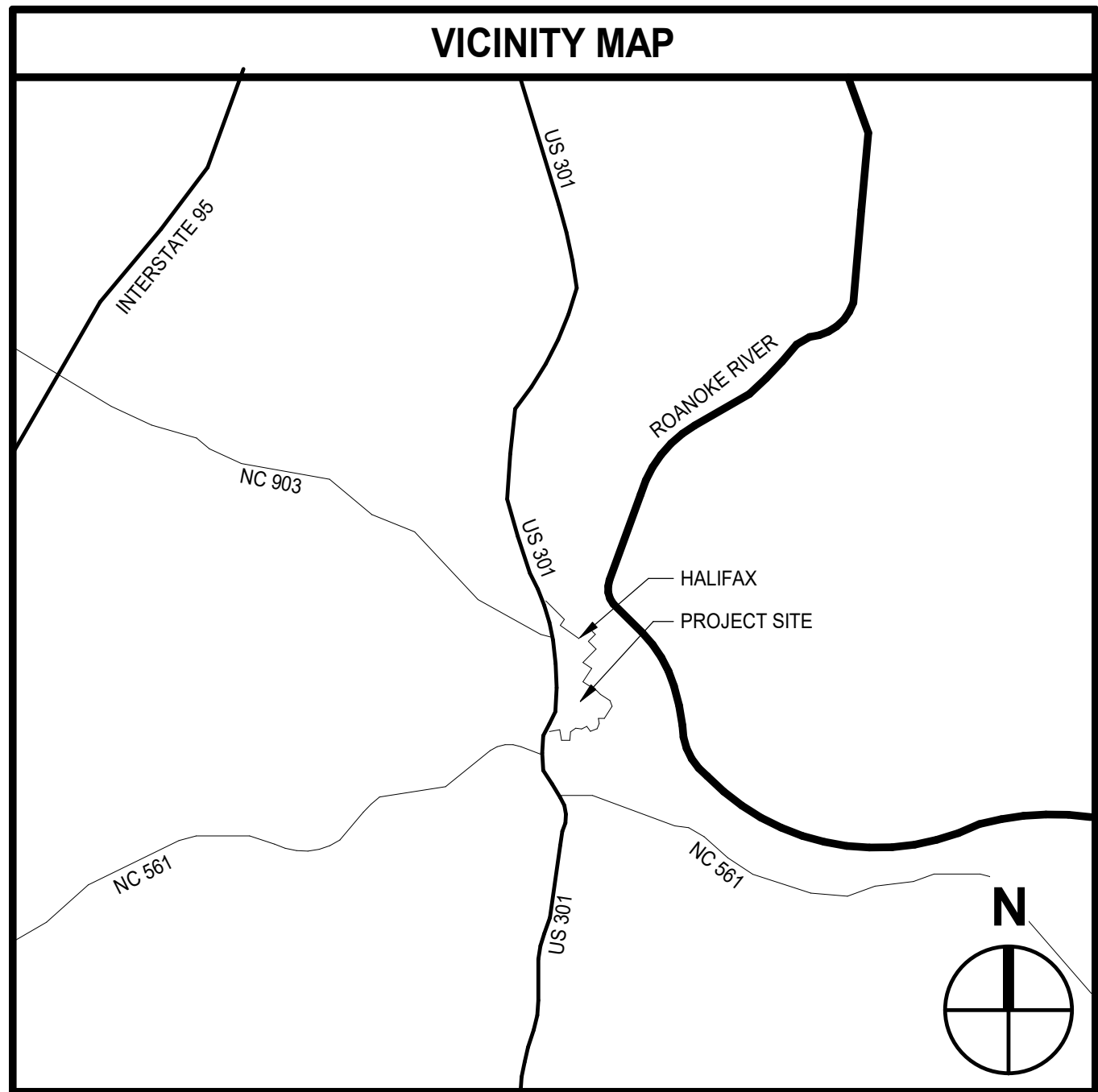


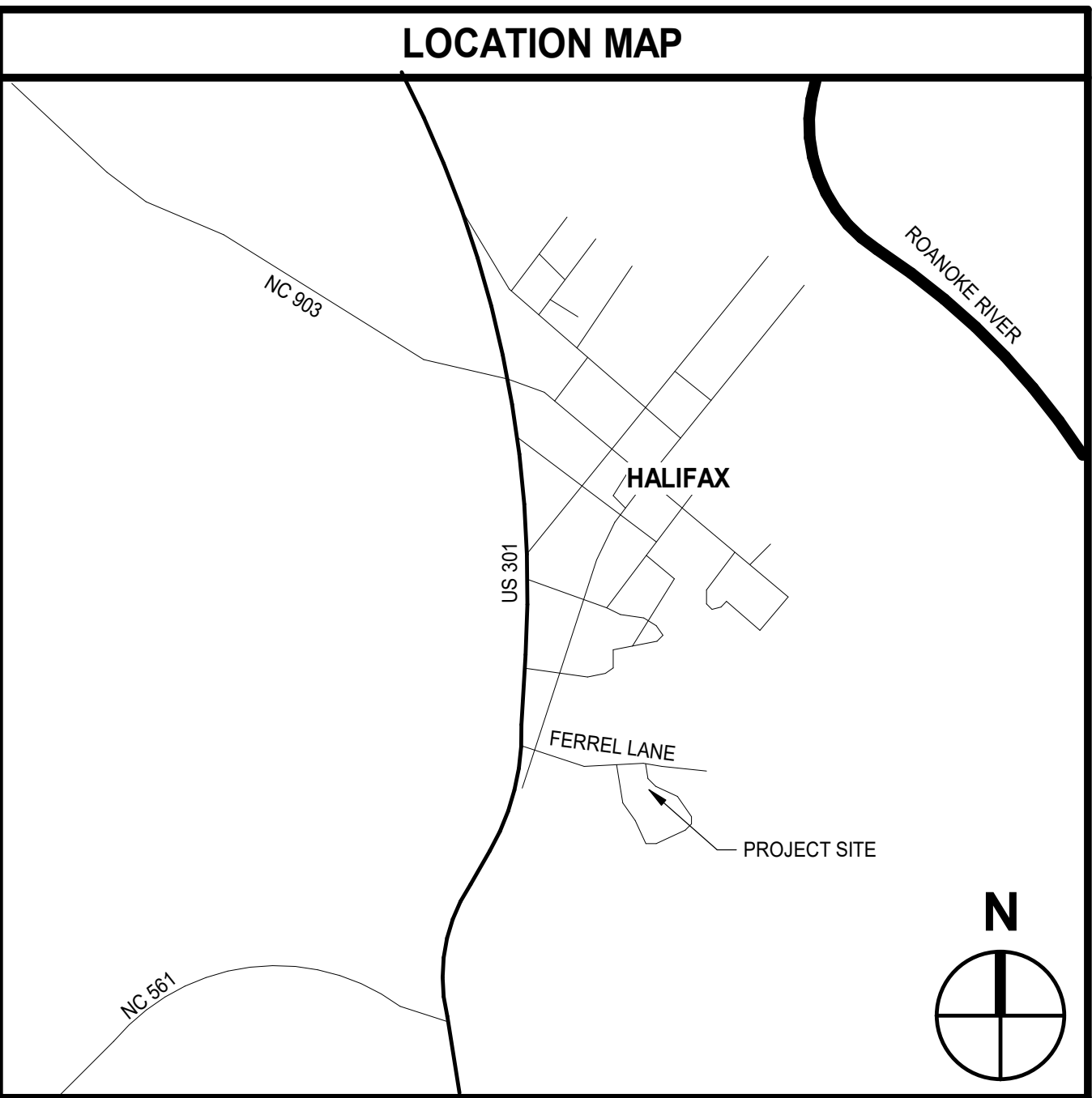
HALIFAX COUNTY COURTHOUSE



HALIFAX COUNTY HALIFAX, NC

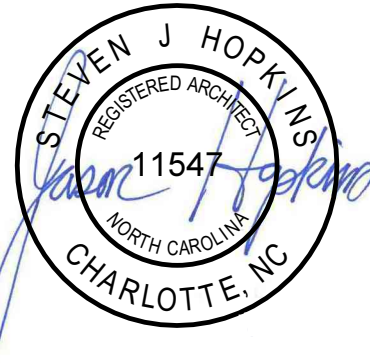
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HALIFAX COUNTY COURTHOUSE

**HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839**

DRAWING INDEX

GENERAL					
G0.1	COVER	A6.1.2	ENLARGED STAIR AND ELEV PLANS AND SECTIONS	MECHANICAL	
		A7.1.1	TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLANS	M0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
		A8.1	CASEWORK AND ELEVATIONS	M0.2	SCHEDULES
LIFE SAFETY		A8.1.1	REFLECTED CEILING PLAN - LEVEL 1	M1.1	FIRST FLOOR DEMOLITION PLAN
LS1.0	CODE SUMMARY	A8.1.2	REFLECTED CEILING PLAN - LEVEL 2	M1.2	SECOND FLOOR DEMOLITION PLAN
LS1.1	LIFE SAFETY INFORMATION - LEVEL 1	A8.1.3	REFLECTED CEILING PLAN - LEVEL 3	M1.3	THIRD FLOOR DEMOLITION PLAN
LS1.2	LIFE SAFETY INFORMATION - LEVEL 2			M2.1	FIRST FLOOR PLAN
LS1.3	LIFE SAFETY INFORMATION - LEVEL 3	A10.1	ROOF PLAN	M2.2	SECOND FLOOR PLAN
LS1.3.1	UL ASSEMBLIES			M2.3	THIRD FLOOR PLAN
LS3.2	UL ASSEMBLIES	STRUCTURAL		M2.4	ROOF PLAN
LS3.3	UL ASSEMBLIES	S0.0.1	GENERAL NOTES AND LEGENDS	M5.1	DETAILS
LS3.4	UL ASSEMBLIES	S0.0.2	SPECIAL INSPECTION REPORTS - 2018 NCBC	M5.2	DETAILS
LS3.5	UL ASSEMBLIES	S1.1	FOUNDATION PLAN - LEVEL 1	M7.1	CONTROLS
LS3.6	UL ASSEMBLIES	S2.1	FLOOR FRAMING PLAN - LEVEL 2		
		S2.2	FLOOR FRAMING PLAN - LEVEL 3	ELECTRICAL	
ARCHITECTURAL		S2.3	ROOF FRAMING PLAN	E0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
A0.1	GENERAL ARCHITECTURAL INFORMATION	S3.0.1	TYPICAL FOUNDATION AND SLAB DETAILS	E1.1.1	ELECTRICAL DEMO PLAN - LEVEL 1
A0.2	WALL/PARTITION TYPES, WALL JOINTS AND TERMINATIONS	S3.1.1	FOUNDATION SECTIONS	E1.1.2	ELECTRICAL DEMO PLAN - LEVEL 2
A1.2.1	DEMOLITION FLOOR PLAN - LEVEL 1	S4.0.1	TYPICAL MASONRY WALL AND LINTEL DETAILS	E1.1.3	ELECTRICAL DEMO PLAN - LEVEL 3
A1.2.2	DEMOLITION FLOOR PLAN - LEVEL 2	S4.0.2	TYPICAL FRAMING DETAILS	E2.1.1	LIGHTING PLAN - LEVEL 1
A1.2.3	DEMOLITION FLOOR PLAN - LEVEL 3	S4.1.1	FRAMING SECTIONS	E2.1.2	LIGHTING PLAN - LEVEL 2
A1.3.1	DEMOLITION REFLECTED CEILING PLAN - LEVEL 1	S4.1.2	FRAMING SECTIONS	E2.1.3	LIGHTING PLAN - LEVEL 3
A1.3.2	DEMOLITION REFLECTED CEILING PLAN - LEVEL 2	S4.1.3	FRAMING SECTIONS	E2.2.1	POWER PLAN - LEVEL 1
A1.3.3	DEMOLITION REFLECTED CEILING PLAN - LEVEL 3			E2.2.2	POWER PLAN - LEVEL 2
A1.4.1	DEMOLITION BUILDING ELEVATIONS	PLUMBING		E2.2.3	POWER PLAN - LEVEL 3
A2.1	FLOOR PLAN - LEVEL 1	P0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES	E2.3.1	COMMUNICATIONS PLAN - LEVEL 1
A2.2	FLOOR PLAN - LEVEL 2	P1.0	FOUNDATION PLAN - DEMOLITION - PLUMBING	E2.3.2	COMMUNICATIONS PLAN - LEVEL 2
A2.3	FLOOR PLAN - LEVEL 3	P1.1	FIRST FLOOR PLAN - DEMOLITION - PLUMBING	E2.3.3	COMMUNICATIONS PLAN - LEVEL 3
A3.0.1	FINISH SCHEDULE	P1.2	SECOND FLOOR PLAN - DEMOLITION - PLUMBING	E2.4.1	FIRE ALARM PLAN - LEVEL 1
A3.0.2	INTERIOR SIGNAGE	P1.3	THIRD FLOOR PLAN - DEMOLITION - PLUMBING	E2.4.2	FIRE ALARM PLAN - LEVEL 2
A3.1.1	DOOR SCHEDULE, FRAME AND GLAZING TYPES	P2.1	FIRST FLOOR PLAN - NEW WORK - SANITARY	E2.4.3	FIRE ALARM PLAN - LEVEL 3
A3.2.1	DOOR AND FRAME DETAILS	P2.2	FIRST FLOOR PLAN - NEW WORK - DOMESTIC	E4.1	ELECTRICAL DETAILS
A4.1	BUILDING ELEVATIONS	P2.3	SECOND FLOOR PLAN - NEW WORK - SANITARY	E4.2	ELECTRICAL DETAILS
A4.2	BUILDING ELEVATIONS	P2.4	SECOND FLOOR PLAN - NEW WORK - DOMESTIC	E5.1	POWER ONE-LINE DIAGRAM
A5.0.1	BUILDING SECTIONS	P2.5	THIRD FLOOR PLAN - NEW WORK - SANITARY		
A5.1.1	WALL SECTIONS	P2.6	THIRD FLOOR PLAN - NEW WORK - DOMESTIC		
A5.2.1	SECTION AND PLAN DETAILS	P5.1	DETAILS		
A6.1.1	ENLARGED STAIR AND ELEV PLANS AND SECTIONS				

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

COVER

G0.1

CODE DATA SUMMARY

THIS SUMMARY DOES NOT IDENTIFY ALL APPLICABLE CODE SECTIONS AND IS A SUMMARY OF SELECTED CODE SECTIONS ONLY. CODE SECTIONS NOT IDENTIFIED OR OTHERWISE INDICATED DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND REGULATIONS TO COMPLETE THE WORK.

BUILDING A
2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Halifax County Courthouse Renovation
Address 357 Ferrell Ln, Halifax, NC 27839 Zip Code 27839
Owner/Authorized Agent: Halifax County/Dia Denton Phone # 252.583.1131 E-Mail dentond@halifaxnc.com
Owned By: County
Code Enforcement Jurisdiction: City

CONTACT: Moseley Architects Design Team				
DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE & E-MAIL
Architectural	Moseley Architects	Steven J. Hopkins	11547	(704) 540-3755 shopkins@moseleyarchitects.com
Civil	N/A			
Electrical	Moseley Architects	Brian Wells	040702	(704) 540-3755 bwells@moseleydesigns.com
Fire Alarm	Moseley Architects	Brian Wells	040702	(704) 540-3755 bwells@moseleydesigns.com
Plumbing	Moseley Architects	Jason Forsyth	037569	(704) 540-3755 jforsyth@moseleydesigns.com
Mechanical	Moseley Architects	Jason Forsyth	037569	(704) 540-3755 jforsyth@moseleydesigns.com
Sprinkler-Standpipe	Moseley Architects	Jason Forsyth	037569	(704) 540-3755 jforsyth@moseleydesigns.com
Structural	Moseley Architects	Paul J. Gagnon	045706	(704) 540-3755 pgagnon@moseleydesigns.com
Other				
(*Other* should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)				

2018 NC BUILDING CODE: Renovation

2018 NC EXISTING BUILDING CODE: Alteration Level II N/A N/A

CONSTRUCTED: (date) 1984 CURRENT OCCUPANCY(S) (Ch. 3): BUSINESS / A3

RENOVATED: (date) PROPOSED OCCUPANCY(S) (Ch. 3): BUSINESS / A3

RISK CATEGORY (Table 1604.5): Current: II Proposed: II

BASIC BUILDING DATA

Construction Type: II-B

Sprinklers: Yes N/A

Standpipes: No

Primary Fire District: No Flood Hazard Area: No

Special Inspections Required: Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table			
FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL
3 rd Floor	19,130 sf	910 sf	20,040 sf
2 nd Floor	26,630 sf		26,630 sf
1 st Floor	28,160 sf		28,160 sf
TOTAL	73,920 sf		74,830 sf

2018 NC Administrative Code and Policies

ALLOWABLE AREA

Primary Occupancy Classification(s): Business

Accessory Occupancy Classification(s): ASSEMBLY A-3, I-3 CONDITION 4, STORAGE S-2

Incidental Uses (Table 509):

Special Uses (Chapter 4 – List Code Sections): N/A

Special Provisions: (Chapter 5 – List Code Sections): N/A

Mixed Occupancy: Yes Separation: Select one Exception: N/A

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ¹ AREA	(C) AREA FOR FRONTAGE INCREASE ^{2,3}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}
Level 1	B-Business	28,160 Existing	23,000	Existing	
Level 2	A3, Business, I3	26,630 Existing	10,000	Existing	
Level 3	B-Business	20,040	23,000	N/A	

¹ Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $f = 100(P - 0.25) \times W/30 =$ _____ (%)
² Unlimited area applicable under conditions of Section 507.
³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
⁴ The maximum area of open parking garages must comply with Table 406.5.4.
⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE (ABOVE GRADE)	SHOWN ON PLANS	CODE REFERENCE ¹
Building Height in Feet (Table 504.3) ²	55	31	N/A
Building Height in Stories (Table 504.4) ³	3	3	N/A

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
² The maximum height of air traffic control towers must comply with Table 412.3.1.
³ The maximum height of open parking garages must comply with Table 406.5.4.

2018 NC Administrative Code and Policies

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
**Primary Structural Frame, including columns, girders, trusses	GREATER THAN 30"	1 HR	1 HR	X-6 + LSJ.4	X642	N/A	N/A
Beating Walls		0 HR	0 HR	N/A	N/A	N/A	N/A
Exterior		--	--	--	--	--	--
North		--	--	--	--	--	--
East		--	--	--	--	--	--
West		--	--	--	--	--	--
South		--	--	--	--	--	--
Interior		0 HR	0 HR	N/A	N/A	N/A	N/A
Nonbearing Walls and Partitions	GREATER THAN 30"	0 HR	0HR	N/A	N/A	N/A	N/A
Exterior walls		--	--	--	--	--	--
North		--	--	--	--	--	--
East		--	--	--	--	--	--
West		--	--	--	--	--	--
South		--	--	--	--	--	--
Interior walls and partitions		0 HR	0 HR	N/A	N/A	N/A	N/A
Floor Construction		1 HR	1 HR	4/A6.1.1	D902	N/A	N/A
Including supporting beams and joists							
**Roof Construction, including supporting beams and joists		1 HR	1 HR	X/A3-1.8.2/LSJ.3	D902	N/A	N/A
Shaft Enclosures - Exit		1 HR	1 HR	X1-A0.2	U905	N/A	N/A
Shaft Enclosures - Other		1 HR	1 HR	X1-LSJ.2	L415	N/A	HW-D-6039
Corridor Separation		1 HR	1 HR	X1/A2-A0.2	U1465/U905	C-AJ-5069	HW-D-6035/ HW-D-6111
Occupancy/Fire Barrier Separation		1 HR	1 HR	X1/A2-A0.2	U1465/U905	C-AJ-5069	HW-D-6035/ HW-D-6111
Party/Fire Wall Separation		N/A	N/A	N/A	N/A	N/A	N/A
Smoke Barrier Separation		N/A	N/A	N/A	N/A	N/A	N/A
Smoke Partition		N/A	N/A	N/A	N/A	N/A	N/A
Exhaust/Drilling Unit/Steeping Unit Separation		N/A	N/A	N/A	N/A	N/A	N/A
Incidental Use Separation		N/A	N/A	N/A	N/A	N/A	N/A

**MINIMUM GROUND OR COLUMN = 10,000
**SHALL FIREPROOF UNDERSIDE OF ROOF DECK AND STEEL AROUND THE STAR TOWER TO MAINTAIN THE 10" SEPARATION PER 705.6 AND 705.11-ULD002
*HORIZONTAL CEILING (REFER TO RCP A41.1) - (UL006 REFER TO LSJ.2)

2018 NC Administrative Code and Policies

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
Greater than 30"	UP-5	No limit	N/A

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes
Exit Signs: Yes
Fire Alarm: Yes
Smoke Detection Systems: Yes
Carbon Monoxide Detection: Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: LSJ.0

- ☒ Fire and/or smoke rated wall locations (Chapter 7)
- ☐ Assumed and real property line locations (if not on the site plan)
- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☒ Occupant loads for each area
- ☒ Exit access travel distances (1017)
- ☒ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- ☒ Dead end lengths (1020.4)
- ☒ Clear exit widths for each exit door
- ☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- ☒ Actual occupant load for each exit door
- ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- ☒ Location of doors with panic hardware (1010.1.10)
- ☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- ☒ Location of doors with electromagnetic egress locks (1010.1.9.9)
- ☒ Location of doors equipped with hold-open devices
- ☐ Location of emergency escape windows (1030)
- ☐ The square footage of each fire area (202)
- ☒ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- ☒ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
N/A							

2018 NC Administrative Code and Policies

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	PROVIDED	# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
			REGULAR WITH 5' ACCESSIBLE	VAN SPACES WITH 132" ACCESSIBLE	8' ACCESSIBLE	
Public						
Staff						
TOTAL						

PLUMBING FIXTURE REQUIREMENTS – LEVEL 03 (TABLE 2902.1)

SPACE	USE	WATER CLOSETS			URINALS			LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX		REGULAR	ACCESSIBLE
Required		2	2					2	2				2
Provided		2	3	6	2	2	2	6					3

* Note: 1 service sink is required by code. 1 service sink provided.

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: Select one

Exempt Building: No Provide code or statutory reference:

Climate Zone: 4A

Method of Compliance: Energy Code - Prescriptive
(If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)

Description of assembly: RFAL & RFA2 on drawing A10.1
U-Value of total assembly: 0.032
R-Value of insulation: R-30ci
Skylights in each assembly: n/a
U-Value of skylight: n/a
total square footage of skylights in each assembly: n/a

Exterior Walls (each assembly)

Description of assembly: WA assemblies on A5.1.1
U-Value of total assembly: 0.064;
R-Value of insulation: R-13 +R-7.5ci, R-9.5ci Mass;
Openings (windows or doors with glazing):
U-Value of assembly: 0.45
Solar heat gain coefficient: 0.33
projection factor: 0
Door R-Values: N/A

Walls below grade (each assembly)

Description of assembly: EXISTING TO REMAIN
U-Value of total assembly:
R-Value of insulation:

Floors over unconditioned space (each assembly)

Description of assembly: N/A
U-Value of total assembly:
R-Value of insulation:

Floors slab on grade

Description of assembly: EXISTING TO REMAIN
U-Value of total assembly:
R-Value of insulation:
Horizontal/vertical requirement:
slab heated: N/A

2018 NC Administrative Code and Policies

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (h) L1
Seismic (Is) L25

Live Loads:

ROOF LIVE LOAD 20PSF
HOLDING 40 PSF
OFFICES 50 PSF
(PARTITION ALLOWANCE 15 PSF WHERE UNIFORM LIVE LOAD IS LESS THAN 80 PSF)
COURTS 60 PSF
CORRIDORS ABOVE FIRST FLOOR 80 PSF
LOBBIES AND FIRST FLOOR CORRIDORS 100 PSF
CONFERENCE / JURY ASSEMBLY 100 PSF
STORAGE / MECHANICAL ROOMS 100 PSF
STAIRS 100 PSF
HANDRAILS AND GUARDS 50 PSF

Ground Snow Load: 15 psf

Wind Load: Ultimate Wind Speed 120 mph (ASCE-7)
Exposure Category C

SEISMIC DESIGN CATEGORY: A

Provide the following Seismic Design Parameters:

Risk Category (Table 1604.5) III

Spectral Response Acceleration $S_{s,12.1}$ %g $S_{s,6.0}$ %g

Site Classification (ASCE 7) D

Data Source: Default without Geo-tech Report per ASCE 7.11.4.2

Basic structural system Building Frame

Analysis Procedure: Static Lateral Forces (F_x ≤ 0.010W_x)

Architectural, Mechanical, Components anchored? No

LATERAL DESIGN CONTROL: Wind

SOIL BEARING CAPACITIES:

Field Test (provide copy of test report) 1,500psf
Spread Footings

2018 NC Administrative Code and Policies

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS AND EQUIPMENT

Thermal Zone 4A

winter dry bulb: 93.7F
summer dry bulb: 73.2F

Interior design conditions

winter dry bulb: 68F
summer dry bulb: 73.7F
relative humidity: 50%

Building heating load: 1,002,000 BTUH

Building cooling load: 1,219,000 BTUH

Mechanical Spacing Conditioning System

Unitary

description of unit: Unitary
heating efficiency: See Schedules
cooling efficiency: See Schedules
size category of unit: See Schedules

Boiler

Size category: If oversized, state reason: N/A

Chiller

Size category: If oversized, state reason: N/A

List equipment efficiencies: Listed above

2018 NC Administrative Code and Policies

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: ASHRAE 90.1 – Prescriptive

Lighting schedule (each fixture type)

lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture - Refer to fixture schedule on plans.
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed whole building
.56/W (specified)
.69/W (allowed)

total exterior wattage specified vs. allowed Parking
.04/W (specified)
.06/W (allowed)

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
☐ C406.2 More Efficient HVAC Equipment Performance
☐ C406.3 Reduced Lighting Power Density
☐ C406.4 Enhanced Digital Lighting Controls
☐ C406.5 On-Site Renewable Energy
☐ C406.6 Dedicated Outdoor Air System
☐ C406.7 Reduced Energy Use in Service Water Heating

2018 NC Administrative Code and Policies

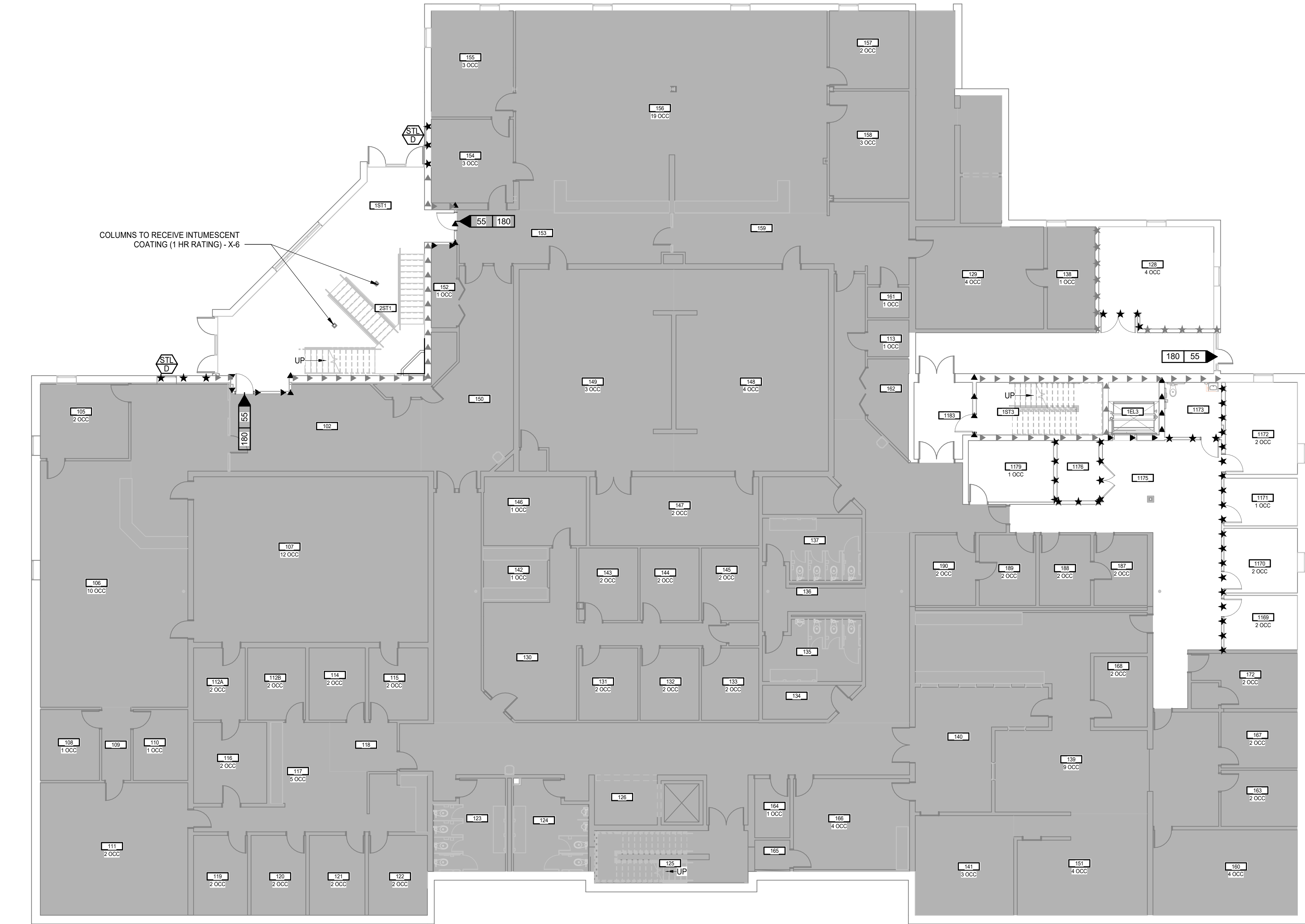


10/01/2025



PROJECT NO: 623324
DATE: 10/1/2025
REVISIONS
DATE DESCRIPTION

J
I
H
G
F
E
D
C
B
A



1
A4.1 | LS1.1
LIFE SAFETY FLOOR PLAN - LEVEL 1
3/32" = 1'-0"

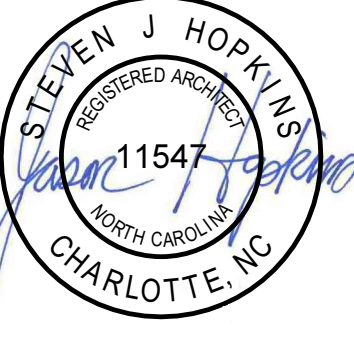
LIFE SAFETY SYMBOL LEGEND				
APPLIES TO LS SERIES OF DRAWINGS ONLY				
DESIGNATOR MATRIX				SYMBOLS
	WALL	BARRIER	PARTITION	WATED BEARING OR NON-BEARING WALL
4 HR FIRE				
3 HR FIRE				
2 HR FIRE				
1 HR FIRE				
1 HR FIRE EXISTING				
1/4 HR FIRE				
SMOKE				
SMOKE-TIGHT				
INCIDENTAL				
NOTES:				
1. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION.				
2. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.				
3. RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.				
EXTENT OF SPRAYED-ON/APPLIED FIRE PROOFING				
EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY				
ROOM NUMBER				
DIRECTION OF EGRESS				
EGRESS LOAD CAPACITY				
NUMBER OF OCCUPANTS				
MAXIMUM TRAVEL DISTANCE				
COMMON PATH OF TRAVEL				
FIRE EXTINGUISHER CABINET				
FIRE EXTINGUISHER BRACKET				
LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT.				
LIGHT FIXTURE ON EMERGENCY POWER, SUSPENDED.				
PENDANT LIGHT FIXTURE ON EMERGENCY POWER, SUSPENDED.				
LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT.				
EXIT SIGNS, REFER TO ELECTRICAL LIGHTING DRAWINGS.				

FIRE RATED ASSEMBLIES				
REPRESENTED BY $\langle X_n \rangle$				
THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN. EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ				
MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
X1	1-HR	CONCRETE MASONRY PARTITION	UL905	
X2	1-HR	GYPSUM BOARD PARTITION	UL465	
X3	1-HR	SHAFT WALL	UL415	
X4	1-HR	SFRM	P701	
X5	1-HR	SFRM	D902	
X6	1-HR	INTUMESCENT COATING	X642	
X7	1-HR	GWB WALL TERMINATION	HW-D-0111	
X8	1-HR	JOINT SYSTEMS	HW-D-0030	
X9	1-HR	THROUGH FLOOR OR WALL	C-AJ-5069	
X10		FIRE RETARDANT PENETRANT		

GENERAL NOTES	
REFER TO CONTRACTOR'S PHASING SCHEDULE FOR SEQUENCE OF WORK. COURTHOUSE SHALL REMAIN OPERATIONAL THROUGHOUT PROJECT DURATION.	
WORK SHALL BE PHASED TO MINIMIZE DISRUPTION TO COURT PROCEEDINGS AND PUBLIC SERVICES.	
EGRESS PATHS MUST REMAIN CLEAR AT ALL TIMES DURING CONSTRUCTION. TEMPORARY BARRIERS SHALL BE CONSTRUCTED TO MAINTAIN OCCUPANT SAFETY AND EGRESS.	

OCCUPANCY SCHEDULE - EXISTING LEVEL 1									
SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	SF	AREA GROSS	NET	OCCUPANCY LOAD	
								TABULAR	ACTUAL DESIGN
105	REG OF DEEDS	B	BUSINESS AREA	100 SF	192	•	2	2	2
106	STAFF ROOM REG OF DEEDS	B	BUSINESS AREA	100 SF	943	•	10	10	10
107	REG OF DEEDS VAULT	B	BUSINESS AREA	100 SF	1140	•	12	12	12
108	INDEX RM	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	123	•	1	1	1
110	SUPPLY RM	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	114	•	1	1	1
111	GENERAL STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	581	•	2	2	2
112A	WORK	B	BUSINESS AREA	100 SF	109	•	2	2	2
112B	WORK	B	BUSINESS AREA	100 SF	123	•	2	2	2
113	JAN	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	44	•	1	1	1
114	OFFICE	B	BUSINESS AREA	100 SF	119	•	2	2	2
115	OFFICE	B	BUSINESS AREA	100 SF	126	•	2	2	2
116	WORK RM	B	BUSINESS AREA	100 SF	174	•	2	2	2
117	SEC/REC	B	BUSINESS AREA	100 SF	409	•	5	5	5
119	OFFICE	B	BUSINESS AREA	100 SF	129	•	2	2	2
120	OFFICE	B	BUSINESS AREA	100 SF	131	•	2	2	2
121	OFFICE	B	BUSINESS AREA	100 SF	133	•	2	2	2
122	OFFICE	B	BUSINESS AREA	100 SF	141	•	2	2	2
128	WORK AREA	B	BUSINESS AREA	100 SF	325	•	4	4	4
132	OFFICE	B	BUSINESS AREA	100 SF	125	•	2	2	2
133	OFFICE	B	BUSINESS AREA	100 SF	122	•	2	2	2
138	STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	143	•	1	1	1
139	TAX OFFICE	B	BUSINESS AREA	100 SF	858	•	9	9	9
141	OFFICE	B	BUSINESS AREA	100 SF	289	•	3	3	3
142	WORKROOM	B	BUSINESS AREA	100 SF	98	•	1	1	1
143	OFFICE	B	BUSINESS AREA	100 SF	124	•	2	2	2
144	OFFICE	B	BUSINESS AREA	100 SF	125	•	2	2	2
145	OFFICE	B	BUSINESS AREA	100 SF	122	•	2	2	2
148	STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	207	•	1	1	1
147	GENERAL STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	342	•	2	2	2
148	CRIMINAL VAULT	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	903	•	4	4	4
149	CIVIL VAULT	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	883	•	3	3	3
151	OFFICE	B	BUSINESS AREA	100 SF	381	•	4	4	4
152	MECH	B	BUSINESS AREA	100 SF	62	•	1	1	1
154	CLERK OF COURT	B	BUSINESS AREA	100 SF	202	•	3	3	3
155	CONF	B	BUSINESS AREA	100 SF	256	•	3	3	3
156	STAFF ROOM CLARK OF COURT	B	BUSINESS AREA	100 SF	1833	•	19	19	19
157	BOOKKEEPER	B	BUSINESS AREA	100 SF	182	•	2	2	2
159	WORKROOM	B	BUSINESS AREA	100 SF	250	•	3	3	3
160	OFFICE	B	BUSINESS AREA	100 SF	362	•	4	4	4
161	SUPPLY	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	37	•	1	1	1
163	OFFICE	B	BUSINESS AREA	100 SF	126	•	2	2	2
164	ELEV EQUIP	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	61	•	1	1	1
166	EMPLOYEE LOUNGE	B	BUSINESS AREA	100 SF	310	•	4	4	4
167	OFFICE	B	BUSINESS AREA	100 SF	125	•	2	2	2
168	OFFICE	B	BUSINESS AREA	100 SF	110	•	2	2	2
172	JUDGES ROOM	B	BUSINESS AREA	100 SF	147	•	2	2	2
187	OFFICE	B	BUSINESS AREA	100 SF	110	•	2	2	2
189	OFFICE	B	BUSINESS AREA	100 SF	108	•	2	2	2
189	OFFICE	B	BUSINESS AREA	100 SF	117	•	2	2	2
190	OFFICE	B	BUSINESS AREA	100 SF	125	•	2	2	2
1169	OFFICE	B	BUSINESS AREA	100 SF	118	•	2	2	2
1170	OFFICE	B	BUSINESS AREA	100 SF	140	•	2	2	2
1171	MECH	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	103	•	1	1	1
1172	CONF / MEETING ROOM	B	BUSINESS AREA	100 SF	195	•	2	2	2
1179	STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	154	•	1	1	1

MOSELEYARCHITECTS



HALIFAX COUNTY COURTHOUSE

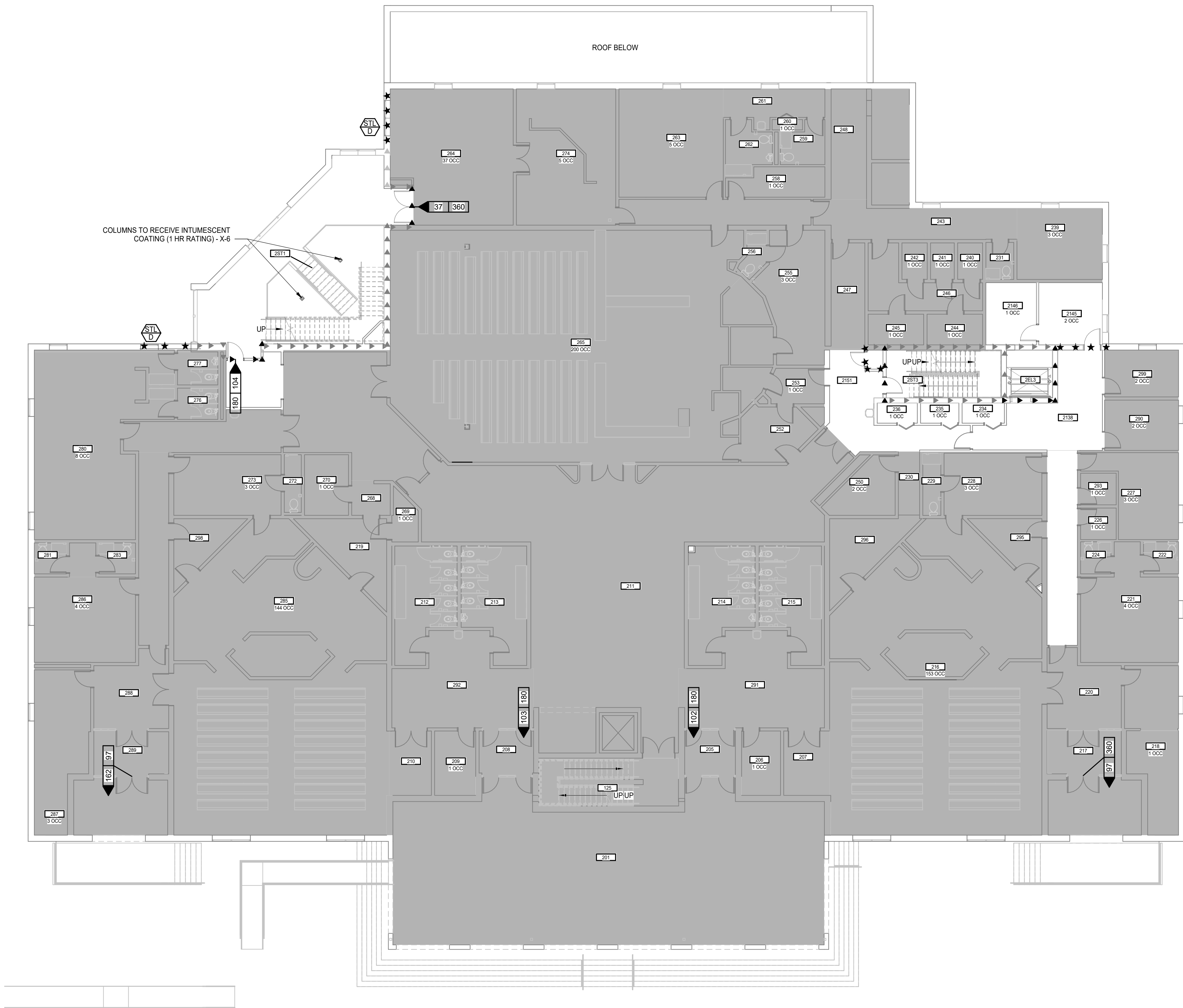
HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO: 623324	DATE: 10/1/2025
REVISIONS	
DESCRIPTION	

LIFE SAFETY
INFORMATION - LEVEL 1

LS1.1

1 LIFE SAFETY FLOOR PLAN - LEVEL 2
A4.1 LS1.2 3/32" = 1'-0"

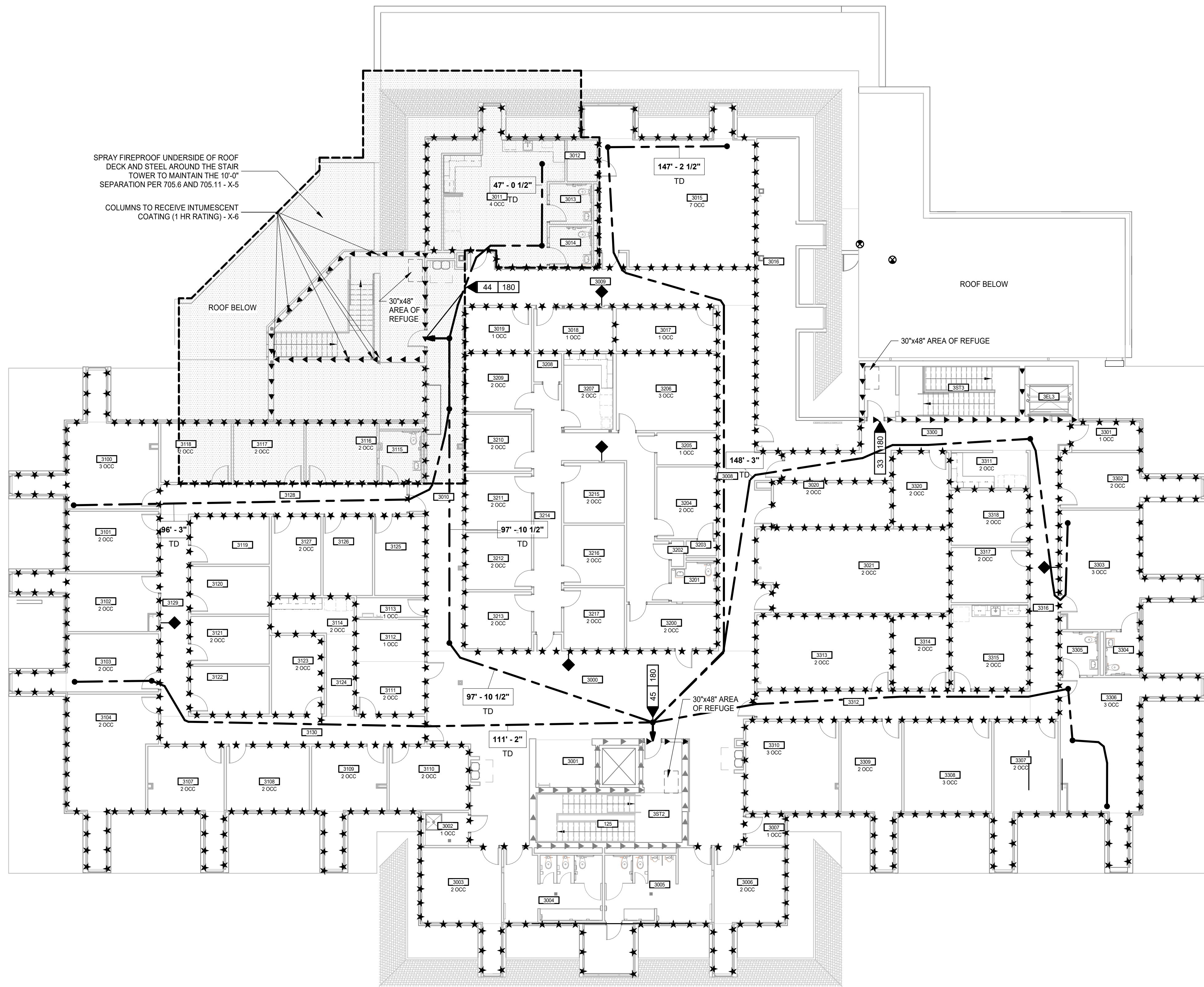


LIFE SAFETY SYMBOL LEGEND				
APPLIES TO LS SERIES OF DRAWINGS ONLY				
DESIGNATOR MATRIX				SYMBOLS
	WALL	BARRIER	PARTITION	WATED BEARING OR NON-BEARING WALL
4 HR FIRE				
3 HR FIRE				
2 HR FIRE				
1 HR FIRE				
1 HR FIRE EXISTING				
1/4 HR FIRE				
SMOKE				
SMOKE-TIGHT				
INCIDENTAL				
NOTES:				
1. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION.				
2. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.				
3. RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.				
EXTENT OF SPRAYED-ON/APPLIED FIRE PROOFING				
EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY				
SYMBOLS				
1205 ROOM NUMBER				
798 1280 DIRECTION OF EGRESS				
EGRESS LOAD CAPACITY				
DIRECTION OF EGRESS				
NUMBER OF OCCUPANTS				
EGRESS LOAD CAPACITY				
XXX'-X" MAXIMUM TRAVEL DISTANCE				
XXX'-X" C/POT COMMON PATH OF TRAVEL				
FIRE EXTINGUISHER CABINET				
FIRE EXTINGUISHER BRACKET				
LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT.				
LIGHT FIXTURE ON EMERGENCY POWER, SUSPENDED.				
PENDANT LIGHT FIXTURE ON EMERGENCY POWER, SUSPENDED.				
LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT.				
EXIT SIGNS, REFER TO ELECTRICAL LIGHTING DRAWINGS.				

FIRE RATED ASSEMBLIES				
REPRESENTED BY (Xn)				
THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN. EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ				
MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
X1	1-HR	CONCRETE MASONRY PARTITION	UL905	
X2	1-HR	GYPSUM BOARD PARTITION	UL465	
X3	1-HR	SHAFT WALL	UL415	
X4	1-HR	SFRM	P701	
X5	1-HR	SFRM	D902	
X6	1-HR	INTUMESCENT COATING	X642	
X7	1-HR	GWB WALL TERMINATION	HW-D-0111	
X8	1-HR	JOINT SYSTEMS	HW-D-0030	
X9	1-HR	THROUGH FLOOR OR WALL	C-AJ-5069	
X10		FIRE RETARDANT PENETRANT		

GENERAL NOTES	
REFER TO CONTRACTOR'S PHASING SCHEDULE FOR SEQUENCE OF WORK. COURTHOUSE SHALL REMAIN OPERATIONAL THROUGHOUT PROJECT DURATION.	
WORK SHALL BE PHASED TO MINIMIZE DISRUPTION TO COURT PROCEEDINGS AND PUBLIC SERVICES.	
EGRESS PATHS MUST REMAIN CLEAR AT ALL TIMES DURING CONSTRUCTION. TEMPORARY BARRIERS SHALL BE CONSTRUCTED TO MAINTAIN OCCUPANT SAFETY AND EGRESS.	

OCCUPANCY SCHEDULE - EXISTING LEVEL 2											
SPACE NUMBER	SPACE NAME	USE	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	SF	AREA GROSS	NET	OCCUPANCY LOAD			
								TABULAR	ACTUAL	DESIGN	
206	MECH.	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	86	•	•	1	1	1	
209	MECH.	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	94	•	•	1	1	1	
216	DISTRICT COURTROOM	A3	ASSEMBLY, FIXED SEATING	0 SF	2048	•	•	153	153	153	
218	STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	270	•	•	1	1	1	
221	JURY DELIBERATION	B	BUSINESS AREA	100 SF	329	•	•	4	4	4	
226	CONF	B	BUSINESS AREA	100 SF	40	•	•	1	1	1	
227	CONF	B	BUSINESS AREA	100 SF	210	•	•	3	3	3	
228	JUDGE'S CHAMBERS	B	BUSINESS AREA	100 SF	216	•	•	3	3	3	
234	MECH.	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	30	•	•	1	1	1	
235	MECH.	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	27	•	•	1	1	1	
236	MECH.	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	29	•	•	1	1	1	
239	OFFICER'S ROOM	B	BUSINESS AREA	100 SF	215	•	•	3	3	3	
240	HOLDING	I3	INSTITUTIONAL, INPATIENT TREATMENT AREA	240 SF	32	•	•	1	1	1	
241	HOLDING	I3	INSTITUTIONAL, INPATIENT TREATMENT AREA	240 SF	31	•	•	1	1	1	
242	HOLDING	I3	INSTITUTIONAL, INPATIENT TREATMENT AREA	240 SF	33	•	•	1	1	1	
244	HOLDING	I3	INSTITUTIONAL, INPATIENT TREATMENT AREA	240 SF	61	•	•	1	1	1	
245	HOLDING	I3	INSTITUTIONAL, INPATIENT TREATMENT AREA	240 SF	61	•	•	1	1	1	
250	CASHIER	B	BUSINESS AREA	100 SF	109	•	•	2	2	2	
253	BALLUP	B	BUSINESS AREA	100 SF	68	•	•	1	1	1	
255	JUDGE'S CHAMBERS	B	BUSINESS AREA	100 SF	264	•	•	3	3	3	
258	MECH.	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	96	•	•	1	1	1	
260	JD CLOSET	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	11	•	•	1	1	1	
263	JURY DELIBERATION	B	BUSINESS AREA	100 SF	401	•	•	5	5	5	
264	MAGISTRATE'S SMALL CLAIMS COURTROOM #4	B	ASSEMBLY, UNCONCENTRATED	15 SF	554	•	•	37	37	37	
265	SUPERIOR COURTROOM #1	A3	ASSEMBLY, FIXED SEATING	0 SF	2728	•	•	200	200	200	
269	MECH.	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	40	•	•	1	1	1	
270	VICTIM'S SERVICES	B	BUSINESS AREA	100 SF	95	•	•	1	1	1	
273	JUDGE'S CHAMBERS	B	BUSINESS AREA	100 SF	221	•	•	3	3	3	
274	JURY ROOM	B	BUSINESS AREA	100 SF	469	•	•	5	5	5	
280	GRAND JURY SUITE	B	BUSINESS AREA	100 SF	747	•	•	8	8	8	
285	DISTRICT COURTROOM	A3	ASSEMBLY, FIXED SEATING	0 SF	2059	•	•	144	144	144	
286	JURY DELIBERATION	B	BUSINESS AREA	100 SF	306	•	•	4	4	4	
287	MECH.	B	BUSINESS AREA	100 SF	276	•	•	3	3	3	
290	JUDICIAL SERVICES	B	BUSINESS AREA	100 SF	132	•	•	2	2	2	
293	CONF	B	BUSINESS AREA	100 SF	40	•	•	1	1	1	
299	OFFICE	B	BUSINESS AREA	100 SF	123	•	•	2	2	2	
2145	OFFICE	B	BUSINESS AREA	100 SF	141	•	•	2	2	2	
2146	STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	112	•	•	1	1	1	
											605



LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

DESIGNATOR MATRIX				SYMBOLS
	WALL	BARRIER	PARTITION	
4 HR FIRE				<div>ROOM NUMBER</div> <div>798 1280</div> <div>DIRECTION OF EGRESS</div> <div>EGRESS LOAD CAPACITY</div> <div>NUMBER OF OCCUPANTS</div> <div>798 1280</div> <div>DIRECTION OF EGRESS</div> <div>EGRESS LOAD CAPACITY</div> <div>NUMBER OF OCCUPANTS</div>
3 HR FIRE				
2 HR FIRE				
1 HR FIRE				
1 HR FIRE EXISTING				<div>XXX'-X"</div> <div>MAXIMUM TRAVEL DISTANCE</div> <div>XXX'-X"</div> <div>COMMON PATH OF TRAVEL</div> <div>C/POT</div> <div>FIRE EXTINGUISHER CABINET</div> <div>FIRE EXTINGUISHER BRACKET</div> <div>LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT.</div> <div>LIGHT FIXTURE ON EMERGENCY POWER, SUSPENDED.</div> <div>PENDANT LIGHT FIXTURE ON EMERGENCY POWER, SUSPENDED.</div> <div>LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT.</div> <div>EXIT SIGNS. REFER TO ELECTRICAL LIGHTING DRAWINGS.</div>
1/4 HR FIRE				
SMOKE				
SMOKE-TIGHT				
INCIDENTAL				
NOTES:				
1. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION.				
2. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.				
3. RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.				
<div>EXTENT OF SPRAYED-ON/APPLIED FIRE PROOFING</div> <div>EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY</div>				

FIRE RATED ASSEMBLIES

REPRESENTED BY Xn

THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN. EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ

MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
X1	1-HR	CONCRETE MASONRY PARTITION	UL905	
X2	1-HR	GYPSUM BOARD PARTITION	UL465	
X3	1-HR	SHAFT WALL	UL415	
X4	1-HR	SFRM	P701	
X5	1-HR	SFRM	D902	
X6	1-HR	INTUMESCENT COATING	X642	
X7	1-HR	GWB WALL TERMINATION	HW-D-0111	
X8	1-HR	JOINT SYSTEMS	HW-D-0030	
X9	1-HR	THROUGH FLOOR OR WALL	C-AJ-5069	
X10		FIRE RETARDANT PENETRANT		

GENERAL NOTES

REFER TO CONTRACTOR'S PHASING SCHEDULE FOR SEQUENCE OF WORK. COURTHOUSE SHALL REMAIN OPERATIONAL THROUGHOUT PROJECT DURATION.

WORK SHALL BE PHASED TO MINIMIZE DISRUPTION TO COURT PROCEEDINGS AND PUBLIC SERVICES.

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OCCUPANCY SCHEDULE - ADDITION - LEVEL 3

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA		AREA		OCCUPANCY LOAD		
				PER OCCUPANT	SF	GROSS	NET	TABULAR	ACTUAL	DESIGN
3002	JAN	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	46	•	•	1	1	1
3003	MEDIATION / CONF.	B	BUSINESS AREA	100 SF	194	•	•	2	2	2
3006	SHARED CONF.	B	BUSINESS AREA	100 SF	171	•	•	2	2	2
3007	MECH	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	39	•	•	1	1	1
3011	SHARED BREAKROOM	B	BUSINESS AREA	100 SF	422	•	•	6	4	4
3015	SHARED CONFERENCE ROOM	B	BUSINESS AREA	100 SF	626	•	•	7	7	7
3017	IDF	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	138	•	•	1	1	1
3018	STORAGE	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	109	•	•	1	1	1
3019	STORAGE	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	94	•	•	1	1	1
3020	OA STORAGE	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	168	•	•	1	2	2
3021	BULK STORAGE	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	505	•	•	2	2	2
3100	ASSISTANT DISTRICT ATTORNEY	B	BUSINESS AREA	100 SF	253	•	•	3	3	3
3101	ASSISTANT DISTRICT ATTORNEY	B	BUSINESS AREA	100 SF	178	•	•	2	2	2
3102	ASSISTANT DISTRICT ATTORNEY	B	BUSINESS AREA	100 SF	166	•	•	2	2	2
3103	ASSISTANT DISTRICT ATTORNEY	B	BUSINESS AREA	100 SF	173	•	•	2	2	2
3104	DISTRICT ATTORNEY	B	BUSINESS AREA	100 SF	317	•	•	4	2	2
3107	ASSISTANT DISTRICT ATTORNEY	B	BUSINESS AREA	100 SF	158	•	•	2	2	2
3108	LEGAL ASSISTANT	B	BUSINESS AREA	100 SF	172	•	•	2	2	2
3109	ASSISTANT DISTRICT ATTORNEY	B	BUSINESS AREA	100 SF	156	•	•	2	2	2
3110	ASSISTANT DISTRICT ATTORNEY	B	BUSINESS AREA	100 SF	165	•	•	2	2	2
3111	WAITING	B	BUSINESS AREA	100 SF	116	•	•	2	2	2
3112	RECEPT.	B	BUSINESS AREA	100 SF	93	•	•	1	1	1
3113	ROOF ACCESS	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	43	•	•	1	1	1
3114	COPY / WORK	B	BUSINESS AREA	100 SF	96	•	•	1	2	2
3116	LEGAL ASSISTANT	B	BUSINESS AREA	100 SF	136	•	•	2	2	2
3117	INVESTIGATOR	B	BUSINESS AREA	100 SF	132	•	•	2	2	2
3118	ADMINISTRATIVE ASSISTANT	B	BUSINESS AREA	100 SF	135	•	•	2	2	2
3121	LEGAL ASSISTANT	B	BUSINESS AREA	100 SF	121	•	•	2	2	2
3123	LEGAL ASSISTANT	B	BUSINESS AREA	100 SF	135	•	•	2	2	2
3127	LEGAL ASSISTANT	B	BUSINESS AREA	100 SF	127	•	•	2	2	2
3200	WAITING AREA	B	BUSINESS AREA	100 SF	129	•	•	2	2	2
3204	CHIEF JUVENILE COURT COUNSELOR	B	BUSINESS AREA	100 SF	138	•	•	2	2	2
3205	STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	62	•	•	1	1	1
3206	CONF. / MEETING ROOM	B	BUSINESS AREA	100 SF	149	•	•	3	3	3
3207	COPY / WORK ROOM	B	BUSINESS AREA	100 SF	121	•	•	2	2	2
3209	JUVENILE COURT COUNSELOR	B	BUSINESS AREA	100 SF	125	•	•	2	2	2
3210	JUVENILE COURT COUNSELOR	B	BUSINESS AREA	100 SF	122	•	•	2	2	2
3211	JUVENILE COURT COUNSELOR	B	BUSINESS AREA	100 SF	122	•	•	2	2	2
3212	JUVENILE COURT COUNSELOR	B	BUSINESS AREA	100 SF	122	•	•	2	2	2
3213	JUVENILE COURT COUNSELOR SUPERVISOR	B	BUSINESS AREA	100 SF	122	•	•	2	2	2
3215	JUVENILE COURT COUNSELOR	B	BUSINESS AREA	100 SF	118	•	•	2	2	2
3216	JUVENILE COURT COUNSELOR	B	BUSINESS AREA	100 SF	118	•	•	2	2	2
3217	JUVENILE COURT COUNSELOR	B	BUSINESS AREA	100 SF	120	•	•	2	2	2
3301	STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	63	•	•	1	1	1
3302	JUDICIAL ASSISTANT	B	BUSINESS AREA	100 SF	180	•	•	2	2	2
3303	SUPERIOR COURT JUDGE	B	BUSINESS AREA	100 SF	342	•	•	4	3	3
3306	CHIEF DISTRICT COURT JUDGE	B	BUSINESS AREA	100 SF	378	•	•	4	3	3
3307	JUDICIAL ASSISTANT	B	BUSINESS AREA	100 SF	224	•	•	3	2	2
3308	DISTRICT COURT JUDGE	B	BUSINESS AREA	100 SF	258	•	•	3	3	3
3309	JUDICIAL ASSISTANT	B	BUSINESS AREA	100 SF	214	•	•	3	2	2
3310	DISTRICT COURT JUDGE	B	BUSINESS AREA	100 SF	273	•	•	3	3	3
3311	COPY / WORK ROOM	B	BUSINESS AREA	100 SF	90	•	•	1	2	2
3313	JUDICIAL STORAGE	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	322	•	•	2	2	2
3314	JUDICIAL ASSISTANT	B	BUSINESS AREA	100 SF	134	•	•	2	2	2
3315	BREAK ROOM	B	BUSINESS AREA	100 SF	210	•	•	3	2	2
3317	JUDICIAL ASSISTANT	B	BUSINESS AREA	100 SF	137	•	•	2	2	2
3318	JUDICIAL ASSISTANT	B	BUSINESS AREA	100 SF	137	•	•	2	2	2
3320	JUDICIAL ASSISTANT	B	BUSINESS AREA	100 SF	133	•	•	2	2	2

X5

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BXUV/D902 | UL Product IQ

6f. **Intumescent Fire-resistive Materials** — As an alternate to Items 6 through 6D. For use with normal weight or light weight concrete and fluted steel floor and form units only. Mix size WB24 beams shall be primed with a phenolic modified alkyl primer at a thickness of 2 mils or an epoxy primer at a nominal thickness of 1 mil. Coating spray or brush applied in accordance with the manufacturer's instructions at the thicknesses shown below. The thickness includes the thickness of primer. The top surface of the top flange where fluted units are used must be protected with the coating material at the same min dry thickness or filled with nominal 4 pcf mineral wool.

Minimum Dry Thickness mils	Minimum Dry Thickness mm	Beam Size	Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr
35	0.88	WB24	1	2
66	1.68	WB24	1-1/2	3

ISOLATEK INTERNATIONAL — Type WB S. Investigated for Interior General Purpose, Investigated for Exterior Use with top coat as described in item 6G.

NEWKEM PRODUCTS CORP. — Type WB S. Investigated for Interior Conditioned Space and Interior General Purpose, Investigated for Exterior Use with top coat as described in item 6G.

6G. **Top Coat** — (Not Shown) — Type TNEMEC 740 required for Exterior Use with Type Spray-Fiber WB5, applied at a minimum dry thickness of 7 mils over the intumescent material.
See Classification information in the **Mastic and Intumescent Coating (ICDZ)** category, Isolatak International, for mixing requirements.

6H. **Sprayed Fiber Insulation** — (Optional, Not Shown) — Spray applied fiber insulation, Classified to Surface Burning Characteristics (BMS7), having a maximum applied density of 3.5 pcf, applied over Spray-Applied Fire Resistive Material (Item 6) on both steel floor and form units (Item 4) and supports (Item 1). Sprayed fiber insulation may be over Spray-Applied Fire Resistive Material (Item 6) according to the following tables:

Allowable Spray-Applied Fiber Insulation Thickness Over Beam									
Installed SFRM Thickness (in.) on Beam				SFRM Density (pcf)					
	13	15	17.5	22	22 (Type HP)	44	47		
3/8	6-3/4	4	4-11/16	5-7/8	8	8	8		
7/16	6-1/2	3-3/4	4-3/8	5-1/2	8	8	8		
1/2	6-1/4	3-1/2	4-1/16	5-1/8	8	8	8		
9/16	6-1/16	3-3/16	3-3/4	4-11/16	8	8	8		
5/8	5-13/16	3-2-15/16	3-7/16	4-5/16	8	8	8		
11/16	5-9/16	2-11/16	3-1/8	3-15/16	8	8	8		

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10/16

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	5	5	5	5	5	5	5
1	5	5	5	5	5	5	5
1-1/8	5	4-13/16	5	5	5	5	5
1-1/4	5	4-5/16	5	5	5	5	5
1-3/8	5	3-3/4	5	5	5	5	5
1-9/16	5	2-15/16	4-5/16	5	5	5	5
1-3/4	5	2-1/8	3-1/8	5	5	5	5
2-1/16	5	13/16	1-3/16	5	5	5	5
2-1/4	5	0	0	5	5	5	5
3-1/4	0	0	0	0	0	0	0

THERMACOUSTICS IND. — Type TC-417

6I. **Sprayed Fiber Insulation** — (Optional, Not Shown) — Spray applied fiber insulation, Classified to Surface Burning Characteristics (BMS7), having a maximum applied density of 2.8 pcf, applied over Spray-Applied Fire Resistive Material (Item 6) on both steel floor and form units (Item 4) and supports (Item 1). Sprayed fiber insulation may be over Spray-Applied Fire Resistive Material (Item 6) according to the following tables:

Allowable Spray-Applied Fiber Insulation Thickness Over Beam

Installed SFRM Thickness (in.) on Beam	SFRM Density (pcf)						
	13	15	17.5	22	22 (Type HP)	44	47
5/16	5	5	5	5	5	5	5
3/8	5	5	5	5	5	5	5
1/2	5	5	5	5	5	5	5
9/16	5	5	5	5	5	5	5
5/8	5	5	5	5	5	5	5
11/16	5	5	5	5	5	5	5
3/4	5	5	5	5	5	5	5
13/16	5	5	5	5	5	5	5
15/16	5	5	5	5	5	5	5
1	5	4-11/16	5	5	5	5	5
1-1/16	5	4-3/8	5	5	5	5	5
1-1/8	5	4	4-11/16	5	5	5	5

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13/16

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15A. **Foamed Plastic** — (Not Shown) — For use only with cellular or perlite concrete. Nominal 24 by 48 in. polystyrene foamed plastic insulation boards having a density of 1.0 (+ or -) 0.1 pcf, encapsulated within concrete topping. Each insulation board shall contain six nominal 3 in. diameter holes oriented in two rows of three holes each with the holes spaced 12 in. OC transversely and 16 in. OC longitudinally.
See **Foamed Plastic (B9X)** category in Building Materials Directory or **Foamed Plastic (CCVW)** category in Fire Resistance Directory for list of Classified companies.

16. **Roof Covering Materials** — (Optional, Not Shown) — Consisting of materials compatible with insulations described herein which provide Class A, B or C coverings.
See Built-Up Roof Covering Materials in Building Materials Directory.

17. **Insulated Concrete** — (Optional, Not Shown) — Various types of insulated concrete prepared and applied in the thickness indicated.

A. **Vermiculite Concrete** — Mix consists of 6 cu ft of Vermiculite Aggregate*, 94 lbs of Portland cement and 6 ox of air entraining agent. Thickness to be 2 in min from the top plane of steel roof deck.
ELASTIZELL CORP OF AMERICA — Types MS16-U, MSV 230.

B. **Perlite Concrete** — Mix consists of 6.2 cu ft **Perlite Aggregate*** to 94 lbs of Portland cement and 1-1/2 pt air entraining agent. Compressive strength 80 psi min.
See **Perlite Aggregate (CFR)** category for names of Classified companies.

18. **Wall and Partition Facings and Accessories** — (Optional, Not Shown) Sound barrier for use with Items 19, 20 or 21 Acoustic Sleeper Pads stapled or adhered to the underside of the subflooring panels spaced 24 in. OC.
STC ARCHITECTURAL PRODUCTS L L C DBA STC SOUND CONTROL — Acoustic Sleeper

19. **Structural Cement Fiber Units*** — (Optional, Not Shown) — (For use with Item 18) - Min 3/4 in. thick tongue and groove structural cement fiber board loosely laid over concrete.
CORNERSTONE INNOVATIVE SPECIALTIES, LLC — AMROC Panel

UNITED STATES GYPSUM CO — Types STRUCTO-CRETE, USGP

20. **Building Units*** — (Optional, Not Shown) — (For use with Item 18) - Panels loosely laid over concrete.
DRAGONBOARD USA L L C — Type DiagonalBoard, DiagonalBoard Flooring

21. **Wood Structural Panels** — (Optional, Not Shown) - (For use with Item 18) - Min 23/32 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor," loosely laid over concrete, as one layer or as two layers.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2025-04-24

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16/16

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BXUV/X642 | UL Product IQ



UL Product IQ*

Design/System/Construction/Assembly Usage Disclaimer

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

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
See [General Information for Fire Resistance Ratings - ANSI/UL 263 Certified for United States](#)
Design Criteria and Allowable Variations

See [General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada](#)
Design Criteria and Allowable Variations

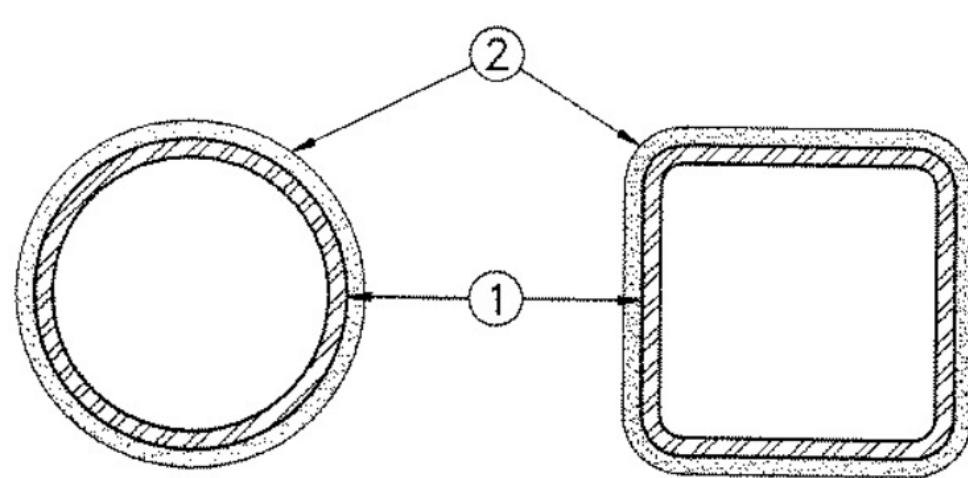
Design No. X642

February 28, 2023

Ratings - 3/4, 1, 1-1/2 and 2 Hr (See Item 2)
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BXUV/X642 | UL Product IQ



1. **Steel Column** — Square, rectangular or circular tubular steel columns with the minimum sizes shown in the table below. Steel columns shall be free of dirt, loose scale and oil. Column shall be primed with metal alkylid primer.

2. **Mastic and Intumescent Coating*** — Coating applied in accordance with manufacturer's instructions to the minimum dry film thickness shown below:

Rating, hr	Steel Column Size	Column A/P		Required Min Thickness, in.
		A/P		
3/4	SP 4 diam x 3/16 in.	0.18	0.102	
3/4	ST 5 x 3 x 1/4 in.	0.22	0.130	
3/4	ST 8 x 6 x 5/16 in.	0.29	0.065	
3/4	ST 10 x 10 x 1/2 in.	0.46	0.035	
1	ST 5 x 3 x 5/16 in.	0.27	0.130	
1	ST 12 x 12 x 1/2 in.	0.47	0.045	
1	SP 10 in. diam x 5/16 in.	0.30	0.111	
1-1/2	SP 10 in. diam x 5/16 in.	0.30	0.130	
1-1/2	ST 12 x 12 x 1/2 in.	0.47	0.095	
2	SP 8 in. diam x 1/2 in.	0.47	0.191	
2	ST 8 x 8 x 1/2 in.	0.47	0.186	

A/D Fire Protection Systems Inc. — Types "TIREFILM III" or "TIREFILM III C" investigated for Interior Conditioned Space Purpose and Interior General Purpose.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2023-02-28

<https://q.ulprospector.com/en/profile/?e=15397>

3/3

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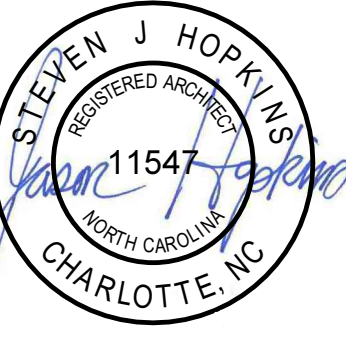
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3/3



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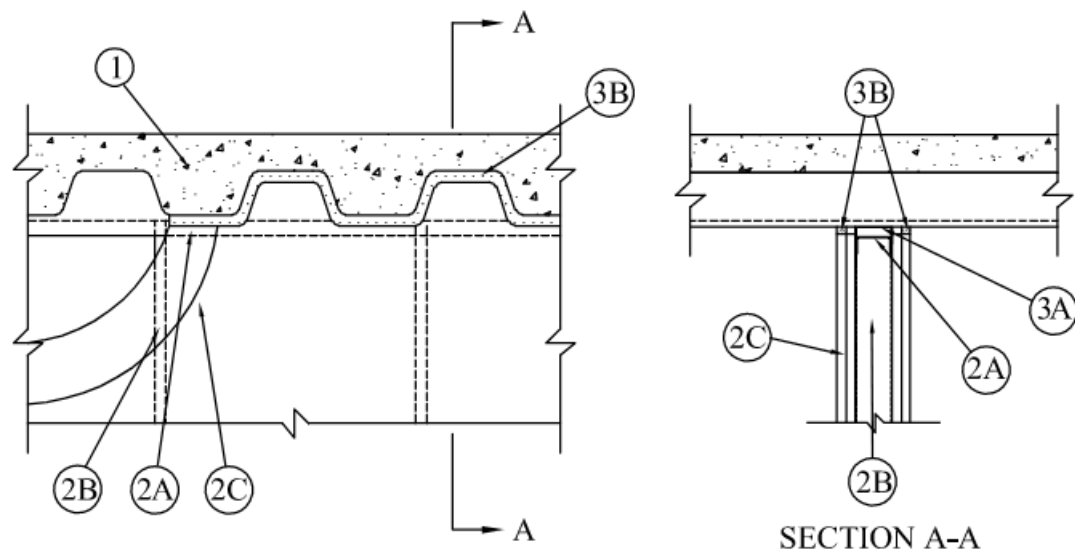
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REVISIONS

DATE DESCRIPTION

System No. HW-D-0111

January 24, 2006
Assembly Ratings - 1 and 2 Hr (See Item 2)
L Rating At Ambient - Less Than 1 CFM/Lin Ft
L Rating At 400 F - Less Than 1 CFM/Lin Ft
Nominal Joint Width - 3/4 in.
Class II Movement Capabilities - 17% Compression or Extension



1. **Floor Assembly** - The fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
- A. **Steel Floor and Form Units*** - Max 3 in. (76 mm) deep galv fluted units.
- A1. **Spray Applied Fire Resistive Materials*** - (Optional, not shown) - After the installation of ceiling runner or deflection channel (Items 2A, 2A1, 3A) and prior to the installation of the Fill, Void or Cavity Materials (Item 3B), the steel floor units may be sprayed with fire resistive material in accordance with the specifications in the individual D700 Series Design.
- W. R. GRACE & CO., CORP.**
CONSTRUCTION PRODUCTS DIV - Type MK-6-HY
- B. **Concrete** - Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.
2. **Wall Assembly** - The 1 or 2 fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
- A. **Steel Floor and Ceiling Runners** - Floor and ceiling runners of wall assembly shall consist of min 1-1/4 in. (32 mm) or 2 in. (51 mm) galv steel channels for D900 and D 700 Series Designs, respectively, sized to accommodate steel studs (Item 2B). When U-shaped deflection channel (Item 3A) is used, ceiling runner installed within the deflection channel with 1 in. (25 mm) gap maintained between the top of ceiling runner and top of deflection plate. When deflection channel is not used, ceiling runner is installed perpendicular to direction of fluted steel deck prior to application of the spray-applied fire resistive material and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When slotted ceiling runner is used, deflection channel (Item 3A) shall not be used.
- A1. **Light Gauge Framing*** - **Slotted Ceiling Runner** - As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel deck prior to application of the spray-applied fire resistive material and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When slotted ceiling runner is used, deflection channel (Item 3A) shall not be used.
- MEFA-LITE, INC.** - The System
SCAFFOLD STEEL STUD MANUFACTURING CO
SLIPTRACK SYSTEMS INC. - SLP-TRK
- A2. **Light Gauge Framing*** - **Clipped Ceiling Runner** - As an alternate to the ceiling runner in Items 2A and 2A1, clipped runner to consist of galv steel channel with clips preformed in track flanges which positively engage the inside flange of the steel studs (Item 2B). Track sized to accommodate steel studs (Item 2B). Track flanges to be min 2-1/2 in. (64 mm). Clipped ceiling runner installed perpendicular to direction of fluted steel deck prior to application of the spray-applied fire resistive material and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When clipped ceiling runner is used, deflection channel (Item 3A) shall not be used.
- TOTAL STEEL SOLUTIONS L.L.C.** - Snap Trak
- A3. **Light Gauge Framing*** - **Notched Ceiling Runner** - As an alternate to the ceiling runners in Items 2A through 2A2, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed perpendicular to direction of fluted steel floor deck prior to application of the spray-applied

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3M Fire Protection Products
www.3m.com/firestop

HW-D-0111 • 1 of 2

Product Support Line: 1-800-328-1687
Circle option 4 for FAX OR E-MAIL

69

Construction Joints

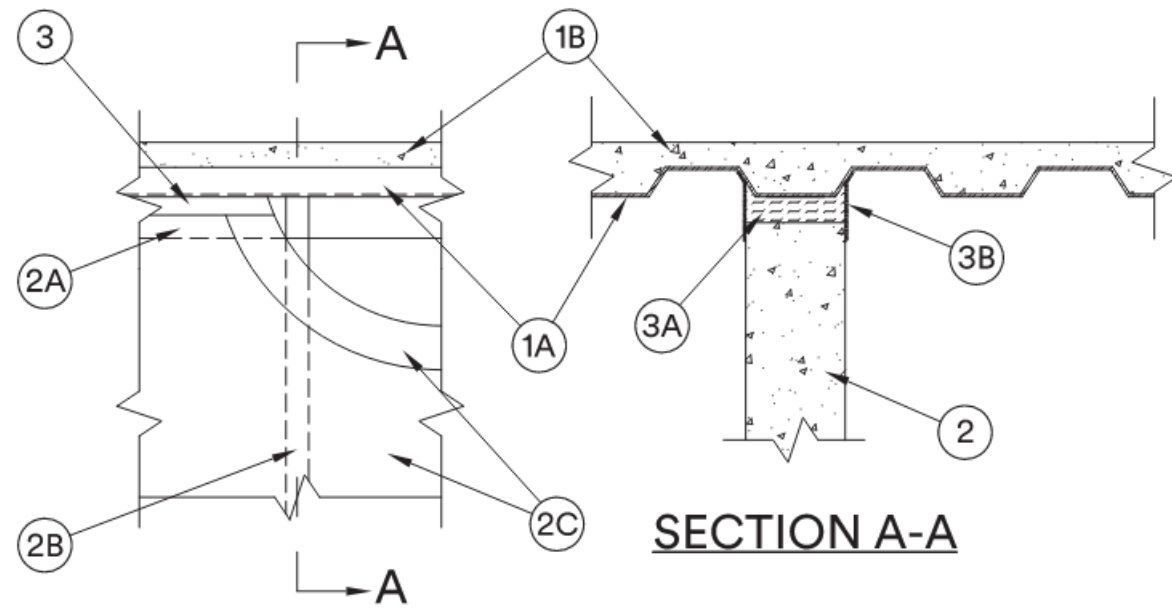
Head of Wall

HWD



UL System No. HW-D-0030
XHBN - Joint Systems
XHBN7 - Joint Systems Certified for Canada
January 23, 2018

ANSI/UL2079	CAN/ULC S115
Assembly Rating - 2 Hr	F Rating - 2 Hr
Nominal Joint Width - 1 in.	F.T. Rating - 2 Hr
Class II Movement Capabilities - 19% Compression or Extension	FH Rating - 2 Hr
L Rating At 400 F - Less Than 1 CFM/Lin Ft (See Item 3B)	FTH Rating - 2 Hr
	Nominal Joint Width - 25 mm
	Class II Movement Capabilities - 19% Compression or Extension
	L Rating At Ambient - Less Than 1.55 L/s/lin m (See Item 3B)
	L Rating At 204°C - Less Than 1.55 L/s/lin m (See Item 3B)



1. **Floor Assembly** - The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
- A. **Steel Floor and Form Units*** - Max 3 in. (76 mm) deep galv steel fluted floor deck.
- A1. **Spray Applied Fire Resistive Material*** - (Optional, not shown) - Prior to the installation of the Forming Material and Fill, Void or Cavity Materials (Items 3A and 3B), the steel floor units may be sprayed with a min 5/16 in. (8 mm) to max 1/16 in. (17 mm) thickness of fire resistive material.
- GC/APPLIED TECHNOLOGIES INC.** - Type MK 6/HY
- B. **Concrete** - Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.
- 1A. **Roof Assembly** - (Not Shown)-As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 or P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
- A. **Steel Roof Deck** - Max 3 in. (76 mm) deep galv steel fluted roof deck.
- B. **Roof Insulation** - (P-900 Series) - Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.
- C. **Roof Insulation** - Mineral and Fiber Board* - (P-700 Series) - Min 3/4 in. (19 mm) thick boards applied in one or more layers directly over steel or over gypsum board sheathing laid atop steel roof deck.

3M Industrial Adhesives and Tapes
Fire Protection Products
3M Center, Building 230-B-S-37
St. Paul, MN 55144-1000

HW-D-0030 • 1 of 2

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Appligator and Specifier Guide
http://3M.com/firestop 1-800-328-1687

HWD

Construction Joints

Head of Wall

HWD

UL System No. HW-D-0030 (cont.)

- D. **Spray Applied Fire Resistive Material*** - (P700 Series, not shown)-Prior to the installation of the Deflective Channel, Forming Material and Fill, Void or Cavity Material (Items 3A, 3B, 3C), the steel floor units may be sprayed with a min 5/16 in. (8 mm) to max 1/16 in. (17 mm) thickness of fire resistive material.
- GC/APPLIED TECHNOLOGIES INC.** - Type MK 6/HY
2. **Wall Assembly** - Min 6-1/8 in. (156 mm) thick steel-reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*.
- See **Concrete Blocks** (CAZT) category in Fire Resistance Directory for names of manufacturers.
3. **Joint System** - Max separation between bottom of floor or roof and top of wall is 1 in. (25 mm). The joint system is designed to accommodate a max 19 percent compression or extension from its installed width. The joint system consists of a forming material and a fill material, as follows:
- A. **Forming Material*** - Min 6-1/2 in. (165 mm) thickness of min 4 pcf (84 kg/m³) density mineral wool batt insulation cut a min of 20 percent wider than the gap between the top of the wall and bottom of the steel floor or roof deck. Mineral wool to be compressed and firmly packed into the gap between the top of the wall and bottom of the steel floor or roof deck.
- INDUSTRIAL INSULATION GROUP L.L.C.** - Min/Wool-1200 Saffing
ROCK WOOL MANUFACTURING CO. - Delta Board or Delta-8
ROCKWOOL MALAYSIA SDN BHD - Type Safe
ROCKWOOL - Type Safe
- THERMAFIBER INC.** - Type SAF
- B. **Fill, Void or Cavity Material*** - Min 1/16 in. (1.6 mm) dry thickness (min 1/16 in. or 3.2 mm wet thickness) of fill material sprayed or brushed on each side of the wall between the top of the wall and the bottom of the steel floor or roof deck to completely cover mineral wool and overlap a min of 1/2 in. (13 mm) onto wall and steel floor or roof deck on both sides of wall. When the steel floor or roof deck is coated with spray applied material, the fill material shall overlap min 2 in. (51 mm) onto the spray applied material.
- 3M COMPANY** - FireDam® Spray 200
- B1. **Fill, Void or Cavity Material*** - **Tape** - As an alternate to Item B, Tape out to size and press applied along length of joint to completely cover mineral wool and lap min 1 in. (25 mm) onto the steel floor units, or min 2 in. (51 mm) onto the spray applied fire resistive material (Item B1) on the steel floor units, and min 1 in. (25 mm) onto concrete wall. Adjoining lengths of Tape shall overlap min 1/2 in. (13 mm). Tape shall be applied at both sides of wall.
- 3M COMPANY** - 3M Fire and Water Barrier Tape



UL Ratings apply only when FireDam® Spray 200 is used.
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HW-D-0030 • 2 of 2

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HWD

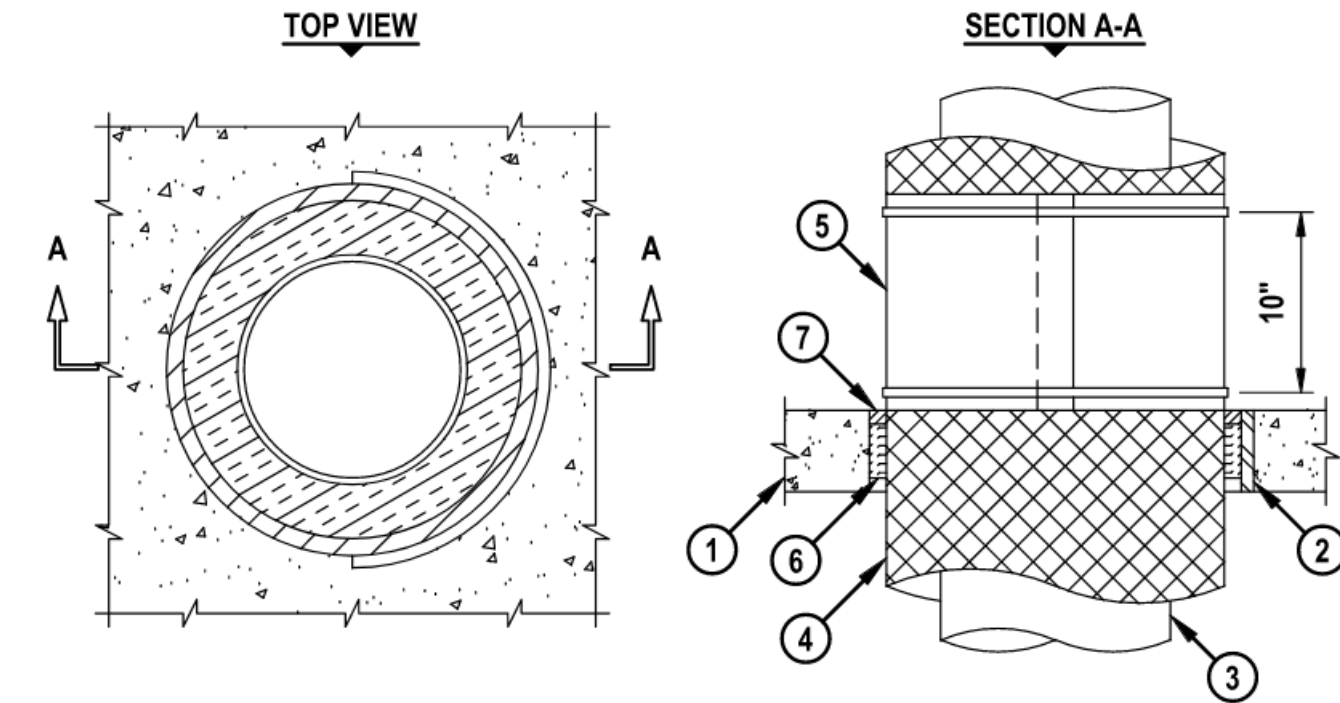
Construction Joints

Head of Wall

HWD

UL/cUL SYSTEM NO. C-AJ-5069
INSULATED METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F-RATING = 2-HR.
T-RATING = 0-HR. OR 1-HR.



1. **CONCRETE FLOOR OR WALL ASSEMBLY (2-HR FIRE-RATING)** :
- A. **LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).**
- B. **ANY UL/CUL CLASSIFIED CONCRETE BLOCK WALL.**
2. **[OPTIONAL] MAXIMUM 22" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 40).**
3. **PENETRATING ITEM TO BE ONE OF THE FOLLOWING :**
- A. **MAXIMUM 12" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 40 OR HEAVIER).**
- B. **MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.**
4. **FOAMGLASS® PIPE INSULATION (1-1/2" TO 3" THICKNESS).**
5. **MINIMUM 12" LONG JACKET FORMED OF MINIMUM 0.010" THICKNESS STEEL OR ALUMINUM SHEET SECURED IN PLACE WITH 2 STEEL BAND CLAMPS. ENDS OF JACKET TO OVERLAP BY A MINIMUM 2".**
6. **MINIMUM 3" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.**
7. **MINIMUM 3/4" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.**

NOTES : 1. ANNULAR SPACE = MINIMUM 3/4" MAXIMUM 3".
2. MINIMUM 3/4" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT AND SHEET METAL JACKET ARE REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.

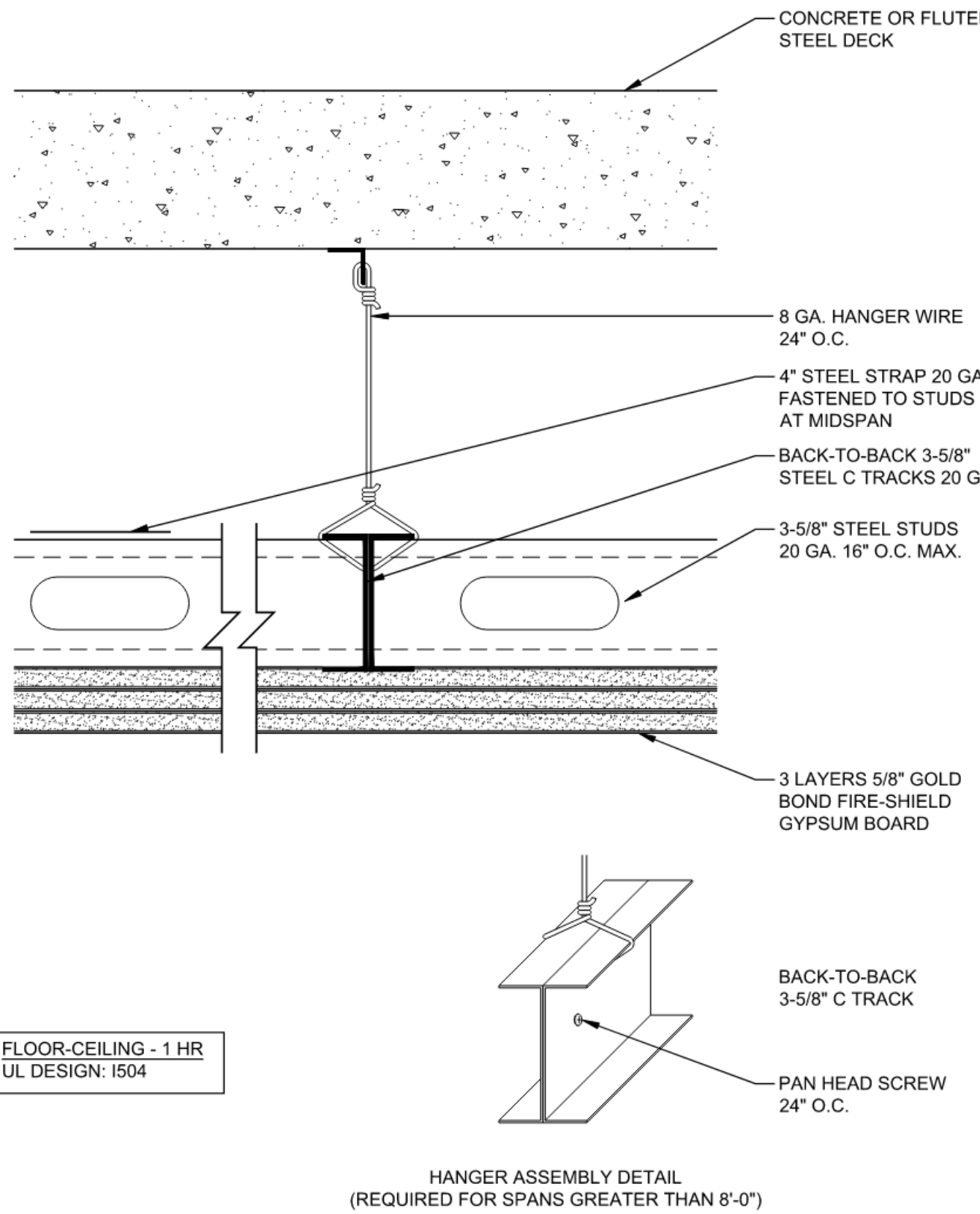
HILTI
Hilti Firestop Systems

HILTI, Inc.
Plano, Texas USA (800) 879-8000

Sheet 1 of 1
Scale 3/32" = 1"
Date Jan. 30, 2018

Drawing No. CAJ 5069j

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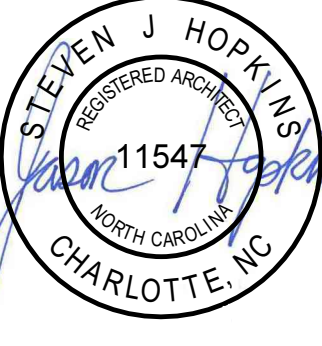


DATE: 09/01/18
SCALE: 3/8"=1'-0"

1 HOUR HORIZONTAL MEMBRANE
DETAIL: HM-101

National Gypsum
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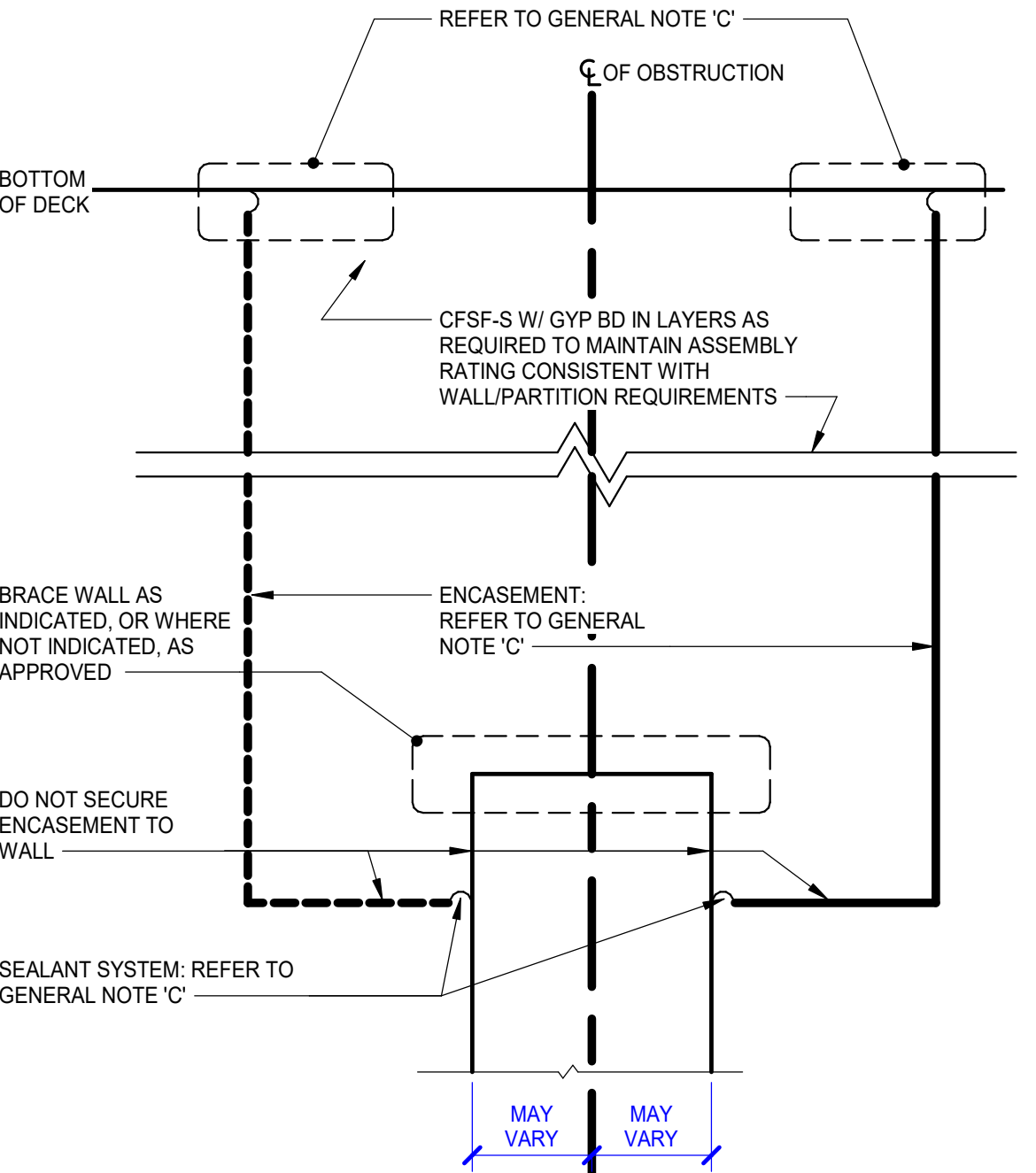
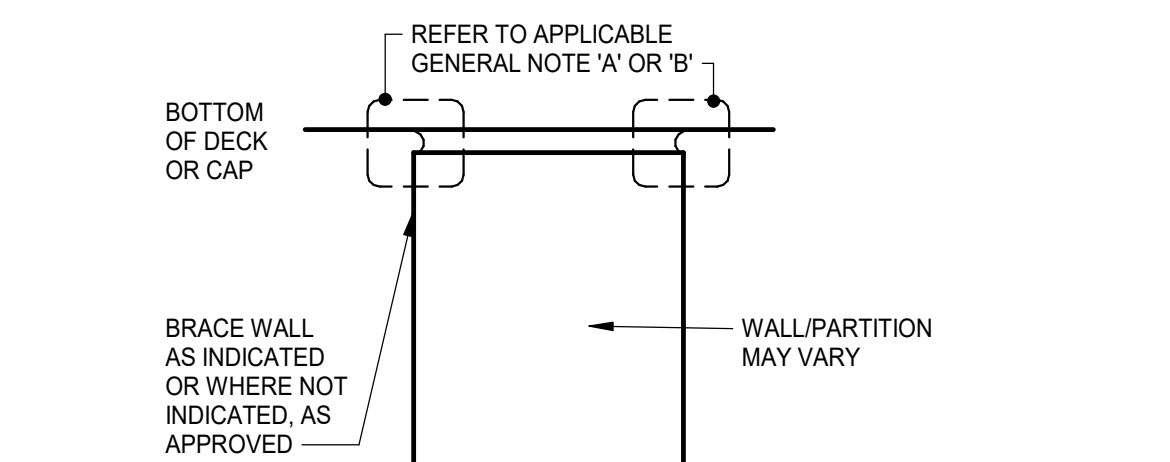
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HALIFAX, NC 27839


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DATE: 10/1/2025
REVISIONS
DATE DESCRIPTION

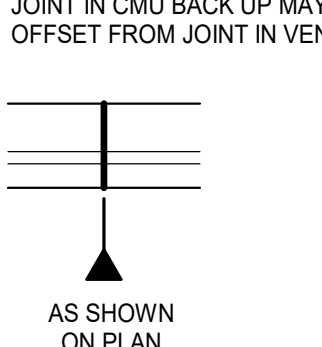
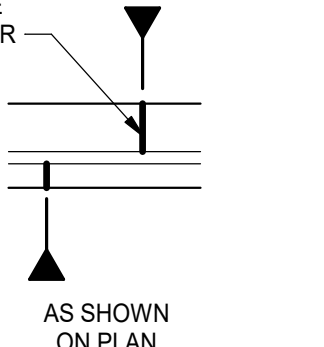
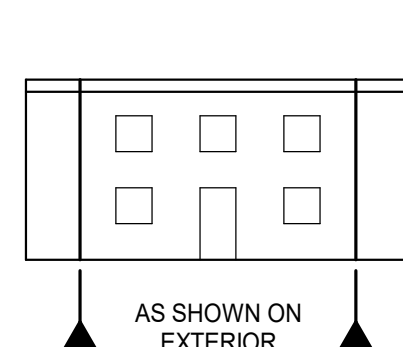
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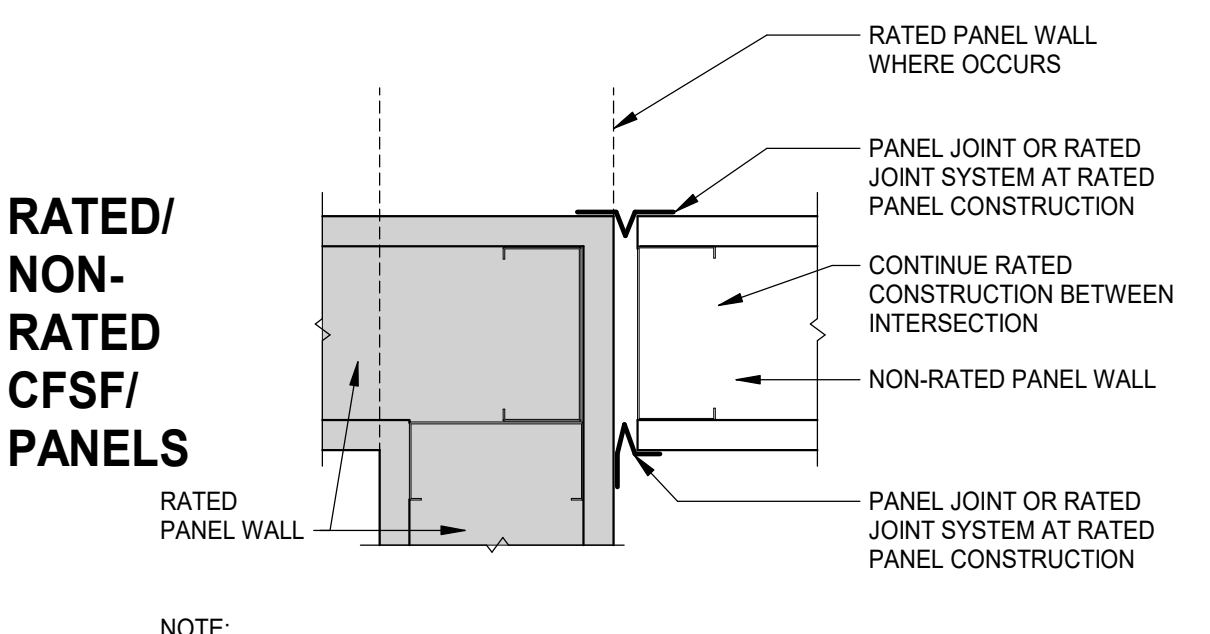
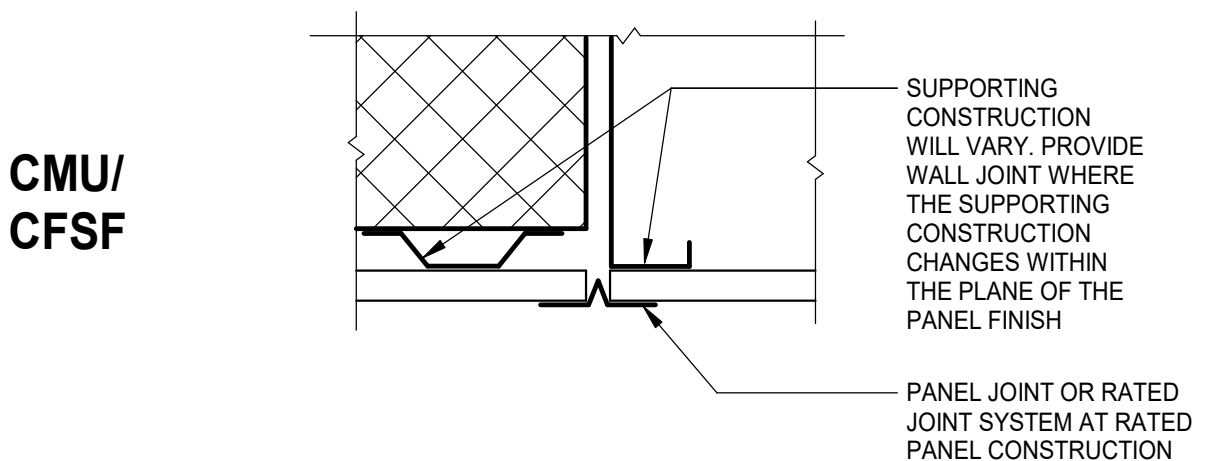
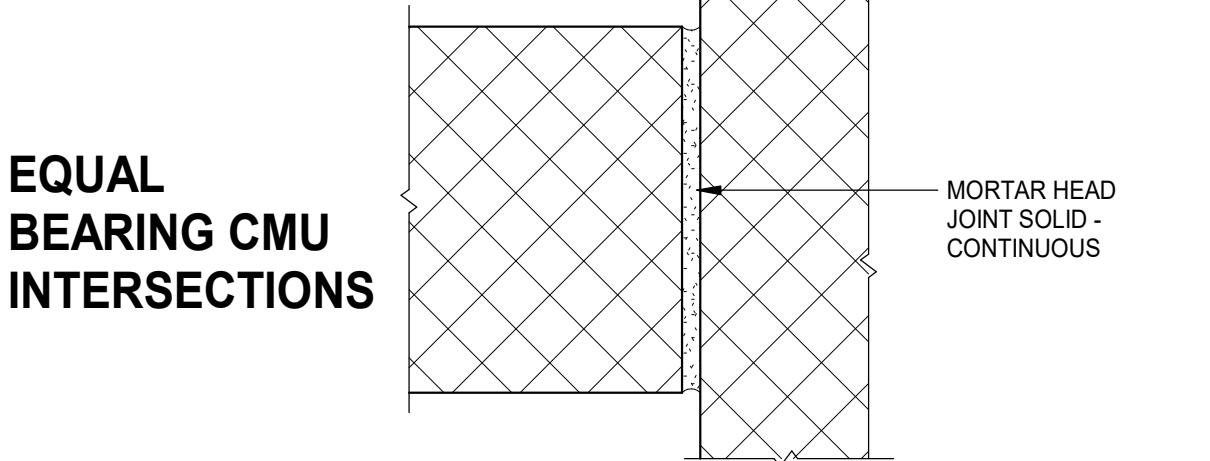
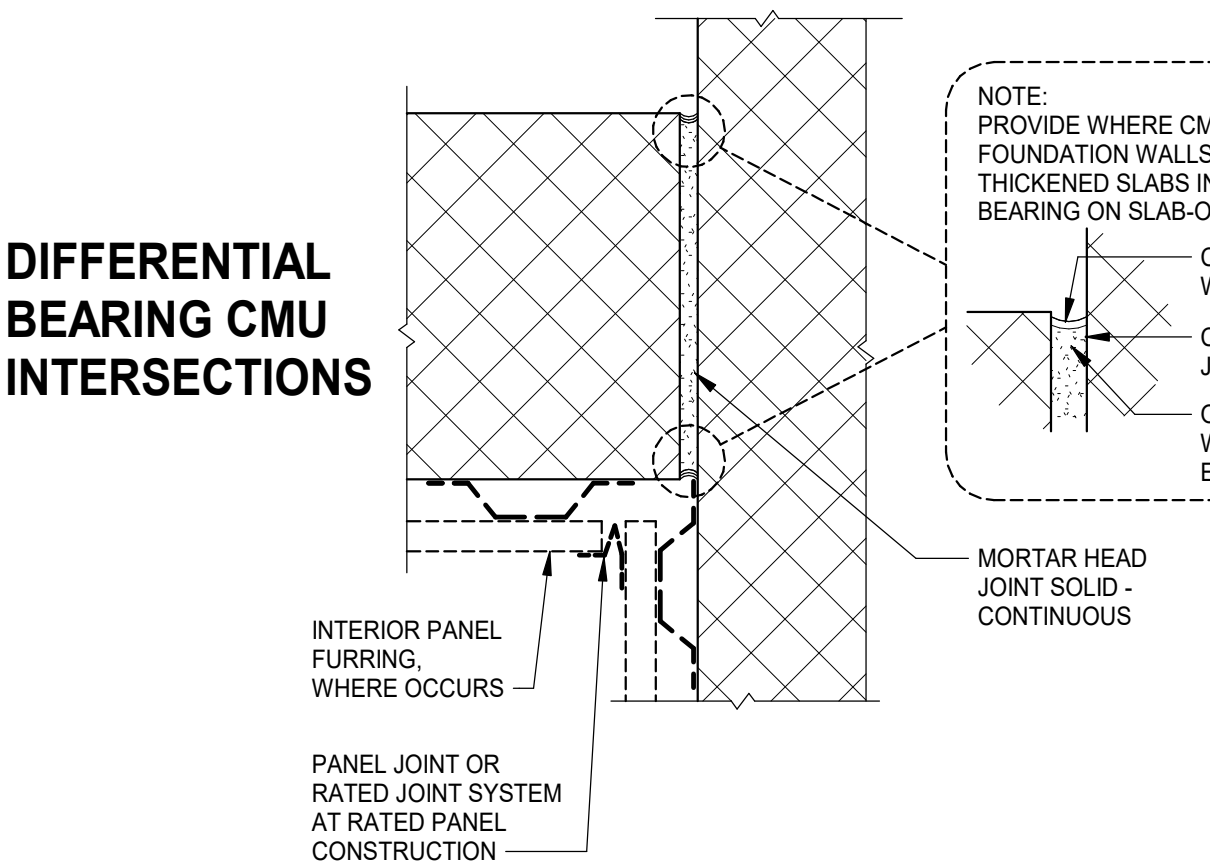
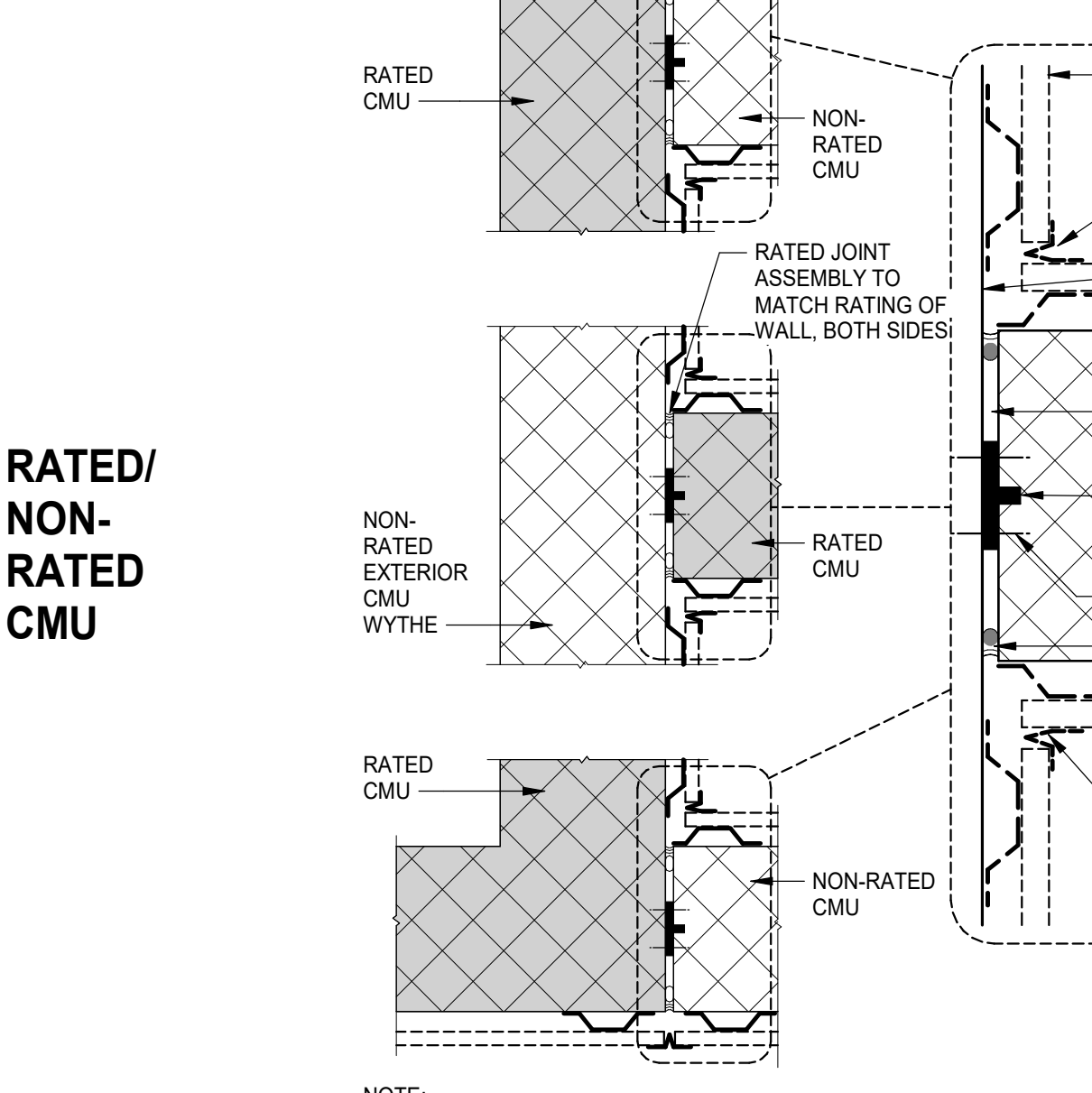
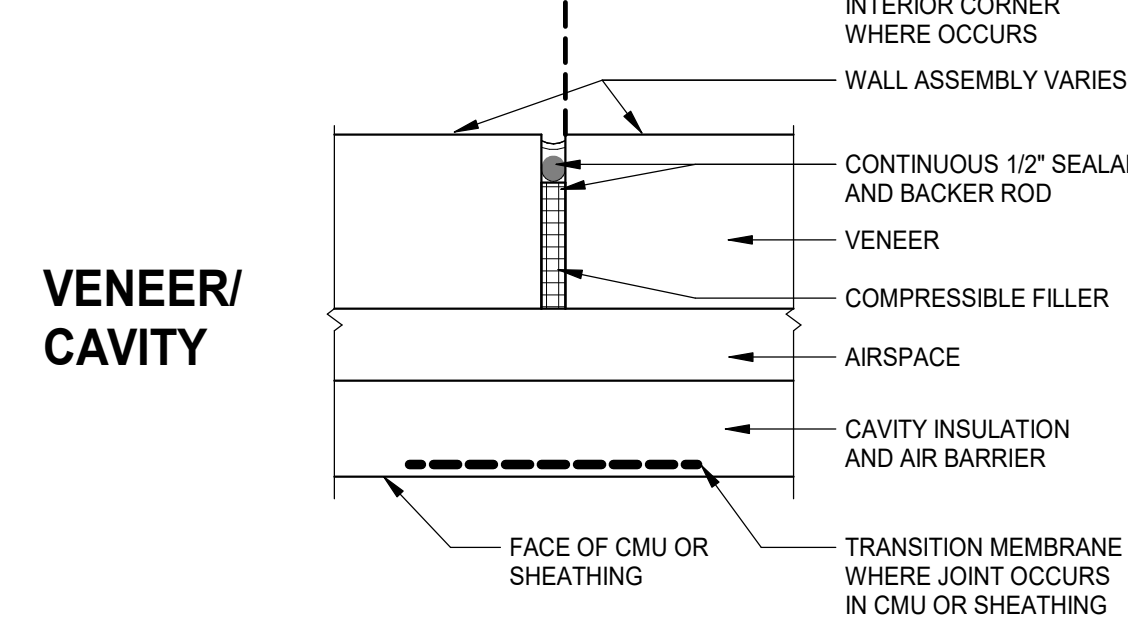
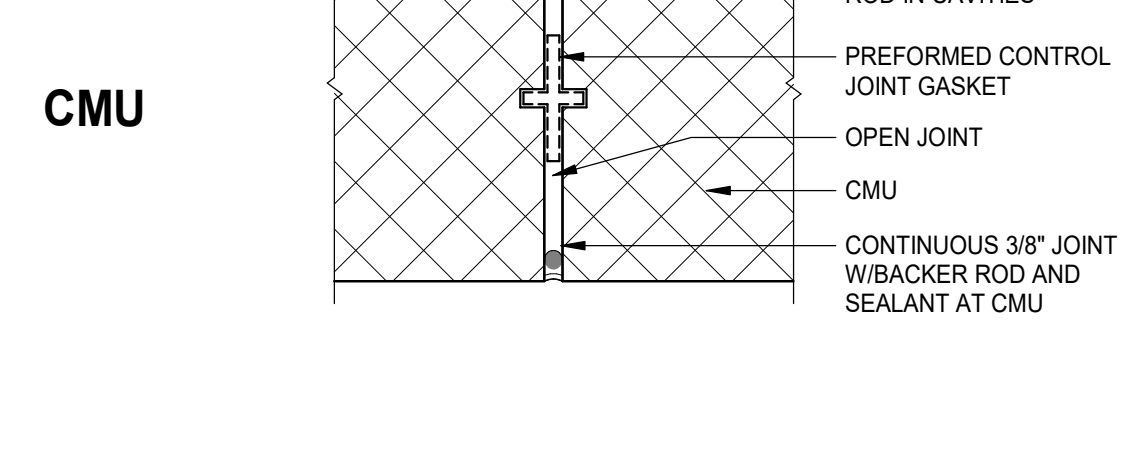
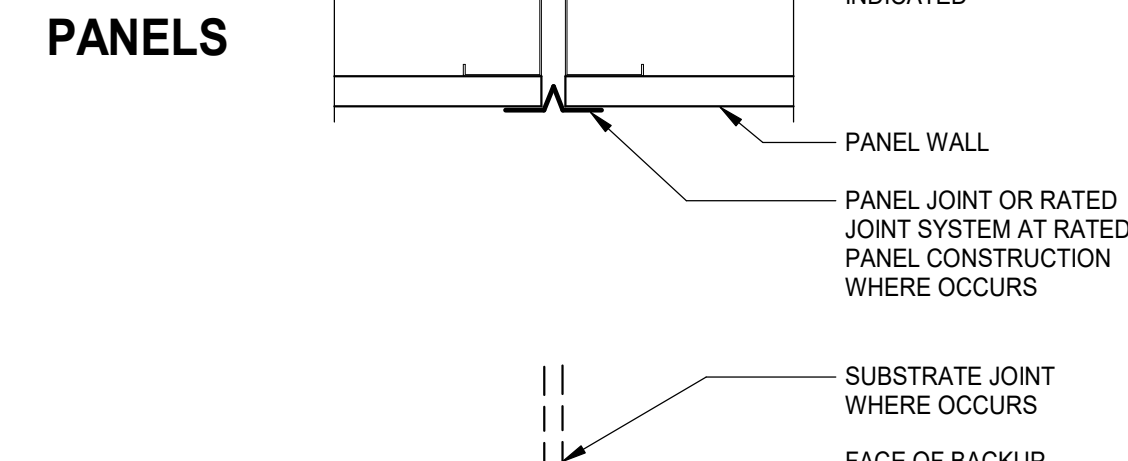
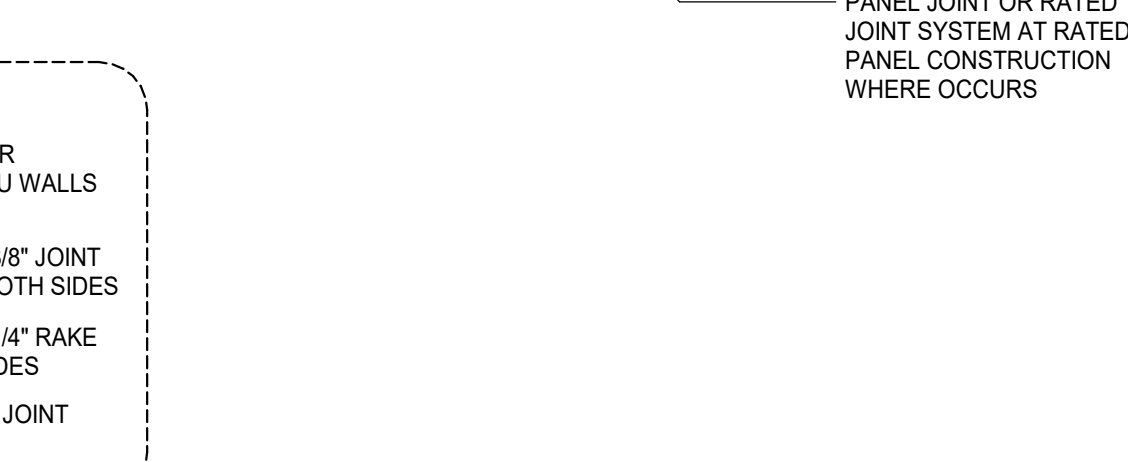
LS3.5

TERMINATION GENERAL NOTES
A. AT FIRE-, SMOKE-, AND ACOUSTICALLY RATED WALLS: SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G. CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS. BRACE WALL AS INDICATED OR REQUIRED.
B. AT ALL OTHER WALLS INDICATED TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK/CAP: SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G. CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES). BRACE WALL AS INDICATED OR REQUIRED.
C. AT ALL WALLS PREVENTED FROM TERMINATING AT THE UNDERSIDE OF FLOOR/ROOF DECK BY OBSTRUCTIONS, COMPLY WITH THE FOLLOWING: <ul style="list-style-type: none">• AT FIRE-, SMOKE-, AND ACOUSTICALLY RATED WALLS: ENCASE OBSTRUCTION(S) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.• AT SECURITY WALLS: TERMINATE IN ACCORDANCE WITH SECURITY PARTITION REQUIREMENTS.• AT OTHER WALLS: ENCASE OBSTRUCTIONS ON ONE SIDE.• SEAL ENCASMENT TO WALL AND SEAL ENCASMENT TO DECK IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS AND TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.


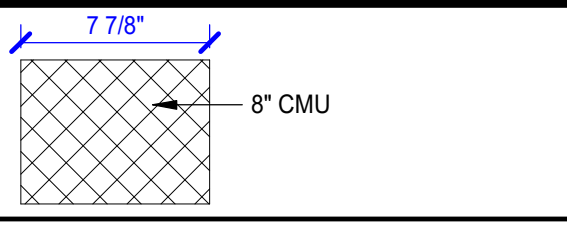
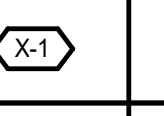
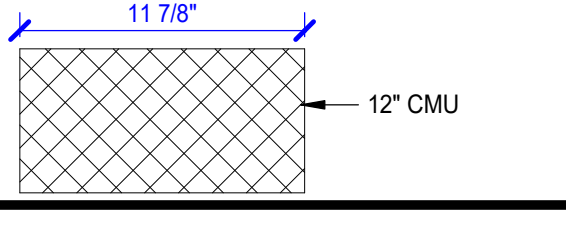
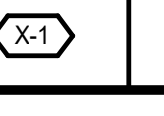
TERMINATIONS

HEAD-OF-WALL TERMINATION @ OBSTRUCTION OBSTRUCTION MAY VARY (BEAM, JOIST, GIRDER, CHANNEL, DUCTWORK, PIPING)

HEAD-OF-WALL TERMINATION @ NON-OBSTRUCTION


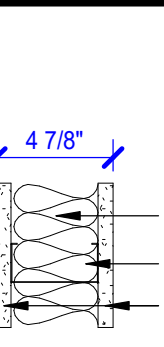

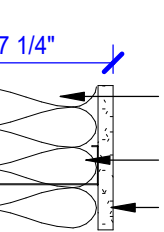
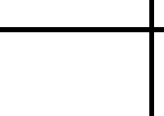
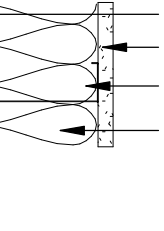
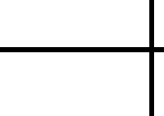
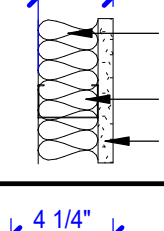
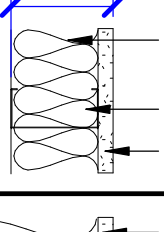
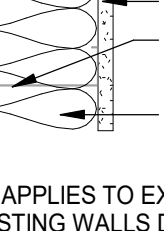


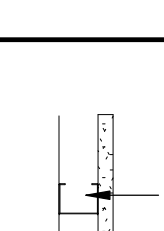

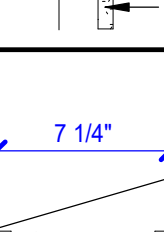

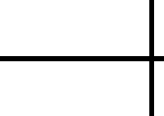
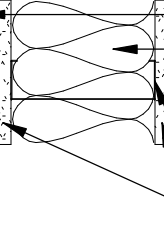
WALL JOINT GENERAL NOTES
A. LOCATE CONTROL JOINTS IN INTERIOR AND EXTERIOR WALLS AS INDICATED ON DRAWINGS.
B. JOINTS ARE INDICATED THUS  ON PLANS AND ELEVATIONS.
C. WALLS AND JOINT TYPES/DETAILS ARE DIAGRAMMATIC. ADJUST JOINT TYPES/DETAILS IN ACCORDANCE WITH ACTUAL FIELD CONDITIONS.
D. PROVIDE TESTED JOINT ASSEMBLIES AT FIRE-, SMOKE-, AND ACOUSTICAL-RATED WALLS.
E. WHEN USED HEREIN "RATED" MEANS: FIRE, SMOKE, AND/OR ACOUSTICAL.
F. REFER TO SPECIFICATIONS FOR ADDITIONAL WALL JOINT REQUIREMENTS.

EXTERIOR WALL JOINT GRAPHICS




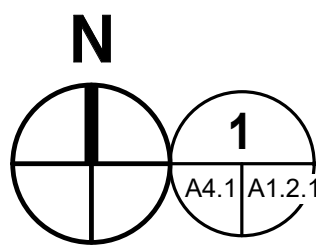
WALL JOINTS
RATED/ NON-RATED CFSF/ PANELS  NOTE: RATED WALL SHADED FOR CLARITY THIS DETAIL
CMU/ CFSF 
EQUAL BEARING CMU INTERSECTIONS 
DIFFERENTIAL BEARING CMU INTERSECTIONS 
RATED/ NON-RATED CMU  NOTE: RATED WALLS SHADED FOR CLARITY THIS DETAIL
VENEER/ CAVITY 
CMU 
CFSF/ PANELS 
PANEL 

WALL/PARTITION TYPE GENERAL NOTES
A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR SUCH AS CERAMIC TILE DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.
B. EXTEND WALL/PARTITION ASSEMBLY COMPONENTS FULL HEIGHT OF ASSEMBLY.
C. ALL INTERIOR MASONRY UNIT PARTITIONS: M1 UNLESS INDICATED OTHERWISE.
D. ALL INTERIOR CFSF PANEL PARTITIONS: P1 UNLESS INDICATED OTHERWISE.
E. REFER TO STRUCTURAL DRAWINGS AND RELATED SPECIFICATIONS FOR SOLID MASONRY, GROUTING, AND REINFORCEMENT REQUIREMENTS INCLUDING BUT MAY NOT BE LIMITED TO: <ul style="list-style-type: none">• MASONRY WALLS/PARTITIONS• LINTELS• LINTEL BEARING CONDITIONS• BOND BEAMS• SHELF BEARING CONDITIONS• STRUCTURAL REINFORCING REQUIREMENTS• CHANGES IN WYTHE
F. THE TERMS "WALL" AND "PARTITION" MAY BE USED INTERCHANGEABLY THROUGHOUT THE CONTRACT DOCUMENTS.
G. EXTEND ALL FIRE-, SMOKE-, INCIDENTAL USE-, AND ACOUSTICAL-RATED WALLS/PARTITIONS TO UNDERSIDE OF FLOOR DECK, ROOF DECK, STRUCTURAL ELEMENT ENCASMENT OR SOLID CAP ABOVE. <ul style="list-style-type: none">• SEAL AND TERMINATE IN ACCORDANCE WITH JOINT SYSTEM TESTED ASSEMBLIES FOR RESPECTIVE TYPE OF WALLS/PARTITIONS.
H. PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE: <ul style="list-style-type: none">• EXTEND 4 INCHES MINIMUM ABOVE HIGHEST ADJACENT FINISH CEILING UNLESS INDICATED OTHERWISE.
I. DO NOT CONNECT TIES, ANCHORS, OR REINFORCING TO SINGLE CANTILEVERED FIRE WALL OR BETWEEN DOUBLE FIRE WALLS.
J. SEAL AROUND ALL PENETRATIONS.
K. COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE DRAWINGS.
L. WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.
M. FINISHED SPACES: PROVIDE CHASES AROUND ALL EXPOSED VERTICAL COMPONENTS, INCLUDING BUT NOT LIMITED TO: DUCTWORK, PIPING, AND CONDUIT, UNLESS COMPONENTS ARE SPECIFICALLY INDICATED TO REMAIN EXPOSED. IF NOT OTHERWISE INDICATED, PROVIDE P5/P8 CHASE CONSTRUCTION. <ul style="list-style-type: none">• HOLD CHASES TIGHT TO COMPONENTS ALLOWING FOR ACCESS, INSULATION, AND TOLERANCES.• EXTEND CHASES FROM FLOOR TO 4 INCHES MINIMUM ABOVE FINISH CEILING OR IF NO CEILING IS INDICATED, EXTEND CHASES TO UNDERSIDE OF FLOOR DECK, ROOF DECK, OR SOLID CAP ABOVE AND TERMINATE ACCORDINGLY.
N. PROVIDE BACKER BOARD/UNIT OF SAME THICKNESS INDICATED IN LIEU OF GYPSUM BOARD PANEL AT PORTIONS OF WALLS/PARTITIONS TO RECEIVE TILE.

MASONRY UNIT WALL/PARTITION TYPES			
REPRESENTED BY 			
MARK	FIRE RATED ASSEMBLY	REMARKS	INFORMATION
M1	--	--	
M1-1		UL905	
M2	--	--	
M2-1		UL905	

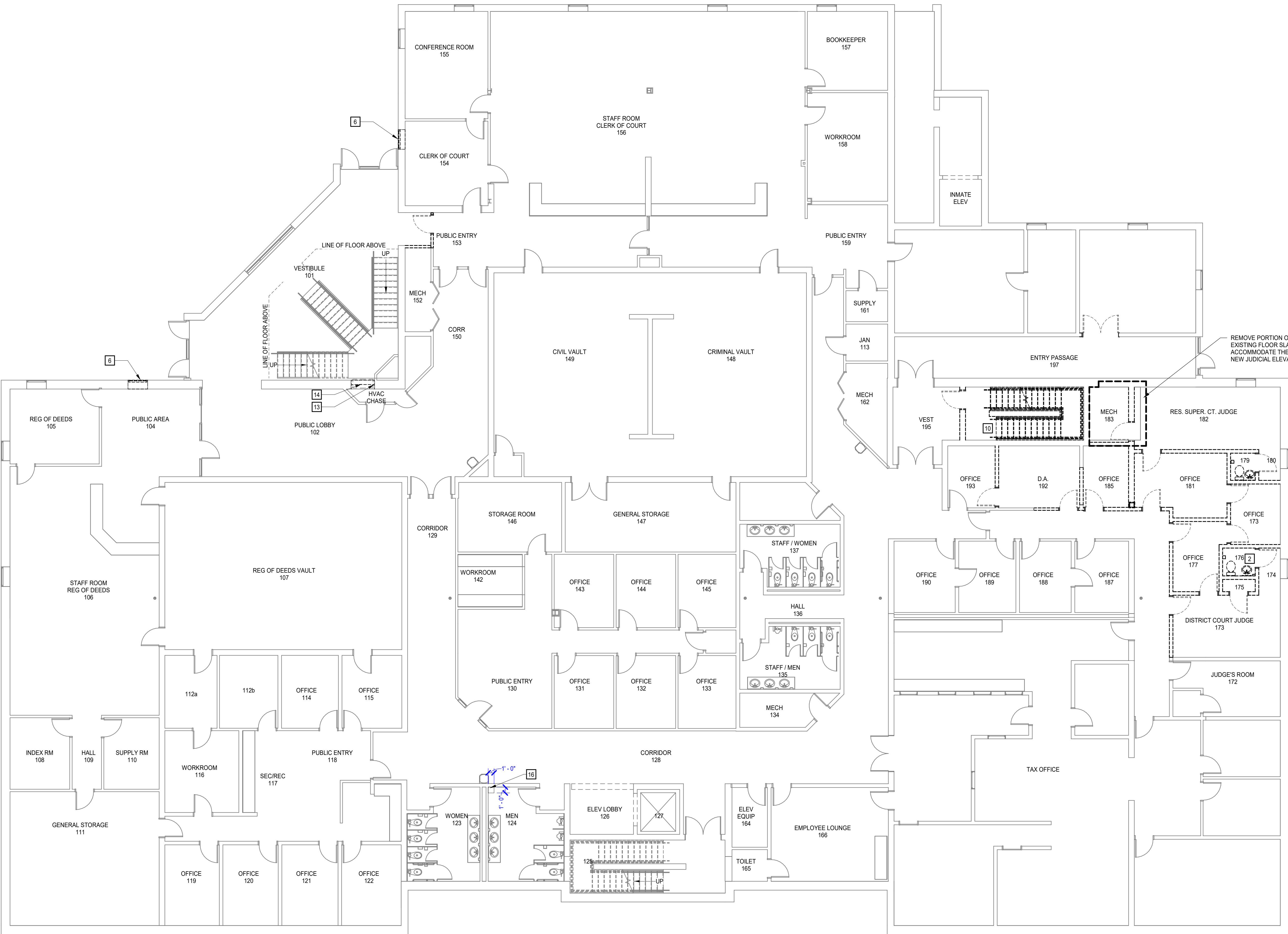
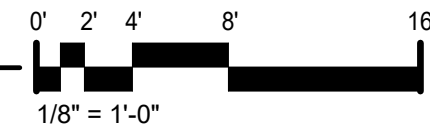
PANEL WALL/PARTITION TYPES			
REPRESENTED BY 			
MARK	FIRE RATED ASSEMBLY	REMARKS	INFORMATION
P1	--	--	
P1-1		UL465	
P2	--	--	
P2-1		UL465	
P3	--	--	
P3-1		UL465	NOTES: 1. EXTEND PARTITIONS TO DECK. 2. THE (2) LAYERS TYPE X GB SHALL BE CONTINUOUS ON INSIDE FACE OF COURTROOM, OFFICE, CONFERENCE ROOM.
P4	--	--	
P5	--	--	
P6	--	--	
P7	--	--	
P8	--	--	
P9	--	--	
P9-1		UL465	
P10	--	--	
P10-1		UL465	
P11-1		UL415	

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DEMOLITION FLOOR PLAN - LEVEL 1

1/8" = 1'-0"



DEMOLITION PLAN LEGEND

APPLIES TO DRAWINGS A1.2.1 - A1.2.n

- EXISTING PARTITION/ WALL/ ITEM TO REMAIN
- REMOVE EXISTING PARTITION/WALL/ITEM
- REMOVE EXISTING WINDOW ASSEMBLY AND FRAMING, INCLUDING ANCHORS
- REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).
- REMOVE EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DEMOLITION PLAN FOR ADDITIONAL INFORMATION.

DEMOLITION PLAN GENERAL NOTES

- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. COORDINATE THE SCOPE, DIMENSIONS, AND SCOPE OF DEMOLITION WITH THE PROJECT SCOPE. NOTIFY ARCHITECT OF ANY VARIATION / DISCREPANCIES THAT WILL AFFECT THE WORK PRIOR TO START OF WORK.
 - COORDINATE IN FIELD WITH OWNER ALL EXISTING ITEMS TO BE SLAVAGED PRIOR TO ACTUAL DEMOLITION WORK. SURFACE CLEAN AND STORE ITEMS AS DIRECTED BY THE OWNER. THE OWNER HAS FIRST RIGHT OF REFUSAL ON ALL ITEMS REMOVED FROM THE PROJECT.
 - REFER TO CIVIL/STRUCTURAL/MECHANICAL/PLUMBING/ELECTRICAL DEMOLITION DRAWINGS FOR RELATED DEMOLITION WORK. THE ARCHITECTURAL DEMOLITION DRAWINGS DO NOT INDICATE ALL THE DEMOLITION WORK REQUIRED IN THIS CONTRACT.
 - PATCH TO MATCH ADJACENT SURFACES ALL EXPOSED SURFACES AFFECTED BY DEMOLITION WORK (CIVIL/ARCHITECT/PLUMB/MECH/ELEC) AND WHICH SHALL REMAIN EXPOSED TO VIEW UNLESS SPECIFICALLY NOTED OTHERWISE.
 - KEYED DEMOLITION NOTES WITHOUT LEADERS ARE INTENDED TO APPLY TO THE ENTIRE SPACE UNLESS NOTED OTHERWISE.
 - PROTECT EXISTING FINISHES AND BUILDING ITEMS THAT ARE TO REMAIN FOR THE DURATION OF THE PROJECT.
 - WHEN PARTIALLY OR COMPLETELY REMOVING CMU WALLS, REMOVE CMU A MINIMUM OF 4" BELOW FLOOR SLAB IF ON LOWEST LEVEL. IF THE EXISTING WALL INTERRUPTS A CONC. FLOOR SLAB, REPAIR THE SLAB TO ACCEPT THE FINISHES INDICATED.
 - REFER TO DRAWING A1.2.3 FOR DEMOLITION REQUIREMENTS ON THE EXISTING ROOF AREAS.
 - TOOTH IN MASONRY AT ADDED FRAME LOCATIONS AND DEMOLITION PORTIONS OF PARTITIONS INTO EXISTING PARTITIONS TO MATCH EXISTING COURSE AND PATTERN - UNLESS SPECIFICALLY DIRECTED OTHERWISE. DEMOLISH EXTENT OF EXISTING PARTITION TO ALLOW TOOTHING OF MASONRY.
- NOTE: ALL EXISTING INFORMATION WAS DETERMINED FROM DRAWINGS PROVIDED BY THE OWNER AND NON-DESTRUCTIVE OBSERVATIONS. REVIEW EXISTING CONDITIONS TO THE EXTENT THAT AFFECTS THE SCOPE OF DEMOLITION AND THE WORK.

