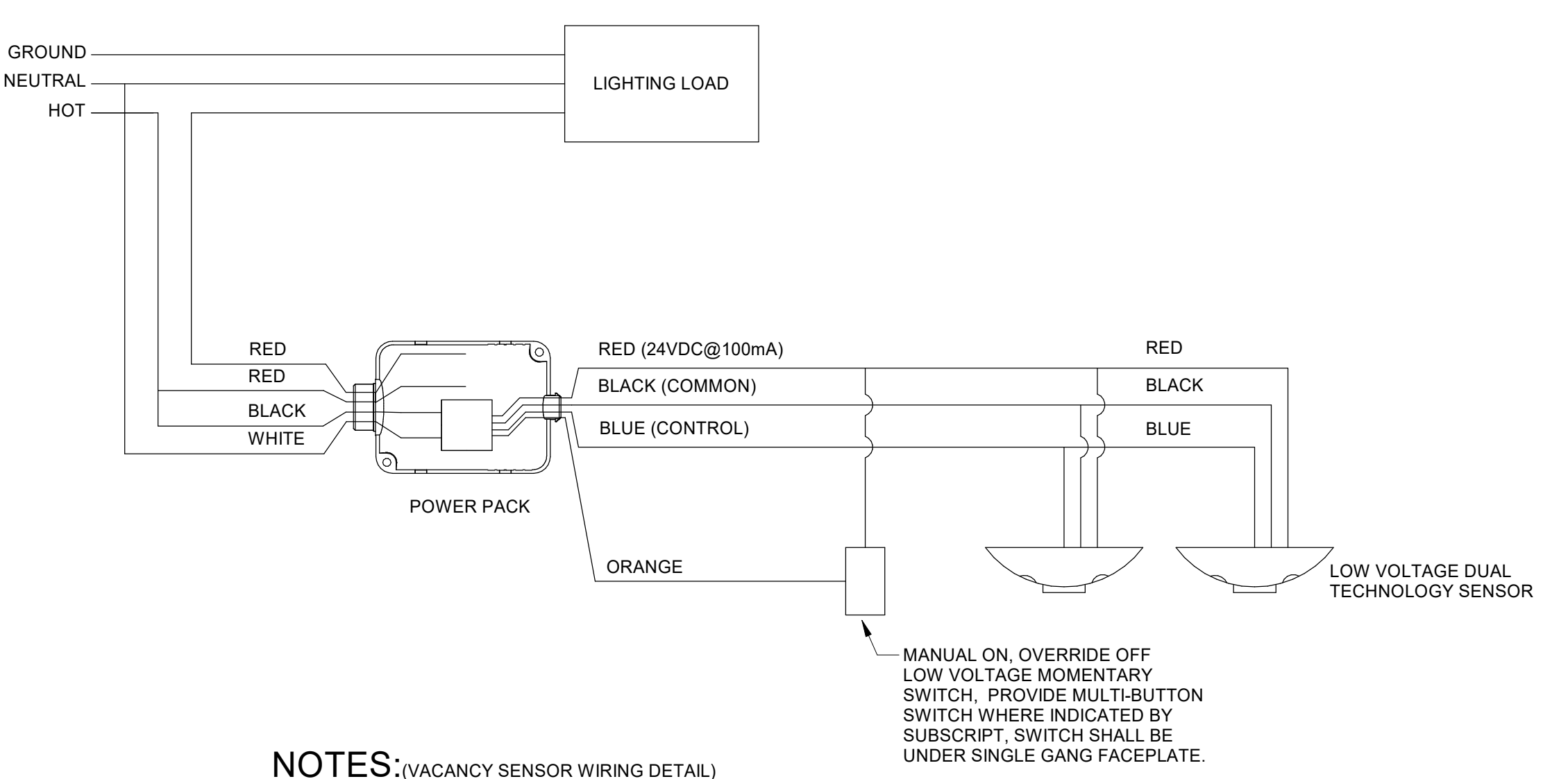
### 2 0-10V DIMMING WIRING SCHEMATICS

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

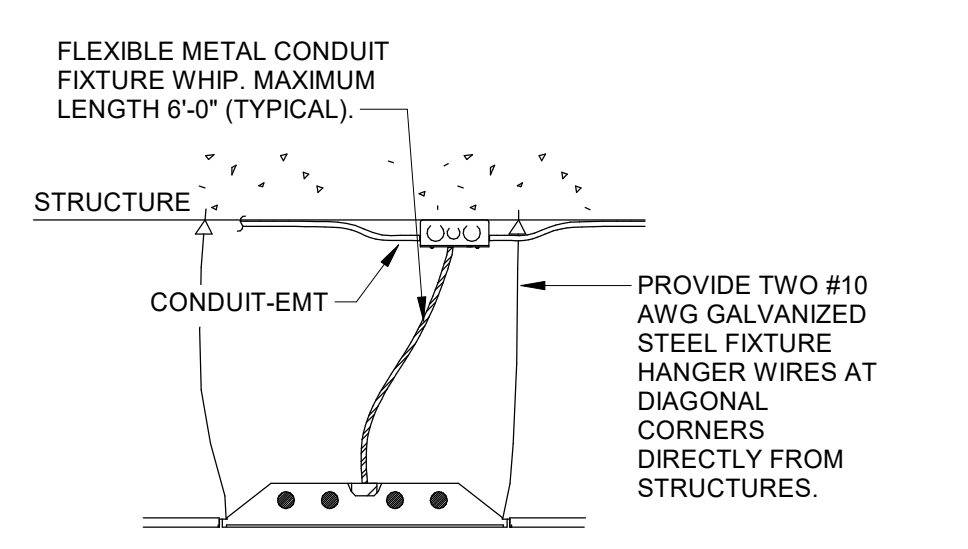


### 3 VACANCY SENSOR WIRING

SCALE: NOT TO SCALE

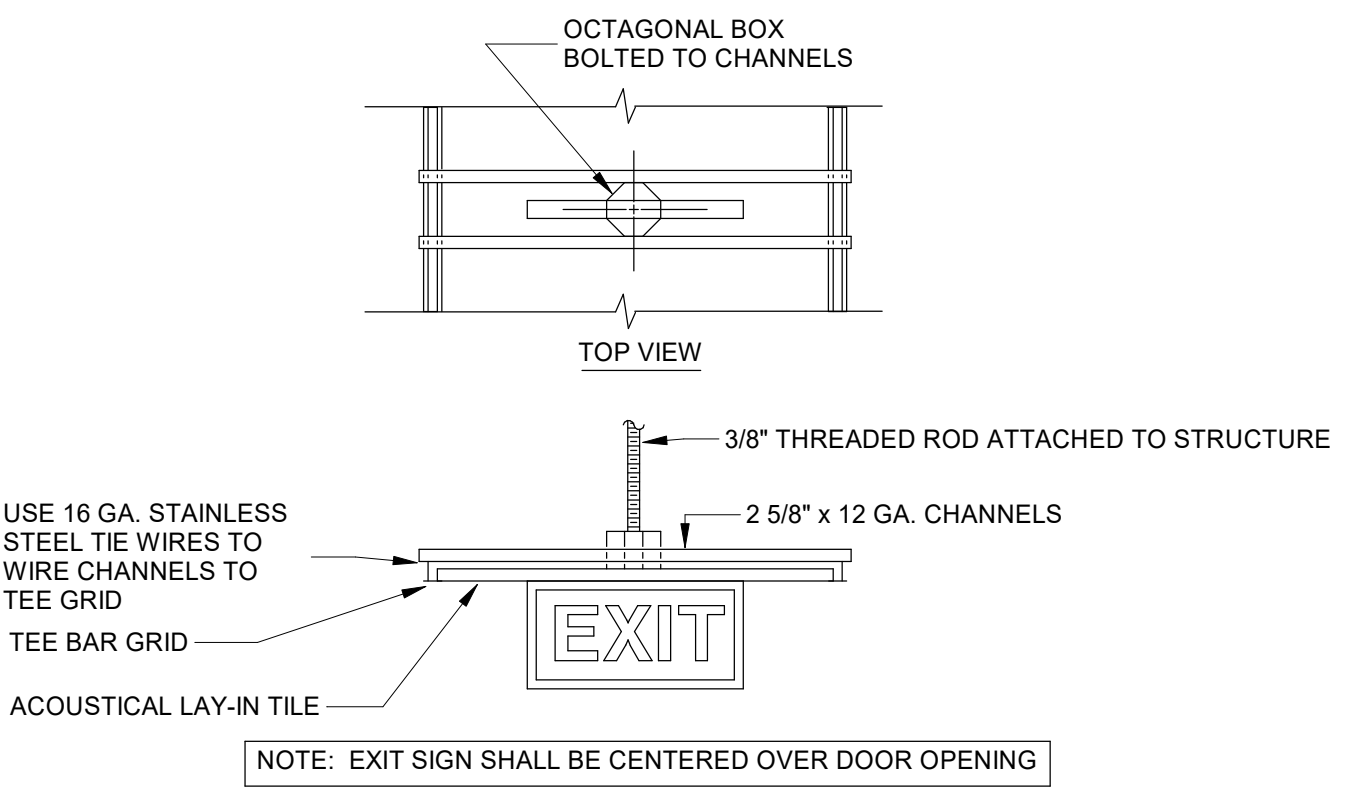


- NOTES:** (VACANCY SENSOR WIRING DETAIL)
- NOT ALL MANUFACTURERS' WIRING CONFIGURATIONS ARE THE SAME. REFER TO MANUFACTURER SPECIFIC WIRING DETAILS PRIOR TO INSTALLATION.
  - THESE PLANS INDICATE AREAS TO BE CONTROLLED BY VACANCY SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION, AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
  - THERE ARE NO POWER PACKS SHOWN ON THESE PLANS. PROVIDE POWER PACKS AS REQUIRED WITH SENSORS. POWER PACKS ARE TO BE RATED AT 20A. PROVIDE ONE S POWER PACK PER 20A LIGHTING CIRCUIT OR PER INDIVIDUAL AREA BEING CONTROLLED.
  - CEILING SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSORS WITH MECHANICAL AND LIGHTING PLANS.
  - ALL SENSORS SHALL BE CEILING MOUNTED EXCEPT WHERE CEILING HEIGHTS EXCEED 15'. PROVIDE SENSOR WITH ADAPTOR PLATE FOR JUNCTION BOX MOUNTING (JUNCTION BOX SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING). JUNCTION BOX SHALL BE SUPPORTED FROM STRUCTURE UTILIZING A 3/8" THREADED ROD, WHERE CEILING HEIGHTS EXCEED 15'. WALL MOUNT SENSORS AT 12'.



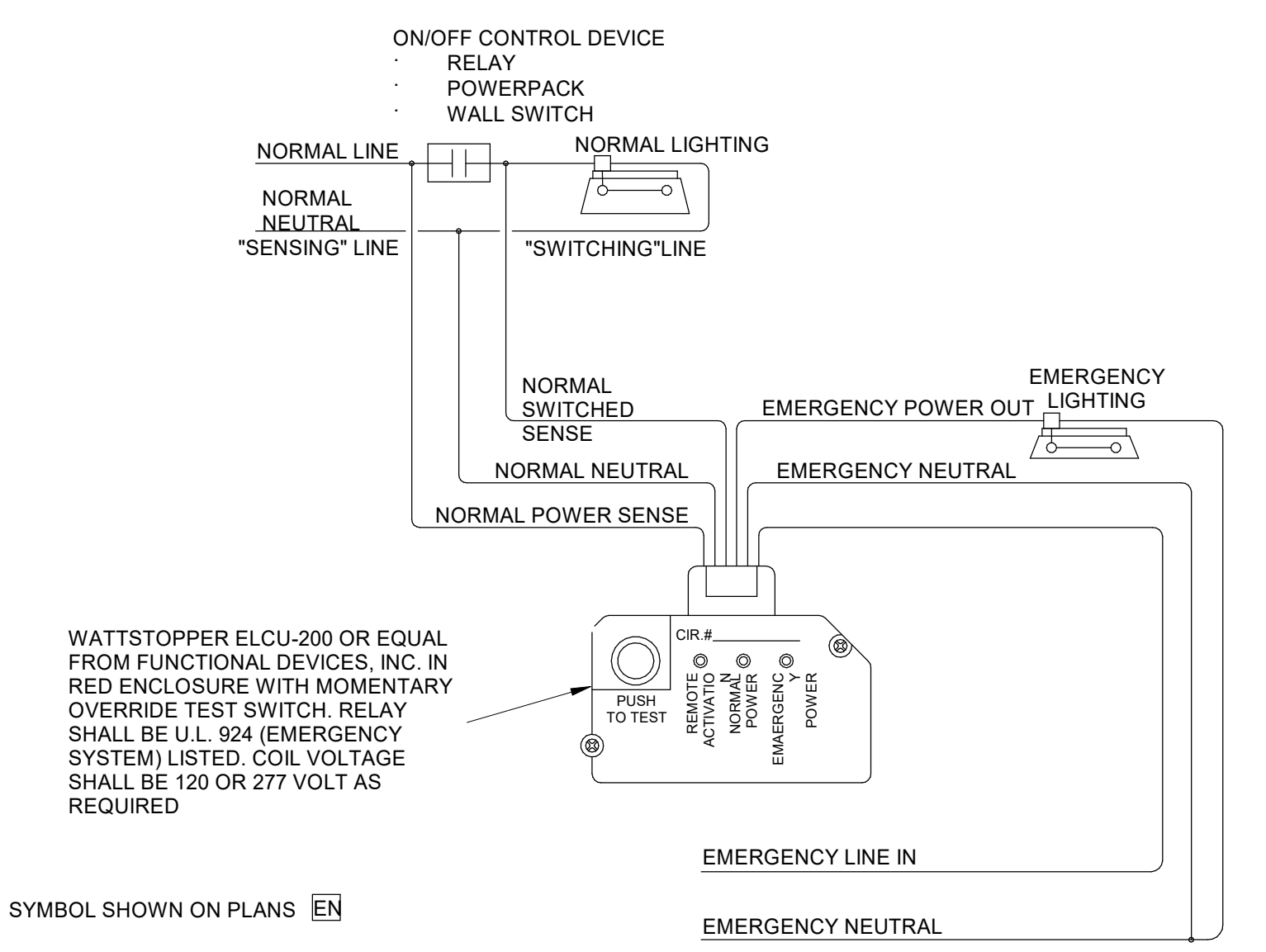
### 4 LIGHT FIXTURE MOUNTING

SCALE: NOT TO SCALE



### 5 EXIT LIGHT MOUNTING

SCALE: NOT TO SCALE



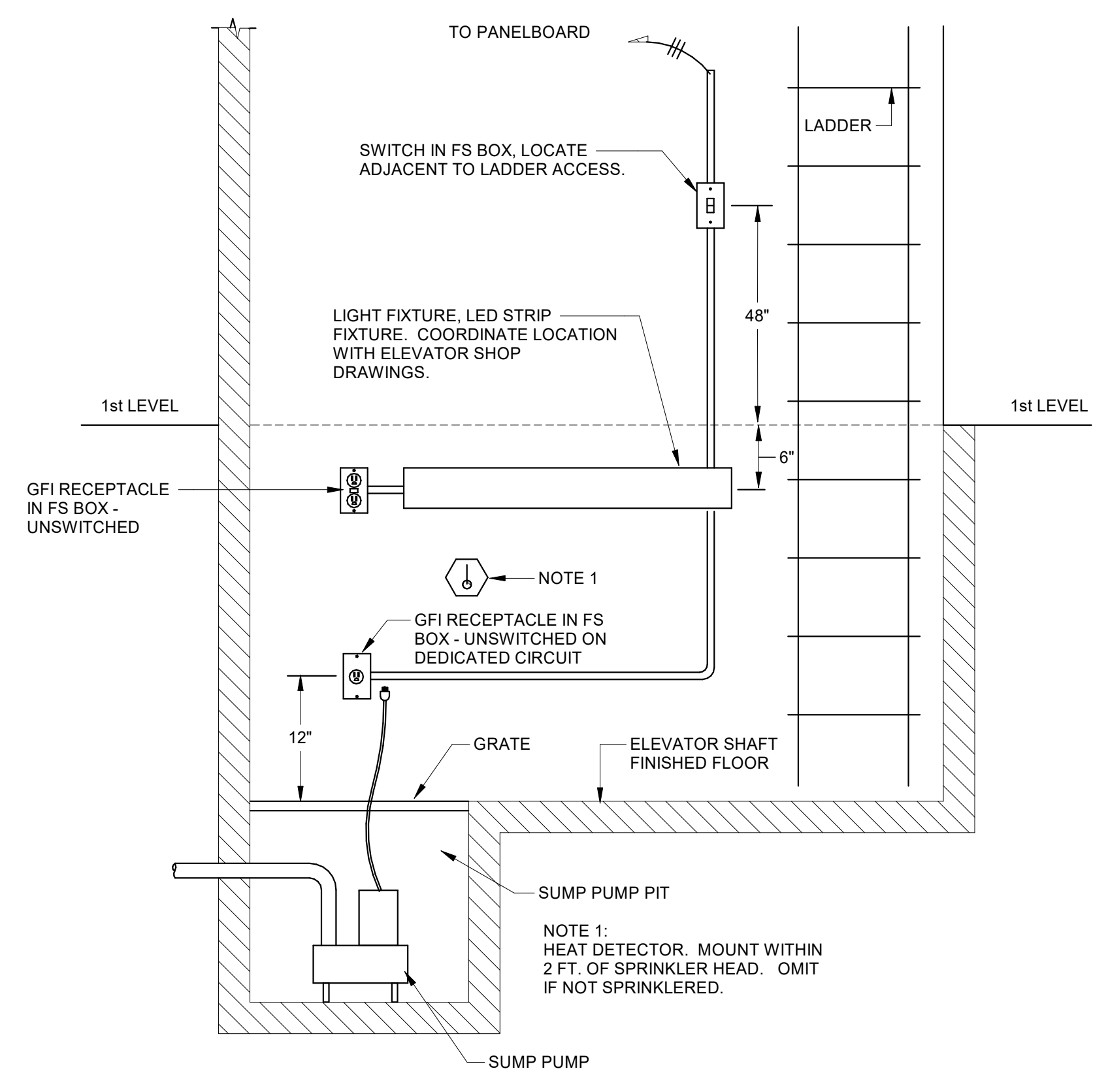
NOTE: NORMAL POWER SENSING FEED IS NOT SHOWN ON THE DRAWINGS BUT SHALL BE PROVIDED FROM NEAREST NORMAL POWER CIRCUIT.

### 6 SWITCHED EMERGENCY LIGHTING

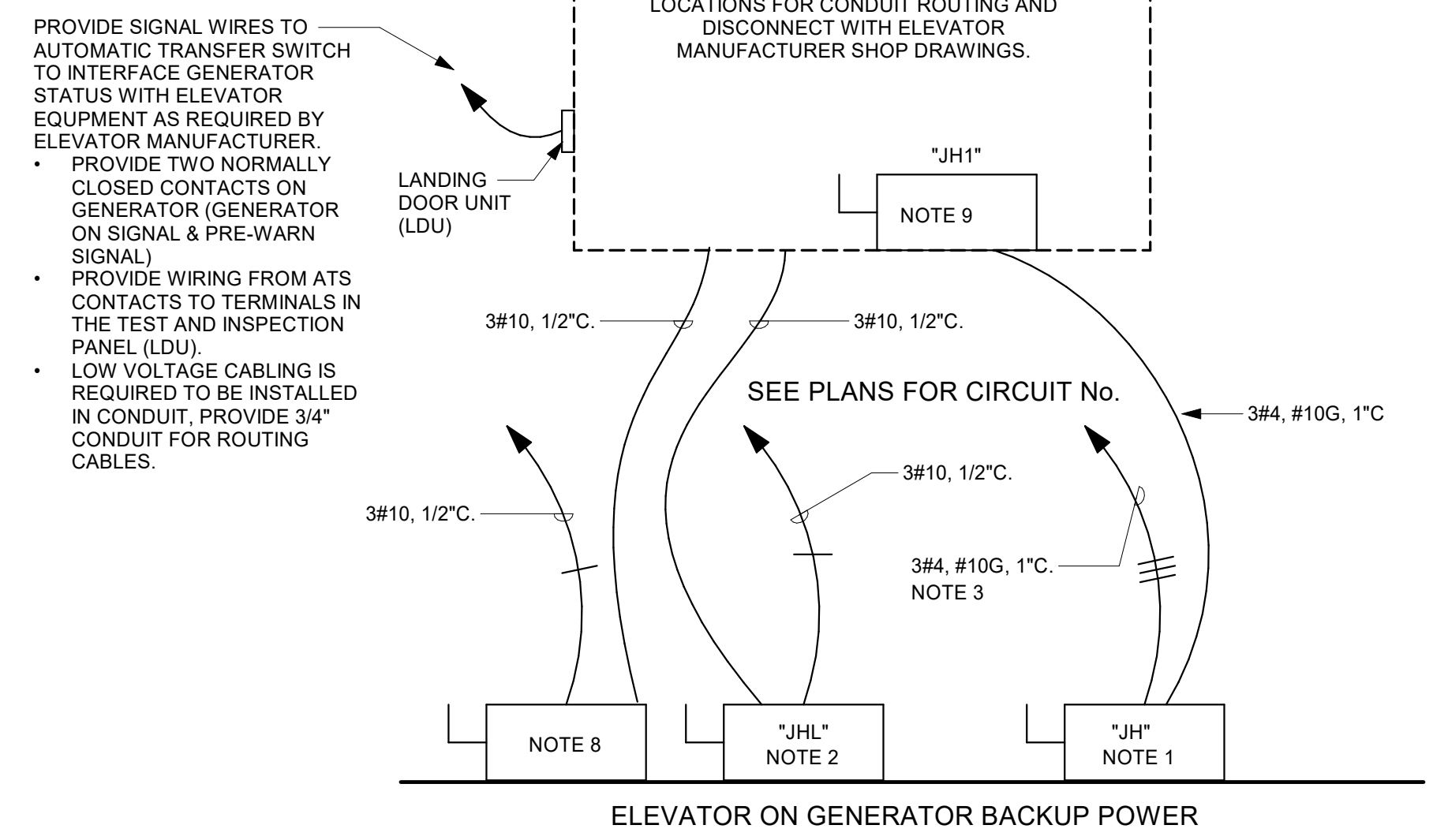
SCALE: NOT TO SCALE

### 7 EMERGENCY LIGHTS SWITCHED WITH NORMAL

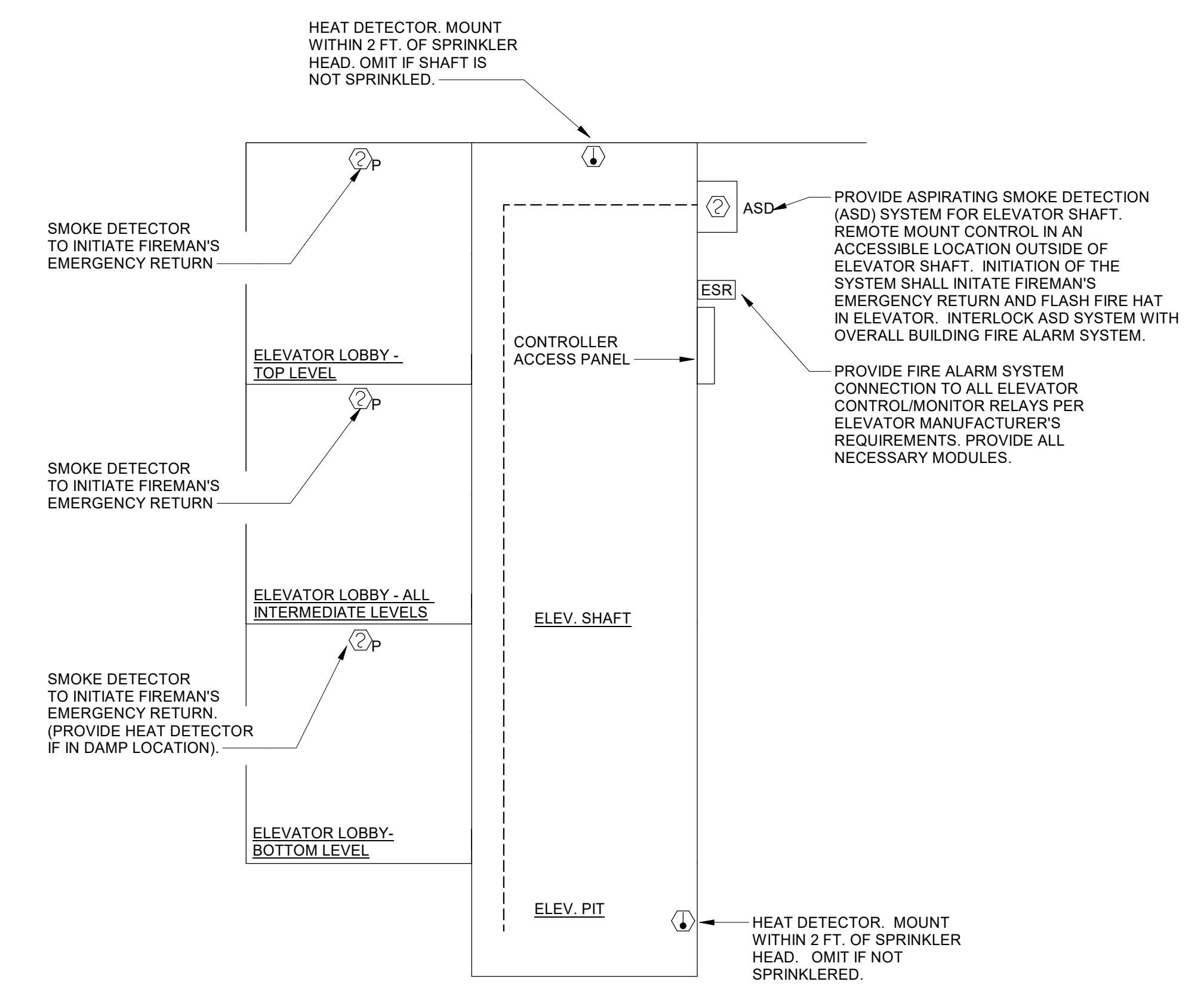
SCALE: 1/8" = 1'-0"



**1 ELEVATOR ELEVATION - ELECTRICAL**  
E0.03 SCALE: NOT TO SCALE

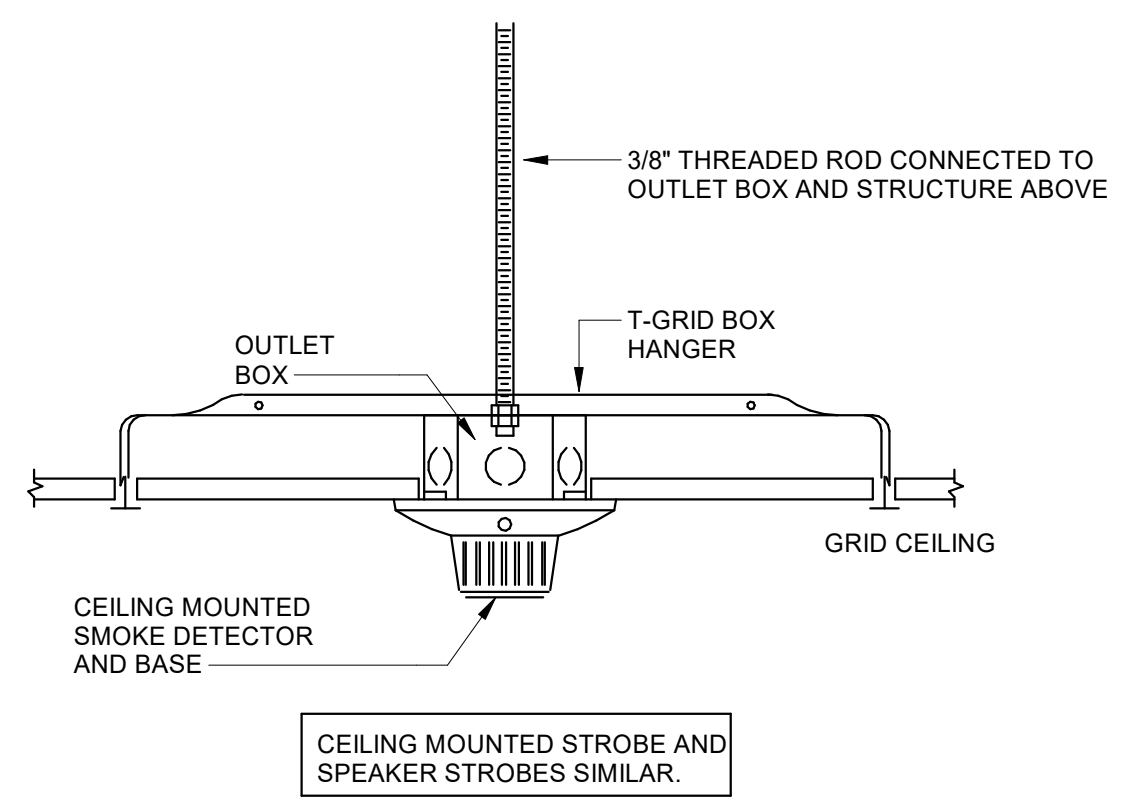


- NOTES:**
- PROVIDE 100A/3P FUSED DISCONNECT. PROVIDE AUXILIARY CONTACTS TO OPEN CIRCUIT TO EMERGENCY RETURN UNIT WHEN MAIN DISCONNECT IS OPEN. FUSE DISCONNECT PER ELEVATOR MANUFACTURER'S REQUIREMENTS. LOCATE FUSED DISCONNECT IN ROOM INDICATED IN REVISED PLAN.
  - PROVIDE 30A/2P FUSED DISCONNECT FOR ELEVATOR CAB LIGHTS. FUSE DISCONNECT PER ELEVATOR MANUFACTURER'S REQUIREMENTS. LOCATE FUSED DISCONNECT IN ROOM INDICATED IN REVISED PLAN.
  - PROVIDE, AS A MINIMUM, THE ELEVATOR POWER CIRCUIT SHOWN. COORDINATE EXACT FEEDER SIZE WITH THE ELEVATOR MANUFACTURER FOR THE EQUIPMENT ACTUALLY PROVIDED.
  - (GENERAL) ARRANGE EQUIPMENT IN SPACE AS RECOMMENDED BY ELEVATOR SUPPLIER AND ACCORDING TO N.E.C.
  - (GENERAL) PROVIDE ITEMS NOT SHOWN BUT REQUIRED BY THE ELEVATOR MANUFACTURER.
  - (GENERAL) HEAT DETECTOR AT TOP OF ELEVATOR SHAFT AND ELEVATOR PIT SHALL SHUNT BREAKER WHEN ACTIVATED. SEE ELEVATOR ELEVATION - FIRE ALARM DETAIL FOR LOCATION OF HEAT DETECTORS.
  - (GENERAL) ALL CONDUITS SHALL BE INSTALLED OUTSIDE OF ELEVATOR SHAFT.
  - 30A/2P DISCONNECT FOR 2-WAY AUDIO/VISUAL COMMUNICATIONS CIRCUIT.
  - PROVIDE 30A/3P NON-FUSED DISCONNECT WITH AUXILIARY CONTACTS (LOCKABLE IN THE OPEN POSITION) AT TOP OF ELEVATOR SHAFT WITHIN SIGHT OF MOTOR CONTROLLER WHERE INDICATED IN ELEVATOR SHOP DRAWINGS. PROVIDE A LABEL ON THIS DISCONNECT STATING THE LOCATION OF DISCONNECT "JH1" AND BRANCH CIRCUIT OVERCURRENT PROTECTION DEVICE IN ACCORDANCE WITH N.E.C.



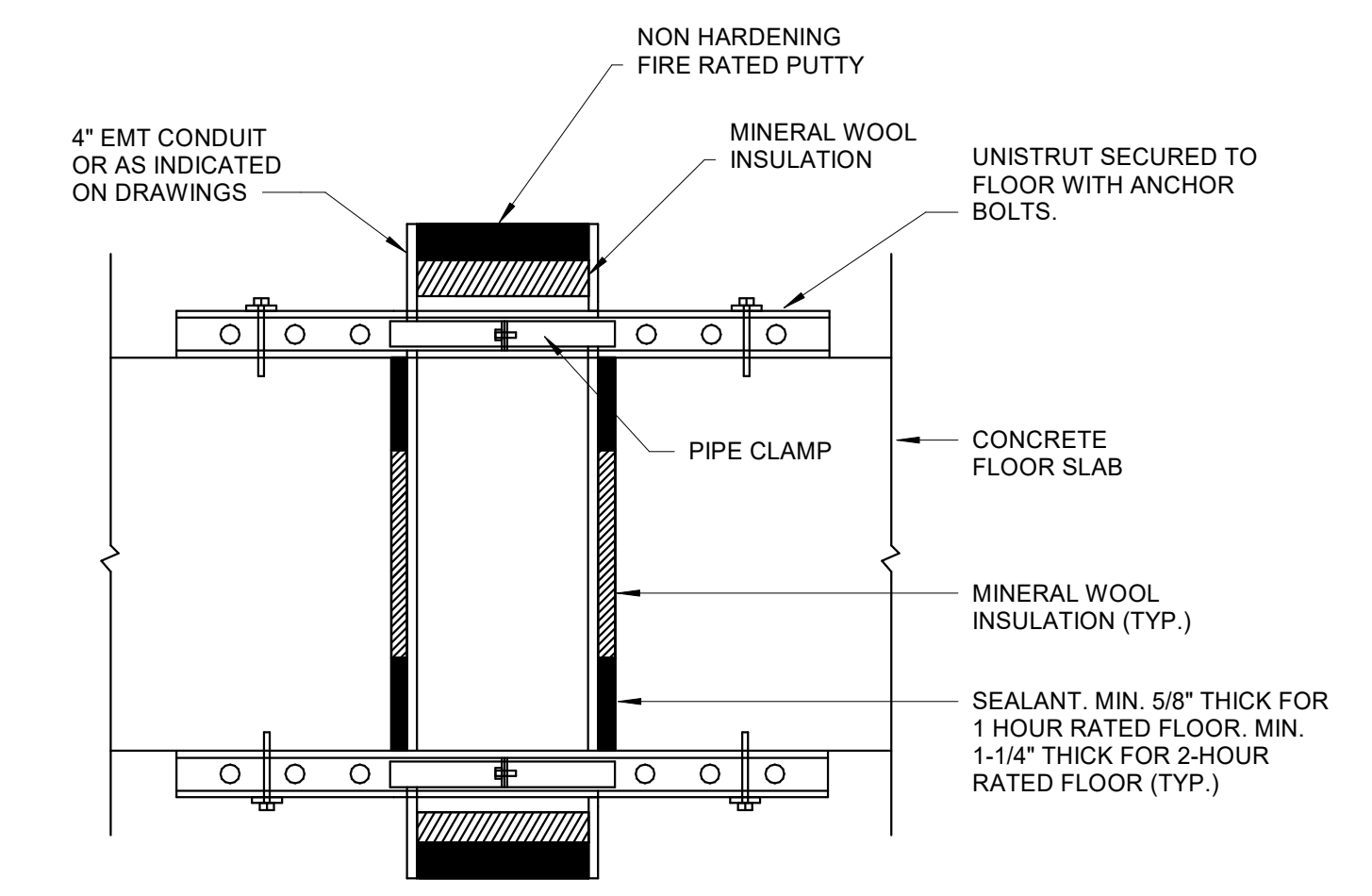
- GENERAL NOTES: (MRL ELEVATOR - FIRE ALARM DETAIL)**
- COORDINATE INSTALLATION OF DETECTORS WITH ELEVATOR EQUIPMENT.
  - INTERLOCK HEAT DETECTORS WITH SHUNT TRIP BREAKER SERVING ELEVATOR TO INITIATE ELEVATOR POWER SHUTOFF UPON ACTIVATION.
  - THE EXACT PLACEMENT OF DETECTORS SHALL BE FIELD DETERMINED IN ACCORDANCE WITH ASME A17.1, NFPA 72, AND THE ELEVATOR MANUFACTURER.
  - THIS DETAIL SHALL BE ADAPTED AS REQUIRED FOR ALL ELEVATORS.

