

PORTER COUNTY OFFICE BUILDING

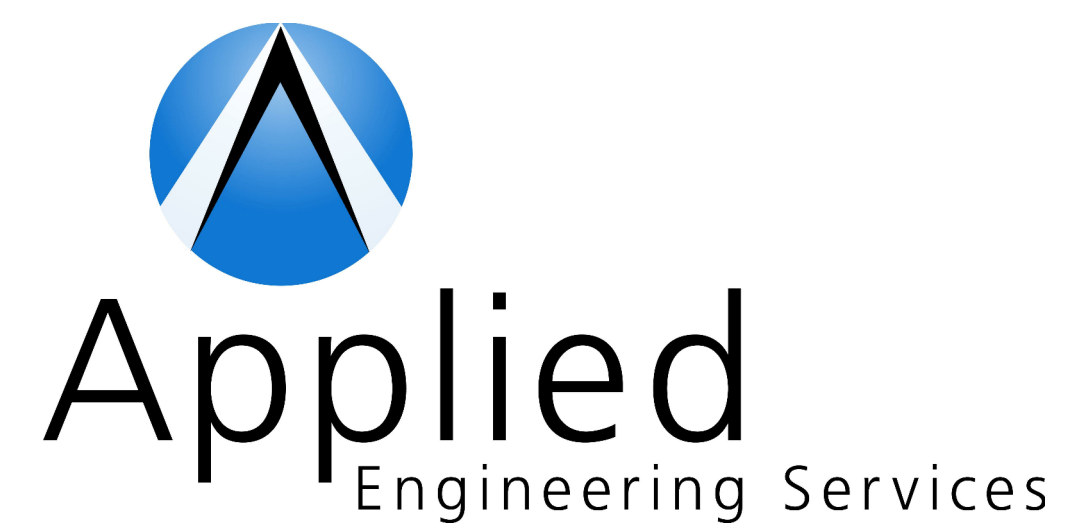
PORTAGE, IN

100% CONSTRUCTION DOCUMENTS - BP1

08.17.18



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ABBREVIATIONS			
A	ARCHITECT/ENGINEER	GALV	GALVANIZED
ACOUS	ACOUSTICAL	GLZ	GLAZING
ACT	ACOUSTICAL CEILING TILE	GUT	GUTTER
ADA	AMERICAN'S WITH DISABILITIES ACT	GYP BD/GWB	GYP SUM BOARD
ADD	ADDENDUM	H	HANDICAP(PED)
ADJ	ADJACENT	HC	HOLLOW CORE WOOD
AFF	ABOVE FINISH FLOOR	HDWE/HDW	HARDWARE
ALT	ALTERNATE	HM	HOLLOW METAL
ALUM	ALUMINUM	HMD	HOLLOW METAL DOOR
ANOD	ANODIZED	HORIZ	HORIZONTAL
ARCH	ARCHITECT (URAL)	HT	HEIGHT
B		HVAC	HEATING, VENTILATION, AIR CONDITIONING
BLDG	BUILDING		
BLK	BLOCK		
BLKG	BLOCKING	I	INSIDE DIAMETER
BM	BEAM	ICF	INSULATED CONCRETE FORM
BOT	BOTTOM		
BRG	BEARING	ID	INSIDE DIAMETER
C		INCAND	INCANDESCENT
C/C	CENTER TO CENTER	INDIC	INDICATE
CAB	CABINET	INSTL	INSTALL(ATION)
CB	CORNER BEAD	INSUL	INSULATION
CER	CERAMIC	INT	INTERIOR
CF	CUBIC FOOT		
CFCI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	J	JOIST
CHAN	CHANNEL	JST	JOIST
CJ	CONTROL JOINT	JT	JOINT
CL	CENTER LINE		
CLG	CEILING	L	LOAD BEARING
CMU	CONCRETE MASONRY UNIT	LAV	LAVATORY
CONC	CONCRETE	LD BRG	LOAD BEARING
CONSTR	CONSTRUCTION	LF	LINEAR FOOT
CONT	CONTINUOUS	LTG	LIGHTING
CP/CPT	CARPET	LWT	LIGHTWEIGHT
D		LVR	LOUVER
DEMO	DEMOLITION (ISH)	M	MASONRY
DF	DRINKING FOUNTAIN	MATL	MATERIAL
DIFF	DIFFUSER	MAX	MAXIMUM
DIM	DIMENSION	MECH	MECHANICAL
DISP	DISPENSER	MED	MEDICINE (MEDICAL)
DO	DOOR OPENING	MET	METAL
DS	DOWNSPOUT	MFG	MANUFACTURER (ING)
DWG	DRAWING	MIN	MINIMUM
E		MISC	MISCELLANEOUS
EJ	EXPANSION JOINT	MILWK	MILLWORK
ELEC	ELECTRICAL (ELEVATOR)	MO	MASONRY OPENING
ELEV	ELEVATION	MTD	MOUNTED
ENCL	ENCLOSURE	MTG	MOUNTING
ENGR	ENGINEER	MULL	MULLION
EQUIP	EQUIPMENT	MULT	MULTIPLE
EW	ELECTRICAL WATER COOLER	N	NOT APPLICABLE
EXST	EXISTING	N/A	NOT IN CONTRACT
F		NIC	NOMINAL
F/F	FACE TO FACE	NOM	NOMINAL
FDN	FOUNDATION	NTS	NOT TO SCALE
FE	FIRE EXTINGUISHER	O	OUT TO OUT
FHC	FIRE HOSE CABINET	OA	OVERALL
FIN	FINISH	OC	ON CENTER
FIN FL	FINISHED FLOOR (FLOORING)	OD	OUTSIDE DIAMETER
FLR (FLRG)	FLOORING	OF	OUTSIDE FACE
FLUOR	FLUORESCENT	OF	OWNER FURNISHED - CONTRACTOR INSTALLED
FOC	FACE OF CONCRETE	OH	OVERHEAD
FOF	FACE OF FINISH	OPNG	OPENING
FOM	FACE OF MASONRY	OPP	OPPOSITE
FOS	FACE OF STUD	OPT	OPTIONAL
FR	FIRE RATING	ORD	OVERFLOW ROOF DRAIN
FT	FIRE TREATED		
FTG	FOOTING		
FURN	FURNITURE		
FURR	FURRING		

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C110	DEMOLITION PLAN			
C200	OVERALL SITE PLAN			
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C301	GRADING PLAN			
C302	FLOOD ROUTING PLAN			
C310	STORM SEWER PLAN AND PROFILES			
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C312	STORM SEWER PLAN AND PROFILES			
C313	STORM SEWER PLAN AND PROFILES AND DATA TABLES			
C401	UTILITY PLAN			
C501	EROSION CONTROL PLAN			
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C611	IAWC WATER INSTALLATION DETAILS AND NOTES			
C612	IAWC WATER INSTALLATION DETAILS AND NOTES			
L100	LANDSCAPE PLAN			
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GENERAL NOTES

- A. SEE SHEET 0001 FOR GRAPHIC SYMBOL LEGEND.
- B. SEE SHEET A001 FOR GENERAL PARTITION NOTES.
- C. SEE SHEET A701 FOR GENERAL FINISH NOTES.
- D. COORDINATE WORK OF ALL TRADES PRIOR TO STARTING CONSTRUCTION.
- E. ALL DIMENSIONS ARE TO GRID LINES, FACE OF STUD FRAMING, FINISHED FACE OF EXISTING WALL SURFACE, OR FACE OF CONCRETE / MASONRY UNITS UNLESS NOTED OTHERWISE.
- F. THE CONTRACTOR AND SUBCONTRACTORS INVOLVED IN THIS PROJECT SHALL BE RESPONSIBLE FOR DESIGNING AND INSTALLING THEIR RESPECTIVE WORK AND SYSTEMS TO MEET ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, LAWS, SAFETY REGULATIONS, HAZARDOUS WASTE LAWS, ETC. THE CONTRACTOR SHALL FURNISH ALL NECESSARY PERMITS.
- G. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND UNDERSTAND THE SCOPE OF THE DRAWINGS TO BE THE FOLLOWING: THESE CONSTRUCTION DOCUMENTS (DRAWINGS, SPECIFICATIONS, ADDENDA, ETC.) INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPTS, THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS, AND THE MAJOR STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS. THE DOCUMENTS DO NOT AND ARE NOT INTENDED TO INDICATE OR DESCRIBE IN DETAIL ALL THE NECESSARY WORK REQUIRED FOR FULL PERFORMANCE OF, AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT ON THE BASIS OF THE GENERAL SCOPE INDICATED IN THESE DOCUMENTS. THE TRADE CONTRACTORS SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THEIR WORK. ALL WORK SHALL BE COMPLETE IN EVERY DETAIL AND THE CONTRACTORS SHALL PROVIDE A ONE YEAR WARRANTY FOR THEIR WORK.
- H. CONTRACTORS SHALL FOLLOW AND OBEY ALL FEDERAL, STATE AND LOCAL CODES, LAWS, SAFETY REGULATIONS AND HAZARDOUS WASTE LAWS, ETC.
- I. DO NOT SCALE DRAWINGS. DIMENSIONS SHALL GOVERN EACH BUILDING COMPONENT LOCATION. BRING ANY DISCREPANCIES TO THE ARCHITECT'S ATTENTION IN WRITING IMMEDIATELY.
- J. BUILDING FIRST FLOOR IS REFERENCE ELEVATION 100'-0". REFERENCE CIVIL DRAWINGS FOR U.S.G.S. ELEVATION.
- K. ALL WORK SHALL BE PERFORMED IN A SKILLED WORKMANSHIP TYPE AND MANNER ACCEPTABLE TO THE ARCHITECT AND OWNER.
- L. CAULK INTERSECTION BETWEEN DIFFERENT MATERIALS.
- M. CAULK TOILET FIXTURES AND COUNTERTOP SPLASHES TO FINISH SURFACE IN ACCORDANCE WITH SEALANT SCHEDULE IN SPECIFICATIONS.
- N. EXISTING CONDITIONS SHALL BE HELD VERIFIED PRIOR TO BIDDING OR BEGINNING OF WORK. ANY ERRORS OR OMISSIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IN WRITING IMMEDIATELY.
- O. COVER ALL RETURN AIR AND EXHAUST GRILLES WITH FILTER MEDIA FOR DURATION OF JOB AND CHANGE REGULARLY.

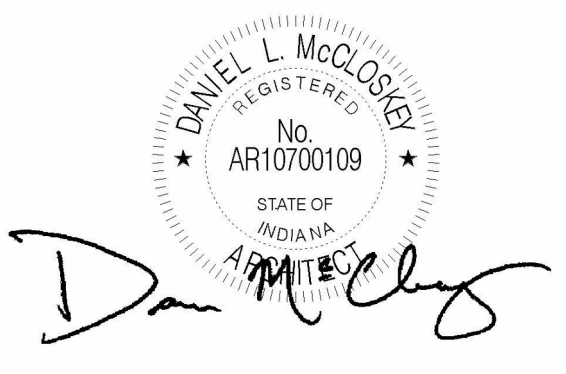


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PORTER COUNTY OFFICE BUILDING
PORTAGE, IN



CERTIFIED BY

ISSUANCE INDEX
DATE: 08.17.18
PROJECT PHASE: 100% CONSTRUCTION DOCUMENTS - BP1

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

Project Number 2017.01279

SHEET INDEX

G001

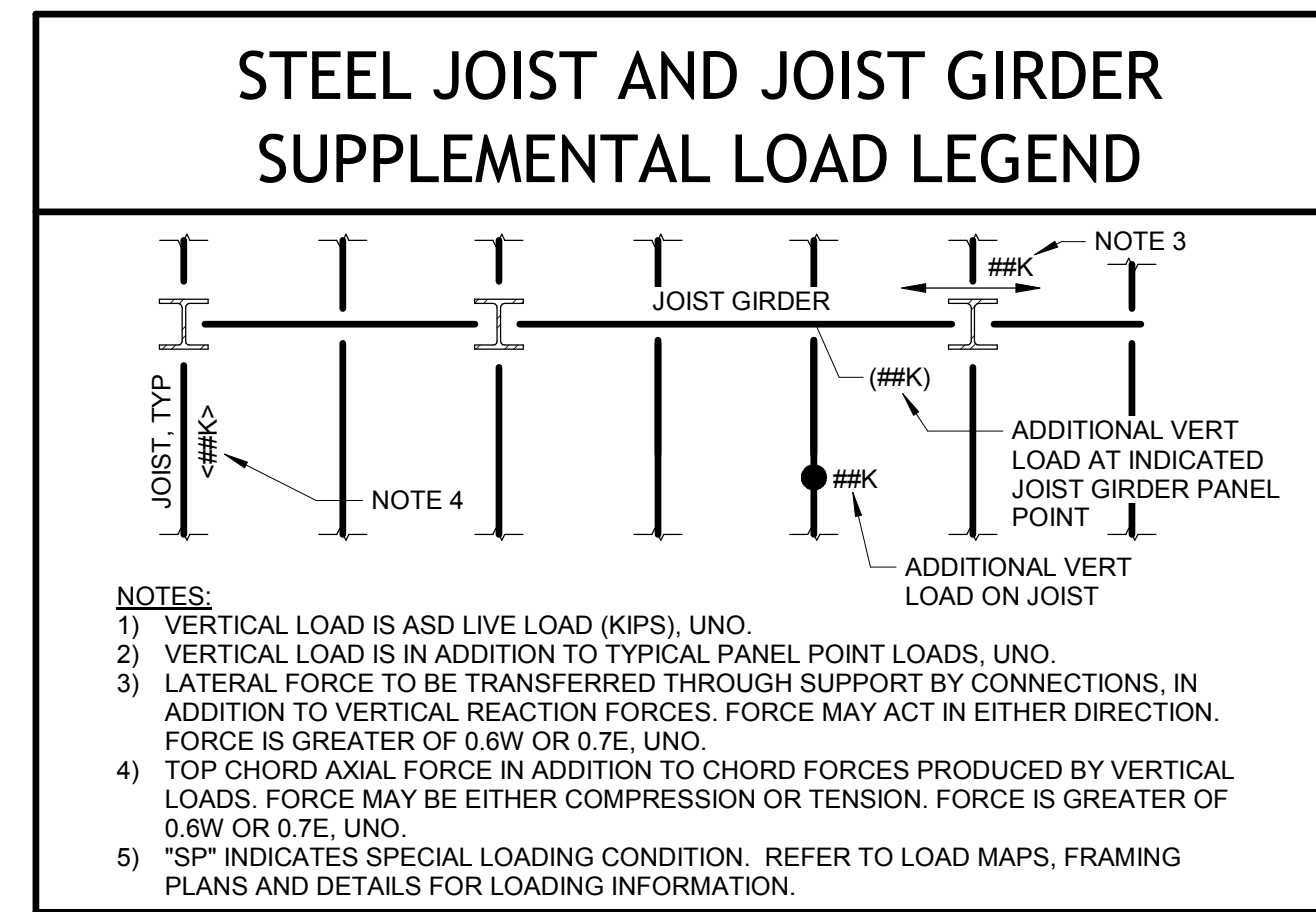
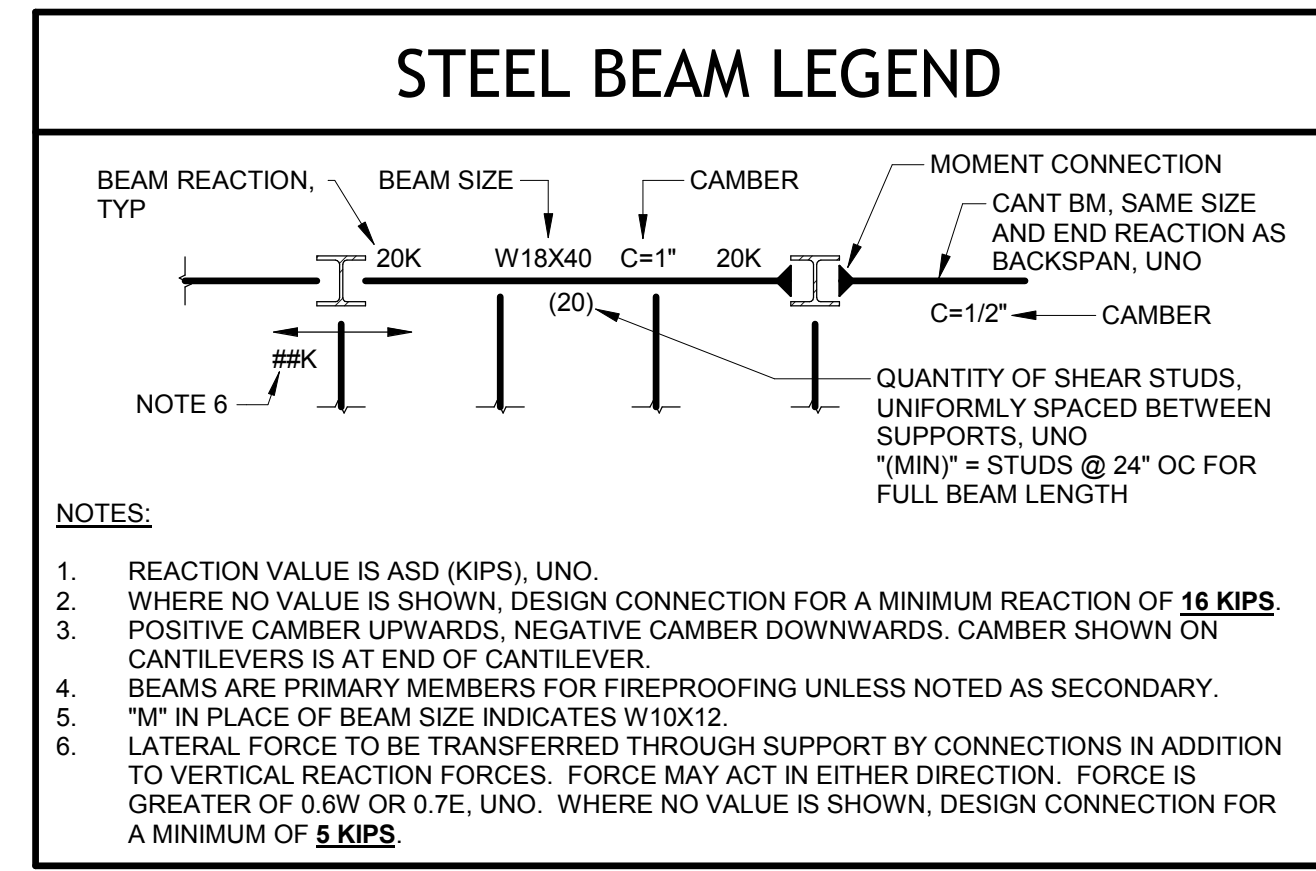
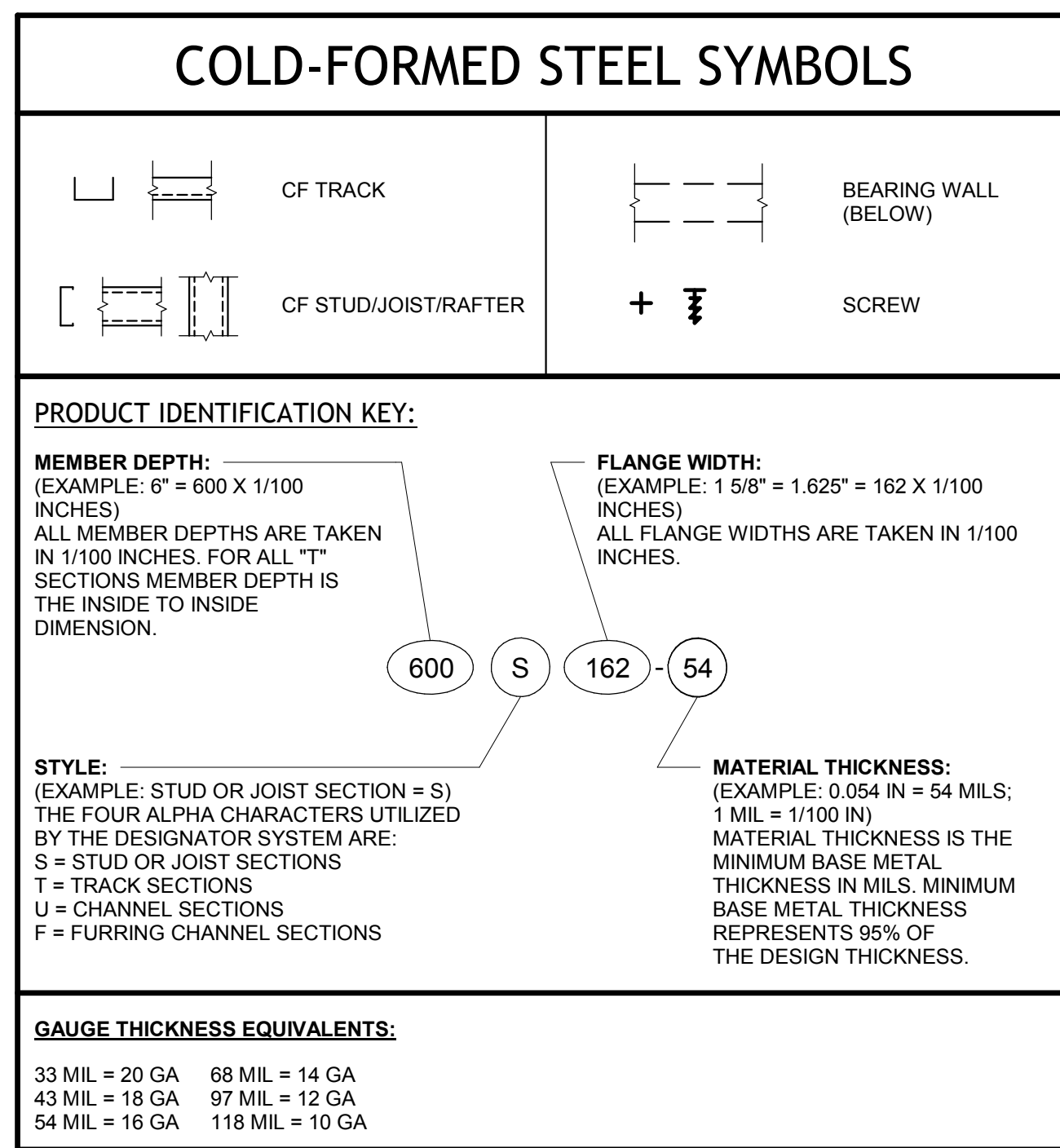
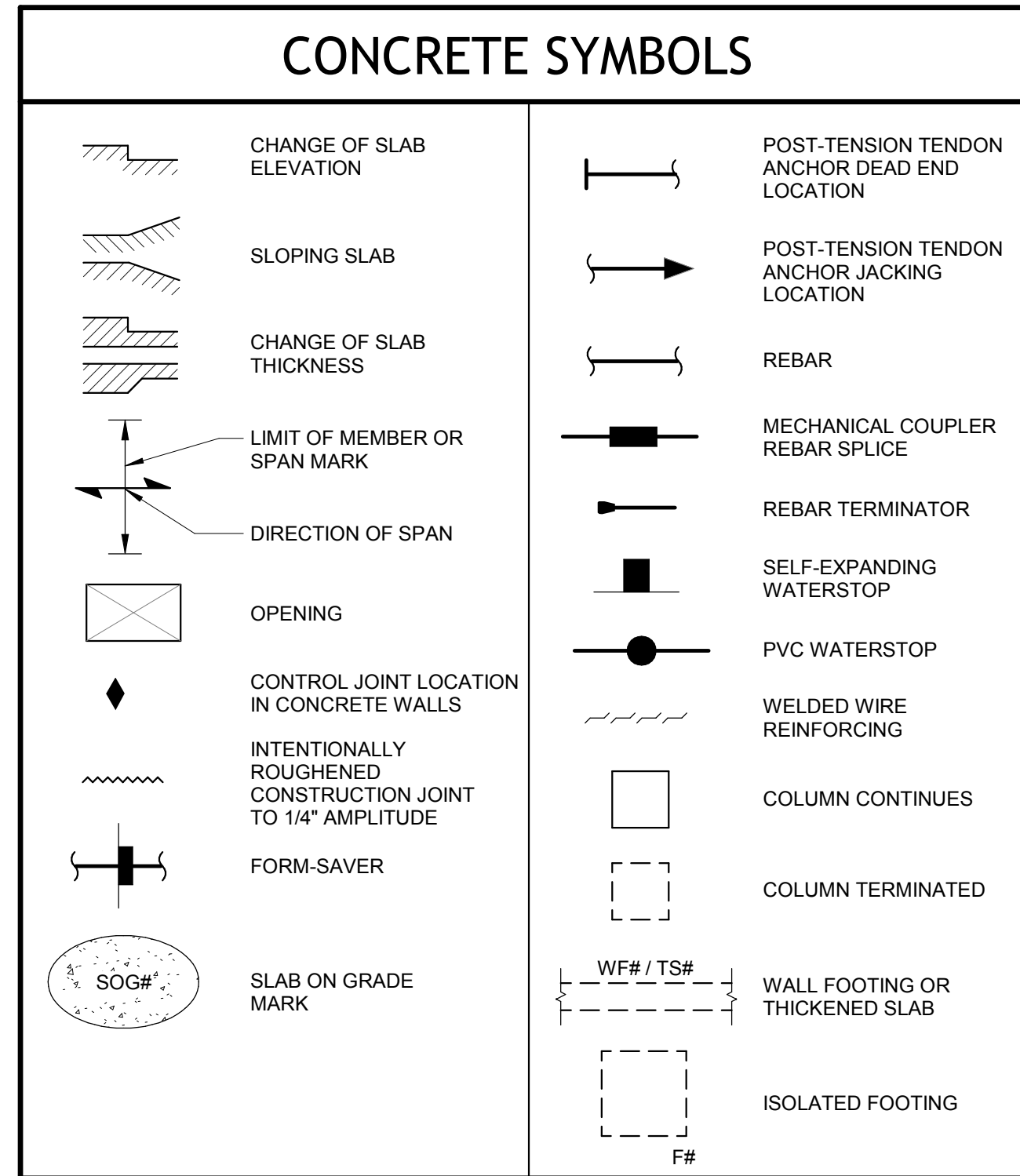
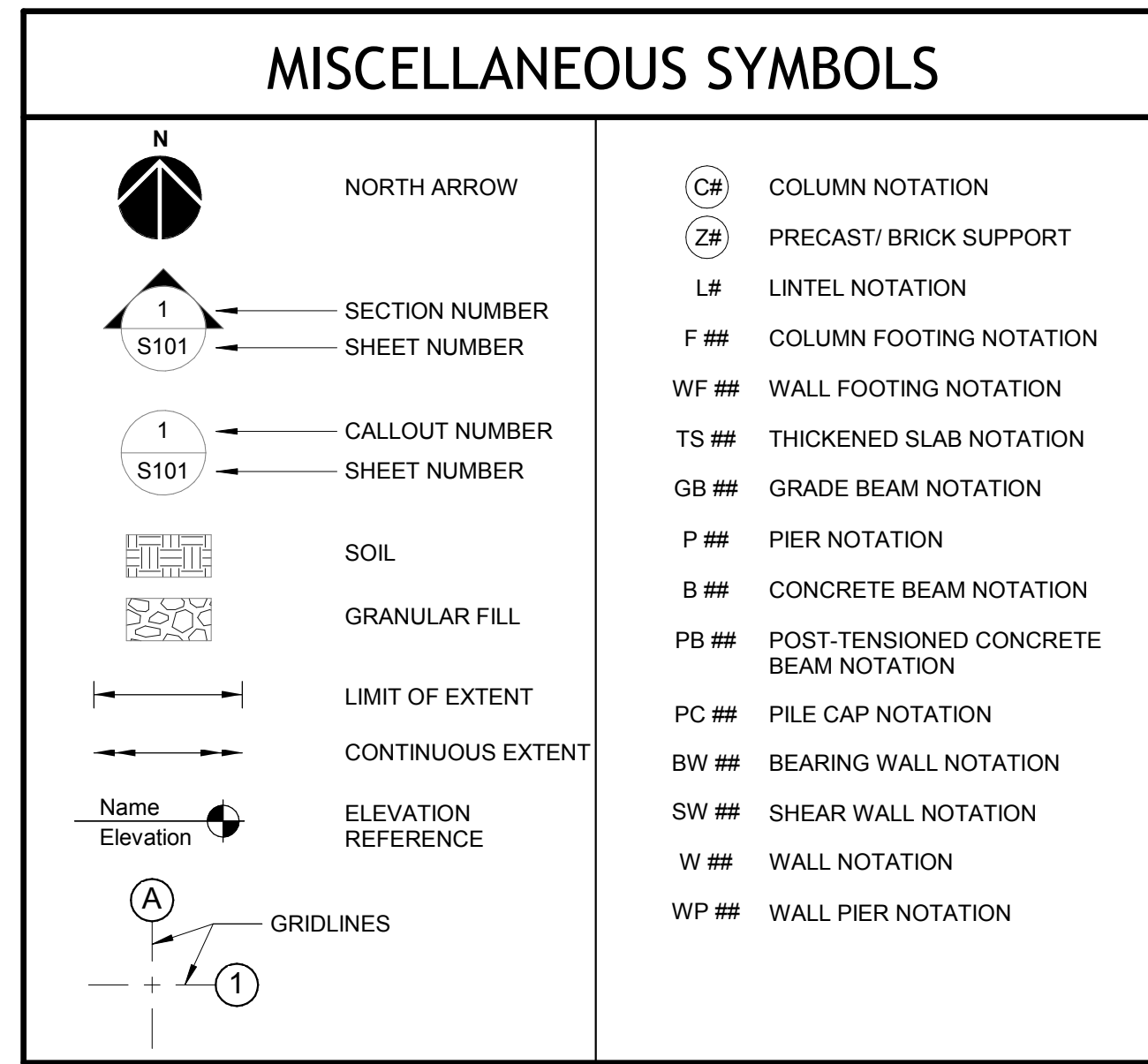
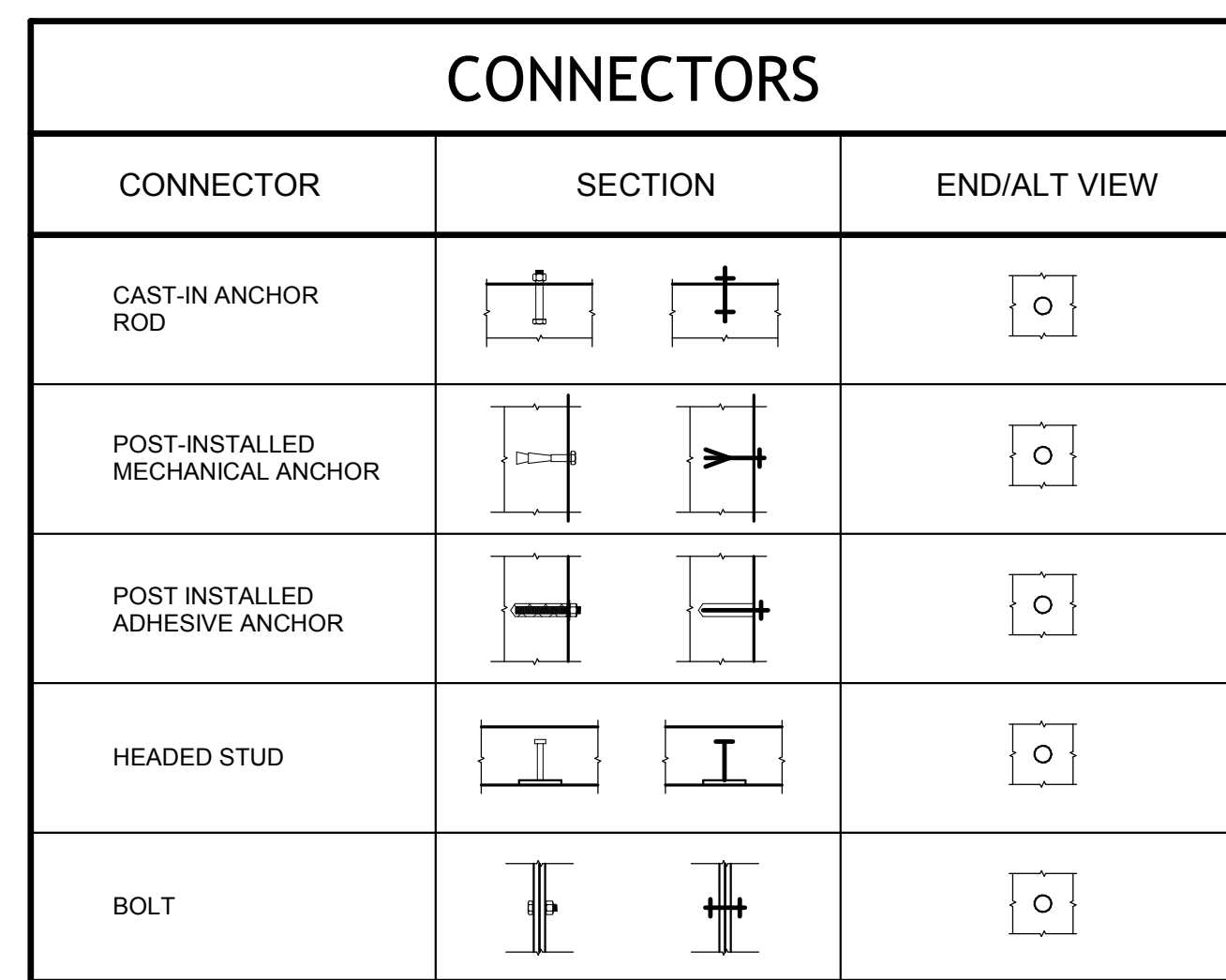
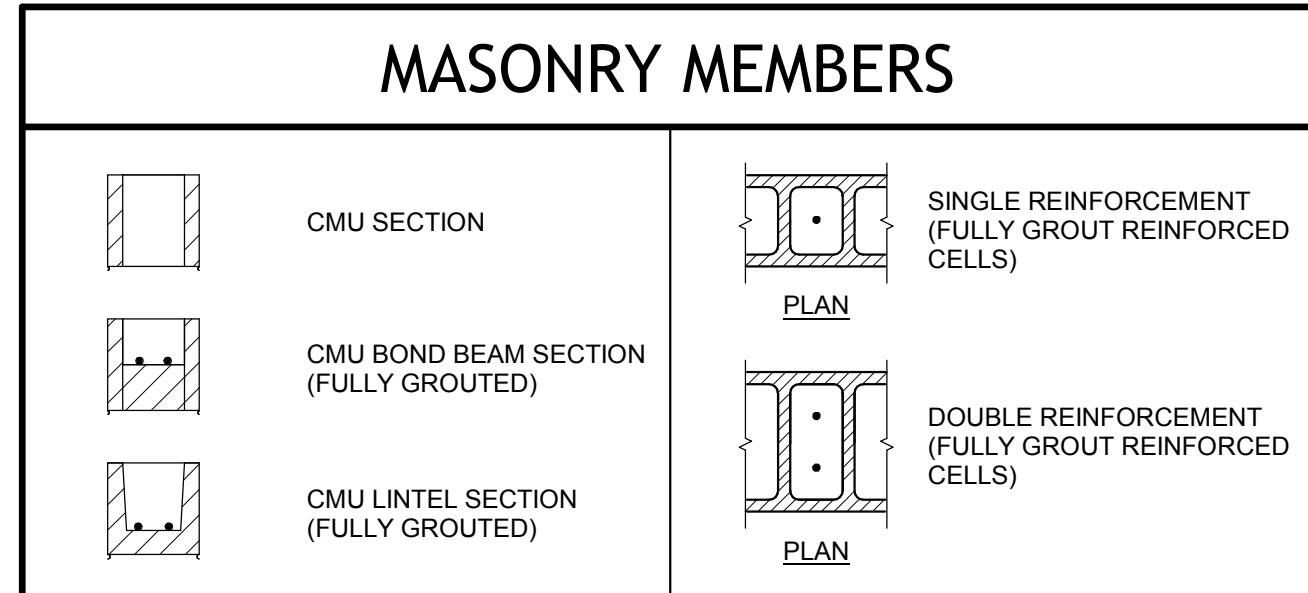
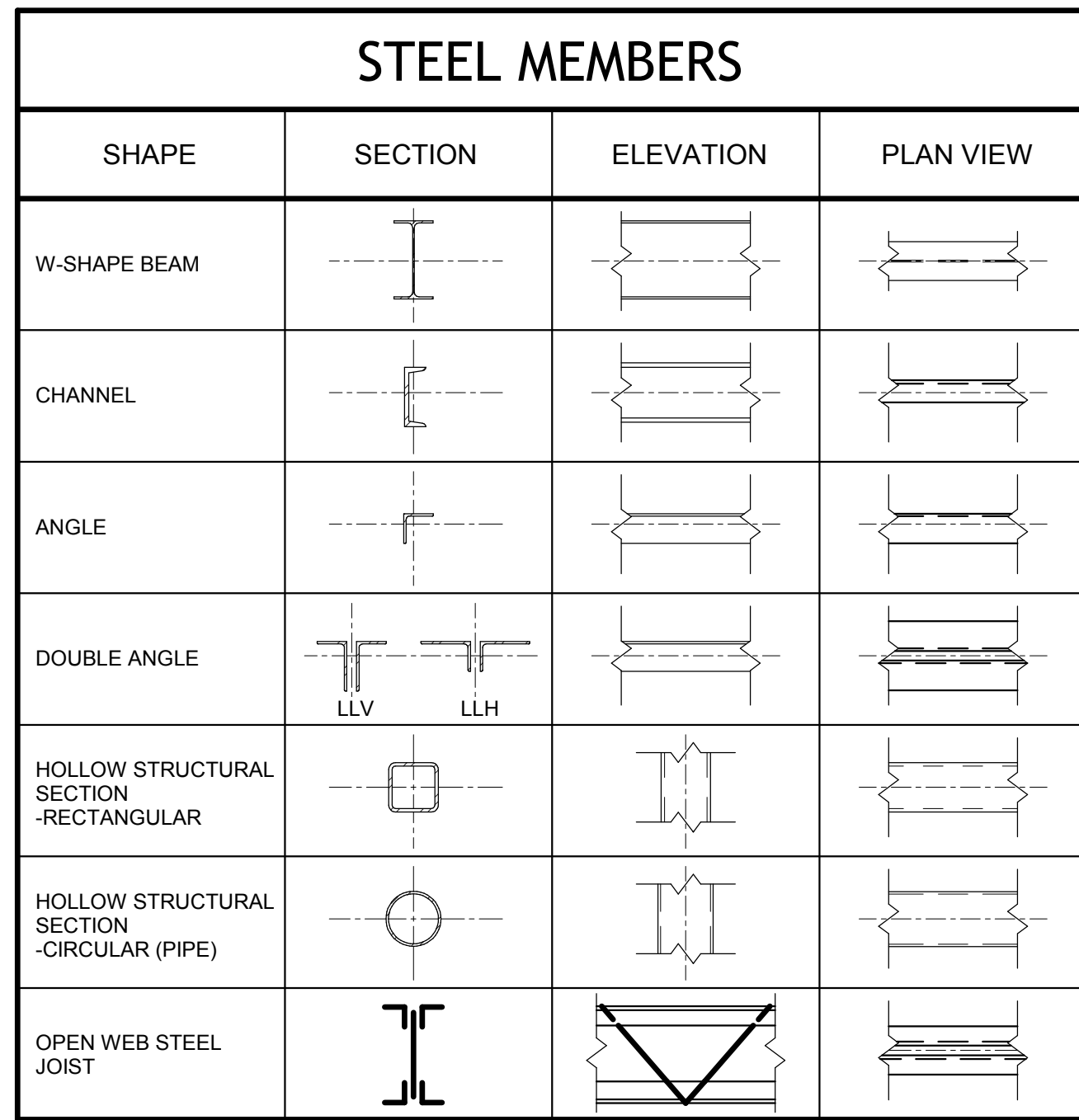
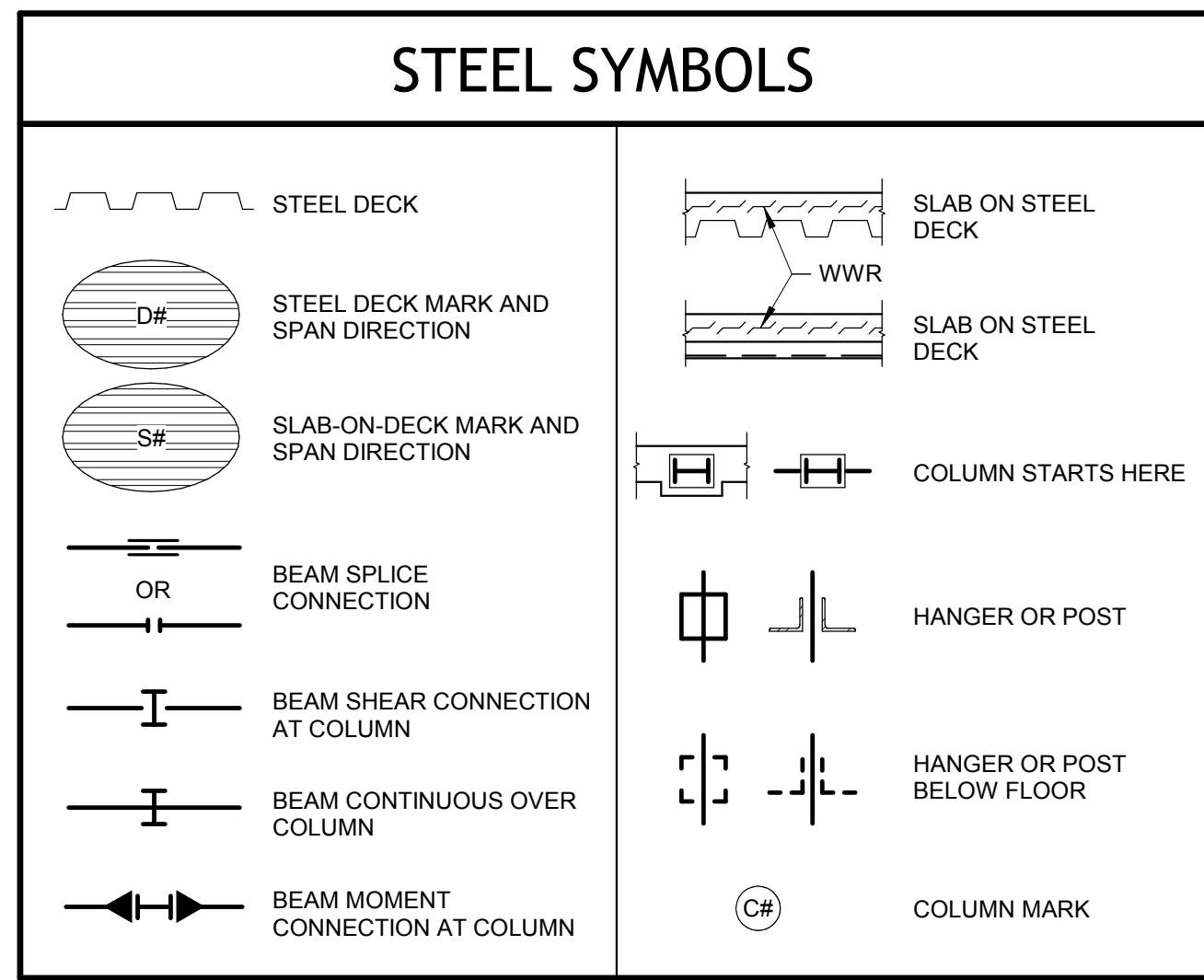
MATERIALS LEGEND