DEMOLITION PLAN KEYNOTES

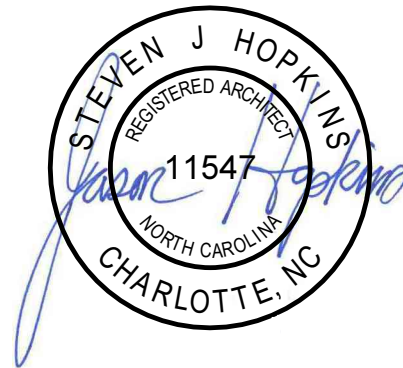
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APPLIES TO DRAWINGS A1.2.1 - A1.2.3

- REMOVE WATER CLOSET
- REMOVE LAV
- REMOVE TOILET ACCESSORIES
- REMOVE EXISTING LOUVER
- REMOVE EXISTING WINDOW
- REMOVE PORTION OF EXISTING SHINGLED ROOF
- REMOVE EXISTING DORMER WALLS AND ROOF
- REMOVE EXISTING LOUVER
- REMOVE EXISTING STAIR
- REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).
- PATCH AND REPAIR ROOF AND MATCH ROOFING WITH EXISTING
- REMOVE EXISTING GRILLE, PATCH AND REPAIR WALL
- EXISTING DUCT RELOCATED, PATCH AND REPAIR WALL TO MAINTAIN THE 1 HR FIRE RATING
- DEMOLISH AND REPLACE COLUMN WRAP/ FINISHES TO ACCESS EXISTING COLUMN FOR SUPPLEMENTAL REINFORCING FULL HEIGHT, PATCH AND REPAIR
- DEMO FLOOR FOR PLUMBING CHASE, PATCH, REPAIR AND PAINT WALLS

MOSELEYARCHITECTS

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PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM



10/01/2025



HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO: 623324
DATE: 10/1/2025
REVISIONS
DATE DESCRIPTION

DEMOLITION FLOOR
PLAN - LEVEL 1

A1.2.1

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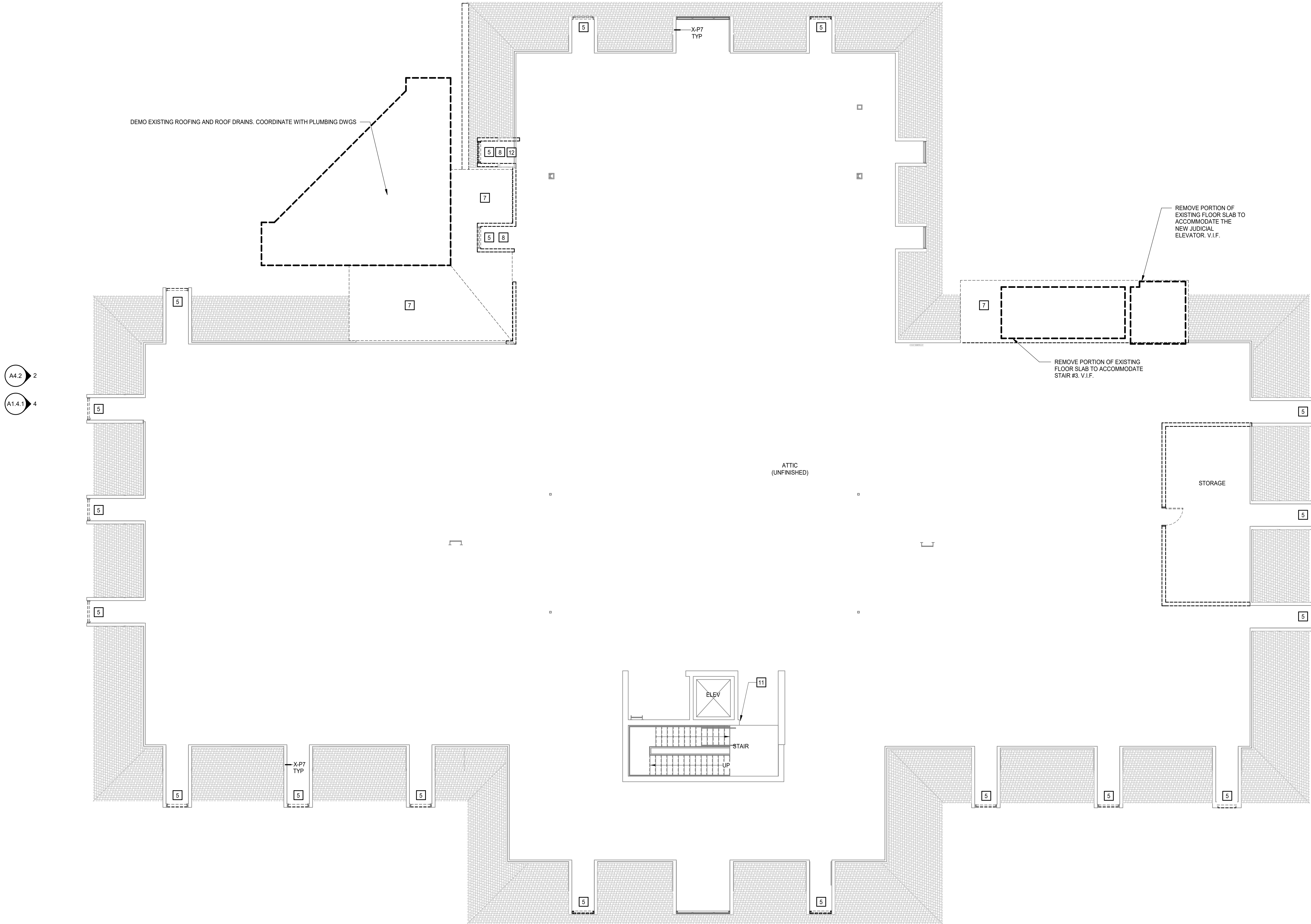
J
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1
A4.1 A1.2.3 1/8" = 1'-0"

DEMOLITION FLOOR PLAN - LEVEL 3

1
A1.4.1

A1.4.1
3



0' 2' 4' 8' 16'
1/8" = 1'-0"

DEMOLITION PLAN LEGEND

APPLIES TO DRAWINGS A1.2.1 - A1.2.n

- EXISTING PARTITION/ WALL/ ITEM TO REMAIN
- REMOVE EXISTING PARTITION/ WALL/ ITEM
- REMOVE EXISTING WINDOW ASSEMBLY AND FRAMING, INCLUDING ANCHORS
- REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).
- REMOVE EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DEMOLITION PLAN FOR ADDITIONAL INFORMATION.

DEMOLITION PLAN GENERAL NOTES

- A. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. COORDINATE THE SCOPE, DIMENSIONS, AND SCOPE OF DEMOLITION WITH THE PROJECT SCOPE. NOTIFY ARCHITECT OF ANY VARIATION / DISCREPANCIES THAT WILL AFFECT THE WORK PRIOR TO START OF WORK.
 - B. COORDINATE IN FIELD WITH OWNER ALL EXISTING ITEMS TO BE SLAVAGED PRIOR TO ACTUAL DEMOLITION WORK. SURFACE CLEAN AND STORE ITEMS AS DIRECTED BY THE OWNER. THE OWNER HAS FIRST RIGHT OF REFUSAL ON ALL ITEMS REMOVED FROM THE PROJECT.
 - C. REFER TO CIVIL/STRUCTURAL/MECHANICAL/PLUMBING/ELECTRICAL DEMOLITION DRAWINGS FOR RELATED DEMOLITION WORK. THE ARCHITECTURAL DEMOLITION DRAWINGS DO NOT INDICATE ALL THE DEMOLITION WOK REQUIRED IN THIS CONTRACT.
 - D. PATCH TO MATCH ADJACENT SURFACES ALL EXPOSED SURFACES AFFECTED BY DEMOLITION WORK (CIVIL/ARCH/STRUCT/PLUMB/MECH/ELEC) AND WHICH SHALL REMAIN EXPOSED TO VIEW UNLESS SPECIFICALLY NOTED OTHERWISE.
 - E. KEYED DEMOLITION NOTES WITHOUT LEADERS ARE INTENDED TO APPLY TO THE ENTIRE SPACE UNLESS NOTED OTHERWISE.
 - F. PROTECT EXISTING FINISHES AND BUILDING ITEMS THAT ARE TO REMAIN FOR THE DURATION OF THE PROJECT.
 - G. WHEN PARTIALLY OR COMPLETELY REMOVING CMU WALLS, REMOVE CMU A MINIMUM OF 4" BELOW FLOOR SLAB IF ON LOWEST LEVEL. IF THE EXISTING WALL INTERRUPTS A CONC. FLOOR SLAB, REPAIR THE SLAB TO ACCEPT THE FINISHES INDICATED.
 - H. REFER TO DRAWING A1.2.3 FOR DEMOLITION REQUIREMENTS ON THE EXISTING ROOF AREAS.
 - I. TOOTH IN MASONRY AT ADDED FRAME LOCATIONS AND DEMOLITION PORTIONS OF PARTITIONS INTO EXISTING PARTITIONS TO MATCH EXISTING COURSE AND PATTERN - UNLESS SPECIFICALLY DIRECTED OTHERWISE, DEMOLISH EXTENT OF EXISTING PARTITION TO ALLOW TOOTHING OF MASONRY.
- NOTE: ALL EXISTING INFORMATION WAS DETERMINED FROM DRAWINGS PROVIDED BY THE OWNER AND NON-DESTRUCTIVE OBSERVATIONS. REVIEW EXISTING CONDITIONS TO THE EXTENT THAT AFFECTS THE SCOPE OF DEMOLITION AND THE WORK.

DEMOLITION PLAN KEYNOTES

REPRESENTED BY **n**
APPLIES TO DRAWINGS A1.2.1 - A1.2.3

- 1 REMOVE WATER CLOSET
- 2 REMOVE LAV
- 3 REMOVE TOILET ACCESSORIES
- 5 REMOVE EXISTING LOUVER
- 6 REMOVE EXISTING WINDOW
- 7 REMOVE PORTION OF EXISTING SHINGLED ROOF
- 8 REMOVE EXISTING DORMER WALLS AND ROOF
- 9 REMOVE EXISTING LOUVER
- 10 REMOVE EXISTING STAIR
- 11 REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).
- 12 PATCH AND REPAIR ROOF AND MATCH ROOFING WITH EXISTING
- 13 REMOVE EXISTING GRILLE, PATCH AND REPAIR WALL
- 14 EXISTING DUCT RELOCATED, PATCH AND REPAIR WALL TO MAINTAIN THE 1 HR FIRE RATING
- 15 DEMOLISH AND REPLACE COLUMN WRAP/ FINISHES TO ACCESS EXISTING COLUMN FOR SUPPLEMENTAL REINFORCING FULL HEIGHT, PATCH AND REPAIR
- 16 DEMO FLOOR FOR PLUMBING CHASE, PATCH, REPAIR AND PAINT WALLS

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PROJECT NO: 623324
DATE: 10/1/2025

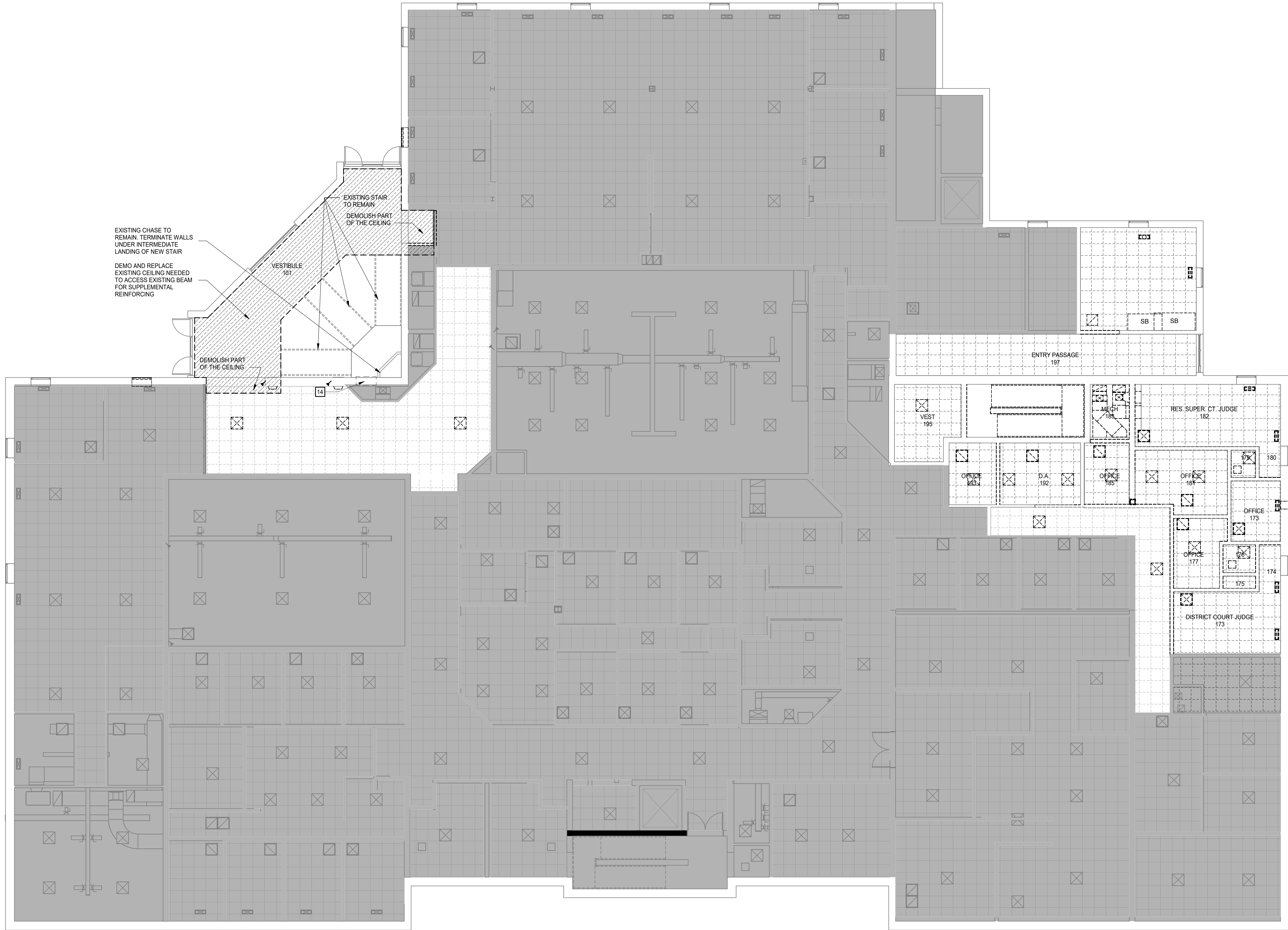
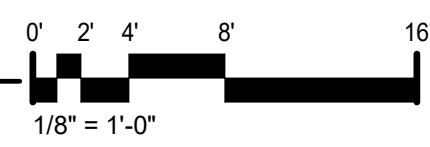
REVISIONS
DATE DESCRIPTION

DEMOLITION FLOOR
PLAN - LEVEL 3

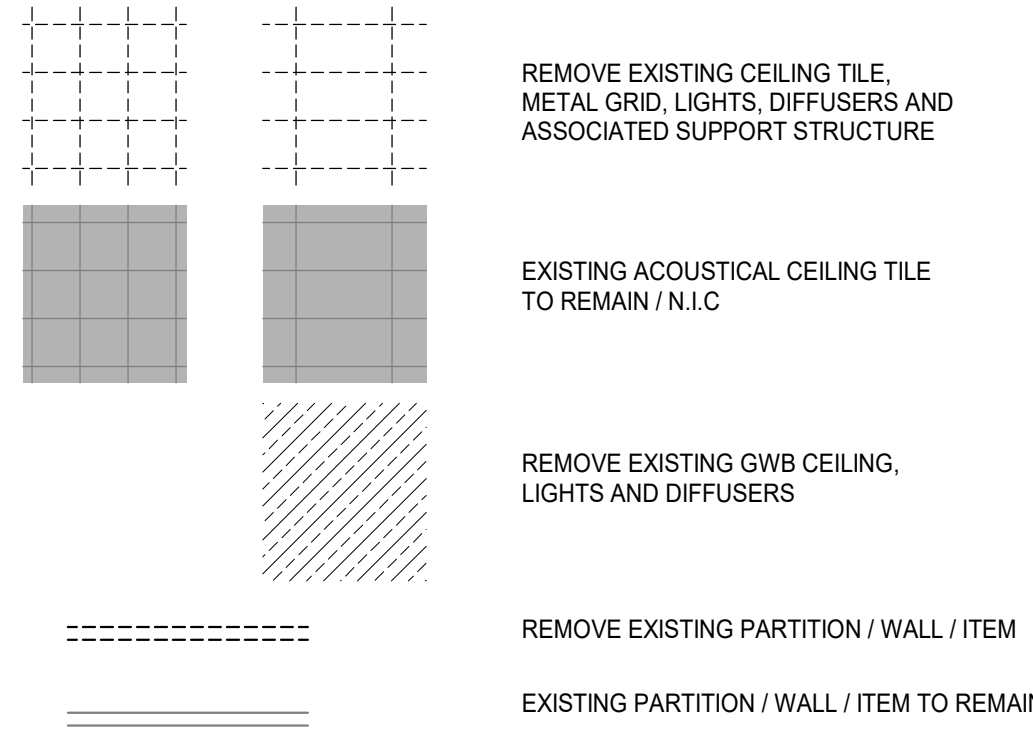
A1.2.3

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1 DEMOLITION REFLECTED CEILING PLAN - LEVEL 1
A4.1 | A1.3.1 1/8" = 1'-0"



CEILING DEMOLITION PLAN LEGEND



GENERAL DEMOLITION RCP NOTES

1. REFER TO MECHANICAL & ELECTRICAL DEMOLITION DRAWINGS FOR LIGHTS, DIFFUSERS, TRANSFER GRILLS, HORNS, STROBES, EXIT SIGNS, SPRINKLERS, AND ANY OTHER EQUIPMENT TO BE SALVAGED.
2. CEILINGS TO REMAIN UNLESS NOTED OTHERWISE.

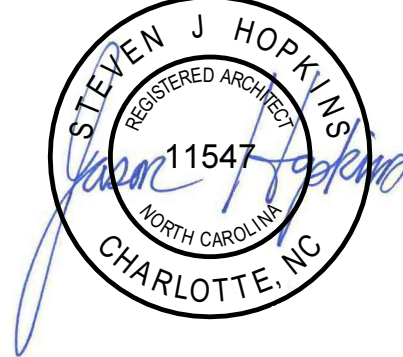
DEMOLITION PLAN KEYNOTES

REPRESENTED BY [Signature]
APPLIES TO DRAWINGS A1.2.1 - A1.2.3

- 1 REMOVE WATER CLOSET
- 2 REMOVE LAV
- 3 REMOVE TOILET ACCESSORIES
- 5 REMOVE EXISTING LOUVER
- 6 REMOVE EXISTING WINDOW
- 7 REMOVE PORTION OF EXISTING SHINGLED ROOF
- 8 REMOVE EXISTING DORMER WALLS AND ROOF
- 9 REMOVE EXISTING LOUVER
- 10 REMOVE EXISTING STAIR
- 11 REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).
- 12 PATCH AND REPAIR ROOF AND MATCH ROOFING WITH EXISTING
- 13 REMOVE EXISTING GRILLE. PATCH AND REPAIR WALL
- 14 EXISTING DUCT RELOCATED, PATCH AND REPAIR WALL TO MAINTAIN THE 1 HR FIRE RATING
- 15 DEMOLISH AND REPLACE COLUMN WRAP/ FINISHES TO ACCESS EXISTING COLUMN FOR SUPPLEMENTAL REINFORCING FULL HEIGHT. PATCH AND REPAIR
- 16 DEMO FLOOR FOR PLUMBING CHASE. PATCH, REPAIR AND PAINT WALLS

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10/01/2025



HALIFAX COUNTY COURTHOUSE

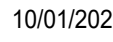
HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO: 623324
DATE: 10/1/2025


REVISIONS
DATE DESCRIPTION

DEMOLITION
REFLECTED CEILING
PLAN - LEVEL 1

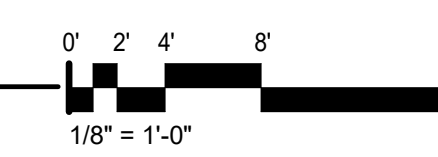
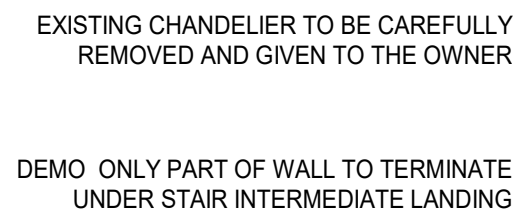
A1.3.1



**HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839**



A1.3.2

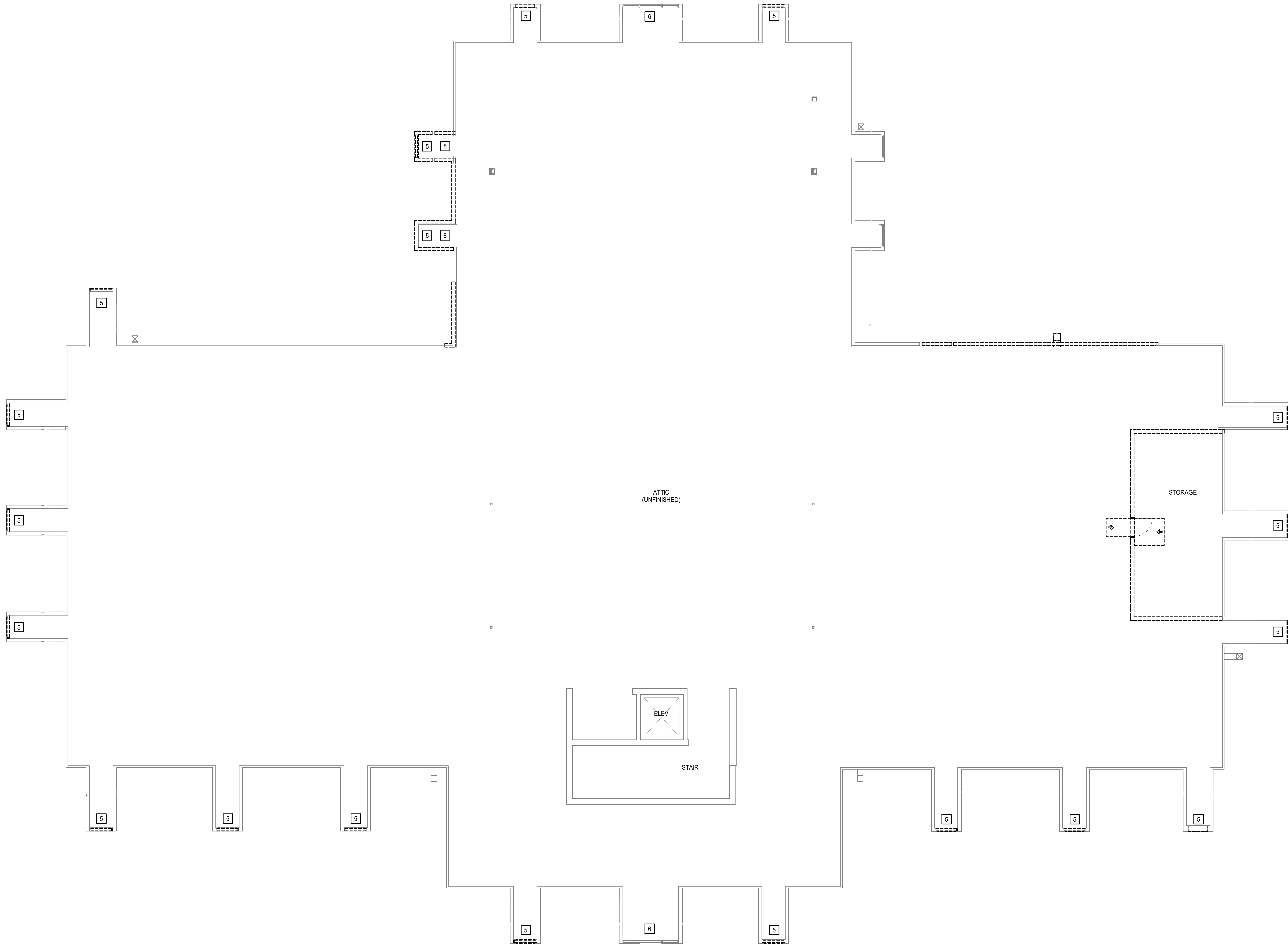
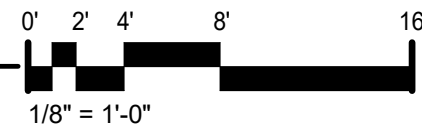


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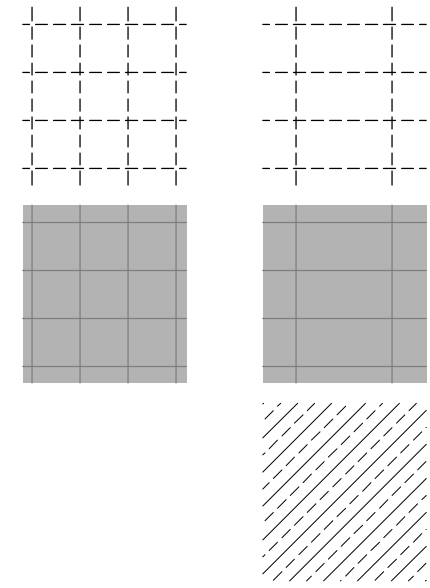
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A4.1 | A1.3.3

DEMOLITION REFLECTED CEILING PLAN - LEVEL 3

1/8" = 1'-0"



CEILING DEMOLITION PLAN LEGEND



REMOVE EXISTING CEILING TILE,
METAL GRID, LIGHTS, DIFFUSERS AND
ASSOCIATED SUPPORT STRUCTURE

EXISTING ACOUSTICAL CEILING TILE
TO REMAIN / N.I.C.

REMOVE EXISTING GWB CEILING,
LIGHTS AND DIFFUSERS

REMOVE EXISTING PARTITION / WALL / ITEM

EXISTING PARTITION / WALL / ITEM TO REMAIN

GENERAL DEMOLITION RCP NOTES

1. REFER TO MECHANICAL & ELECTRICAL DEMOLITION DRAWINGS FOR LIGHTS, DIFFUSERS, TRANSFER GRILLS, HORNS, STROBES, EXIT SIGNS, SPRINKLERS, AND ANY OTHER EQUIPMENT TO BE SALVAGED.
2. CEILINGS TO REMAIN UNLESS NOTED OTHERWISE.

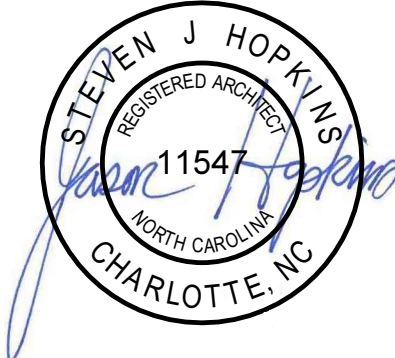
DEMOLITION PLAN KEYNOTES

REPRESENTED BY [Signature]
APPLIES TO DRAWINGS A1.2.1 - A1.2.3

- 1 REMOVE WATER CLOSET
- 2 REMOVE LAV
- 3 REMOVE TOILET ACCESSORIES
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- 10 REMOVE EXISTING STAIR
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- 16 DEMO FLOOR FOR PLUMBING CHASE. PATCH, REPAIR AND PAINT WALLS

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357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO: 623324
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REVISIONS

DATE DESCRIPTION

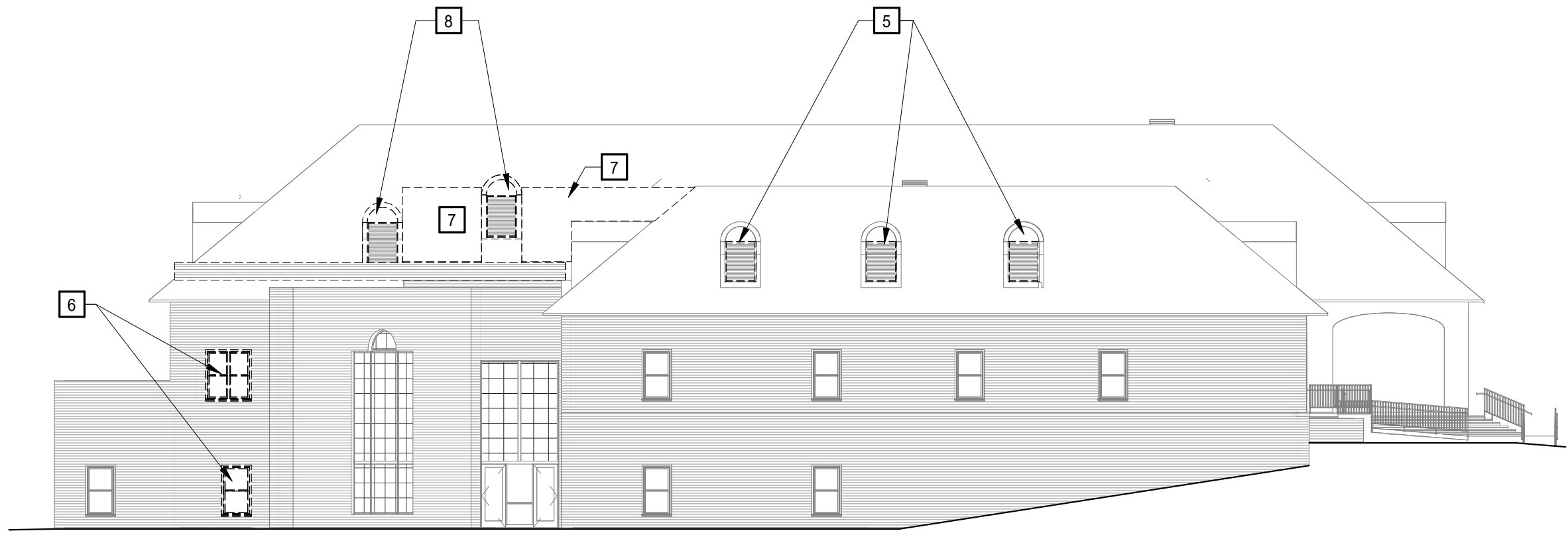
DEMOLITION
REFLECTED CEILING
PLAN - LEVEL 3

A1.3.3

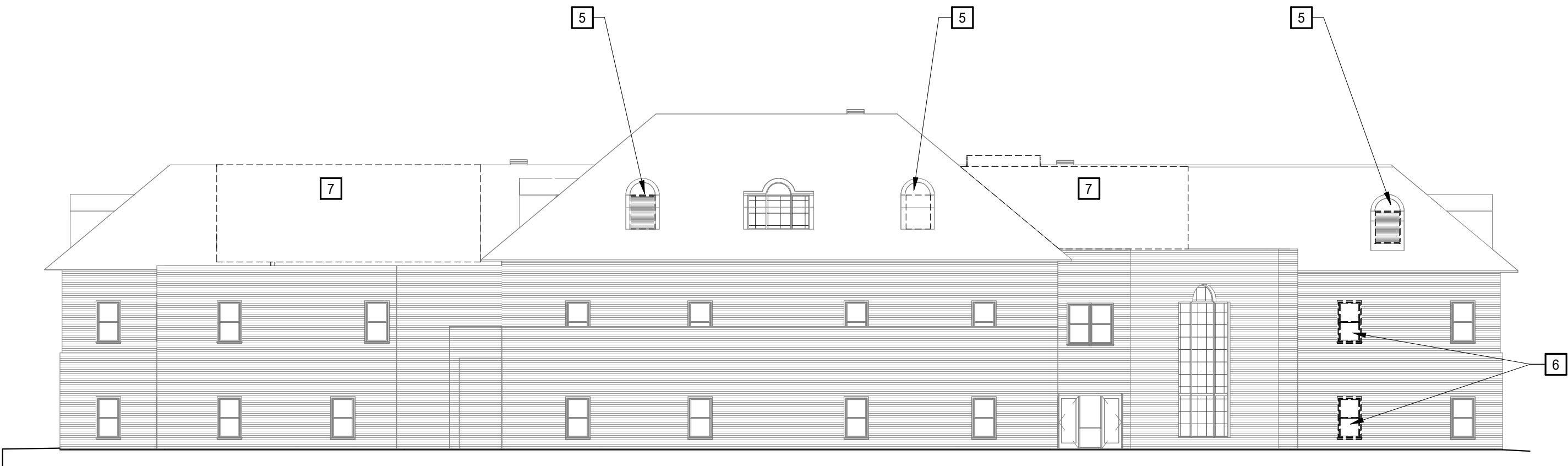
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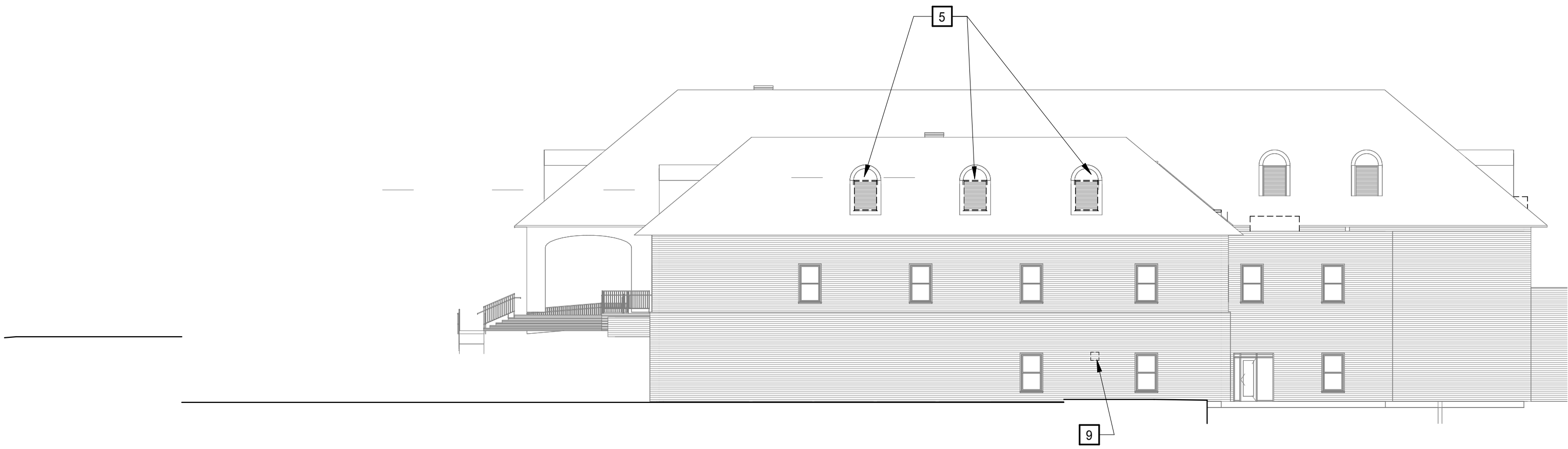
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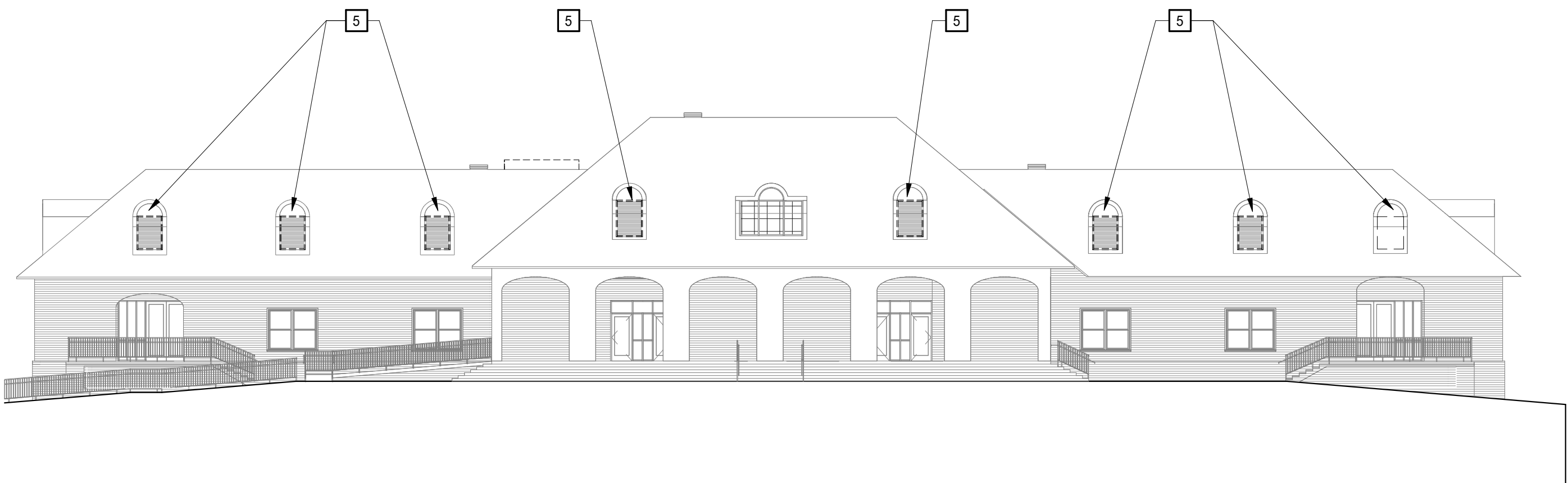
4 DEMOLITION WEST ELEVATION
A1.2.1 | A1.4.1 1/16" = 1'-0"



3 DEMOLITION NORTH ELEVATION
A1.2.1 | A1.4.1 1/16" = 1'-0"



2 DEMOLITION EAST ELEVATION
A1.2.1 | A1.4.1 1/16" = 1'-0"



1 DEMOLITION SOUTH ELEVATION
A1.2.1 | A1.4.1 1/16" = 1'-0"

DEMOLITION ELEVATION LEGEND

REMOVE EXISTING LOUVER / WINDOW

REMOVE EXISTING ROOF / ITEMREMOVE EXISTING WALL TO ACCOMMODATE LOUVER, VERIFY IN FIELD EXACT AREA TO DEMOLISH

DEMOLITION ELEVATION KEYNOTES

REPRESENTED BY

5

REMOVE EXISTING LOUVER

6

REMOVE EXISTING WINDOW

7

REMOVE PORTION OF EXISTING SHINGLED ROOF

8

REMOVE EXISTING DORMER WALLS AND ROOF

9

REMOVE PORTION OF WALL

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STEVEN J. HOPKINS
REGISTERED ARCHITECT
11547
NORTH CAROLINA
CHARLOTTE, NC
10/01/2025

MOSELEY, INC.
REGISTERED ARCHITECTS
CORPORATION
50149
NORTH CAROLINA
CHARLOTTE, NC

HALIFAX COUNTY COURTHOUSE

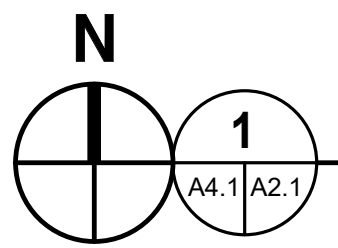
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357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO:	623324
DATE:	10/1/2025
REVISIONS	
DATE	DESCRIPTION

DEMOLITION BUILDING
ELEVATIONS

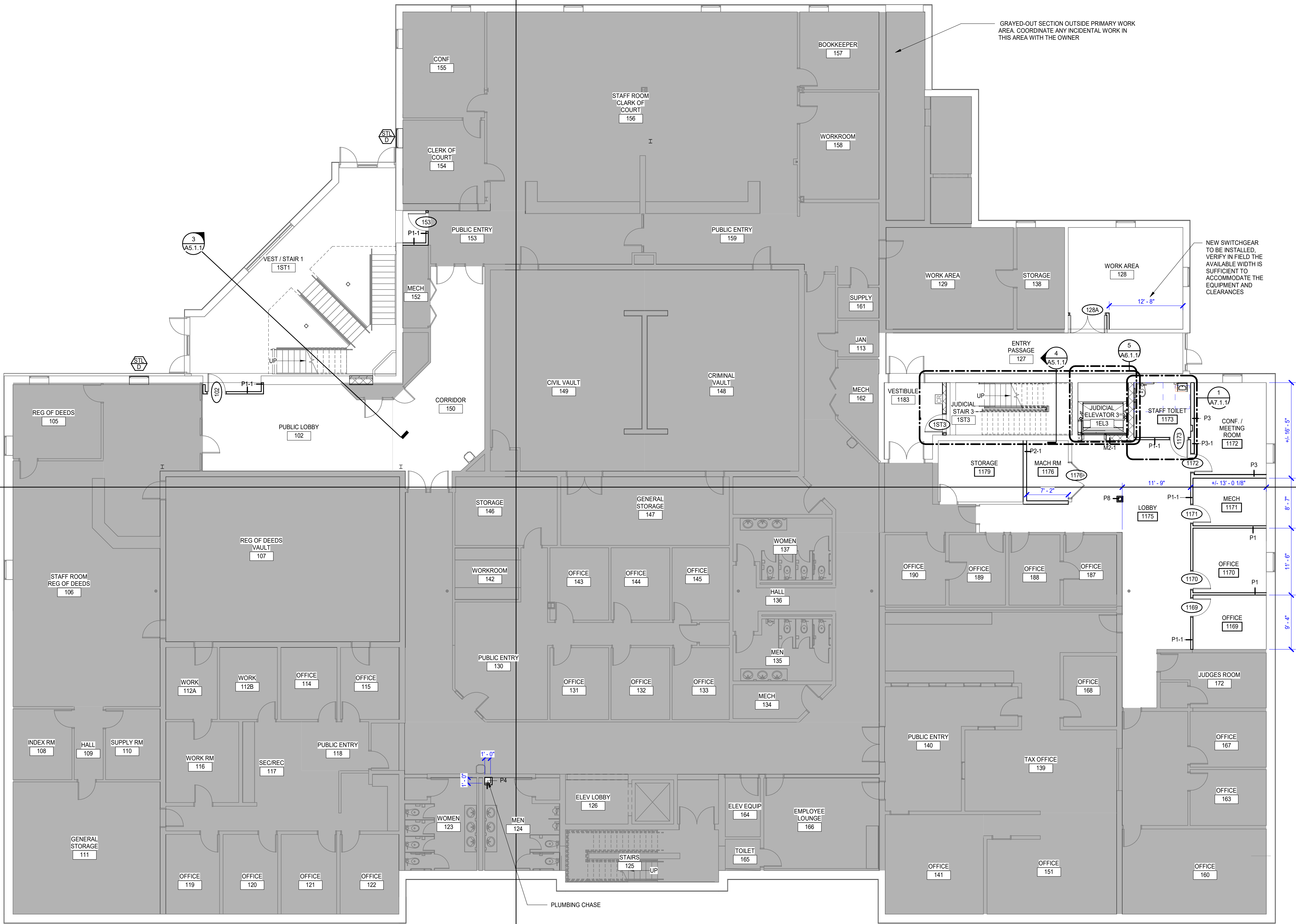
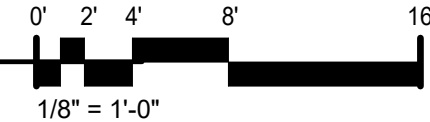
A1.4.1

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FLOOR PLAN - LEVEL 1

1/8" = 1'-0"



GENERAL NOTES

1. VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
2. DIMENSIONS SHOWN ARE TO FACE OF FINISH WALL, FACE OF MASONRY UNLESS OTHERWISE NOTED.
3. EXISTING WALLS, DOORS, FIXTURES, AND FINISHES TO REMAIN UNLESS SPECIFICALLY NOTED FOR DEMOLITION OR MODIFICATION.
4. CONTRACTOR SHALL PROTECT ALL EXISTING ELEMENTS NOT SCHEDULED FOR DEMOLITION DURING CONSTRUCTION.
5. TV'S SHOWN ON PLAN ARE NIC. CONTRACTOR TO COORDINATE BRACING FOR WALL BRACKETS/ BLOCKING IN WALL AT ALL TV LOCATIONS.

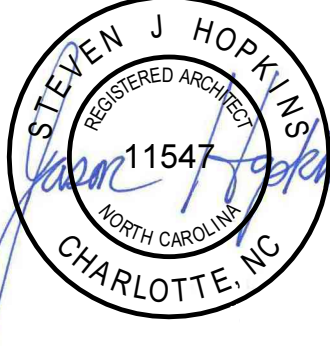
FLOOR PLAN KEYNOTES

REPRESENTED BY [N]
APPLIES TO DRAWINGS A2.1 - A2.3

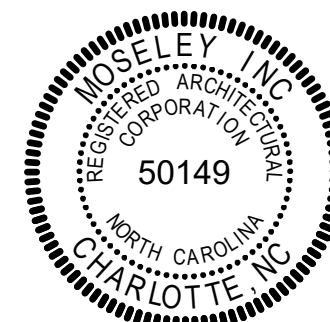
- 1 EXISTING ROOF ACCESS LADDER
- 2 TV - MOUNT AT 66" AFF.
- 3 ALIGN
- 4 CANE DETECTION RAILING 27" HIGH
- 5 APPLY FIRE RETARDANT TREATMENT TO ALL THE WOOD STUDS. REFER TO SPECIFICATION SECTION 051000 FOR ADDITIONAL REQUIREMENTS.
- 6 V.I.F. LOCATION OF EXISTING STUDS, TYPICAL AROUND THE ENTIRE PERIMETER

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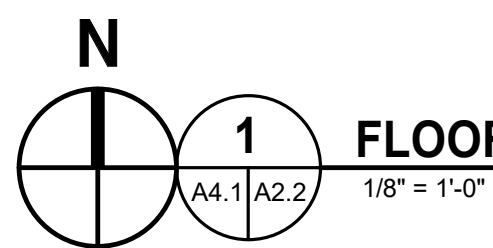
HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO:	623324
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DATE	DESCRIPTION

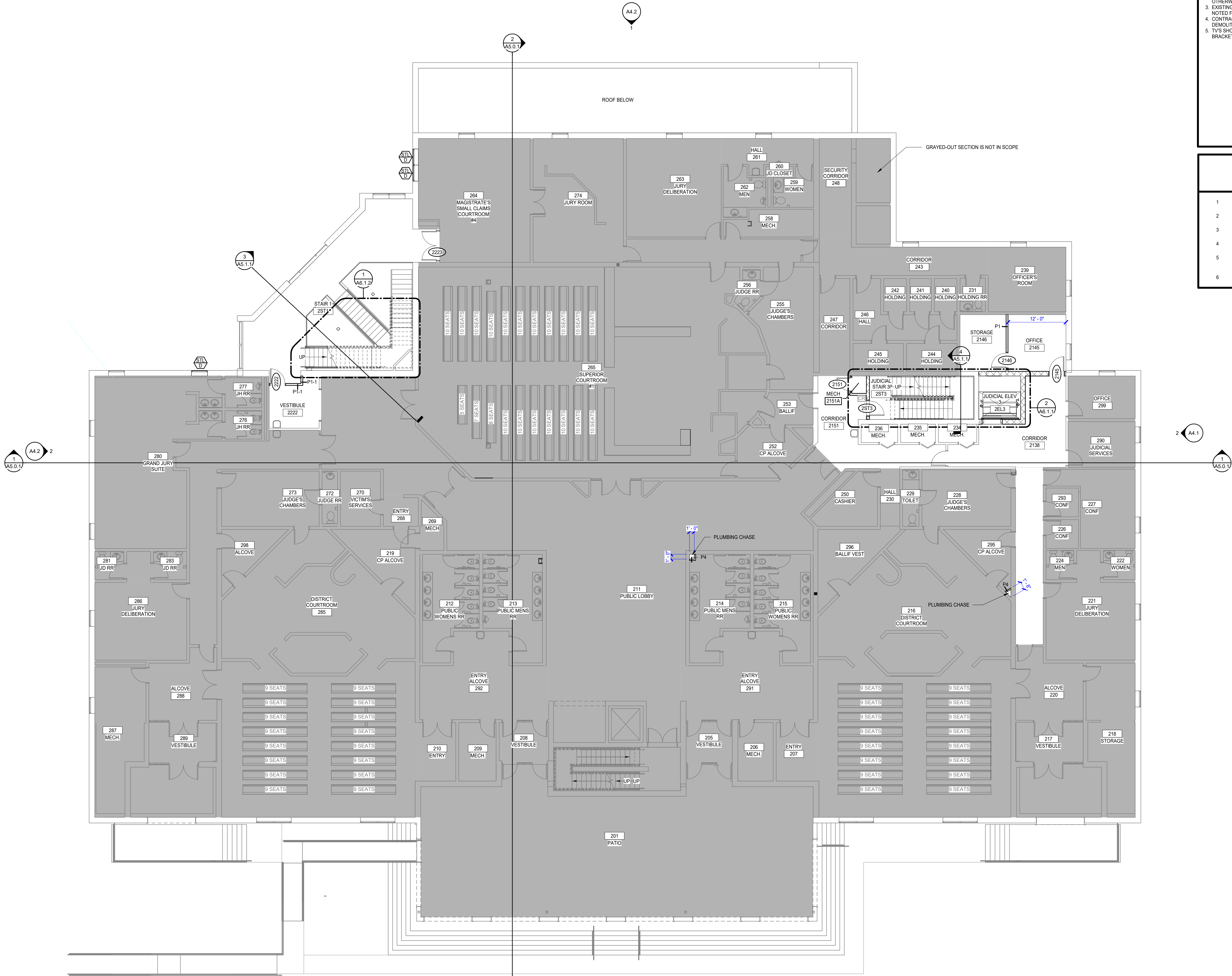
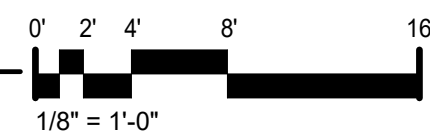
FLOOR PLAN - LEVEL 1

A2.1



FLOOR PLAN - LEVEL 2

1/8" = 1'-0"



GENERAL NOTES

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2. DIMENSIONS SHOWN ARE TO FACE OF FINISH WALL, FACE OF MASONRY UNLESS OTHERWISE NOTED.
3. EXISTING WALLS, DOORS, FIXTURES, AND FINISHES TO REMAIN UNLESS SPECIFICALLY NOTED FOR DEMOLITION OR MODIFICATION.
4. CONTRACTOR SHALL PROTECT ALL EXISTING ELEMENTS NOT SCHEDULED FOR DEMOLITION DURING CONSTRUCTION.
5. TV'S SHOWN ON PLAN ARE NIC. CONTRACTOR TO COORDINATE BRACING FOR WALL BRACKETS/ BLOCKING IN WALL AT ALL TV LOCATIONS.

FLOOR PLAN KEYNOTES

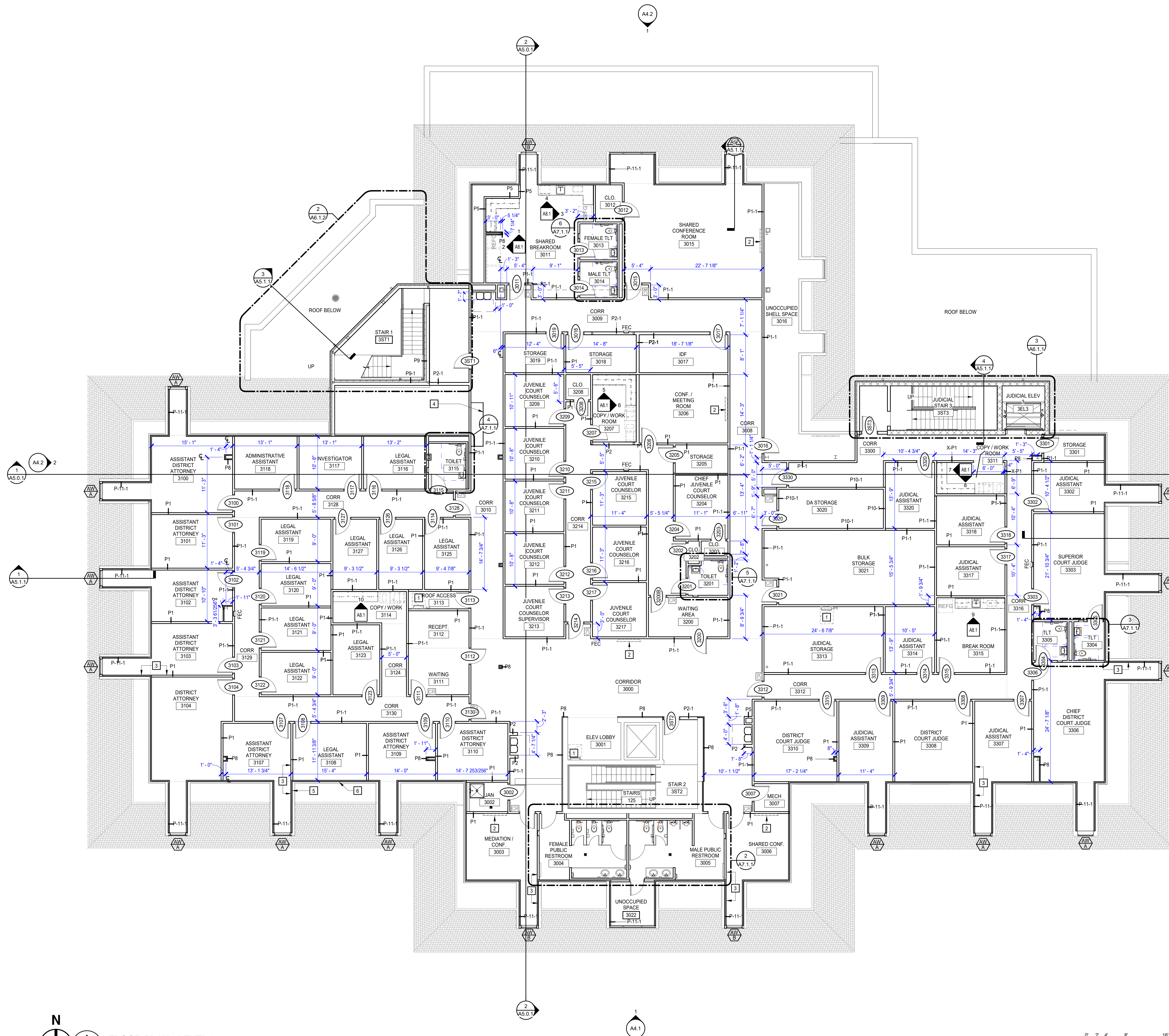
REPRESENTED BY [n]
APPLIES TO DRAWINGS A2.1 - A2.3

- 1 EXISTING ROOF ACCESS LADDER
- 2 TV - MOUNT AT 66" AFF.
- 3 ALIGN
- 4 CANE DETECTION RAILING 27" HIGH
- 5 APPLY FIRE RETARDANT TREATMENT TO ALL THE WOOD STUDS. REFER TO SPECIFICATION SECTION 051000 FOR ADDITIONAL REQUIREMENTS.
- 6 V.I.F. LOCATION OF EXISTING STUDS, TYPICAL AROUND THE ENTIRE PERIMETER

1. VERIFY ALL EXIST'G CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
2. DIMENSIONS SHOWN ARE TO FACE OF FINISH WALL. FACE OF MASONRY UNLESS OTHERWISE NOTED.
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5. TVS SHOWN ON PLAN ARE NIC. CONTRACTOR TO COORDINATE BRACING FOR WALL BRACKETS/ BLOCKING IN WALL AT ALL TV LOCATIONS.

REPRESENTED BY n
 APPLIES TO DRAWINGS A2.1 - A2.3

- 1 EXISTING ROOF ACCESS LADDER
- 2 TV - MOUNT AT 66" AFF.
- 3 ALIGN
- 4 CANE DETENTION RAILING 27" HIGH
- 5 APPLY FIRE RETARDANT TREATMENT TO ALL THE WOOD STUDS. REFER TO
SPECIFICATION SECTION 061000 FOR ADDITIONAL REQUIREMENTS.
- 6 V.I.F. LOCATION OF EXISTING STUDS, TYPICAL AROUND THE ENTIRE PERIMETER



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FINISH SCHEDULE									
NUMBER	NAME	FLOOR	BASE	WALLS				CEILING	NOTES
				NORTH	EAST	SOUTH	WEST		
1EL3	JUDICIAL ELEVATOR 3	RT	--	PLAM	PLAM	PLAM	PLAM	--	
1ST1	VEST / STAIR 1	ETR	ETR/RB	ETR	ETR/PT	ETR/PT	ETR/PT	GB PT/ETR	2
1ST3	JUDICIAL STAIR 3	RFT/RST/RSR	RB	PT	PT	PT	PT	ETR	5
2EL3	JUDICIAL ELEV 3	RT	--	PLAM	PLAM	PLAM	PLAM	--	
2ST1	STAIR 1	ETR	ETR/RB	ETR	ETR/PT	ETR/PT	ETR	GB PT/ACP	2
2ST3	JUDICIAL STAIR 3	RFT/RST/RSR	RB/ETR	PT	PT	PT	PT	ETR	5
3EL3	JUDICIAL ELEV 3	RT	--	PLAM	PLAM	PLAM	PLAM	--	
3ST1	STAIR 1	RFT/RST/RSR/RT	RB	PT	PT	PT	PT	GB PT	1
3ST2	STAIR 2	RFT/RST/RSR	RB	PT	PT	PT	PT	ACP	5
3ST3	JUDICIAL STAIR 3	RFT/RST/RSR/RT	RB	PT	PT	PT	PT	ACP	1
102	PUBLIC LOBBY	ETR	ETR/RB	ETR/PT	ETR	ETR/PT	ETR/PT	ACP	2
127	ENTRY PASSAGE	ETR	ETR	ETR	ETR	ETR	ETR	ACP	
128	WORK AREA	RT	RB	PT	PT	PT	PT	ACP	3
150	CORRIDOR	ETR	ETR	ETR	ETR	ETR	ETR	ACP	
153	PUBLIC ENTRY	ETR	ETR/RB	ETR	ETR	ETR	ETR/PT	ETR	2
264	MAGISTRATES SMALL CLAIMS COURTROOM #4	ETR	ETR	ETR	ETR	ETR	ETR/PT	ETR	2
290	JUDICIAL SERVICES	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
299	OFFICE	ETR	ETR	ETR	ETR	--	ETR	ETR	
1169	OFFICE	C-TILE-A	RB	PT	PT	PT	PT	ACP	
1170	OFFICE	C-TILE-A	RB	PT	PT	PT	PT	ACP	3
1171	MECH	CONC-SLR	RB	PT	PT	PT	PT	EXPC PT	
1172	CONF / MEETING ROOM	C-TILE-A	RB	PT	PT	PT	PT	ACP	3
1173	STAFF TOILET	P-TILE	P-TILE	GWT-A,B	EPX PT	EPX PT	EPX PT	ACP	
1175	LOBBY	RT	RB	PT	PT	PT	PT	ACP	
1176	MACH RM	CONC-SLR	RB	PT	PT	PT	PT	EXPC PT	
1179	STORAGE	RT	RB	PT	PT	PT	PT	ACP	
1183	VESTIBULE	ETR	RB	PT	PT	PT	PT	ACP	
2138	CORRIDOR	RT	RB	PT	PT	PT	PT	ACP	
2145	OFFICE	C-TILE-A	RB	PT	PT	PT	PT	ACP	3
2146	STORAGE	RT	RB	PT	PT	PT	PT	ACP	
2151	CORRIDOR	RB	RB	PT	PT	PT	PT	ACP	2
2151A	MECH	ETR	RB	PT	PT	PT	PT	EXPC PT	
2222	VESTIBULE	ETR	ETR/RB	PT	PT	PT	PT	ACP	1
3000	CORRIDOR	RT	RB	PT	PT	PT	PT	ACP	
3001	ELEV LOBBY	RT	RB	PT	PT	PT	PT	ACI/GB PT/EXPC PT	4
3002	JAN	CONC-SLR	RB	EPX PT	EPX PT	EPX PT	EPX PT	EXPC PT	
3003	MEDIATION / CONF.	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3004	FEMALE PUBLIC RESTROOM	P-TILE	P-TILE	GWT-A,B/EPX PT	GWT-A,B	GWT-A,B/EPX PT	GWT-A,B/EPX PT	ACI/GB PT	
3005	MALE PUBLIC RESTROOM	P-TILE	P-TILE	GWT-A,B/EPX PT	GWT-A,B/EPX PT	GWT-A,B/EPX PT	GWT-A,B	ACI/GB PT	
3006	SHARED CONF.	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3007	MECH	CONC-SLR	RB	EPX PT	EPX PT	EPX PT	EPX PT	GB PT	
3008	CORR	RT	RB	PT	PT	PT	PT	ACP	
3009	CORR	RT	RB	PT	PT	PT	PT	ACP	
3010	CORR	RT	RB	PT	PT	PT	PT	ACP	
3011	SHARED BREAKROOM	RT	RB	PT	PT	PT	PT	ACI/GB PT	3
3012	CLO.	C-TILE-A	RB	PT	PT	PT	PT	ACP	
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3014	MALE TLT	P-TILE	P-TILE	EPX PT	GWT-A,B	EPX PT	EPX PT	ACP	
3015	SHARED CONFERENCE ROOM	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3016	UNOCCUPIED SHELL SPACE	CONC-SLR	RB	PT	PT	PT	PT	EXPC PT	
3017	IDF	CONC-SLR	RB	PT	PT	PT	PT	ACP	
3018	STORAGE	CONC-SLR	RB	PT	PT	PT	PT	ACP	
3019	STORAGE	CONC-SLR	RB	PT	PT	PT	PT	ACP	
3020	DA STORAGE	RT	RB	PT	PT	PT	PT	ACP	
3021	BULK STORAGE	CONC-SLR	RB	PT	PT	PT	PT	ACP	
3022	UNOCCUPIED SPACE	CONC-SLR	RB	PT	PT	PT	PT	EXPC PT	
3100	ASSISTANT DISTRICT ATTORNEY	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3101	ASSISTANT DISTRICT ATTORNEY	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	
3102	ASSISTANT DISTRICT ATTORNEY	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3103	ASSISTANT DISTRICT ATTORNEY	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3104	DISTRICT ATTORNEY	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3107	ASSISTANT DISTRICT ATTORNEY	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3108	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	
3109	ASSISTANT DISTRICT ATTORNEY	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3110	ASSISTANT DISTRICT ATTORNEY	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	
3111	WAITING	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3112	RECEPT.	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3113	ROOF ACCESS	CONC-SLR	RB	EPX PT	EPX PT	EPX PT	EPX PT	EXPC PT	
3114	COPY / WORK	RT	RB	PT	PT	PT	PT	ACP	
3115	TOILET	P-TILE	P-TILE	GWT-A,B	GWT-A,B	EPX PT	EPX PT	ACP	
3116	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	
3117	INVESTIGATOR	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	
3118	ADMINISTRATIVE ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	
3119	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3120	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3121	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	
3122	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3123	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3124	CORR	RT	RB	PT	PT	PT	PT	ACP	
3125	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3126	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3127	LEGAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3128	CORR	RT	RB	PT	PT	PT	PT	ACP	
3129	CORR	RT	RB	PT	PT	PT	PT	ACP	
3130	CORR	RT	RB	PT	PT	PT	PT	ACP	
3200	WAITING AREA	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3201	TOILET	P-TILE	P-TILE	GWT-A,B	EPX PT	EPX PT	EPX PT	ACP	
3202	CLO.	RT	RB	PT	PT	PT	PT	ACP	
3203	CLO.	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3204	CHIEF JUVENILE COURT COUNSELOR	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3205	STORAGE	CONC-SLR	RB	PT	PT	PT	PT	ACP	
3206	CONF / MEETING ROOM	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3207	COPY / WORK ROOM	RT	RB	PT	PT	PT	PT	ACP	
3208	CLO.	RT	RB	PT	PT	PT	PT	ACP	
3209	JUVENILE COURT COUNSELOR	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3210	JUVENILE COURT COUNSELOR	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3211	JUVENILE COURT COUNSELOR	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3212	JUVENILE COURT COUNSELOR	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3213	JUVENILE COURT COUNSELOR SUPERVISOR	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3214	CORR	RT	RB	PT	PT	PT	PT	ACP	
3215	JUVENILE COURT COUNSELOR	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3216	JUVENILE COURT COUNSELOR	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3217	JUVENILE COURT COUNSELOR	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3300	CORR	RT	RB	PT	PT	PT	PT	ACP	
3301	STORAGE	RT	RB	PT	PT	PT	PT	EXPC PT	
3302	JUDICIAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3303	SUPERIOR COURT JUDGE	C-TILE-B	RB	PT	PT	PT	PT	ACI/GB PT	3
3304	TLT	P-TILE	P-TILE	EPX PT	EPX PT	EPX PT	GWT-A,B	ACP	
3305	TLT	P-TILE	P-TILE	EPX PT	GWT-A,B	EPX PT	EPX PT	ACP	
3306	CHIEF DISTRICT COURT JUDGE	C-TILE-B	RB	PT	PT	PT	PT	ACI/GB PT	3
3307	JUDICIAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3308	DISTRICT COURT JUDGE	C-TILE-B	RB	PT	PT	PT	PT	ACI/GB PT	
3309	JUDICIAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACI/GB PT	3
3310	DISTRICT COURT JUDGE	C-TILE-B	RB	PT	PT	PT	PT	ACI/GB PT	
3311	COPY / WORK ROOM	RT	RB	PT	PT	PT	PT	ACP	
3312	CORR	RT	RB	PT	PT	PT	PT	ACP	
3313	JUDICIAL STORAGE	RT	RB	PT	PT	PT	PT	ACI/GB PT/EXPC PT	
3314	JUDICIAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3315	BREAK ROOM	RT	RB	PT	PT	PT	PT	ACP	
3316	CORR	RT	RB	PT	PT	PT	PT	ACP	
3317	JUDICIAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3318	JUDICIAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	
3320	JUDICIAL ASSISTANT	C-TILE-A	RB	PT	PT	PT	PT	ACP	

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.

B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.

C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.

D. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.

E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.

F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

G. REFER TO SPECIFICATIONS FOR INFORMATION ON FINISH FIRE CLASSIFICATION RATING.

H. DO NOT PAINT EXISTING BRICK.

FINISH SCHEDULE NOTES

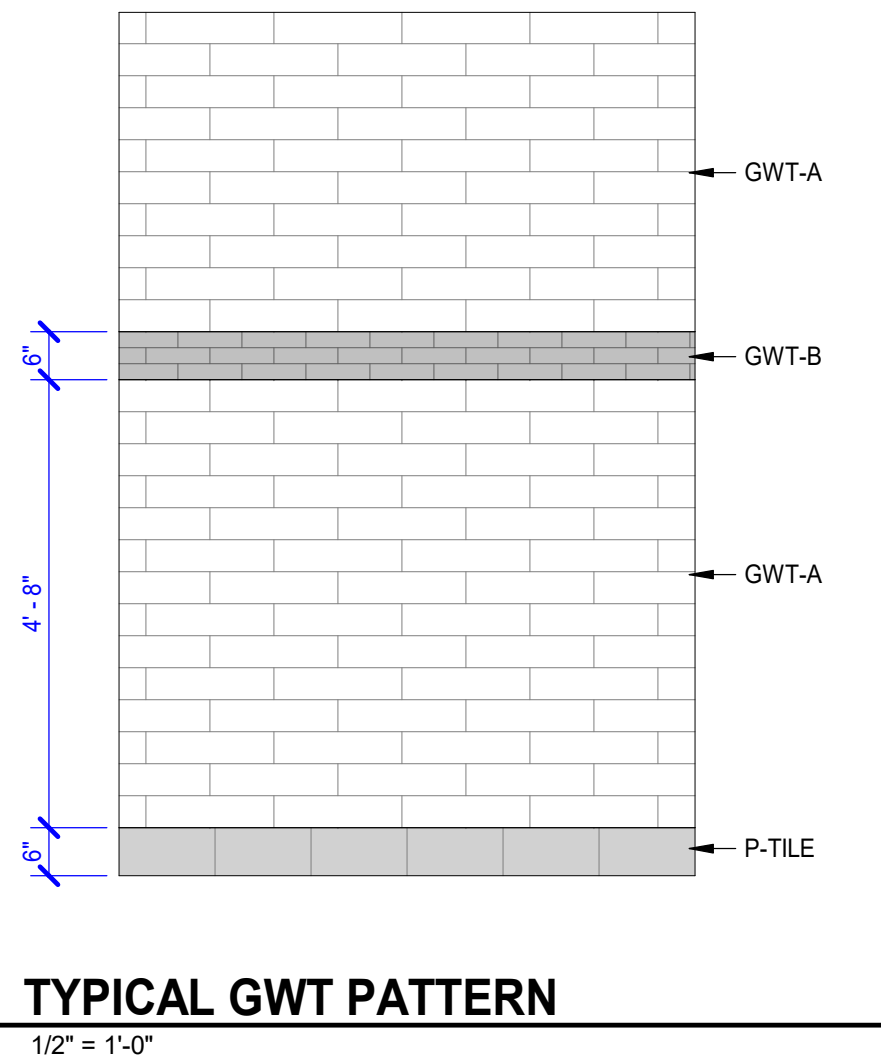
1. PROVIDE RT ON TOP LANDING. RFT ON INTERMITTENT LANDING.

2. PATCH TO MATCH EXISTING FINISHES.

3. PROVIDE HORIZONTAL LOUVER BLINDS AT EXTERIOR WINDOWS.

4. PAINT EXISTING LADDER. COLOR TO BE SELECTED BY ARCHITECT.

5. PROVIDE RFT ON INTERMITTENT LANDING.



MOSELEY ARCHITECTS

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MOSELEY ARCHITECTS, INC.
50149
NORTH CAROLINA
CHARLOTTE, NC

HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

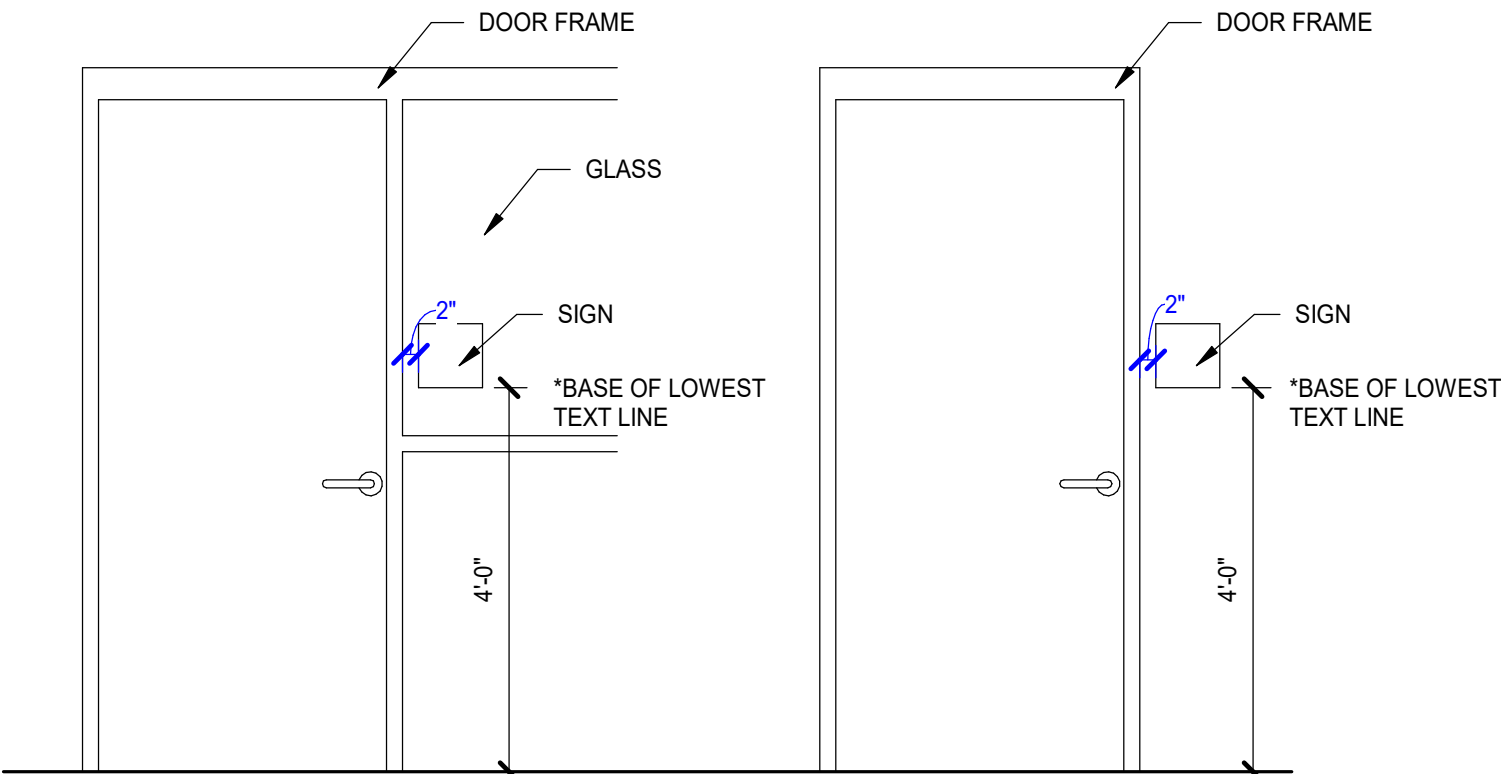
PROJECT NO: 623324
DATE: 10/1/2025

REVISIONS	
DATE	DESCRIPTION

FINISH SCHEDULE

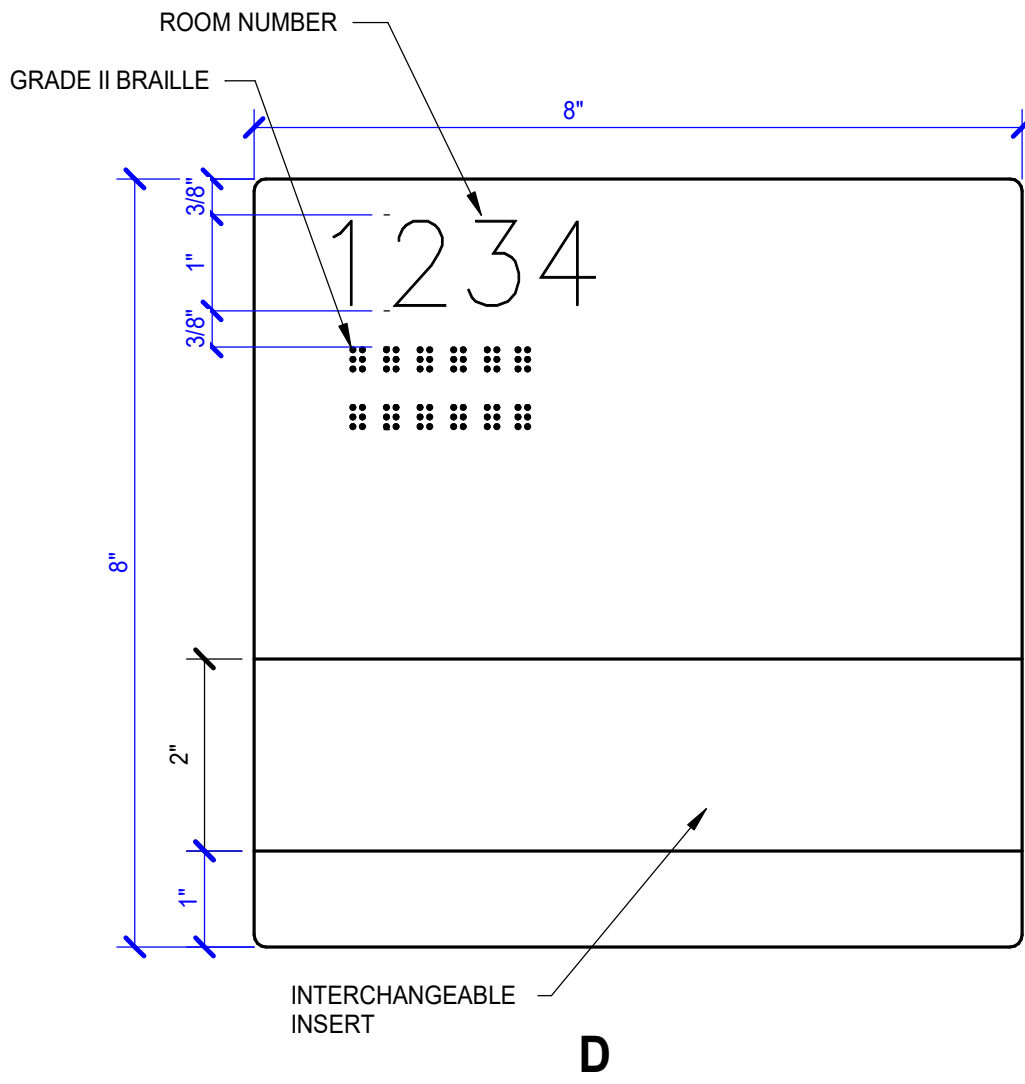
A3.0.1

SIGNAGE TYPES/ELEVATIONS

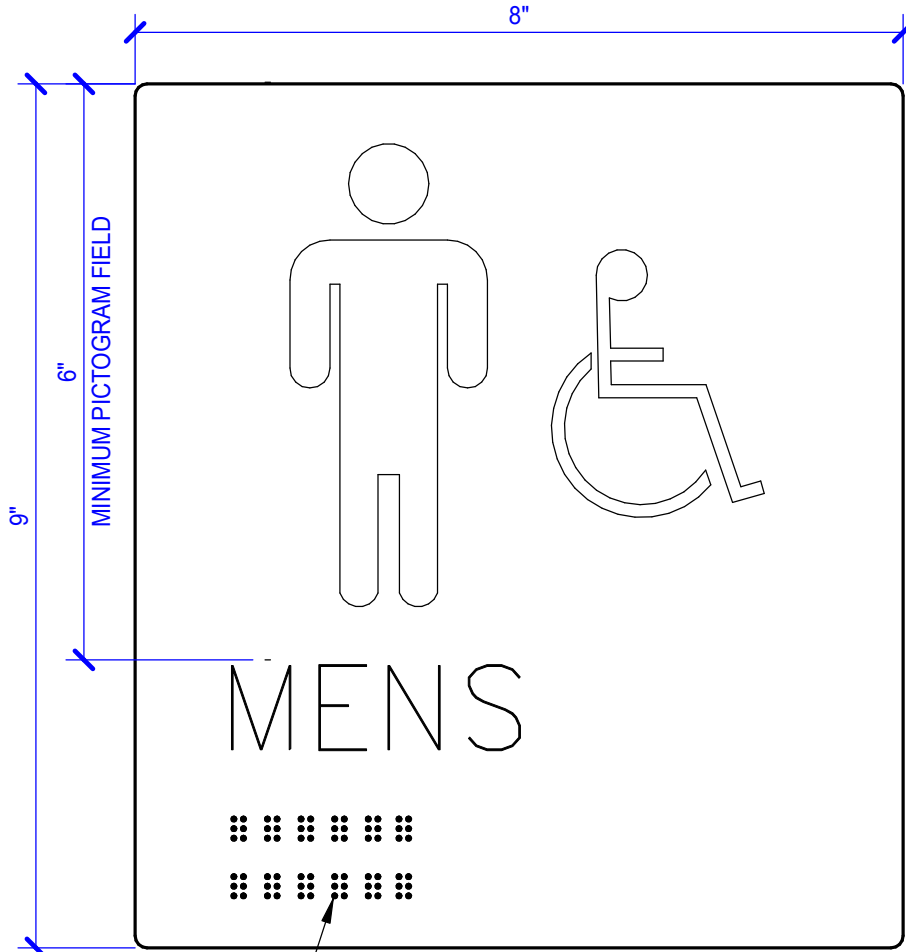


AT GLASS LOCATIONS WHERE THERE ARE NOT OTHER SUITABLE WALLS, ADHERE SIGNAGE WITH DOUBLE SIDED TAPE TO PROVIDE A PERMANENT INSTALLATION. INCLUDE A BLANK PANEL OF THE SAME COLOR, SIZE AND MATERIAL FOR THE BACK SIDE OF THE GLASS.

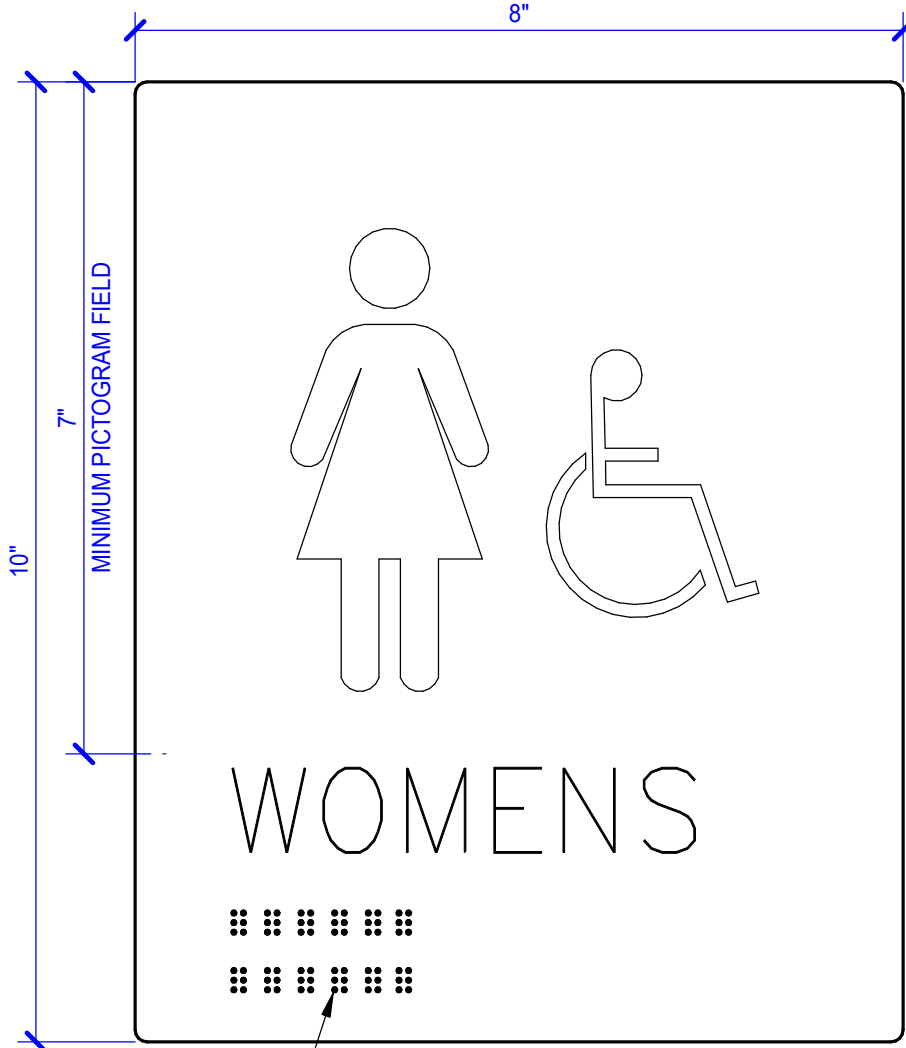
*BASELINE OF BRAILLE CELL WHERE APPLICABLE



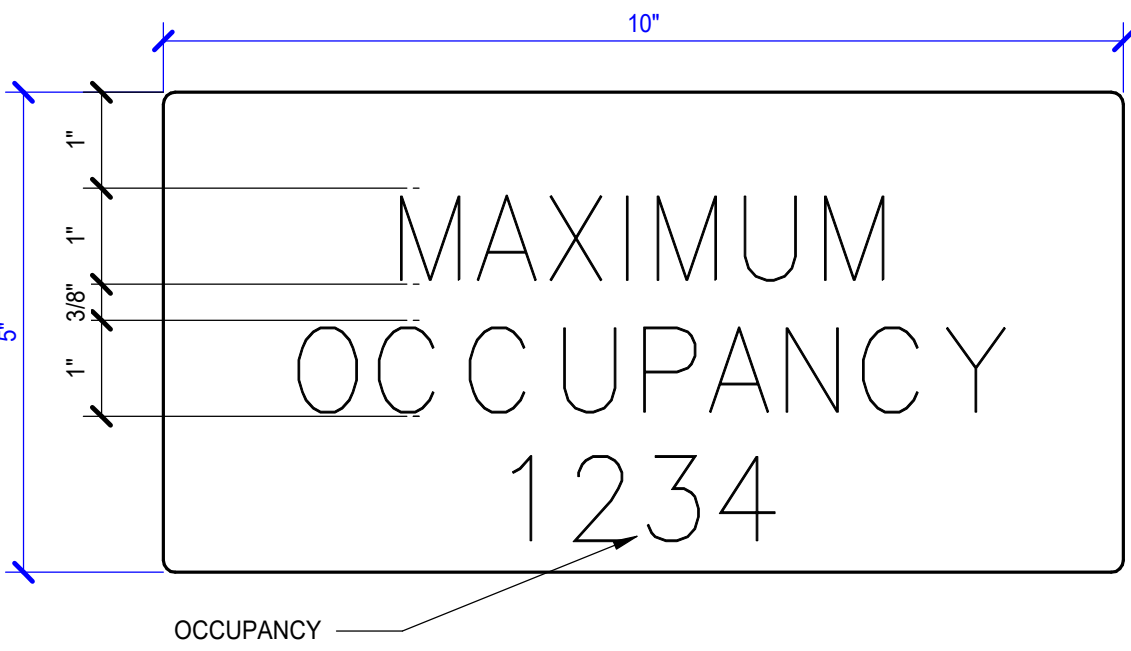
D



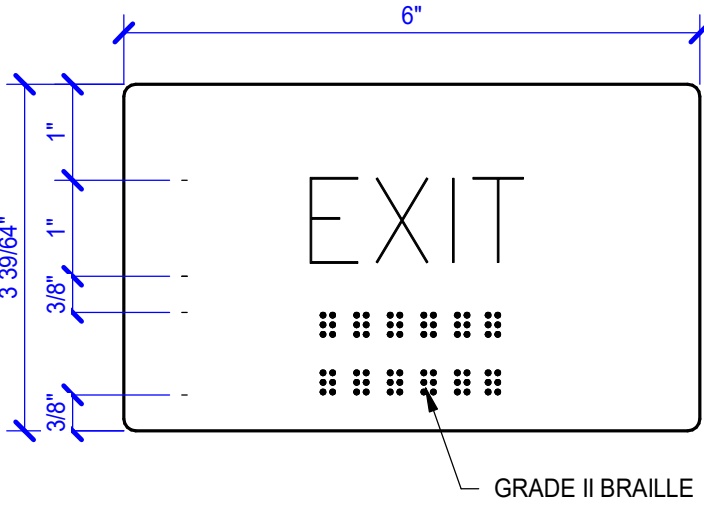
C



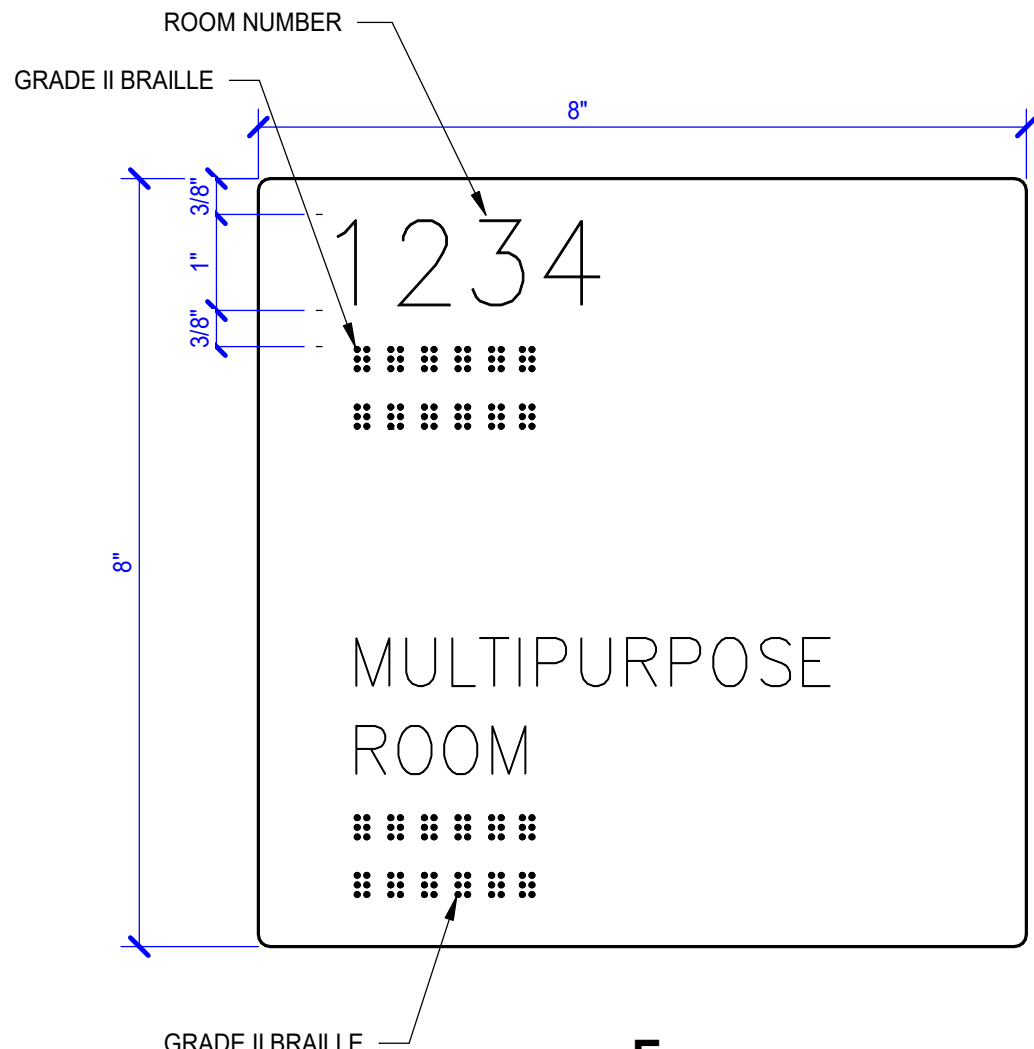
B



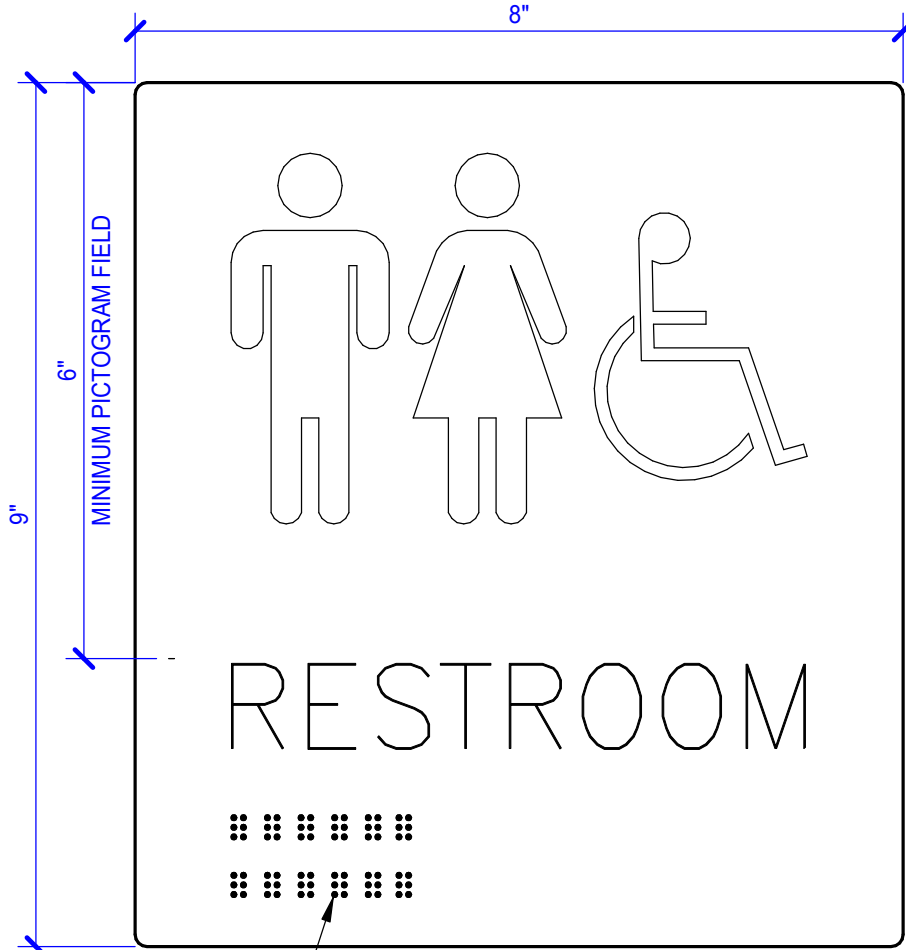
F



G



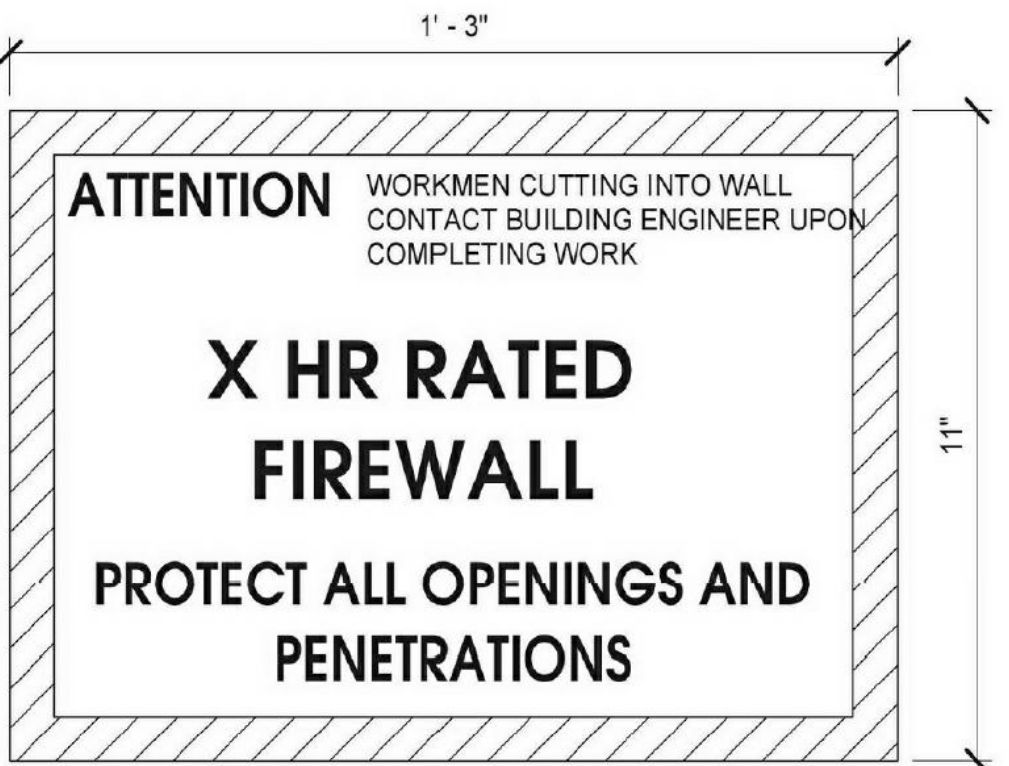
E



A

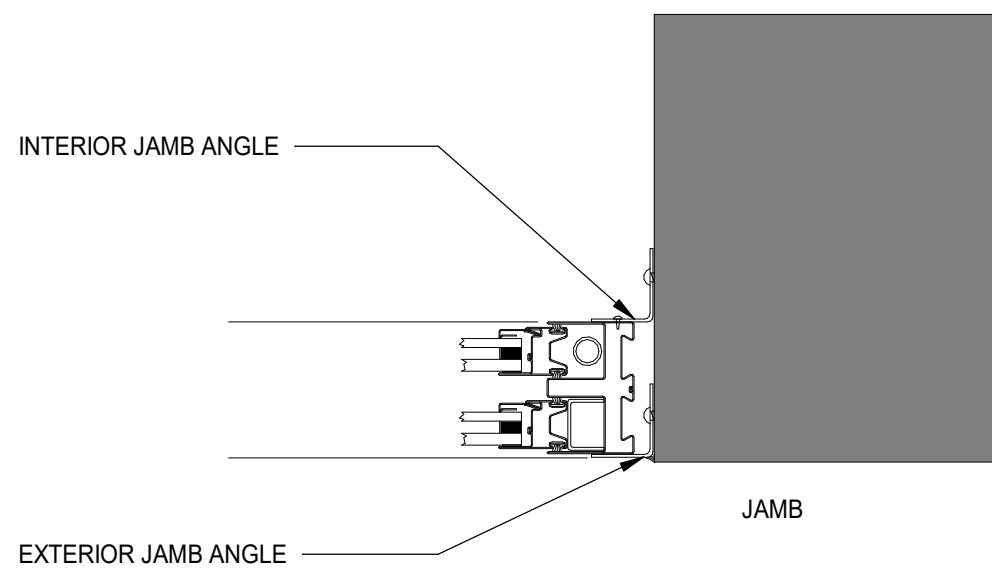
SIGNAGE GENERAL NOTES

1. INTERIOR AND EXTERIOR PANEL SIGNAGE IS PROVIDED BY ALLOWANCE. REFER TO SPECIFICATION SECTION 012100 - ALLOWANCES AND SPECIFICATION SECTION 101400 - SIGNAGE. DIMENSIONAL CHARACTERS ARE NOT INCLUDED IN THE ALLOWANCE.
2. ALL FINAL ROOM NAMES AND NUMBERS SHALL BE APPROVED BY ARCHITECT/OWNER PRIOR TO SIGN PRODUCTION.
3. ALL SPACES/ROOMS IN FACILITY SHALL BE IDENTIFIED. INTERIOR SIGNAGE VENDOR WILL COORDINATE WITH OWNER AND ARCHITECT TO DEVELOP A SIGNAGE SCHEDULE FOR THE FACILITY WITHIN THE ALLOCATED ALLOWANCE AS INDICATED IN SPECIFICATION SECTION 012100.
4. ALL SIGNAGE SHALL CONFORM TO ANSI/ICC A117.1 2009.
5. ALL AREAS USED FOR STORAGE AND MECHANICAL ROOMS SHALL POST VISIBLE PLACE CARDS STATING THE APPROVED DESIGN LIVE LOAD SHALL NOT EXCEED 100 PSF.

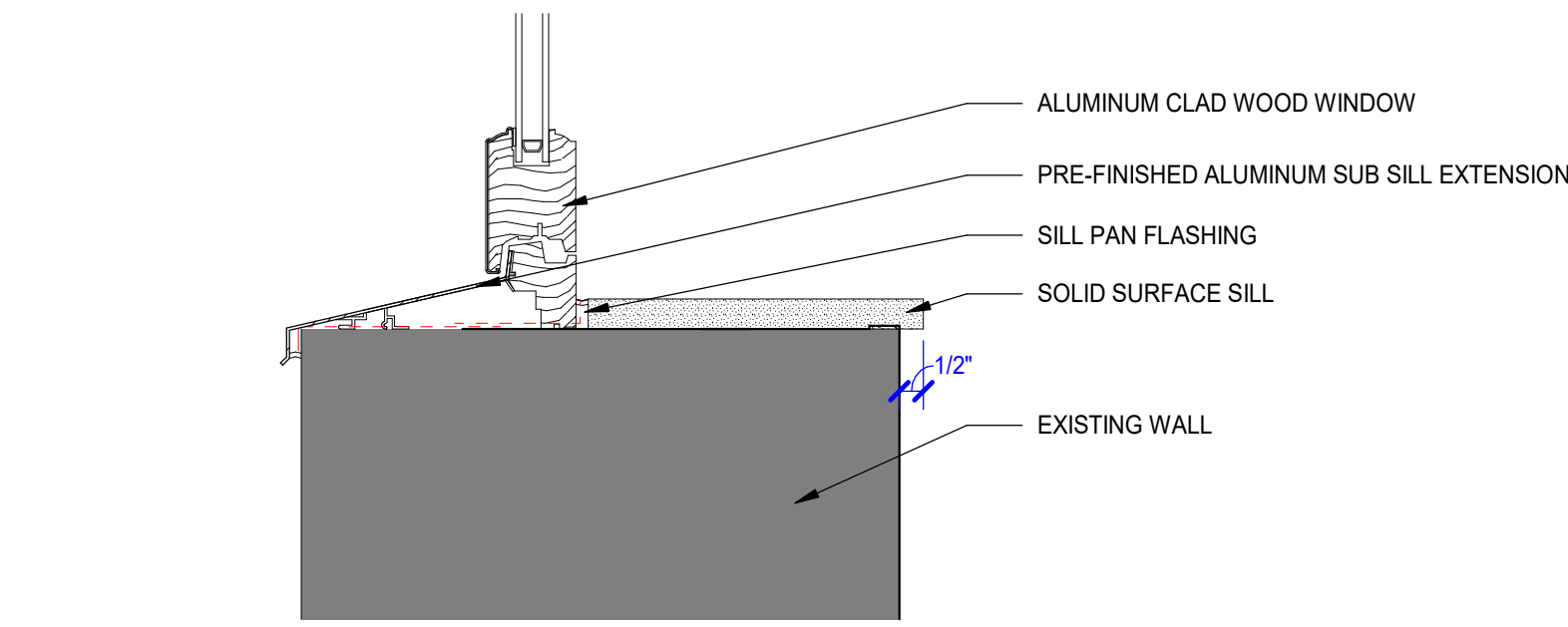
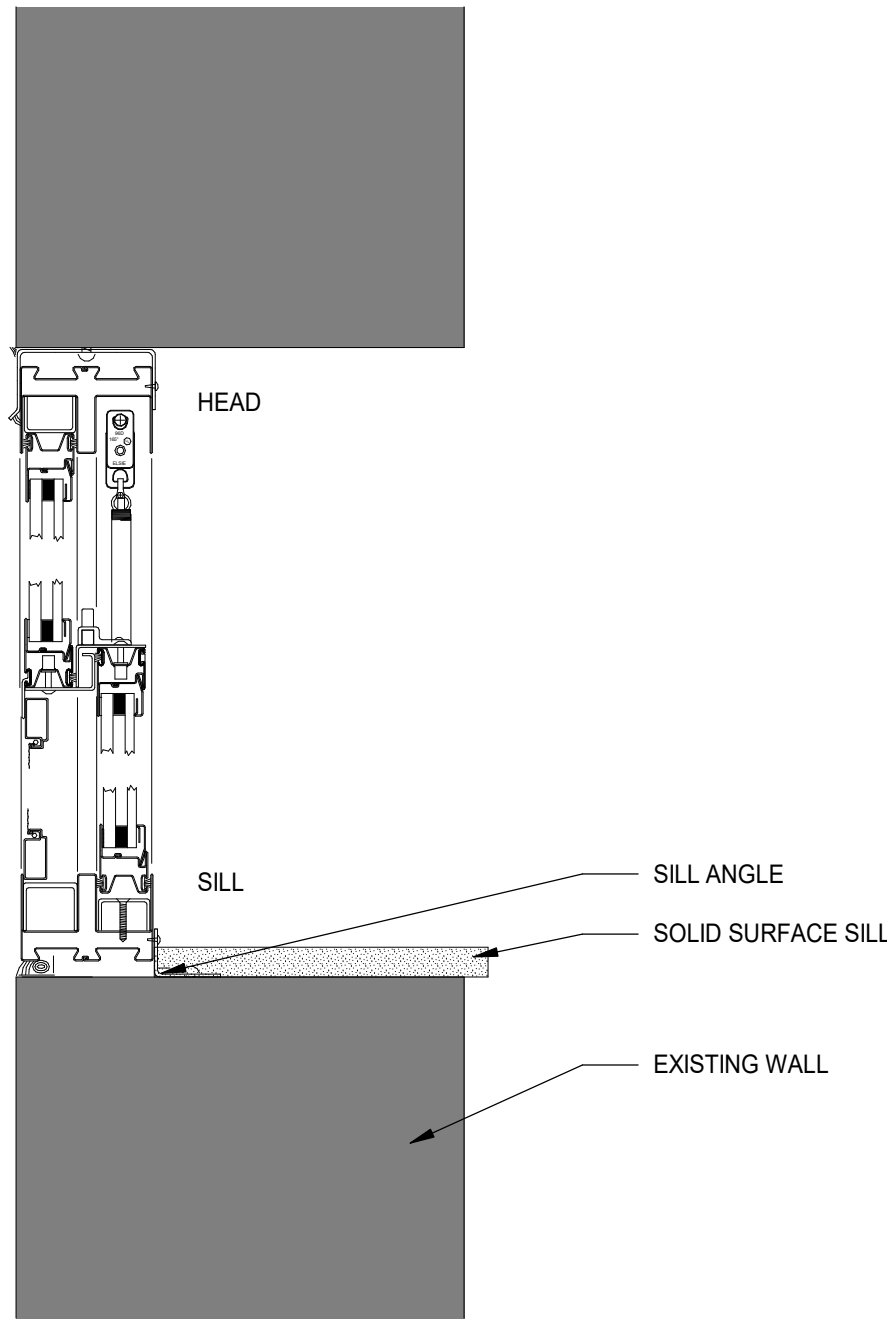


1. FIRE RATED WALLS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN A MANNER ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. SUCH IDENTIFICATION SHALL BE ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES.
2. SIGNS SHALL BE STENCILED OR HUNG ALONG BOTH SIDES OF ALL FIRE RATED AND/OR SMOKE WALLS EVERY 12 LINEAR FEET O.C. THEY SHALL BE WORDED AS ILLUSTRATED.

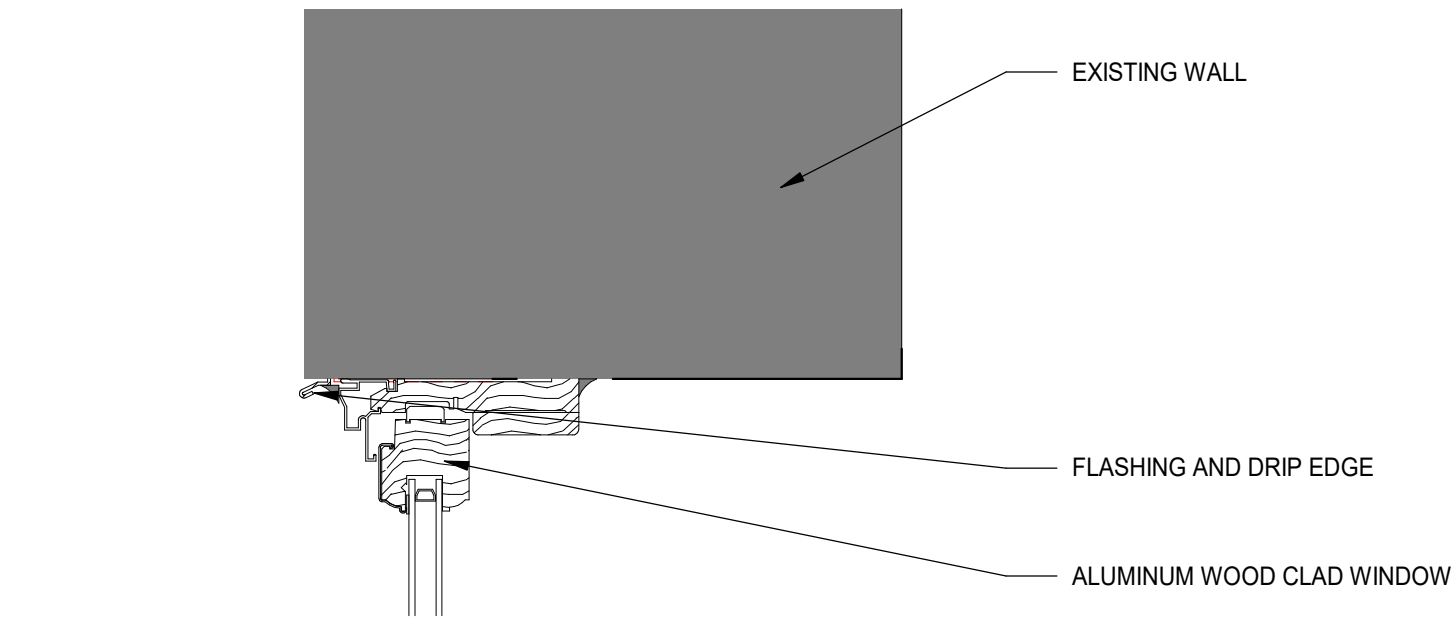
DOOR SCHEDULE																
Level	NUMBER	TYPE	DOOR			GLAZING TYPE	TYPE	NUMBER	FRAME		FIRE RATING	HW Set	COMMENTS			
			SIZE (NOMINAL)	MATL	LOUVER				UC	SECTIONS				HEAD DETAIL	JAMB DETAIL	
Level 1	18T3	N	3'-0" x 7'-0" x 1 3/4"	HM			G3	HM	1	A	1/A3.2.1	1/A3.2.1	45 MIN	27.0	1, 2	
Level 1	102	N	3'-0" x 7'-0" x 1 3/4"	WD			G3	HM	1	A	1/A3.2.1	1/A3.2.1	45 MIN	2.0	1	
Level 1	128A	F	PR 3'-0" x 7'-0" x 1 3/4"	HM				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	7.0	1	
Level 1	153	N	3'-0" x 7'-0" x 1 3/4"	WD			G3	HM	1	A	1/A3.2.1	1/A3.2.1	45 MIN	2.0	1	
Level 1	1169	N	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 1	1170	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 1	1171	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	25		
Level 1	1172	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	20.0		
Level 1	1173	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	16.0		
Level 1	1176	F	PR 3'-0" x 7'-0" x 1 3/4"	HM				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	26.0		
Level 2	25T3	N	3'-0" x 7'-0" x 1 3/4"	WD			G3	HM	1	A	1/A3.2.1	1/A3.2.1	45 MIN	27.0	1, 2	
Level 2	2145	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19		
Level 2	2146	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	20 MIN	20.0		
Level 2	2151	N	2'-8" x 7'-0" x 1 3/4"	WD			G3	HM	1		1/A3.2.1	1/A3.2.1	20 MIN	5.0		
Level 2	2222	N	3'-0" x 7'-0" x 1 3/4"	WD			G3	HM	1	A	1/A3.2.1	1/A3.2.1	45 MIN	2.0	1	
Level 2	2223	F	PR 3'-0" x 7'-0" x 1 3/4"	WD				HM	2	A	1/A3.2.1	1/A3.2.1	45 MIN	7.0	1	
Level 3	28T30	F	2'-8" x 6'-8" x 1 3/4"											21.0		
Level 3	28T21	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	8.0	2	
Level 3	28T22	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	12.0		
Level 3	28T30	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	8.0	2	
Level 3	28T31	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	12.0		
Level 3	38T11	N	3'-0" x 7'-0" x 1 3/4"	HM			G3	HM	1	A	1/A3.2.1	1/A3.2.1	45 MIN	2.0	1	
Level 3	38T2	N	3'-0" x 7'-0" x 1 3/4"	WD			G3	HM	1	A	1/A3.2.1	1/A3.2.1	45 MIN	2.0	1	
Level 3	38T3	N	3'-0" x 7'-0" x 1 3/4"	HM			G3	HM	1	A	1/A3.2.1	1/A3.2.1	45 MIN	2.0	1	
Level 3	3002	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	25.0		
Level 3	3007	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	25.0		
Level 3	3011	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	9.0	2	
Level 3	3012	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	20.0		
Level 3	3013	F	3'-0" x 7'-0" x 1 3/4"	WD		3/4"		HM	1	A	1/A3.2.1	1/A3.2.1	14.0			
Level 3	3014	F	3'-0" x 7'-0" x 1 3/4"	WD		3/4"		HM	1	A	1/A3.2.1	1/A3.2.1	14.0			
Level 3	3015	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	9.0	2	
Level 3	3016	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	23.0		
Level 3	3017	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	23.0		
Level 3	3018	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	9.0	2	
Level 3	3019	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	9.0	2	
Level 3	3020	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	9.0	2	
Level 3	3021	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	9.0		
Level 3	3100	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3101	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3102	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3103	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3104	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3107	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3108	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3109	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3110	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3111	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	8.0	2	
Level 3	3112	N	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	25.0		
Level 3	3113	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	23.0		
Level 3	3114	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	12.0		
Level 3	3115	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	16.0		
Level 3	3116	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3117	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3118	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3119	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3120	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3121	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3122	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3123	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3126	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3127	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3128	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	1.0	1, 2	
Level 3	3130	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	1.0	1, 2	
Level 3	3200	N	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	25.0		
Level 3	3200B	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	20 MIN	24.0	2	
Level 3	3201	F	3'-0" x 7'-0" x 1 3/4"	WD		3/4"		HM	1	A	1/A3.2.1	1/A3.2.1	15.0			
Level 3	3202	F	2'-10" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	16.0			
Level 3	3203	F	2'-10" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	20.0			
Level 3	3204	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	17.0			
Level 3	3205	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	20 MIN	22.0		
Level 3	3206	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	20.0			
Level 3	3207	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	11.0			
Level 3	3208	F	2'-10" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	21.0			
Level 3	3209	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	17.0			
Level 3	3210	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	17.0			
Level 3	3211	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	17.0			
Level 3	3212	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	17.0			
Level 3	3213	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	17.0			
Level 3	3214	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	1.0		1, 2	
Level 3	3215	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	18.0			
Level 3	3216	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	17.0			
Level 3	3217	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1	A	1/A3.2.1	1/A3.2.1	17.0			
Level 3	3301	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	23.0		
Level 3	3302	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3303	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3304	F	3'-0" x 7'-0" x 1 3/4"	WD		3/4"		HM	1	A	1/A3.2.1	1/A3.2.1	13.0			
Level 3	3305	F	3'-0" x 7'-0" x 1 3/4"	WD		3/4"		HM	1	A	1/A3.2.1	1/A3.2.1	13.0			
Level 3	3306	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3307	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3308	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.0		
Level 3	3309	F	3'-0" x 7'-0" x 1 3/4"	WD				HM	1		1/A3.2.1	1/A3.2.1	20 MIN	19.		



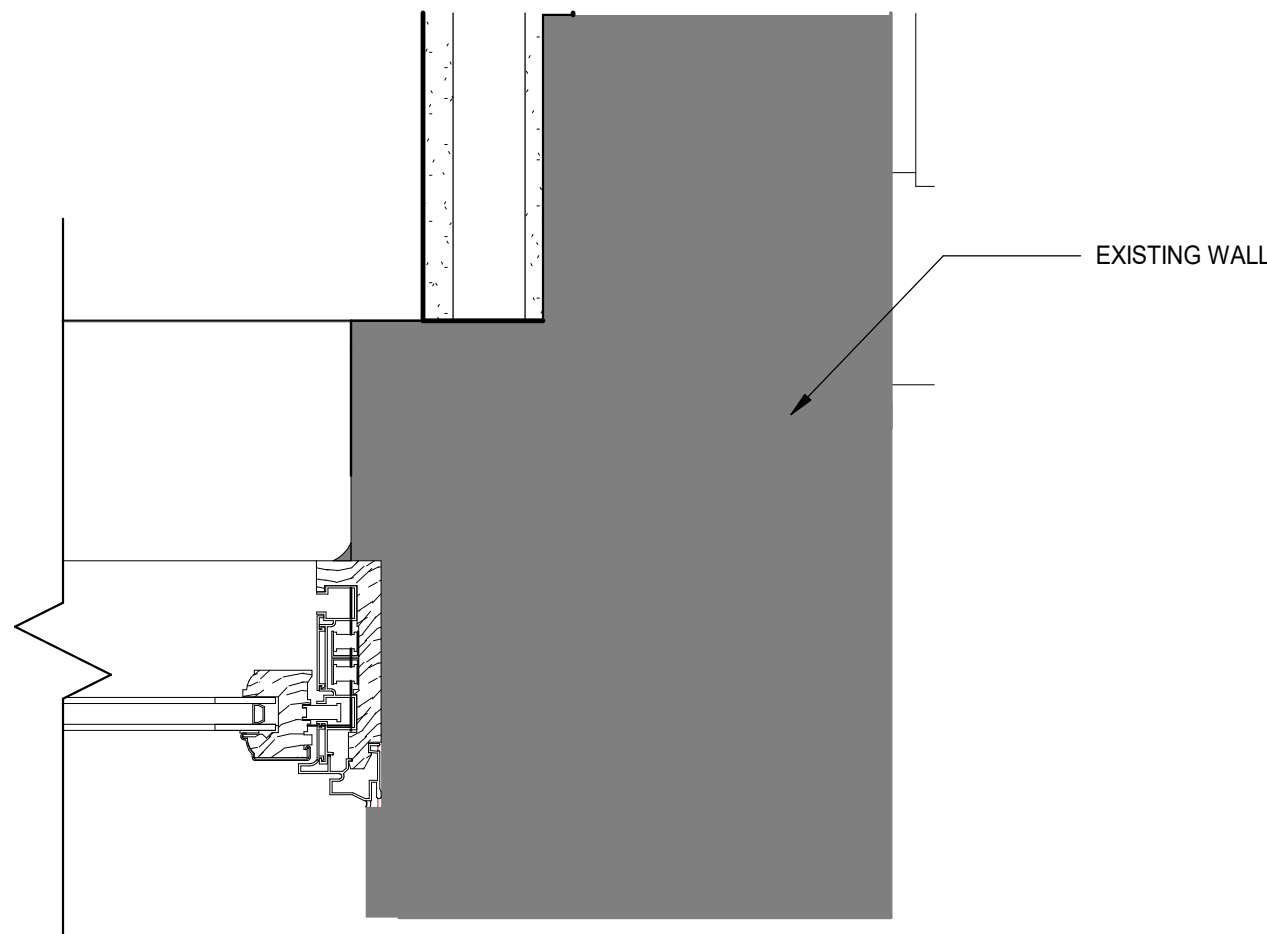
7 HEAD, SILL, JAMB DETAILS - SINGLE HUNG FIRE RATED STEEL WINDOWS
A3.2.1 3" = 1'-0"



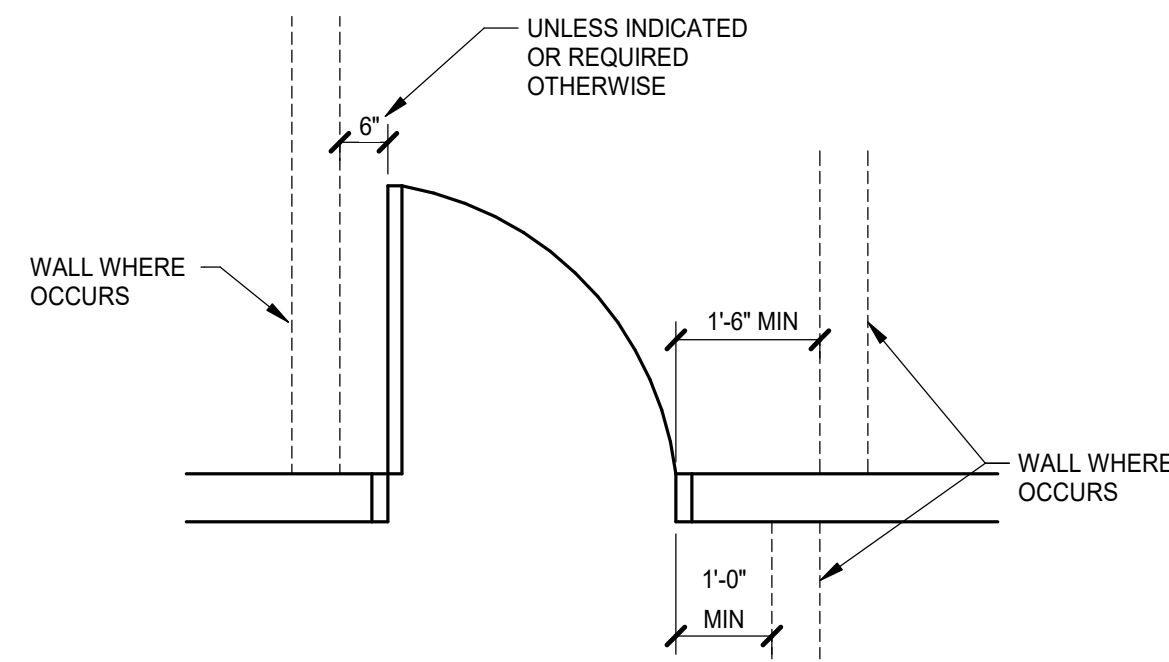
4 SILL DETAIL
A3.2.1 3" = 1'-0"



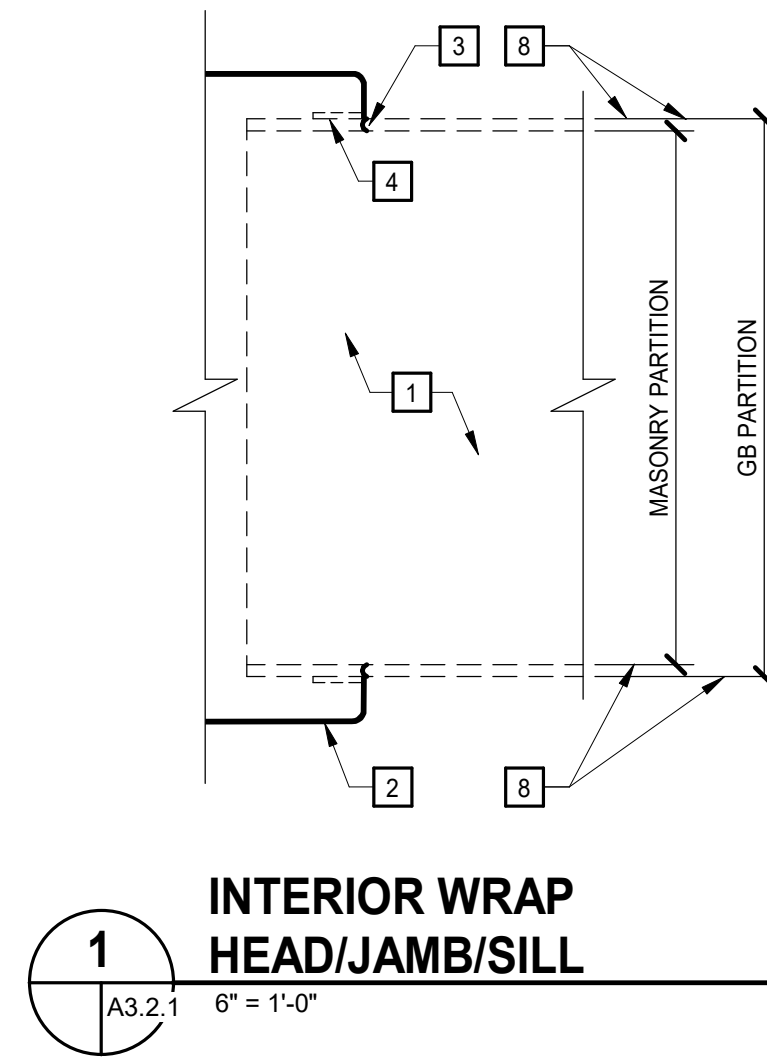
5 HEAD DETAIL
A3.2.1 3" = 1'-0"



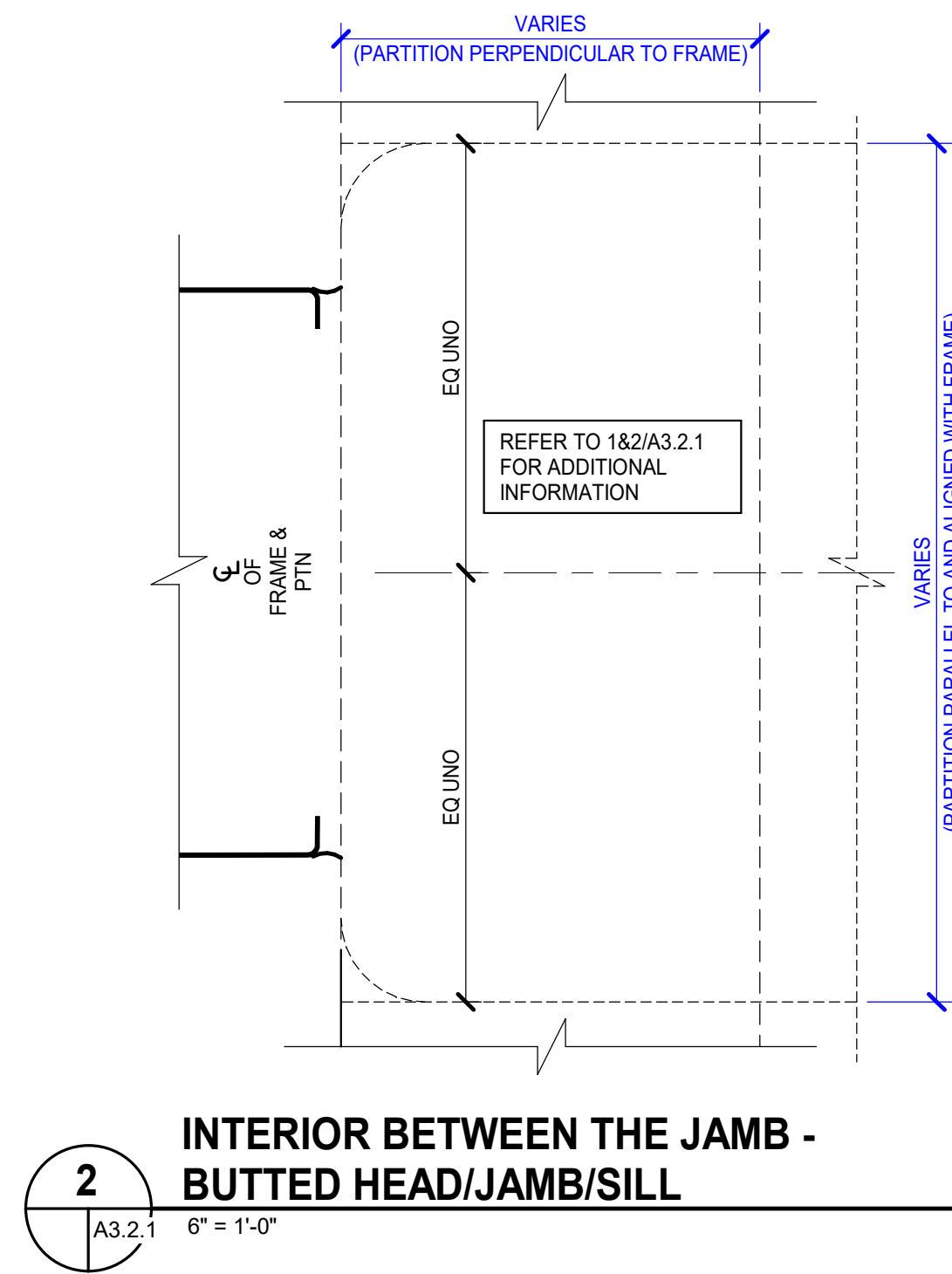
6 JAMB DETAIL
A3.2.1 3" = 1'-0"



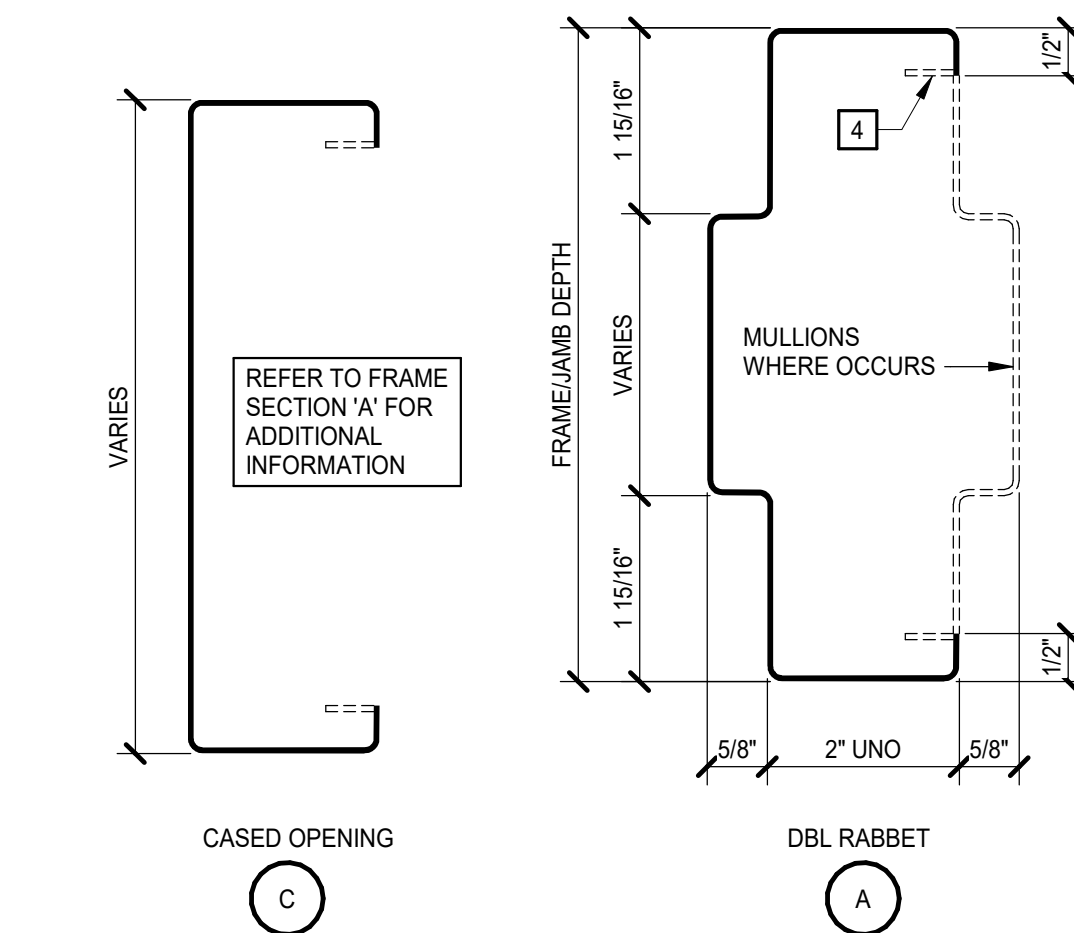
MANEUVERING CLEARANCE AT DOORS
NO SCALE



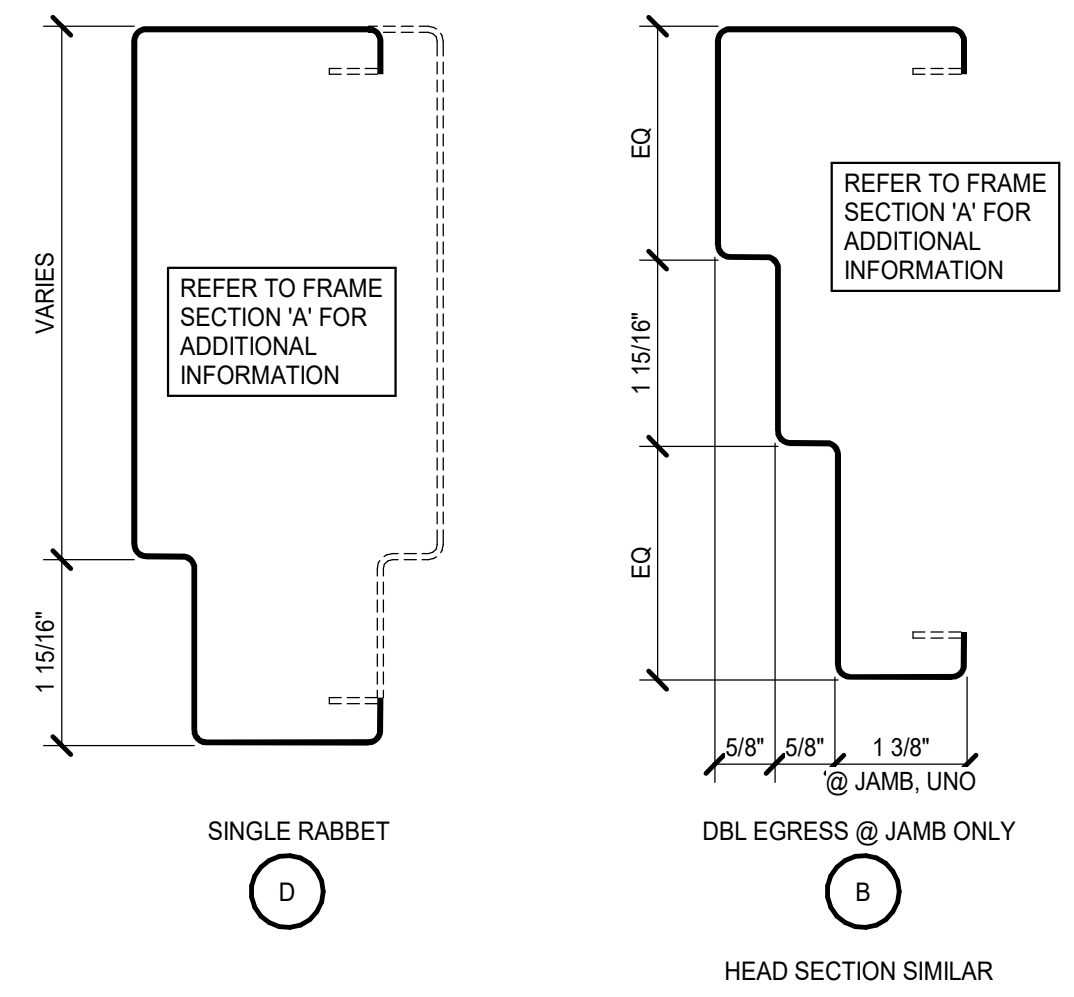
1 INTERIOR WRAP HEAD/JAMB/SILL
A3.2.1 6" = 1'-0"



2 INTERIOR BETWEEN THE JAMB - BUTTED HEAD/JAMB/SILL
A3.2.1 6" = 1'-0"



HOLLOW METAL FRAME SECTIONS
NO SCALE



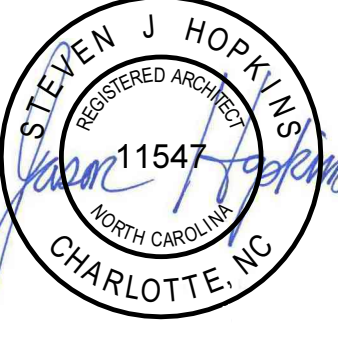
DOOR AND FRAME DETAIL KEYNOTES	
REPRESENTED BY n	
APPLIES TO DRAWINGS A3.2.1 - A3.2.n	
1	ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/OR LINTELS ARE NOT SHOWN FOR CLARITY.
2	REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
3	SEALANT, ALL SIDES - TOOL TO 90°.
4	BACKBEND RETURN @ GB LOCATIONS ONLY.
5	9/16" @ MAS; 1/2" @ GB.
6	1/4" @ JAMBS, UNO; DIMENSION @ HEAD & SILL VARIES.
7	BULLNOSE @ CMU JAMBS & SILLS.
8	0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.