**3 MRL ELEVATOR ELEVATION - FIRE ALARM1**  
E0.03 SCALE: NOT TO SCALE

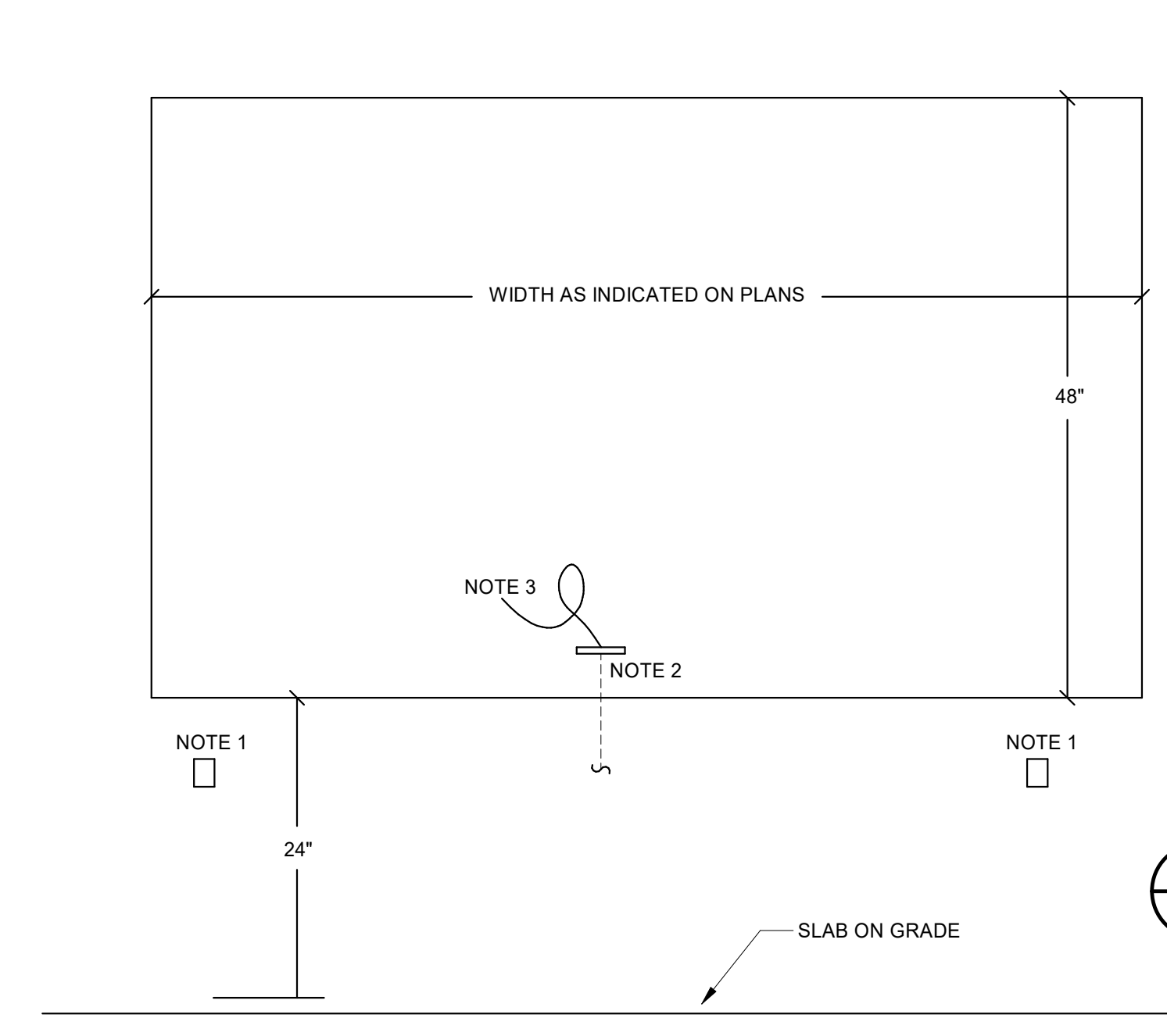


**4 SMOKE DETECTOR MOUNTING**  
E0.03 SCALE: NOT TO SCALE

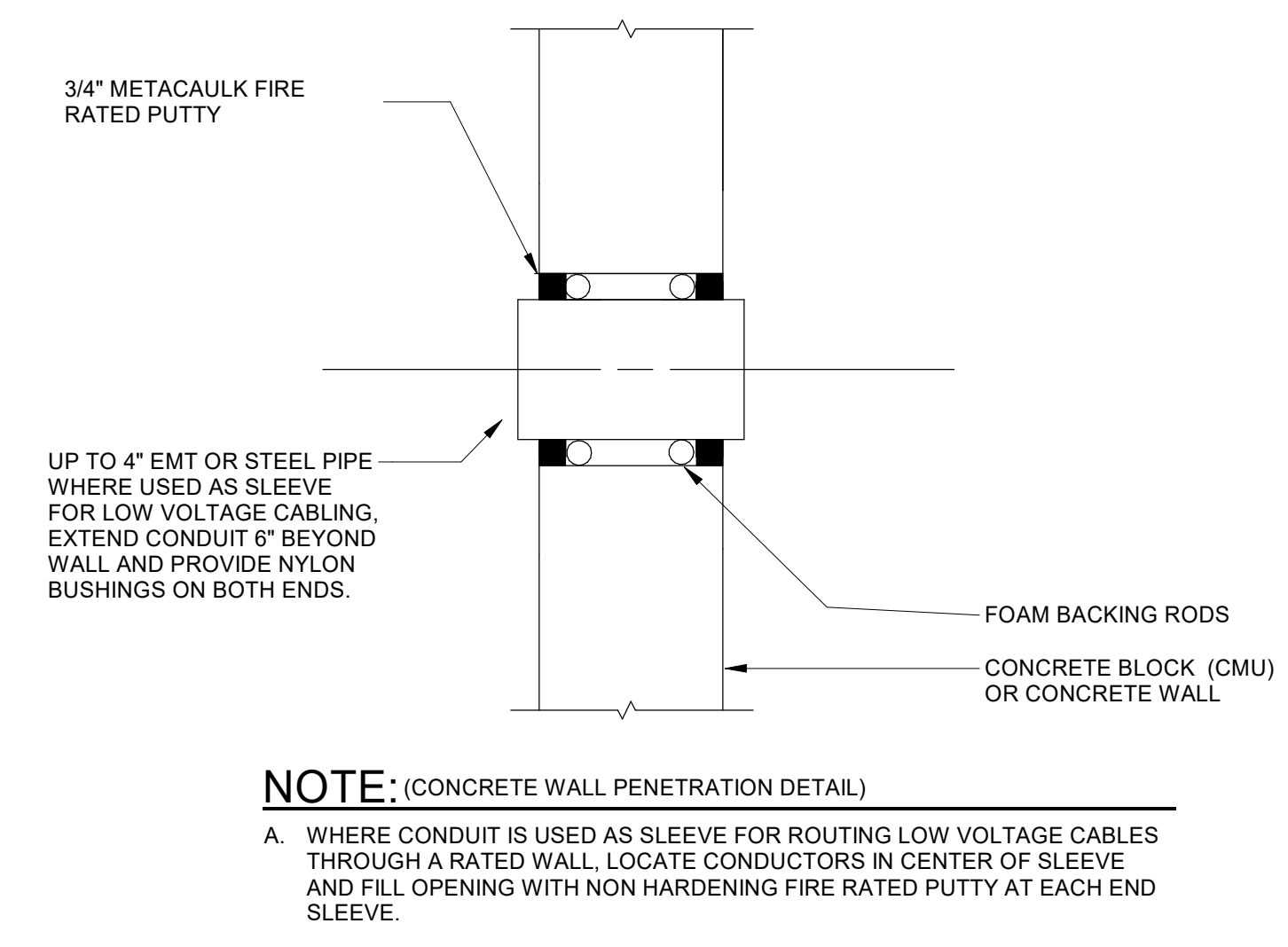
**2 MRL ELEVATOR DISCONNECT SWITCHES - EMERGENCY POWER**  
E0.03 SCALE: NOT TO SCALE



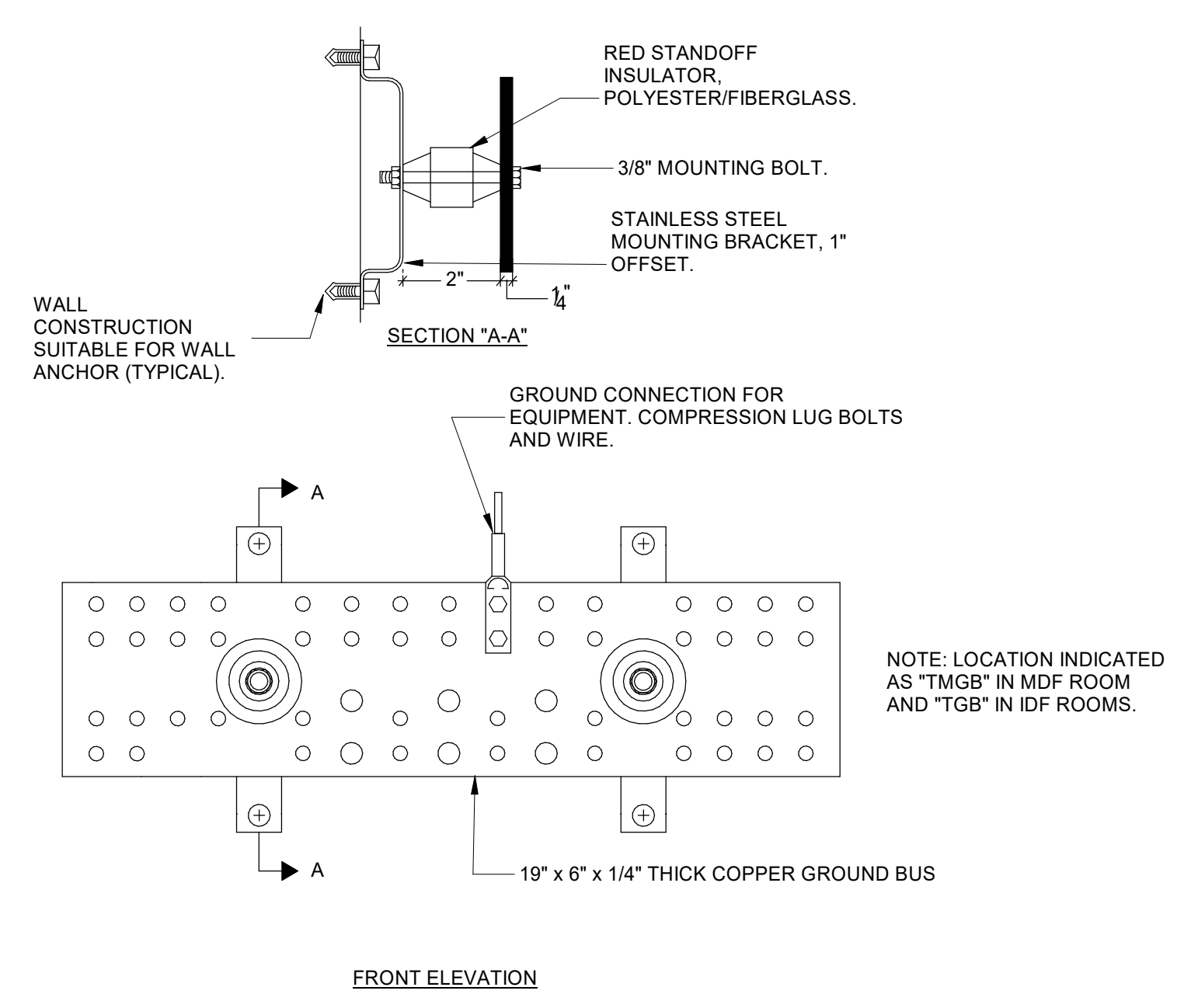
**7 SLEEVE THROUGH FIRE RATED FLOOR**  
E0.03 SCALE: NO SCALE



**5 GYPSUM WALLBOARD PENETRATION**  
E0.03 SCALE: NOT TO SCALE



**6 CONCRETE WALL PENETRATION**  
E0.03 SCALE: NOT TO SCALE



**9 TELECOMMUNICATIONS EQUIPMENT GROUND BUS**  
E0.03 SCALE: NOT TO SCALE

- NOTES: (BACKBOARD DETAIL)**
- RECEPTACLES AS SHOWN
  - GROUND BUS W/ No. 6 AWG (G) TO NEAREST DISTRIBUTION PANEL AND BUILDING STEEL. SEE GROUND BAR DETAIL
  - PROVIDE No. 6 AWG GROUND WIRE TO EACH PIECE OF EQUIPMENT MOUNTED ON BACKBOARD.

**8 BACKBOARD DETAIL**  
E0.03 SCALE: NOT TO SCALE



**HUSSEY GAY BELL**  
Established 1958  
3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096. T: 770.923.1600

REVISIONS:

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DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE:	12/06/2024	
JOB NO.	624 1109 01	

NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512

ELECTRICAL DETAILS

DRAWING NUMBER

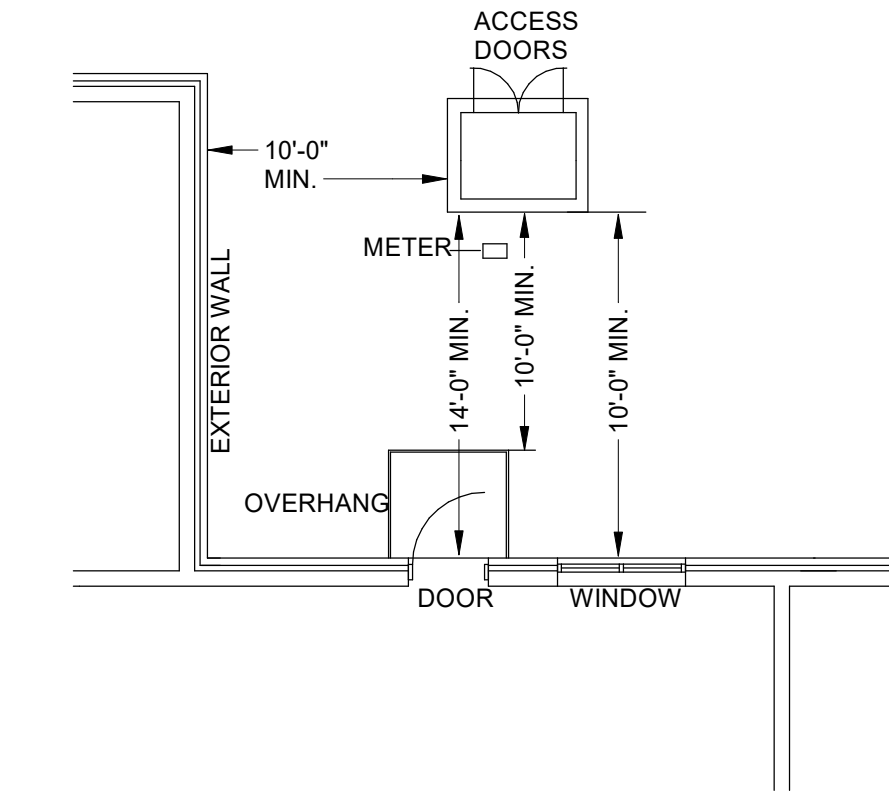
**E0.03**

REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE: 12/06/2024		
JOB NO. 624 1109 01		

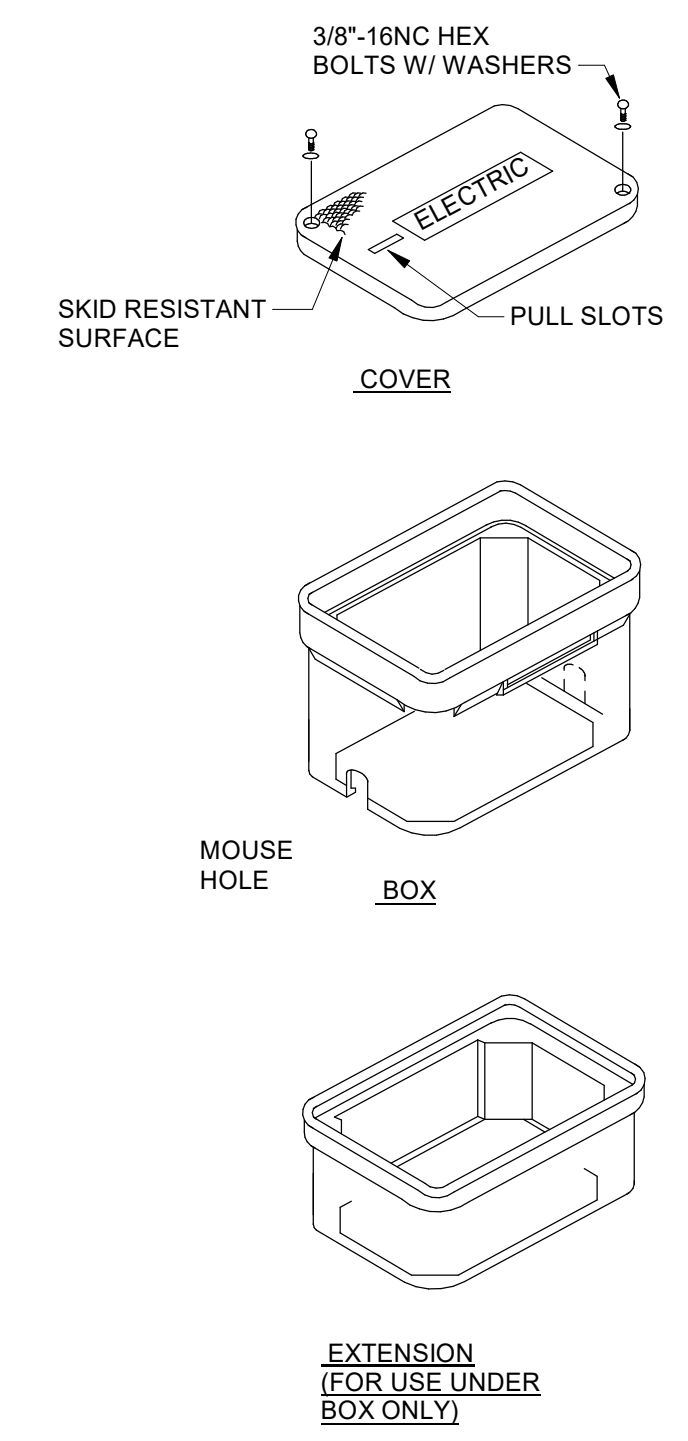
NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
ELECTRICAL SITE PLAN

DRAWING NUMBER  
**E0.04**



- NOTES:** (UTILITY PAD MOUNTED TRANSFORMER LOCATION)
- EDGE OF TRANSFORMER PAD SHALL BE LOCATED 10'-0" MINIMUM FROM BUILDING OVERHANGS, CANOPIES, EXTERIOR WALLS, BALCONIES, EXTERIOR STAIRS, AND/OR WALKWAYS CONNECTED TO THE BUILDING.
  - EDGE OF TRANSFORMER PAD SHALL BE LOCATED 14'-0" MINIMUM FROM ANY DOOR.
  - EDGE OF TRANSFORMER PAD SHALL BE LOCATED 10'-0" MINIMUM FROM ANY WINDOW OR OTHER OPENINGS.
  - IF BUILDING HAS AN OVERHANG AND IS 3 OR LESS FLOORS IN HEIGHT ABOVE THE GROUND, THE 10'-0" CLEARANCE IS MEASURED FROM A POINT BELOW THE EDGE OF THE OVERHANG. IF THE BUILDING IS 4 STORES OR MORE, THE 10 FOOT CLEARANCE SHALL BE MEASURED FROM THE OUTSIDE BUILDING WALL.
  - FIRE ESCAPES, OUTSIDE STAIRS AND WALKWAYS ATTACHED TO OR BETWEEN BUILDINGS SHALL BE CONSIDERED PART OF THE BUILDING.
  - SECONDARY OF THE TRANSFORMER SHALL FACE THE BUILDING (SWITCHGEAR).
  - CURRENT TRANSFORMER (CT) TO BE PROVIDED BY LOCAL POWER COMPANY AND INSTALLED BY CONTRACTOR.
  - PROVIDE ONE 1-1/4" RIGID GALVANIZED STEEL CONDUIT FROM CT TO ELECTRIC METER, METER AND PEDISTAL TO BE SUPPLIED BY UTILITY COMPANY AND INSTALLED BY CONTRACTOR. PEDISTAL SHALL BE BURIED MINIMUM 2'-0" DEEP, SET IN CONCRETE.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND ARRANGEMENT WITH SERVING UTILITY COMPANY FOR SERVICE CONNECTION (INCLUDING PAYMENT OF ALL COSTS ASSOCIATED WITH THE SERVICE).

**2 UTILITY PAD MOUNTED TRANSFORMER LOCATION**  
SCALE: NOT TO SCALE

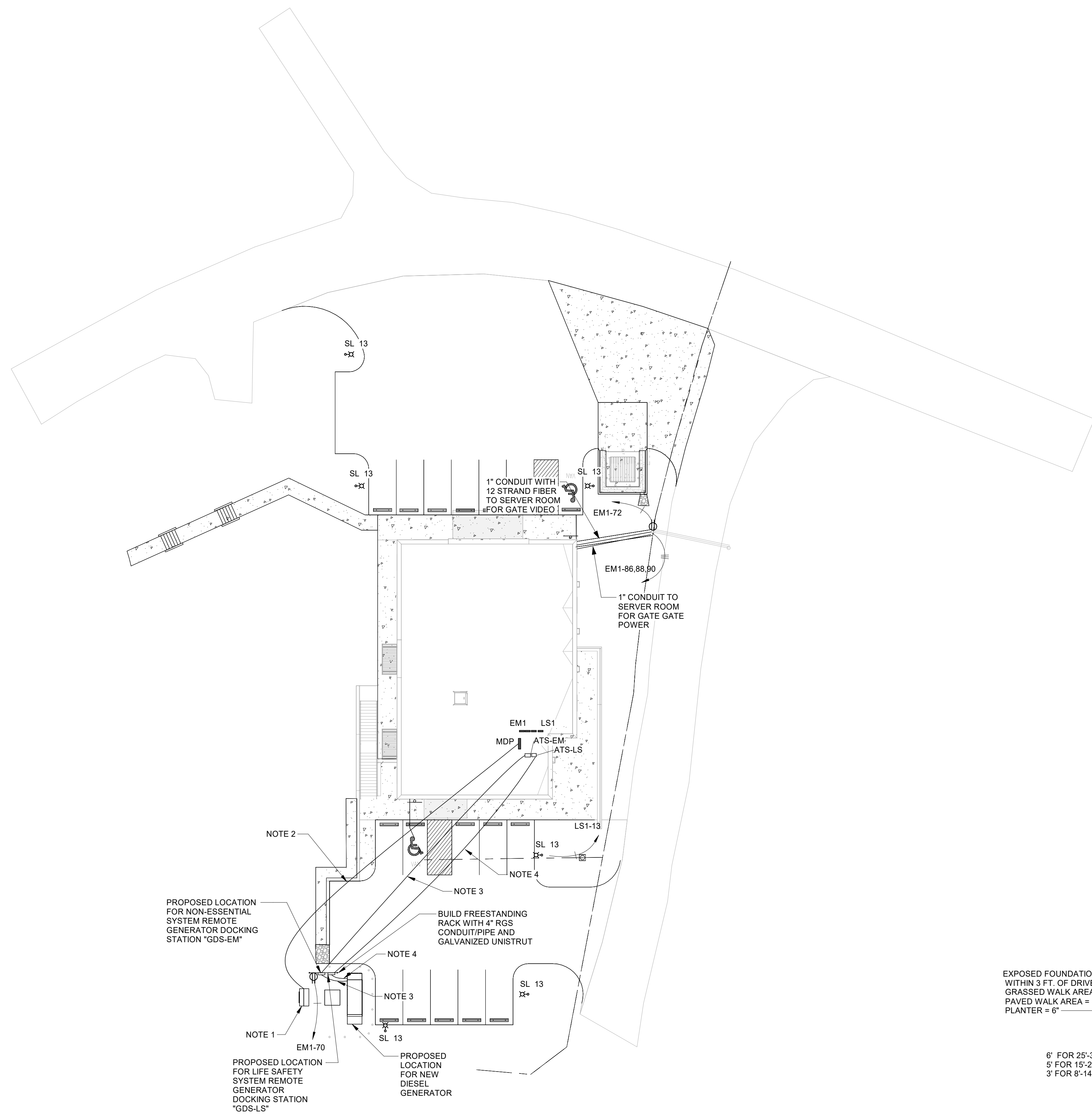


- NOTES:** (PULL BOX DETAIL)
- GROUND COVER ON CONDUITS MAY BE REDUCED AT POINTS OF CONNECTIONS TO BOXES.
  - SIZE OF BOXES SHALL CONFORM TO NFPA 70, BASED ON CONDUITS ENTERING AND LEAVING BOXES. DEPTH OF BOX AND EXTENSION SHALL BE 30" NOMINAL.
  - PROVIDE SEPARATE BOXES FOR MEDIUM VOLTAGE AND LOW VOLTAGE SYSTEMS.
  - NO ENTRIES WILL BE ALLOWED THROUGH WALL OF EXTENSION. ALL ENTRIES MUST BE MADE THROUGH MOUSEHOLES OR ELBOWED FROM UNDERNEATH. ALL TERMINATIONS SHALL HAVE SOME TYPE OF BUSHING.
  - SET BOXES FLUSH WITH FINISHED GRADE. LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.
  - SPECIFICATIONS:**  
COMPRESSIVE STRENGTH: 11,000 PSI MINIMUM.  
ENCLOSURE RATING: 15,000 LBS. OVER 10"x10" AREA.  
COVER: HEAVY DUTY LOCKING TYPE WITH LOGO INDICATED.  
COLOR: GRAY.  
CONSTRUCTION: POLYMER CONCRETE WITH HEAVY-WEAVE FIBERGLASS REINFORCEMENT.

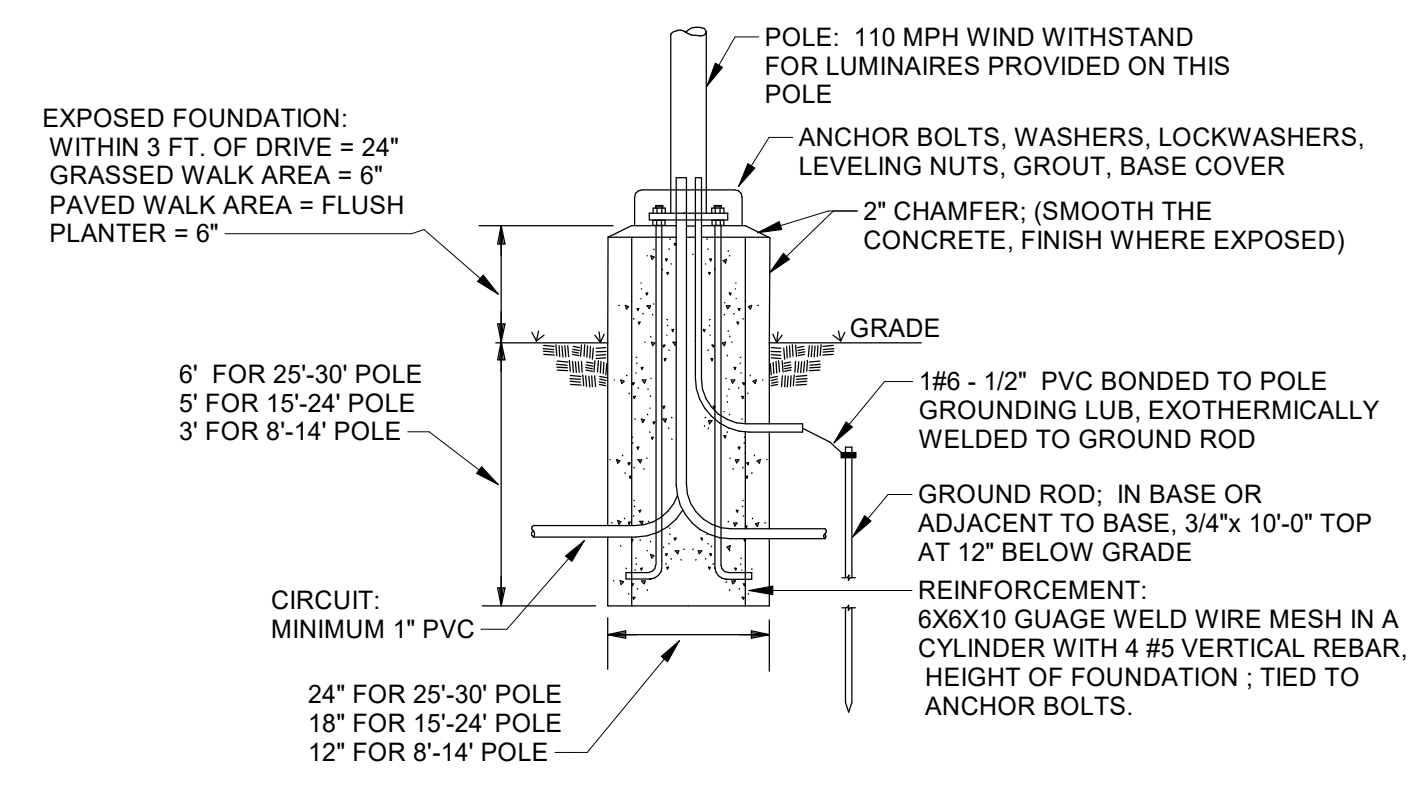
**3 PULL BOX DETAIL**  
SCALE: NOT TO SCALE

- GENERAL NOTES:**
- SURVEY AND SITE INFORMATION PROVIDED BY OTHERS. VERIFY ALL CONDITIONS ON SITE AND WITH OFFICIAL SURVEYS AND OTHER TRADES.
  - CONTACT UNDERGROUND UTILITY CENTER AND VERIFY ALL UNDERGROUND UTILITIES.
  - UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC. PROVIDE GRS ELBOWS PAINTED WITH BITUMINOUS PAINT TO TRANSITION TO ABOVE GRADE OR SLAB.
  - CONTRACTORS SHALL STAKE-OFF ALL EXISTING UTILITIES PRIOR TO ROUGH-IN. ALL NEW INSTALLATION SHALL BE COORDINATED WITH EXISTING UTILITY LOCATIONS.
  - CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UTILITIES FOR THIS PROJECT.
  - MINIMUM SIZE OF ALL CONDUITS ON THIS SHEET SHALL BE 3/4 IN.
  - PROVIDE PULL BOXES AS REQUIRED BY NEC FOR UNDERGROUND FEEDERS SHOWN, SEE PULL BOX DETAIL.

- NOTES:**
- PROPOSED LOCATION OF NEW PAD MOUNTED UTILITY TRANSFORMER AND METER. TRANSFORMER FURNISHED AND INSTALLED BY UTILITY COMPANY. REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION. SEE ARCHITECTURAL PLAN AND REFER TO UTILITY PAD MOUNTED TRANSFORMER LOCATION DETAIL 2/E0.04. COORDINATE WITH ELECTRIC POWER UTILITY FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BID.
  - PROVIDE CONDUIT BELOW GRADE FROM NEW UTILITY TRANSFORMER TO PANEL 'MDP'. CONDUITS SHALL BE GALVANIZED RIGID STEEL UNDER PARKING AND DRIVE AREAS. REFER TO RISER DIAGRAM FOR SERVICE CONDUCTOR QUANTITY AND SIZING.
  - PROVIDE CONDUIT BELOW GRADE FROM NEW GENERATOR TO NEW GENERATOR DOCKING STATION 'GDS-EM' AND FROM 'GDS-EM' TO NEW AUTOMATIC TRANSFER SWITCH 'ATS-EM'. CONDUITS SHALL BE GALVANIZED RIGID STEEL UNDER PARKING AND DRIVE AREAS. REFER TO RISER DIAGRAM FOR CONDUCTOR QUANTITY AND SIZING.
  - PROVIDE CONDUIT BELOW GRADE FROM NEW GENERATOR TO NEW GENERATOR DOCKING STATION 'GDS-LS' AND FROM 'GDS-LS' TO NEW AUTOMATIC TRANSFER SWITCH 'ATS-LS'. CONDUITS SHALL BE GALVANIZED RIGID STEEL UNDER PARKING AND DRIVE AREAS. REFER TO RISER DIAGRAM FOR CONDUCTOR QUANTITY AND SIZING.