	ACOUSTICAL CEILING TILE		GRATING (SECTION)
	AIR BARRIER SYSTEM		GYP SUM WALL BOARD
	BATT INSULATION THERMAL OR ACOUSTICAL, UNO		INSULATED GLASS: (DETAIL)
	BRICK MASONRY		INSULATED GLASS: (SMALL SCALE)
	CARPET, CARPET TILE (DETAIL)		MEMBRANE: WATERPROOF, ROOF, DAMPPROOFING
	CONCRETE, CAST-IN-PLACE		METAL: ROLLED SHAPES
	CONCRETE, PRECAST/CAST STONE		METAL: TYPE AS NOTED
	CONCRETE MASONRY UNIT		PARTICLEBOARD
	EARTH		PLASTER ON METAL LATH
	EIFS		PLYWOOD
	GLASS FIBER REINFORCED CONCRETE SIDING OR TRIM		RESINOUS FLOORING: TERRAZO, TROWEL-ON, UNO
	GRANULAR FILL		RIGID INSULATION: THERMAL, ACOUSTICAL, OR SAFFING
	GRATING (PLAN)		SAND, GROUT AS NOTED

GRAPHIC LEGEND

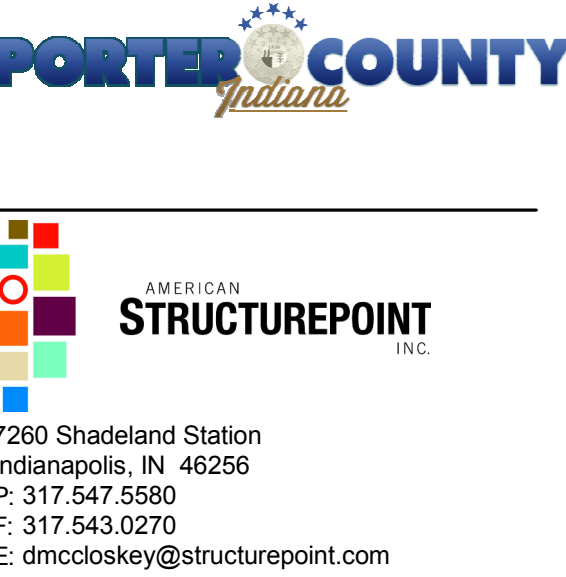
	COLUMN GRID EXISTING		WINDOW TAG
	COLUMN GRID NEW		DOOR TAG
	NORTH ARROW		KEYED NOTE
	WALL SECTION CUT REFERENCE		ELEVATION DATUM REFERENCE
	DRAWING NUMBER		REVISION REFERENCE
	SHEET NUMBER		WALL TYPE REFERENCE (REFERENCE INTERIOR PARTITION LEGEND)
	BUILDING SECTION CUT REFERENCE		EQUIPMENT TAG
	DRAWING NUMBER		
	SHEET NUMBER		
	EXTERIOR ELEVATION REFERENCE		
	DRAWING NUMBER		
	SHEET NUMBER		
	ENLARGED DRAWING REFERENCE		
	ROOM NAME AND NUMBER		

NOTE: PATTERNS SHOWN REPRESENT CUT MATERIALS IN PLAN OR SECTION, UNLESS NOTED OTHERWISE.



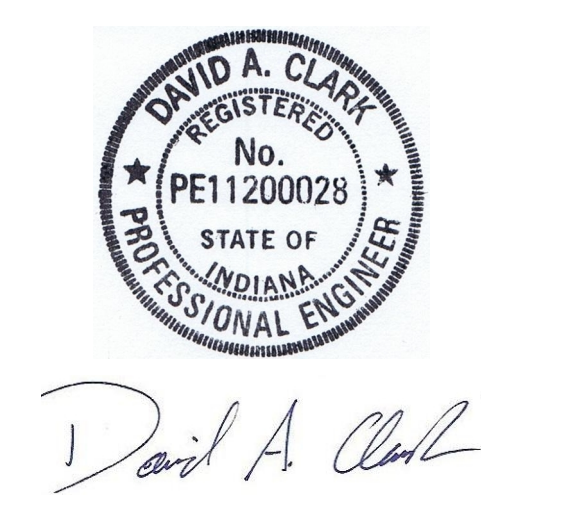
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PORTER COUNTY - TRUSTEES OFFICE

PORTAGE, IN



CERTIFIED BY

ISSUANCE INDEX

DATE: 08.20.18

PROJECT PHASE: 100% CONSTRUCTION DOCUMENTS - BP1

REVISION SCHEDULE

NO.	DESCRIPTION	DATE

Project Number 2017.01279

ABBREVIATIONS AND SYMBOLS

S001

SPECIAL INSPECTION SERVICES SCHEDULE - STEEL CONSTRUCTION

REFER TO IBC 2012 CHAPTER 17 AND AISC 360-10

ITEM	TASK	APPLICABLE TO PROJECT (Y/N)	PERFORM OR OBSERVE	REFERENCE
WELDED MEMBERS				
PRIOR TO WELDING:				
WELDING PROCEDURE SPECIFICATIONS	VERIFY CONTRACTOR MAINTAINS WELDING PROCEDURE SPECIFICATIONS READY TO BE BILLED FOR ALL TYPES OF WELDS PERFORMED ON THE PROJECT	Y	PERFORM	AISC 360 TABLE N5.4-1
WELD MATERIAL CERTIFICATIONS	VERIFY MATERIAL CERTIFICATIONS ARE AVAILABLE FOR ALL CONSUMABLE WELDING MATERIALS	Y	PERFORM	AISC 360 TABLE N5.4-1
WELD MATERIAL IDENTIFICATION	VERIFY ALL WELD MATERIALS ARE PROPERLY MARKED WITH VALID TYPE/GRADE IDENTIFICATION	Y	OBSERVE	AISC 360 TABLE N5.4-1
WELDER IDENTIFICATION SYSTEM	VERIFY FABRICATOR/ERECTOR AS APPLICABLE MAINTAINS RECORDS OF WHO WELDED EVERY JOINT	Y	OBSERVE	AISC 360 TABLE N5.4-1
FIT-UP OF GROOVE WELDS	INSPECT FOR PROPER FIT-UP INCLUDING JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACKING, AND BACKING (WHERE BACKING IS APPLICABLE)	Y	OBSERVE	AISC 360 TABLE N5.4-1
ACCESS HOLES	INSPECT FOR CONFIGURATION AND FINISH OF ACCESS HOLES	Y	OBSERVE	AISC 360 TABLE N5.4-1
FIT-UP OF FILLET WELDS	INSPECT FOR PROPER FIT-UP INCLUDING DIMENSIONS, CLEANLINESS, AND TACKING	Y	OBSERVE	AISC 360 TABLE N5.4-1
DURING WELDING:				
QUALIFIED WELDERS	VERIFY USE OF QUALIFIED WELDERS	Y	OBSERVE	AISC 360 TABLE N5.4-2
WELDING CONSUMABLES	INSPECT FOR PROPER PACKAGING, STORAGE AND PROTECTION	Y	OBSERVE	AISC 360 TABLE N5.4-2
TACK WELDS	VERIFY NO WELDING OCCURS OVER CRACKED TACK WELDS	Y	OBSERVE	AISC 360 TABLE N5.4-2
FIELD CONDITIONS	VERIFY WIND SPEED WITHIN LIMITS AND PROPER PROTECTION/PREPARATION FOR PRECIPITATION AND TEMPERATURE	Y	OBSERVE	AISC 360 TABLE N5.4-2
WELDING PROCEDURE SPECIFICATION (NOTE 2 - SEE AISC 360)	VERIFY WELDING PROCEDURE SPECIFICATIONS ARE FOLLOWED	Y	OBSERVE	AISC 360 TABLE N5.4-2
WELDING TECHNIQUES	VERIFY EACH PASS MEETS PROFILE LIMITATIONS AND QUALITY REQUIREMENTS, INTERPASS AND FINAL CLEANING	Y	OBSERVE	AISC 360 TABLE N5.4-2
COMPOSITE BEAM HEADED STUD ANCHORS	INSPECT FOR PROPER PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	N	OBSERVE	
AFTER WELDING:				
WELDS CLEANED	VERIFY PROPER CLEANING OF COMPLETED WELDS	Y	OBSERVE	AISC 360 TABLE N5.4-3
SIZE, LENGTH, LOCATION, AND VISUAL ACCEPTANCE CRITERIA (NOTE 3 - SEE AISC 360)	INSPECT WELDS TO CONFIRM PROPER SIZE, LENGTH, LOCATION AND VISUAL ACCEPTANCE CRITERIA (CRACK PROHIBITION, WELD/BASE METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT POROSITY) AS FOLLOWS:			AISC 360 TABLE N5.4-3
	VISUALLY INSPECT AND VERIFY ULTRASONIC TESTING IS PERFORMED FOR 100% OF ALL CJP WELDS	Y	PERFORM	
	VISUALLY INSPECT 100% OF ALL CJP WELDS	Y	PERFORM	
	VISUALLY INSPECT 100% OF WELDS IN LATERAL LOAD RESISTING MOMENT FRAMES AND BRACED FRAMES	Y	PERFORM	
	VISUALLY INSPECT 20% OF ALL FILLET WELDS NOT IN LATERAL LOAD RESISTING MOMENT FRAMES AND BRACED FRAMES	Y	PERFORM	
ARC STRIKES	VISUALLY INSPECT TO CONFIRM NO ARC STRIKES	Y	PERFORM	AISC 360 TABLE N5.4-3
K-AREA WELDING	VISUALLY INSPECT ALL DOUBLER PLATES, CONTINUITY PLATES AND STIFFENER PLATES WHERE WELDING OCCURS WITHIN THE K-AREA OF THE STEEL SECTION TO CONFIRM NO CRACKS IN THE MEMBER WEB	Y	PERFORM	AISC 360 TABLE N5.4-3
BACKING AND WELD TABS REMOVED	VISUALLY INSPECT TO CONFIRM PROPER REMOVAL OF ALL BACKING REMOVED. VERIFY ALL WELD TABS REMOVED (IF REQUIRED)	Y	PERFORM	AISC 360 TABLE N5.4-3
REPAIRS	VERIFY APPROVED REPAIRS OF NON-CONFORMING ITEMS (WHEN REQUIRED) ARE PROPERLY COMPLETED	Y	PERFORM	AISC 360 TABLE N5.4-3
DOCUMENTATION	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED CONNECTIONS	Y	PERFORM	AISC 360 TABLE N5.4-3
BOLTED MEMBERS				
PRIOR TO BOLTING:				
MATERIAL CERTIFICATIONS	VERIFY MANUFACTURER'S CERTIFICATIONS ARE AVAILABLE FOR FASTENER MATERIALS	Y	PERFORM	AISC 360 TABLE N5.6-1
FASTENER MARKINGS	VERIFY FASTENERS ARE MARKED PER ASTM STANDARDS	Y	OBSERVE	AISC 360 TABLE N5.6-1
FASTENER SELECTIONS	VERIFY CORRECT GRADE, TYPE, AND SUFFICIENT LENGTH FOR THREADS EXCLUDED FROM THE SHEAR PLANE (ONLY WHERE SPECIFICALLY INDICATED)	Y	OBSERVE	AISC 360 TABLE N5.6-1
BOLTING PROCEDURE	VERIFY PROPER BOLTING PROCEDURE FOR THE JOINT	Y	OBSERVE	AISC 360 TABLE N5.6-1
CONNECTING ELEMENTS	VERIFY CONNECTING ELEMENTS, INCLUDING FAYING SURFACES AND HOLE PREPARATION (IF SPECIFIED) MEET APPLICABLE REQUIREMENTS	Y	OBSERVE	AISC 360 TABLE N5.6-1
PRE-INSTALLATION VERIFICATION	VERIFY PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL IS OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	Y	OBSERVE	AISC 360 TABLE N5.6-1
PROPER STORAGE	VERIFY PROPER STORAGE OF BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	Y	OBSERVE	AISC 360 TABLE N5.6-1
DURING BOLTING:				
PROPER POSITIONING	VERIFY ALL FASTENING ELEMENTS ARE PROPERLY POSITIONED IN THE JOINT PRIOR TO TIGHTENING	Y	OBSERVE	AISC 360 TABLE N5.6-2
BOLT TIGHTENING	VERIFY COMPONENT NOT TURNED BY THE WRENCH IS PREVENTED FROM ROTATING DURING TIGHTENING	Y	OBSERVE	AISC 360 TABLE N5.6-2
PRETENSIONED BOLTS SNUG TIGHTENED	VERIFY ALL BOLTS AT A CONNECTION TO BE PRETENSIONED ARE FIRST BROUGHT INTO SNUG-TIGHT CONDITION PRIOR TO START OF PRE-TENSIONING	Y	OBSERVE	AISC 360 TABLE N5.6-2
PRETENSIONED BOLTS TIGHTENING	VERIFY FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS	Y	OBSERVE	AISC 360 TABLE N5.6-2
AFTER BOLTING:				
DOCUMENTATION	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	Y	PERFORM	AISC 360 TABLE N5.6-3
STEEL FRAMING (GENERAL)				
COLUMN BASES	INSPECT INSTALLATION OF ALL BASE PLATES FOR PROPER ANCHORAGE (INCLUDING WELDED PLATE WASHERS WHERE INDICATED) AND GROUTING BENEATH BASE PLATE	Y	PERFORM	
COLUMN SPLICES	INSPECT ALL COLUMN SPLICES TO CONFIRM THAT GAPS BETWEEN BEARING ELEMENTS DO NOT EXCEED 1/16-INCH	N	PERFORM	
BEAM GIRDER AND COLUMN MEMBERS	INSPECT FOR CONFORMANCE WITH REQUIRED SIZE, SPACING AND CONNECTION REQUIREMENTS	Y	PERFORM	
ROOF AND FLOOR DECK/SLAB EDGE SUPPORTS	INSPECT SUPPORT MATERIALS FOR PROPER SIZE, POSITIONING AND CONNECTIONS	Y	PERFORM	
BRACED FRAMES AND MOMENT FRAMES	INSPECT INSTALLATION OF ALL MEMBERS AND CONNECTIONS IN BRACED FRAMES AND MOMENT FRAMES FOR PROPER SIZE, POSITIONING AND CONNECTIONS	Y	PERFORM	
COMPOSITE STEEL FRAMING				
	INSPECT COMPOSITE STEEL FRAMING PRIOR TO PLACEMENT OF CONCRETE AS FOLLOWS:			
	VERIFY PROPER PLACEMENT AND INSTALLATION OF STEEL DECK	N	PERFORM	AISC 360 TABLE N6.1
	INSPECT DIAMETER, LENGTH, QUANTITY AND POSITIONING OF STEEL HEADED STUD ANCHORS	N	PERFORM	AISC 360 TABLE N6.1
	RING TEST 100% OF HEADED STUD ANCHORS WITH A 3 LB HAMMER	N	PERFORM	
	BEND TEST QUESTIONABLE HEADED STUD ANCHORS TO 15 DEGREES	N	PERFORM	
	DOCUMENT ACCEPTANCE OR REJECTION OF COMPOSITE STEEL FRAMING ELEMENTS	N	PERFORM	
STEEL GRATING				
	INSPECT STEEL GRATING AS FOLLOWS:			
	VERIFY PROPER SIZE, TYPE AND FINISH	N	PERFORM	
	VERIFY PROPER ATTACHMENTS TO SUPPORTING STRUCTURE(S)	N	PERFORM	
NOTES:				
1. SEE CONTRACT DOCUMENTS FOR WELDING REQUIREMENTS. SEE AISC 360 FOR ADDITIONAL INFORMATION.				
2. SEE AISC 360 FOR SPECIFIC REQUIRED ELEMENTS OF WELD PROCEDURE SPECIFICATION.				
3. SEE AISC 360 FOR SPECIFIC REQUIRED VISUAL ACCEPTANCE CRITERIA.				
4. "OBSERVE" REQUIRES OBSERVATION ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.				
5. "PERFORM" REQUIRES TASKS TO BE PERFORMED FOR EACH OPERATION, JOINT OR MEMBER AS APPLICABLE.				

SPECIAL INSPECTIONS BASIC SERVICES - SOILS AND EARTHWORK

REFER TO IBC 2012 CHAPTER 17 TABLE 1705.6

ITEM	TASK	APPLICABLE TO PROJECT (Y/N)	FREQUENCY	REFERENCE
BEARING SOILS FOR SHALLOW FOUNDATIONS	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	Y	PERIODIC	
EXCAVATIONS	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	Y	PERIODIC	
FILL MATERIALS	VERIFY CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS IS PERFORMED	Y	PERIODIC	
FILL MATERIAL PLACEMENT	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	Y	CONTINUOUS	
SUBGRADE PREPARATION	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	Y	PERIODIC	
BACKFILL AT BELOW-GRADE WALLS	VERIFY THAT BELOW-GRADE WALLS WITH UNEVEN BACKFILL CONDITIONS ARE NOT BACKFILLED UNTIL FLOOR CONSTRUCTION AT TOPS OF WALLS (OR OTHER PERMANENT BRACING WHERE APPLICABLE) IS COMPLETE OR TEMPORARY BRACING IS PROVIDED	Y	PERIODIC	

SPECIAL INSPECTIONS BASIC SERVICES - CONCRETE CONSTRUCTION

REFER TO IBC 2012 CHAPTER 17 TABLE 1705.3 AND ACI 318-11

ITEM	TASK	APPLICABLE TO PROJECT (Y/N)	FREQUENCY	REFERENCE
REINFORCEMENT	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS (WHERE APPLICABLE) AND VERIFY CORRECT PLACEMENT	Y	PERIODIC	ACI 318 SECTIONS 3.5 AND 7.1 THROUGH 7.7; IBC 1910.4
REINFORCING BAR WELDING	VERIFY WELDABILITY OF BARS OTHER THAN ASTM A706	Y	PERIODIC	AWS D1.4, ACI 318 SECTION 3.5.2
ANCHORS AND EMBEDDED ITEMS CAST IN CONCRETE	INSPECT ALL ANCHORS AND EMBEDDED ITEMS FOR PROPER SIZE, TYPE, QUANTITY, LOCATION, POSITION, PROJECTION AND EMBEDMENT	Y	PERIODIC	ACI 318 SECTIONS 3.8.6, 8.1.3, 21.2.8; IBC 1908.5, 1909.1
ANCHORS POST-INSTALLED IN HARDENED CONCRETE	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	Y	PERIODIC	ACI 318 SECTIONS 3.8.6, 8.1.3, 21.2.8; IBC 1909.1
CONCRETE MIX	VERIFY USE OF REQUIRED CONCRETE MIX AT EACH APPLICATION	Y	PERIODIC	ACI 318 CHAPTER 4, SECTIONS 5.2 THROUGH 5.4; IBC 1904.2, 1910.2, 1910.3
CONCRETE TESTING	PERFORM CONCRETE SAMPLING AND TESTING IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS	Y	CONTINUOUS	ASTM C172, ASTM C31, ACI 318 5.6, 5.8; IBC 1910.10
CONCRETE PLACEMENT	INSPECT FOR PROPER PLACEMENT TECHNIQUES	Y	CONTINUOUS	ACI 318 SECTIONS 5.9, 5.10; IBC 1910.6, 1910.7, 1910.8
SHOTCRETE PLACEMENT	INSPECT FOR PROPER APPLICATION TECHNIQUES	N	CONTINUOUS	ACI 318 SECTIONS 5.9, 5.10; IBC 1910.6, 1910.7, 1910.8
CONCRETE CURING	VERIFY MAINTENANCE OF PROPER CONCRETE TEMPERATURE AND CURING TECHNIQUES	Y	PERIODIC	ACI 318 SECTIONS 5.11 THROUGH 5.13; IBC 1910.9
PRESTRESSED CONCRETE	INSPECT FOR PROPER APPLICATION OF PRESTRESSING FORCES	N	CONTINUOUS	ACI 318 SECTION 18.20
PRESTRESSED CONCRETE	INSPECT FOR PROPER GROUTING OF BONDED PRESTRESSING TENDONS	N	CONTINUOUS	ACI 318 SECTION 18.18.4
ERECTION OF PRECAST CONCRETE MEMBERS	VERIFY WELDING PROCEDURE SPECIFICATIONS ARE FOLLOWED	N	PERIODIC	ACI CHAPTER 16
ERECTION OF PRECAST CONCRETE MEMBERS	INSPECT ALL CONNECTIONS OF THE PRECAST ELEMENTS TO THE FOUNDATIONS FOR CONFORMANCE TO THE CONTRACT DOCUMENTS	N	PERIODIC	ACI CHAPTER 16
ERECTION OF PRECAST CONCRETE MEMBERS	INSPECT ALL CONNECTIONS OF THE PRECAST ELEMENTS TO THE STRUCTURAL FRAMING FOR CONFORMANCE TO THE CONTRACT DOCUMENTS	N	PERIODIC	ACI CHAPTER 16
IN-SITU CONCRETE STRENGTH - PRE-STRESSING	VERIFY IN-PLACE CONCRETE STRENGTH PRIOR TO STRESSING TENDONS IN POST-TENSIONED CONCRETE	N	PERIODIC	ACI 318 SECTION 6.2
IN-SITU CONCRETE STRENGTH - FORMS AND SHORES	VERIFY IN-PLACE CONCRETE STRENGTH PRIOR TO REMOVAL OF FORMS AND SHORES FROM BEAMS AND STRUCTURAL SLABS	N	PERIODIC	ACI 318 SECTION 6.2
FORMWORK	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	Y	PERIODIC	ACI 318 SECTION 6.1.1
WATER STOPS	VERIFY ALL WATER STOPS ARE PROPERLY INSTALLED AND ANCHORED INTO POSITION PRIOR TO PLACEMENT OF CONCRETE	N	PERIODIC	

SPECIAL INSPECTION SERVICES SCHEDULE - COLD-FORMED STEEL DECK

REFER TO IBC 2012, CHAPTER 17

ITEM	TASK	APPLICABLE TO PROJECT (Y/N)	FREQUENCY	REFERENCE
PRIOR TO DECK PLACEMENT:				
MATERIAL COMPLIANCE	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES AND BASE METAL THICKNESS	Y	PERIODIC	AWS D1.3, SDI C, NC AND R (AS APPLICABLE)
MATERIAL ACCEPTANCE	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	Y	PERIODIC	
AFTER DECK PLACEMENT:				
STEEL DECK INSTALLATION	VERIFY PROPER INSTALLATION OF STEEL DECK AND ACCESSORIES	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
MATERIAL MILL CERTIFICATIONS	VERIFY DECK MATERIALS ARE REPRESENTED BY APPROPRIATE MILL CERTIFICATIONS	Y	PERIODIC	
INSTALLATION ACCEPTANCE	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES INSTALLATION	Y	PERIODIC	
PRIOR TO WELDING:				
WELDING PROCEDURE SPECIFICATION(S)	VERIFY WELDING PROCEDURE SPECIFICATION (WPS) AVAILABLE	Y	PERIODIC	AWS D1.3, SDI C, NC AND R (AS APPLICABLE)
WELDING CONSUMABLES MANUFACTURER CERTIFICATIONS	VERIFY MANUFACTURER'S CERTIFICATIONS ARE AVAILABLE FOR WELDING CONSUMABLES	Y	PERIODIC	AWS D1.3, SDI C, NC AND R (AS APPLICABLE)
WELDING MATERIAL TYPE/GRADE	VERIFY WELDING MATERIAL TYPE/GRADE	Y	PERIODIC	AWS D1.3, SDI C, NC AND R (AS APPLICABLE)
WELDING EQUIPMENT	VERIFY WELDING EQUIPMENT IN GOOD WORKING ORDER	Y	PERIODIC	AWS D1.3, SDI C, NC AND R (AS APPLICABLE)
DURING WELDING:				
QUALIFIED WELDERS	VERIFY USE OF QUALIFIED WELDERS	Y	PERIODIC	AWS D1.3
WELDING CONSUMABLES	VERIFY PROPER CONTROL AND HANDLING OF WELDING CONSUMABLES	Y	PERIODIC	AWS D1.3
ENVIRONMENTAL CONDITIONS	DOCUMENT ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE) ARE ACCEPTABLE	Y	PERIODIC	AWS D1.3
WPS FOLLOWED	VERIFY PROPER WPS IS FOLLOWED DURING WELDING	Y	PERIODIC	AWS D1.3
AFTER WELDING:				
FIELD WELDING	INSPECT FIELD WELDS FOR PROPER SIZE, LOCATION, PATTERN, AND SPACING FOR ALL WELDS	Y	PERIODIC	AWS D1.3, SDI C, NC AND R (AS APPLICABLE)
VISUAL ACCEPTANCE	VERIFY WELDS MEET VISUAL ACCEPTANCE CRITERIA	Y	PERIODIC	AWS D1.3, SDI C, NC AND R (AS APPLICABLE)
REPAIR ACTIVITIES	VERIFY DEFICIENT WELDS ARE PROPERLY REPAIRED	Y	PERIODIC	AWS D1.3, SDI C, NC AND R (AS APPLICABLE)
WELD ACCEPTANCE	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	Y	PERIODIC	AWS D1.3, SDI C, NC AND R (AS APPLICABLE)
PRIOR TO MECHANICAL FASTENING:				
MANUFACTURER INSTRUCTIONS	VERIFY MANUFACTURER INSTALLATION INSTRUCTIONS ARE AVAILABLE FOR MECHANICAL FASTENERS	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
PROPER TOOLS	VERIFY PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
FASTENER STORAGE	VERIFY PROPER STORAGE FOR MECHANICAL FASTENERS	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
DURING MECHANICAL FASTENING:				
POSITIONING	VERIFY FASTENERS ARE POSITIONED AS REQUIRED (INCLUDING PROPER PATTERN, SPACING, ETC.)	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
INSTALLATION	VERIFY FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
AFTER MECHANICAL FASTENING:				
SUPPORT FASTENERS	VERIFY PROPER PATTERN, SPACING, TYPE AND INSTALLATION	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
PERIMETER FASTENERS	VERIFY PROPER PATTERN, SPACING, TYPE AND INSTALLATION	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
SIDLAP FASTENERS	VERIFY PROPER SPACING, TYPE AND INSTALLATION	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
REPAIR ACTIVITIES	VERIFY DEFICIENT FASTENERS ARE PROPERLY REPAIRED	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
FASTENER ACCEPTANCE	DOCUMENT ACCEPTANCE OR REJECTION OF FASTENERS	Y	PERIODIC	SDI C, NC AND R (AS APPLICABLE)
NOTES:				
1. "PERIODIC" REQUIRES OBSERVATION ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.				
2. "CONTINUOUS" REQUIRES TASKS TO BE CONTINUOUSLY PERFORMED FOR EACH OPERATION, CONNECTION OR MEMBER AS APPLICABLE.				
3. INSPECT FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS, INSTALLATION DRAWINGS, SHOP DRAWINGS, DESIGN DOCUMENTS, MANUFACTURER'S INSTRUCTIONS, AND APPLICABLE REFERENCED STANDARDS.				

SPECIAL INSPECTION

THE OWNER OR OWNER'S AGENT SHALL EMPLOY INDEPENDENT AGENCY(IES) OR INDIVIDUAL(S) TO PROVIDE SPECIAL INSPECTION FOR ITEMS AS INDICATED ON THE DRAWINGS.

SPECIAL INSPECTION IS A MANDATORY REQUIREMENT FOR VERIFYING CONFORMANCE OF THE INDICATED CONSTRUCTION. SPECIAL INSPECTION IS REQUIRED IN ADDITION TO ALL MATERIAL TESTS AND INSPECTIONS IDENTIFIED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.

THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON, WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER, FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

"PERIODIC" SPECIAL INSPECTION IS DEFINED AS "THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK."

"CONTINUOUS" SPECIAL INSPECTION IS DEFINED AS "THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED."