PROJECT NO: 623324
DATE: 10/1/2025
REVISIONS
DATE DESCRIPTION

DOOR AND FRAME
DETAILS

A3.2.1

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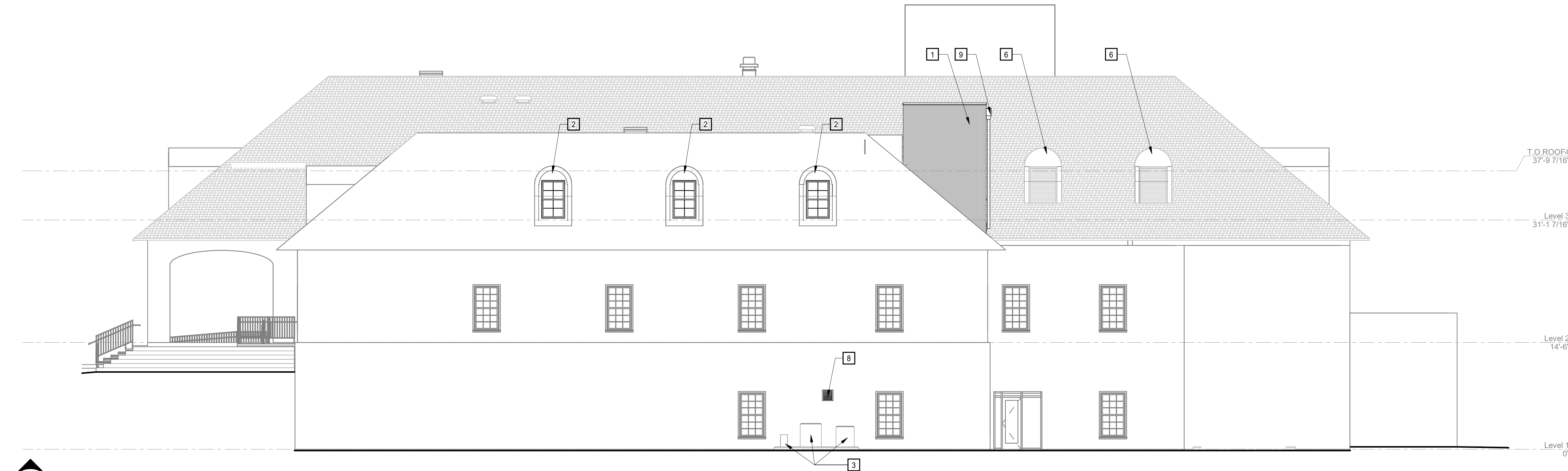
MOSELEYARCHITECTS

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PHONE (704) 540-5755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

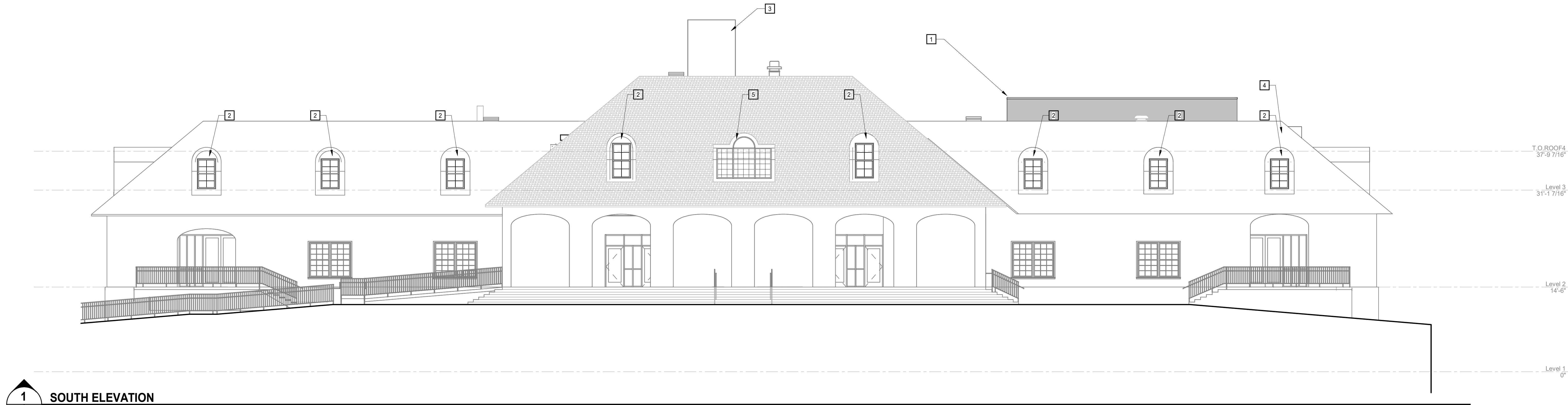
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
2
A1.2.1 A4.1
1/8" = 1'-0"
EAST ELEVATION



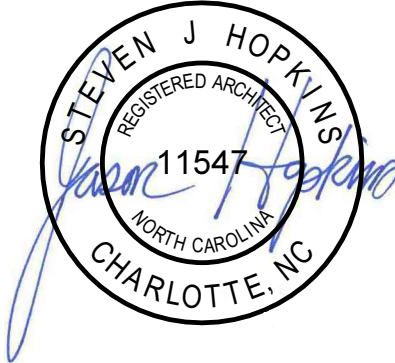
1
A002 A4.1
1/8" = 1'-0"
SOUTH ELEVATION



BUILDING ELEVATION KEYNOTES

REPRESENTED BY 
APPLIES TO DRAWINGS A4.1 - A4.n

- 1 METAL PANEL TO MATCH EXISTING METAL ON THE DORMERS
- 2 ALUM CLAD WD WINDOW - MATCH EXISTING
- 3 NEW MECHANICAL UNIT(S) - REFER TO MECH DRAWINGS
- 4 EXISTING TO REMAIN. VERIFY IN FIELD EXISTING OPENINGS FOR WINDOW SIZES, TYPICAL.
- 5 EXISTING WINDOW TO REMAIN
- 6 METAL LOUVERS TO REMAIN
- 7 FIRE RATED STEEL WINDOWS
- 8 16"x16" METAL LOUVERS, COORD WITH STRUCTURAL DWGS TYP UNTEL DETAILS. FLASHING DETAIL SIM TO 4/A3.2.1
- 9 THRU WALL SCUPPER WITH LEADER BOX AND DOWNSPOUT



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PROJECT NO: 623324
DATE: 10/1/2025
REVISIONS
DATE DESCRIPTION

BUILDING ELEVATIONS

MOSELEYARCHITECTS

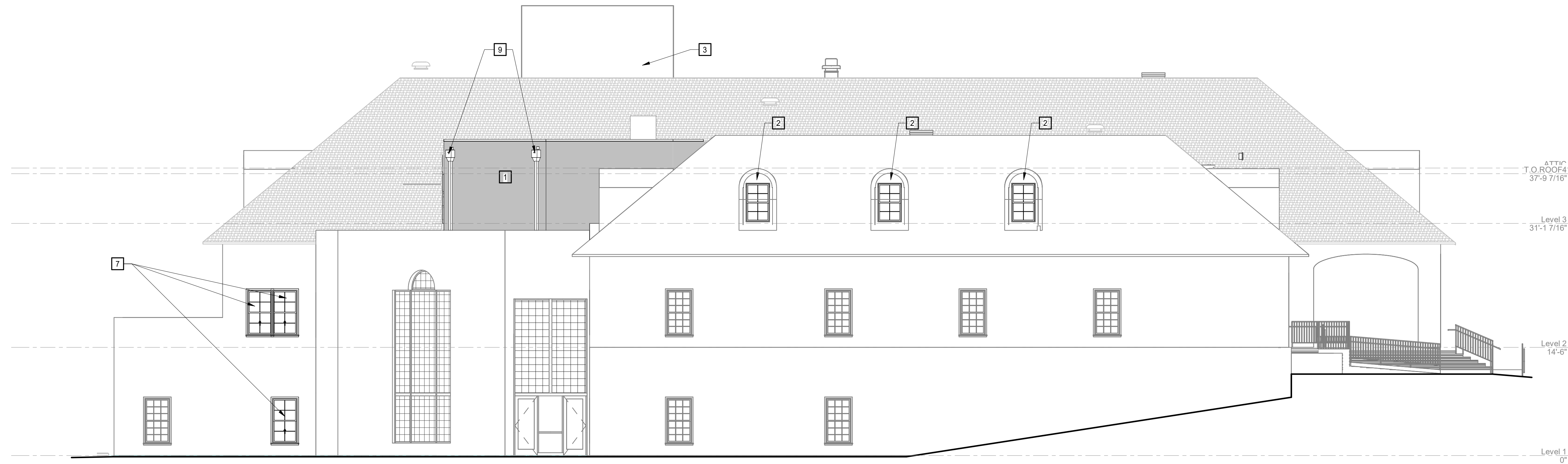
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A4.1

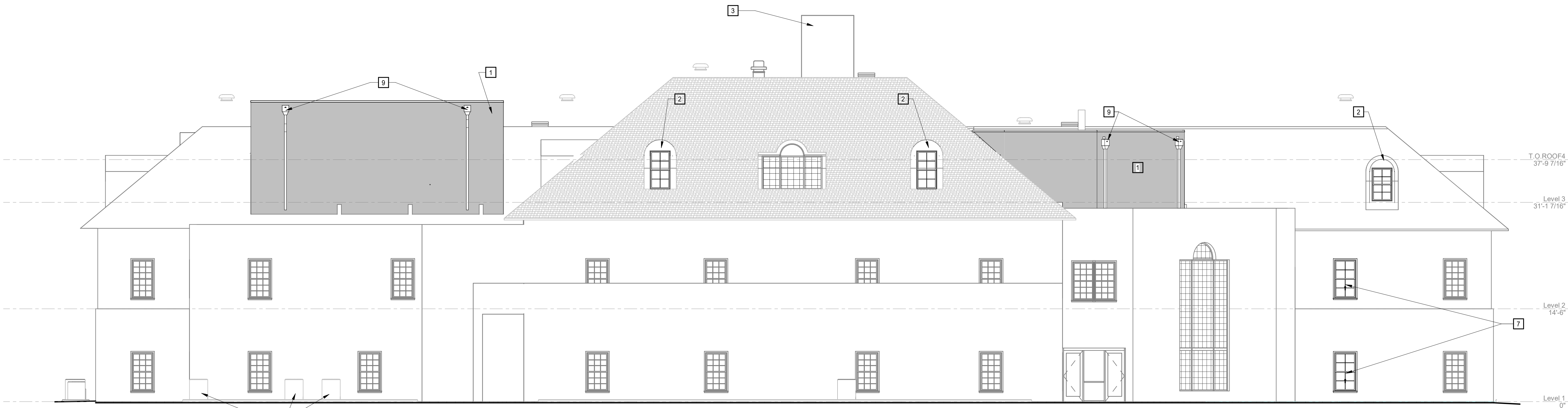
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WEST ELEVATION
A1.2.1 A4.2 1/8" = 1'-0"



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NORTH ELEVATION
A1.2.1 A4.2 1/8" = 1'-0"



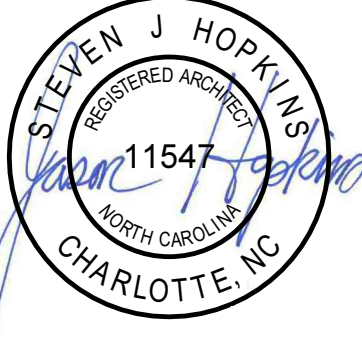
BUILDING ELEVATION KEYNOTES

REPRESENTED BY **[A]**
APPLIES TO DRAWINGS A4.1 - A4.n

- 1 METAL PANEL TO MATCH EXISTING METAL ON THE DORMERS
- 2 ALUM CLAD WD WINDOW - MATCH EXISTING
- 3 NEW MECHANICAL UNIT(S) - REFER TO MECH DRAWINGS
- 4 EXISTING TO REMAIN. VERIFY IN FIELD EXISTING OPENINGS FOR WINDOW SIZES, TYPICAL.
- 5 EXISTING WINDOW TO REMAIN
- 6 METAL LOUVERS TO REMAIN
- 7 FIRE RATED STEEL WINDOWS
- 8 16"x16" METAL LOUVERS, COORD WITH STRUCTURAL DWGS TYP UNTEL DETAILS. FLASHING DETAIL SIM TO A4.3.2.1
- 9 THRU WALL SCUPPER WITH LEADER BOX AND DOWNSPOUT

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PROJECT NO: 623324
DATE: 10/1/2025
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DATE DESCRIPTION

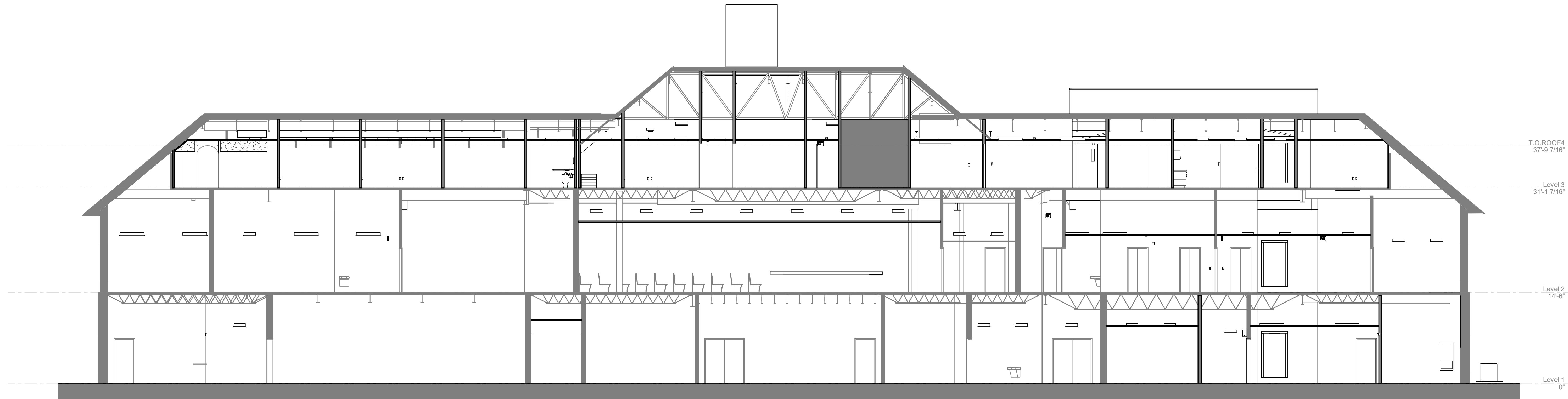
BUILDING ELEVATIONS

A4.2

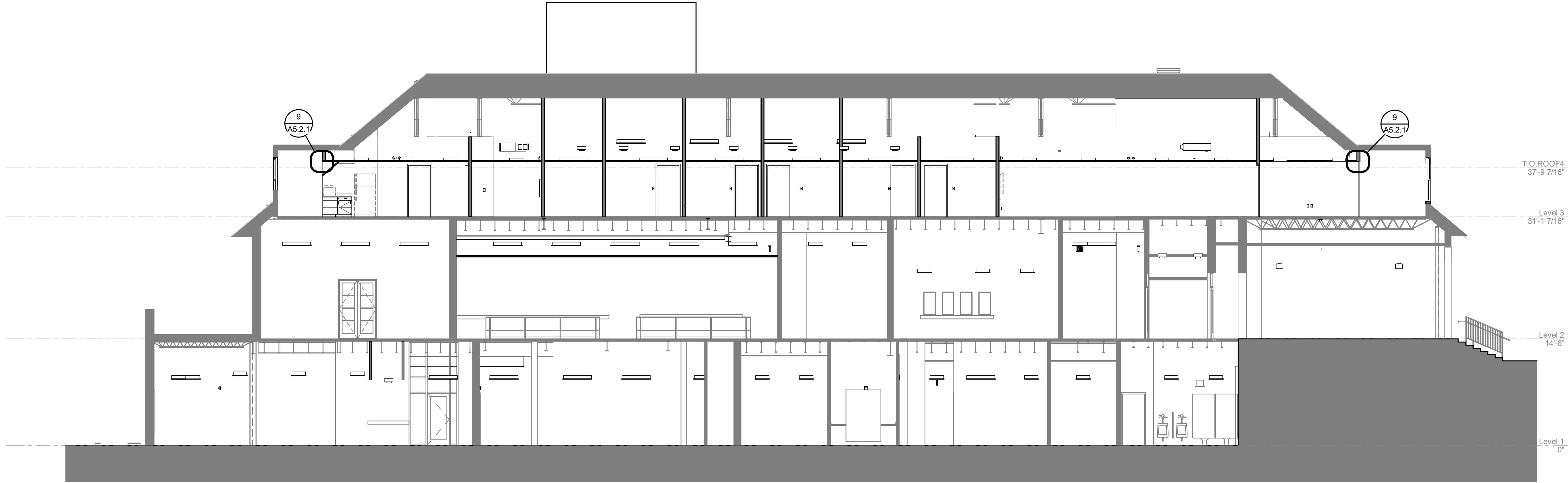
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1 BUILDING SECTION
A002 | A5.0.1 1/8" = 1'-0"



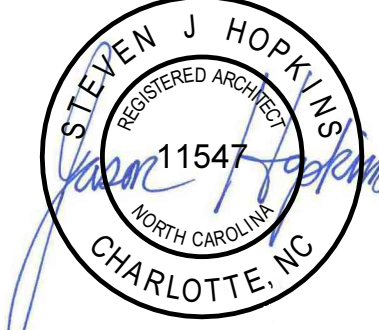
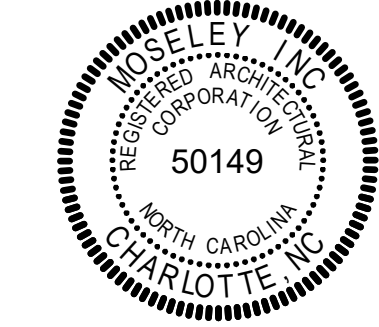
2 BUILDING SECTION
A002 | A5.0.1 1/8" = 1'-0"



BUILDING SECTIONS

PROJECT NO: 623324	
DATE: 10/1/2025	
REVISIONS	
DATE	DESCRIPTION

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HALIFAX COUNTY
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HALIFAX, NC 27839



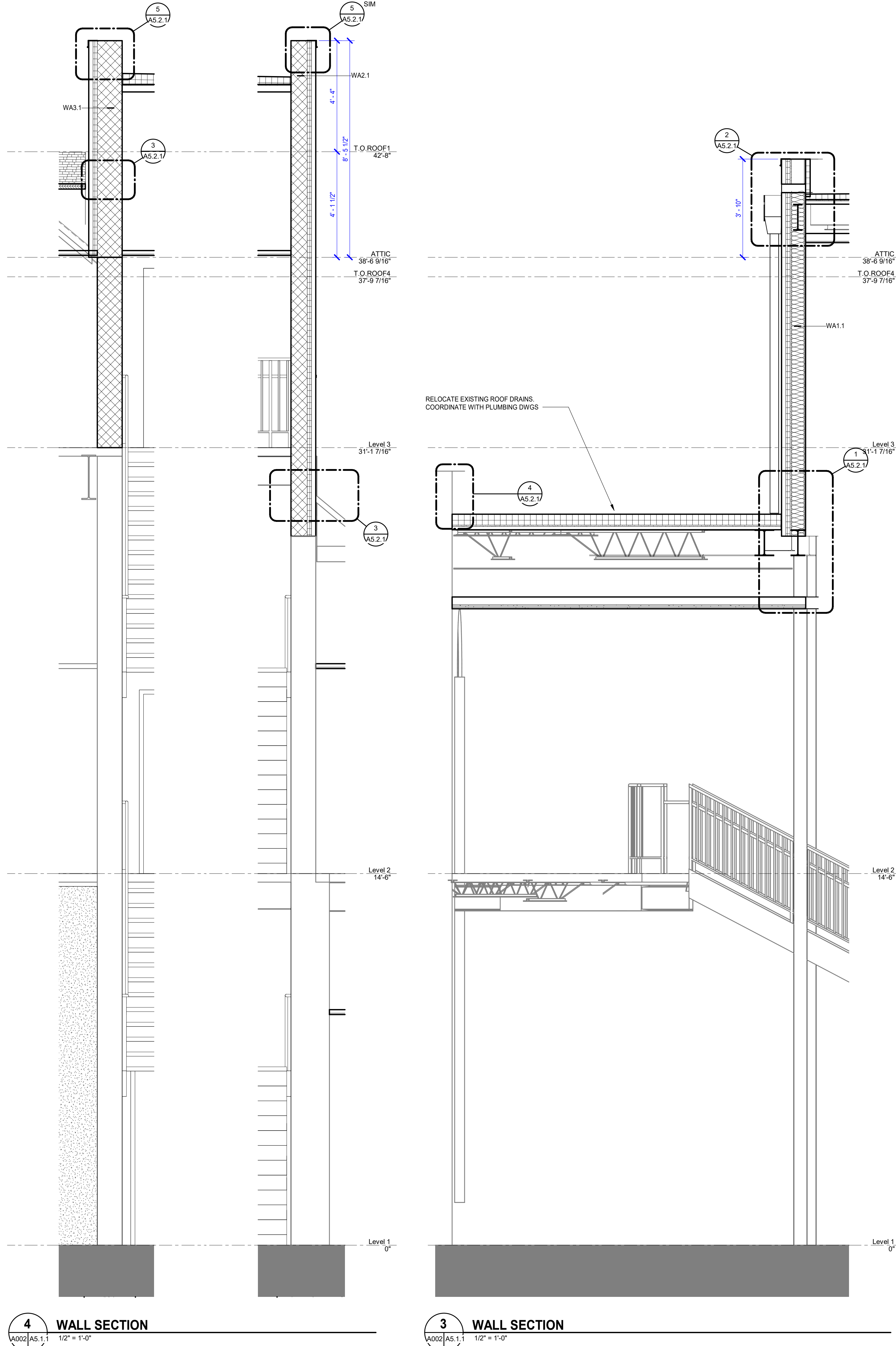
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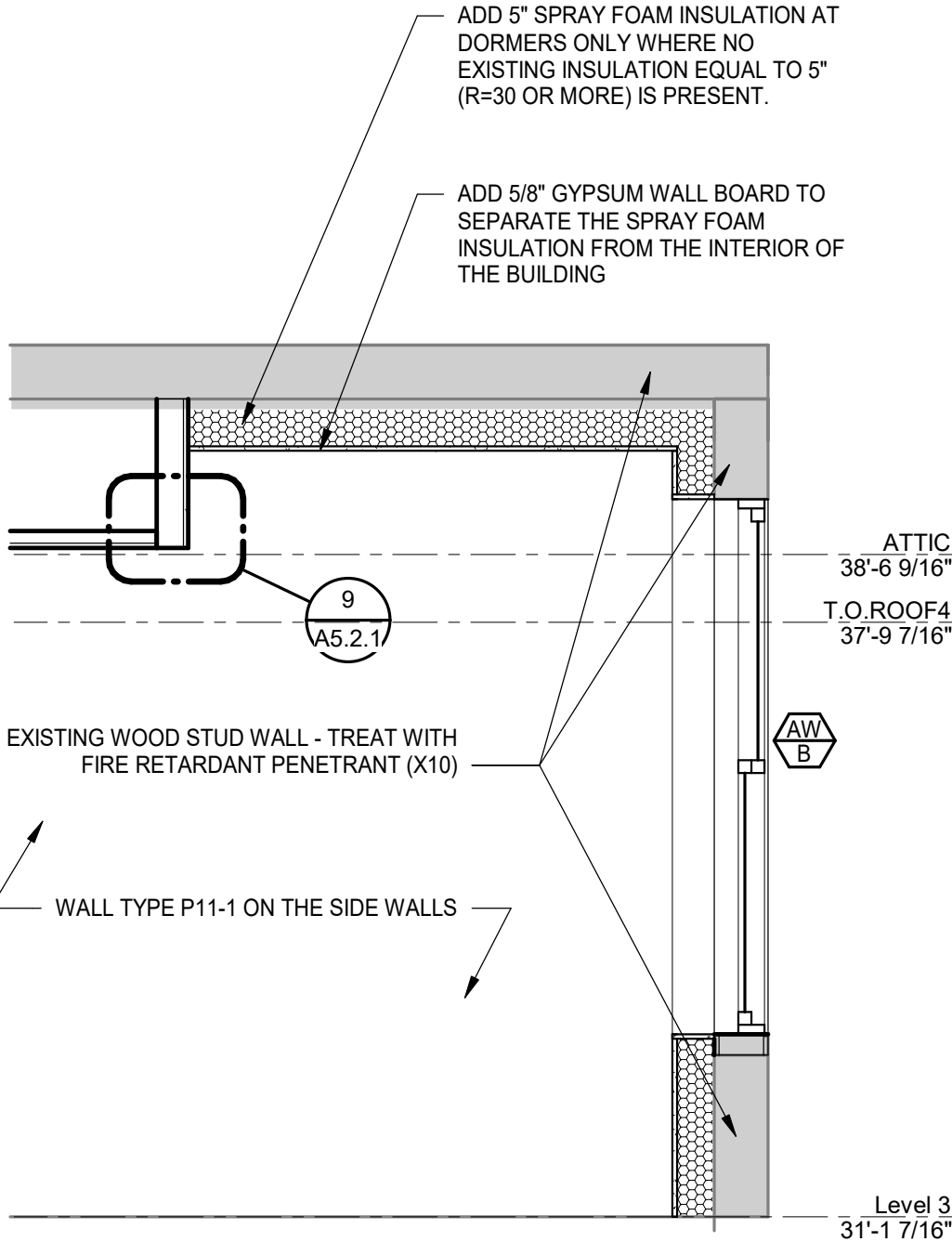
A5.0.1

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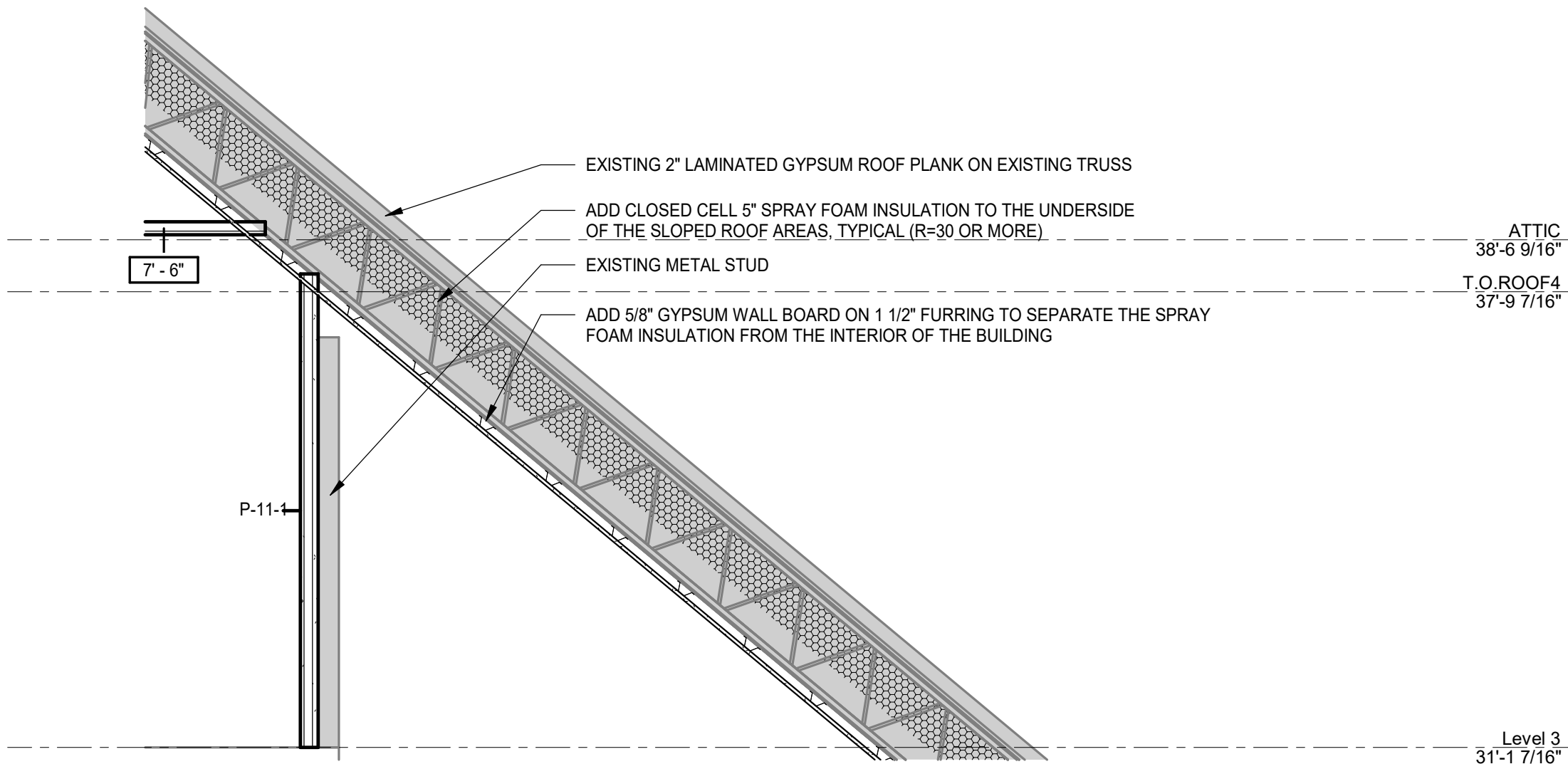


EXTERIOR WALL ASSEMBLIES			
APPLIES TO A5.1 AND A5.2 SERIES OF DRAWINGS			
REPRESENTED BY (WAn)			
MARK	FIRE RATING (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
WA1	--		
WA1.1	X2	UL465	
WA2.1	X1	U905	
WA3.1	X1	U905	

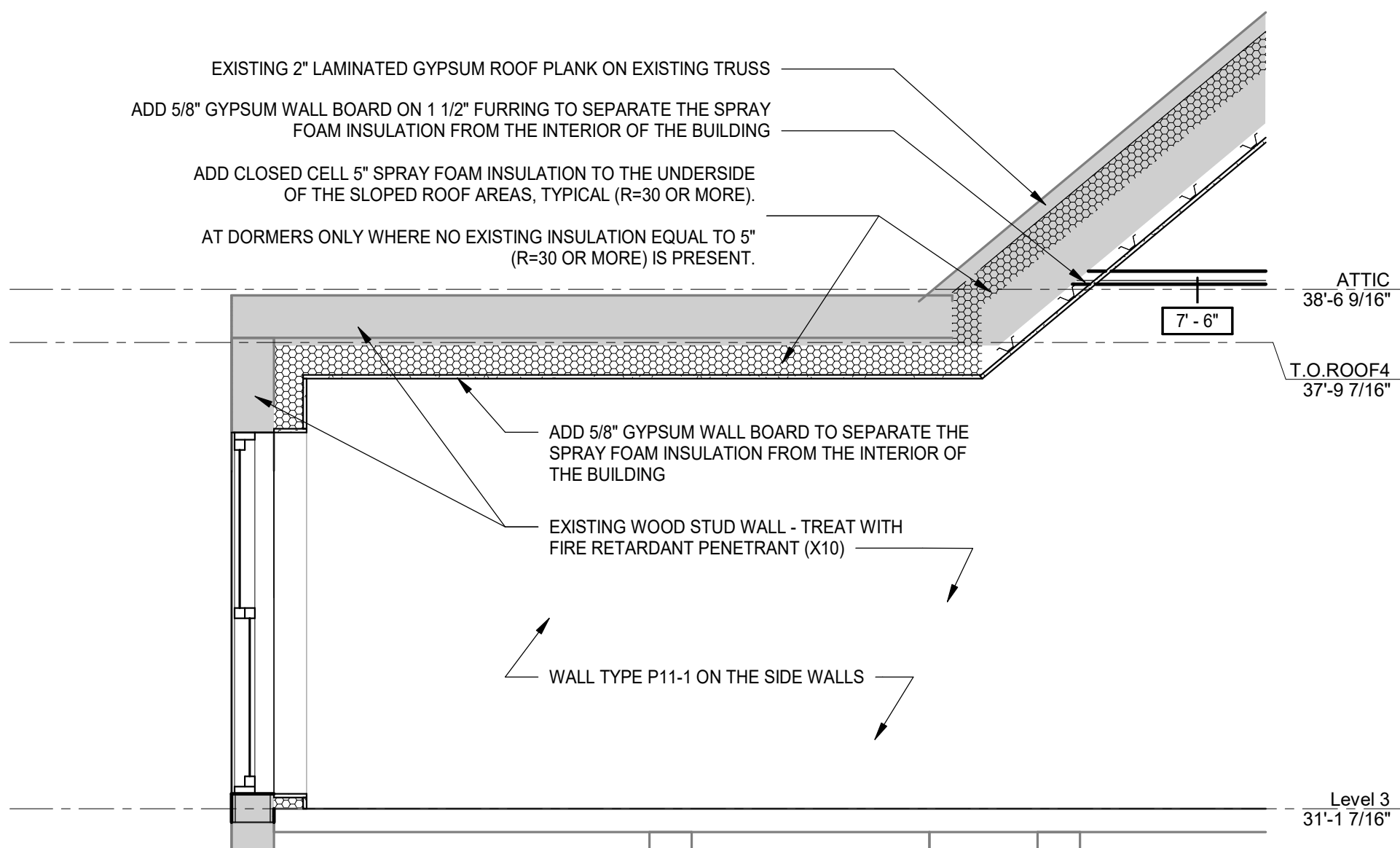
WALL SECTION KEYNOTES	
REPRESENTED BY (n)	
APPLIES TO DRAWINGS A5.1.1 - A5.1.n	
1	CEILING AS SCHEDULED
2	NEW EXTERIOR GWB CEILING. MATCH EXISTING ADJACENT ASSEMBLY / COLOR.
3	EXTERIOR LIGHT PER E-SERIES
4	ALUMINUM STOREFRONT SYSTEM
5	EXISTING BRICK FLOOR FINISH AT PORTICO
7	EXISTING STRUCTURE
8	EXISTING EXTERIOR WALL ASSEMBLY



5 WALL SECTION THRU EXISTING DORMER



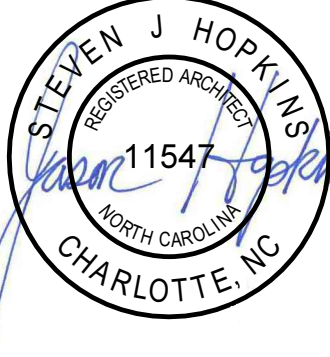
2 WALL SECTION THRU EXISTING ROOF



1 WALL SECTION THRU EXISTING DORMERS, TYPICAL

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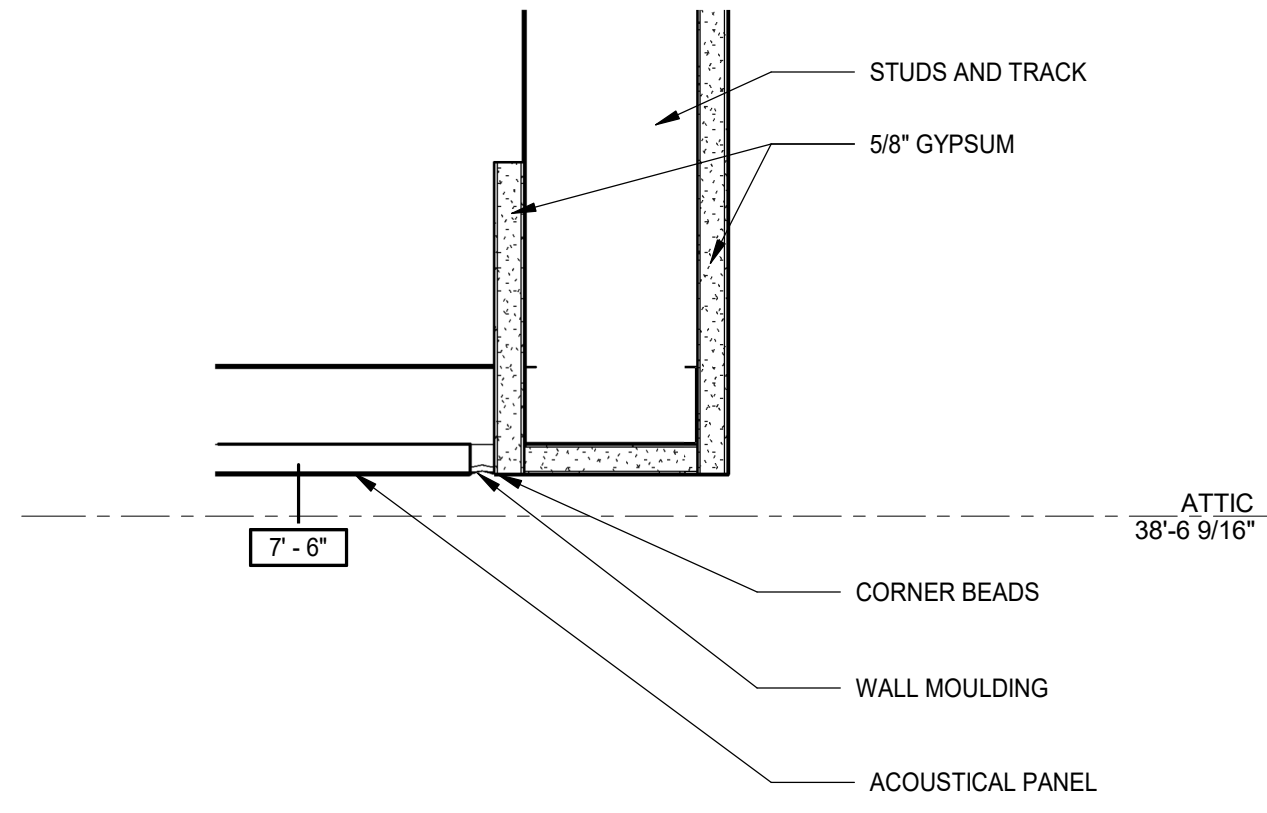
HALIFAX COUNTY COURTHOUSE

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HALIFAX, NC 27839

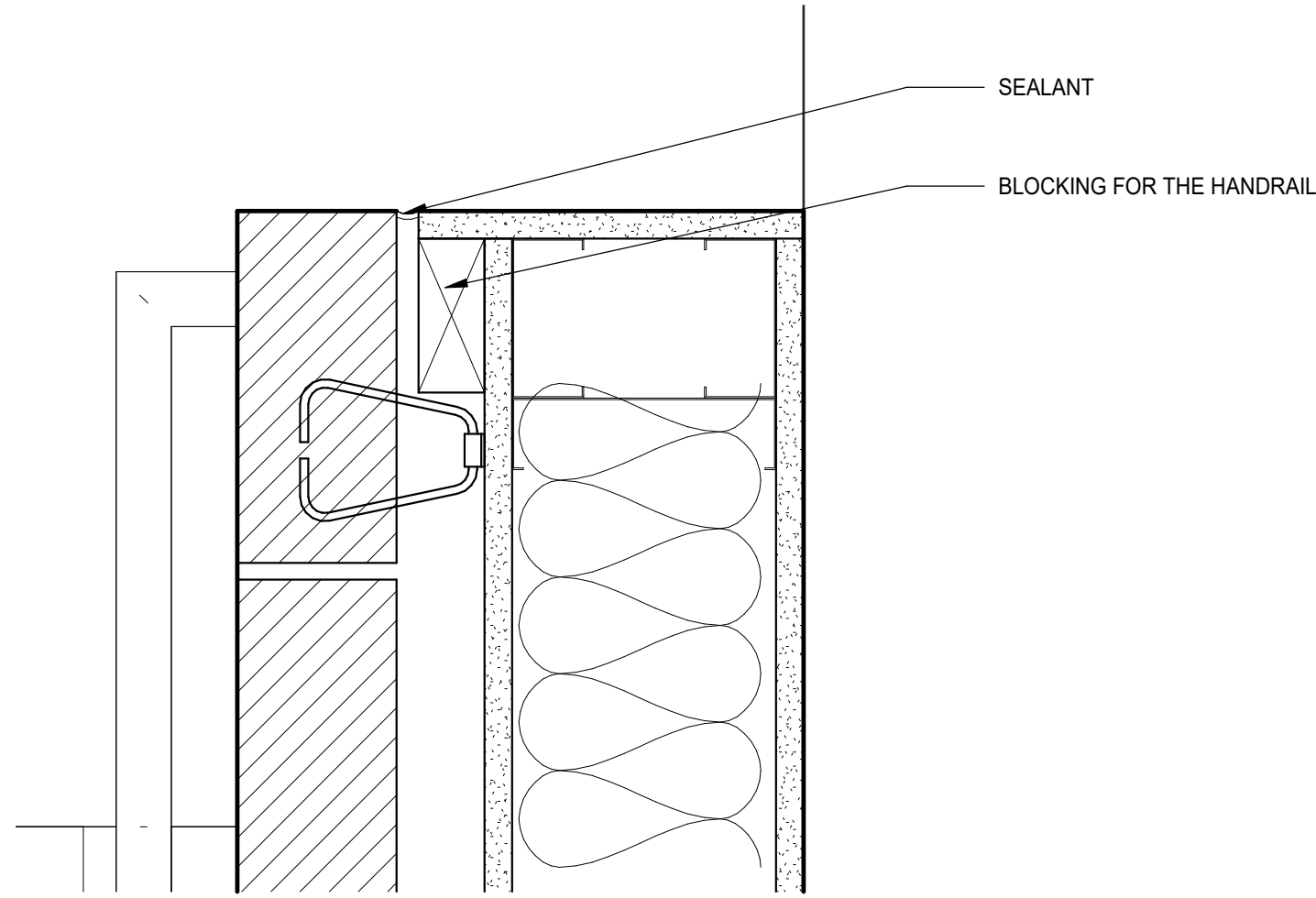
PROJECT NO:	623324
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DATE	DESCRIPTION

WALL SECTIONS

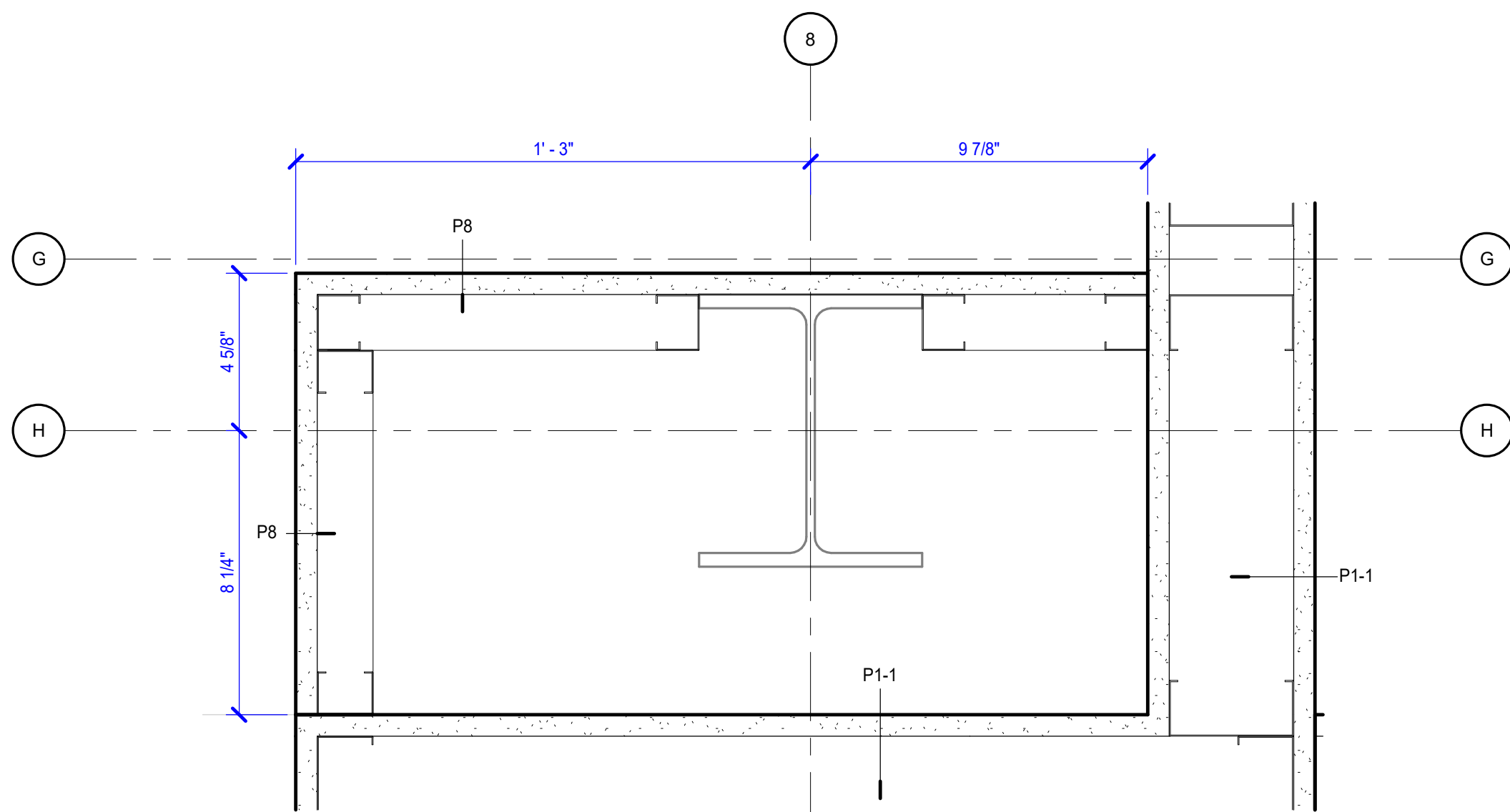
A5.1.1



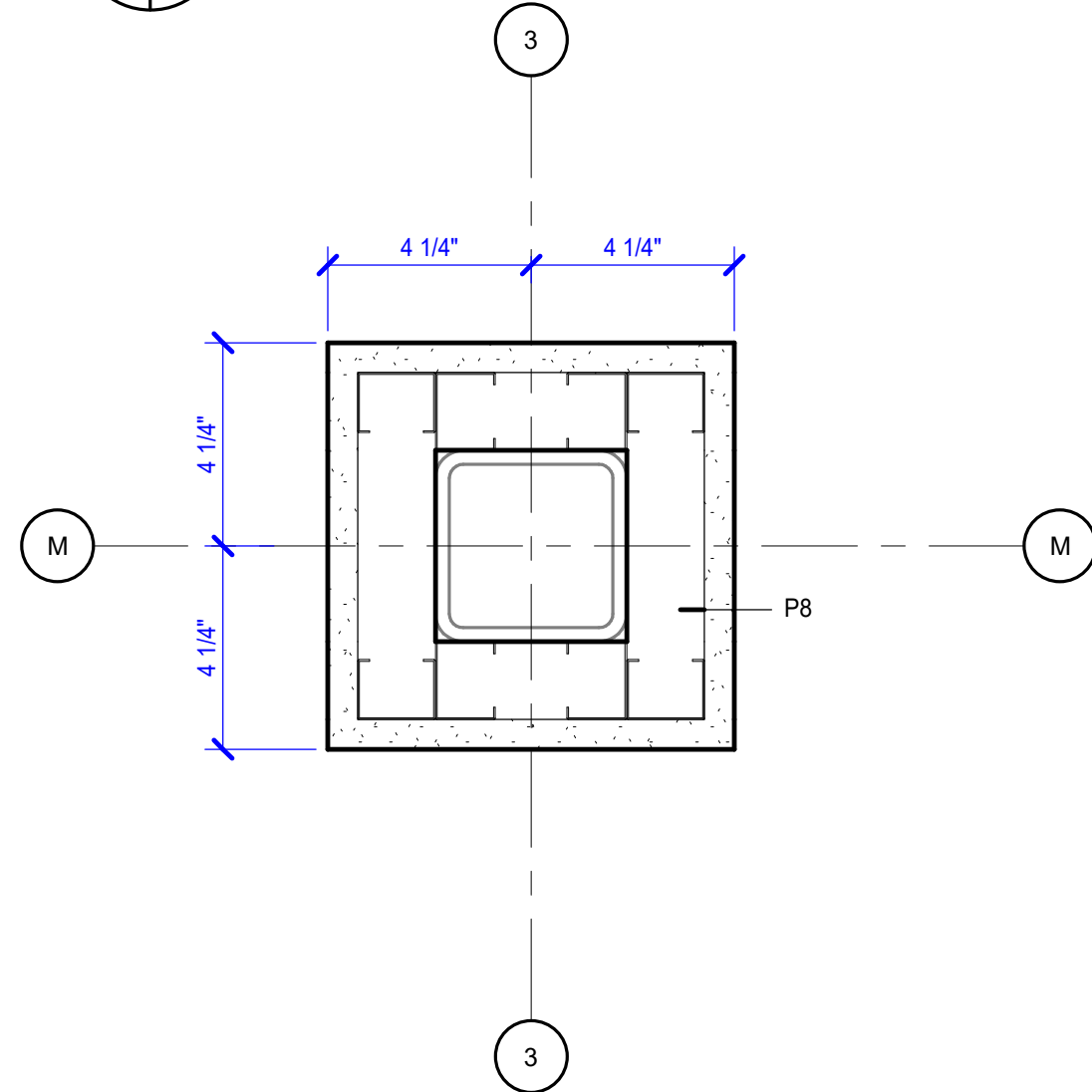
9 CEILING DETAILS
A5.0.1 | A5.2.1 3" = 1'-0"



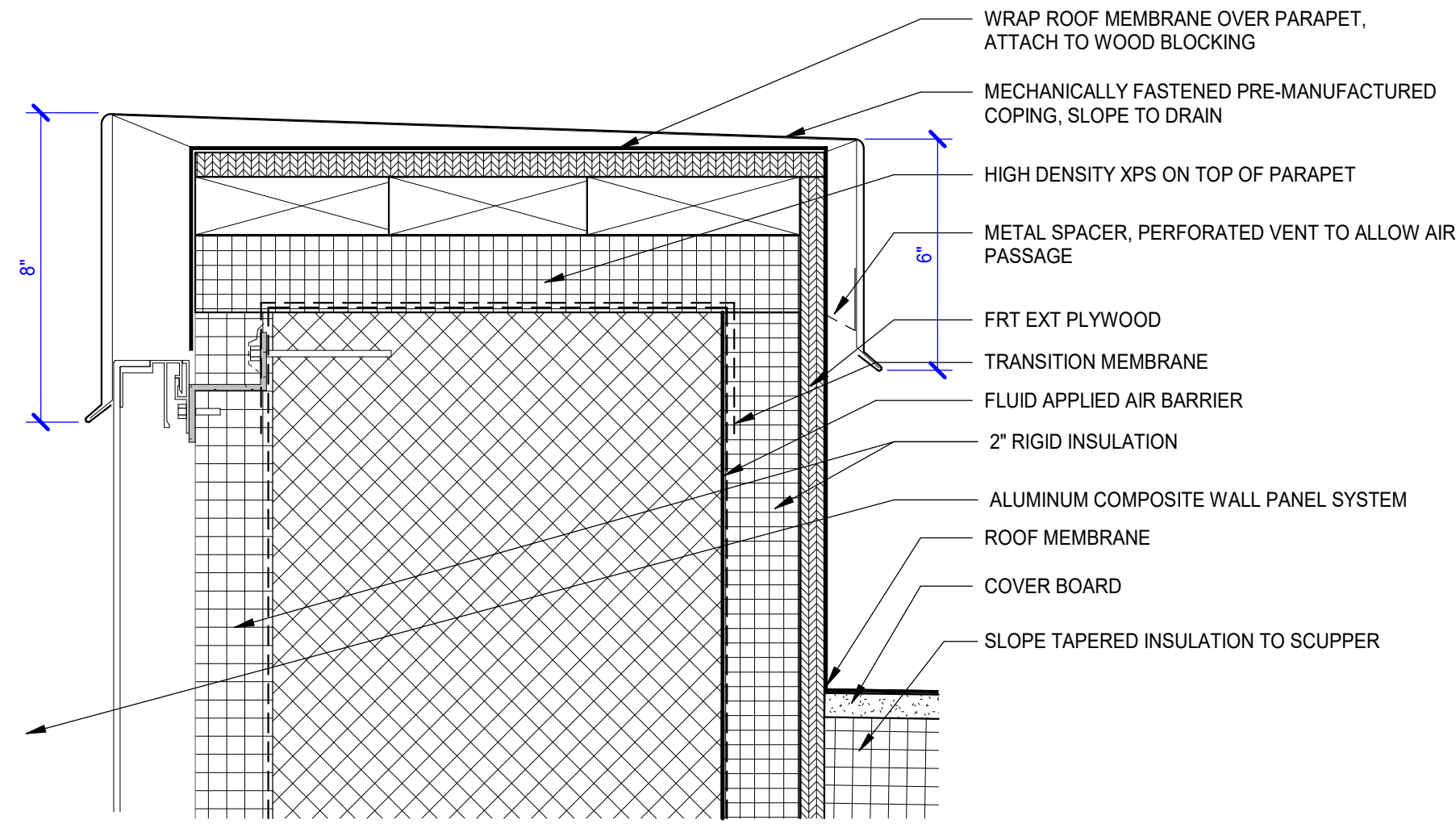
8 PLAN DETAIL AT STAIR 1
A6.1.2 | A5.2.1 3" = 1'-0"



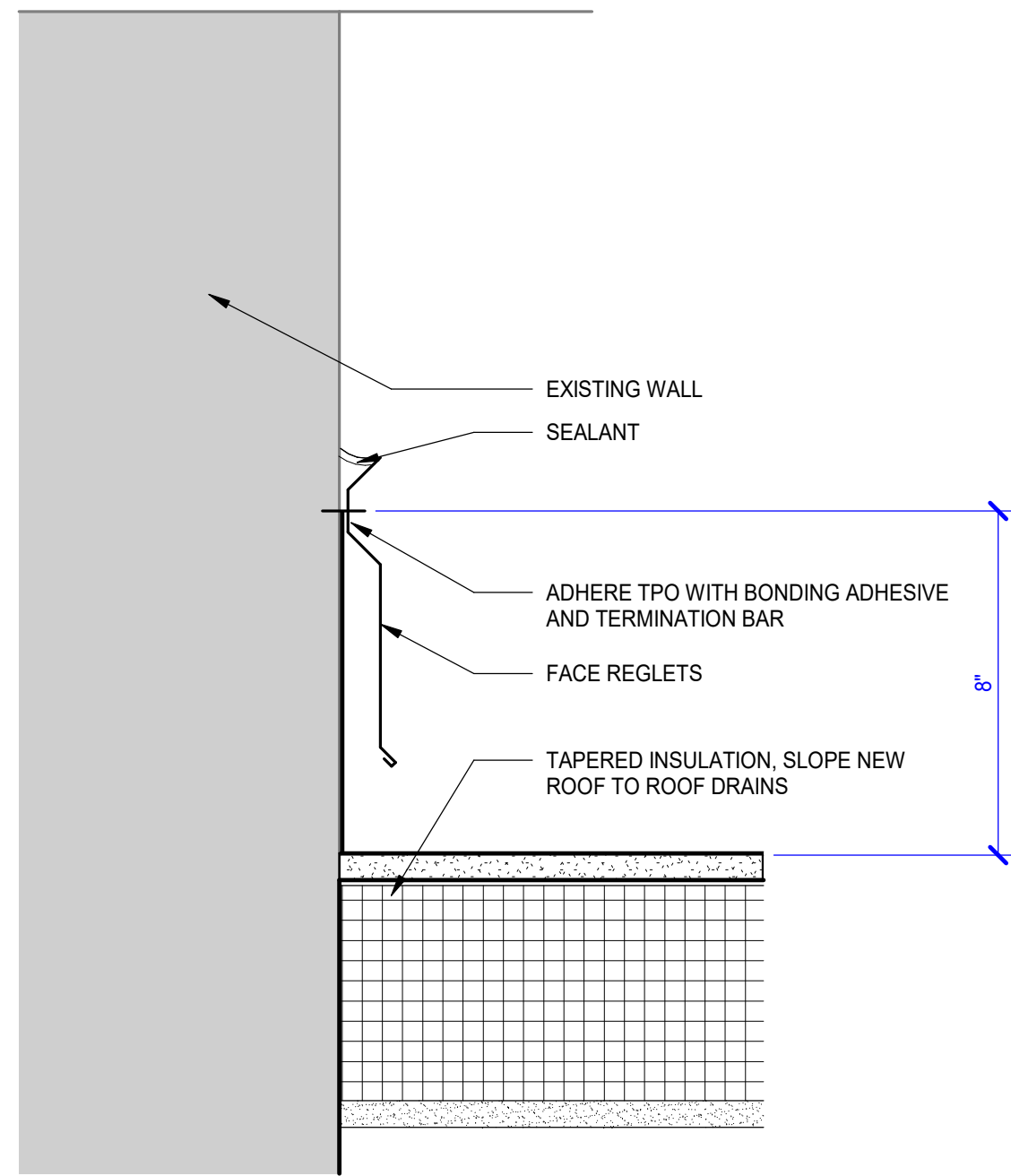
7 COLUMN ENCLOSURE
A5.2.1 3" = 1'-0"



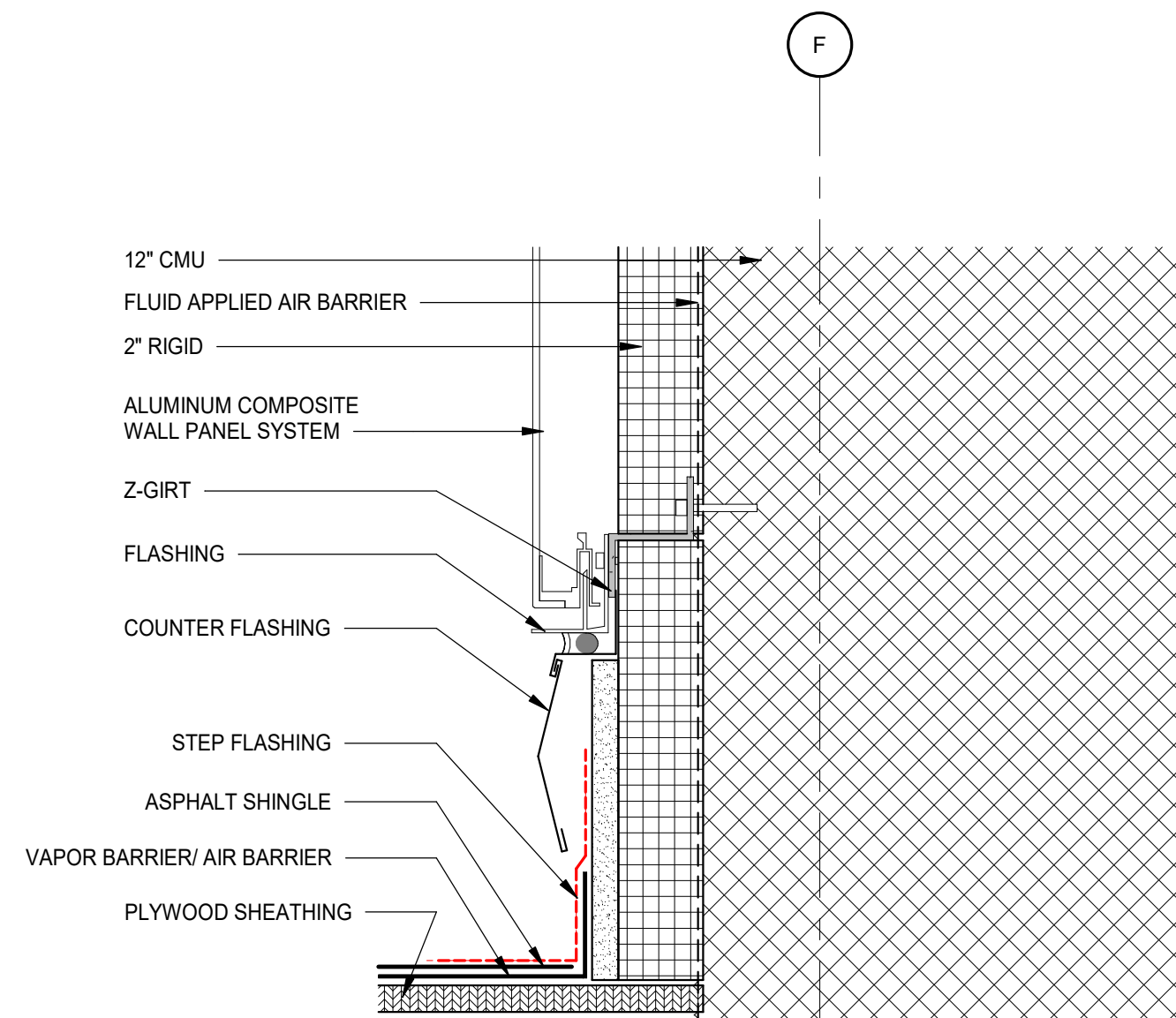
6 COLUMN ENCLOSURE
A5.2.1 3" = 1'-0"



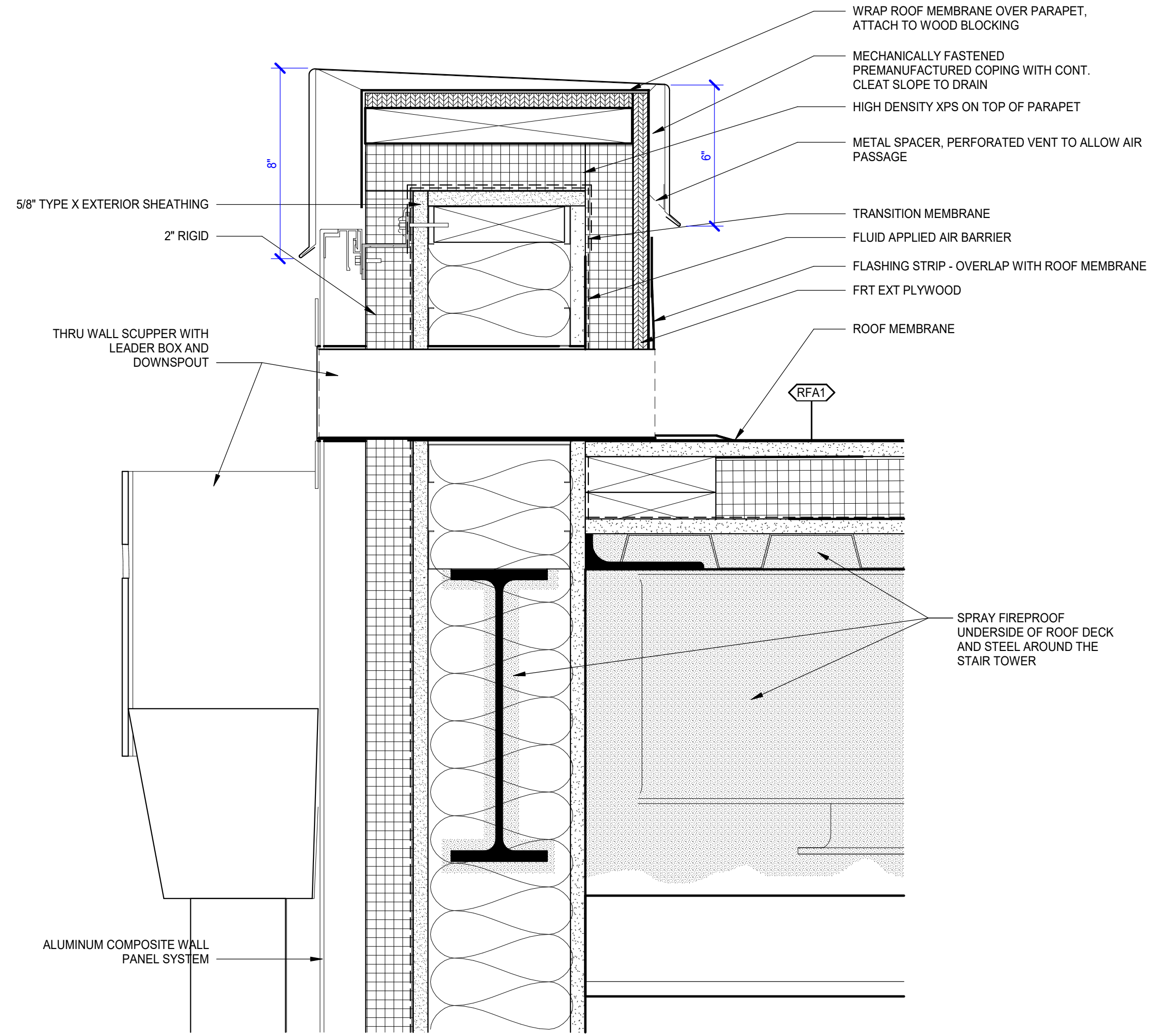
5 TYPICAL PARAPET DETAIL AT CMU WALL
A5.1.1 | A5.2.1 3" = 1'-0"



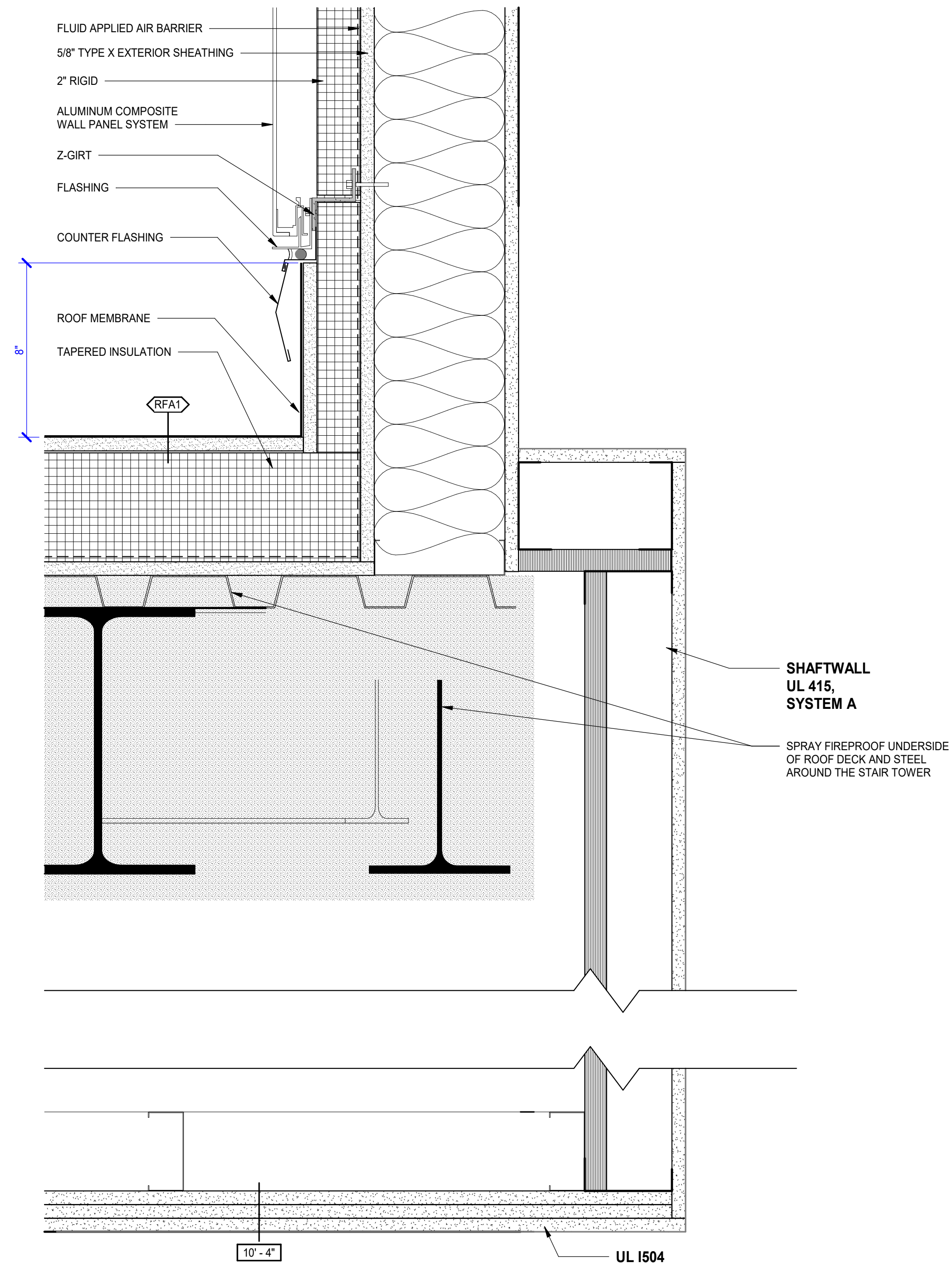
4 FLASHING DETAIL, NEW ROOF TO EXISTING WALL
A5.1.1 | A5.2.1 3" = 1'-0"



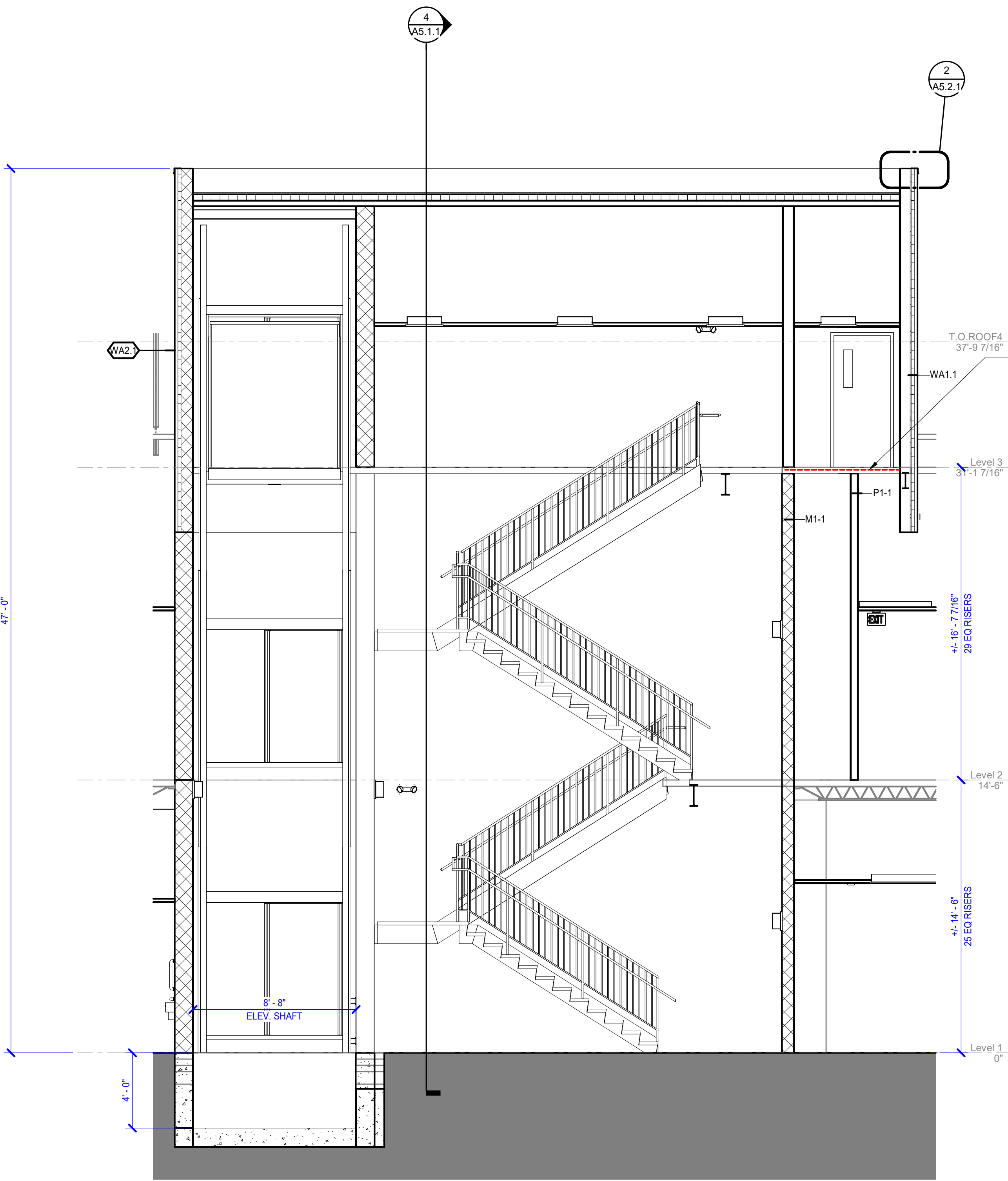
3 SLOPED ROOF TO WALL TRANSITION
A5.1.1 | A5.2.1 3" = 1'-0"



2 TYPICAL PARAPET DETAIL AT CFSF WALL
A5.1.1 | A5.2.1 3" = 1'-0"

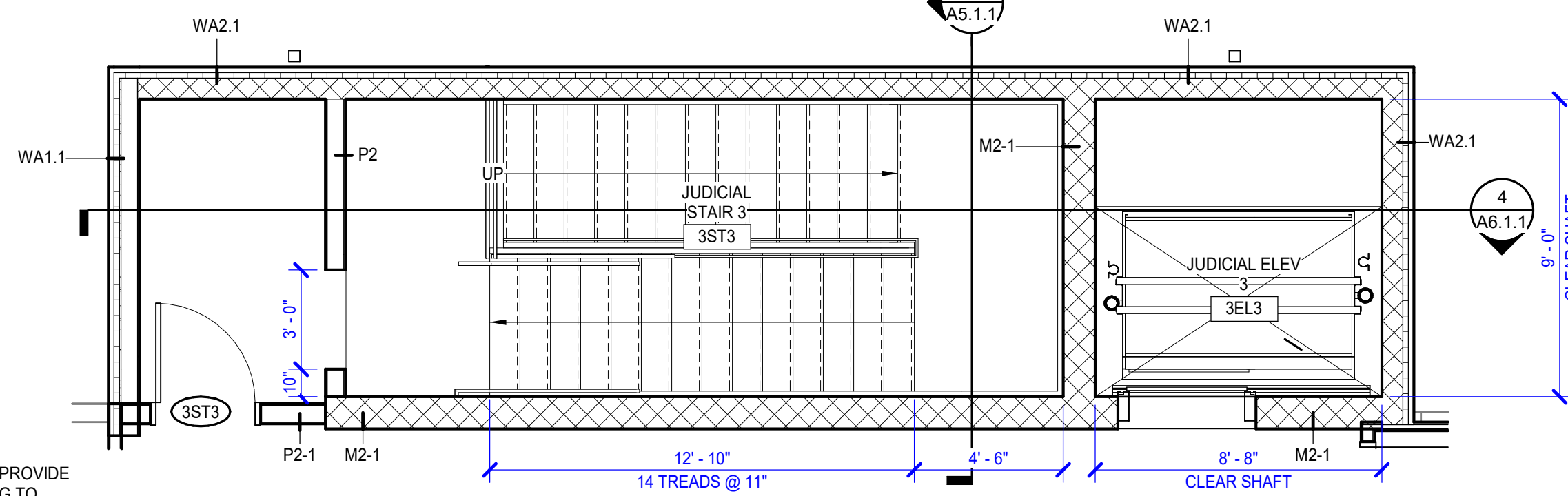


1 BASE OF PARAPET WALL ON EXISTING ROOF
A5.1.1 | A5.2.1 3" = 1'-0"

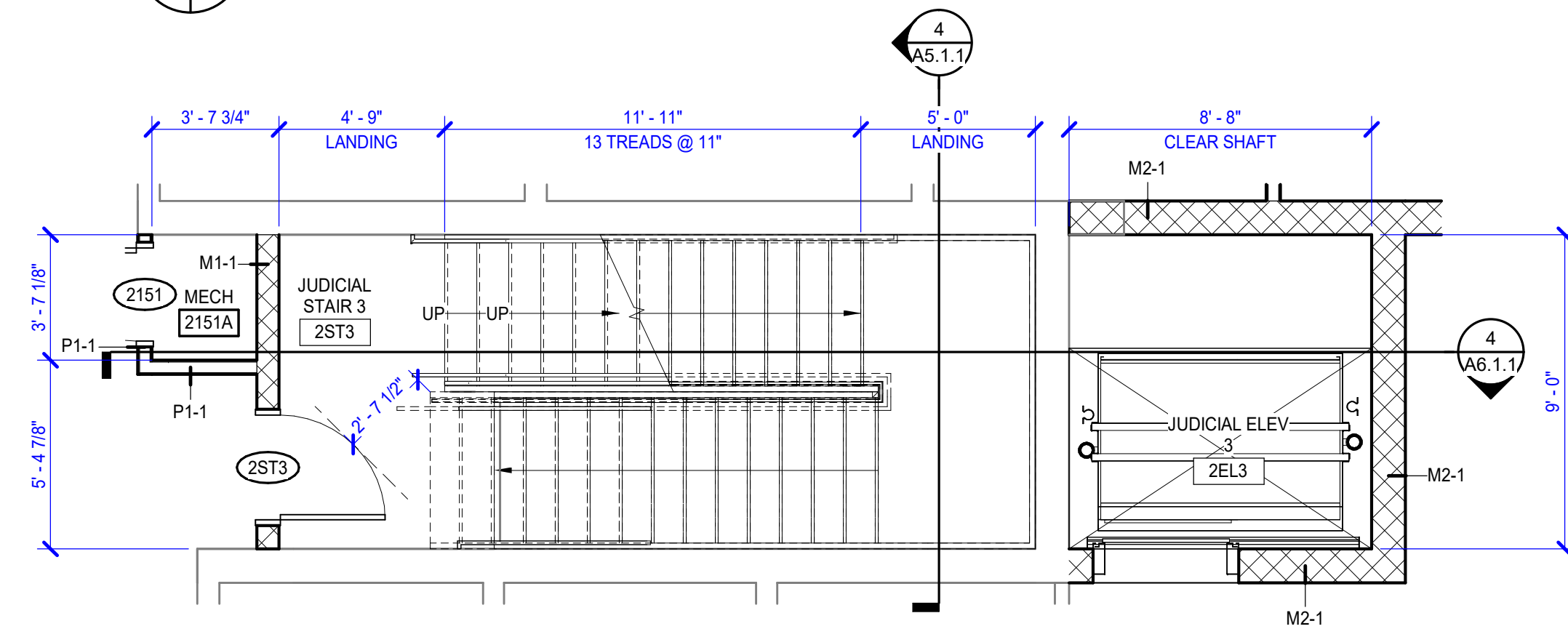


4 SECTION - JUDICIAL STAIR 3 / ELEV 3
A2.1 A6.1 1/4" = 1'-0"

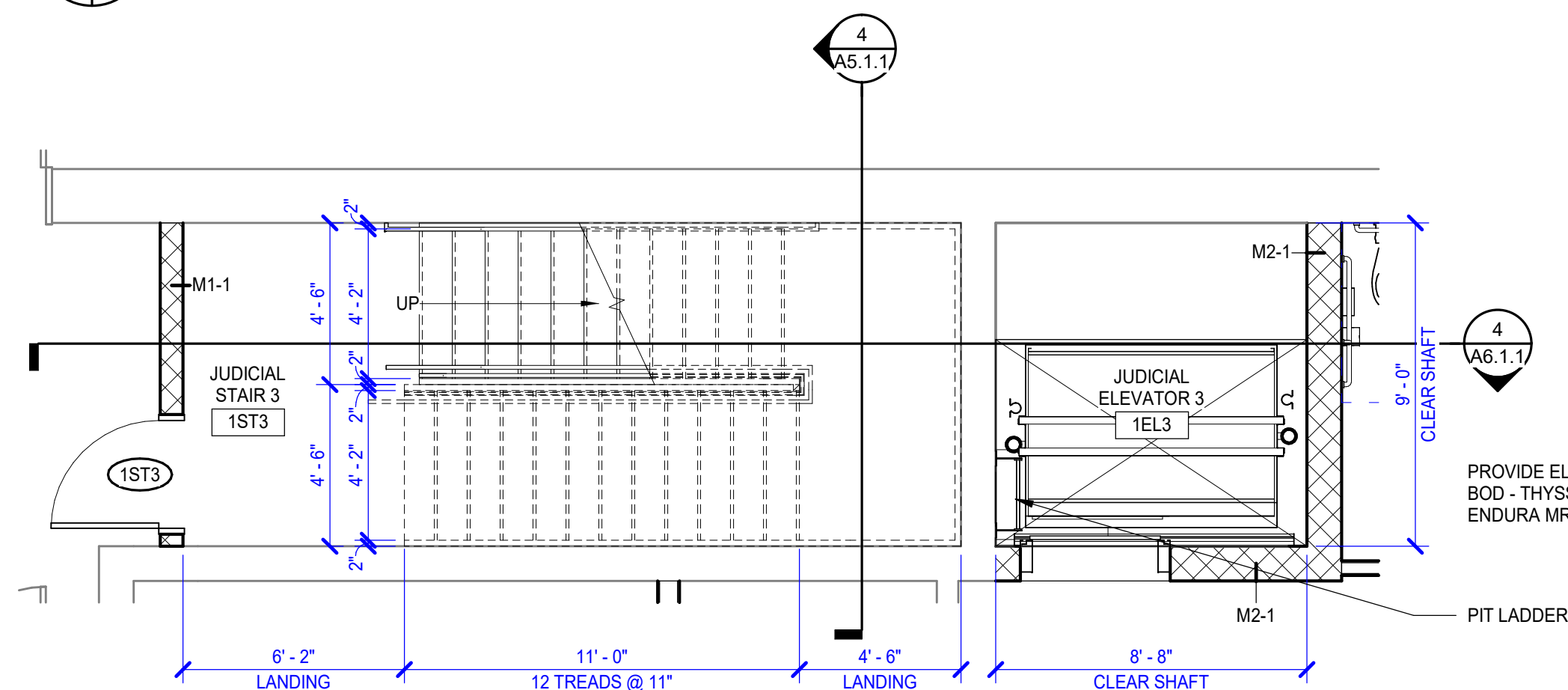
TO MAINTAIN STAIR ENCLOSURE PROVIDE 1-HOUR FIRE-RESISTANCE-RATING TO FLOOR ASSEMBLY USING 1.5" METAL DECK WITH 3" LIGHTWEIGHT CONCRETE TOPPING. APPLY SPRAY-APPLIED FIRE-RESISTIVE MATERIAL (SFRM) TO THE UNDERSIDE OF THE METAL DECK AND ALL SUPPORTING STEEL MEMBERS IN ACCORDANCE WITH UL DESIGN (D902) TO ACHIEVE REQUIRED FIRE RATING. COORDINATE FIREPROOFING THICKNESS AND MATERIALS WITH UL REQUIREMENTS AND SFRM MANUFACTURER.



3 ENLARGED PLAN - JUDICIAL STAIR 3 / ELEV 3 - LEVEL 3
A2.3 A6.1 1/4" = 1'-0"

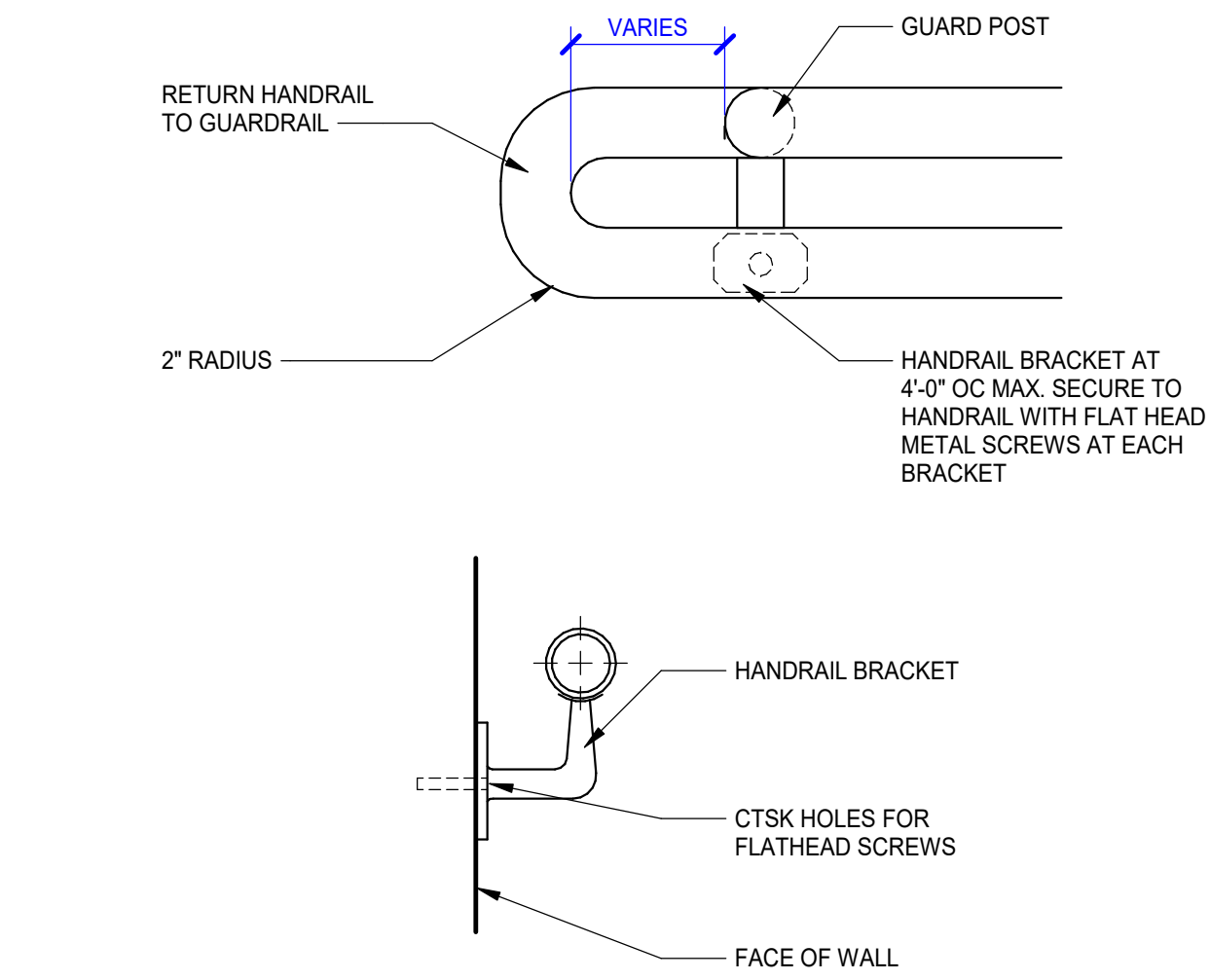
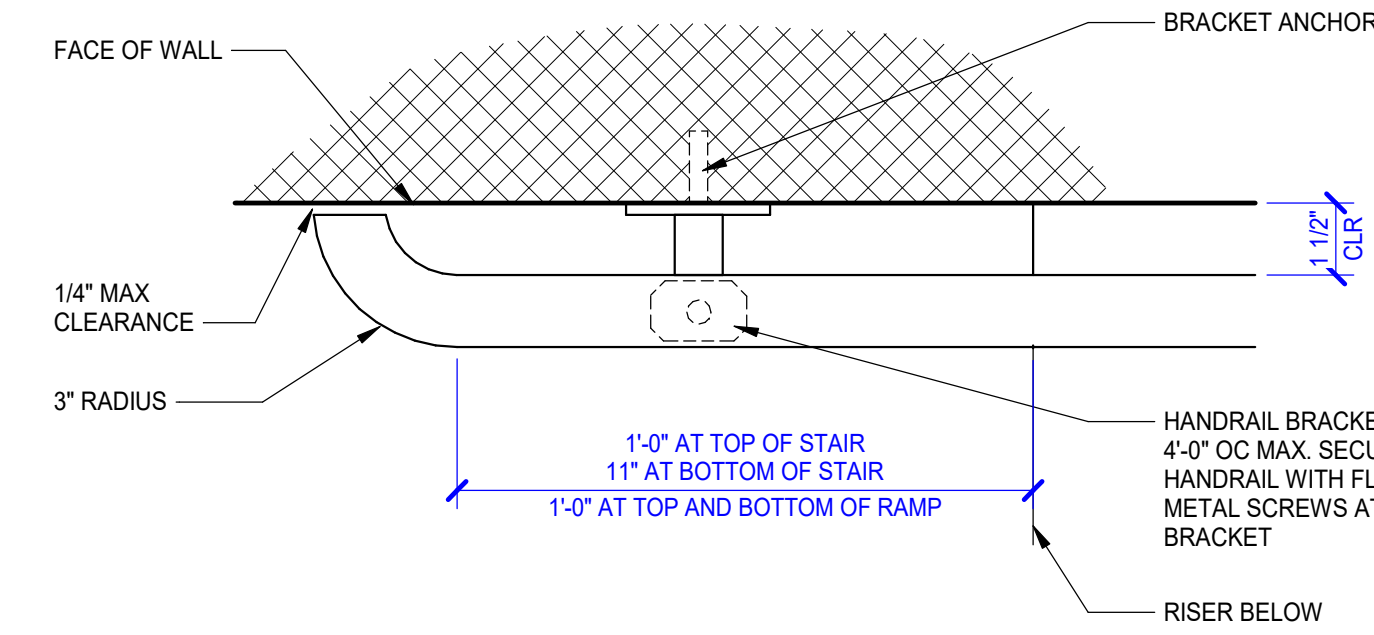
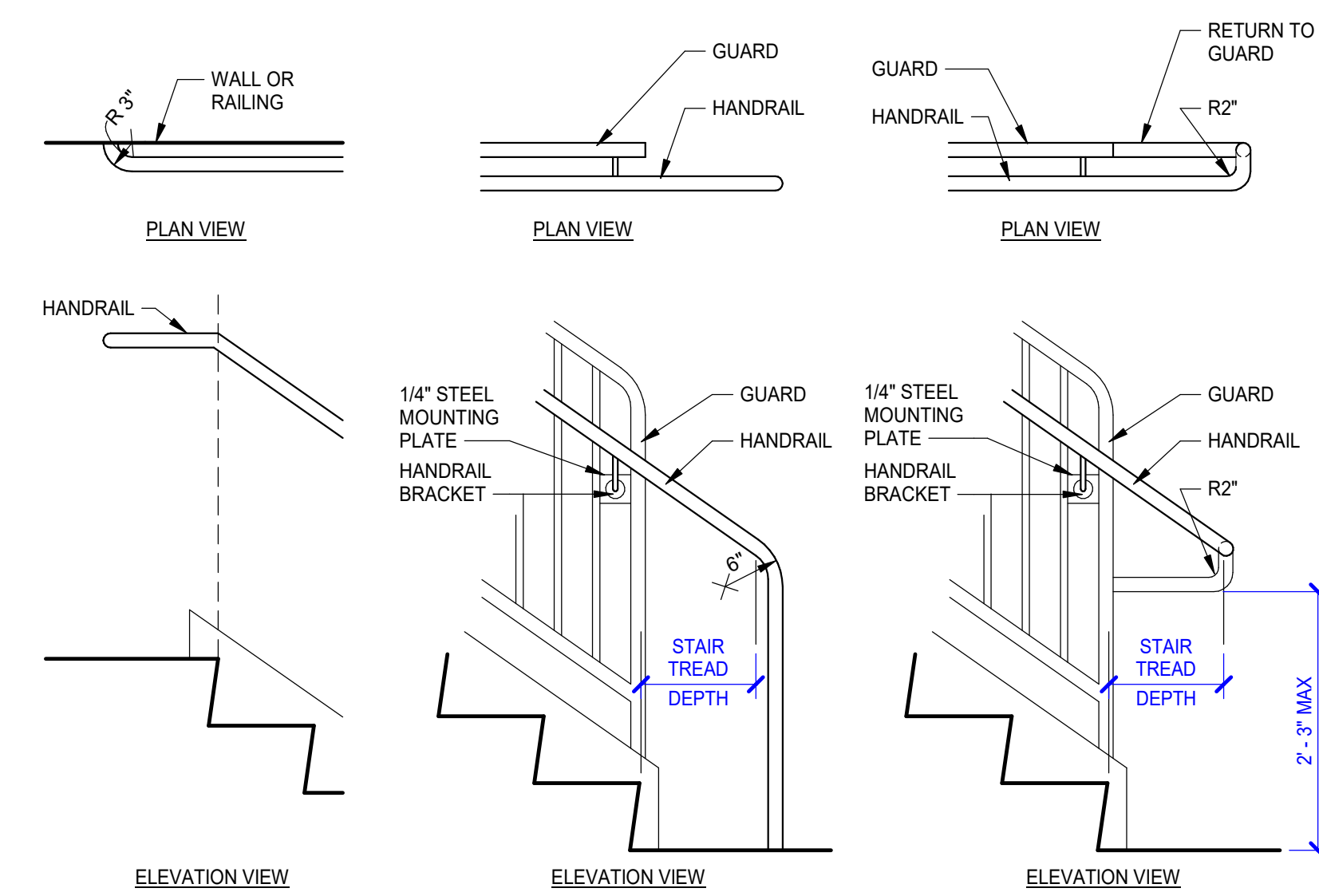


2 ENLARGED PLAN - JUDICIAL STAIR 3 / ELEV 3 - LEVEL 2
A2.2 A6.1 1/4" = 1'-0"

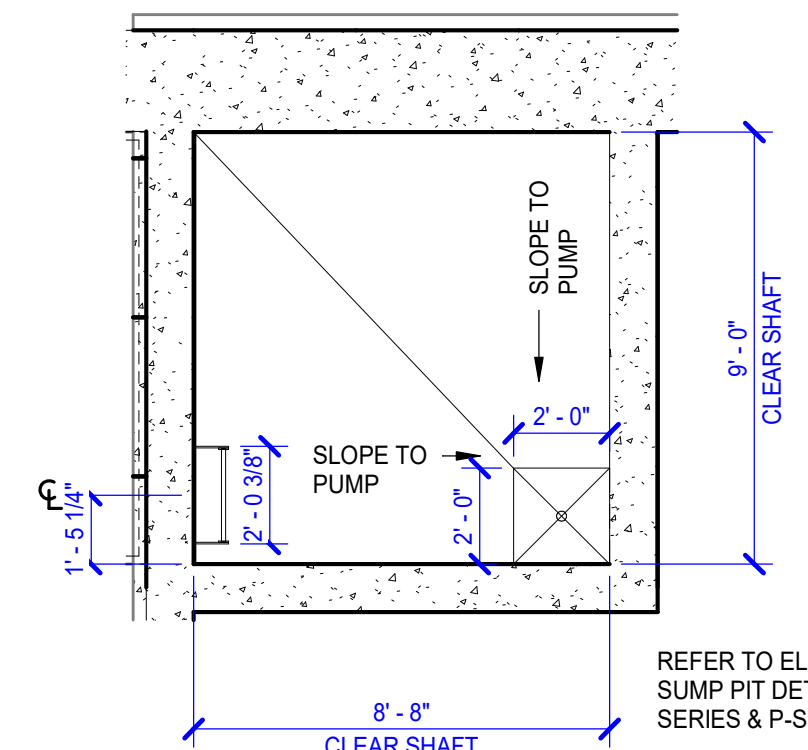


1 ENLARGED PLAN - JUDICIAL STAIR 3 / ELEV 3 - LEVEL 1
A2.1 A6.1 1/4" = 1'-0"

GENERAL NOTES	
A.	ALL RAILING INFILL PANELS: 3/4" X 3/4" STL BARS, UNO
B.	TOP OF HANDRAIL: 3'-0" ABOVE EDGE OF RISERS AND FINISH FLOOR
C.	TOP OF GUARDS: 3'-7" ABOVE EDGE OF RISERS AND FINISH FLOOR
D.	ALL RAILING: 1 1/4" STL PIPE, UNO

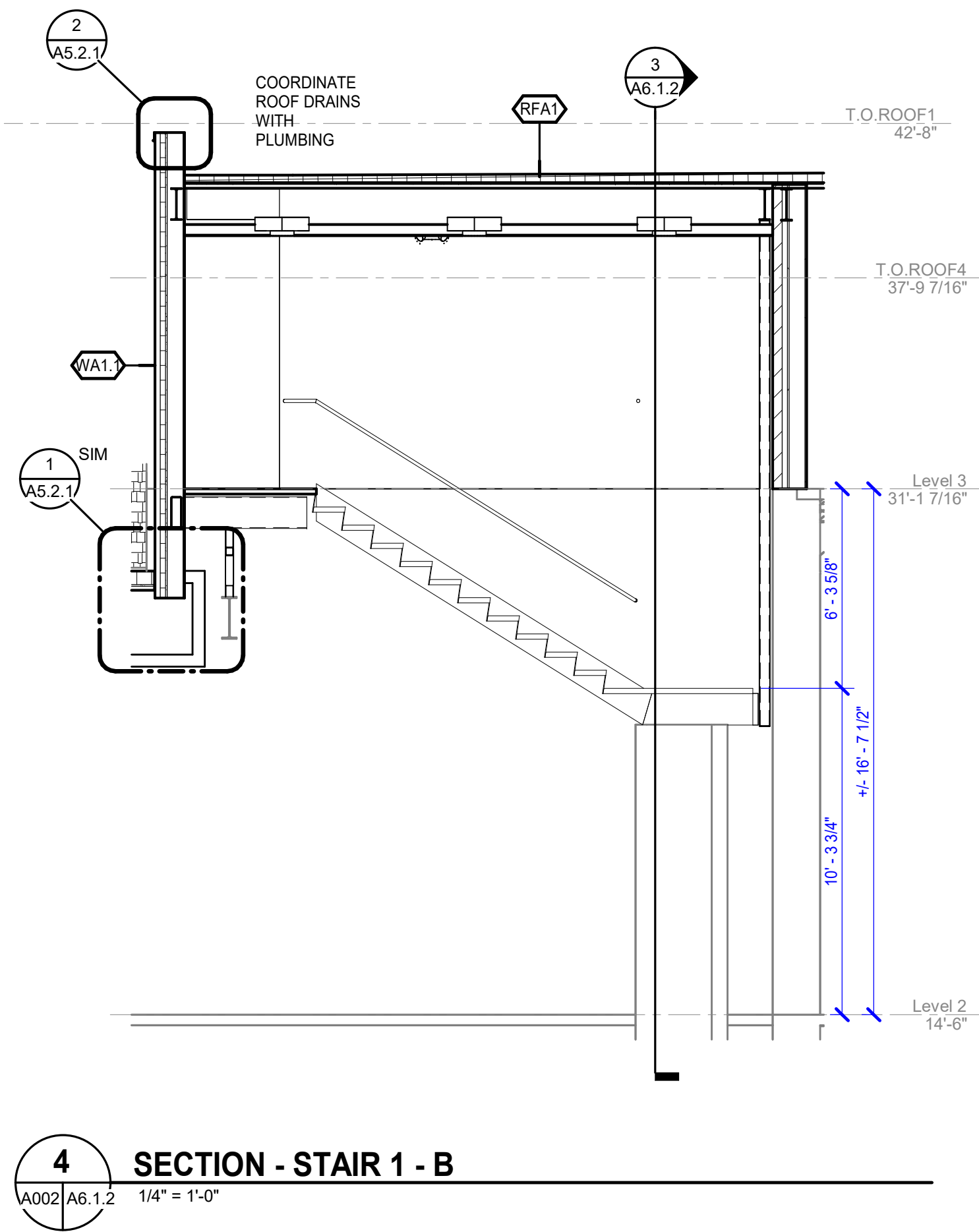


HANDRAIL DETAILS
NO SCALE

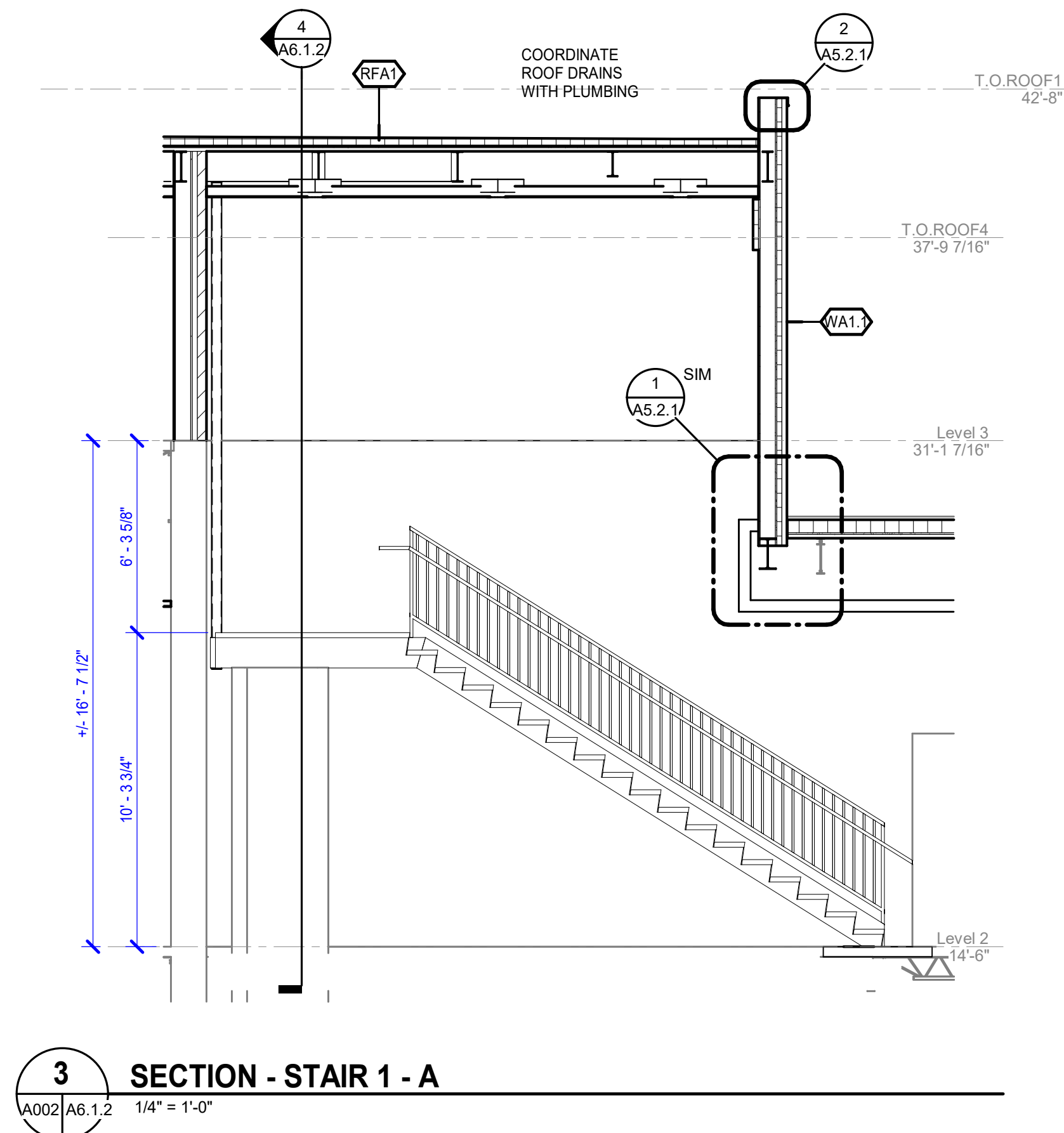


5 ENLARGED PLAN - ELEVATOR PIT
A2.1 A6.1 1/4" = 1'-0"

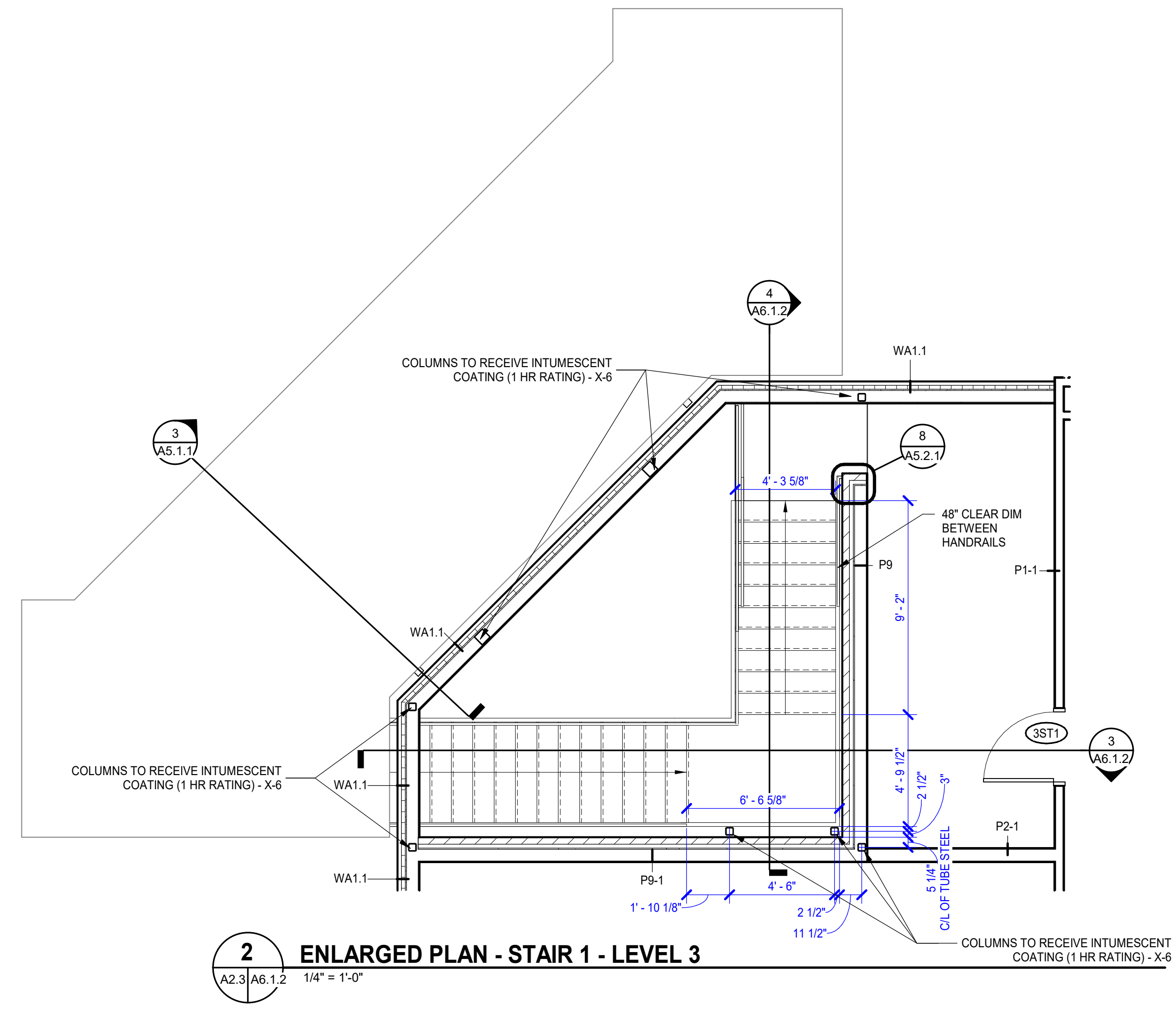
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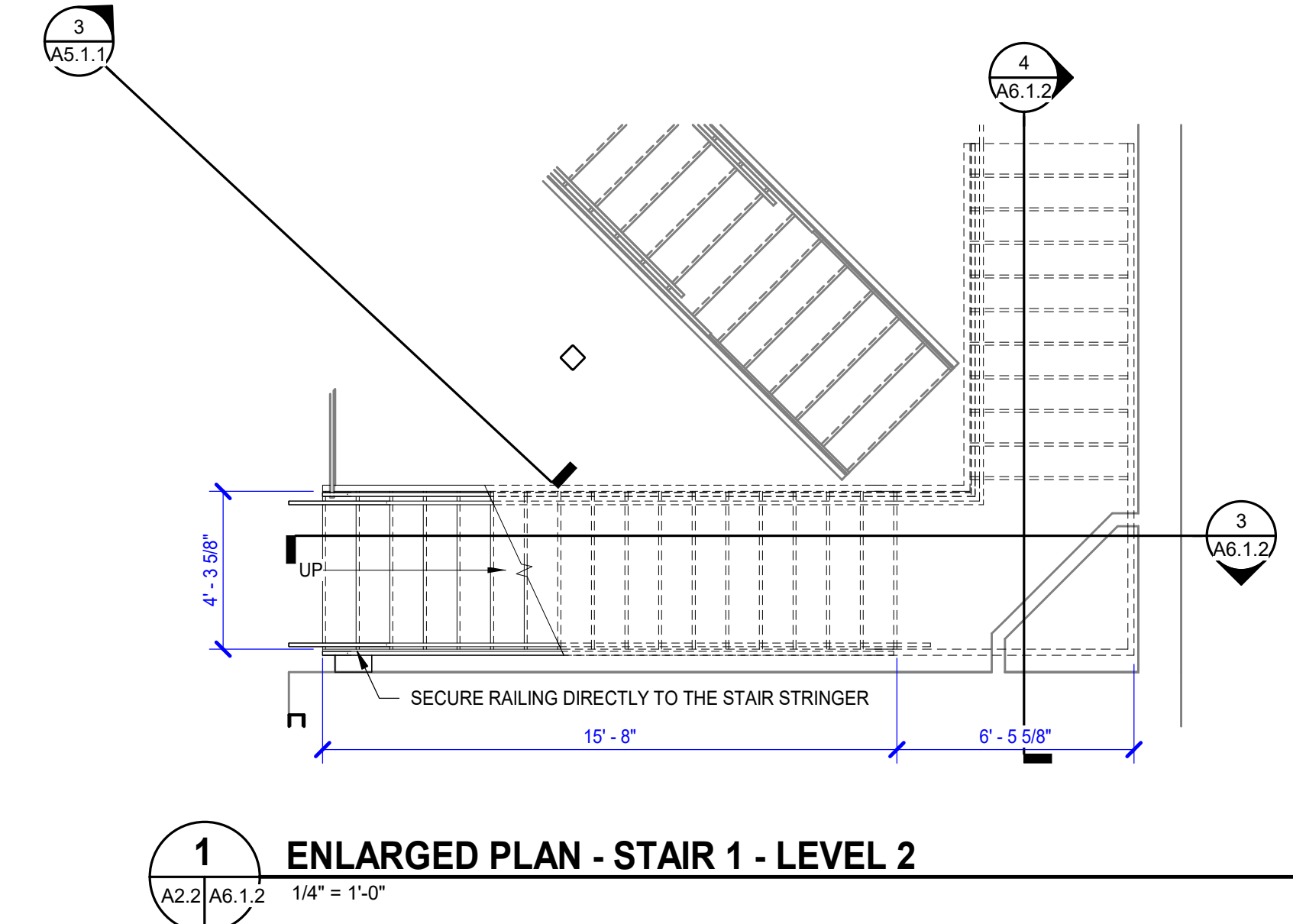
4 SECTION - STAIR 1 - B
A002 A6.1.2 1/4\"/>



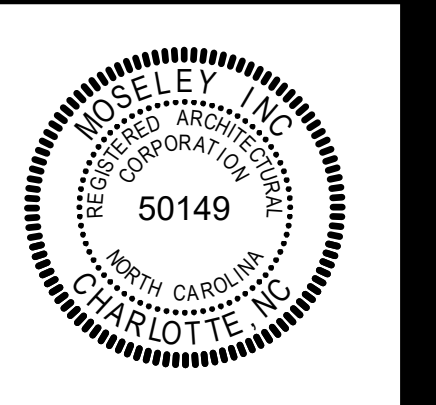
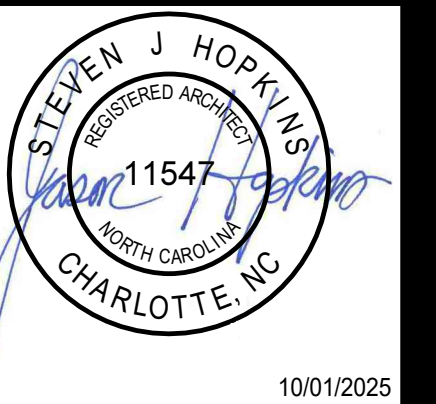
3 SECTION - STAIR 1 - A
A002 A6.1.2 1/4\"/>



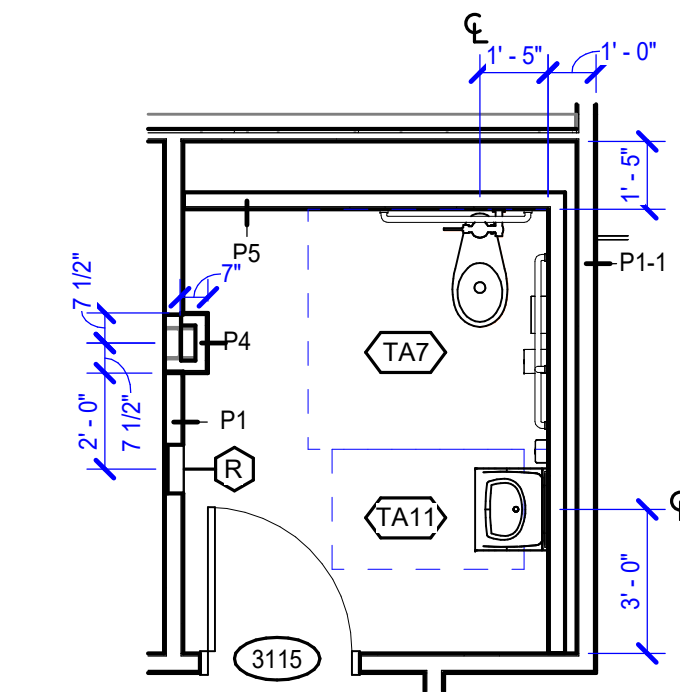
2 ENLARGED PLAN - STAIR 1 - LEVEL 3
A2.3 A6.1.2 1/4\"/>



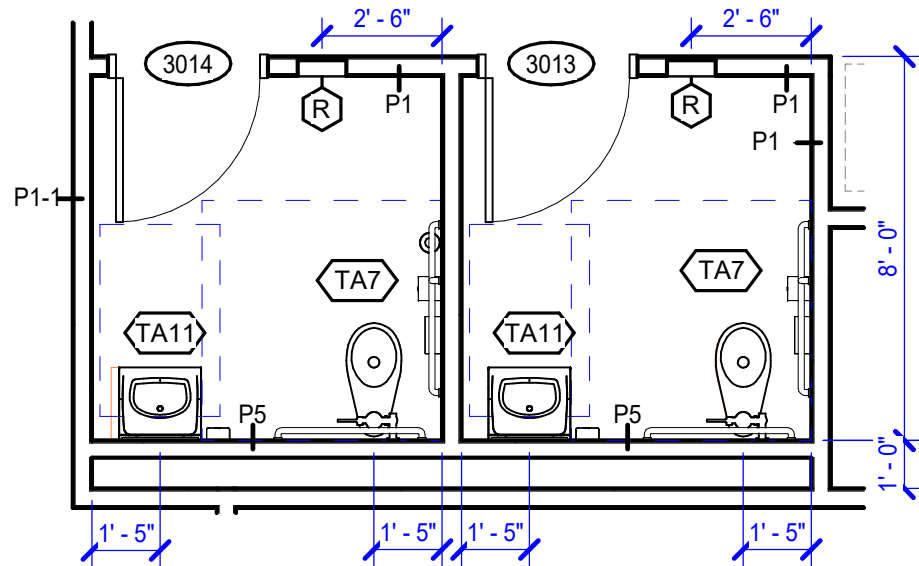
1 ENLARGED PLAN - STAIR 1 - LEVEL 2
A2.2 A6.1.2 1/4\"/>



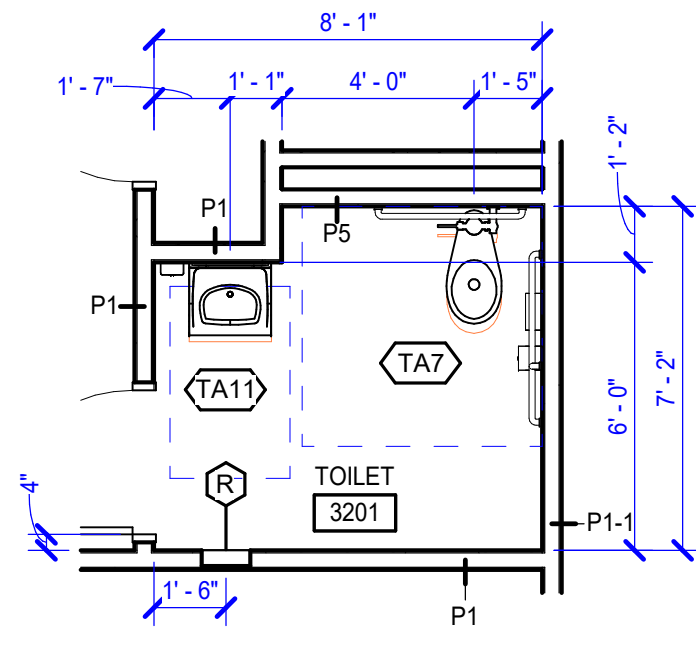
PROJECT NO:	623324
DATE:	10/1/2025
REVISIONS	
DATE	DESCRIPTION



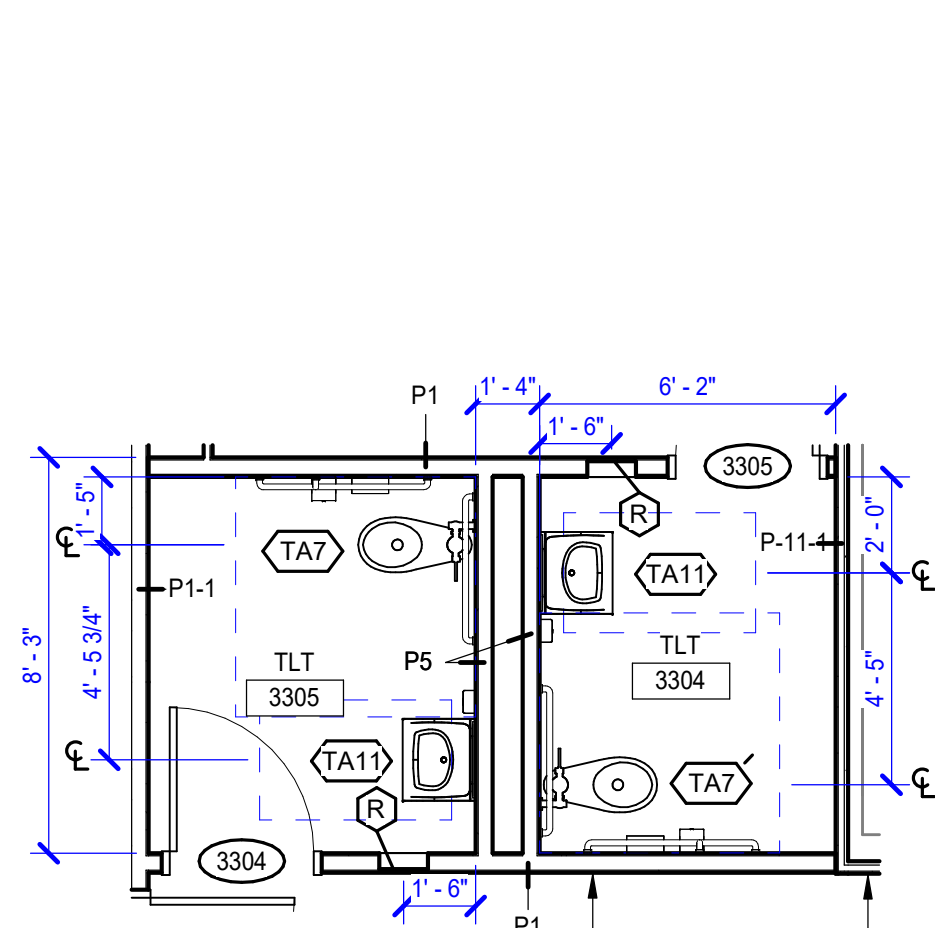
4 ENLARGED TOILET PLAN - 3175
A2.3/A7.1.1 1/4" = 1'-0"



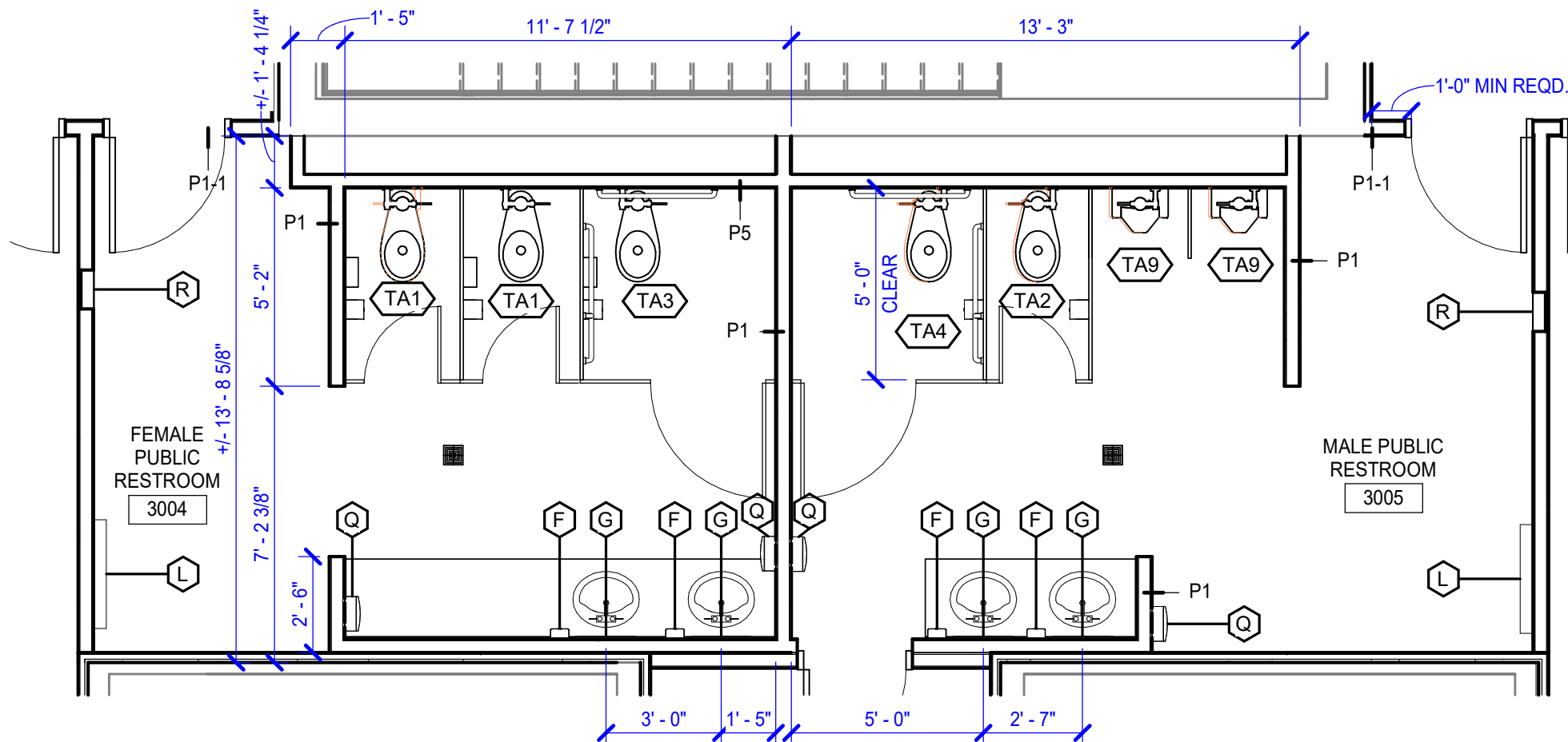
6 ENLARGED TOILET PLAN - 3171 / 1
A2.3/A7.1.1 1/4" = 1'-0"



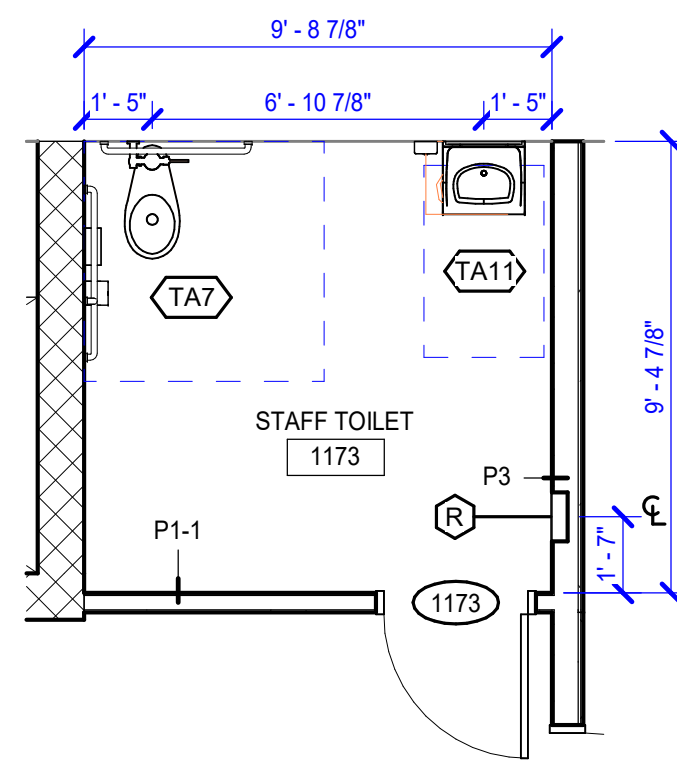
5 ENLARGED TOILET PLAN 3201
A2.3/A7.1.1 1/4" = 1'-0"



3 ENLARGED TOILET PLAN - 3129 / 3133
A2.3/A7.1.1 1/4" = 1'-0"



2 ENLARGED TOILET PLAN - 3105 / 3106
A2.3/A7.1.1 1/4" = 1'-0"



1 ENLARGED TOILET PLAN - 1173
A2.1/A7.1.1 1/4" = 1'-0"

TOILET ASSEMBLIES					
APPLIES TO DRAWINGS A7.1 - A7.nn REPRESENTED BY (TA)					
MARK	REMARKS	PLAN	MARK	REMARKS	PLAN
TA1			TA10		
TA2	OMIT (E)		TA11	CENTER (S) OVER LAVATORY	
TA3			TA12		
TA4	OMIT (E)		TA13	OMIT (C) (H) (J)	
TA5			TA14		
TA6	OMIT (E)		TA15		
TA7			LEGEND NOTES: A. HANDING/ORIENTATION MAY VARY. REFER TO PLANS FOR PROPER ORIENTATION. B. PLUMBING FIXTURE GRAPHICS IN THIS LEGEND ARE REPRESENTATIVE ONLY. ACTUAL PLUMBING FIXTURES MAY VARY. C. COAT/ROBE HOOKS INDICATED ON THE BACK OF TOILET COMPARTMENT DOORS ARE PART OF THE TOILET COMPARTMENT ASSEMBLY AND ARE NOT CONSIDERED A TOILET ACCESSORY.		
TA8	OMIT (E)				
TA9					

TOILET ACCESSORIES SCHEDULE			
MARK	DESCRIPTION	MOUNTING HEIGHT	REMARKS
A	36" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
B	42" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
C	18" VERTICAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
D	TOILET TISSUE DISPENSER	REFER TO WATER CLOSET ELEVATIONS	
E	SANITARY NAPKIN DISPOSAL	REFER TO WATER CLOSET ELEVATIONS	
F	SOAP DISPENSER	3'-4" AFF TO DISPENSING OUTLET	
G	MIRROR (18" x 36"), OVER LAV AND COUNTERTOP	3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE	
L	DIAPER CHANGING STATION		
Q	PAPER TOWEL DISPENSER	3'-8" AFF TO DISPENSING OUTLET	
R	RECESSED SS PAPER TOWEL DISPENSER WITH WASTE RECEPTACLE		

1. ACCESSORY ITEMS ARE IDENTIFIED BY (E) ON PLANS. LETTERS CORRESPOND TO SCHEDULE ABOVE.

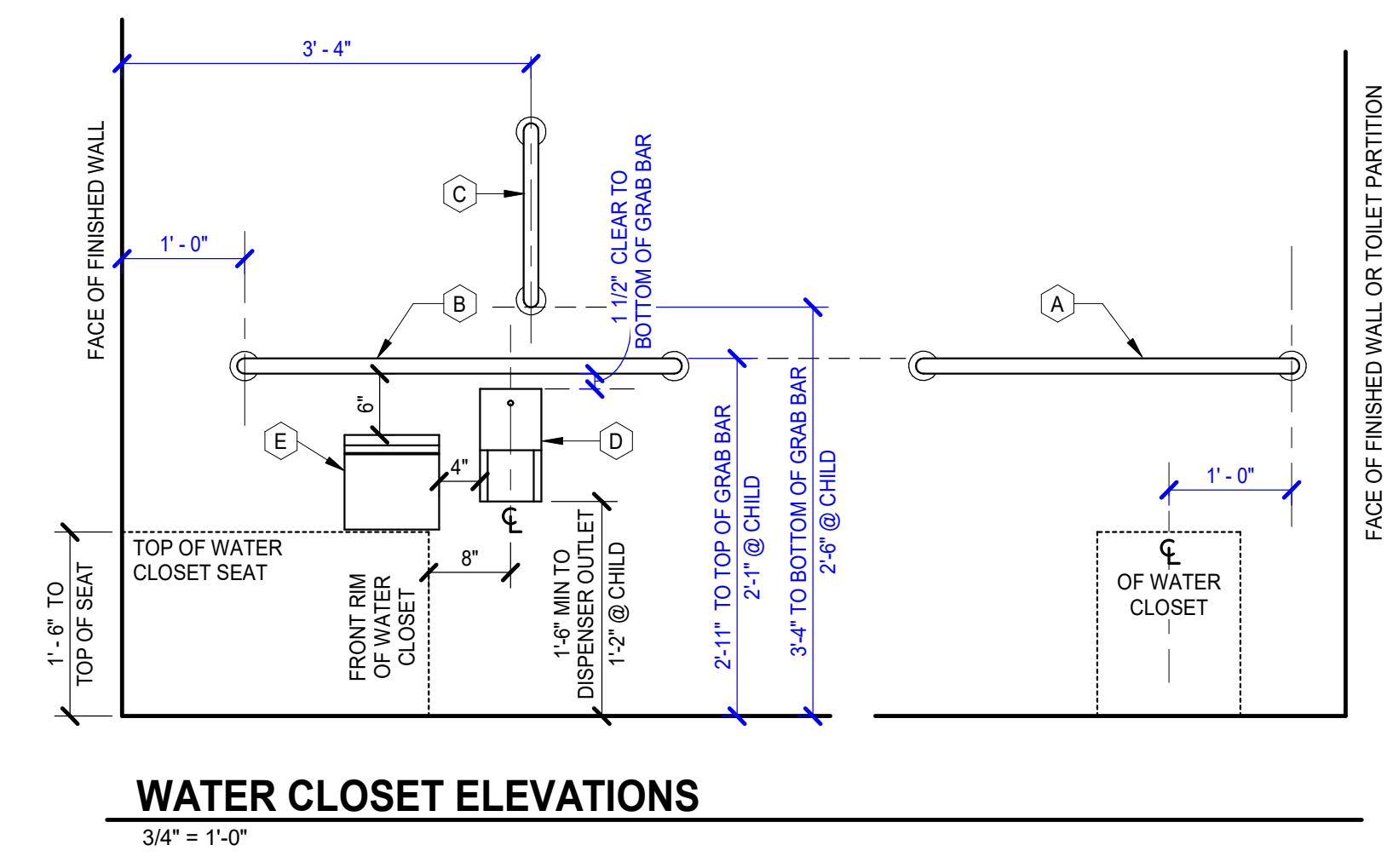
2. ACTUAL DIMENSIONS OF ACCESSORIES MAY VARY. COORDINATE DIFFERENCES, IF ANY.

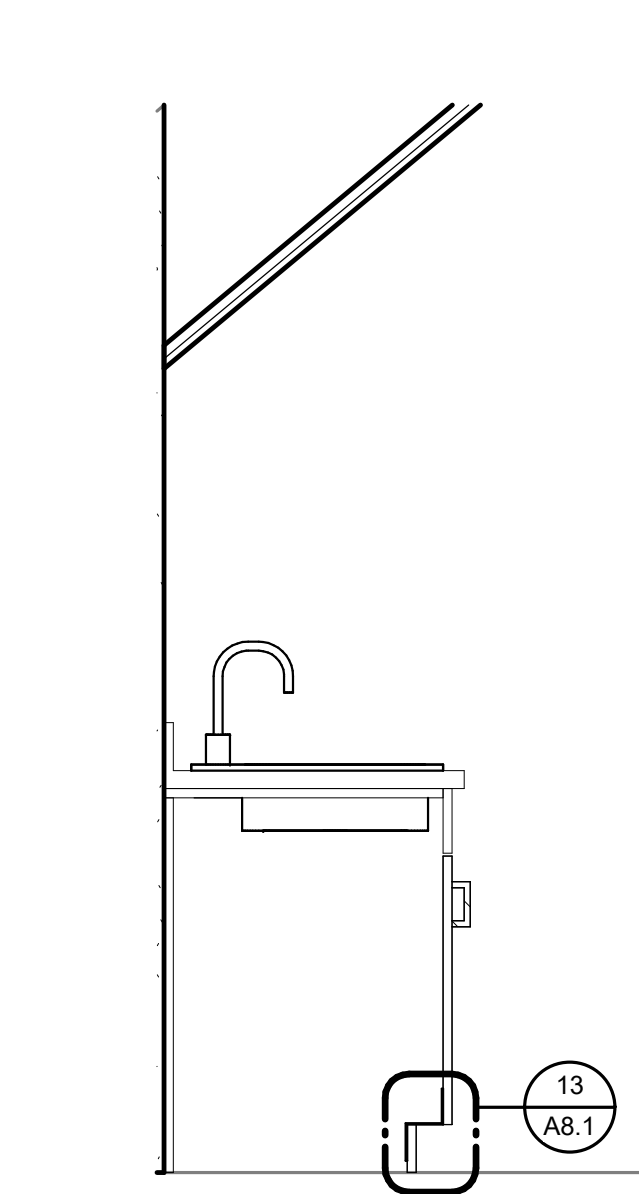
3. REFER TO ALL CASEWORK ELEVATIONS FOR ADDITIONAL TOILET ACCESSORY LOCATIONS.

4. PROVIDE MOP AND BROOM HOLDER W/ SHELF AT ALL CUSTODIAL/ANTIORIAL SINKS. MOUNT AT 5'-0" AFF TO CENTERLINE AND LOCATE ON SIDE WALL OF SINK (NOT ON WALL ABOVE FAUCET).

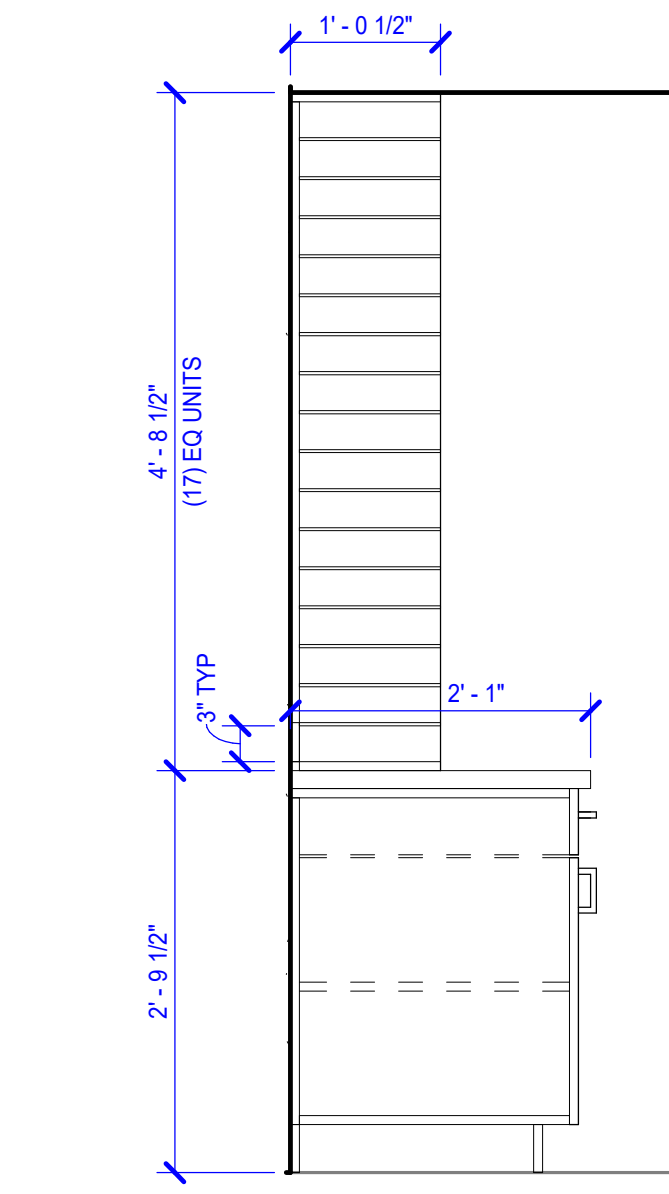
5. PROVIDE ROBE HOOK ON INTERIOR FACE OF ALL TOILET ROOM DOORS WHEREIN ONLY ONE WATER CLOSET IS PROVIDED. MOUNT AT 3'-11" AFF TO TOP.

TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLAN GENERAL NOTES	
A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR SUCH AS CERAMIC TILE, DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.	
B. CLEAR DIMENSIONS ARE TO FACE OF APPLIED WALL AND PARTITION FINISHES.	
C. PIPES UNDER BATHROOM SINKS TO BE INSULATED.	