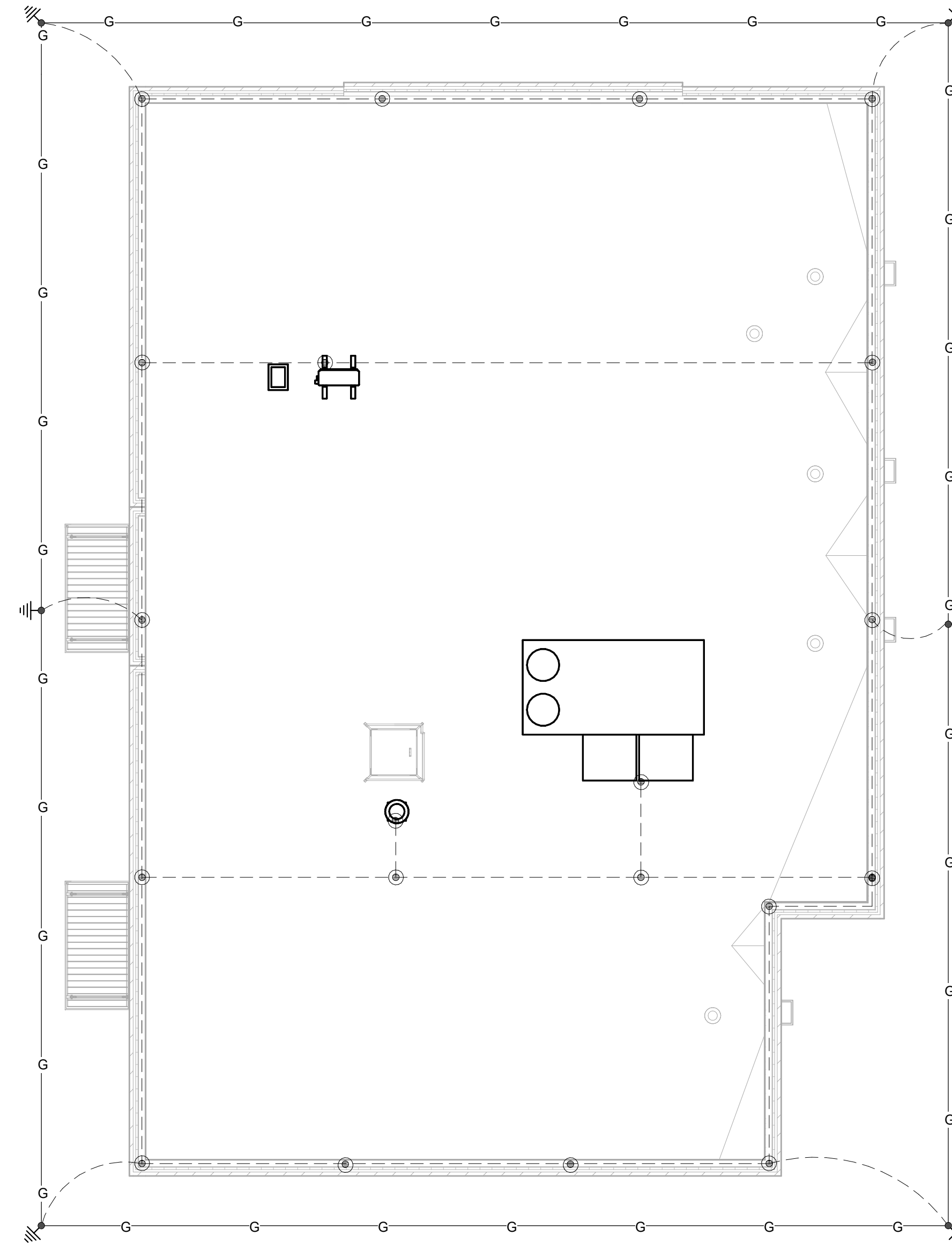


**1 SITE PLAN - ELECTRICAL**  
SCALE: 1" = 20'-0"

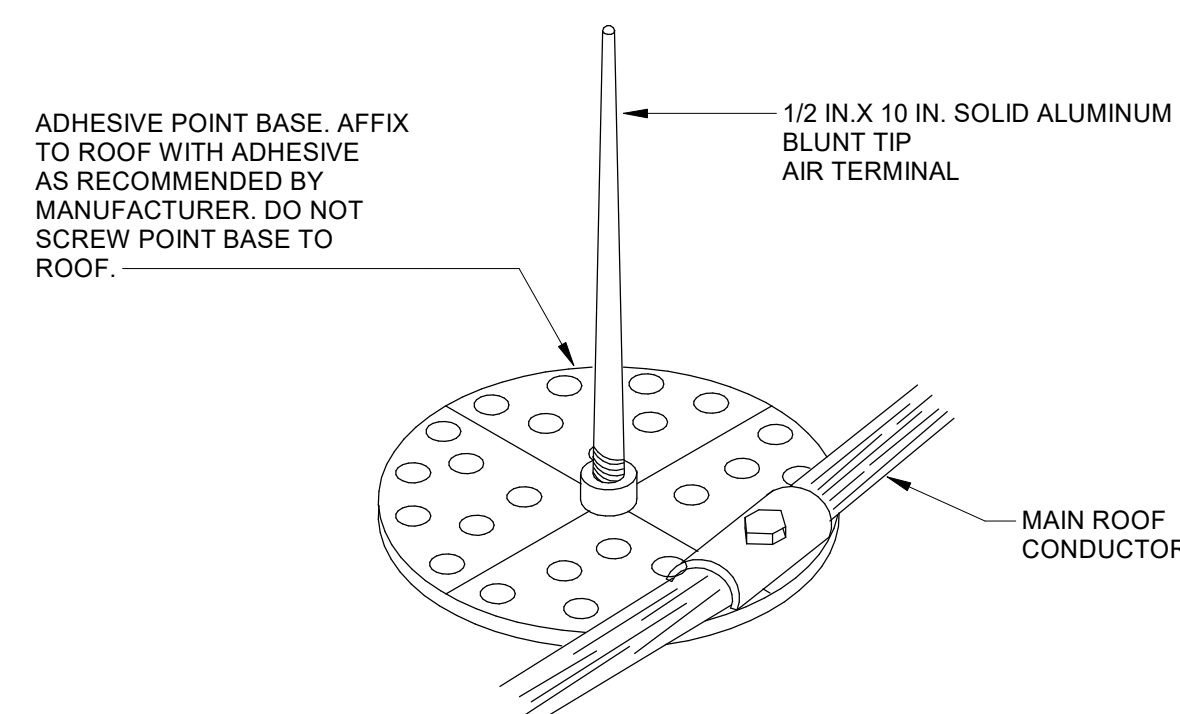


**4 POLE BASE DETAIL**  
SCALE: NOT TO SCALE

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**1 LIGHTNING PROTECTION PLAN - ROOF**  
 E0.05 SCALE: 1/8" = 1'-0"



**2 LIGHTNING POINT ATTACHMENT DETAIL**  
 E0.05 SCALE: NOT TO SCALE

**GENERAL NOTES:**

- LOCATE AIR TERMINALS AS SHOWN OR AS REQUIRED TO ACHIEVE U.L. MASTER LABEL. PROVIDE ADDITIONAL ELECTRODES AND DOWN CONDUCTORS AS REQUIRED ALSO TO MEET NFPA 78 AND UL96A. TAKE CARE TO ENSURE THAT ALL POINTS ARE WITHIN 2'-0" OF OUTSIDE BUILDING EDGE, OUTSIDE CORNERS AND RIDGE ENDS, AND THAT MAXIMUM SPACING DOES NOT EXCEED 20'-0" AND THAT MINIMUM PROJECTION ABOVE OBJECT PROTECTED IS 10" (POINTS PROJECTING 24" MAY BE SPACED @ 25'-0" MAX.
- MAINTAIN HORIZONTAL OR DOWNWARD COURSE OF MAIN CONDUCTOR AND INSURE THAT ALL BENDS HAVE AT LEAST AN 8 IN. RADIUS AND DO NOT EXCEED 90 DEGREES.
- ATTACH ALL EXPOSED ROOF, DOWN LEAD AND BONDING CABLES AT 3'-0" ON CENTER MAXIMUM. VERIFY COMPATIBILITY OF ADHESIVE ON METAL ROOF APPLICATIONS PRIOR TO INSTALLATION.
- GROUND ELECTRODES SHALL BE INSTALLED AS SHOWN BUT IN NO INSTANCE SHALL THEY BE LESS THAN 1'-0" BELOW GRADE AND 2'-0" FROM FOUNDATION WALL DRIVEN RODS SHALL PENETRATE EARTH AT EAST 10'-0".
- BOND TO WATER SERVICE AND OTHER PIPING SYSTEMS AS SHOWN AND AS REQUIRED BY CODES.
- INTERCONNECT LIGHTNING PROTECTION GROUND TO ELECTRIC, TELEPHONE, AND OTHER BUILDING GROUND SYSTEMS AS SHOWN OR AS REQUIRED BY CODE.
- SYSTEM SHALL BE INSTALLED AS SHOWN TO ENSURE PROPER CODE COMPLIANCE AND SYSTEM CERTIFICATION. ANY MAJOR VARIANCE SHALL ENTAIL RESUBMITTAL AND NEW APPROVAL.
- "AS-BUILT" DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH CERTIFICATION PROCEDURES.
- ALL MATERIAL TO BE UNDERWRITER'S LABORATORIES APPROVED WITH LABELS ON CONDUCTORS @ 10'-0" INTERVALS AND LABELS ON ALL AIR TERMINALS.
- COMPLETED INSTALLATION AS SHOWN SHALL BEAR U.L. MASTER LABEL TO BE SECURED BY SYSTEM INSTALLER PER UL96A.
- ALL MATERIALS SHOWN AND INTENDED FOR USE ARE TO BE AS MANUFACTURED BY THOMPSON LIGHTNING PROTECTION INC., 901 SIBLEY HWY., ST. PAUL, MN 55118, APPROVED EQUALS ARE INDEPENDENT PROTECTION CO. AND ROBBINS LIGHTNING PROTECTION CO.
- INSTALLATION SHALL COMPLY IN ALL RESPECTS TO L.P.I. CODE 175. INSTALLATION SHALL BE MADE BY OR UNDER THE SUPERVISION OF AN L.P.I. CERTIFIED MASTER INSTALLER. COMPLETED INSTALLATION TO RECEIVE SYSTEM CERTIFICATION INCLUDING SUBMITTAL OF FORM L.P.I.-1-R91.

**LEGEND:**

	CLASS II MAIN CONDUCTOR ON ROOF
	CONNECTION TO GROUND ROD (UNDERGROUND)
	LIGHTNING POINT
	GROUND RODS
	CLASS II MAIN CONDUCTOR BELOW GRADE

"CRITICAL COORDINATION NOTE"  
 ROOFER/IGC MUST ADVISE ROOFING TYPE TO LIGHTNING PROTECTION SYSTEM INSTALLER FOR PROPER ADHESIVE SELECTION. NO LIGHTNING PROTECTION WORK WITHOUT THIS INFO.

INSTALLATION IS BASED UPON ALL ROOF-MOUNTED LIGHTNING PROTECTION EQUIPMENT BEING ADHERED DIRECTLY TO ROOF SURFACE. ANY VARIANCE OR SPECIAL PROVISIONS BY ROOFING CONTRACTOR, DO NOT PENETRATE ROOF. NO EXCEPTIONS.



**HUSSEY GAY BELL**  
 — Established 1958 —  
 3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096, T: 770.923.1600

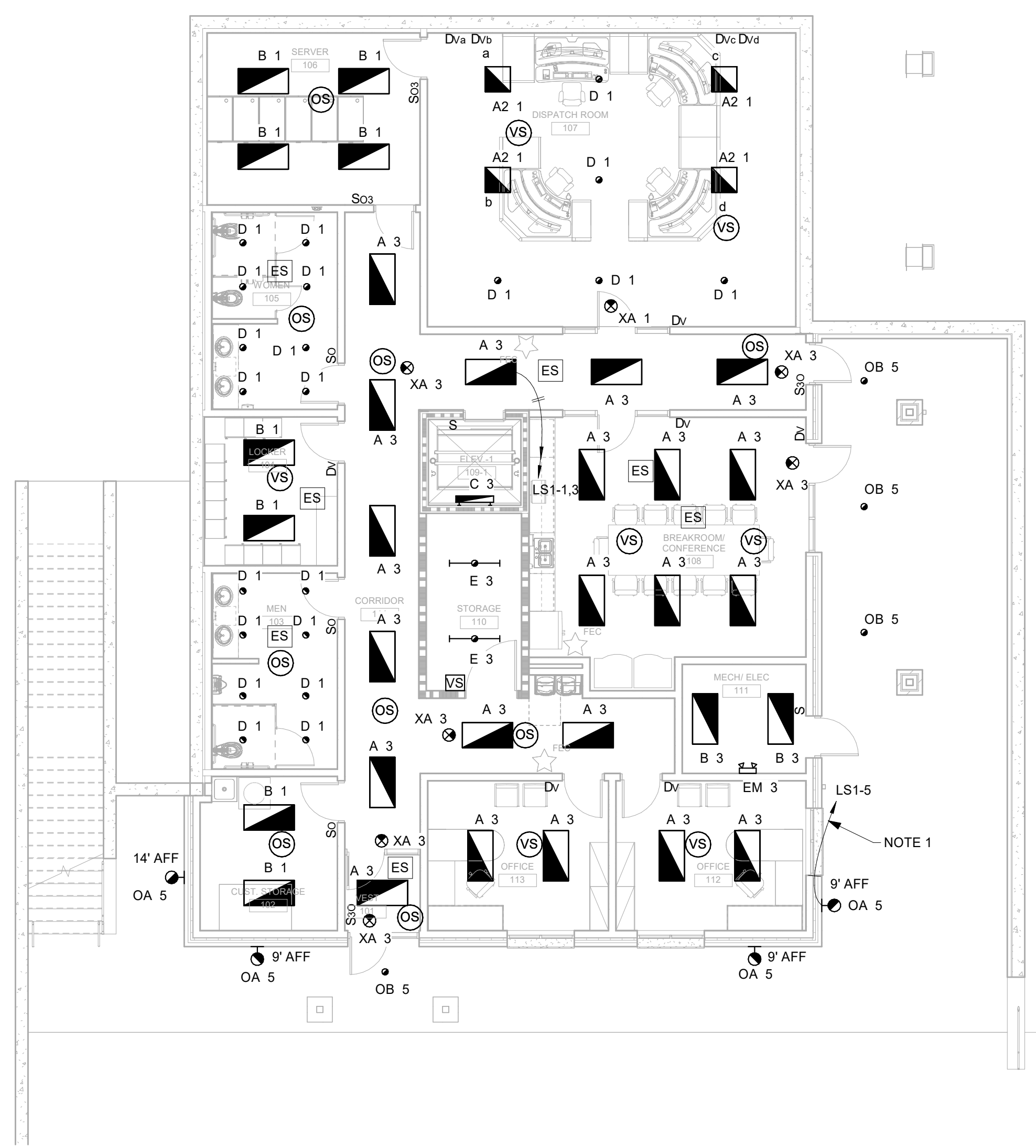
REVISIONS:

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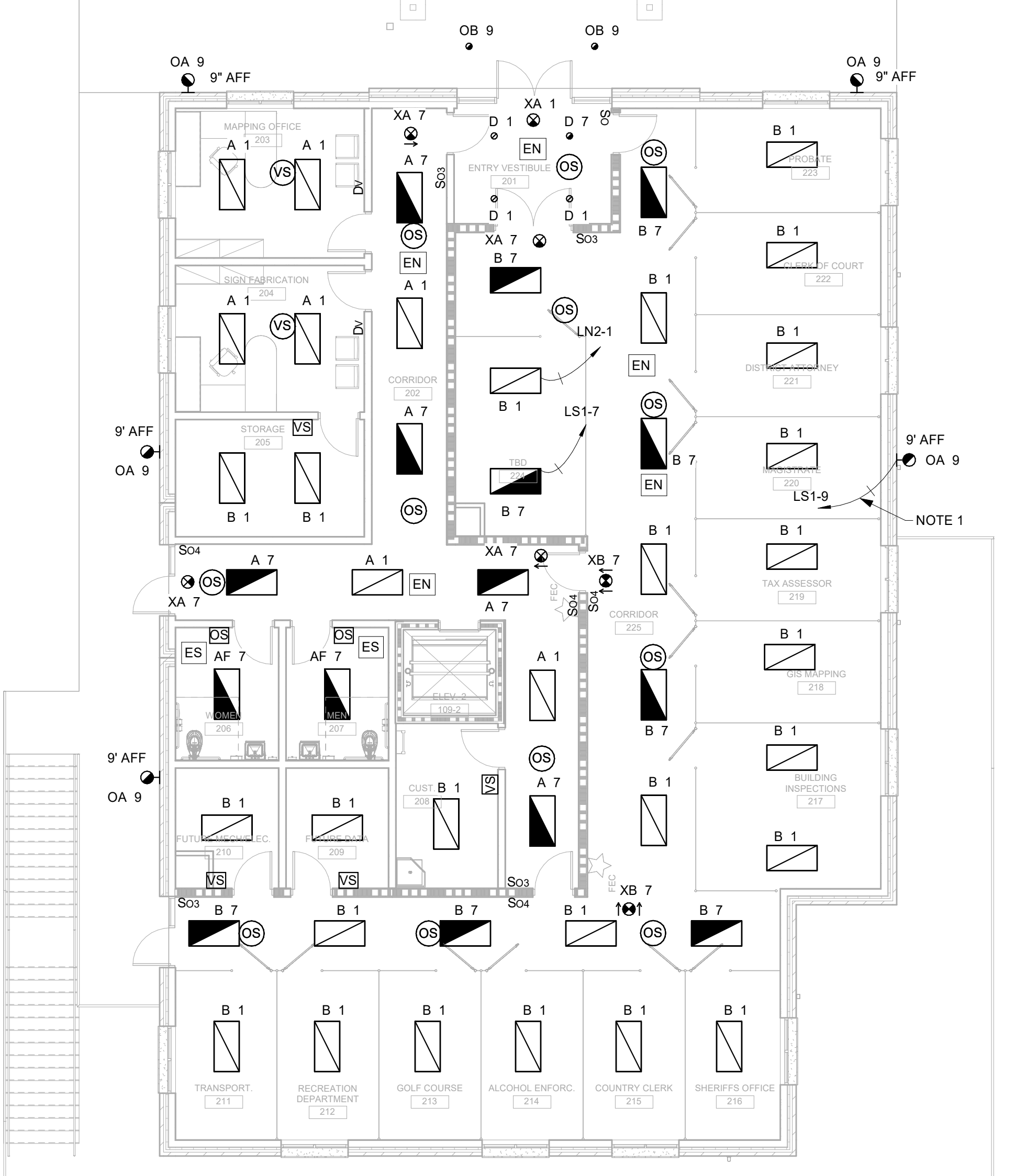
DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE: 12/06/2024		
JOB NO. 624 1109 01		

**NEW 911 CENTER FOR UNION COUNTY**  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**LIGHTNING PROTECTION PLAN**

DRAWING NUMBER  
**E0.05**



**1 LIGHTING PLAN - LEVEL 1**  
 E1.01 SCALE: 1/8" = 1'-0"



**2 LIGHTING PLAN - LEVEL 2**  
 E1.01 SCALE: 1/8" = 1'-0"

**NOTES:**  
 1. PROVIDE #10 ENTIRE CIRCUIT. ROUTE CIRCUIT TO EXTERIOR LIGHTING CONTACTOR. CONTACTOR TO BE CONTROLLED BY PHOTOCELL AND TIMELOCK. SEE NOTES 1 AND 2 ON E3.01 FOR MORE INFORMATION.

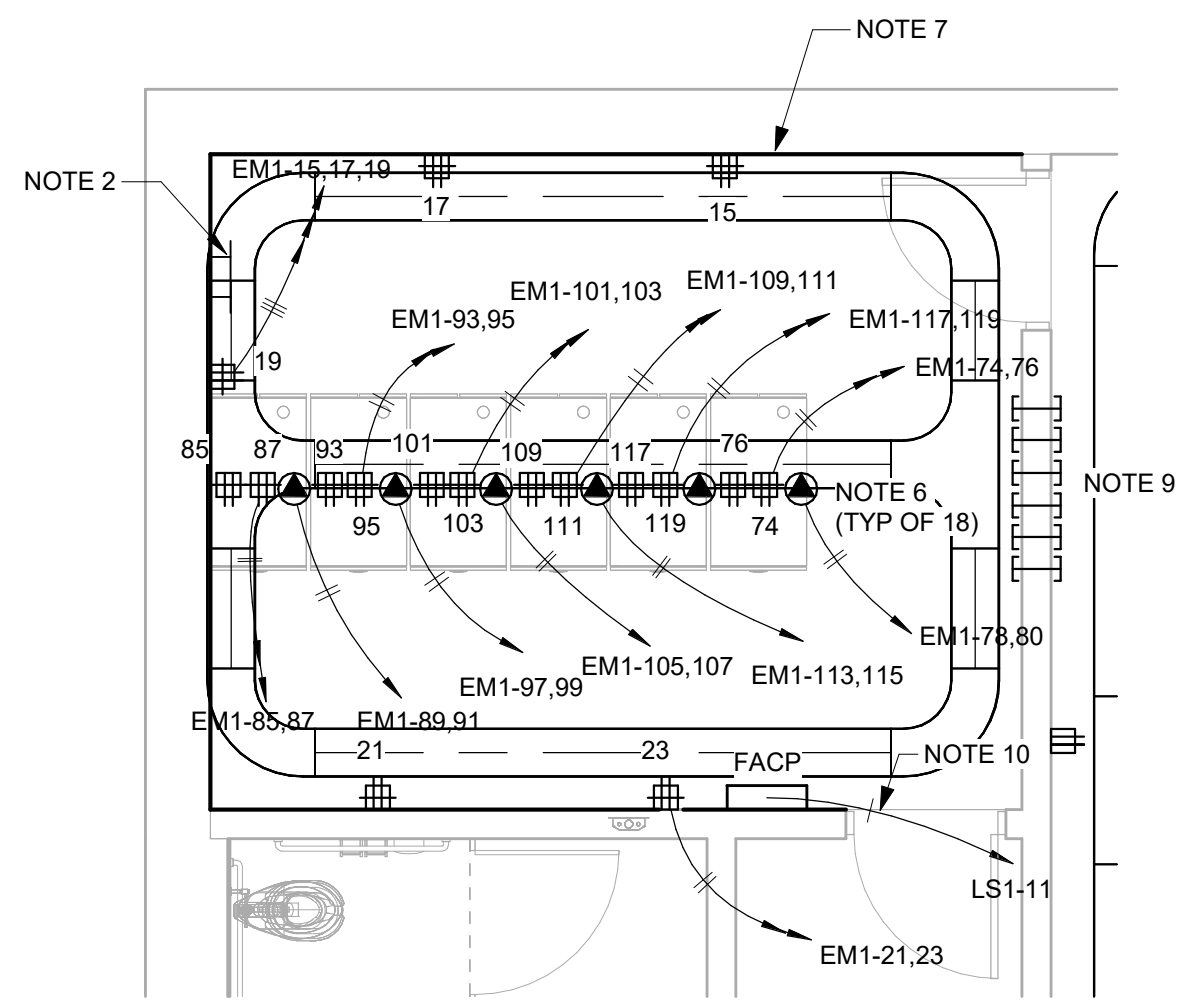
**GENERAL NOTES:**  
 A. COORDINATE EXACT LOCATIONS AND MOUNTINGS (FLANGE/LAY-IN) WITH ARCHITECTURAL CEILING PLAN AND SCHEDULES PRIOR TO ORDERING AND INSTALLING ANY FIXTURE.  
 B. EXIT LIGHT AND NIGHT LIGHT CIRCUITS ARE TO REMAIN UNSWITCHED.  
 C. PROVIDE UNSWITCHED PHASE CONDUCTOR TO EACH EMERGENCY FIXTURE FOR BATTERY CHARGING AND POWER LOSS SENSING.  
 D. SEE LARGE SCALE PLANS FOR CIRCUITRY WITHIN TYPICAL SPACES.  
 E. ALL SPACES ARE TO BE CONTROLLED BY OCCUPANCY OR VACANCY SENSOR UNLESS SPECIFICALLY NOTED OTHERWISE. SEE DETAILS AND NOTES ON SHEET E0.02 FOR ADDITIONAL REQUIREMENTS.

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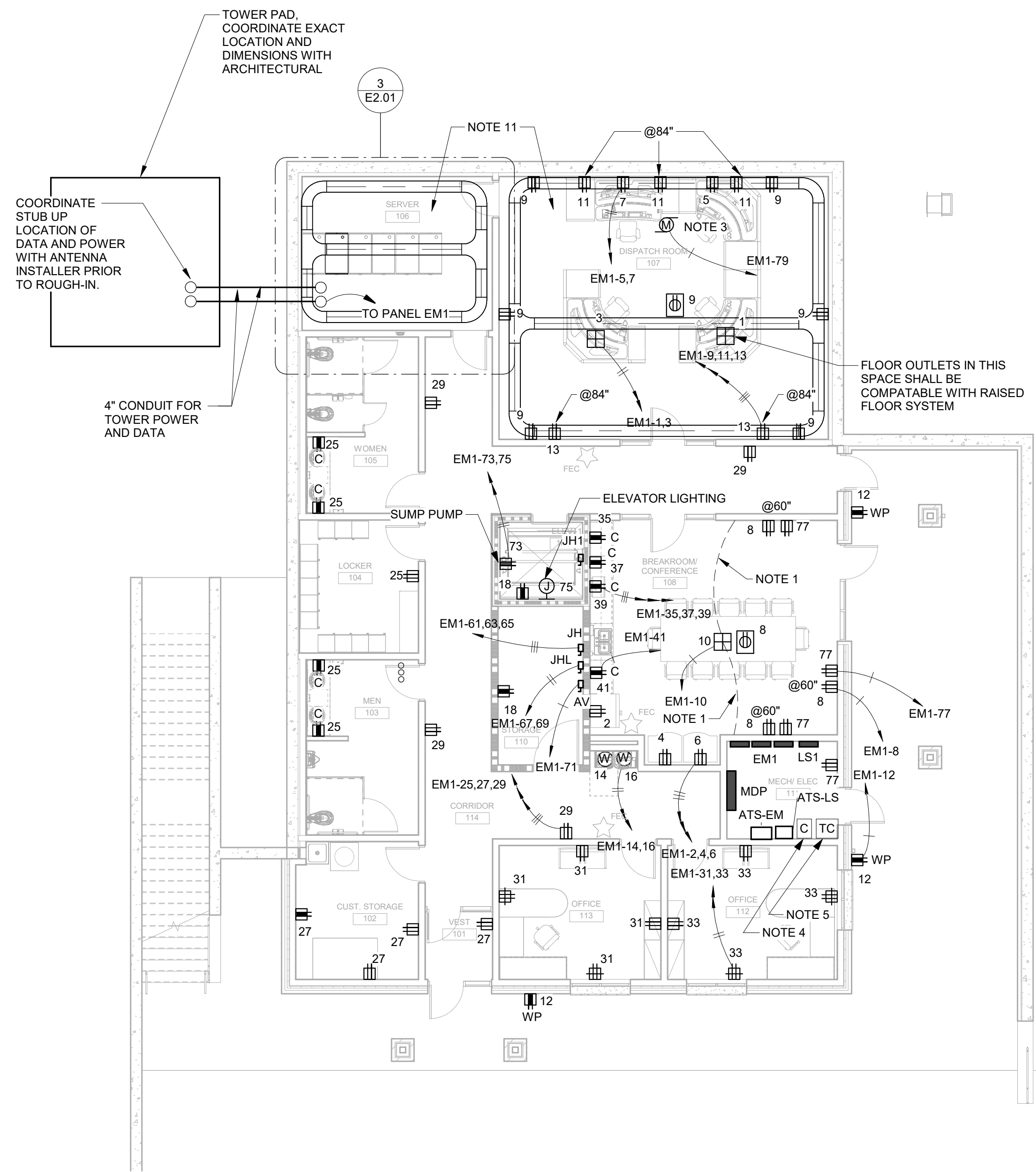

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NEW 911 CENTER FOR UNION COUNTY  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
 FLOOR PLAN - LIGHTING

DRAWING NUMBER  
**E1.01**



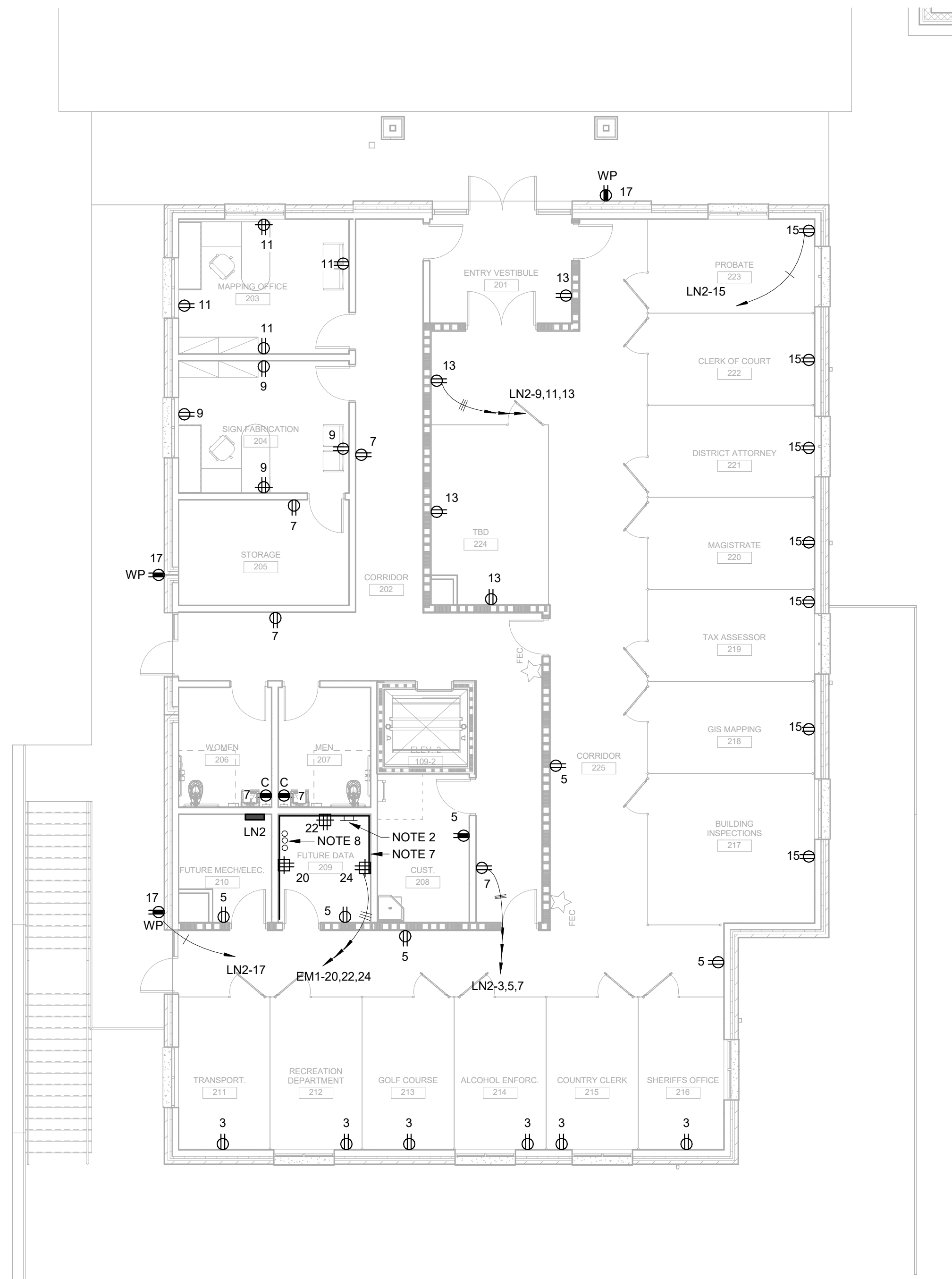
**3 LARGE SCALE POWER - DATA ROOM**  
E2.01 SCALE: 1/4" = 1'-0"



**1 POWER PLAN - LEVEL 1**  
E2.01 SCALE: 1/8" = 1'-0"

**GENERAL NOTES:**

- A. THE WORK SHALL COMPLY WITH THE 2020 NATIONAL ELECTRIC CODE (N.E.C.).
- B. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS FOR EXACT LOCATIONS OF EQUIPMENT.
- C. ALL NEW WIRING AND CONDUIT IS TO BE RUN CONCEALED IN WALLS, CONCEALED ABOVE CEILING, AND/OR CONCEALED BELOW THE FLOOR. ANY FINISH THAT IS CUT OR DEMOLISHED IS TO BE PATCHED AND/OR PAINTED TO MATCH ADJACENT FINISH.
- D. WALL JUNCTION BOXES AND CONDUIT FOR THERMOSTATS AND SENSORS SHALL BE PROVIDED -VERIFY EXACT LOCATION WITH MECHANICAL PRIOR TO ROUGH-IN.
- E. PROVIDE SUPPORT CHANNEL FRAME FOR MOUNTING DISCONNECTS WHEN WALL MOUNTING IS NOT AVAILABLE. AVOID MOUNTING DIRECTLY ON EQUIPMENT HOUSINGS.
- G. DISTANCE LIMITATIONS FOR ALL 120 VOLT, 20A BRANCH CIRCUITS:
  - a. CIRCUIT LENGTHS EXCEEDING 70 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
  - b. CIRCUIT LENGTHS EXCEEDING 115 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
  - c. CIRCUIT LENGTHS EXCEEDING 180 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
  - d. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.
- H. MARK ANY UNUSED CIRCUIT BREAKERS AS SPARES. PROVIDE PANELBOARD DIRECTORIES PER PROJECT SPECIFICATIONS.
- I. ALL RECEPTACLES AND DEVICES SHALL BE INSTALLED FLUSH IN WALL UNLESS NOTED OTHERWISE.



**2 POWER PLAN - LEVEL 2**  
E2.01 SCALE: 1/8" = 1'-0"

**NOTES:**

- 1. IN ADDITION TO POWER CIRCUIT SHOWN, EXTEND 1-1/4" C. W/ PULL STRING FROM FLOOR BOX, UP WALL AND INTO ACCESSIBLE CEILING FOR FUTURE NETWORK CABLES.
- 2. TELECOMMUNICATIONS EQUIPMENT GROUND BUS. SEE DETAIL 9/E0.03.
- 3. MOTOR FOR MOTORIZED PROJECTOR SCREEN. COORDINATE EXACT LOCATION WITH ARCHITECTURAL/OWNER.
- 4. 8 POLE ELECTRICALLY HELD LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE COIL OF CONTACTOR TO BE CONTROLLED BY ADJACENT TIMECLOCK.
- 5. PROVIDE A 4 CIRCUIT DIGITAL ASTRONOMICAL TIMECLOCK WITH BATTERY BACKUP. INTERLOCK TIMECLOCK WITH AN EXTERIOR MOUNTED PHOTOCELL FACING NORTH CLEAR OF MAN-MADE LIGHT SOURCES.
- 6. MOUNT OUTLETS IN DATA RACK. CONDUIT SHALL COME UP THROUGH THE RAISED FLOOR.
- 7. PROVIDE PLYWOOD BACKBOARD. SEE 8/E0.03.
- 8. PROVIDE (3) 4" CONDUIT SLEEVES THROUGH FLOOR TO ABOVE ACCESSIBLE CEILING ON LEVEL 1 FOR LOW VOLTAGE CABLING BETWEEN FLOORS. SEE DETAIL 7/E0.03.
- 9. PROVIDE (6) - 4" CONDUIT SLEEVES FOR PASSING CABLES BETWEEN SERVER ROOM AND DISPATCH ROOM.
- 10. LABEL BREAKER WITH RED NAMEPLATE "FIRE ALARM CONTROL PANEL". LABEL FIRE ALARM CONTROL PANEL WITH CIRCUIT NUMBER SERVING IT. PROVIDE BREAKER LOCK FOR CIRCUIT BREAKER.
- 11. SERVER ROOM 106 AND DISPATCH ROOM 107 WILL HAVE COMPUTER ROOM RAISED ACCESS. FLOORS. THE METAL COMPONENTS OF THE FLOOR STRUCTURE (PEDESTALS AND STRINGERS) SHALL BE CONNECTED TO THE BUILDING'S GROUNDING ELECTRODE SYSTEM BY BONDING TO THE TELECOMMUNICATIONS EQUIPMENT GROUND BUS IN SERVER ROOM 106 WITH #4 AWG COPPER CONDUCTOR. THE ENTIRE FLOOR SYSTEM SHALL BE BONDED IN A GRID PATTERN AND PER THE MANUFACTURER'S REQUIREMENTS.