SUBMIT TO THE STRUCTURAL ENGINEER FOR REVIEW A MINIMUM OF 14 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ELEMENTS REQUIRING SPECIAL INSPECTION THE FOLLOWING:

1. NAME(S), ADDRESS(ES), TELEPHONE NUMBER(S), EMAIL ADDRESS(ES), AND STATEMENT(S) OF QUALIFICATIONS OF ALL SPECIAL INSPECTOR(S) TO BE ENGAGED ON THE PROJECT.
2. A LISTING OF ALL ITEMS TO RECEIVE SPECIAL INSPECTION, DESIGNATION WHETHER INSPECTIONS WILL BE CONTINUOUS OR PERIODIC, AND THE NAME OF THE INDIVIDUAL THAT WILL BE PERFORMING INSPECTION FOR EACH ITEM.

THE CONTRACTOR SHALL COORDINATE WITH THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF WORK REQUIRING SPECIAL INSPECTION AND SHALL PROVIDE ACCESS TO THE SITE AND TO THE CONSTRUCTION DOCUMENTS (CURRENT DRAWINGS AND SPECIFICATIONS) FOR THE SPECIAL INSPECTOR CARRY OUT THE REQUIRED OPERATIONS.

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK REQUIRING SPECIAL INSPECTION FOR CONFORMANCE TO THE CONSTRUCTION DOCUMENTS. ALL NON-CONFORMING WORK SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE IMMEDIATE ATTENTION OF THE OWNER OR OWNER'S AGENT AND STRUCTURAL ENGINEER.

THE SPECIAL INSPECTOR SHALL SUBMIT PERIODIC PROGRESS REPORTS TO THE OWNER OR OWNER'S AGENT, CONTRACTOR AND STRUCTURAL ENGINEER IDENTIFYING ALL SPECIAL INSPECTION OPERATIONS PERFORMED. REPORTS SHALL BE SUBMITTED NO MORE THAN 7 DAYS FOLLOWING EACH SPECIAL INSPECTION OPERATION. REPORTS SHALL IDENTIFY THE ITEM(S) INSPECTED AND AN INDICATION OF WHETHER THE INSPECTED ITEMS WERE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

AT THE COMPLETION OF ALL WORK REQUIRING SPECIAL INSPECTION, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE OWNER OR OWNER'S AGENT, CONTRACTOR AND STRUCTURAL ENGINEER STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

FAILURE TO PERFORM SPECIAL INSPECTION FOR THE INDICATED CONSTRUCTION OR FAILURE TO CORRECT NON-CONFORMING WORK SHALL CONSTITUTE A BASIS FOR REJECTION OF THE WORK AND REMOVAL AND REPLACEMENT BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, INCLUDING, BUT NOT LIMITED TO:

1. THE COST OF REMOVAL AND REPLACEMENT OF ALL WORK FOR WHICH SPECIAL INSPECTION WAS REQUIRED BUT NOT PERFORMED, INCLUDING THE COST OF TESTING AND SPECIAL INSPECTION FOR THE REPLACEMENT WORK.
2. THE COST OF ALL RELATED WORK MADE NECESSARY BY THE REMOVAL AND REPLACEMENT OF THE UNINSPECTED WORK PER ITEM 1 ABOVE.
3. THE COST FOR DESIGN PROFESSIONAL'S SERVICES RELATED TO ALL WORK FOR WHICH SPECIAL INSPECTION WAS REQUIRED BUT NOT PERFORMED AND SERVICES RELATED TO THE REPLACEMENT WORK.

PROVIDE SPECIAL INSPECTION FOR THE FOLLOWING CONSTRUCTION:

- SOILS AND EARTHWORK
- CONCRETE CONSTRUCTION
- STEEL CONSTRUCTION
- COLD-FORMED STEEL DECK

SEE TABLES ON THE DRAWINGS FOR SPECIAL INSPECTION PROGRAM REQUIREMENTS.



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PORTER COUNTY - TRUSTEES OFFICE

PORTAGE, IN



David A. Clark

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ISSUANCE INDEX

DATE:
08.20.18
PROJECT PHASE:
100% CONSTRUCTION DOCUMENTS - BP1

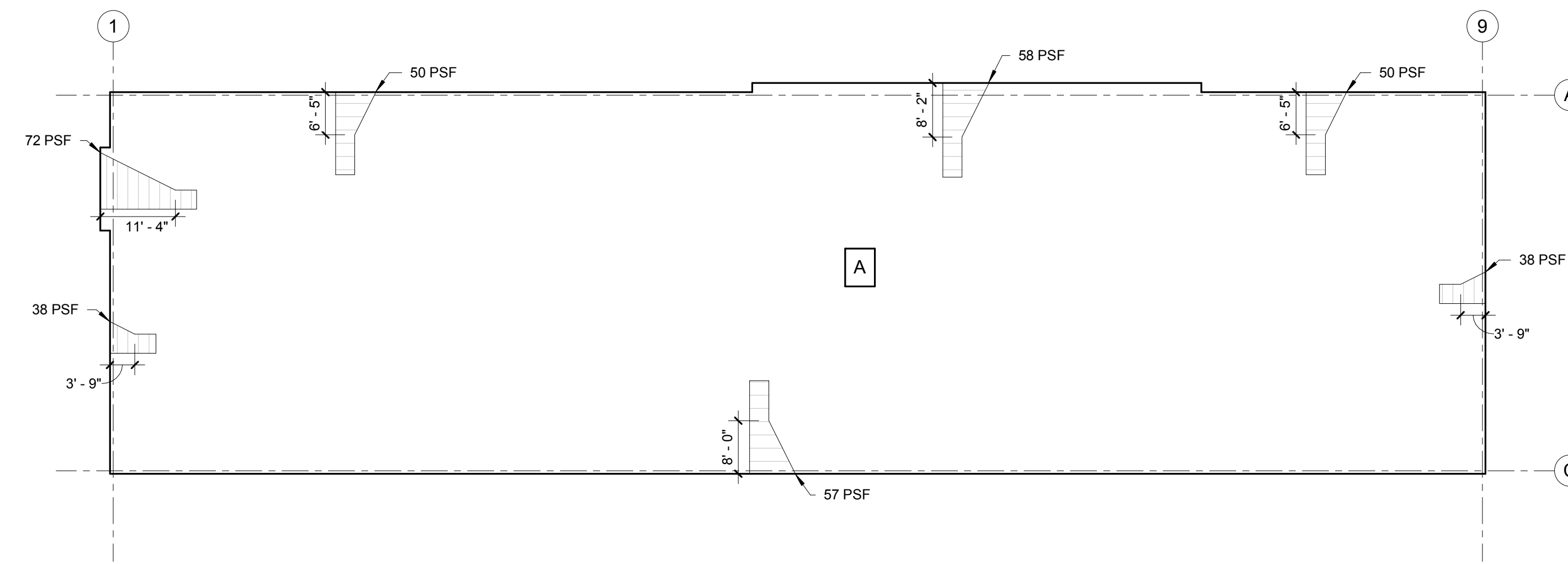
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NO.	DESCRIPTION	DATE

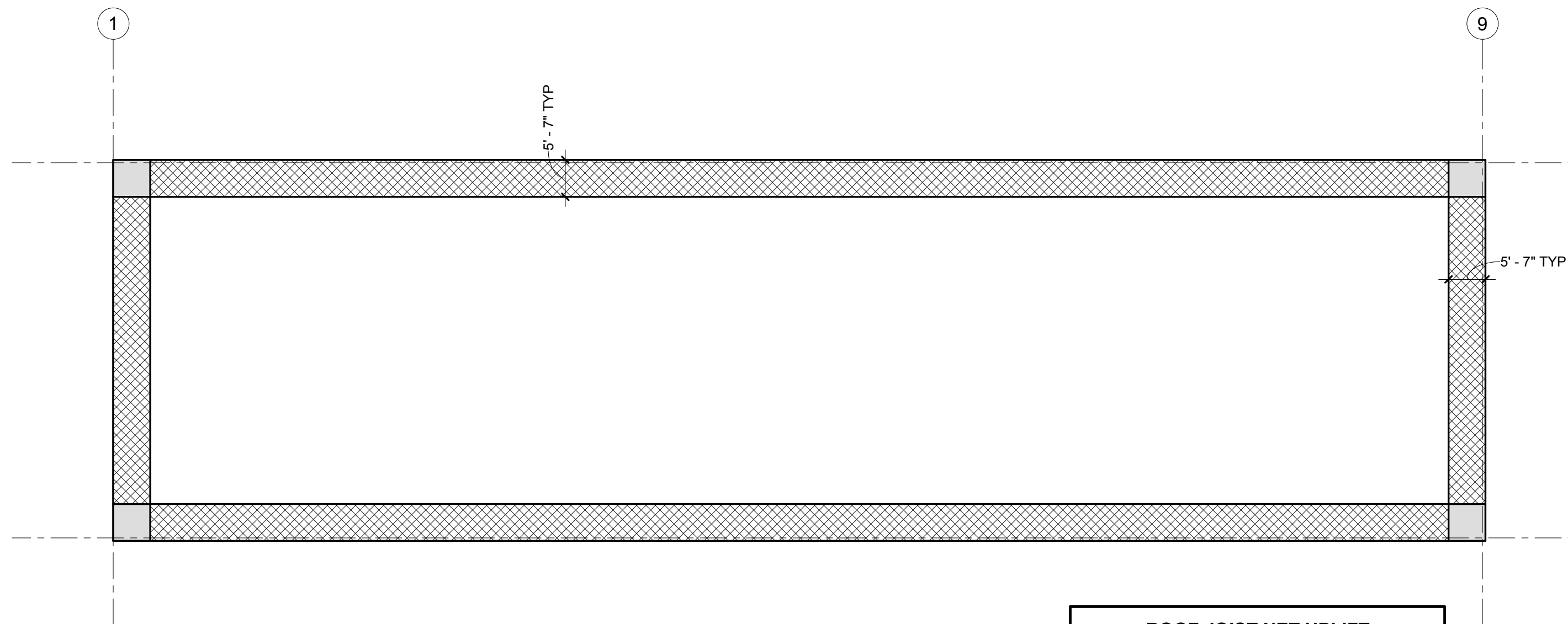
Project Number **2017.01279**

SPECIAL INSPECTION REQUIREMENTS

S003



1
S004
1/16" = 1'-0"



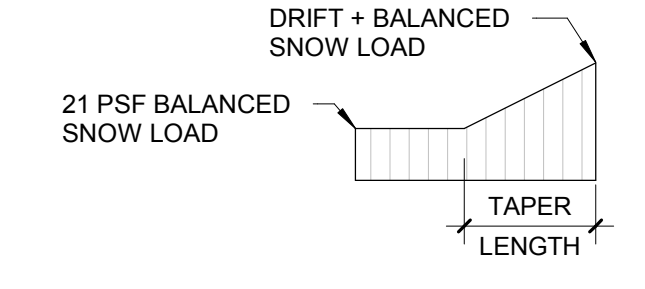
ROOF JOIST NET UPLIFT			
EFFECTIVE WIND AREA (SF)	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)
10	6.8	18.6	33.2
20	6.4	15.6	25.9
50	6.1	11.2	15.6
>100	5.4	8.3	8.3

NOTES:
1. REFERENCE ASCE 7-10, FIGURE 30.4-2B
2. FORCES SHOWN ARE ASD WIND LOADS COMBINATION 0.6D+0.6W

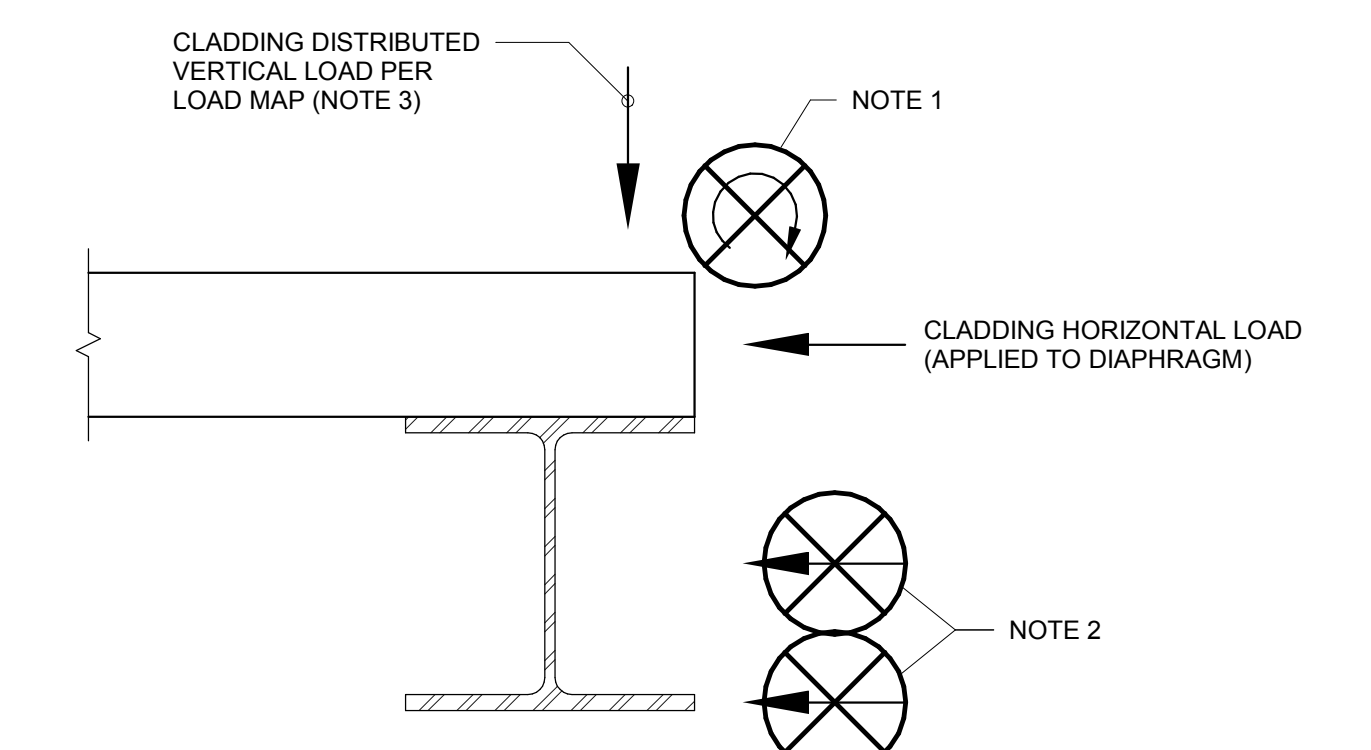
3
S004
1/16" = 1'-0"

UNIFORM LOAD SCHEDULE					
MARK	DESCRIPTION	DESIGN LOADS (PSF)			
		DEAD	SUPERIMPOSED DEAD	LIVE	SNOW
A	TYPICAL ROOF	SEE NOTE 1	10	20	21 PSF MIN.-OR-DRIFT PER LOAD MAPS / DIAGRAMS

NOTES:
1. DEAD LOAD (WHEN DEFINED) REPRESENTS SELF-WEIGHT ALLOWANCE OF THE PRIMARY STRUCTURAL SYSTEM. WHEN NOT DEFINED, SEE DRAWINGS FOR MEMBER MATERIALS AND SIZES.
2. SUPERIMPOSED DEAD LOAD IS PERMANENT UNIFORM DEAD LOAD ALLOWANCE SUPPORTED BY THE STRUCTURE.
3. FOR SNOW LOADS DESIGN FOR WORST CASE OF UNIFORM SNOW OR SNOW DRIFT CONDITION.
4. *NR* = NON-REDUCIBLE LIVE LOAD.

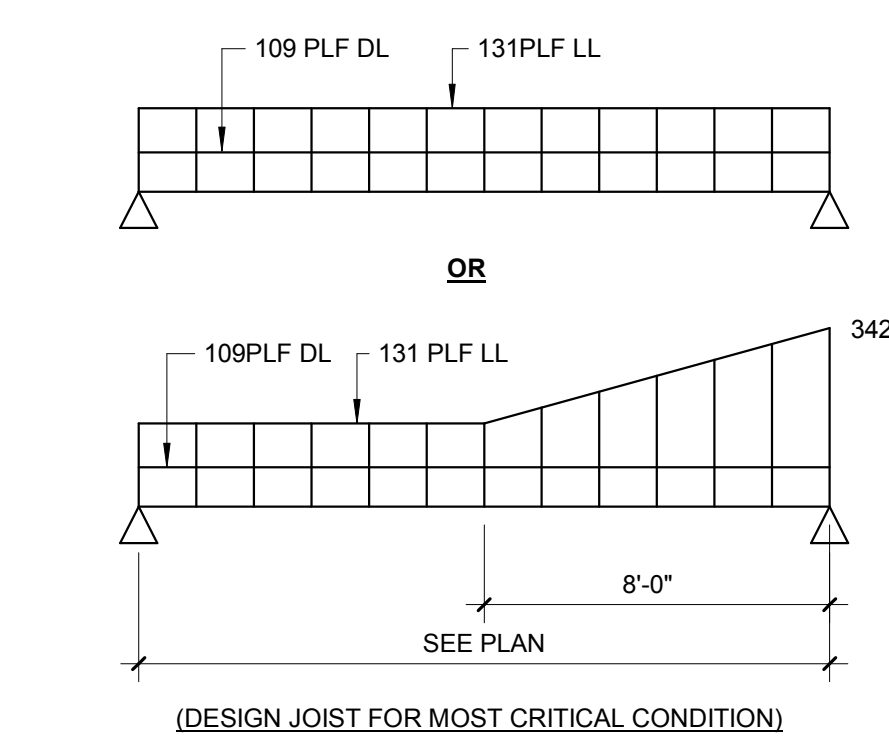


2
S004
N.T.S.

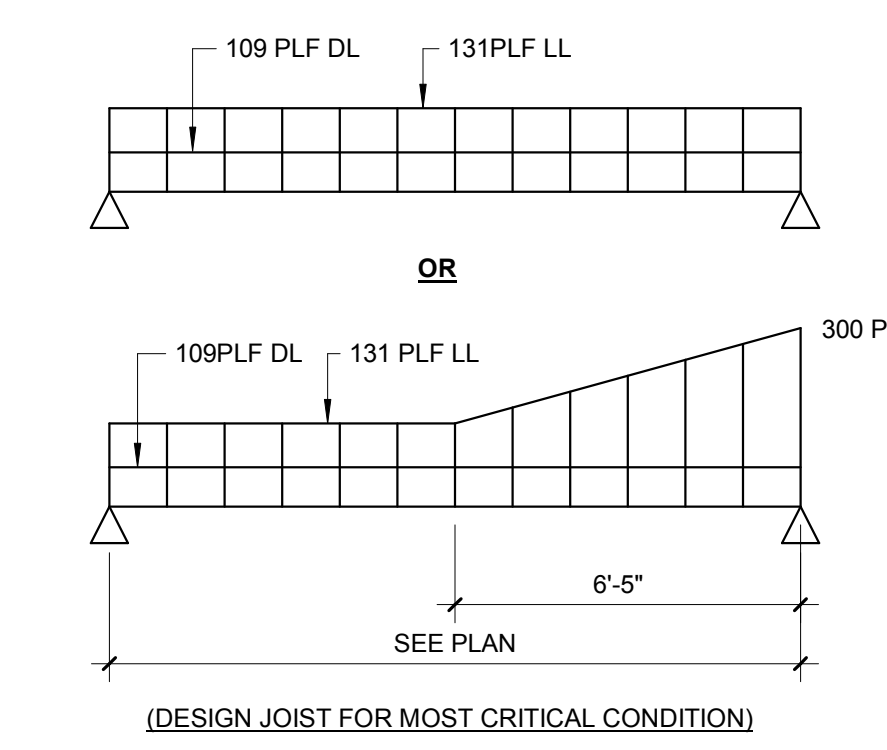


NOTES:
1. DO NOT APPLY MOMENTS TO STRUCTURE.
2. DO NOT APPLY HORIZONTAL LOADS BELOW THE STRUCTURAL DIAPHRAGM UNLESS BOTTOM CHORD BRACING (DESIGNED BY CONTRACTOR) HAS BEEN PROVIDED.
3. VERTICAL LOADS APPLIED AS POINT LOADS MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO SHOP DRAWING SUBMISSION.

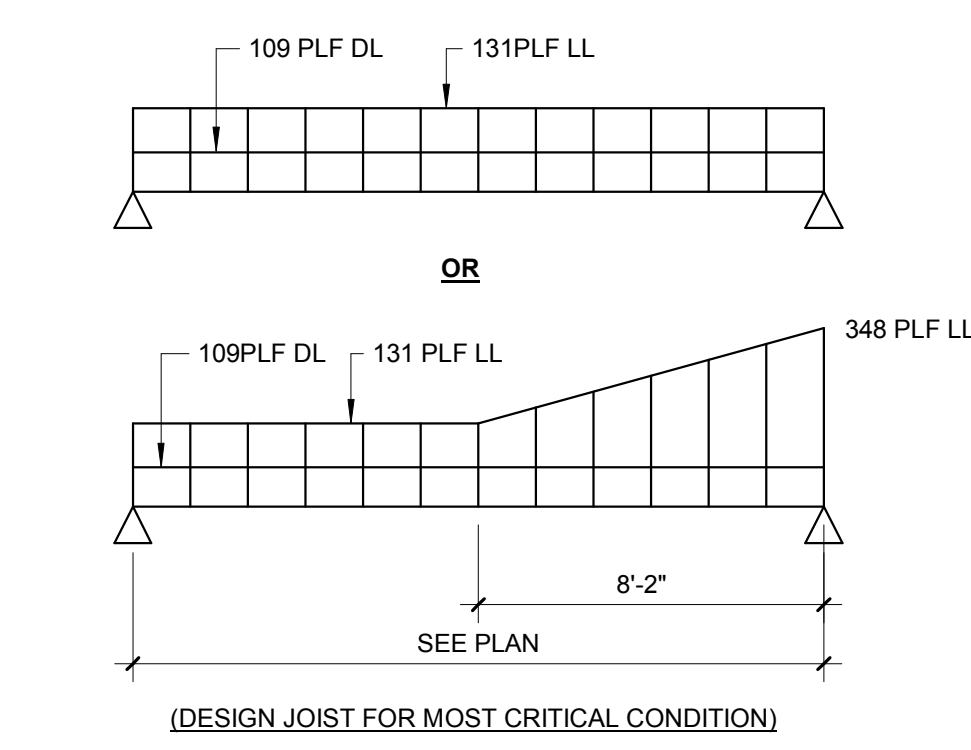
4
S004
N.T.S.



5
S004
N.T.S.



6
S004
N.T.S.



7
S004
N.T.S.

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ISSUANCE INDEX	
DATE:	08.20.18
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LOAD MAPS

S004



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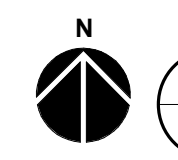
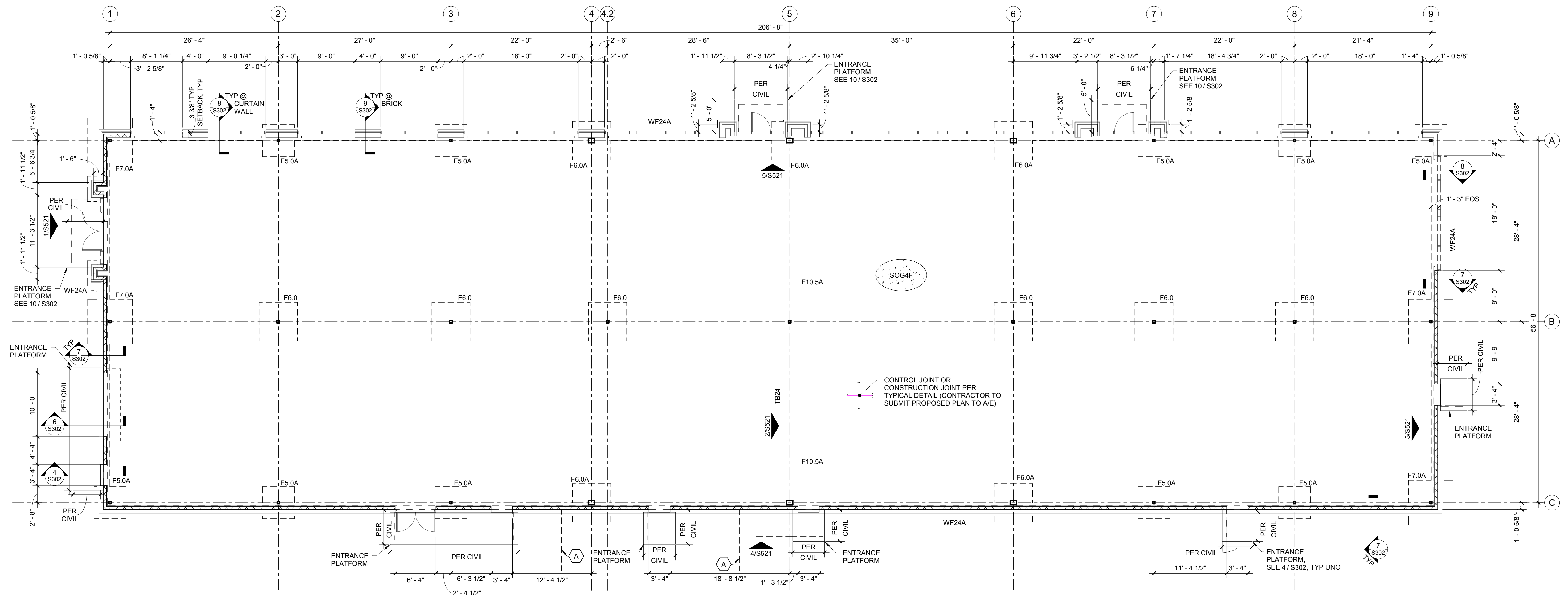
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DATE:	08.20.18
PROJECT PHASE:	100% CONSTRUCTION DOCUMENTS - BP1

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FOUNDATION PLAN

1/8" = 1'-0"

GENERAL PLAN NOTES:

1. REFERENCE TOP OF SLAB (T/SLAB) = 100'-0" UNO (U.S.G.S. 642.00)
2. TOP OF INTERIOR FOOTING ELEVATION = 99'-4" UNO.
3. TOP OF PERIMETER FOOTING ELEVATION = 98'-8" UNO.
4. REFER TO STRUCTURAL GENERAL NOTES, LEGEND, SCHEDULES, TYPICAL DETAILS, AND SPECIAL INSPECTION REQUIREMENTS FOR ADDITIONAL INFORMATION.
5. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.
6. PROVIDE ADDITIONAL SLAB ON GRADE REINFORCEMENT AT RE-ENTRANT CORNERS PER THE TYPICAL ADDITIONAL SLAB ON GRADE REINFORCEMENT AT RE-ENTRANT CORNERS' DETAIL.
7. PERIMETER DIMENSIONS ARE TO OUTSIDE FACE OF TURNDOWN OR CMU, UNO.
8. ALL WALL FOOTINGS ARE TYPE WF24A UNO.

KEYED PLAN NOTES:

- (A) COORDINATE UTILITY ENTRANCE TO BUILDING WITH CIVIL AND MEP DRAWINGS. SEE "TYPICAL WALL FOOTING AT PIPE / CONDUIT PENETRATION DETAIL" FOR ADDITIONAL INFORMATION.

SLAB ON GRADE INFORMATION PROVIDED FOR REFERENCE ONLY. SLAB ON GRADE IS TO BE BID IN FUTURE PACKAGE.



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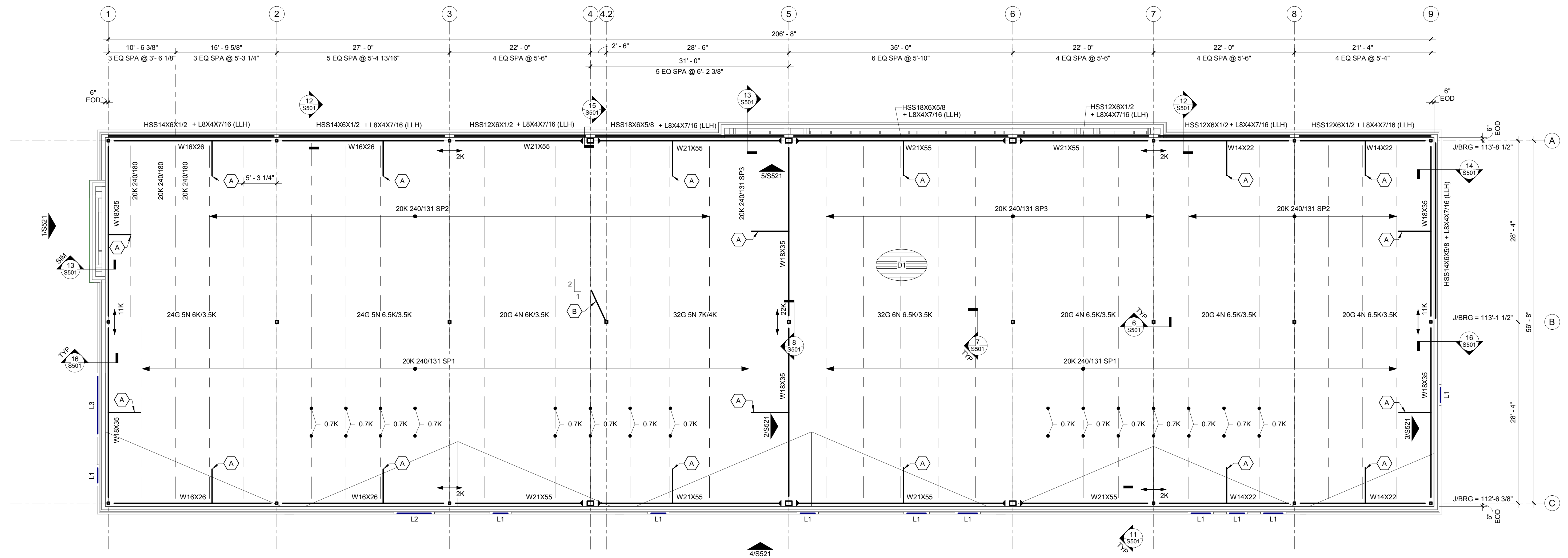
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ROOF FRAMING PLAN

S131



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

GENERAL PLAN NOTES:

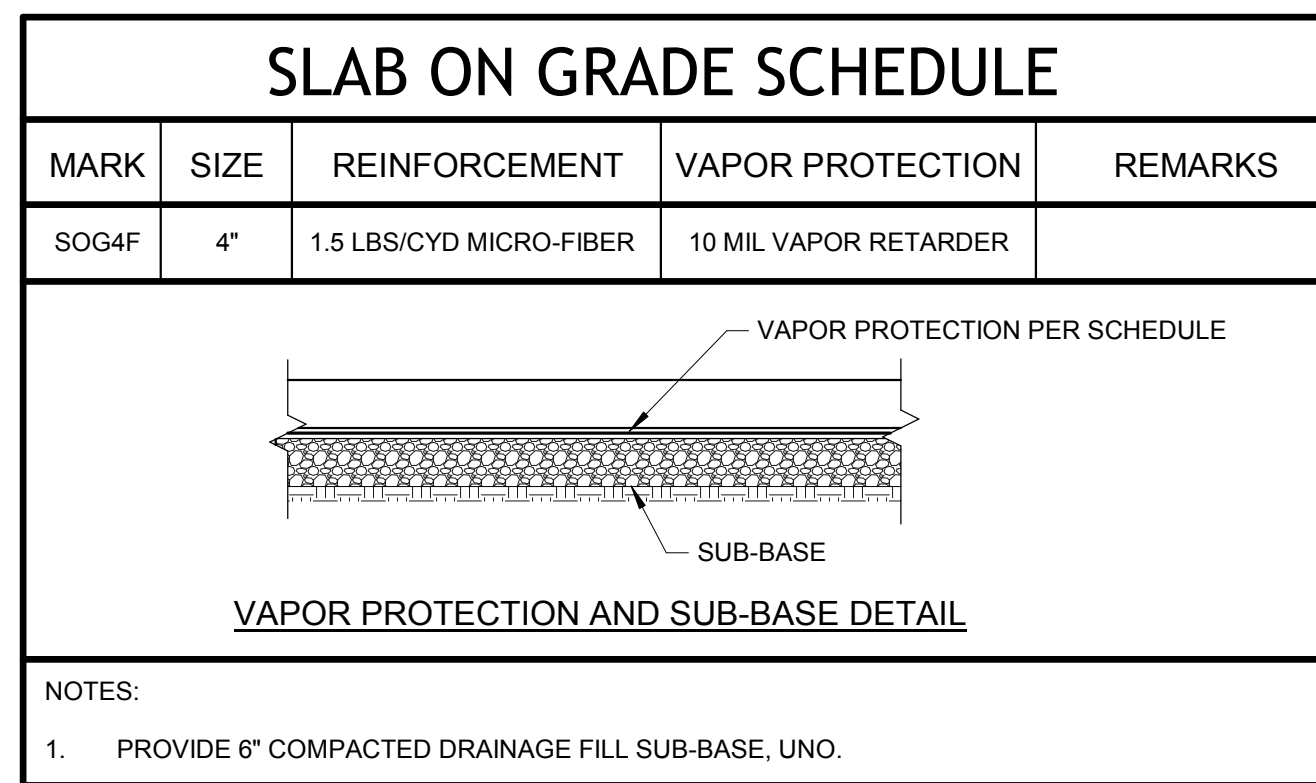
1. JOIST BEARING (JBRG) ELEVATION PER PLAN.
2. REFER TO STRUCTURAL GENERAL NOTES, LEGEND, SCHEDULES, TYPICAL DETAILS, AND SPECIAL INSPECTION REQUIREMENTS FOR ADDITIONAL INFORMATION.
3. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.
4. INSTALL BRIDGING IN ACCORDANCE WITH SJI SPECIFICATIONS. BRIDGING TO RUN FULL LENGTH / WIDTH OF BUILDING.
5. ALL JOIST GIRDER SEATS TO BE 7 1/2" DEEP UNO.
6. ALL JOIST SEATS TO BE 2 1/2" DEEP UNO.
7. PROVIDE FRAMED/REINFORCED SUPPORTS FOR ALL ROOF TOP EQUIPMENT, HATCHES, OPENINGS AND ROOF DRAINS PER THE TYPICAL DETAILS. COORDINATE EXACT SIZES AND LOCATIONS OF ALL FRAMING WITH APPLICABLE CONTRACTOR PRIOR TO FABRICATION.

KEYED PLAN NOTES:

- (A) BRACE BOTTOM FLANGE OF OF BEAM PER "BOTTOM FLANGE BRACING AT ROOF" DETAILS
- (B) BRACE TOP OF COLUMN WITH L3x3x1/4 ANGLE. WELD TO COLUMN FACE AND JOIST TOP CHORD WITH 1/4" WELD 3" MIN.

CONCRETE MIX SCHEDULE						
CONCRETE USAGE	28-DAY COMPRESSIVE STRENGTH (PSI)	MAX CEMENT REPLACEMENT (NOTE 3)	MAXIMUM W/C M RATIO	AIR CONTENT (PERCENT)	MAXIMUM AGGREGATE SIZE (INCHES)	NOTES
FOOTINGS, WALL FOOTINGS	3,000	20%	0.55	0-3	1.5	
EXTERIOR RETG WALLS, STOOPS AND PADS	4,000	20%	0.45	6 +/- 1	1	
SLABS ON GRADE (6 INCHES OR LESS)	4,000	20%	0.48	0-3	1	
POLISHED SLABS ON GRADE	4,000	0%	0.45	0-3	1	4.0 LBS/CYD MACRO-FIBER (NOTE 6)

NOTES:
1. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL CONCRETE IS NORMAL WEIGHT AND CEMENT IS ASTM C150 TYPE 1, UNO. DO NOT USE LIGHTWEIGHT CONCRETE UNLESS SPECIFICALLY INDICATED.
3. ACCEPTABLE CEMENT REPLACEMENT MATERIAL, WHERE PERMITTED, SHALL BE FLY ASH, ASTM C618 TYPE C OR F, UNO.
4. TARGET SLUMP SHALL BE DETERMINED BY THE CONTRACTOR AS NEEDED FOR PROPER PLACEMENT.
5. WHERE NOTED, BLENDED AGGREGATE WITH ZONE 2 COARSENESS PER ACI 302 IS MANDATORY.
6. COORDINATE LOCATIONS OF ALL POLISHED CONCRETE SLABS (WHEN USED) AND REVIEW THE CONCRETE MIX REQUIREMENTS WITH THE POLISHED CONCRETE CONTRACTOR PRIOR TO SUBMITTAL OF CONCRETE MIXES. IF THE POLISHED CONCRETE CONTRACTOR REQUESTS TO DEVIATE FROM THE REQUIREMENTS OF THIS SCHEDULE, CONTACT THE STRUCTURAL ENGINEER TO REVIEW THE REQUESTS PRIOR TO SUBMISSION OF THE POLISHED CONCRETE MIXES.