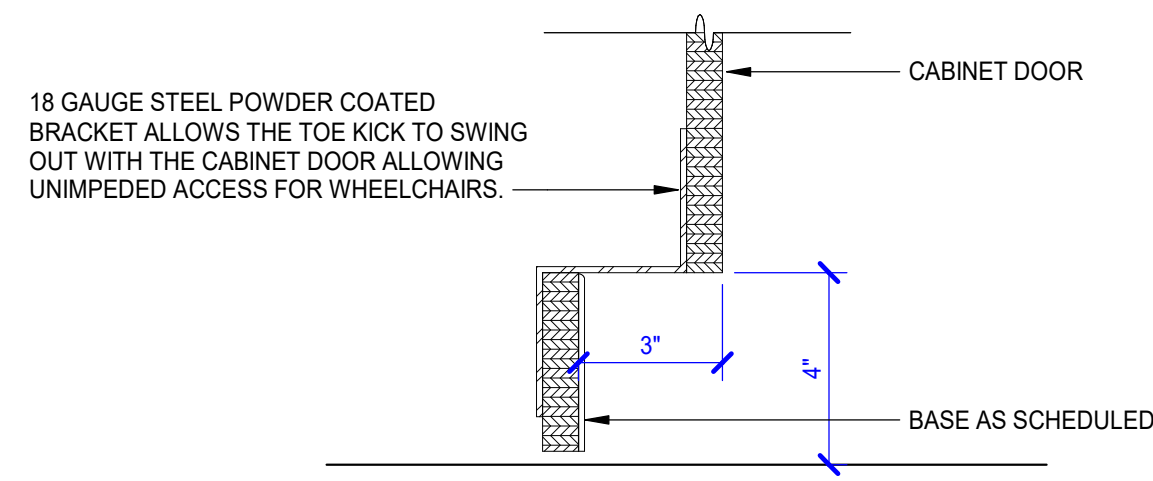




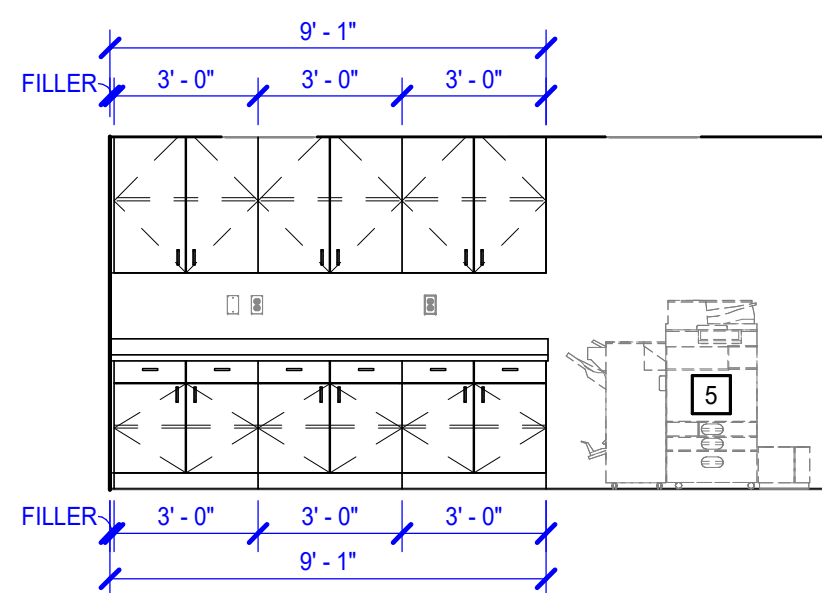
12 SECTION - SHARED BREAKROOM
3/4" = 1'-0"



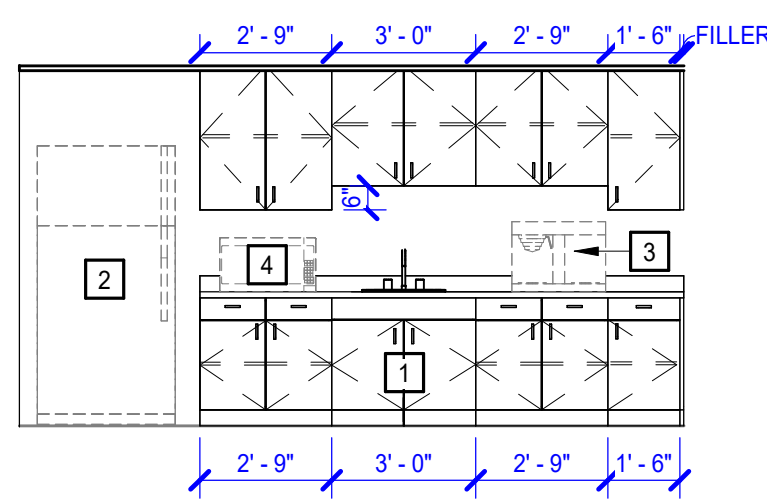
11 SECTION - MAIL SLOTS
3/4" = 1'-0"



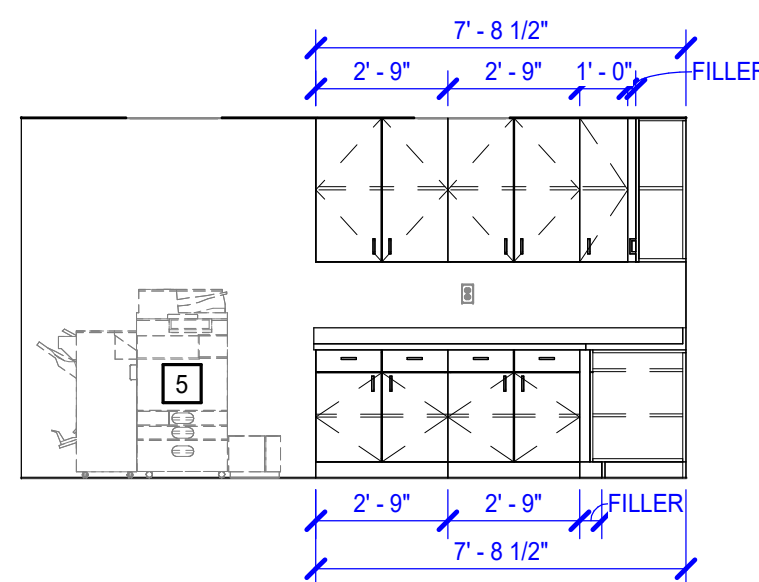
13 DETAIL - ACCESSIBLE INTEGRAL TOEKICK
3" = 1'-0"



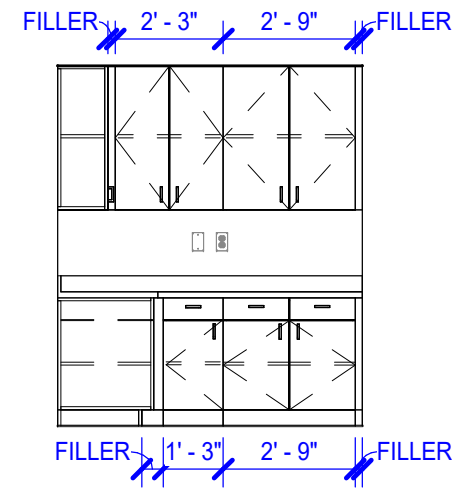
10 3114 - COPY/WORK ROOM - N
1/4" = 1'-0"



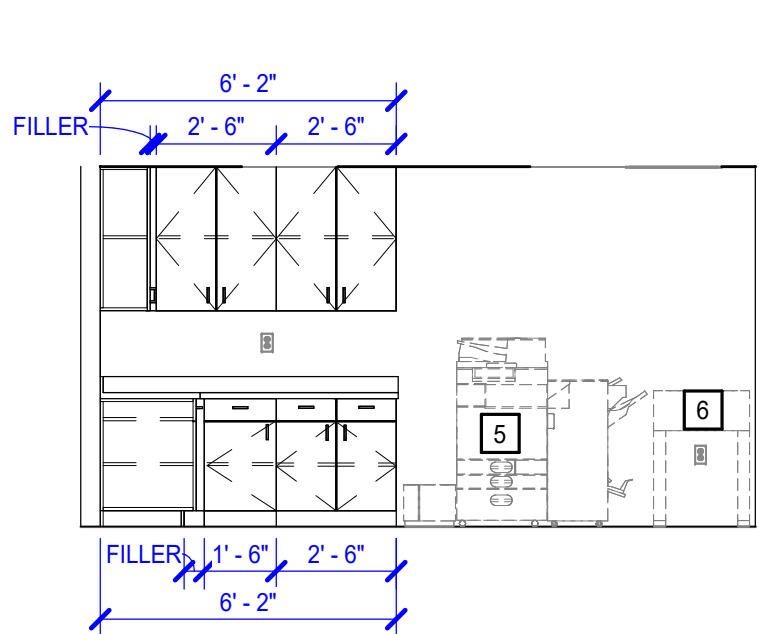
9 3315 BREAK ROOM
1/4" = 1'-0"



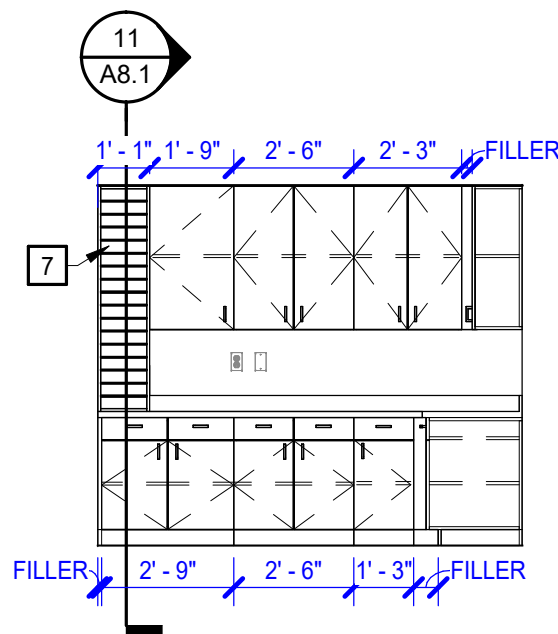
8 3311 - COPY/WORK ROOM - S
1/4" = 1'-0"



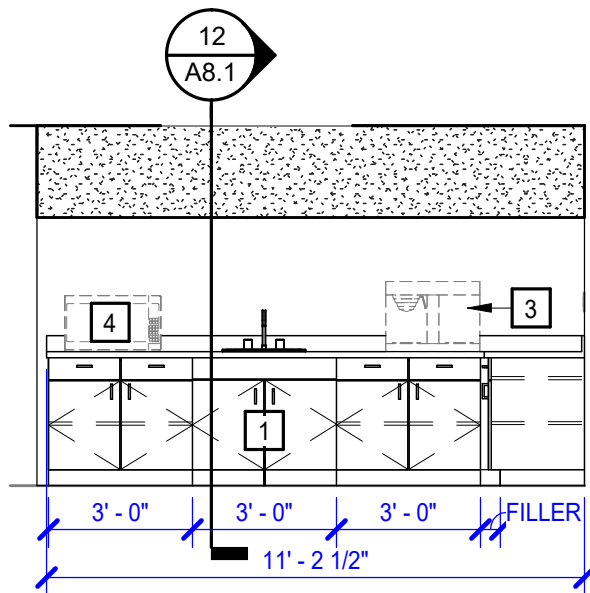
7 3311 - COPY/WORK ROOM - W
1/4" = 1'-0"



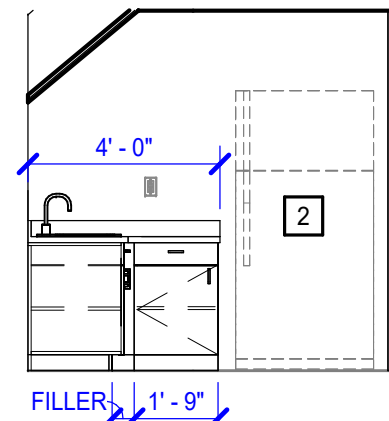
6 3207 - COPY/WORK ROOM - E
1/4" = 1'-0"



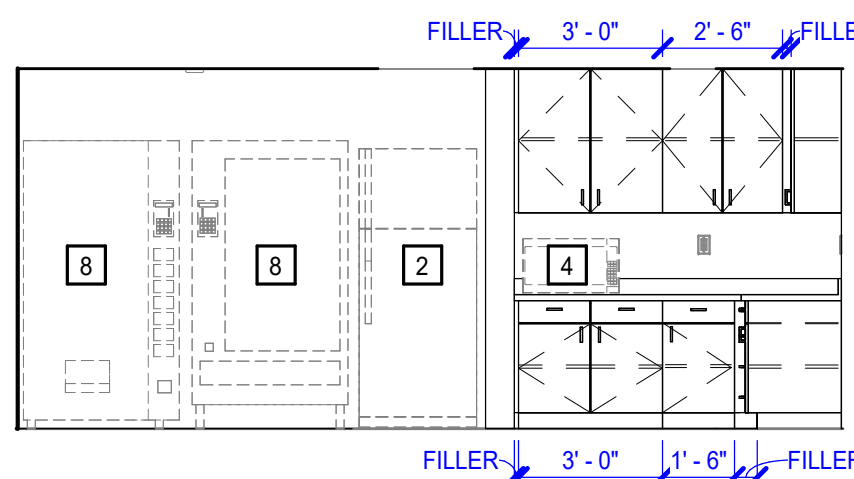
5 3207 - COPY/WORK ROOM - N
1/4" = 1'-0"



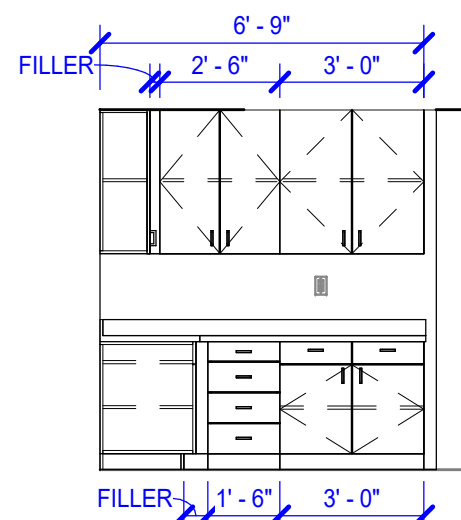
4 3011 SHARED BREAKROOM NE
1/4" = 1'-0"



3 3011 SHARED BREAKROOM - E
1/4" = 1'-0"



2 3011 SHARED BREAKROOM - W
1/4" = 1'-0"




1 3011 SHARED BREAKROOM - NW
1/4" = 1'-0"

CASEWORK GENERAL NOTES

- A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S):
- 2'-9.5" AFF MAX OR 2'-9.5" MAX TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
 - 2'-1" DEEP
 - SOLID SURFACE
 - BACKSPASHES: 4" HIGH AT ALL SIDES AND BACK
 - EXTEND COUNTERTOP 1/2" PAST BASE CABINET AT ALL EXPOSED CASEWORK ENDS
 - VERIFY SLAB LEVELNESS AT CASEWORK PRIOR TO INSTALL. CONSTRUCTION TOLERANCES DO NOT APPLY TO ACCESSIBILITY DIMENSIONS; MAX DIMENSIONS SHALL BE MAINTAINED.
- B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):
- 2'-0" DEEP NOMINAL
 - TOE KICKS: 4" NOMINAL HIGH (REDUCE AS NEEDED FOR TOLERANCES) AND 3" DEEP
 - SINK LOCATIONS: BASE CABINET WITH ATTACHED TOE KICK FOR BARRIER FREE ACCESS. WIDTH AS INDICATED ON DRAWING.
- C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):
- 1'-0 1/2" DEEP NOMINAL
 - 3'-0" HIGH
 - TOP AT 7'-0" AFF. COORDINATE HEIGHT TO ALIGN WITH CEILING.
 - MINIMUM 11" CLEAR INTERIOR DEPTH
- D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.
- E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.
- F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.
- G. ALL APPLIANCES ARE NIC.

CASEWORK KEYNOTES

REPRESENTED BY 
APPLIES TO DRAWINGS A8.1

- | | |
|---|---|
| 1 | BARRIER-FREE SINK CABINET WITH INTEGRAL TOEKICK |
| 2 | REFRIGERATOR (NIC) |
| 3 | COFFEE MAKER (NIC) |
| 4 | MICROWAVE (NIC) |
| 5 | COPIER (NIC) |
| 6 | SHREDDER (NIC) |
| 7 | MAIL SLOTS WITH NAME PLATE AT EACH SLOT |
| 8 | VENDING MACHINE (NIC) |

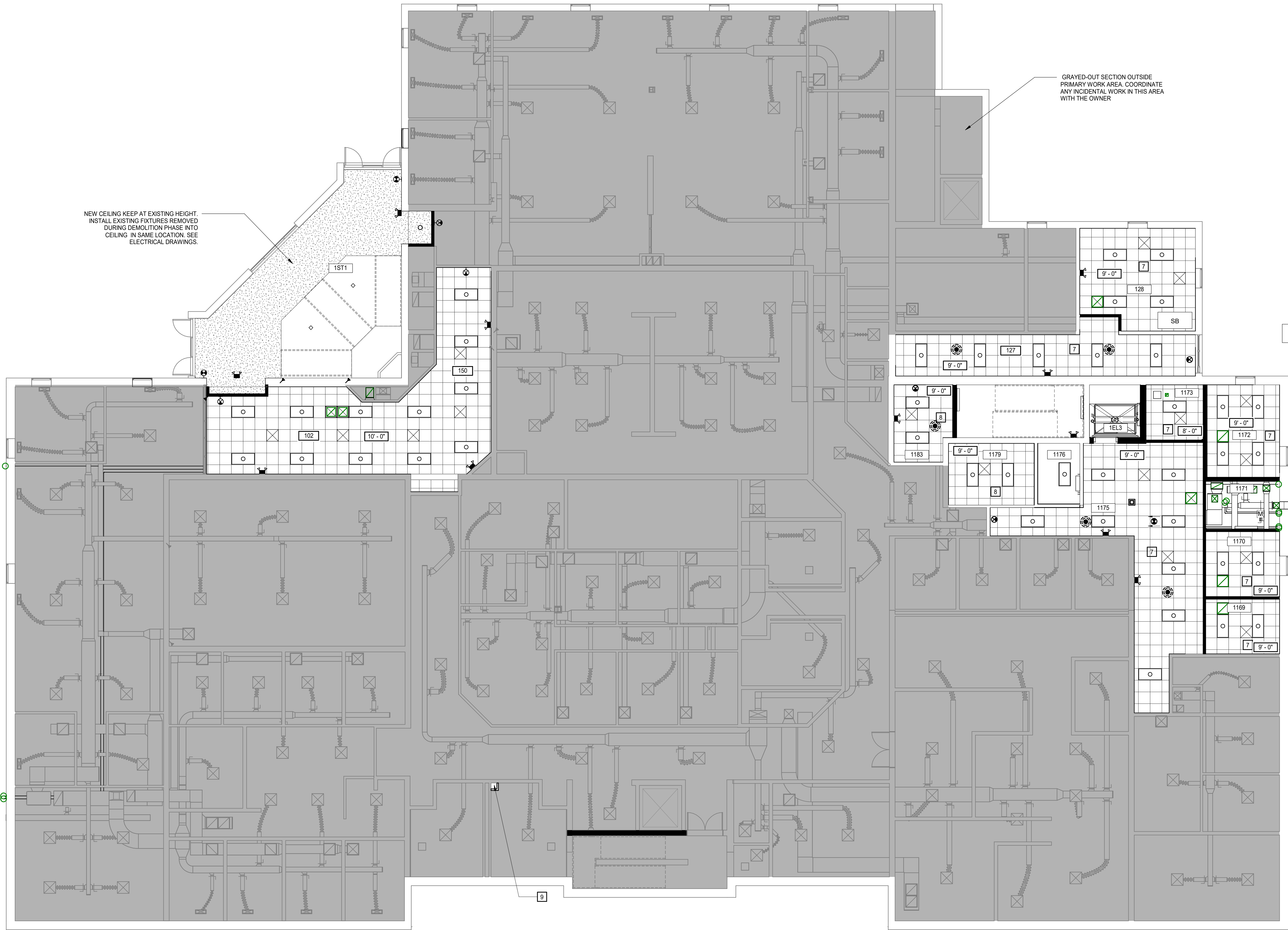
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1
A4.1 A9.1.1

REFLECTED CEILING PLAN - LEVEL 1

1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.1 - A9.1.10

REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

	SPACE NUMBER
	CEILING HEIGHT, AFF UNO
	INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
	EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
	2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
	ACCESS PANEL
	EXTERIOR WALL
	INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
	INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
	INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
	INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
	EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

- ALL CEILING HEIGHTS ON LEVEL 03 SHALL BE 7'-6" AFF UNLESS INDICATED OTHERWISE.
- DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.
- CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

REFLECTED CEILING PLAN KEYNOTES

REPRESENTED BY [n]

APPLIES TO DRAWINGS A9.1.1 - A9.1.3

- CFSF-S
- 5/8" GYP BD, TERMINATE 4" ABV FIN CLG
- FIN CLG: FINISH AND/OR HEIGHT AFF VARIES
- GYP BD: EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
- EXISTING CEILING SYTEM, ELEC/ MECH TO REMAIN.
- PROVIDE NEW CEILING SYSTEM AND ELEC/ MECH.
- PROVIDE NEW CEILING SYSTEM AND ELEC. EXISTING MECH TO BE RELOCATED IN NEW CEILING.
- NEW PLUMBING CHASE
- APPLY FIRE RETARDANT TREATMENT TO ALL THE WOOD STUDS. REFER TO SPECIFICATION SECTION 081000 FOR ADDITIONAL REQUIREMENTS. ADD CLOSED CELL 2" SPRAY FOAM INSULATION TO THE UNDERSIDE OF THE DORMERS ONLY WHERE NO EXISTING INSULATION EQUAL TO 5" (R=30 OR MORE) IS PRESENT. INSTALL ARCHED GYPSUM CEILING FINISH ON THE INTERIOR FACE OF THE EXISTING DORMER ROOF STRUCTURE.
- PROVIDE BATT INSULATION WITHIN ROOF STRUCTURE
- GYP SOFFIT, REFER TO BULKHEAD DETAILS ON A9.1.3
- SLOPED GYP. CEILING. VERIFY IN FIELD EXISTING STRUCTURE LOCATION.
- NO CEILING

MOSELEYARCHITECTS



10/01/2025



HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO:	623324
DATE:	10/1/2025
REVISIONS	
DATE	DESCRIPTION

REFLECTED CEILING
PLAN - LEVEL 1

A9.1.1

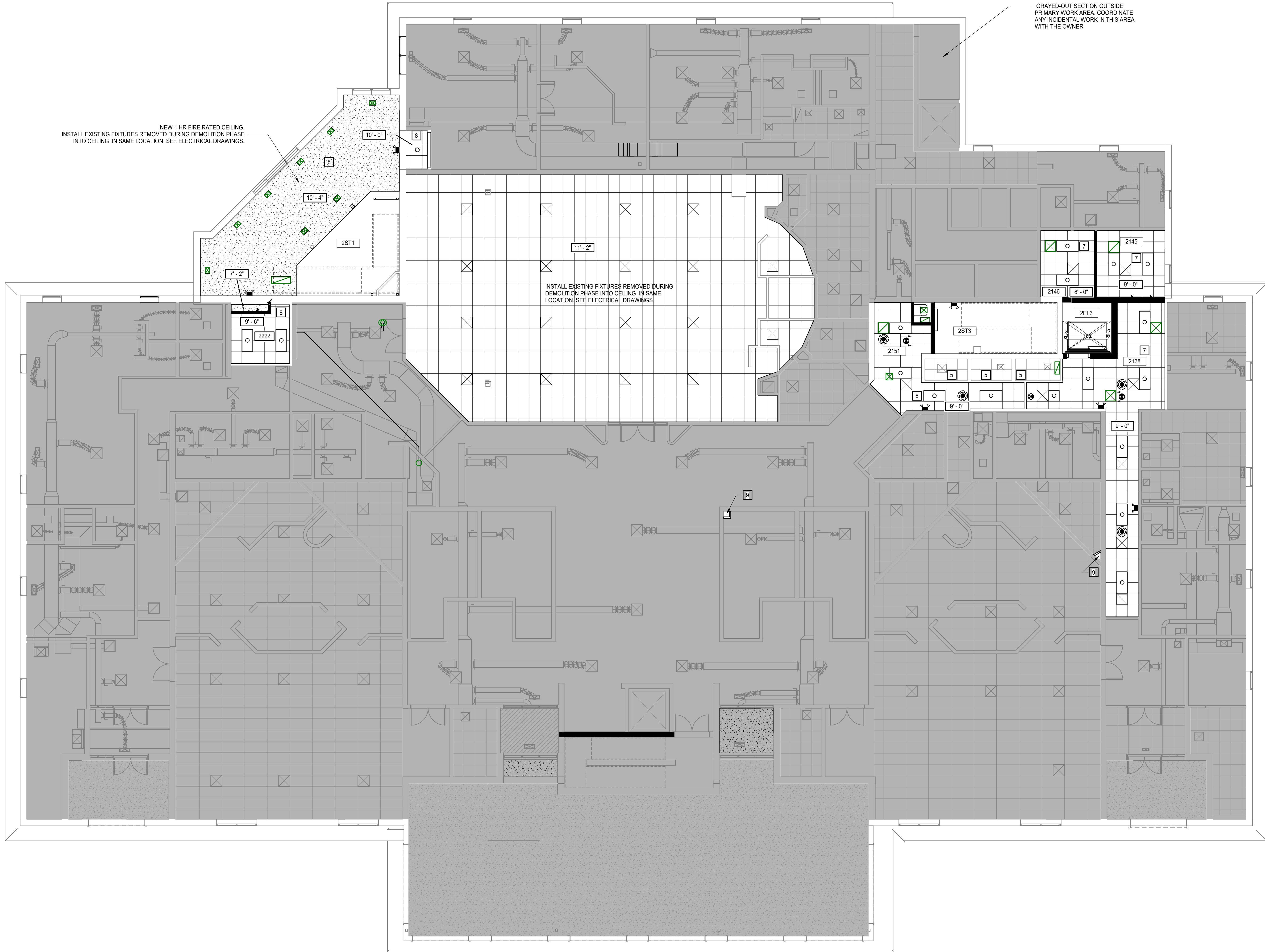
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1
A4.1 A9.1.2

REFLECTED CEILING PLAN - LEVEL 2

1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"



REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.1 - A9.1.3

REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

	SPACE NUMBER
	CEILING HEIGHT, AFF UNO
	INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
	EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
	2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
	ACCESS PANEL
	EXTERIOR WALL
	INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
	INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
	INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
	INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
	EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

- ALL CEILING HEIGHTS ON LEVEL 03 SHALL BE 7'-6" AFF UNLESS INDICATED OTHERWISE.
- DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.
- CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

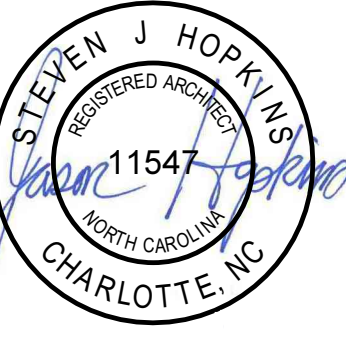
REFLECTED CEILING PLAN KEYNOTES

REPRESENTED BY [n]

APPLIES TO DRAWINGS A9.1.1 - A9.1.3

- CFSF-S
- 5/8" GYP BD, TERMINATE 4" ABV FIN CLG
- FIN CLG: FINISH AND/OR HEIGHT AFF VARIES
- GYP BD: EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
- EXISTING CEILING SYTEM, ELEC/ MECH TO REMAIN.
- PROVIDE NEW CEILING SYSTEM AND ELEC/ MECH.
- PROVIDE NEW CEILING SYSTEM AND ELEC. EXISTING MECH TO BE RELOCATED IN NEW CEILING.
- NEW PLUMBING CHASE
- APPLY FIRE RETARDANT TREATMENT TO ALL THE WOOD STUDS. REFER TO SPECIFICATION SECTION 081000 FOR ADDITIONAL REQUIREMENTS. ADD CLOSED CELL 2" SPRAY FOAM INSULATION TO THE UNDERSIDE OF THE DORMERS ONLY WHERE NO EXISTING INSULATION EQUAL TO 5" (R=30 OR MORE) IS PRESENT. INSTALL ARCHED GYPSUM CEILING FINISH ON THE INTERIOR FACE OF THE EXISTING DORMER ROOF STRUCTURE.
- PROVIDE BATT INSULATION WITHIN ROOF STRUCTURE
- GYP SOFFIT, REFER TO BULKHEAD DETAILS ON A9.1.3
- SLOPED GYP. CEILING. VERIFY IN FIELD EXISTING STRUCTURE LOCATION.
- NO CEILING

MOSELEYARCHITECTS



10/01/2025



HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

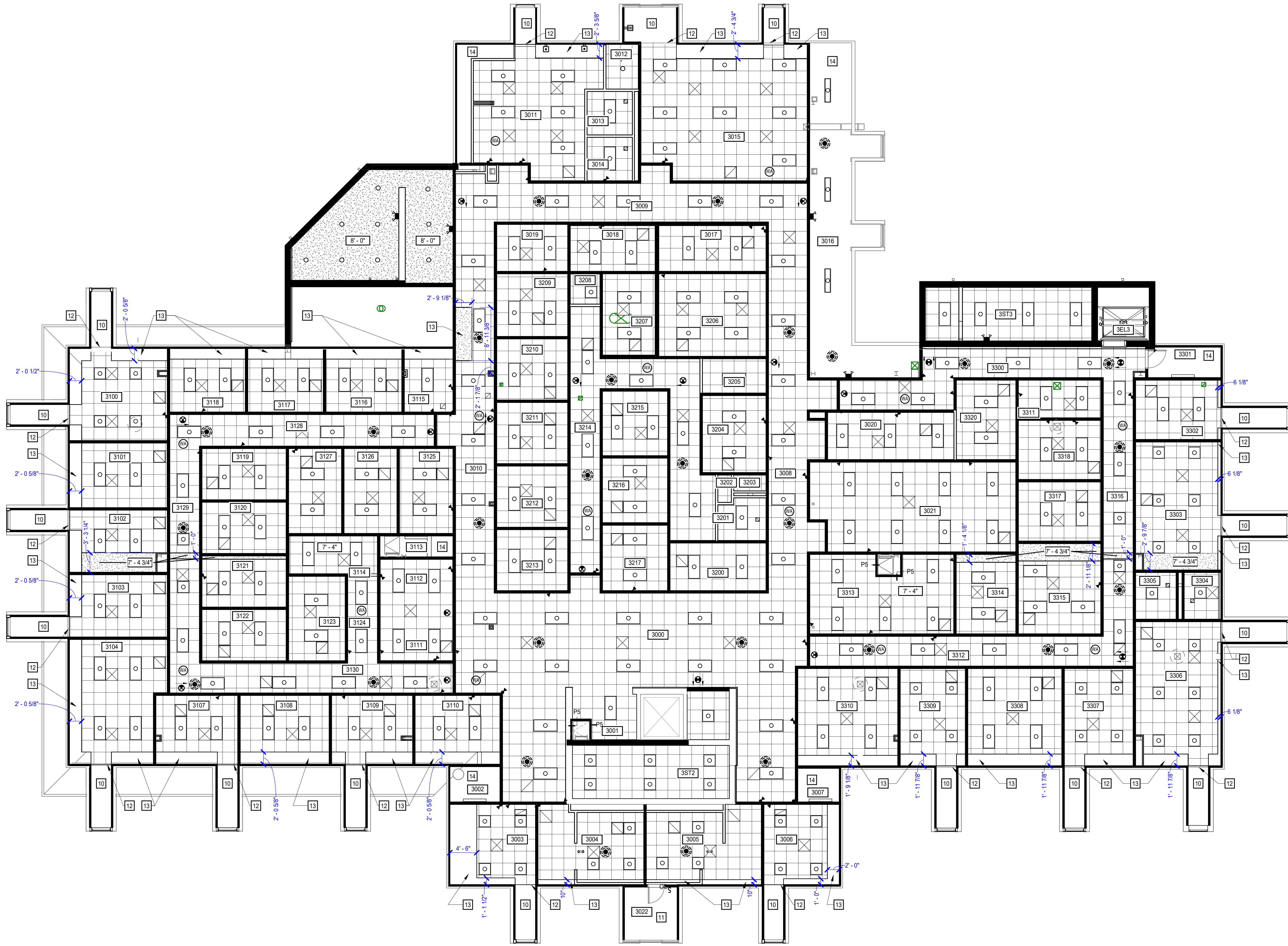
PROJECT NO: 623324
DATE: 10/1/2025

REVISIONS

DATE DESCRIPTION

REFLECTED CEILING
PLAN - LEVEL 2

A9.1.2



REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.n - A9.1.n

REFER TO M. & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

	SPACE NUMBER
	CEILING HEIGHT, AFF UNO
	INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
	EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
	2'-0\"/>
	ACCESS PANEL
	EXTERIOR WALL
	INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
	INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
	INTERIOR WALL/PARTITION 4\"/>
	INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
	EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

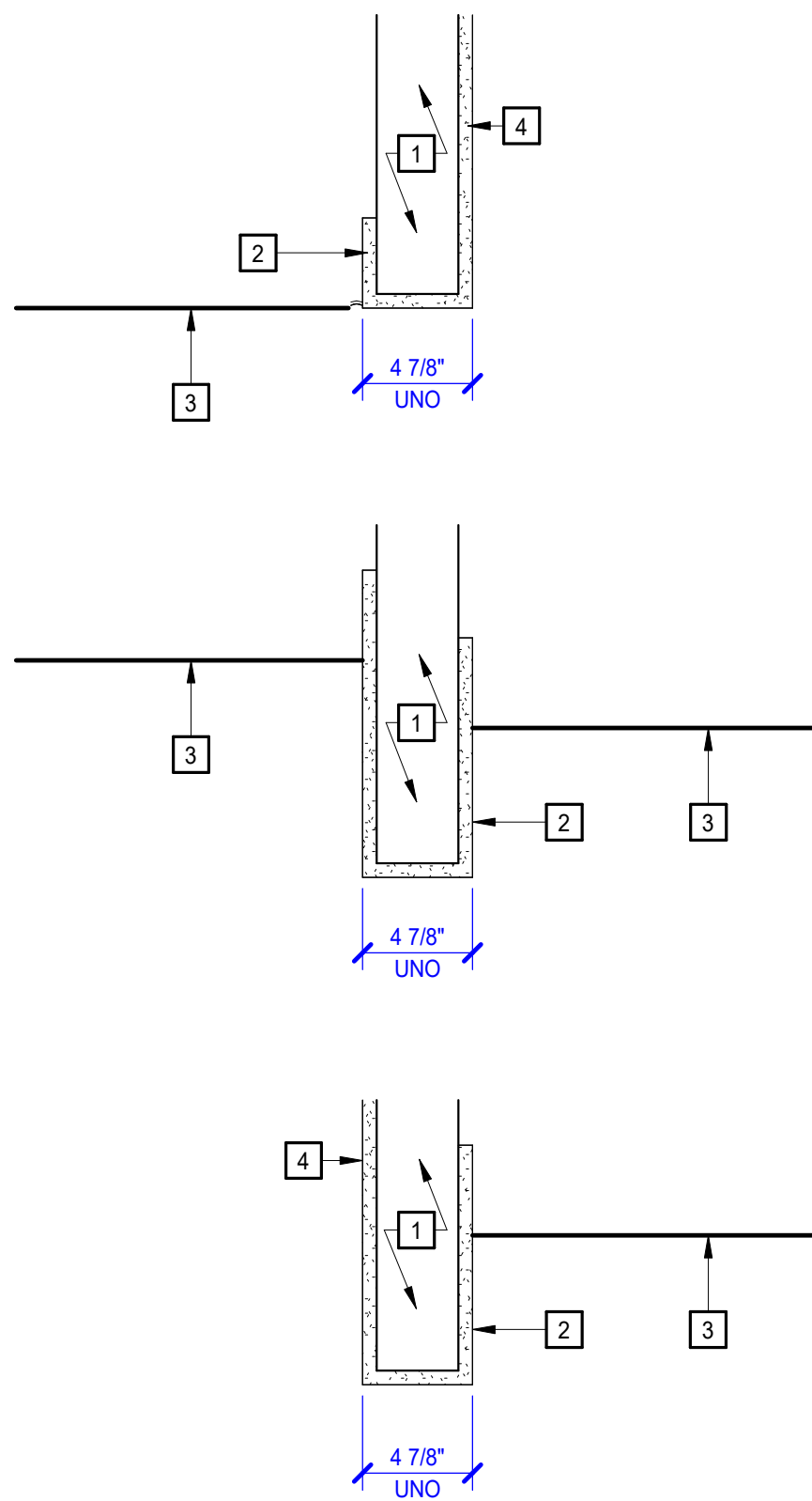
- ALL CEILING HEIGHTS ON LEVEL 03 SHALL BE 7'-6\"/>
- DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.
- CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

REFLECTED CEILING PLAN KEYNOTES

REPRESENTED BY [n]

APPLIES TO DRAWINGS A9.1.1 - A9.1.3

- CFS-S
- 5/8\"/>
- FIN CLG: FINISH AND/OR HEIGHT AFF VARIES
- GYP BD: EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
- EXISTING CEILING SYTEM, ELEC/ MECH TO REMAIN.
- PROVIDE NEW CEILING SYSTEM AND ELEC/ MECH.
- PROVIDE NEW CEILING SYSTEM AND ELEC. EXISTING MECH TO BE RELOCATED IN NEW CEILING.
- NEW PLUMBING CHASE
- APPLY FIRE RETARDANT TREATMENT TO ALL THE WOOD STUDS. REFER TO SPECIFICATION SECTION 081000 FOR ADDITIONAL REQUIREMENTS. ADD CLOSED CELL 2\"/>
- PROVIDE BATT INSULATION WITHIN ROOF STRUCTURE
- GYP SOFFIT, REFER TO BULKHEAD DETAILS ON A9.1.3
- SLOPED GYP. CEILING. VERIFY IN FIELD EXISTING STRUCTURE LOCATION.
- NO CEILING



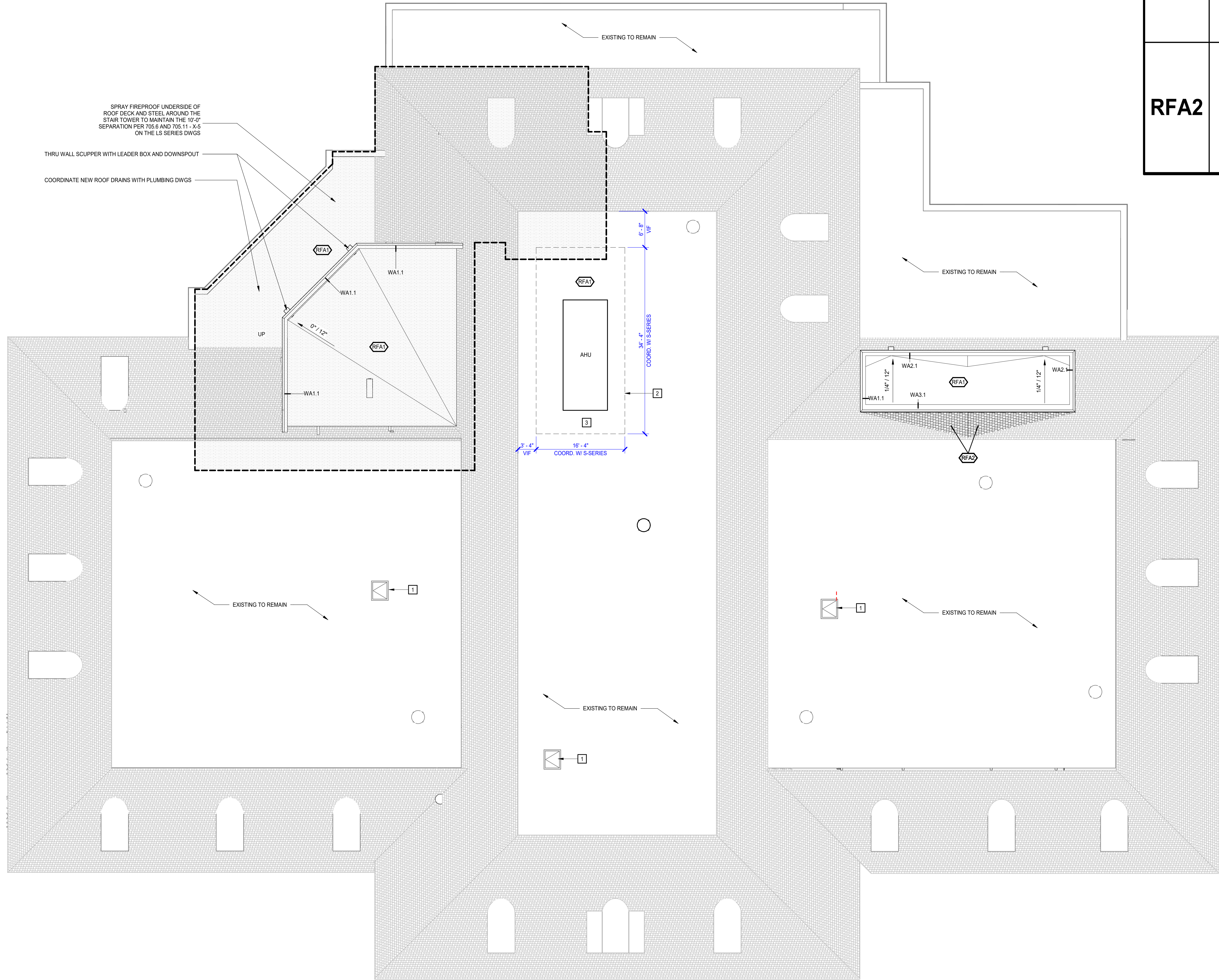
BULKHEAD DETAILS

NO SCALE

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1 ROOF PLAN
A10.1 1/8" = 1'-0"

0' 2' 4' 6' 8' 16'
1/8" = 1'-0"

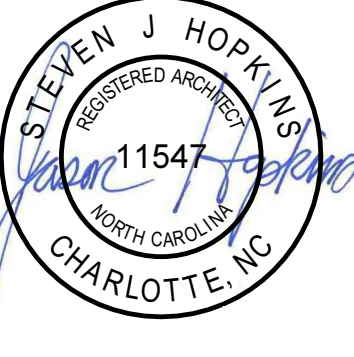


ROOF ASSEMBLIES			
APPLIES TO A10.1.n AND A10.2.n SERIES OF DRAWINGS REPRESENTED BY □ n			
MARK	FIRE RATED ASSEMBLY (REFER TO LS-1.1 FOR LEGEND)	REMARKS	INFORMATION
RFA1	1		ROOF MEMBRANE COVER BOARD TAPERED ROOF INSULATION LIQUID APPLIED AIR BARRIER 5/8" EXTERIOR SHEATHING DECK SURFACE
RFA2	1		ASPHALT SHINGLE LIQUID APPLIED AIR BARRIER PLYWOOD SHEATHING 9" CLOSED CELL SPRAY FOAM INSULATION (R=30) FURRING ATTACHED TO STRUCTURE 5/8" GYPSUM BOARD (INSTALLED TO SEPARATE THE SPRAY FROM THE INTERIOR OF THE BUILDING)

ROOF PLAN LEGEND	
APPLIES TO DRAWINGS A10.1.1 - A10.1.n	
REFER TO M, E & FP DRAWINGS FOR ROOF SYMBOLS NOT INDICATED BELOW	
	PRIMARY ROOF DRAIN AND SUMP
	SECONDARY/EMERGENCY OVERFLOW (WHERE OCCURS)
	GUTTER AND DOWNSPOUT (RECTANGULAR SHOWN, MAY BE ROUND IF SPECIFIED)
	ROOF ACCESS HATCH
	SCUPPER
	CRICKET
	WALKWAY PATH
	INDICATES DIRECTION OF ROOF ASSEMBLY SLOPE

ROOF PLAN GENERAL NOTES	
A. ALL ROOF ASSEMBLIES: RFA1, UNO.	
B. ROOF PLAN DOES NOT INDICATE ALL EQUIPMENT AND PENETRATIONS. REFER TO OTHER DISCIPLINE'S DRAWINGS FOR QUANTITIES AND LOCATIONS OF ROOFTOP EQUIPMENT AND ASSOCIATED PENETRATIONS.	
C. COORDINATE LOCATION AND SIZE OF ROOF OPENINGS AND ASSOCIATED PENETRATIONS WITH STRUCTURE.	
D. ROOF DETAILS MAY NOT ENTIRELY REPRESENT ACTUAL CONSTRUCTION CONDITIONS. ACTUAL DETAIL ASSEMBLIES SHALL BE APPROVED BY ROOFING MANUFACTURER.	
E. ROOF PLAN DOES NOT INDICATE ALL ROOFING DETAILS (INCLUDING BUT NOT LIMITED TO ROOF DRAINS, VTR, CURBS, EXPANSION JOINTS, ROOF HATCHES). PROVIDE MFR'S DETAILS AS REQUIRED TO SUIT SPECIFIC APPLICATION AND SPECIFICATIONS.	
F. PROVIDE CRICKETS AT DRAINS, WALLS, CURBS, MECHANICAL EQUIPMENT, AND OTHER OBSTRUCTIONS SUCH THAT 1/4" PER FOOT MINIMUM POSITIVE DRAINAGE SLOPE IS MAINTAINED AT ALL SUCH AREAS.	
G. PROVIDE DOUBLE-LAYER OF MEMBRANE ROOFING MATERIAL UNDER SPLASH BLOCKS.	
H. CENTER ALL PENETRATIONS BETWEEN RIBS OF METAL ROOFING. PIPING, DUCTWORK AND CURBS SHALL BE OFFSET AS REQUIRED TO ACHIEVE PENETRATIONS CENTERED BETWEEN RIBS.	
I. ASSUME EXISTING TAPERED INSULATION IS PRESENT ON THE FLAT ROOF.	
J. ADD 9" CLOSED CELL SPRAY FOAM INSULATION (R=30) TO THE UNDERSIDE OF THE SLOPED ROOF AREAS. ADD 5/8" GYPSUM WALL BOARD ON 1 1/2" FURRING TO SEPARATE THE SPRAY FOAM INSULATION FROM THE INTERIOR OF THE BUILDING.	
ROOF PLAN KEYNOTES	
REPRESENTED BY □ n APPLIES TO DRAWINGS A10.1.n	
1	EXISTING ROOF ACCESS
2	EXTENTS OF DEMO TO EXISTING ROOF DECK / ASSEMBLY. REFER TO S-SERIES.
3	NEW TAPERED ROOF INSULATION TO MATCH EXISTING SLOPES. PROVIDE CRICKET(S) FOR AHU CURB.

MOSELEYARCHITECTS



HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO:	623324
DATE:	10/1/2025
REVISIONS	
DATE	DESCRIPTION

ROOF PLAN

A10.1

6210 ARDREY KELL ROAD • THE HUB AT WAYERLY, SUITE 425 • CHARLOTTE, NC 28277
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SCHEDULE OF SPECIAL INSPECTIONS
2018 NCBC

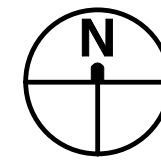
Inspections & Testing	Continuous Periodic	Y / N	Reference Standard or Compliance Document	Agent
Inspection Agents				
1. Special Inspection Engineer of Record:				
2. Inspection and Testing Agency:				
3. Steel Fabricator's Quality Control Inspector:				
4. Structural Engineer of Record:				
5. Mechanical Engineer of Record:				
6. Electrical Engineer of Record:				
7. Smoke Control Inspector:				
1704.2.4 Report Requirement				
Special inspector to keep record of special inspections and furnish inspection reports to the building official and to the Registered Design Professional in responsible charge.	●	Y	IBC 1704.2.4	1
1704.2.5 Inspection of Fabricated Items				
Work done in fabricator shop requires inspection unless the fabricator is registered and approved in accordance with 1704.2.5.1. Where fabricator is approved, provide fabricator certification document.	●	Y	1704.2.5	3
At completion of fabrication, submit certificate of compliance to building official stating the work was performed in accordance with the approved construction documents.	●	Y	1704.2.5.1	1
1704.4 Contractor Responsibility				
Each contractor responsible for the construction of a main wind- or seismic force resisting system, designated seismic system or a wind- or seismic-resisting component listed in the statement of special inspections shall submit a written statement of responsibility.	●	N	1704.4	-
1704.5 Submittals to the Building Official				
Certificates of compliance for the fabrication of structural, load-bearing or lateral load-resisting members or assemblies on the premises of a registered and approved fabricator in accordance with Section 1704.2.5.1	●	Y	1704.5 1704.2.5.1	3,4
Certificates of compliance for the seismic qualification of nonstructural components, supports and attachments in accordance with Section 1705.13.2	●	N	1704.5 1705.13.2	3,4
Certificates of compliance for designated seismic systems in accordance with Section 1705.13.3	●	N	1704.5 1705.13.3	3,4
Reports of preconstruction tests for shotcrete in accordance with Section 1908.5	●	N	1704.5, 1908.5	2,4
Certificates of compliance for open web steel joist and joist girders in accordance with Section 2207.5	●	N	1704.5, 2207.5	3,4
Reports of material properties verifying compliance with the requirements of AWS D1.4 for weldability as specified in Section 20.5.4. of ACI 318 for reinforcing bar in concrete complying with a standard other than ASTM A 706 that are to be welded	●	N	1704.5, AWS D1.4 20.5.4 of ACI 318 ASTM A 706	2,4
Reports of mill tests in accordance with Section 20.2.2.5 of ACI 318 for reinforcing bars complying with ASTM A 615 and used to resist earthquake-induced flexural or axial forces in the special moment frames, special structural walls or coupling beams connecting special structural walls of seismic force-resisting systems in structures assigned to Seismic Design Category B, C, D, E, or F	●	N	1704.5 20.2.2.5 of ACI 318 ASTM A 615	3,4
1704.6 Structural Observation				
The owner shall employ a registered design professional to perform structural observation. Prior to commencement of observation, the structural observer shall submit to the building official a written statement identifying frequency and extent of structural observations.			1704.6	
Seismic	●	N	1704.6.1	4
Wind	●	N	1704.6.2	4
1705.2 Steel Construction				
Structural steel inspections and non-destructive testing shall be in accordance with the quality assurance inspection requirements of AISC 360-10			1705.2.1 AISC 360-10	
Prior to Welding (AISC 360-10 Table N5.4-1)				
Welding procedure specifications (WPSs) available	●	Y	AISC 360-10 Table N5.4-1	1,4
Manufacturer certifications for welding consumables	●	Y		1,4
Material identification (type/grade)	●	Y		3,4
Welder identification system	●	Y		3,4
Fit-up of groove welds (including joint geometry)	●	Y		2,3
a. Joint preparation				
b. Dimensions (Alignment, root open, root face, bevel)				
c. Cleanliness (Condition of steel surfaces)				
d. Tackling (tack weld quality and location)				
e. Backing type and fit (if applicable)				
Configuration and finish of access holes	●	Y		3
Fit-up of fillet welds	●	Y		2,3
a. Dimensions (Alignment, root open, root face, bevel)				
b. Cleanliness (Condition of steel surfaces)				
c. Tackling (tack weld quality and location)				
During Welding (AISC 360-10 Table N5.4-2)				
Use of qualified welders	●	Y	AISC 360-10 Table N5.4-2	1,2
Control and handling of welding consumables	●	Y		2
a. Packaging				
b. Exposure control				
No welding over cracked tack welds	●	Y		2
Environmental conditions	●	Y		2
a. Wind speed within limits				
b. Precipitation and temperature	●	Y		2
WPS followed	●	Y		2
a. Settings on welding equipment				
b. Travel speed				
c. Selected welding materials				
d. Shielding gas type/flow rate				
e. Preheat applied				
f. Interpass temperature maintained (min/max)				
g. Proper position (F, V, H, OH)				
h. Interfix of filler metals avoided unless approved				
Welding techniques	●	Y		2
a. Interpass and final cleaning				
b. Each pass with profile limitations				
c. Each pass meets quality requirements				
After Welding (AISC 360-10 Table N5.4-3)				
Welds cleaned	●	Y	AISC 360-10 Table N5.4-3	1,2
Size, length, and location of welds	●	Y		1,2
Welds meet visual acceptance criteria	●	Y		1,2
a. Crack prohibition				
b. Weldbase-metal fusion				
c. Crater cross section				
d. Weld profiles				
e. Weld size				
f. Undercut				
g. Porosity				
Arc strikes	●	Y		1,2
k-area	●	Y		2
Backing removed and weld tabs removed (if required)	●	Y		2
Repair activities	●	Y		1,4
Document acceptance or rejection of welded joint or member	●	Y		
Placement of reinforcing or contouring fillet welds (if required) (ref. AISC 341-10)	●	N		2
Backing removed, weld tabs removed and finished, and fillet welds added (if required) (ref. AISC 341-10)	●	N		2

Inspections & Testing	Continuous Periodic	Y / N	Reference Standard or Compliance Document	Agent
Nondestructive Testing (AISC 360-10 Section N5.5)				
Risk Category I Structures - Perform Ultrasonic Testing on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading, in materials 5/16 inches thick or greater.	●	N	AISC 360-10 Section N5.5	1,2
Risk Category II or IV Structures - Perform Ultrasonic Testing on all CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints subject to transversely applied tension loading, in materials 5/16 inches thick or greater.	●	Y		1,2
Access holes - Perform Magnetic Particle Testing or Liquid Penetrant Testing when the flange thickness exceeds 2 inches for rolled shapes, or when the web thickness exceeds 2 inches for built-up shapes.	●	N		1,2
Welded Joints Subject to Fatigue	●	N		1,2
Nondestructive Testing (AISC 341-10 Section J6.2)				
k-area	●	N	AISC 341-10 Section J6.2	2
CJP Groove weld	●	N		2
Lamellar tearing	●	N		2
Beam cope and access hole	●	N		2
Reduced beam section repair	●	N		2,4
Weld tab removal	●	N		2
Prior to Bolting (AISC 360-10 Table N5.6-1)				
Manufacturer's certifications available for fastener materials	●	Y	AISC 360-10 Table N5.6-1	3,4
Fasteners marked in accordance with ASTM requirements	●	Y		3,4
Proper fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded for shear plane)	●	Y		3,4
Proper bolting pattern selected for joint detail	●	Y		2,4
Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	●	Y		2,4
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used (Not required for snug tight bolts)	●	N		1,2
Proper storage provided for bolts, nuts, washers and other fastener components	●	Y		1,2
During Bolting (AISC 360-10 Table N5.6-2)				
These inspections are not required for snug-tight joints. These inspections are not required for pretensioned joints and slip-critical joints, when the installer is using the turn-of-nut method with matchmarking techniques, the direct-tension-indicator method, or the twist-off-type tension control bolt method.				
Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required	●	N	AISC 360-10 Section N5.6-2	2
Joint brought to the snug-tight condition prior to pretensioning operation	●	N		2
Fastener component not turned by the wrench prevented from rotating	●	N		2
Fasteners are pretensioned in accordance with the RCSC specification, progressing systematically from the most right point toward the free edges	●	N		1,2
After Bolting (AISC 360-10 Table N5.6-3)				
Document acceptance or rejection of bolted connections	●	Y	AISC 360-10 Table N5.6-3	1,2
Other Inspection Tasks (AISC 360-10 Section N5.7)				
Verify compliance of fabricated steel with the details shown on the approved shop drawings	●	Y	AISC 360-10 Section N5.6-7	1,2
Verify compliance of the erected steel frame with the details shown on the approved erection drawings, including braces, stiffeners, member location and joint details	●	Y		1,2
Anchor rods and other embedment supporting structural steel	●	Y		1,2
a. Verify the diameter, grade, type and length of the anchor rod or embedded item				
b. Verify the extent or depth of embedment into the concrete				
RBS requirements, if applicable (ref. AISC 341-10)	●	N		1,2
a. Contour and finish				
b. Dimensional tolerances				
Protected zone - no holes and unapproved attachments made by fabricator or erector, as applicable (ref. AISC 341-10)	●	N		2
H-Piles - Protected zone - no holes and unapproved attachments made by the responsible contractor, as applicable (ref. AISC 341-10)	●	N		4
c. Welding of reinforcement	●	Y		1,2
1705.2.2 Cold-Formed Steel Deck				
Special inspections in accordance with QA/QC-2011 Standard for Quality control and Quality assurance for installation of steel deck	●	Y	1705.2.2	4
1705.2.3 Open-Web Steel Joists and Joist Girders				
Installation of open-web steel joists and joist girders	●	N	Table 1705.2.3	1,2
a. End connections - welding or bolted				
b. Bridging - horizontal or diagonal				
i. Standard bridging				
ii. Bridging that differs from the SJI specifications listed in section 2207				
Inspection of Composite Structures Prior to Concrete Placement (AISC 341-10 Table J9-1)				
Prior to Concrete Placement (AISC 360-10 Table N6-1)				
Placement and installation of steel deck	●	N	AISC 360-10 Table N6-1	1,2
Placement and installation of steel headed stud anchors	●	N		1,2
Document acceptance or rejection of stud elements	●	N		1
Prior to Concrete Placement (AISC 341-10 Table J9-1)				
Material identification of reinforcing steel (Type/Grade)	●	N	AISC 341-10 Table J9-1	1,2
Determination of carbon equivalent for reinforcing steel other than ASTM A706	●	N		2
Proper reinforcing steel size, spacing and orientation	●	N		1,2
Reinforcing steel has not been rebar in the field	●	N		2
Reinforcing steel has been tied and supported as required	●	N		2
Required reinforcing steel clearances have been provided	●	N		2
Composite member has required size	●	N		2
During Concrete Placement (AISC 341-10 Table J9-2)				
Concrete: Material identification (mix design, compressive strength, maximum large aggregate size, maximum slump)	●	N	AISC 341-10 Table J9-2	2
Limits on water added at the truck or pump	●	N		2
Proper placement techniques to limit segregation	●	N		2
After Concrete Placement (AISC 341-10 Table J9-3)				
Achievement of minimum specified concrete compressive strength at specified age	●	N	AISC 341-10 Table J9-3	2
1705.2.4 Cold-Formed Steel Trusses Spanning 80-feet or Greater				
Verify temporary installation restraint/bracing installed in accordance with the approved shop drawings	●	N	Table 1705.2.4	1,4
Verify permanent individual truss member restraint/bracing installed in accordance with the approved shop drawings	●	N		1,2

Inspections & Testing	Continuous Periodic	Y / N	Reference Standard or Compliance Document	Agent
1705.3 Concrete Construction				
Inspect reinforcing steel, including prestressing tendons, and verify placement.	●	Y	Table 1705.3	2
Inspect reinforcing steel welding in accordance with steel construction section above	●	Y		2
Inspect anchors cast in concrete	●	Y		2
Inspect anchors post-installed in hardened concrete members	●	Y		1,2
Verify use of approved design mix	●	Y		2
Prior to placement fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	●	Y		2
Inspect concrete and shotcrete placement for proper application techniques	●	Y		2
Inspect for maintenance of specified curing temperature and techniques	●	Y		2
Inspect prestressed concrete for:				1,2
a. Application of prestressing forces	●	N		
b. Grouting of bonded prestressing tendons in the seismic-force-resisting system	●	N		
Inspect erection of precast structural members	●	N		1,2
Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs	●	N		2
Inspect formwork for shape, location and dimensions of the concrete member being formed	●	Y		1,2
1705.4 Masonry Construction				
Inspect masonry construction in accordance with 1705.4 and TMS 602-13/ACI 530.1-13/ASCE 6-13 Article 1.6			TMS 602-13/ACI 530.1-13 ASCE 6-13 Article 1.6	1,2
Level A Quality Assurance (Table 3)				
Prior to construction verify certificates of compliance	●	Y		4
Level B Quality Assurance (Table 4)				
Test as follows:				
Verify slump flow and Visual Stability Index (VSI) as delivered to the project site in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.5B.1.b.3 for self-consolidation grout	●	Y		2
Verify fm and f'ac in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.4B prior to construction, and for every 5000 square feet during construction	●	Y		2
Inspections as follows:				
Verify compliance with the approved submittals and project specifications	●	Y		4
At the start of masonry construction, verify:				
a. Proportions of site-prepared mortar	●	Y		2
b. Construction of mortar joints	●	Y		2
c. Grade and size of prestressing tendons and anchorages	●	N		2
d. Location of reinforcement, connectors, prestressing tendons and anchorages	●	Y		2
e. Prestressing technique	●	N		2
f. Properties of thin-bed mortar for AAC masonry. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.)	●	N		2
Prior to grouting, verify:				
a. Grout space is clean	●	Y		2
b. Grade, type and size of reinforcement and anchor bolts, and prestressing tendons and anchorages	●	Y		2
c. Placement of reinforcing and connectors, and prestressing tendons and anchorages	●	Y		2
d. Proportions of site-prepared grout and prestressing grout for bonded tendons	●	Y		2
e. Construction of mortar joints	●	Y		2
During masonry construction, verify:				
a. Size and location of structural members	●	Y		1,2
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	●	Y		1,2
c. Welding of reinforcement	●	Y		1,2
d. Preparation, construction and protection of masonry during cold weather (Temperature below 40°F) or hot weather (Temperature above 90°F)	●	Y		2
e. Application and measurement of prestressing force	●	N		2
f. Placement of grout and prestressing grout for bonded tendons is in compliance	●	Y		2
g. Placement of AAC masonry units and construction of thin-bed mortar joints. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.)	●	N		2
Observe preparation of grout specimens, mortar specimens and/or prisms	●	Y		2
Level C Quality Assurance (Table 5)				
Tests as follows:				
Verify fm and f'ac in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.4B prior to construction, and for every 5000 square feet during construction	●	N		2
Verify proportions of materials in premixed or pre-blended mortar, prestressing grout and grout other than self-consolidation grout as delivered to the project site	●	N		2
Verify slump flow and Visual Stability Index (VSI) as delivered to the project site in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.5B.1.b.3 for self-consolidation grout	●	N		2
Tests as follows:				
Verify compliance with approved submittals and project specifications	●	N		1,4
Verify:				
a. Proportions of site-prepared mortar, grout and prestressing grout for bonded tendons	●	N		2
b. Grade, type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorages	●	N		2
c. Placement of masonry units and construction of mortar joints	●	N		2
d. Placement of reinforcement, connectors and prestressing tendons and anchorages	●	N		2
e. Grout space prior to grouting	●	N		2
f. Placement of grout and prestressing grout for bonded tendons	●	N		2
g. Size and location of structural elements	●	N		2
h. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames and other construction	●	N		2
i. Welding of reinforcement	●	N		2
j. Preparation, construction, and protection of masonry during cold weather (Temperature below 40°F) or hot weather (Temperature above 90°F)	●	N		2
k. Application and measurement of prestressing force	●	N		2
l. Placement of AAC masonry units and construction of thin-bed mortar joints	●	N		2
m. Properties of thin-bed mortar for AAC masonry	●	N		2
Observe preparation of grout specimens, mortar specimens and/or prisms	●	N		2

Inspections & Testing	Continuous Periodic	Y / N	Reference Standard or Compliance Document	Agent
1705.5 Wood Construction				
Inspect prefabricated wood structural elements in accordance with Section 1704.2.5	●	N	1705.5	1
High load diaphragms:	●	N	1705.11 High wind and Seismic areas	1,2
a. Verify sheathing grade and thickness				
b. Verify nominal size of framing members and adjoining panel edges				
c. Verify nail or staple diameter and length				
d. Verify number of fastener lines				
e. Verify spacing between fasteners in each line and at panel edges				
Shearwalls:	●	N		1,2
a. Verify sheathing grade and thickness				
b. Verify nominal size of framing members and adjoining panel edges				
c. Verify nail or staple diameter and length				
d. Verify number of fastener lines				
e. Verify spacing between fasteners in each line and at panel edges				
f. Location and size of holdowns				
Verify nailing, bolting, anchoring and fastening of:	●	N		1,2
a. Drag struts and collectors				
b. Braces				
c. Hold-downs				
Metal-plate-connected wood trusses spanning 60 feet or greater:				
a. Verify temporary installation restraint/bracing installed in accordance with approved shop drawings	●	N		1,2
b. Verify permanent individual truss member restraint/bracing installed in accordance with the approved shop drawings	●	N		1,2
1705.6 Soils				
Verify materials below shallow foundation are adequate to achieve the required bearing capacity	●	Y	Table 1705.6	2
Verify excavation are extended to proper depth and have reached proper material	●	Y		2
Perform classification and testing of compacted fill materials	●	Y		2
Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	●	Y		2
Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly	●	Y		2
1705.7 Driven Deep Foundation Elements				
Verify materials, sizes and lengths	●	N	Table 1705.7	2
Determine capacities of test elements and conduct additional load tests when required. Refer to project specifications	●	N		2
Maintain complete and accurate records for each element	●	N		2
Observe and verify drilling operations	●	N		2
a. Verify element locations and plumbness				
b. Verify type and size of hammer				
c. Record number of blows per foot of penetration				
d. Determine required penetration to achieve specified capacity				
e. Record pile tip and butt elevations				
f. Document any damage to any foundation element				
For steel elements, perform additional inspection in accordance with 1705.2 and AISC 341-10. Table J10-1		N	AISC 341-10 Table J10-1	1,2
For concrete elements and concrete-filled elements, perform additional inspections in accordance with 1705.3		N		1,2
For specialty elements, perform additional inspections as required in the project specifications.		N		1,2
1705.8 Cast-In-Place Deep Foundations				
Maintain complete and accurate records for each element	●	N	Table 1705.8	2
Observe and verify drilling operations	●	N		2
a. Verify element locations and plumbness				
b. Verify element diameter				
c. Verify bell diameter (if applicable)				
d. Verify element lengths				
e. Verify embedment depth into bedrock (if applicable)				
f. Verify adequate end-bearing strata capacity				
g. Record concrete or grout volumes				
For concrete elements, perform additional inspections in accordance with 1705.3		N		1
1705.9 Helical Piles				
Maintain complete and accurate records for each element	●	N	Table 1705.9	2
Observe and verify drilling operations	●	N		2
a. Verify pile locations				
b. Verify installation equipment used				
c. Verify pile dimensions				
d. Verify tip elevations				
e. Verify final depth				
f. Verify final installation torque				
g. Other data as required by the project specifications				
1705.11 Wind Resistance				
Provide inspections when required by 1705.11	●	N		1,4
a. Structural wood			1705.11.1	
b. CFS light frame construction			1705.11.2	
c. Wind resisting components			1705.11.3	
1705.12 Seismic Resistance				
Maintain complete and accurate records for each element	●	N		1,4
a. Structural steel			1705.12.1	
b. Structural wood			1705.12.2	
c. CFS light frame construction			1705.12.3	
d. Designated seismic systems			1705.12.4	
e. Architectural components			1705.12.5	
f. Plumbing, Mechanical, Electrical components			1705.12.6	
1705.13 Testing and Qualification for Seismic Resistance				
Test and qualify seismic resistance in accordance with 1705.13 and the project specifications	●	N		1,4
1705.14 Sprayed Fire-Resistant Materials (SFRM)				
Inspect sprayed fire-resistant materials in accordance with 1705.14 and the project specifications	●	Y		1,2
a. Condition of substrate				
b. Thickness of application				
c. Density				
d. Bond strength adhesion/cohesion				
e. Condition of finished application				
1705.15 Mastic and Intumescent Fire-Resistant Coatings				
Perform inspections in accordance with AWC1 12-B and 1705.15	●	Y	AWC1 12-B	1,2
1705.16 Exterior Insulation and Finish Systems (EIFS)				
Perform inspections in accordance with project specifications and 1705.16	●	N		1,2
1705.17 Fire-resistant Penetrations and Joints				
Perform inspections in accordance with project specifications and 1705.17	●	Y	1705.17.1, 1705.17.2	1,4
1705.18 Smoke Control				
Perform testing in accordance with project specifications and 1705.18	●	N		1,7

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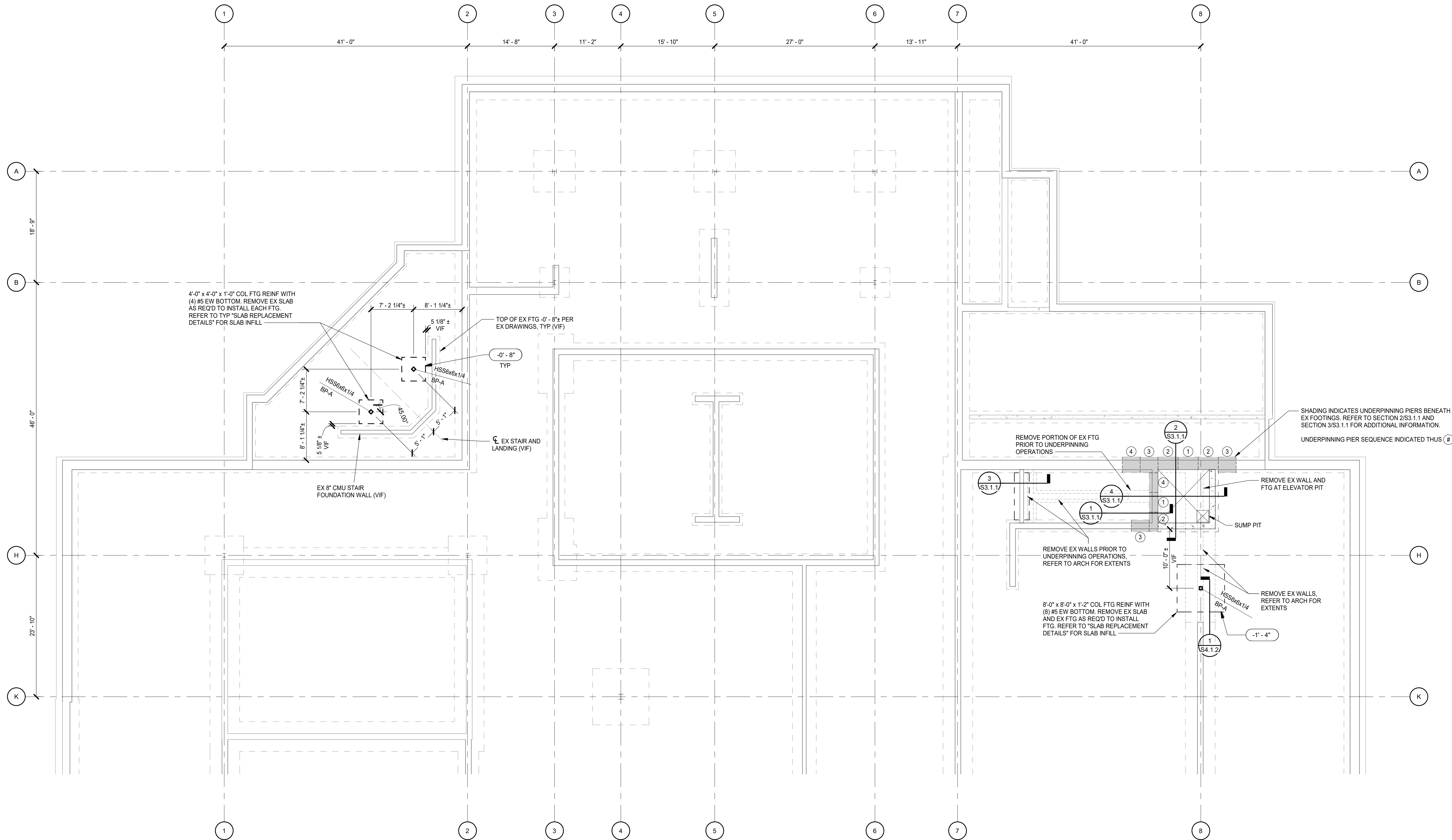


FOUNDATION PLAN - LEVEL 1

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

- EXISTING FIRST FLOOR ELEVATION = REFERENCE DATUM EL (+0' - 0"). ALL STRUCTURAL ELEVATIONS INDICATED ARE REFERENCED FROM THIS ELEVATION, UNO.
- IN-FILL FLOOR CONSTRUCTION SHALL BE NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH 6x6-W2.9xW2.9 WWF (AT 1" FROM TOP OF SLAB) OVER VAPOR BARRIER OVER 4" GRANULAR BASE COURSE, UNO.
- BASE COURSE SHALL BE A CLEAN, DENSELY-GRADED "CRUSHER RUN" MATERIAL WITH A BALANCED FINE CONTENT, SUCH AS NCDOT ABC STONE. THE BASE COURSE SHALL BE COMPACTED AND SHALL BE FINISHED TO A FLAT, SMOOTH, LOW-FRICTION SURFACE. COMPACTION SHALL BE MONITORED BY THE ON-SITE TESTING AGENCY. OPEN GRADED STONE, SUCH AS #57 STONE, IS NOT ACCEPTABLE.
- REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
- REFER TO DRAWING S3.0.1 FOR TYPICAL FOUNDATION DETAILS, SLAB DETAILS AND SCHEDULES.



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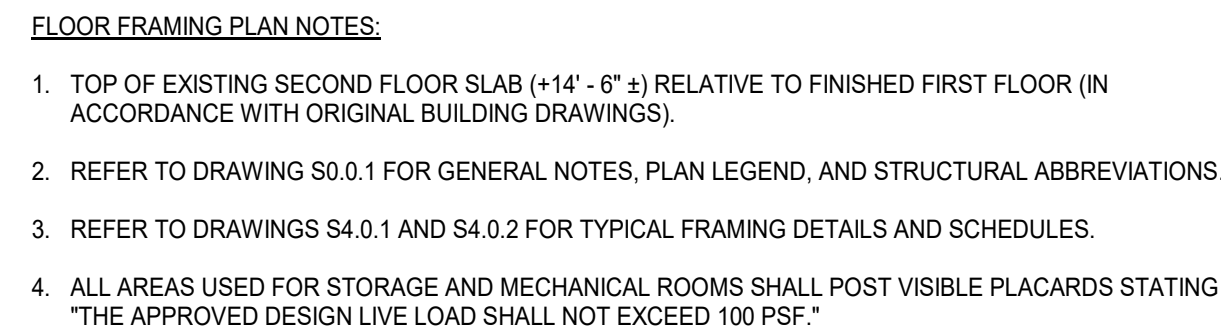
HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

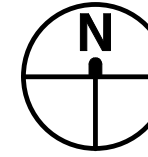
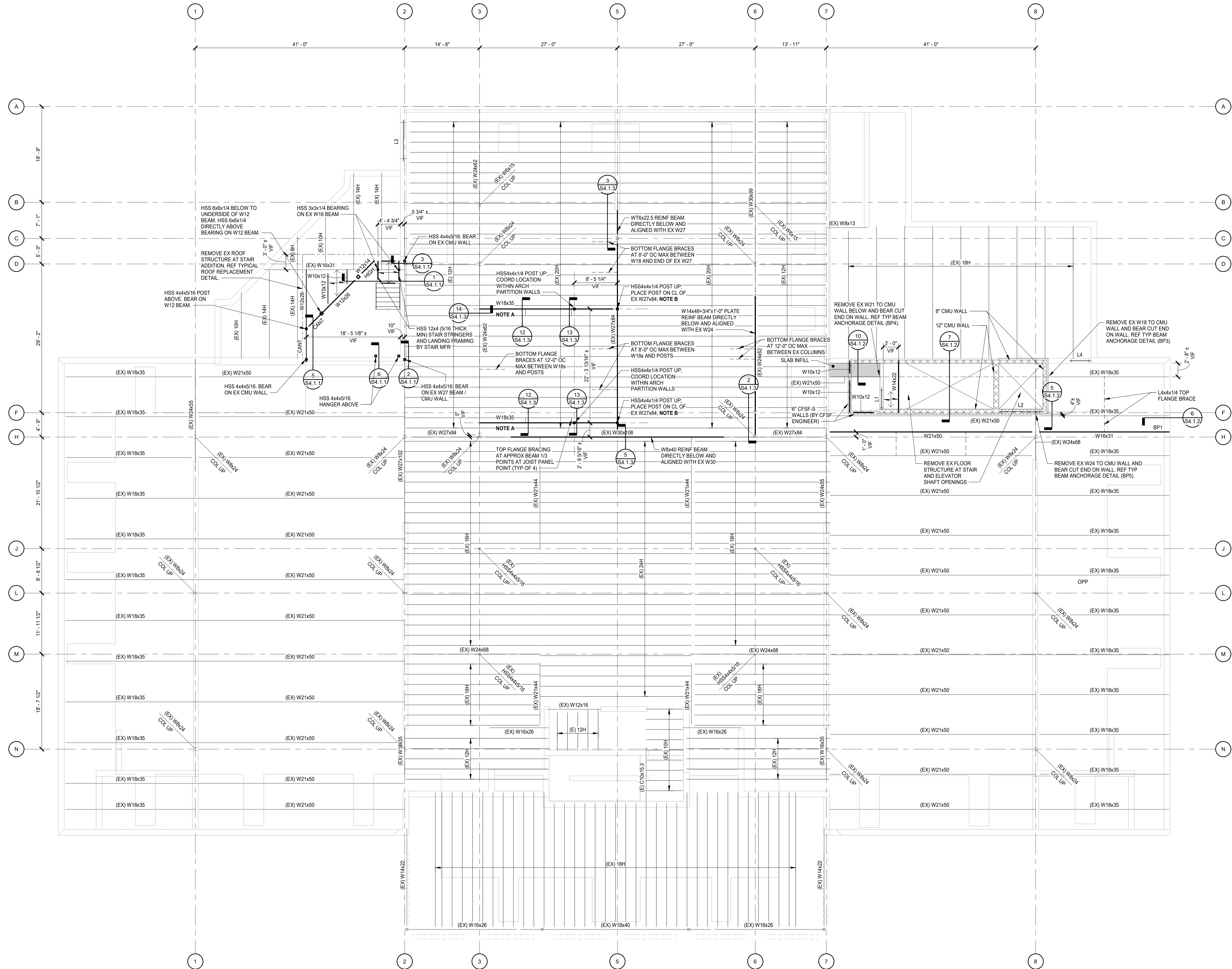
PROJECT NO:	623324
DATE:	10/1/2025
REVISIONS	
DATE	DESCRIPTION

FOUNDATION PLAN -
LEVEL 1

S1.1



PROJECT NO: 623324	
DATE: 10/1/2025	
REVISIONS	
DATE	DESCRIPTION



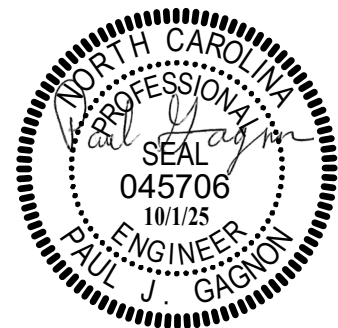
FLOOR FRAMING PLAN - LEVEL 3

FLOOR FRAMING PLAN NOTES:

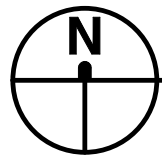
1. TOP OF EXISTING THIRD FLOOR SLAB (+31' - 1 7/16") RELATIVE TO FINISHED FIRST FLOOR (IN ACCORDANCE WITH ORIGINAL BUILDING DRAWINGS).
2. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
3. REFER TO DRAWINGS S4.0.1 AND S4.0.2 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.
4. ALL AREAS USED FOR STORAGE AND MECHANICAL ROOMS SHALL POST VISIBLE PLACARDS STATING "THE APPROVED DESIGN LIVE LOAD SHALL NOT EXCEED 100 PSF."

NOTE A: PROVIDE W18 BEAM TIGHT TO UNDERSIDE OF EXISTING DECK. IF EXISTING FLOOR JOIST INTERFERES WITH REQUIRED LOCATION OF W18 BEAM, SHORE EXISTING DECK ON EACH SIDE OF ADJACENT FLOOR JOISTS TO REMAIN, PRIOR TO REMOVAL OF JOIST FOR W18 BEAM INSTALLATION.

NOTE B: SAWCUT 10" SQUARE HOLE IN EXISTING CONC ON DECK, SIMILAR TO SECTION 11/S4.1.3. SAWCUT TO DEPTH NOT TO DAMAGE EXISTING W27 BEAM. CHIP OUT REMAINING CONC AS REQUIRED. INSTALL HSS444 POST AND INFILL WITH CONCRETE AFTER INSTALLATION.



PROJECT NO:	623324
DATE:	10/1/2025
REVISIONS	
DATE	DESCRIPTION



ROOF FRAMING PLAN

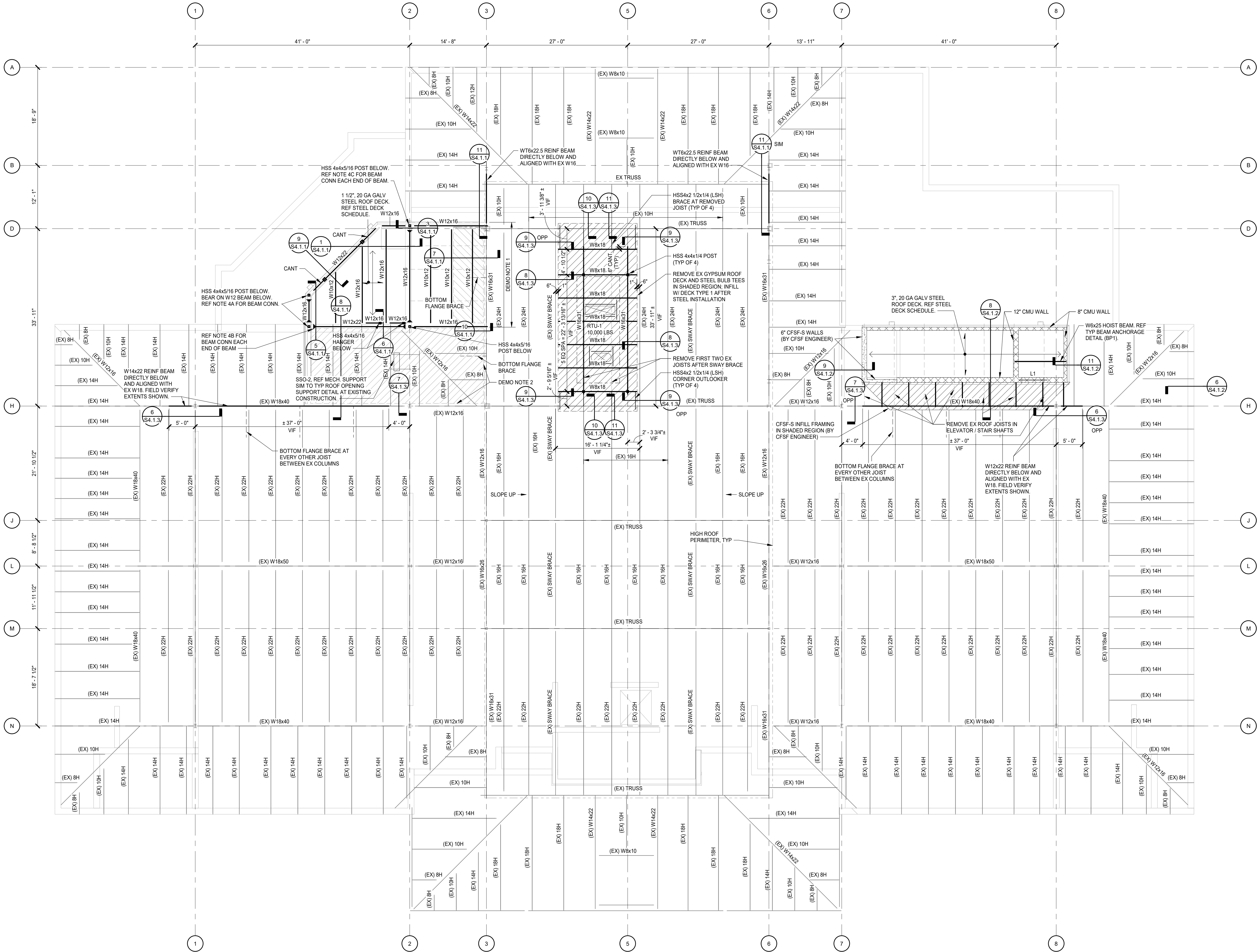
1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

- TOP OF STEEL BEAMS INDICATED THUS (+X-X') ON PLAN SHALL BE REFERENCED FROM EXISTING FINISHED FIRST FLOOR ELEVATION (IN ACCORDANCE WITH ORIGINAL BUILDING DRAWINGS).
- STEEL ROOF DECK SHALL BE 1 1/2" WIDE RIB ROOF DECK (DECK TYPE 1). UNO. REFER TO STEEL DECK SCHEDULE ON DRAWING S4.0.2 FOR DECK TYPES INDICATED ON PLAN. REFER TO FRAMING PLAN AND ARCHITECTURAL AND STRUCTURAL SECTIONS FOR EXTENT OF DECK TYPES.
- STEEL CONNECTION ENGINEER SHALL DESIGN BEAM-COLUMN MOMENT CONNECTIONS FOR THE FOLLOWING BEAM END ALLOWABLE REACTIONS:
 - BEAM VERTICAL SHEAR = 42.2 K
BEAM HORIZONTAL SHEAR = ±1.2 K
BEAM AXIAL = ±0.7 K
BEAM STRONG AXIS MOMENT = ±5.8 K-FT
BEAM WEAK AXIS MOMENT = ±2.3 K-FT
BEAM TORQUE = ±0.3 K-FT
 - BEAM VERTICAL SHEAR = 12.5 K
BEAM HORIZONTAL SHEAR = ±0.7 K
BEAM AXIAL = ±1.7 K
BEAM STRONG AXIS MOMENT = ±7.6 K-FT, -0.1 K-FT
BEAM WEAK AXIS MOMENT = ±1.6 K-FT
BEAM TORQUE = ±0.1 K-FT
 - BEAM VERTICAL SHEAR = 45.5 K
BEAM HORIZONTAL SHEAR = ±0.7 K
BEAM AXIAL = ±0.9 K
BEAM STRONG AXIS MOMENT = ±5.1 K-FT
BEAM WEAK AXIS MOMENT = ±0.7 K-FT
BEAM TORQUE = ±0.1 K-FT

DEMOLITION NOTES:

- REMOVE EX ROOF JOISTS AND EX ROOFING IN HATCHED REGION (SEE ARCH FOR EXTENTS). PROVIDE CFSF-S INFILL FRAMING AT REMOVED PORTION OF EX SLOPED ROOF (BY CFSF ENGINEER).
- REMOVE EX GYPSUM ROOF DECK AND STEEL BULB TEES IN SHADED REGION AND REPLACE WITH STEEL ROOF DECK TYPE 1 (PER TYPICAL ROOF REPLACEMENT DETAIL, SEE ARCH FOR EXTENTS). DO NOT DAMAGE EX ROOF JOISTS AND BEAMS. PROVIDE CFSF-S INFILL / OVERFRAMING AT FLAT ROOF (BY CFSF ENGINEER).

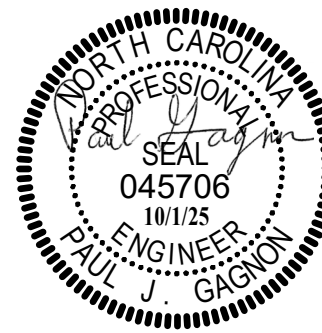


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ROOF FRAMING PLAN



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9/30/2025 5:27:24 PM

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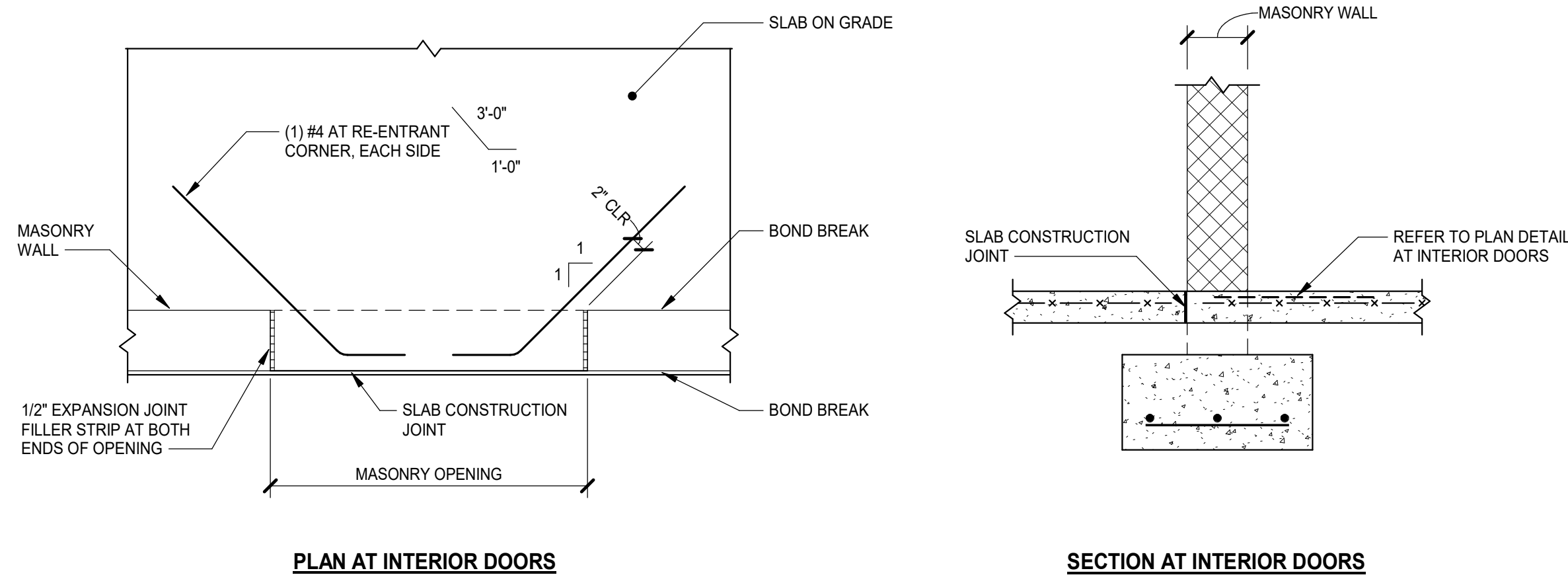
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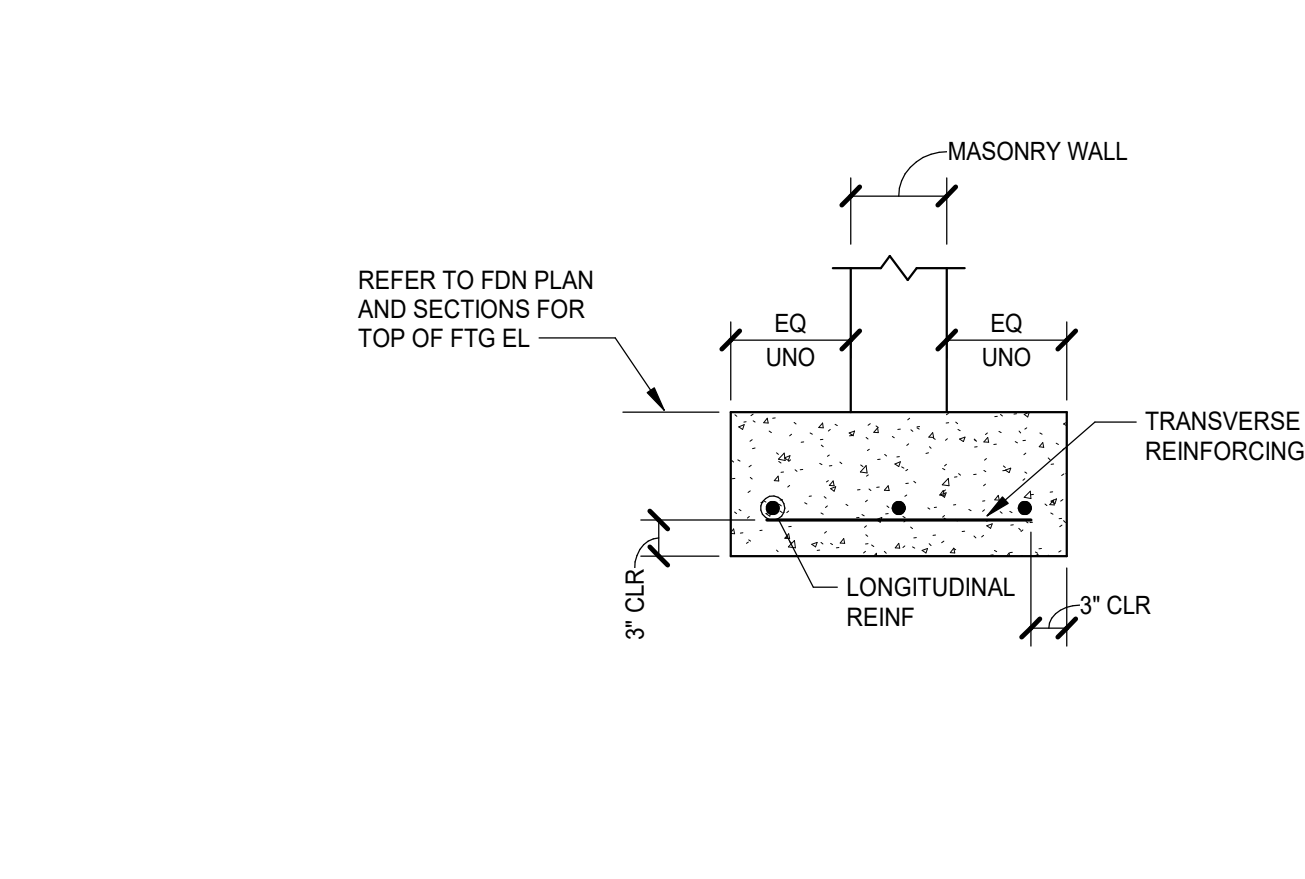
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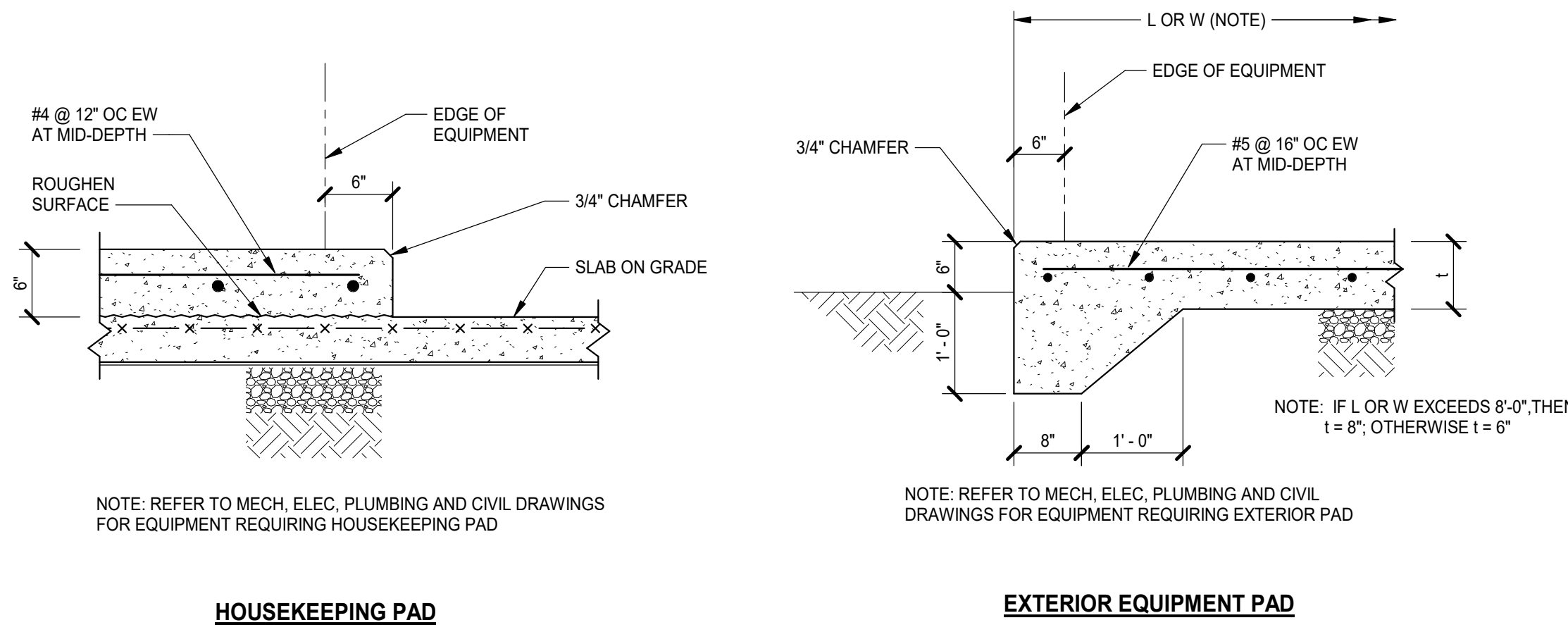
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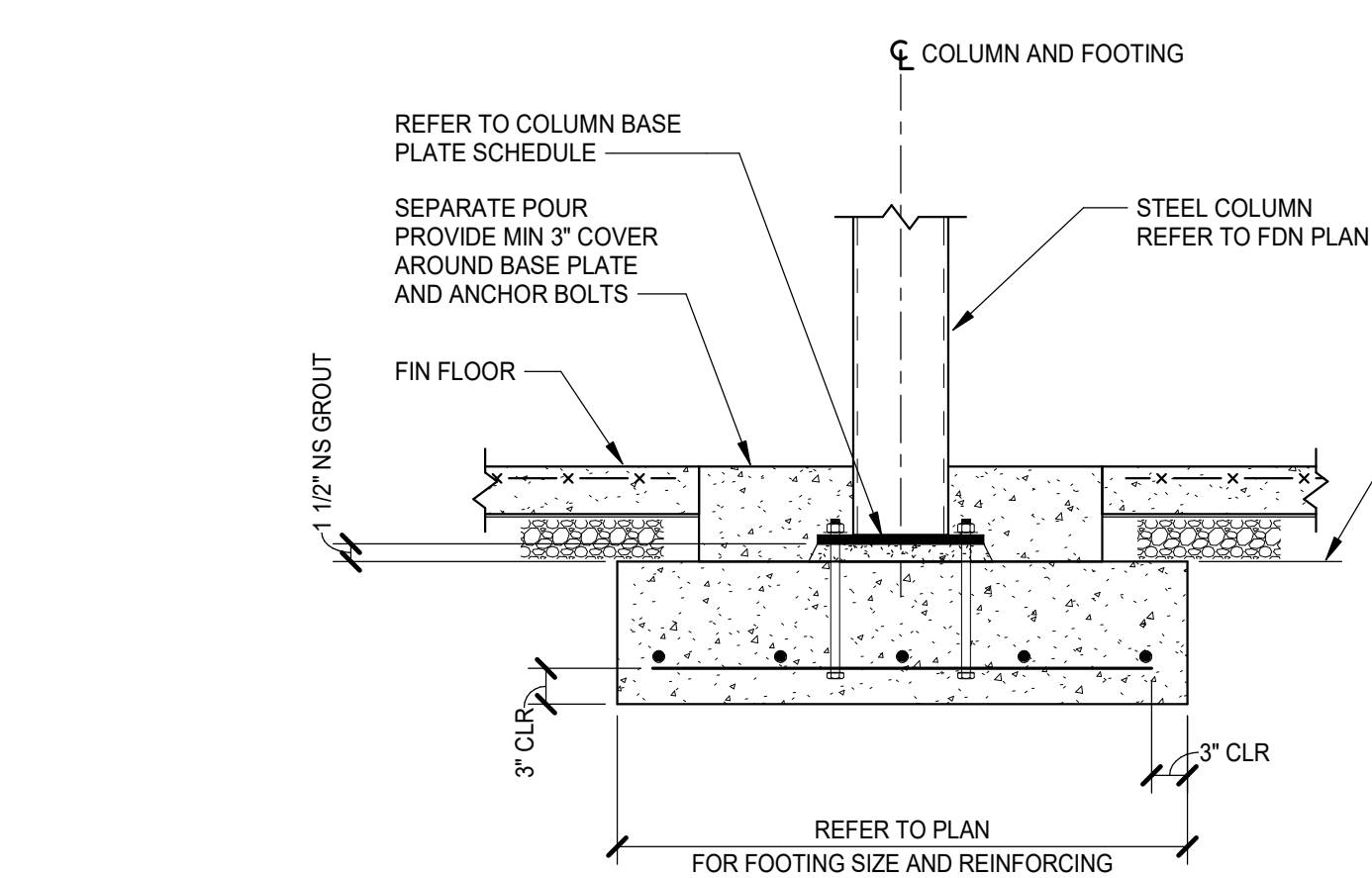
SLAB ON GRADE DETAILS AT DOORS
NO SCALE



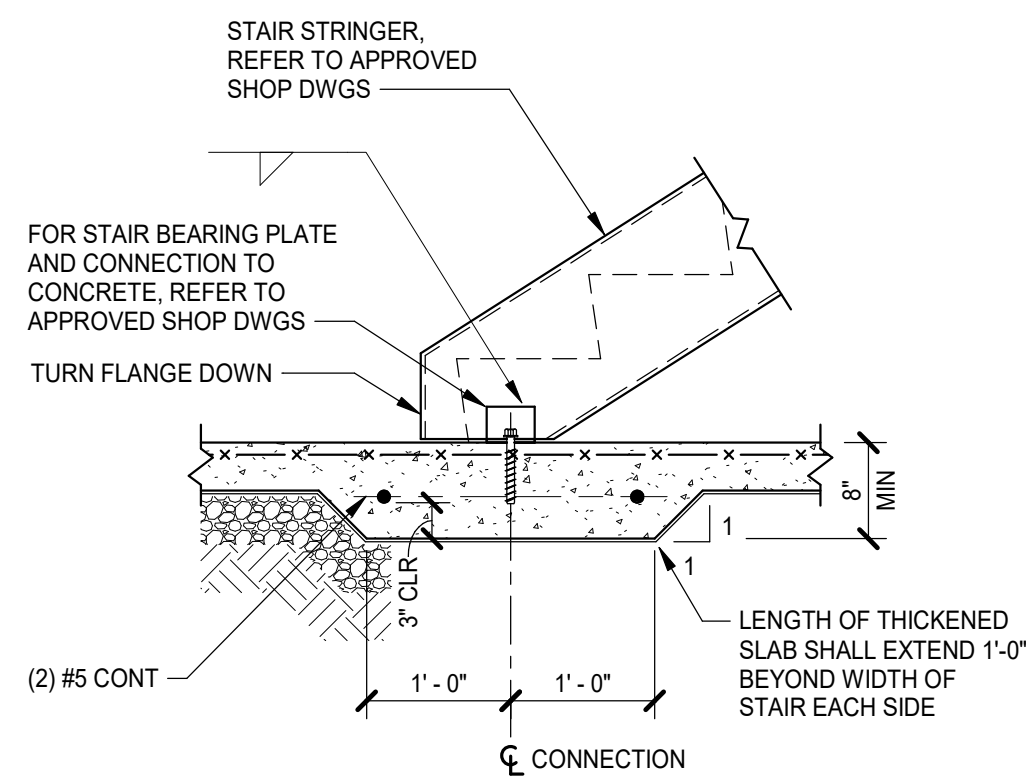
WALL FOOTING DETAIL
NO SCALE



EQUIPMENT PAD DETAILS
NO SCALE

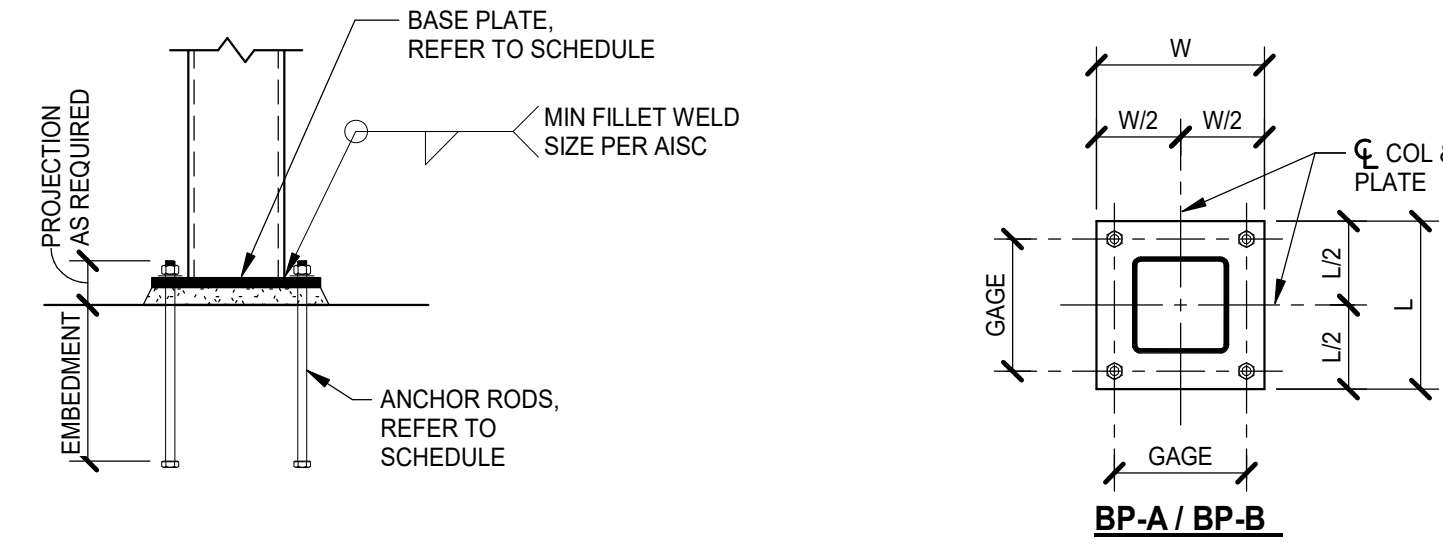


STEEL COLUMN FOOTING DETAIL
NO SCALE

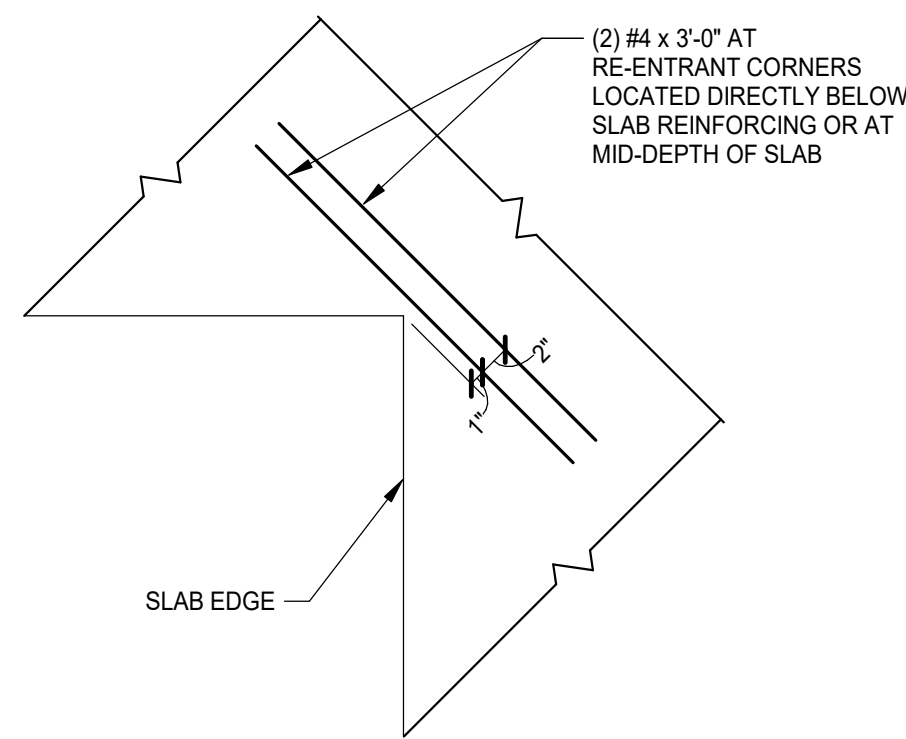


THICKENED SLAB AT STAIR
NO SCALE

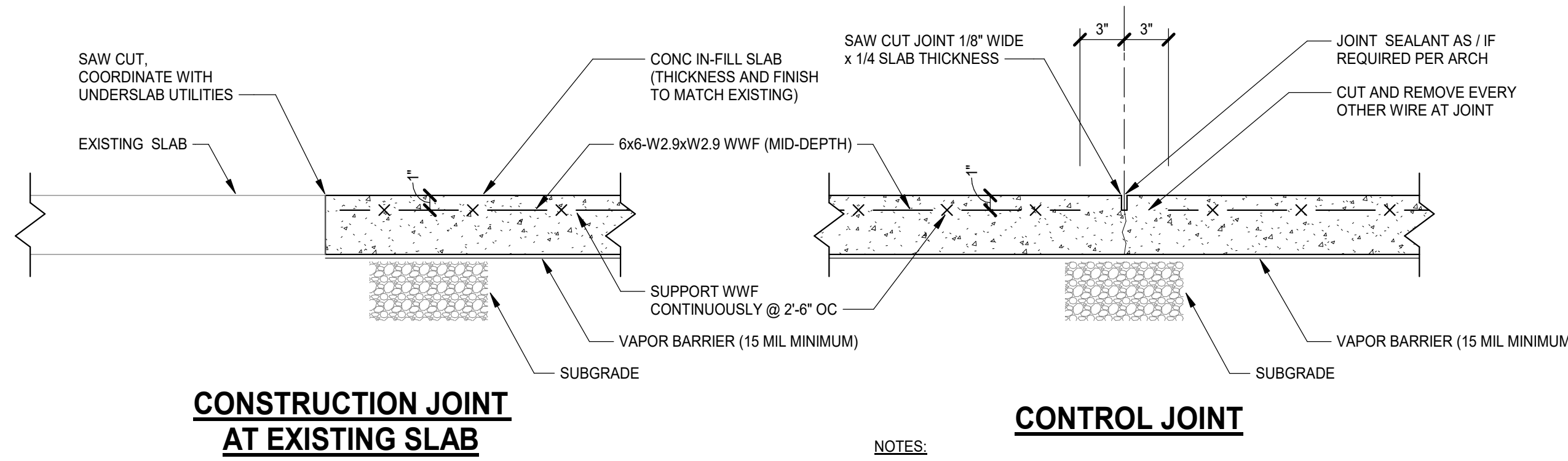
MARK	BASE PLATE SIZE			HEADED ANCHOR RODS			GAGE	BASE PLATE TYPE
	L	W	T	SIZE	EMBED			
BP-A	1'-2"	1'-2"	1"	(4) 3/4" DIA	8"	11"		STANDARD



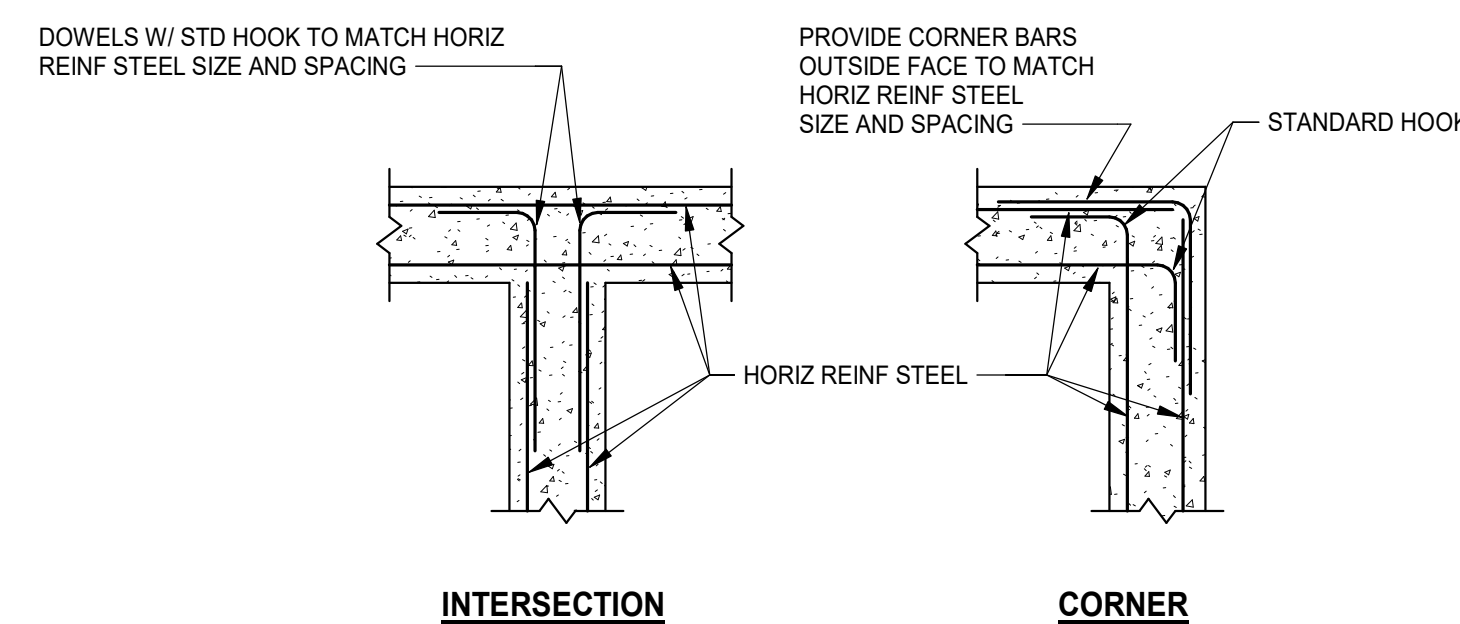
COLUMN BASE PLATE DETAILS
NO SCALE



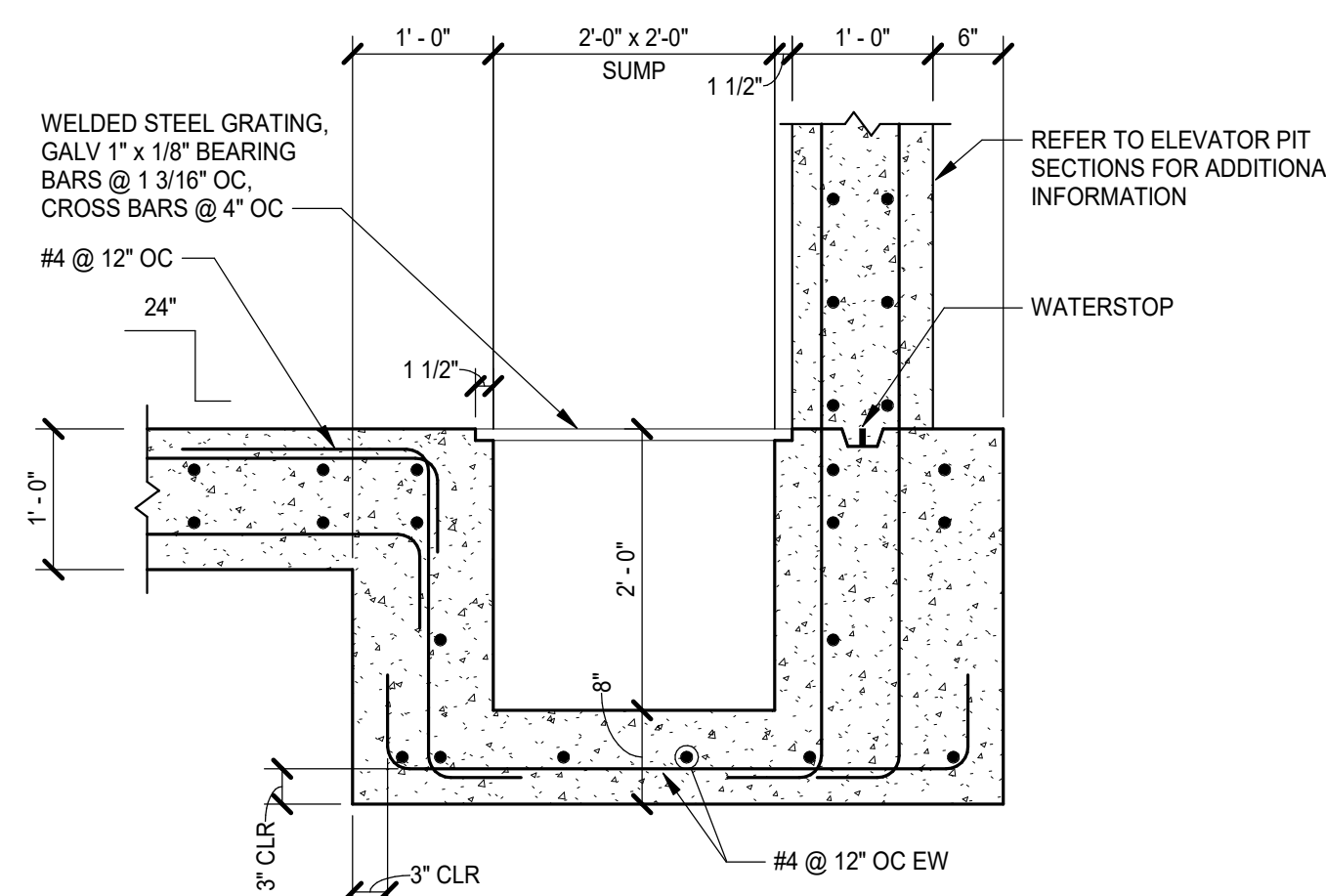
SLAB REINFORCING AT RE-ENTRANT CORNER
NO SCALE



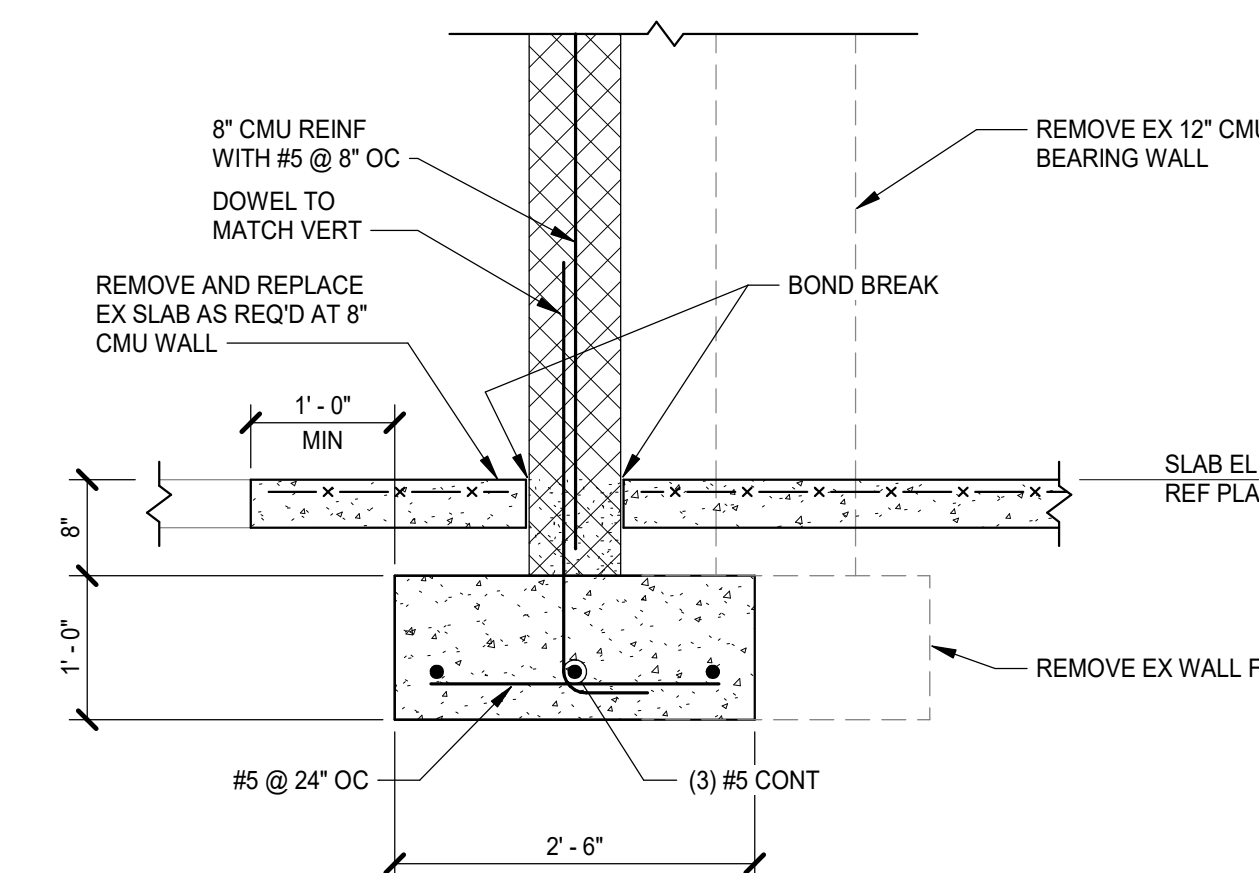
SLAB REPLACEMENT DETAILS
NO SCALE



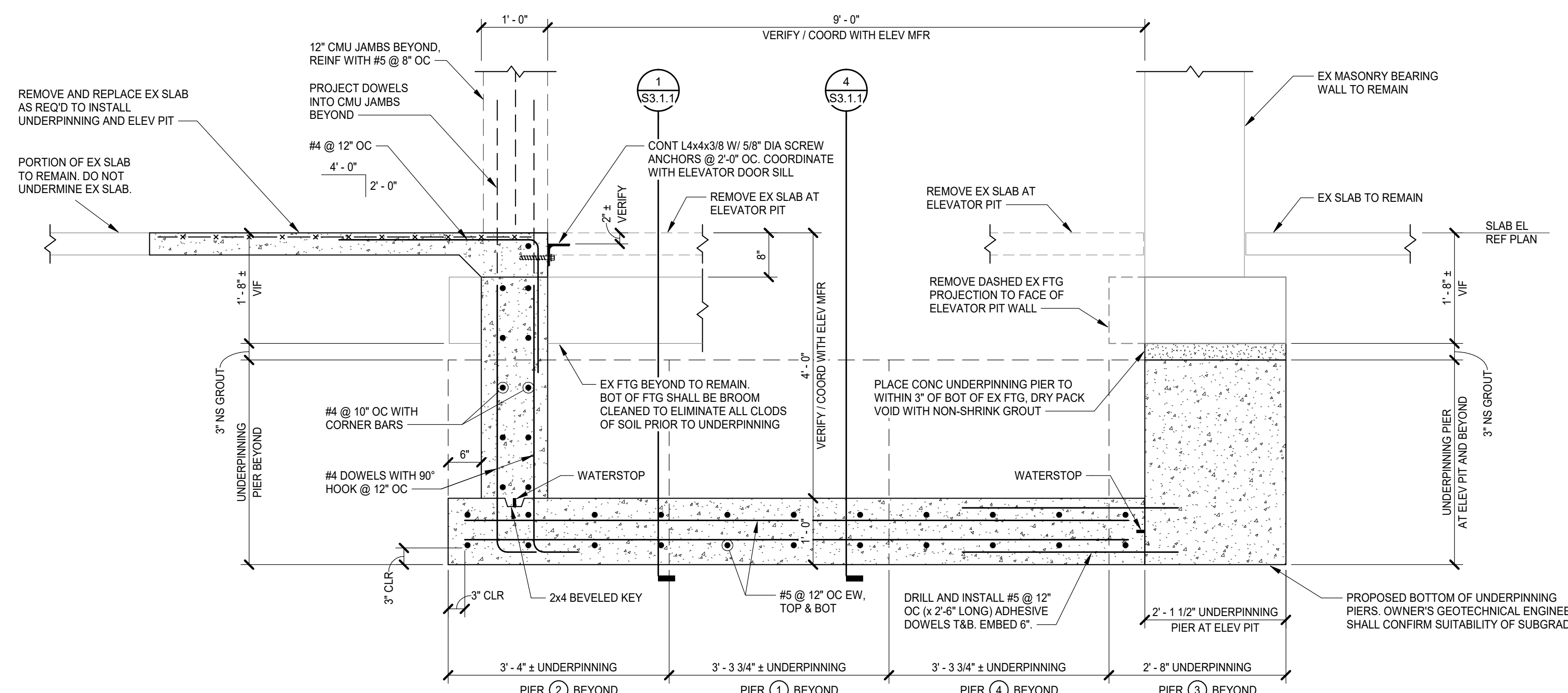
CONCRETE WALL DETAILS



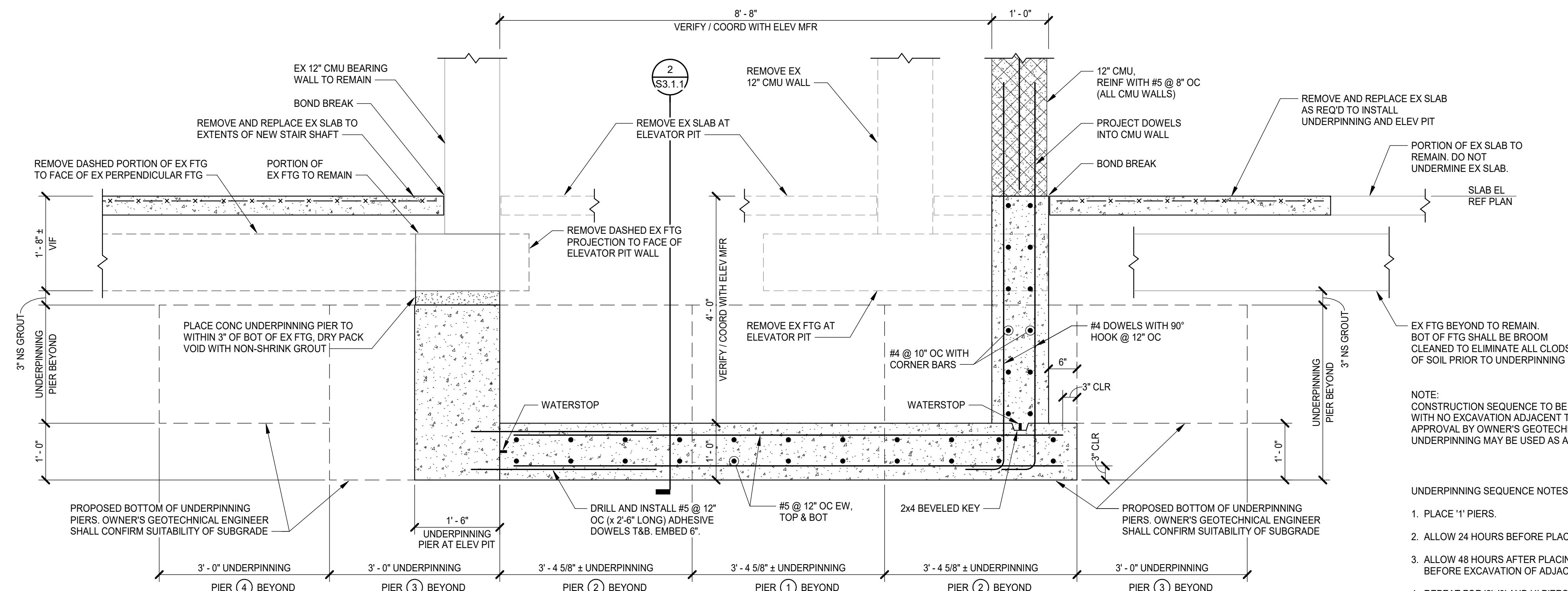
ELEVATOR SUMP PIT DETAIL



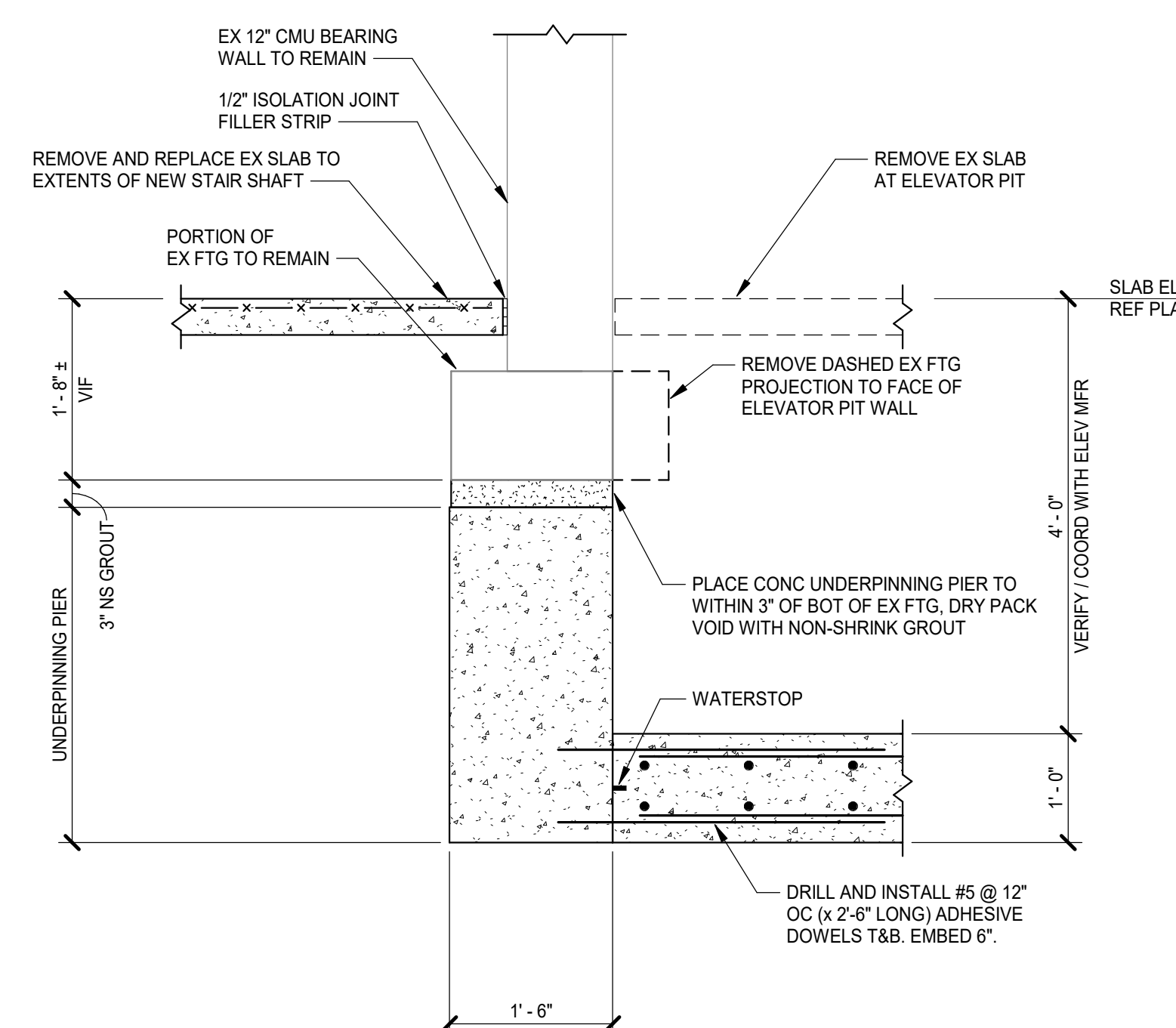
3 FOUNDATION SECTION



2 ELEVATOR PIT SECTION
S1.1 S3.1.1 3/4" = 1'-0"



4 ELEVATOR PIT SECTION



1 ELEVATOR PIT SECTION

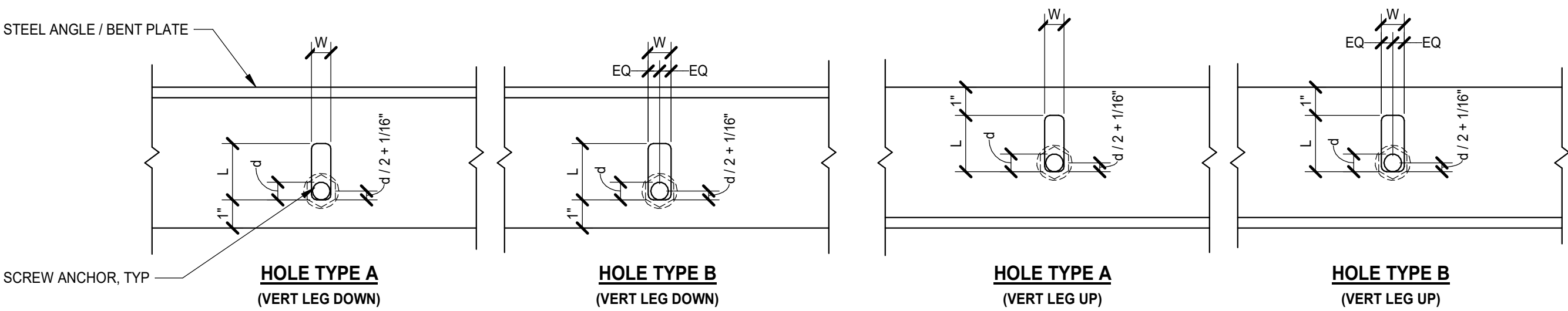
NOTE:
CONSTRUCTION SEQUENCE TO BE '1' THEN '2' THEN '3' THEN '4'
WITH NO EXCAVATION ADJACENT TO PREVIOUS SECTION UNTIL
APPROVAL BY OWNER'S GEOTECHNICAL ENGINEER.
UNDERPINNING MAY BE USED AS A SIDE FORM.

UNDERPINNING SEQUENCE NOTES:

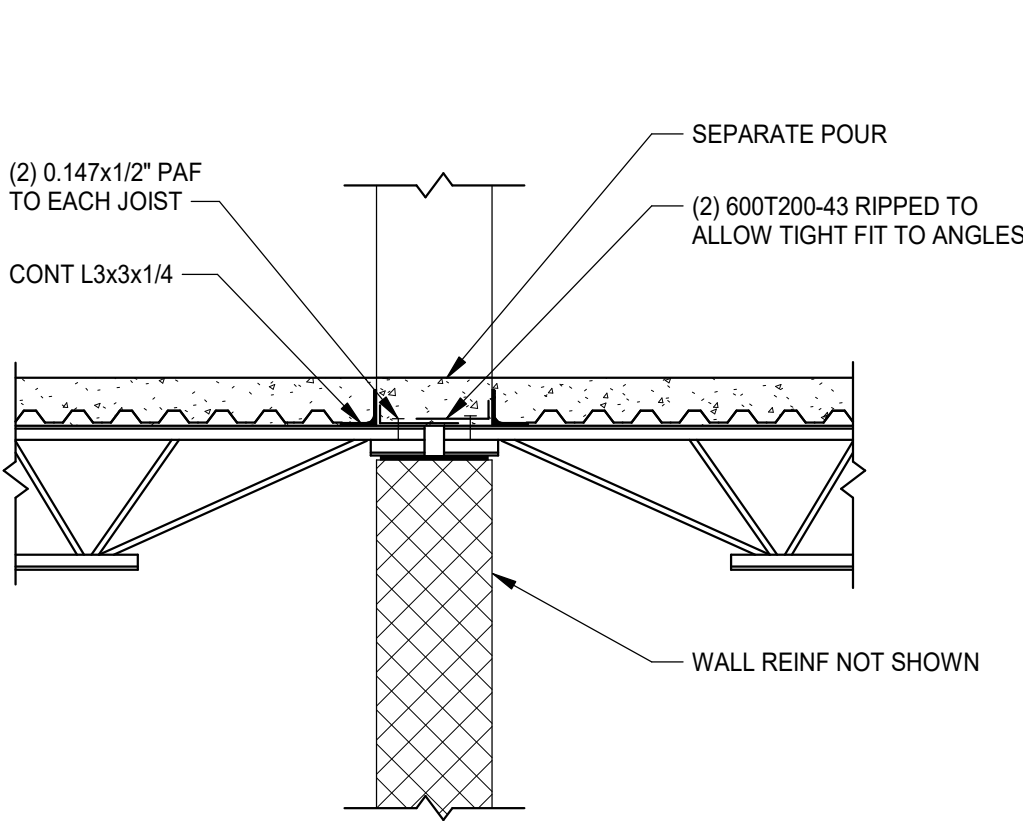
1. PLACE '1' PIERS.
2. ALLOW 24 HOURS BEFORE PLACING NON-SHRINK GROUT
3. ALLOW 48 HOURS AFTER PLACING NON-SHRINK GROUT BEFORE EXCAVATION OF ADJACENT '2' PIERS.
4. REPEAT FOR '2', '3' AND '4' PIERS.