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**NEW 911 CENTER FOR UNION COUNTY**  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**FLOOR PLAN - POWER**

DRAWING NUMBER

**E2.01**





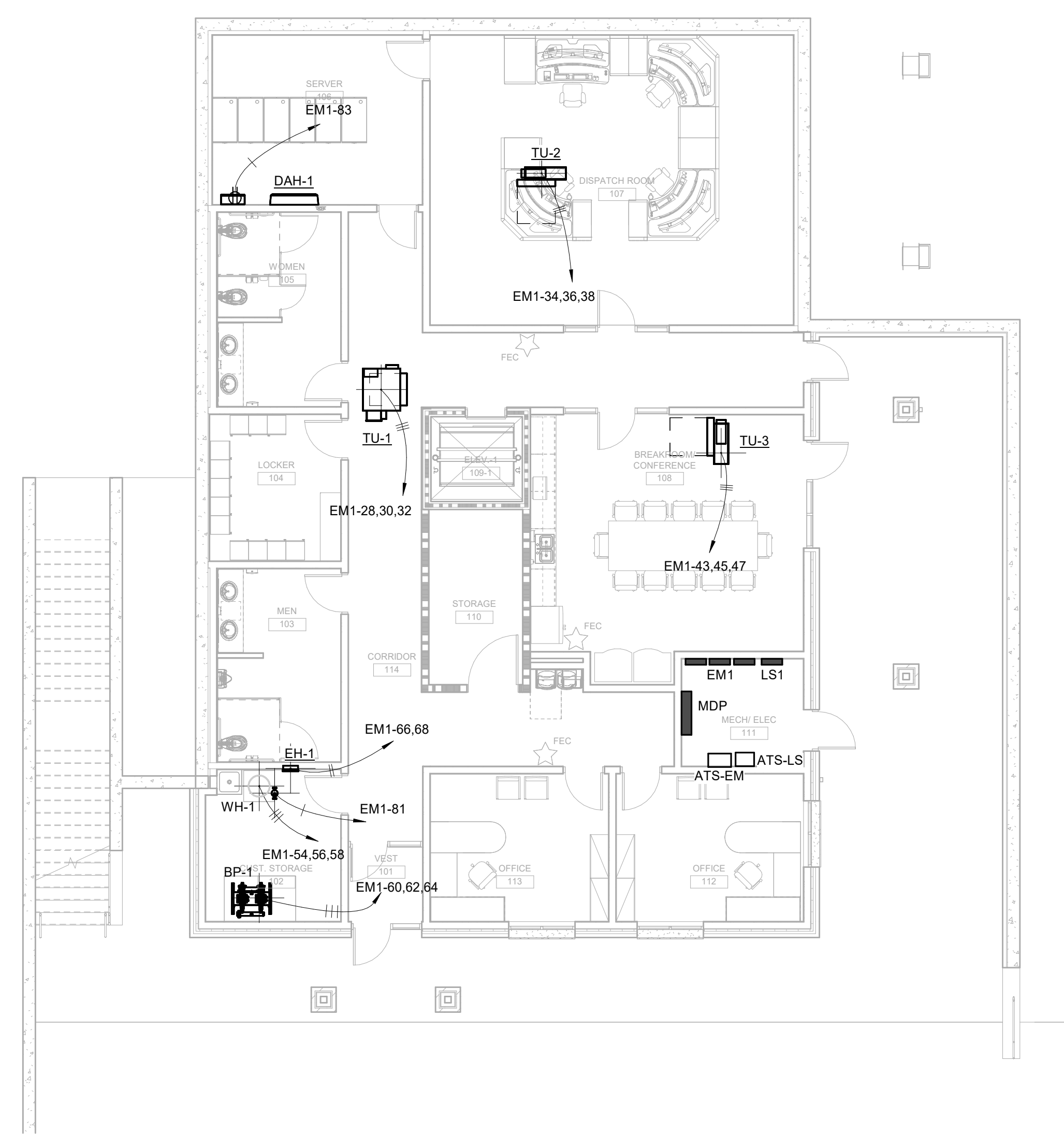
**HUSSEY GAY BELL**  
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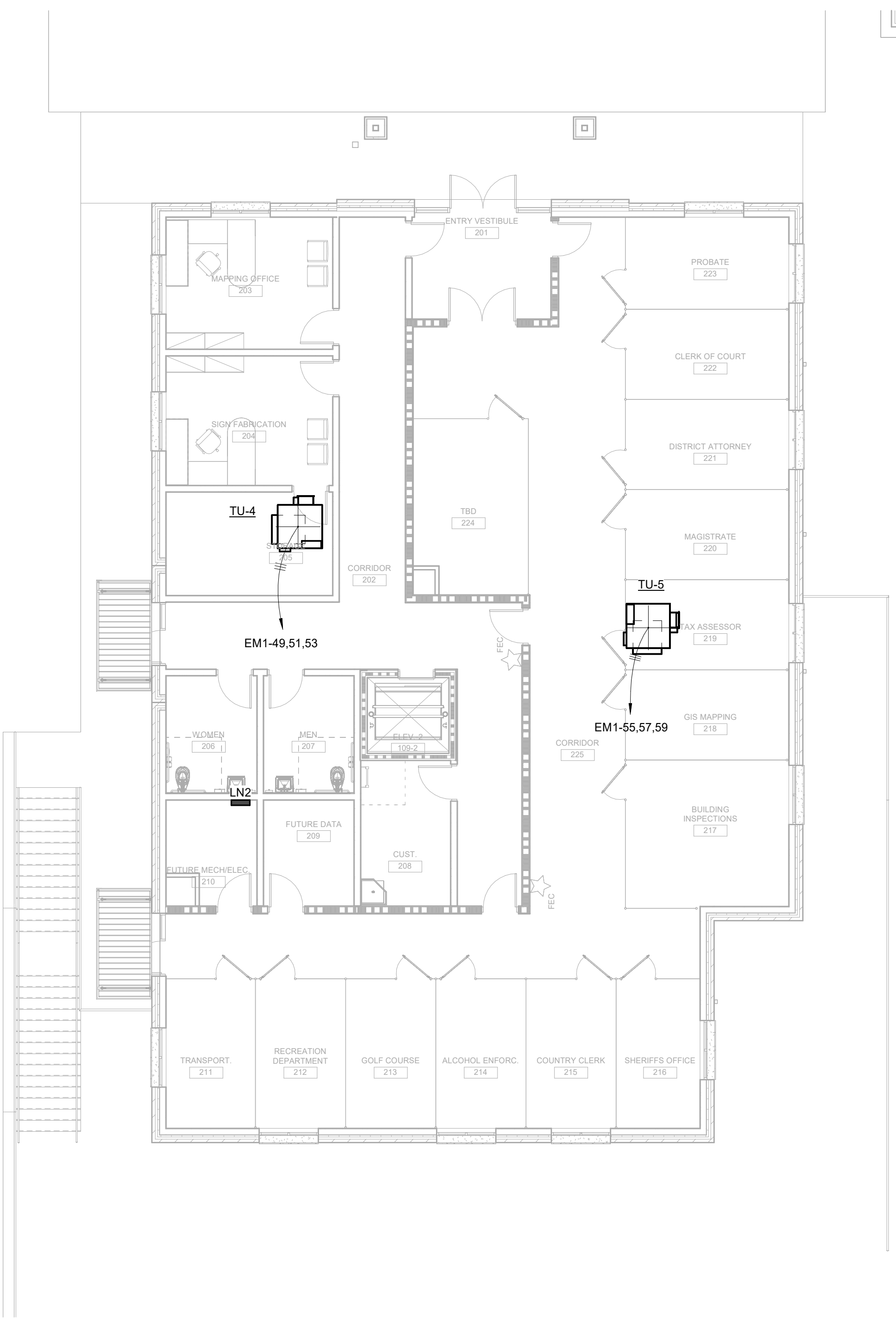

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**FLOOR PLAN - MECHANICAL POWER**

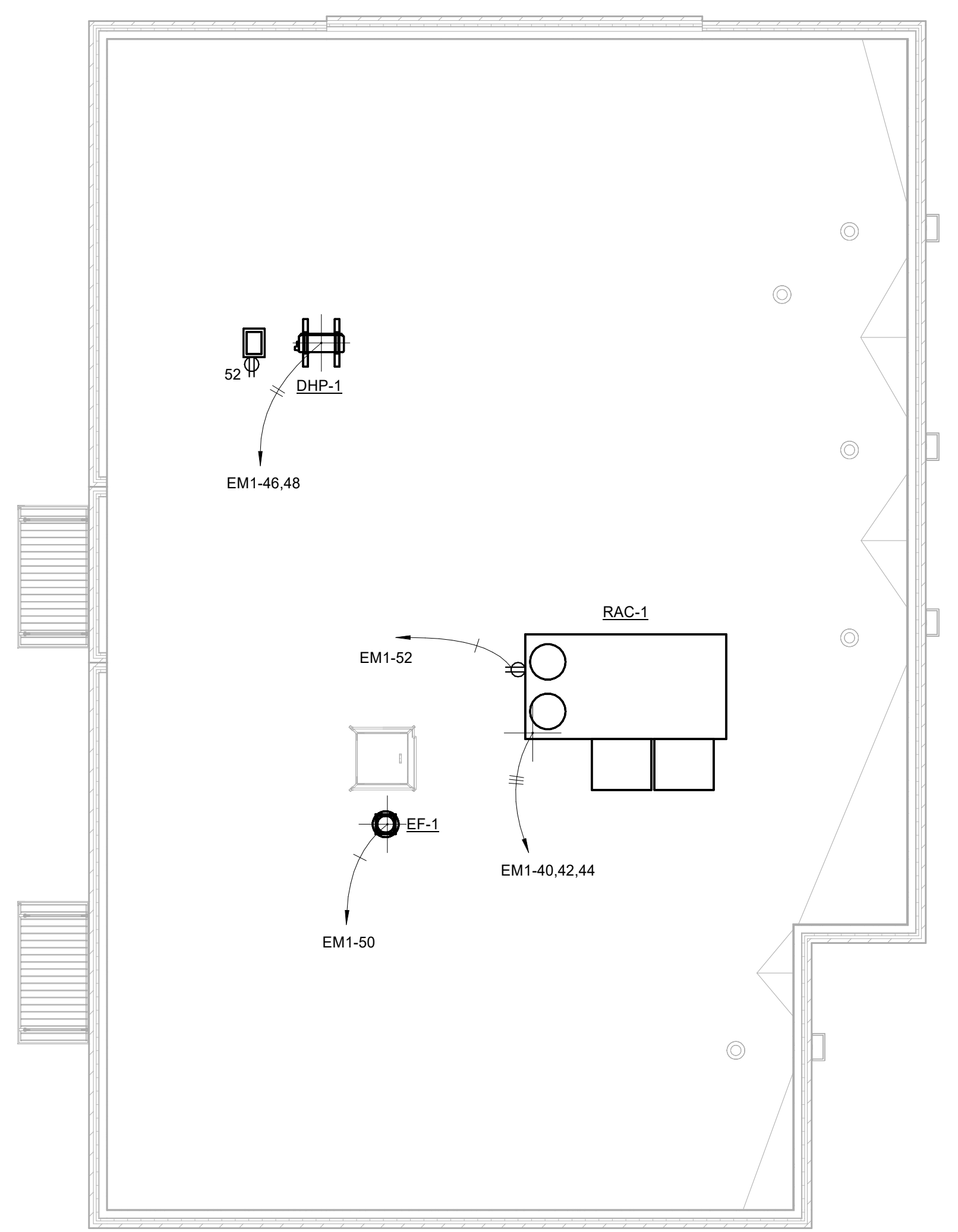
DRAWING NUMBER  
**E3.01**



**1 MECHANICAL POWER PLAN - LEVEL 1**  
 E3.01 SCALE: 1/8" = 1'-0"

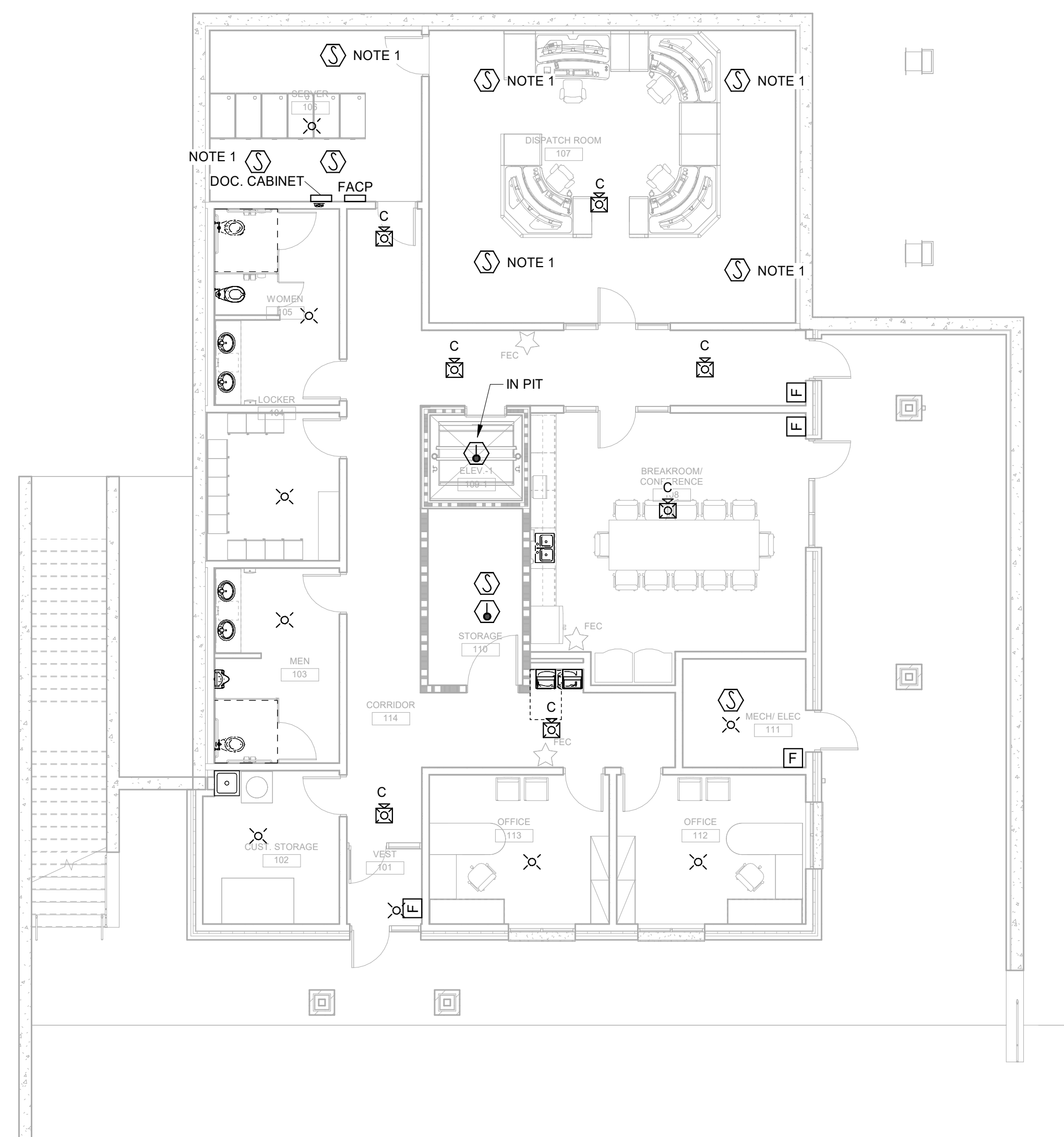


**2 MECHANICAL POWER PLAN - LEVEL 2**  
 E3.01 SCALE: 1/8" = 1'-0"

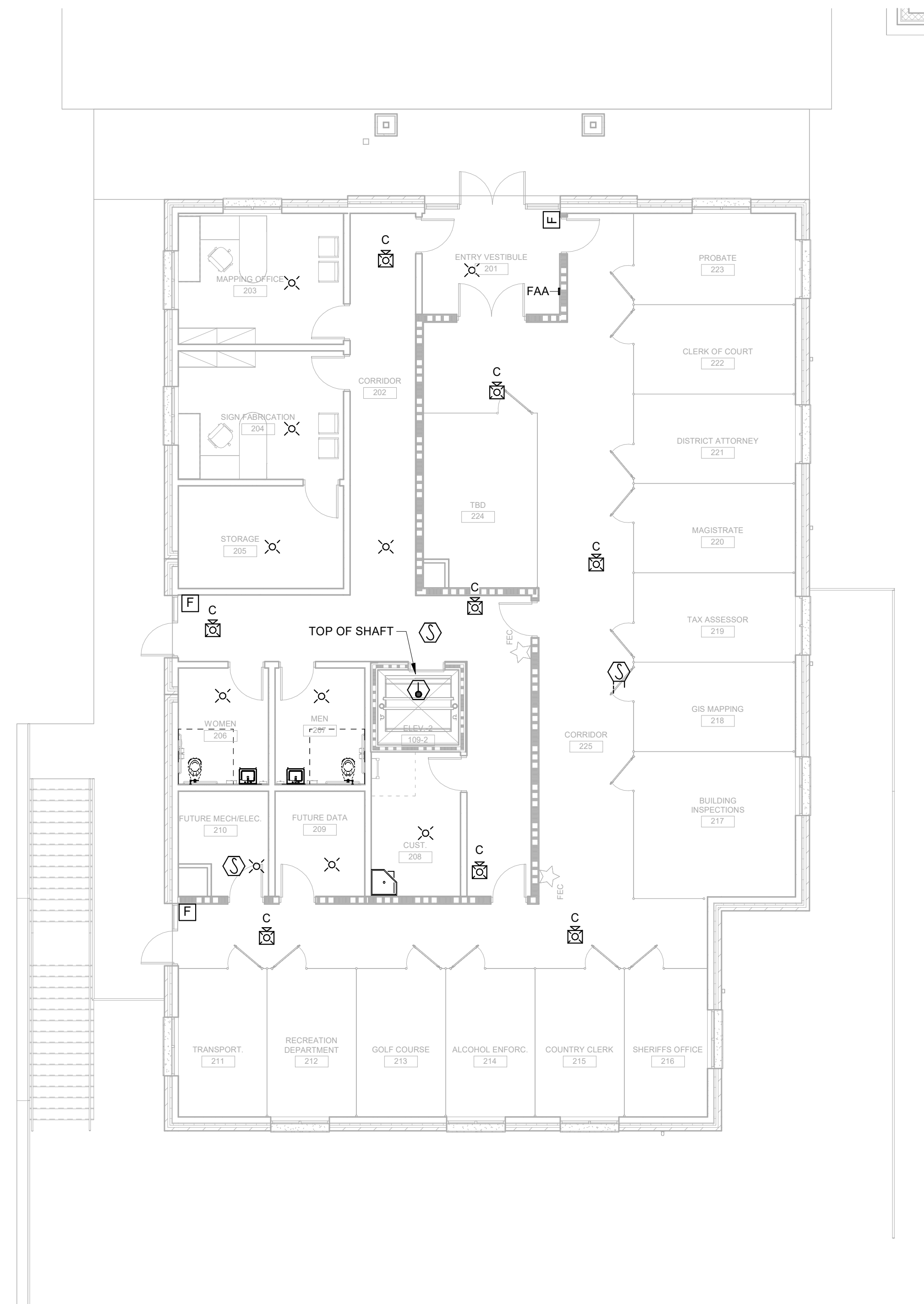


**3 MECHANICAL POWER PLAN - ROOF**  
 E3.01 SCALE: 1/8" = 1'-0"

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**1 FIRE ALARM PLAN - LEVEL 1**  
 E4.01 SCALE: 1/8" = 1'-0"



**2 FIRE ALARM PLAN - LEVEL 2**  
 E4.01 SCALE: 1/8" = 1'-0"

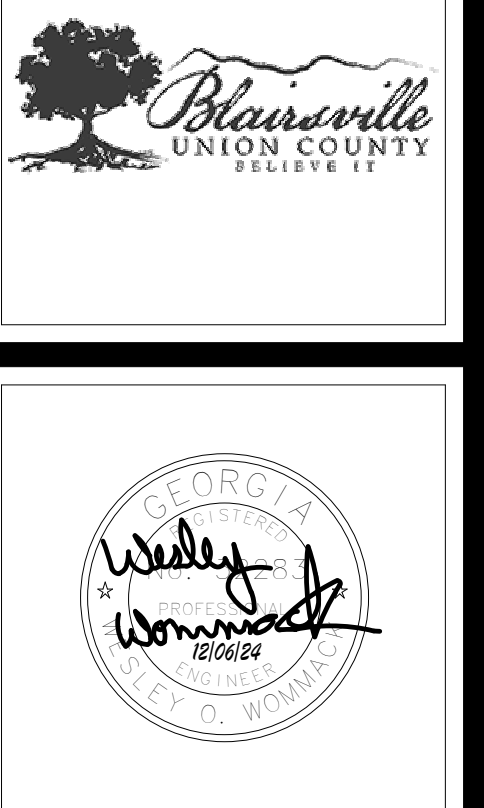
**NOTES:**

1. PROVIDE SMOKE DETECTOR MOUNTED BELOW RAISED FLOOR.

**GENERAL NOTES:**

- CONSULT ARCHITECTURAL DRAWINGS TO DETERMINE EXACT LOCATION FOR MOUNTING MAGNETIC DOOR HOLDERS.
- ALL HVAC EQUIPMENT PROVIDED WITH DUCT DETECTORS SHALL BE INTERFACED WITH FIRE ALARM SYSTEM TO SHUT DOWN DURING AN ALARM CONDITION. MOUNT DETECTORS ACCORDING TO MECHANICAL SPECIFICATIONS. WHERE MOUNTED ABOVE CEILING PROVIDE REMOTE LED INDICATOR LIGHTS MOUNTED IN CEILING TILE BELOW UNIT.
- ALL FIRE ALARM CABLING SHALL BE IN CONDUIT.
- PROVIDE TO THE STATE FIRE MARSHAL'S OFFICE THE FOLLOWING:
  1. PLAN VIEW DRAWN TO SCALE.
  2. LOW VOLTAGE CONTRACTOR'S NAME, LICENSE NUMBER AND SIGNATURE.
  3. EQUIPMENT SUBMITTALS.
  4. BATTERY CALCULATIONS.
  5. WIRING CLASS.
  6. INITIATING/NOTIFICATION DEVICE INFORMATION.
- MOUNT DETECTOR UPSTREAM OF AIR FLOW FROM SMOKE DAMPERS. INTERLOCK SMOKE DAMPERS WITH FIRE ALARM PANEL. PROVIDE POWER FOR SMOKE DAMPERS AS REQUIRED FROM NEAREST CORRIDOR RECEPTACLE CIRCUIT OR AS INDICATED ON POWER PLANS.
- PROVIDE FIRE ALARM CONNECTION TO EACH SMOKE DAMPER AND COMBINATION FIRE/SMOKE DAMPER. SEE MECHANICAL PLANS FOR LOCATIONS AND QUANTITIES OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS. PROVIDE A DUCT SMOKE DETECTOR AT EACH UNIT.

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Designer	HJC	WOW
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JOB NO. 624 1109 01		

**NEW 911 CENTER FOR UNION COUNTY**  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**FLOOR PLAN - FIRE ALARM SYSTEM**

DRAWING NUMBER  
**E4.01**

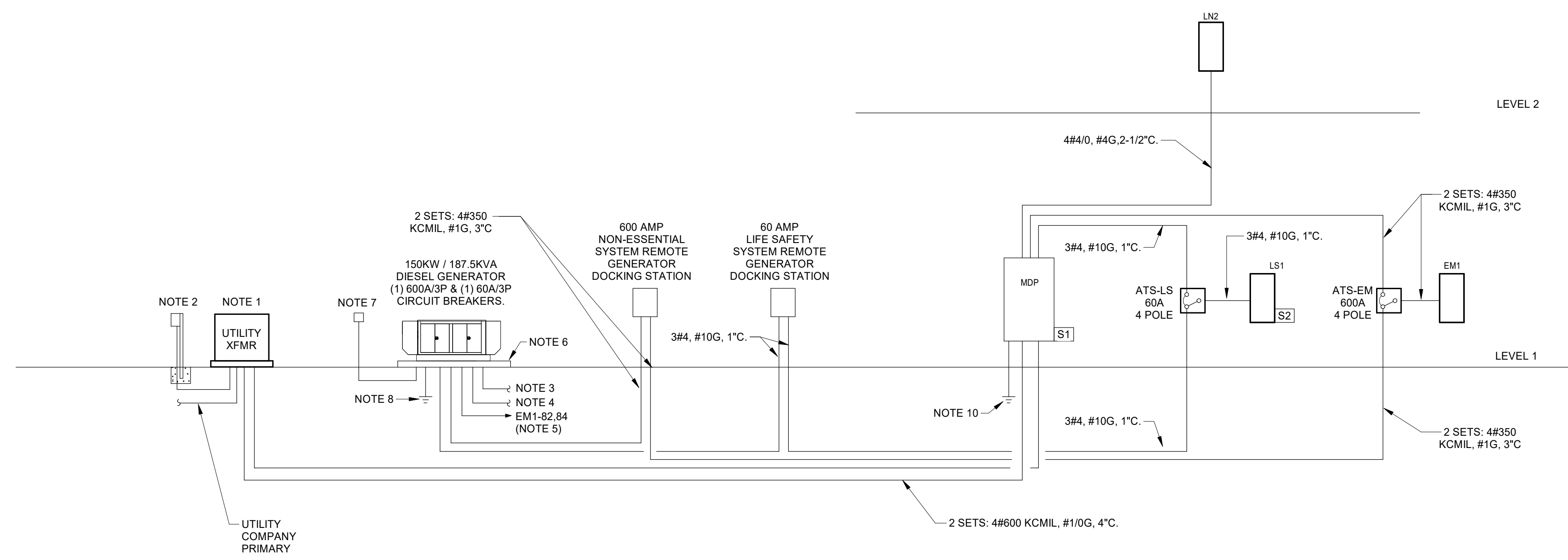
**RISER DIAGRAM LEGEND & EQUIPMENT NOTES:**

**S1** SURGE PROTECTION DEVICE IN MAIN SERVICE PANEL: PROVIDE 5-#2 CONDUCTORS IN 1- 1/2" C FROM 100A/3P BREAKER IN SUPPLYING PANEL.

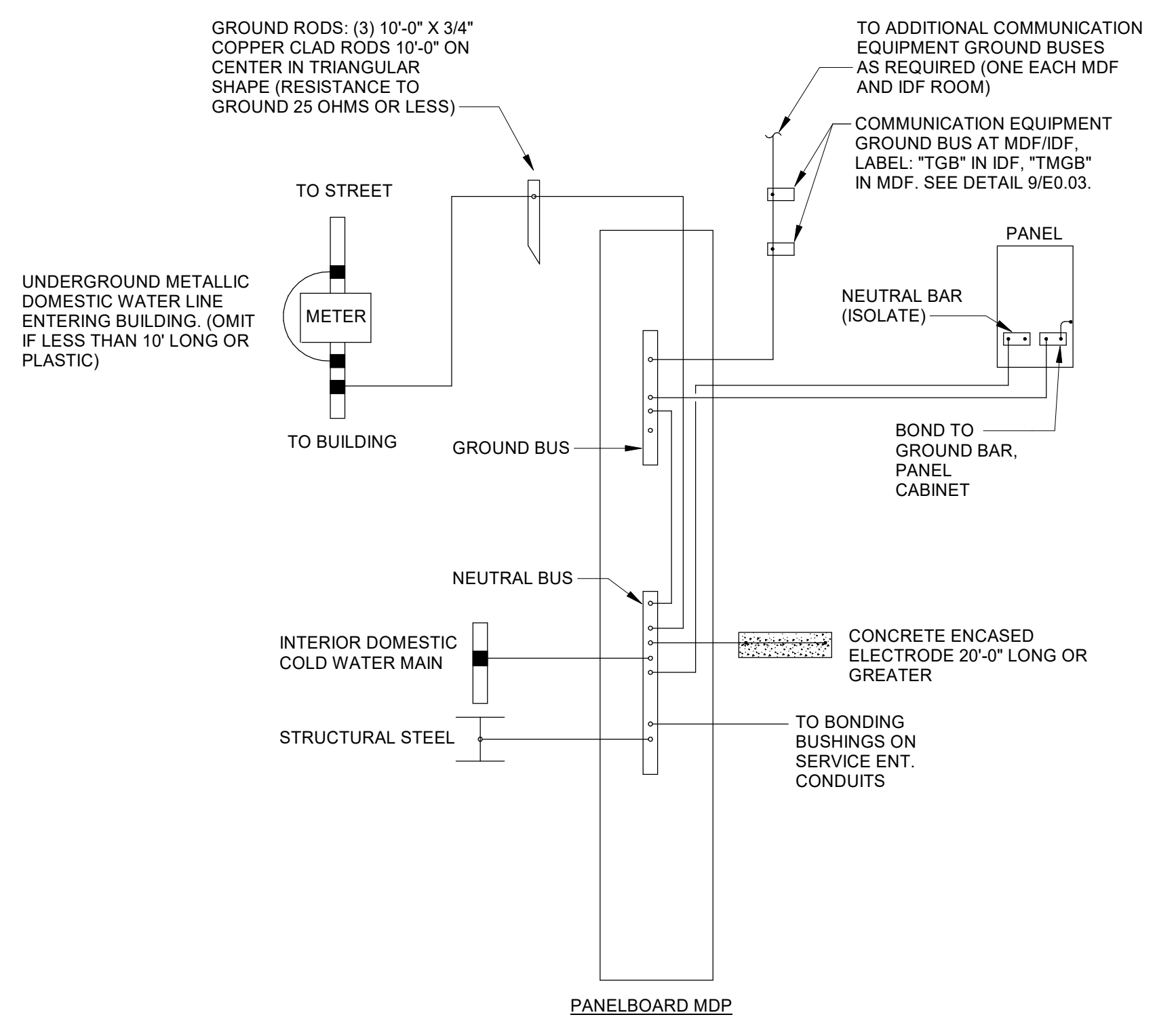
**S2** SURGE PROTECTION DEVICE IN DISTRIBUTION PANELS: PROVIDE 5-#6 CONDUCTORS IN 1" C FROM 60A/3P BREAKER IN SUPPLYING PANEL.

**SURGE PROTECTION NOTES:**  
 PROVIDE BREAKERS IN PANELS FOR SPD UNITS WHETHER OR NOT INDICATED ON PANEL SCHEDULE. THERE SHALL BE NO SPLICES IN PANEL. COORDINATE MOUNTING OF TVSS BREAKER PRIOR TO ROUGH IN.

- NOTES:**
- UTILITY COMPANY PAD MOUNTED TRANSFORMER SEE SITE PLAN FOR EXACT LOCATION. ELECTRICAL CONTRACTOR TO PROVIDE PAD PER UTILITY COMPANY REQUIREMENTS.
  - METER BASE SUPPLIED BY POWER COMPANY AND INSTALLED BY ELECTRICAL CONTRACTOR.
  - PROVIDE 1" C. TO EACH AUTOMATIC TRANSFER SWITCH FOR CONTROL WIRES. PROVIDE WIRING PER MANUFACTURER'S REQUIREMENTS.
  - PROVIDE 1" C. TO GENERATOR REMOTE ANNUNCIATOR PANEL. PROVIDE WIRING PER MANUFACTURER'S REQUIREMENTS.
  - PROVIDE #10, 3/4" C. FOR POWER TO BATTERY CHARGER AND BLOCK HEATER.
  - SEE GENERATOR PAD DETAIL.
  - PAD LOCKABLE STAINLESS STEEL NEMA 4X BOX WITH HINGED GASKETED COVER. THIS BOX SHALL HOUSE BUTTON TO SHUT DOWN EMERGENCY GENERATORS. PROVIDE ENGRAVED LABEL "PUSH BUTTON TO SHUT DOWN GENERATORS." LETTERS SHALL BE WHITE 1/4" HIGH ON RED BACKGROUND. MOUNT 48" AFF. MOUNT ON RACK NEAR GENERATOR.
  - SEE 4-POLE ATS GROUNDING DETAIL, 4/E5.01.
  - PROVIDE ENGRAVED LABEL "SERVICE 2 OF 2". LETTERS SHALL BE WHITE 1/2" HIGH ON BLACK BACKGROUND.
  - SEE SERVICE GROUNDING DETAIL, 2/E5.01.

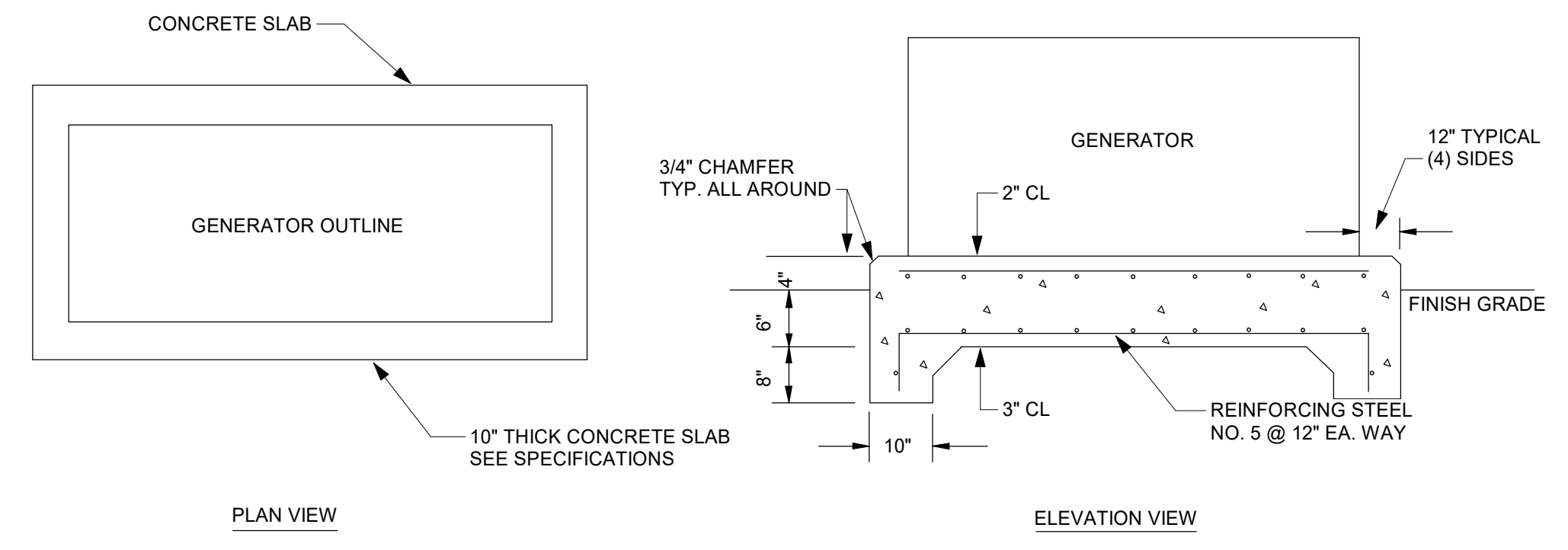


**1 POWER RISER DIAGRAM**  
 E5.01 SCALE: NOT TO SCALE

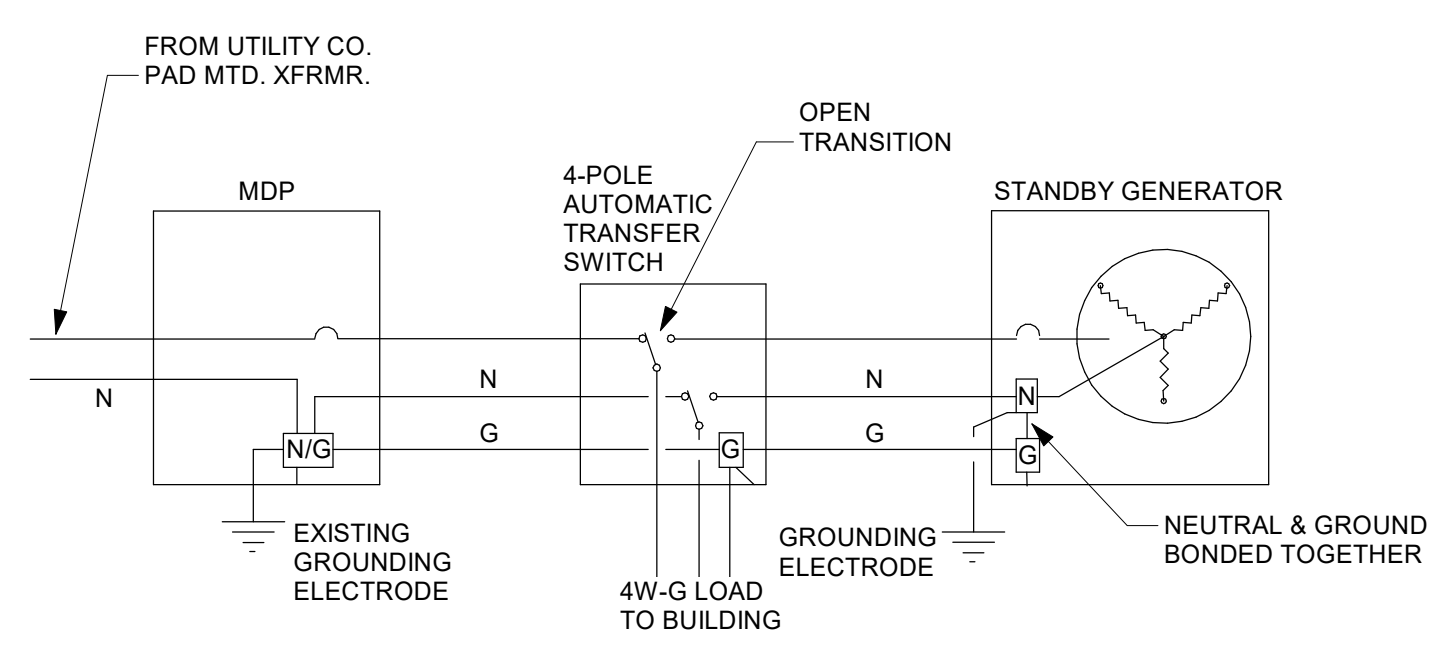


- NOTES: (SERVICE GROUND DETAIL)**
- PROVIDE TAGS AT EACH END OF EACH GROUND ROD, INTERIOR WATER PIPE AND BUILDING STEEL CONNECTION. LABEL END AT CONNECTION AS "SYSTEM GROUND - DO NOT REMOVE." LABEL END SWITCHBOARD MSB TO IDENTIFY OPPOSITE END.  
 EXAMPLE: "GROUND RODS", "BUILDING STEEL", ETC.
  - ALL ELECTRODE CONNECTIONS SHALL BE ACCESSIBLE. ALL ELECTRODE CONDUCTORS AND JUMPERS SHALL BE NO. 4/0 AWG.
  - CONNECTIONS TO ROD, REINFORCING STEEL BARS, AND STRUCTURAL STEEL SHALL BE EXOTHERMIC WELD TYPE.
  - CONNECTION TO PIPE ELECTRODES SHALL BE PRESSURE OR CLAMP TYPE.
  - CONNECTION AT COMMUNICATION BUS SHALL BE MECHANICAL LUG TYPE.