COLUMN FOOTING SCHEDULE

MARK	FTG SIZE	REINFORCEMENT	REMARKS
F5.0A	5'-0" x 5'-0" x 2'-2"	(5) #5 EW BOT	
F6.0	6'-0" x 6'-0" x 1'-0"	(6) #5 EW BOT	
F6.0A	6'-0" x 6'-0" x 2'-2"	(6) #6 EW BOT	
F7.0A	7'-0" x 7'-0" x 2'-2"	(10) #6 EW BOT	
F10.5A	10'-6" x 10'-6" x 3'-0"	(11) #5 TOP & (18) #7 EW BOT	

WALL FOOTING SCHEDULE

MARK	SIZE (W x D)	FTG REINF	REMARKS
WF24A	2'-0" x 2'-2"	(2) #6 CONT BOTTOM	

TIE BEAM SCHEDULE

MARK	TIE BEAM SIZE W x D	TIE BEAM REINF	TYPE	REMARKS
TB24	24" x 26"	(6) #6 HORIZ W/ #3 TIES @ 12" OC	A	NOTE 1 AND 2

NOTES:
1. EXTEND HORIZONTAL BARS Ld PAST STEEL COLUMN.
2. TOP OF TIE BEAM TO MATCH TOP OF FOOTING.

1 S301 N.T.S.

2 S301 N.T.S.

3 S301 N.T.S.

4 S301 N.T.S.

NON-COATED REINFORCING BAR DEVELOPMENT AND SPLICE LENGTHS

f'c = 3000 PSI					f'c = 4000 PSI				
BAR SIZE	Ld	Ld1	L1	L1t	BAR SIZE	Ld	Ld1	L1	L1t
#3	17	23	23	29	#3	15	20	20	26
#4	22	29	29	38	#4	19	25	25	33
#5	28	37	37	48	#5	24	32	32	41
#6	33	43	43	56	#6	29	38	38	50
#7	48	63	63	82	#7	42	55	55	71
#8	55	72	72	93	#8	48	63	63	82
#9	62	81	81	105	#9	54	71	71	92
#10	69	90	90	117	#10	60	78	78	102
#11	76	99	99	129	#11	66	86	86	112

TABLE VALUES SHALL BE MULTIPLIED BY 1.5 IF THE FOLLOWING CRITERIA ARE NOT MET:
- 3db MIN
- 12" MIN
- TOP BAR
- 2db/2db MIN MIN
- SLAB / WALL
- COLUMN / BEAM

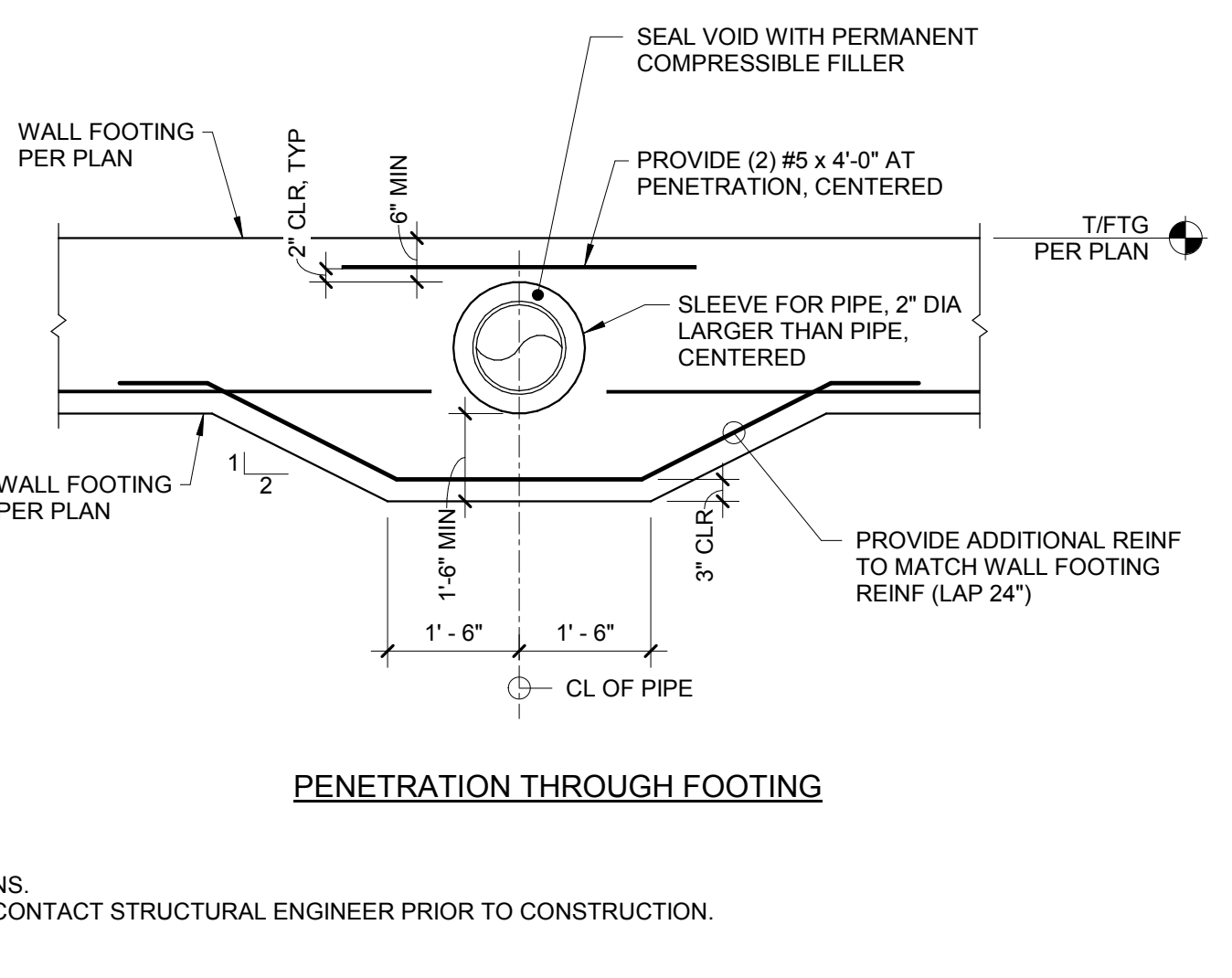
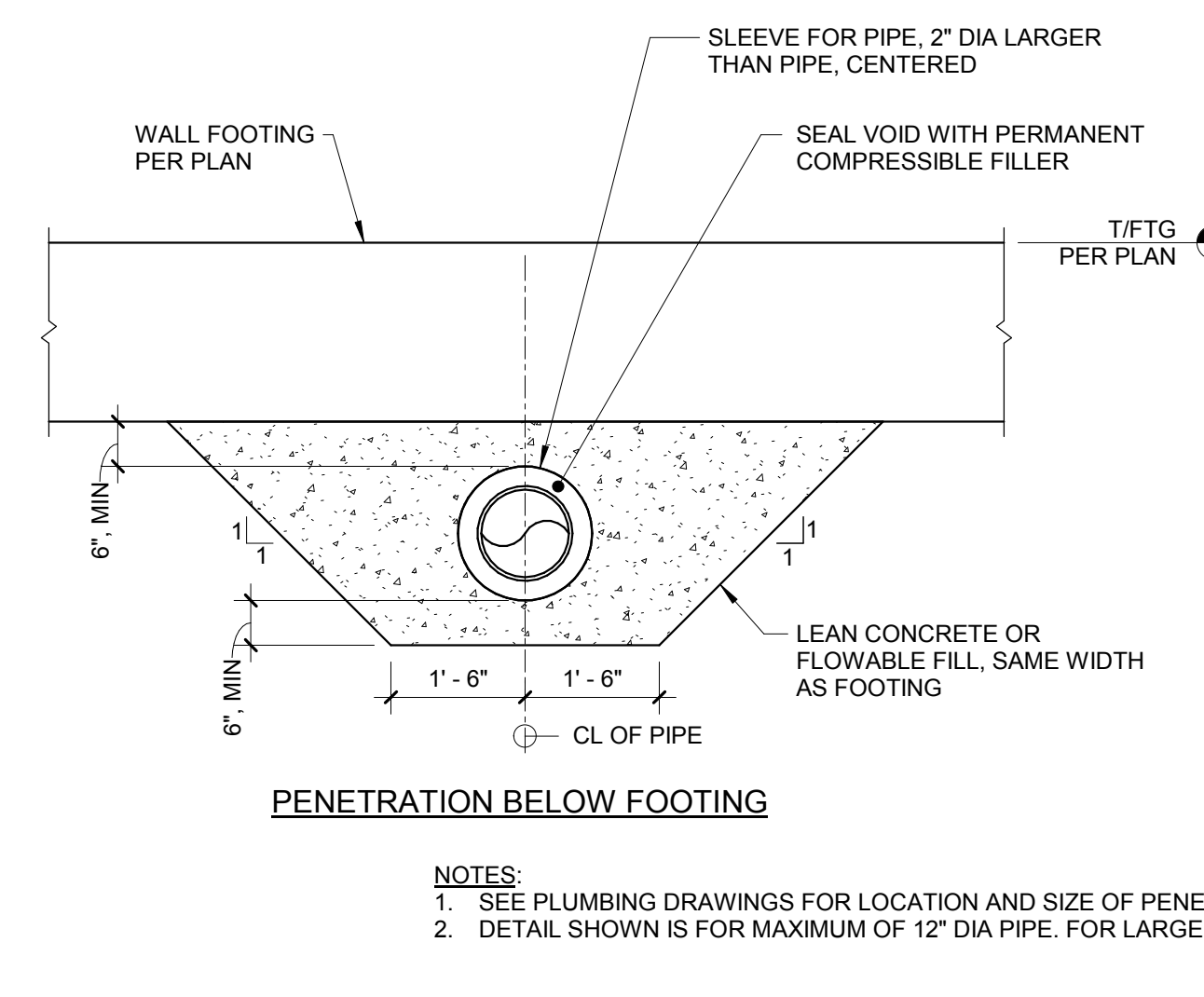
NOTES:
1. db = NOMINAL BAR DIAMETER
Ld = TENSION DEVELOPMENT LENGTH
Ld1 = DEVELOPMENT LENGTH OF TOP BARS IN TENSION
L1 = TENSION LAP SPLICE LENGTH
L1t = TENSION LAP SPLICE LENGTH OF TOP BARS
Lb = COMPRESSION DEVELOPMENT LENGTH
Lc = TIED COLUMN LAP SPLICE IN COMPRESSION
Lcs = SPIRAL COLUMN LAP SPLICE IN COMPRESSION
2. REBAR DEVELOPMENT/SPLICE LENGTHS ARE BASED ON ACI 318. REINFORCEMENT YIELD STRENGTH, Fy = 60 KSI.
3. "TOP BARS" = HORIZONTAL BEAM, MAT, OR SLAB REINFORCING WITH MORE THAN 12" CAST BELOW.
4. ALL SPLICES SHALL BE TENSION SPLICES, UNO.
5. LARGER DIAMETER SPLICE LENGTHS GOVERN AT BAR SIZE TRANSITIONS.
6. FOR LIGHTWEIGHT CONCRETE, MULTIPLY TABLE VALUES BY 1.33, UNO.

SLAB ON GRADE FLATNESS / LEVELNESS SCHEDULE

CLASSIFICATION	OVERALL FF	OVERALL FL	MIN LOCAL FF	MIN LOCAL FL
CONVENTIONAL	20	15	15	10
MODERATELY FLAT	25	20	20	15
FLAT	35	25	25	15
VERY FLAT	45	30	35	25
SUPER FLAT	60	40	40	25

FLOOR TYPE / LOCATION	REQUIRED SLAB
EXPOSED WAREHOUSE, MANUFACTURING AREAS, UNO	FLAT
EXPOSED UTILITY/MECHANICAL AREAS, UNO	MODERATELY FLAT
FLOORS WITH CARPET, VCT FINISH, UNO	MODERATELY FLAT
FLOORS WITH POLISHED CONCRETE FINISH	FLAT
TILE UP TO 16" LONG DIMENSION, >=1/4" GROUT JOINTS	FLAT
TILE UP TO 16" LONG DIMENSION, 3/16" GROUT JOINTS	VERY FLAT
TILE UP TO 16" LONG DIMENSION, 1/8" GROUT JOINTS	SUPER FLAT
TILE >16" TO <36" LONG DIMENSION, >=1/4" GROUT JOINTS	VERY FLAT
TILE >16" TO <36" LONG DIMENSION, <1/4" GROUT JOINTS	SUPER FLAT
TILE >36" LONG DIMENSION	SUPER FLAT

NOTES:
1. GENERAL CONTRACTOR SHALL REVIEW ALL FLOOR FINISH REQUIREMENTS FOR THE PROJECT AND PROVIDE CONCRETE SLAB SURFACE FINISHES IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFIED FLOOR FINISH MATERIALS. WHERE TOLERANCES FOR THE FLOOR FINISH MATERIALS DIFFER FROM THIS SCHEDULE, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
2. GENERAL CONTRACTOR SHALL COORDINATE WITH THE FINISH FLOORING SUPPLIER TO PROVIDE ALL NECESSARY REPAIR, GRINDING, AND/OR LEVELING OF THE CONCRETE SLAB TO ACCOMMODATE ALL FLOOR FINISHES PRIOR TO INSTALLATION OF FINISH MATERIALS WITH NO ADDITIONAL COST TO THE PROJECT.

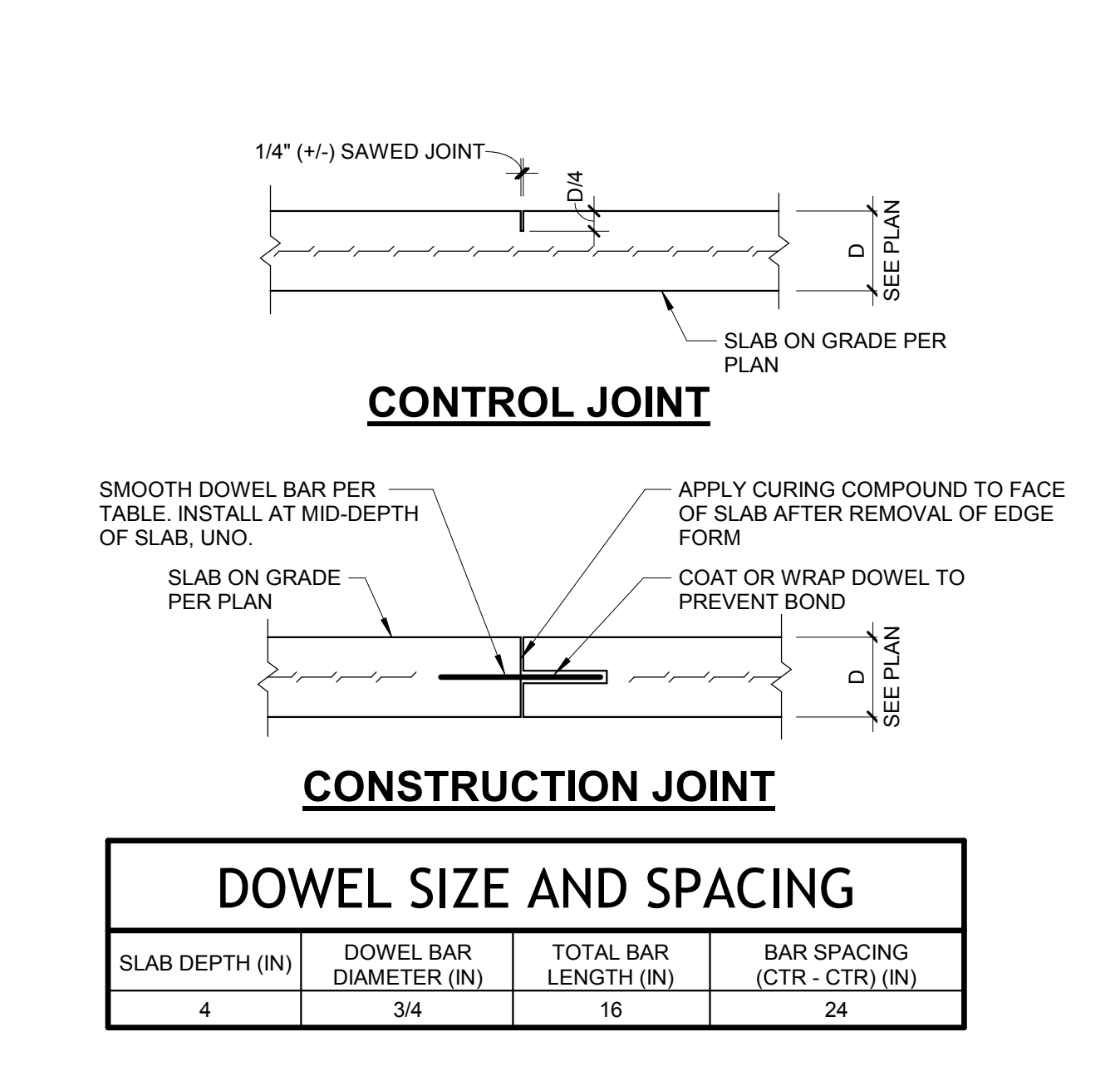
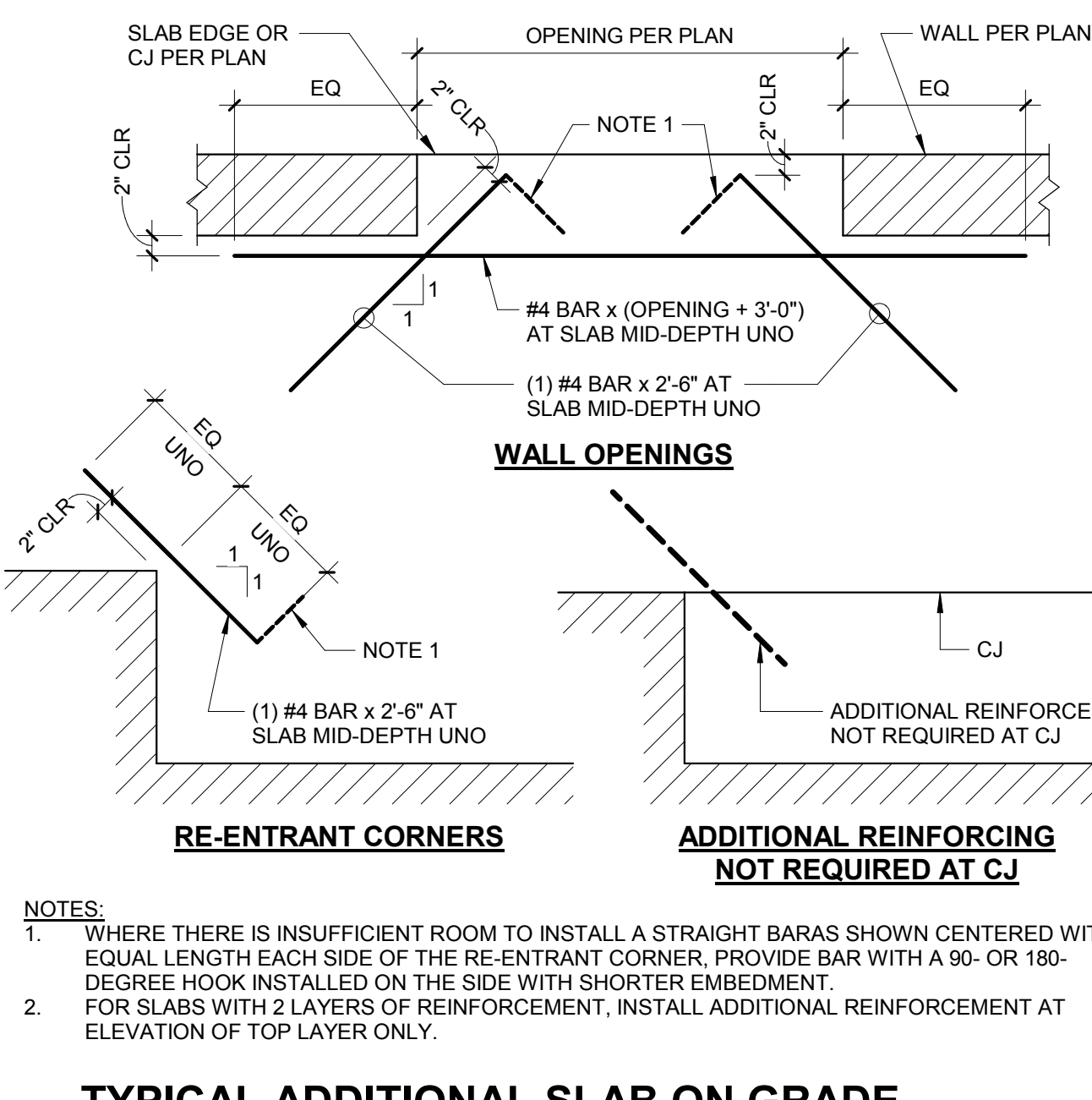
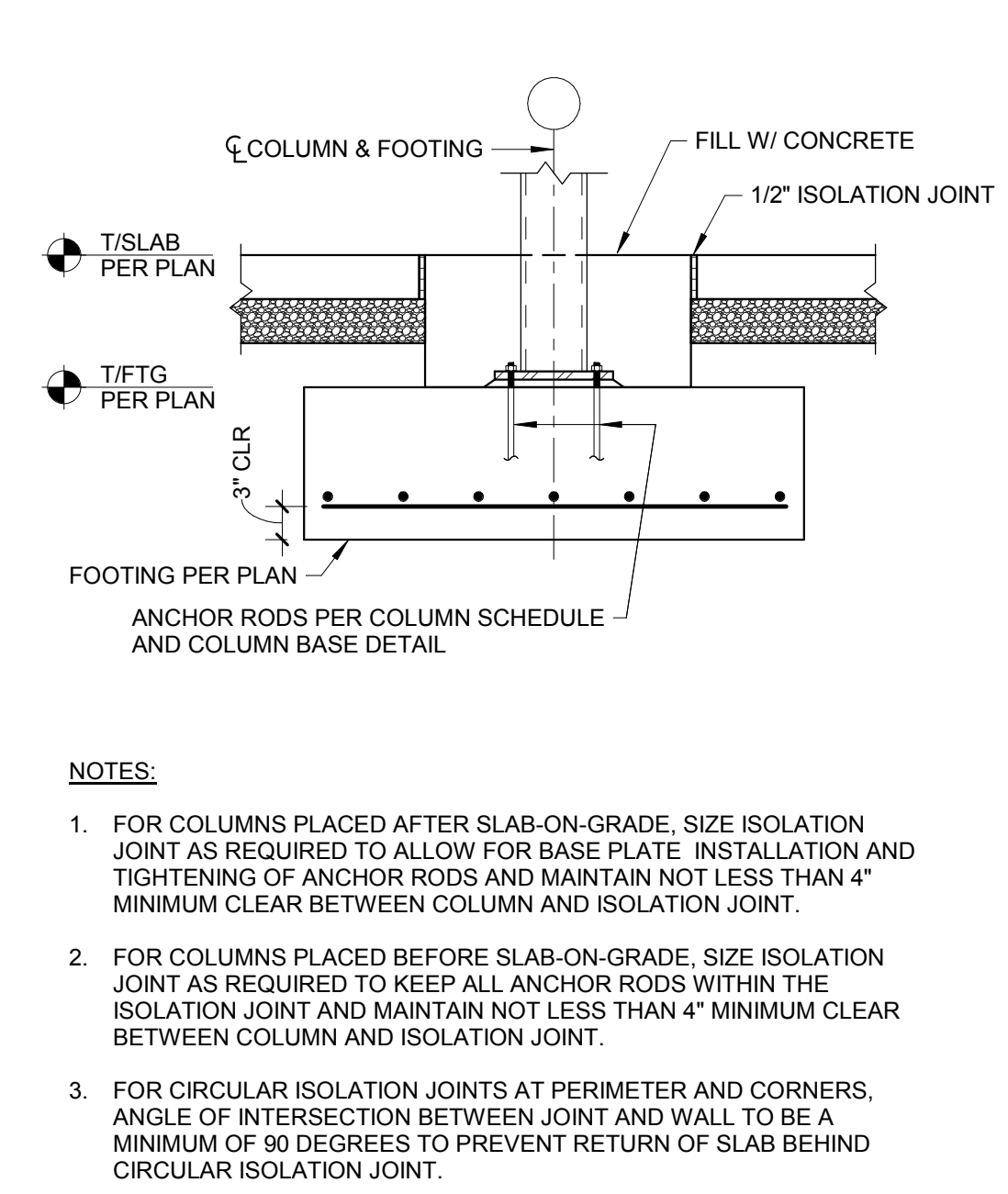
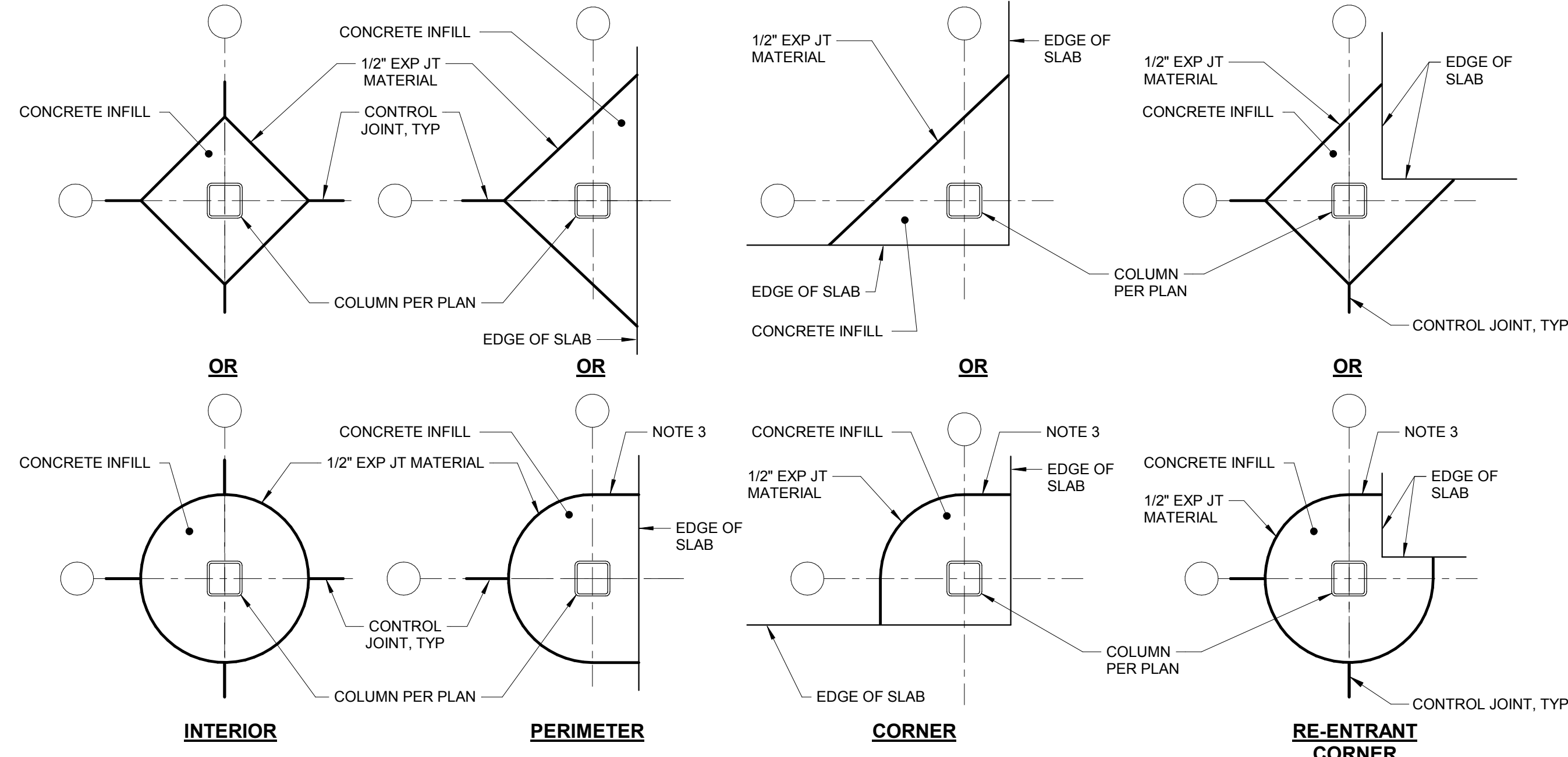


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6 S301 N.T.S.

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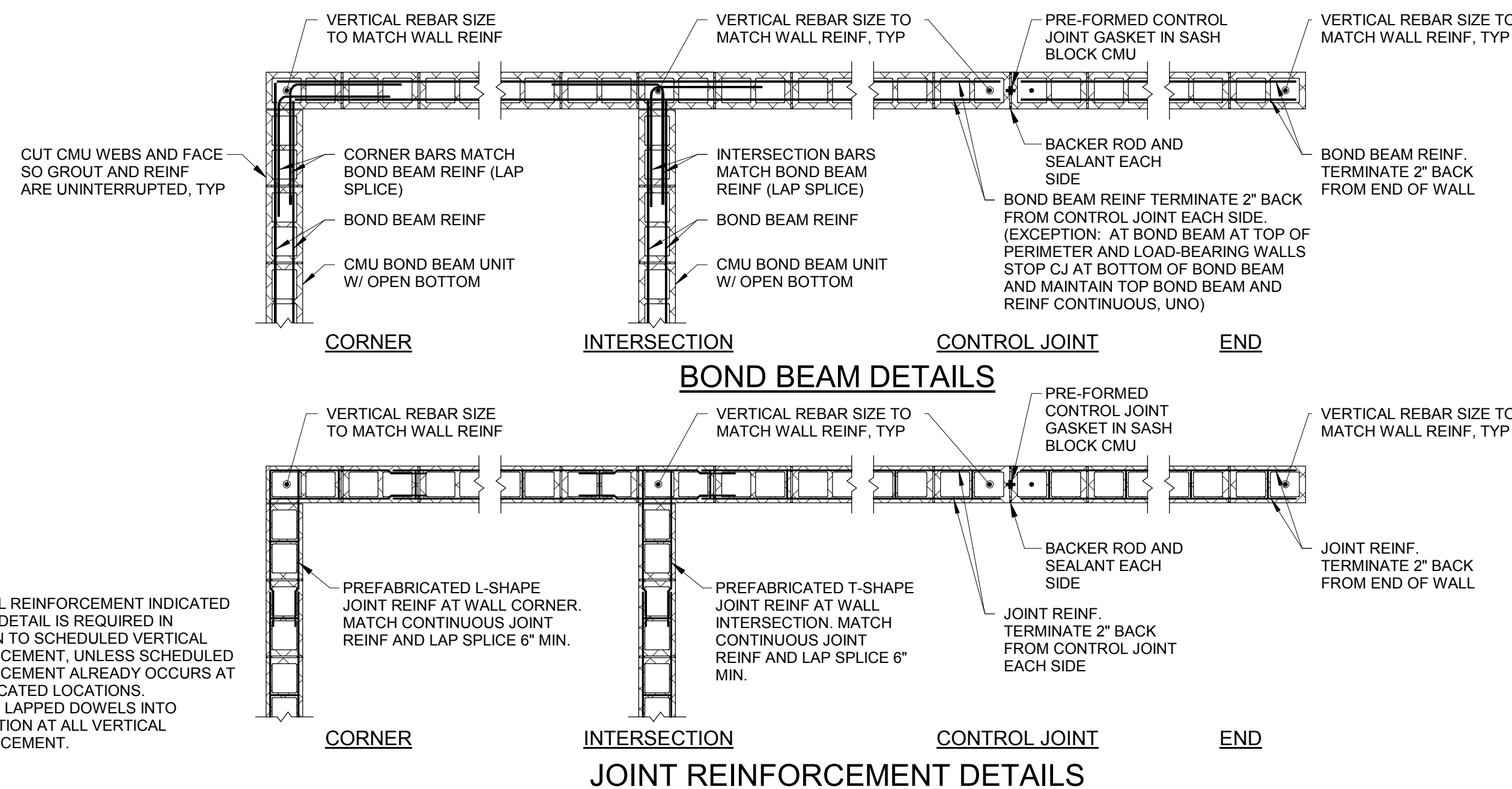
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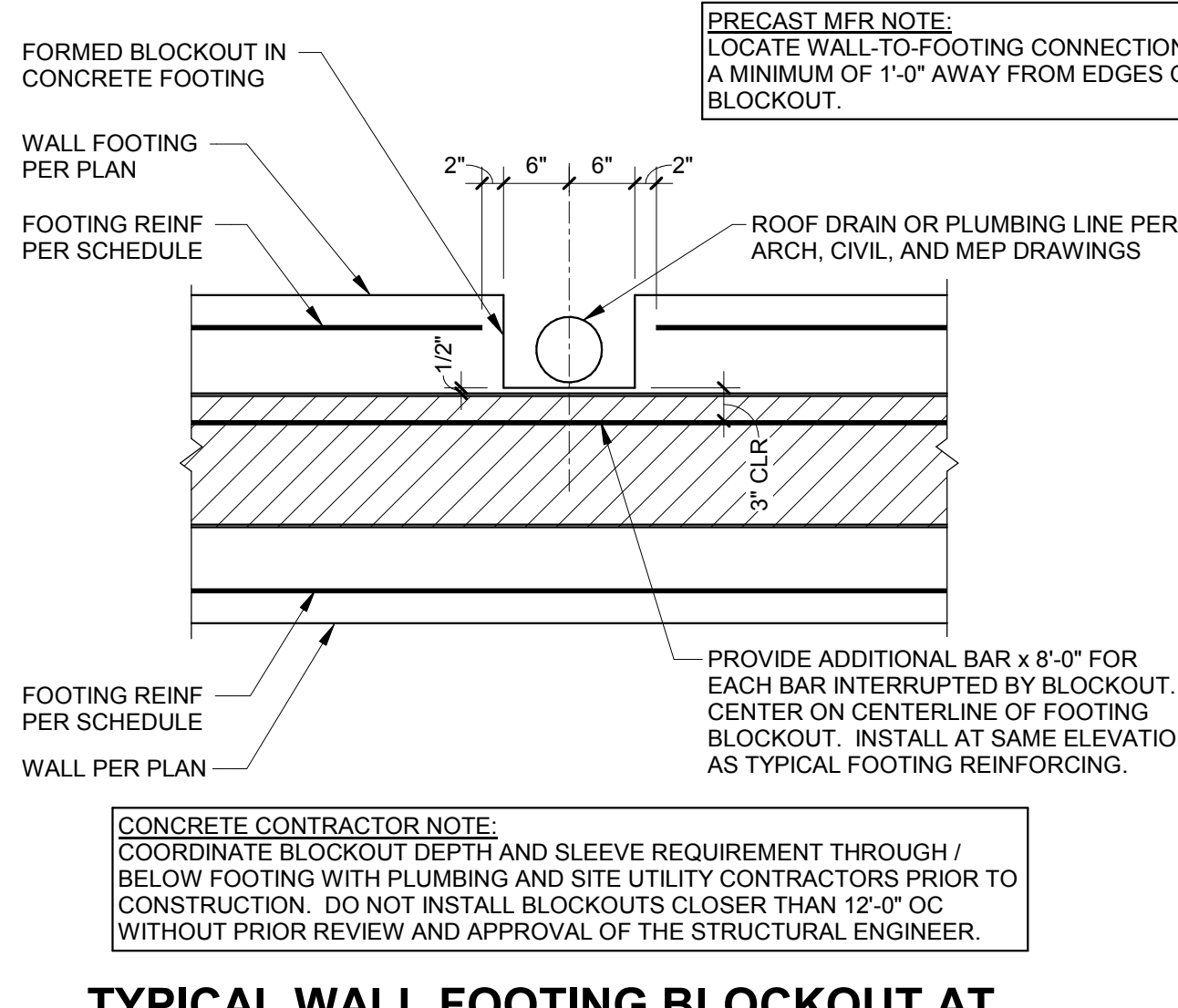
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MASONRY REINFORCING STEEL LAP SPLICE CHART

BAR	UNCOATED BARS		EPOXY-COATED BARS	
	TYPE 1.0LD	TYPE 1.5LD	TYPE 1.0LD	TYPE 1.5LD
#3	20"	36"	20"	54"
#4	26"	48"	39"	72"
#5	32"	60"	48"	90"
#6	39"	72"	58"	108"
#7	45"	84"	68"	126"
#8	52"	96"	77"	144"
#9	58"	109"	87"	164"

NOTES:
1. ALL SPLICES ARE TYPE 1.0LD, UNO.
2. BARS LARGER THAN #9 ARE REQUIRED TO BE SPLICED BY MECHANICAL CONNECTORS, UNO.
3. SPLICES BASED ON Fy = 32,000 PSI AND fm >= 1500 PSI.
4. ALL BARS ARE UNCOATED, UNO.
5. USE EPOXY-COATED BARS ONLY IN PARKING STRUCTURE MASONRY WHERE SPECIFICALLY INDICATED, UNO.