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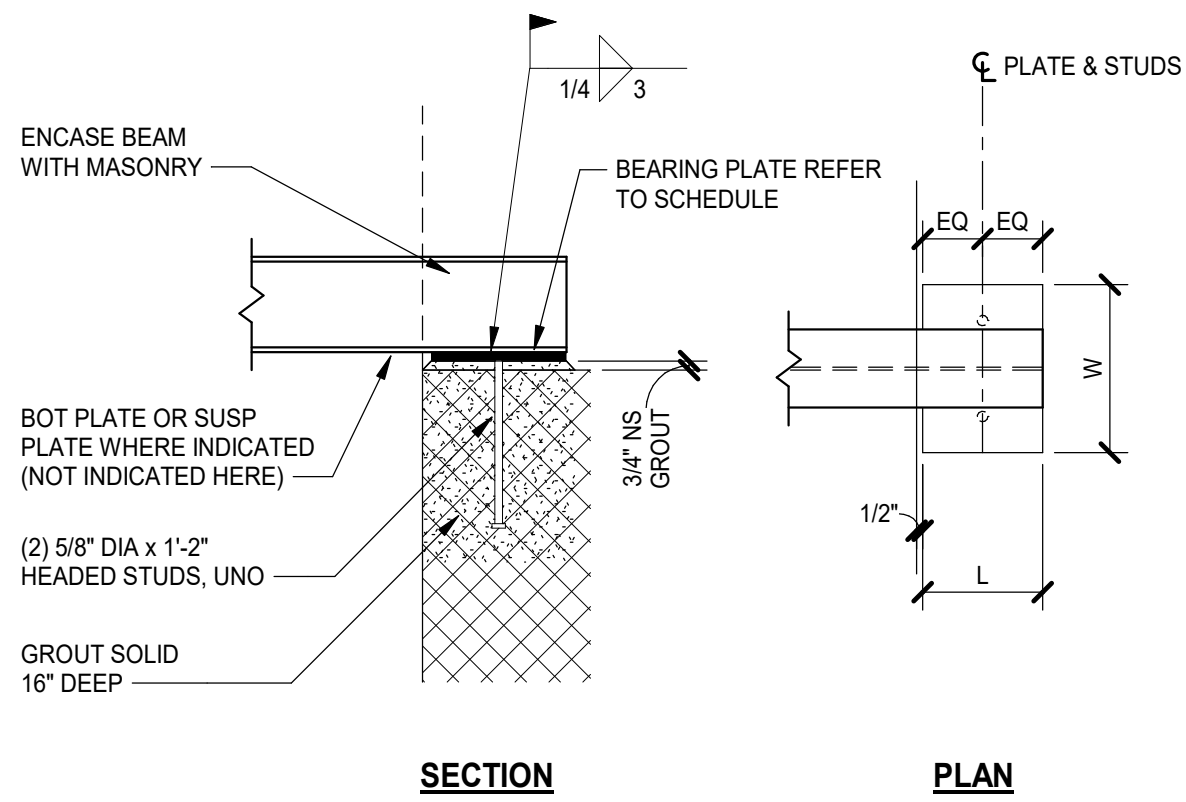
SCREW ANCHOR HOLE SCHEDULE						
	STANDARD	OVERSIZED	HOLE TYPE A		HOLE TYPE B	
ANCHOR DIA	DIAMETER (in)	DIAMETER (in)	W (in)	L (in)	W (in)	L (in)
3/8"	7/16	9/16	7/16	2	9/16	2
1/2"	9/16	11/16	9/16	2	11/16	2
5/8"	11/16	13/16	11/16	2	13/16	2
3/4"	13/16	15/16	13/16	2 1/4	15/16	2 1/4
NOTES	STANDARD HOLES, UNO	BACK SCREW ANCHORS OFF 1/2 TURN AFTER TIGHTENING				



SCREW ANCHOR HOLE INSTALLATION DETAILS
NO SCALE

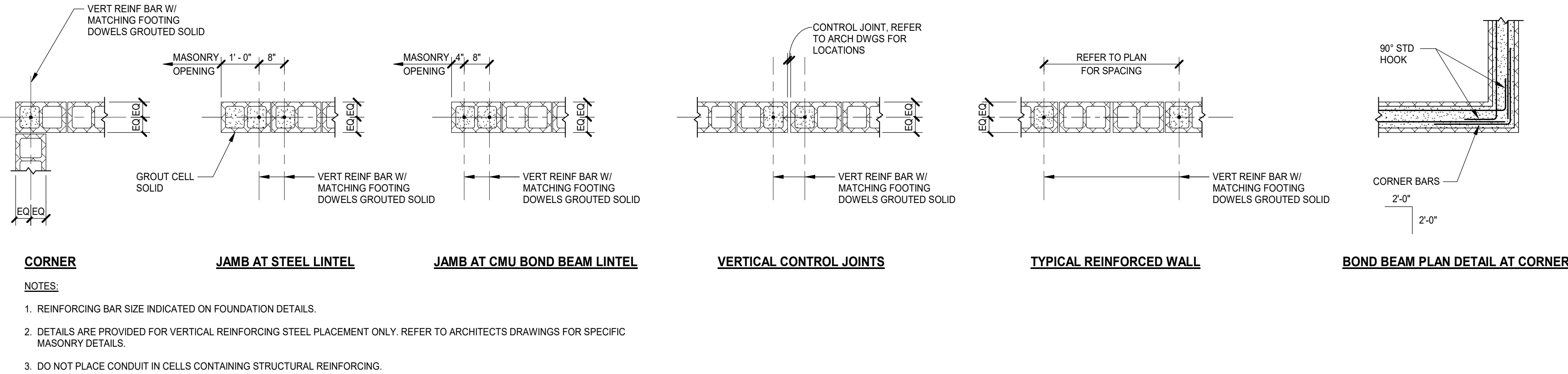


INFILL SLAB AT CORRIDOR OPENINGS
NO SCALE



BEAM ANCHORAGE DETAILS
NO SCALE

BEARING PLATE SCHEDULE				
MARK	SIZE			REMARKS
	W	L	L	
BP1	9"	3/4"	7"	
BP2	9"	3/4"	9"	
BP3	9"	3/4"	11"	
BP4	12"	1"	11"	
BP5	16"	1 1/4"	11"	
REFER TO BEAM ANCHORAGE DETAILS				



CMU WALL REINFORCING DETAILS
NO SCALE

LINTEL SCHEDULE					
MARK	DIAGRAM	BOND BEAM (W x H)	REINFORCING	STEEL	NOTES
L1		8 x 8	(2) #5 CONT		
L2				W16x36	BP1 AT EACH END
L3				W8x24 W/ 5/16" x 1'-1" BOTTOM PLATE	BP1 AT EACH END
L4		12 x 8	(2) #5 CONT		

LINTEL NOTES

1. LINTELS FOR ARCHITECTURAL OPENINGS (WINDOWS, DOORS, LOUVERS) IN BEARING WALLS AND EXTERIOR WALLS ARE IDENTIFIED BY MARK NUMBER ON THE FRAMING PLAN(S) AND INCLUDED IN THE LINTEL SCHEDULE.

2. LINTELS FOR ARCHITECTURAL OPENINGS IN NON-LOAD BEARING WALLS AND OTHER WALLS WHICH ARE NOT INDICATED ON THE FRAMING PLAN(S) SHALL BE CONSTRUCTED PER NOTES A, B OR C BELOW.

A. STEEL ANGLE LINTELS

PROVIDE ONE ANGLE FOR EACH NOMINAL 4" OF WALL THICKNESS PER THE FOLLOWING SCHEDULE.

MASONRY OPENING	ANGLE SIZE
UP TO 5'-0"	L3 1/2x3 1/2x 5/16
5'-1" TO 6'-0"	L4x3 1/2x 5/16 (LLV)
6'-1" TO 7'-0"	L5x3 1/2x 3/8 (LLV)
OVER 7'-0"	AS DETAILED

FOR OPENINGS IN 10" CMU, HORIZONTAL LEGS OF ANGLES SHALL BE A COMBINATION OF 5" AND 4".

FOR OPENINGS IN 6" CMU REQUIRING STEEL LINTELS, USE WT7x11 UP TO 7'-0" OPENING.

B. REINFORCED BOND BEAM LINTELS

LINTELS SHALL MATCH THICKNESS OF WALL. REINFORCE 8", 10" AND 12" BOND BEAM WITH (2) #5 BARS AT BOTTOM. REINFORCE 6" BOND BEAM WITH (1) #5 BAR AT BOTTOM. BOND BEAM SHALL BE 8" DEEP FOR OPENING WIDTH UP TO 5'-0", AND SHALL BEAR 8" ON SOLID MASONRY EACH END. BOND BEAM SHALL BE 16" DEEP FOR OPENING WIDTH UP TO 6'-0" AND SHALL BEAR 16" ON SOLID MASONRY EACH END WITH REINFORCING TOP AND BOTTOM. PLACE GROUT MONOLITHICALLY IN BOTH COURSES OF 16" DEEP BOND BEAM.

C. PRECAST CONCRETE LINTELS

PRECAST CONCRETE LINTELS SHALL BE 3 5/8" x 7 5/8" FOR EACH NOMINAL 4" THICKNESS OF WALL. REINFORCING SHALL BE (1) #4 TOP AND BOTTOM WITH 1 1/2" COVER. FOR OPENINGS IN 6" CMU LINTEL SHALL BE 5 5/8" x 7 5/8", REINFORCED WITH (1) #5 TOP AND BOTTOM. MASONRY OPENING WIDTH SHALL BE 6'-0" OR LESS. DO NOT USE PRECAST CONCRETE LINTELS IN EXPOSED LOCATIONS.

3. LINTELS FOR MECHANICAL DUCTWORK PENETRATIONS NOT OTHERWISE DETAILED SHALL BE ONE OF THE ABOVE (NOTE 2A, 2B OR 2C).

4. LINTELS SHALL BEAR 8" ONTO SOLID OR GROUT FILLED MASONRY, UNLESS OTHERWISE INDICATED.

5. LINTELS ARE REQUIRED OVER ALL MASONRY OPENINGS GREATER THAN 6" IN WIDTH.

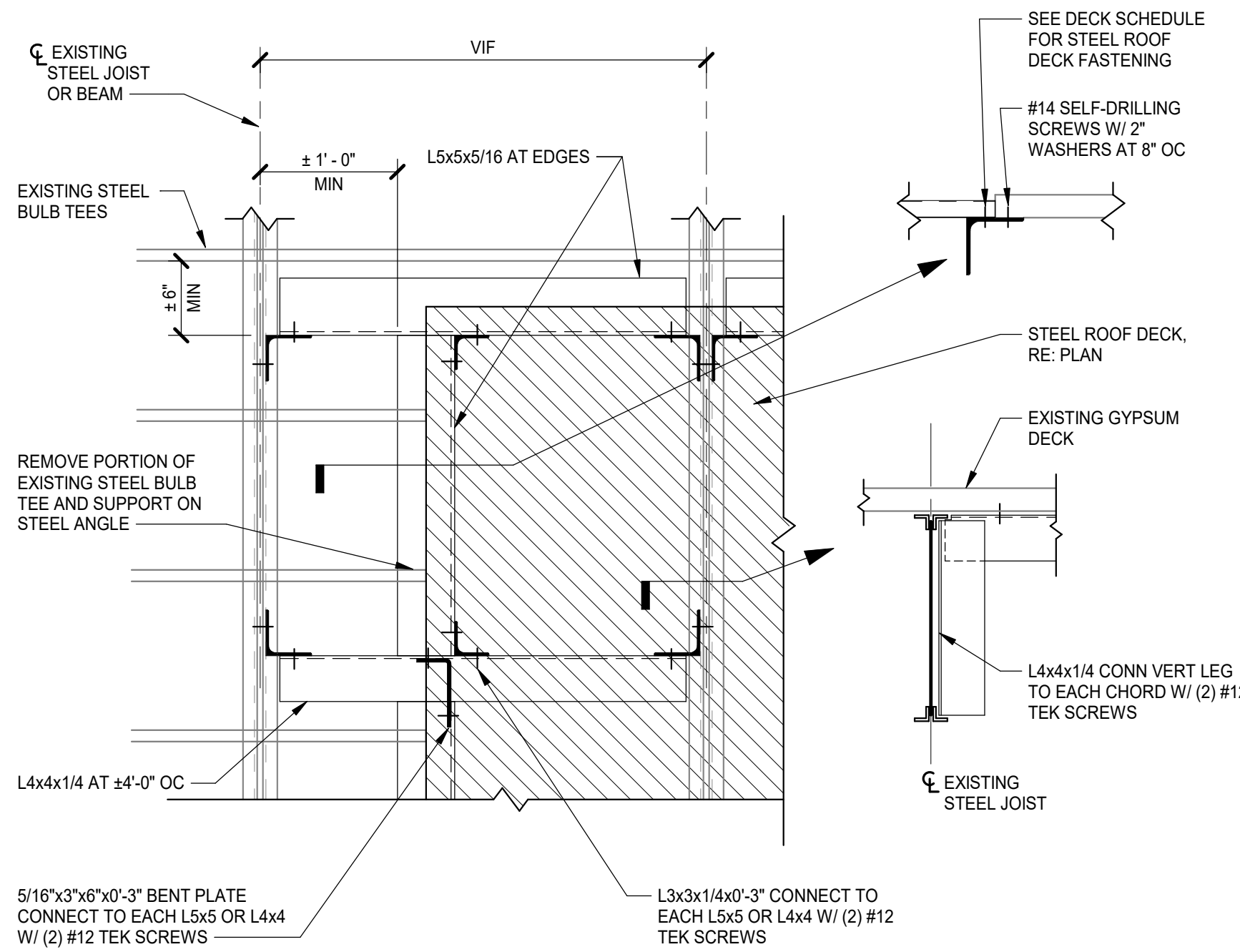
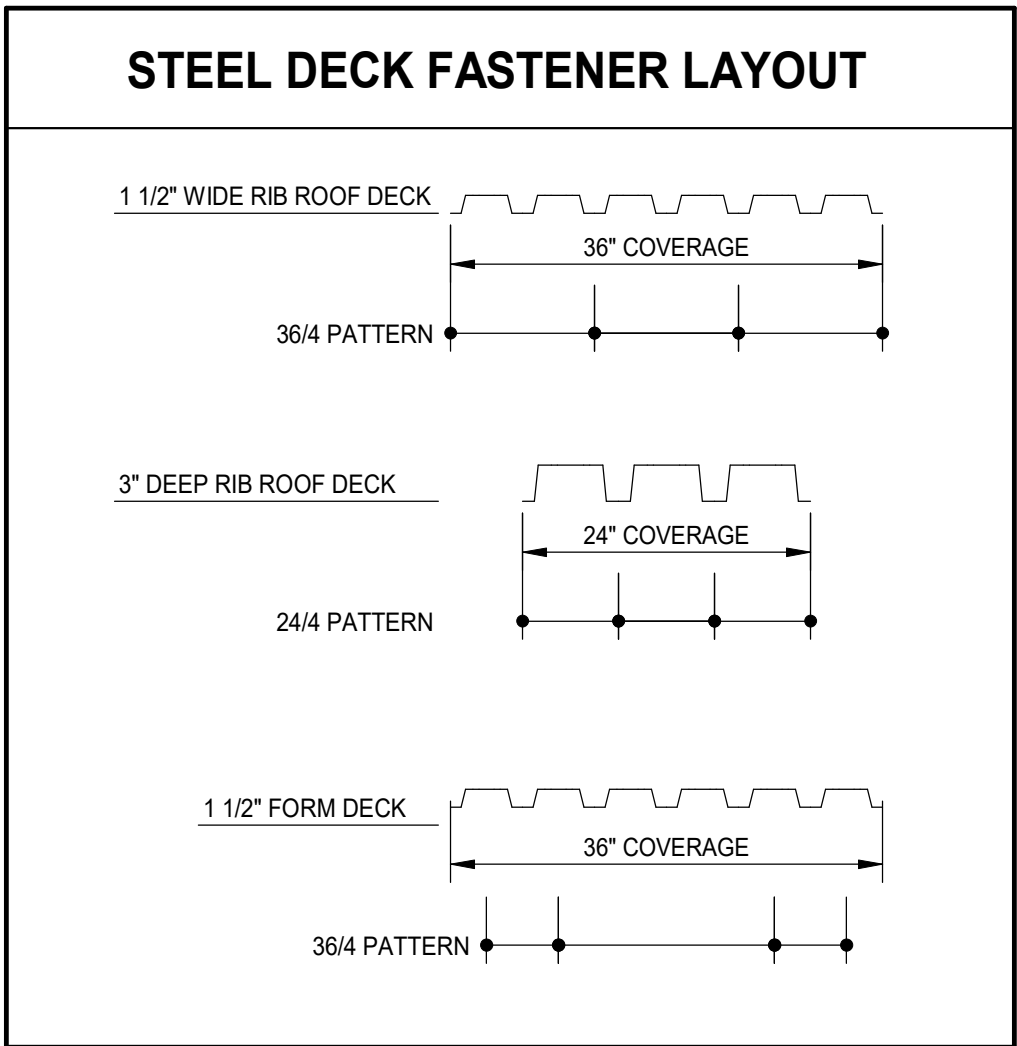
6. LINTELS ARE NOT REQUIRED ABOVE HOLLOW METAL FRAMES IN OPENINGS 3'-4" OR LESS IN 6" NON-BEARING MASONRY PARTITIONS. GROUT HEAD OF FRAMES SOLID BEFORE PLACING MASONRY.

7. ALL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.

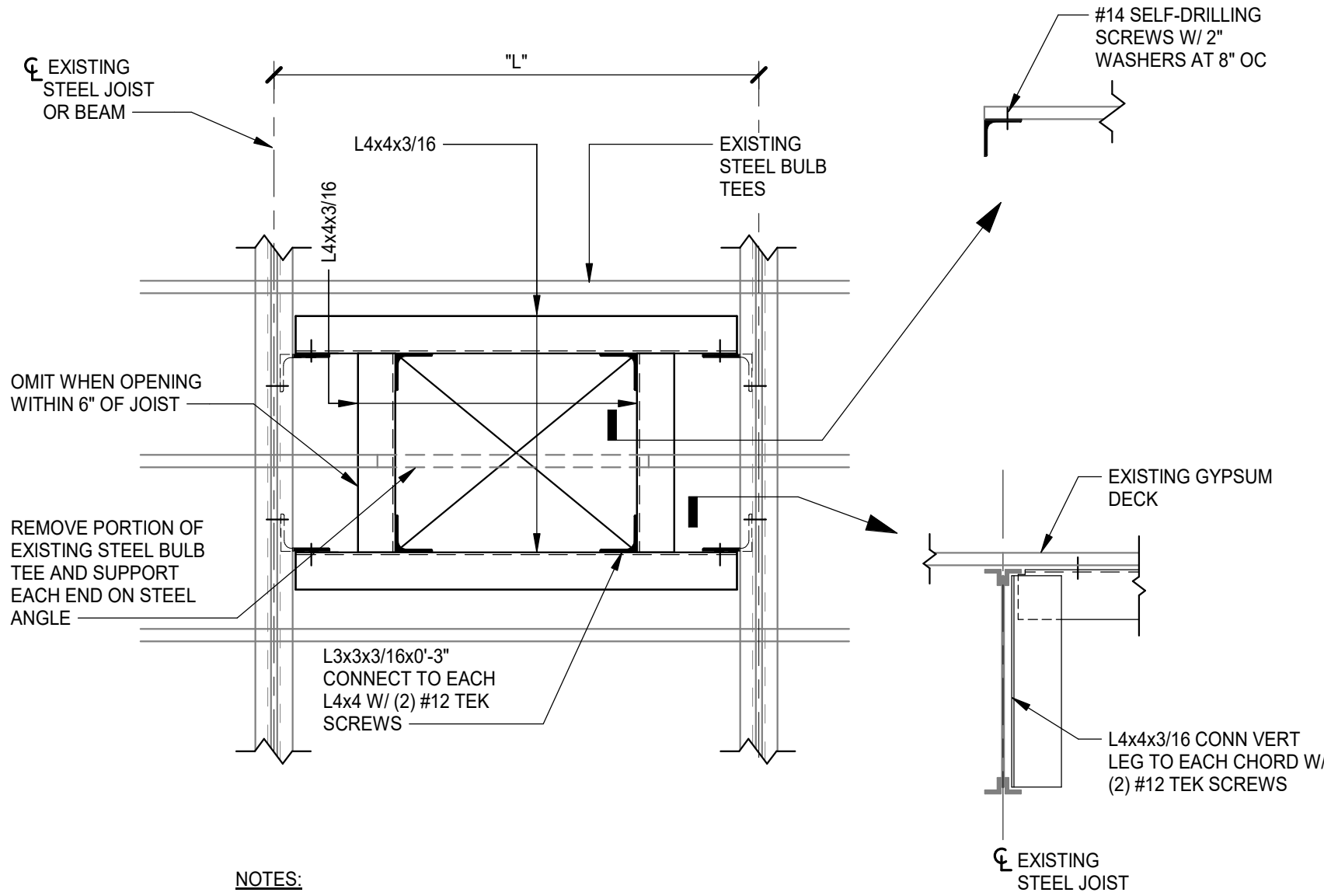


PROJECT NO: 623324
DATE: 10/1/2025
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STEEL DECK SCHEDULE		
DECK TYPE 1	1 1/2" - 20 GAGE WIDE RIB ROOF DECK, GALVANIZED	FASTEN TO ALL SUPPORTS WITH #12 TEK SCREWS AT 36/4 PATTERN, AND AT 6" OC AT ALL EDGES AND END LAPS. FASTEN SIDELAPS WITH #10 TEK SCREWS AT MID-SPAN AND NOT GREATER THAN 36" OC. FIELD DRILL HOLES AS REQUIRED.
DECK TYPE 2	3" - 20 GAGE DEEP RIB ROOF DECK, GALVANIZED	FASTEN TO ALL SUPPORTS WITH #12 TEK SCREWS AT 24/4 PATTERN, AND AT 6" OC AT ALL EDGES AND END LAPS. FASTEN SIDELAPS WITH #10 TEK SCREWS AT MID-SPAN AND NOT GREATER THAN 9" OC. FIELD DRILL HOLES AS REQUIRED.
DECK TYPE 3	1 1/2" - 22 GAGE FORM DECK, GALVANIZED	FASTEN TO ALL SUPPORTS USING WELDING WASHERS AT 36/4 PATTERN, AND AT 6" OC AT ALL EDGES. FASTEN SIDELAPS WITH #10 TEK SCREWS AT MID-SPAN AND NOT GREATER THAN 36" OC.

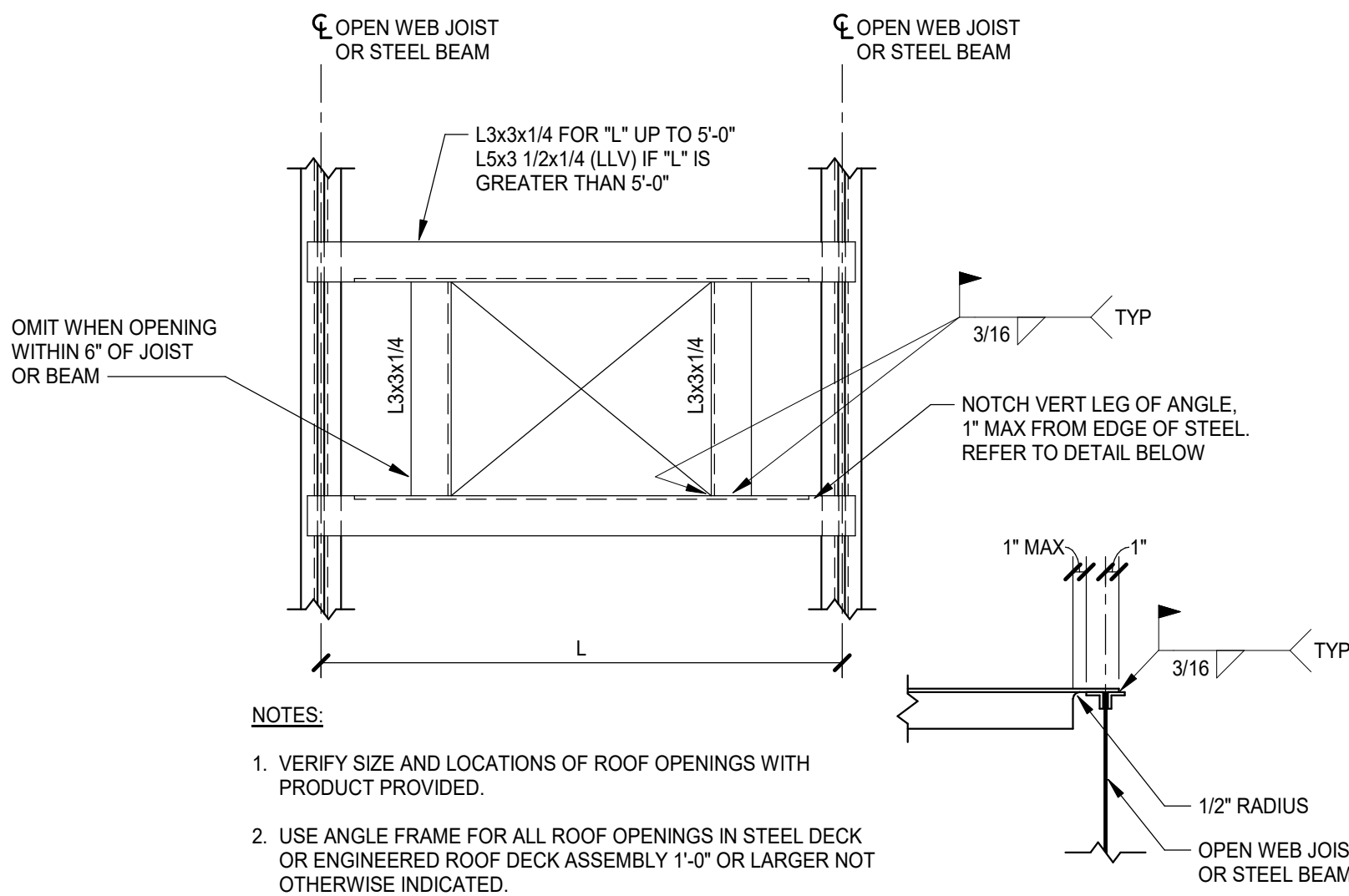


ROOF REPLACEMENT SUPPORT DETAIL AT EXISTING CONSTRUCTION
NO SCALE



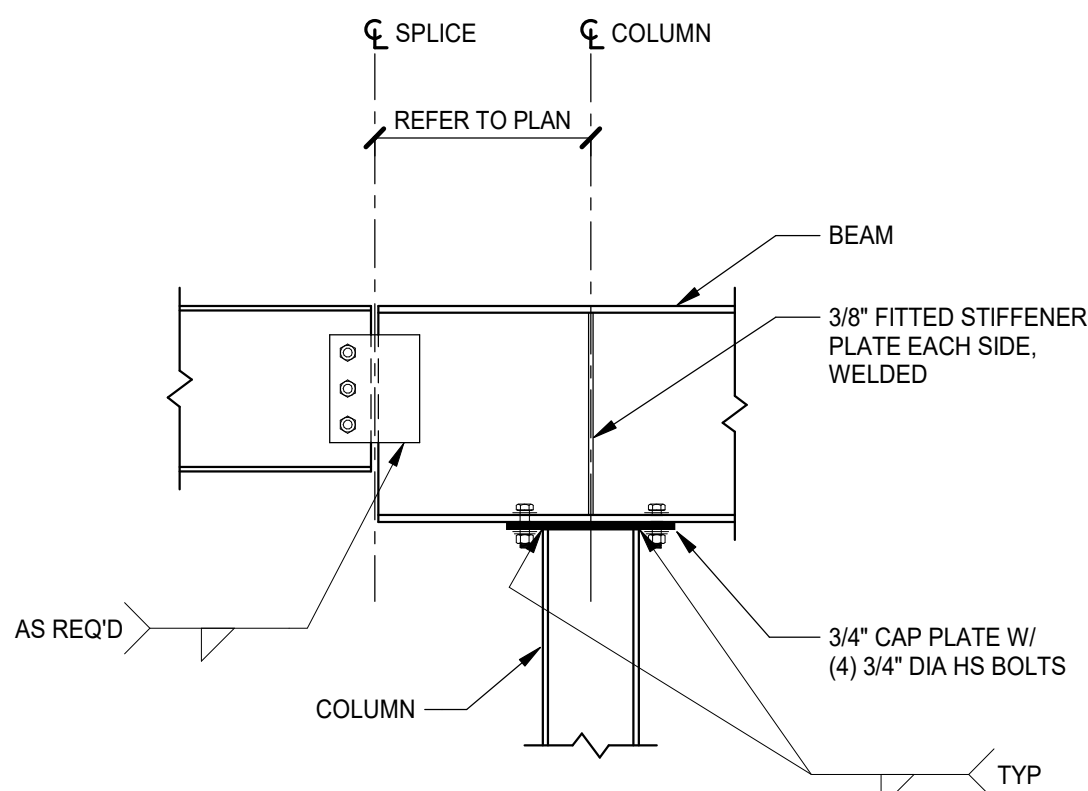
- NOTES:**
1. VERIFY SIZE AND LOCATIONS OF ROOF OPENINGS WITH PRODUCT PROVIDED.
 2. USE ANGLE FRAME FOR ALL ROOF OPENINGS IN ENGINEERED ROOF DECK ASSEMBLY 1'-0" OR LARGER NOT OTHERWISE INDICATED.

ROOF OPENING SUPPORT DETAIL AT EXISTING CONSTRUCTION
NO SCALE

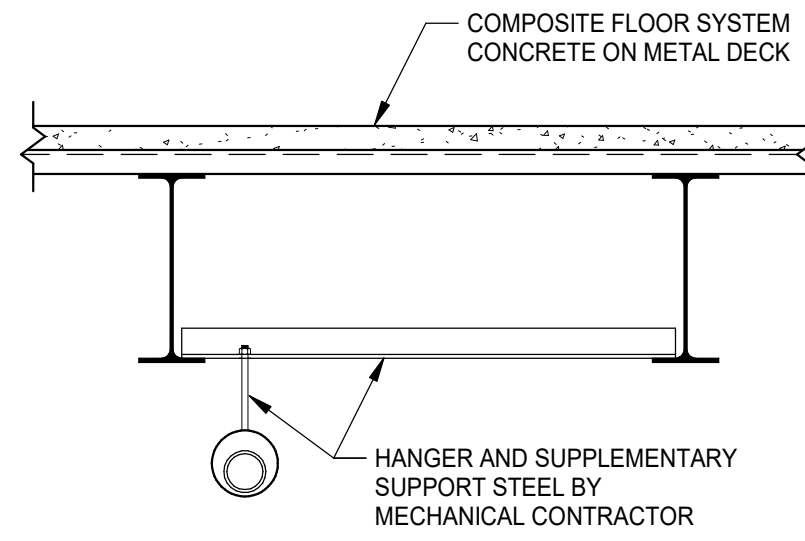


- NOTES:**
1. VERIFY SIZE AND LOCATIONS OF ROOF OPENINGS WITH PRODUCT PROVIDED.
 2. USE ANGLE FRAME FOR ALL ROOF OPENINGS IN STEEL DECK OR ENGINEERED ROOF DECK ASSEMBLY 1'-0" OR LARGER NOT OTHERWISE INDICATED.

ROOF OPENING SUPPORT DETAIL
NO SCALE

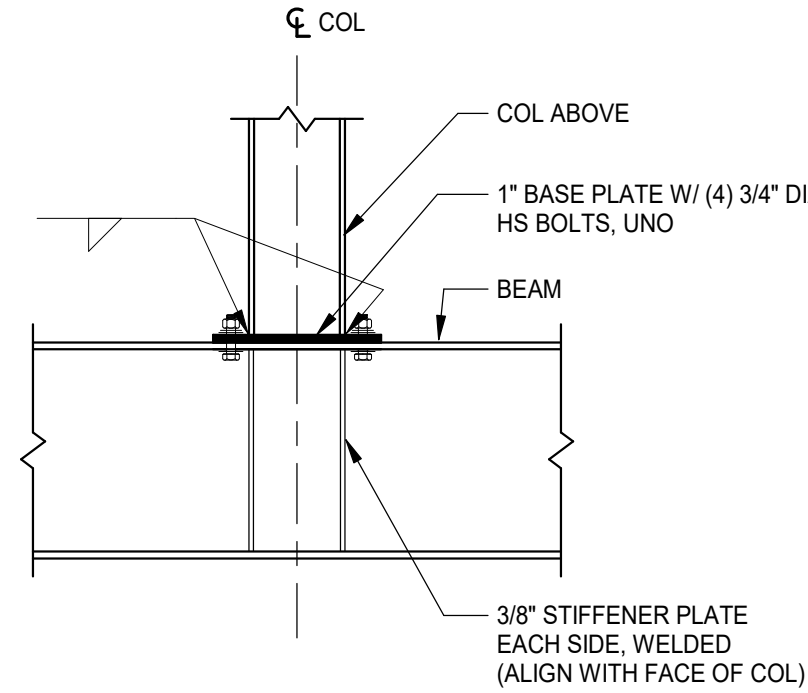


BEAM SPLICE OVER COLUMN
NO SCALE

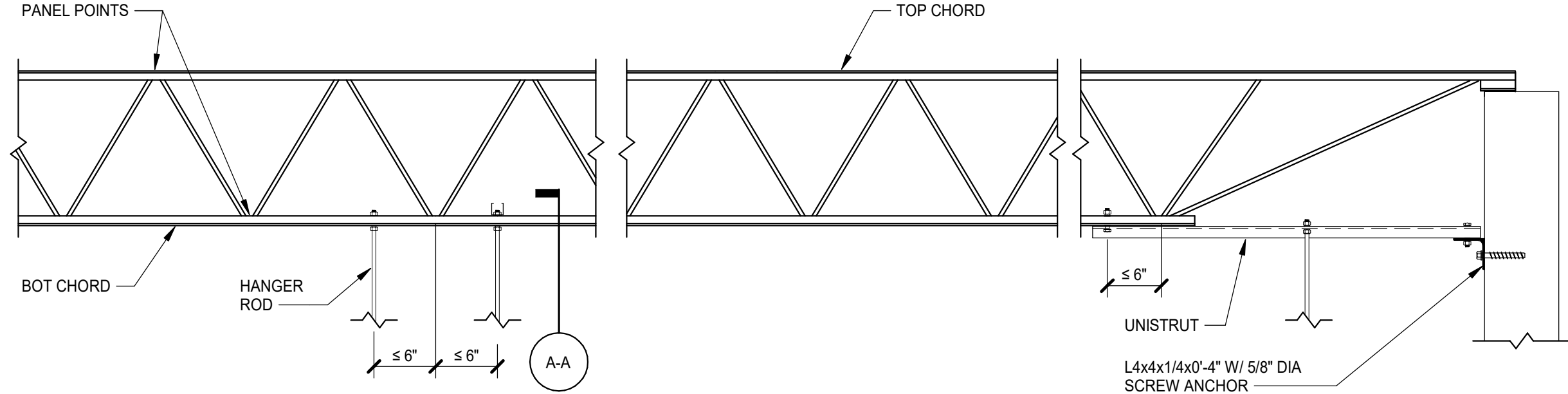


- NOTES:**
1. USE SUPPLEMENTAL SUPPORT STEEL FOR 5" DIA PIPE AND LARGER EXCEPT FOR 6" DIA ROOF LEADER.
 2. IF SUPPLEMENTARY STEEL IS NOT IN PLACE BEFORE SPRAY FIREPROOFING, REPAIR OF DAMAGED FIREPROOFING IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

BEAM SUPPORTED UTILITY HANGER
NO SCALE



COLUMN ON BEAM
3/4" = 1'-0"



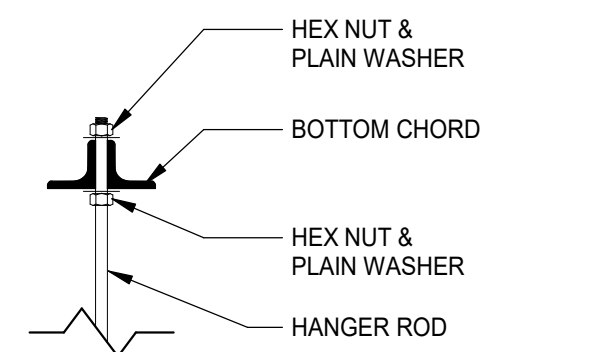
EXISTING STEEL JOISTS:

1. WHERE UTILITIES RUN PARALLEL TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD (IF DIRECTLY BELOW JOIST), OR UNISTRUT REACTION (IF PIPE IS BETWEEN JOISTS) DOES NOT EXCEED 100 LBS.
2. WHERE UTILITIES RUN PERPENDICULAR TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD DOES NOT EXCEED 100 LBS.
3. WHERE MULTIPLE HANGERS ARE LOCATED BETWEEN PANEL POINTS, THE CUMULATIVE LOAD SHALL NOT EXCEED 100 LBS.

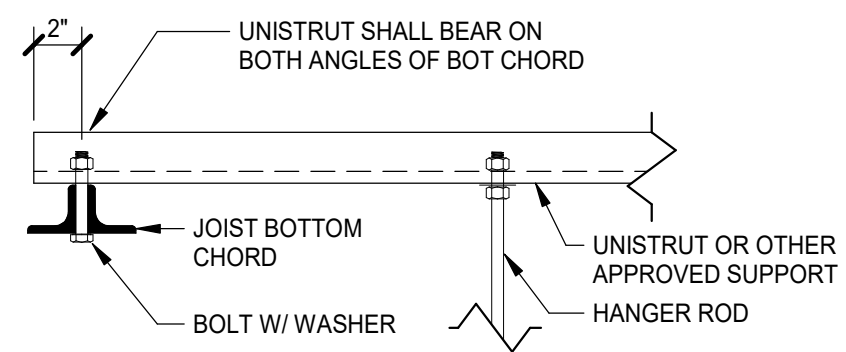
GENERAL:

1. C-CLAMPS SHALL NOT BE USED WHERE HANGER LOAD EXCEEDS 50 LBS.

NOTE:
THE GENERAL CONTRACTOR SHALL COORDINATE THESE REQUIREMENTS FOR HANGER SPACING WITH MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION TRADES IN ORDER TO ENSURE THAT THESE REQUIREMENTS ARE ACCOUNTED FOR IN THE BID PRICE AND IMPLEMENTED IN THE FIELD.



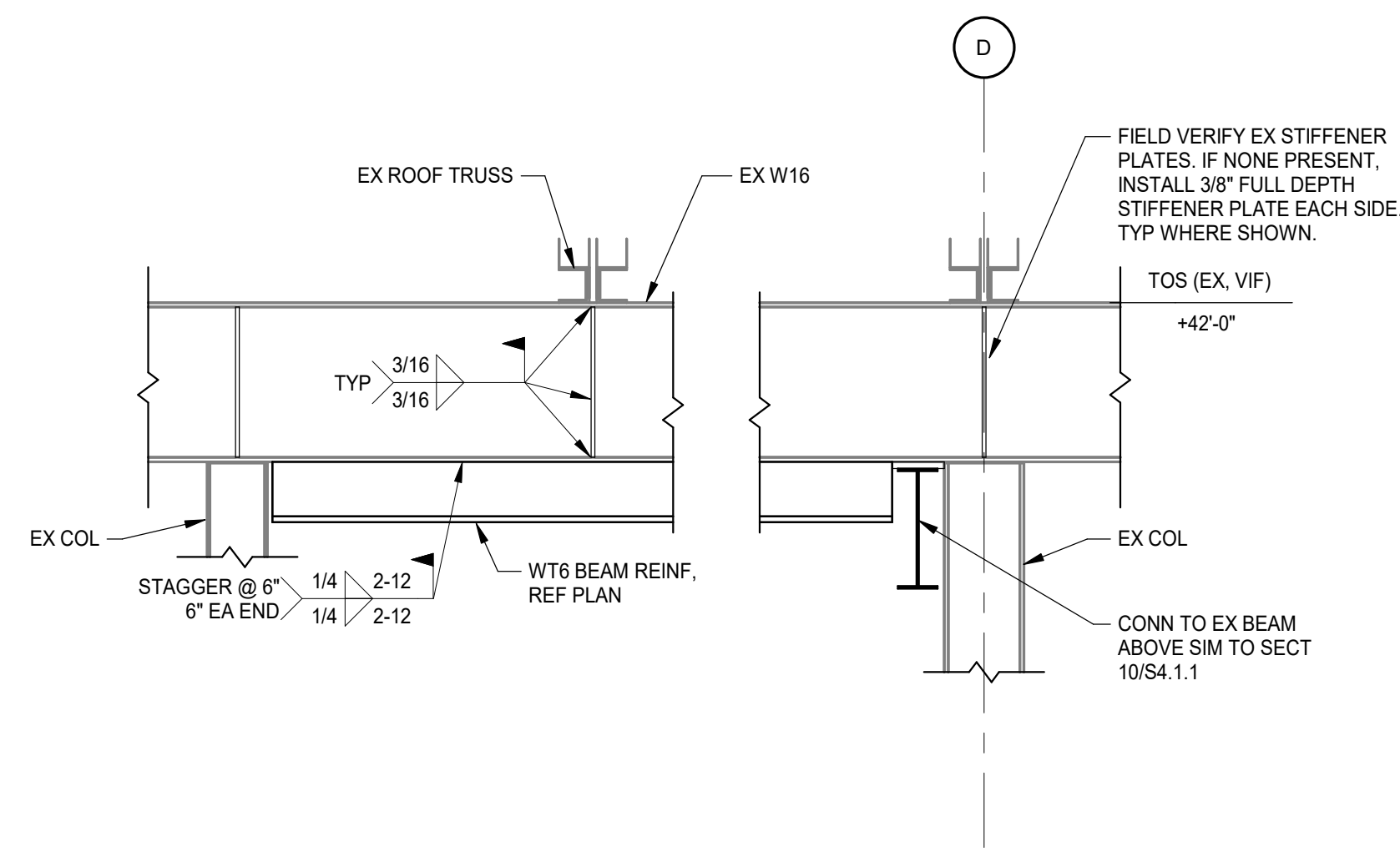
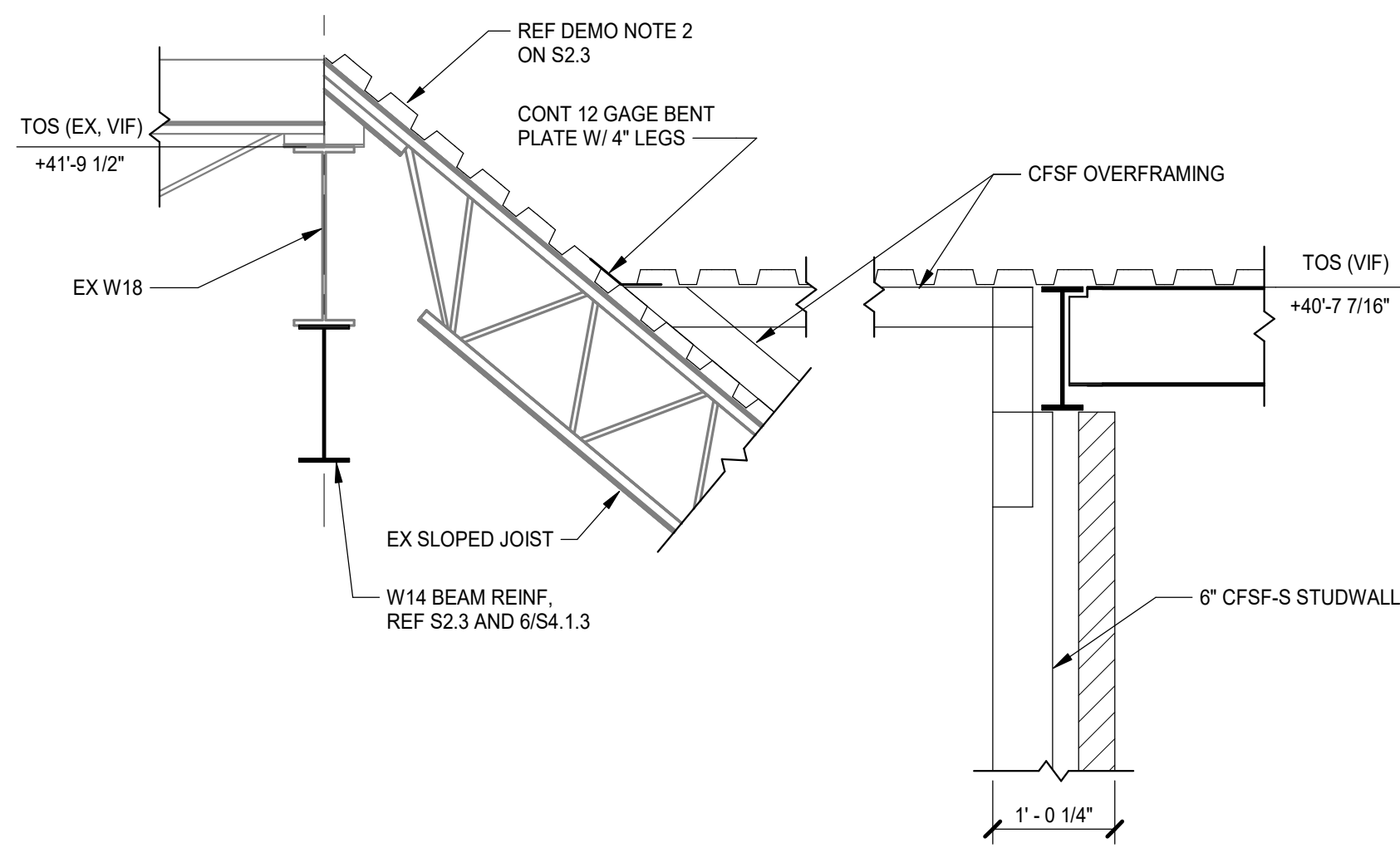
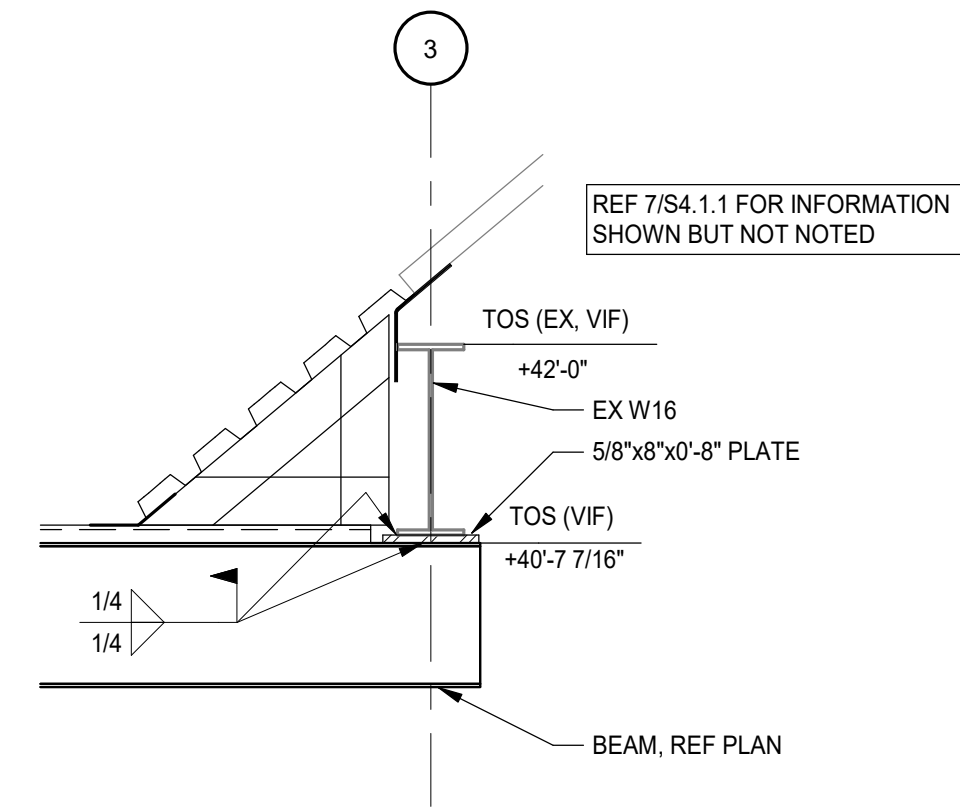
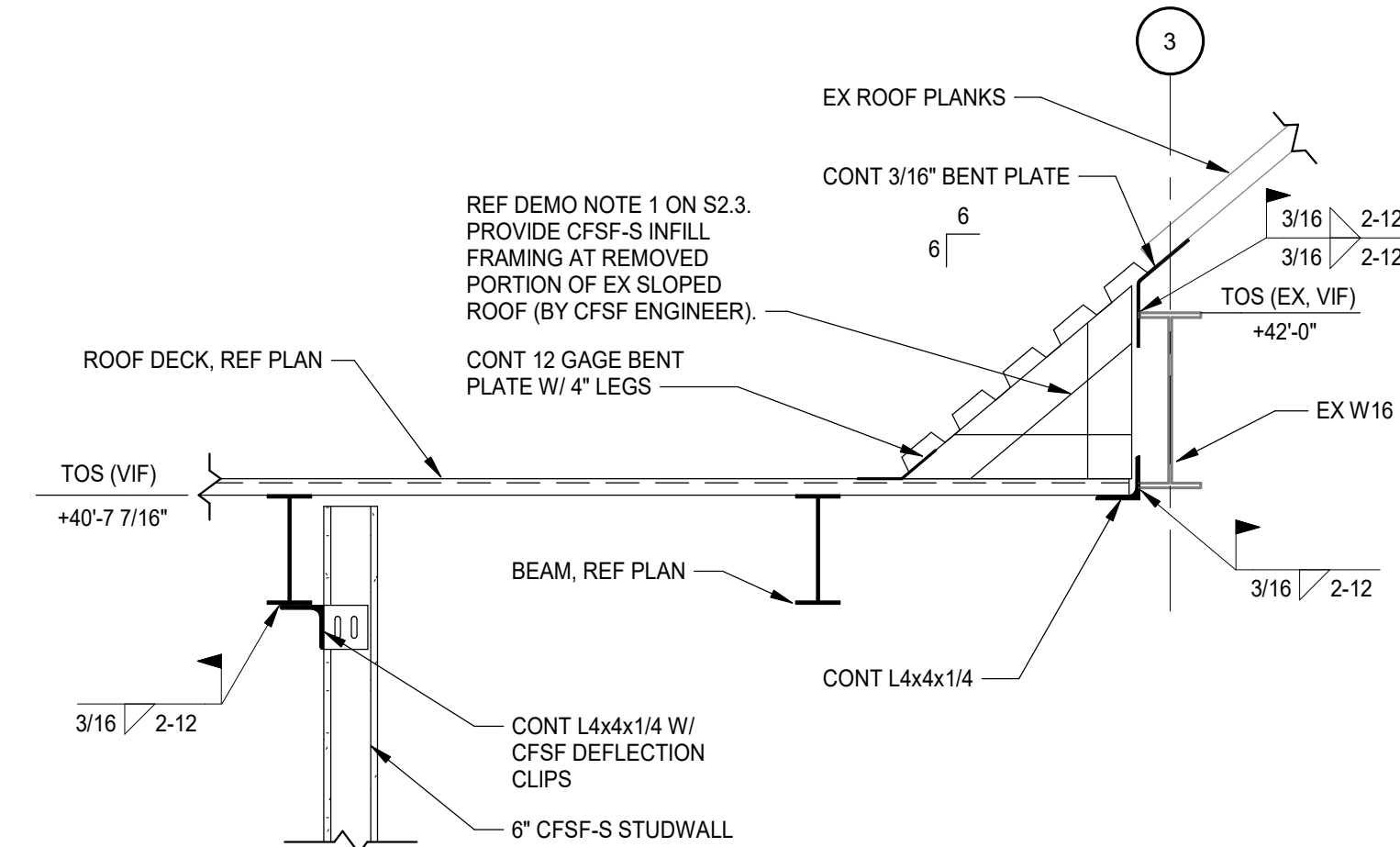
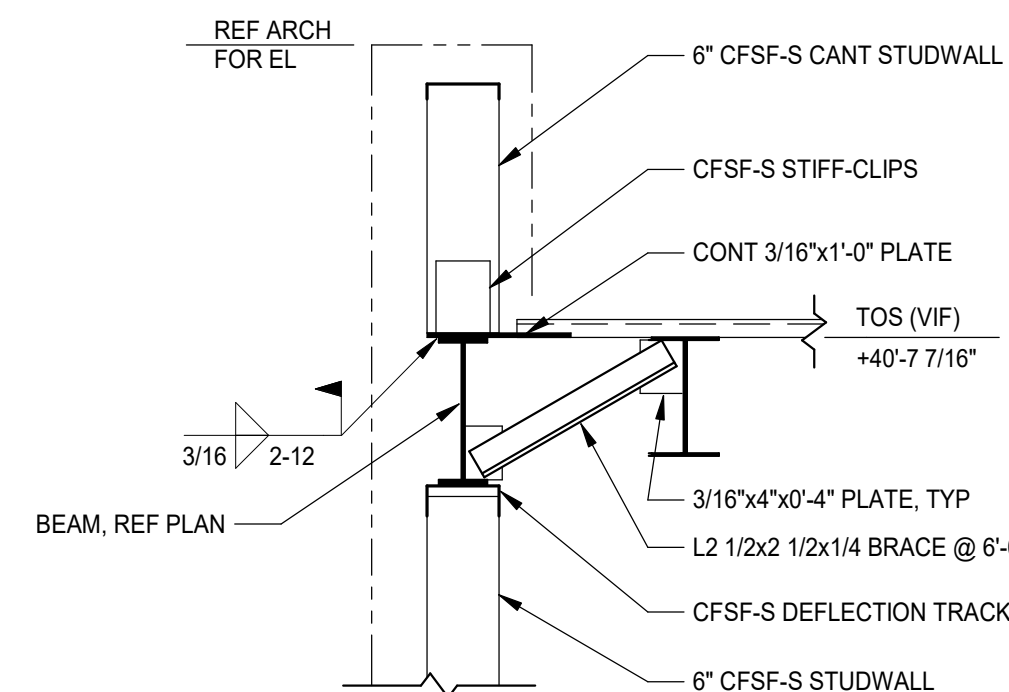
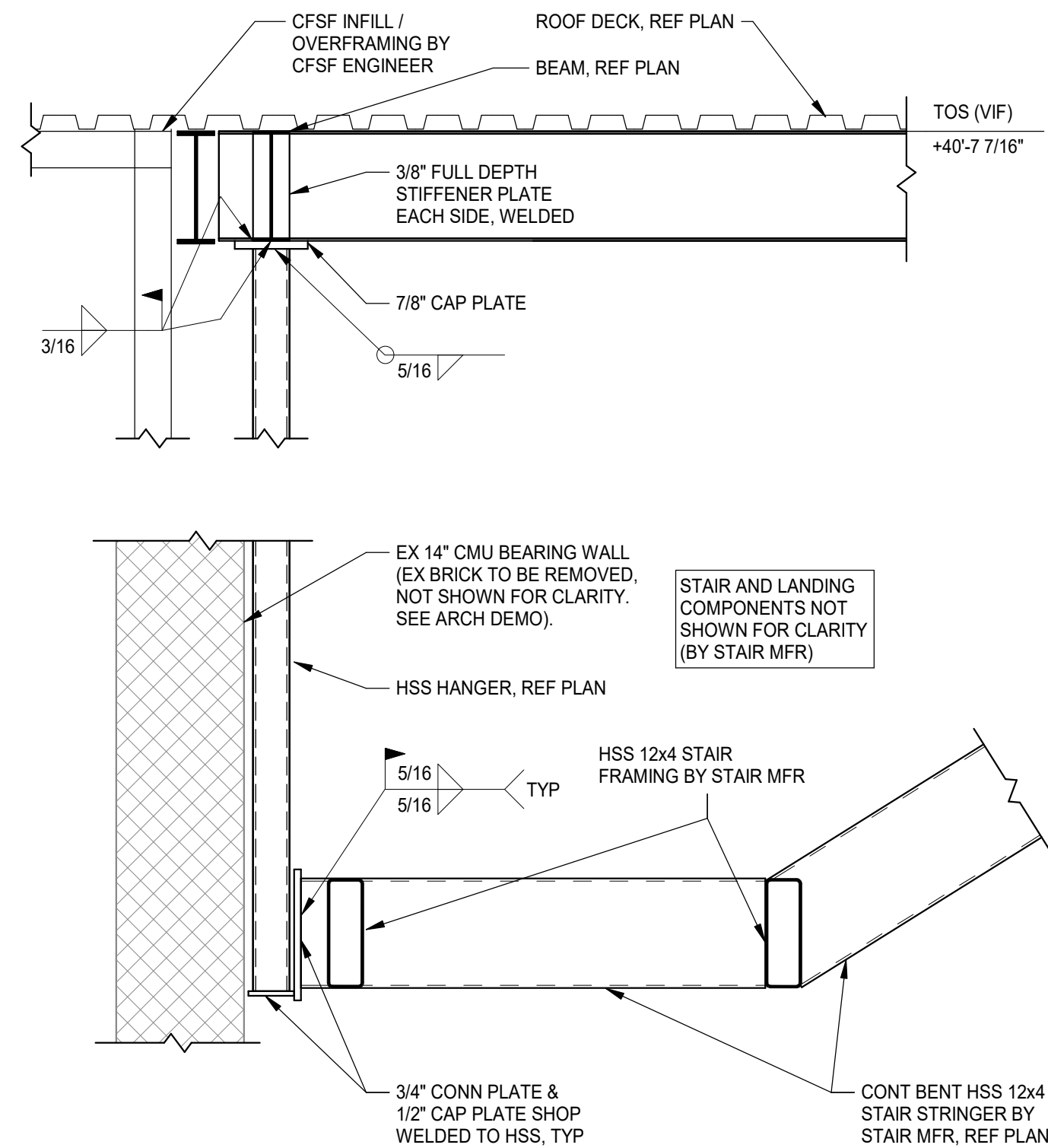
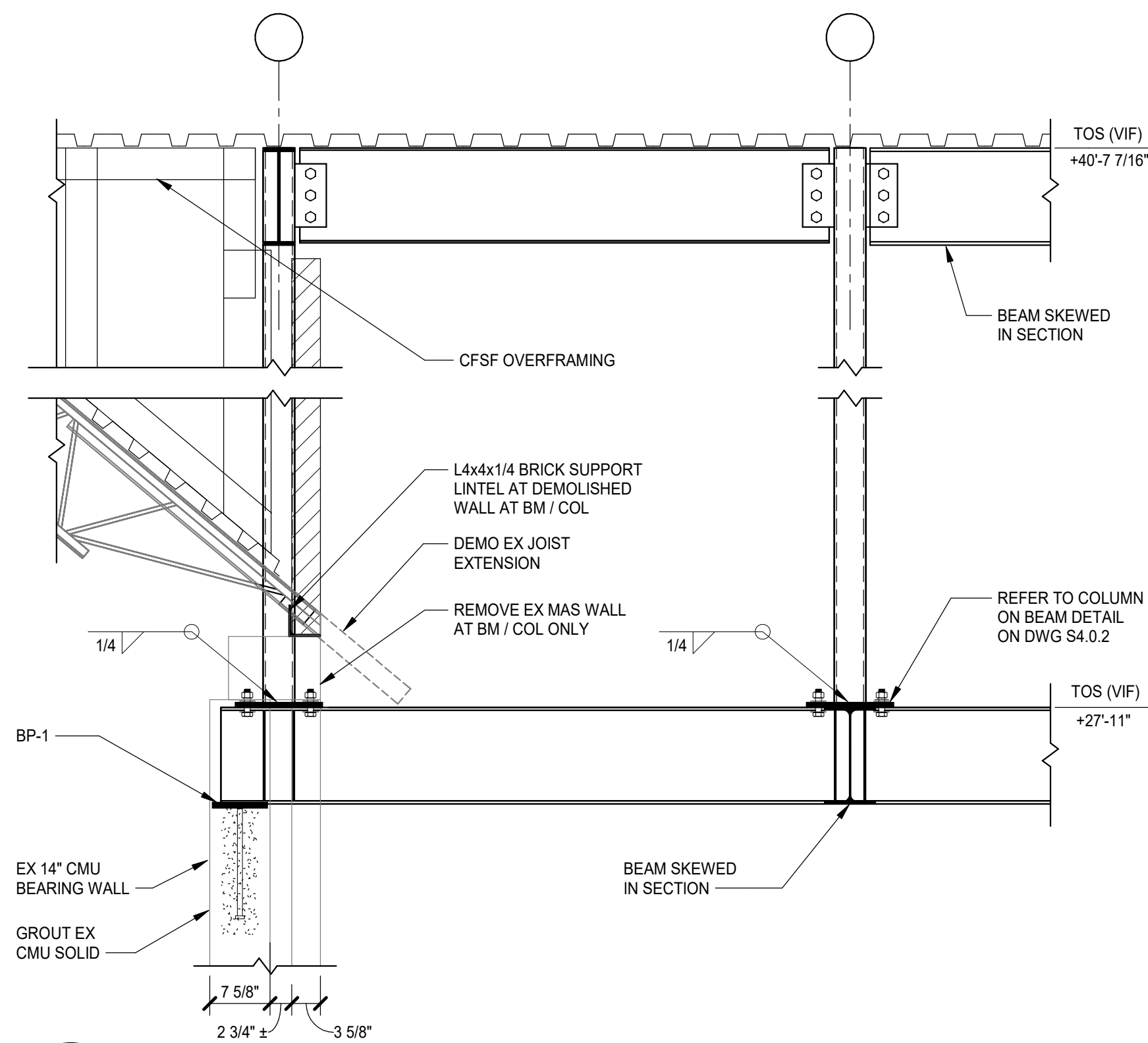
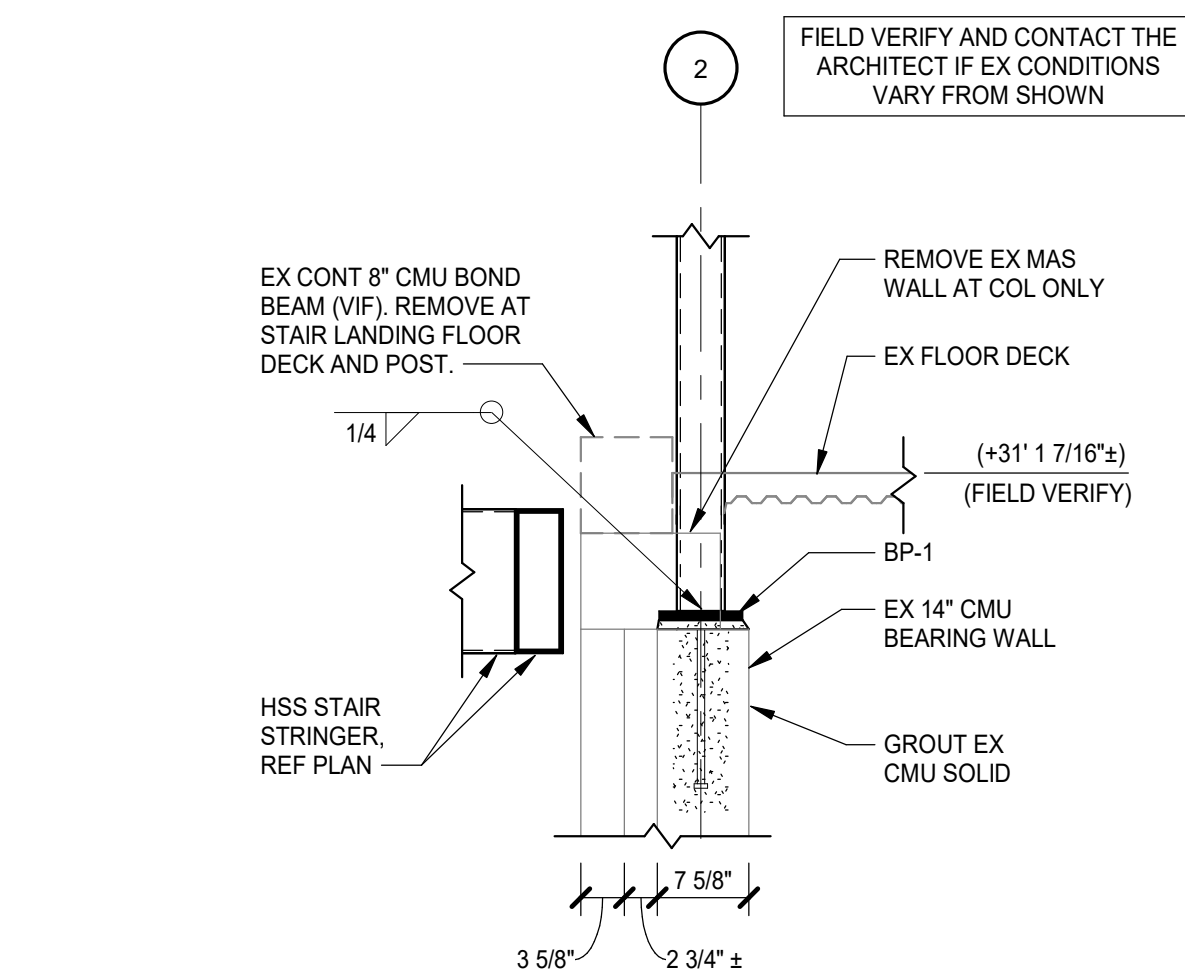
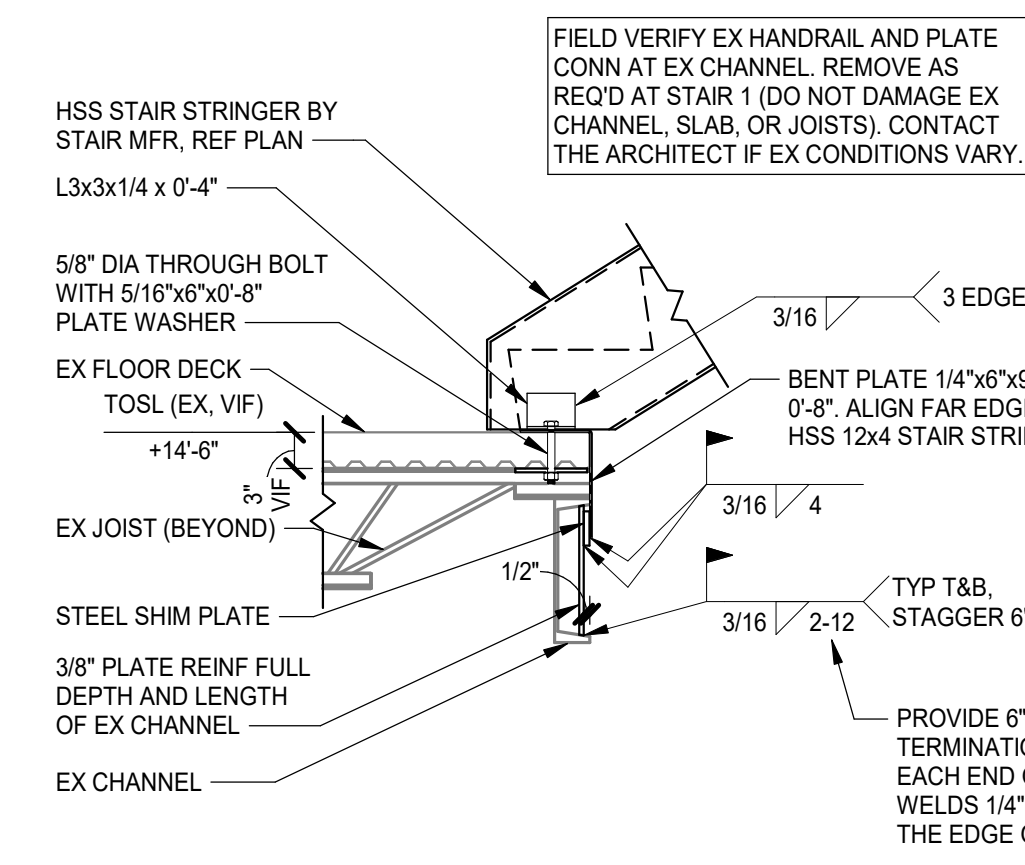
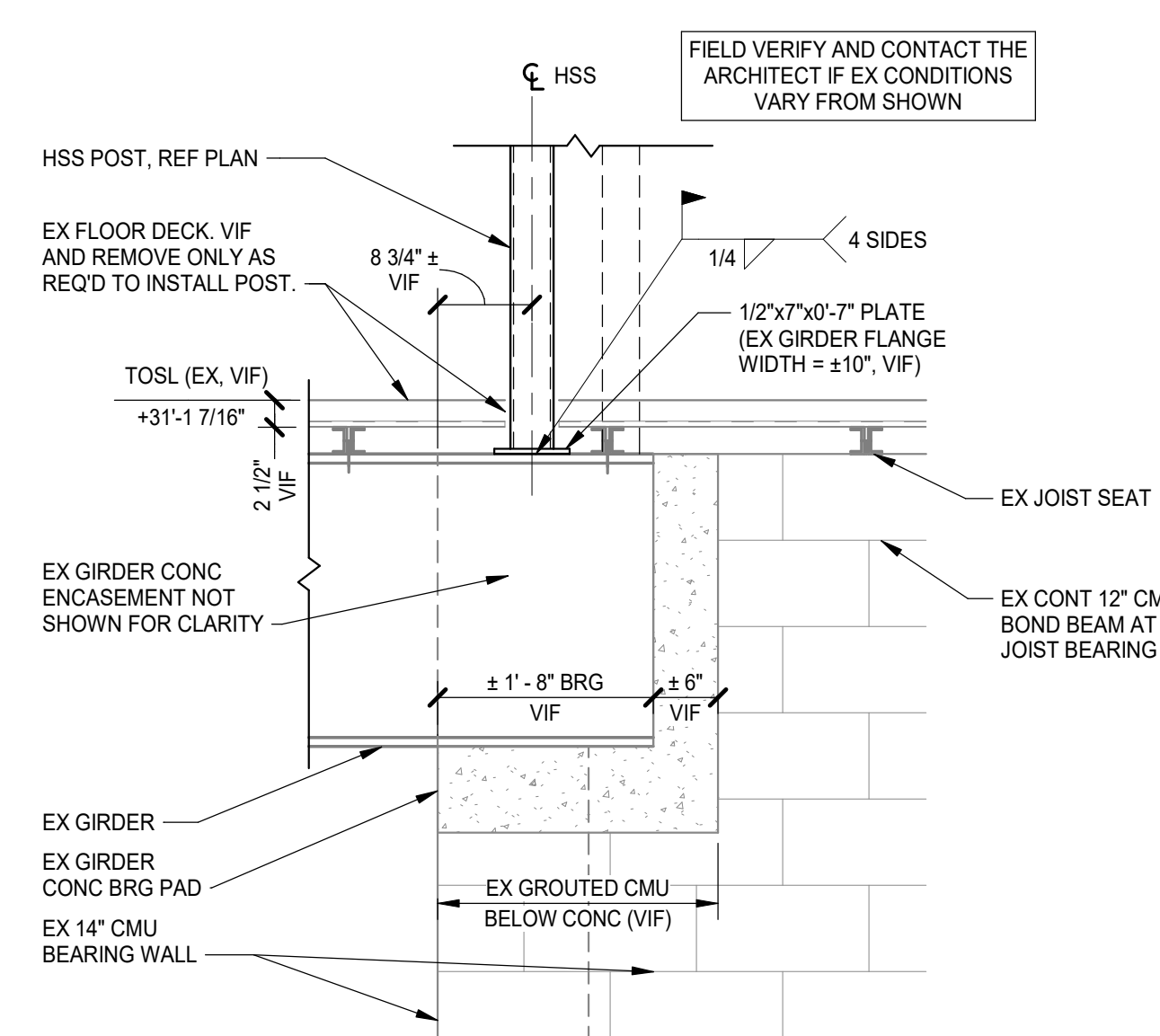
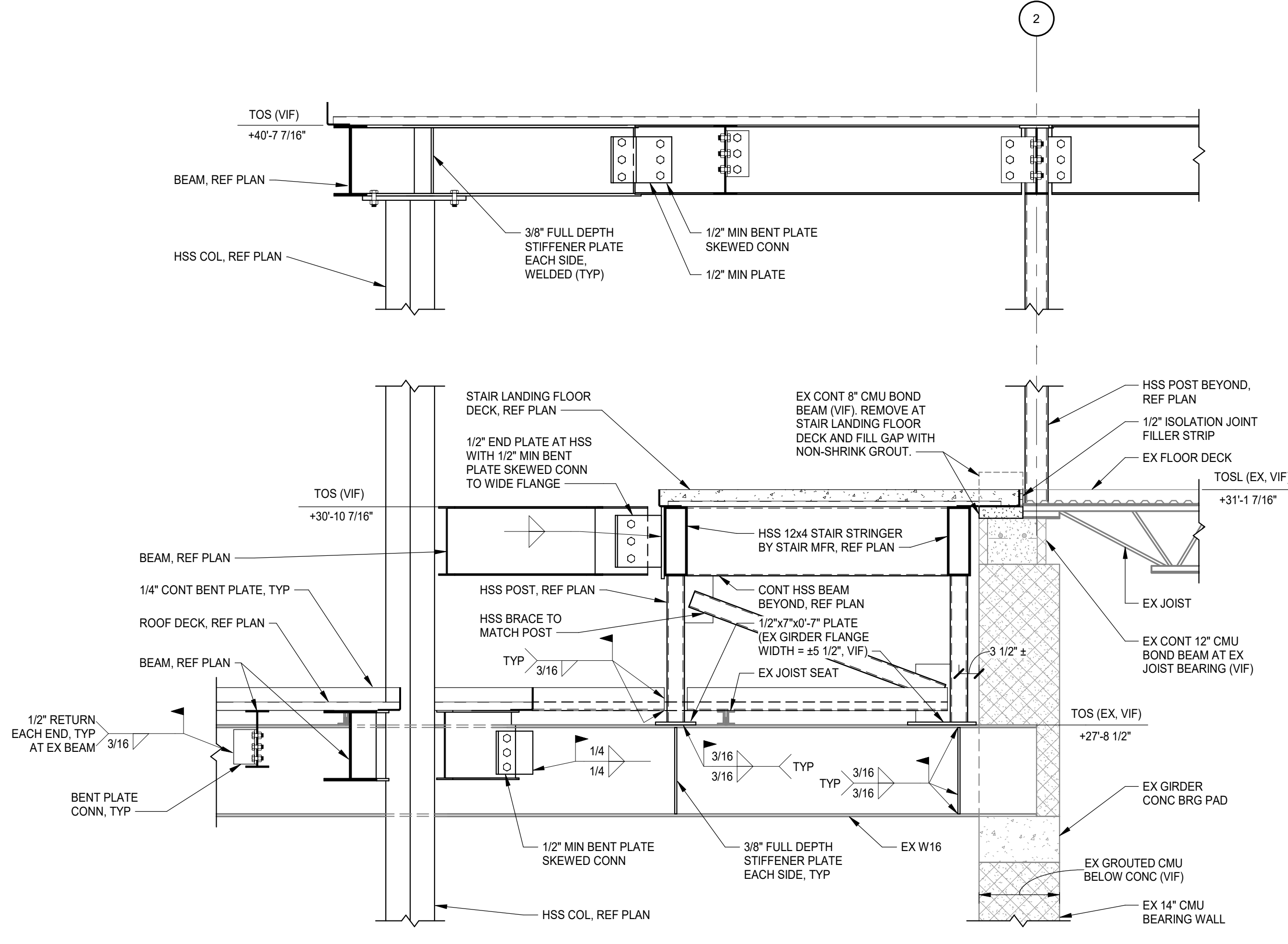
NOTE: CONTRACTOR SHALL PROVIDE DESIGN OF HANGER ASSEMBLY. C-CLAMPS PERMITTED WHEN LOAD IS LESS THAN 50 LBS



SECTION A-A

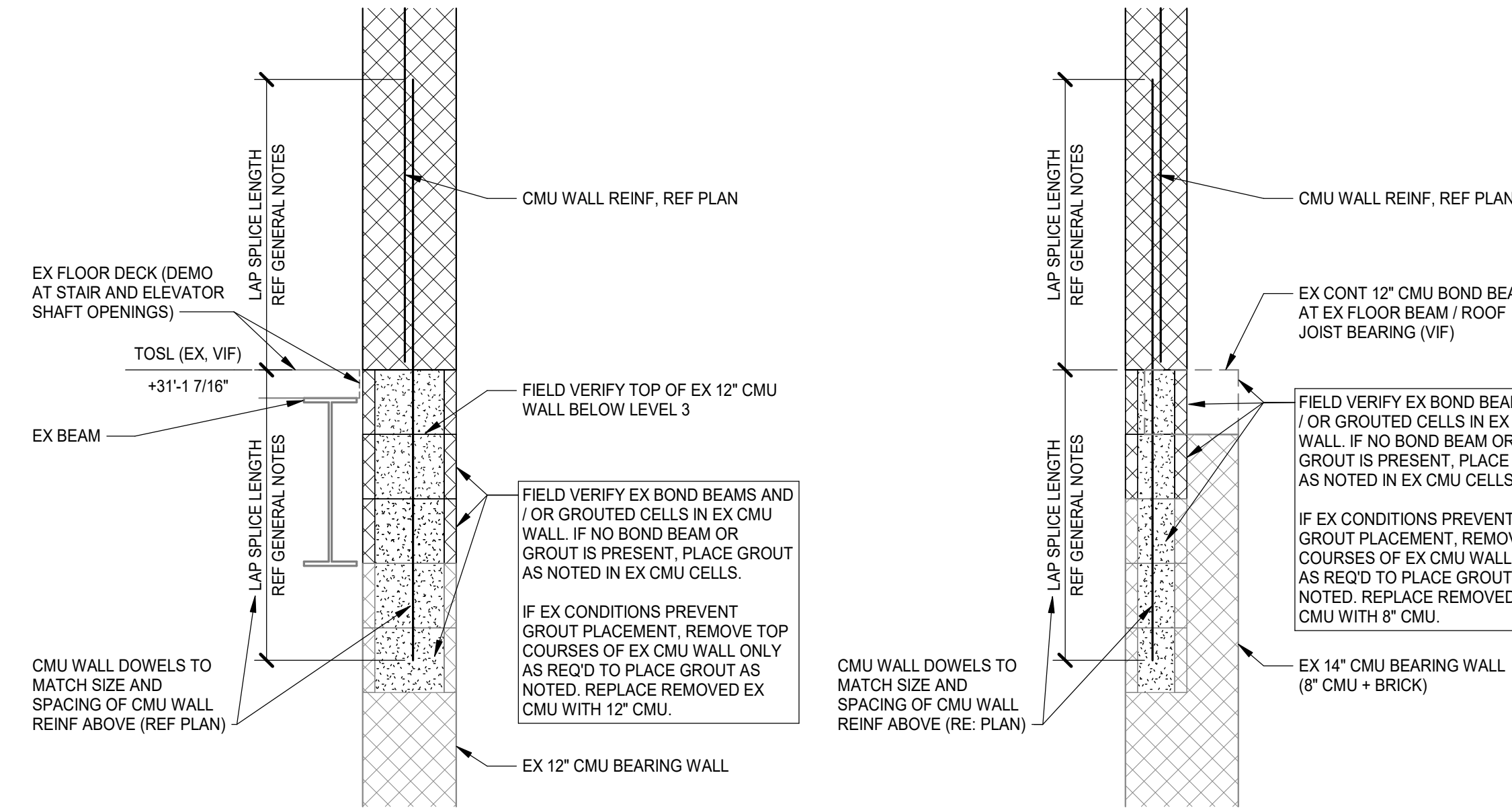
TYPICAL LOAD SUPPORTED FROM JOIST DETAIL
NO SCALE

PROJECT NO: 623324	DATE: 10/1/2025
REVISIONS	
DATE	DESCRIPTION

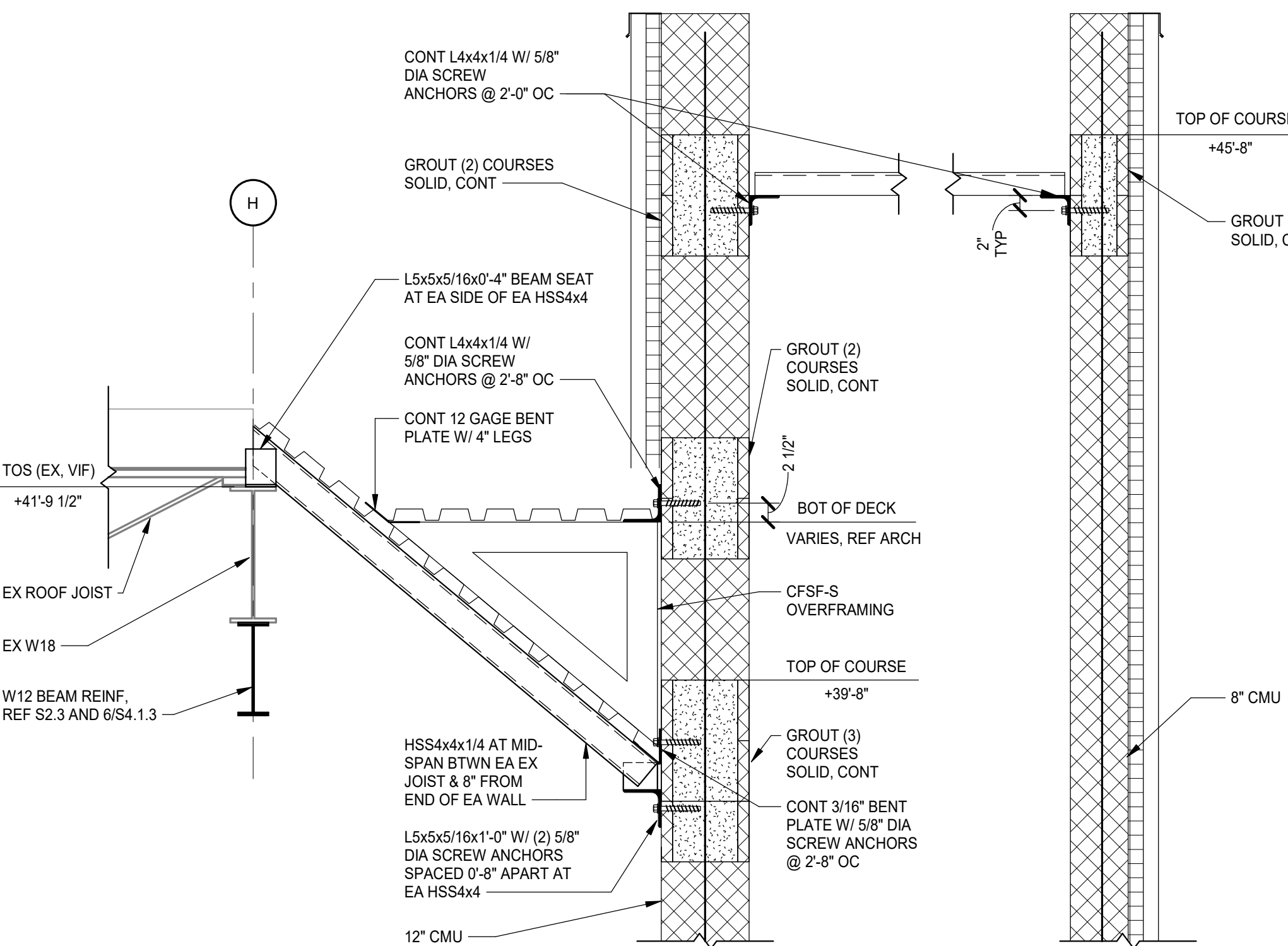
11 STAIR 1 - SECTION
S2.3 | S4.1.1 3/4" = 1'-0"**8 STAIR 1 - SECTION**
S2.3 | S4.1.1 3/4" = 1'-0"**10 STAIR 1 - SECTION**
S2.3 | S4.1.1 3/4" = 1'-0"**7 STAIR 1 - SECTION**
S2.3 | S4.1.1 3/4" = 1'-0"**9 STAIR 1 - SECTION**
S2.3 | S4.1.1 3/4" = 1'-0"**6 STAIR 1 - SECTION**
S2.2 | S4.1.1 3/4" = 1'-0"**5 STAIR 1 - SECTION**
S2.2 | S4.1.1 3/4" = 1'-0"**3 STAIR 1 - SECTION**
S2.2 | S4.1.1 3/4" = 1'-0"**4 STAIR 1 - SECTION**
S2.1 | S4.1.1 3/4" = 1'-0"**2 STAIR 1 - SECTION**
S2.2 | S4.1.1 3/4" = 1'-0"**1 STAIR 1 - SECTION**
S2.2 | S4.1.1 3/4" = 1'-0"

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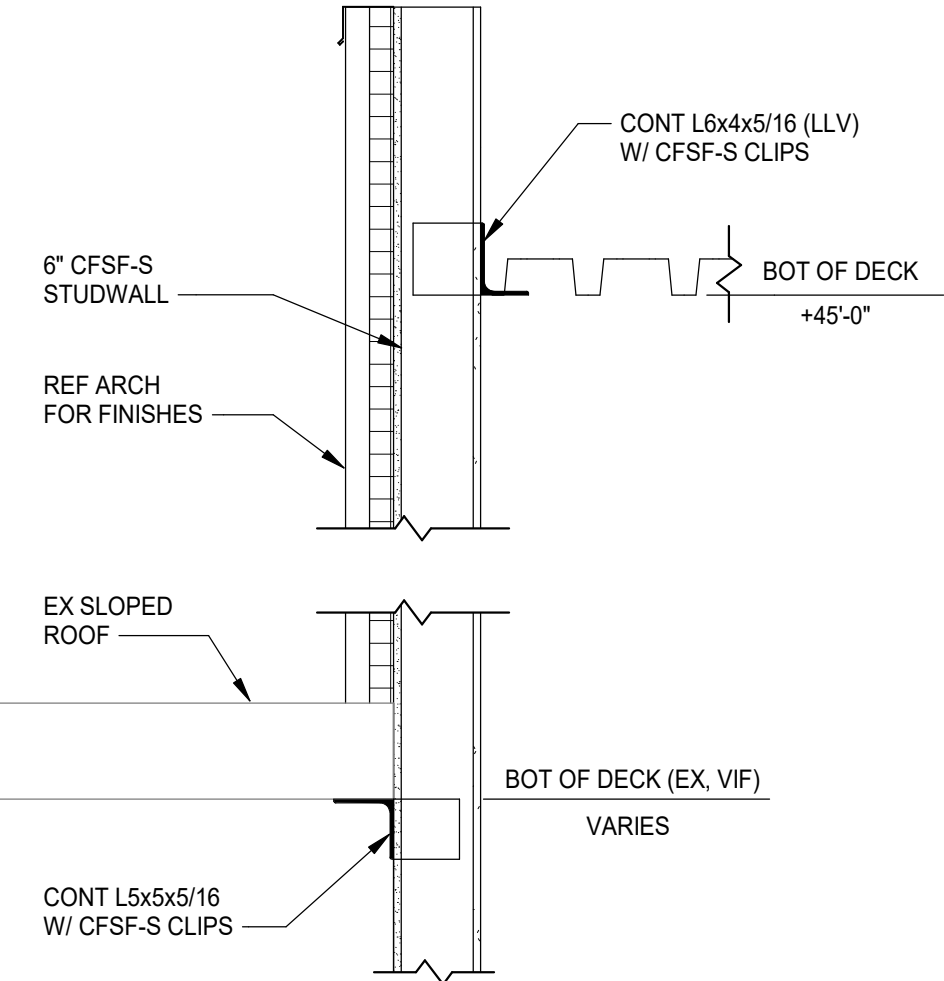
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S2.2 | S4.1.2 3/4" = 1'-0"



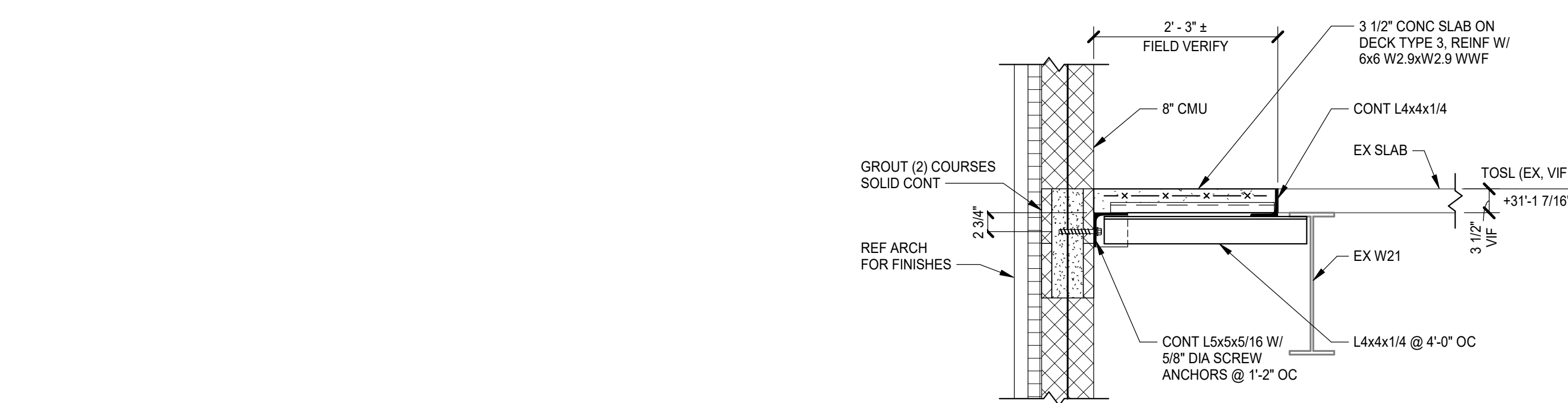
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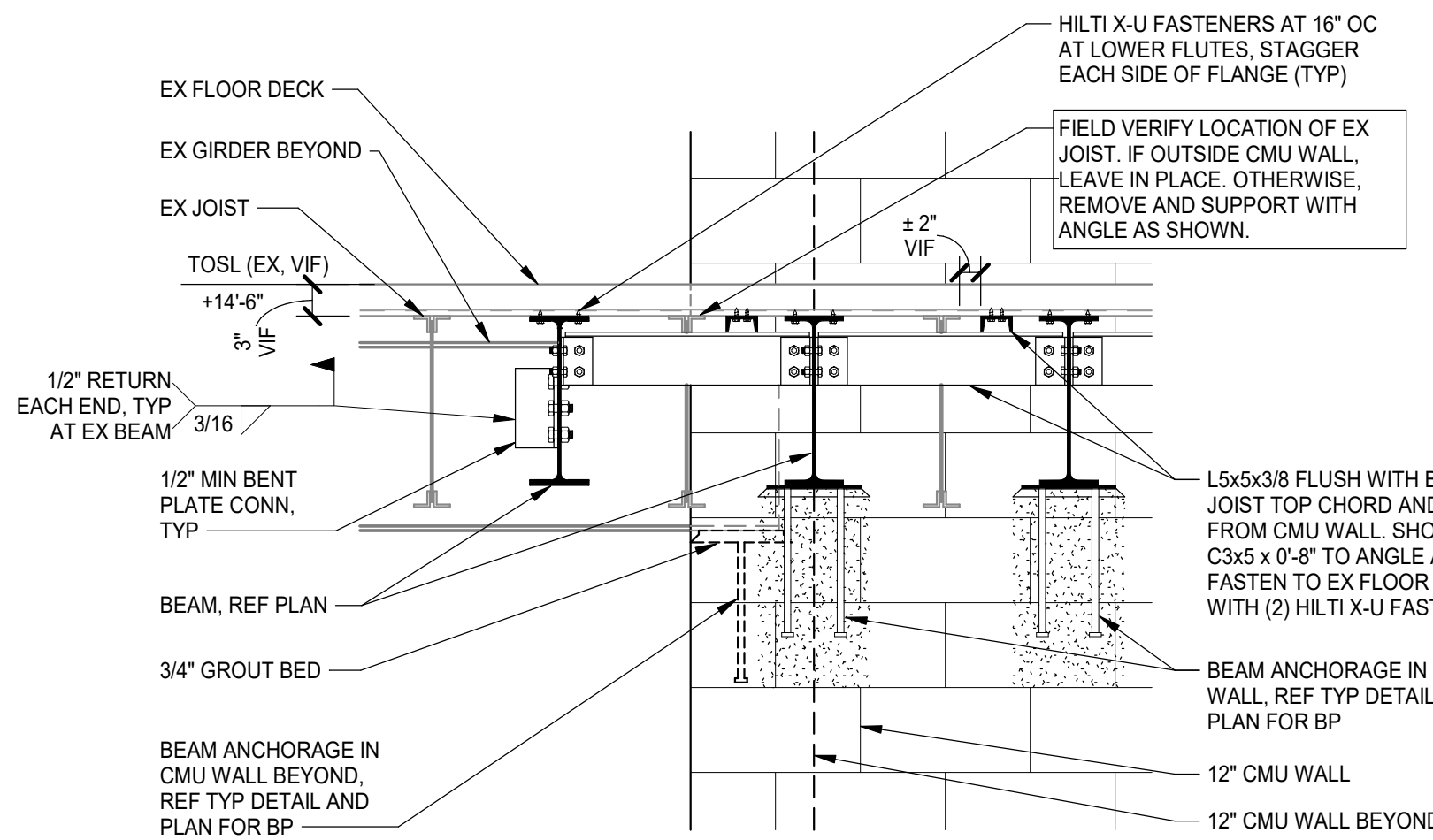
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S2.2 | S4.1.2 3/4" = 1'-0"



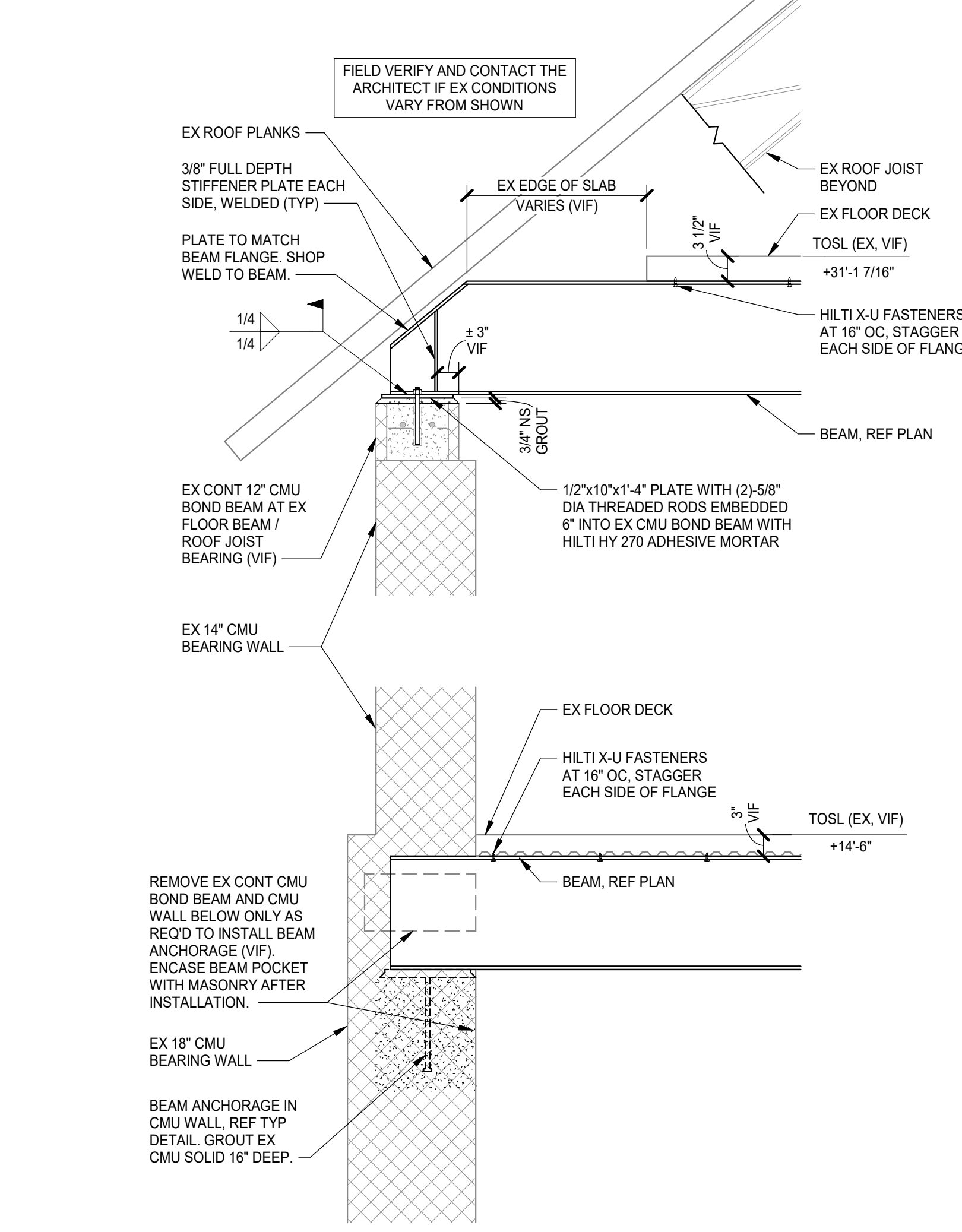
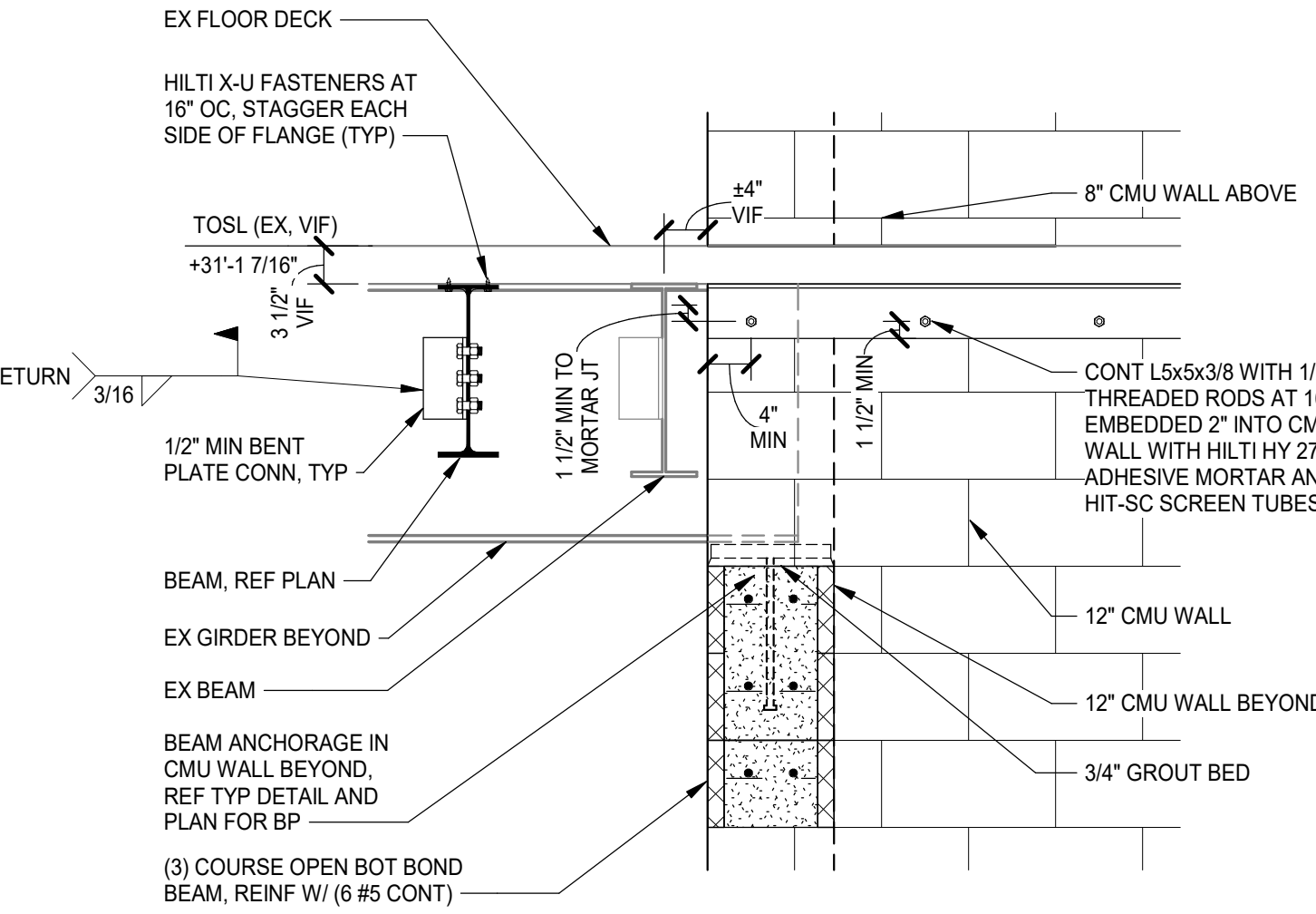
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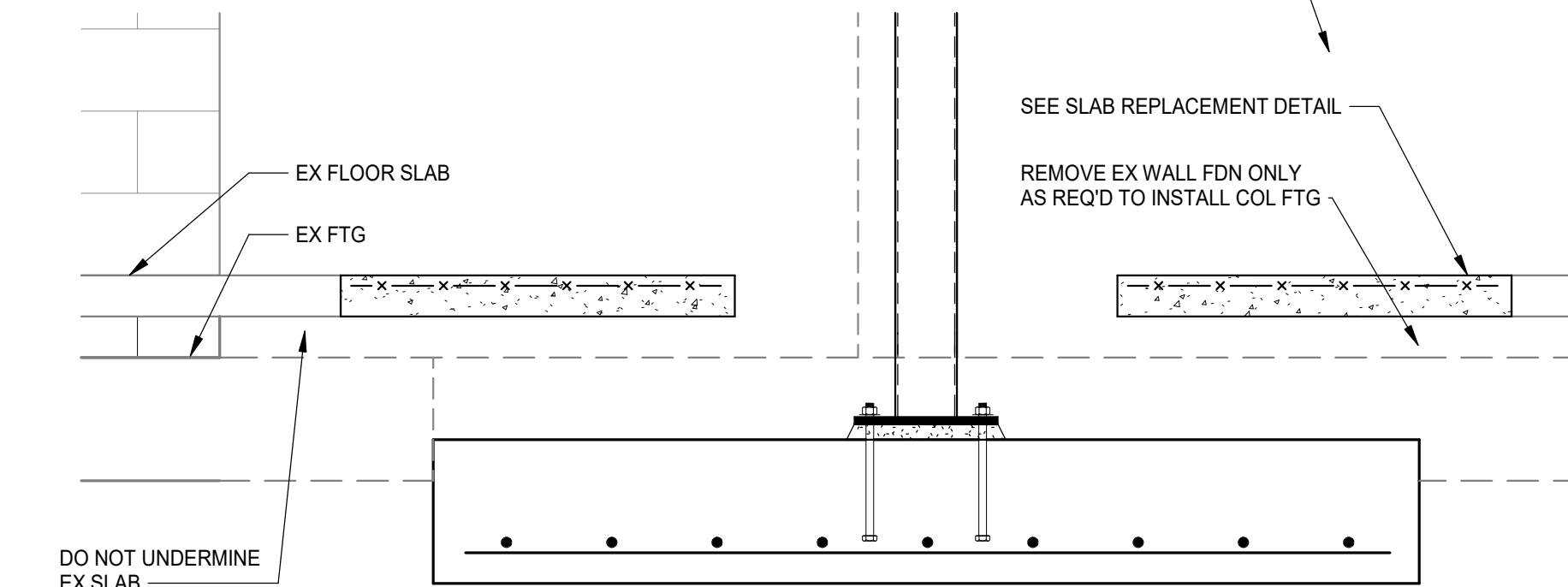
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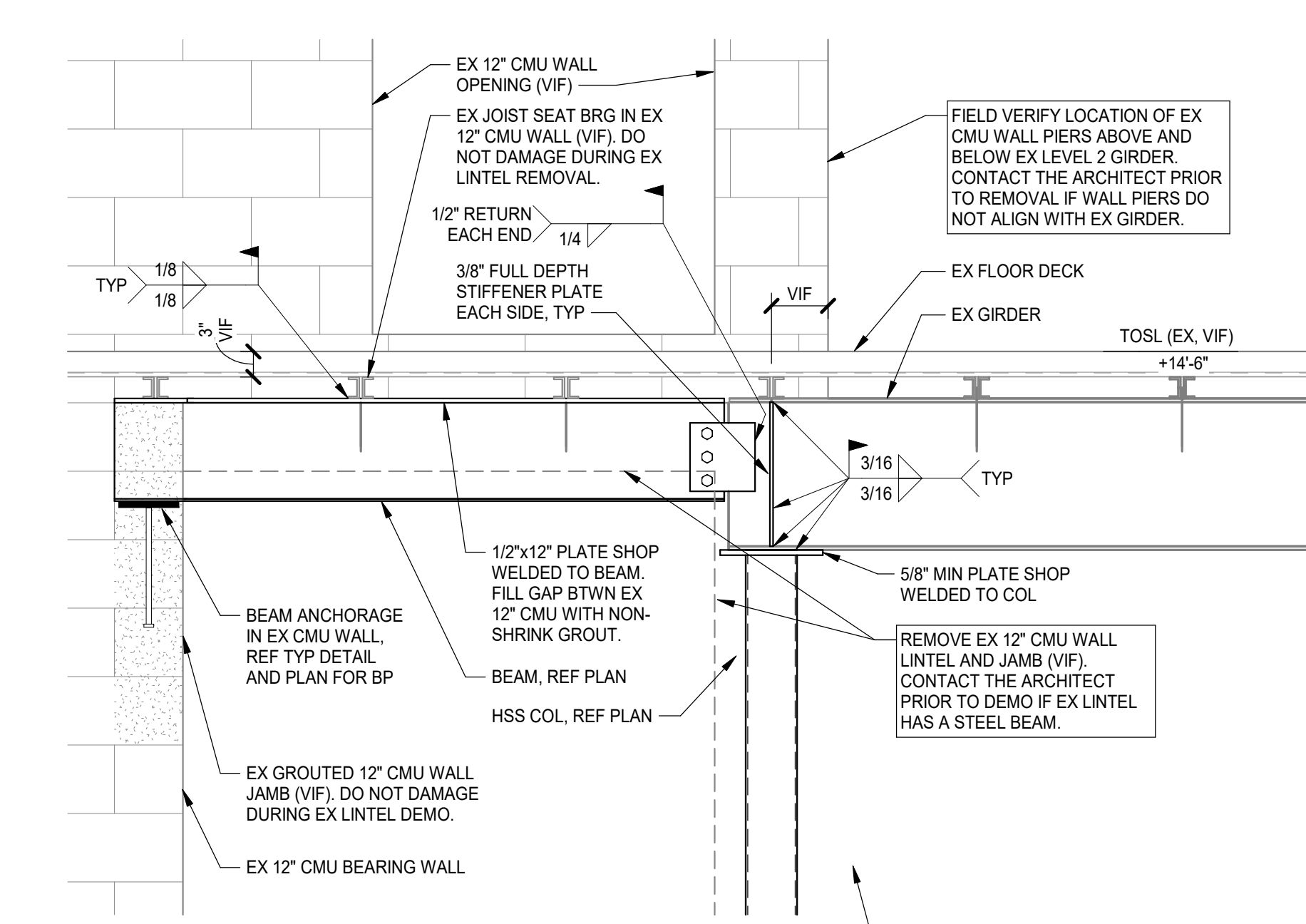
6 JUDICIAL STAIR & ELEV - SECTION
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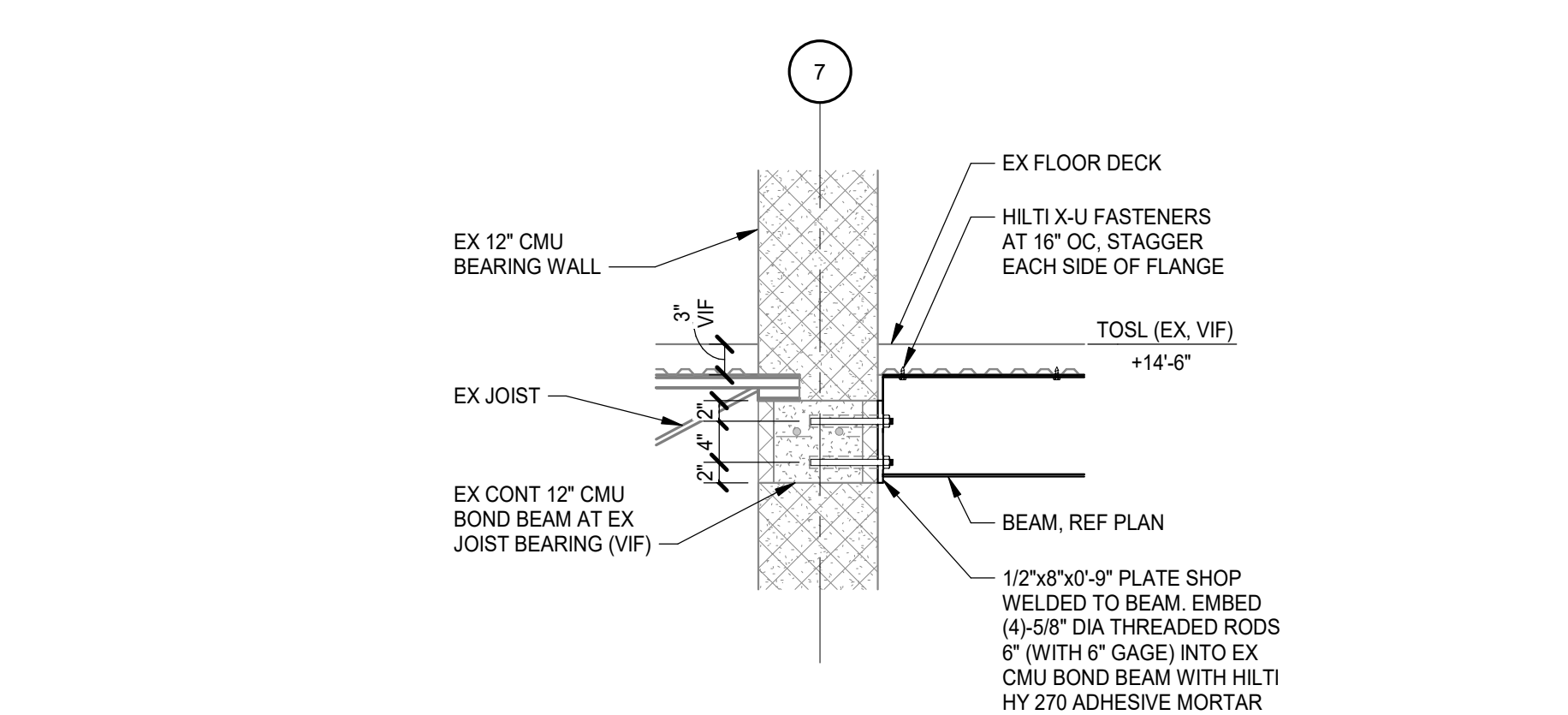
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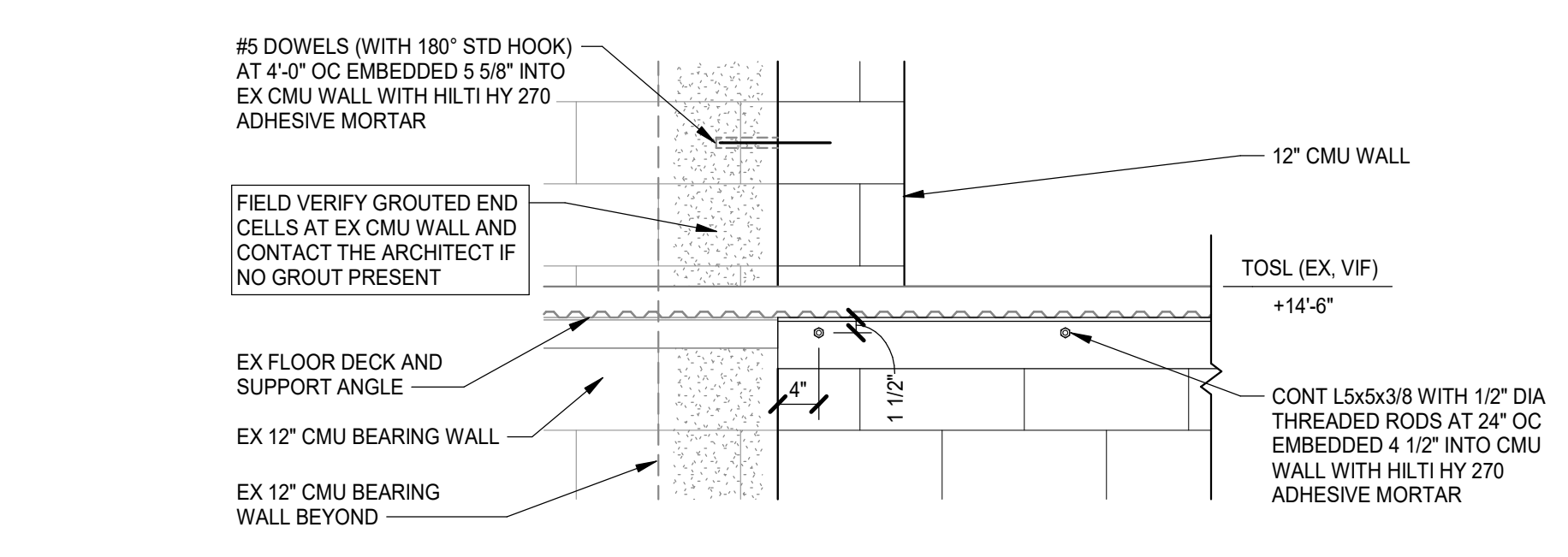
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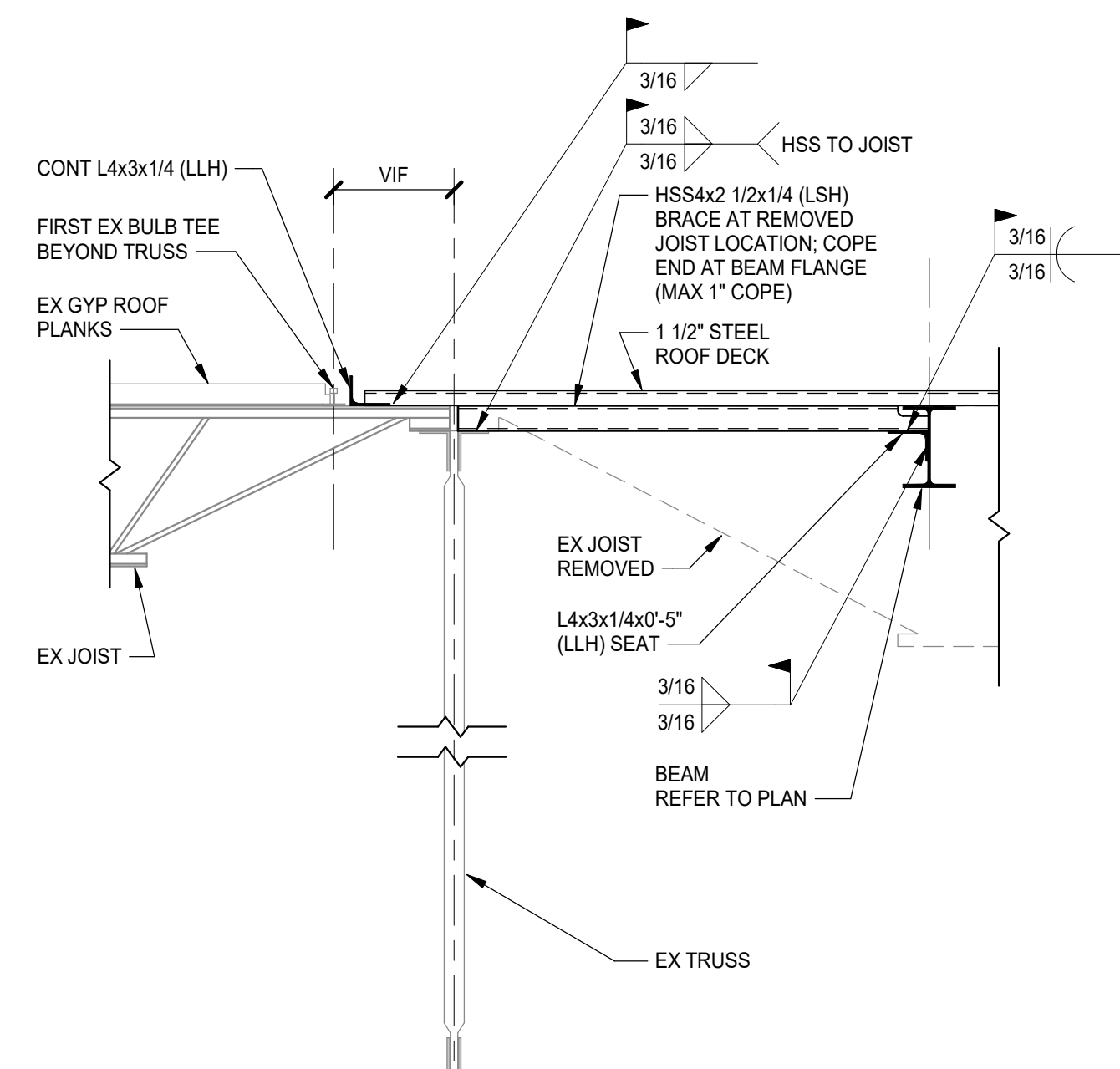


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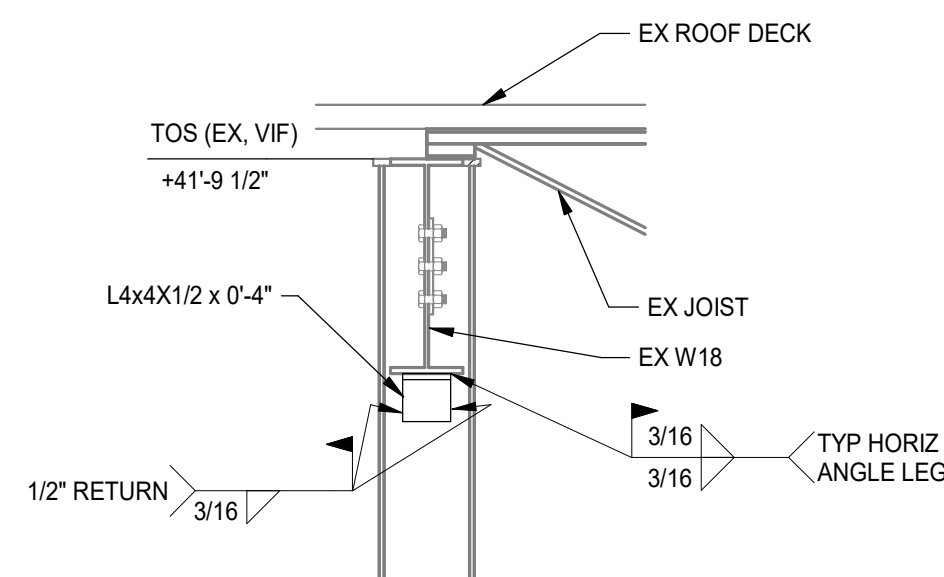


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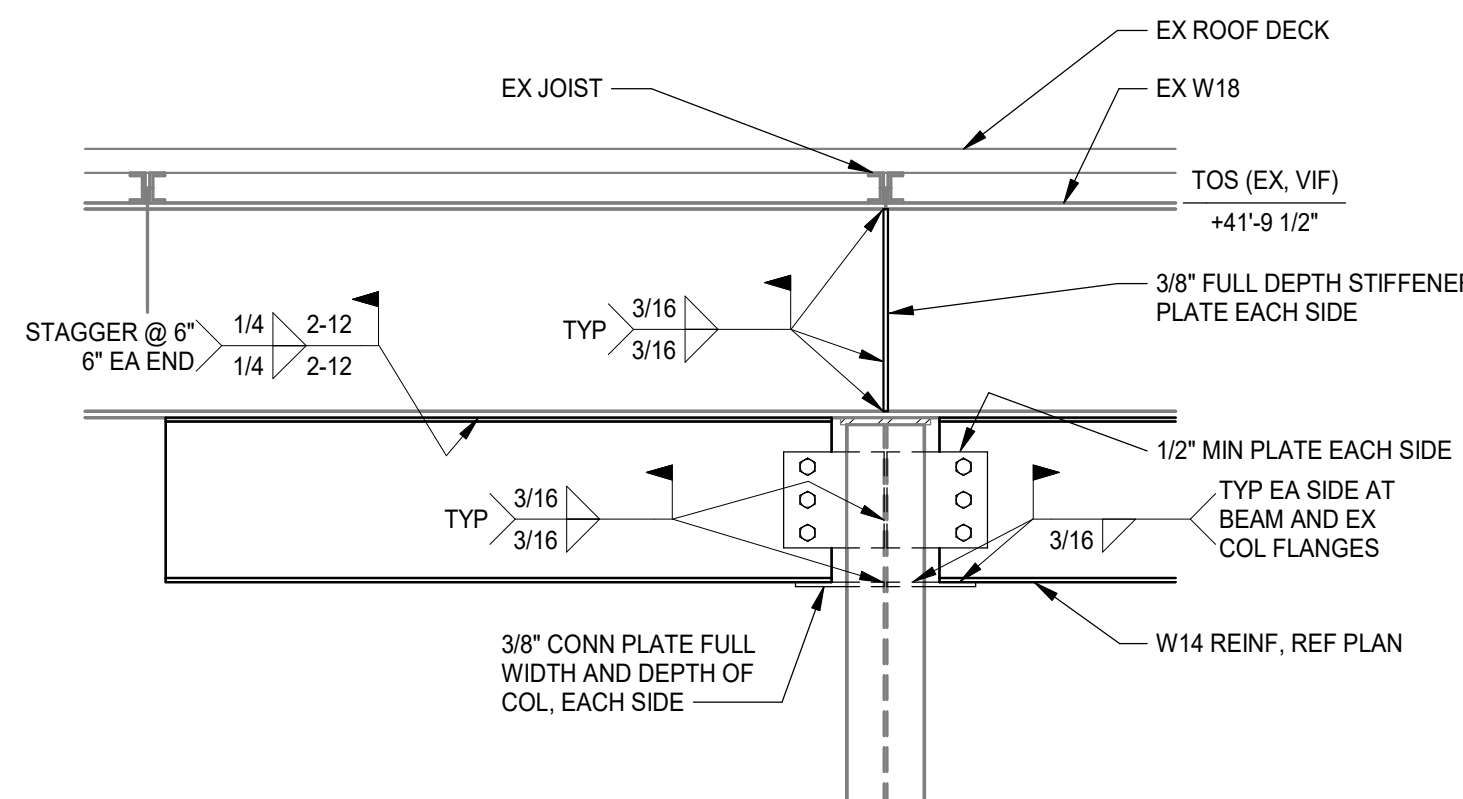




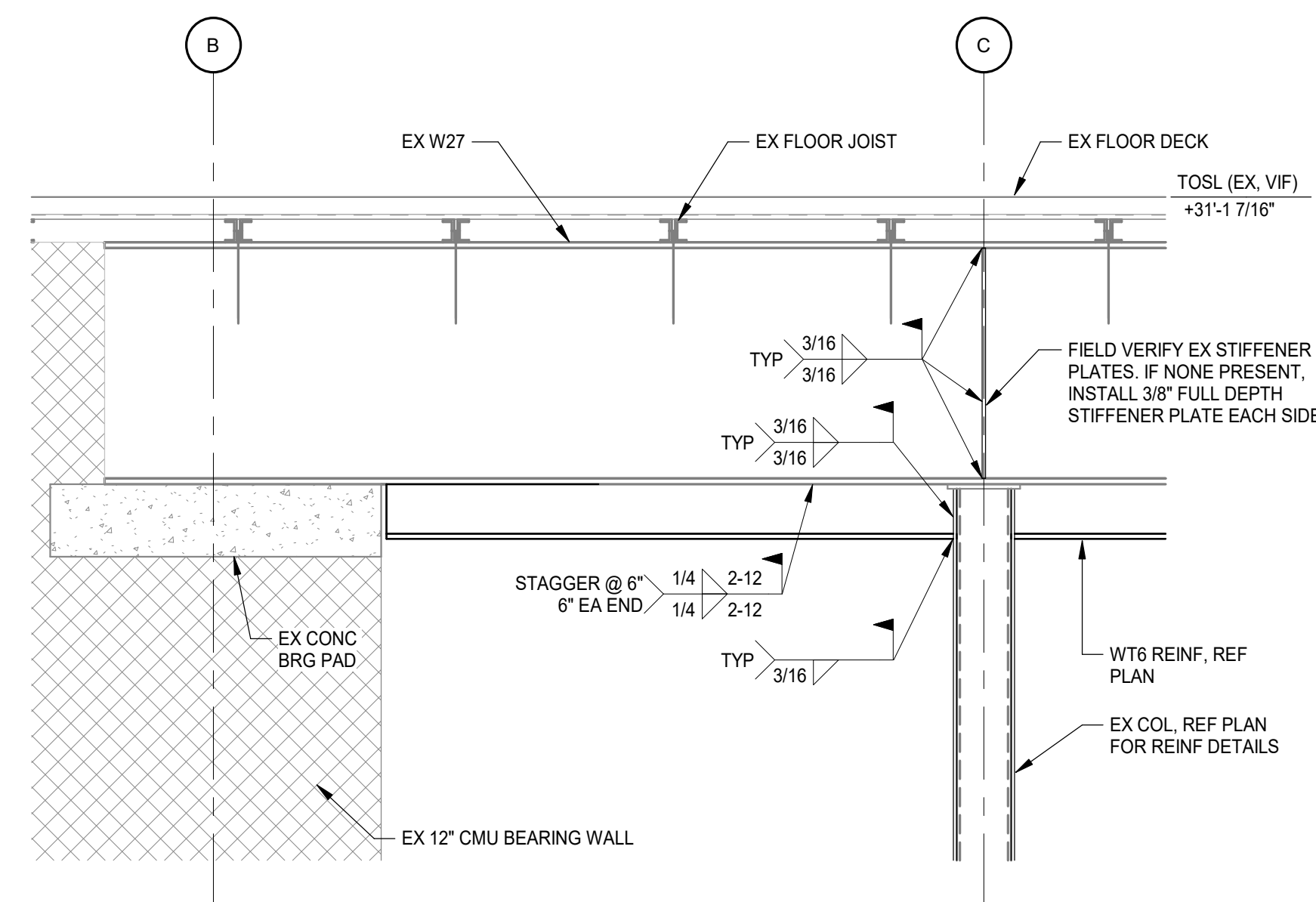
11 RTU SUPPORT DETAIL



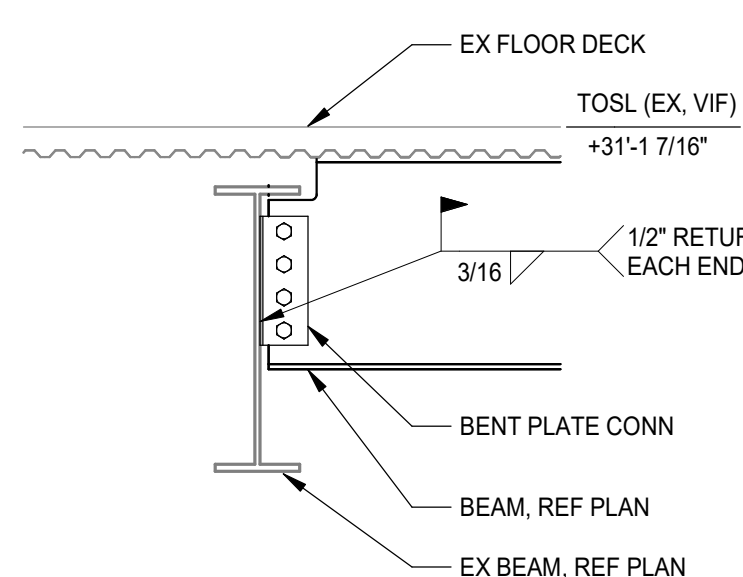
7 ROOF LEVEL - CONNECTION REINFORCING DETAIL