**2 SERVICE GROUND DETAIL**  
 E5.01 SCALE: NOT TO SCALE



**3 GENERATOR PAD DETAIL**  
 E5.01 SCALE: NOT TO SCALE



**4 4-POLE ATS GROUNDING DETAIL**  
 E5.01 SCALE: N.T.S.

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REVISIONS:


DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**POWER RISER DIAGRAM & DETAILS**

DRAWING NUMBER  
**E5.01**

PANEL: MDP					VOLTAGE: 120/208 WYE		MAINS RATING: 800 A		LOCATION: MECH/ ELEC 111		
					PHASE: 3		MAINS TYPE: BREAKER		MOUNTING: SURFACE		
					WIRES: 4		FED BY: UTILITY CO. XFMR		RATING: NEMA 1		
					A.I.C. RATING: 22,000		TOTAL LOAD: 214332 VA				
CKT	TRIP	P	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	P	TRIP	CKT	
1				3135	0					2	
3	60 A	3	ATS-LS		1585	0		SPARE		4	
5						1872	0			6	
7				64560	0					8	
9	600 A	3	ATS-EM		66566	0		SPARE		10	
11						67378	0			12	
13				3365	0					14	
15	225 A	3	PANEL LN2		3240	0		SPARE		16	
17						2700	0			18	
19	--	1	SPACE	--	--	--	--	SPACE	1	20	
21	--	1	SPACE	--	--	--	--	SPACE	1	22	
23	--	1	SPACE	--	--	--	--	SPACE	1	24	
25	--	1	SPACE	--	--	--	--	SPACE	1	26	
27	--	1	SPACE	--	--	--	--	SPACE	1	28	
29	--	1	SPACE	--	--	--	--	SPACE	1	30	
31	--	1	SPACE	--	--	--	--	SPACE	1	32	
33	--	1	SPACE	--	--	--	--	SPACE	1	34	
35	--	1	SPACE	--	--	--	--	SPACE	1	36	
37	--	1	SPACE	--	0					38	
39	--	1	SPACE	--	--	0		SURGE PROTECTION DEVICE	3	40	
41	--	1	SPACE	--	--	--	--	SPACE	1	42	
				70994 VA	71391 VA	71950 VA					
				592 A	595 A	600 A					

NOTES: SERVICE ENTRANCE RATED

PANEL: LN2					VOLTAGE: 120/208 WYE		MAINS RATING: 225 A		LOCATION: FUTURE MECH/ELEC 210		
					PHASE: 3		MAINS TYPE: MLO		MOUNTING: SURFACE		
					WIRES: 4		FED BY: MDP		RATING: NEMA 1		
					A.I.C. RATING: 10,000		TOTAL LOAD: 9305 VA				
CKT	TRIP	P	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	P	TRIP	CKT	
1	20 A	1	LIGHTING	1565	0			SPARE		2	
3	20 A	1	RECEPTACLES		1080	0		SPARE		4	
5	20 A	1	RECEPTACLES			1080	0	SPARE		6	
7	20 A	1	RECEPTACLES	1080	0			SPARE		8	
9	20 A	1	RECEPTACLES		900	0		SPARE		10	
11	20 A	1	RECEPTACLES			1080	0	SPARE		12	
13	20 A	1	RECEPTACLES	720	0			SPARE		14	
15	20 A	1	RECEPTACLES		1260	0		SPARE		16	
17	20 A	1	RECEPTACLES			540	0	SPARE		18	
19	--	1	SPACE	--	--	--	--	SPACE	1	20	
21	--	1	SPACE	--	--	--	--	SPACE	1	22	
23	--	1	SPACE	--	--	--	--	SPACE	1	24	
25	--	1	SPACE	--	--	--	--	SPACE	1	26	
27	--	1	SPACE	--	--	--	--	SPACE	1	28	
29	--	1	SPACE	--	--	--	--	SPACE	1	30	
31	--	1	SPACE	--	--	--	--	SPACE	1	32	
33	--	1	SPACE	--	--	--	--	SPACE	1	34	
35	--	1	SPACE	--	--	--	--	SPACE	1	36	
37	--	1	SPACE	--	--	--	--	SPACE	1	38	
39	--	1	SPACE	--	--	--	--	SPACE	1	40	
41	--	1	SPACE	--	--	--	--	SPACE	1	42	
				3365 VA	3240 VA	2700 VA					
				29 A	28 A	23 A					

NOTES:



PANEL: LS1					VOLTAGE: 120/208 WYE		MAINS RATING: 60 A		LOCATION: MECH/ ELEC 111		
					PHASE: 3		MAINS TYPE: MLO		MOUNTING: SURFACE		
					WIRES: 4		FED BY: MDP		RATING: NEMA 1		
					A.I.C. RATING: 10,000		TOTAL LOAD: 6556 VA				
CKT	TRIP	P	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	P	TRIP	CKT	
1	20 A	1	LIGHTING	985	--			SPACE		2	
3	20 A	1	LIGHTING		1240	--		SPACE		4	
5	20 A	1	LIGHTING			372	--	SPACE		6	
7	20 A	1	LIGHTING	731	--			SPACE		8	
9	20 A	1	LIGHTING		345	--		SPACE		10	
11	20 A	1	FACP (RED AND LOCKABLE BKR)			1500	--	SPACE		12	
13	20 A	1	SITE LIGHTING	1500	--			SPACE		14	
15	20 A	1	SPARE		0	--		SPACE		16	
17	20 A	1	SPARE			0	--	SPACE		18	
19	20 A	1	SPARE	0	--			SPACE		20	
21	20 A	1	SPARE		0	--		SPACE		22	
23	20 A	1	SPARE			0	--	SPACE		24	
25	20 A	1	SPARE	0	0					26	
27	20 A	1	SPARE			0	0	SURGE PROTECTION DEVICE	3	28	
29	20 A	1	SPARE							30	
				3135 VA	1585 VA	1872 VA					
				26 A	13 A	16 A					

NOTES:

PANEL: EM1					VOLTAGE: 120/208 WYE		MAINS RATING: 600 A		LOCATION: MECH/ ELEC 111		
					PHASE: 3		MAINS TYPE: MLO		MOUNTING: SURFACE		
					WIRES: 4		FED BY: MDP		RATING: NEMA 1		
					A.I.C. RATING: 10,000		TOTAL LOAD: 198503 VA				
CKT	TRIP	P	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	P	TRIP	CKT	
1	20 A	1	RECEPTACLES	180	180			REFRIGERATOR (GFCI BKR)		2	
3	20 A	1	RECEPTACLES		180	180		VENDING		4	
5	20 A	1	RECEPTACLES			180	180	VENDING		6	
7	20 A	1	RECEPTACLES	180	720			RECEPTACLES		8	
9	20 A	1	RECEPTACLES		1260	180		RECEPTACLES		10	
11	20 A	1	RECEPTACLES			540	540	RECEPTACLES		12	
13	20 A	1	RECEPTACLES	360	180			EWG (GFCI BKR)		14	
15	20 A	1	RECEPTACLES		360	180		EWG (GFCI BKR)		16	
17	20 A	1	RECEPTACLES			360	360	RECEPTACLES		18	
19	20 A	1	RECEPTACLES	360	360			RECEPTACLES		20	
21	20 A	1	RECEPTACLES		360	360		RECEPTACLES		22	
23	20 A	1	RECEPTACLES			360	360	RECEPTACLES		24	
25	20 A	1	RECEPTACLES	900	0			SPARE		26	
27	20 A	1	RECEPTACLES		720	4083				28	
29	20 A	1	RECEPTACLES			720	4083	TU-1	3	30	
31	20 A	1	RECEPTACLES	1080	4083					32	
33	20 A	1	RECEPTACLES		1080	1453				34	
35	20 A	1	RECEPTACLES			180	1453	TU-2	3	36	
37	20 A	1	RECEPTACLES	180	1453					38	
39	20 A	1	MICROWAVE (GFCI BKR)		180	16572				40	
41	20 A	1	RECEPTACLES			180	16572	RAC-1	3	42	
43				1453	16572					44	
45	20 A	3	TU-3		1453	3432				46	
47						1453	3432	DHP/DAH-1	2	48	
49				5344	264			EF-1	1	50	
51	50 A	3	TU-4		5344	360		SERVICE RECEPTACLES	1	52	
53						5344	3465	WH-1	3	54	
55				5956	3465					56	
57	50 A	3	TU-5		5956	3465				58	
59						5956	2005			60	
61	125 A	3	ELEVATOR - JHUJ1 SHUNT TRIP BREAKER	11085	2005			BP-1	3	62	
63						11085	2005			64	
65							11085	2402	EH-1	2	66
67	20 A	2	ELEVATOR JHL	1560	2402			RECEPTACLES		68	
69					1560	180		RECEPTACLES		70	
71	20 A	1	AV			1800	180	RECEPTACLES		72	
73	20 A	1	SUMP PUMP	1500	360			RECEPTACLES		74	
75	20 A	1	ELEVATOR LIGHTS		180	360		RECEPTACLES		76	
77	20 A	1	RECEPTACLES			720	90	RECEPTACLES		78	
79	20 A	1	MOTORIZED PROJECTOR...	500	90			RECEPTACLES		80	
81	20 A	1	HWCP-1		480	1500		GENERATOR BATTERY...		82	
83	20 A	1	EMCS			180	1500	GENERATOR BLOCK HEATER		84	
85	20 A	1	RECEPTACLES	360	347					86	
87	20 A	1	RECEPTACLES		360	347		SLIDING GATE	3	88	
89						90	347			90	
91	20 A	2	RECEPTACLES	90						92	
93	20 A	1	RECEPTACLES		360					94	
95	20 A	1	RECEPTACLES			360				96	
97	20 A	2	RECEPTACLES	90						98	
99					90					100	
101	20 A	1	RECEPTACLES			360				102	
103	20 A	1	RECEPTACLES	360						104	
105	20 A	2	RECEPTACLES		90					106	
107						90				108	
109	20 A	1	RECEPTACLES	360						110	
111	20 A	1	RECEPTACLES		360					112	
113	20 A	2	RECEPTACLES			90				114	
115	20 A	2	RECEPTACLES	90						116	
117	20 A	1	RECEPTACLES		360					118	
119	20 A	1	RECEPTACLES			360				120	
121				90						122	
123	20 A	2	RECEPTACLES		90					124	
125										126	
				64560 VA	66566 VA	67378 VA					
				538 A	557 A	564 A					

NOTES:

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HUSSEY GAY BELL

Established 1958

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REVISIONS:

DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512

PANELBOARD SCHEDULES

DRAWING NUMBER  
E5.02

**LEGEND:**

- DEVICE IDENTIFIER TAGS:**
- NUMERAL ADJACENT TO DEVICE DENOTES BRANCH CIRCUIT CONNECTION. IDENTIFIER TAGS ADJACENT TO DEVICES INDICATE:
- C MOUNT ABOVE COUNTERTOP OR BACKSPLASH, 9" ABOVE WORK SURFACE TO CENTER
  - XX" MOUNT DEVICE AT HEIGHT INDICATED
  - WP PROVIDE WEATHER-PROOF COVER
  - MF DEVICE INSTALLED IN MODULAR FURNITURE BASE
  - TV MOUNT DEVICE AT 84" AFF, ADJACENT TO TV RECEPTACLE
  - CCTV MOUNT DEVICE IN WALL AT 9'-0" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER. MOUNT DEVICE IN CEILING TILE, WHERE CAMERA IS SHOWN IN CEILING MOUNTED.

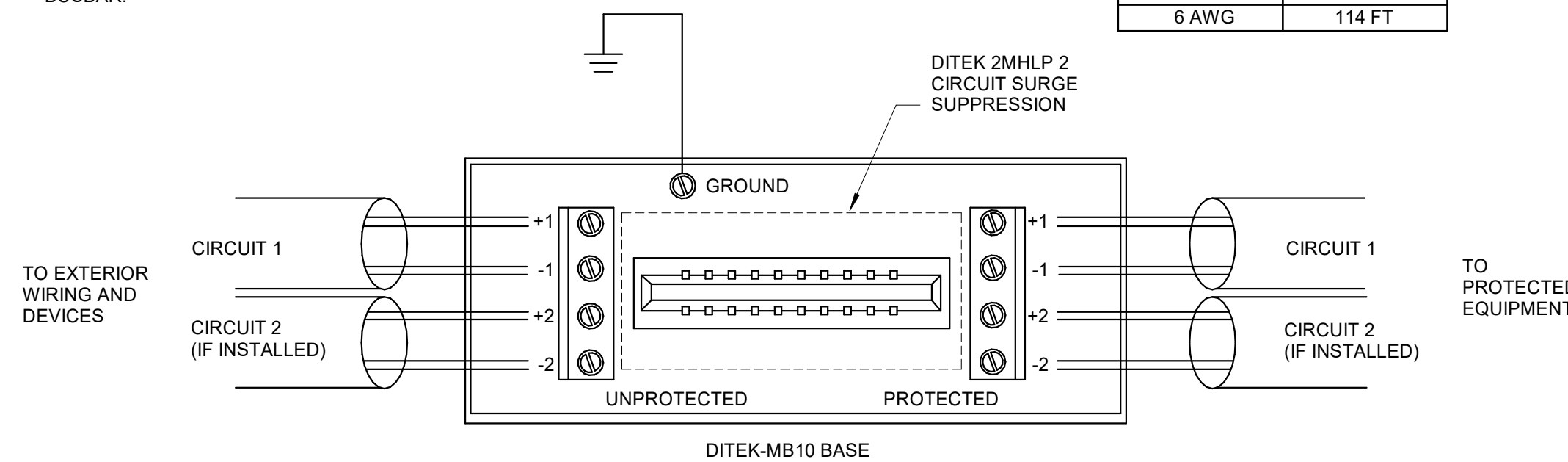
- TELECOMMUNICATIONS:**
- OUTLETS SHALL BE INSTALLED AT THE SAME HEIGHT AS CORRESPONDING POWER OUTLETS, UNO.
- XD ▷ TELECOMMUNICATIONS OUTLET. x DESIGNATES NUMBER OF RJ-45 JACKS FOR DATA, y DESIGNATES NUMBER OF RJ-45 JACKS FOR PHONE & z DESIGNATES NUMBER OF MTRJ TYPE JACK PAIRS OF FIBER
  - 3'-6" L x 2'-0" W x 7'-0" H EIA/TIA RACK WITH VERTICAL WIRE MANAGEMENT CHANNELS
  - CONDUIT SLEEVE: NUMBER & SIZE, 2-4" TYP., UNO
  - COMMUNICATION BACKBOARD: 3/4" THICK TYPE AC PLYWOOD, 8" HIGH, LENGTH AS INDICATED
  - CEILING MTD. TELECOMMUNICATION JUNCTION BOX
  - CEILING MTD. TELECOMMUNICATION JUNCTION BOX AND CONDUIT ROUGH-IN TO NEAREST ACCESSIBLE CEILING

- SECURITY & CAMERA SYSTEMS**
- COORDINATE MOUNTING HEIGHTS, DEVICE LOCATIONS, & POWER/CONTROL REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND SYSTEM INSTALLER.
- CLOSED CIRCUIT TV CAMERA (FIXED), WALL MOUNTED. PROVIDE (1) CAT 6 DROP AT EACH LOCATION.
  - CLOSED CIRCUIT DOME TV CAMERA, CEILING MOUNTED. PROVIDE (1) CAT 6 DROP AT EACH LOCATION.
- ACCESS CONTROL SYSTEMS**
- AC SEE DETAIL 9/10.02 FOR POWER, POWER DISCONNECT, LOW VOLTAGE CABLING, BOXES AND CONDUIT REQUIREMENTS. REFER TO ARCHITECTURAL PLANS AND DOOR SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - CR CARD READER
- SPEAKER SYSTEM:**
- COORDINATE MOUNTING HEIGHTS, DEVICE LOCATIONS & POWER/CONTROL REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND SYSTEM INSTALLER.
- S S SPEAKER - SEE DRAWINGS AND SPECIFICATIONS FOR TYPE.

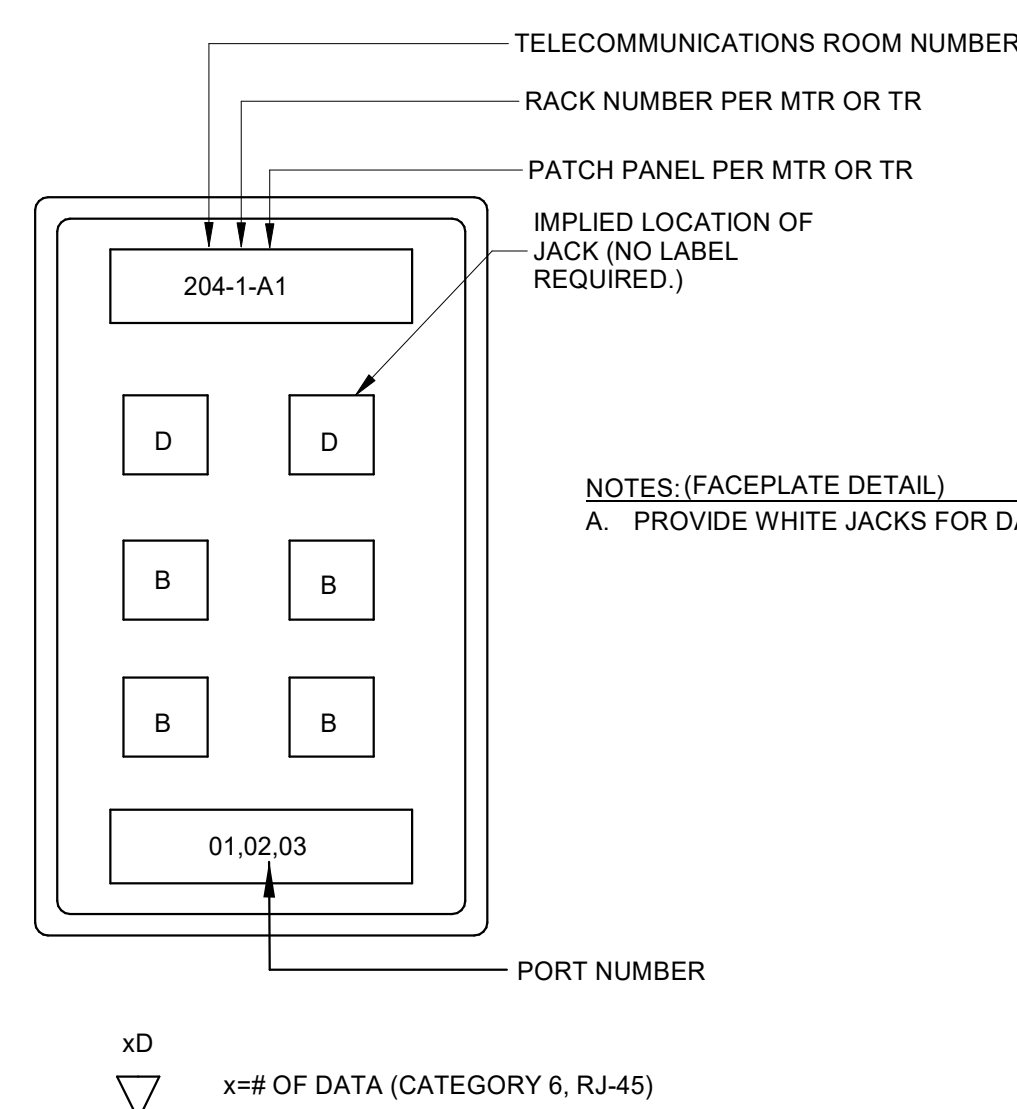
**NOTES: (SIGNALING CIRCUIT SURGE PROTECTION DEVICE DETAIL)**

- A. PROVIDE SURGE PROTECTION DEVICE FOR EACH EXTERIOR LOW VOLTAGE SYSTEMS CIRCUIT.
- B. ELECTRICAL CONTRACTOR SHALL PROVIDE GROUNDING CONDUCTOR SIZED PER TABLE FROM SURGE PROTECTION DEVICE LOCATION TO NEAREST INTER-SYSTEM GROUNDING BUSBAR, TELECOMMUNICATIONS GROUNDING BUSBAR, OR PANELBOARD GROUNDING BUSBAR.

TABLE: GROUNDING CONDUCTOR SIZE	
WIRE SIZE	MAX DISTANCE
12 AWG	28 FT
10 AWG	46 FT
8 AWG	71 FT
6 AWG	114 FT



**3 SIGNALING CIRCUIT SURGE PROTECTION DEVICE**  
T0.01 SCALE: NO SCALE

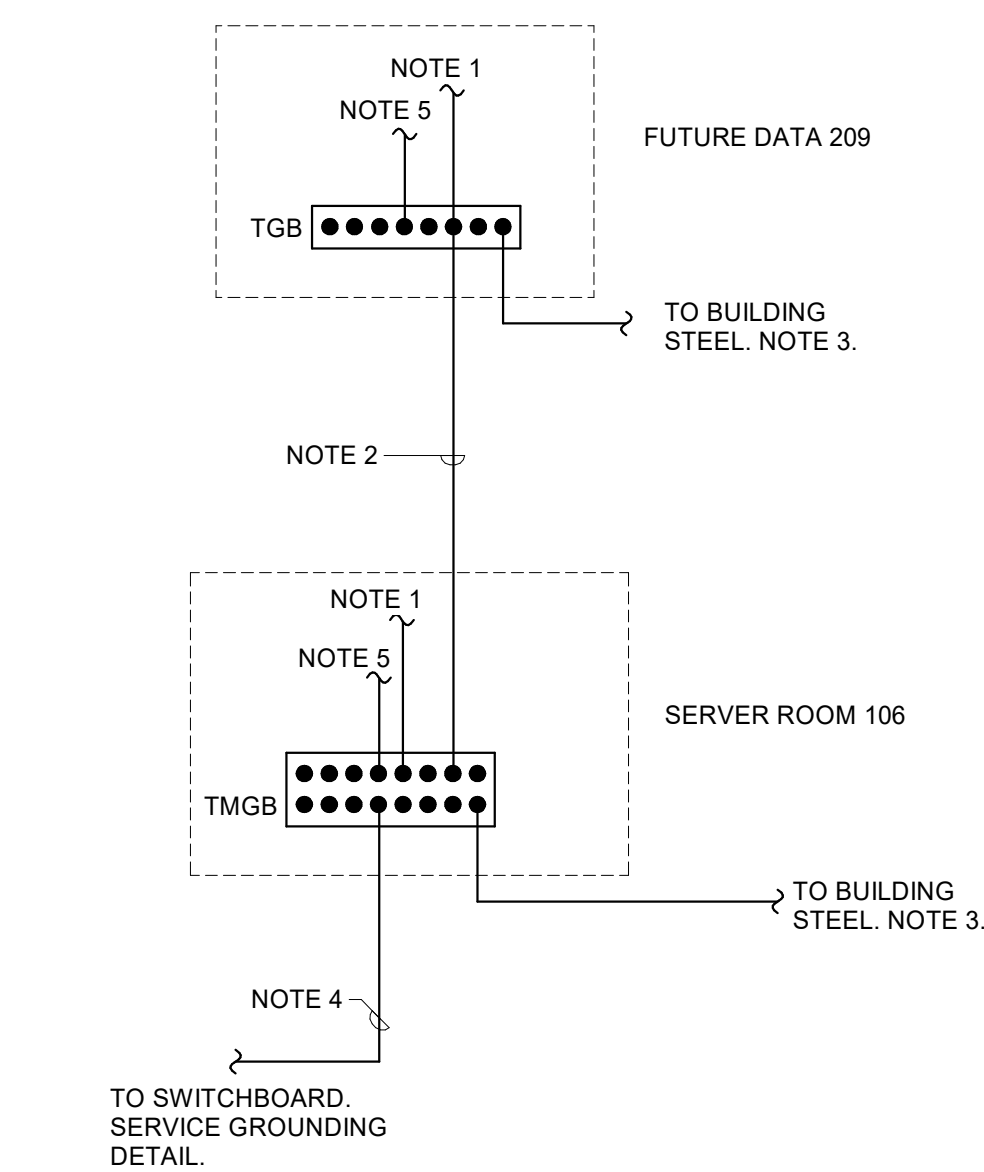


**5 FACEPLATE DETAILS**  
T0.01 SCALE: NOT TO SCALE

**NOTES: (TELECOM GROUNDING & BONDING RISER DIAGRAM)**

- BOND COMMUNICATIONS EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ANSI EIA/TIA 607B GROUNDING AND BONDING STANDARD. BOND RACKS, PROTECTOR MODULES, EQUIPMENT ENCLOSURES, CABLE TRAYS AND METALLIC CONDUITS TO THE TMGB (OR TGB) WITH A MINIMUM OF #6 AWG WITH GREEN THHN INSULATION. REFER TO TBB/GE DISTANCE & SIZING TABLE.
- TELECOMMUNICATIONS BONDING BACKBONE (TBB). INSTALL PER ANSI EIA/TIA 607-B, SIZE PER TBB/GE TABLE.
- SIZE BONDING CONDUCTOR TO BUILDING STEEL PER TIA 607-B TBB/GE TABLE ON THIS SHEET.
- SIZE BONDING CONDUCTOR TO SERVICE ENTRANCE EQUIPMENT GROUND BUS EQUAL TO THE LARGEST TBB CONDUCTOR SIZE USED IN THE BUILDING'S TELECOMMUNICATIONS GROUNDING AND BONDING SYSTEM. PER TIA 607-B TBB/GE TABLE AND RISER DIAGRAM.
- TELECOMMUNICATIONS BONDING CONDUCTOR TO LOCAL PANELBOARD GROUND BUS. MINIMUM CONDUCTOR SIZE SHALL BE #6 AWG WITH GREEN THHN INSULATION. REFER TO TBB/GE DISTANCE & SIZING TABLE.
- ALL CONNECTIONS TO TELECOMMUNICATIONS GROUNDING BUS BARS SHALL BE MADE WITH LONG BARREL, TWO-HOLE, COMPRESSION LUGS. MECHANICAL LUGS ARE NOT ACCEPTABLE.
- PROVIDE A VINYL LABEL FOR EACH CONDUCTOR NOT ORIGINATING IN THE SAME SPACE INDICATING THE PURPOSE AND LOCATION OF THE OTHER END OF THE CONDUCTOR.

**1 TELECOMMUNICATIONS GROUNDING & BONDING RISER DIAGRAM**  
T0.01 SCALE: NOT TO SCALE

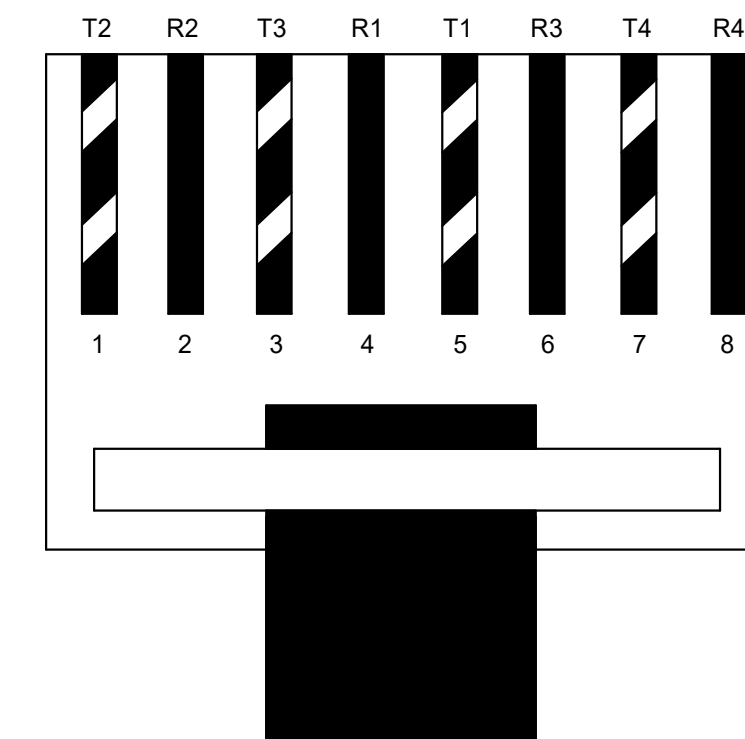


TELECOMMUNICATIONS BONDING BACKBONE (TBB) & GROUNDING EQUALIZER (GE) LENGTH VS. SIZE TABLE	
MAXIMUM TBB/GE LENGTH (FEET)	MINIMUM AWG CONDUCTOR
LESS THAN 13 FT.	6
14 - 20 FT.	4
21 - 26 FT.	3
27 - 33 FT.	2
34 - 41 FT.	1
42 - 52 FT.	1/0
53 - 66 FT.	2/0
67 - 84 FT.	3/0
85 - 105 FT.	4/0
106 - 125 FT.	250 kcmil
126 - 150 FT.	300 kcmil
151 - 175 FT.	350 kcmil
176 - 250 FT.	500 kcmil
251 - 300 FT.	600 kcmil
GREATER THAN 301 FT.	750 kcmil

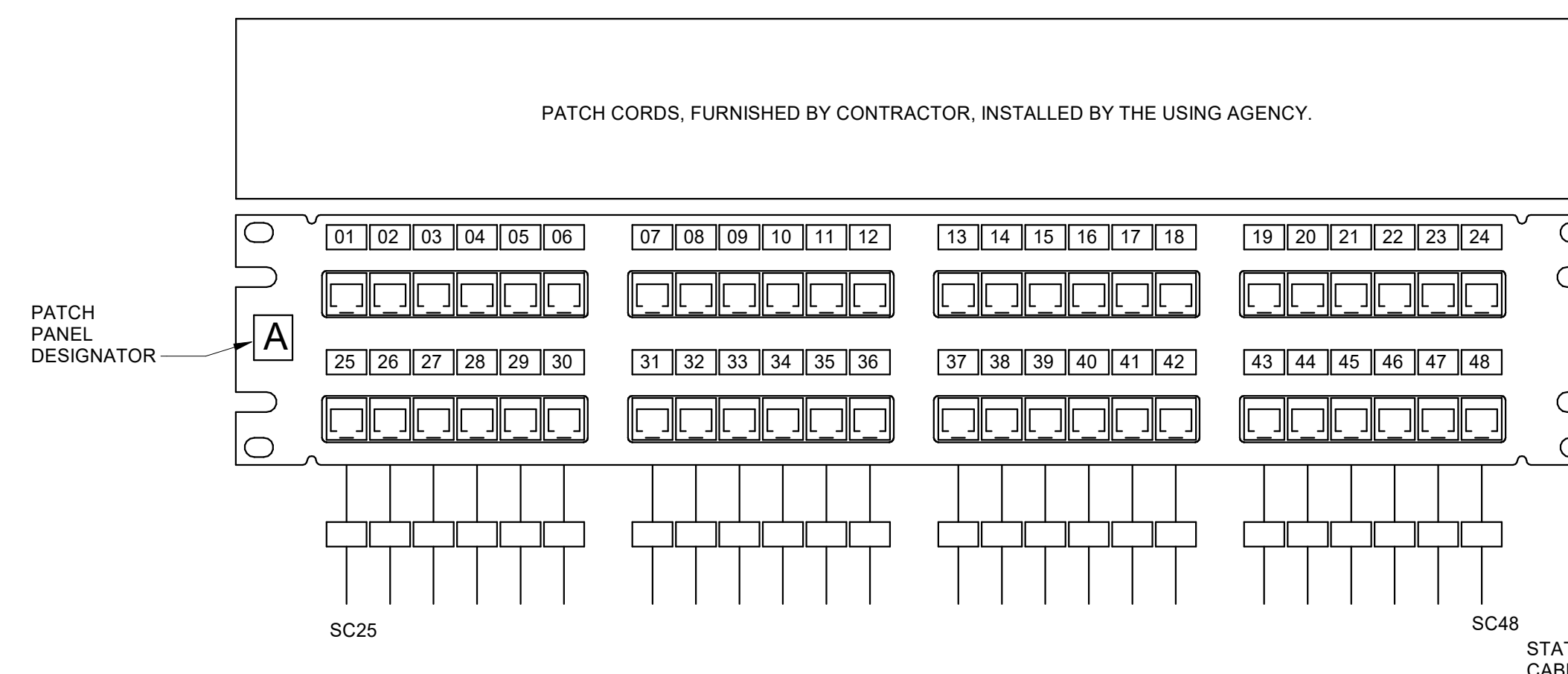
NOTE: ALL CONDUCTORS SHALL HAVE GREEN THHN INSULATION.

**T568-B PINOUT:**

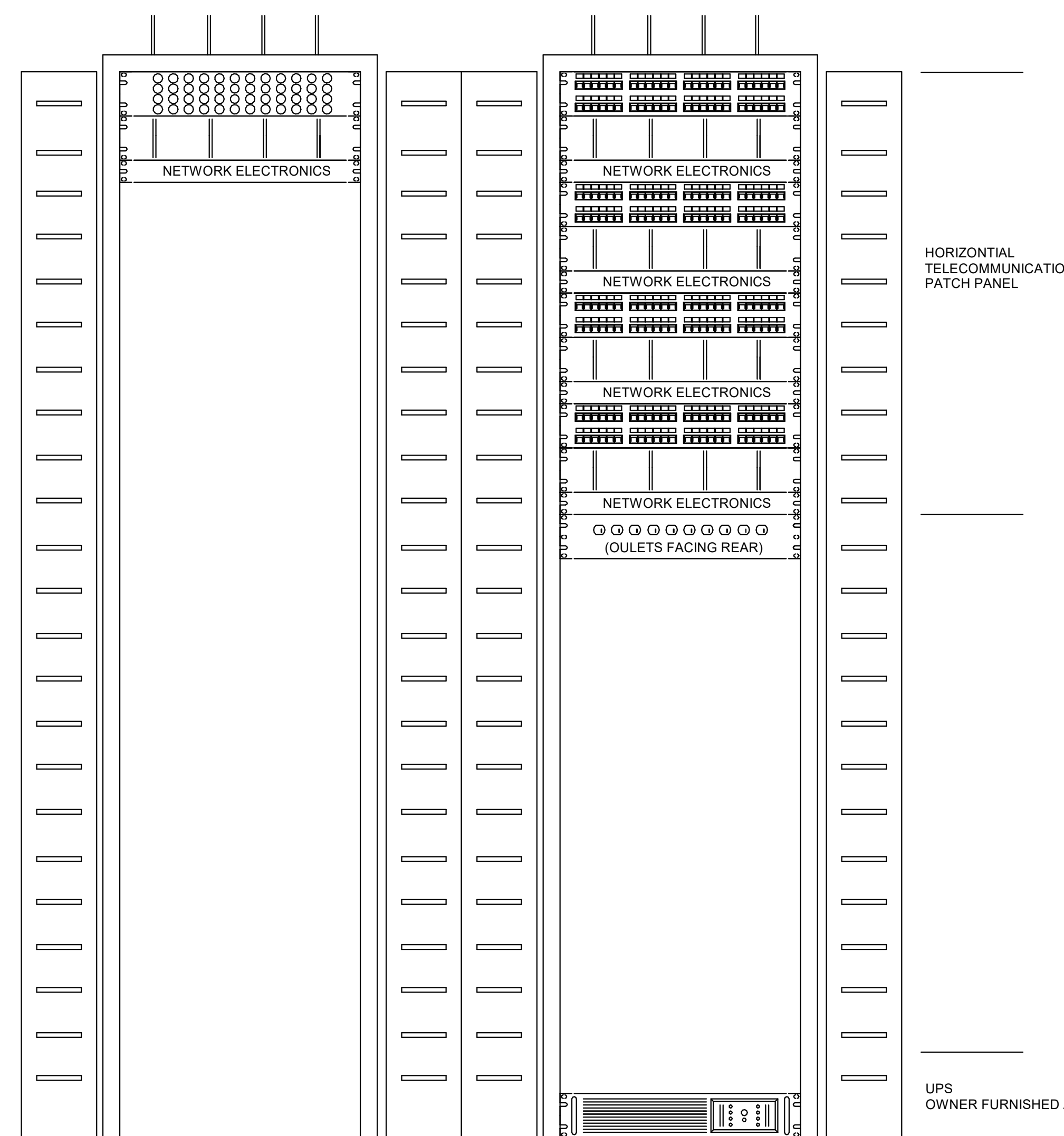
- ORANGE/WHITE
- ORANGE
- GREEN/WHITE
- BLUE
- BLUE/WHITE
- GREEN
- BROWN/WHITE
- BROWN



**2 T568-B PINOUT**  
T0.01 SCALE: NO SCALE



**4 LABELS - 48 PORT CAT 6 PATCH PANEL**  
T0.01 SCALE: NOT TO SCALE



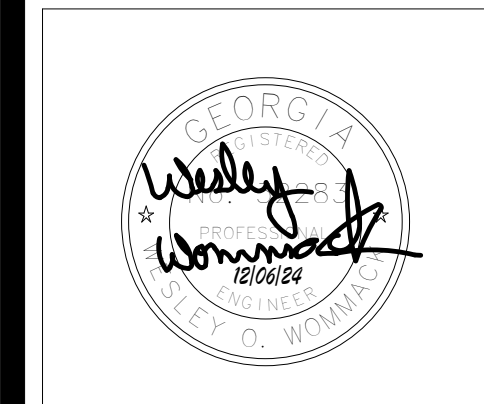
**6 RACK ELEVATION LAYOUT**  
T0.01 SCALE: NOT TO SCALE

**LEGEND:**

- 2 48-PORT FIBER OPTIC PATCH PANEL, 'LC' CONNECTORS
- 2 48-PORT CAT 6 PATCH PANEL
- 2 CABLE MANAGEMENT PANEL
- 1 24-PORT CAT 6 PATCH PANEL
- 1 CABLE MANAGEMENT PANEL
- 2 MULTIOULET STRIP, 10 OUTLETS @ 15A/120V PREWIRED TO A 10" CORE, OVERALL RATING 20A/120V (OULETS FACING REAR)

**NOTES: (RACK ELEVATION LAYOUT DETAIL)**

- NUMERAL SHOWN ADJACENT TO THE LEGEND ITEMS DENOTES HEIGHT IN RACK MOUNTING UNITS, WHERE '1' IS 1.75" (1 RMU-1.75").
- REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- THE QUANTITY OF COMPONENTS SHOWN IN THE DETAILS IS THE MINIMUM TO BE PROVIDED. IF NECESSARY, INCREASE TO MATCH ACTUAL DEVICE COUNTS.
- ALL FACEPLATE, PATCH PANELS, AND CABLES SHALL BE LABELED USING LABELING STANDARDS AS DESCRIBED IN SPECIFICATIONS.
- PROVIDE MODULAR ADAPTOR PANELS W/ LC CONNECTORS (48 PORTS) FOR TERMINATION OF SINGLE MODE CABLE.
- PROVIDE FLOOR MOUNTED DATA CABINETS PER SPECIFICATIONS. SEE DRAWINGS FOR QUANTITIES.