12 S301 N.T.S.

13 S301 N.T.S.

PORTER COUNTY
STRUCTUREPOINT
7260 Shadeland Station
Indianapolis, IN 46256
P: 317.547.5590
F: 317.543.0270
E: dmcloskey@structurepoint.com

SKILLMAN
8006 Aetna Street
Merrillville, IN 46410
P: 219.942.2787
E: dranderson@skillman.com

PORTER COUNTY - TRUSTEES OFFICE
PORTAGE, IN

DAVID A. CLARK
REGISTERED
No. PE11200028
STATE OF INDIANA
PROFESSIONAL ENGINEER

David A. Clark
CERTIFIED BY

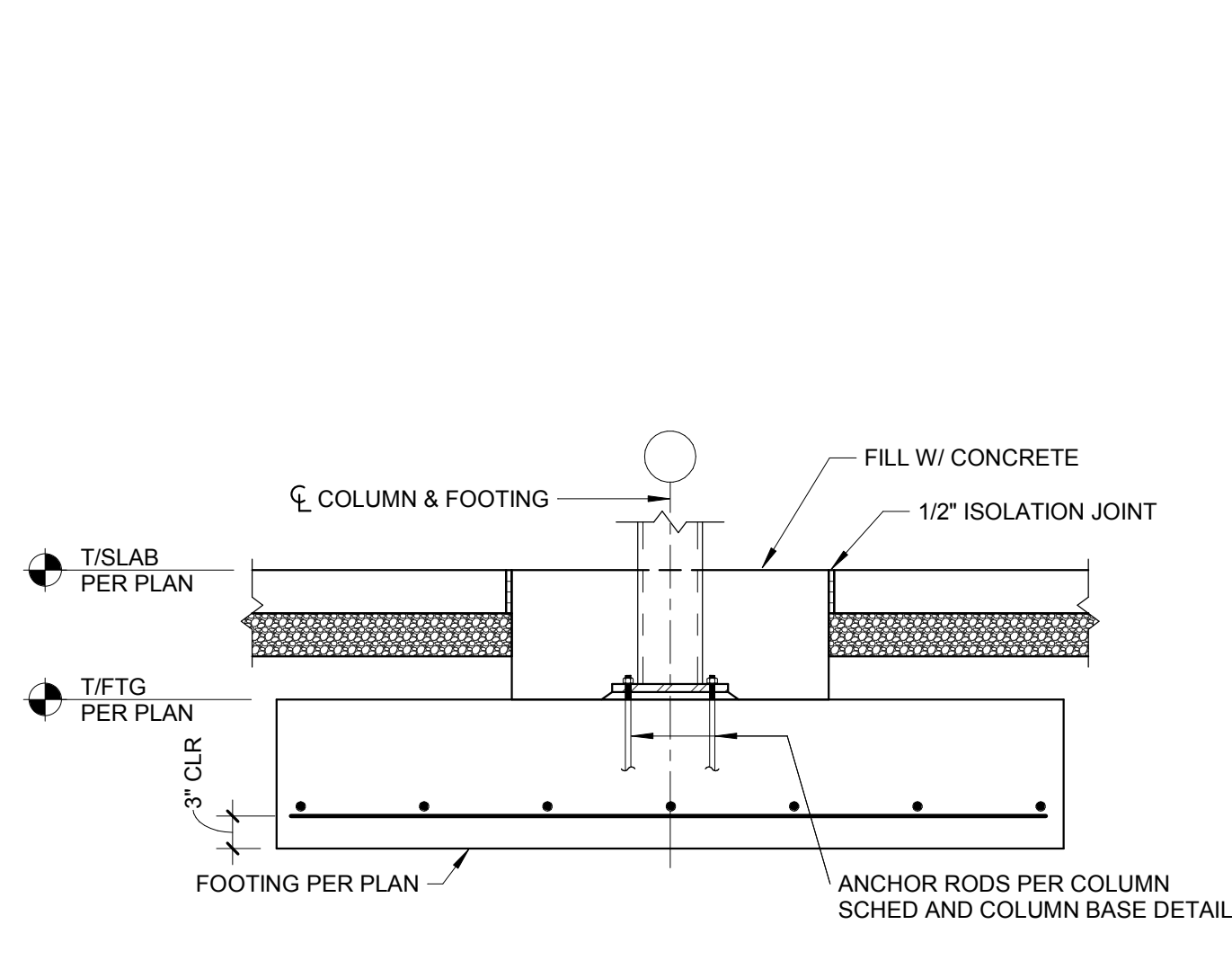
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REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

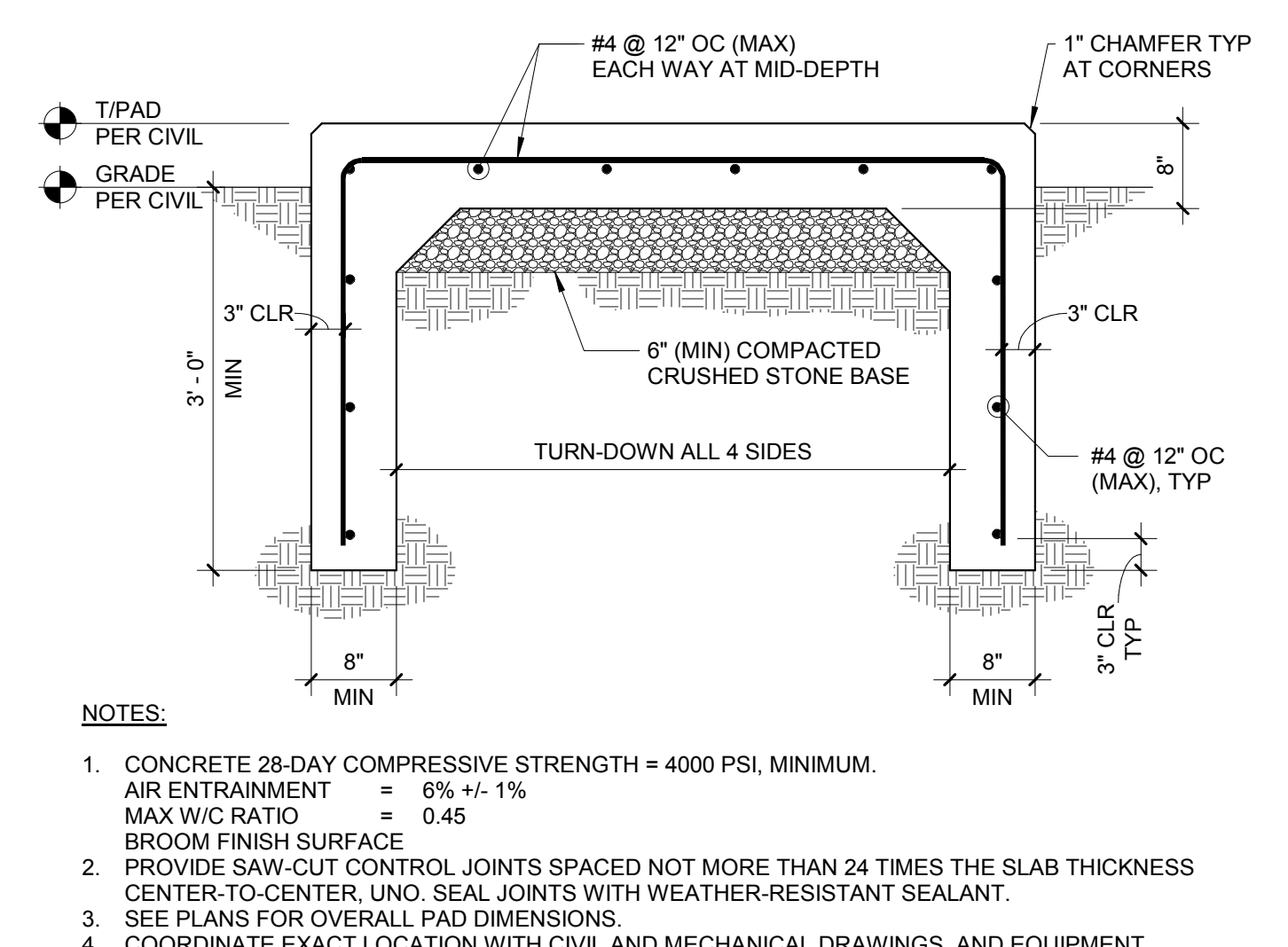
Project Number 2017.01279

FOUNDATION SCHEDULES, SECTIONS, AND DETAILS

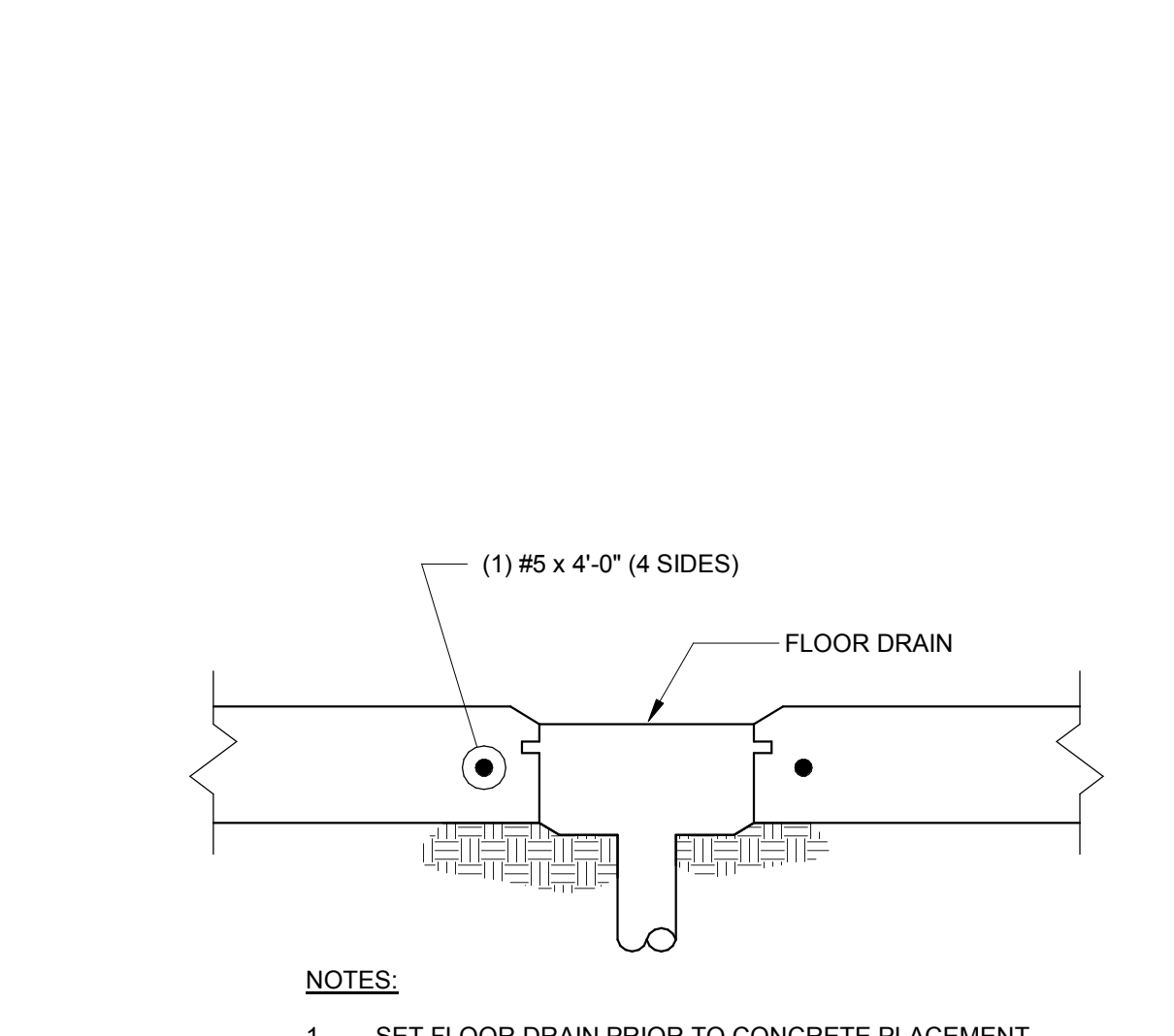
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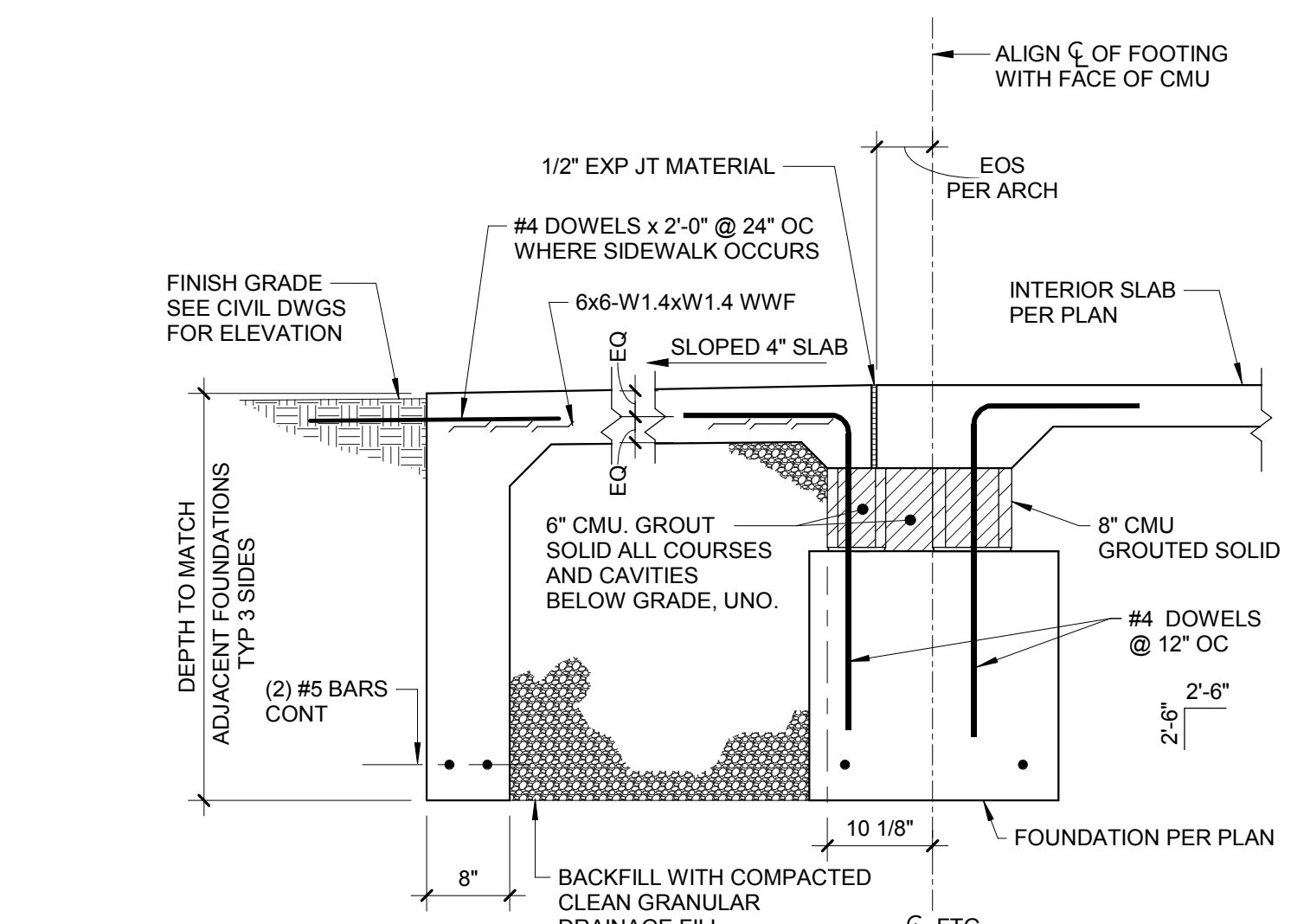
1 TYPICAL HSS COLUMN ON FOOTING DETAIL
S302 N.T.S.



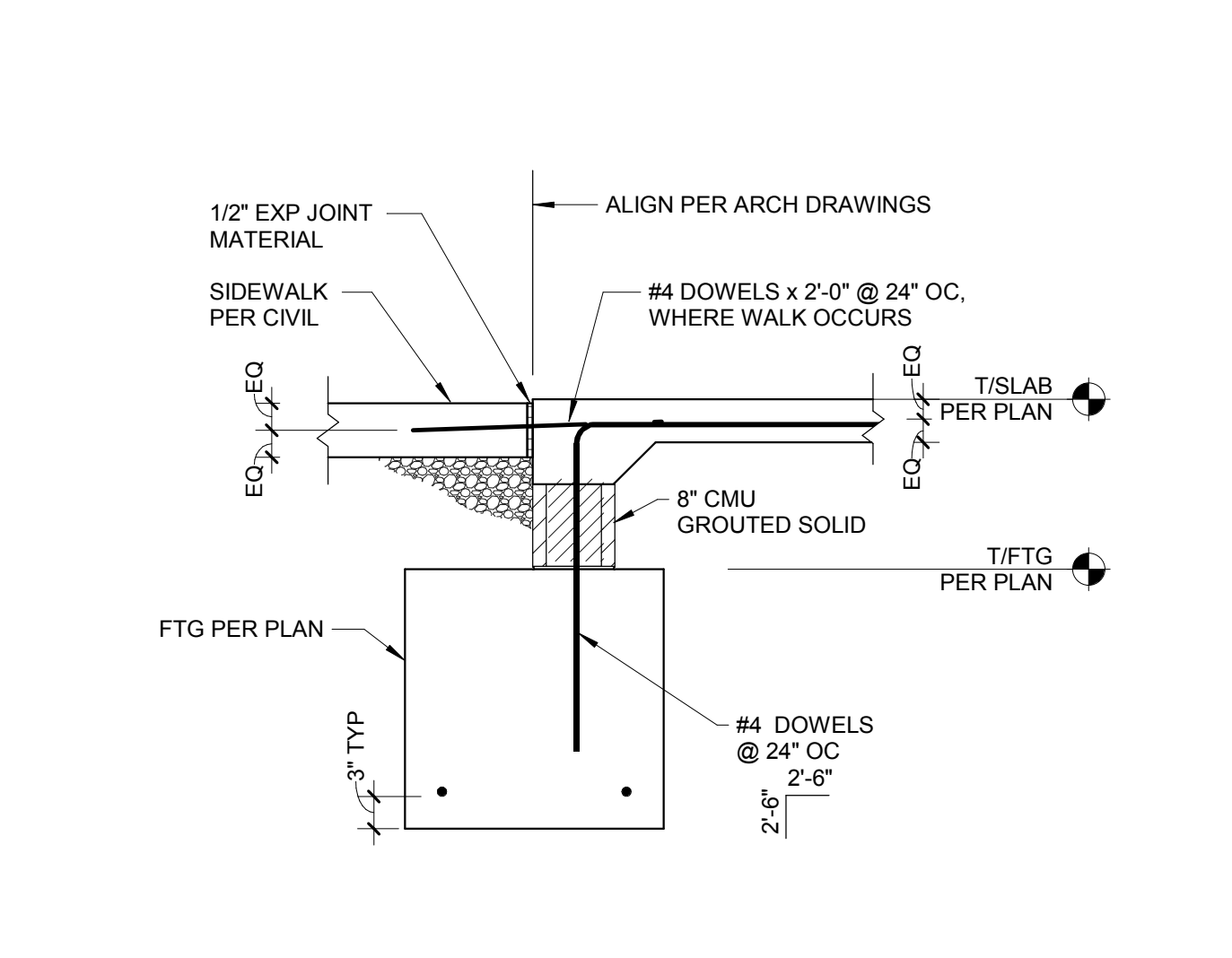
2 TYPICAL EXTERIOR EQUIPMENT PAD DETAIL
S302 N.T.S.



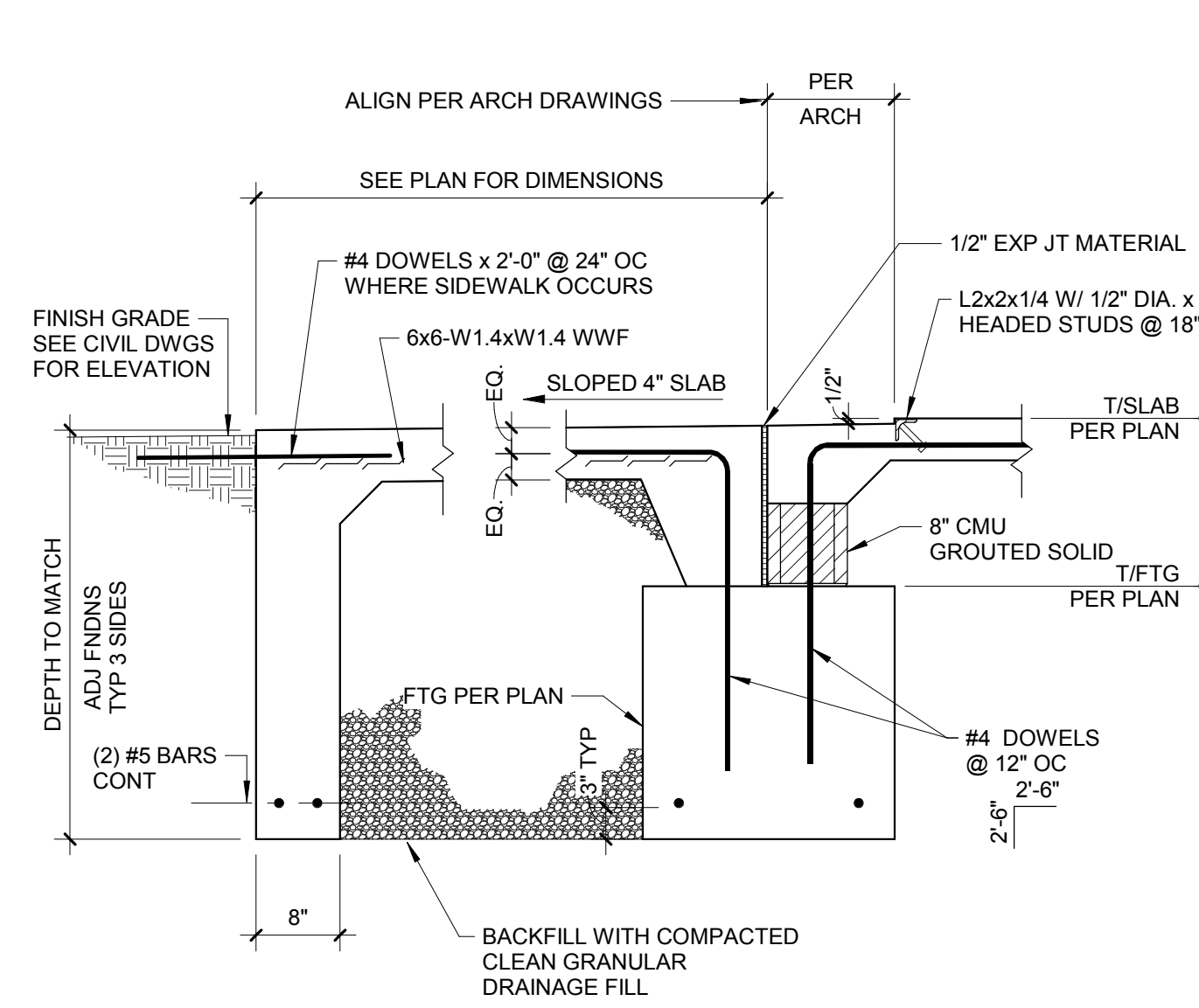
3 TYPICAL FLOOR DRAIN (SOG) DETAIL
S302 N.T.S.



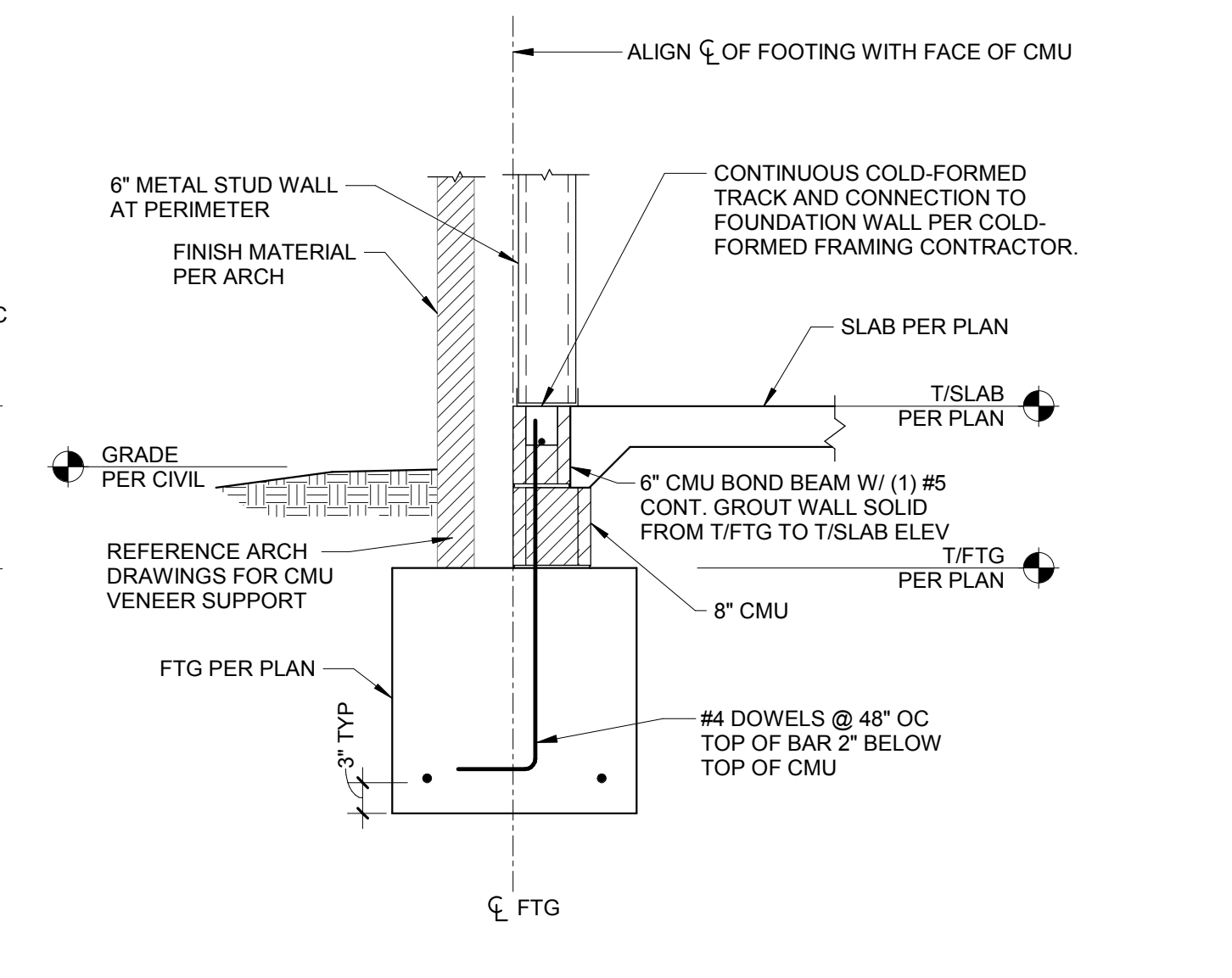
4 TYPICAL ENTRANCE PLATFORM SECTION
S302 N.T.S.



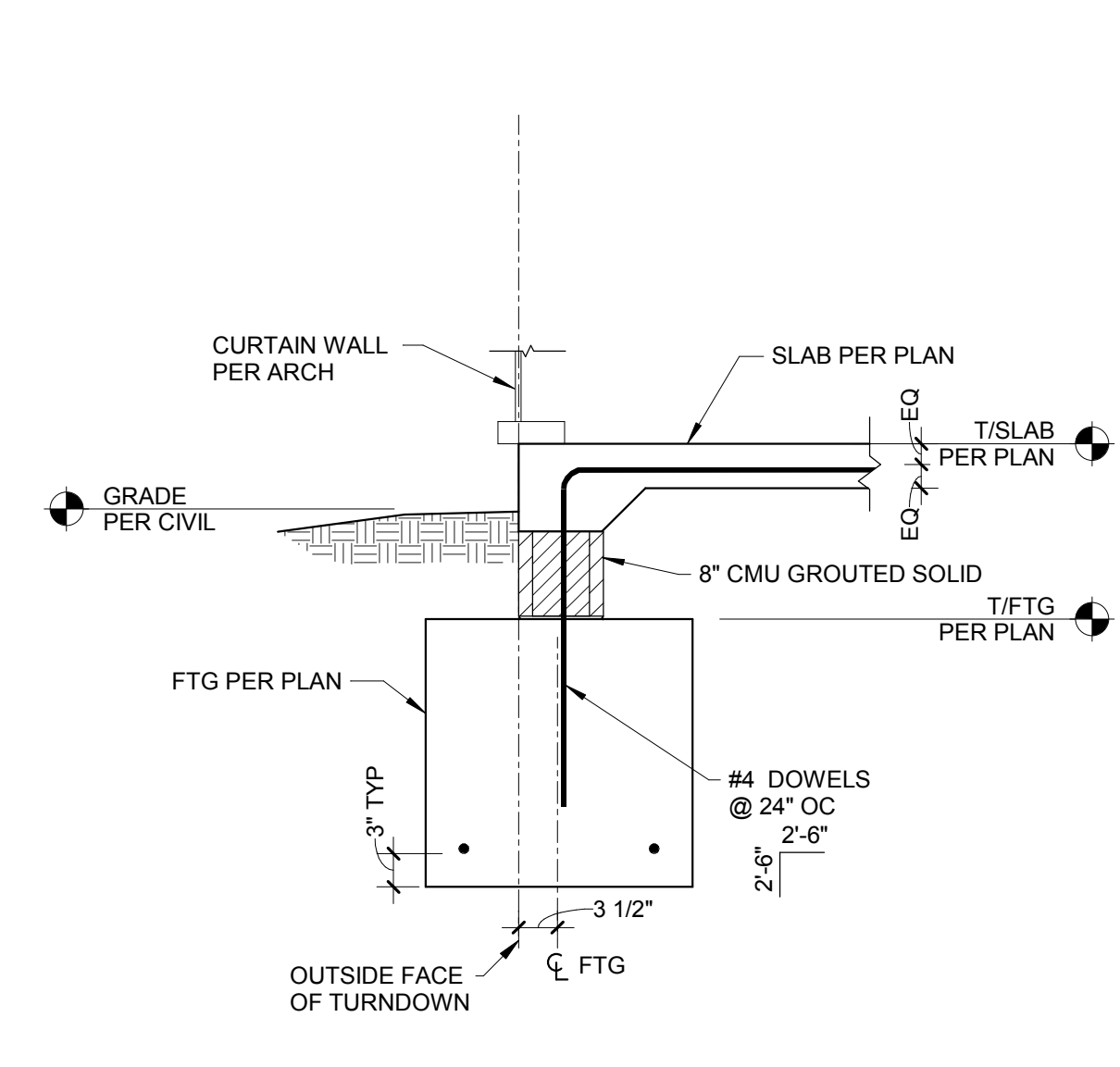
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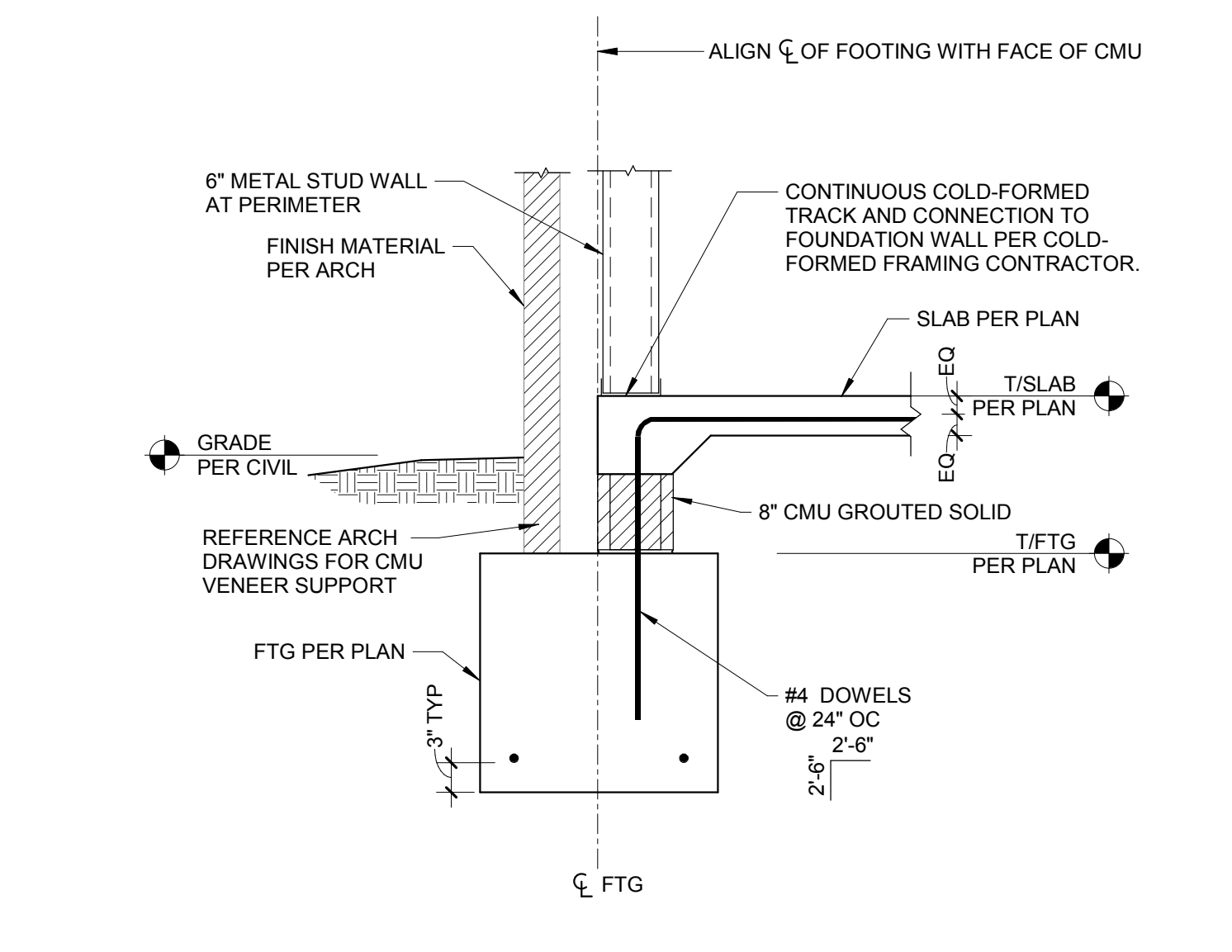
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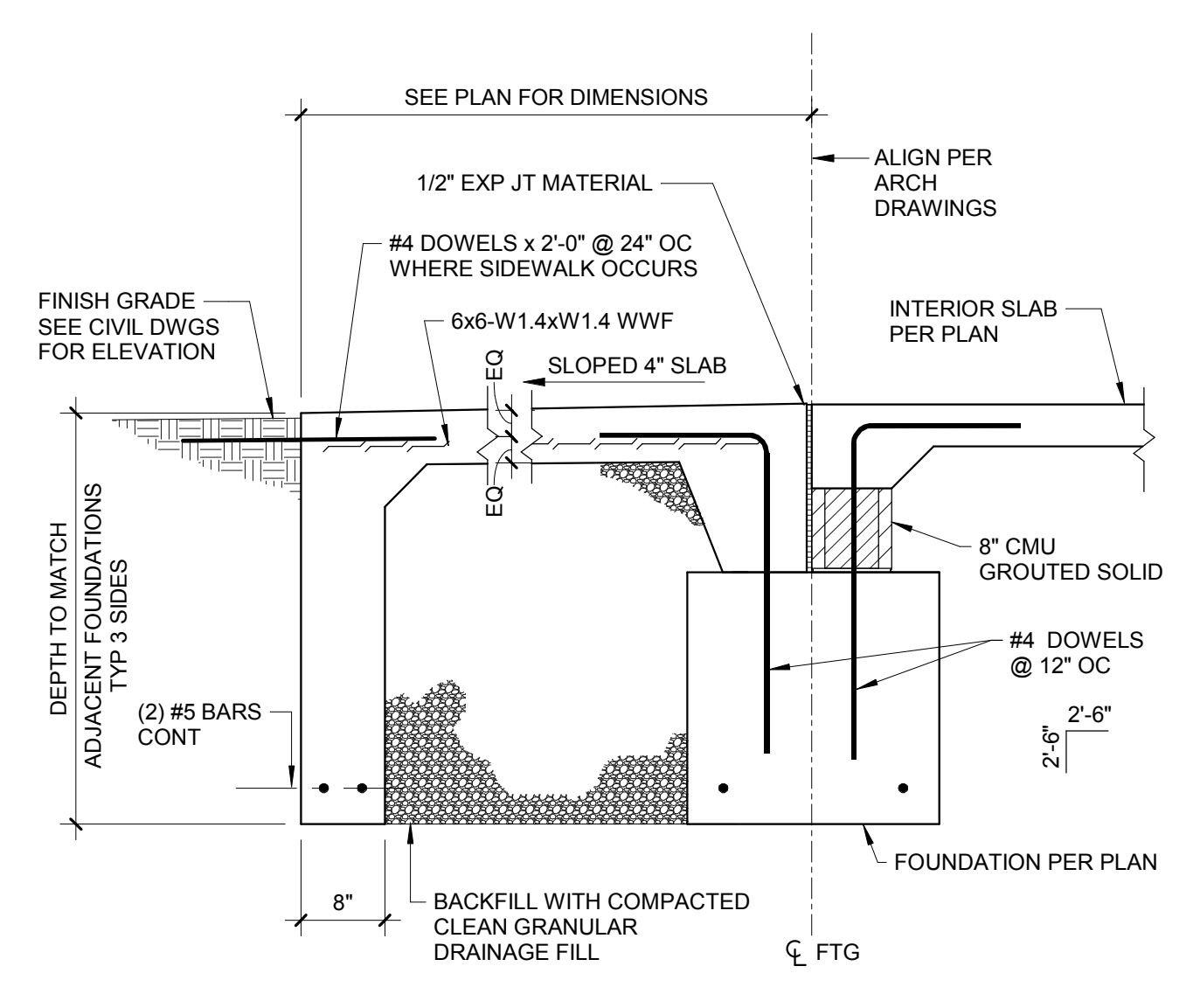
7 SECTION
S302 N.T.S.