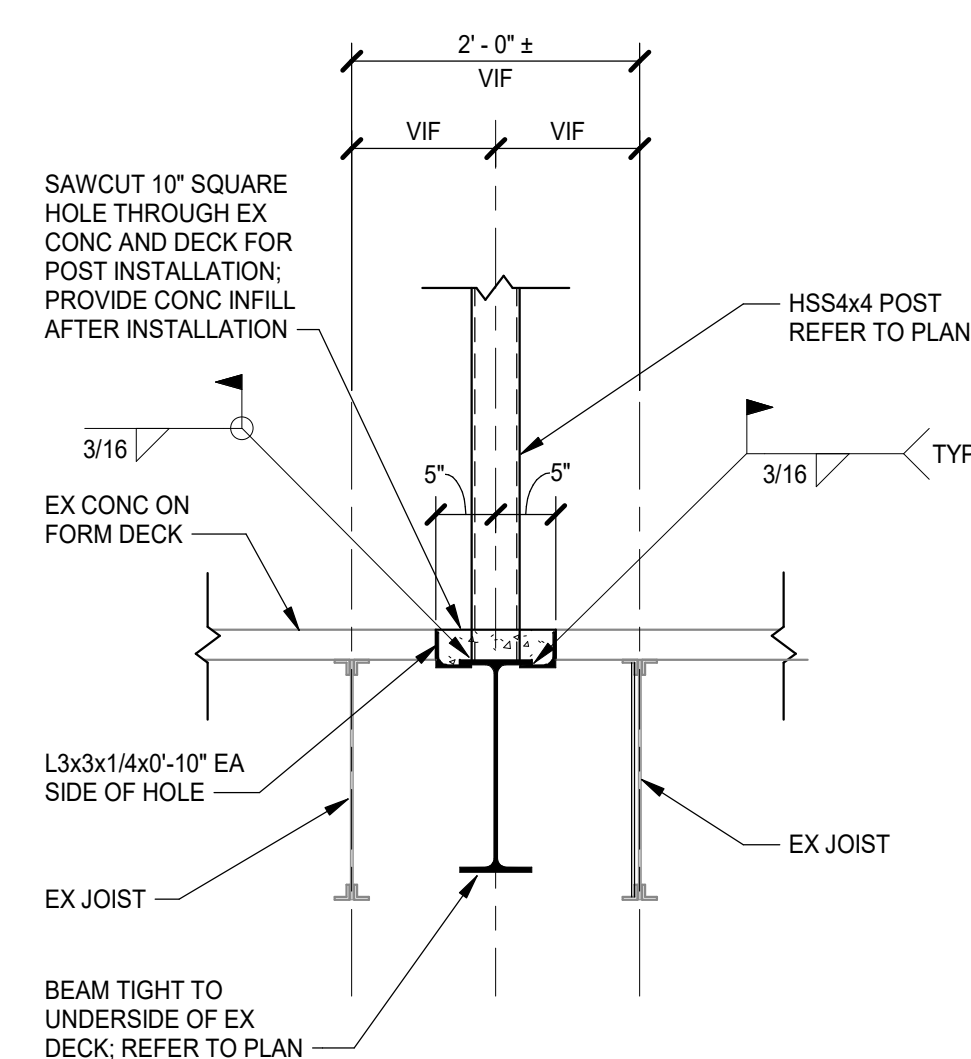
6 ROOF LEVEL - BEAM REINFORCING DETAIL



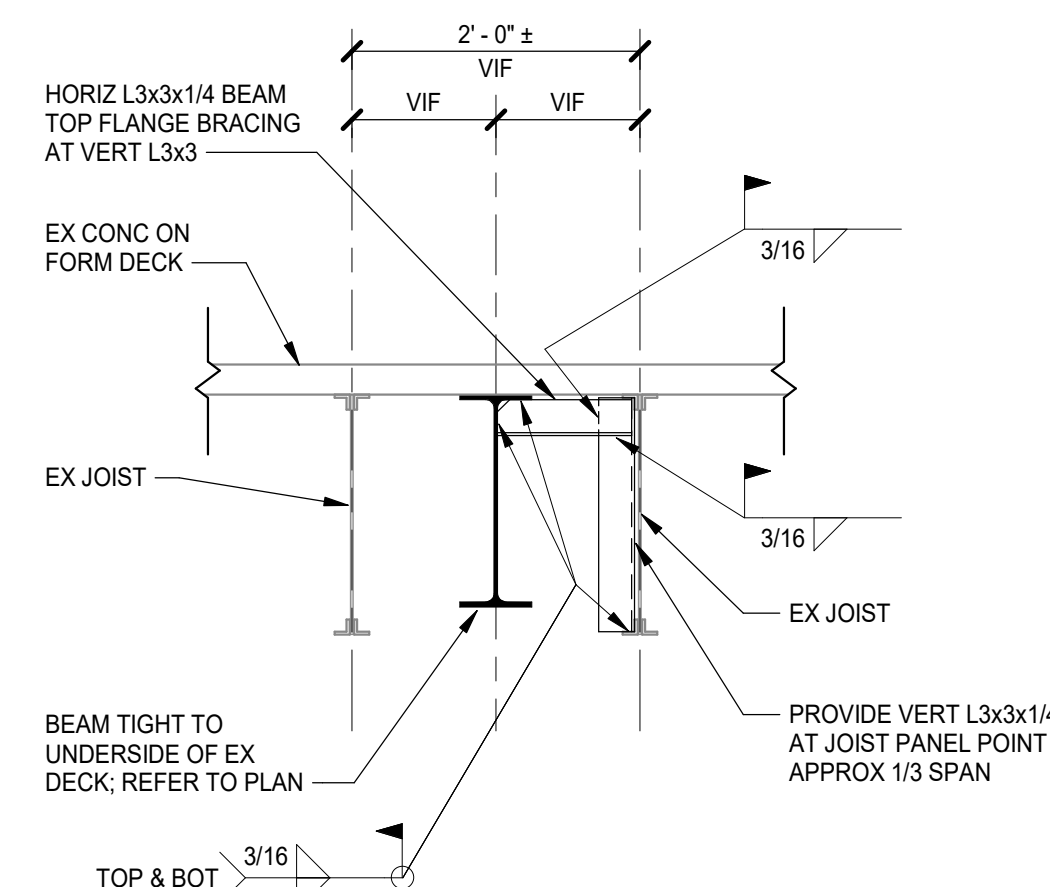
3 LEVEL 3 - BEAM REINFORCING DETAIL



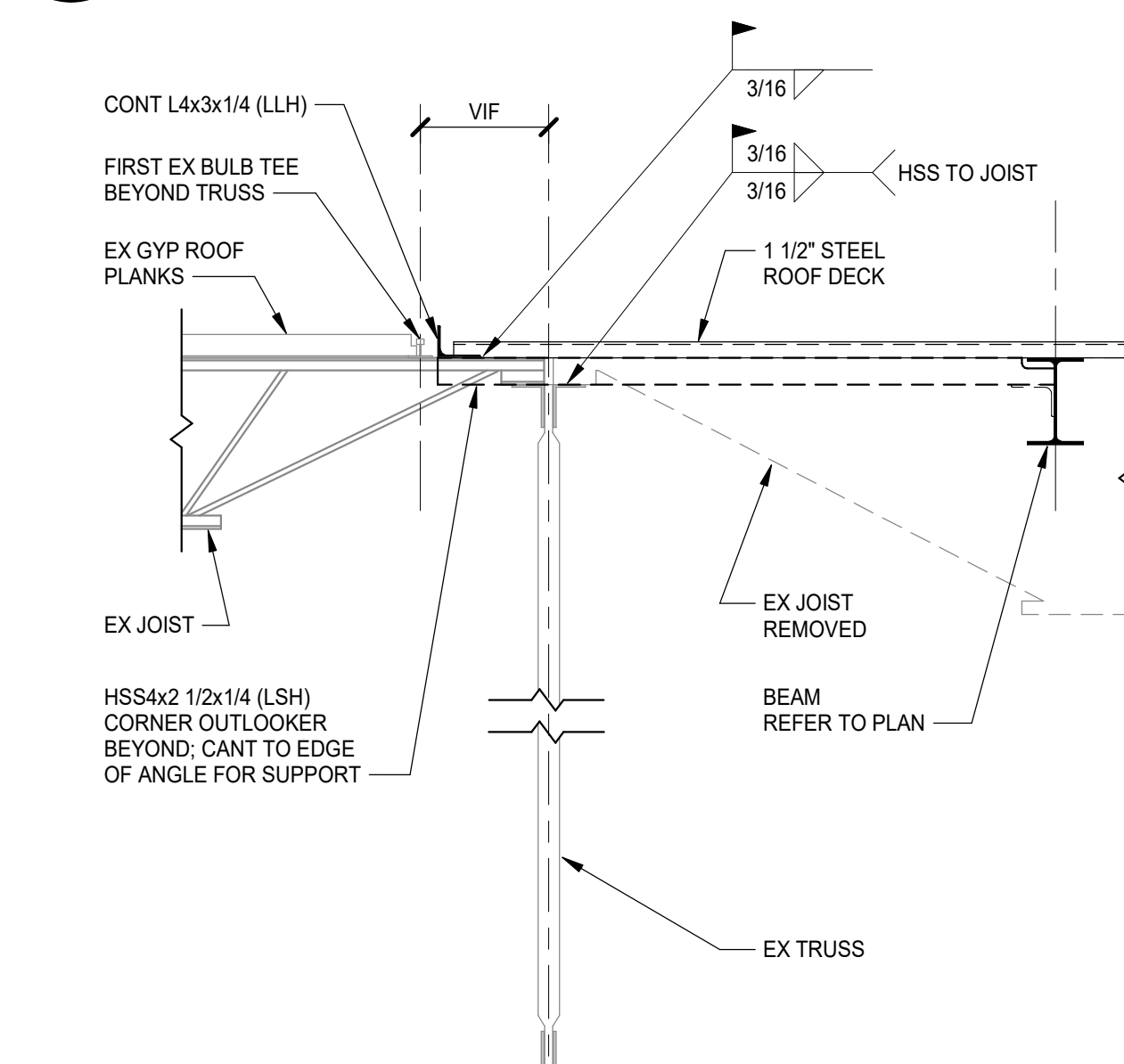
14 RTU SUPPORT DETAIL



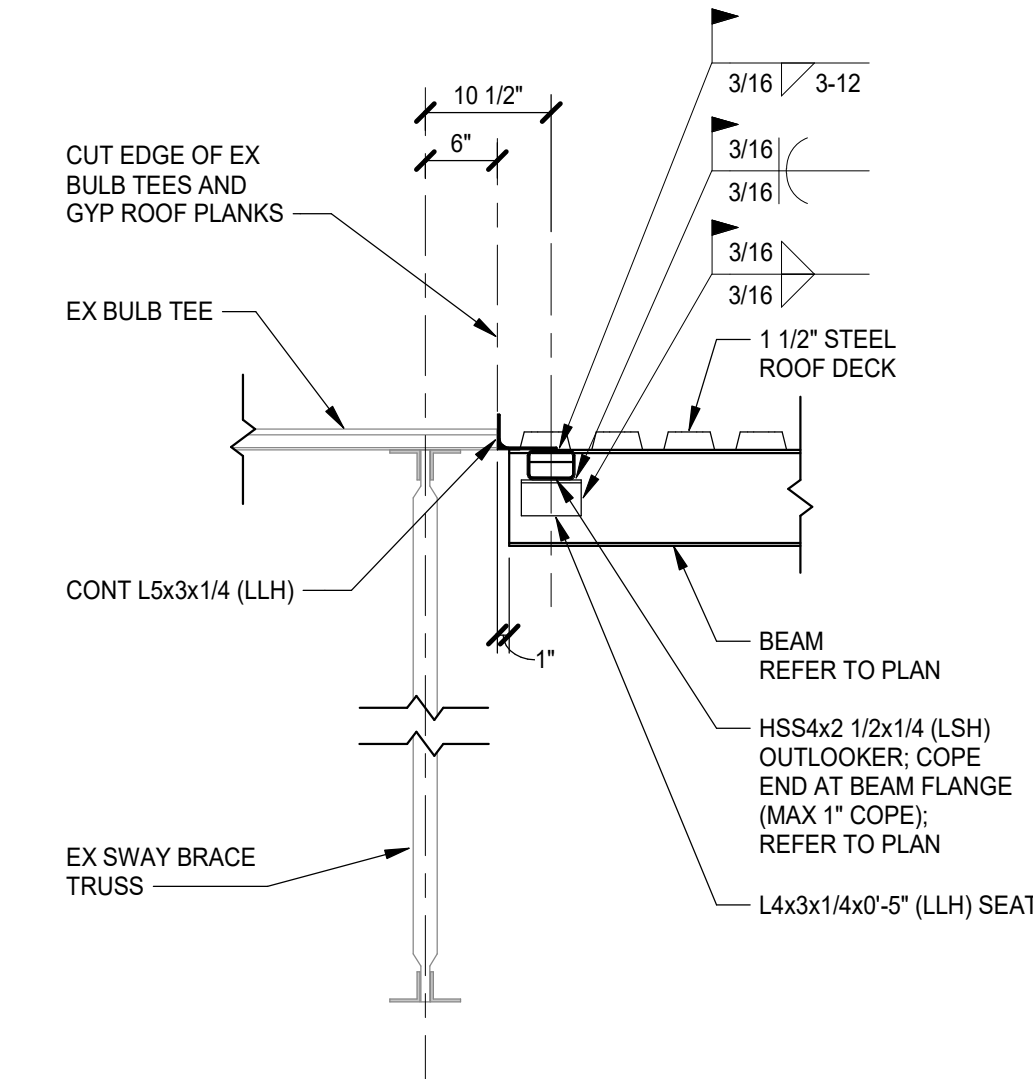
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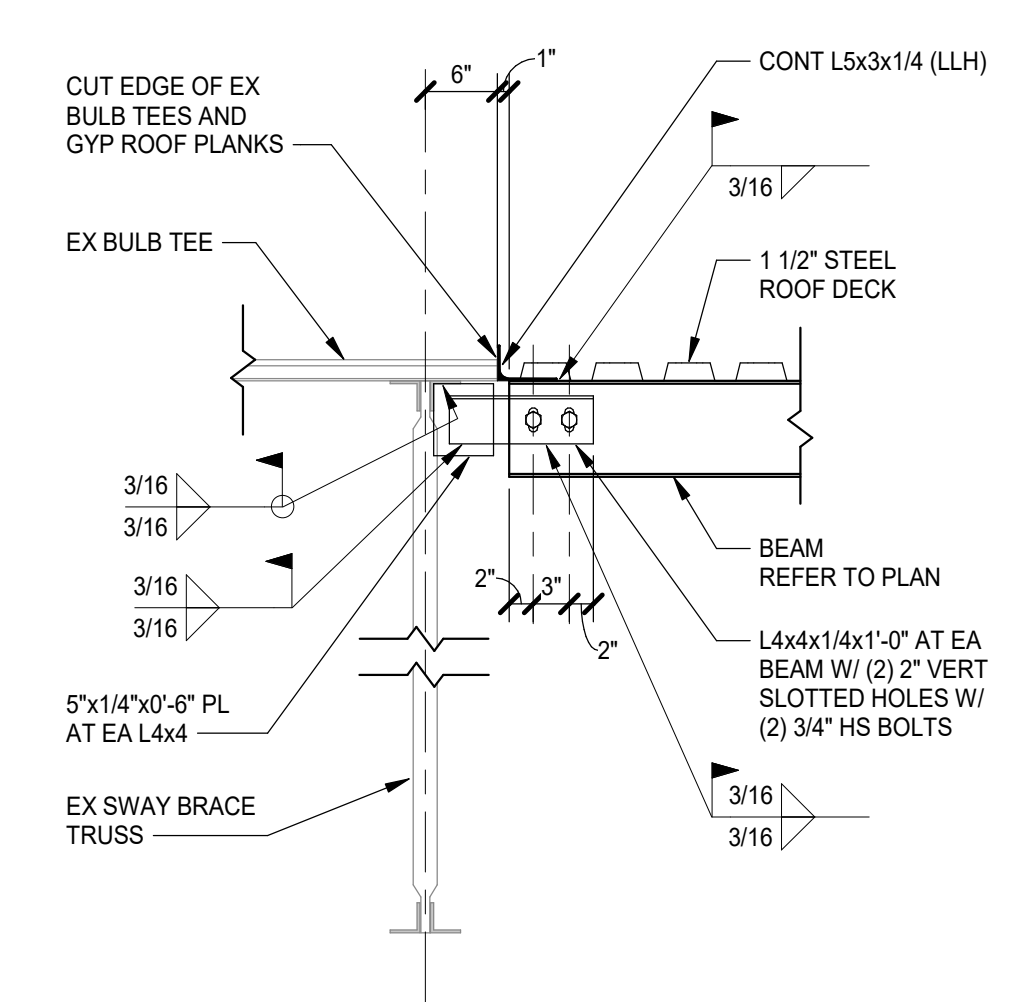
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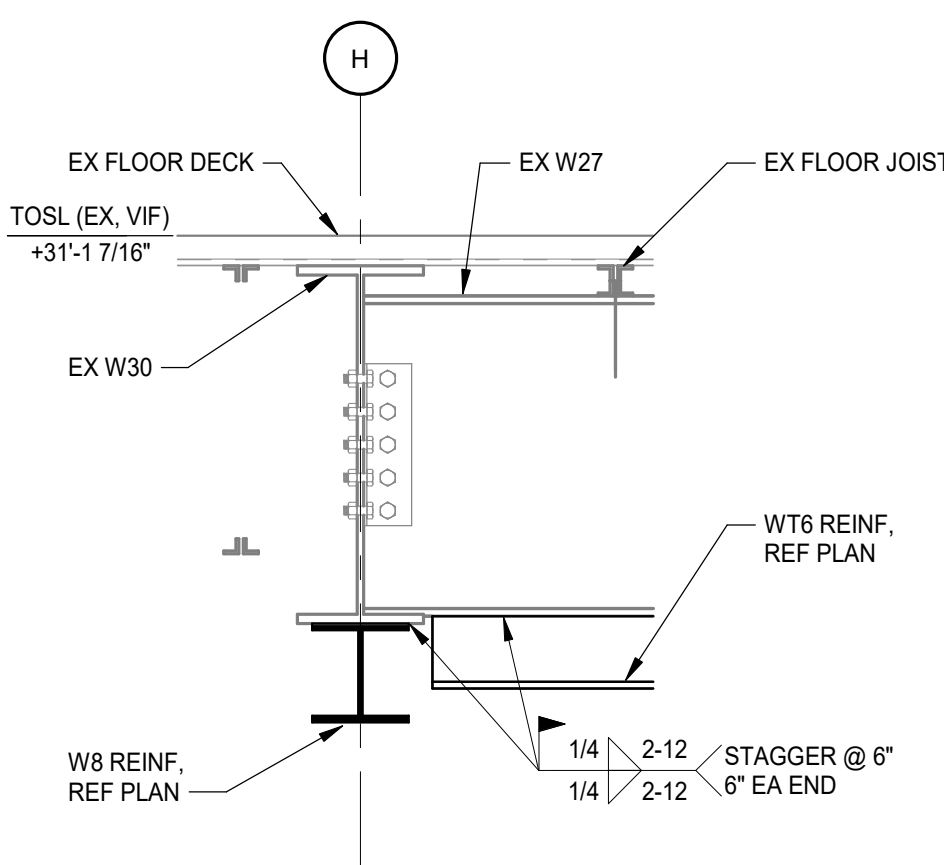
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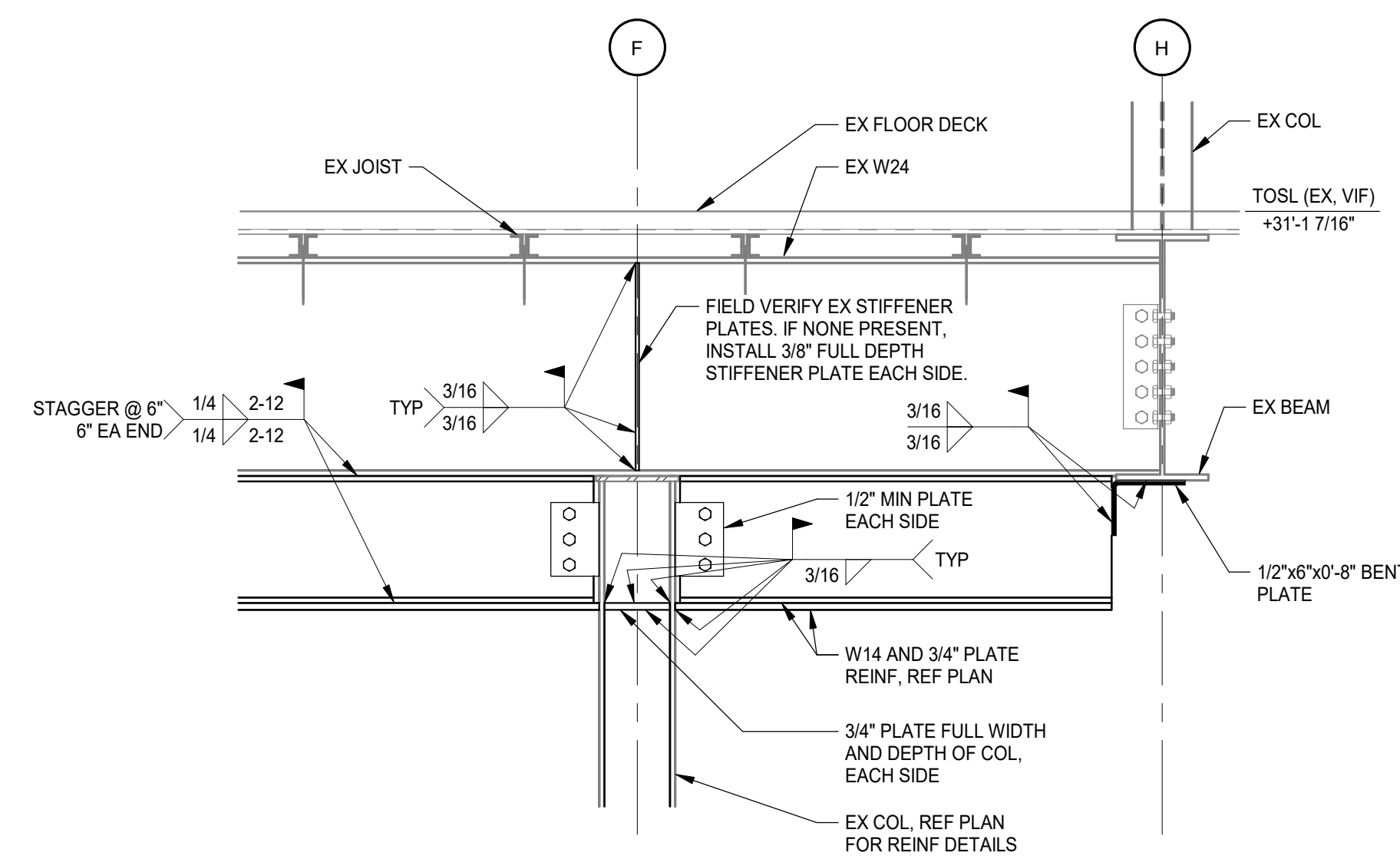
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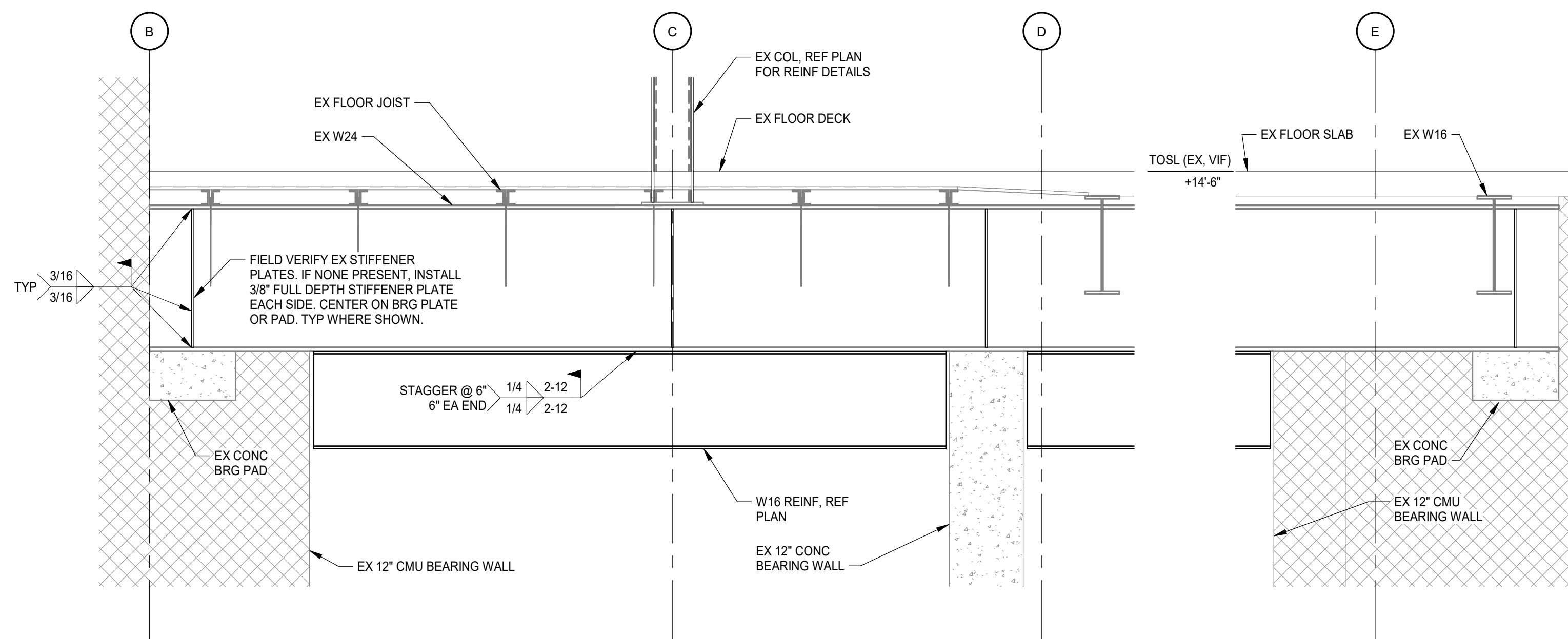
8 RTU SUPPORT DETAIL



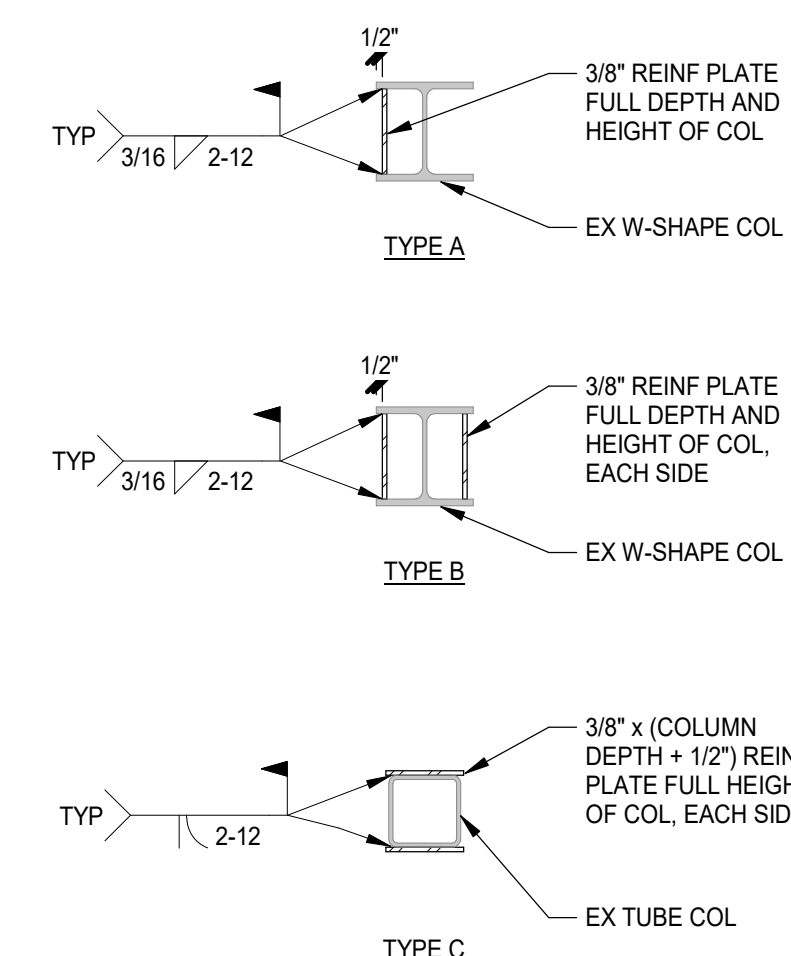
5 LEVEL 3 - BEAM REINFORCING DETAIL



2 LEVEL 3 - BEAM REINFORCING DETAIL



4 LEVEL 2 - BEAM REINFORCING DETAIL



1 TYPICAL COLUMN REINFORCING DETAIL

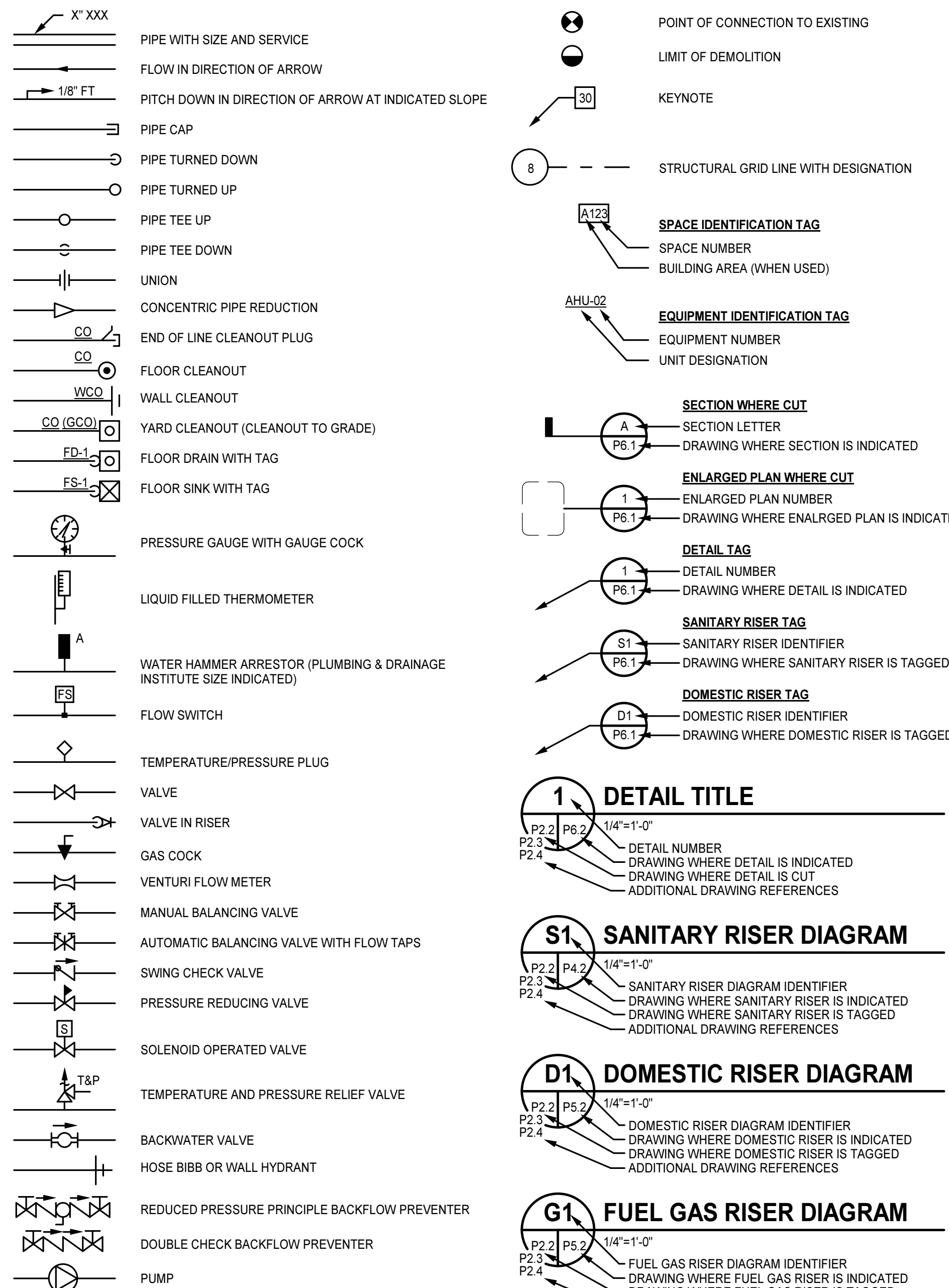
PROVIDE 3/16" FILLET WELD ACROSS FULL LENGTH OF REINF PLATES AT ALL COL BASE PLATES AND CAP PLATES



ABBREVIATIONS

@	AT	EVC	ELECTRIC WATER COOLER	OSD	OPEN SITE DRAIN
AAV	AIR ADMITTANCE VALVE	EWV	ELECTRIC WATER HEATER	PC	PRECAST
ABV	ABOVE	EXV	EXISTING	PCF	POUNDS PER CUBIC FOOT
AC-X	AIR COMPRESSOR DESIGNATION	EXP	EXPANSION	PD	PUMP DISCHARGE
ADJ	ADJUSTABLE	FCO	FLOOR CLEANOUT	PLUMB	PLUMBING
ADNL	ADDITIONAL	FD	FLOOR DRAIN	PLYWD	PLYWOOD
APF	ABOVE FINISHED FLOOR	FDC	FIRE DEPARTMENT CONNECTION	POLY	POLYETHYLENE
APFS	ABOVE FINISHED GRADE	FF	FINISHED FLOOR	PPT	PRESSURE PRESERVATIVE TREATED
AHU	AIR HANDLING UNIT	FFE	FINISHED FLOOR ELEVATION	PREFAB	PREFABRICATE(D)
ALT	ALTERNATE	FG	FINISHED GRADE	PROJ	PROJECT
ALUM	ALUMINUM	FH	FIRE HYDRANT	PSF	POUNDS PER SQUARE FOOT
AP	ACCESS PANEL	FHC	FIRE HOSE CABINET	PSI	POUNDS PER SQUARE INCH
APPR	APPROXIMATE	FHS	FIRE HOSE STATION	PV	PROPANE VENT
ARCH	ARCHITECTURAL	FHVC	FIRE HOSE VALVE CABINET	PVC	POLYVINYL CHLORIDE
AUTO	AUTOMATIC	FX	FIXTURE	PVMT	PAVEMENT
AVG	AVERAGE	FLR	FLOOR	R	RISER
BFF	BELOW FINISHED FLOOR	FLSHG	FLASHING	RAD	RADIUS
BFG	BELOW FINISHED GRADE	FOR	FUEL OIL RETURN	RCR-X	RECIRCULATION PUMP DESIGNATION
BLDG	BUILDING	FOS	FUEL OIL SUPPLY	RD	ROOF DRAIN (BOTTOM OUTLET)
BO	BOTTOM OF	FOV	FUEL OIL VENT	RDS	ROOF DRAIN (SIDE OUTLET)
BOT	BOTTOM	FS	FLOOR SINK	REF	REFERENCE
BMT	BASEMENT	FSD	FOUNDATION SUB-DRAIN	REQD	REQUIRED
BTWN	BETWEEN	FT	FOOT OR FEET	REQMT	REQUIREMENTS
CA	COMPRESSED AIR	FVC	FIRE VALVE CABINET	RL	RAIN LEADER
CI	CAST IRON	G	GAS	RM	ROOM
CIP	CAST-IN-PLACE CONCRETE	GCD	GRADE CLEANOUT	RO	ROUGH OPENING
CL	CENTERLINE	GWH	GAS WATER HEATER	RV	RADON VENT
CLG	CEILING	HB	HOSE BIBB	S	SOUTH
CLR	CLEAR	HORIZ	HORIZONTAL	SAN	SANITARY
CMP	CORRUGATED METAL PIPE	HP	HORSEPOWER	SCH	SCHEDULE
CNTR	COUNTER	HRS	HOSE REEL DESIGNATION	SD	STORM DRAINAGE PIPING
CO	CLEANOUT	HTG	HEATING	SDN	STORM DRAIN NOZZLE
COL	COLUMN	HW	HOT WATER	SF	SQUARE FOOT/FEET
CONC	CONCRETE	HWR	HOT WATER RETURN	SHT	SHEET
CONDS	CONDENSATE	HWS	HOT WATER SUPPLY	SIM	SIMILAR
CONSTR	CONSTRUCTION	ID	INSIDE DIAMETER	SLT	SEALANT
CONT	CONTINUATION	IN	INCH	SOG	SLAB ON GRADE
CONTR	CONTRACT-(OR)	INSUL	INSULATE OR INSULATION	SP	SUMP PUMP
CORR	CORRIDOR	INV	INVERT	SPEC	SPECIFICATION
CP	CIRCULATING PUMP	JAN	JANITOR	SPR	SPRINKLER
CR	CLASSROOM	KIT	KITCHEN	SQ	SQUARE
CT	COOLING TOWER	KW	KITCHEN WASTE	SRO	SECONDARY ROOF DRAIN
CU	COPPER	LAB	LABORATORY	SS	STAINLESS STEEL
CU FT	CUBIC FEET	LAV	LAVATORY	SSD	SECONDARY STORM DRAINAGE PIPING
CU YD	CUBIC YARD	LBS	POUNDS	STD	STANDARD
CW	COLD WATER	LF	LINEAR FOOT (FEET)	STL	STEEL
DB	DRY BULB	LP	PROPANE	STOR	STORAGE
DCW	DOMESTIC COLD WATER	LPV	PROPANE VENT	STRUCT	STRUCTURAL
DEMO	DEMOLISH OR DEMOLITION	MATL	MATERIAL	SUSP	SUSPENDED
DHR	DOMESTIC HOT WATER RETURN	MAX	MAXIMUM	TD	TRENCH DRAIN
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MECH	MECHANICAL	THK	THICKNESS
DHW	DOMESTIC HOT WATER	MED	MEDIUM	TLT	TOILET
DHW(140)	DOMESTIC HOT WATER (140°)	MFR	MANUFACTURER	TMV	THERMOSTATIC MIXING VALVE
DI	DRAIN INLET	MH	MANHOLE	TOSL	TOP OF SLAB
DIA	DIAMETER	MIN	MINIMUM	TW	TEMPERATURE TEMPERED WATER (80° F)
DIP	DUCTILE IRON PIPE	MISC	MISCELLANEOUS	TYP	TYPICAL
DN	DOWN	MTD	MOUNTED	UG	UNDERGROUND
DN	DOWN	N	NORTH	UNO	UNLESS NOTED (INDICATED) OTHERWISE
DR-X	COMPRESSED AIR DRYER DESIGNATION	N/A	NOT APPLICABLE/AVAILABLE	V	VENT
DC	DRAIN TILE	NC	NORMALLY CLOSED	VAC	VACUUM
DT	DETAIL	NG	NATURAL GAS	VB	VACUUM BREAKER
DTL	DETAIL	NGV	NATURAL GAS VENT	VERT	VERTICAL
DTW	DOMESTIC TEMPERED WATER	NIC	NOT IN CONTRACT	VTR	VENT THROUGH ROOF
DWG	DRAWING	NO	NORMALLY OPEN	W	WEST
DWP	DOMESTIC WATER BOOSTER PUMP	NO, (F)	NUMBER	W	WITH
E	EAST	NOM	NOMINAL	WO	WITHOUT
ED	EMERGENCY SECONDARY ROOF DRAIN	OC	ON CENTER	WB	WATER HAMMER ARRESTER
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER	WC	WATER CLOSET
ELEV	ELEVATION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WCO	WALL CLEANOUT
EPBD	ELECTRICAL PANELBOARD	OFF	OFFICE	WSPH	WATER SOURCE HEAT PUMP
EQ	EQUAL	OH	OVERHEAD	WWF	WELDED WIRE FABRIC
EQUIP	EQUIPMENT	OPNG	OPENING	WWM	WELDED WIRE MESH
ETR	EXISTING TO REMAIN	OPP	OPPOSITE	XFMR	TRANSFORMER

GRAPHICS SYMBOLS LEGEND



PUMP SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	SYSTEM TYPE	PUMP TYPE	OPERATING DATA				ELECTRICAL DATA			CONNECTION SIZE		NOTES	
	MANUFACTURER	MODEL				FLOW (GPM)	PRESSURE (FT)	EFFICIENCY	POWER (HP)	SPEED (RPM)	VOLTS	PHASE	HERTZ	INLET (IN)		OUTLET (IN)
RCP-1	TACO	L1034 - 0.75	JAN 3002	DHR	CIRCULATOR	5	10	84	0.025	3250	120	1	60	3/4"	3/4"	1
SP-1	STANCOR	SV-100	ELEV 1EL3	DEWATERING	SEWAGE	50	25	80	1	3450	120	1	60	2"	2"	

1. PROVIDE ECM-CONTROLLED RECIRCULATION PUMP WITH INTEGRAL TEMPERATURE AND PRESSURE SENSORS AND LOGIC. UNIT SHALL BE FULLY ADJUSTABLE FOR VARYING FIELD CONDITIONS.

ELECTRIC WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	CAPACITY (GALLONS)	RECOVERY RATE (GPH)	TEMPERATURE RISE (°F)	TEMPERATURE SETTING (°F)	INPUT RATE (KW)	ELECTRICAL DATA			NOTES
	MANUFACTURER	MODEL							VOLTAGE	PHASE	HERTZ	
EWV-1	AO SMITH	DEL-20	JAN 3002	20	41	60	120	6.1	208	3	60	1

1. KW INPUT RATE FOR ELECTRIC WATER HEATERS BASED ON FULL LOAD SIMULTANEOUS OPERATION.
2. PROVIDE PARALLEL INSTALLATIONS WITH PRECISION CUT EQUAL LEG PIPING, REVERSE-RETURN MANIFOLD PIPING, OR MANUFACTURER'S MANIFOLD INSTALLATION KIT. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS AND RECOMMENDATIONS.

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	HEIGHT A F.F.	BASIS OF DESIGN	PIPE SIZE				NOTES
				COLD WATER	TEPID WATER	HOT WATER	VENT	
EWC-1	BI-LEVEL WATER COOLER (ACCESSIBLE)	TOP OF BUBBLER AT 39", LOWER AT 34"		1/2"			1 1/2"	1
LA-1	WALL-HUNG LAVATORY (ACCESSIBLE) WITH MANUALLY-OPERATED FAUCET	RIM AT 34"	FIXTURE: ZURN Z5340 FAUCET: MOEN M-DURA 8215F05	1/2"			1 1/2"	1,3
LA-2	COUNTER MOUNTED LAVATORY WITH MANUALLY-OPERATED FAUCET	COUNTER MOUNTED REFER TO ARCH DRAWINGS	FIXTURE: ZURN Z5110 FAUCET: MOEN M-DURA 8215F05	1/2"			1 1/2"	1,3
MB-1	MOP BASIN (32" x 32")	RIM AT 12"	FIXTURE: ZURN Z58001 FAUCET: ZURN Z543M1-XL-CS-HCT	3/4"			2"	3"
SK-1	SINK - SINGLE BASIN	COUNTER MOUNTED REFER TO ARCH DWGS		1/2"			1 1/2"	1 1/2"
UR-1	URINAL (ACCESSIBLE)	RIM AT 17"		3/4"			2"	2"
UR-2	URINAL	RIM AT 24"	FIXTURE: VALVE:	3/4"			2"	2"
WC-1	FLOOR MOUNTED WATER CLOSET (ACCESSIBLE)	TOP OF SEAT 17"		1"			2"	4"
WC-2	FLOOR MOUNTED WATER CLOSET	TOP OF SEAT 15"		1"			2"	4"
WSB-1	ICE MAKER OUTLET BOX	BOTTOM AT 8"	FIXTURE: GUYGRAY BIM675GTSAB	1/2"				

1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE USBC AND ASAD ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. LOCATE FLUSH ACTUATORS ON WIDE SIDE OF STALLS OR APPROACH AREAS.
3. PROVIDE ASSE-1070 CERTIFIED MIXING VALVE IN STAINLESS STEEL WALL CABINET, ABOVE CEILING, OR BELOW FIXTURE ACCESSIBLE BUT CONCEALED FROM VIEW.
4. PROVIDE ASSE-1016 CERTIFIED MIXING VALVE.
5. PROVIDE ASSE-1071 CERTIFIED EMERGENCY MIXING VALVE IN STAINLESS STEEL WALL CABINET.
6. PROVIDE DISHWASHER HOOK-UP WHERE DISHWASHER IS PRESENT. CONNECT HW IN SINK BASE AND CONNECT SANITARY THRU AIR GAP FITTING OR HIGH LOOSE HOSE DRAIN INTO DISHWASHER TAIL PIECE SINK DRAIN.

GENERAL DATA

PLUMBING GENERAL DATA			
Item		Existing Value	Reno Value
SERVICE SIZING			
INSTANTANEOUS DEMAND (GPM)		143	143
SUPPLY FIXTURE UNITS (SFU)		468	468
DRAINAGE FIXTURE UNITS (DFU)		350	334
STORM DRAINAGE			
AREA OF ROOF (SQUARE FEET)		31500	31500
AREA OF WALL ABOVE/ADJACENT TO ROOF (SQUARE FEET)		950	950
TOTAL ROOF DRAINAGE (SQUARE FEET)		32550	32550
WATER HEATERS			
NUMBER		2	2
HOT WATER REQUIRED		75GPH	70GPH
FUEL USED		ELEC	ELEC

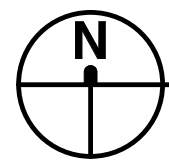
GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
B. COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.
C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.
D. PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.
E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING FIXTURES.
F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.
G. INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
H. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.
I. PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.

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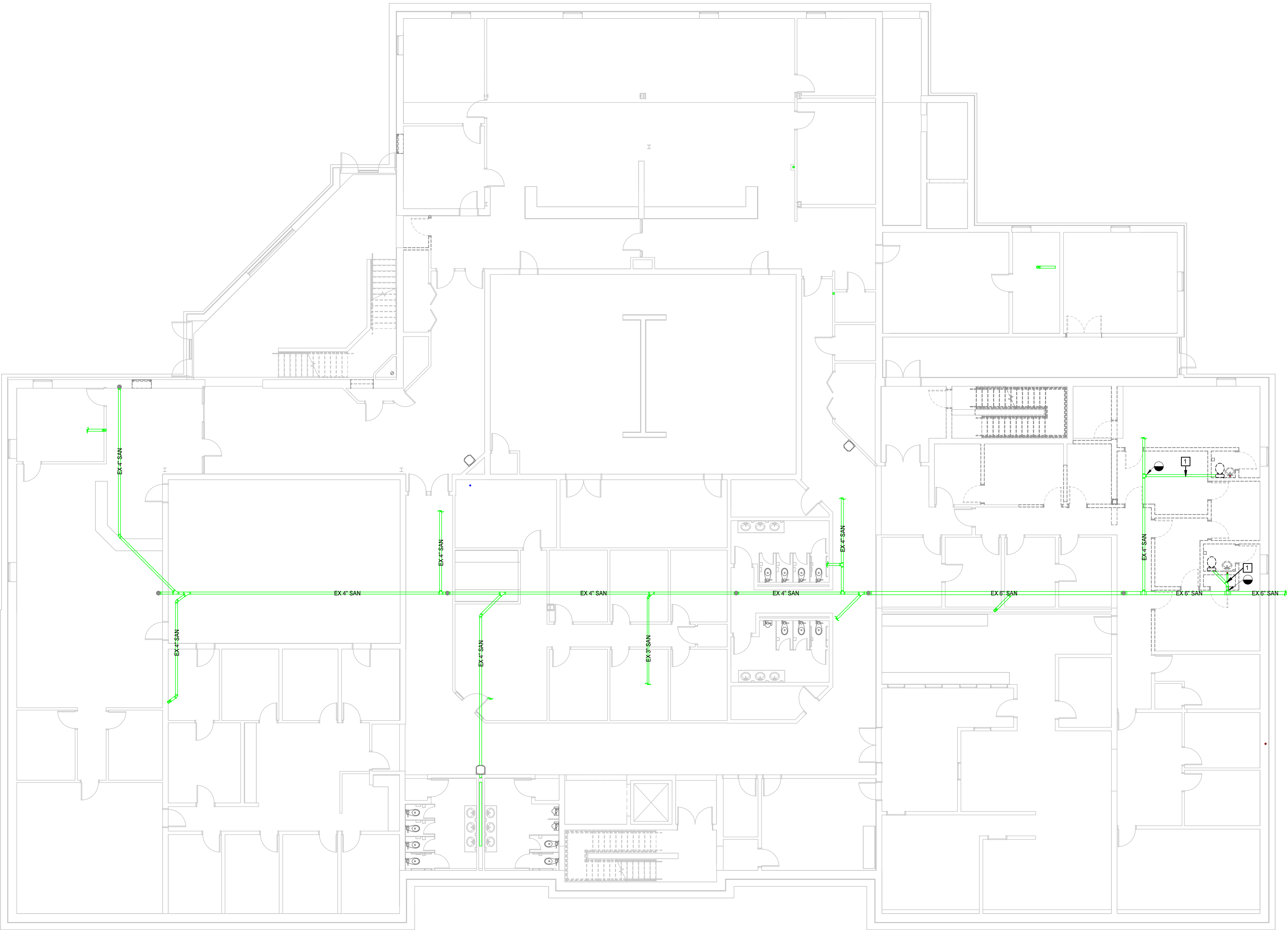
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FOUNDATION PLAN - DEMOLITION - PLUMBING

1/8" = 1'-0"



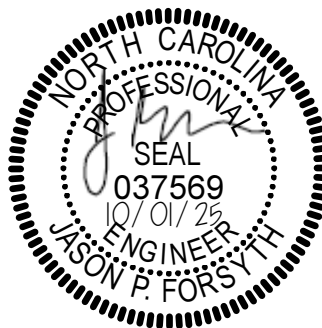
PLAN NOTES

- EXISTING PIPING ARE FROM RECORD DRAWINGS G.W. FRANCIS ASSOCIATES, P.A. SEPTEMBER 1984 DATE PLANS.
- EXISTING PIPING TO REMAIN UNLESS NOTED OTHERWISE.

KEYNOTES

APPLIES TO THIS DRAWING

- REMOVE EXISTING SANITARY BACK TO POINT INDICATED AND CAP.



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HALIFAX COUNTY
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HALIFAX, NC 27839

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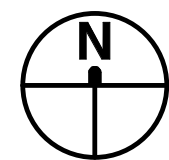
REVISIONS
DATE DESCRIPTION

FOUNDATION PLAN -
DEMOLITION -
PLUMBING

P1.0

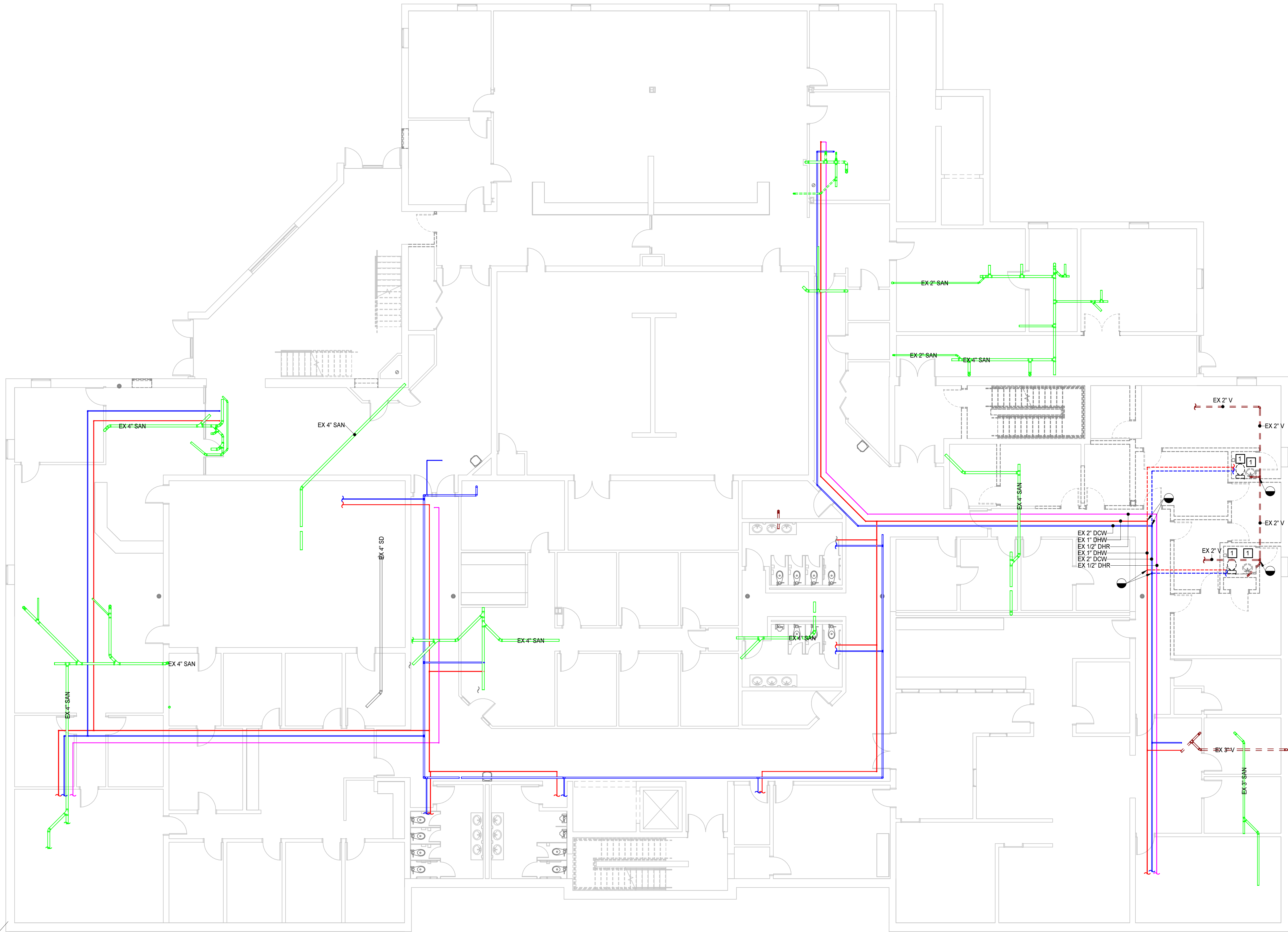
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FIRST FLOOR PLAN - DEMOLITION - PLUMBING

1/8" = 1'-0"



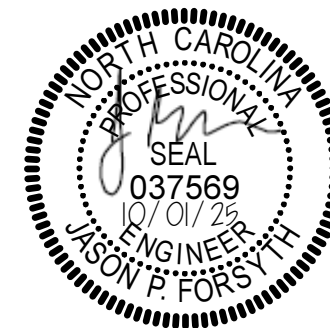
PLAN NOTES

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- EXISTING PIPING TO REMAIN UNLESS NOTED OTHERWISE.

KEYNOTES

APPLIES TO THIS DRAWING

- REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING, FITTINGS, AND ACCESSORIES COMPLETE BACK TO POINT INDICATED AND CAP.



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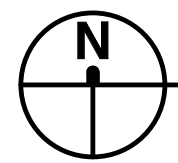
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REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN -
DEMOLITION -
PLUMBING

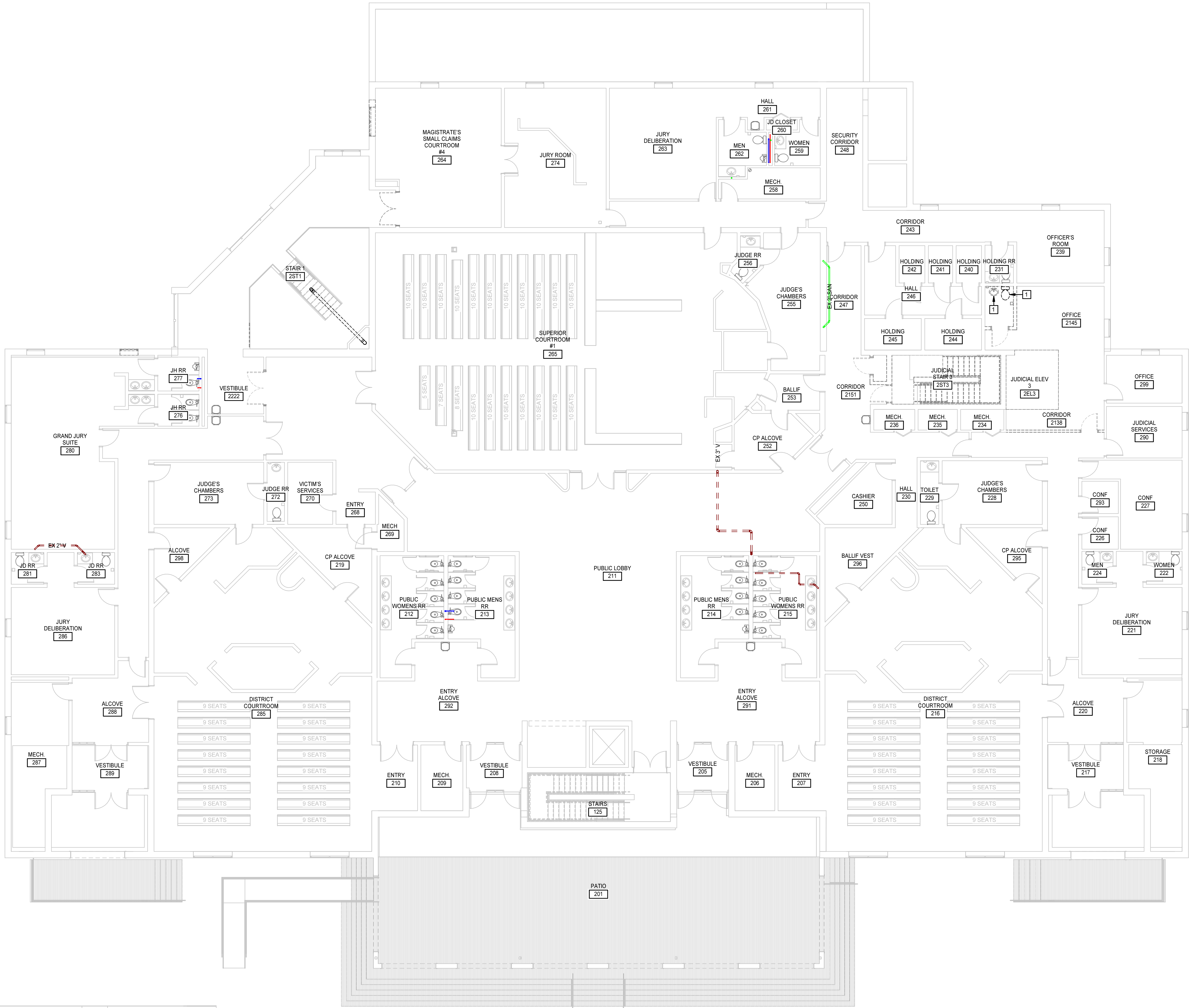
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SECOND FLOOR PLAN - DEMOLITION - PLUMBING

1/8" = 1'-0"



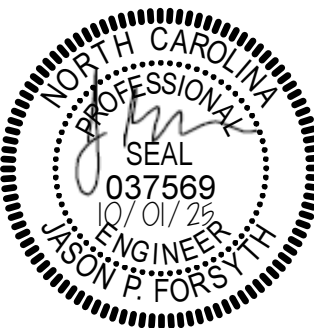
PLAN NOTES

- EXISTING PIPING ARE FROM RECORD DRAWINGS G.W. FRANCIS ASSOCIATES, P.A. SEPTEMBER 1984 DATE PLANS.
- EXISTING PIPING TO REMAIN UNLESS NOTED OTHERWISE.

KEYNOTES

APPLIES TO THIS DRAWING

- REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING, FITTINGS, AND ACCESSORIES COMPLETE BACK TO POINT INDICATED AND CAP.

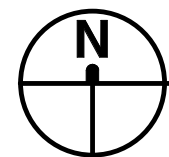


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DATE	DESCRIPTION

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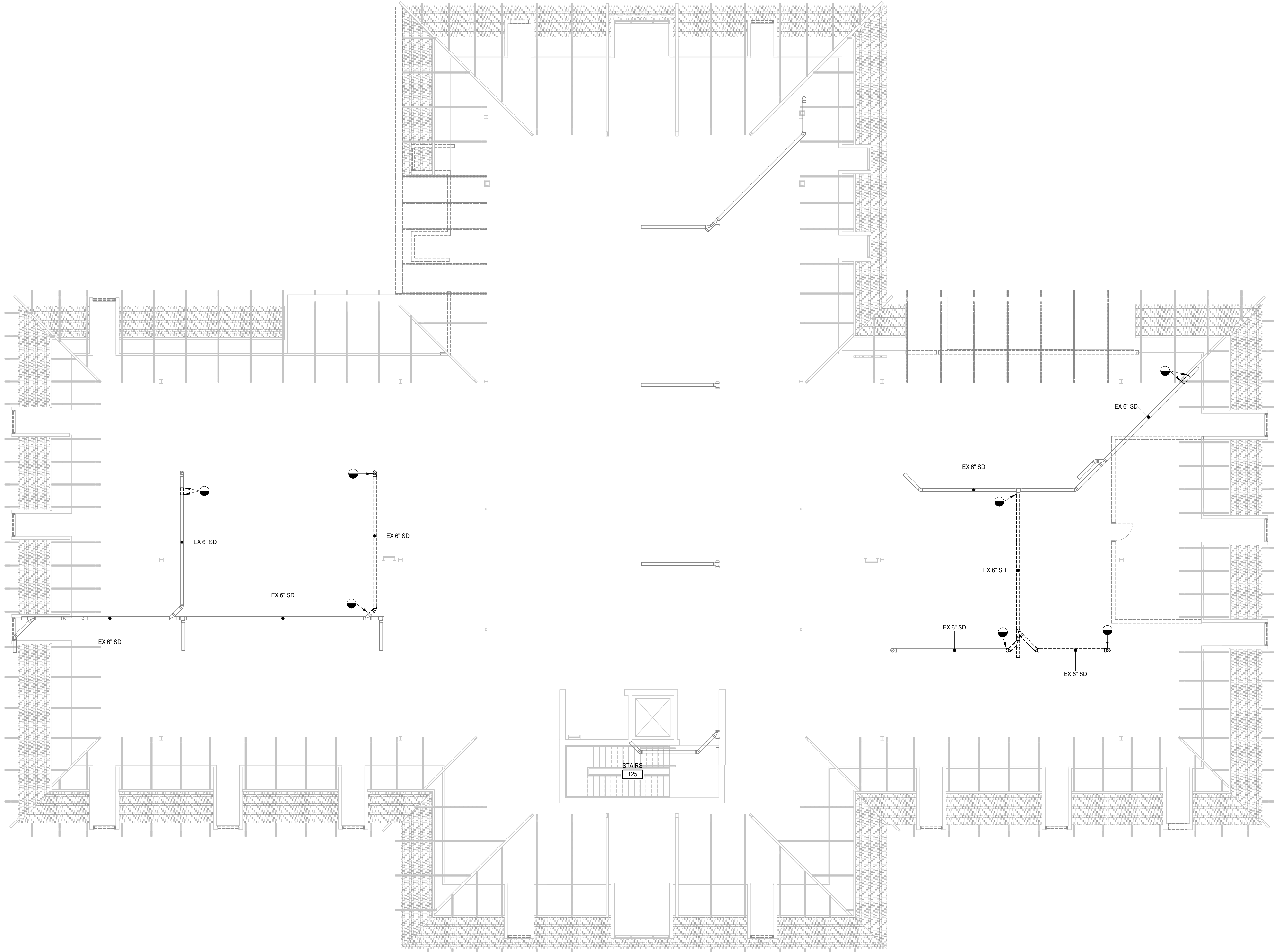
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THIRD FLOOR PLAN - DEMOLITION - PLUMBING

1/8" = 1'-0"



PLAN NOTES

- EXISTING PIPING ARE FROM RECORD DRAWINGS G.W. FRANCIS ASSOCIATES, P.A. SEPTEMBER 1984 DATE PLANS.
- EXISTING PIPING TO REMAIN UNLESS NOTED OTHERWISE.



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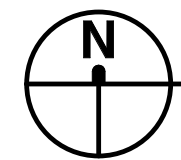
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DATE: 10/01/2025

REVISIONS	
DATE	DESCRIPTION

THIRD FLOOR PLAN -
DEMOLITION -
PLUMBING

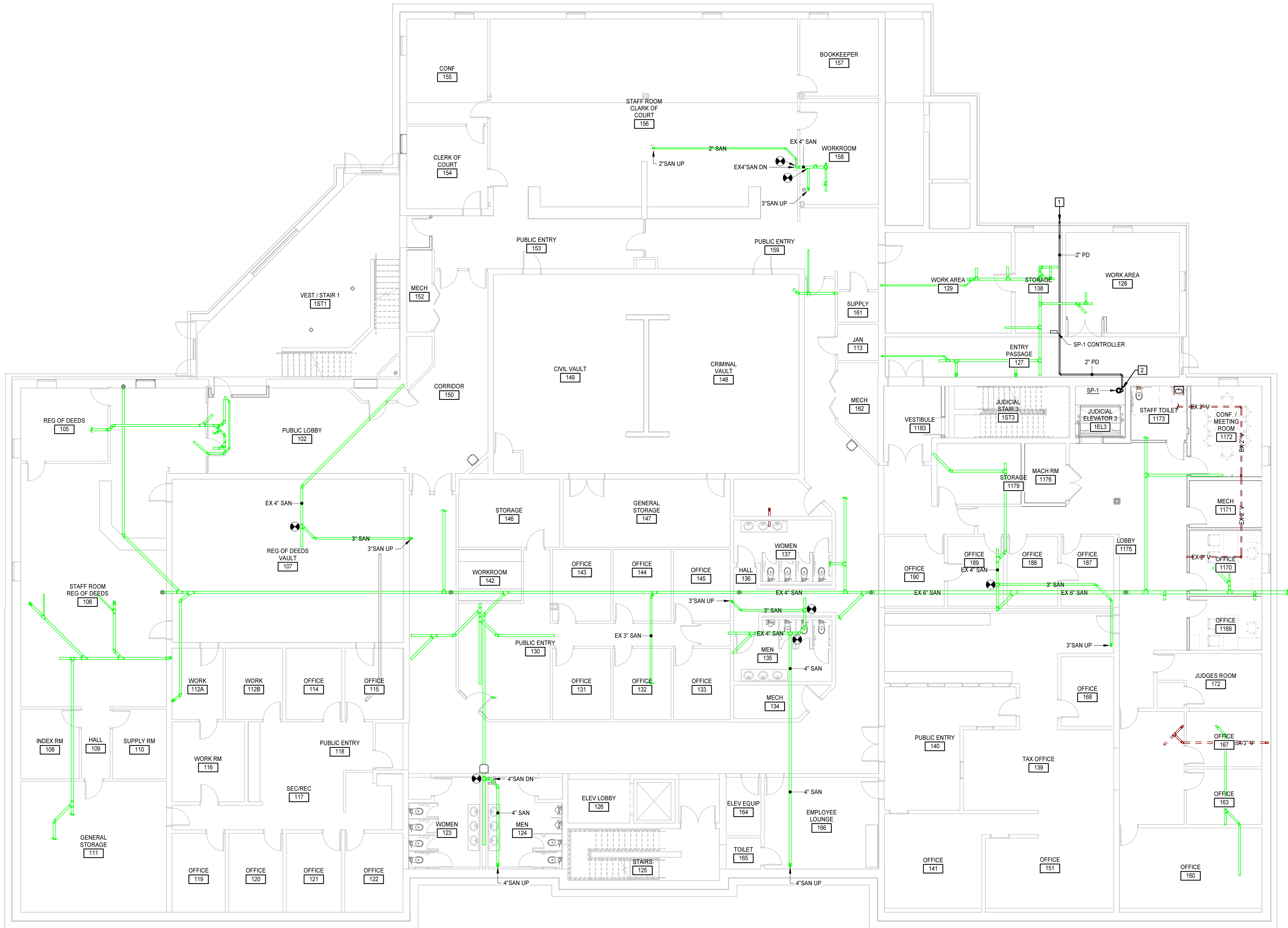
P1.3

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FIRST FLOOR PLAN - NEW WORK - SANITARY

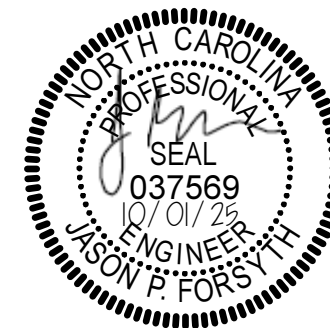
1/8" = 1'-0"



KEYNOTES

APPLIES TO THIS DRAWING

- 1 2" PUMP DISCHARGE TO CONCRETE SPLASH BLOCK - MINIMUM 18" AFG.
- 2 2" PD DN TO SUMP PUMP, REFER TO ELEVATOR SUMP PUMP DETAIL.



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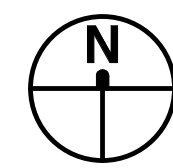
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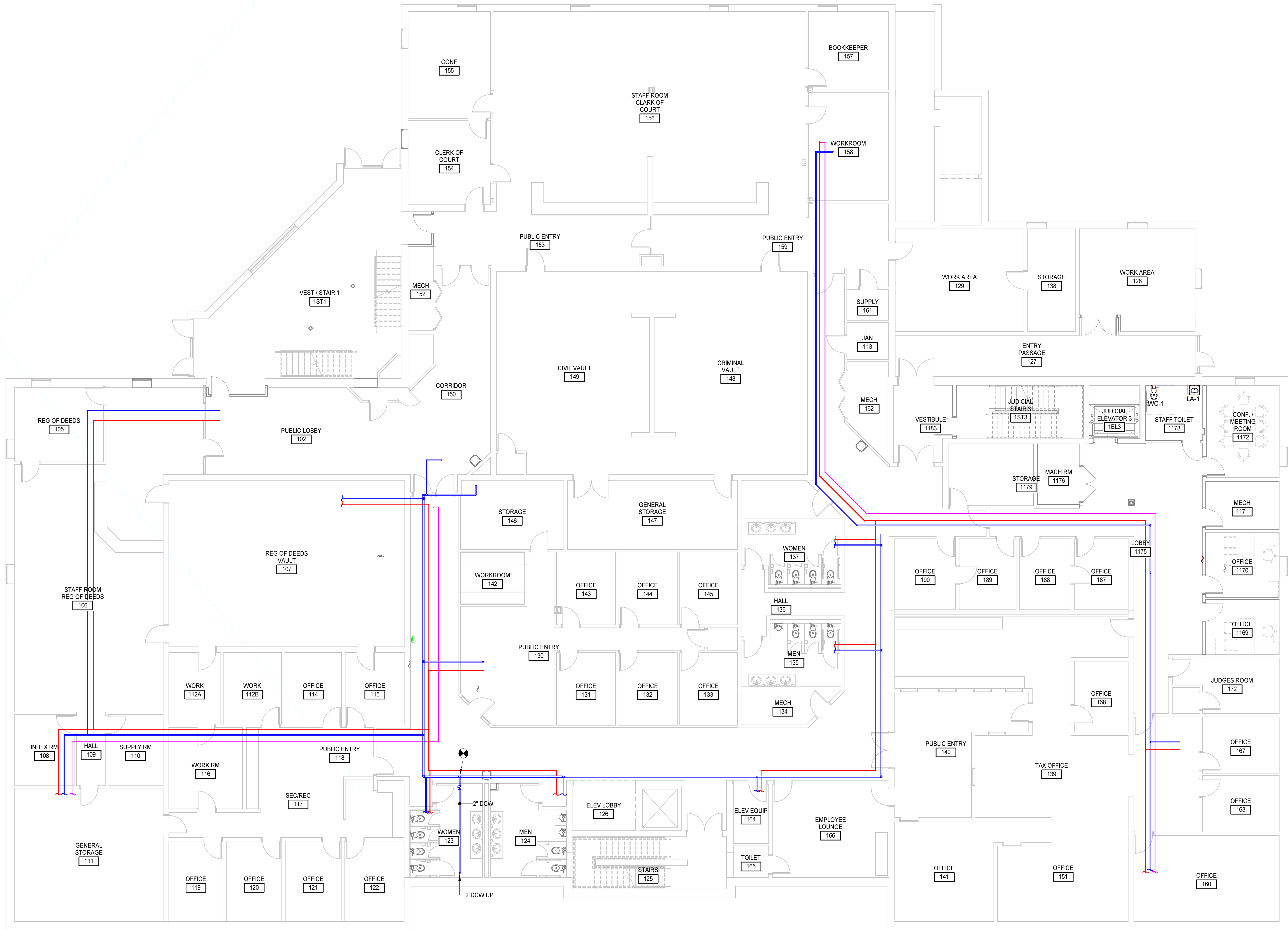
DATE DESCRIPTION

FIRST FLOOR PLAN -
NEW WORK - SANITARY



FIRST FLOOR PLAN - NEW WORK - DOMESTIC

1/8" = 1'-0"



PROJECT NO:	613024
DATE:	10/01/2025
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN -
NEW WORK - DOMESTIC

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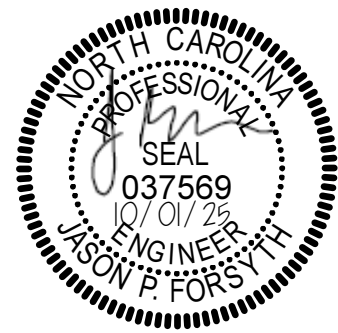
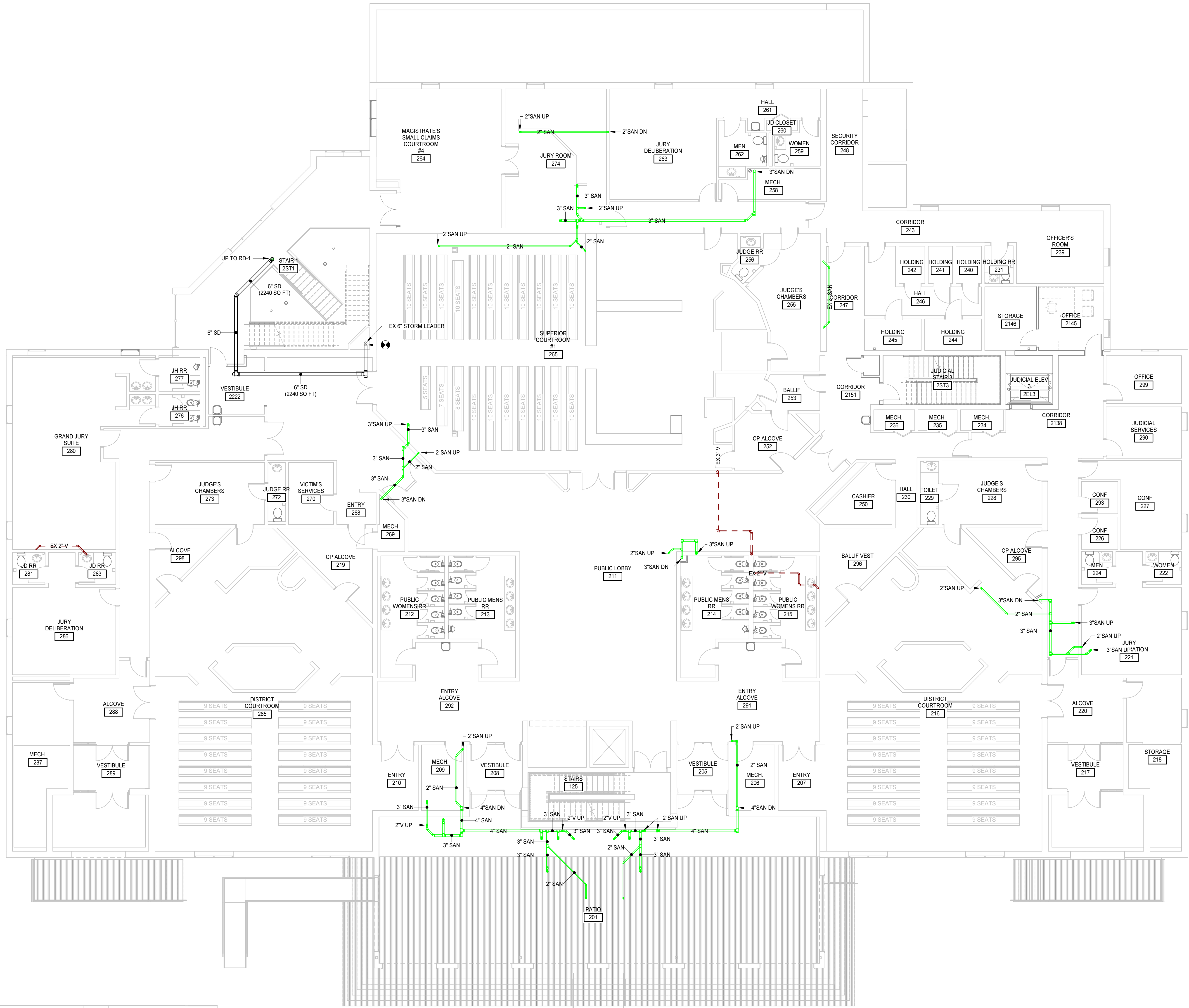
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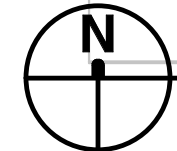


SECOND FLOOR PLAN - NEW WORK - SANITARY

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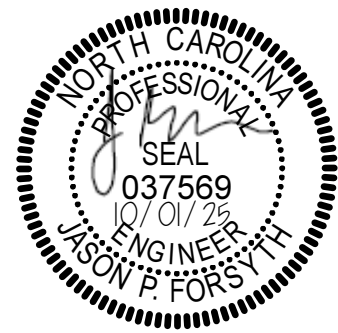
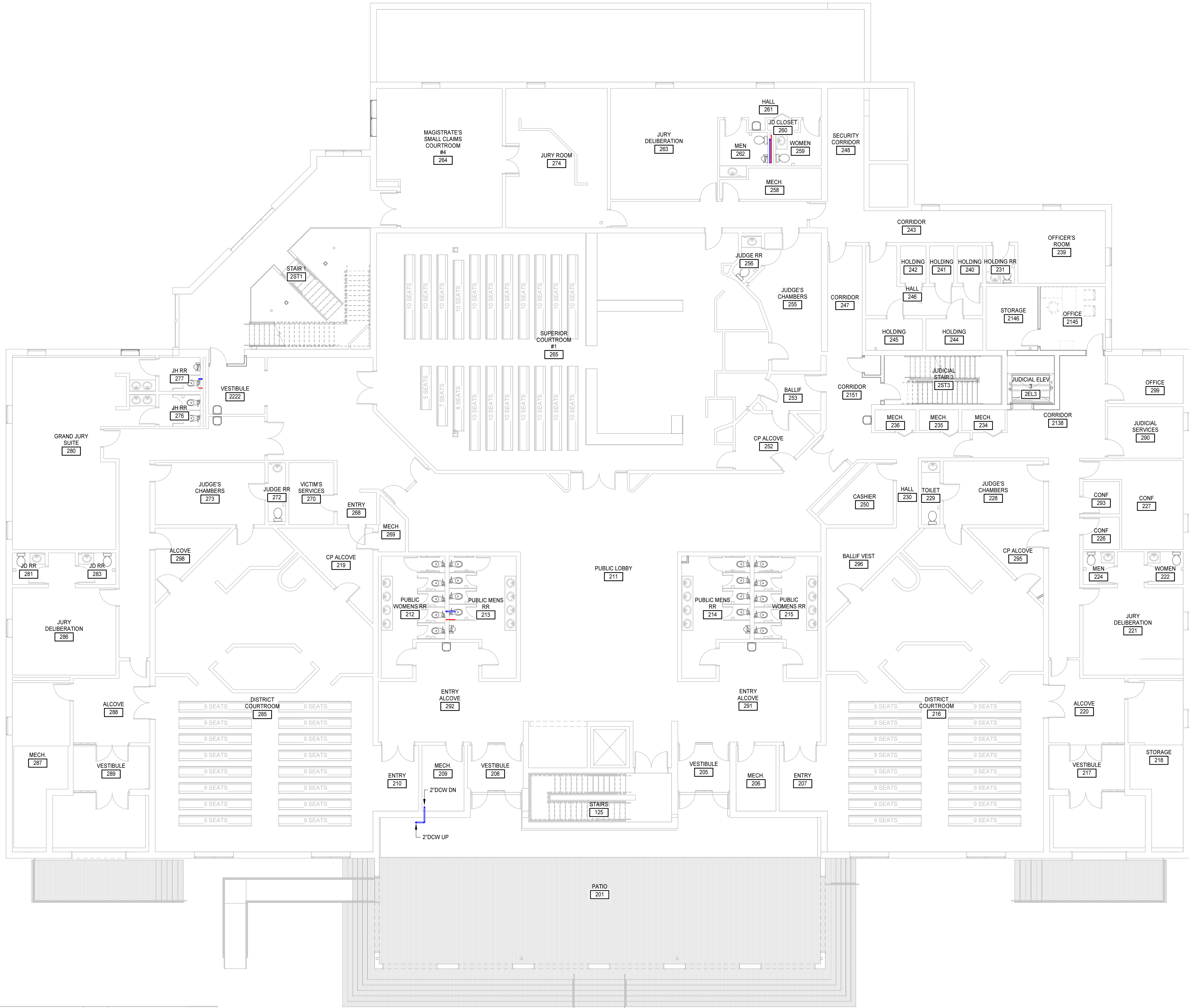


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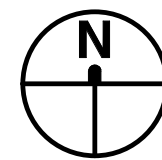


SECOND FLOOR PLAN - NEW WORK - DOMESTIC

1/8" = 1'-0"

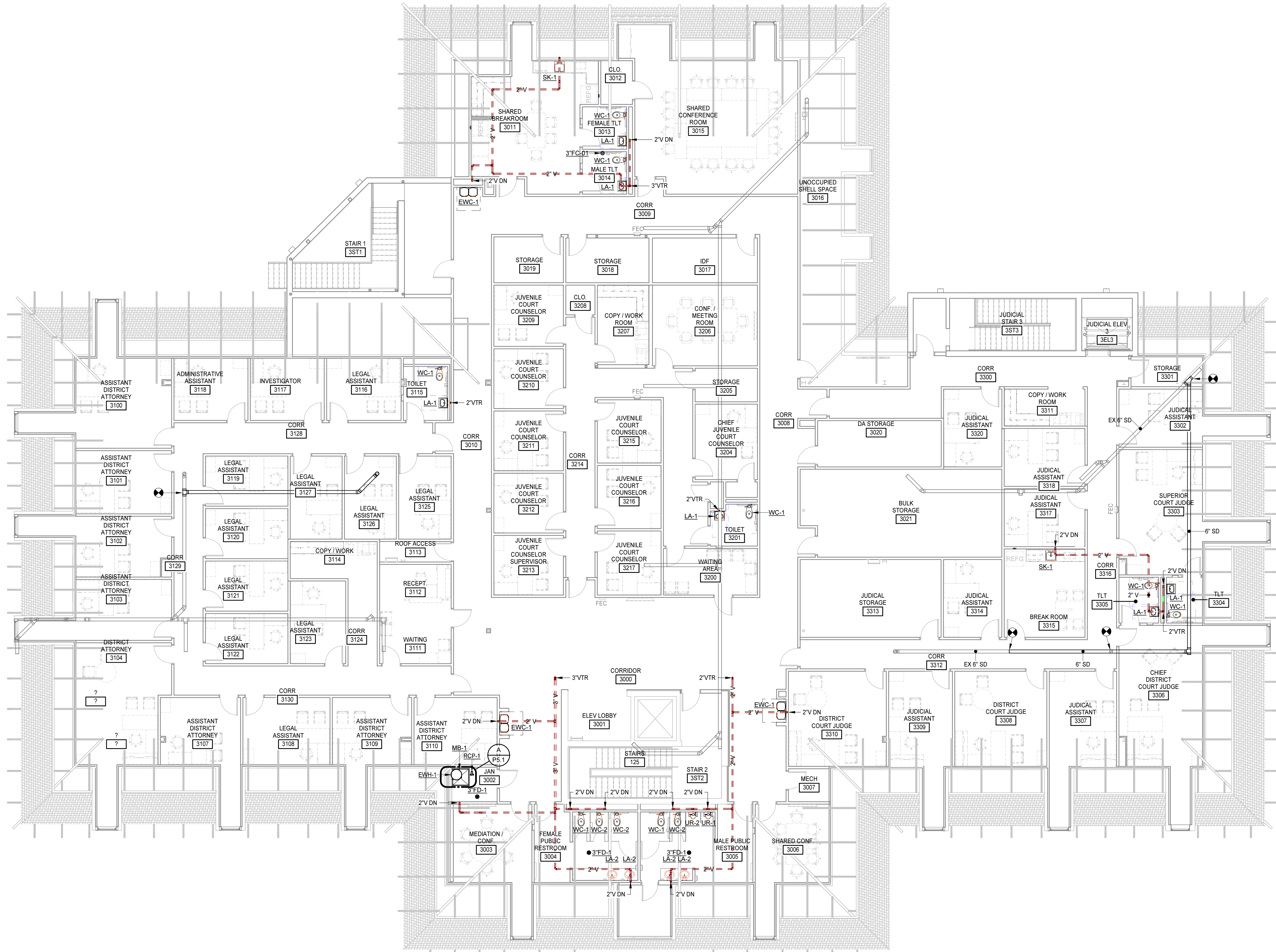


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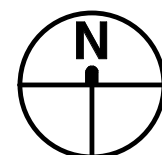


THIRD FLOOR PLAN - NEW WORK - SANITARY

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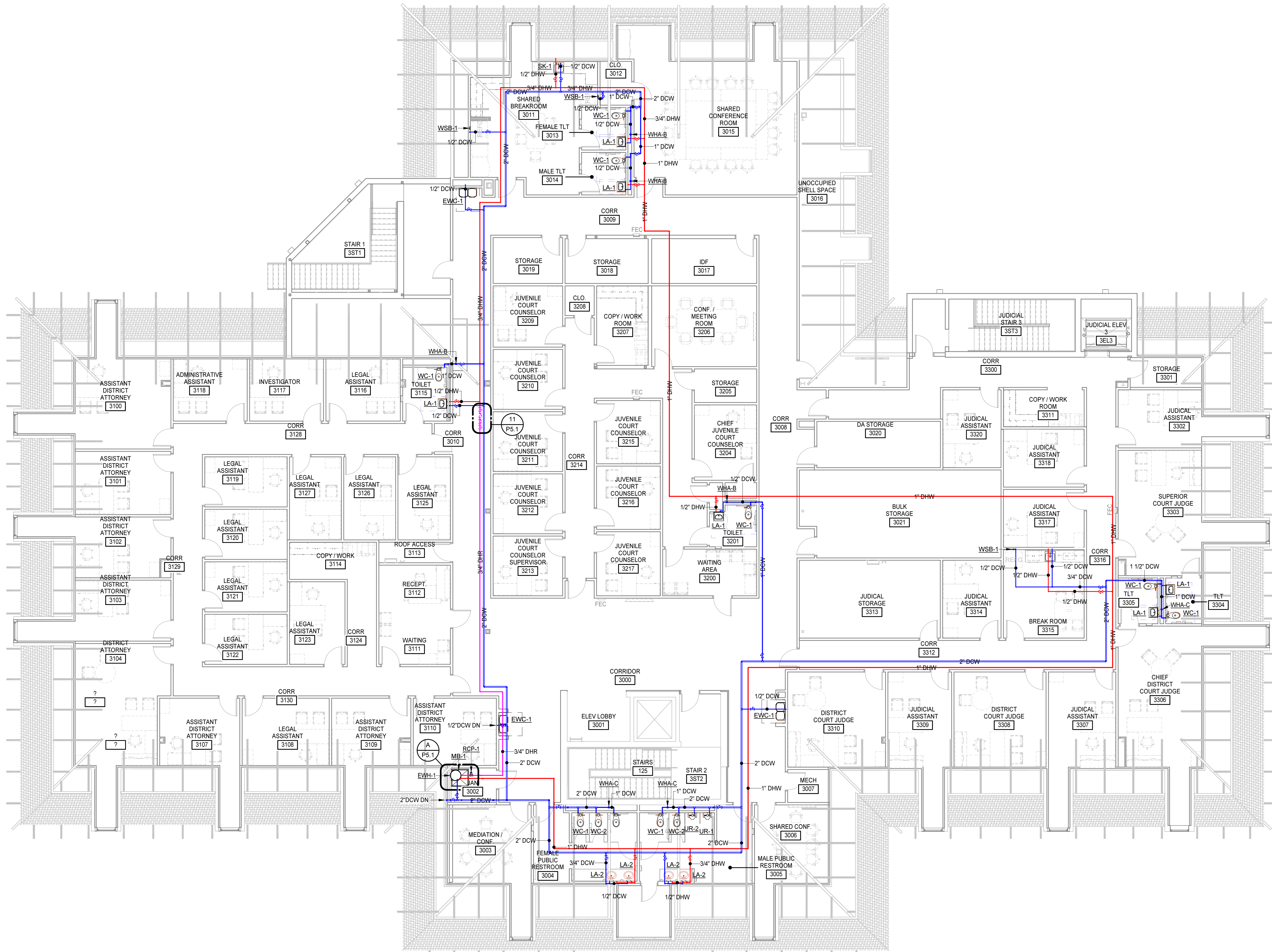


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REVISIONS	
DATE	DESCRIPTION

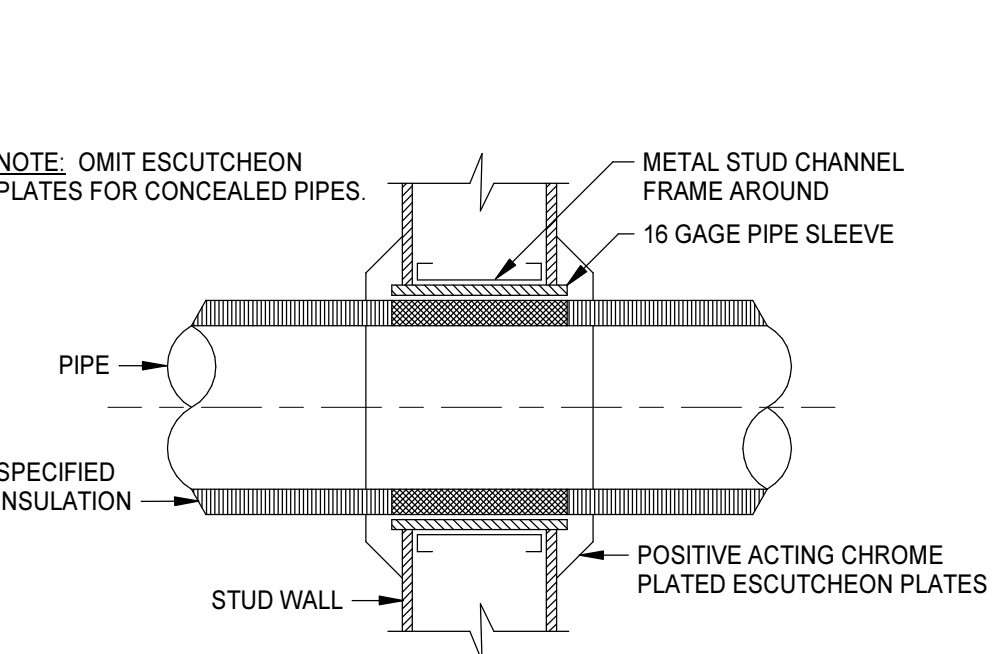


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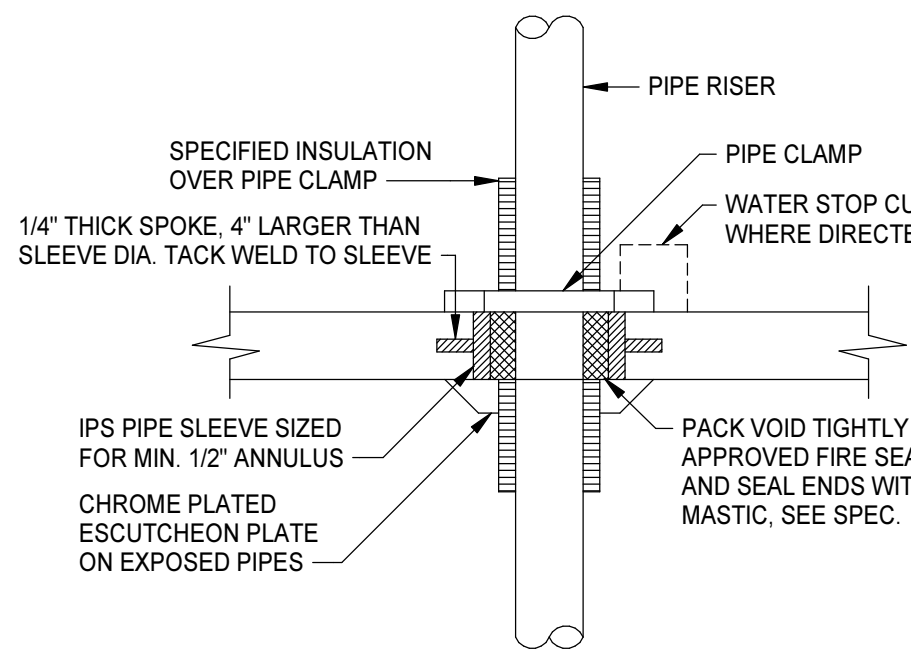
1/8" = 1'-0"



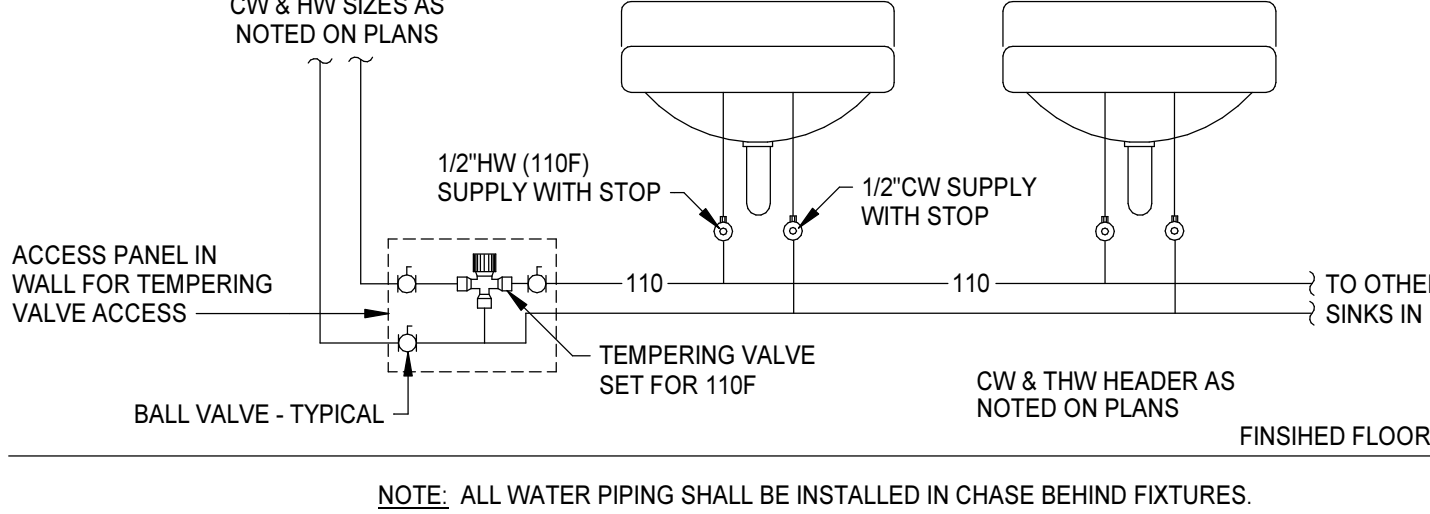
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DATE	DESCRIPTION



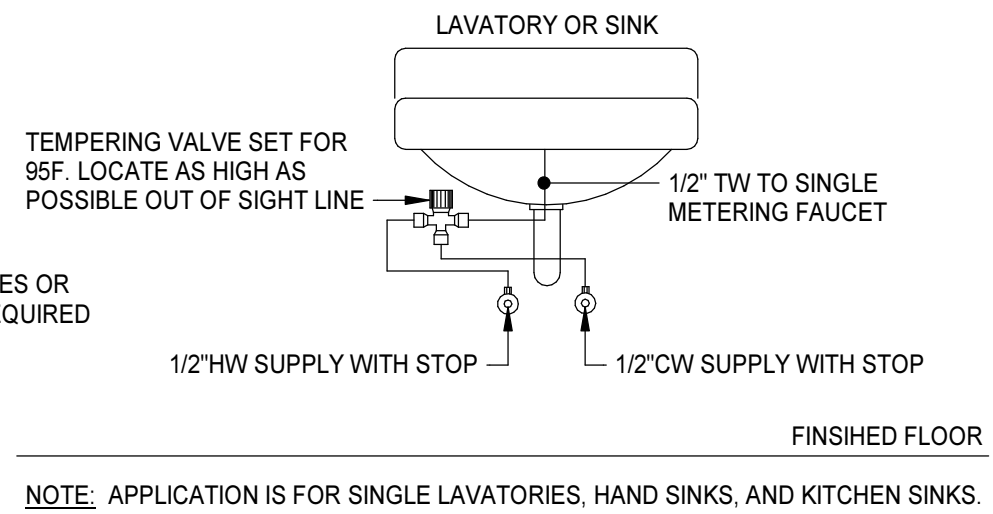
PIPE THRU STUD WALL DETAIL
NO SCALE



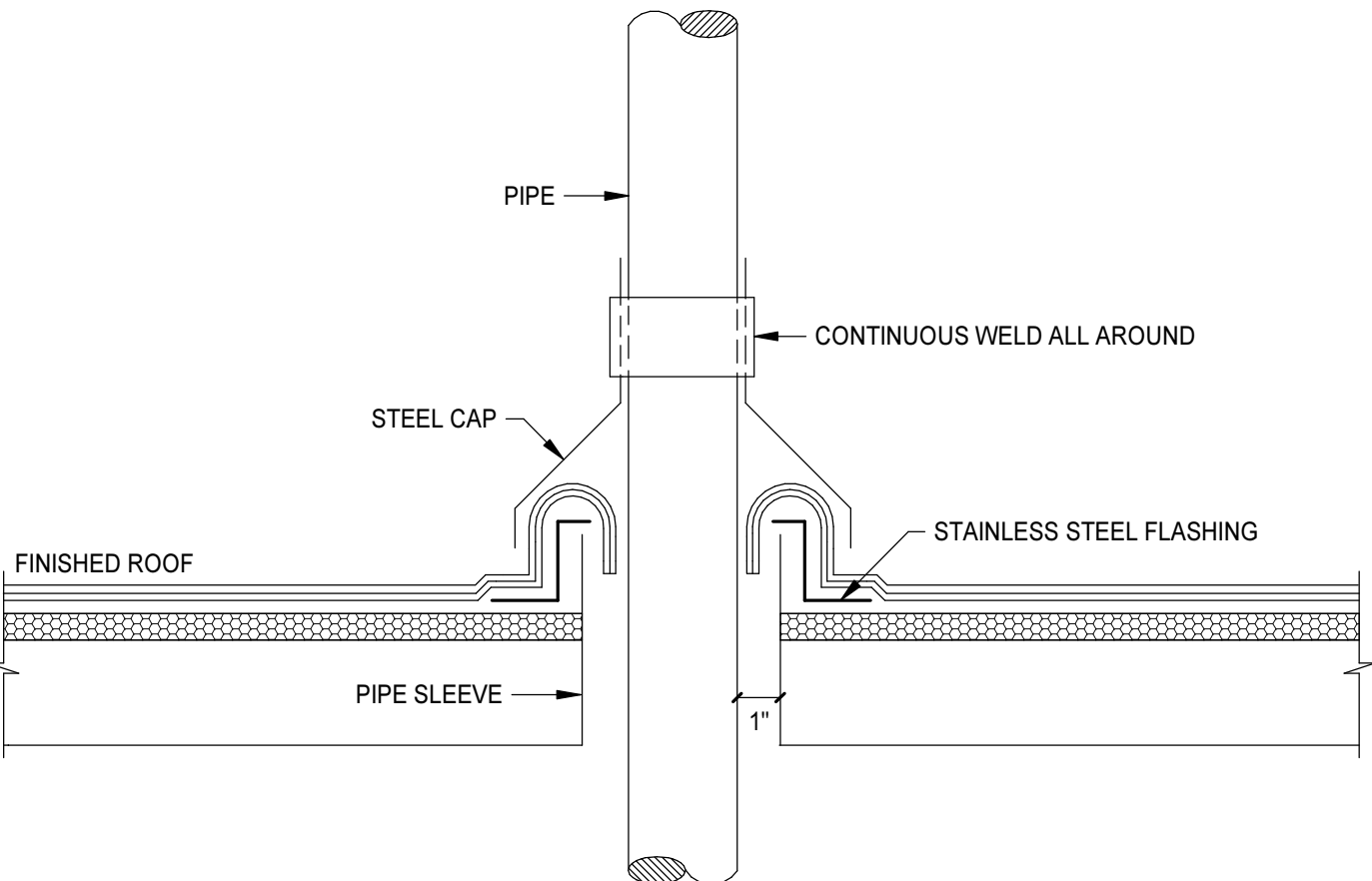
PIPE THRU FLOOR SLAB DETAIL
NO SCALE



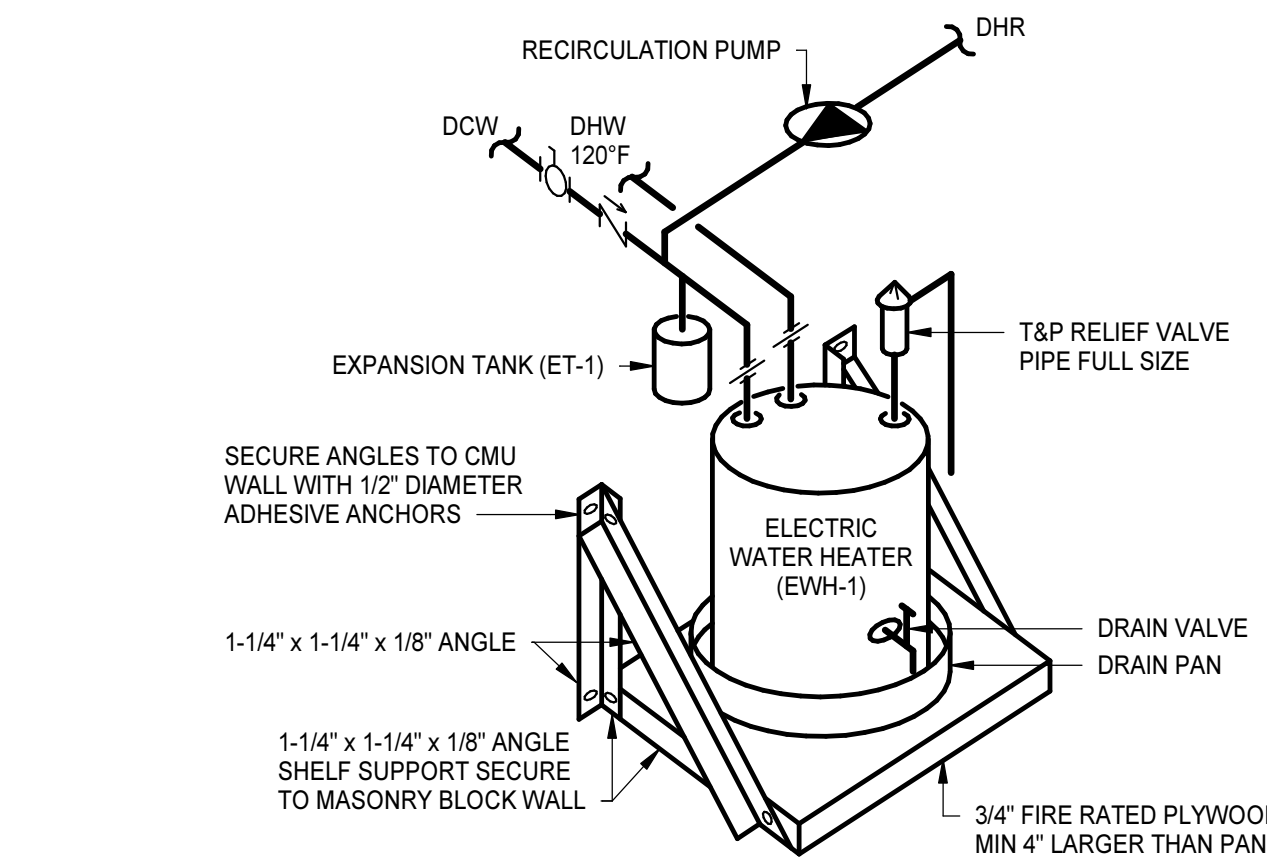
LAVATORY SUPPLY DETAIL
NO SCALE



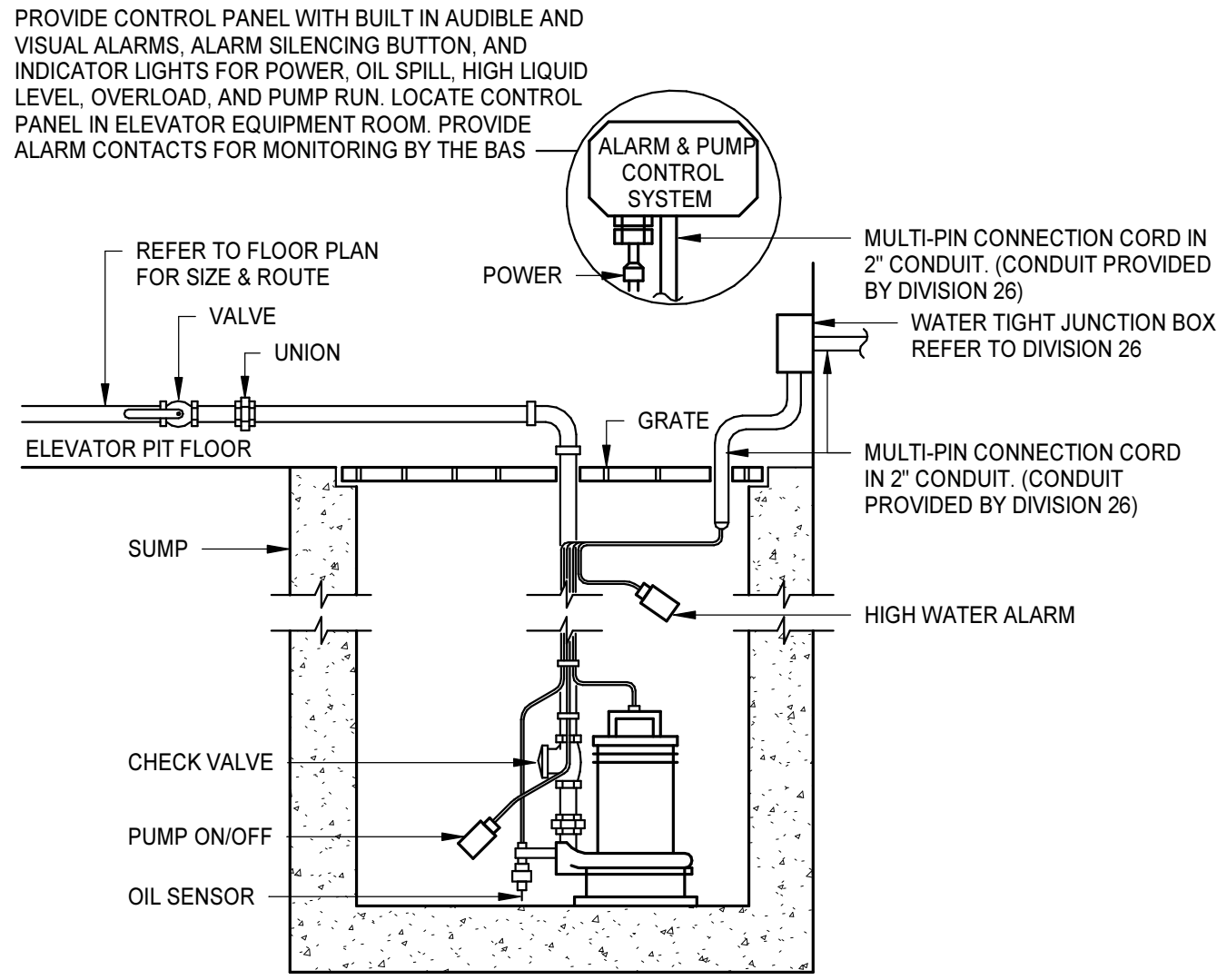
FLOOR DRAIN IN OPEN AREA DETAIL
NO SCALE



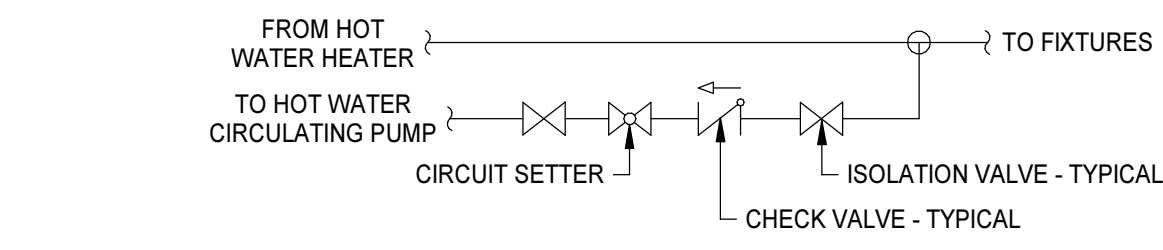
UNINSULATED PIPE THRU ROOF DETAIL
NO SCALE



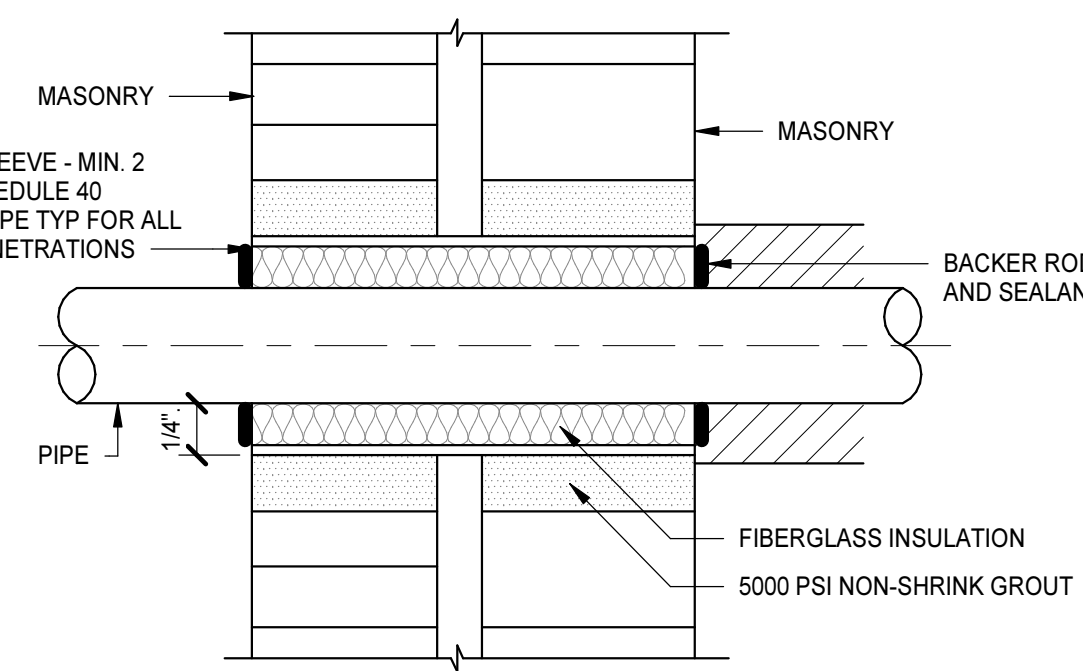
WALL MOUNTED ELECTRIC WATER HEATER DETAIL
NO SCALE



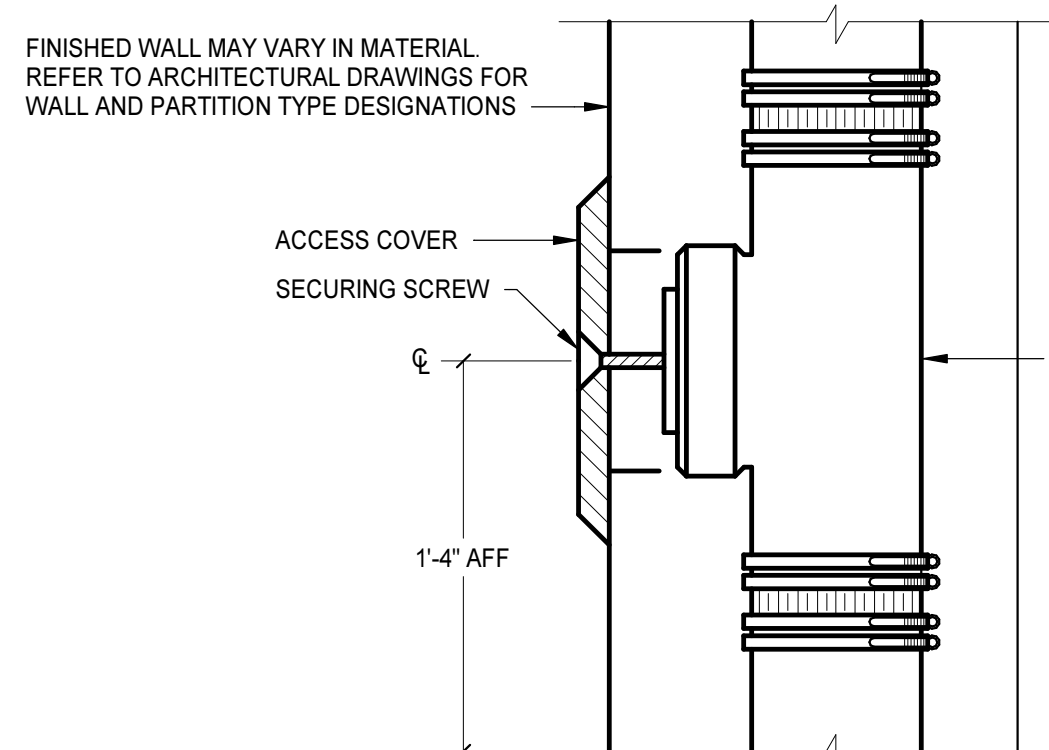
ELEVATOR SUMP PUMP DETAIL
NO SCALE



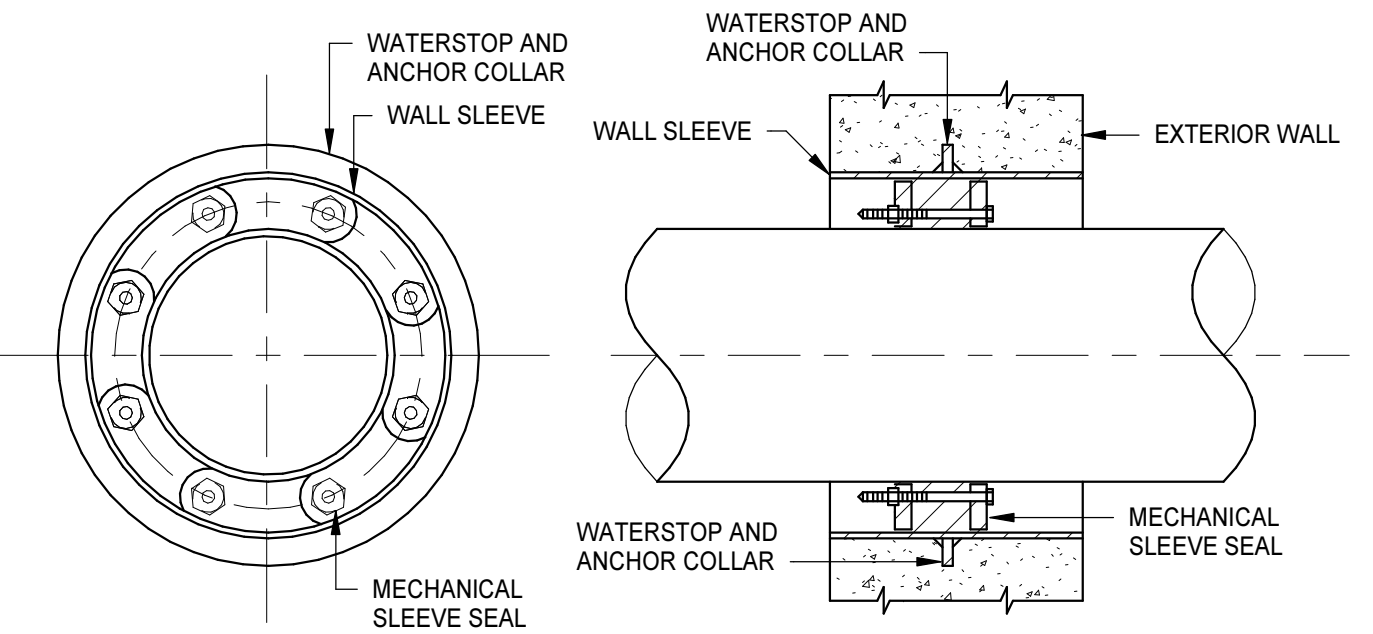
HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL
NO SCALE



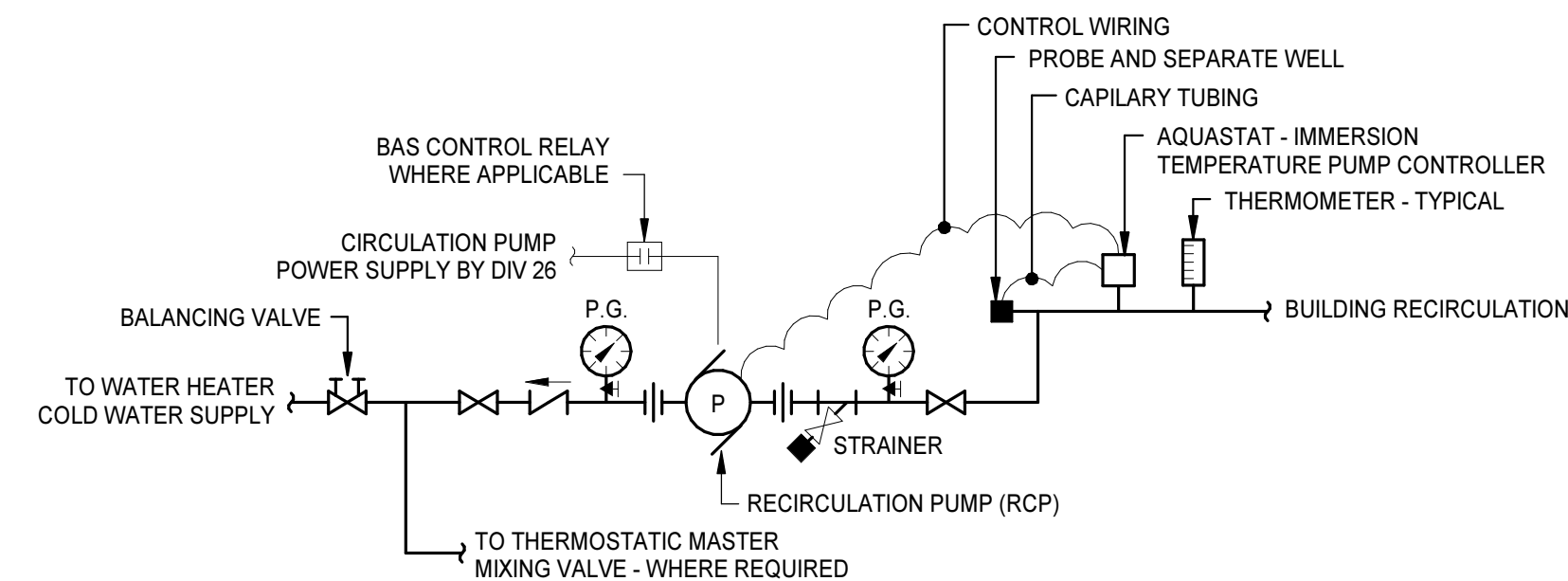
PIPE SLEEVE DETAIL
NO SCALE



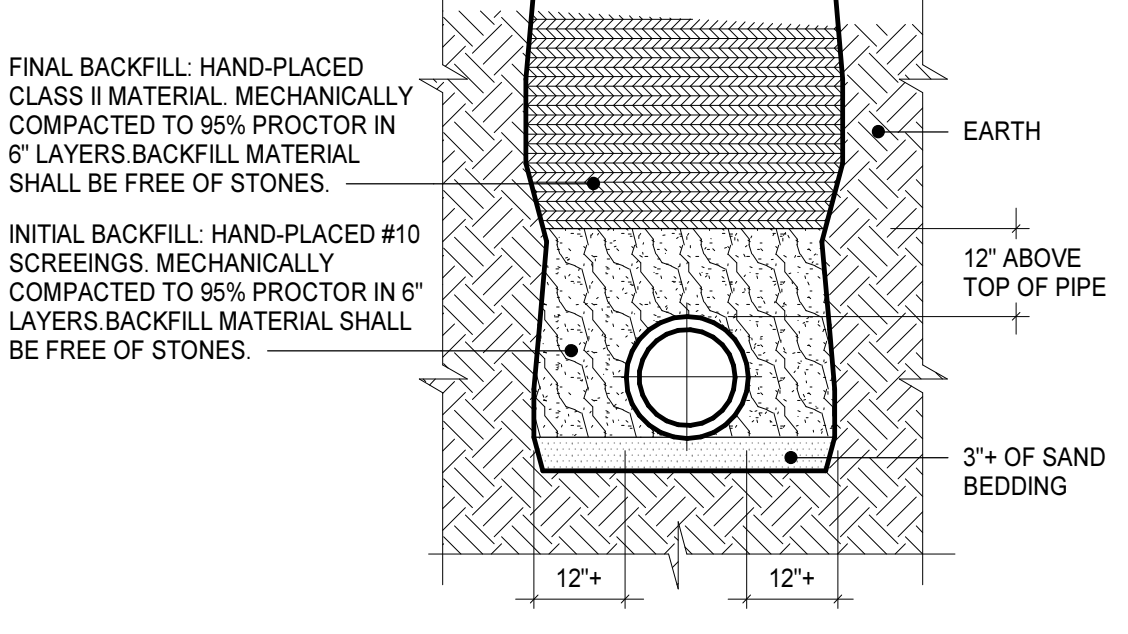
WALL CLEANOUT DETAIL
NO SCALE



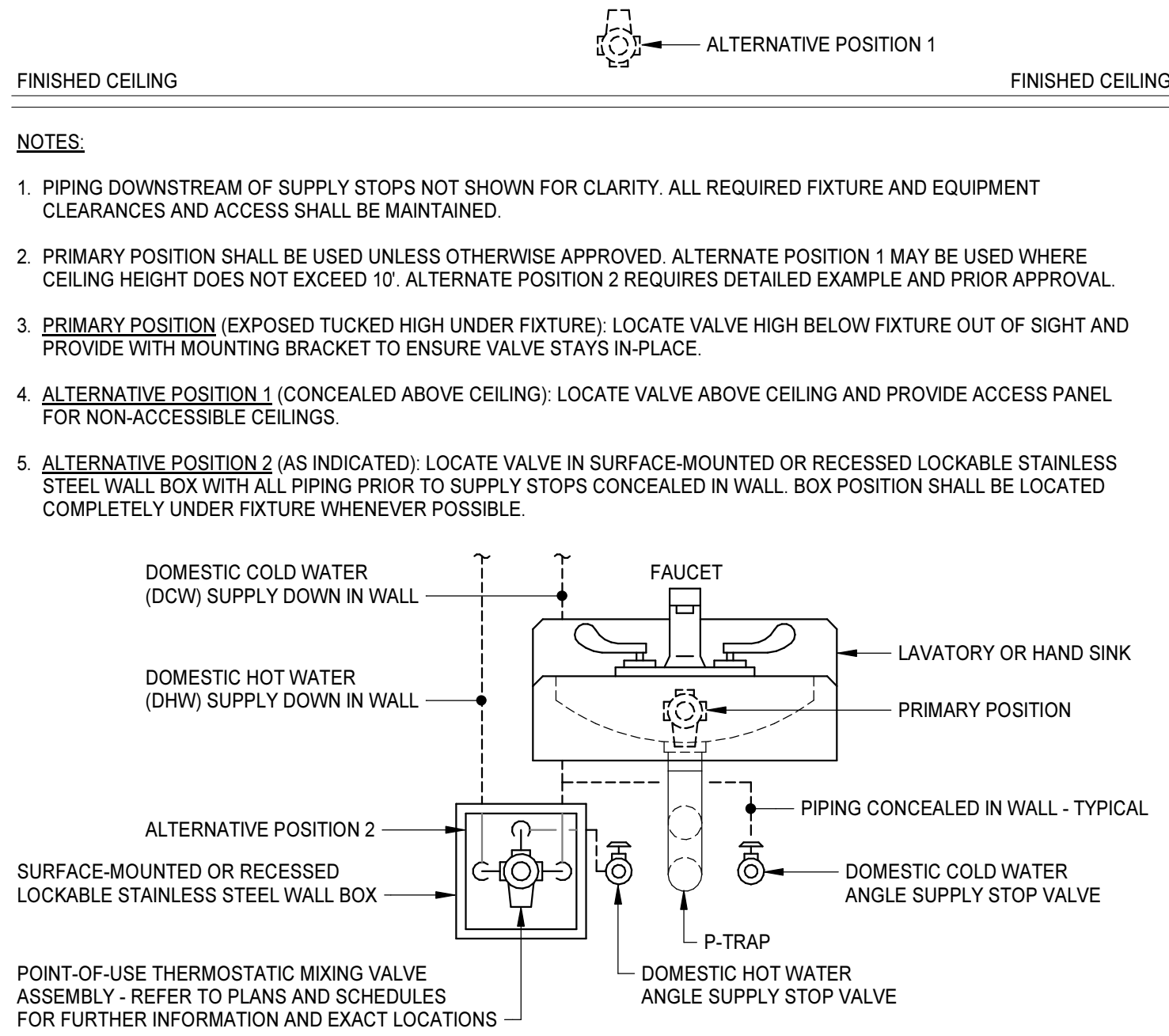
MECHANICAL SLEEVE SEAL DETAIL
NO SCALE



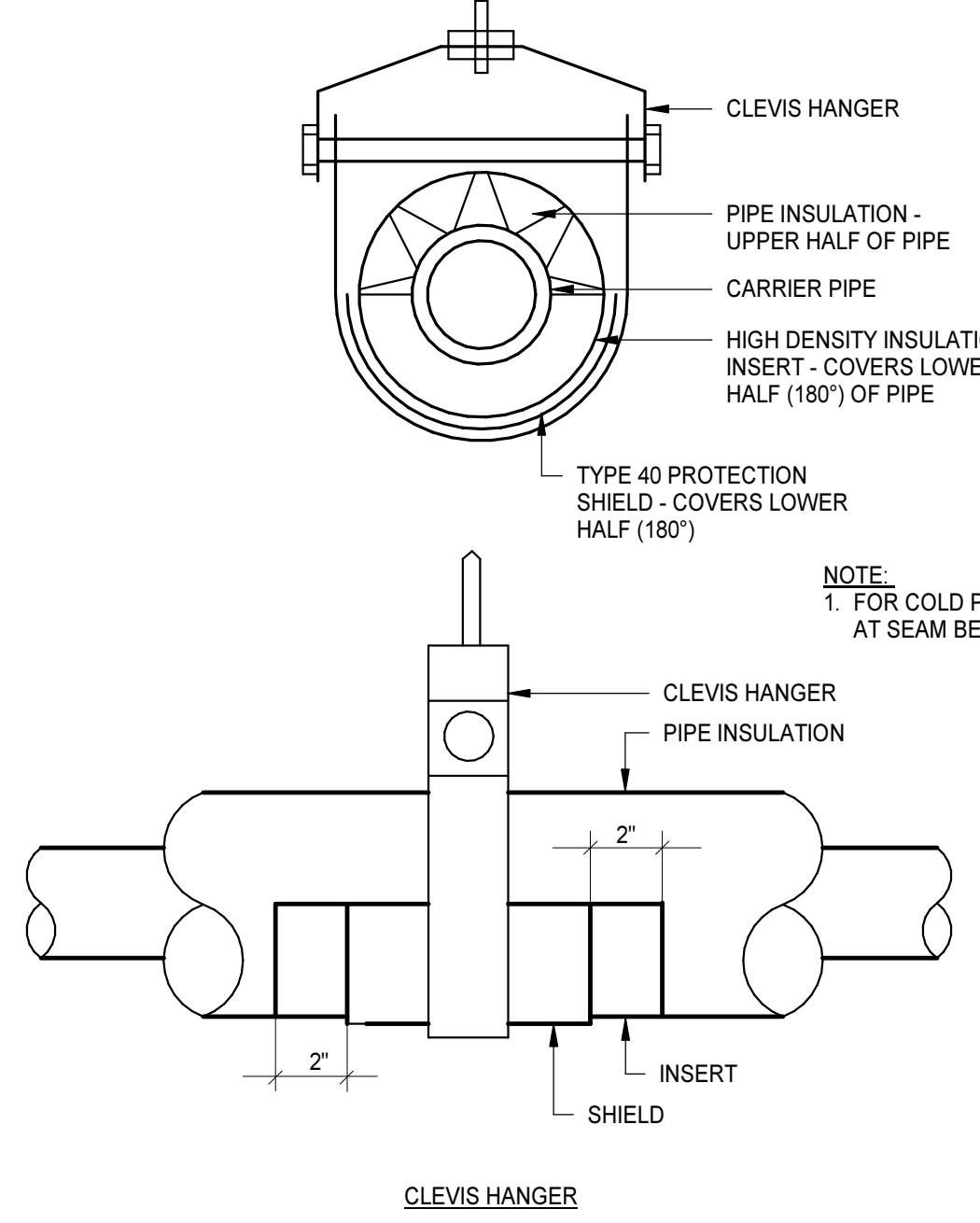
CIRCULATION PUMP DETAIL
NO SCALE



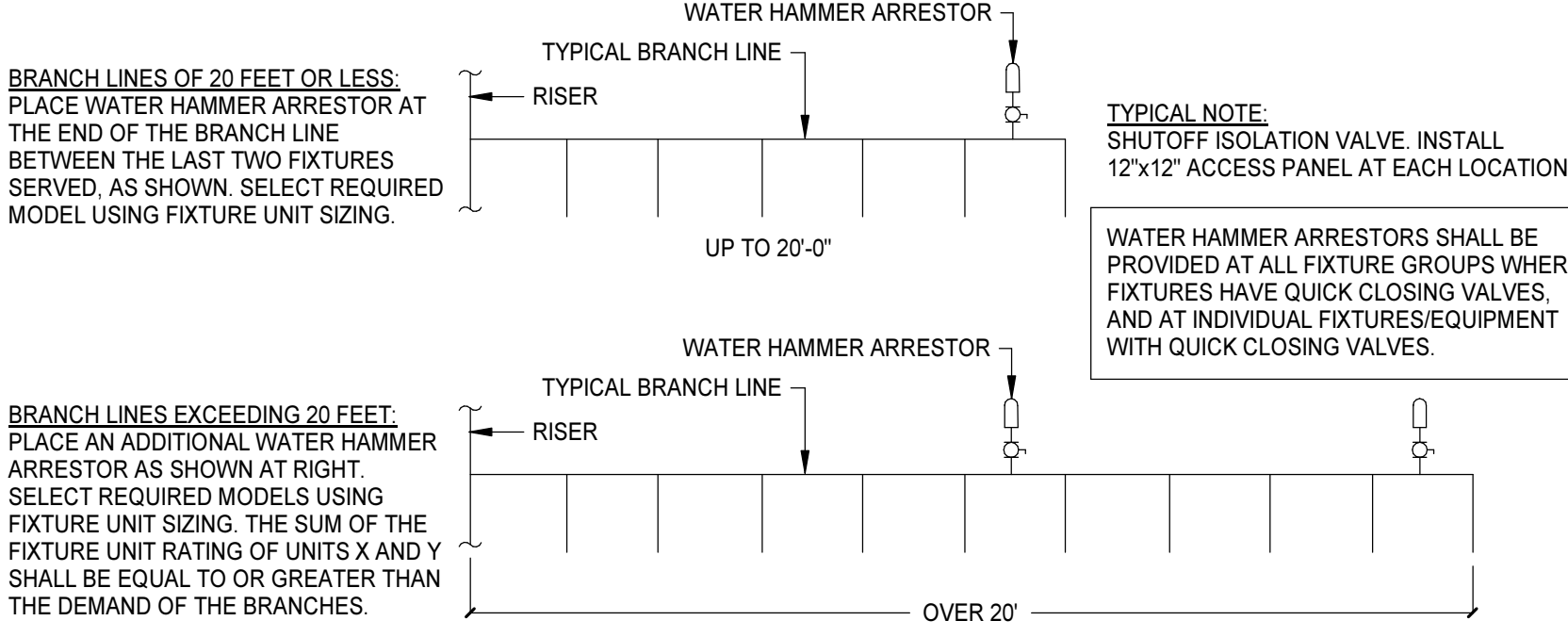
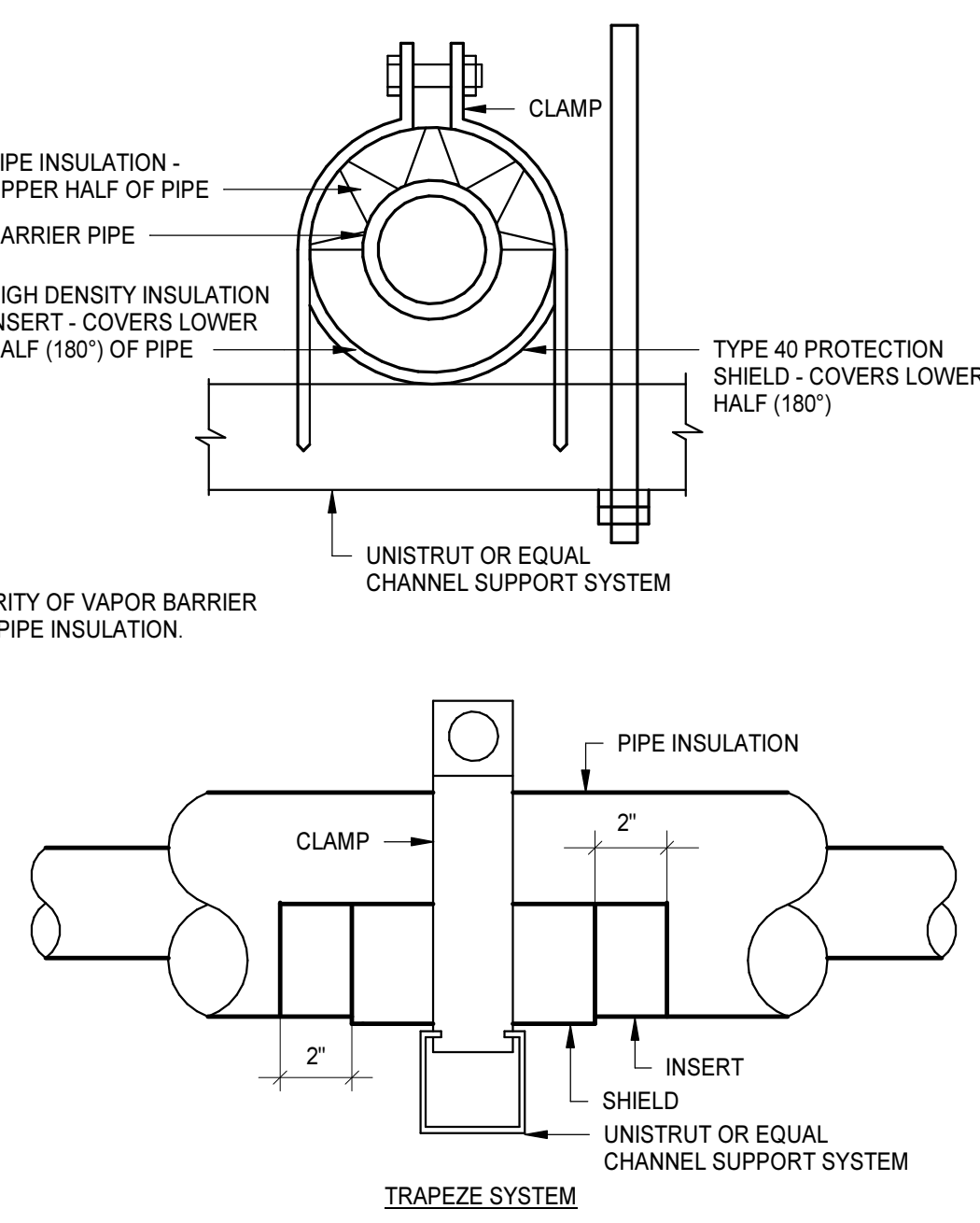
CAST IRON PIPE BEDDING DETAIL
NO SCALE



ASSE-1070 POINT-OF-USE VALVE DETAIL
NO SCALE



PIPE SUPPORT AND THERMAL SHIELD DETAILS
NO SCALE



LENGTH OF PIPE	P.D.I. WATER HAMMER ARRESTORS					
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25'	A	A	B	C	D	E
50'	A	B	C	D	E	F
75'	B	C	D	AE	F	EF
100'	C	D	E	F	CF	FF
125'	C	D	F	AF	EF	FFF
150'	D	E	F	DF	FF	FFF

CONN. SIZE	PDI SIZE	FIXTURE UNIT CAPACITY	CUBIC INCH VOLUME
1/2"	A	1 TO 11	5
3/4"	B	12 TO 32	7
1"	C	33 TO 60	11
1"	D	61 TO 113	20
1"	E	114 TO 154	29
1"	F	155 TO 330	34

SHOCK ABSORBER SELECTION		
CODE	PDI SIZE	FIXTURE UNITS
SA-1	A	1-11
SA-2	B	12-32
SA-3	C	33-60
SA-4	D	61-113
SA-5	E	114-154
SA-6	F	155-330

WATER HAMMER ARRESTOR INSTALLATION & SIZING DETAIL
NO SCALE

EQUIPMENT ABBREVIATION	
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BCU	BLOWER COIL UNIT
OCC	CLOSED-CIRCUIT COOLING TOWER
CH	CHILLER
CHWP	CHILLED WATER PUMP
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
ECH	ELECTRIC CEILING HEATER
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
FCU	FAN COIL UNIT
HP	HEAT PUMP
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
MAU	MAKEUP AIR UNIT
OAU	OUTDOOR AIR UNIT
P	PUMP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PTHP	PACKAGED TERMINAL HEAT PUMP
RTU	ROOFTOP UNIT
SSI	SPLIT-SYSTEM INDOOR UNIT
SSO	SPLIT-SYSTEM OUTDOOR UNIT
TU	TERMINAL UNIT
UH	UNIT HEATER
WSHP	WATER-SOURCE HEAT PUMP

CONTROLS ABBREVIATIONS	
AF	AIRFLOW
AI	ANALOG INPUT TO CONTROLLER
ALM	ALARM
AMS	AIRFLOW MEASURING STATION
AO	ANALOG OUTPUT FROM CONTROLLER
ATS	AVERAGING TEMPERATURE SENSOR
BAS	BUILDING AUTOMATION SYSTEM
BI	BINARY INPUT TO CONTROLLER
BO	BINARY OUTPUT FROM CONTROLLER
CO2	CARBON DIOXIDE SENSOR
CSR	CURRENT-SENSING RELAY
DM	DAMPER MOTOR
DP	DIFFERENTIAL PRESSURE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FM	FLOW METER
FZ	FREEZESTAT
HS	HUMIDITY SENSOR
POS	POSITION
R	RELAY
SD	SMOKE DETECTOR
SPD	SPEED
SS	START/STOP
STS	STATUS
TS	TEMPERATURE SENSOR
VFD	VARIABLE-FREQUENCY DRIVE

ABBREVIATIONS	
A	AMPERE(S)
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLO	COOLING
COM	COMMON
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB TEMPERATURE
dBA	A-WEIGHTED DECIBELS
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWI	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FPM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
PLV	INTEGRATED PART-LOAD VALUE
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR-OPERATED DAMPER
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NO	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE-FREQUENCY DRIVE
W	WATT(S)
W/	WITH
W/O	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WWM	WELDED WIRE MESH

CONTROL SYMBOL LEGEND	
	CIRCULATOR OR PUMP
	MOTORIZED 2-WAY VALVE
	MOTORIZED 3-WAY VALVE
	VARIABLE FREQUENCY DRIVE
	DIRECT DIGITAL CONTROLLER
	THERMOSTAT
	FREEZESTAT
	CONTACTOR
	RELAY
	SPACE TEMPERATURE SENSOR
	LINE VOLTAGE THERMOSTAT
	HAND-OFF-AUTOMATIC SWITCH
	DUCT-MOUNTED SMOKE DETECTOR
	TRANSFORMER
	FUSE
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	WIRING OR DEVICE PROVIDED UNDER DIVISION 23
	WIRING CONNECTION BY DIVISION 23
	WIRING CONNECTION BY OTHERS
	NUMBER OF CONDUCTORS INDICATED BY SLASH MARKS
	MOTORIZED PARALLEL BLADE DAMPER
	MOTORIZED OPPOSED BLADE DAMPER
	MOTORIZED BUTTERFLY BLADE DAMPER
	SUPPLY, RETURN, OR EXHAUST FAN
	AIRFLOW DIRECTION
	CONTROL POINT INDICATOR INPUT OR OUTPUT (ANALOG INPUT)
	CONTROL POINT INDICATOR DEVICE TYPE (AIR TEMPERATURE SENSOR)
	CONTROL POINT INDICATOR INPUT OR OUTPUT (ANALOG INPUT)
	CONTROL POINT INDICATOR DEVICE TYPE (WATER TEMPERATURE SENSOR WITH AVERAGING ELEMENT)
	CONTROL POINT INDICATOR INPUT OR OUTPUT (ANALOG INPUT)
	CONTROL POINT INDICATOR DEVICE TYPE (WATER TEMPERATURE SENSOR WITH BULB TYPE ELEMENT IN PIPING WELL)
	CONTROL POINT INDICATOR INPUT OR OUTPUT (ANALOG INPUT)
	CONTROL POINT INDICATOR DEVICE TYPE (CURRENT SENSING RELAY)

GRAPHIC SYMBOL LEGEND	
	SPACE TAG SPACE NAME SPACE NUMBER BUILDING "PART" NUMBER IN MULTI-PART BUILDING
	EQUIPMENT TAG EQUIPMENT NUMBER EQUIPMENT ABBREVIATION
	DIFFUSER, GRILLE OR REGISTER TAG TAG, REFER TO DIFFUSER, GRILLE AND REGISTER SCHEDULE
	DETAIL TAG DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED
	KEYNOTE
	STRUCTURAL GRID LINE WITH DESIGNATION
	EXISTING TO BE REMOVED
	DETAIL TITLE DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED DRAWING WHERE DETAIL IS REFERENCED ADDITIONAL DRAWING REFERENCES
	SECTION TITLE SECTION NUMBER DRAWING WHERE SECTION IS INDICATED DRAWING WHERE SECTION IS REFERENCED ADDITIONAL DRAWING REFERENCES
	SECTION CALLOUT SECTION NUMBER DRAWING WHERE SECTION IS INDICATED
	ENLARGED PLAN CALLOUT ENLARGED PLAN NUMBER DRAWING WHERE ENLARGED PLAN IS INDICATED
	MECHANICAL EQUIPMENT WITH REQUIRED SERVICE CLEARANCE INDICATED

DUCTWORK LEGEND	
	RECTANGULAR DUCT (FIRST DIMENSION REFERS TO SIDE VIEWED)
	ROUND DUCT SIZE
	FLAT OVAL DUCT SIZE
	DOUBLE WALL, EXPOSED DUCT
	FABRIC DUCT
	FLEXIBLE DUCTWORK
	FLEXIBLE CONNECTOR
	DUCT-MOUNTED SMOKE DETECTOR
	DUCT WITH DUCT LINER
	DUCT ACCESS DOOR
	DUCT WITH END CAP
	LINEAR SLOT DIFFUSER, LENGTH AS INDICATED
	LINEAR BAR GRILLE, LENGTH AS INDICATED
	SUPPLY DIFFUSER
	RETURN OR EXHAUST GRILLE
	SUPPLY DIFFUSER WITH DIRECTIONAL BLOW, SOLID HATCH INDICATES BLANK OFF PANEL
	POINT OF CONNECTION TO EXISTING
	LIMIT OF DEMOLITION
	SUPPLY AIRFLOW ARROW
	RETURN OR EXHAUST AIRFLOW ARROW
	DOOR UNDERCUT
	DOOR LOUVER
	SENSOR WELL
	MANUAL BALANCING DAMPER IN DUCT
	FIRE DAMPER IN DUCT
	SMOKE DAMPER IN DUCT
	COMBINATION FIRE/SMOKE DAMPER IN DUCT
	FIRE DAMPER WITH SECURITY BARS IN DUCT
	SMOKE DAMPER WITH SECURITY BARS IN DUCT
	COMBINATION FIRE/SMOKE DAMPER WITH SECURITY BARS IN DUCT
	MOTORIZED DAMPER IN DUCT
	SMOKE CONTROL MANUAL BALANCING DAMPER IN DUCT
	SMOKE CONTROL MOTORIZED DAMPER IN DUCT
	SECURITY BARS IN DUCT
	DUCT WITH ACCESS PANEL
	SUPPLY/MAKEUP AIR DUCT SECTIONS
	RETURN AIR DUCT SECTIONS
	EXHAUST AIR DUCT SECTIONS
	SMOKE DETECTOR
	HUMIDITY SENSOR
	THERMOSTAT, LINE VOLTAGE
	THERMOSTAT, LOW VOLTAGE
	TEMPERATURE SENSOR
	CARBON DIOXIDE SENSOR
	CARBON MONOXIDE SENSOR

PIPING LEGEND	
	END OF LINE CLEANOUT PLUG
	CLEANOUT PLUG
	PRESSURE GAUGE WITH GAUGE COCK
	LIQUID FILLED THERMOMETER
	UNION
	STRAINER WITH BLOWDOWN VALVE AND 3/4" HOSE END CONNECTION
	FLEXIBLE PIPE CONNECTOR
	MANUAL AIR VENT
	VALVE
	MANUAL BALANCING VALVE WITH FLOW TAPS
	AUTOMATIC BALANCING VALVE WITH FLOW TAPS
	SWING CHECK VALVE
	PRESSURE REDUCING VALVE
	TRIPLE DUTY VALVE
	GAS COCK
	PRESSURE-RELIEF VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	DIRECTION OF FLOW

GENERAL NOTES	
A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.	G. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL, DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.
B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.	H. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.
C. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS, WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.	I. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND VALVE OPERATORS SHALL BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REPLACEMENT.
D. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.	J. SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.	K. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.
F. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.	L. FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
	M. ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.
	N. BRANCH PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" DIAMETER UNLESS INDICATED OTHERWISE.
	O. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

PACKAGED ROOFTOP UNIT SCHEDULE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				SUPPLY FAN(S)										OUTSIDE AIR		EXHAUST FAN(S)								DX COOLING COIL								ELECTRIC HEATING COIL								ELECTRIC DATA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				DESIGN AIRFLOW (CFM)		MINIMUM AIRFLOW (CFM)		ESP (IN WC)	DIA (IN)		FAN WHEEL		FAN SPEED (RPM)	QTY	MOTOR SIZE EACH (HP)	DESIGN AIRFLOW (CFM)		SPD (CFM)	MAXIMUM AIRFLOW (CFM)		ESP (IN WC)	DIA (IN)		FAN WHEEL		FAN SPEED (RPM)	QTY	MOTOR SIZE EACH (HP)	GROSS TOTAL CAPACITY (BTUH)	GROSS SENSIBLE CAPACITY (BTUH)	EAT			LAT			DESIGN AIRFLOW (CFM)		EER	EAT (°F)		LAT (°F)	SINGLE-POINT DATA		SERVICE				WEIGHT (LBS)		NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
TAG	MANUFACTURER	MODEL NUMBER	SERVING	12,000	4,330	1.50	20	AF	TYPE	1708	2	7.5				9,530	0.75	18	AF	1561	2	3	619,400	387,200	(°F DB)	(°F WB)	(°F DB)	(°F WB)			4,330	48	18.5	55.0	254.2	264.4	300.0	(V)	(PH)	(HZ)	(LBS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
RTU-1	TRANE	OANG055	THIRD FLOOR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

FAN SCHEDULE																
TAG	MANUFACTURER	MODEL NUMBER	SERVING	TYPE	AIRFLOW (CFM)	ESP (IN WC)	FAN WHEEL (RPM)	DRIVE TYPE	SONES	CONTROL METHOD	MOTOR (HP)	ELECTRICAL DATA			WEIGHT (LBS)	NOTES
												(V)	(PH)	(HZ)		
F-1	GREENHECK	G-120-VG	THIRD FLOOR EXHAUST	ROOF MTD. CENTRIFUGAL	990	0.75	1283	DIRECT	9.8	BAS SCHEDULE	1/2	120	1	60	43	1
F-4	GREENHECK	SP-A110	1173 STAFF TOILET	CEILING	70	0.25	950	DIRECT	0.8	BAS SCHEDULE	113 WATTS	120	1	60	15	2
NOTES: 1. PROVIDE MOTORIZED BACKDRAFT DAMPER AND INTERLOCK WITH FAN OPERATION. 2. PROVIDE SPEED CONTROLLER, ALUMINUM GRILLE, AND WALL CAP.																