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Established 1958  
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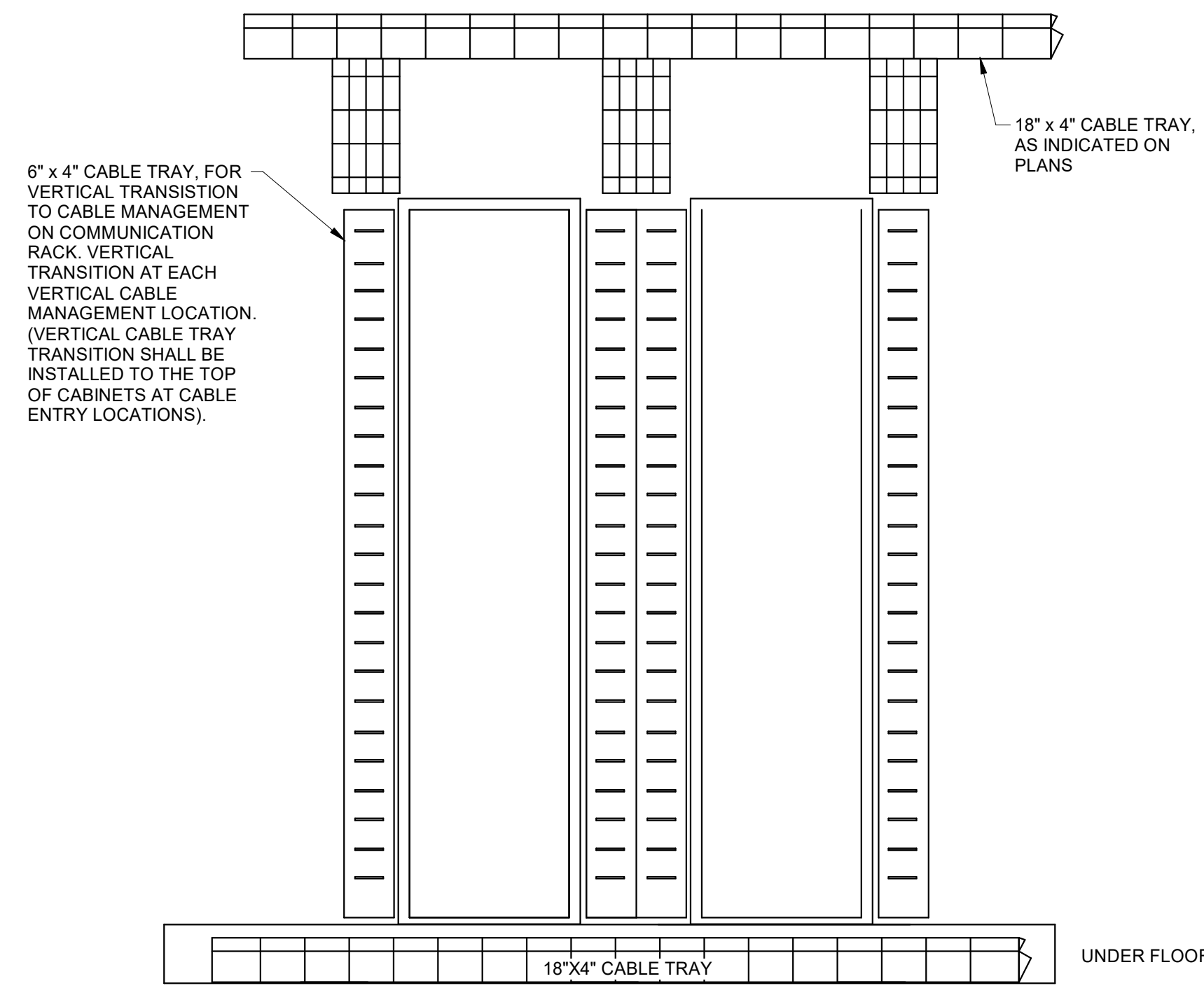
REVISIONS:

NO.	DESCRIPTION

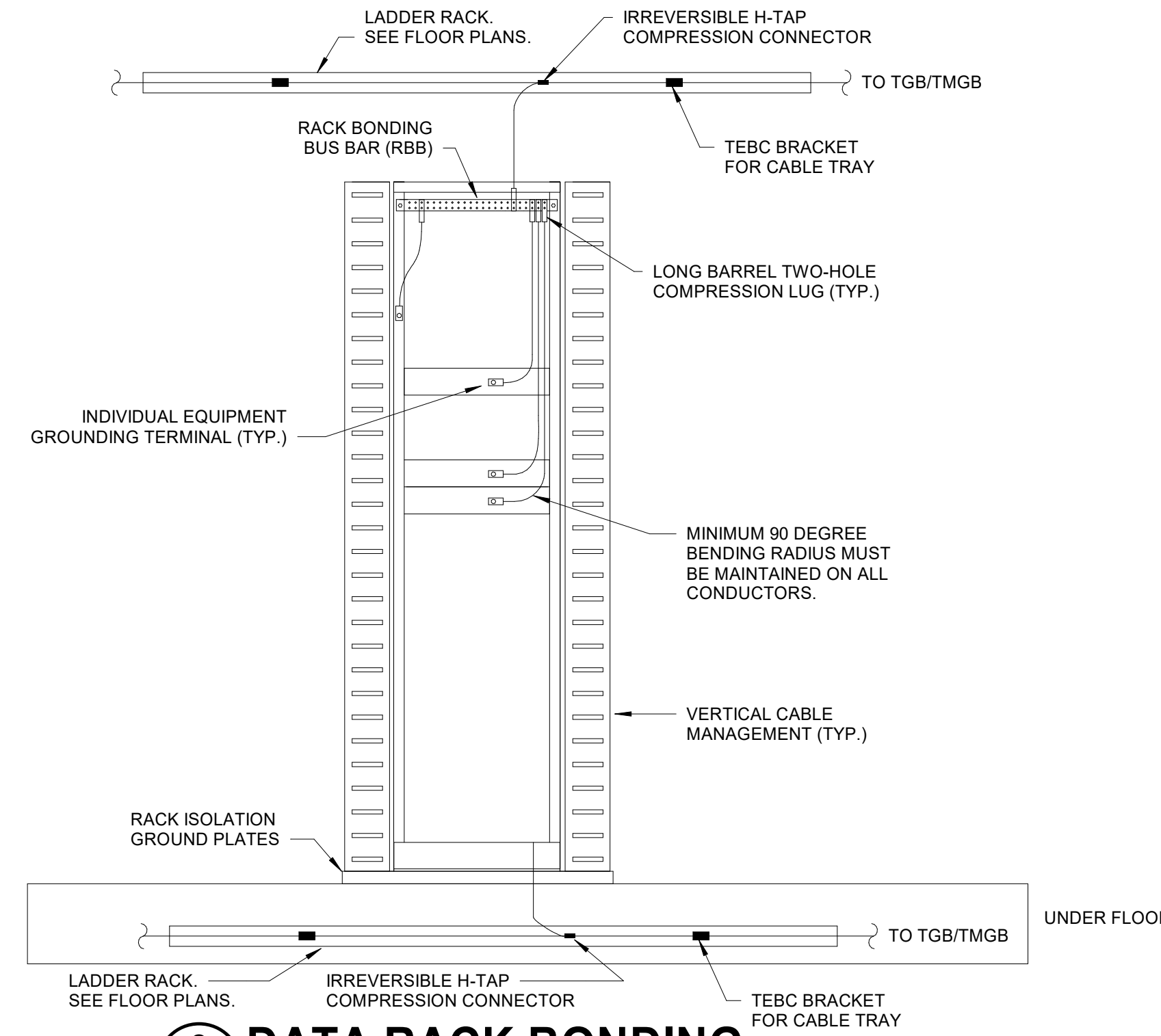
DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE: 12/06/2024		
JOB NO. 624 1109 01		

**NEW 911 CENTER FOR UNION COUNTY**  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
TELECOMMUNICATIONS LEGED & DETAILS

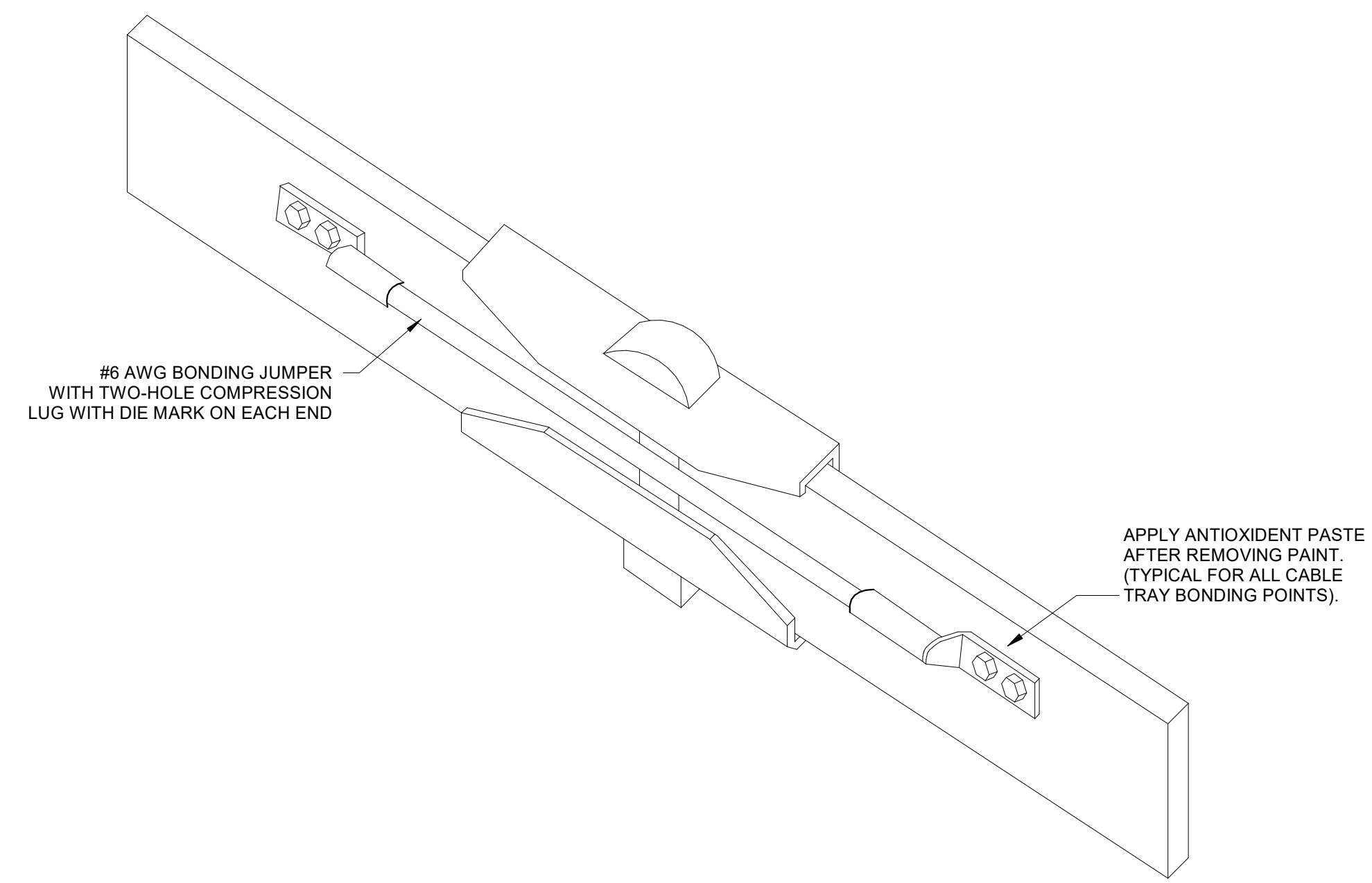
DRAWING NUMBER  
**T0.01**



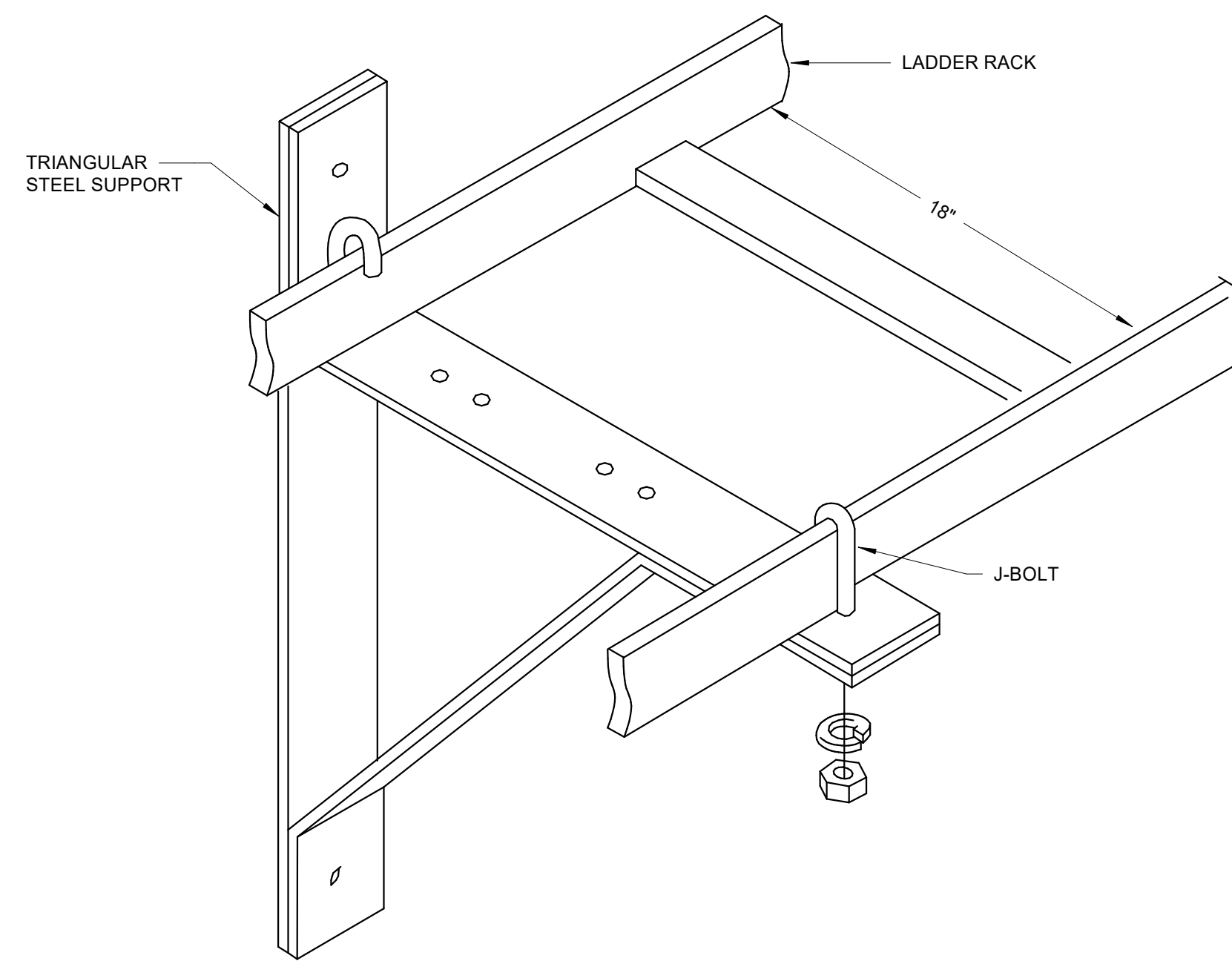
**1 RACK/CABLE TRAY DETAIL**  
T0.02 SCALE:NOT TO SCALE



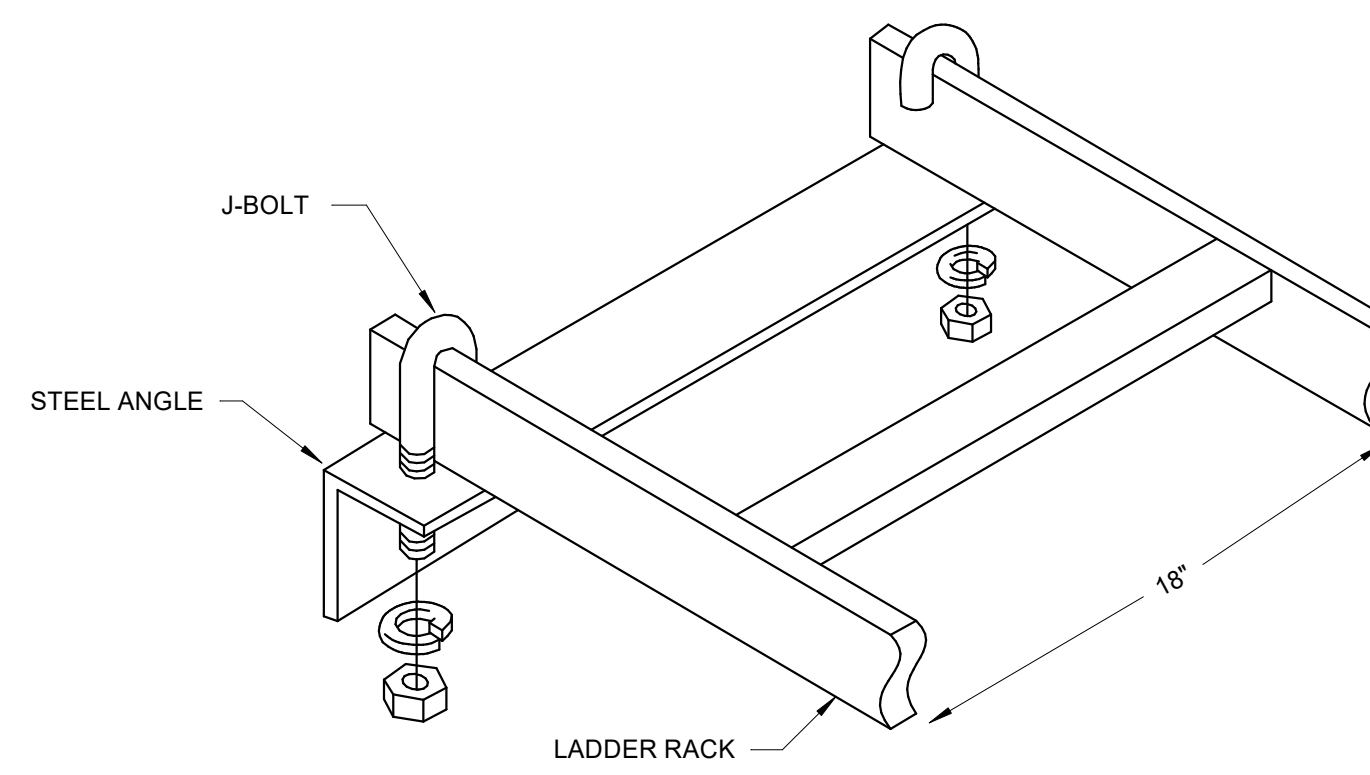
**2 DATA RACK BONDING**  
T0.02 SCALE:NO SCALE



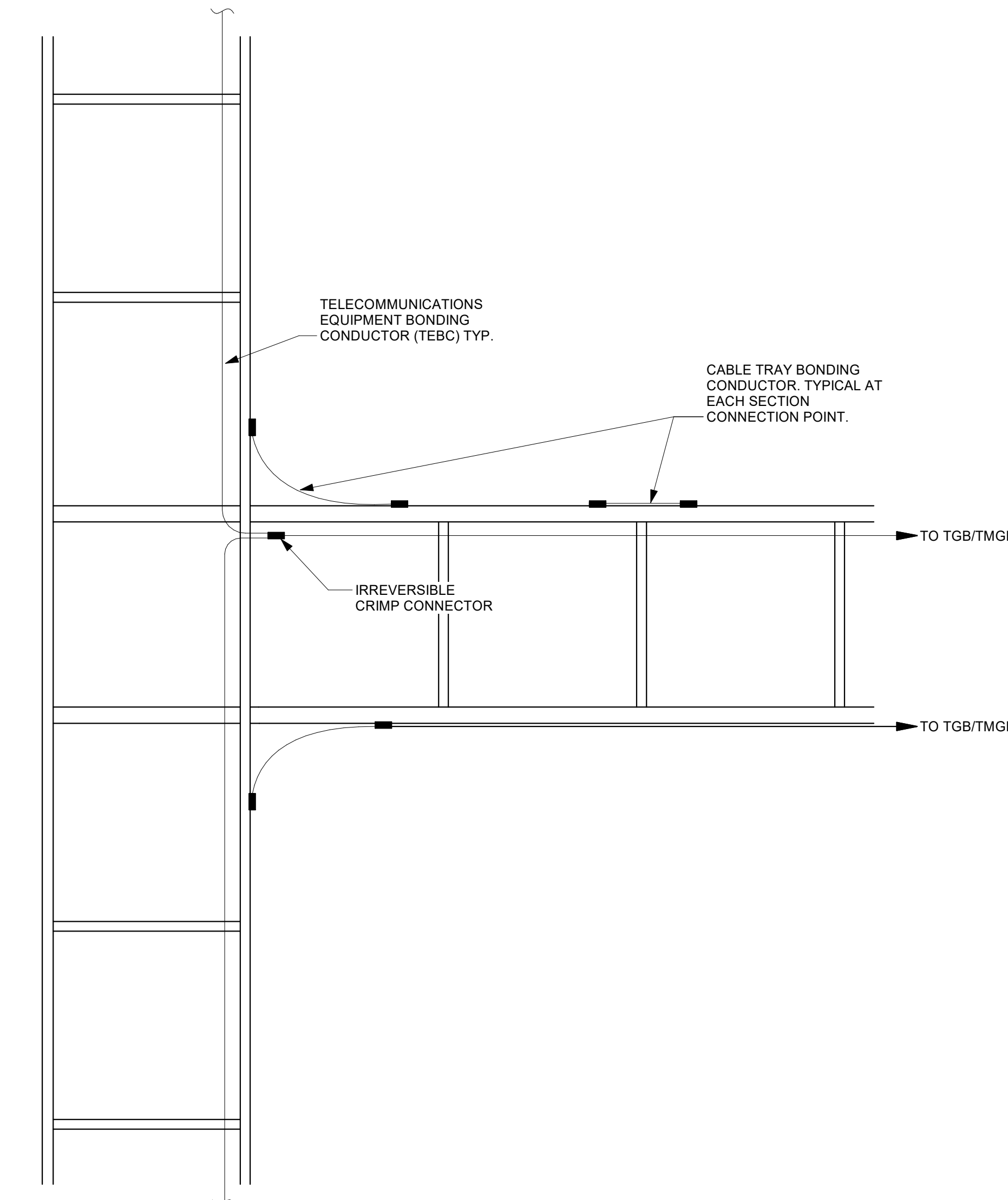
**3 CABLE TRAY BONDING JUMPER**  
T0.02 SCALE:NO SCALE



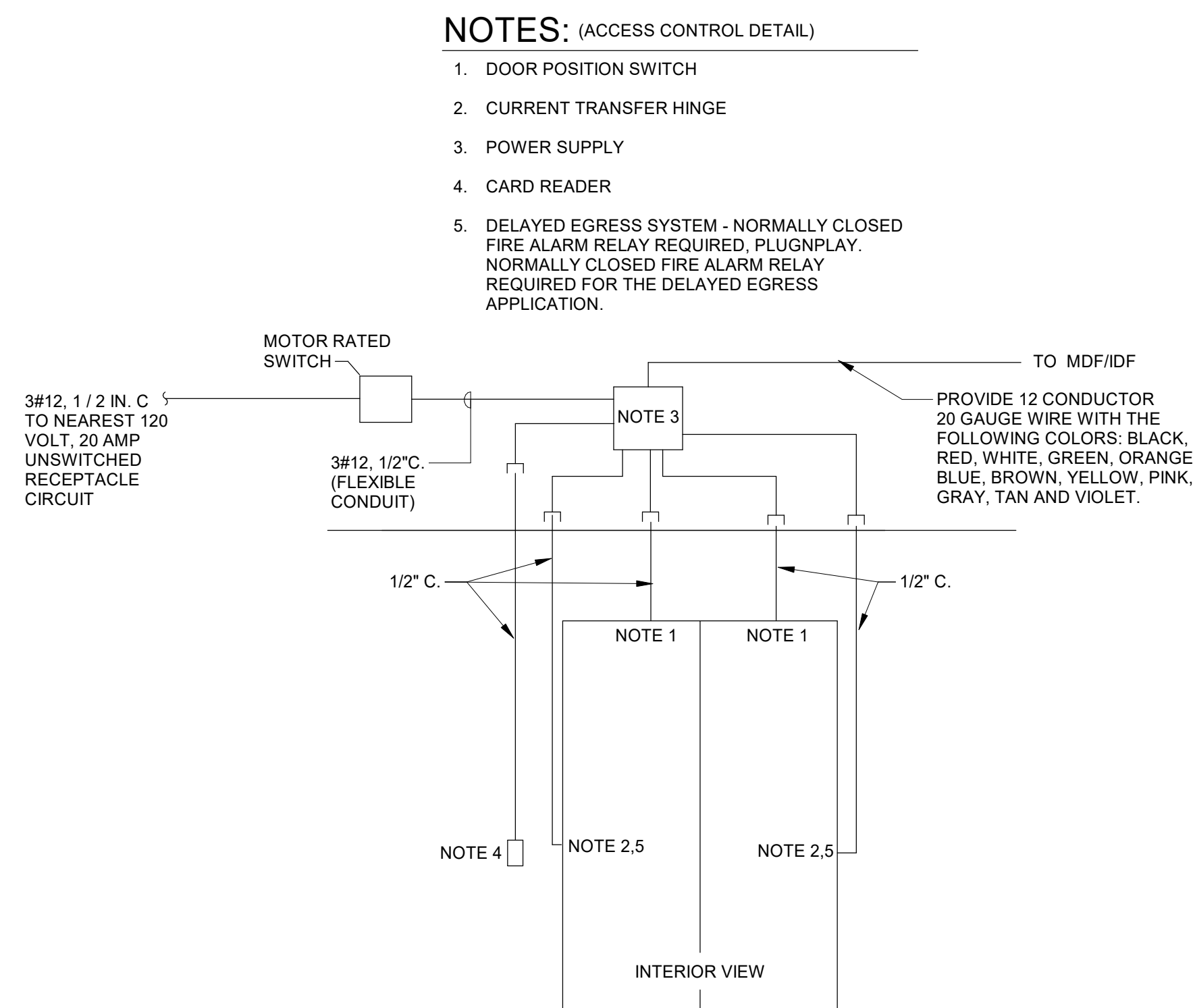
**4 LADDER RACK TRIANGULAR WALL SUPPORT**  
T0.02 SCALE:NO SCALE



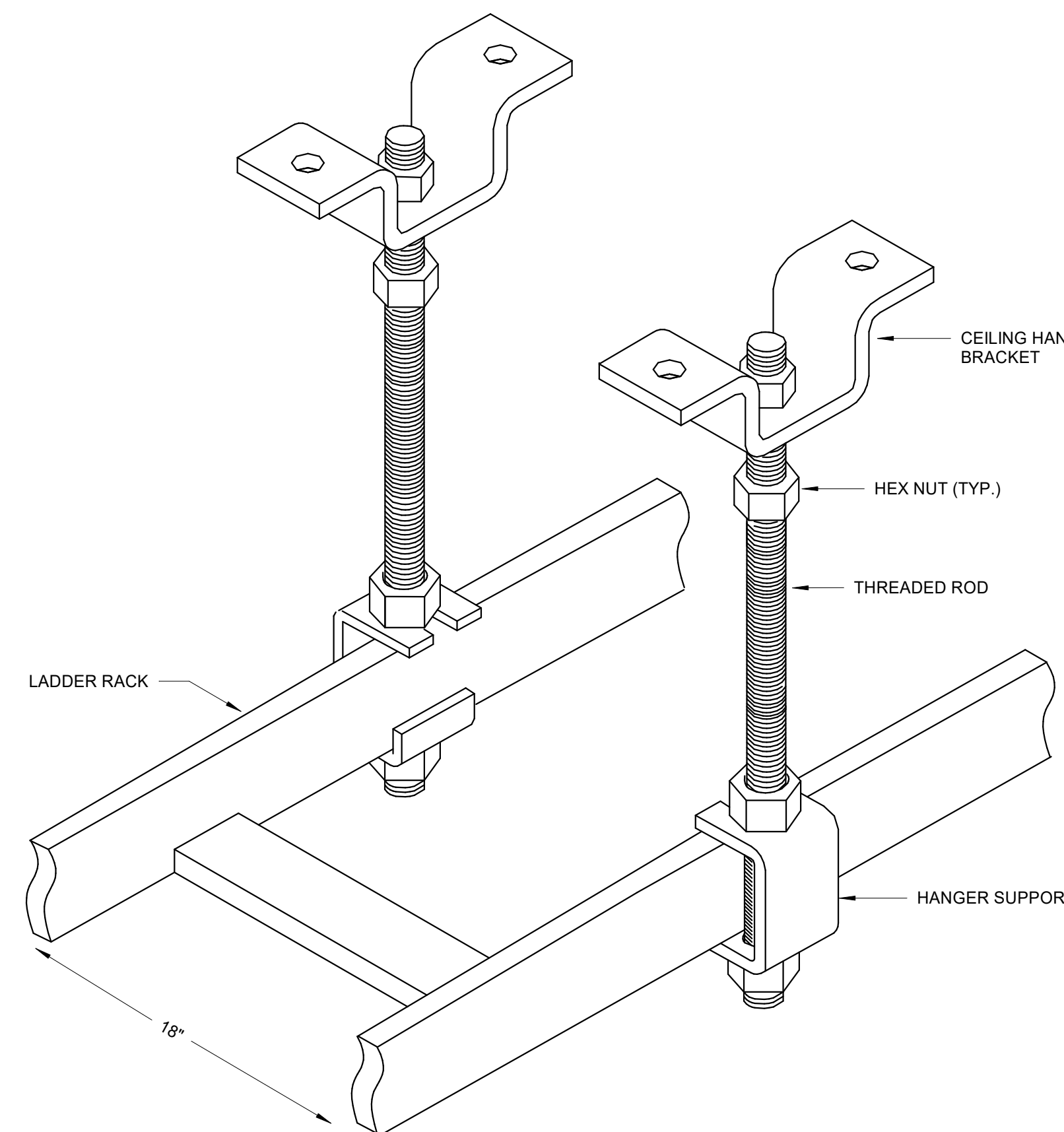
**5 LADDER RACK WALL ANGLE SUPPORT**  
T0.02 SCALE:NO SCALE



**6 CABLE TRAY/LADDER RACK BONDING**  
T0.02 SCALE:NO SCALE



**8 ACCESS CONTROL DOOR DETAIL**  
T0.02 SCALE:NOT TO SCALE



**7 LADDER RACK CEILING SUPPORT**  
T0.02 SCALE:NO SCALE

THIS DRAWING IS INTENDED TO INDICATE CONDUIT INFRASTRUCTURE REQUIREMENT ONLY. COORDINATE EXACT REQUIRED COMPONENTS WITH ARCHITECTURAL DOOR SPECIFICATIONS. PROVIDE ALL CONDUIT AND BOXES FOR COMPLETE ACCESS CONTROL INSTALLATION.