8 SECTION
S302 N.T.S.



9 SECTION
S302 N.T.S.



10 SECTION
S302 N.T.S.

PORTER COUNTY -
TRUSTEES OFFICE
PORTAGE, IN

DAVID A. CLARK
REGISTERED
No. PE11200028
STATE OF
INDIANA
PROFESSIONAL ENGINEER
David A. Clark

CERTIFIED BY

ISSUANCE INDEX
DATE: 08.20.18
PROJECT PHASE: 100% CONSTRUCTION DOCUMENTS - BP1

REVISION SCHEDULE
NO. DESCRIPTION DATE

Project Number 2017.01279

FOUNDATION
SECTIONS AND
DETAILS

S302

STEEL DECK SCHEDULE										
MARK	HEIGHT	GAUGE	TYPE	FINISH	SUPPORT FASTENER TYPE	PERIMETER SUPPORT FASTENER PATTERN	INTERIOR SUPPORT FASTENER PATTERN	SIDLAP FASTENER TYPE	SIDLAP FASTENER PATTERN	NOTES
D1	1-1/2"	22 GA	TYPE B	PAINTED	5/8" DIA PUDDLE WELDS	SEE BELOW	36/4	#10 TEK SCREWS	2 PER SPAN	

1-1/2" DECK FASTENER PATTERN DIAGRAM

SUPPORT FASTENER PATTERN DEFINITION

36/7 PATTERN
36/5 PATTERN
36/4 PATTERN
36/3 PATTERN

36" COVERAGE

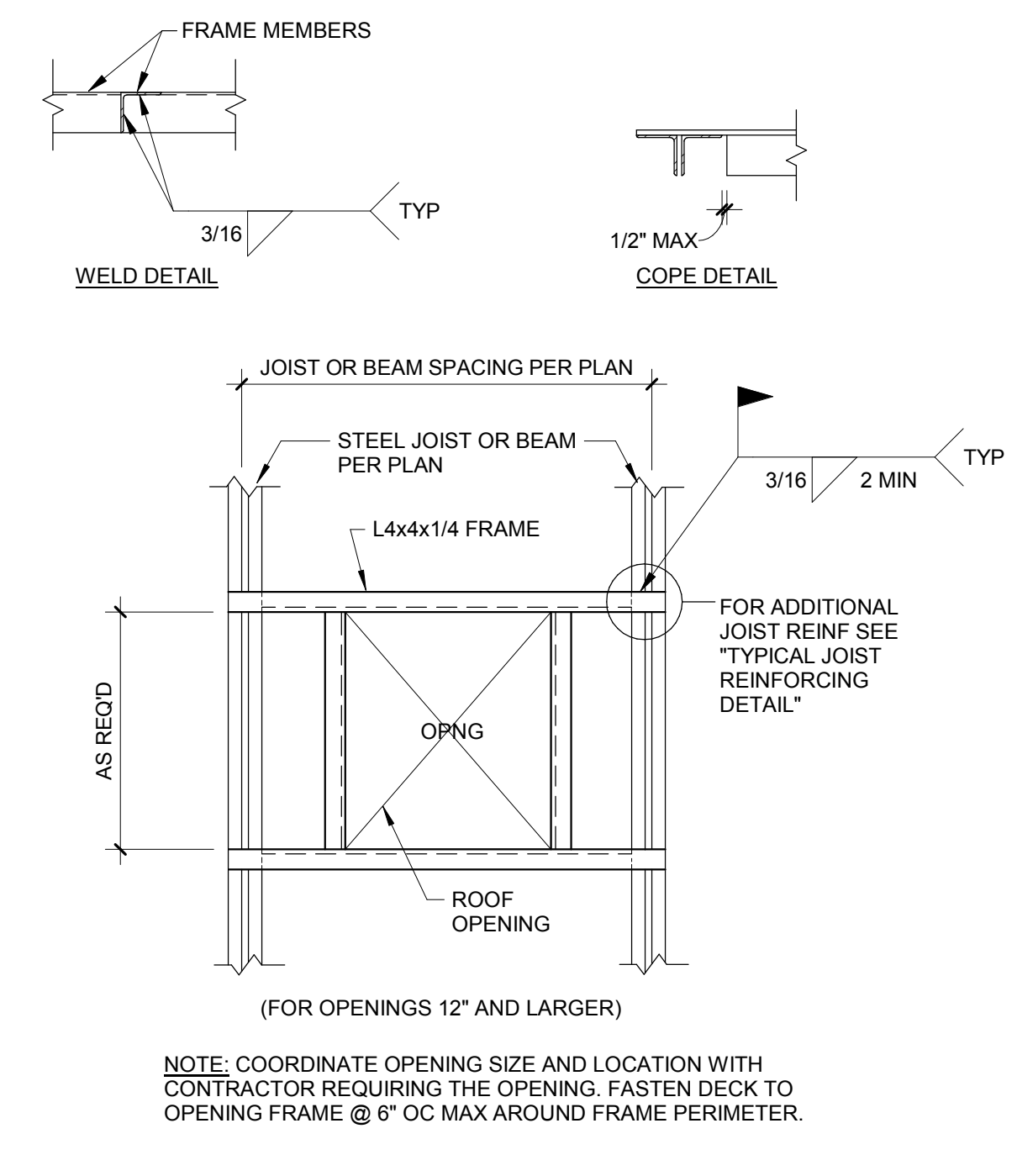
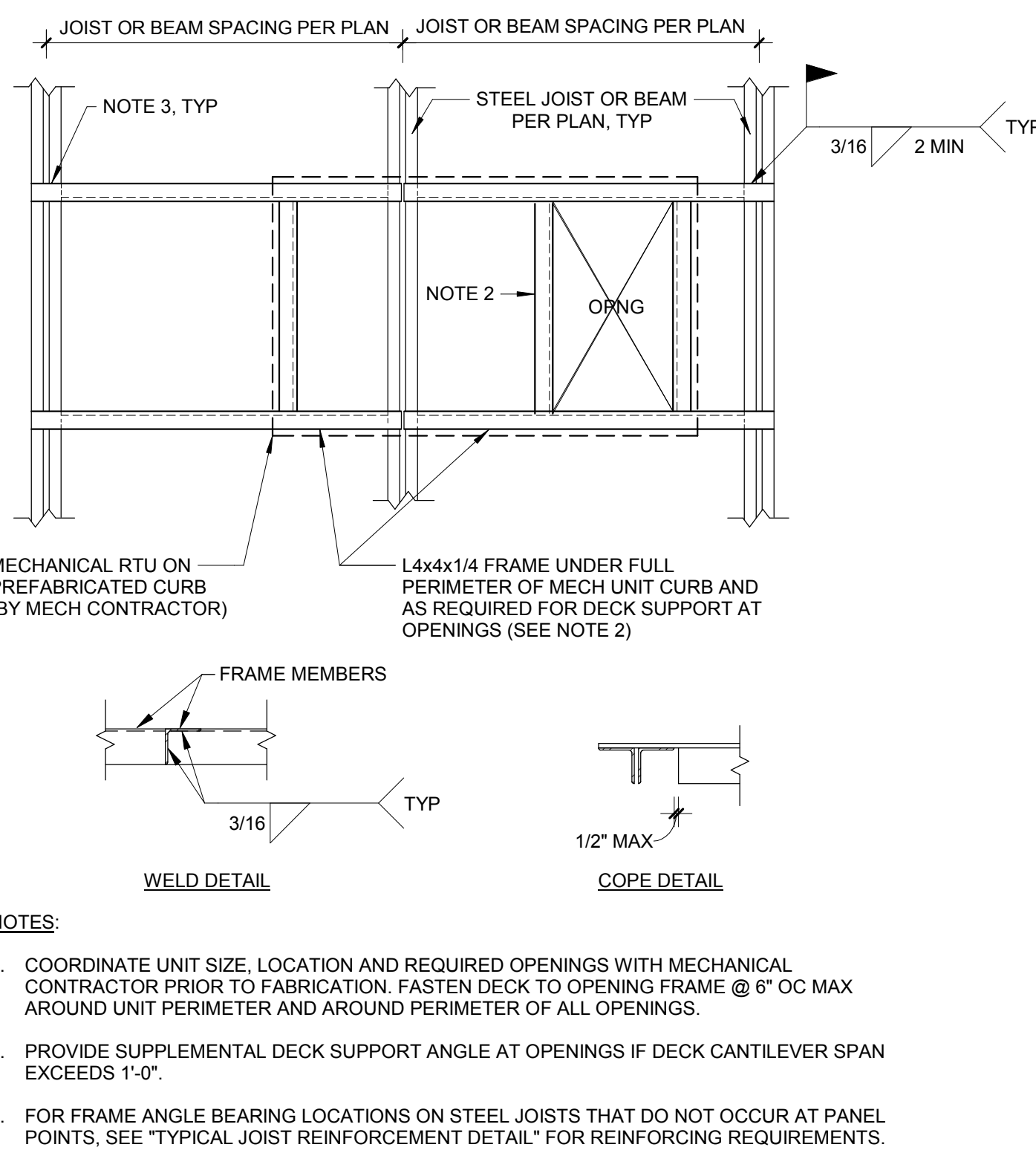
DECK PERPENDICULAR TO SUPPORT
DECK PARALLEL TO SUPPORT

PERIMETER SUPPORT FASTENER PATTERN PER SCHEDULE
INTERIOR SUPPORT FASTENER PATTERN PER SCHEDULE
SUPPORT FASTENER TYPE PER SCHEDULE
SIDLAP FASTENER TYPE AND PATTERN PER SCHEDULE
BEAM OR JOIST
SEE PLAN
SHEET WIDTH

FASTENER REQUIRED AT ALL SIDLAP SUPPORT POINTS

NOTES:

- FASTEN THROUGH MULTIPLE SHEETS AT ALL END AND SIDE LAPS.
- END LAPS SHALL OCCUR ONLY AT SUPPORT POINTS.
- DECK SHALL BE INSTALLED IN A MINIMUM THREE SPAN CONDITION WHEREVER POSSIBLE. WHERE THREE SPAN CONDITION IS NOT POSSIBLE, NOTIFY STRUCTURAL ENGINEER PRIOR TO FABRICATION OF DECK SO THAT EVALUATION OF THE LESSER SPAN CONDITION(S) CAN BE PERFORMED.



STEEL LINTEL SCHEDULE				
MARK	SECTION	LENGTH	TYPE	NOTES
L1	L3 1/2 x 3 1/2 x 5/16	PER ARCH	A	
L2	L5 x 3 1/2 x 5/16	PER ARCH	A	
L3	L6 x 3 1/2 x 1/2 (LLV)	PER ARCH	A	

TYPES:

A

STEEL LINTEL SCHEDULE NOTES:

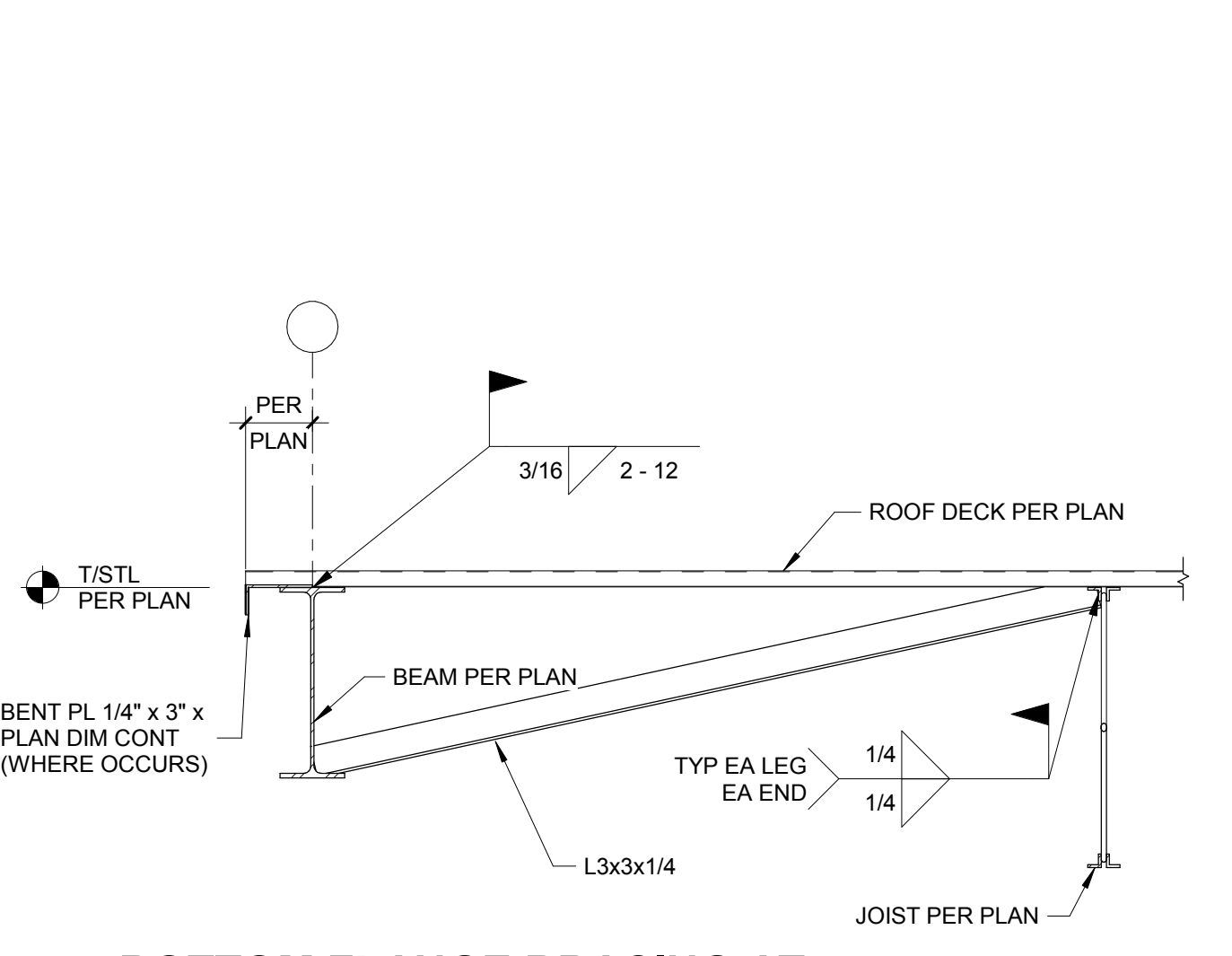
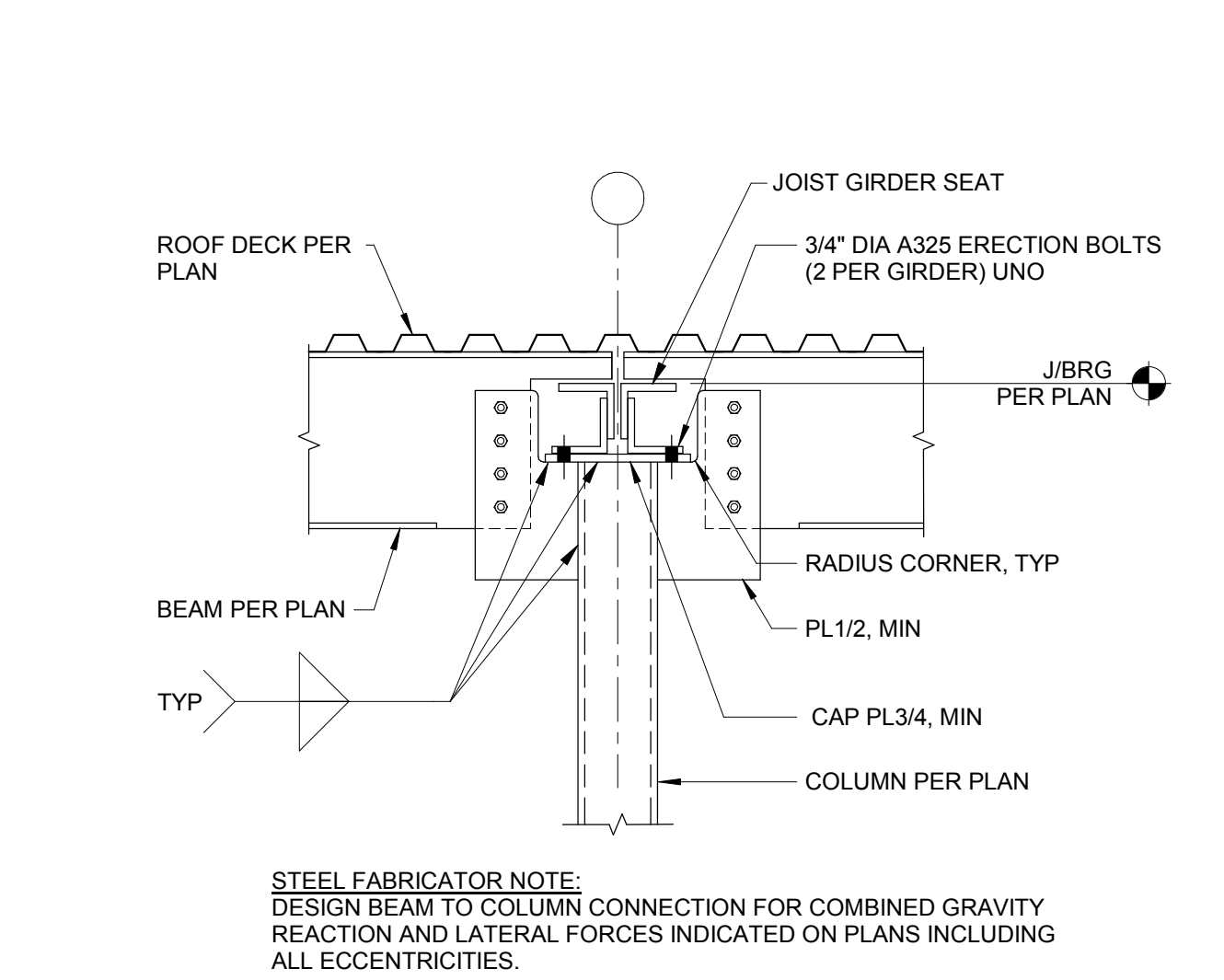
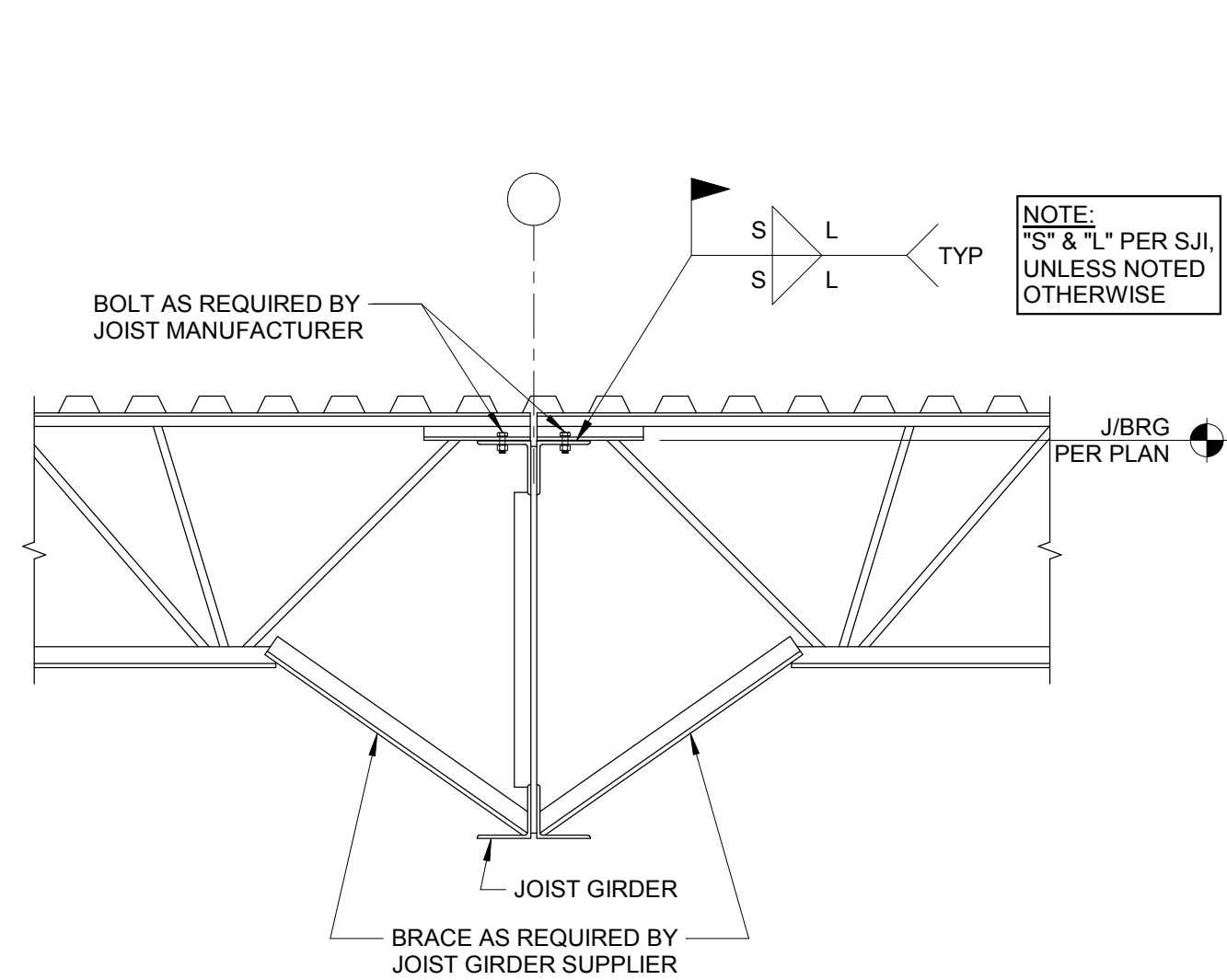
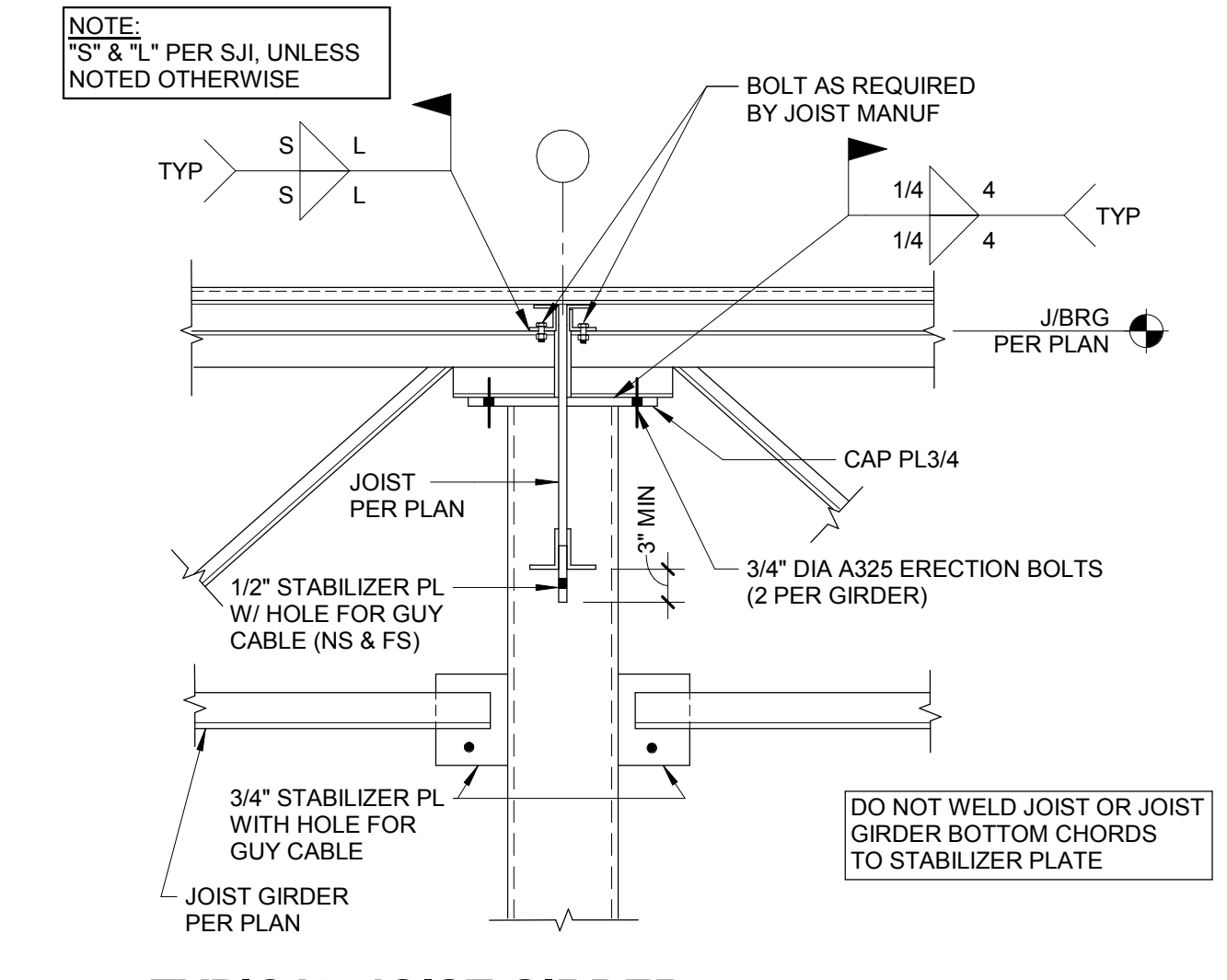
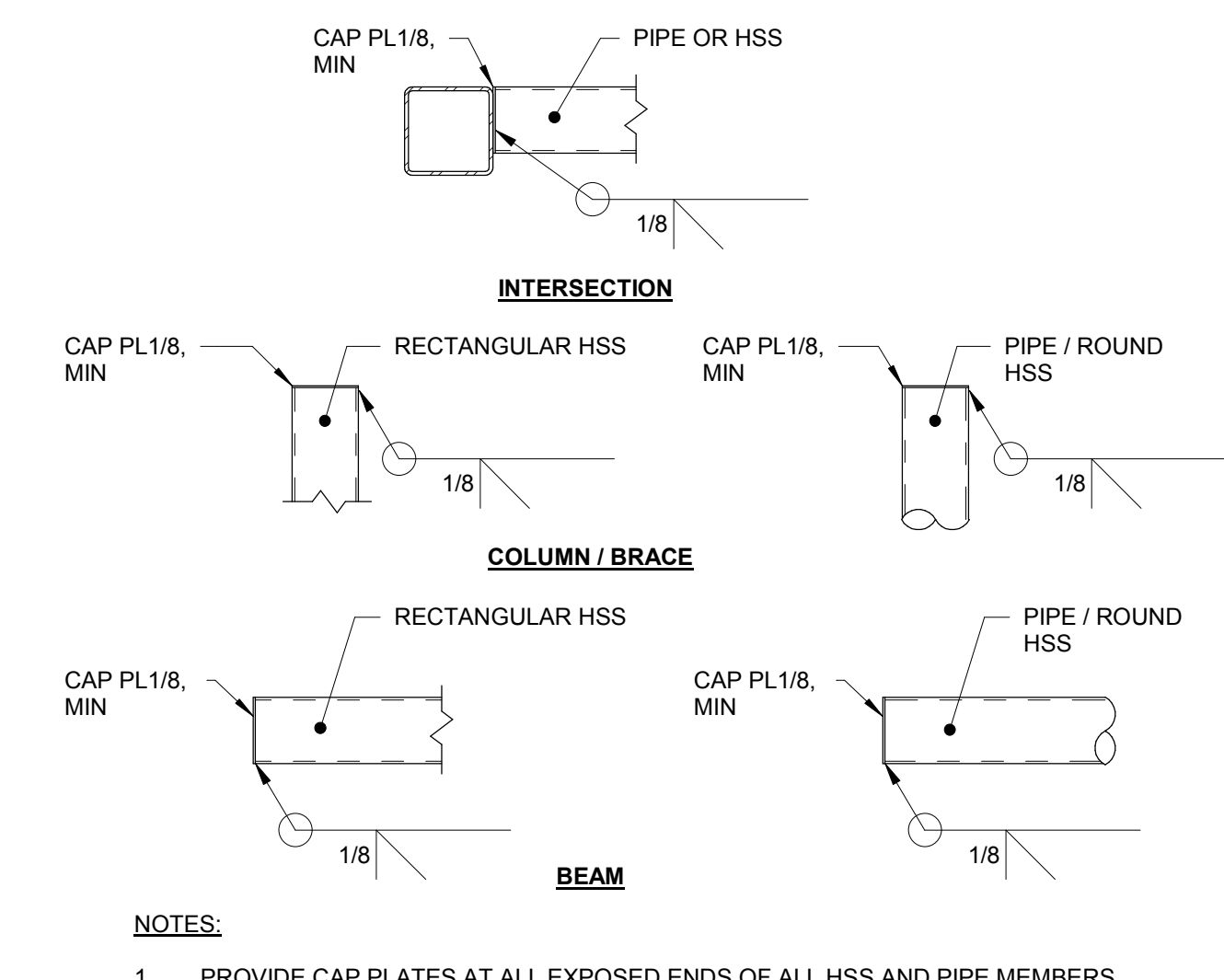
- ALL LINTELS BEAR 0'-8" ONTO SUPPORTING WALLS, UNO.
- ALL STEEL LINTELS AND SHELF ANGLES IN EXTERIOR WALLS SHALL BE GALVANIZED.
- BOTTOM PLATES SHALL EXTEND THE FULL LENGTH OF THE LINTEL, INCLUDING BEARING LENGTH, UNO.
- AT CMU INFL (SOAPS) AT STEEL LINTELS, PROVIDE METAL ANCHORAGE AT EVERY COURSE @ 16" OC TO THE CMU TO STEEL.