EXISTING SPLIT SYSTEM HEAT PUMP INDOOR UNIT SCHEDULE				
TAG	SUPPLY AIR (CFM)	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	ELECTRIC HEAT (KW)
AH-4	1,800	90,000	90,000	12.84
AH-7A	4,500	120,000	112,000	12.84
AH-7B	4,500	120,000	112,000	12.84
AH-10	1,650	48,000	48,500	5.36
AH-11	1,350	36,000	38,500	5.36
AH-15	2,000	60,000	61,000	12.84
AH-17B	1,800	90,000	90,000	12.84
GENERAL NOTES: A. UNIT IS EXISTING TO REMAIN. PERFORM PRE-CONSTRUCTION TESTING FOR AIR HANDLING UNIT PRIOR TO ANY DEMOLITION WORK. REFER TO SPECIFICATION SECTION 014520 FOR REQUIREMENTS. B. RE-BALANCE UNIT SUPPLY TO VALUE INDICATED. RE-BALANCE OUTSIDE AIR TO AIRFLOW INDICATED IN THE PRE-CONSTRUCTION TESTING.				

EX CONDENSING UNIT SCHEDULE		
TAG	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)
CU-4	90,000	90,000
CU-7A	120,000	112,000
CU-7B	120,000	112,000
CU-10	48,000	48,500
CU-11	38,000	38,500
CU-15	60,000	61,000
CU-17B	90,000	90,000
GENERAL NOTES: A. UNIT IS EXISTING TO REMAIN. SCHEDULE PROVIDED FOR INFORMATIONAL PURPOSES ONLY.		

GRILLE, REGISTER, & DIFFUSER SCHEDULE						
TAG	MANUFACTURER	MODEL NUMBER	MOUNTING STYLE	NECK SIZE	FACE SIZE	MAX NC LEVEL
S1	PRICE	ASCD	LAY-IN	6"	24x24	30
S2	PRICE	ASCD	LAY-IN	8"	24x24	30
S3	PRICE	ASCD	LAY-IN	10"	24x24	30
S4	PRICE	ASCD	LAY-IN	12"	24x24	30
S5	PRICE	610-F-L	SURFACE	12x8	14x10	30
S6	PRICE	610-F-L	SURFACE	8x8	8x6	30
R1	PRICE	635-F-L	LAY-IN	22x22	24x24	30
R2	PRICE	635-F-L	LAY-IN	22x10	24x12	30
R3	PRICE	635-F-L	SURFACE	40x14	42x16	30
R4	PRICE	635-F-L	SURFACE	10x10	8x8	30
E1	PRICE	635-F-L	SURFACE	6x6	8x8	30
E2	PRICE	635-TB-L	LAY-IN	22x22	24x24	30
T1	PRICE	635-F-L	LAY-IN	24x24	22x22	30
T2	PRICE	635-F-L	SURFACE	10x10	8x8	30

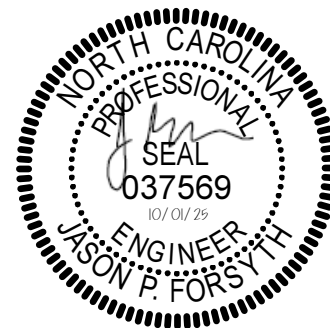
SPLIT SYSTEM HEAT PUMP INDOOR UNIT WITH ELECTRIC HEAT SCHEDULE																					
TAG	MANUFACTURER	MODEL NUMBER	LOCATION	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	ESP (IN WC)	COOLING		HEATING		ELECTRIC EAT DB (°F)	ELECTRICAL DATA			WEIGHT (LBS)	NOTES					
							TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	CAPACITY (BTUH)	INDOOR EAT DB (°F)		FLA (A)	MCA (A)	MOCP (A)			SERVICE				
																		DB	WB	DB	WB
AH-7C	TRANE	5TEM6D05AV41	2151A CLOSET	1,400	100	0.5	40,452	29,671	80.0	67.0	30,000	60.0	7.2	20.0	30.0	30	208	3	60	155	1.2
AH-22	TRANE	5TEM6B03AV21SA	1171 MECH	900	110	0.5	25,688	18,575	80.0	67.0	26,200	60.0	7.21	34.6	49.0	50	208	1	60	117	1.2
AH-24	TRANE	5TEM6D05AV41SA	1171 MECH	1,500	150	0.5	44,705	31,558	80.0	67.0	42,500	60.0	10.8	30.0	42.0	45	208	3	60	155	1.2
NOTES: 1. PROVIDE BOTTOM RETURN WITH FILTER RACK. 2. PROVIDE PLENUM STAND.																					

SPLIT SYSTEM HEAT PUMP OUTDOOR UNIT SCHEDULE													
TAG	MANUFACTURER	MODEL NUMBER	LOCATION	AMBIENT AIR TEMPERATURE (°F)	COOLING		HEATING		ELECTRICAL DATA			WEIGHT (LBS)	
					MCA (A)	MOCP (A)	SERVICE (V)	(PH)	(HZ)	REFRIGERANT			
CU-7C	TRANE	5TWA4042	ON GRADE	95.0	18	30	208	3	60		R-454B	251	
CU-22	TRANE	5TWR4030	ON GRADE	95.0	16	25	208	1	60		R-454B	174	
CU-24	TRANE	5TWA4048	ON GRADE	95.0	18	30	208	3	60		R-454B	251	
SSO-1	MTSUBISHI	PUZ-A42NKA7	ON GRADE	95.0	25	50	208	1	60		R-454B	280	
SSO-2	MTSUBISHI	PUZ-A42NKA7	ROOF	95.0	25	50	208	1	60		R-454B	280	

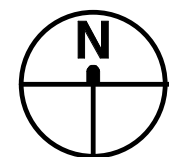
DUCTED SPLIT SYSTEM HEAT PUMP INDOOR UNIT SCHEDULE															
TAG	MANUFACTURER	MODEL NUMBER	SUPPLY AIR (CFM)	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	COOLING		HEATING		ELECTRICAL DATA				WEIGHT (LBS)	NOTES
						INDOOR EAT DB (°F)	WB (°F)	CAPACITY (BTUH)	EAT DB (°F)	MCA (A)	(V)	(PH)	(HZ)		
SS1-1	MTSUBISHI	PEAD-A42NL	1,400	42,000	31,920	80.0	67.0	48,000	70.0	4.3	208	1	60	86	1, 2, 3, 4
SS1-2	MTSUBISHI	PEAD-A42NL	1,400	42,000	31,920	80.0	67.0	48,000	70.0	4.3	208	1	60	86	1, 2, 3, 4
NOTES:															
1. UNIT SHALL HAVE BUILT-IN CONDENSATE LIFT SYSTEM CAPABLE OF 27" LIFT.															
2. PROVIDE FILTER RACK AT UNIT WITH MERV-8 FILTER.															
3. PROVIDE HARD-WIRED, WALL-MOUNTED, PROGRAMMABLE THERMOSTAT.															
4. INDOOR UNIT IS POWERED FROM ASSOCIATED OUTDOOR UNIT.															

DUCTLESS SPLIT SYSTEM INDOOR UNIT SCHEDULE														
TAG	MANUFACTURER	MODEL NUMBER	LOCATION	SUPPLY AIR (CFM)	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	INDOOR EAT (°F)		ELECTRICAL DATA				WEIGHT (LBS)	NOTES
							DB	WB	MCA (A)	SERVICE (V)	(PH)	(HZ)		
DSS-1A	MTSUBISHI	PKA-A118NL	1175 MACH RM	400	18,000	10,800	80	67	1.2	208	1	60	23	1, 2, 3
NOTES: 1. PROVIDE BLUE DIAMOND MAXIBLUE X87-721 CONDENSATE PUMP POWERED FROM INDOOR UNIT AND INTEGRAL DRAIN PAN LEVEL SENSOR TO DISABLE UNIT ON DETECTION OF MOISTURE. 2. PROVIDE HARD-WIRED, WALL-MOUNTED, PROGRAMMABLE THERMOSTAT. 3. INDOOR UNIT IS POWERED FROM ASSOCIATED OUTDOOR UNIT.														

DUCTLESS SPLIT SYSTEM OUTDOOR UNIT SCHEDULE											
TAG	MANUFACTURER	MODEL NUMBER	LOCATION	AMBIENT AIR TEMPERATURE (°F)	ELECTRICAL DATA						WEIGHT (LBS)
					MCA (A)	MOCP (A)	(V)	(PH)	(HZ)	REFRIGERANT	
DSS-1B	MITSUBISHI	PVU-AK18NL	ON GRADE	95.0	16	25	208	1	60	R-454B	96

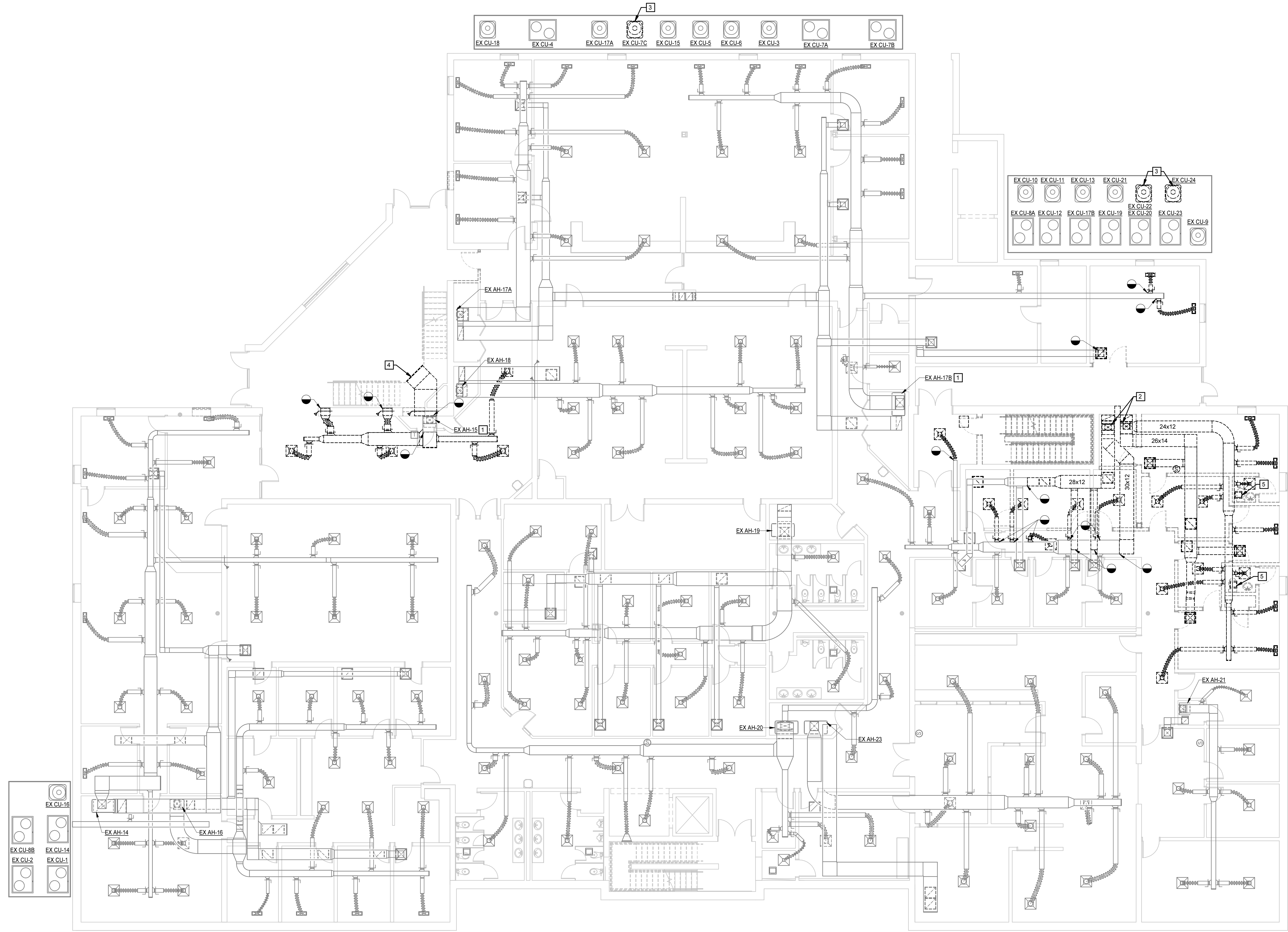


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FIRST FLOOR DEMOLITION PLAN

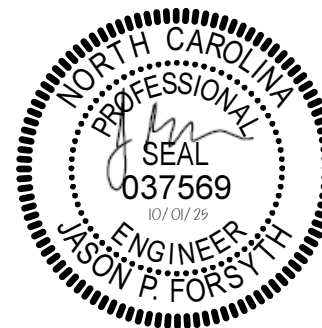
1/8" = 1'-0"



KEYNOTES

APPLIES TO THIS DRAWING

- 1 PERFORM PRE-CONSTRUCTION TESTING FOR AIR HANDLING UNIT PRIOR TO ANY DEMOLITION WORK. REFER TO SPECIFICATION SECTION 014520 FOR REQUIREMENTS.
- 2 REMOVE EXISTING AIR HANDLING UNIT AND ASSOCIATED PIPING AND CONTROLS.
- 3 REMOVE EXISTING CONDENSING UNIT AND ASSOCIATED PIPING. CONTRACTOR TO CONFIRM CONDENSING UNIT IS ASSOCIATED WITH INDOOR AIR HANDLING UNIT TO BE REMOVED PRIOR TO DEMOLITION.
- 4 REMOVE EXISTING WALL-MOUNTED RETURN GRILLE, FIRE DAMPER, AND RETURN DUCTWORK BACK TO EXISTING AIR HANDLING UNIT. PATCH EXISTING WALL TO MAINTAIN WALL RATING.
- 5 REMOVE EXISTING CEILING-MOUNTED EXHAUST FAN, CAP EXISTING EXHAUST DUCTWORK.



HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO: 623324
DATE: 10/12/2025

REVISIONS
DATE DESCRIPTION

FIRST FLOOR
DEMOLITION PLAN

M1.1

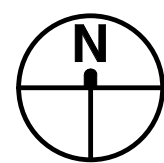
MOSELEYARCHITECTS

6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

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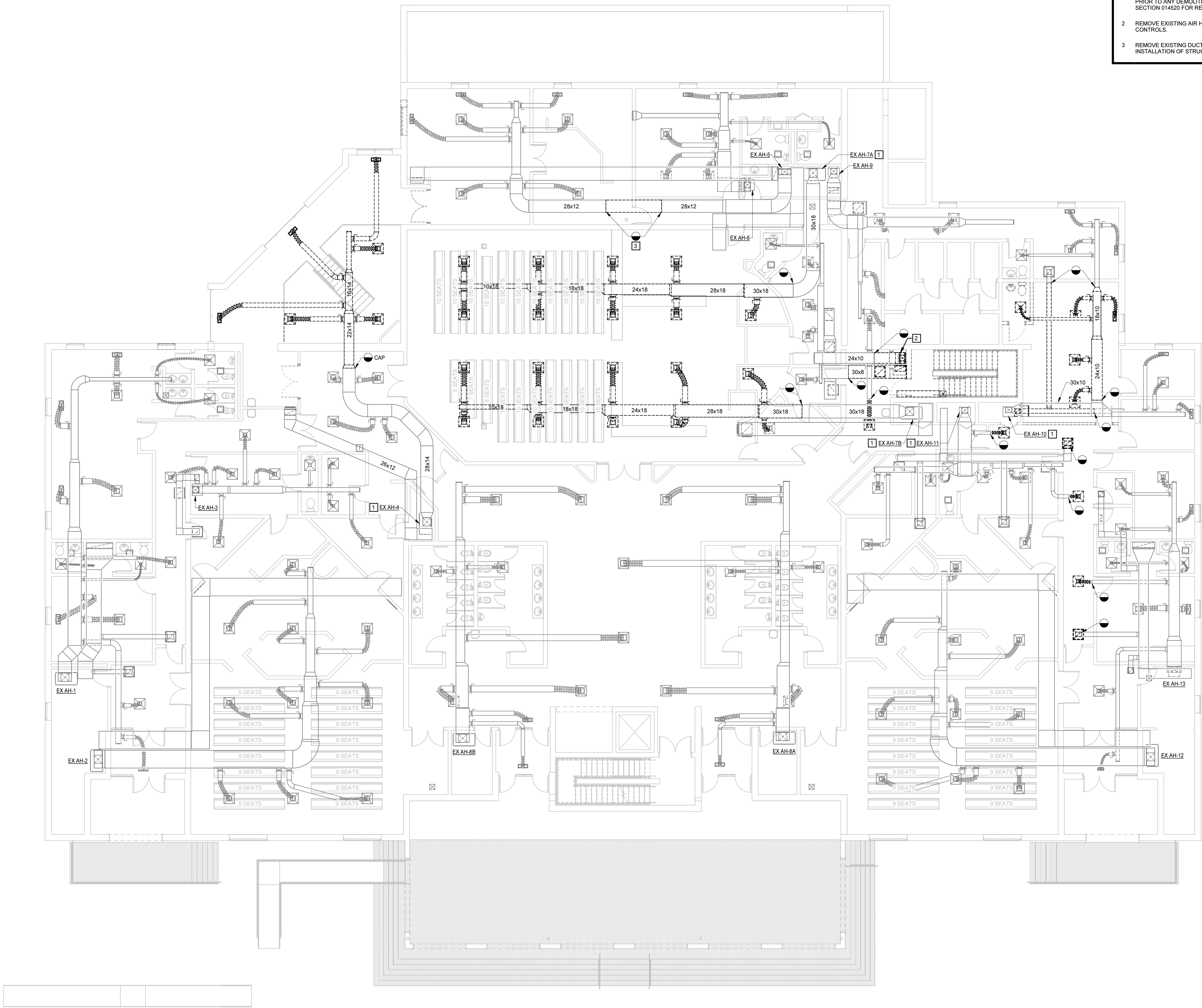
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10



SECOND FLOOR DEMOLITION PLAN

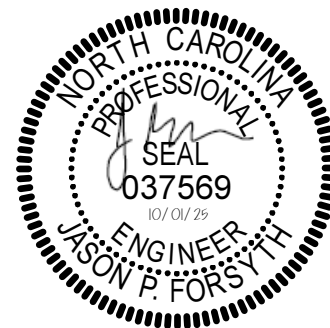
1/8" = 1'-0"



KEYNOTES

APPLIES TO THIS DRAWING

1. PERFORM PRE-CONSTRUCTION TESTING FOR AIR HANDLING UNIT PRIOR TO ANY DEMOLITION WORK. REFER TO SPECIFICATION SECTION 014520 FOR REQUIREMENTS.
2. REMOVE EXISTING AIR HANDLING UNIT AND ASSOCIATED PIPING AND CONTROLS.
3. REMOVE EXISTING DUCTWORK AS REQUIRED TO ALLOW FOR INSTALLATION OF STRUCTURAL BEAM.



MOSELEYARCHITECTS

HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO: 623324
DATE: 10/12/2025

DATE	REVISIONS
	DESCRIPTION

SECOND FLOOR
DEMOLITION PLAN

M1.2

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A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10



THIRD FLOOR DEMOLITION PLAN

1/8" = 1'-0"



KEYNOTES

APPLIES TO THIS DRAWING

- 1 EXISTING DUCT UP TO EXISTING GRAVITY VENTILATOR ON ROOF.



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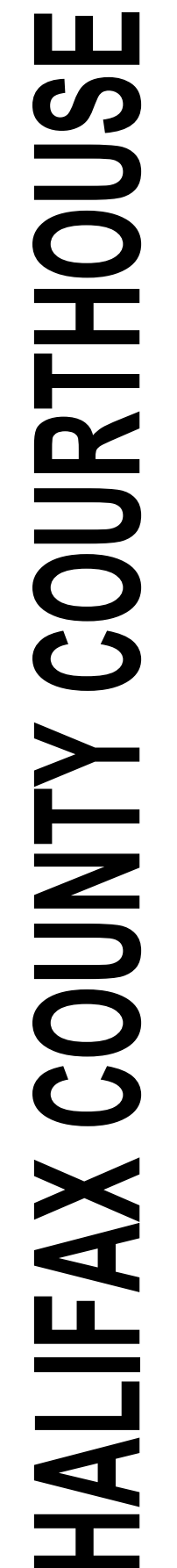
HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO:	623324
DATE:	10/11/2025
REVISIONS	
DATE	DESCRIPTION

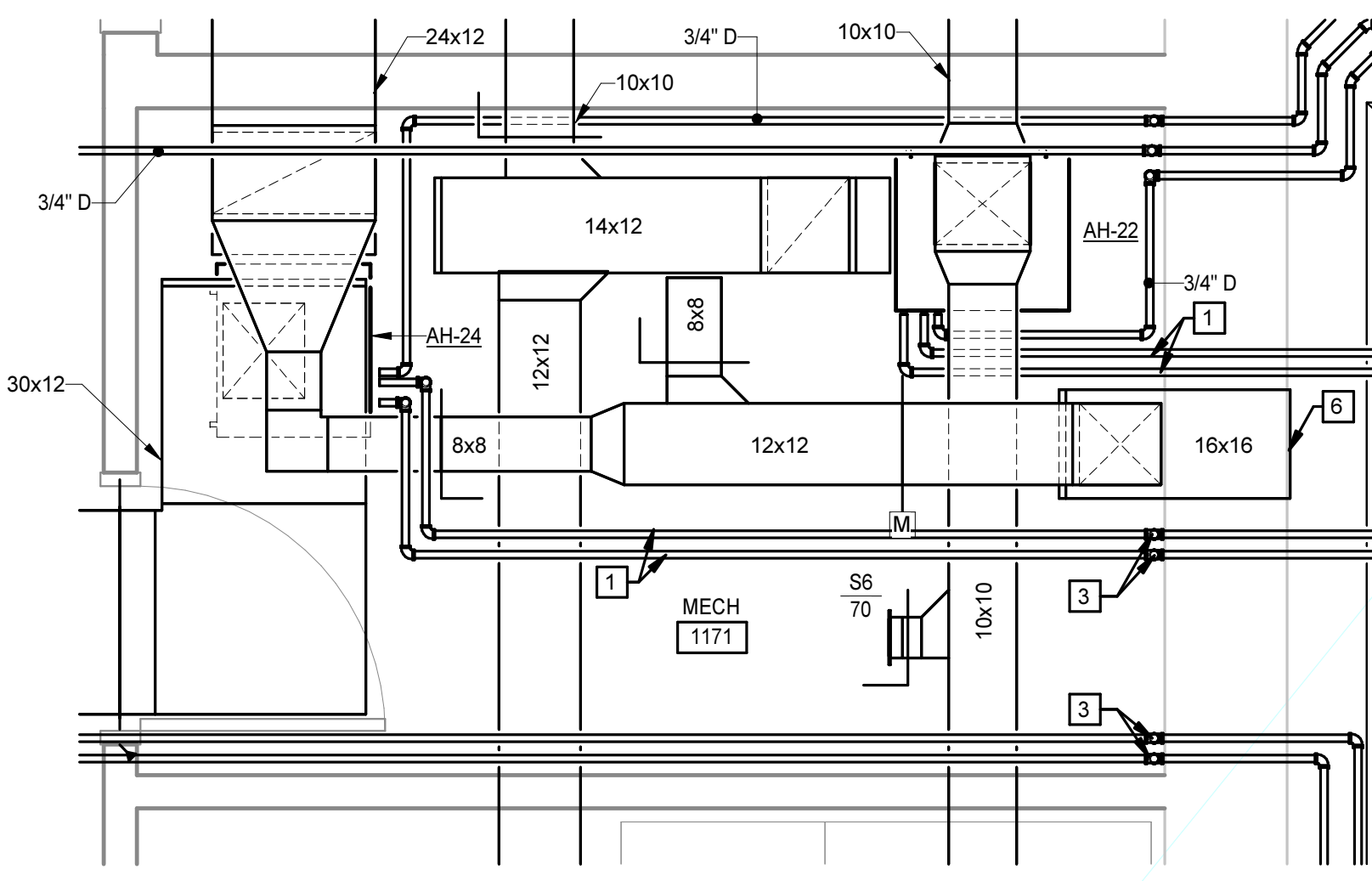
THIRD FLOOR
DEMOLITION PLAN

M1.3

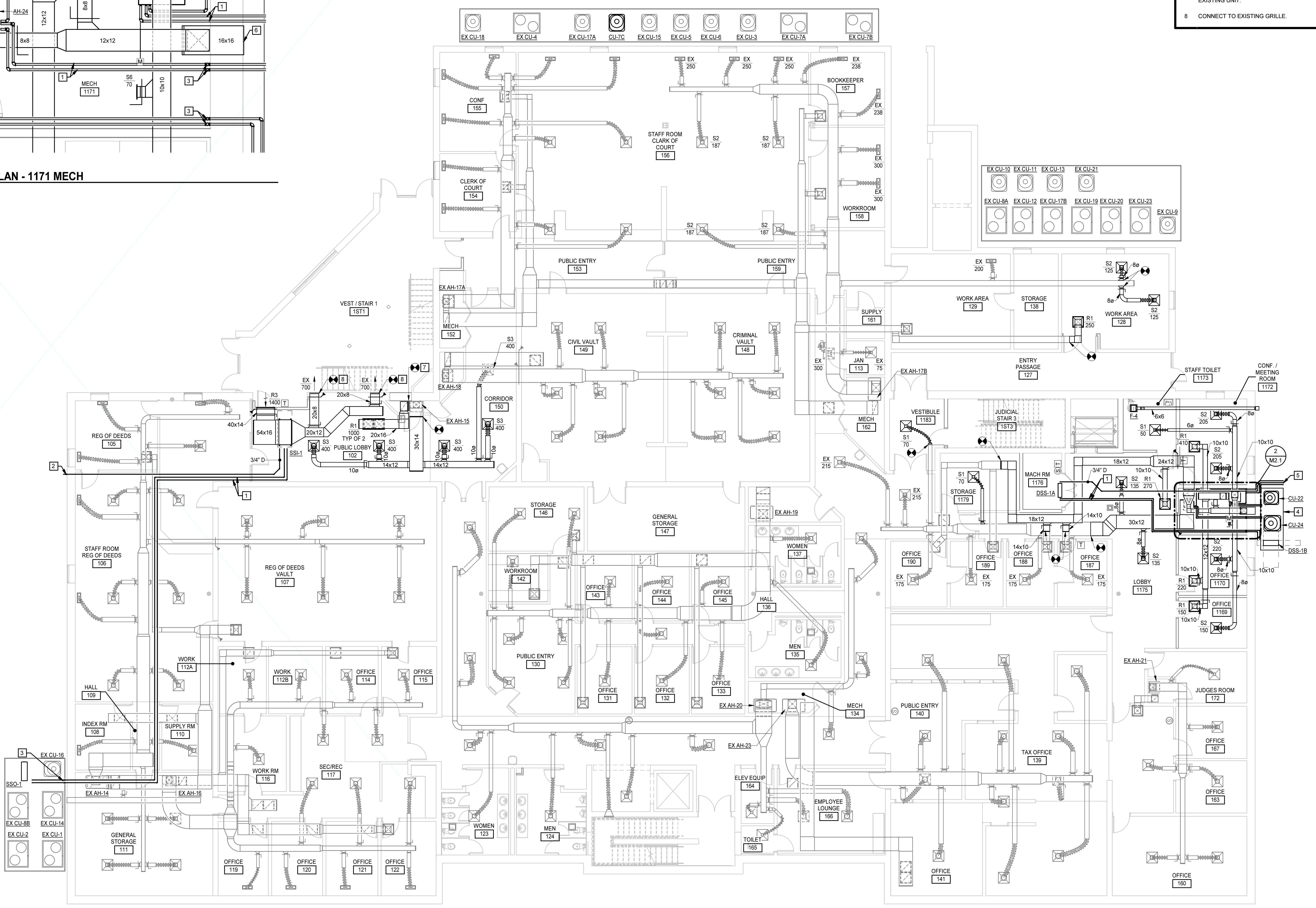


APPLIES TO THIS DRAWING

- 1 REFRIGERANT LIQUID AND SUCTION. SIZE PER MANUFACTURER'S INSTRUCTIONS.
- 2 3/4" D DOWN WALL TO SPLASH BLOCK ON GRADE.
- 3 REFRIGERANT LIQUID AND SUCTION DOWN WALL TO CONDENSING UNIT ON GRADE.
- 4 CONCRETE EQUIPMENT PAD. SEE STRUCTURAL DRAWINGS FOR DETAIL.
- 5 DISCHARGE CONDENSATE ON GRADE.
- 6 CONNECT TO LOUVER.
- 7 CONNECT RETURN DUCT TO EXISTING RETURN AIR PLENUM BELOW EXISTING UNIT.
- 8 CONNECT TO EXISTING GRILLE.

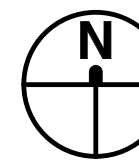


2 ENLARGED PLAN - 1171 MECH
M2.1 | M2.1 1/2" = 1'-0"



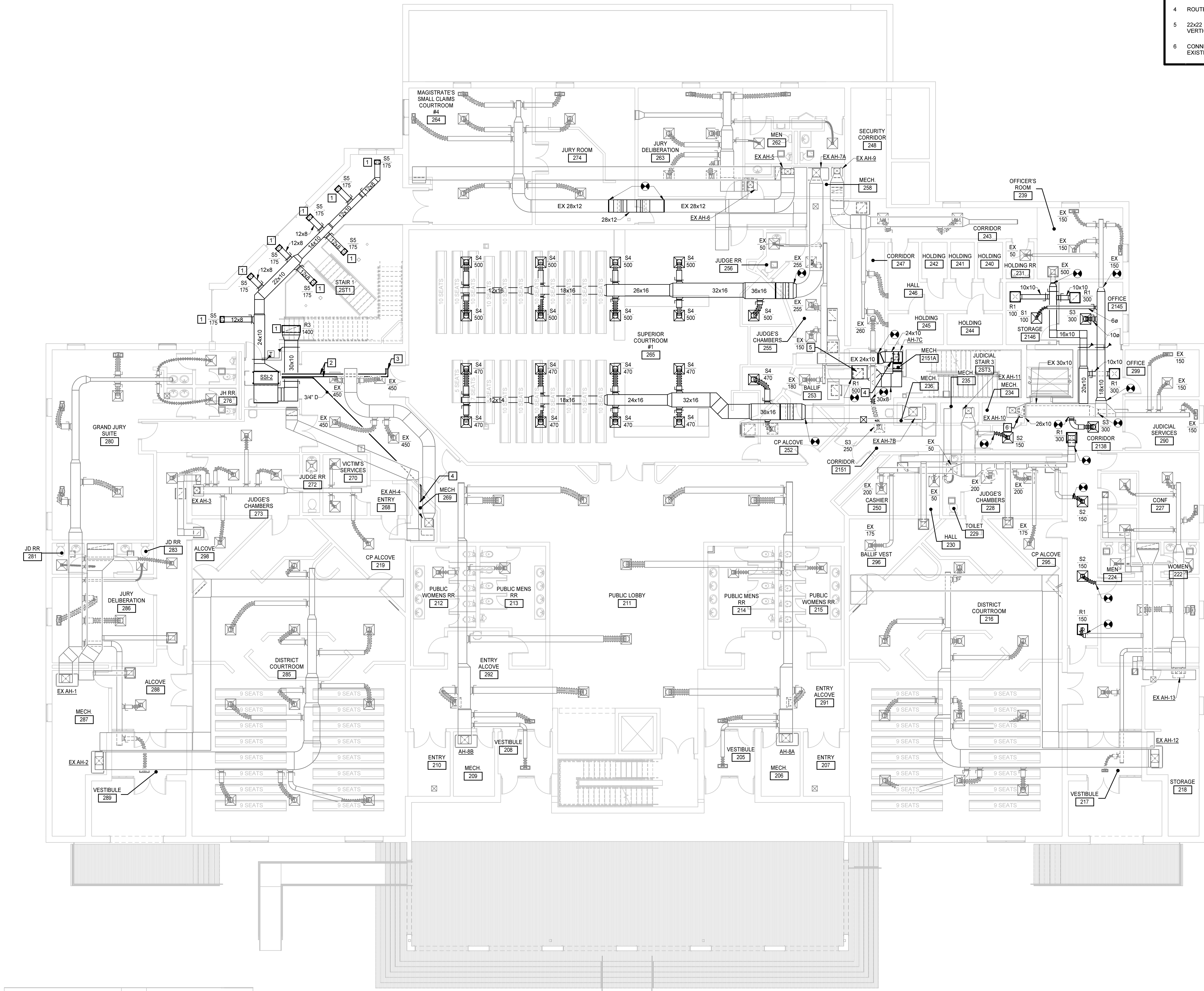
 **FIRST FLOOR PLAN - DUCTWORK**
1/8" = 1'-0"

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SECOND FLOOR PLAN - DUCTWORK

1/8" = 1'-0"



KEYNOTES

APPLIES TO THIS DRAWING

- 1 PROVIDE CEILING RADIATION DAMPER AT CEILING PENETRATION.
- 2 REFRIGERANT LIQUID AND SUCTION. SIZE PER MANUFACTURER'S INSTRUCTIONS.
- 3 REFRIGERANT LIQUID AND SUCTION UP TO SSO-2 ON ROOF.
- 4 ROUTE CONDENSATE DRAIN DOWN TO EXISTING FLOOR DRAIN.
- 5 22x22 DOWN TO GRILLE WITH MANUAL BALANCING DAMPER IN VERTICAL.
- 6 CONNECT RETURN DUCT TO EXISTING RETURN AIR PLENUM BELOW EXISTING UNIT.

HALIFAX COUNTY COURTHOUSE

HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839

PROJECT NO:	623324
DATE:	10/11/2025
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN



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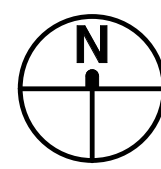
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M2.2

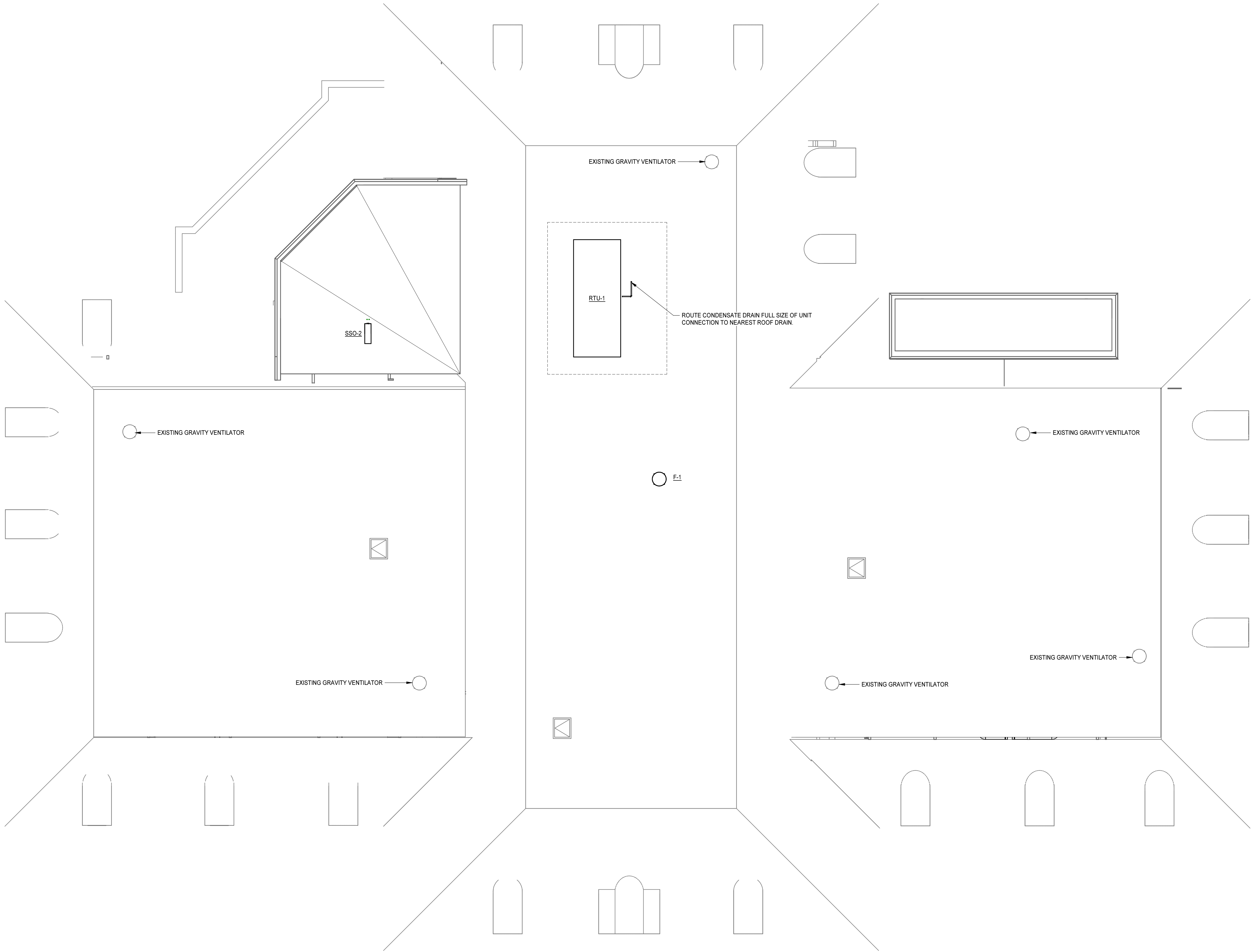
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A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10



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



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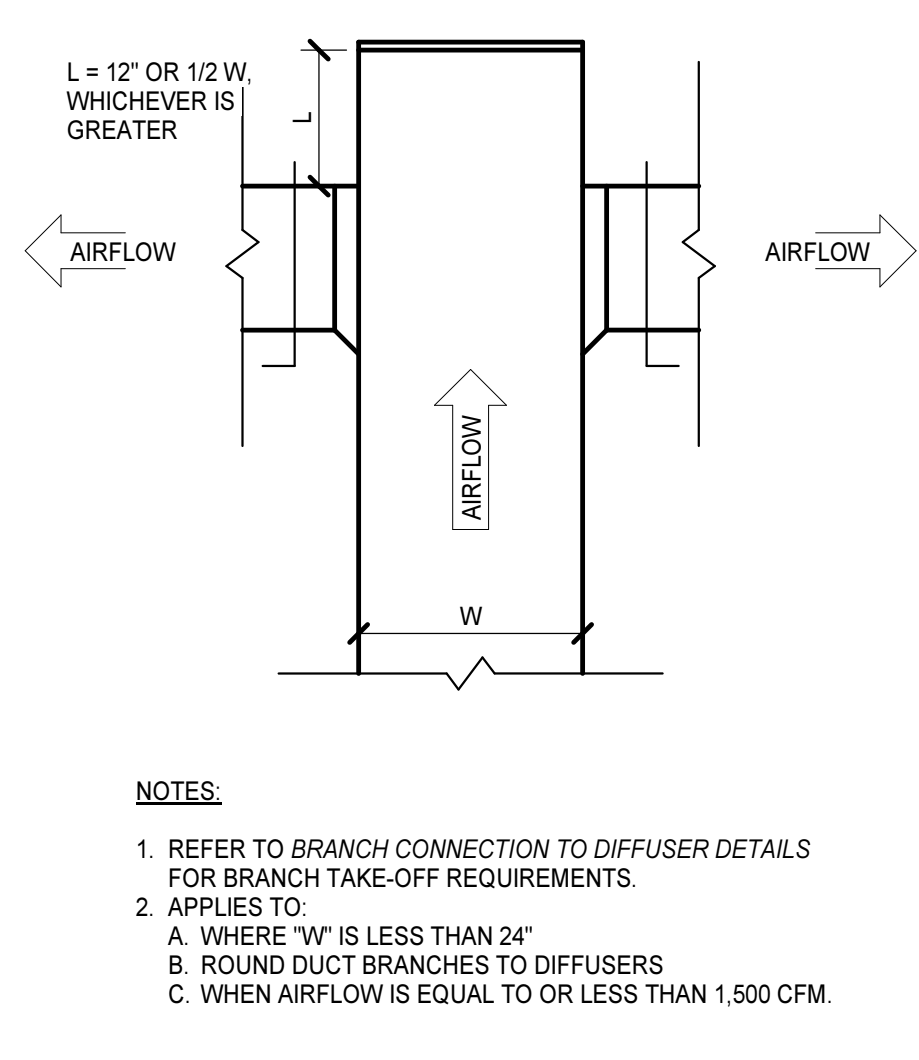
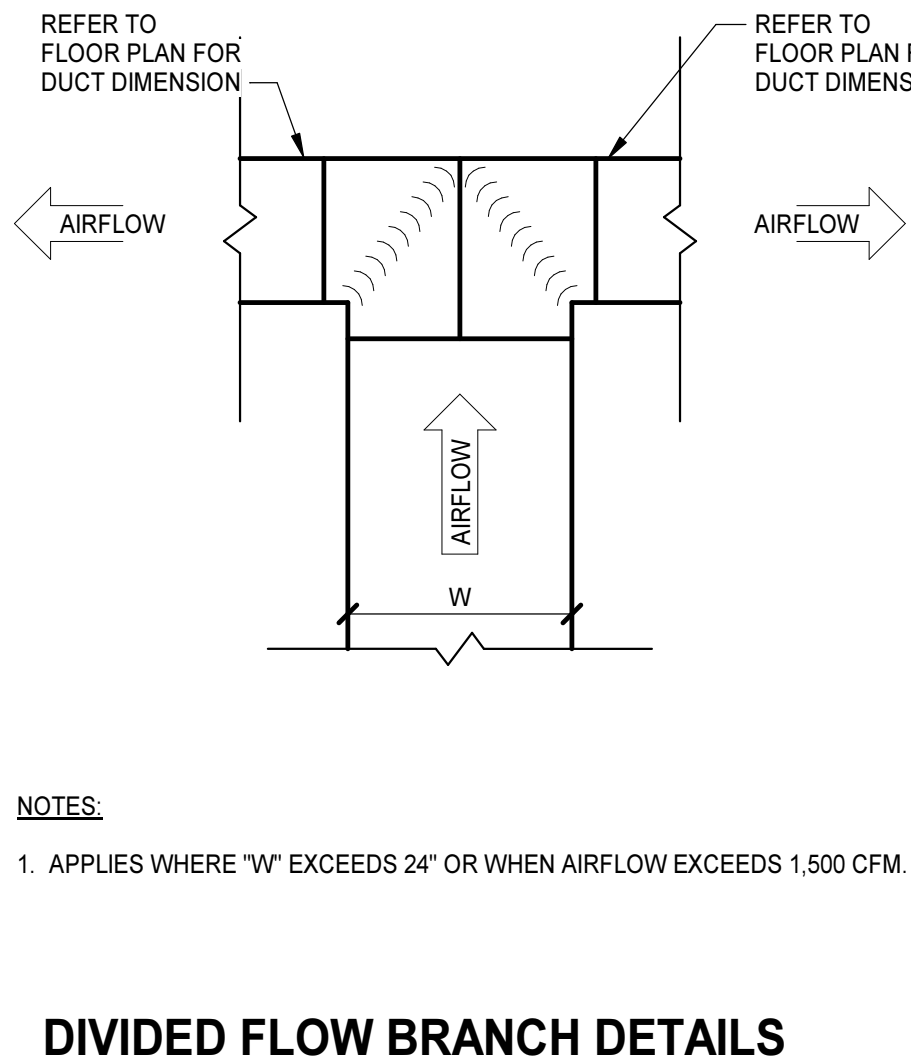
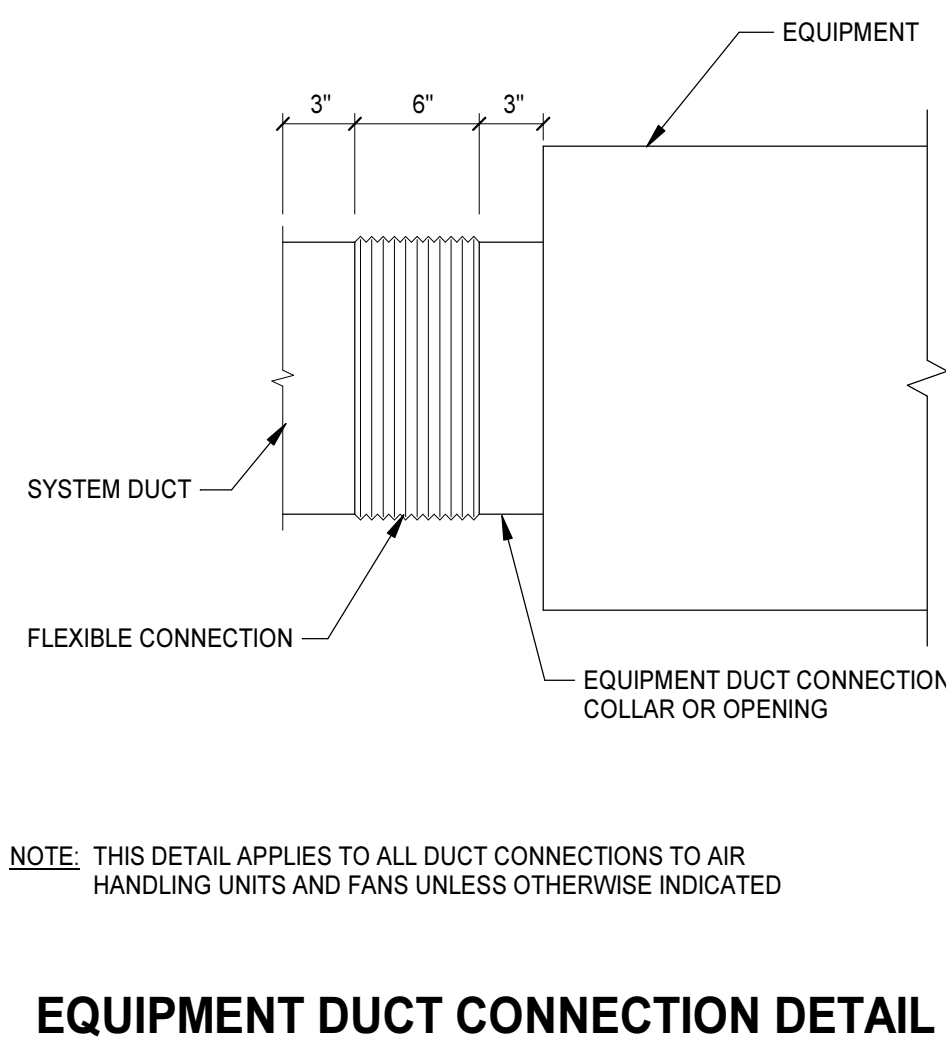
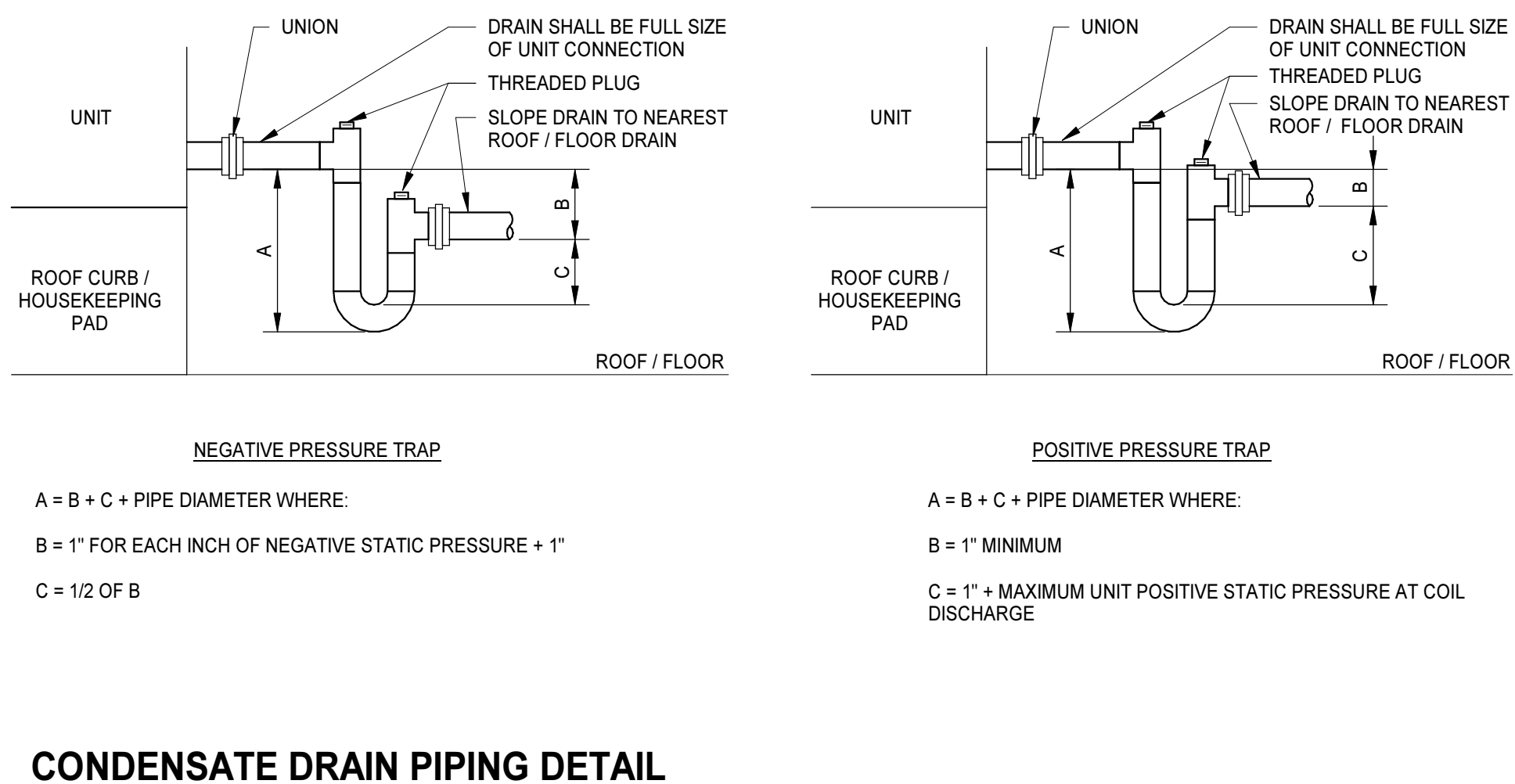
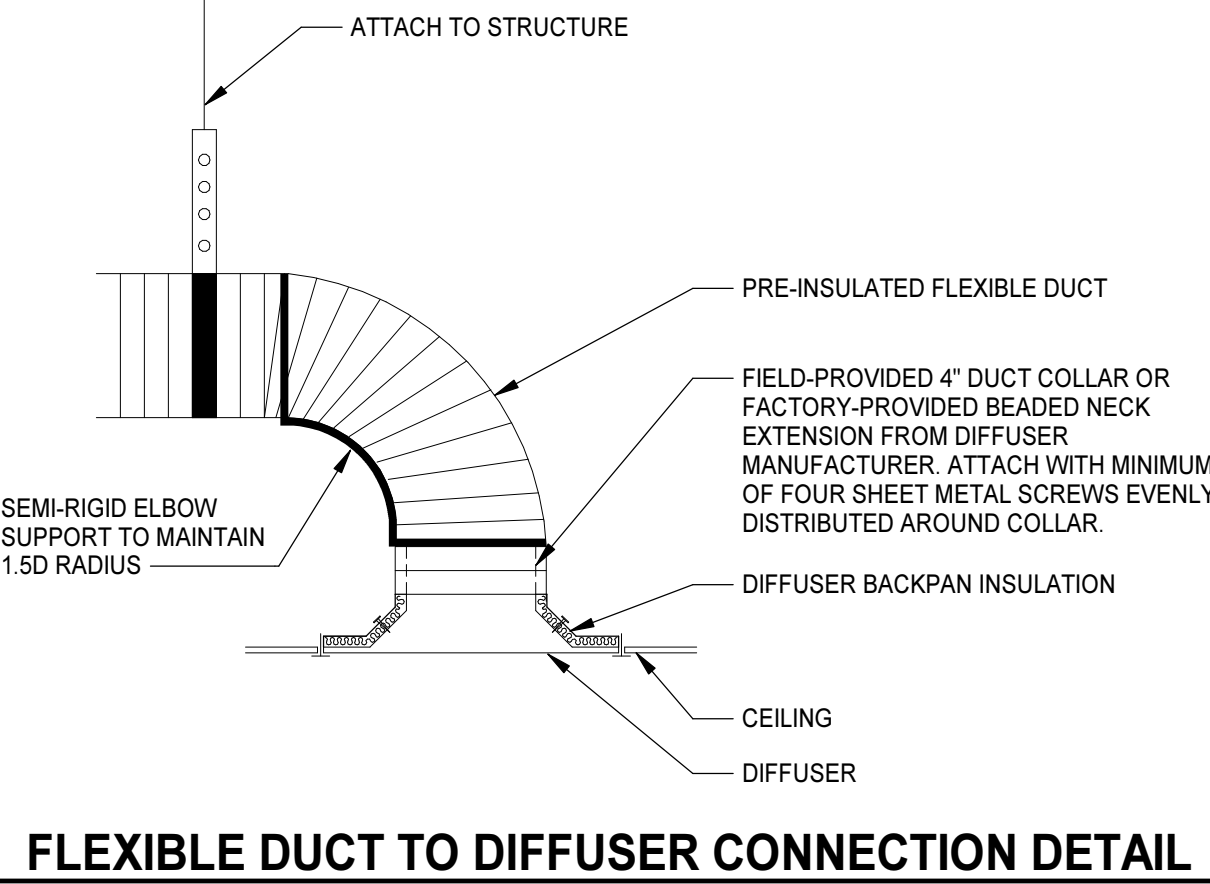
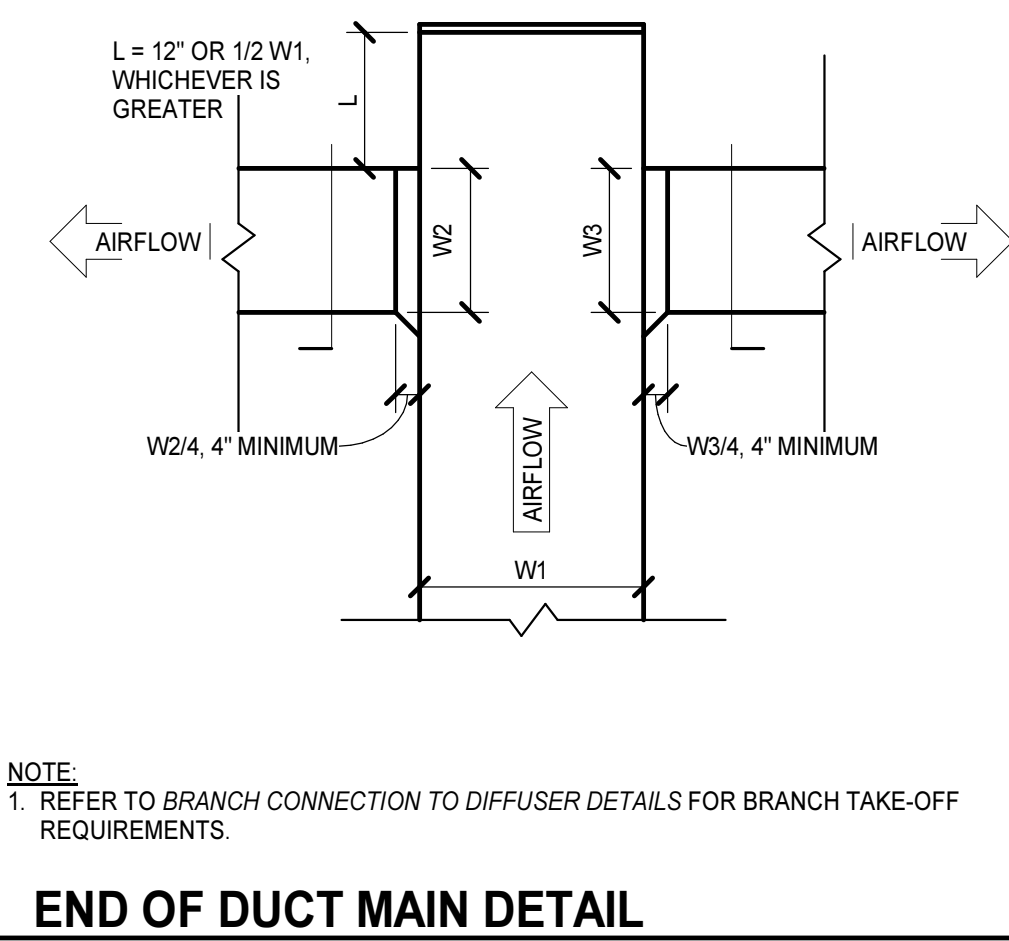
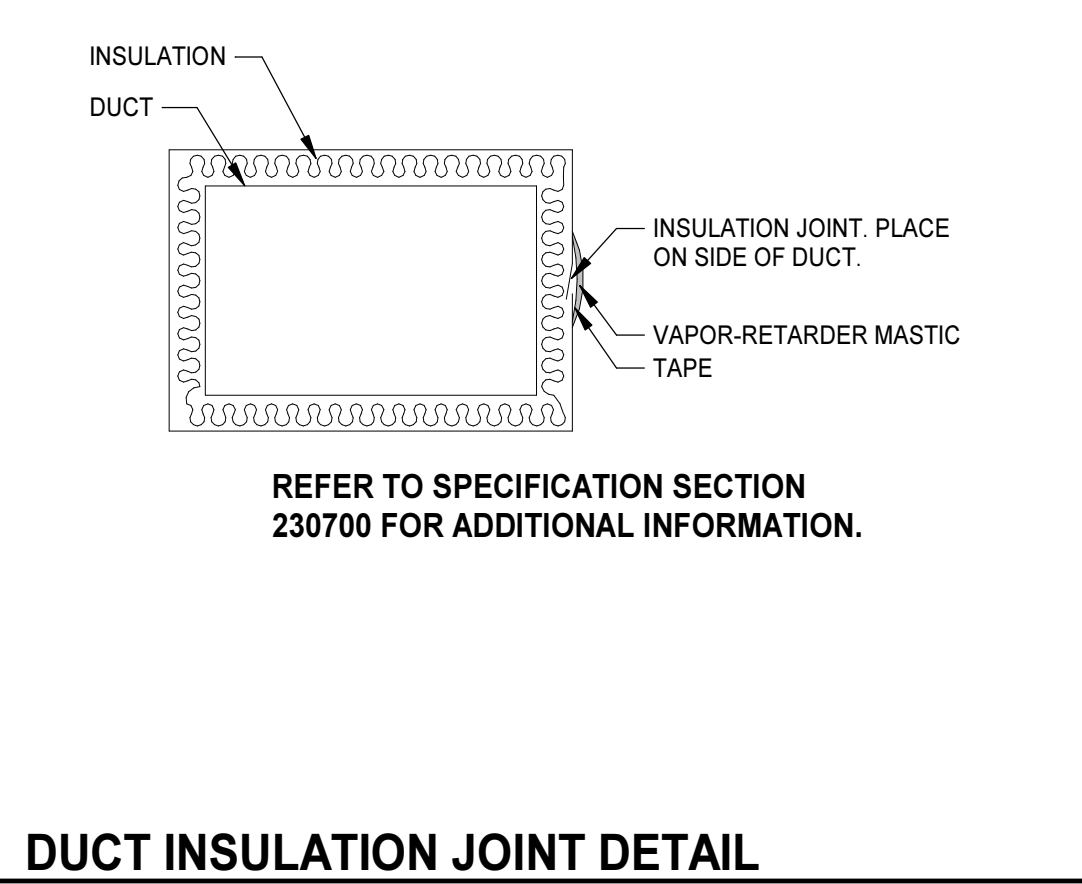
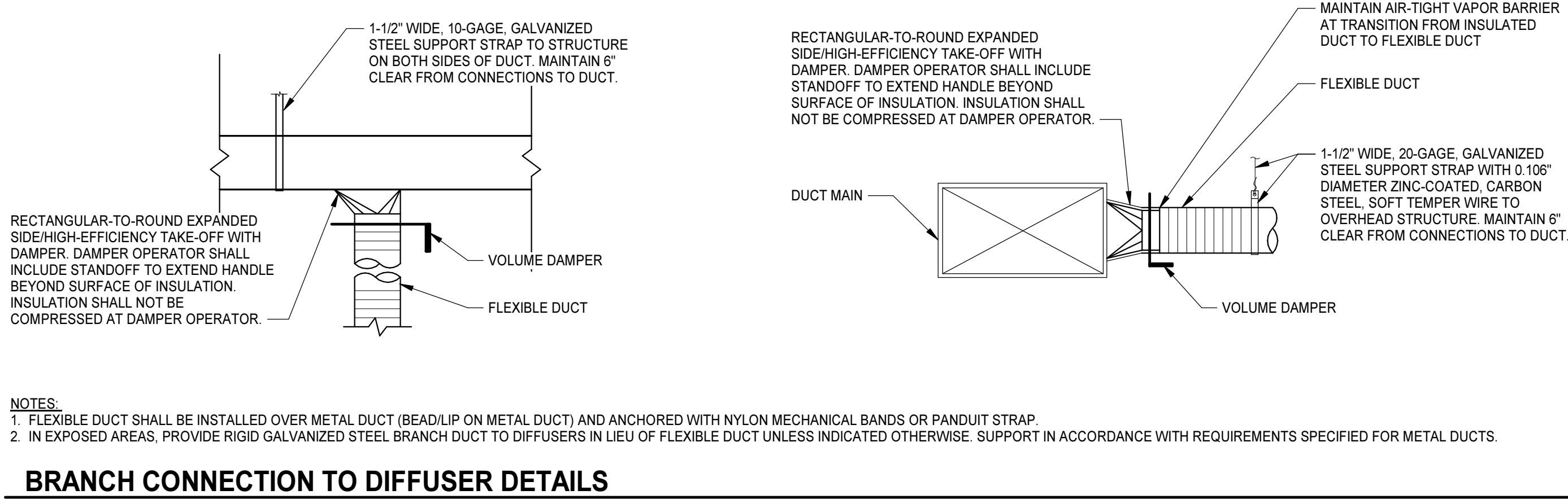
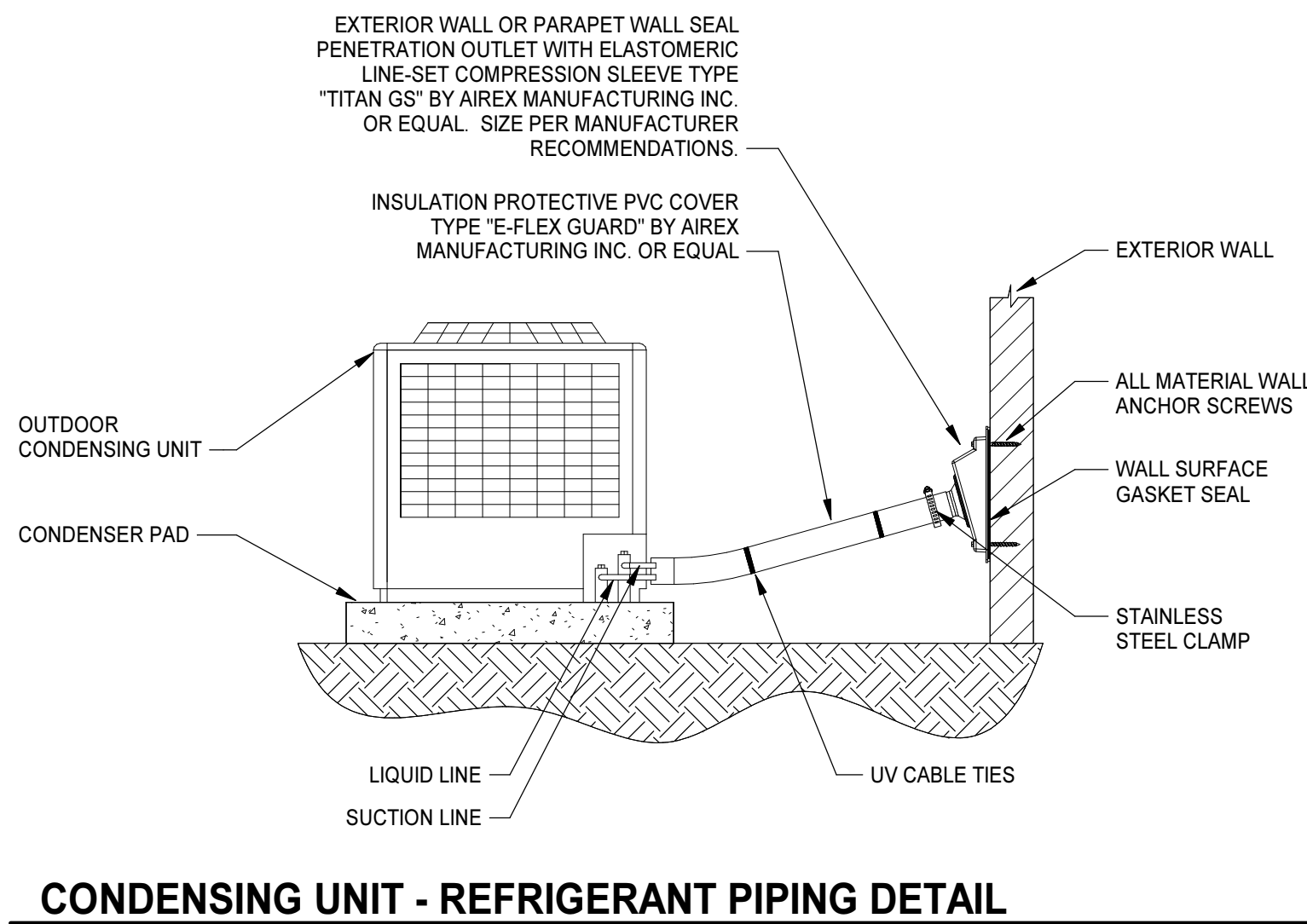
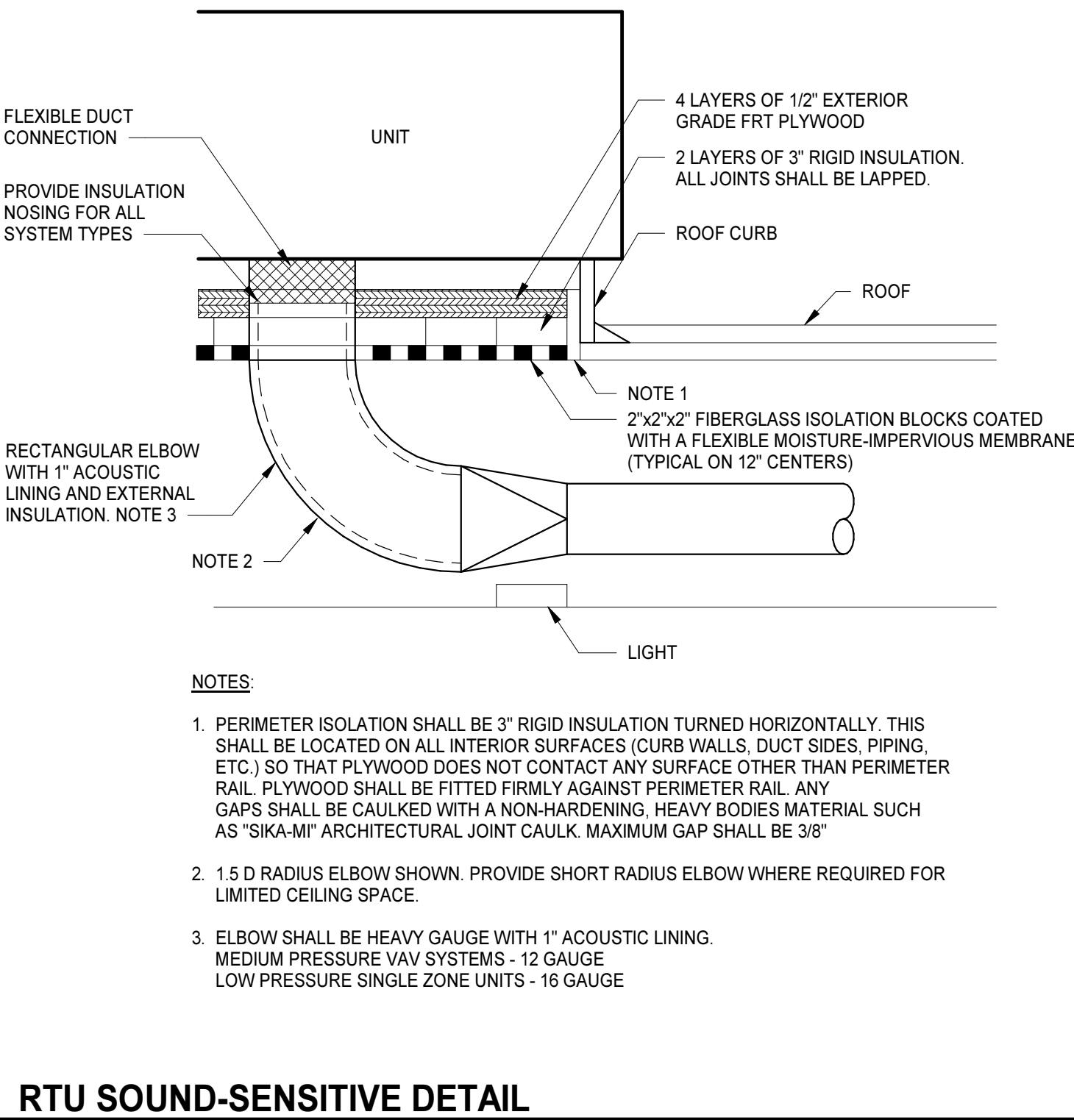
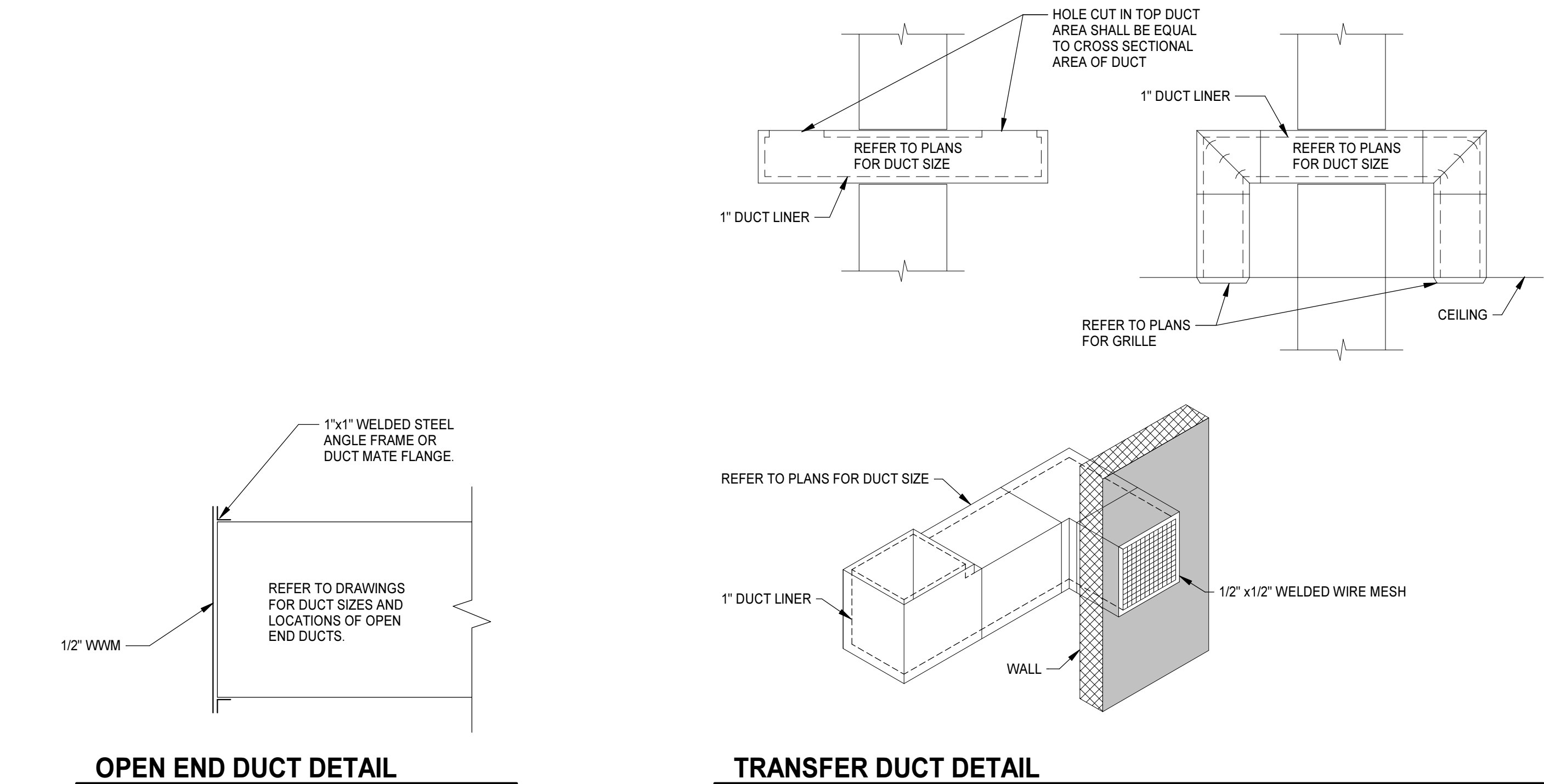
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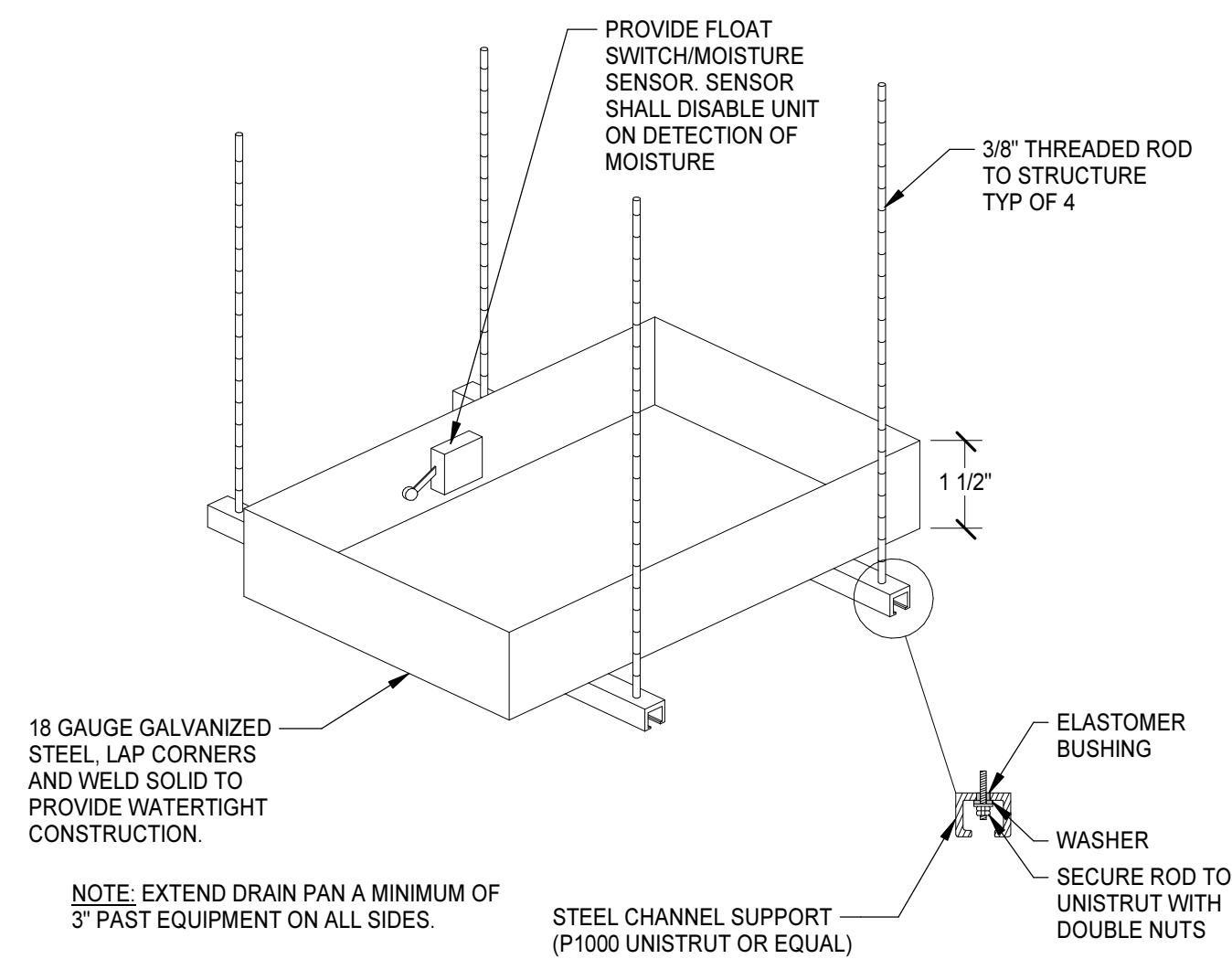
PROJECT NO: 623324
DATE: 10/01/2025

REVISIONS	
DATE	DESCRIPTION

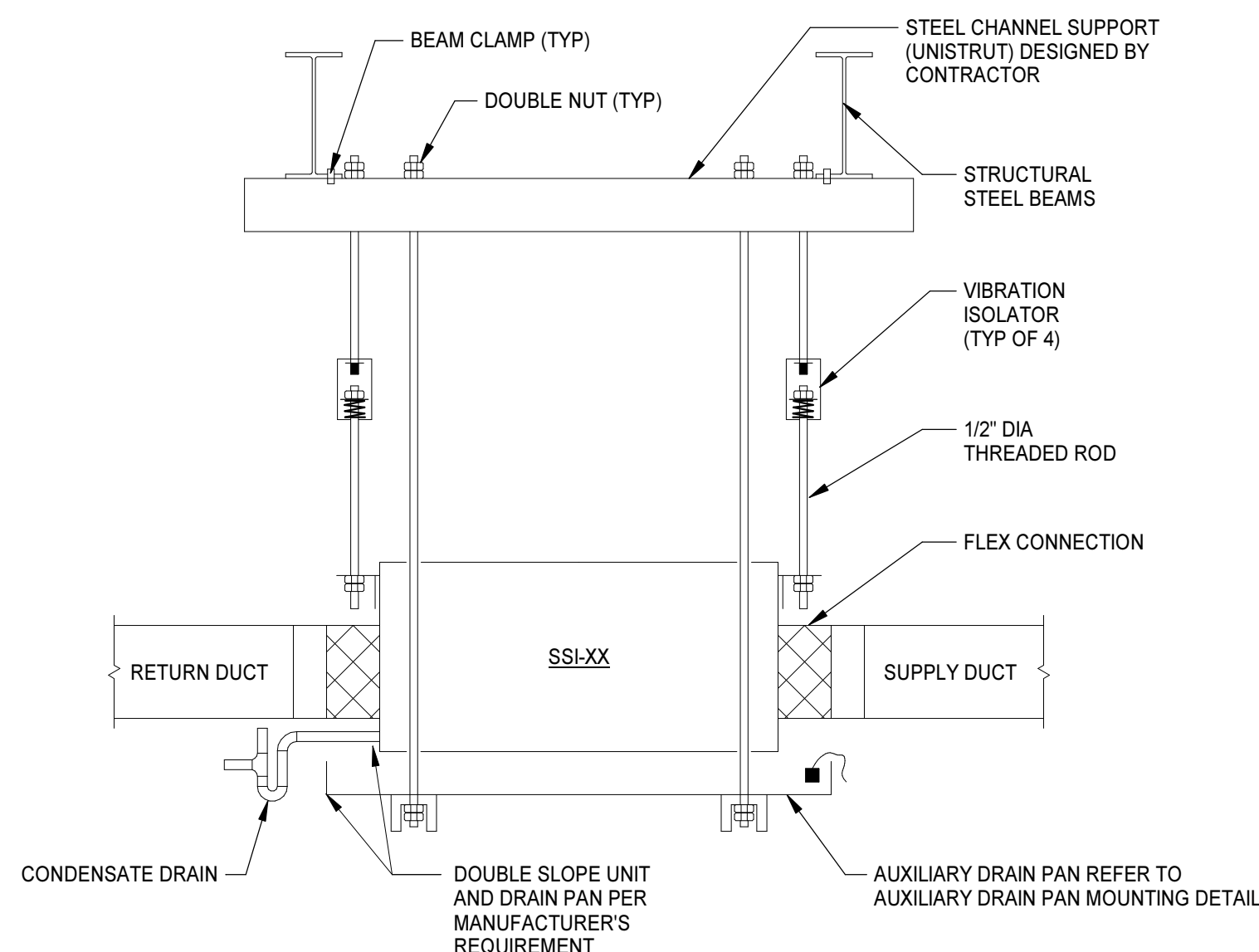
ROOF PLAN

M2.4

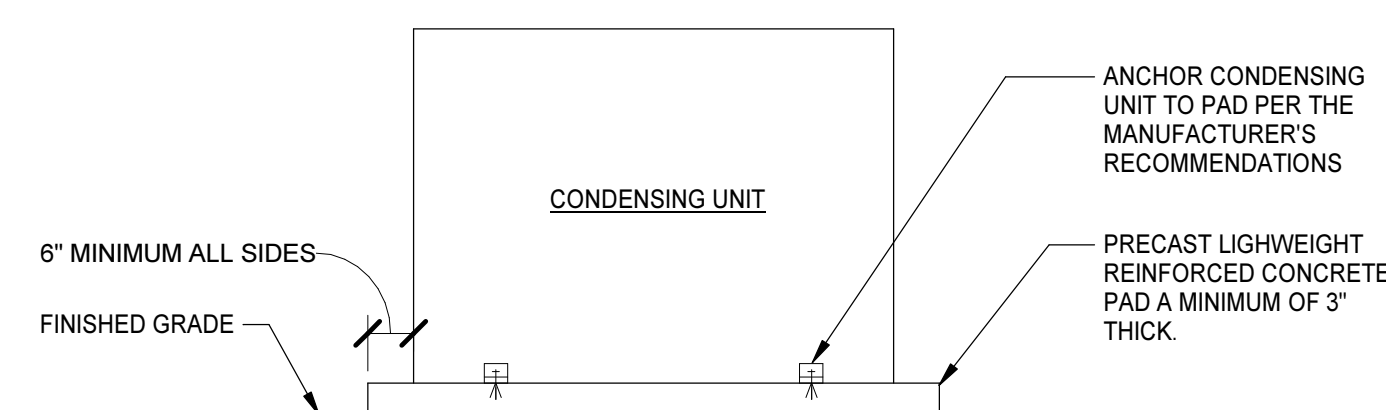




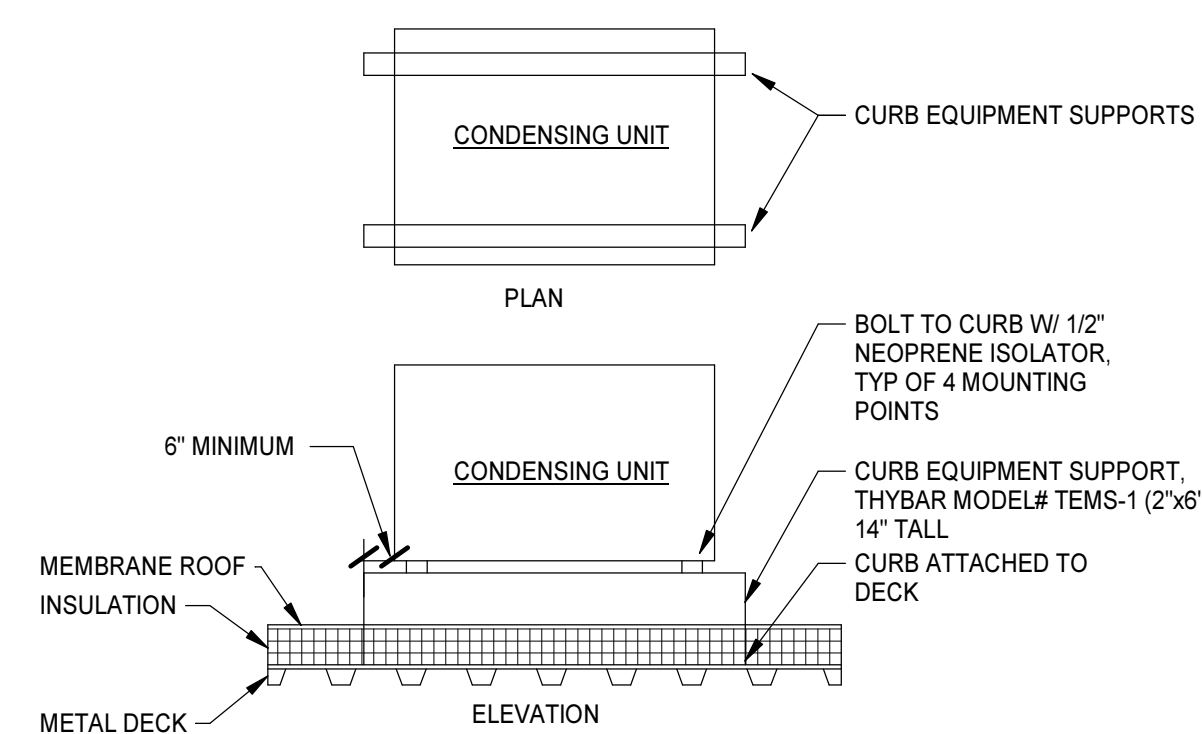
AUXILIARY DRAIN PAN MOUNTING DETAIL



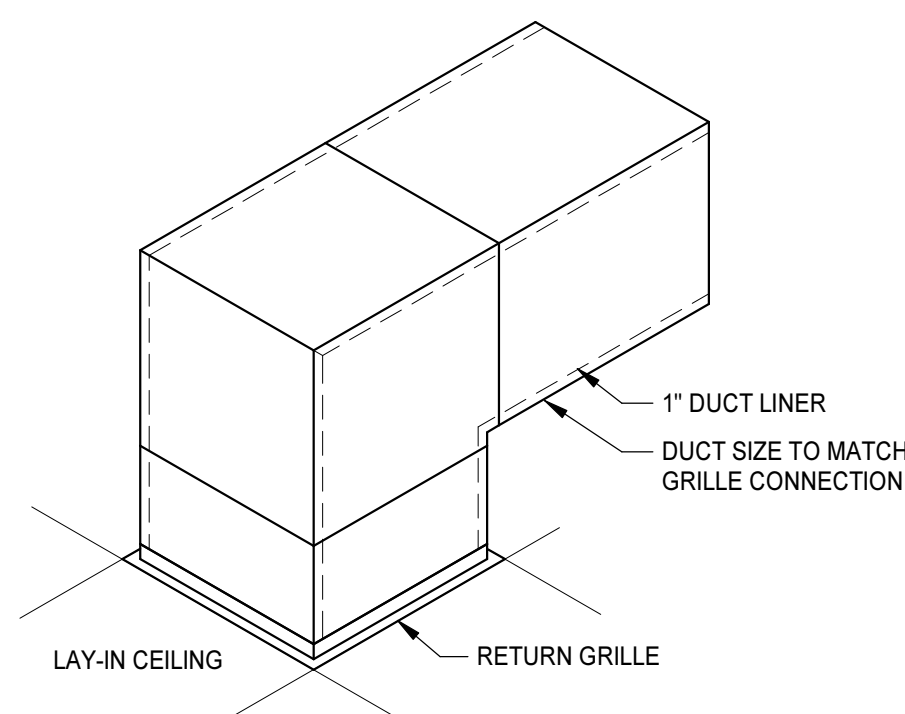
DUCTED SPLIT SYSTEM HEAT PUMP UNIT DETAIL (SSI-XX)



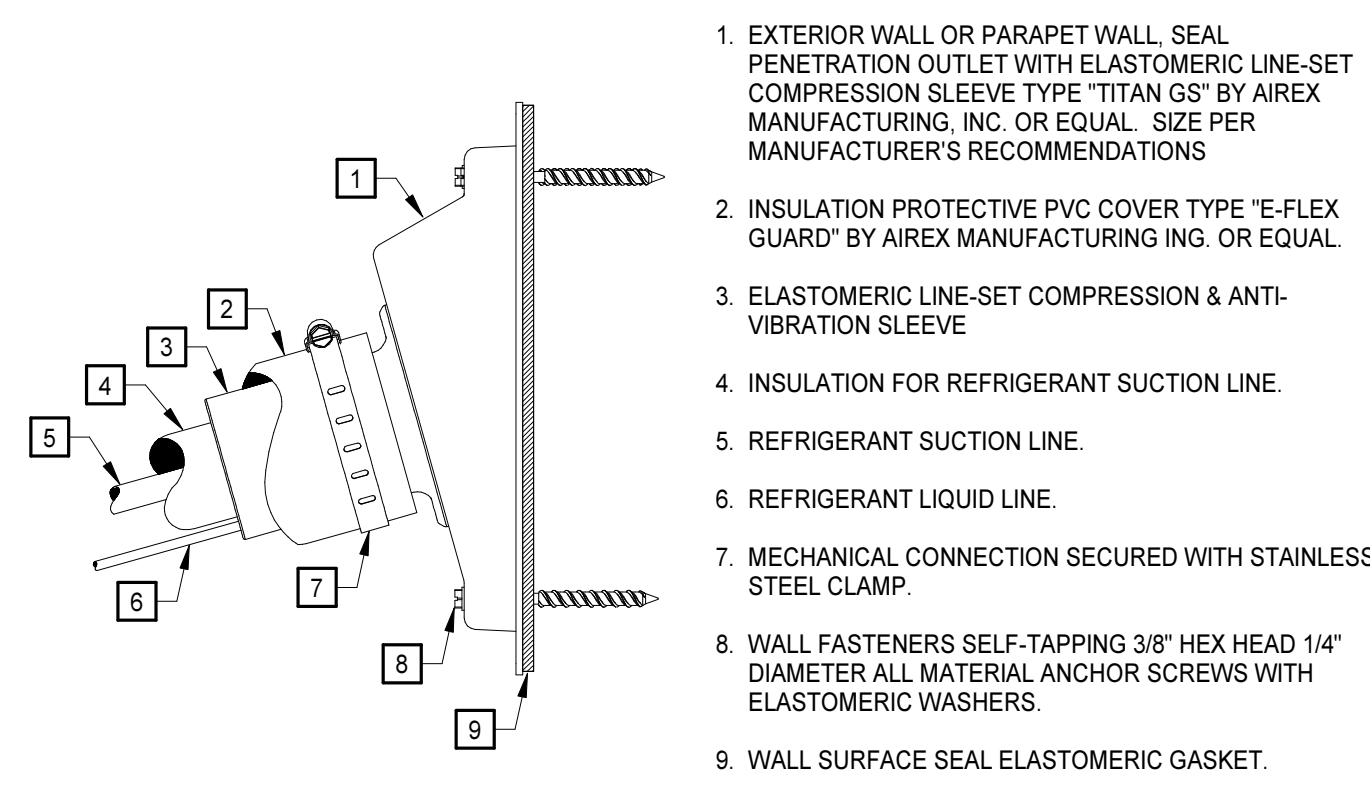
CONDENSING UNIT MOUNTING DETAIL



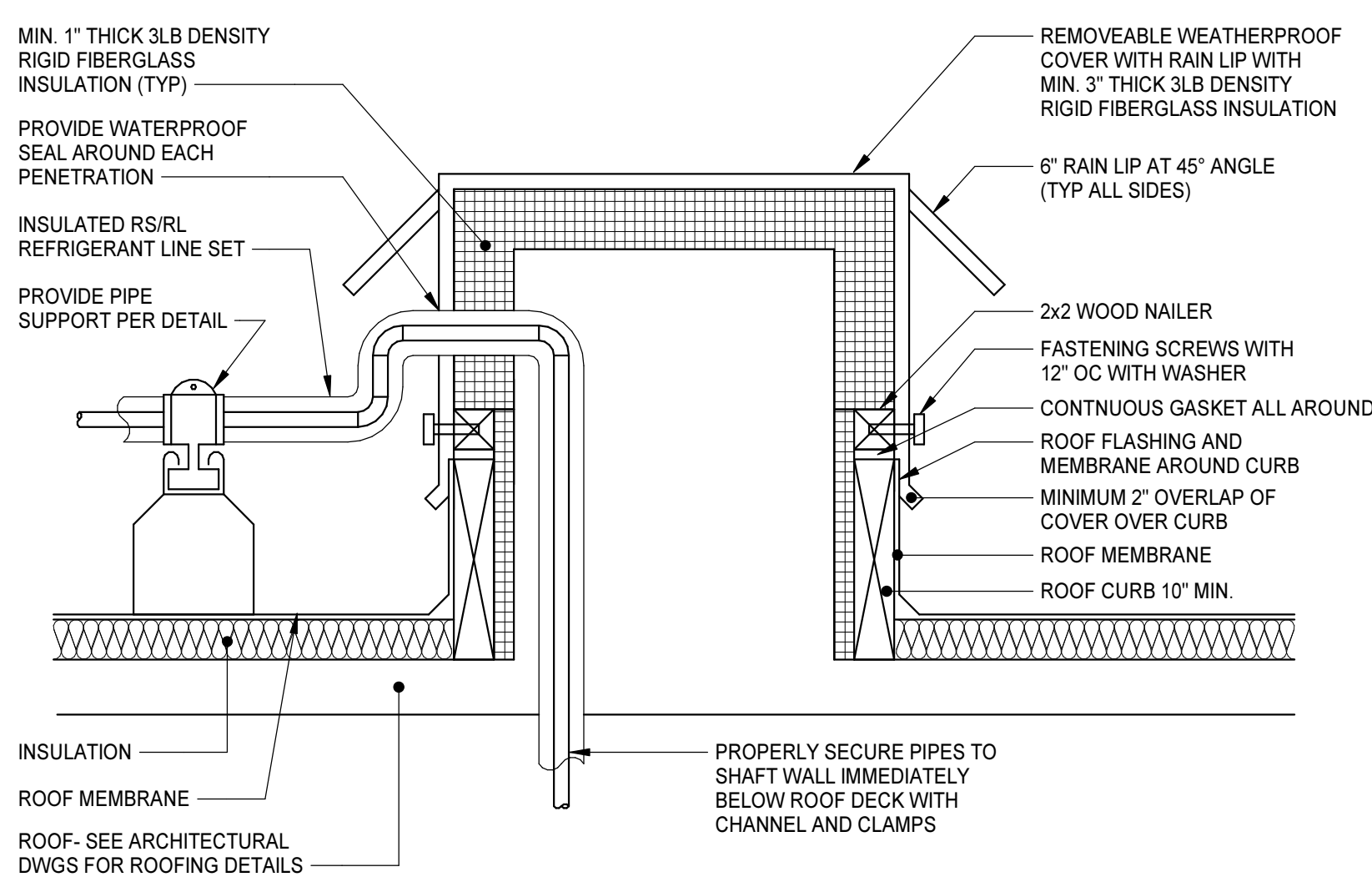
CONDENSING UNIT MOUNTING DETAIL



RETURN DUCT DETAIL

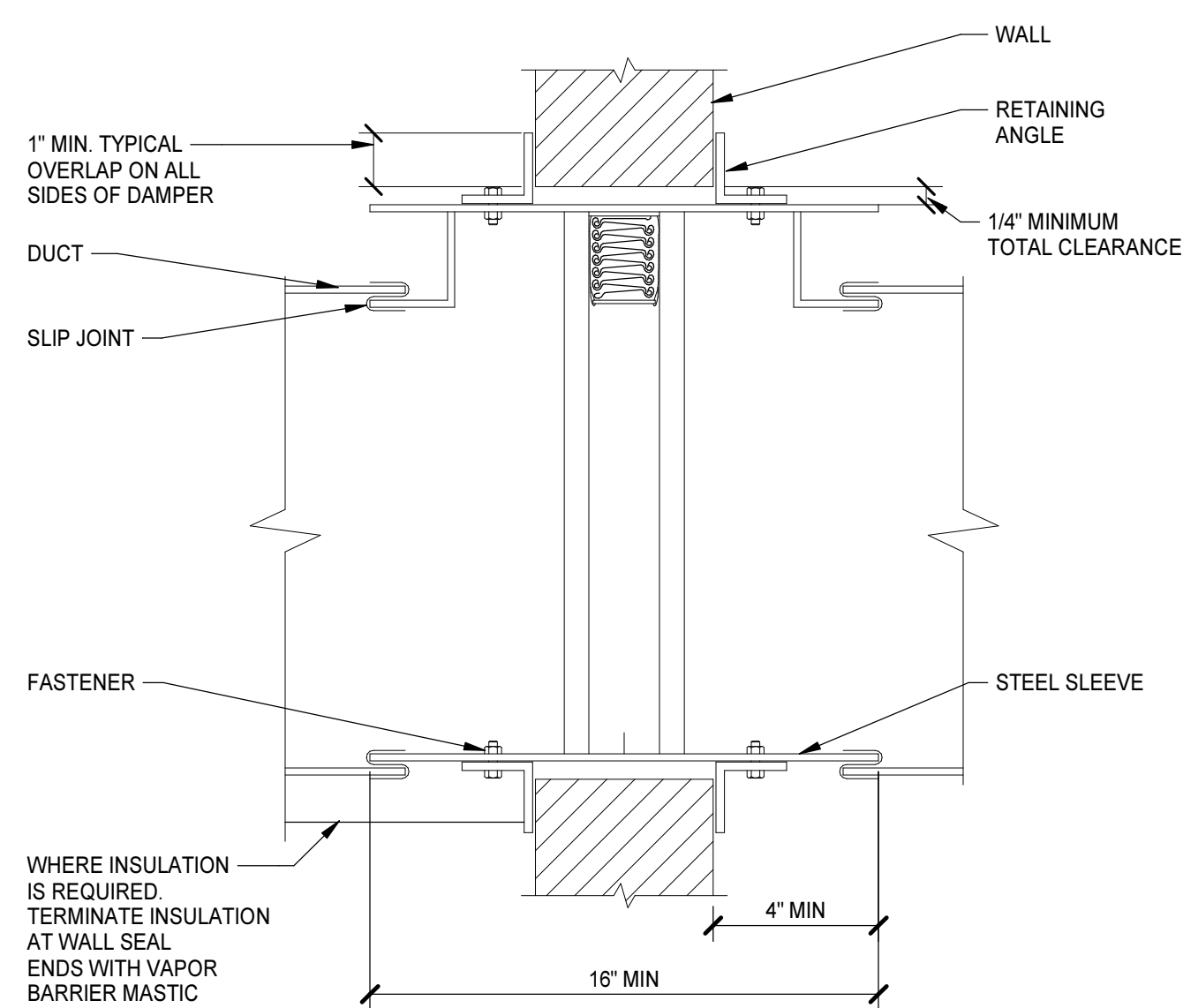


REFRIGERANT PIPE PENETRATION DETAIL - WALL



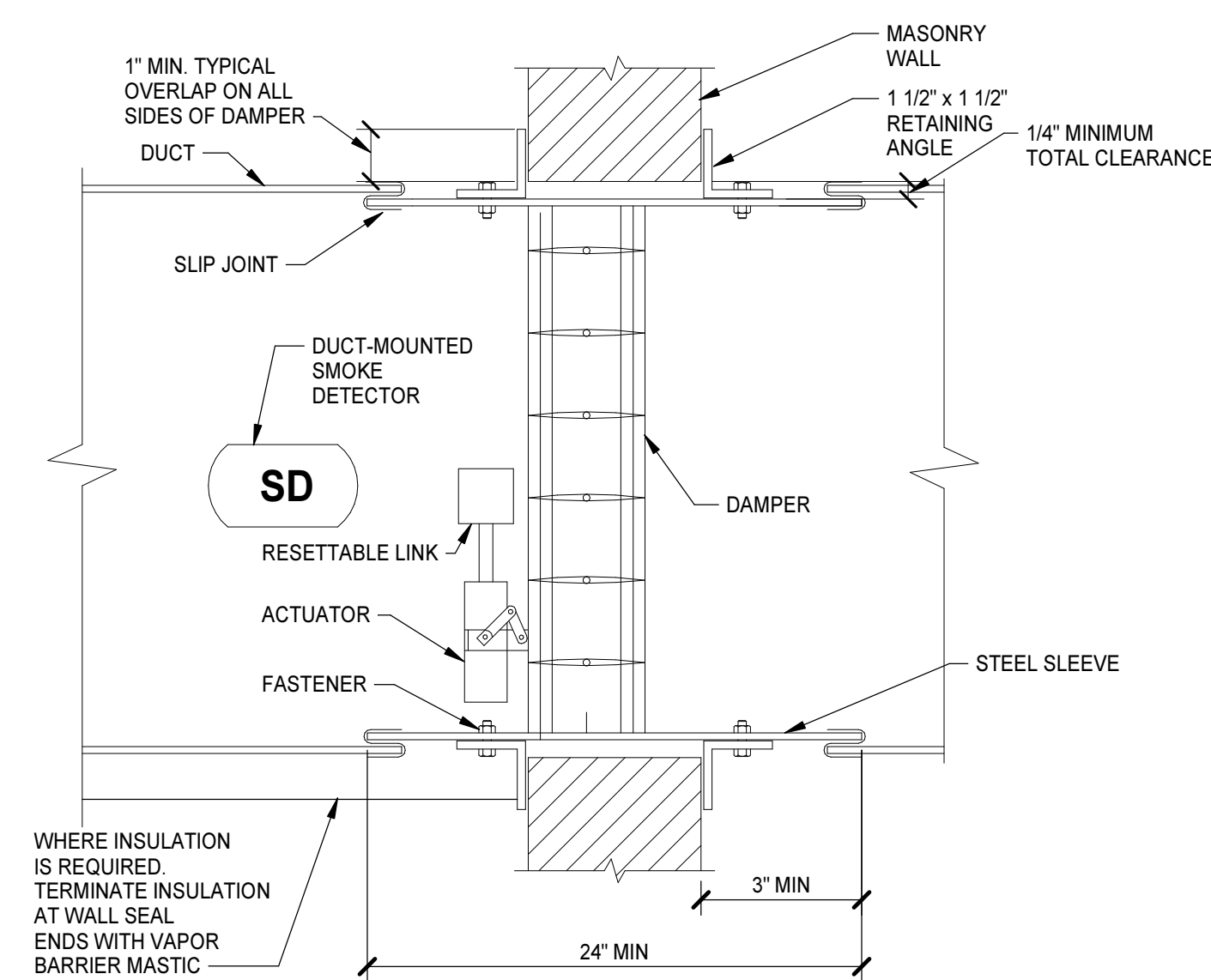
NOTES:
1. SIZE CURB AND COVER HEIGHT BASED ON NUMBER OF LINE SETS. MAXIMUM HEIGHT TO BE 2 LINE SETS STACKED VERTICAL

REFRIGERANT PIPE PENETRATION DETAIL



NOTE: THIS DETAIL IS BASED ON GREENHECK MODEL FD150. ALL FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE MODEL USED.

FIRE DAMPER INSTALLATION DETAIL - TYPE B (VERTICAL)

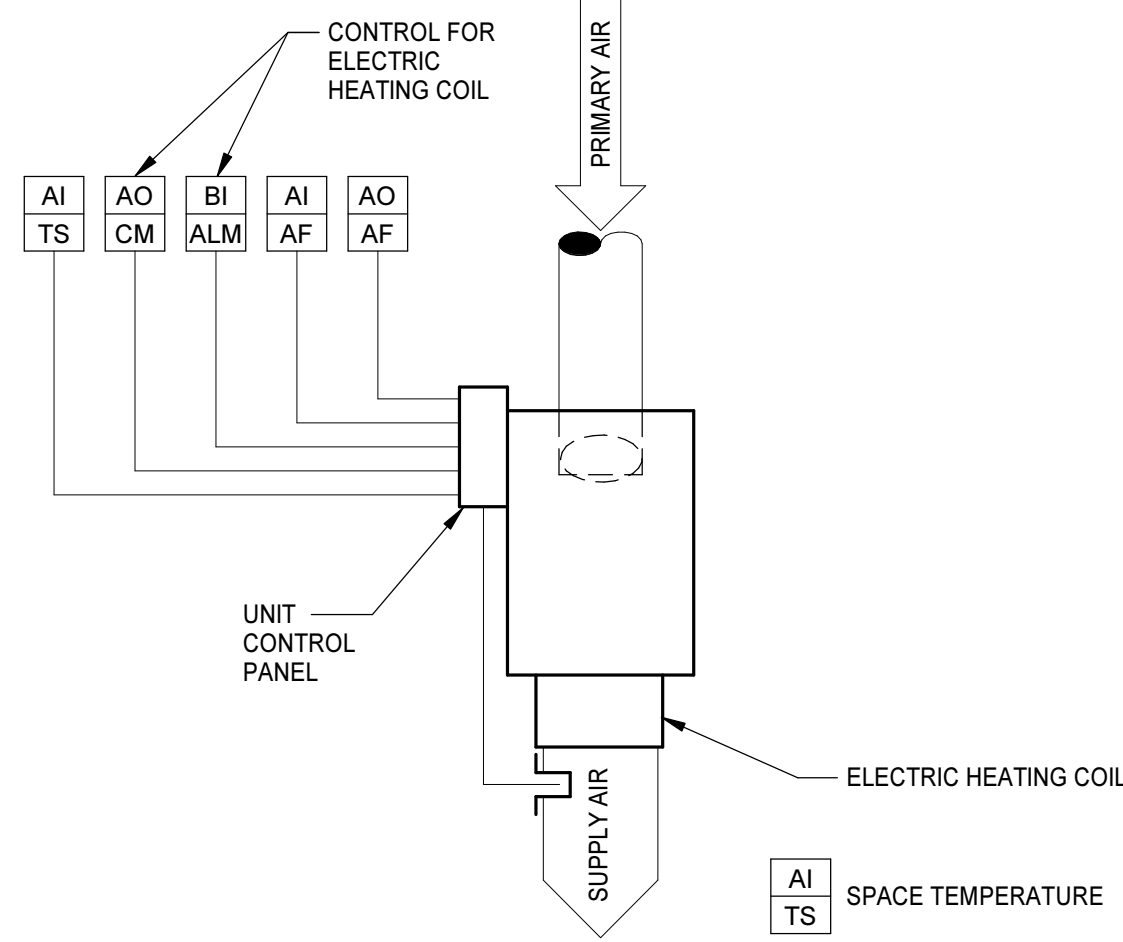


NOTE: THIS DETAIL IS BASED ON GREENHECK MODEL FSD-331. ALL COMBINATION FIRE-SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE MODEL USED.

COMBINATION FIRE-SMOKE DAMPER INSTALLATION DETAIL

PROJECT NO: 623324	
DATE: 10/01/2025	
REVISIONS	
DATE	DESCRIPTION

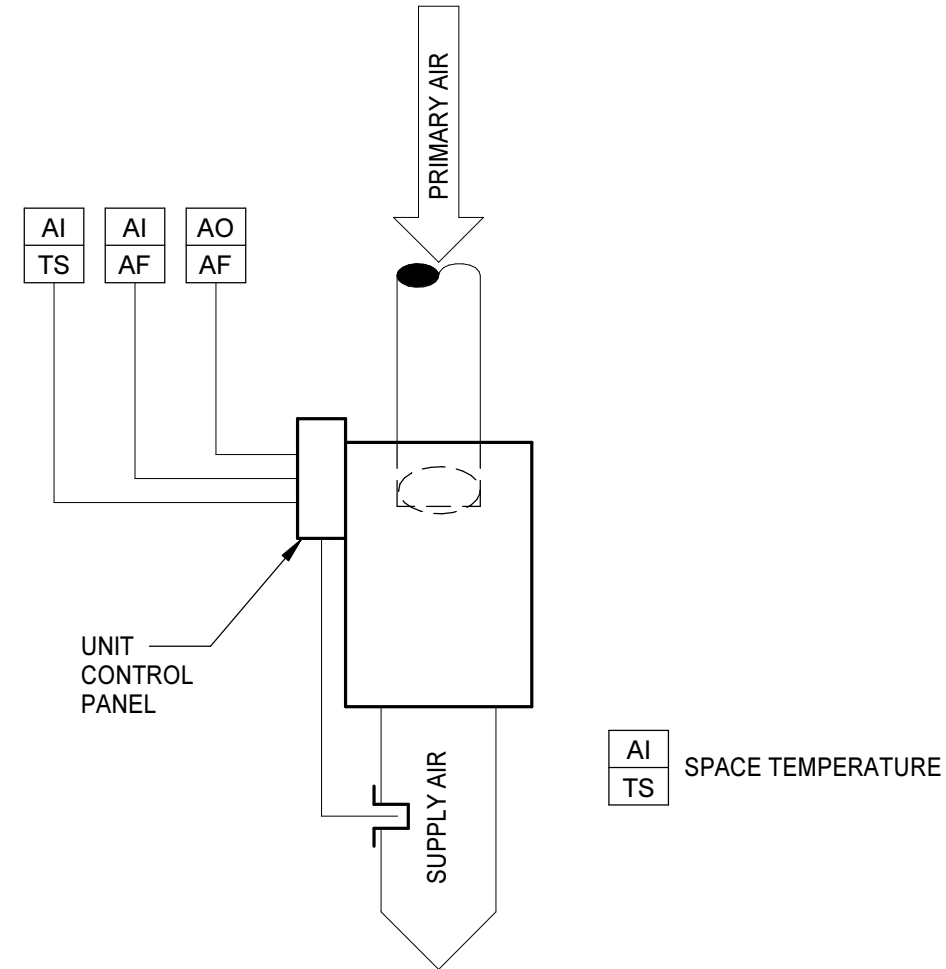
TERMINAL UNIT WITH SCR CONTROLLED ELECTRIC HEAT



SEQUENCES OF CONTROL: TERMINAL UNIT WITH ELECTRIC REHEAT COIL (VAV HEATING)

- A. DESCRIPTION: Cooling & heating with modulating SCR electric heating coil, ceiling mounted, primary air control, variable air volume terminal unit. The unit contains a characterized damper, a pilot type velocity measuring device with transducer, and an electric heating coil. The velocity of air, as sensed by the velocity sensor/transducer combination using a calculation with a known diameter provides flow (CFM) information to the BAS. The temperature of the space, as sensed by the space temperature sensor, allows the controller to determine the required CFM for cooling, when to start the electric heating coil, and what capacity to require from the electric heating coil.
- B. Set points
1. Occupied Mode:
 - a. Air Valve Minimum Air Flow: As scheduled.
 - b. Cooling: 75° F (Adj)
 - c. Heating: 70° F (Adj)
 2. Unoccupied Mode (Primary Unit Off):
 - a. Air Valve Minimum Air Flow: 20% of design maximum airflow.
 - b. Cooling: 85° F (Adj)
 - c. Heating: 55° F (Adj)
- C. Cooling:
1. On a rise in space temperature, as sensed by the space temperature sensor, above the cooling set point, the BAS shall modulate the terminal unit air valve open in response to the increase in space temperature until the maximum cooling indicated CFM is reached.
 2. On a fall in space temperature, as sensed by the space temperature sensor, the reverse shall occur until the minimum cooling indicated CFM is reached.
- D. Heating:
1. On a fall in space temperature, as sensed by the space temperature sensor, the BAS shall modulate the electric heater to maintain leaving air temperature at set point, 90° F (Adj), as the first stage of heat with the air valve at the minimum airflow. Upon a continued fall in temperature the air valve shall be modulated from minimum to maximum heating airflow to maintain space temperature.
 - a. If the associated air handling unit has DX cooling enabled, the maximum heating airflow shall be limited to 50% of the cooling maximum airflow or the cooling minimum flow, whichever is higher. If further heating capacity is needed (spaces cannot maintain set point for longer than 15 mins), the leaving air temperature shall be reset up where the electric heater can fully modulate on.
 2. On a rise in space temperature, as sensed by the space temperature sensor, the reverse shall occur.
- E. Monitoring points: The following information shall be sent to the BAS by the unitary controller and subsequently displayed on the head end graphics.
1. Measured/calculated primary air flow.
- F. Deadband: A five-degree (5°F) deadband shall always be maintained between heating and cooling set points. This shall not be an adjustable value on the head end graphics.

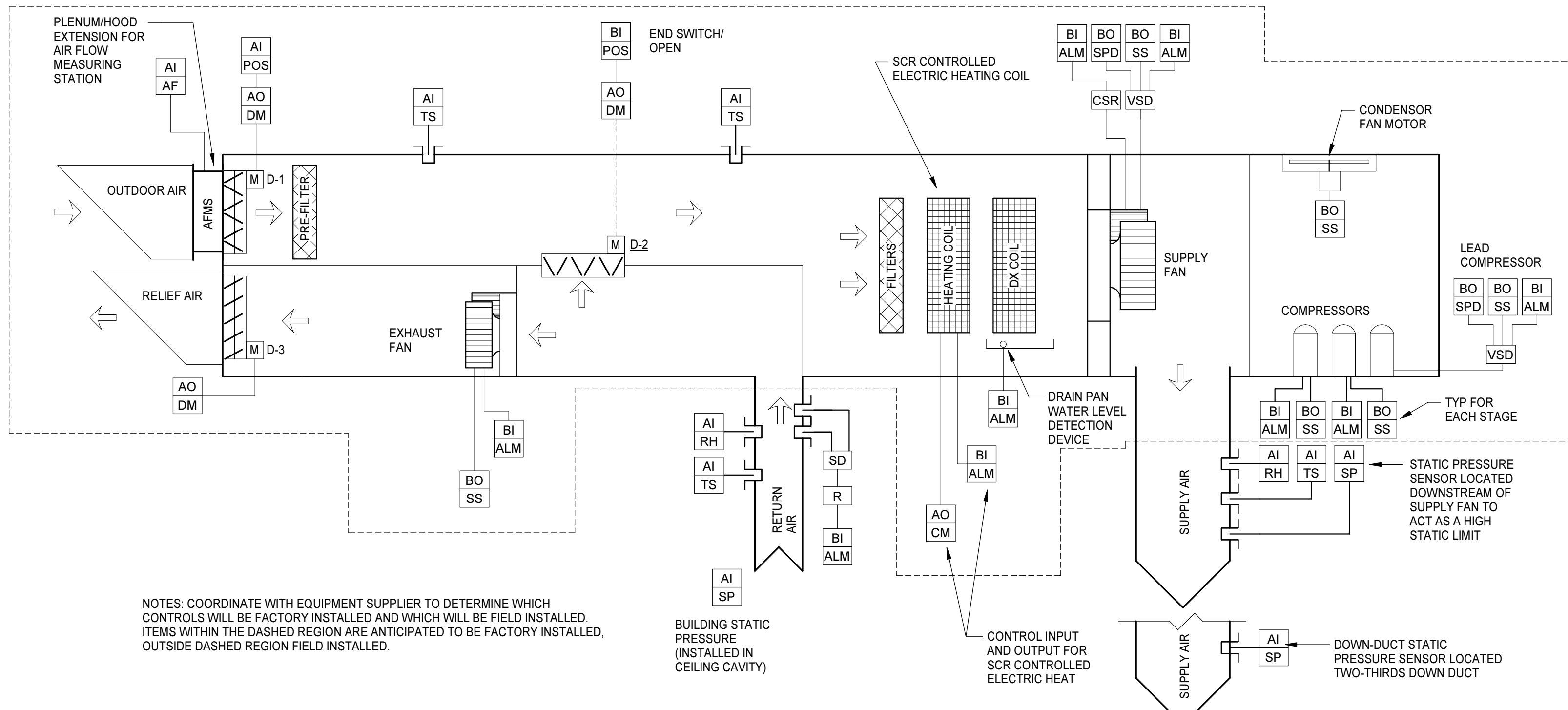
TERMINAL UNIT - COOLING ONLY



SEQUENCES OF CONTROL: TERMINAL UNIT WITH ELECTRIC REHEAT COIL (VAV HEATING)

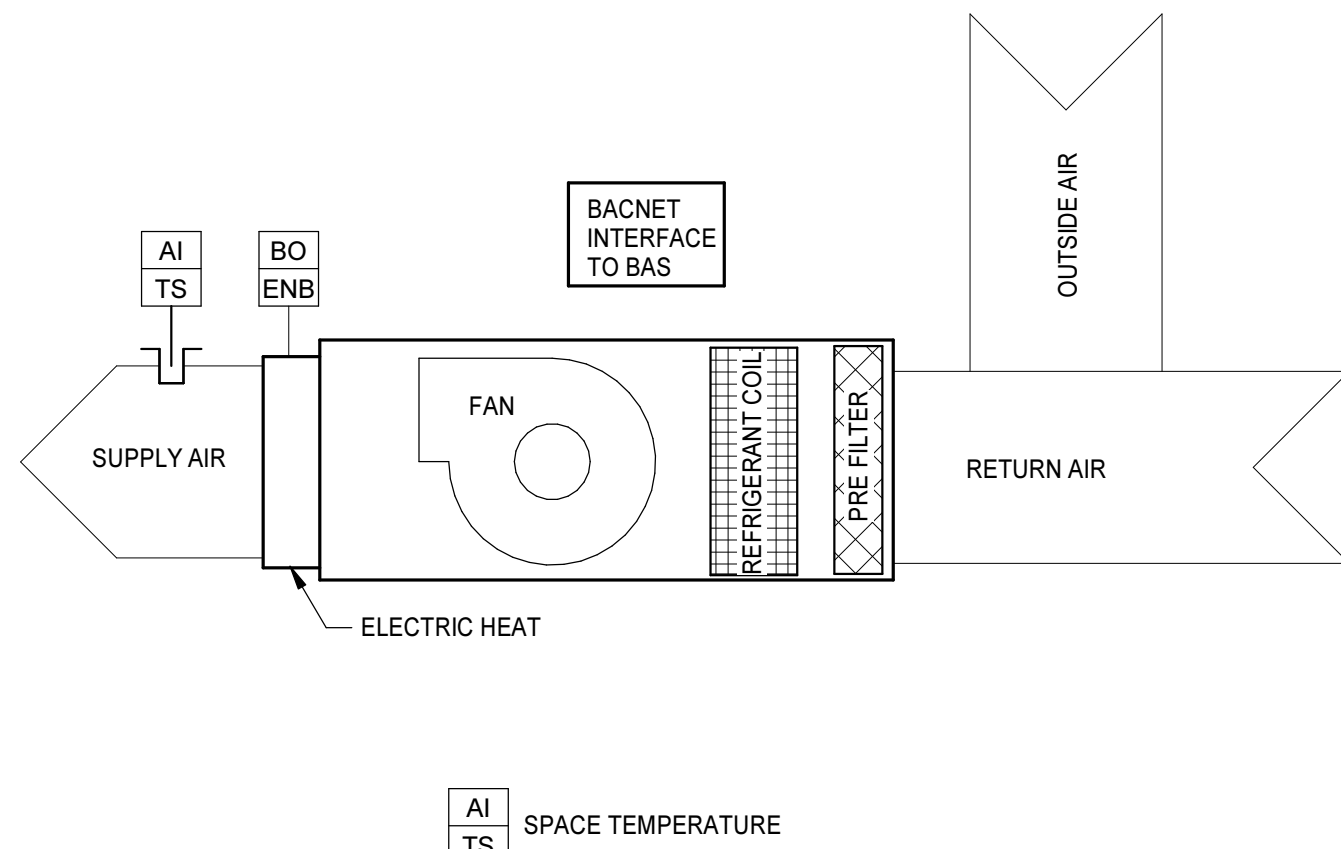
- A. DESCRIPTION: Cooling only, ceiling mounted, primary air control, variable air volume terminal unit. The unit contains a characterized damper and a pilot type velocity measuring device with transducer. The velocity of air, as sensed by the velocity sensor/transducer combination using a calculation with a known diameter provides flow (CFM) information to the BAS. The temperature of the space, as sensed by the space temperature sensor, allows the controller to determine the required CFM for cooling.
- B. Set points
1. Occupied Mode:
 - a. Air Valve Minimum Air Flow: 0 CFM.
 - b. Cooling: 75° F (Adj)
 2. Unoccupied Mode (Primary Unit Off):
 - a. Air Valve Minimum Air Flow: 0 CFM.
 - b. Cooling: 75° F (Adj)
- C. Cooling:
1. On a rise in space temperature, as sensed by the space temperature sensor, above the cooling set point, the BAS shall modulate the terminal unit air valve open in response to the increase in space temperature until the maximum cooling indicated CFM is reached.
 2. On a fall in space temperature, as sensed by the space temperature sensor, the reverse shall occur until the minimum cooling indicated CFM is reached.
- D. Monitoring points: The following information shall be sent to the BAS by the unitary controller and subsequently displayed on the head end graphics.
1. Measured/calculated primary air flow.
- E. Deadband: A five-degree (5°F) deadband shall always be maintained between heating and cooling set points. This shall not be an adjustable value on the head end graphics.

PACKAGED VAV ROOFTOP UNIT SERVING TERMINAL UNITS



NOTES: COORDINATE WITH EQUIPMENT SUPPLIER TO DETERMINE WHICH CONTROLS WILL BE FACTORY INSTALLED AND WHICH WILL BE FIELD INSTALLED. ITEMS WITHIN THE DASHED REGION ARE ANTICIPATED TO BE FACTORY INSTALLED, OUTSIDE DASHED REGION FIELD INSTALLED.

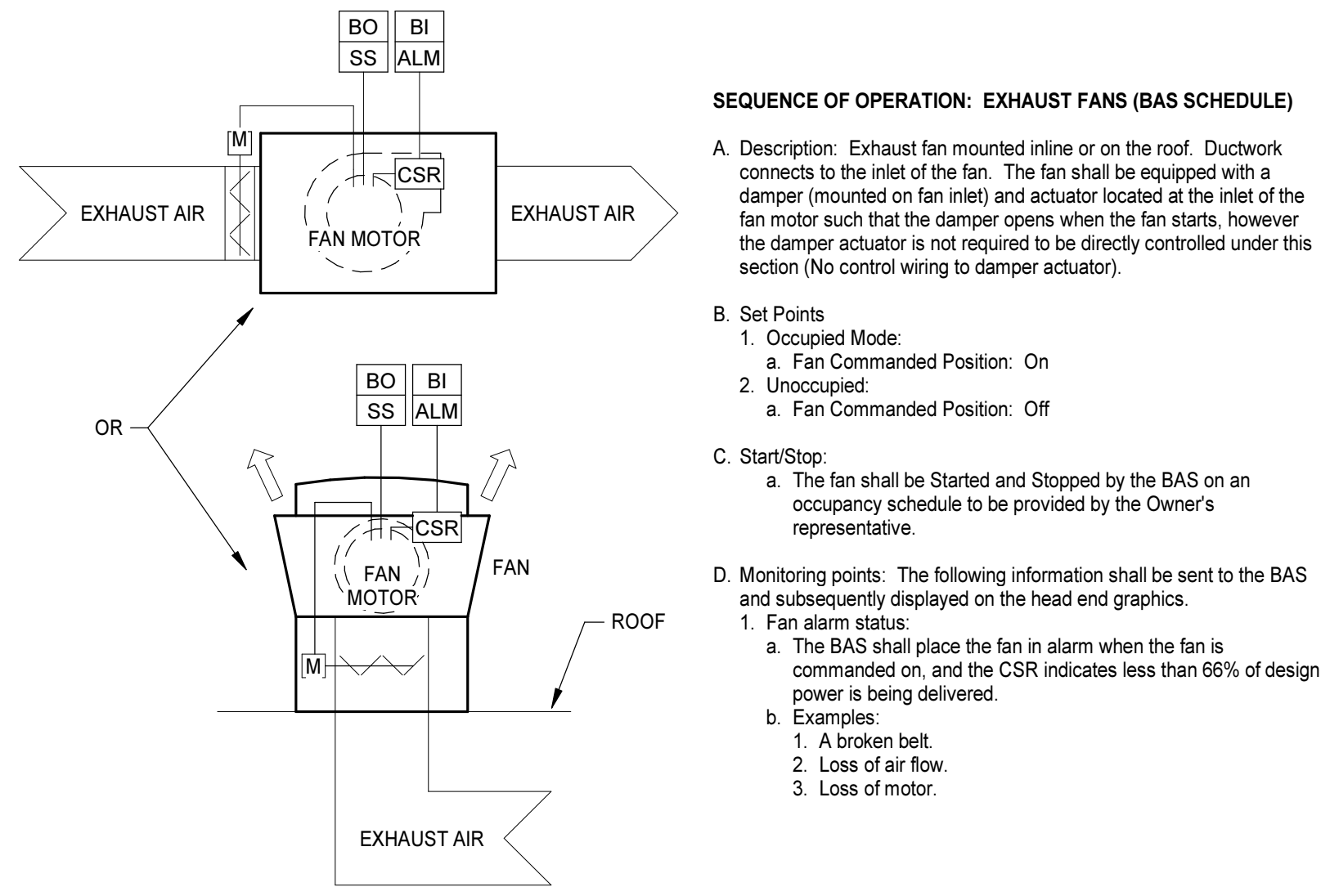
SPLIT SYSTEM HEAT PUMP WITH ELECTRIC HEAT



SEQUENCES OF CONTROL: SPLIT SYSTEM HEAT PUMP WITH ELECTRIC HEATING COIL

- A. General: The BAS shall enable and disable the unit through a BACNET interface, and the unit will operate under its own controls once enabled. The BAS shall indicate, at minimum, the following points at the head end via the BACNET interface.
1. Space Temperature
 2. Alarms and Faults:
 - a. Low Pressure
 - b. High Pressure
 - c. Condensate Overflow
 - d. Fan Failure
 3. Operation Mode
- B. Set points
1. Occupied Mode:
 - a. Cooling: 75° F (Adj)
 - b. Heating: 70° F (Adj)
 2. Unoccupied Mode:
 - a. Cooling: 85° F (Adj)
 - b. Heating: 55° F (Adj)
- C. Occupied Mode: The BAS shall open the outside air damper and the fan shall operate continuously.
- D. Unoccupied Mode: The BAS shall close the outside air damper. The BAS shall cycle the fan on whenever heating or cooling is required.
- E. Space Temperature Control: The BAS shall command the heat pump to operate in either cooling or heating mode to maintain space temperature set points.

EXHAUST FAN - CONTROLLED BY BAS SCHEDULE



SEQUENCE OF OPERATION: EXHAUST FANS (BAS SCHEDULE)

- A. Description: Exhaust fan mounted inline or on the roof. Ductwork connects to the inlet of the fan. The fan shall be equipped with a damper (mounted on fan inlet) and actuator located at the inlet of the fan motor such that the damper opens when the fan starts, however the damper actuator is not required to be directly controlled under this section (No control wiring to damper actuator).
- B. Set Points
1. Occupied Mode:
 - a. Fan Commanded Position: On
 2. Unoccupied:
 - a. Fan Commanded Position: Off
- C. Start/Stop:
- a. The fan shall be Started and Stopped by the BAS on an occupancy schedule to be provided by the Owner's representative.
- D. Monitoring points: The following information shall be sent to the BAS and subsequently displayed on the head end graphics.
1. Fan alarm status:
 - a. The BAS shall place the fan in alarm when the fan is commanded on, and the CSR indicates less than 86% of design power is being delivered.
 - b. Examples:
 1. A broken belt.
 2. Loss of air flow.
 3. Loss of motor.

PROJECT NO: 623324	DATE: 10/10/2025
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HALIFAX COUNTY COURTHOUSE
HALIFAX COUNTY
357 FERRELL LANE
HALIFAX, NC 27839



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CONTROLS

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M7.1

FIRE ALARM LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, MOUNT AT 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
	FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE WITH DEVICE GUARD, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. #/# INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
	FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. #/# INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
	FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE WITH DEVICE GUARD, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. #/# INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
	FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. #/# INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
	FIRE ALARM MANUAL PULL STATION, MOUNT AT +3'-10" AFF.
	FIRE ALARM KEY OPERATED MANUAL PULL STATION, MOUNT AT +3'-10" AFF.
	FIRE ALARM DUCT SMOKE DETECTOR, FURNISH AND CONNECT UNDER DIVISION 28. INSTALL UNDER DIVISION 23. VERIFY LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN. PROVIDE ACCESSIBLE KEY OPERATED REMOTE TEST SWITCH FOR EACH DETECTOR.
	SMOKE DETECTOR, CEILING MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.
	HEAT DETECTOR, CEILING MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.
	FIRE ALARM TAMPER SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
	FIRE ALARM FLOW SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
	POST INDICATOR VALVE SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
	FIRE ALARM PRESSURE SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
	FIRE ALARM REMOTE INDICATOR, CEILING MOUNT.
	FIRE ALARM MONITOR MODULE. NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS.
	FIRE ALARM CONTROL MODULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS.
	FIRE ALARM SPRINKLER BELL, MOUNT AT +10'-0" AFF.
	FIRE ALARM MAGNETIC DOOR HOLDER, WALL MOUNT DEVICE AT 6" BELOW TOP OF DOOR. PROVIDE HINGED MAGNETIC CATCH PLATE ON DOOR TO MATE WITH DEVICE. COORDINATE LOCATION AND LENGTH WITH DIVISION 08. PROVIDE CONCEALED 120-VOLT POWER CONNECTION AND FIRE ALARM CONTROL MODULE IF REQUIRED FOR PROPER OPERATION.
	FIRE ALARM DOOR HOLDER/CLOSER HARDWARE UNDER DIVISION 08, MONITOR AND CONTROL INTERFACE WITH FIRE ALARM UNDER DIVISION 28.
	FIRE ALARM POWER CONNECTION TO DIVISION 23 SMOKE OR FIRE/SMOKE DAMPER. COORDINATE WITH DIVISION 23. REFER TO TYPICAL FIRE/SMOKE DAMPER DIAGRAM.

ONE LINE DIAGRAM LEGEND	
SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	FUSED SWITCH
	TRANSFORMER
	TRANSFER SWITCH
	FEEDER DESIGNATION
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER

GRAPHICS SYMBOLS LEGEND	
	SPACE IDENTIFICATION TAG SPACE NUMBER BUILDING AREA (WHEN USED)
	SECTION WHERE CUT SECTION NUMBER DRAWING WHERE SECTION IS INDICATED
	ENLARGED PLAN WHERE CUT ENLARGED PLAN NUMBER DRAWING WHERE ENLARGED PLAN IS INDICATED
	DETAIL TAG DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED
	DETAIL TITLE DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED ADDITIONAL DRAWING REFERENCES
	SECTION TITLE SECTION NUMBER DRAWING WHERE SECTION IS INDICATED DRAWING WHERE SECTION IS CUT ADDITIONAL DRAWING REFERENCES

AVERAGE MAINTAINED ILLUMINATION LEVELS	
TASK	FOOT CANDLES
CLASSROOMS	55
MEDIA CENTER	55
OFFICES	50
BUSINESS	55
STUDIO	60
SCIENCE LAB	70
ELECTRICAL ROOMS	30
MECHANICAL ROOMS	30
COMPUTER LABS	30
GYM	50
LOCKER ROOMS	20
LOBBIES/CORRIDORS	15
TOILETS	20
KITCHEN	70
DINING	40
AUDITORIUM	10-30
STORE ROOMS	20
WHITEBOARDS	30

POWER LEGEND	
SYMBOL	DESCRIPTION
	APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.
	APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6" AFF.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	SINGLE RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
	SINGLE RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
	SPD DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
	POWER/COMMUNICATIONS RECESSED FLOOR BOX. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	POWER/COMMUNICATIONS RECESSED FLOOR BOX. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICES. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	POWER/COMMUNICATIONS POKE-THRU FLOOR BOX. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	POWER/COMMUNICATIONS POKE-THRU FLOOR BOX. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICES. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLOOR BOX. COORDINATE W/ SYSTEM FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLUSH WALL BOX MOUNTED 4" AFF. COORDINATE W/ FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	POWER/COMMUNICATIONS POWER POLE, FURNISHED WITH (NIC) SYSTEM FURNITURE. PROVIDE J-BOX MTD TO STRUCTURE ABOVE CLG. AND FLEXIBLE CONDUIT CONNECTION TO J-BOX MTD TO TOP OF POLE AND CONNECTED TO PIT(S) FURNISHED WITH POLE. POLE LOCATION IS APPROXIMATE. COORDINATE WITH SYSTEM FURNITURE PROVIDER.
	LINE VOLTAGE THERMOSTAT, DIVISION 23 FURNISH, DIVISION 28 INSTALL. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY.
	PUSHBUTTON CONTROLLER.
	PUSHBUTTON.
	CORD REEL OUTLET, CEILING MOUNT.
	[NON] METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNT AT +1'-6" AFF, UNO.
	JUNCTION BOX, CONCEALED ABOVE CEILING, UNO.
	JUNCTION BOX, UNDER FLOOR MOUNT.
	ENCLOSED CIRCUIT BREAKER, CHARACTERISTICS AS INDICATED.
	MUSHROOM SWITCH, HEAVY DUTY WITH LEGEND PLATE. MOUNT W/HANDLE AT +3'-10" AFF, UNO.
	MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH 'ON' INDICATOR PILOT LIGHT. FLUSH MOUNT W/HANDLE AT +3'-10" AFF, UNO.
	DISCONNECT SWITCH, FUSIBLE OR NON-FUSIBLE AS INDICATED. MOUNT W/HANDLE AT +4'-6" AFF, UNO.
	COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH. WITH OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS. MOUNT W/HANDLE AT +4'-6" AFF, UNO.
	EQUIPMENT POWER CONNECTION.
	MOTOR CONNECTION.
	CONNECTION TO DIV 23 MOTORIZED DAMPER, VERIFY LOCATION.
	POWER FOR ELECTRIC DOOR LOCK CONNECTION.
	POWER FOR ELECTRIC DOOR STRIKE CONNECTION.
	EMERGENCY GENERATOR.
	BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB.
	STRAIGHT LINEWORK FOR CIRCUITRY INDICATES ON EMERGENCY POWER CIRCUIT. INDICATED FOR CLARITY ONLY. ACTUAL HOMERUN DESIGNATION OVERRIDES THIS SYMBOLGY.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.
	PANELBOARD.
	TRANSFORMER, PROVIDE CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE.
	RELAY, NO OR NC AS INDICATED.
	RELAY, NORMALLY OPEN.
	RELAY, NORMALLY CLOSED.
	FEEDER TAG. REFER TO FEEDER SCHEDULE ON DWG E5.1.

SECURITY LEGEND	
SYMBOL	DESCRIPTION
	DIRECTIONAL SECURITY MOTION DETECTOR, WALL MOUNT 6" BFC.
	OMNI-DIRECTIONAL SECURITY MOTION DETECTOR.
	FUTURE CCTV MOUNTING LOCATION, CEILING MOUNT. PROVIDE 20' OF COAXIAL CABLE COILED ABOVE CEILING FOR FUTURE INSTALLATION OF SECURITY CAMERA. RUN CABLE TO ROOM XXXX AND COIL 20' OF CABLE INSIDE ROOM.
	FUTURE CCTV MOUNTING LOCATION, WALL MOUNT. PROVIDE 20' OF COAXIAL CABLE COILED ABOVE CEILING FOR FUTURE INSTALLATION OF SECURITY CAMERA. RUN CABLE TO ROOM XXXX AND COIL 20' OF CABLE INSIDE ROOM.
	DOOR POSITION SWITCH.
	STATUS CONTACT.
	CARD READER, MOUNT AT 3'-10" AFF.
	CARD READER WITH KEYPAD, MOUNT AT 3'-10" AFF.
	REMOTE KEYPAD FOR SECURITY SYSTEM, MOUNT AT 3'-10" AFF.
	ELECTRIC DOOR STRIKE.
	ELECTRIC DOOR LOCK.
	PNEUMATIC DOOR LOCK.
	TALK THROUGH COMMUNICATOR.
	DURESS ALARM PUSHBUTTON, MOUNT IN CASEWORK AS INDICATED.