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Established 1958  
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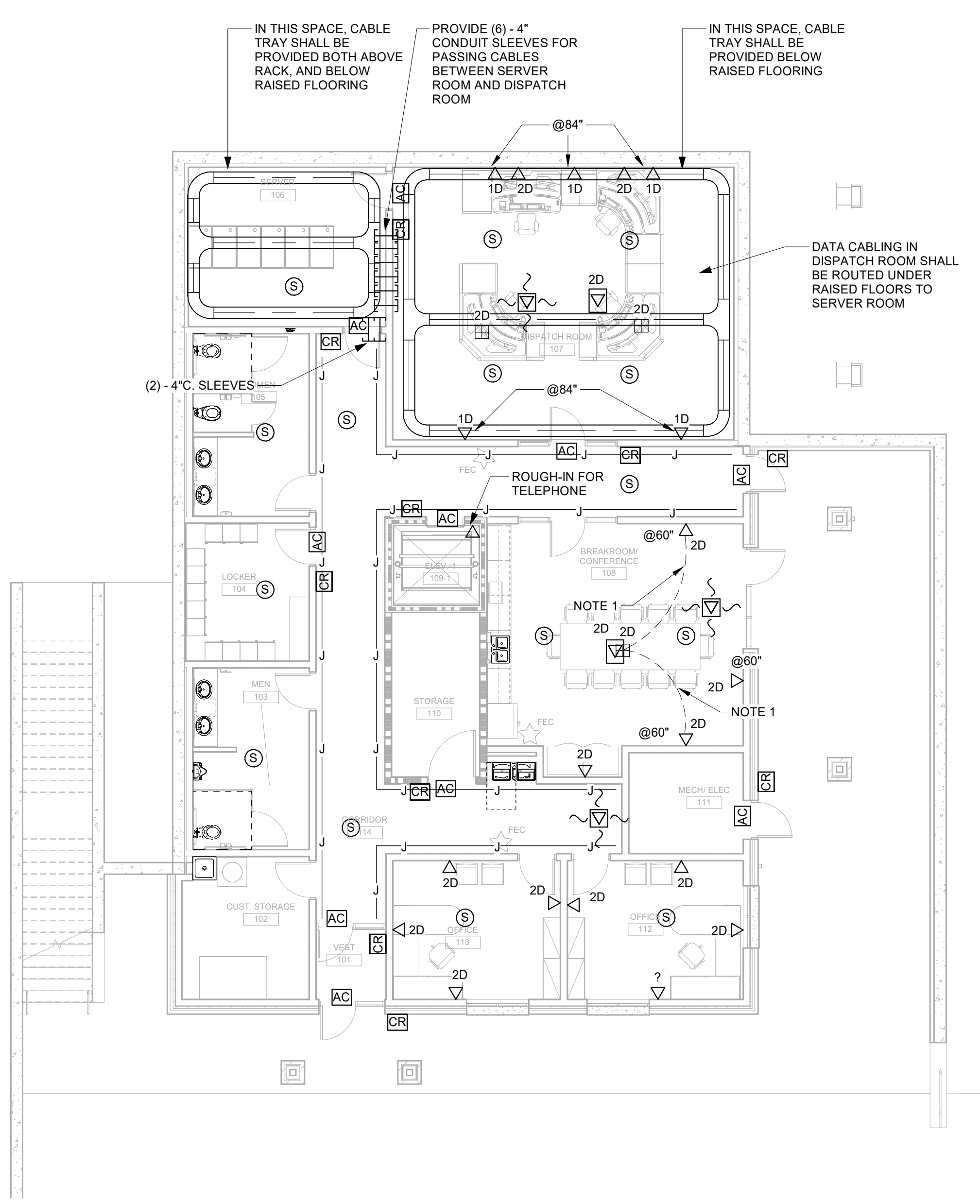
REVISIONS:

NO.	DESCRIPTION

DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE: 12/06/2024		
JOB NO. 624 1109 01		

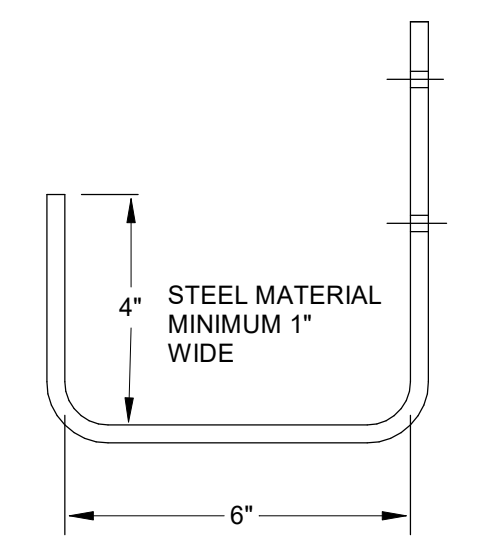
NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
TELECOMMUNICATIONS DETAILS

DRAWING NUMBER  
**T0.02**



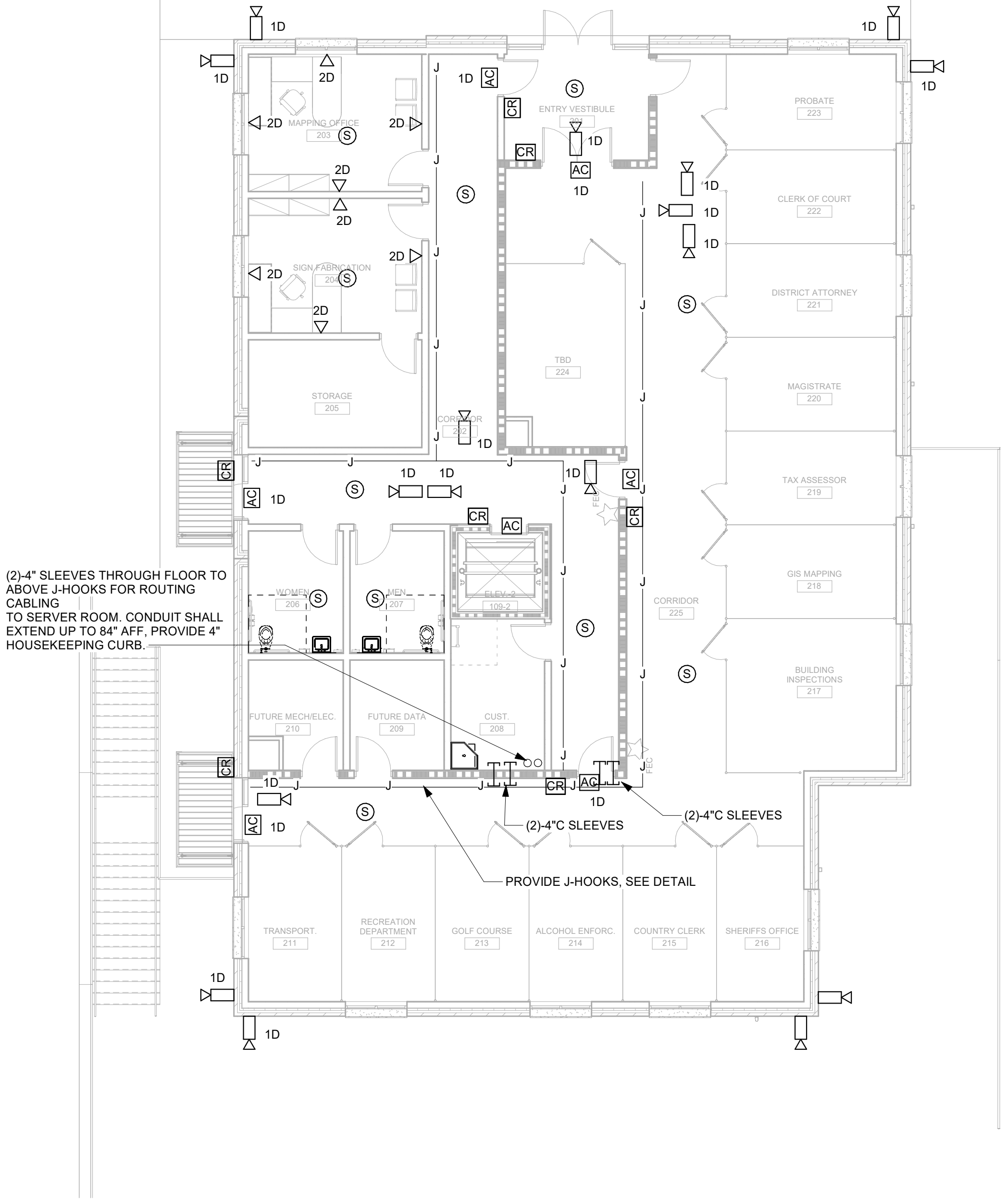
**1 TELECOMMUNICATIONS PLAN - LEVEL 1**  
 T1.01 SCALE: 1/8" = 1'-0"

- NOTES: (J-HOOK DETAIL)**
- A. ALL J-HOOKS SHALL BE SPACED NO MORE THAN 48 INCHES APART AND NO MORE THAN 12 INCHES FROM THE CORNER OF ANY SPACE.
  - B. PROVIDE J-HOOKS NO MORE THAN 12 INCHES AWAY FROM CONDUIT SLEEVES.
  - C. WHERE J-HOOKS ARE 2 OR MORE ROWS, SPACING BETWEEN THE ROWS SHALL BE 12 INCHES.
  - D. CONDUIT SLEEVES SHALL BE AT THE SAME LEVEL AS THE ROWS OF J-HOOKS.
  - E. FIRE SEAL AROUND ALL CONDUIT SLEEVES AS SHOWN IN CONDUIT PENETRATION DETAILS. SEE ARCHITECTURAL SHEET REQUIRED RATINGS.
  - F. COORDINATE THE EXACT LEVEL OF J-HOOKS AND CONDUIT SLEEVES WITH OTHER TRADES PRIOR TO ROUGH-IN.
  - G. J-HOOKS SHALL NOT BE SUPPORTED BY GYPSUM WALL BOARD. J-HOOKS SHALL BE SUPPORTED BY BLOCK WALL OR STUD. SEE ARCHITECTURAL PLAN FOR WALL MATERIALS.
  - H. ALL CABLING SHALL BE NEATLY BUNDLED UTILIZING VELCRO TIE WRAPS AT MINIMUM 8' INTERVALS.
  - I. J-HOOKS SHALL SUPPORT CABLING FOR: INTERCOM, DATA, TELEPHONE, CCTV, INTRUSION AND TELEVISION DISTRIBUTION.
  - J. J-HOOKS SHALL SUPPORT A SINGLE SYSTEM - CABLING SHALL NOT BE INTERMINGLED.
  - K. PROVIDE QUANTITY OF J-HOOKS AS REQUIRED FOR CABLING NOTED ON DRAWINGS. DO NOT EXCEED J-HOOK CAPACITY.



**3 J-HOOK DETAIL**  
 T1.01 SCALE: NOT TO SCALE

- NOTES:**
- 1. EXTEND 1-1/4" W/ PULL STRING FROM FLOOR BOX, UP WALL AND INTO BOTTOM OF TELECOMMUNICATIONS OUTLET FOR FUTURE AV CABLES.



**2 TELECOMMUNICATIONS PLAN - LEVEL 2**  
 T1.01 SCALE: 1/8" = 1'-0"

REVISIONS:


DESIGNED	DRAWN	CHECKED
Designer	HJC	WOW
DATE: 12/06/2024		
JOB NO. 624 1109 01		

NEW 911 CENTER FOR UNION COUNTY  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
 FLOOR PLAN - TELECOMMUNICATION SYSTEMS

DRAWING NUMBER  
**T1.01**

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ITEM	DESCRIPTION	MINIMUM CONNECTION SIZE (INCHES)				MOUNTING HEIGHT REMARKS (ABOVE FLOOR)
		HOT WATER	COLD WATER	WASTE	VENT	
P-1A	WATER CLOSET	---	1"	3"	1-1/2"	15" RIM HT.
P-1B	WATER CLOSET - H.C.	---	1"	3"	1-1/2"	18" RIM HT.
P-2	URINAL - H.C.	---	3/4"	2"	1-1/2"	17" RIM HT.
P-3A	LAVATORY - H.C.	1/2"	1/2"	1-1/4"	1-1/2"	DROP-IN COUNTERTOP / SINGLE LEVER FAUCET
P-3B	LAVATORY - H.C.	1/2"	1/2"	1-1/4"	1-1/2"	3/4" RIM HT. / SINGLE LEVER FAUCET
P-4	MOP SINK	1/2"	1/2"	3"	1-1/2"	FLOOR MTD. / 3/8" FAUCET HT.
P-5	BREAKROOM SINK	1/2"	1/2"	1-1/2"	1-1/2"	COUNTERTOP
P-6	CONDENSATE BOX	---	---	2"	1-1/2"	42" BOX HT.
EW-1	BILEVEL ELECTRIC WATER COOLER - H.C.	---	1/2"	1-1/2"	1-1/2"	42" & 3/4" ORIFICE HTS.

ITEM	CAPACITY	RECOVERY RATE	FIRST HOUR RATING	FUEL	ELECTRICAL CHARACTERISTICS	LOCATION	REMARKS
WH-1	40 GALLONS STORAGE 6.0 KW INPUT	24 GPH @ 100°F RISE	---	ELEC.	SEE ELECTRICAL DWGS.	CUST. STORAGE 102	NON-SIMULTANEOUS ELEMENTS

HAMMER ARRESTOR SCHEDULE		
ITEM	POI UNIT	FIXTURE UNIT
HA	A	1-11
HA	B	12-32

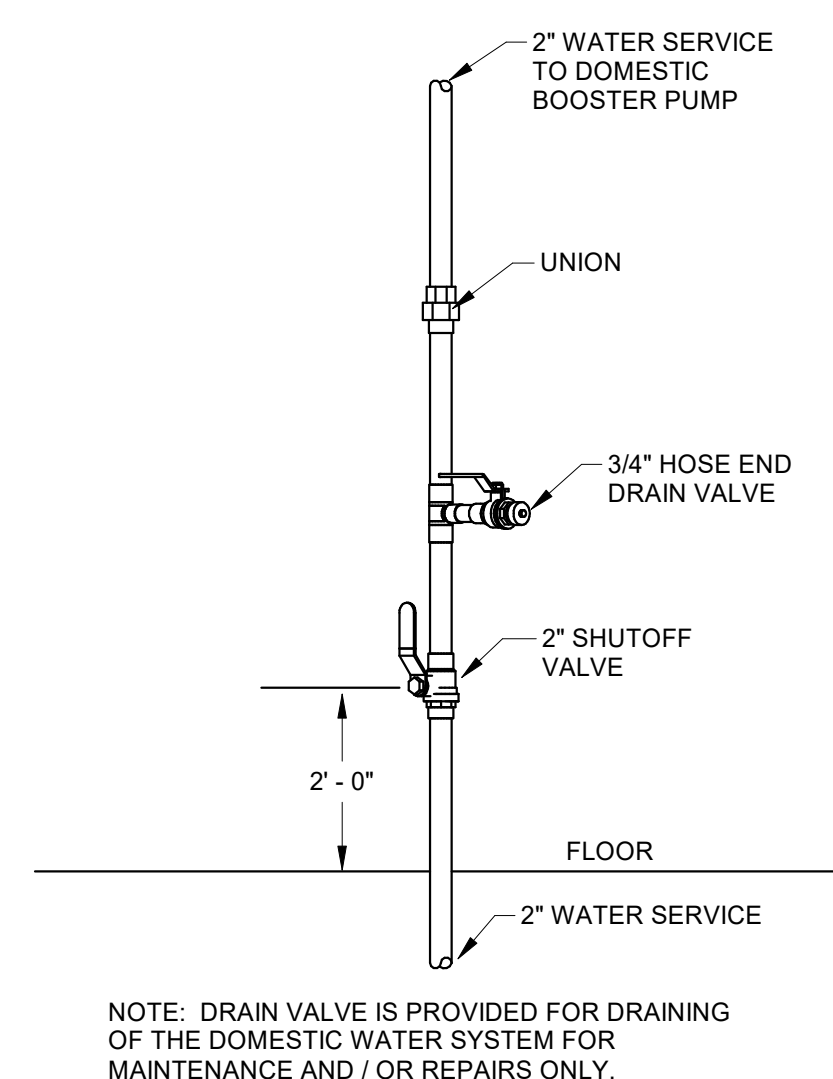
PUMP SCHEDULE							
PUMP No.	SERVICE	HP	GPM	DISCH HEAD (FT)	WATER HEATER	ELECTRICAL DATA	REMARKS
BP-1	DOMESTIC WATER BOOSTER	5	60	162	---	SEE ELECTRICAL DWGS.	VARIABLE SPEED DUPLEX PUMPS
HWCP-1	HOT WATER CIRCULATION	1/3	2.0	10	WH-1	SEE ELECTRICAL DWGS.	CONTROLLED BY AQUASTAT
SP-1	SUMP PUMP	1/2	50	14	---	SEE ELECTRICAL DWGS.	ELEVATOR SUMP PUMP W OIL MONITORING SYSTEM

### GENERAL PLUMBING NOTES

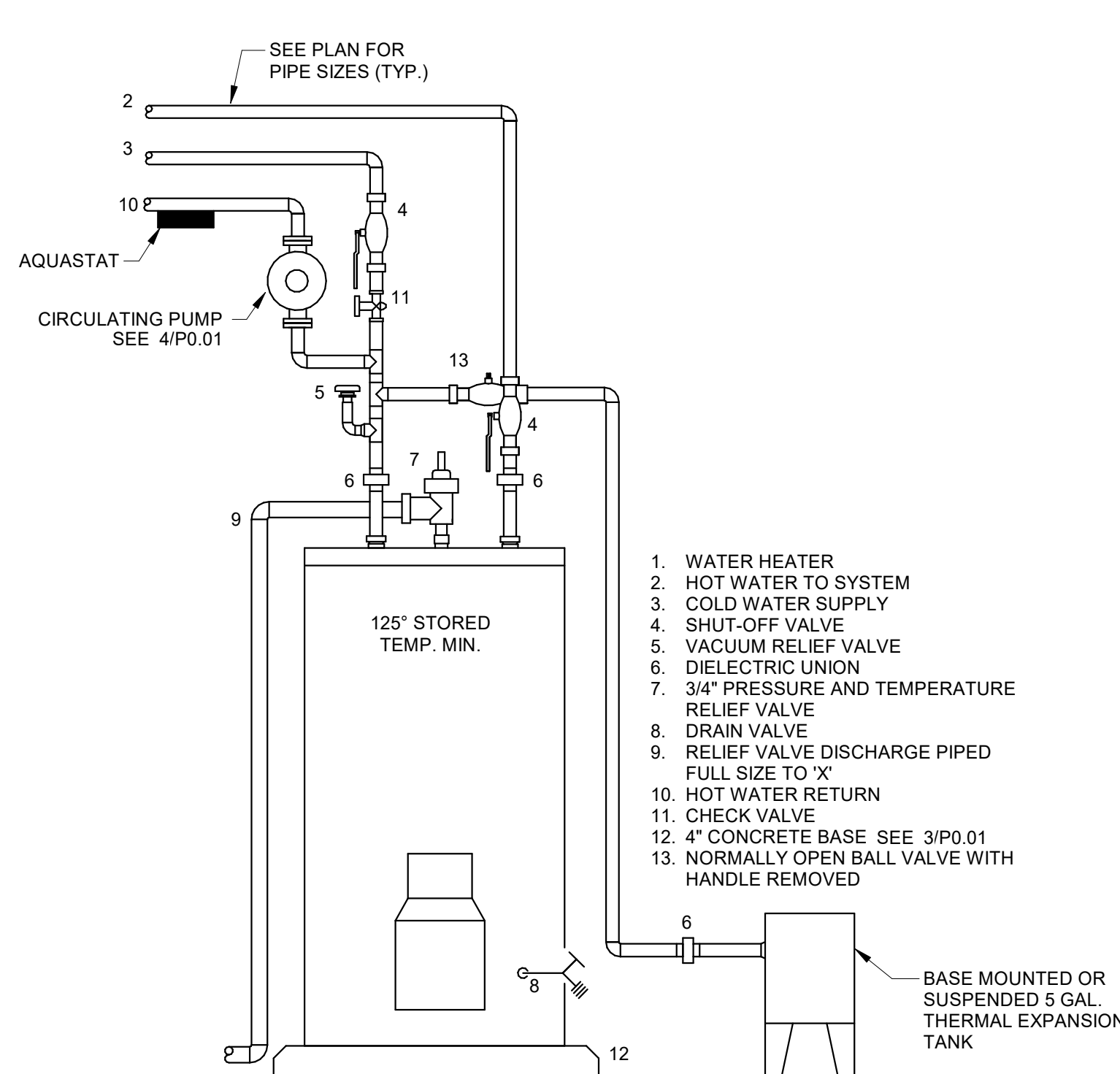
- ALL SITE UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. VERIFY EXACT LOCATION AND INVERT ELEVATION IN FIELD BEFORE BEGINNING WORK.
- ALL SUSPENDED PIPING SHALL BE SUPPORTED FROM FLOOR AND/OR ROOF STRUCTURAL MEMBERS. IN NO CASE SHALL PIPING BE SUSPENDED FROM FLOOR OR ROOF DECK LESS THAN 4" THICK CONCRETE.
- FIRE STOP ALL PENETRATIONS OF FIRE RATED ASSEMBLIES. REFER TO ARCHITECTURAL DRAWINGS FOR ASSEMBLY RATINGS.
- PIPING INSTALLED IN PLENUM SPACES SHALL MEET ASTM E-84, ASTM E-136, AND UL 723 STANDARDS FOR FLAME SPREAD AND SMOKE GENERATION. COORDINATE PLENUM LOCATIONS WITH MECHANICAL CONTRACTOR.
- COORDINATE ALL WORK WITH OTHER TRADES.
- PROVIDE IN-LINE TRAP SEAL DEVICES ON ALL FLOOR DRAINS NOT PROVIDED WITH TRAP PRIMERS.
- PROVIDE DRAIN VALVES AT ALL LOW POINTS IN ALL WATER PIPING SYSTEMS.
- PIPING FROM TRAP PRIMERS TO DRAINS INSTALLED BELOW FLOOR SLAB SHALL BE TYPE L SOFT COPPER TUBING WITH NO JOINTS BELOW THE SLAB.
- ALL WATER VENT, STORM, OVERFLOW, COMPRESSED AIR, AND GAS PIPING SHALL BE INSTALLED ABOVE THE CEILING UNLESS NOTED OTHERWISE.
- ALL SOIL AND WASTE PIPING SHALL BE INSTALLED BELOW THE FLOOR UNLESS NOTED OTHERWISE.
- PROVIDE CLEANOUTS AT THE BASE OF ALL STORM DRAIN RISERS AND ALL SOIL AND WASTE PIPING OVER ONE STORY IN HEIGHT. ALL WALL CLEANOUTS SHALL BE INSTALLED AT 18" ABOVE FINISHED FLOOR.
- WALL HYDRANTS SHALL BE MOUNTED 1'-6" ABOVE FINISHED GRADE.
- HOSE BIBS SHALL BE MOUNTED 1'-6" ABOVE FINISHED FLOOR.
- LOCATE ALL DRAINAGE PIPING AND CLEANOUTS CENTERED IN CORRIDORS UNLESS NOTED OTHERWISE. COORDINATE THE LOCATIONS OF CLEANOUTS WITH FLOOR PATTERN. ALL CLEANOUTS AT THE EXIT OF CORRIDORS SHALL BE TWO-WAY CLEANOUTS.
- ROUTE DRAIN AND HOT WATER SUPPLY PIPING TO UNDERCOUNTER DISHWASHERS FROM ADJACENT SINKS.
- ALL VENT TERMINALS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY DOOR, OPERABLE WINDOW, OR FRESH AIR INTAKE.
- WHERE MOUNTING HEIGHTS OF FIXTURES CONFLICT WITH THE FIXTURE HEIGHTS ON THE ARCHITECTURAL DRAWINGS, THE HEIGHTS SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE.

### PLUMBING LEGEND

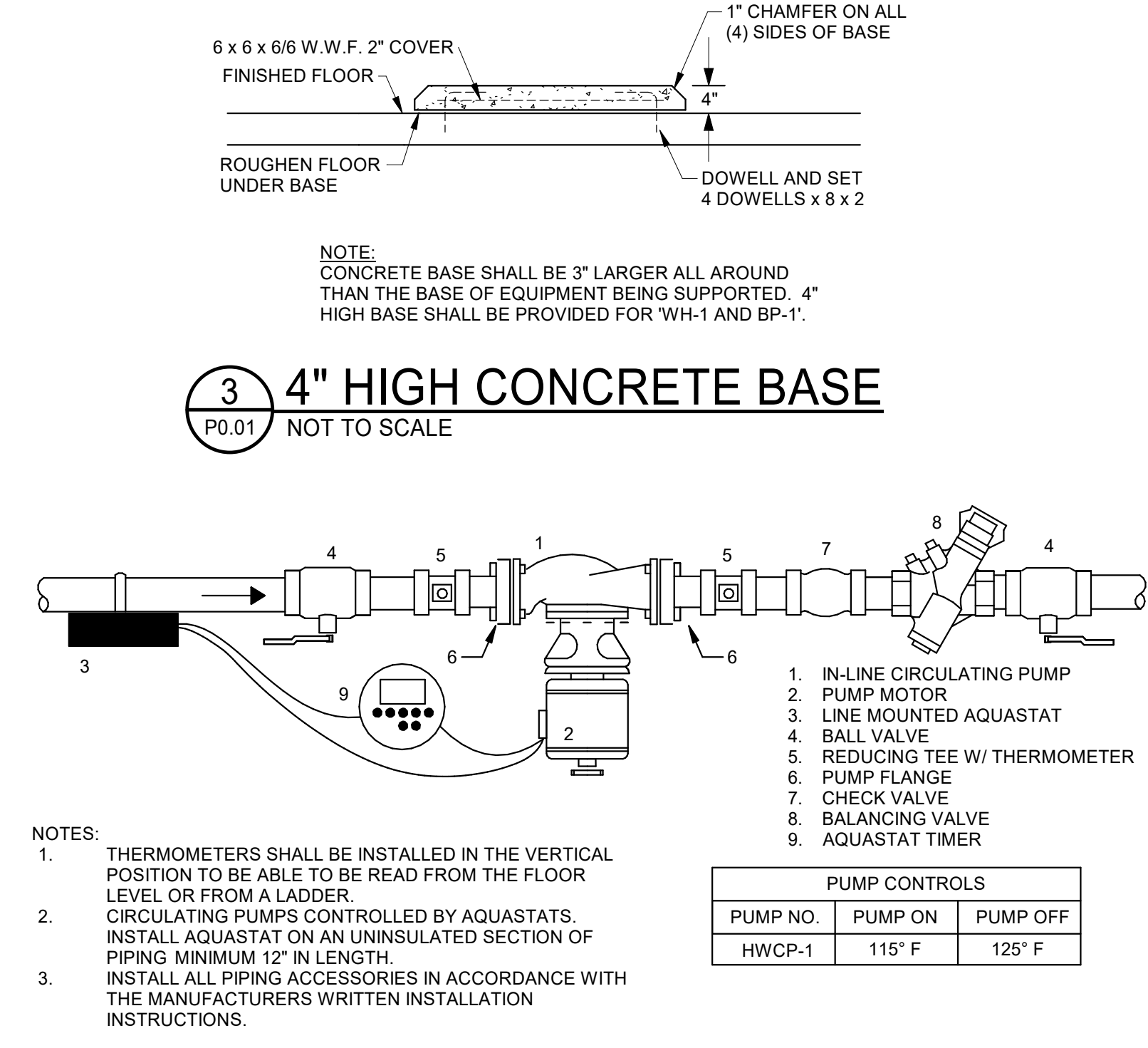
ABBREVIATION	SYMBOL	DESCRIPTION
HWR	---	HOT WATER RETURN PIPING
H	---	HOT WATER PIPING
C	---	COLD WATER PIPING
G	---	GAS PIPING
CA	---	COMPRESSED AIR PIPING
ST	---	STORM DRAIN PIPING (ABOVE GROUND)
ST	---	STORM DRAIN PIPING (BELOW GROUND)
OF	---	OVERFLOW DRAIN PIPING
W	---	SOIL AND WASTE PIPING
V	---	VENT PIPING
GW	---	GREASE WASTE DRAIN PIPING
	⊘	SOLENOID VALVE
	⊘	SHUTOFF VALVE
	⊘	CHECK VALVE
	⊘	THERMOSTATIC BALANCING VALVE
HB/E	⊘	HOSE BIB (WALL BOX) FREEZE PROOF
HB/B	⊘	HOSE BIB (WALL BOX) NON-FREEZE PROOF
HB/R	⊘	ROOF HYDRANT FRIEZE PROOF
HB/I	⊘	HOSE BIB (INTERIOR)
WCO	⊘	WALL CLEANOUT
FCO	⊘	FLOOR CLEANOUT
GCO	⊘	GRADE CLEANOUT
RD-''	⊘	ROOF DRAIN - TYPE
FD-''	⊘	FLOOR DRAIN - TYPE
FS-''	⊘	FLOOR SINK - TYPE
DSN	⊘	DOWNSPOUT NOZZLE
HA-''	⊘	WATER HAMMER ARRESTER - TYPE
	⊘	CONNECT TO EXISTING
VTR	⊘	VENT THROUGH ROOF
VTS	⊘	VENT THROUGH SIDEWALL
HWCP	⊘	HOT WATER RECIRCULATING PUMP
WH	⊘	WATER HEATER
AC	⊘	AIR COMPRESSOR
RAD	⊘	REFRIGERATED AIR DRYER
AFF	⊘	ABOVE FINISHED FLOOR
AFG	⊘	ABOVE FINISHED GRADE
B/F	⊘	BELOW FLOOR
A/C	⊘	ABOVE CEILING
U/G	⊘	UNDER GROUND
I.E.	⊘	INVERT ELEVATION
GPM	⊘	GALLONS PER MINUTE
GPH	⊘	GALLONS PER HOUR
TYP.	⊘	TYPICAL
T-P	⊘	TRAP PRIMER
PSI	⊘	POUNDS PER SQUARE INCH
CFH	⊘	CUBIC FEET PER HOUR
W.C.	⊘	WATER COLUMN
ARCH.	⊘	ARCHITECTURAL
DWGS.	⊘	DRAWINGS



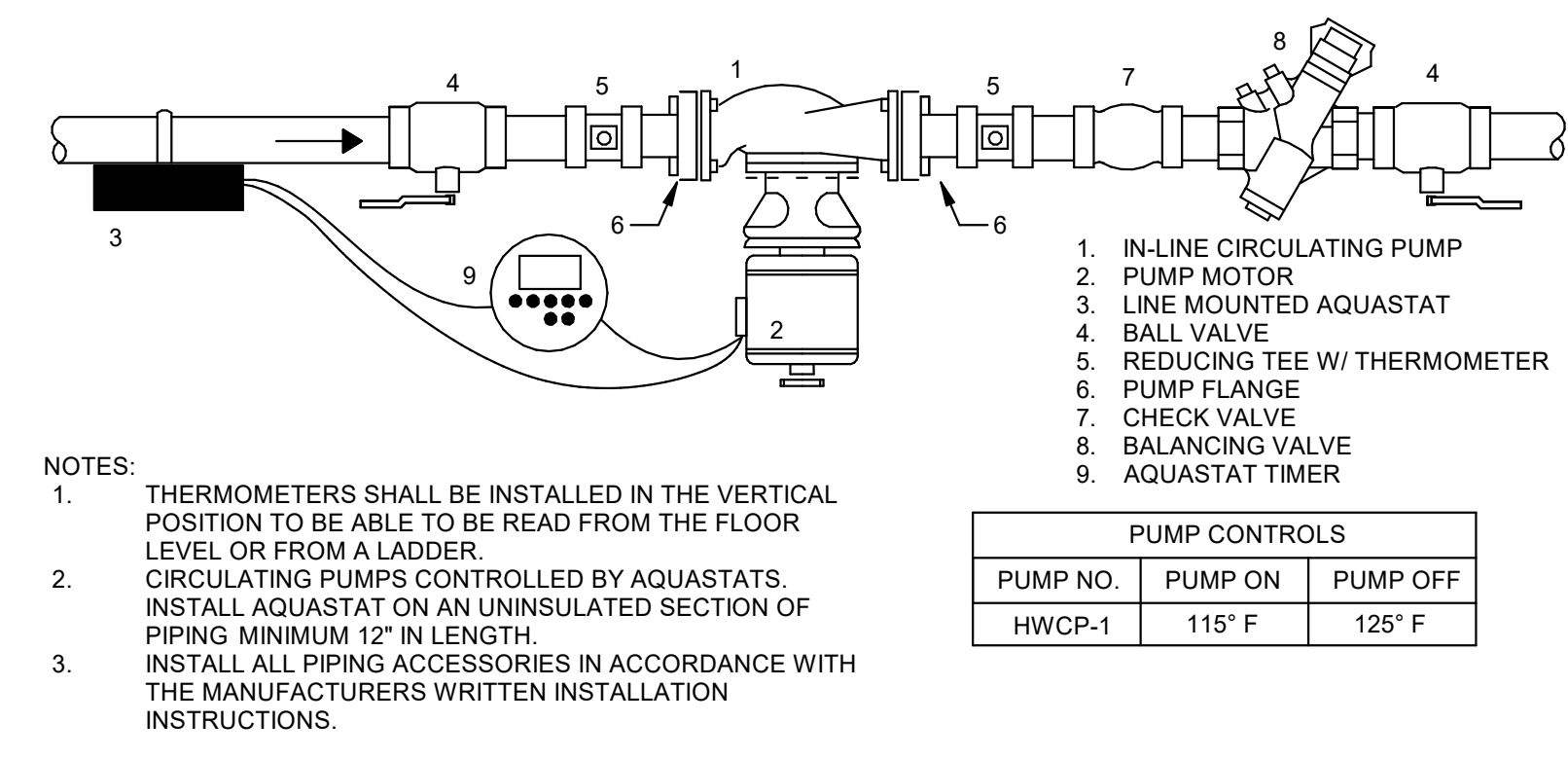
**1 WATER SERVICE RISER DETAIL**  
P0.01 NOT TO SCALE



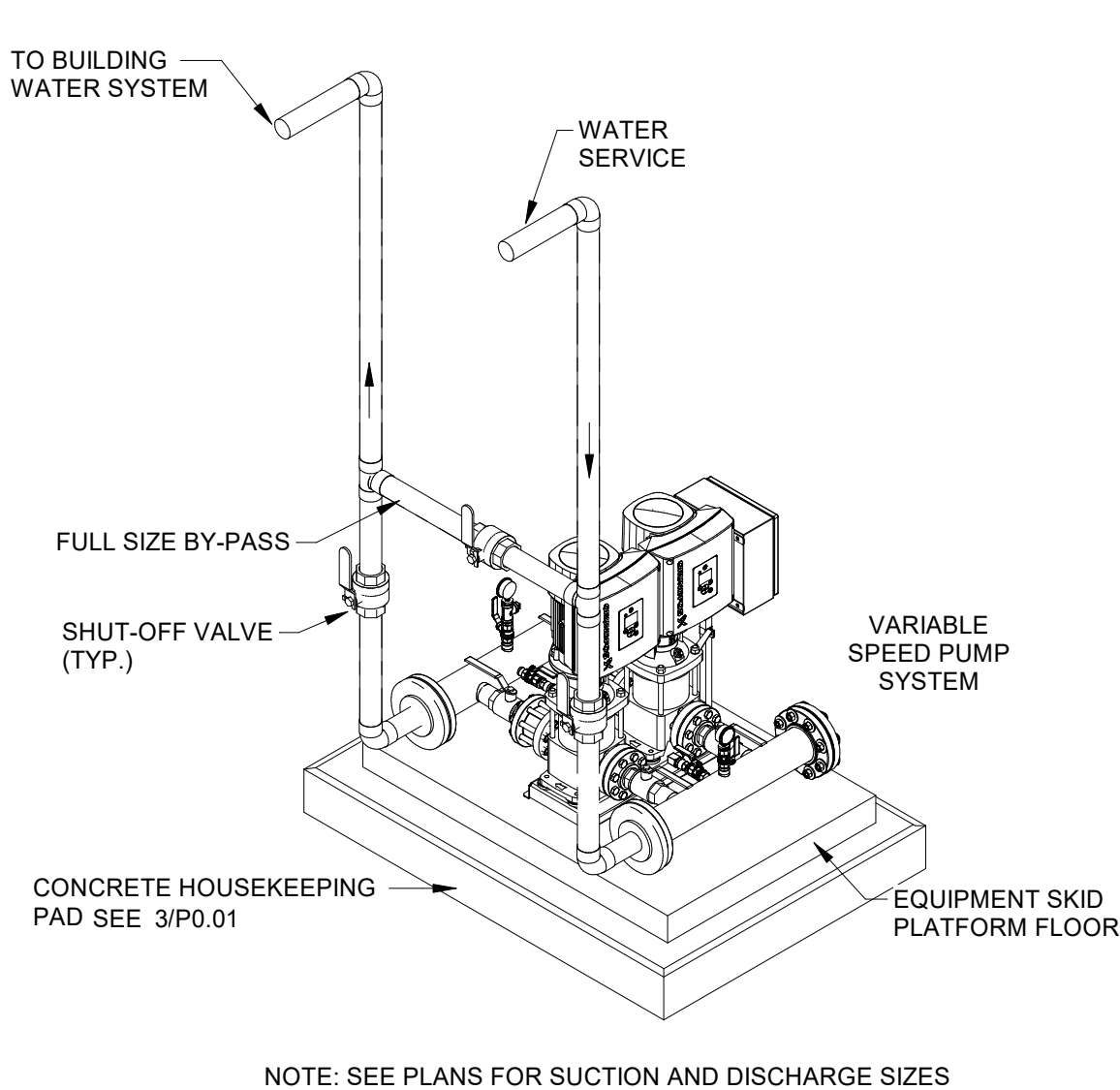
**2 ELECTRIC WATER HEATER DETAIL**  
P0.01 NOT TO SCALE