1 S501 N.T.S.

2 S501 N.T.S.

3 S501 N.T.S.

4 S501 N.T.S.



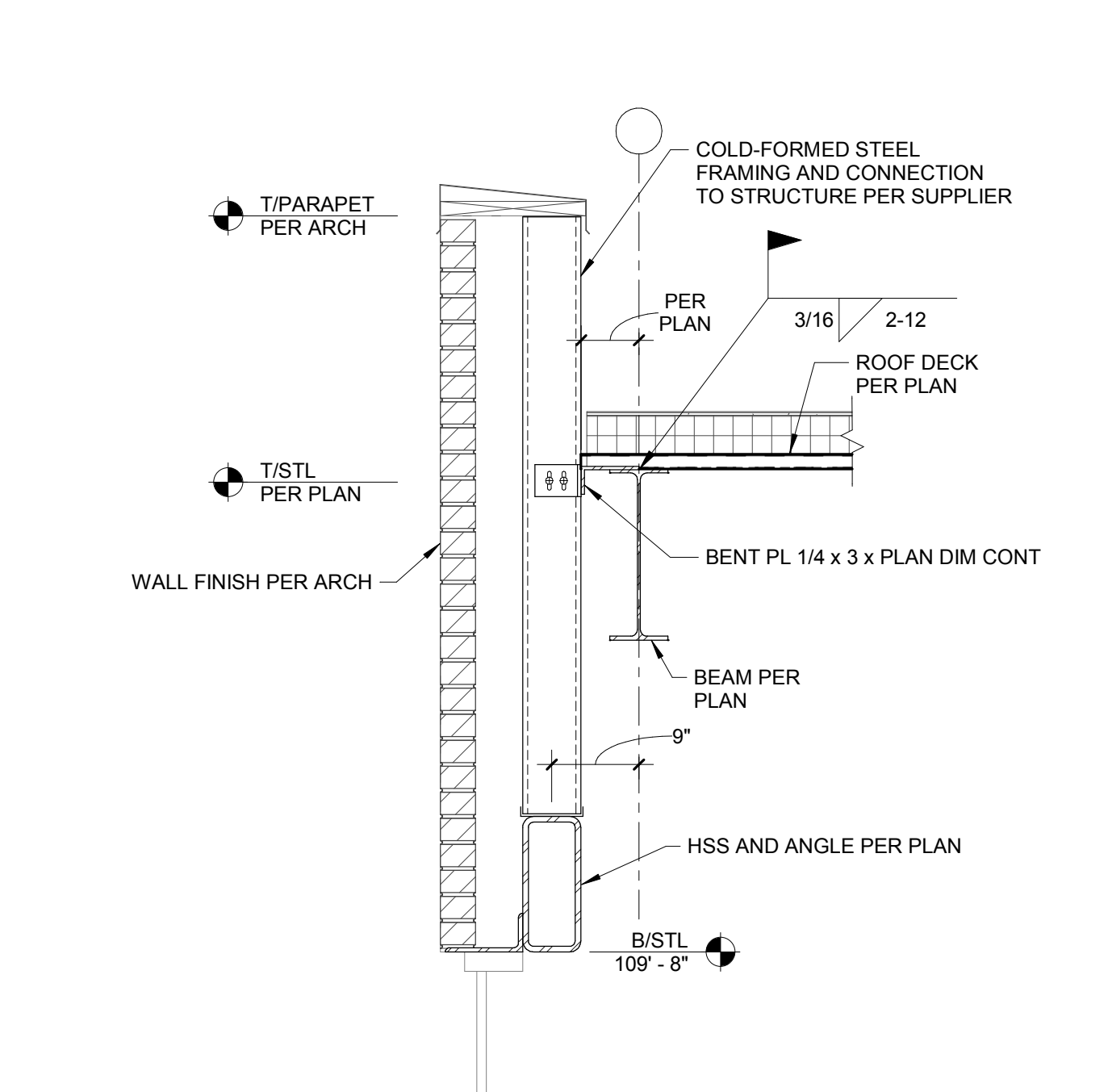
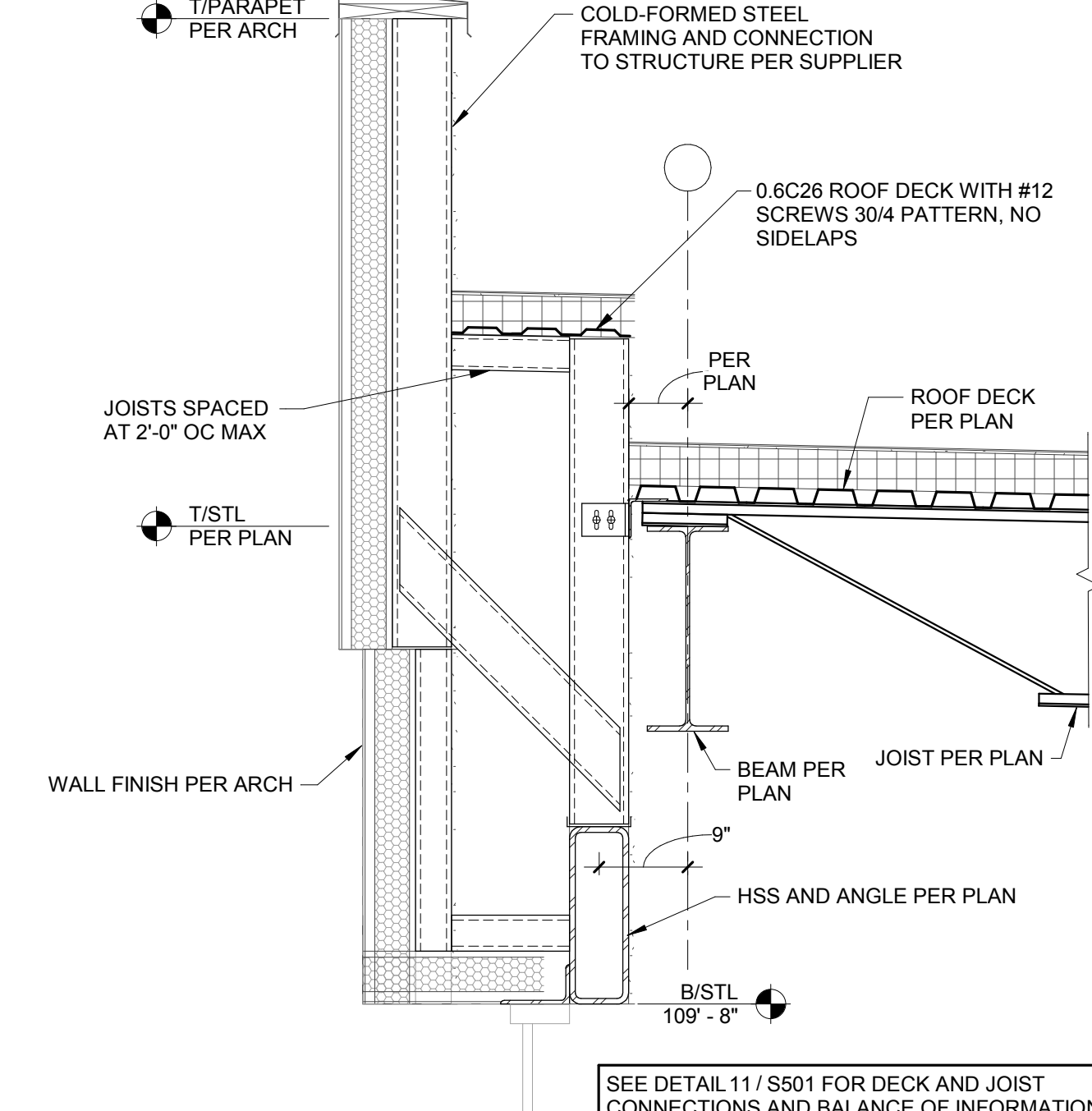
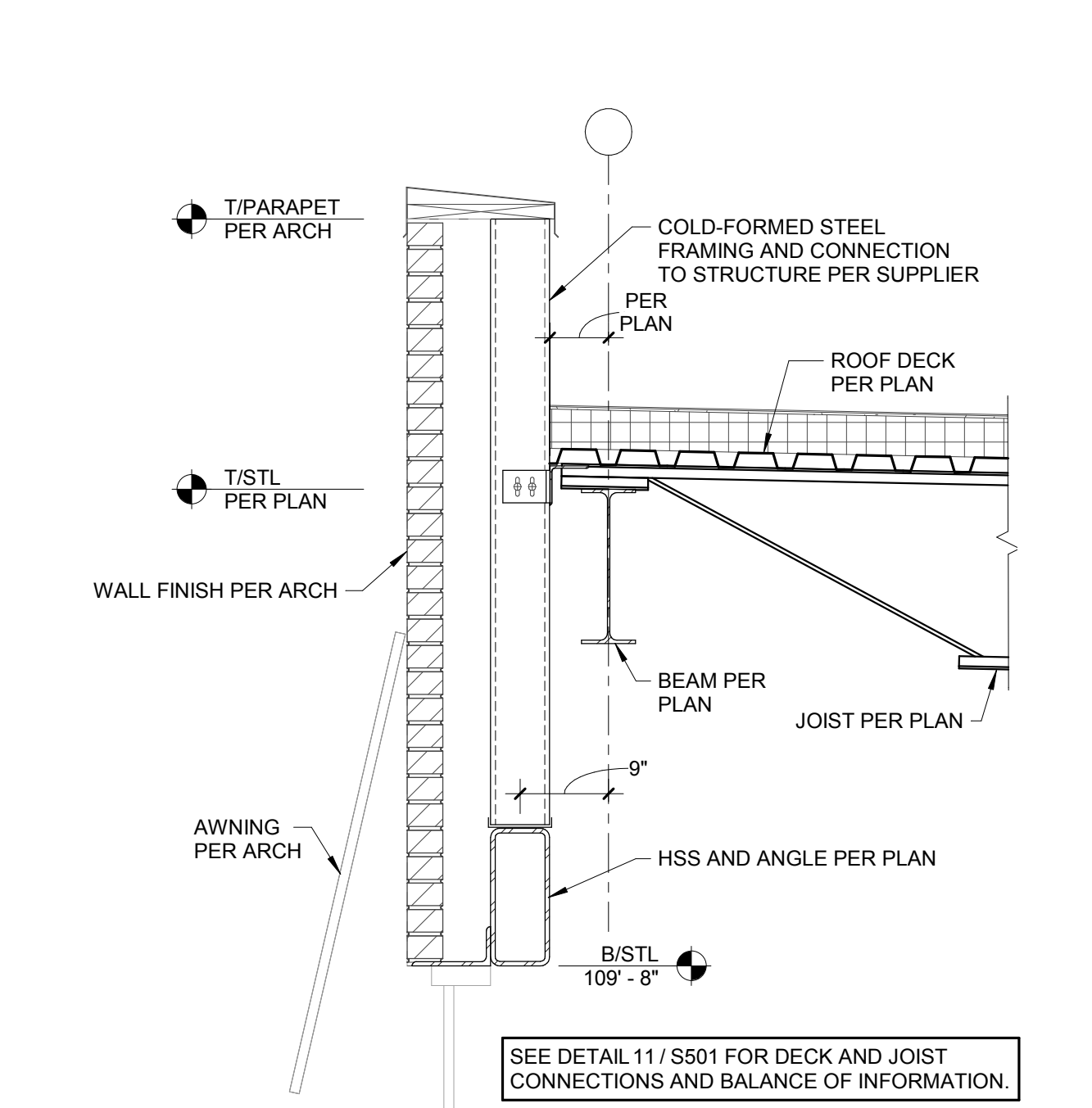
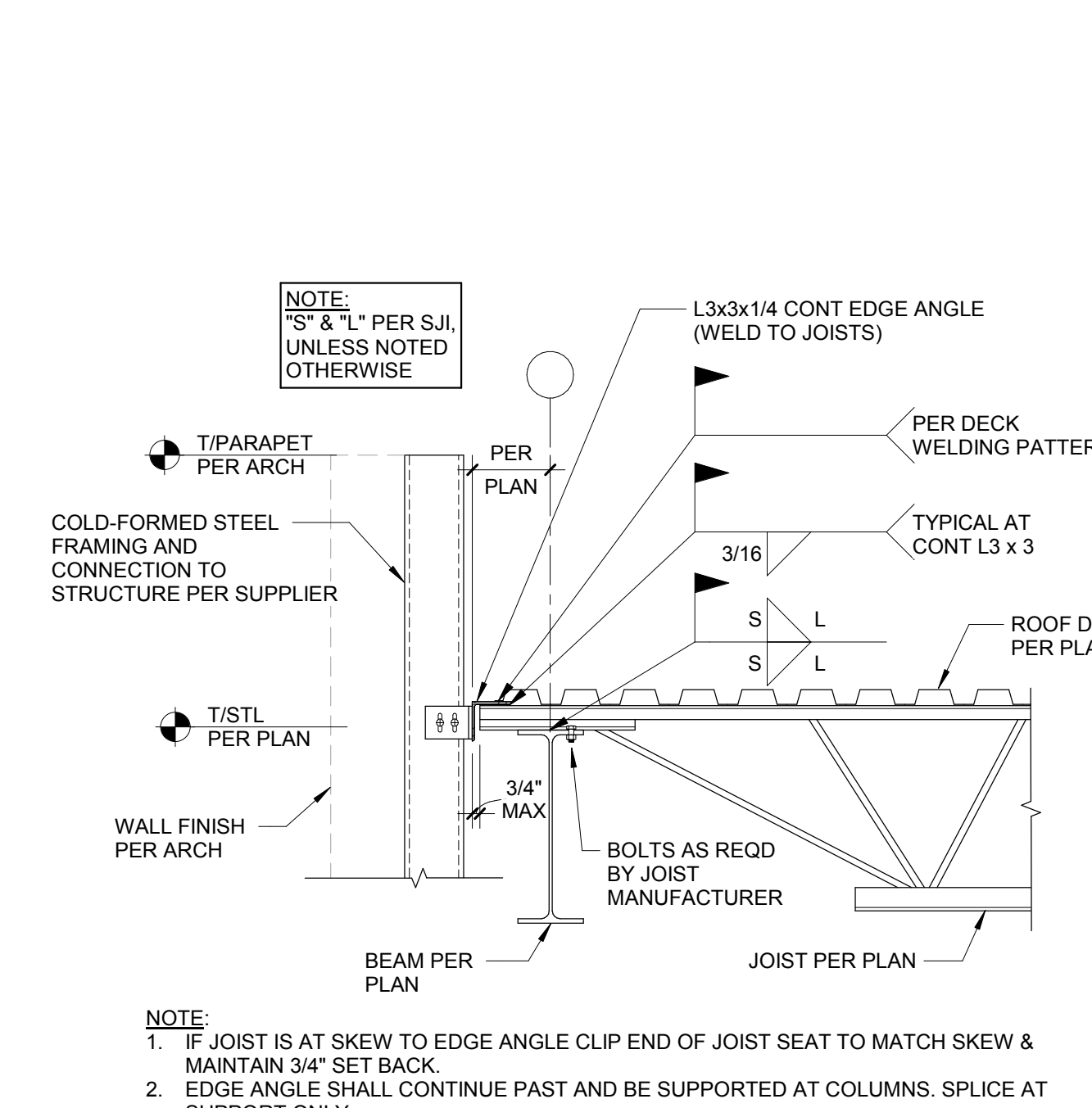
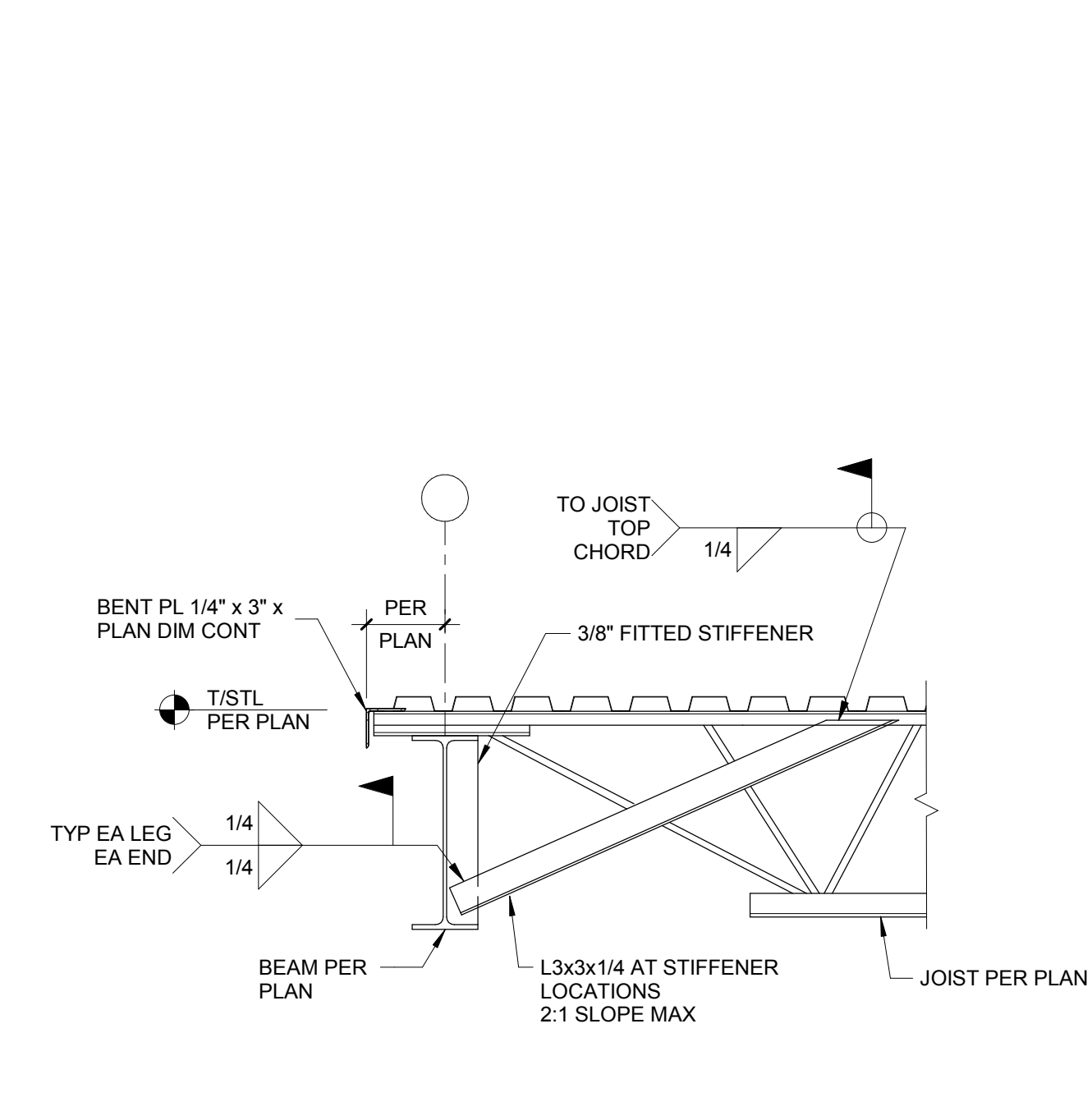
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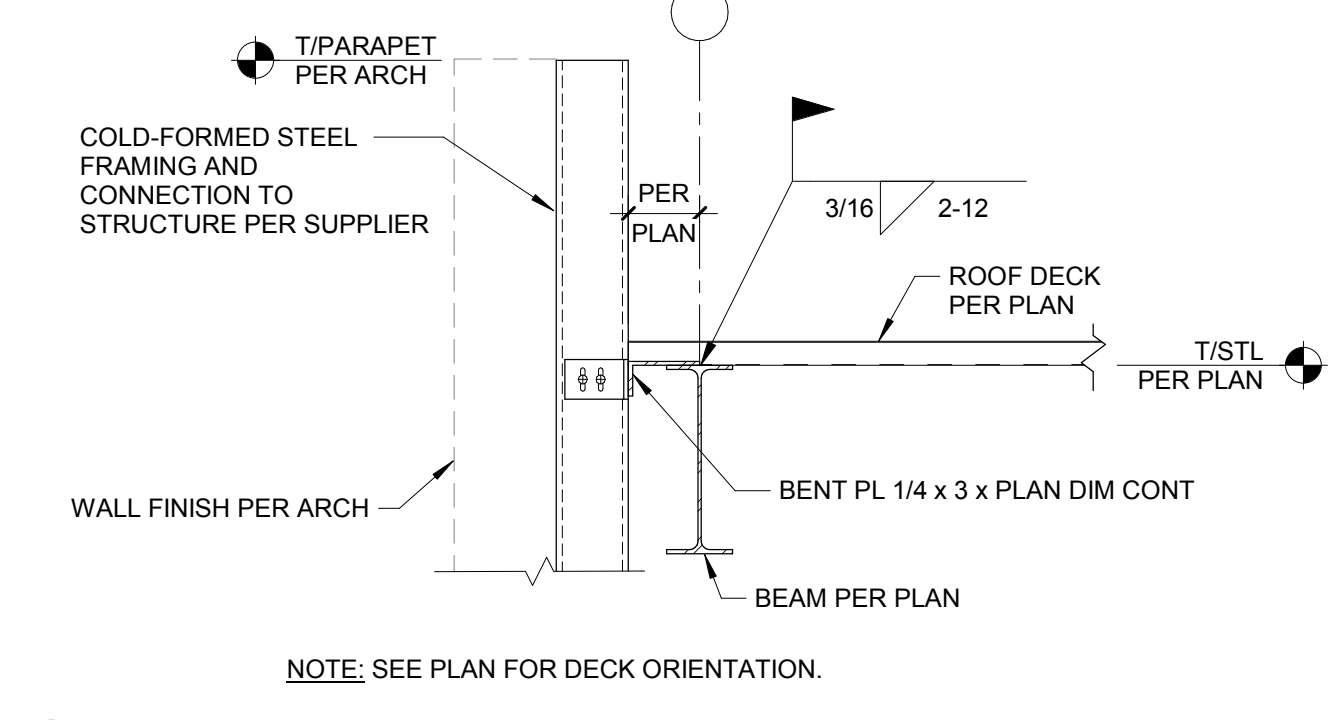
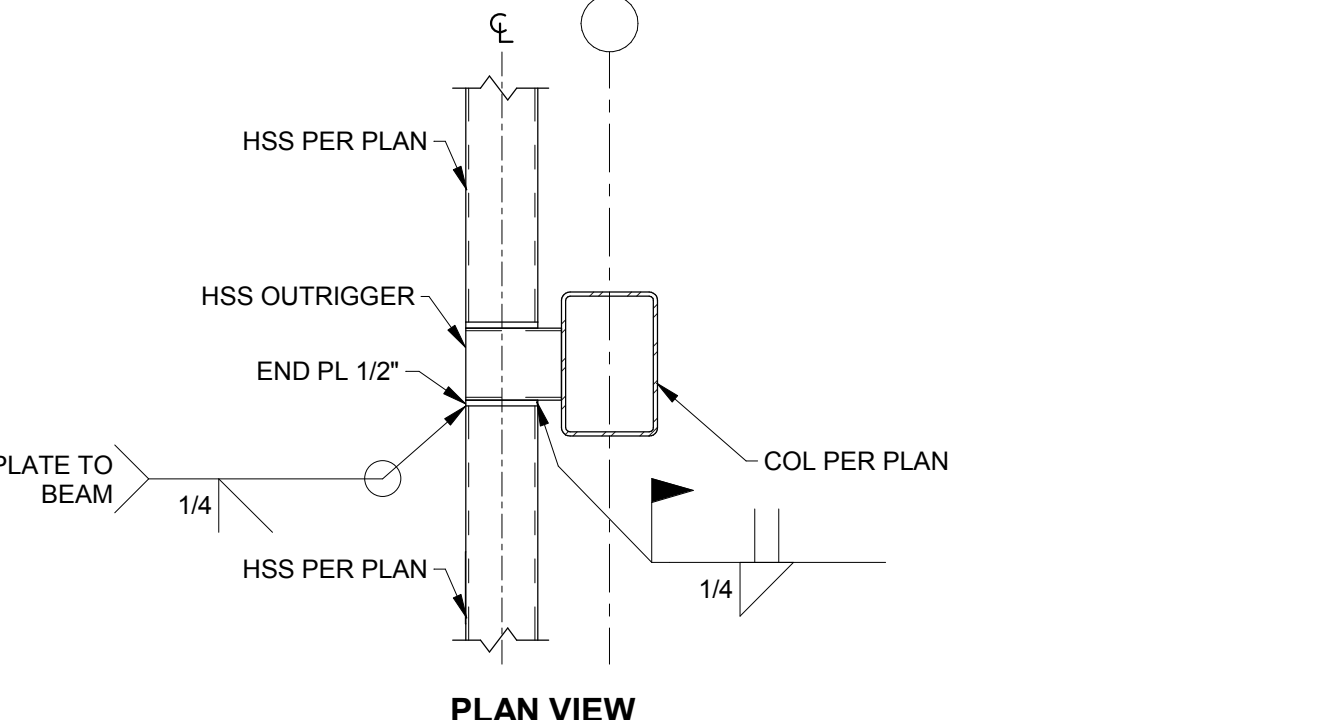
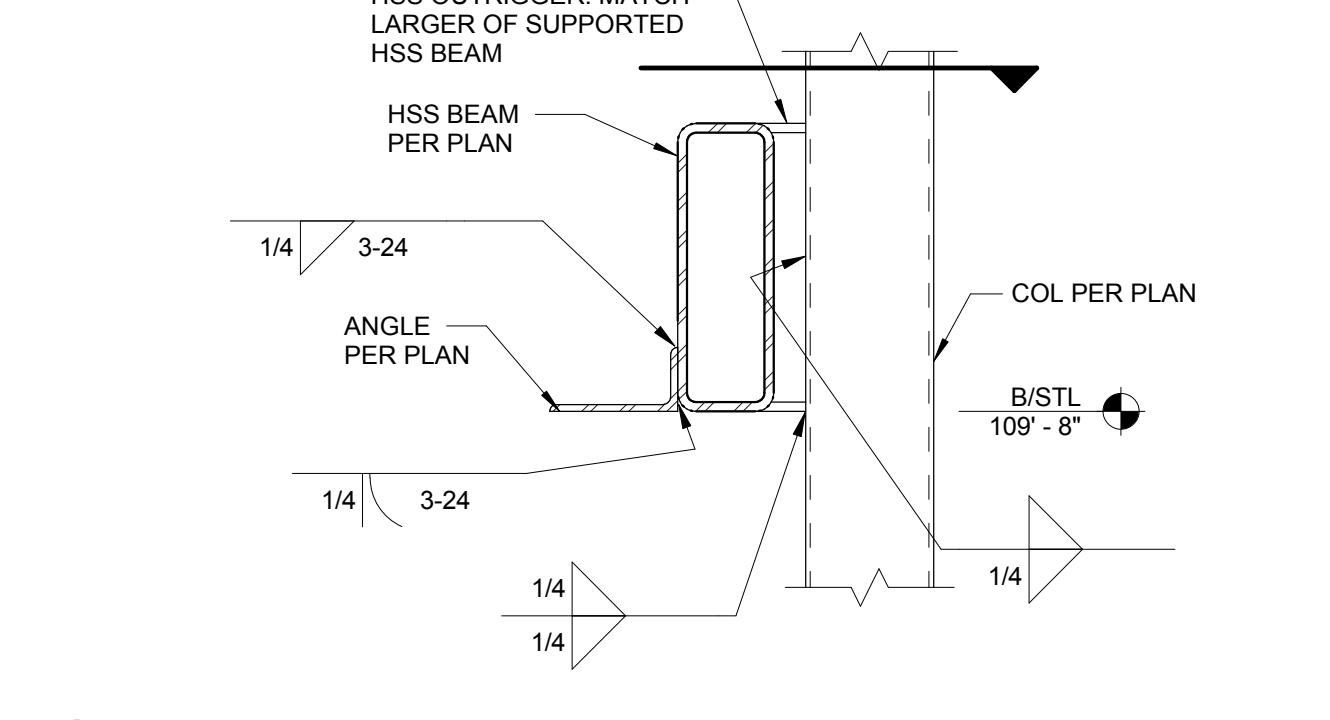
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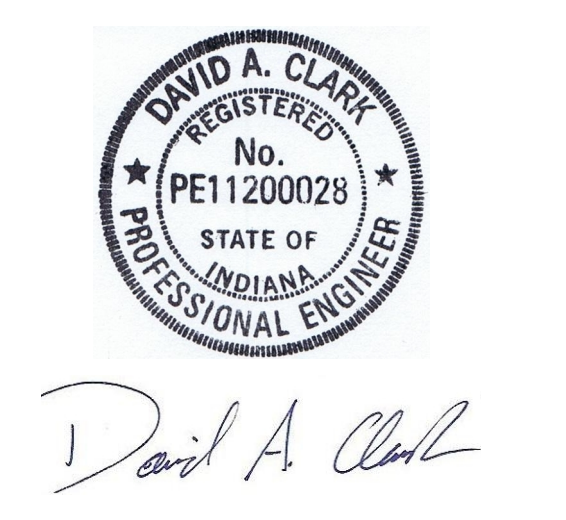
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16 S501 N.T.S.



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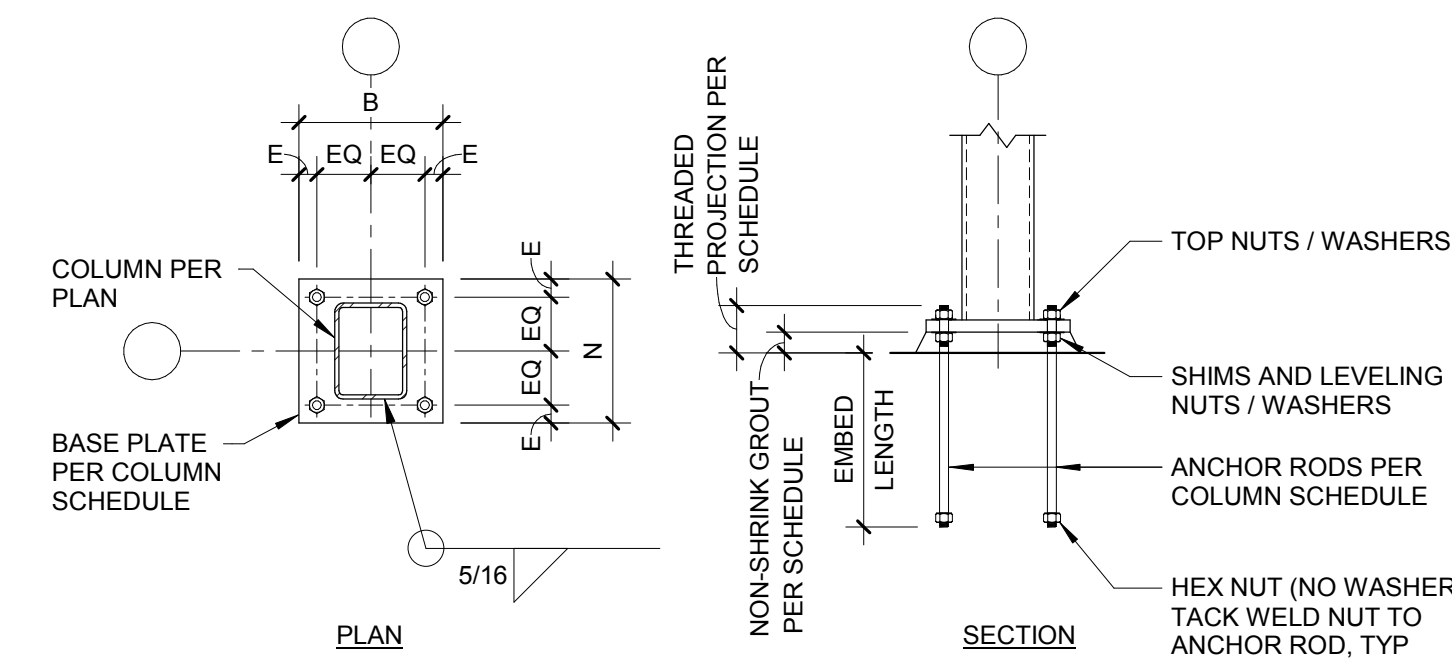
ISSUANCE INDEX	
DATE:	08.20.18
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NO.	DESCRIPTION	DATE



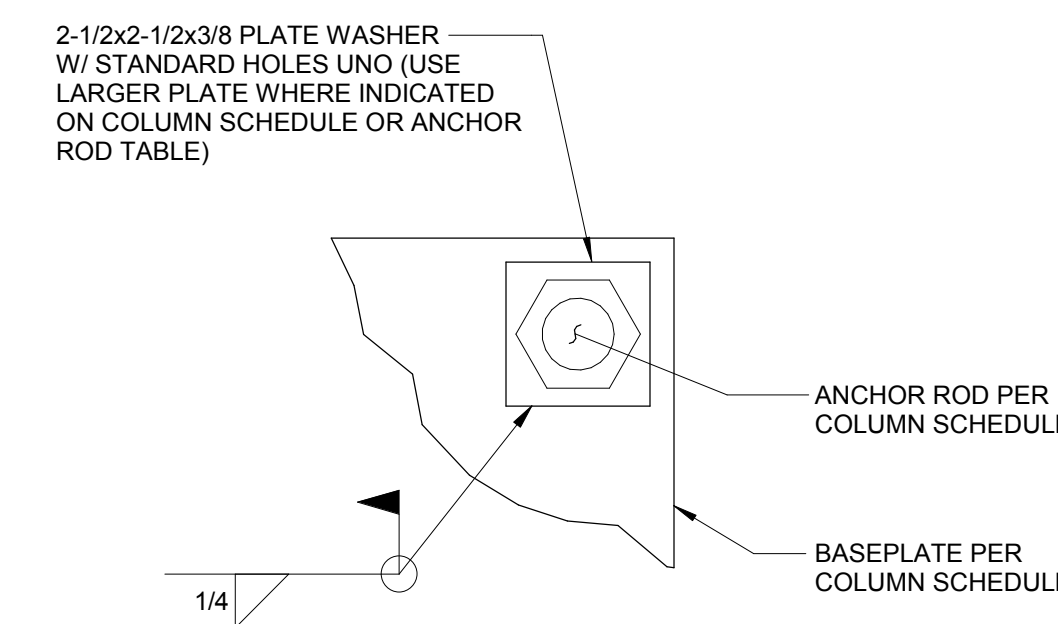
ROOF																												ROOF	
114' - 0"																												114' - 0"	
FIRST LEVEL	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS12X8X5/16	HSS12X8X5/16	HSS12X8X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS12X8X5/16	HSS12X8X5/16	HSS12X8X5/16	HSS4X4X5/16	HSS4X4X5/16	HSS4X4X5/16	FIRST LEVEL	
100' - 0"	BP1	BP1	BP1	BP3	BP3	BP3	BP1	BP1	BP1	BP1	BP2	BP2	BP2	BP2	BP2	BP2	BP3	BP1	BP1	BP1	BP1	BP3	BP3	BP3	BP3	BP1	BP1	BP1	100' - 0"
Column Locations	A-1	A-2	A-3	A-4	A-5	A-6	A-7	A-8	A-9	B-1	B-2	B-3	B-4.2	B-5	B-6	B-7	B-8	B-9	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9		

1
S511 COLUMN SCHEDULE
N.T.S.



NOTES:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT TEMPORARY SUPPORT OF COLUMN BASE PLATES USING LEVELING PLATES, LEVELING NUTS / WASHERS OR STEEL SHIMS (OR COMBINATION THEREOF) PRIOR TO PLACEMENT AND CURING OF NON-SHRINK GROUT.

2
S511 TYPICAL HSS COLUMN BASE DETAIL
N.T.S.



NOTES:
1. THIS DETAIL APPLIES AT ALL COLUMN ANCHOR RODS AT BRACED FRAMES AND MOMENT FRAMES UNO.

3
S511 TYPICAL WELDED PLATE WASHER DETAIL
N.T.S.

COLUMN BASE PLATE SCHEDULE					
MARK	PLATE SIZE B" X N" X T"	ANCHOR RODS		EMBED LENGTH	REMARKS
		QTY	DIA		
BP1	10" x 10" x 3/4"	4	3/4"	8"	SEE DETAIL
BP2	11" x 11" x 3/4"	4	3/4"	8"	SEE DETAIL
BP3	18" x 18" x 3/4"	4	3/4"	8"	SEE DETAIL

ANCHOR ROD TABLE						
ANCHOR ROD DIA	BASEPLATE HOLE DIA	MINIMUM WASHER SIZE	MINIMUM WASHER THICKNESS	MINIMUM PROJ ABOVE T/C/CONC	NON-SHRINK GROUT BED THK	MIN EDGE DISTANCE, E
3/4"	1 5/16"	2"	1/4"	8"	2"	1 1/2"
1"	1 13/16"	3"	3/8"	8"	2"	2"
1 1/4"	2 1/16"	3"	1/2"	10"	3"	2"
1 1/2"	2 5/16"	3 1/2"	1/2"	10"	3"	2 1/2"
1 3/4"	2 3/4"	4"	5/8"	10"	3"	3"

NOTES:
1. ANCHOR RODS ARE ASTM F1554 GR. 36 UNO.
2. PROVIDE WELDED PLATE WASHERS PER "TYPICAL WELDED PLATE WASHER DETAIL" AT ALL MOMENT FRAMES AND BRACED FRAMES.