SECURITY LEGEND	
SYMBOL	DESCRIPTION
	DIRECTIONAL SECURITY MOTION DETECTOR, WALL MOUNT 6" BFC.
	OMNI-DIRECTIONAL SECURITY MOTION DETECTOR.
	FUTURE CCTV MOUNTING LOCATION, CEILING MOUNT. PROVIDE 20' OF COAXIAL CABLE COILED ABOVE CEILING FOR FUTURE INSTALLATION OF SECURITY CAMERA. RUN CABLE TO ROOM XXXX AND COIL 20' OF CABLE INSIDE ROOM.
	FUTURE CCTV MOUNTING LOCATION, WALL MOUNT. PROVIDE 20' OF COAXIAL CABLE COILED ABOVE CEILING FOR FUTURE INSTALLATION OF SECURITY CAMERA. RUN CABLE TO ROOM XXXX AND COIL 20' OF CABLE INSIDE ROOM.
	DOOR POSITION SWITCH.
	STATUS CONTACT.
	CARD READER, MOUNT AT 3'-10" AFF.
	CARD READER WITH KEYPAD, MOUNT AT 3'-10" AFF.
	REMOTE KEYPAD FOR SECURITY SYSTEM, MOUNT AT 3'-10" AFF.
	ELECTRIC DOOR STRIKE.
	ELECTRIC DOOR LOCK.
	PNEUMATIC DOOR LOCK.
	TALK THROUGH COMMUNICATOR.
	DURESS ALARM PUSHBUTTON, MOUNT IN CASEWORK AS INDICATED.

COMMUNICATIONS LEGEND	
SYMBOL	DESCRIPTION
	TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +3'-10" AFF.
	TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +1'-6" AFF.
	RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING.
	INTERCOM STATION WITH PUSHBUTTON, MOUNT AT +4'-6" AFF.
	PUSHBUTTON SWITCH, MOUNT AT +4'-6" AFF. SUBSCRIPT "E" INDICATES EMERGENCY FUNCTIONS.
	CATV OUTLET, MOUNT AT +1'-6" [7'-6" AFF.
	WALL CLOCK, MOUNT AT +7'-6" AFF. SUBSCRIPT "D" INDICATES DOUBLE FACE CLOCK.
	WALL CLOCK, CEILING MOUNT. SUBSCRIPT "D" INDICATES DOUBLE FACE CLOCK. ARROWS INDICATE FACE DIRECTION.
	MICROPHONE OUTLET, WALL MOUNT AT +1'-6" AFF, FLUSH FLOOR MOUNT. SUBSCRIPT NUMBER INDICATES NUMBER OF JACKS TO PROVIDE IN OUTLET.
	SOUND SYSTEM SPEAKER, RECESS WALL MOUNT AT +7'-6" AFF. "WG" WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
	SOUND SYSTEM SPEAKER, RECESS CEILING MOUNT. "WG" WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
	POWER/COMMUNICATIONS RECESSED FLOOR BOX. SUBSCRIPT LETTER INDICATES OUTLET TYPE. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL." FOR BOX AND CONDUIT REQUIREMENTS.
	POWER/COMMUNICATIONS RECESSED FLOOR BOX ON EMERGENCY POWER. SUBSCRIPT LETTER INDICATES OUTLET TYPE. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL." FOR BOX AND CONDUIT REQUIREMENTS.
	POWER/COMMUNICATIONS POKE-THRU FLOOR BOX. SUBSCRIPT LETTER INDICATES OUTLET TYPE. (2) 3/4" CONDUITS, (1) EACH AT OPPOSITE SIDES, TO STUB-UP AT NEAREST COMMUNICATION CROSS-CONNECT. UNO. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL."
	POWER/COMMUNICATIONS POKE-THRU FLOOR BOX ON EMERGENCY POWER. SUBSCRIPT LETTER INDICATES OUTLET TYPE. (2) 3/4" CONDUITS, (1) EACH AT OPPOSITE SIDES, TO STUB-UP AT NEAREST COMMUNICATION CROSS-CONNECT. UNO. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL."
	SYSTEM FURNITURE COMMUNICATIONS CONNECTIONS VIA FLOOR BOX. PROVIDE 1.25" CONDUIT BELOW SLAB TO STUB-UP AT NEAREST COMMUNICATION BACK BOARD. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	SYSTEM FURNITURE COMMUNICATIONS CONNECTION VIA FLUSH WALL BOX MOUNTED 4" AFF. PROVIDE 1.25" CONDUIT WITH BUSHING FROM BOX TO ABOVE CEILING. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	SYSTEM FURNITURE COMMUNICATIONS CONNECTION VIA POWER POLE FURNISHED WITH SYSTEM FURNITURE. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	WIRELESS ACCESS POINT
	TELECOMMUNICATIONS EQUIPMENT RACK.
	2' EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING.
	TELECOMMUNICATIONS GROUND BUS BAR, MOUNT AT +1'-6" AFF.
	TELECOMMUNICATIONS MAIN GROUND BUS BAR, MOUNT AT +1'-6" AFF.
	CABLE TRAY, MOUNT AT +6" ABOVE FINISHED CEILING.

LIGHTING LEGEND	
SYMBOL	DESCRIPTION
	5 LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS, MOUNT AT +3'-10" AFF. SUBSCRIPT/SUPERSCRIPIT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS.
	3 INDICATES 3-WAY LIGHT SWITCH
	4 INDICATES 4-WAY LIGHT SWITCH
	D INDICATES DIMMER SWITCH
	P INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON
	K INDICATES KEY OPERATED LIGHT SWITCH
	OS INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR
	OD INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR
	OS INDICATES DUAL RELAY INTEGRAL OCCUPANCY SENSOR, WIRED FOR MULTI-LEVEL SWITCHING
	LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION
	INDICATES SWITCHES WIRED FOR INBOARD/OUTBOARD SWITCHING.
	OMNI-DIRECTIONAL LIGHTING CONTROL, OCCUPANCY DETECTOR, CEILING MOUNT.
	DIRECTIONAL LIGHTING CONTROL, OCCUPANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING.
	PHOTOELECTRIC CELL FOR LIGHTING CONTROL, WALL MOUNT AT +10'-0" AFF. AIM NORTH.
	LIGHT FIXTURE, CEILING MOUNT.
	LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT.
	LIGHTING FIXTURE.
	LIGHTING FIXTURE ON EMERGENCY POWER.
	WALL WASHER LIGHTING FIXTURE.
	LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED.
	EMERGENCY EGRESS LIGHTING FIXTURE, WITH BATTERY PACK, WALL MOUNT AT +8'-0" AFF.
	EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
	EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
	TRACK LIGHTS.
	LIGHT FIXTURE, POLE MOUNT.
	SPORTS LIGHTING POLE.

DEMOLITION LEGEND	
SYMBOL	DESCRIPTION
	REMOVE DEVICES, EQUIPMENT, IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES.
	DEVICES ARE EXISTING TO REMAIN.
	WITHIN HATCHED AREAS, DISCONNECT AND REMOVE ALL ELECTRICAL MATERIALS INCLUDING BUT NOT LIMITED TO LIGHTS, DEVICES, EQUIPMENT, SPEAKERS, FIRE ALARM, COMMUNICATIONS, AND CIRCUITRY.

GENERAL DEMOLITION NOTES	
A.	PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE WORK.
B.	REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION, ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.
C.	MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.
D.	BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.
E.	EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
F.	DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.
G.	WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.
H.	DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

GENERAL NOTES	
A.	THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
B.	FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.
C.	FIELD VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.
D.	EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION.
E.	LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED.
F.	PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT.
G.	PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND WRITTEN SCHEDULES ARE NOT ACCEPTABLE.
H.	ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC. COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.
I.	ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE, UNO. THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY, AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.
J.	WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.
K.	ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT.
L.	WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR CODED NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC.
M.	PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS, REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA.

ABBREVIATIONS	
1P	SINGLE PHASE
3P	THREE PHASE
3R	WEATHERPROOF (NEMA 3R)
AF	AMPS
AF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION (CABLE)
CB	CIRCUIT BREAKER
CB	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CO	COMPANY
COMB	COMBINATION
COMM	COMMUNICATIONS
CU	COPPER
DIA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DWG	DRAWING
EBH	ELECTRIC BASEBOARD HEATER
EC	EMPTY CONDUIT
ECS	EMERGENCY COMMUNICATIONS STATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EPO	EMERGENCY POWER OFF
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAGP	FIRE ALARM GRAPHIC PANEL
FAXP	FIRE ALARM EXTENDER PANEL
FFSP	FIRE FIGHTER'S SMOKE CONTROL PANEL
FLA	FULL LOAD AMPS
FPMR	FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS
FPND	FUSE PER NAMEPLATE DATA
G	GROUND
GE	GROUND FAULT PROTECTION FOR EQUIPMENT, 6-50mA PER NEC 477.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER)
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GFP	GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED BREAKER)
HKP	HOUSEKEEPING PAD
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM



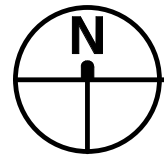
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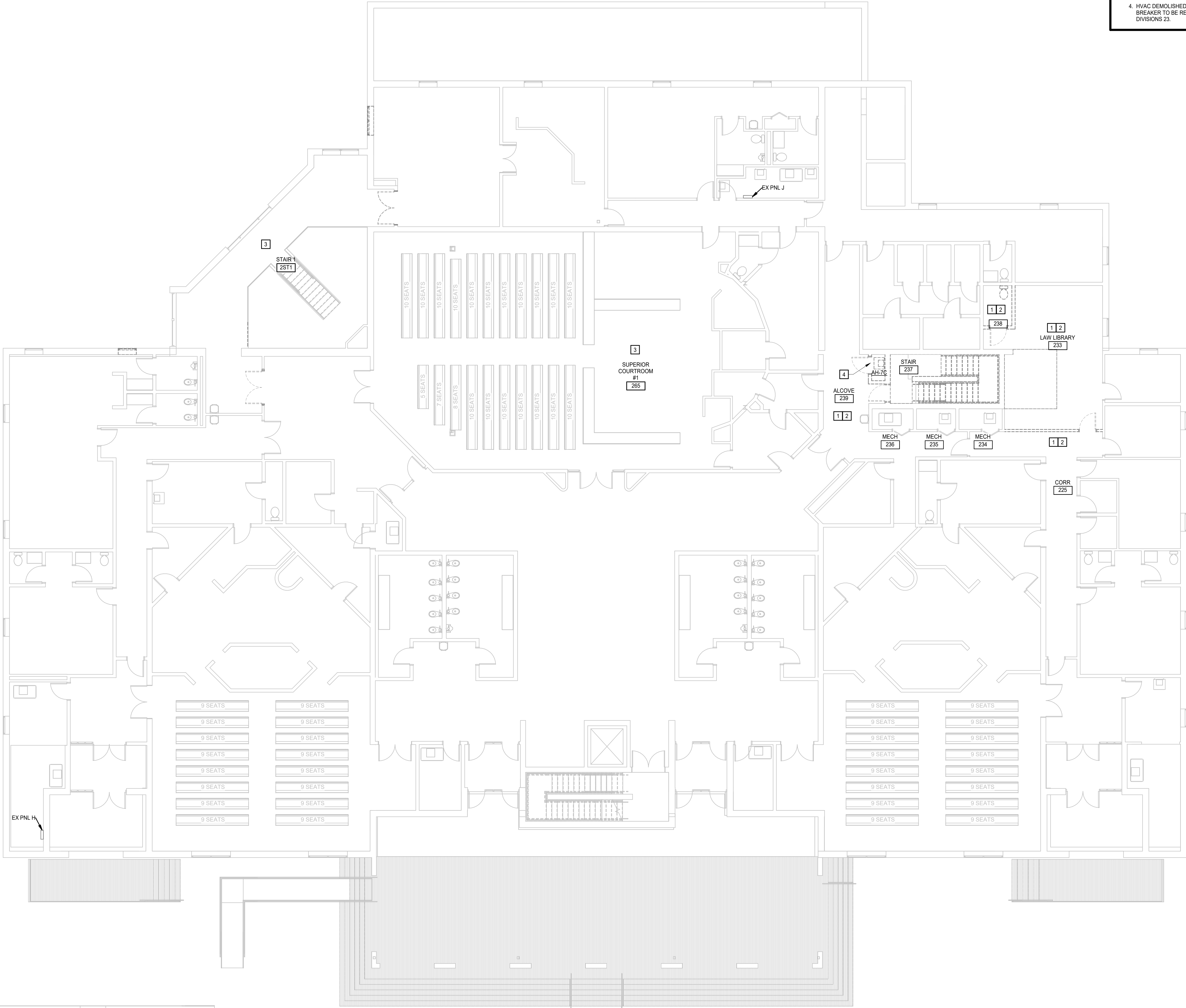
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ELECTRICAL DEMOLITION PLAN - LEVEL 2

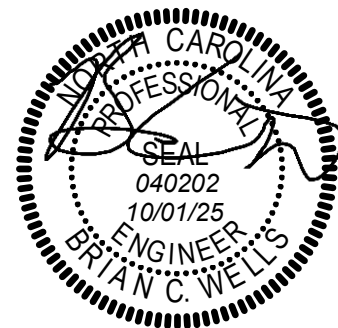
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KEYNOTES

APPLIES TO THIS SHEET
REPRESENTED BY [#]

1. DEMOLISH EXISTING ELECTRICAL DEVICES, CABLING, AND RACEWAYS. CIRCUITS TO BE RE-USED DURING RENOVATION PHASE. COORDINATE WITH DIVISIONS 22 AND 23 DURING DEMOLITION PHASE.
2. DEMOLISH EXISTING LIGHTING FIXTURES, ASSOCIATED SWITCHES, CABLING, AND RACEWAYS. CIRCUITS SHALL BE RE-USED DURING RENOVATION PHASE. FED FROM PANEL "J".
3. REMOVE AND STORE EXISTING LIGHT FIXTURES FOR RENOVATION PHASE. CEILING IS BEING ALTERED.
4. HVAC DEMOLISHED BY DIV 23. DEMOLISH EXISTING CABLING, AND RACEWAYS. BREAKER TO BE RE-USED DURING RENOVATION PHASE. COORDINATE WITH DIVISIONS 23.



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ELECTRICAL DEMO
PLAN - LEVEL 2

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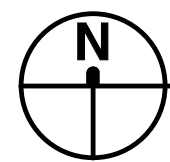
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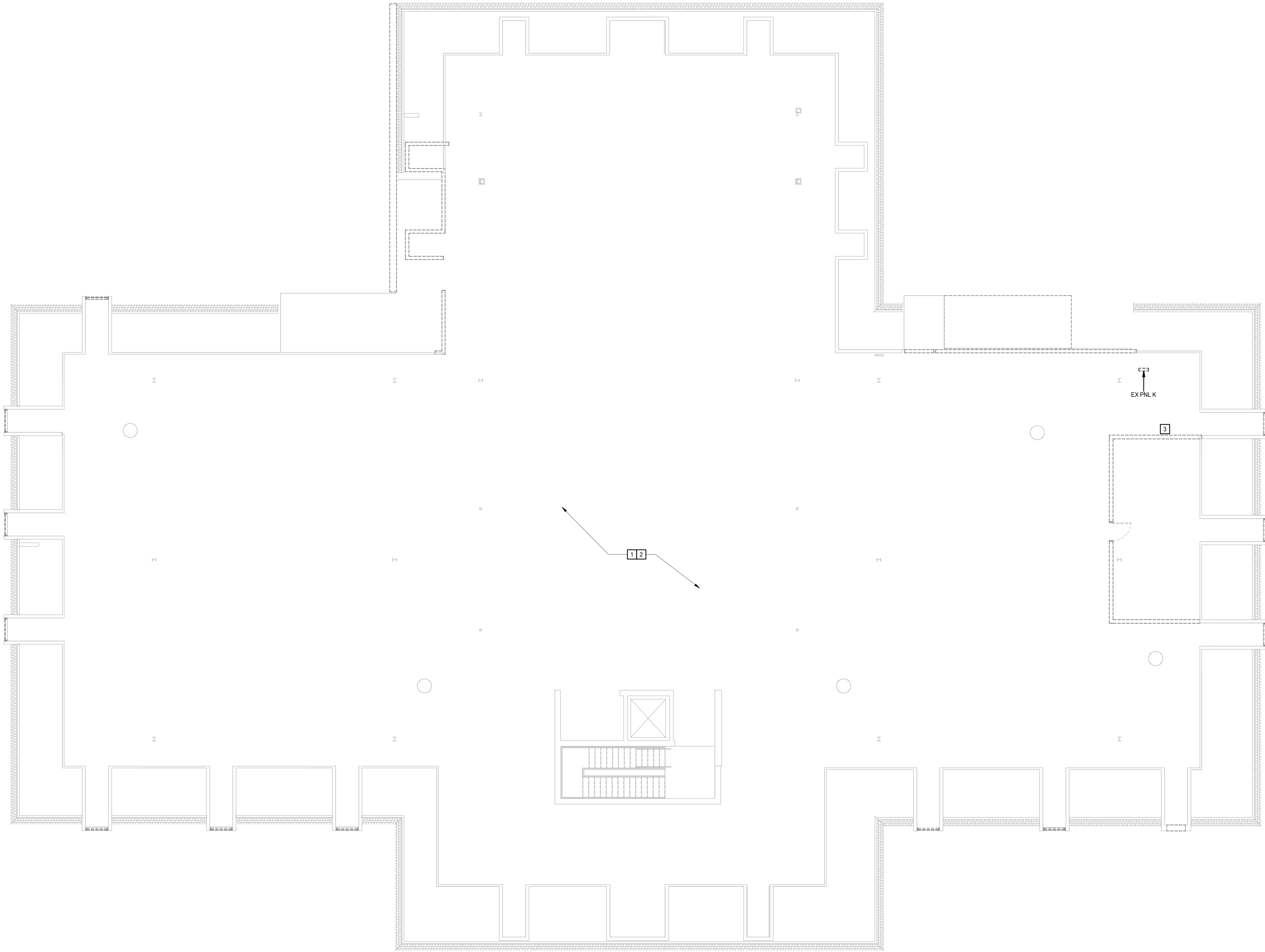
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ELECTRICAL DEMO PLAN - LEVEL 3

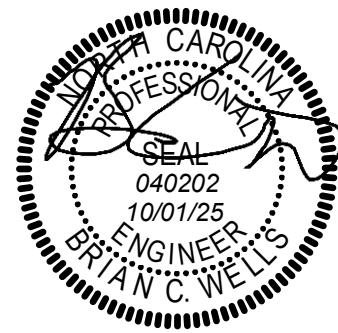
1/8" = 1'-0"



KEYNOTES

APPLIES TO THIS SHEET
REPRESENTED BY [E]

1. DEMOLISH EXISTING ELECTRICAL DEVICES, CABLING, AND RACEWAYS. CIRCUITS TO BE RE-USED DURING RENO PHASE. COORDINATE WITH DIVISIONS 22 AND 23 DURING DEMO PHASE.
2. DEMOLISH EXISTING LIGHTING FIXTURES, ASSOCIATED SWITCHES, CABLING, AND RACEWAYS. CIRCUITS SHALL BE RE-USED DURING RENO PHASE.
3. DEMOLISH EXISTING PANEL. SEE RENO PHASE AND RISER.



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ELECTRICAL DEMO
PLAN - LEVEL 3

E1.1.3

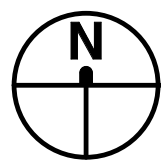
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LIGHTING PLAN - LEVEL 1
1/8" = 1'-0"

INTERIOR LIGHT FIXTURE SCHEDULE									
TYPE	DESCRIPTION	FIXTURE			LAMP		MOUNTING	REFERENCE NOTE	COMMENTS
		MANUFACTURER	SERIES NO.	WATTAGE	LUMENS	COLOR TEMP.			
EM	EGRESS WALL PACK	ACUTY	ELM6L	5		LED	WALL		
EX	EXIT SIGN	ACUTY	LQM	5		LED	<varies>	1	
L1	2X4 LED TROFFER	LITHONIA	STACK SWITCH	38	5500 lm	LED	RECESSED		
L2	2X2 LED TROFFER	LITHONIA	STACK SWITCH	33	4500 lm	LED	RECESSED		
L3	1X4 LED STRIP W/BUILT IN SENSOR	LITHONIA	CSS VTX15FANL	30	4000 lm	LED	SURFACE		
L4	7" LED INTERIOR CAN	JUNO	JSF 7	20	1100 lm	LED	SURFACE		
L5	1X4 LED VAPOR TIGHT STRIP	LITHONIA	CSV7	30	3000 lm	LED	SURFACE		

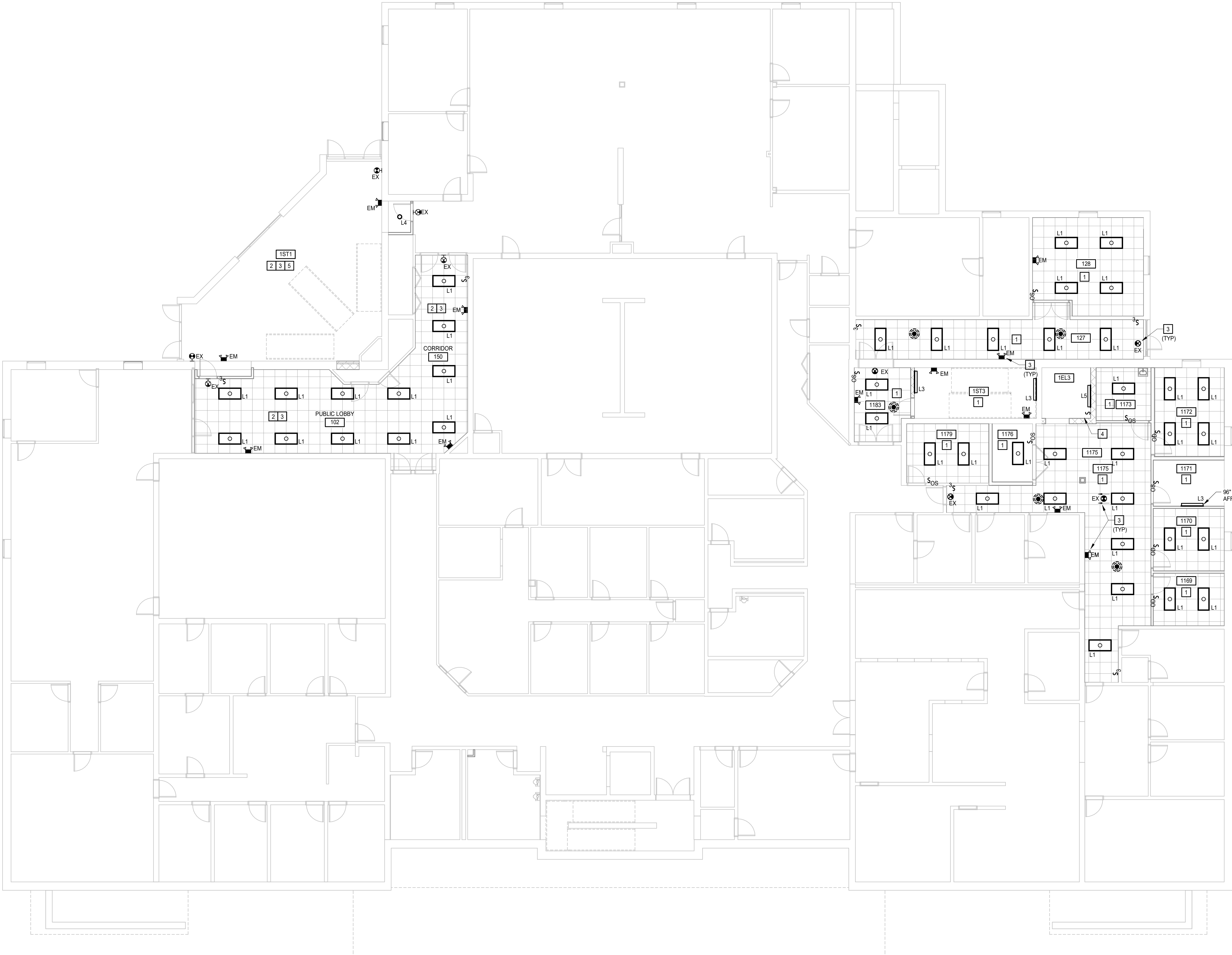
GENERAL NOTES:
A. ALL FIXTURES SHALL BE CAPABLE OF 120V AND 277V INPUT (MVOLT), UNO.
B. REFER TO LIGHTING PLANS AND SPECIFICATIONS FOR ADDITIONAL FIXTURE INFORMATION.
C. ALL LENS SHALL BE A MINIMUM 0.125" THICKNESS, UNO.

REFERENCE NOTES:
1. NUMBER OF FACES AND DIRECTIONAL CHEVRONS AS INDICATED ON DWGS.

KEYNOTES

APPLIES TO THIS SHEET
REPRESENTED BY [X]

1. EXTEND EXISTING LIGHTING CIRCUITS MADE AVAILABLE DURING DEMOLITION PHASE TO LIGHT FIXTURES FROM PANEL "G". 3 - #12S IN 3/4"C.
2. EXTEND EXISTING ADJACENT LIGHTING CIRCUITS FROM PANEL "F". 3 - #12S IN 3/4"C.
3. POWER "EX" AND "EM" FIXTURES FROM CIRCUITS PROVIDING POWER TO FIXTURES IN SAME SPACE. 3-#12S IN 3/4"C
4. PROVIDE 20A BREAKER FOR ELEVATOR SERVICE FIXTURE IN PANEL G/S. 3-#12S IN 3/4"C
5. INSTALL EXISTING FIXTURES REMOVED DURING DEMOLITION PHASE INTO CEILING IN SAME LOCATION. EXTEND EXISTING CIRCUITS/SWITCHED PREVIOUSLY POWERING AND CONTROLLING EXISTING FIXTURES.



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LIGHTING PLAN - LEVEL

1

E2.1.1

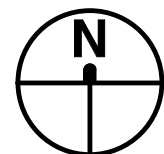
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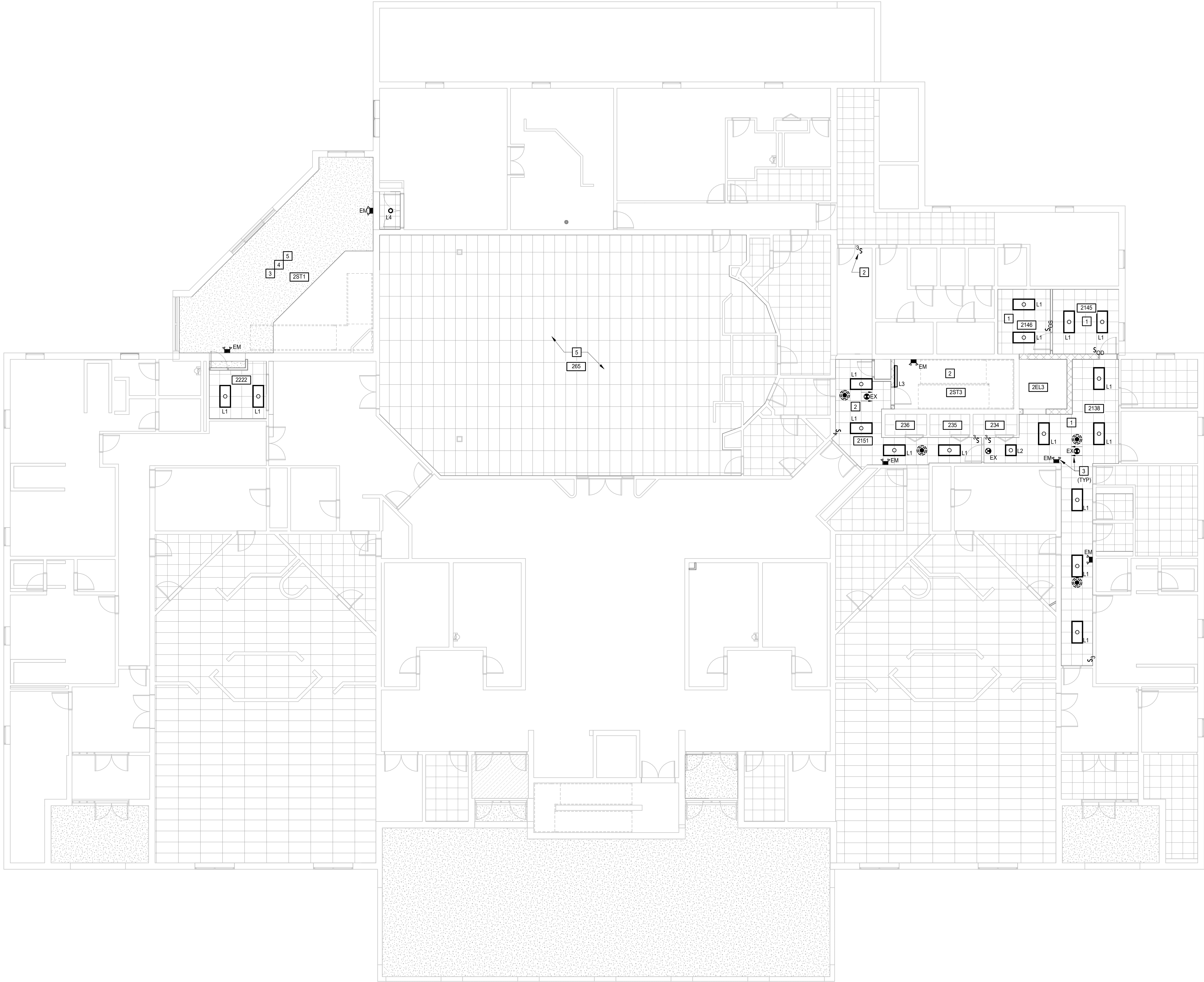
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LIGHTING PLAN - LEVEL 2

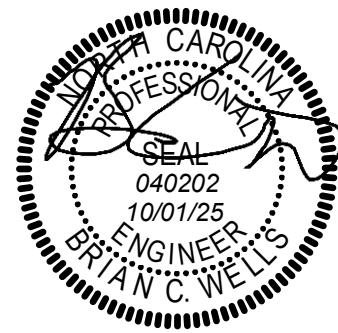
1/8" = 1'-0"



KEYNOTES

APPLIES TO THIS SHEET
REPRESENTED BY [Symbol]

1. EXTEND EXISTING LIGHTING CIRCUITS MADE AVAILABLE DURING DEMOLITION PHASE TO LIGHT FIXTURES FROM PANEL "J". 3 - #12'S IN 3/4"C.
2. EXTEND EXISTING LIGHTING CIRCUIT AND SWITCH IN CORRIDOR.
3. POWER "EX" AND "EM" FIXTURES FROM CIRCUITS PROVIDING POWER TO FIXTURES IN SAME SPACE. 3-#12'S IN 3/4"C.
4. EXISTING LIGHTING CIRCUITS FROM PANEL "H". EXTEND EXISTING CIRCUITS TO FIXTURES. 3-#12'S IN 3/4"C.
5. INSTALL EXISTING FIXTURES REMOVED DURING DEMOLITION PHASE INTO CEILING IN SAME LOCATION. EXTEND EXISTING CIRCUITS/SWITCHES PREVIOUSLY POWERING AND CONTROLLING EXISTING FIXTURES



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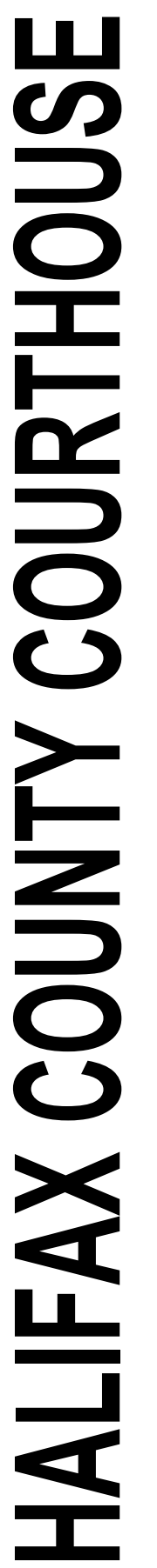
LIGHTING PLAN - LEVEL

2

E2.1.2

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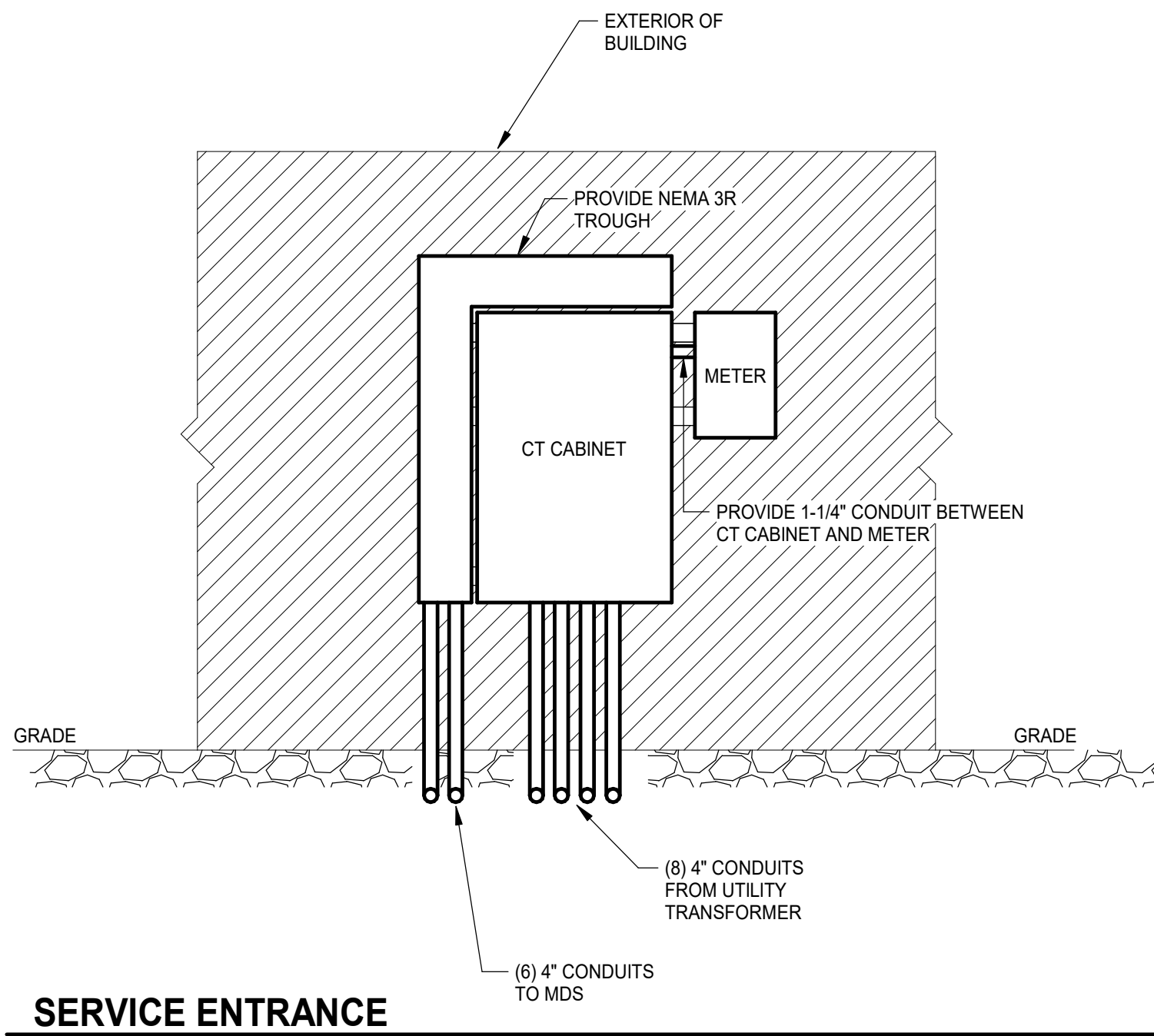
LIGHTING PLAN - LEVEL

3

1. POWER "EX" AND "EM" FIXTURES FROM CIRCUITS PROVIDING POWER TO FIXTURES IN SAME SPACE. 3-#12'S IN 3/4" C
2. STAIRWELL FIXTURES ARE UNSWITCHED.



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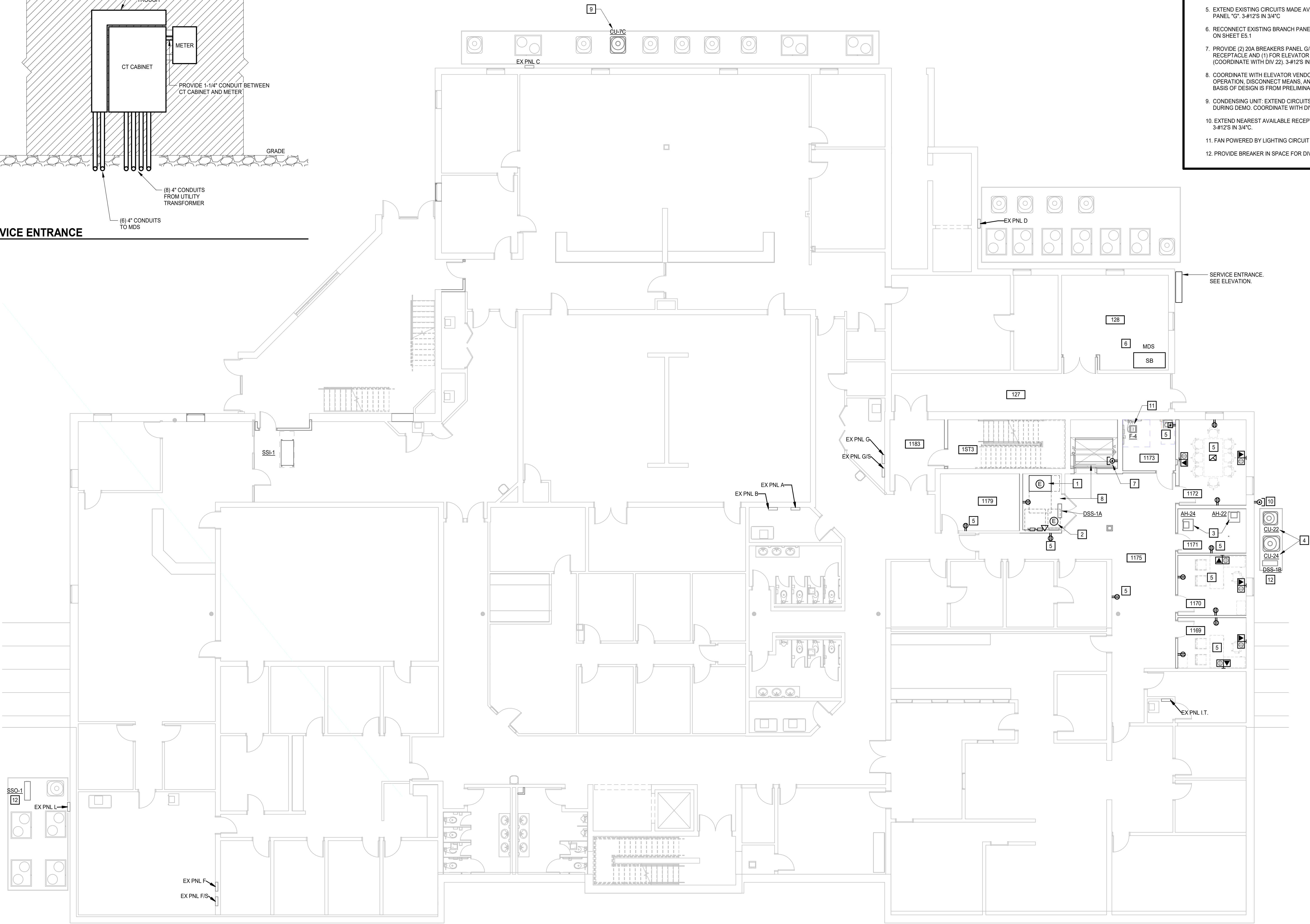


DIV 23 ELECTRICAL CONNECTION SCHEDULE E2.2.1							
TAG	VOLTAGE	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS	
AH-22	208 V	EX PNL A	1.3.5	3-#6'S, 1-#10G IN 1\" C	NEMA 1 DISC 60A, 50A FUSE		
AH-24	208 V	EX PNL A	2.4.6	3-#6'S, 1-#10G IN 1\" C	NEMA 1 DISC 60A, 45A FUSE		
CU-7C	208 V	EX PNL C	1.3.5	3-#10'S, 1-#10G IN 3/4\" C	NEMA 3R DISC 30A		
CU-22	208 V	EX PNL D	25.27.29	3-#10'S, 1-#10G IN 3/4\" C	NEMA 3R DISC 30A, 25A FUSE		
CU-24	208 V	EX PNL D	2.4.6	3-#10'S, 1-#10G IN 3/4\" C	NEMA 3R DISC 30A		
DSS-1B	208 V	EX PNL B	38.40	3-#10'S, 1-#10G IN 3/4\" C	NEMA 3R DISC 30A, 25A FUSE	OUTDOOR UNIT POWERS INDOOR UNIT	
SSO-1	208 V	EX PNL L	14.16	3-#6'S, 1-#10G IN 1\" C	NEMA 3R DISC 60A, 50A FUSE	OUTDOOR UNIT POWERS INDOOR UNIT	

KEYNOTES

APPLIES TO THIS SHEET
REPRESENTED BY [#]

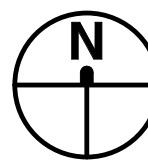
- ELEVATOR POWER FROM MDS. SEE ELECTRICAL RISER ON SHEET E5.1
- ELEVATOR POWER/COMMUNICATION BOX; PROVIDE 20A GFCI BREAKER IN PANEL G/S. 3-#12'S IN 3/4\" C. VERIFY CIRCUITS IN FIELD
- AIR HANDLERS; EXTEND CIRCUITS AVAILABLE DURING DEMO. COORDINATE WITH DIV 23. VERIFY CIRCUITS IN FIELD
- CONDENSING UNITS; EXTEND CIRCUITS MADE AVAILABLE DURING DEMO. COORDINATE WITH DIV 23. VERIFY CIRCUITS IN FIELD
- EXTEND EXISTING CIRCUITS MADE AVAILABLE DURING DEMO FROM PANEL "G". 3-#12'S IN 3/4\" C
- RECONNECT EXISTING BRANCH PANELS TO MDS. SEE ELECTRICAL RISER ON SHEET E5.1
- PROVIDE (2) 20A BREAKERS PANEL G/S. (1) FOR ELEVATOR SERVICE RECEPTACLE AND (1) FOR ELEVATOR SUMP PUMP (COORDINATE WITH DIV 22). 3-#12'S IN 3/4\" C.
- COORDINATE WITH ELEVATOR VENDOR FOR FINAL REQUIREMENTS OF OPERATION, DISCONNECT MEANS, AND LOCATION OF CONNECTIONS. BASIS OF DESIGN IS FROM PRELIMINARY DRAWINGS FROM TK ELEV.
- CONDENSING UNIT; EXTEND CIRCUITS FROM PANEL "C" MADE AVAILABLE DURING DEMO. COORDINATE WITH DIV 23. VERIFY CIRCUITS IN FIELD. 3-#12'S IN 3/4\" C.
- EXTEND NEAREST AVAILABLE RECEPTACLE CIRCUIT FROM ROOM 1171. 3-#12'S IN 3/4\" C.
- FAN POWERED BY LIGHTING CIRCUIT
- PROVIDE BREAKER IN SPACE FOR DIV 23 EQUIPMENT.



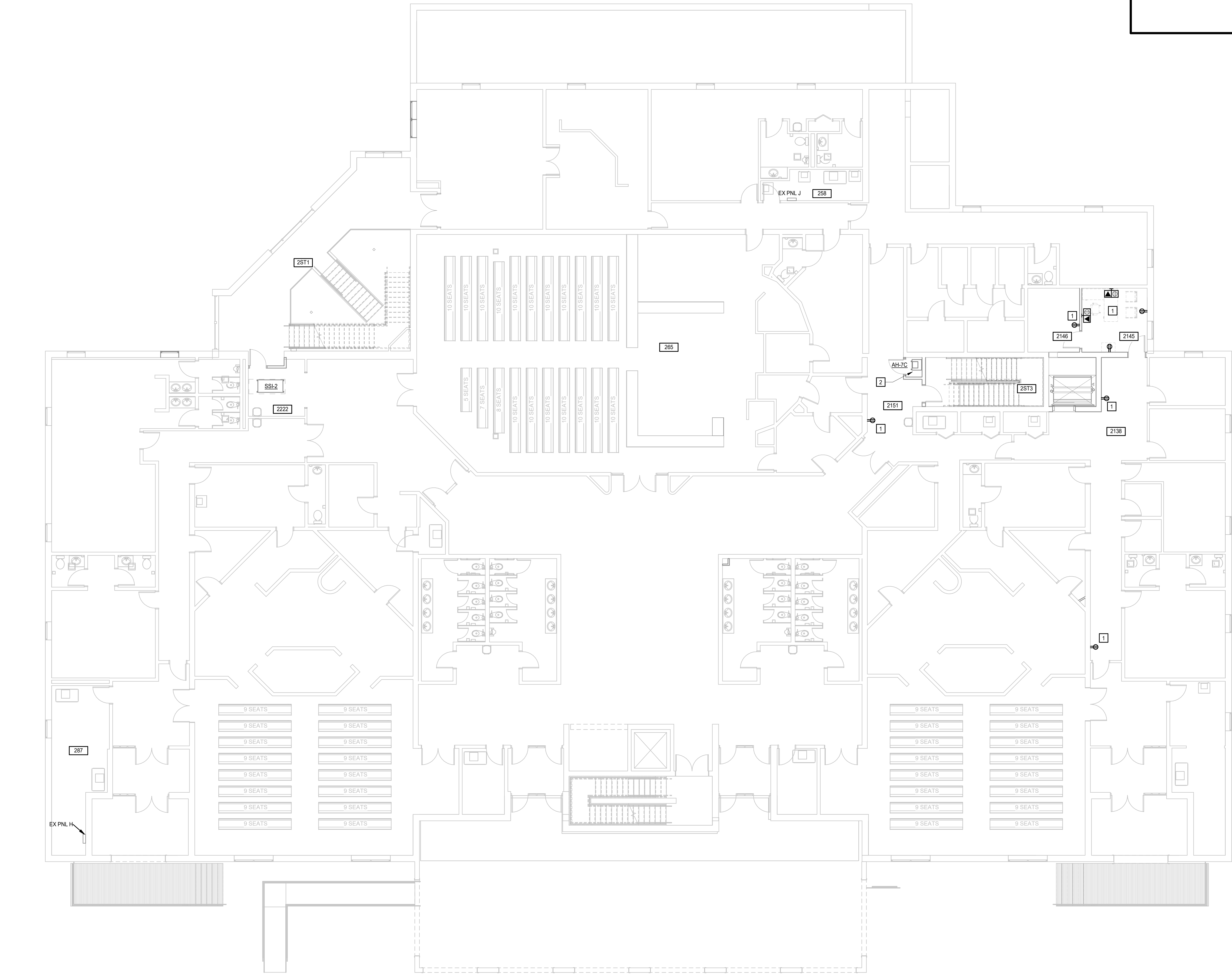
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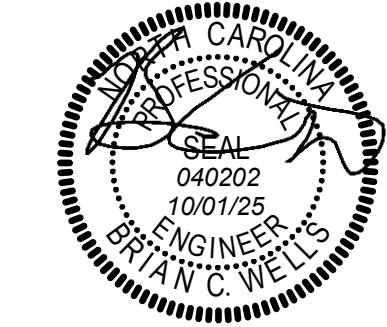
POWER PLAN - LEVEL 2
1/8" = 1'-0"



DIV 23 ELECTRICAL CONNECTION SCHEDULE E2.2.2						
TAG	VOLTAGE	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AH-7C	208 V	EX PNL J	1.3.5	3-#10S, 1-#10G IN 3/4" C		

KEYNOTES
APPLIES TO THIS SHEET
REPRESENTED BY #

1. EXTEND EXISTING CIRCUITS MADE AVAILABLE DURING DEMO FROM PANEL "J". 3-#12S IN 3/4" C
2. AIR HANDLERS: EXTEND CIRCUITS FROM EXISTING PANEL MADE AVAILABLE DURING DEMO. COORDINATE WITH DIV DIV 23. VERIFY CIRCUITS IN FIELD



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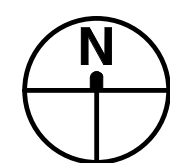
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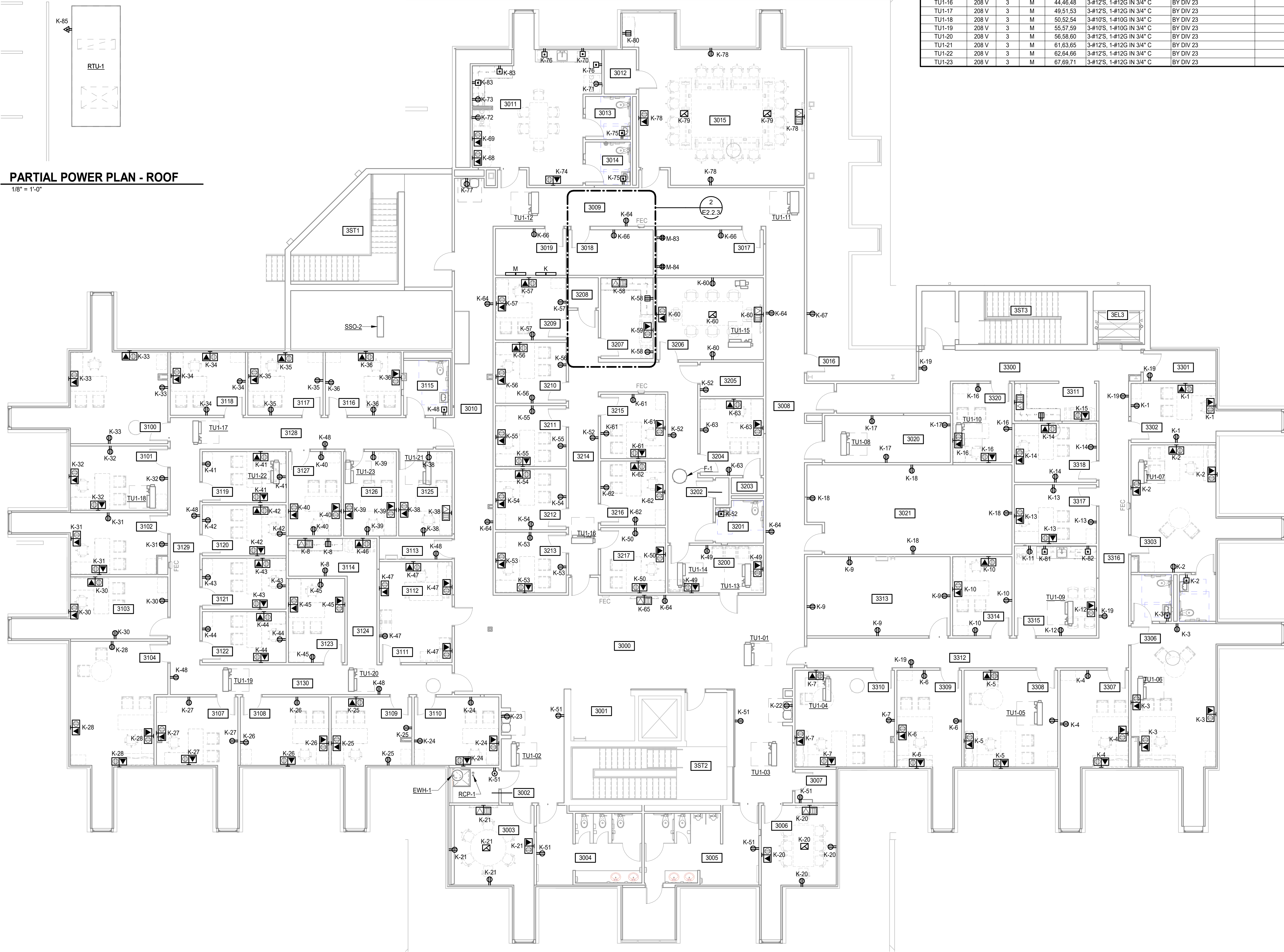
POWER PLAN - LEVEL 2

E2.2.2

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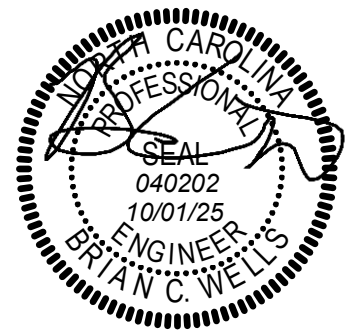


POWER PLAN - LEVEL 3
1/8" = 1'-0"



PARTIAL POWER PLAN - ROOF
1/8" = 1'-0"

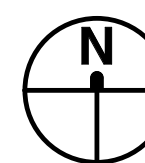
DIV 23 ELECTRICAL CONNECTION SCHEDULE E2.2.3									
TAG	VOLTAGE	#	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS		
EWHL-1	208 V	3	K	103,105,107	3-#10S, 1-#12G IN 3/4" C	NEMA 1 DISC 30A			
F-1	120 V	1	K	64	2-#12S, 1-#12G IN 3/4" C	MOTOR RATED SWITCH			
RCP-1	120 V	1	K	108	2-#12S, 1-#12G IN 3/4" C	MOTOR RATED SWITCH			
SSO-2	208 V	2	M	68,70	3-#6S, 1-#10G IN 1" C	NEMA 1 DISC 60A, 50A FUSE	PROVIDE GFI WEATHERPROOF SERVICE RECEPTACLE WITHIN 25 FEET ON ROOF, CIRCUIT K-83		
TU1-01	208 V	3	M	1,3,5	3-#8S, 1-#10G IN 3/4" C	BY DIV 23	OUTDOOR UNIT POWERS INDOOR UNIT		
TU1-02	208 V	3	M	2,4,6	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-03	208 V	3	M	7,9,11	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-04	208 V	3	M	8,10,12	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-05	208 V	3	M	13,15,17	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-06	208 V	3	M	14,16,18	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-07	208 V	3	M	19,21,23	3-#10S, 1-#10G IN 3/4" C	BY DIV 23			
TU1-08	208 V	3	M	20,22,24	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-09	208 V	2	M	25,27	2-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-10	208 V	3	M	26,28,30	3-#10S, 1-#10G IN 3/4" C	BY DIV 23			
TU1-11	208 V	3	M	31,33,35	3-#8S, 1-#10G IN 3/4" C	BY DIV 23			
TU1-12	208 V	3	M	32,34,36	3-#8S, 1-#10G IN 3/4" C	BY DIV 23			
TU1-13	208 V	3	M	37,39,41	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-14	208 V	3	M	38,40,42	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-15	208 V	3	M	43,45,47	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-16	208 V	3	M	44,46,48	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-17	208 V	3	M	49,51,53	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-18	208 V	3	M	50,52,54	3-#10S, 1-#10G IN 3/4" C	BY DIV 23			
TU1-19	208 V	3	M	55,57,59	3-#10S, 1-#10G IN 3/4" C	BY DIV 23			
TU1-20	208 V	3	M	56,58,60	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-21	208 V	3	M	61,63,65	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-22	208 V	3	M	62,64,66	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			
TU1-23	208 V	3	M	67,69,71	3-#12S, 1-#12G IN 3/4" C	BY DIV 23			



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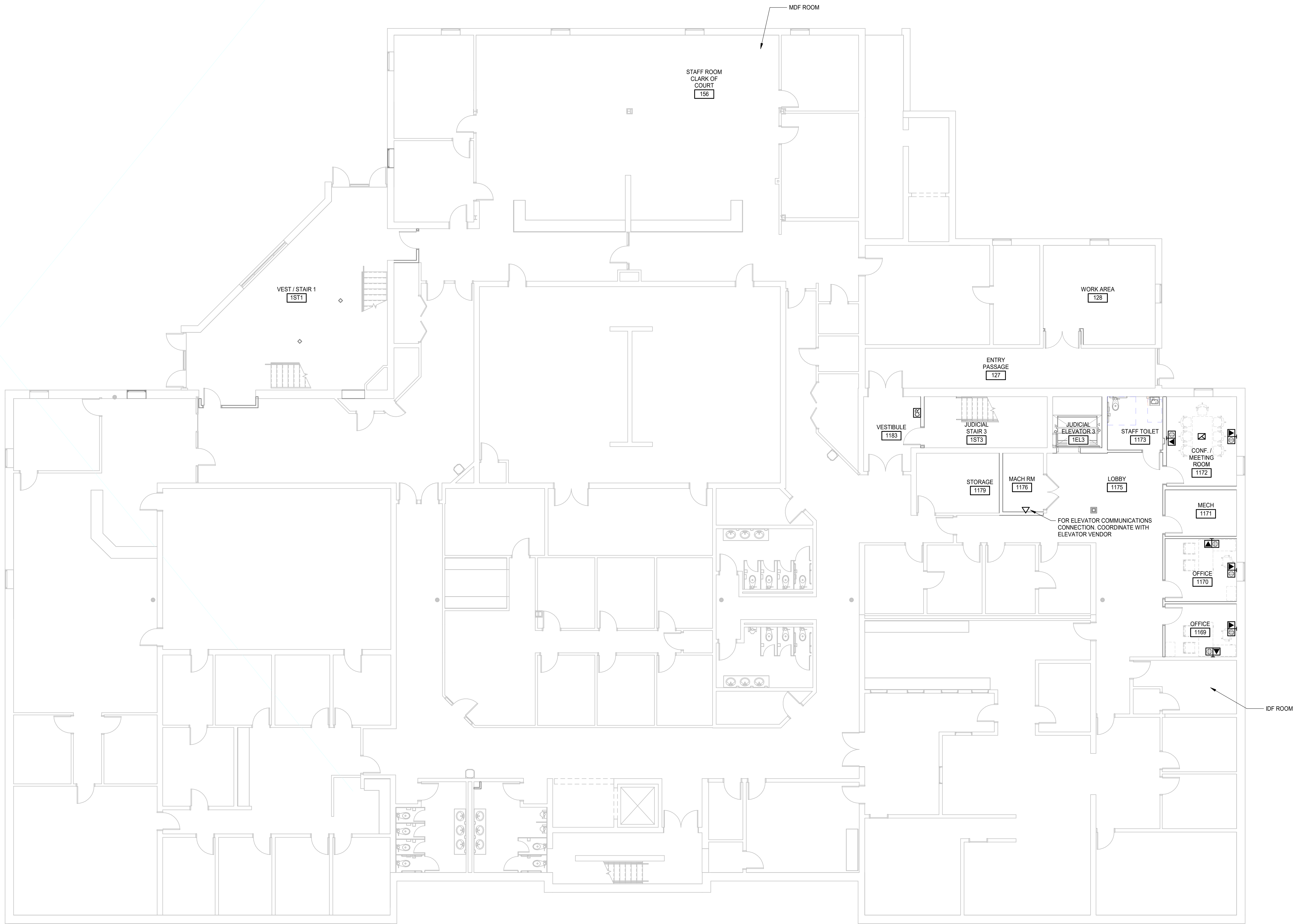
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COMMUNICATIONS PLAN - LEVEL 1

1/8" = 1'-0"



GENERAL NOTES

1. TERMINATE CAT6A CABLING FROM DATA DEVICES TO NEAREST IDF
2. PROVIDE 2 DATA PORTS AT EACH DATA DROP, EXCEPT FOR ACCESS POINTS



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COMMUNICATIONS
PLAN - LEVEL 1

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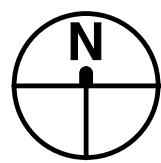
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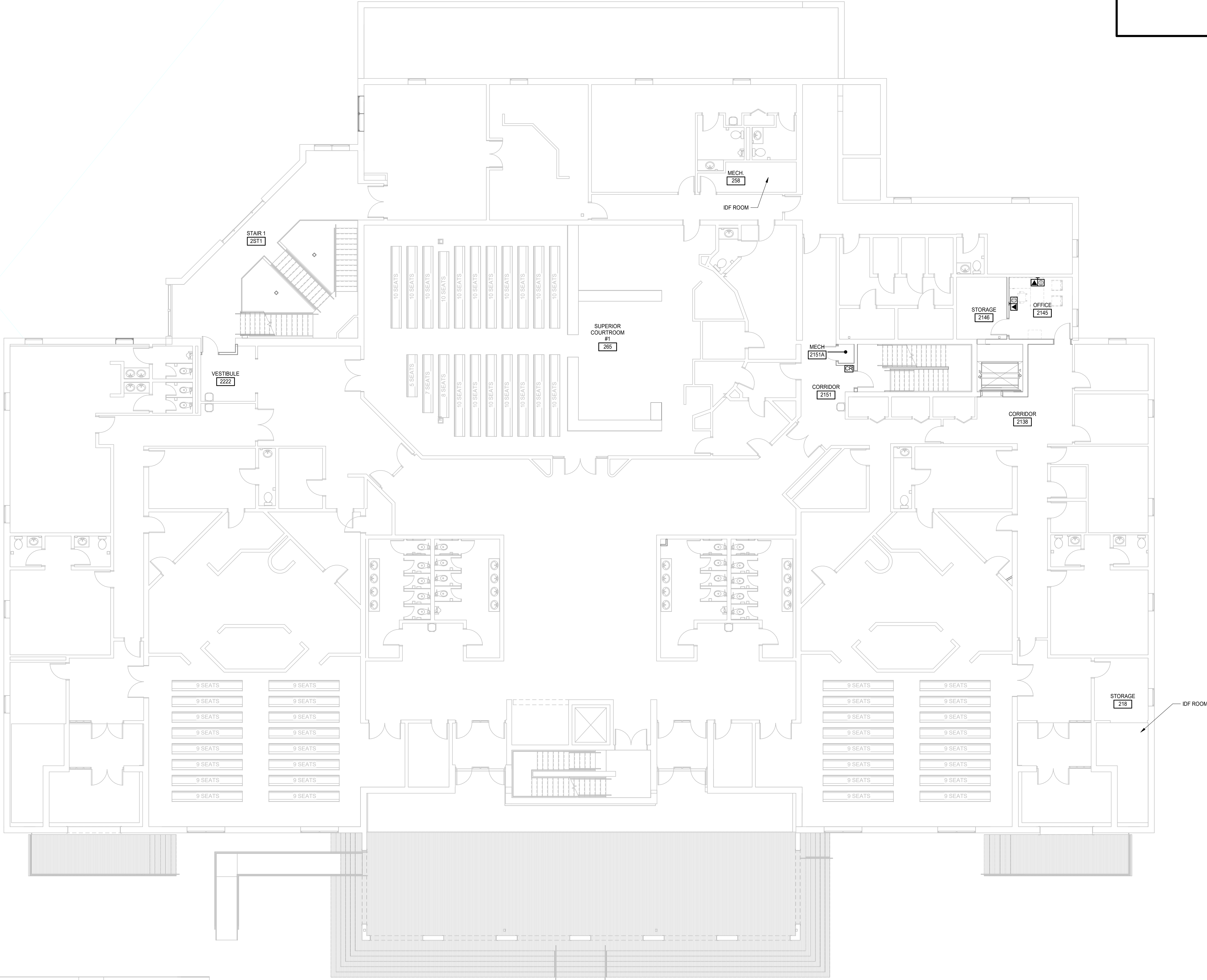
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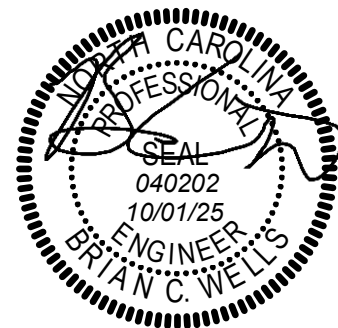


COMMUNICATIONS PLAN - LEVEL 2
1/8" = 1'-0"



GENERAL NOTES

1. TERMINATE CAT6A CABLING FROM DATA DEVICES TO NEAREST IDF
2. PROVIDE 2 DATA PORTS AT EACH DATA DROP, EXCEPT FOR ACCESS POINTS



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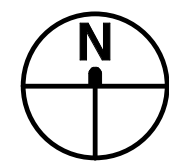
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COMMUNICATIONS
PLAN - LEVEL 2

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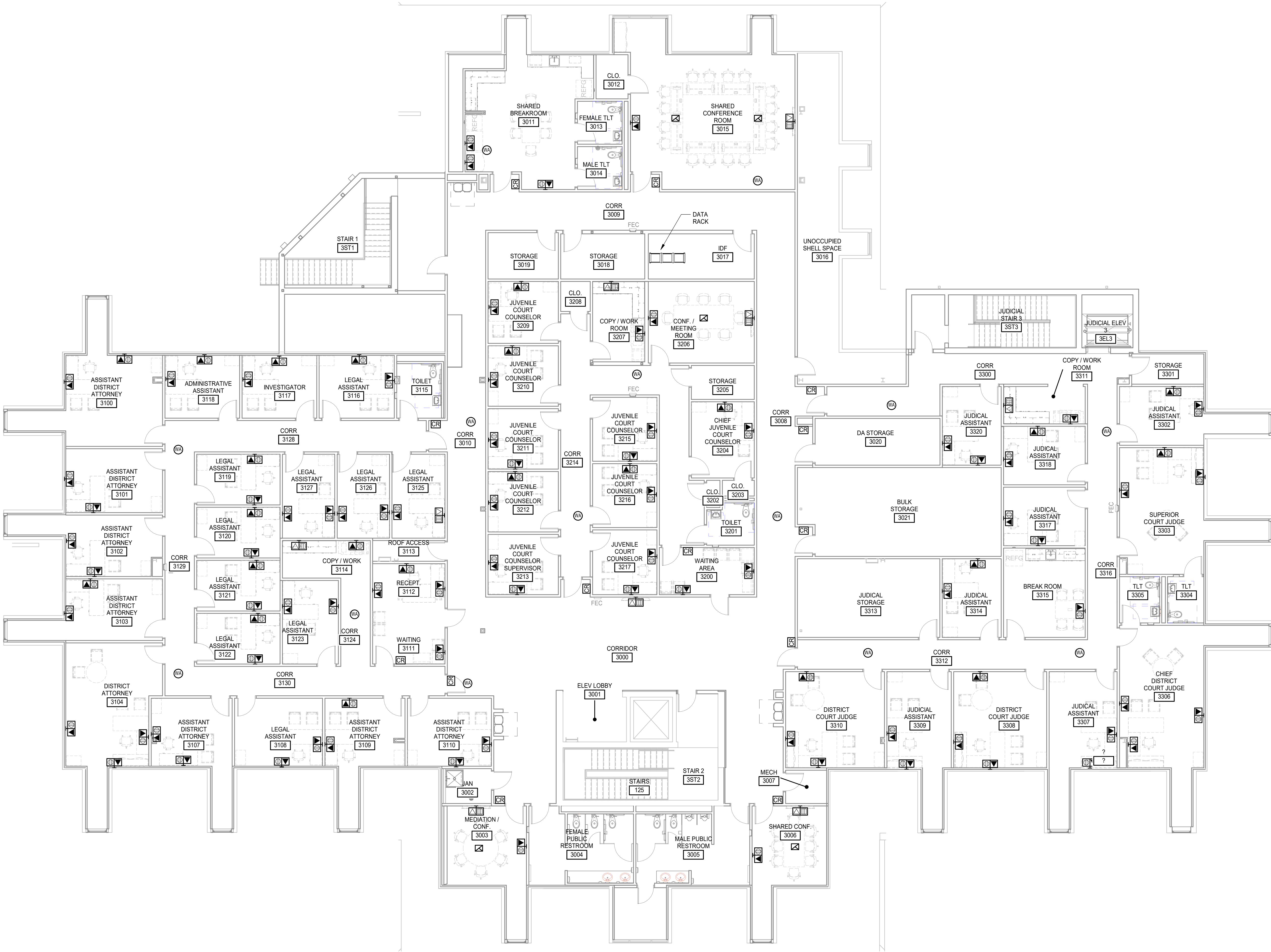
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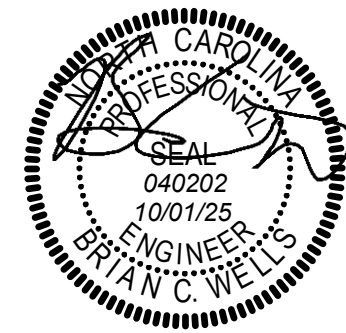
COMMUNICATIONS PLAN - LEVEL 3

1/8" = 1'-0"



GENERAL NOTES

1. PROVIDE CAT-6A DATA CABLING, DEVICES AND PATCH PANELS. TERMINATE CABLING IN IDF ROOM 3017.
2. 3RD FLOOR IDF ROOM SHARES SPACE WITH AV ROOM. PROVIDE FIBER IN CONDUIT DOWN TO MDF ON 1ST FLOOR. OWNER TO MAKE FINAL CONNECTIONS
3. PROVIDE J-HOOKS IN CORRIDORS FOR CABLING
4. COORDINATE WITH OWNER FOR CARD READER DEVICE REQUIREMENTS.
5. WHERE TV'S ARE SHOWN, COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR LOCATION OF DUPLEX AND DATA AS TO NOT INTERFERE WITH BLOCKING, CONFERENCE ROOMS AND LOBBY
6. PROVIDE (2) DATA PORTS AT EACH DATA DROP. (1) EXCEPT FOR ACCESS POINTS.

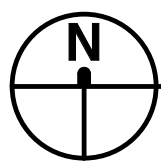


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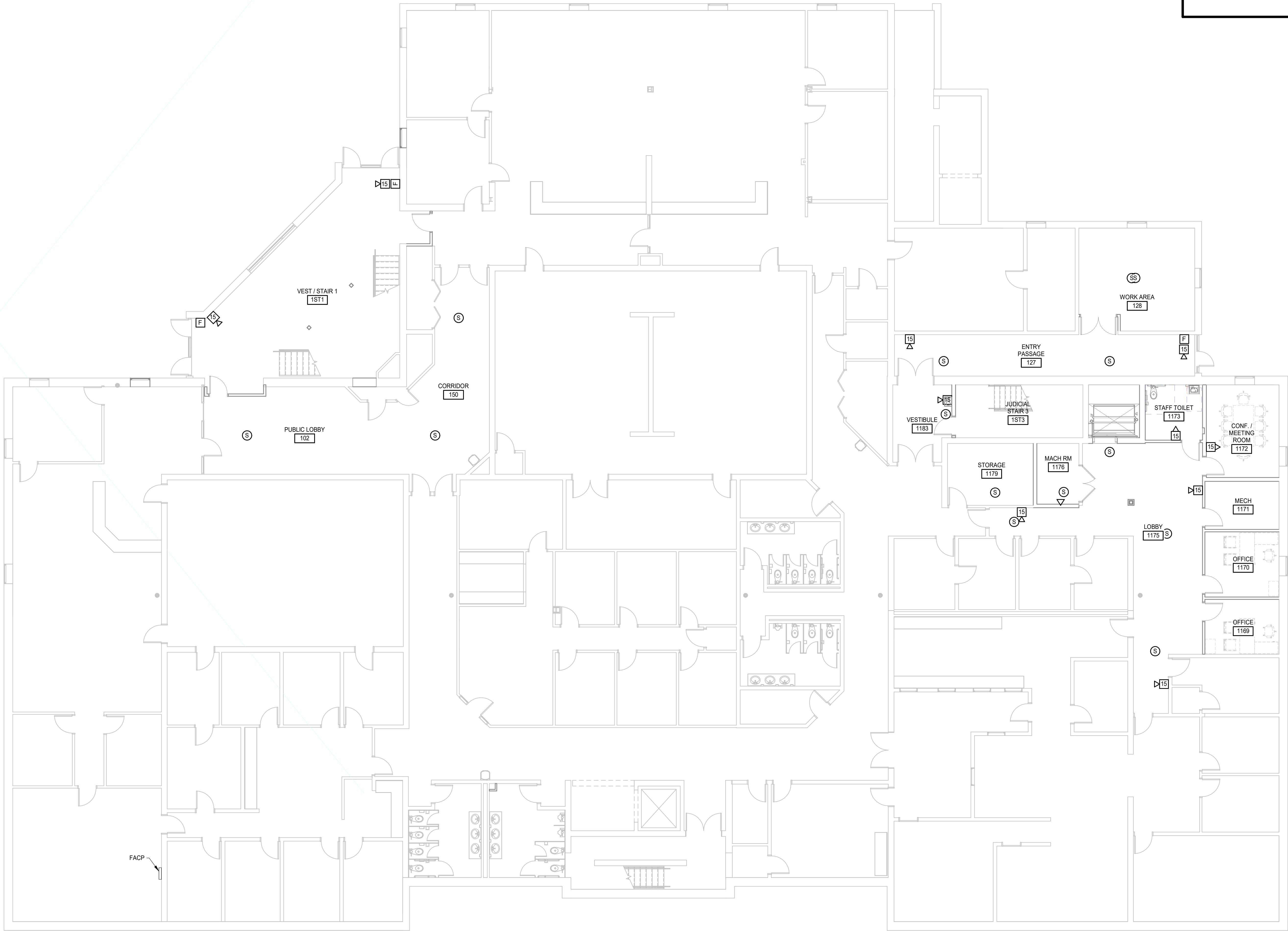
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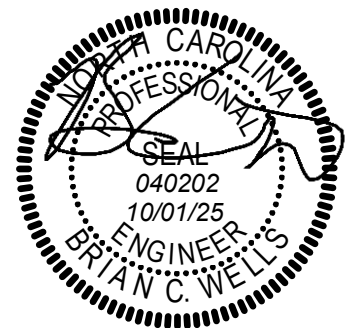
FIRE ALARM PLAN - LEVEL 1

1/8" = 1'-0"



GENERAL NOTES

1. TIE DEVICES INTO EXISTING FIRE ALARM SYSTEM



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FIRE ALARM PLAN -
LEVEL 1

E2.4.1

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1. TIE DEVICES INTO EXISTING FIRE ALARM SYSTEM

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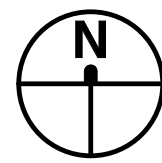
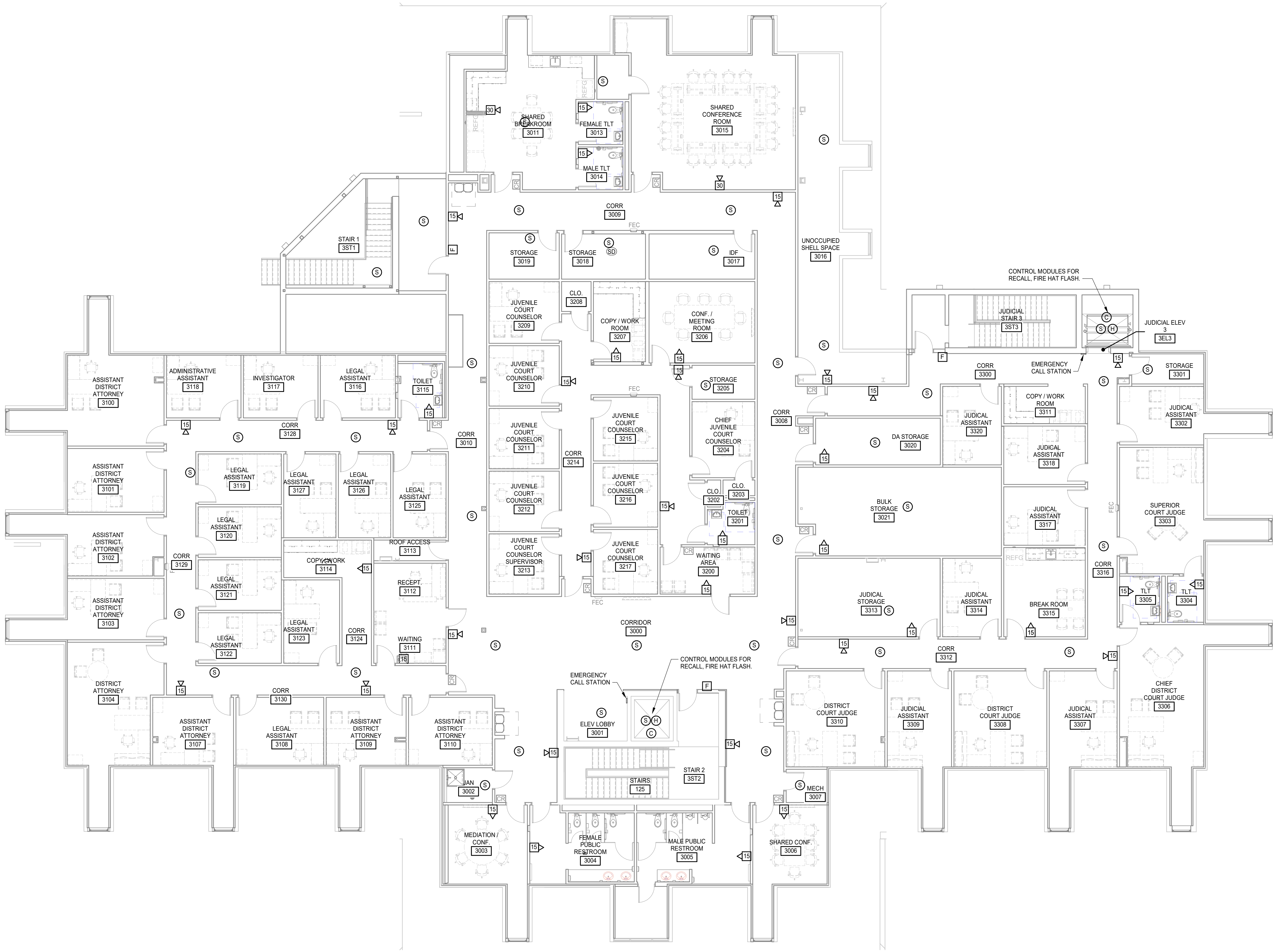
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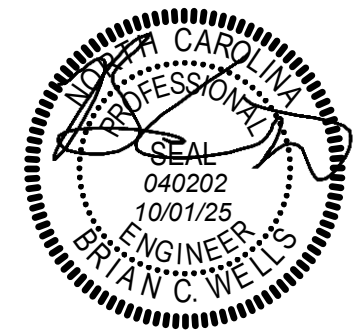


FIRE ALARM PLAN - LEVEL 3

GENERAL NOTES

- 1. TIE DEVICES INTO EXISTING FIRE ALARM SYSTEM

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FIRE ALARM PLAN -
LEVEL 3

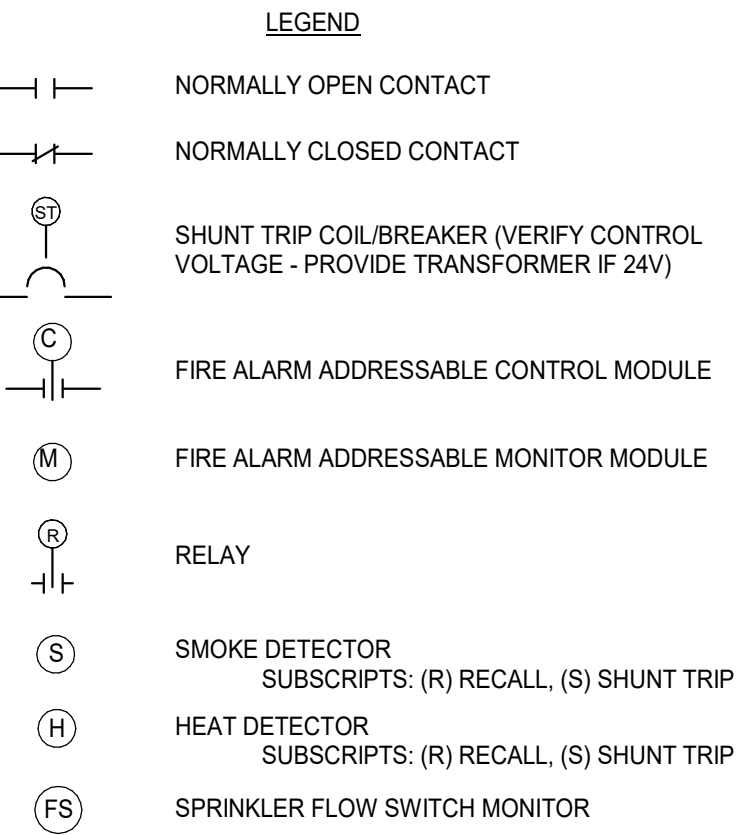
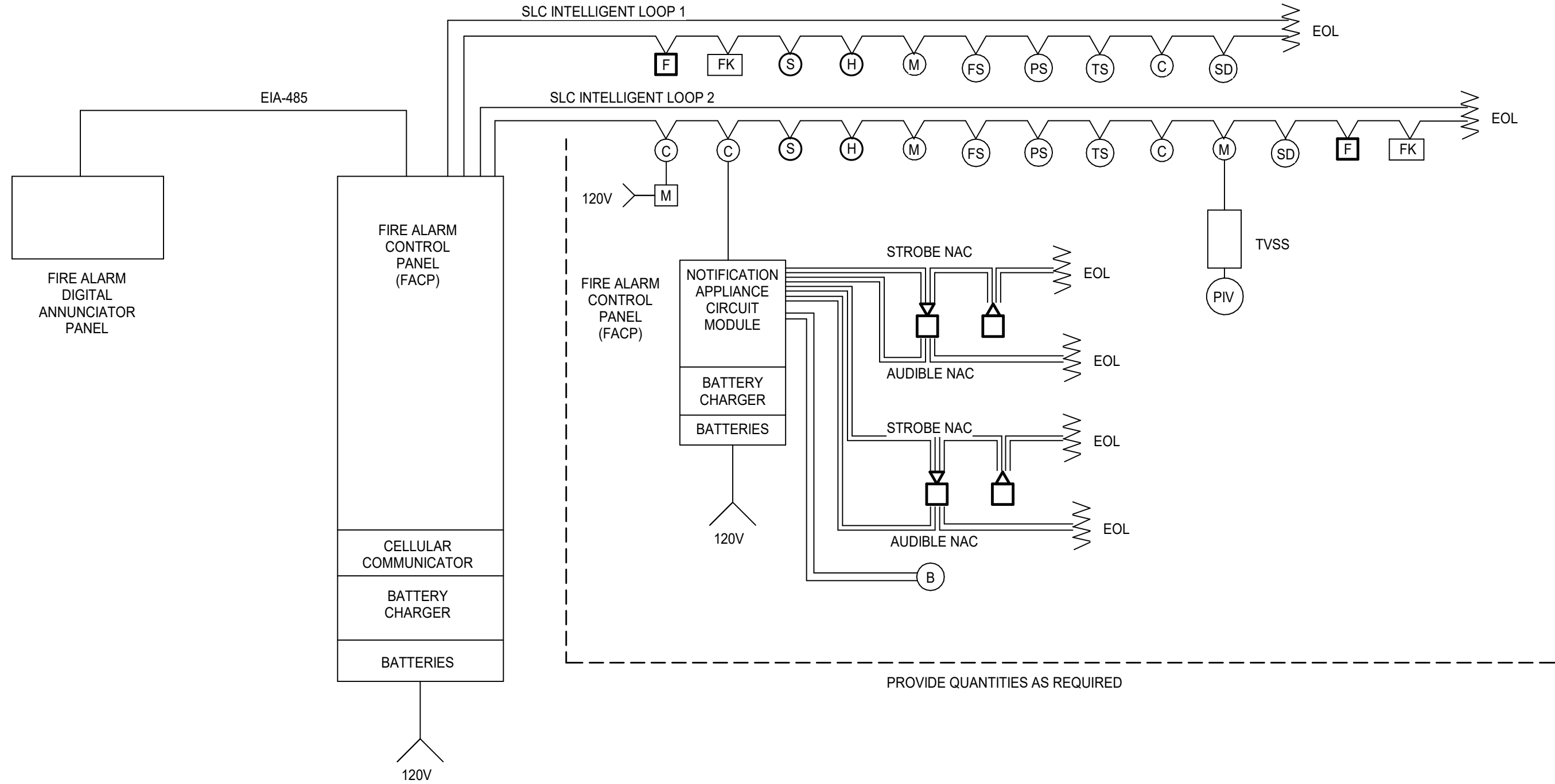
E2.4.3

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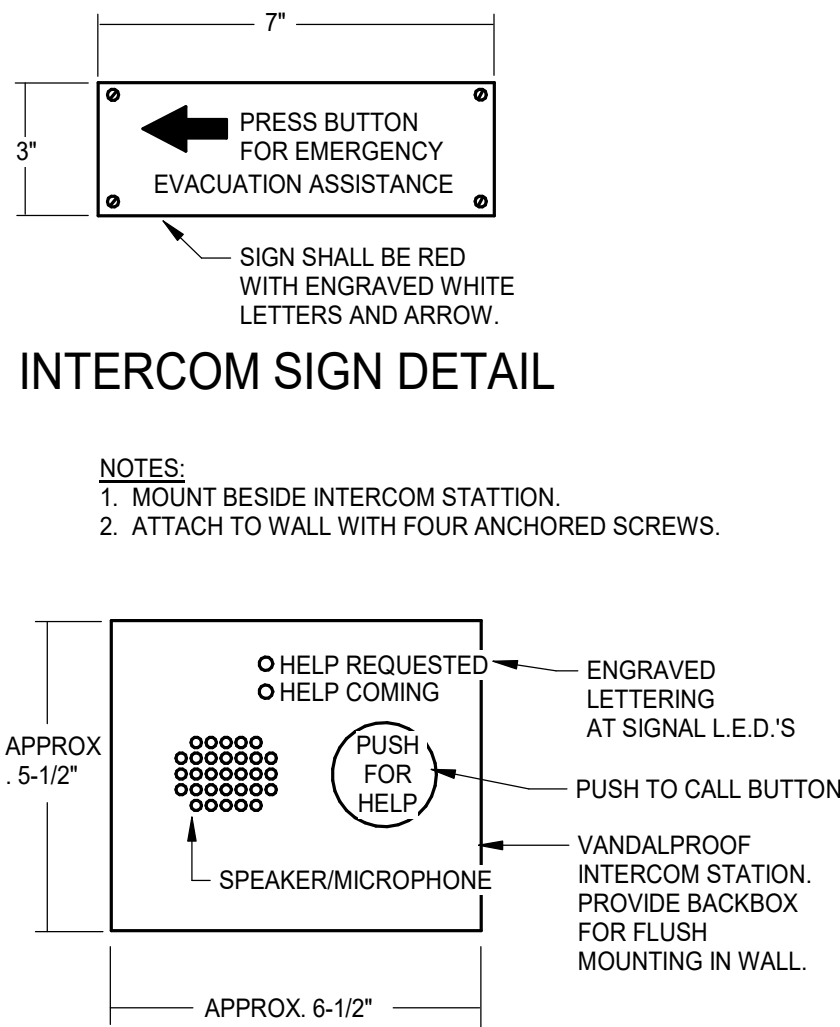
1 FIRE ALARM RISER DIAGRAM

E4.1 NO SCALE



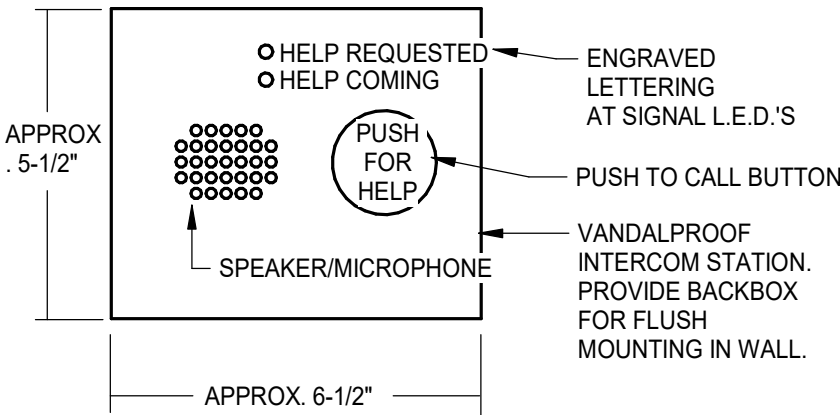
2 ELEVATOR RECALL & SHUNT TRIP DIAGRAM

E4.1 NO SCALE

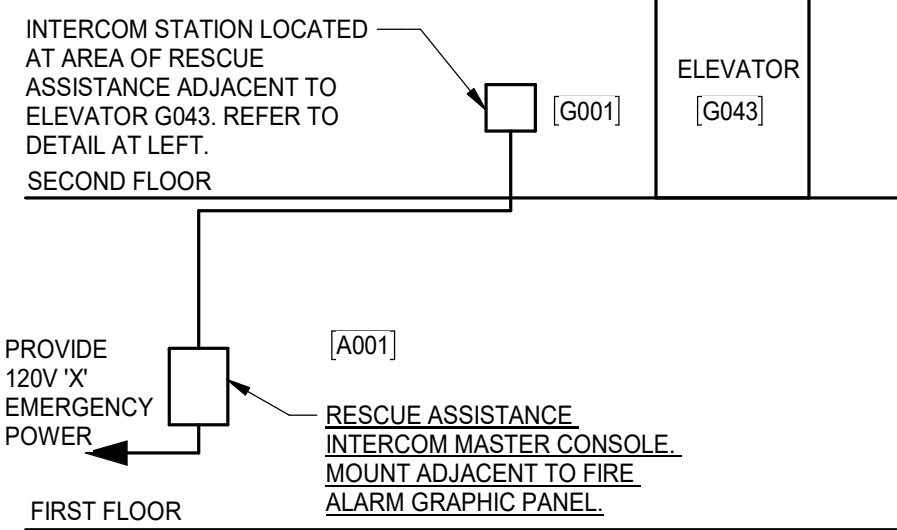


INTERCOM STATION DETAIL

NOTES:
1. MOUNT BESIDE INTERCOM STATION.
2. ATTACH TO WALL WITH FOUR ANCHORED SCREWS.



INTERCOM STATION DETAIL



RESCUE ASSISTANCE INTERCOM SYSTEM

NOTES:
1. ALL WIRING SHALL BE INSTALLED IN CONDUIT.
2. CONDUIT SHALL BE A MINIMUM OF 3/4" BUT SHALL BE INCREASED TO ACCOMMODATE THE ACTUAL NUMBER OF CONDUCTORS.
3. COORDINATE EXACT LOCATION OF AREAS OF RESCUE ASSISTANCE WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.

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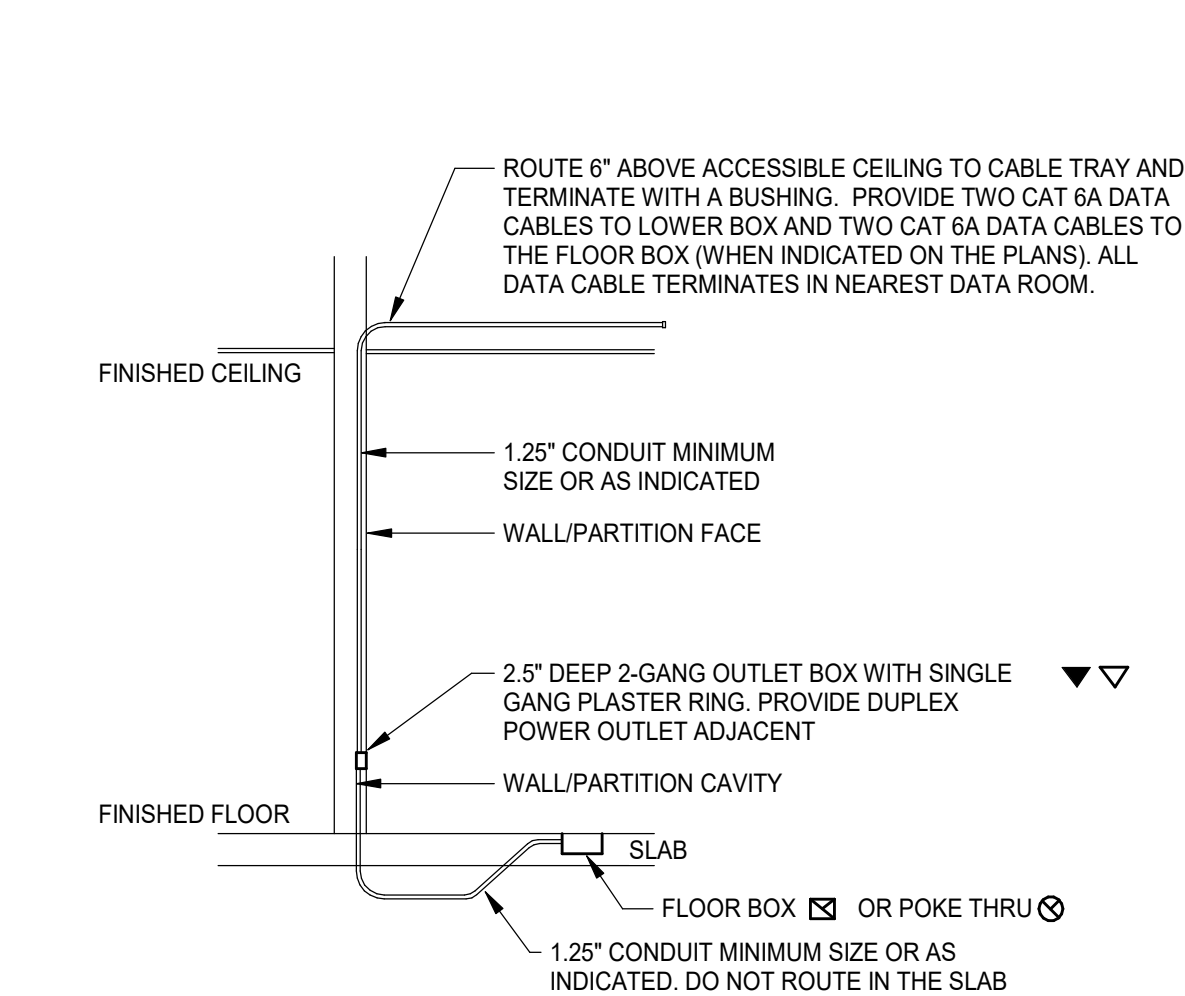
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ELECTRICAL DETAILS

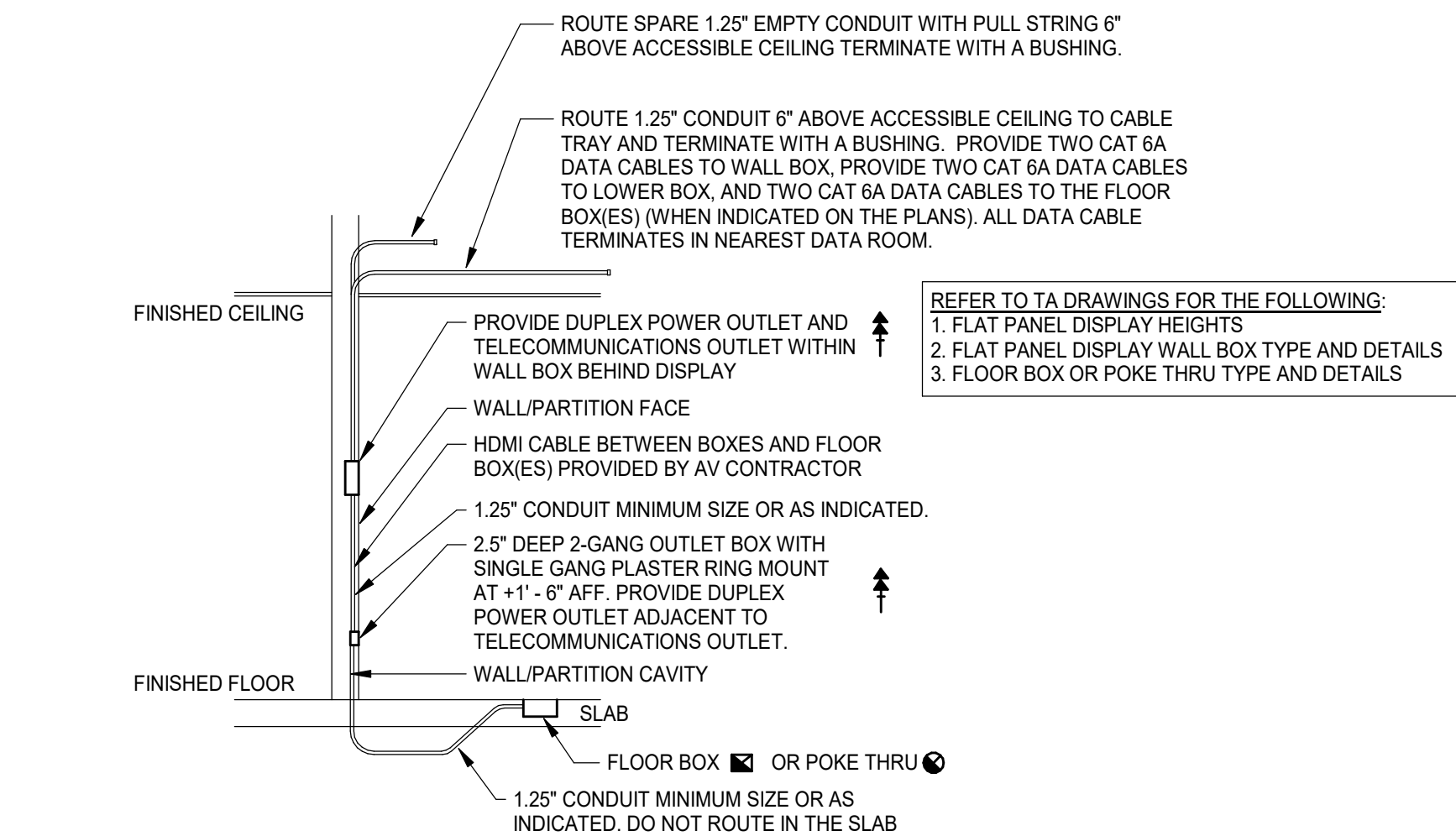
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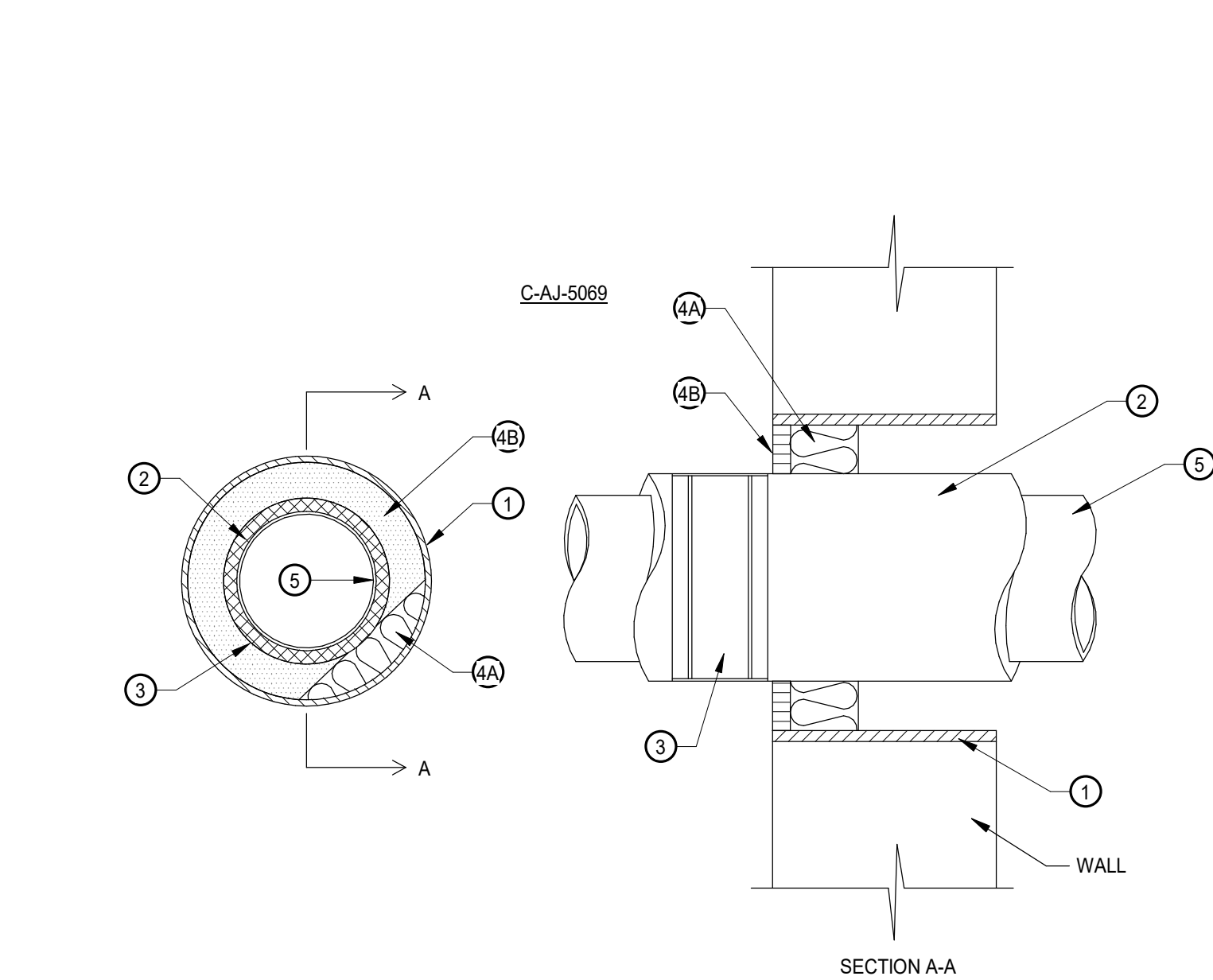
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1 TELECOMMUNICATIONS OUTLET CONDUIT DETAIL
E4.2 NO SCALE

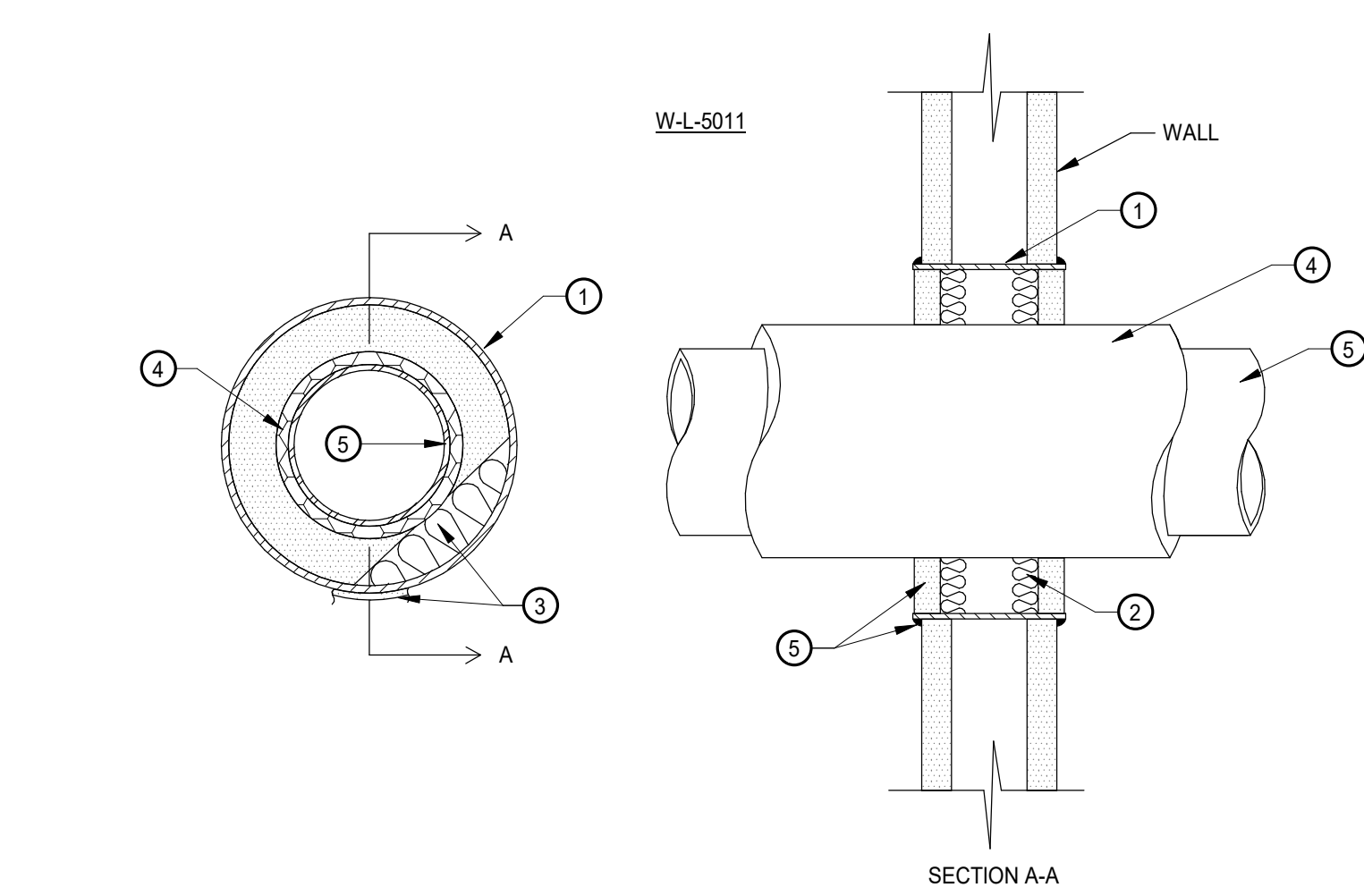


2 FLAT PANEL DISPLAY OUTLET WITH LOWER OUTLETS CONDUIT DETAIL
E4.2 NO SCALE



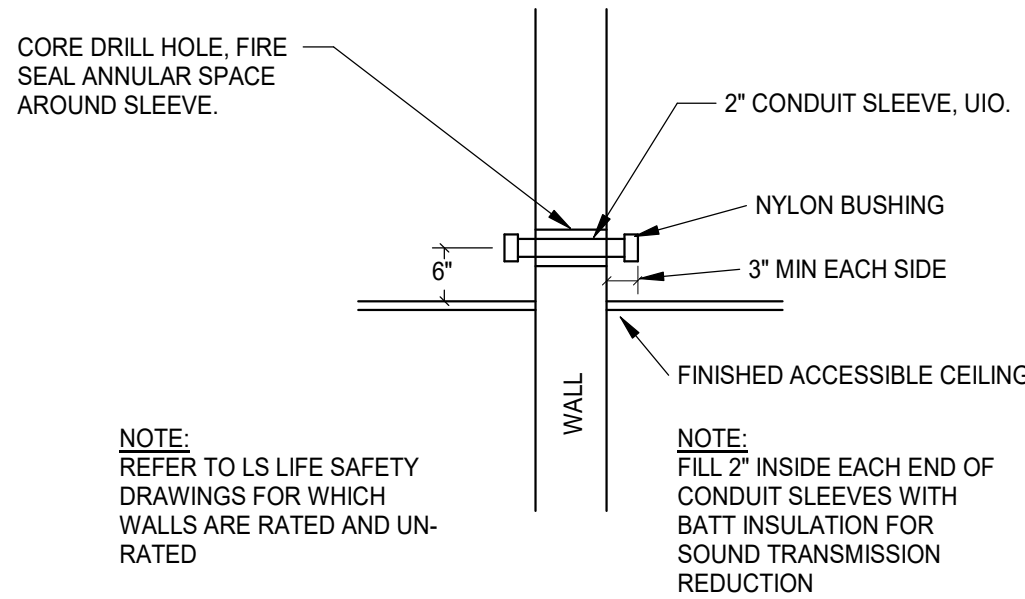
1. METALLIC SLEEVE - (OPTIONAL) NOMINAL 22" DIAMETER (OR SMALLER) SCHEDULE 40 STEEL PIPE CAST OR GROUTED INTO WALL ASSEMBLY, FLUSH WITH WALL SURFACES.
2. PIPE COVERING MATERIALS* - CELLULAR GLASS INSULATION - NOMINAL 1-1/2" OR 3" THICK CELLULAR GLASS PIPE INSULATION SIZED TO THE OUTSIDE DIAMETER OF THE STEEL PIPE OR TUBE AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. T RATING IS 0 HR WHEN NOMINAL 1-1/2" THICK PIPE INSULATION IS USED. T RATING IS 1 HR WHEN NOMINAL 3" THICK PIPE INSULATION IS USED. THE ANNULAR SPACE SHALL BE MINIMUM 3/4" TO MAXIMUM 3".
- PITTSBURGH CORNING CORP. - FOAMGLASS
3. METAL JACKET - MINIMUM 12" LONG JACKET FORMED OF MINIMUM 0.010" THICK STEEL OR ALUMINUM SHEET CUT TO WRAP TIGHTLY AROUND THE PIPE INSULATION WITH A MINIMUM 2" LAP. JACKET SECURED WITH MINIMUM 1/2" WIDE STAINLESS STEEL HOSE CLAMPS OR BANDS LOCATED WITHIN 2' OF EACH END OF THE JACKET AND SPACED A MAXIMUM OF 10' O.C. JACKET TO BE INSTALLED WITH ABUTTING SURFACE OF SEALANT (ITEM 6B) ON BOTH SURFACES OF WALL.
4. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
- A. PACKING MATERIAL - MINIMUM 3" THICKNESS OF MINIMUM 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
- B. FILL VOID OR CAVITY MATERIAL* - SEALANT - MINIMUM 3/4" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS. FLUSH WITH BOTH SURFACES OF WALL.
- HILTI CONSTRUCTION CHEMICALS, INC. - FS605 OR FS-ONE SEALANT
5. THROUGH PENETRANT - ONE METALLIC PIPE OR TUBING TO BE POSITIONED WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:
- A. STEEL PIPE - NOMINAL 12" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
- B. COPPER TUBING - NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
- C. COPPER PIPE - NOMINAL 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
- * BEARING THE UL CLASSIFICATION MARKING

3 PENETRATION THROUGH 2 HOUR FIRE RATED WALL
E4.2 NO SCALE

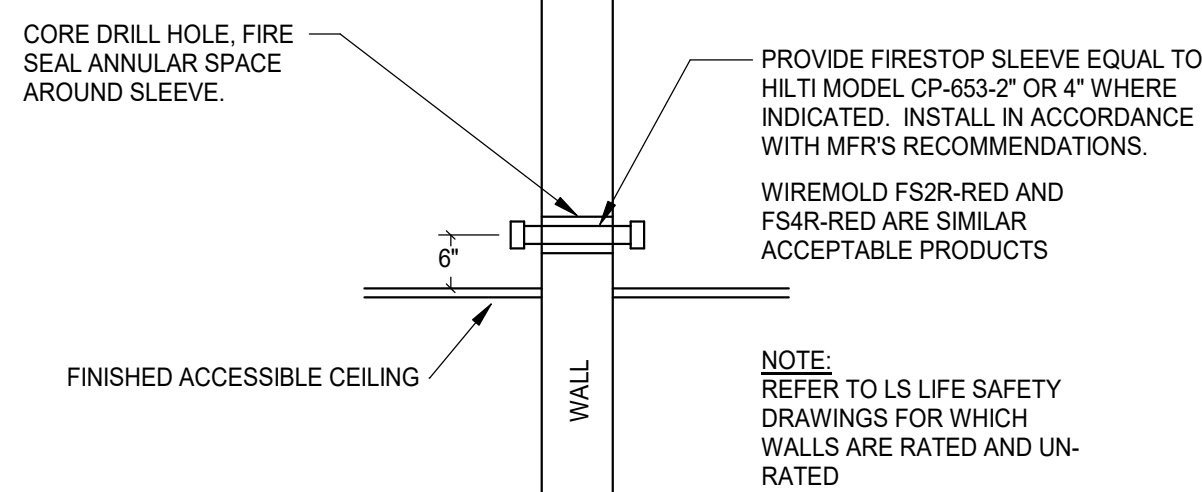


1. STEEL SLEEVE - CYLINDRICAL SLEEVE FABRICATED FROM MINIMUM 0.019" THICK (NO. 28 GAUGE) GALVANIZED SHEET STEEL AND HAVING A MINIMUM 2" LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL PLUS 1" SUCH THAT, WHEN INSTALLED, THE ENDS OF THE SLEEVE WILL PROJECT APPROXIMATELY 1/2" BEYOND THE SURFACE OF THE WALL ON BOTH SIDES OF THE WALL ASSEMBLY. THE DIAMETER OF THE OPENINGS CUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL ASSEMBLY (CONCENTRIC WITH PIPE) TO BE 2" TO 2-1/2" LARGER THAN OUTSIDE DIAMETER OF PIPE INSULATION SUCH THAT, WHEN THE STEEL SLEEVE IS INSTALLED, A 1" TO 1-1/4" ANNULAR SPACE WILL BE PRESENT BETWEEN THE STEEL SLEEVE AND THE PIPE INSULATION AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. SLEEVE INSTALLED BY COILING THE SHEET STEEL TO A DIAMETER SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENINGS AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUTS IN THE GYPSUM WALLBOARD LAYERS.
2. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR MINIMUM 1" THICKNESS OF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO STEEL SLEEVE ON BOTH SIDES OF THE WALL ASSEMBLY AS PERMANENT FORMS. PACKING MATERIAL TO BE RECESSED MINIMUM 1" FROM END OF STEEL SLEEVE (RECESSED MINIMUM 1/2" INTO GYPSUM WALLBOARD SURFACE) ON BOTH SIDES OF WALL ASSEMBLY.
3. FILL VOID OR CAVITY MATERIALS* - CAULK - MINIMUM 1" THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS ON BOTH SIDES OF WALL ASSEMBLY. THICKNESS FOR FILL MATERIAL FOR NOMINAL 3" DIAMETER (OR SMALLER) STEEL PIPES MAY BE REDUCED TO A MINIMUM 1/2". A NOMINAL 1/4" DIAMETER CONTINUOUS BEAD OF CAULK SHALL BE APPLIED AROUND THE CIRCUMFERENCE OF THE STEEL SLEEVE AT ITS EGRESS FROM THE GYPSUM WALLBOARD LAYERS ON BOTH SIDES OF THE WALL ASSEMBLY.
- MINNESOTA MINING & MFG. CO. - CP 25WB+
4. PIPE COVERINGS* - NOMINAL 1" OR 1-1/2" THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MINIMUM 3.5 PCF) GLASS FIBER UNITS JACKED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SEALED WITH METAL FASTENER STRIP TAPE SUPPLIED WITH THE PRODUCT.
5. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
- A. STEEL PIPE - NOMINAL 12" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE. WHEN STEEL PIPE IS USED, T RATING IS 1 HR.
- B. CONDUIT - NOMINAL 3" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT. WHEN STEEL CONDUIT IS USED, T RATING IS 1/4 HR.
- C. COPPER TUBING - NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. WHEN COPPER TUBING IS USED, T RATING 1/2 AND 1 HR WHEN INSTALLED IN 1 AND 2 HR RATED WALLS, RESPECTIVELY.
- D. COPPER PIPE - NOMINAL 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
- * BEARING THE UL CLASSIFICATION MARKING

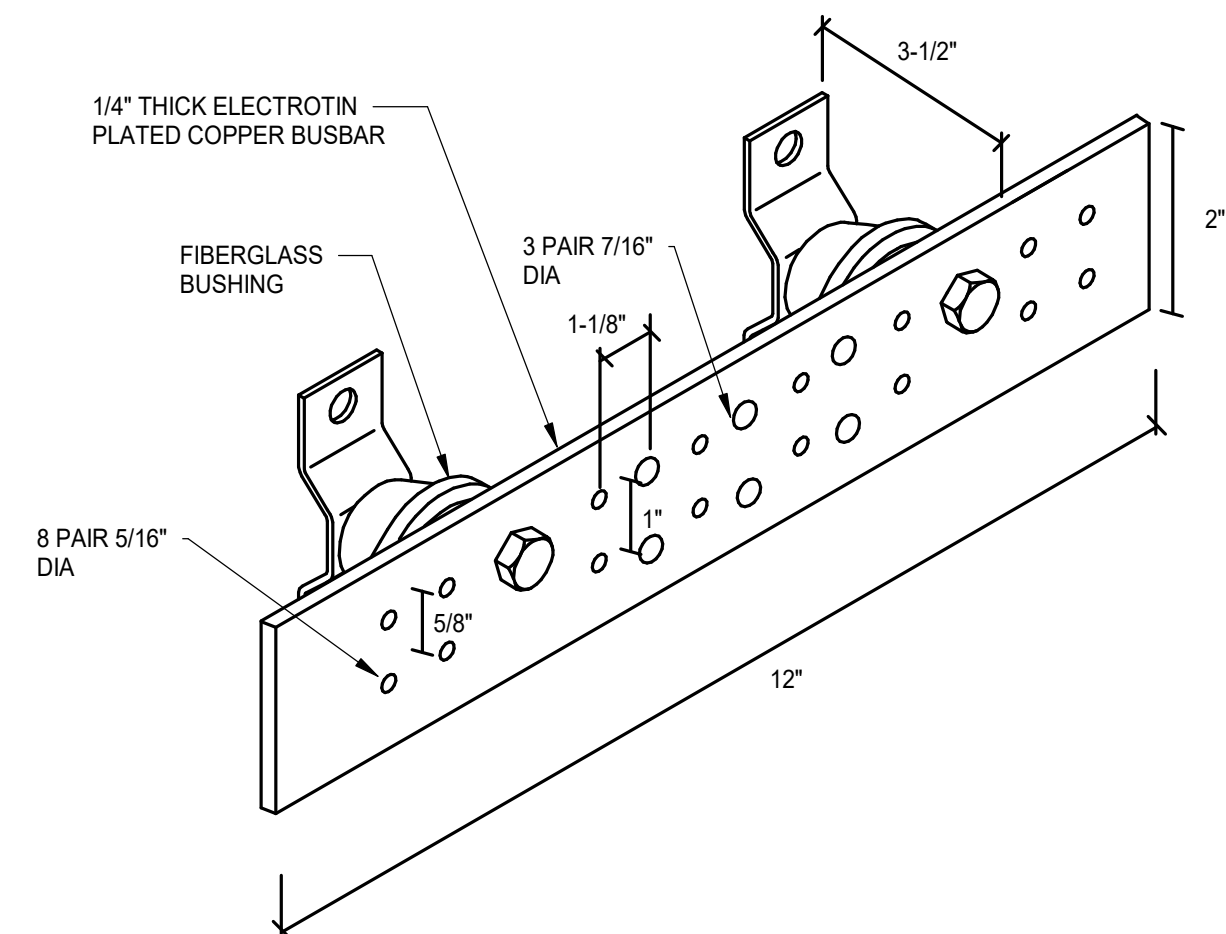
4 PENETRATION THROUGH 1 HOUR FIRE RATED WALL
E4.2 NO SCALE



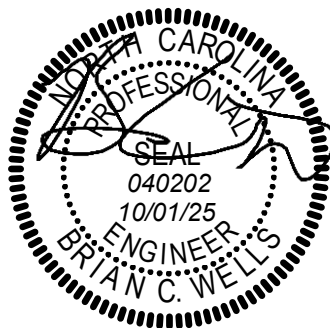
5 UN-RATED WALL CONDUIT SLEEVE DETAIL
E4.2 NO SCALE

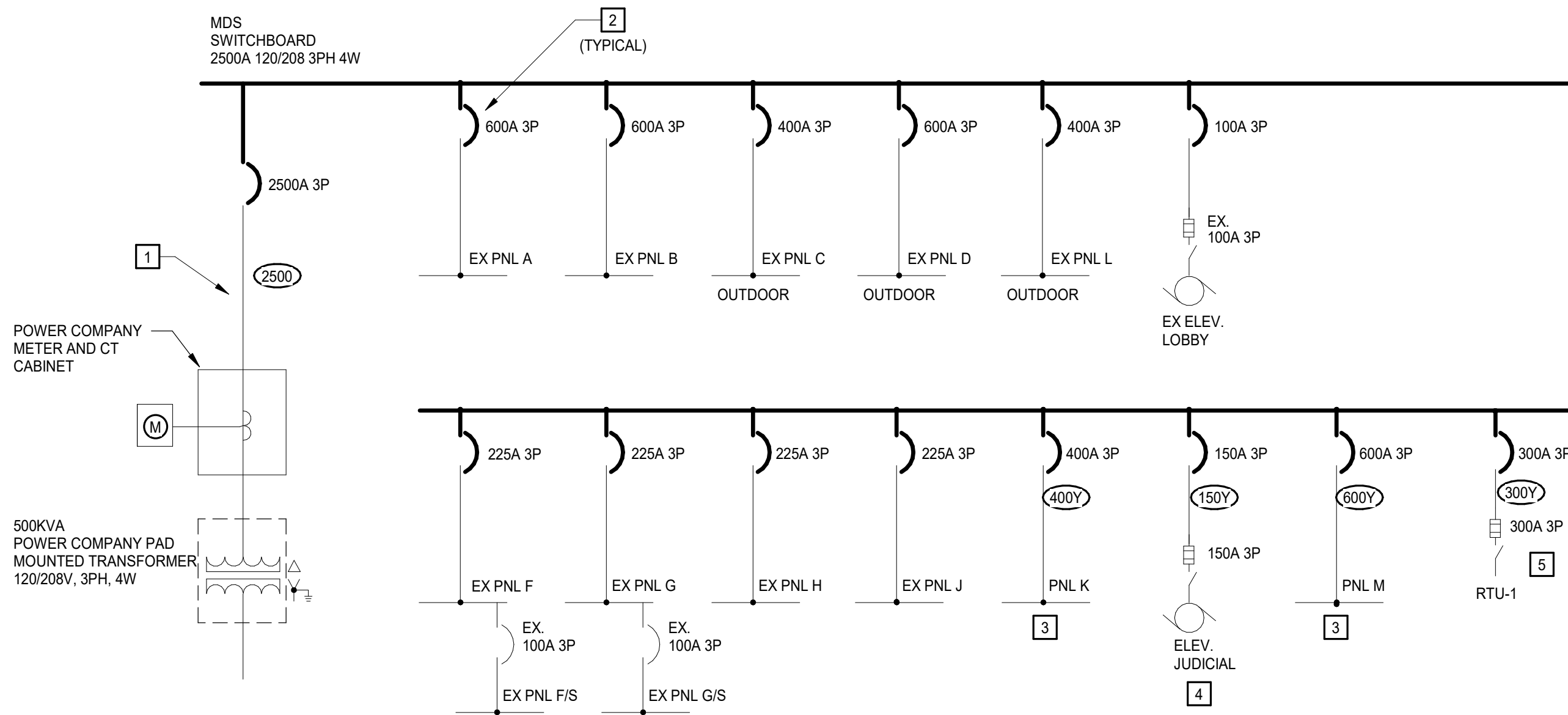


6 RATED WALL CONDUIT SLEEVE DETAIL
E4.2 NO SCALE



7 TELECOMMUNICATIONS GROUNDING BUSBAR (TGB) DETAIL
E4.2 NO SCALE





KEYNOTES	
APPLIES TO ONE LINE ONLY REPRESENTED BY [#]	
1.	CONNECT MDS TO POWER COMPANY PROVIDED CT CABINET.
2.	EXTEND EXISTING FEEDERS AND PANELS TO MDS
3.	PANEL LOCATED ON RENOVATED 3RD FLOOR
4.	PROVIDE DISCONNECT TO MATCH NAME PLATE DATA OF JUDICIAL ELEVATOR. COORDINATE WITH ELEVATOR VENDOR
5.	RTU-1 SERVES 3RD FLOOR

GENERAL NOTES	
1. PROVIDE A SHORT CIRCUIT STUDY PER THE CONTRACT DOCUMENTS. SYSTEM IS INDICATED HERE WITH CIRCUIT BREAKERS. PROVIDE FIXED, ADJUSTABLE AND ELECTRONIC ADJUSTABLE BREAKER AS REQUIRED. FUSES MAY BE USED IF DESIRED OR REQUIRED TO ACHIEVE REQUIRED SELECTIVITY. EQUIPMENT SHALL NOT BE RELEASED FOR FABRICATION UNTIL THE SHORT CIRCUIT STUDY IS APPROVED BY THE ARCHITECT. THE CONTRACTOR IS ADVISED NOT TO ORDER ELECTRICAL EQUIPMENT PRIOR TO SUBMISSION AND APPROVAL OF THE SHORT CIRCUIT STUDY. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR MODIFICATION OF ELECTRICAL EQUIPMENT ORDERED PRIOR TO THE APPROVED SHORT CIRCUIT STUDY.	

1
ES.1
NO SCALE

SWITCHBOARD SCHEDULE MDS							
HORIZONTAL... 2500 A		NEMA ENCL:		NEMA... FRONT ACCESS			
GROUND BUS: 2500 A		MAIN SWITCH: 2500 A		VOLTAGE: 120/208 Wye 3 PH 4 WIRE			
VERTICAL... 2500 A		CT SECTION: NO		BRACING: 65000 AMPS...			
NEUTRAL BUS: 2500 A							
DEVICE NO.	DESCRIPTION	A	B	C	NUMBER OF POLES	RATING	NOTES
1	EX PANEL A	0 VA	0 VA	0 VA	3	600 A	
2	EX PANEL B	0 VA	0 VA	0 VA	3	600 A	
3	EX PANEL C	0 VA	0 VA	0 VA	3	400 A	
4	EX PANEL D	0 VA	0 VA	0 VA	3	600 A	
5	EX PANEL L	0 VA	0 VA	0 VA	3	400 A	
6	EX ELEVATOR	0 VA	0 VA	0 VA	3	100 A	
7	EX PANEL F	0 VA	0 VA	0 VA	3	225 A	
8	EX PANEL G	0 VA	0 VA	0 VA	3	225 A	
9	EX PANEL H	0 VA	0 VA	0 VA	3	225 A	
10	EX PANEL J	0 VA	0 VA	0 VA	3	225 A	
11	SPACE ONLY	--	--	--	3	--	
12	PANEL K	22316 VA	22261 VA	19997 VA	3	400 A	
13	PANEL M	54889 VA	54889 VA	50512 VA	3	600 A	
14	ELEVATOR	12000 VA	12000 VA	12000 VA	3	150 A	
15	RTU-1	30504 VA	30504 VA	30504 VA	3	300 A	
TOTAL		193459 VA	193404 VA	186763 VA			
LOAD TYPE		CONNECTED KVA	DEMAND KVA				
INTERIOR LIGHTING		9974 VA	12468 VA				
EXTERIOR LIGHTING		0 VA	0 VA				
RECEPTACLES		49320 VA	29660 VA				
KITCHEN		0 VA	0 VA				
MISCELLANEOUS		36900 VA	36900 VA				
EXISTING		221250 VA	278563 VA				
HVAC		230012 VA	230012 VA				
TOTAL CONNECTED KVA:		574 KVA					
TOTAL DEMAND KVA:		612 KVA					
TOTAL CONNECTED...		1592 A					
TOTAL DEMAND AMPS:		1698 A					
NOTES:							
1. SWITCHBOARD SHALL BE UL SERVICE ENTRANCE RATED							
2. PROVIDE SPD WITH OVERCURRENT DEVICE, DISCONNECTING MEANS & CONDUCTORS. SIZE PER SPD MFR REQUIREMENTS MOUNTED ON TOP OF EQUIPMENT							
3. PROVIDE DISCONNECTING MEANS LABEL PER 2008 NEC 230.70(B)							
4. PROVIDE GROUND FAULT PROTECTIVE RELAY, DOCUMENT TEST. PROVIDE PHASE LOSS AND UNDERVOLTAGE DRY CONTACT FOR BAS PICKUP.							
5. PROVIDE FACTORY INSTALLED DIGITAL MULTIMETER, PLUS MONITORING CABLE IN CONDUIT TO BAS PICKUP MODULE. COORDINATE WITH DWG 23.							
6. PROVIDE SIGN PER NEC 700. "LIFE SAFETY STANDBY FROM GENERATOR LOCATED IN EQUIPMENT YARD OUTSIDE. VIA ATS-X"							
7. PROVIDE SIGN PER NEC 702. "OPTIONAL STANDBY FROM GENERATOR LOCATED IN EQUIPMENT YARD OUTSIDE. VIA ATS-E"							
8. FOR NONSIMULTANEOUS LOADS, ONLY LARGER OF LOADS IS INCLUDED IN TOTAL.							
9. PROVIDE INDIVIDUAL METERING AND BAS CABLING FOR THIS CIRCUIT....							

PANELBOARD SCHEDULE M										LOCATION: STORAGE 3019		FED FROM: MDS		
600 AMP MCB			120/208 Wye			3 PH 4 W			MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 22 KAIC		
CKT	BRKR	POLE	LOAD			A	B	C	LOAD	POLE	BRKR	CKT		
1						4.6	1.7					2		
3	40 A	3	TU1-01					4.6	1.7			4		
5									4.6	1.7		6		
7						1.7	1.7					8		
9	15 A	3	TU1-03					1.7	1.7			10		
11									1.7	1.7		12		
13						1.7	2.3					14		
15	15 A	3	TU1-05					1.7	2.3			16		
17									1.7	2.3		18		
19						2.5	2.3					20		
21	25 A	3	TU1-07					2.5	2.3			22		
23									2.5	2.3		24		
25	20 A	2	TU1-09			0.9	2.5					26		
27								0.9	2.5			28		
29	20 A	1	SPARE						0.0	2.5		30		
31						6.3	4.2					32		
33	60 A	3	TU1-11					6.3	4.2			34		
35									6.3	4.2		36		
37						2.5	1.0					38		
39	25 A	3	TU1-13					2.5	1.0			40		
41									2.5	1.0		42		
43						0.4	1.3					44		
45	15 A	3	TU1-15					0.4	1.3			46		
47									0.4	1.3		48		
49						2.5	2.1					50		
51	20 A	3	TU1-17					2.5	2.1			52		
53									2.5	2.1		54		
55						2.5	2.1					56		
57	25 A	3	TU1-19					2.5	2.1			58		
59									2.5	2.1		60		
61						1.3	1.5					62		
63	15 A	3	TU1-21					1.3	1.5			64		
65									1.3	1.5		66		
67						1.5	4.2					68		
69	15 A	3	TU1-23					1.5	4.2			70		
71									1.5	0.0		72		
73	20 A	1	SPARE			0.0	0.0				1	20 A		
75	20 A	1	SPARE					0.0	0.0		1	20 A		
77	20 A	1	SPARE						0.0	0.0	SPARE	1		
79	20 A	1	SPARE			0.0	0.0				SPARE	1		
81	20 A	1	SPARE					0.0	0.0		SPARE	1		
83	20 A	1	DATA 3018						0.4	0.4	DATA 3018	1		
						55 kVA	55 kVA	51 kVA						
						463 A	463 A	421 A						
(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22. DED. NEUTRAL.														
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.														
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.														
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.														
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.														
Load Classification						Connected Load	Demand Factor	Estimated Demand	Panel Totals					
INTERIOR LIGHTING						0 VA	0.00%	0 VA						
EXTERIOR LIGHTING						0 VA	0.00%	0 VA						
RECEPTACLES						720 VA	100.00%	720 VA	Total Conn. Load: 160.3 kVA					
ELECTRIC HEAT						0 VA	0.00%	0 VA	Total Est. Demand: 160.3 kVA					
HVAC						132500 VA	100.00%	132500 VA	Total Conn. Current: 445 A					
MISCELLANEOUS						0 VA	0.00%	0 VA	Total Est. Demand... 445 A					

PANELBOARD SCHEDULE				K	LOCATION: STORAGE 3019		FED FROM: MDS			
400 AMP MCB		120/208 Wye		3 PH 4 W		MOUNT: SURFACE		PANEL ASSEMBLY RATED (KAIC): 22 KAIC		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	REC 3302	0.7	0.9		REC 3303	1	20 A	2
3	20 A	1	REC 3306			0.9 0.7	REC 3307	1	20 A	4
5	20 A	1	REC 3309			0.7 0.7	REC 3310	1	20 A	6
7	20 A	1	REC 3311	0.7 0.5			REC 3114	1	20 A	8
9	20 A	1	REC 3313		0.7 0.7		REC 3314	1	20 A	10
11	20 A	1	REC 3315 (GP)			0.2 0.4	REC 3315	1	20 A	12
13	20 A	1	REC 3317	0.7 0.7			REC 3318	1	20 A	14
15	20 A	1	REC 3319		0.2 0.7		REC 3320	1	20 A	16
17	20 A	1	REC 3020			0.5 0.7	REC 3021	1	20 A	18
19	20 A	1	REC 3300, 3312, 3316, 3301 (GP)	0.9 1.1			REC 3006	1	20 A	20
21	20 A	1	REC 3003		1.1 0.2		EWG 3000 (GP)	1	20 A	22
23	20 A	1	EWG 3000 (GP)			0.2 0.7	REC 3110	1	20 A	24
25	20 A	1		0.7 0.7			REC 3108	1	20 A	26
27	20 A	1	REC 3107		0.7 0.7		REC 3104	1	20 A	28
29	20 A	1	SPARE			0.0 0.7	REC 3103	1	20 A	30
31	20 A	1	REC 3102	0.7 0.7			REC 3101	1	20 A	32
33	20 A	1	REC 3100		0.7 0.7		REC 3118	1	20 A	34
35	20 A	1	REC 3117			0.7 0.7	REC 3116	1	20 A	36
37	20 A	1	SPARE	0.0 0.7			REC 3125	1	20 A	38
39	20 A	1	REC 3126		0.7 0.7		REC 3127	1	20 A	40
41	20 A	1	REC 3119			0.7 0.7	REC 3120	1	20 A	42
43	20 A	1	REC 3121	0.7 0.7			REC 3122	1	20 A	44
45	20 A	1	REC 3123		0.7 0.2		REC 3114	1	20 A	46
47	20 A	1	REC 3111, 3112			0.9 1.1	REC 3130 (GP)	1	20 A	48
49	20 A	1	REC 3200	0.5 0.5			REC 3217	1	20 A	50
51	20 A	1	REC 3007 (GP)		1.1 0.7		REC 3201, 3214	1	20 A	52
53	20 A	1	REC 3215			0.7 0.7	REC 3212	1	20 A	54
55	20 A	1	REC 3211	0.7 0.7			REC 3210	1	20 A	56
57	20 A	1	REC 3209		0.7 0.5		REC 3207	1	20 A	58
59	20 A	1	REC 3207			0.2 1.1	REC 3206	1	20 A	60
61	20 A	1	REC 3215	0.7 0.7			REC 3216	1	20 A	62
63	20 A	1	REC 3204		0.7 1.1		REC 3010 (GP)	1	20 A	64
65	20 A	1	REC 3000			0.2 0.5	REC 3017, 3018, 3019 (GP)	1	20 A	66
67	20 A	1	REC 3016	0.2 0.2			REC 3011 (GP)	1	20 A	68
69	20 A	1	REC 3011 (GP)		0.2 0.2		REC 3011 (GP)	1	20 A	70
71	20 A	1	REC 3012 (GP)			0.2 0.2	REC 3011 (GP)	1	20 A	72
73	20 A	1	REC 3011 (GP)	0.2 0.2			REC 3011 (GP)	1	20 A	74
75	20 A	1	REC 3014, 3013		0.4 0.4		REC 3011 (GP)	1	20 A	76
77	20 A	1	REC 3009 (GP)			0.2 0.7	REC 3015	1	20 A	78
79	20 A	1	REC 3015	0.7 0.2			REC 3015 (GP)	1	20 A	80
81	20 A	1	REC 3315		0.2 0.2		REC 3315 (GP)	1	20 A	82
83	20 A	1	REC 3011			0.4 0.0	SPARE	1	20 A	84
85	20 A	1	ROOFTOP GFI	0.2 0.0			SPARE	1	20 A	86
87	20 A	1	SPARE		0.0 0.0		SPARE	1	20 A	88
89	20 A	1	SPARE			0.0 1.0	LIGHTING 3300 OFFICES	1	20 A	90
91	20 A	1	SPARE	0.0 0.7			LIGHTING 3300 CORRIDOR	1	20 A	92
93	20 A	1	SPARE		0.0 1.3		LIGHTING 3200 OFFICES	1	20 A	94
95	20 A	1	SPARE			0.0 0.5	LIGHTING 3100 CORRIDOR	1	20 A	96
97	20 A	1	SPARE	0.0 1.5			LIGHTING 3100-3110, 3002-3007	1	20 A	98
99	20 A	1	SPARE		0.0 1.1		LIGHTING 3300 OFFICES	1	20 A	100
101	20 A	1	SPARE			0.0 1.7	LIGHTING 3000 CORRIDOR	1	20 A	102
103				2.0 1.0			LIGHTING 3011-3018 & 3ST1	1	20 A	104
105	30 A	3	EW1H-1100		2.2 1.1		LIGHTING 3100 OFFICES	1	20 A	106
107					2.0 0.0		RCP-1 3002	1	20 A	108
				22 kVA	22 kVA	20 kVA				
				189 A	188 A	167 A				
(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22, DEED. NEUTRAL. (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8, DEED. NEUTRAL. (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING. (LC) = ROUTE TO LOAD VIA LIGHTING CONTROL, REF DETAIL ON DWG E-4. (ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.										
Load Classification			Connected Load	Demand Factor	Estimated Demand	Panel Totals				
INTERIOR LIGHTING			9974 VA	125.00%	12468 VA					
EXTERIOR LIGHTING			0 VA	0.00%	0 VA	Total Conn. Load: 64.6 kVA				
RECEPTACLES			48600 VA	60.29%	29300 VA	Total Est. Demand: 47.8 kVA				
AC/ HEAT PUMP			0 VA	0.00%	0 VA	Total Conn. Current: 179 A				
ELECTRIC HEAT			0 VA	0.00%	0 VA	Total Est. Demand... 133 A				
KITCHEN			0 VA	0.00%	0 VA					
MISCELLANEOUS			0 VA	0.00%	0 VA					