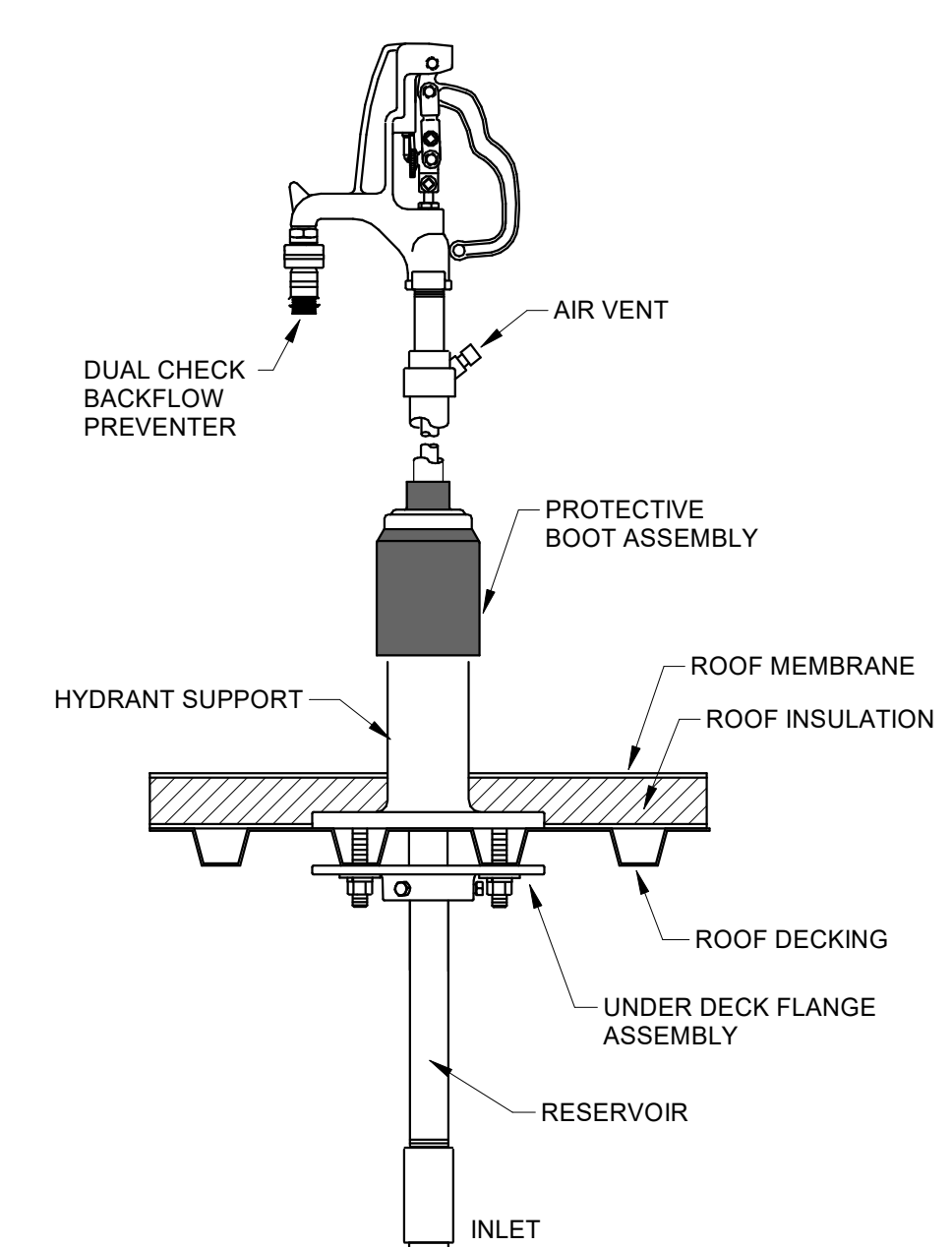
**3 4" HIGH CONCRETE BASE**  
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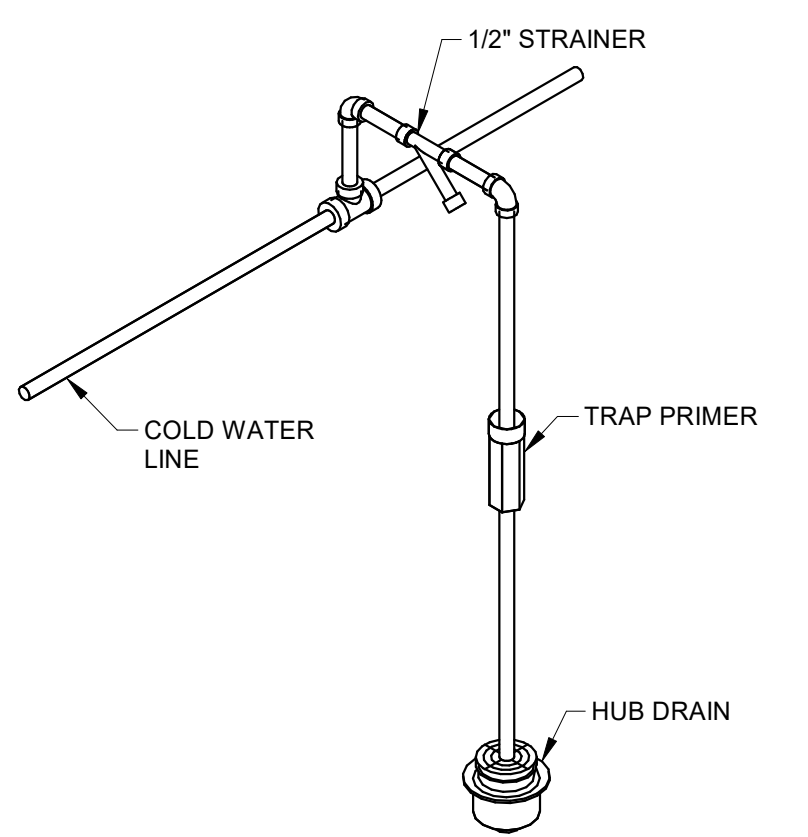
**4 IN-LINE CIRCULATING PUMP**  
P0.01 NOT TO SCALE



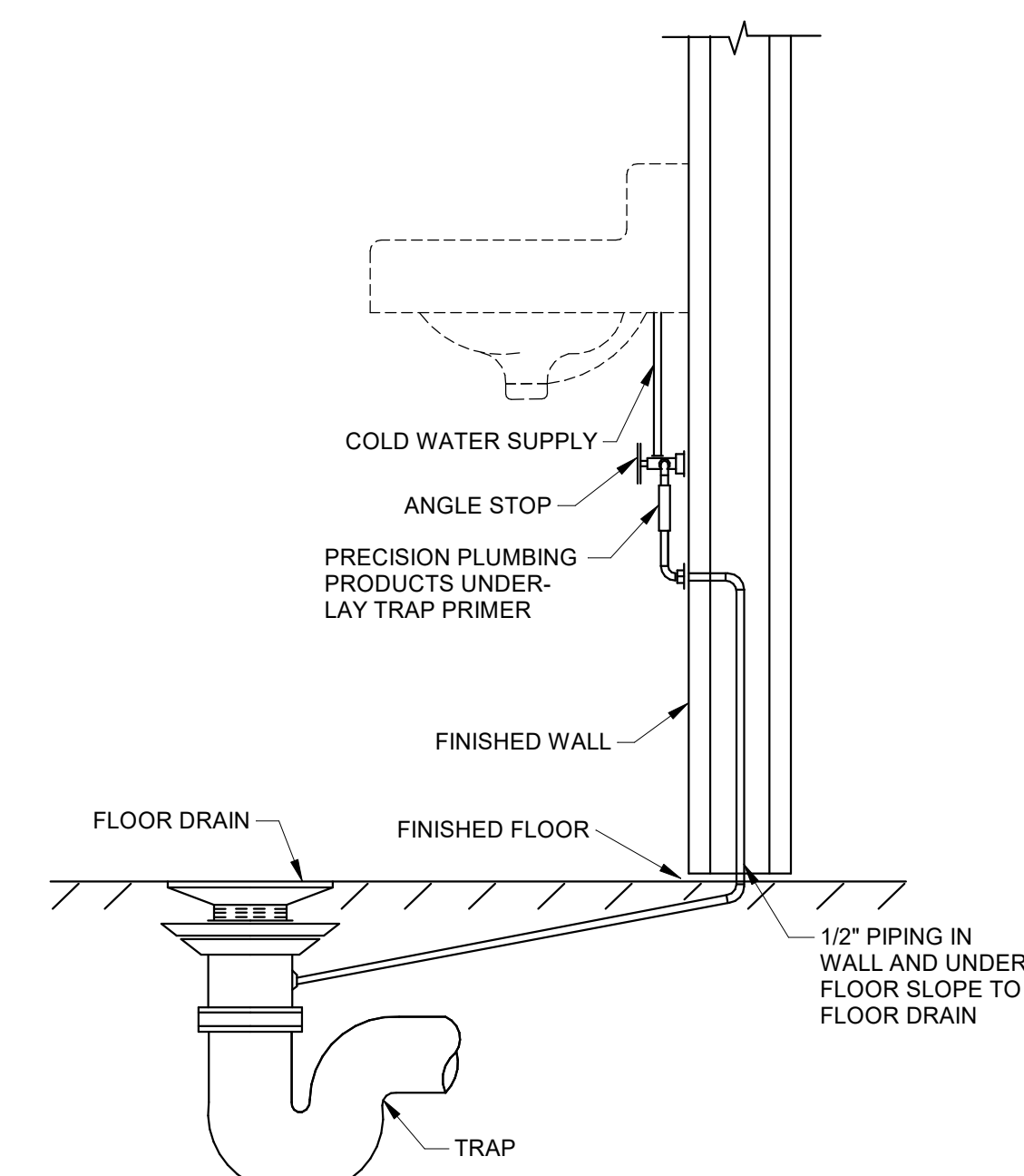
**5 DOMESTIC BOOSTER PUMP DETAIL**  
P0.01 NOT TO SCALE



**6 ROOF HYDRANT DETAIL**  
P0.01 NOT TO SCALE



**7 TRAP PRIMER DETAIL**  
P0.01 NOT TO SCALE



**8 FD TRAP PRIMER TYPICAL INSTALLATION DETAIL**  
P0.01 NOT TO SCALE



**HUSSEY GAY BELL**  
Established 1958  
3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096, T: 770.923.1600

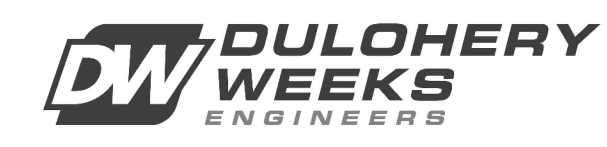
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NEW 911 CENTER FOR UNION COUNTY  
UNION COUNTY  
507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
PLUMBING LEGEND & SCHEDULES

DRAWING NUMBER

**P0.01**

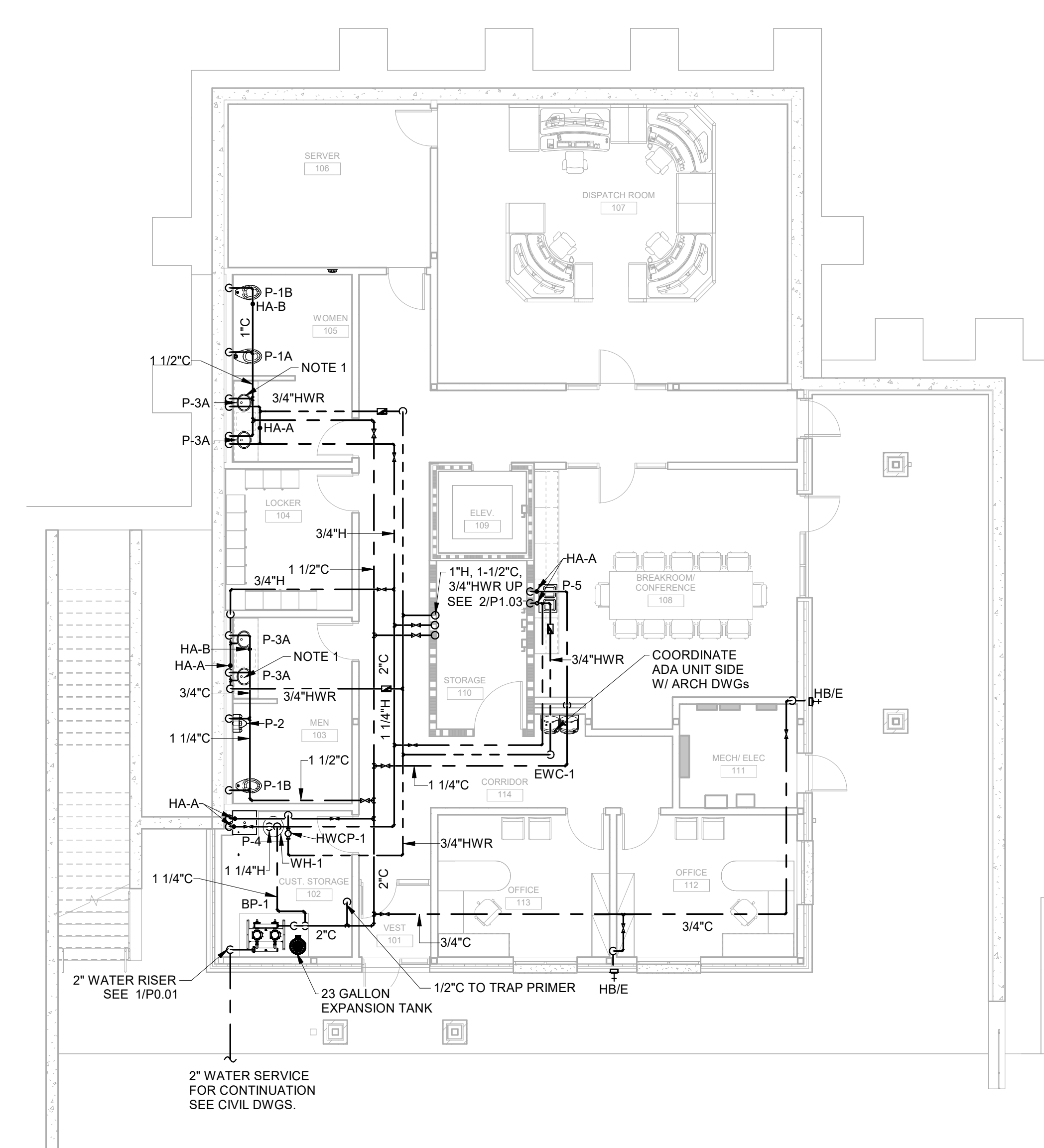




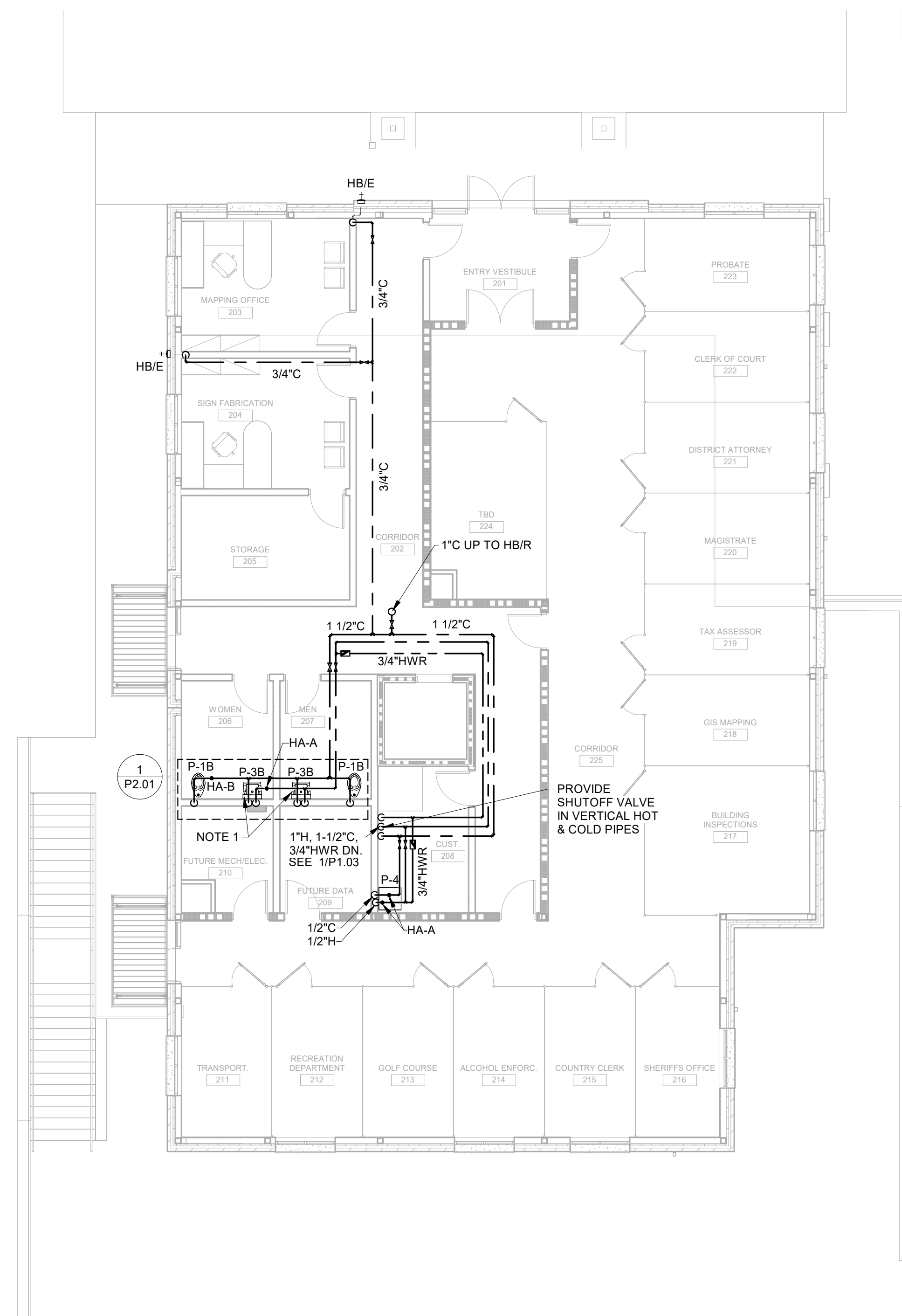




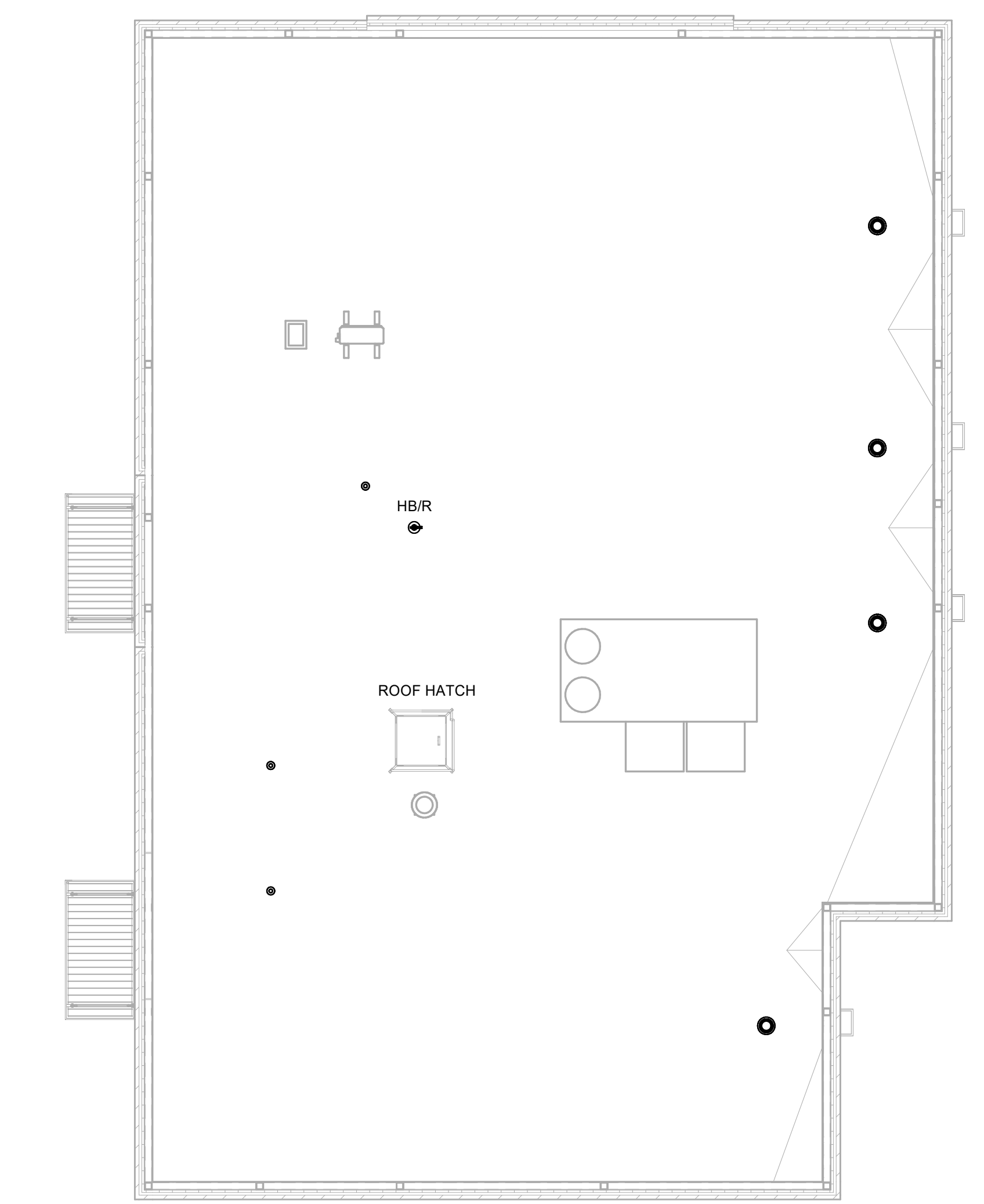
**HUSSEY GAY BELL**  
 — Established 1958 —  
 3100 Breckinridge Blvd., Building 300, Duluth, Georgia 30096. T: 770.923.1600



**1 HOT & COLD WATER PLAN - LEVEL 1**  
 SCALE: 1/8" = 1'-0"



**2 HOT & COLD WATER PLAN - LEVEL 2**  
 SCALE: 1/8" = 1'-0"



**3 HOT & COLD WATER PLAN - ROOF**  
 SCALE: 1/8" = 1'-0"

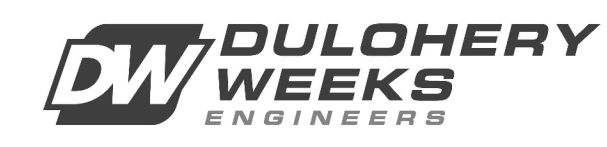
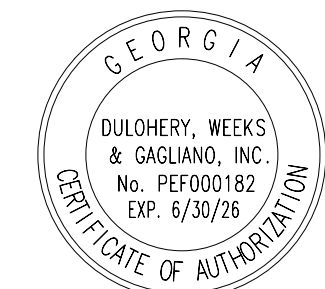
REVISIONS

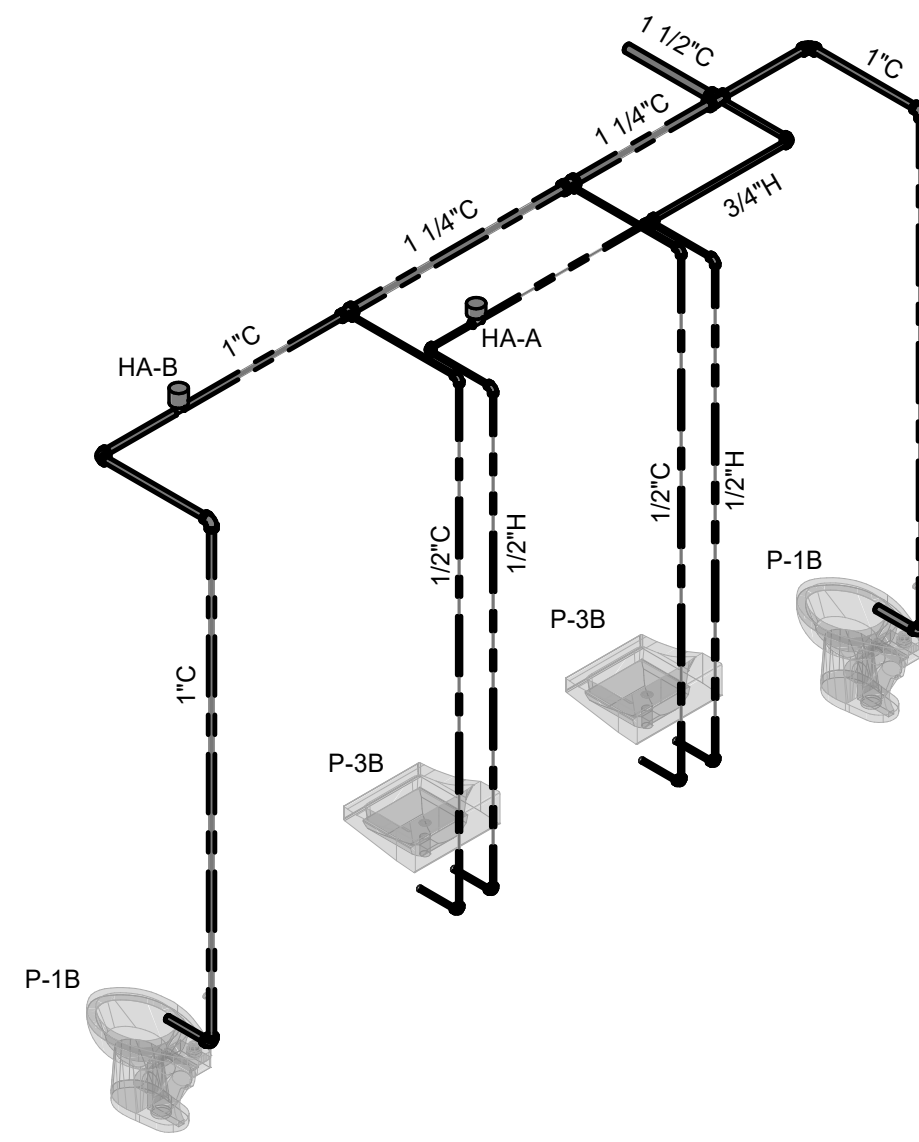
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
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DATE: 12/06/2024		
JOB NO. 624 1109 01		

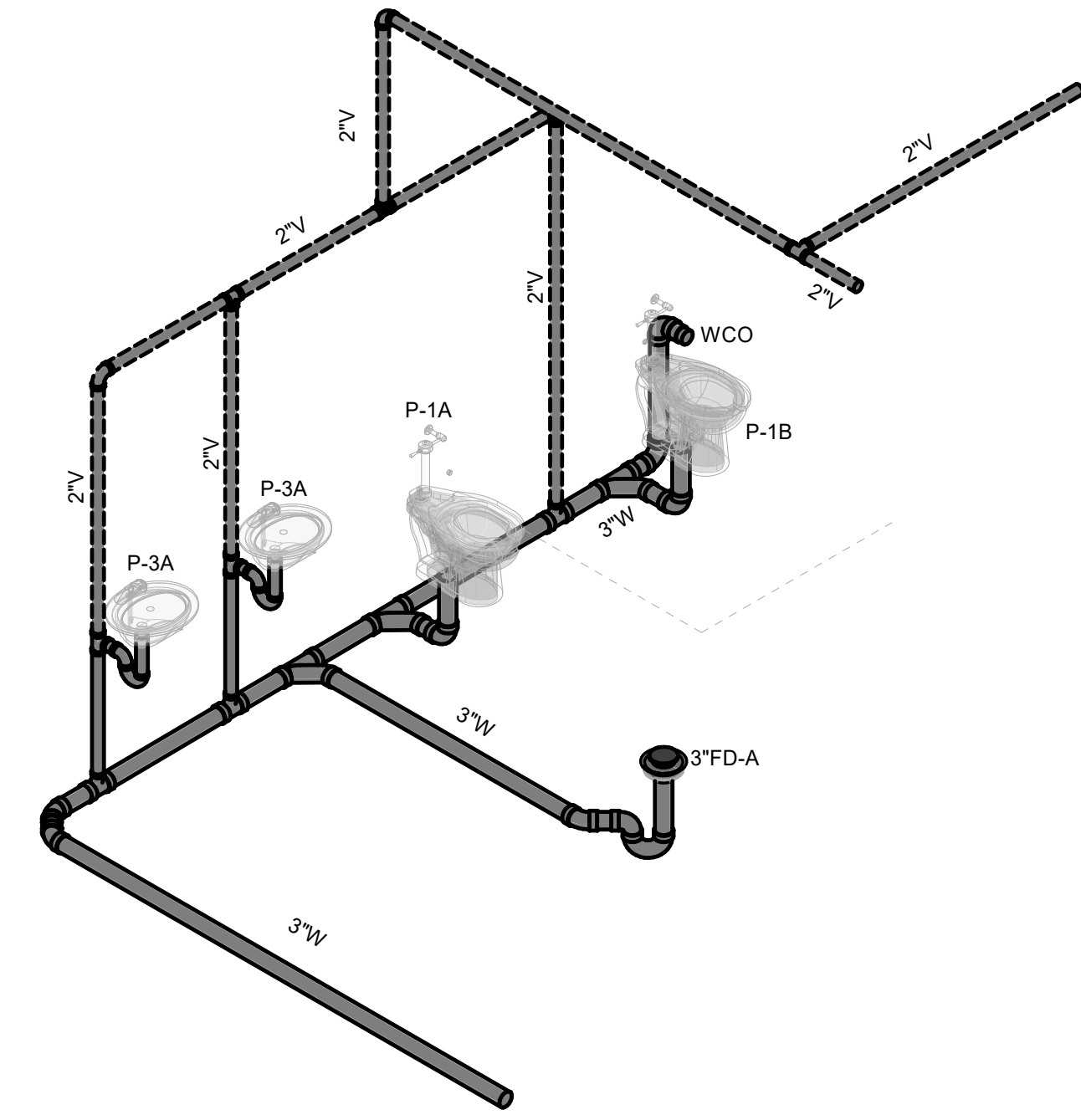
NEW 911 CENTER FOR UNION COUNTY  
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 HOT & COLD WATER PLANS

DRAWING NUMBER  
**P1.03**

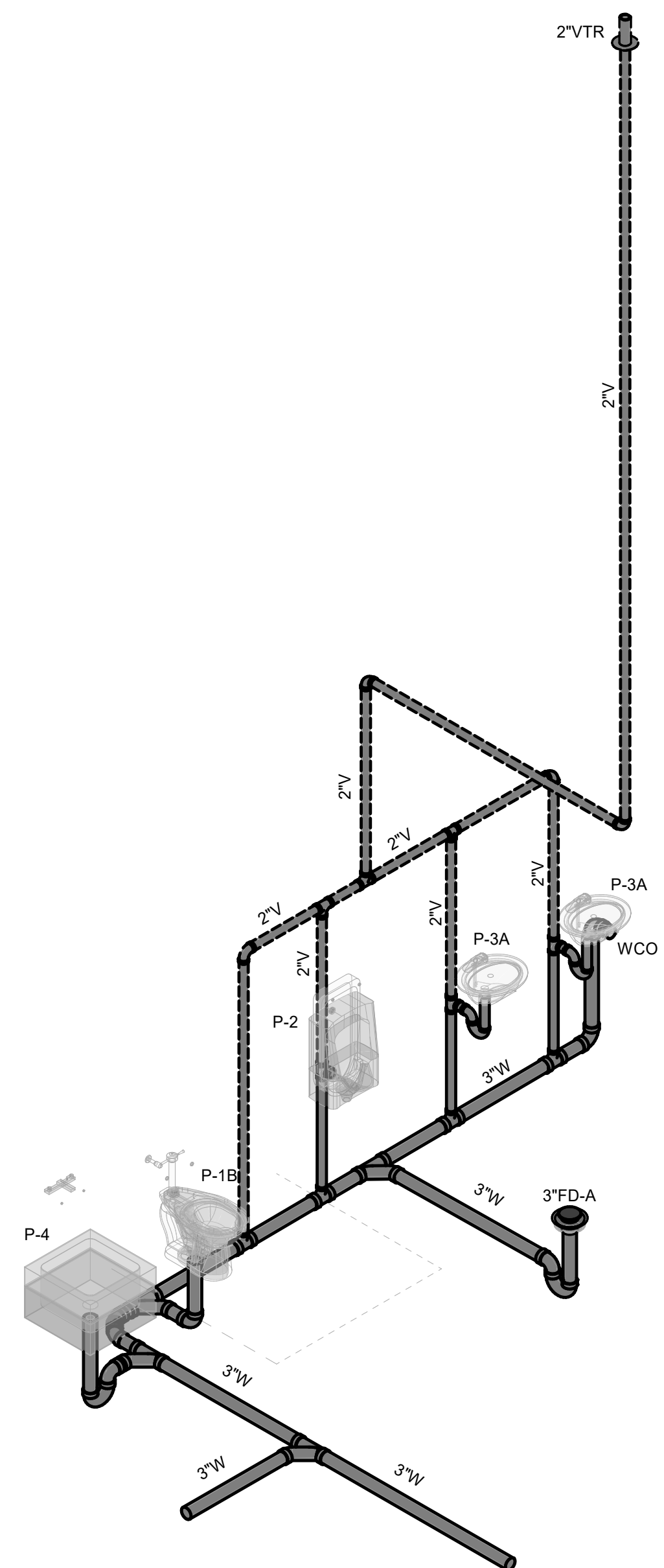




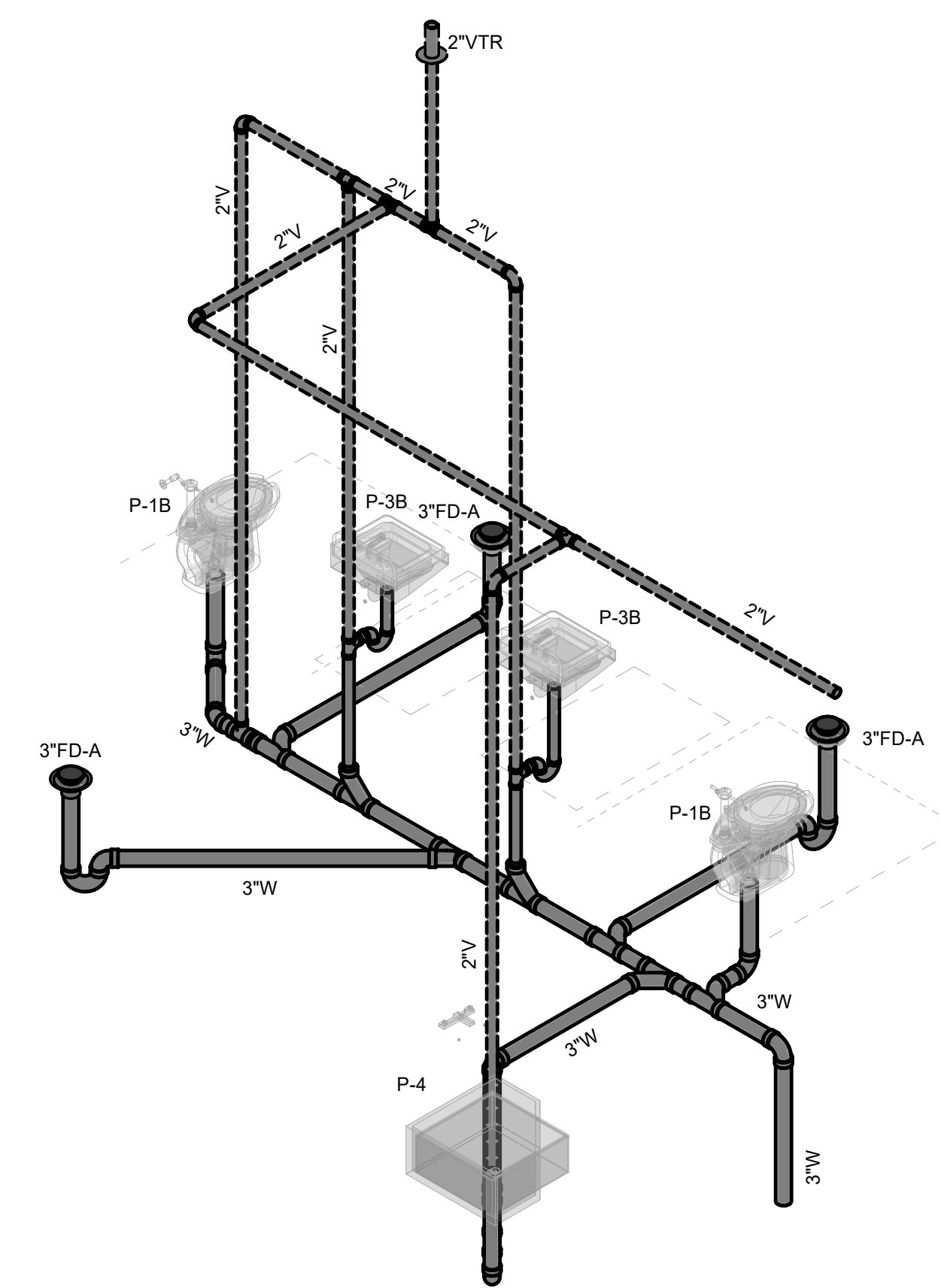
**1 WATER RISER 1**  
 P2.01 SCALE:



**2 DRAINAGE & VENT RISER 1**  
 P2.01 SCALE:

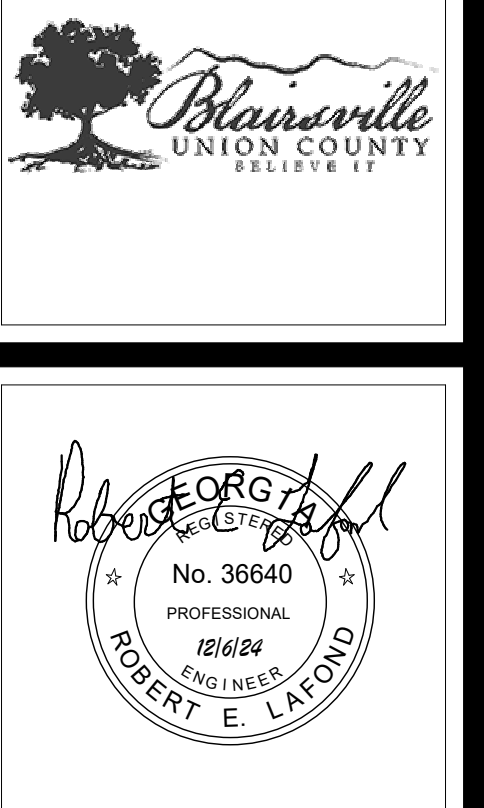


**3 DRAINAGE & VENT RISER 2**  
 P2.01 SCALE:



**4 DRAINAGE & VENT RISER 3**  
 P2.01 SCALE:

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**NEW 911 CENTER FOR UNION COUNTY**  
 UNION COUNTY  
 507 SHOE FACTORY RD. BLAIRSVILLE, GA 30512  
**PLUMBING RISER DIAGRAMS**



DRAWING NUMBER  
**P2.01**