4
S511 COLUMN BASE PLATE SCHEDULE AND ANCHOR ROD TABLE
N.T.S.

PORTER COUNTY -
TRUSTEES OFFICE
PORTAGE, IN



David A. Clark

CERTIFIED BY

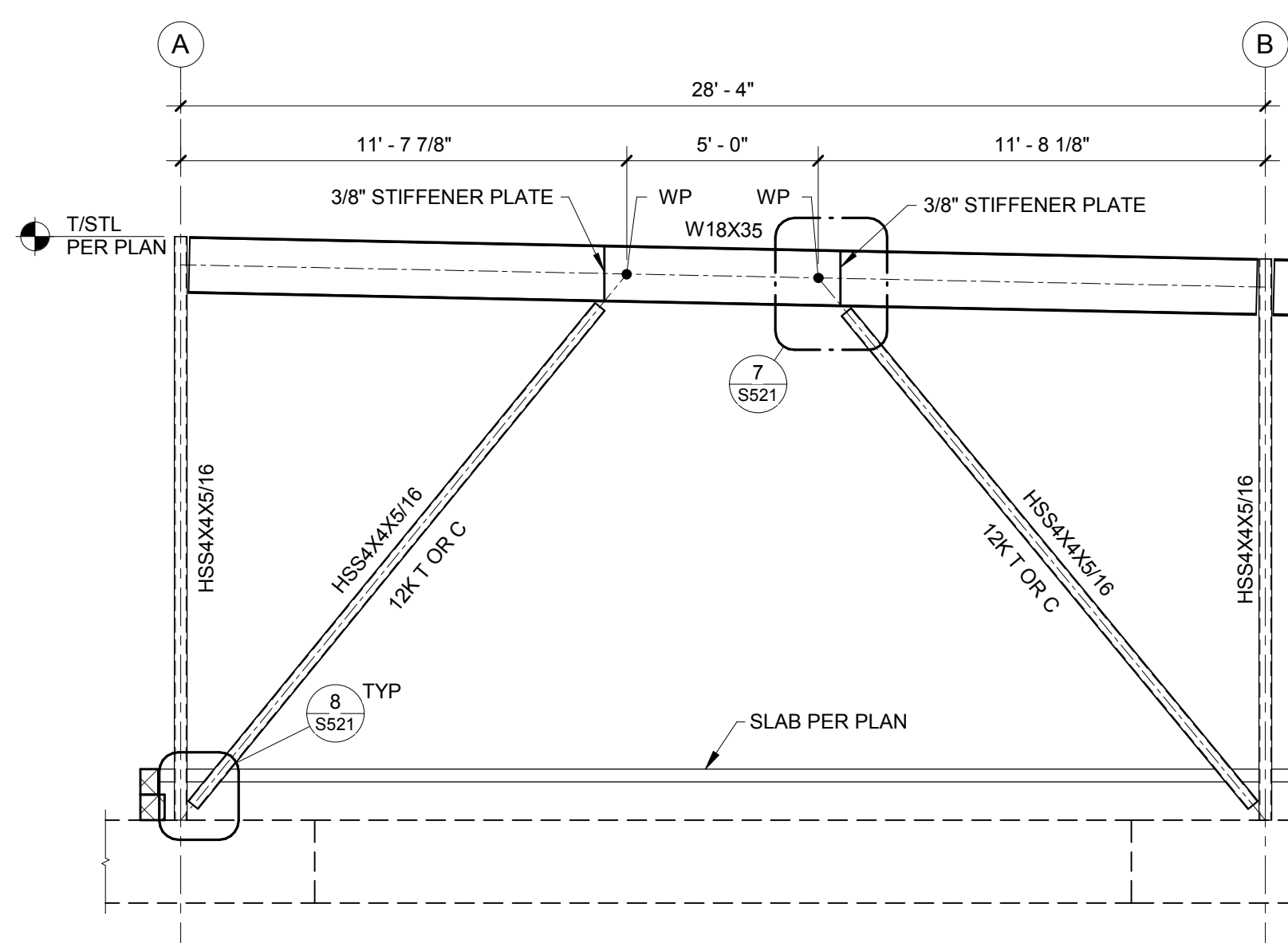
ISSUANCE INDEX
DATE: 08.20.18
PROJECT PHASE: 100% CONSTRUCTION DOCUMENTS - BP1

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

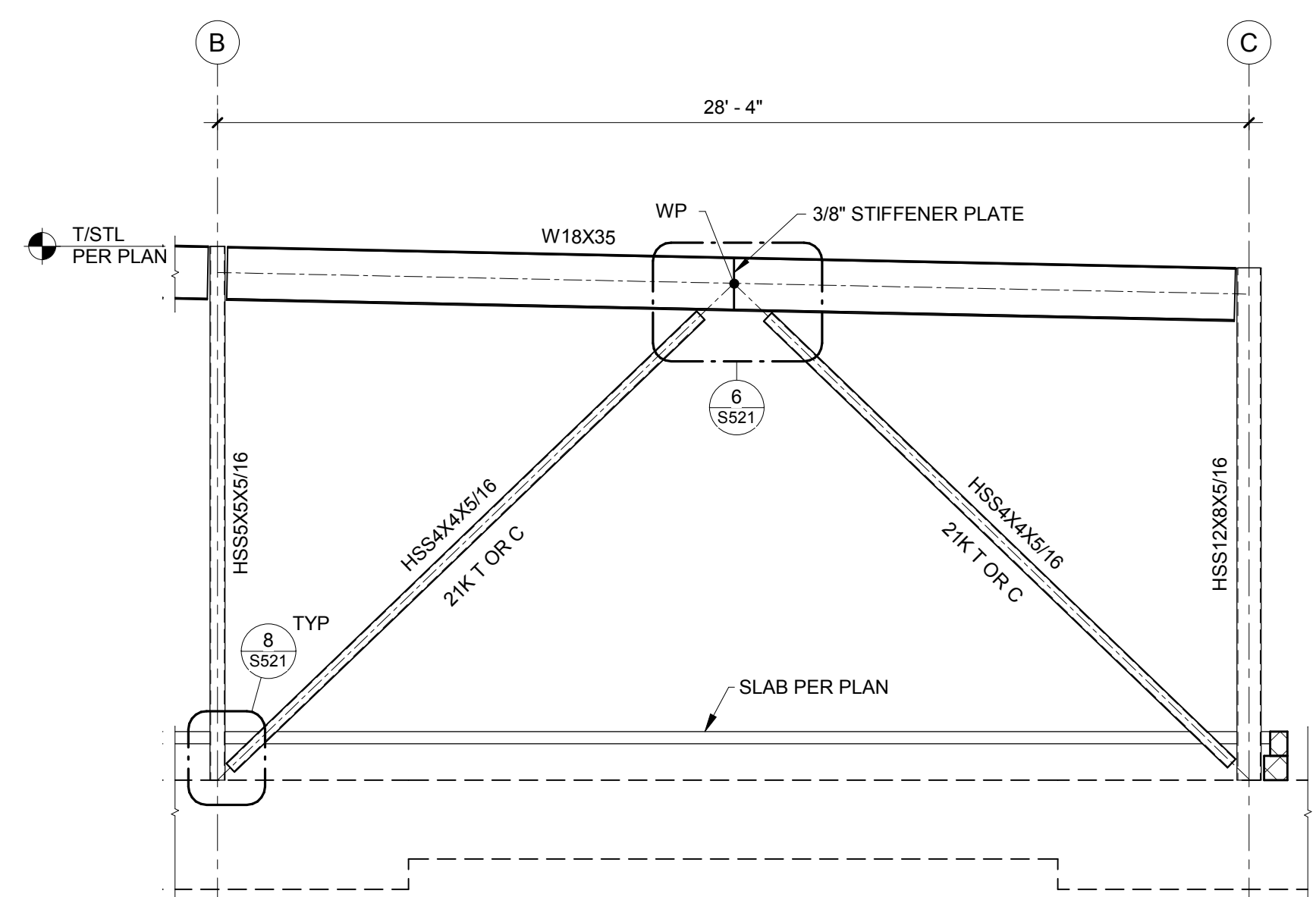
Project Number 2017.01279

STEEL COLUMN AND
BASE PLATE
SCHEDULES

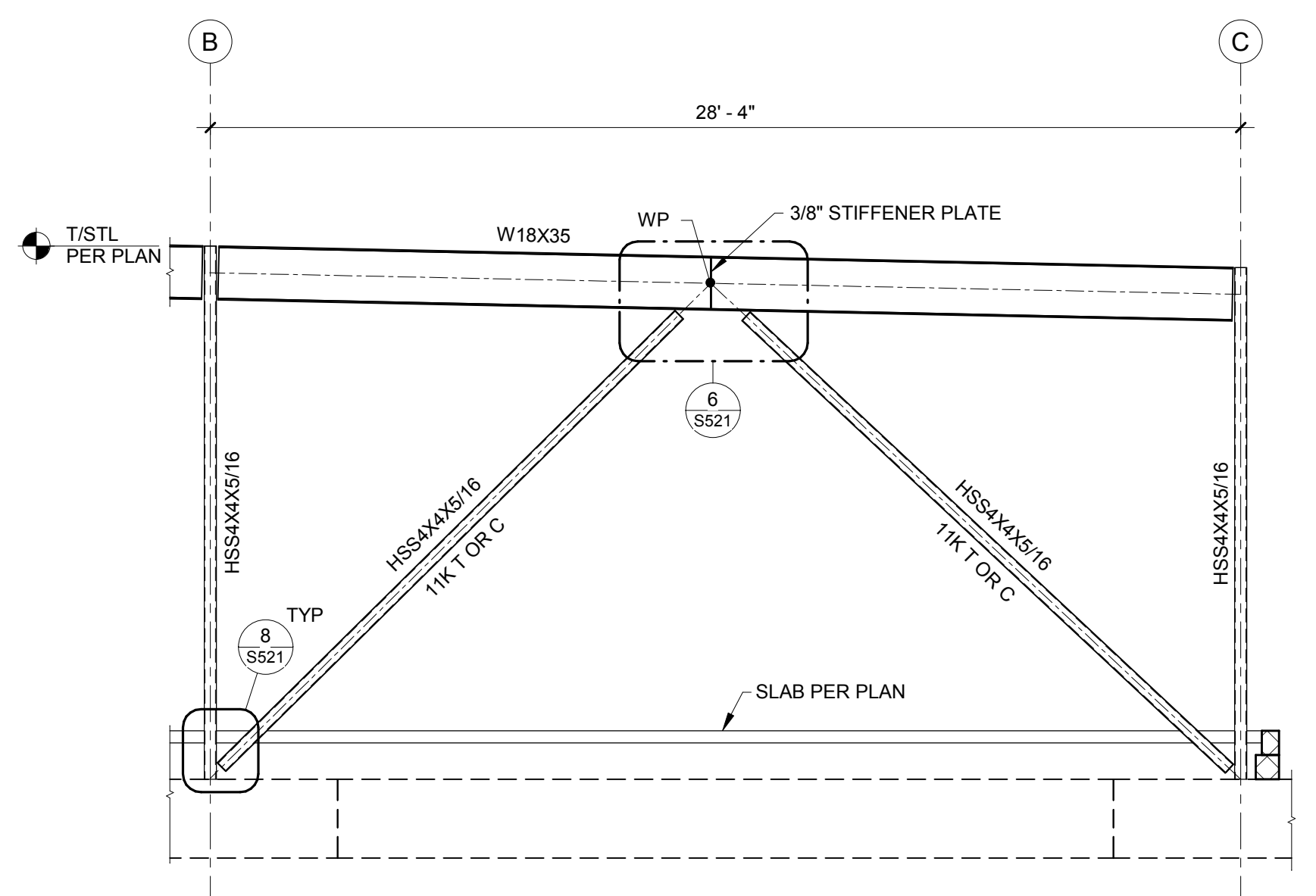
S511



1 BRACE ELEVATION AT LINE 1
1/4" = 1'-0"



2 BRACE ELEVATION AT LINE 5
1/4" = 1'-0"



3 BRACE ELEVATION AT LINE 9
1/4" = 1'-0"

BRACING GENERAL NOTES

- FORCES SHOWN ARE THE MORE CRITICAL OF ALL APPLICABLE BUILDING CODE ASD LOAD COMBINATIONS.
- CONNECTIONS SHALL BE DESIGNED FOR BRACE FORCE INDICATED ON ELEVATION ACTING CONCURRENTLY WITH BEAM REACTION AND ANY INDICATED TRANSFER FORCES. ECCENTRICITY SHALL BE CONSIDERED IN DESIGN OF CONNECTION.
- EACH MEMBER'S CONNECTION SHALL BE SYMMETRIC ABOUT THE CENTER OF GRAVITY OF THAT MEMBER.
- ALL BOLTED CONNECTIONS SHALL HAVE FULLY TENSIONED HIGH STRENGTH BOLTS WITH CLASS A FAYING SURFACES.
- SLOT IN BRACE AT GUSSET NO LARGER THAN GUSSET THICKNESS + 1/16"
- ABBREVIATIONS:
T = TENSION
C = COMPRESSION

GENERAL:
ALL BRACING CONNECTIONS SHALL BE DESIGNED BY THE STEEL FABRICATOR. UNO BRACE DETAILS INDICATED ON THE STRUCTURAL DRAWINGS ARE PROVIDED TO SHOW CONNECTION CONCEPT ONLY AND ARE NOT TO BE CONSIDERED A FINAL DESIGN. FABRICATOR'S REGISTERED PROFESSIONAL ENGINEER SHALL DESIGN AND DETAIL ALL FINAL CONNECTIONS AS REQUIRED TO SAFELY TRANSFER THE DESIGN FORCES AND ALLOW FOR FIELD FIT-UP AND ERECTION TOLERANCES.

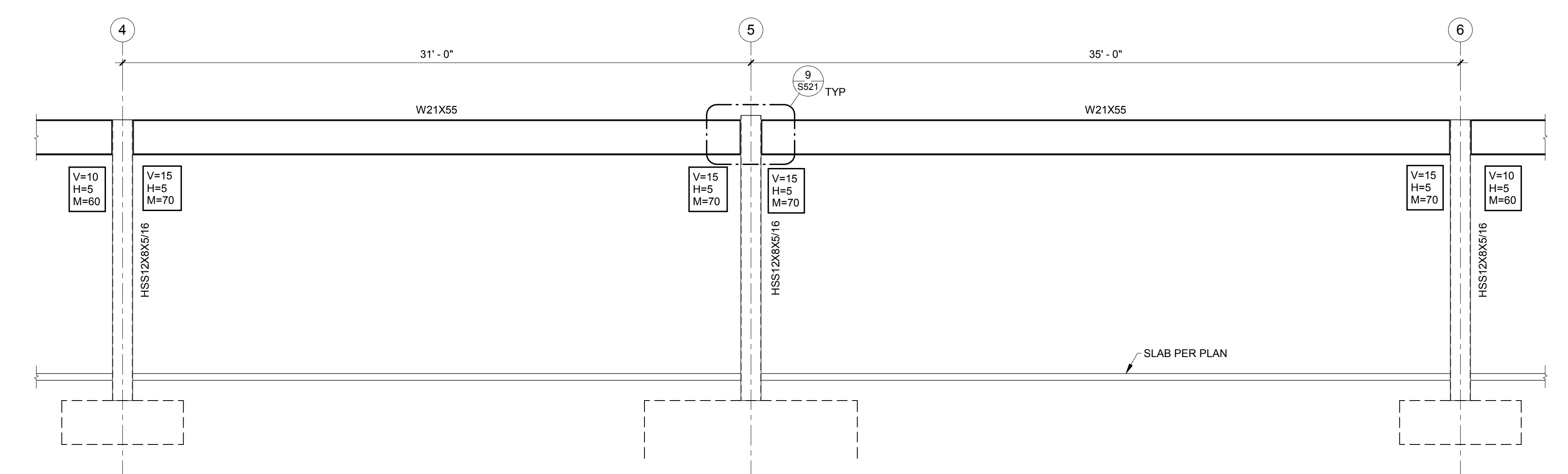
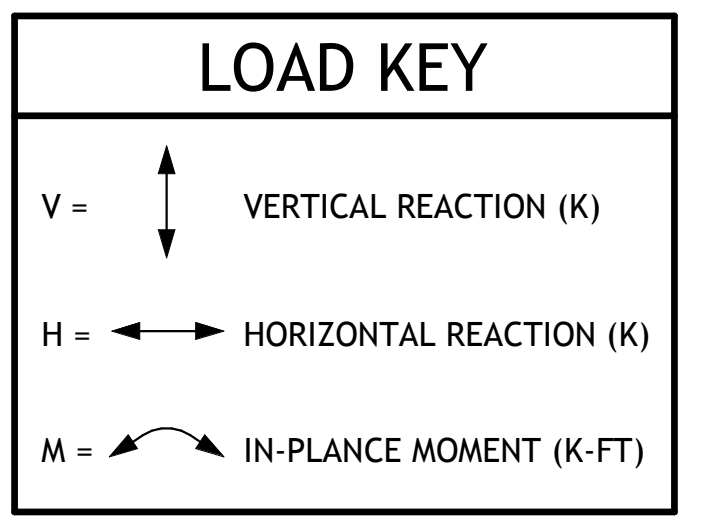
PORTER COUNTY
ILLINOIS

AMERICAN STRUCTUREPOINT
INC.

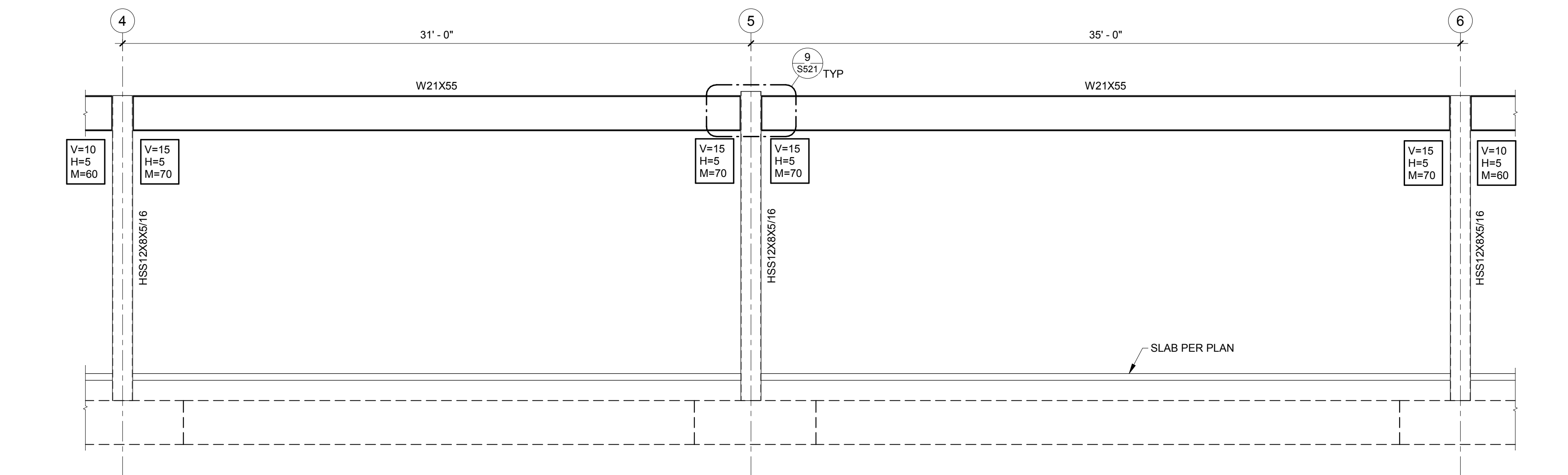
7260 Shadeland Station
Indianapolis, IN 46256
P: 317.547.5590
F: 317.543.0270
E: dmccloskey@structurepoint.com

SKILLMAN

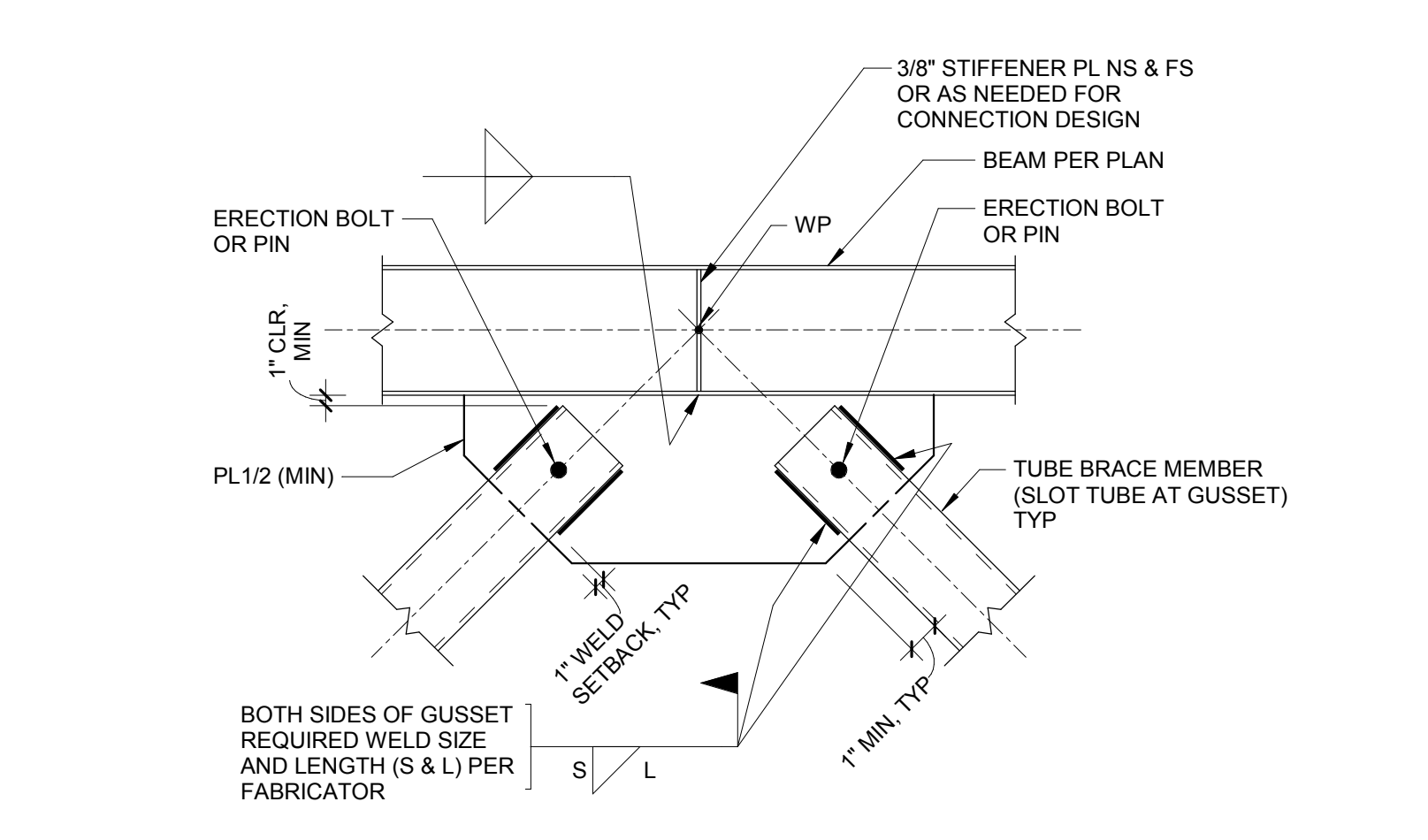
8006 Aetna Street
Merrillville, IN 46410
P: 219.942.2787
E: dmmanderson@skillman.com



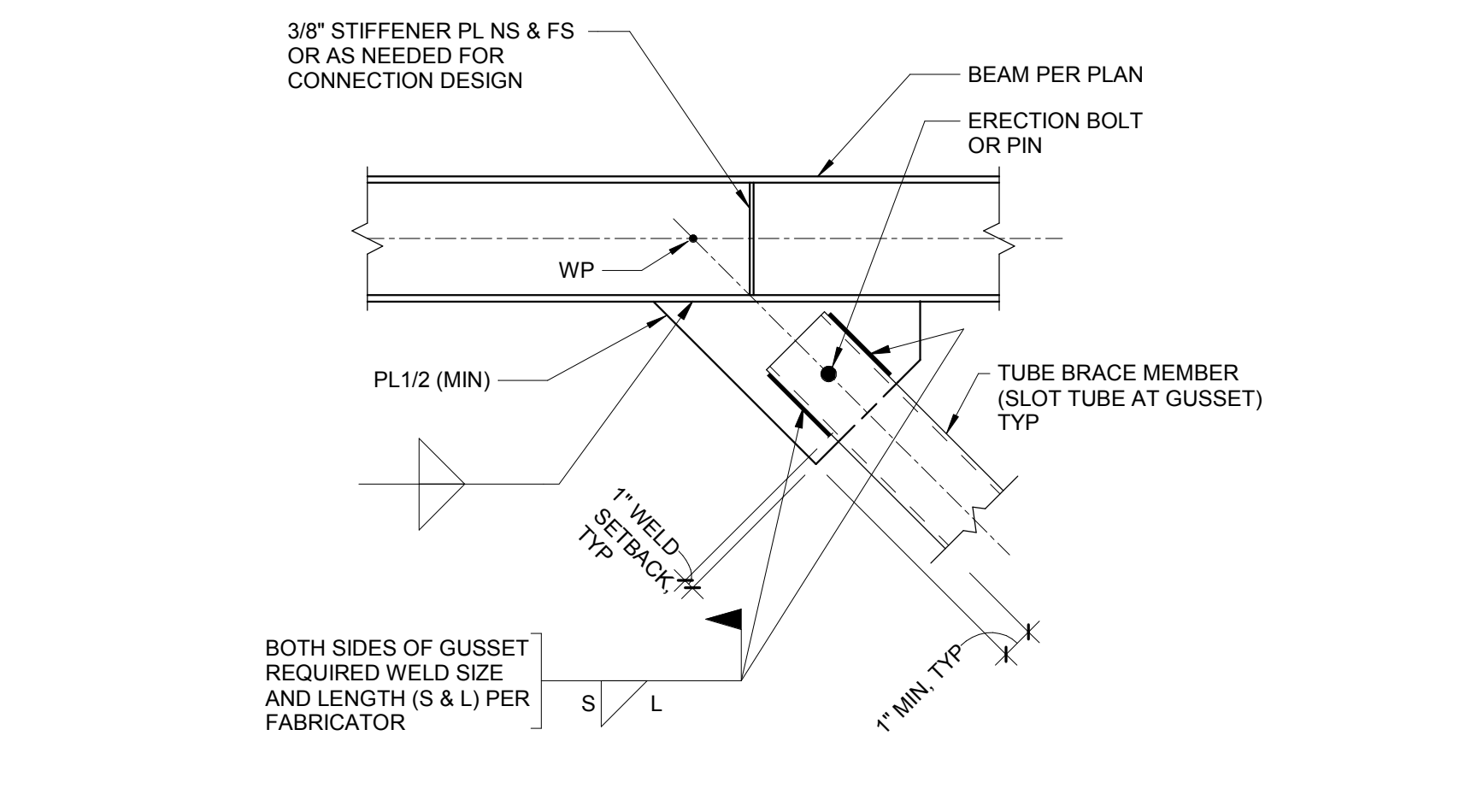
4 MOMENT FRAME AT LINE C
1/4" = 1'-0"



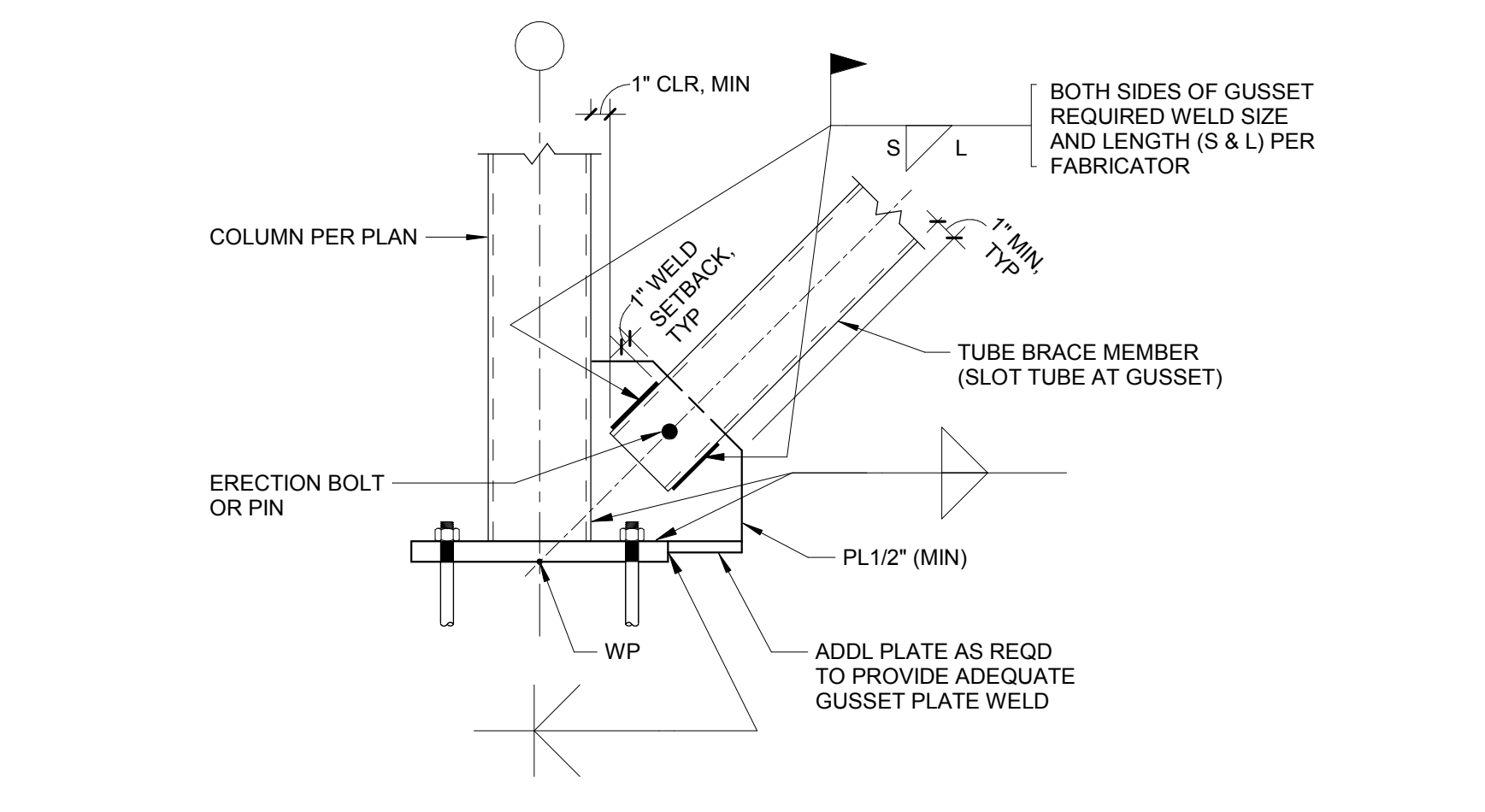
5 MOMENT FRAME AT LINE A
1/4" = 1'-0"



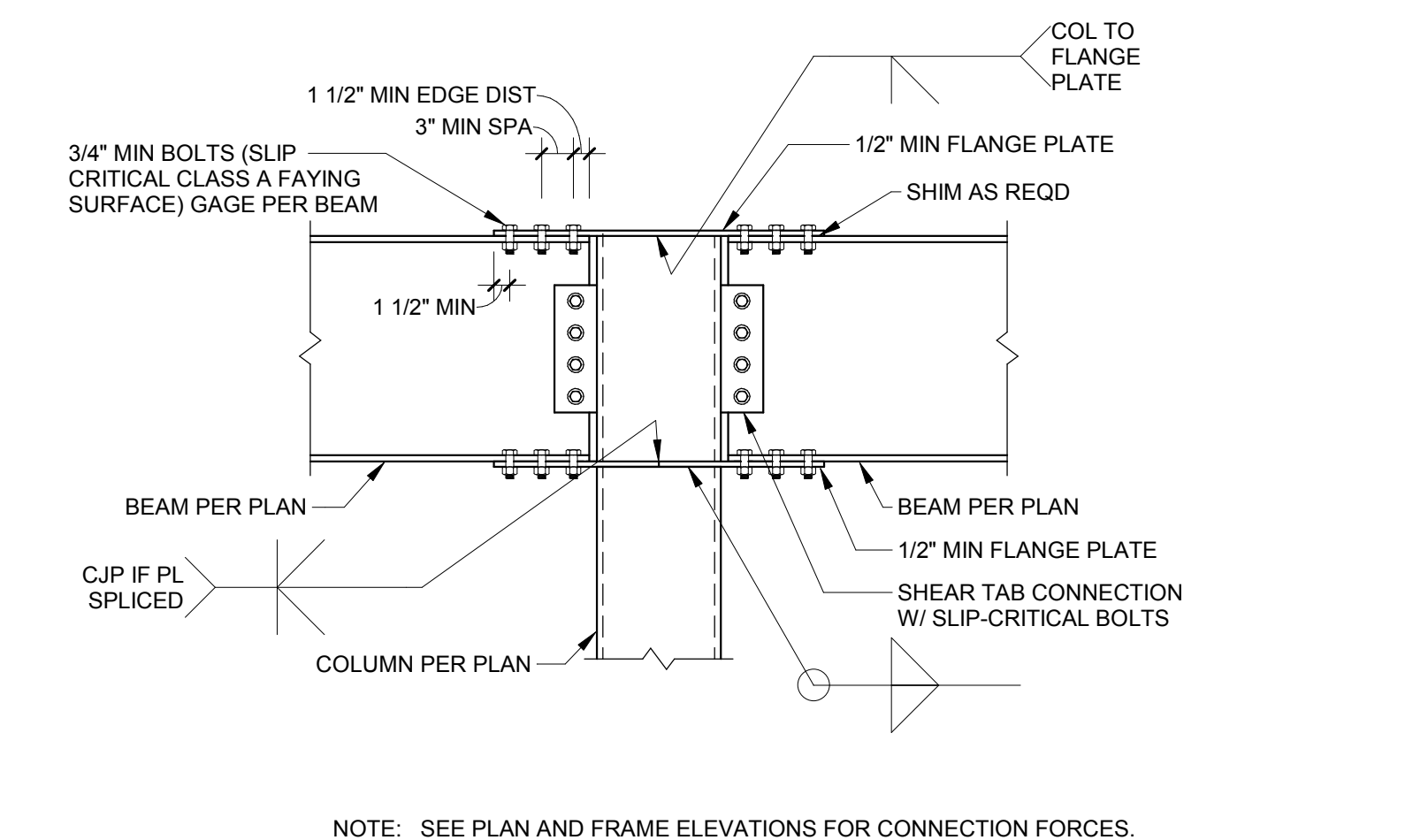
6 BRACE CONNECTION DETAIL
N.T.S.



7 BRACE CONNECTION DETAIL
N.T.S.



8 BRACE CONNECTION DETAIL
N.T.S.



9 TYPICAL WF BEAM TO HSS COLUMN MOMENT CONNECTION DETAIL
N.T.S.

NOTE: SEE PLAN AND FRAME ELEVATIONS FOR CONNECTION FORCES.

PORTER COUNTY - TRUSTEES OFFICE
PORTAGE, IN

DAVID A. CLARK
REGISTERED
No. PE11200028
STATE OF INDIANA
PROFESSIONAL ENGINEER

David A. Clark

CERTIFIED BY

ISSUANCE INDEX

DATE: 08.20.18

PROJECT PHASE: 100% CONSTRUCTION DOCUMENTS - BP1

REVISION SCHEDULE

NO.	DESCRIPTION	DATE
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Project Number 2017.01279

STEEL FRAME ELEVATIONS, SECTIONS AND DETAILS

S521

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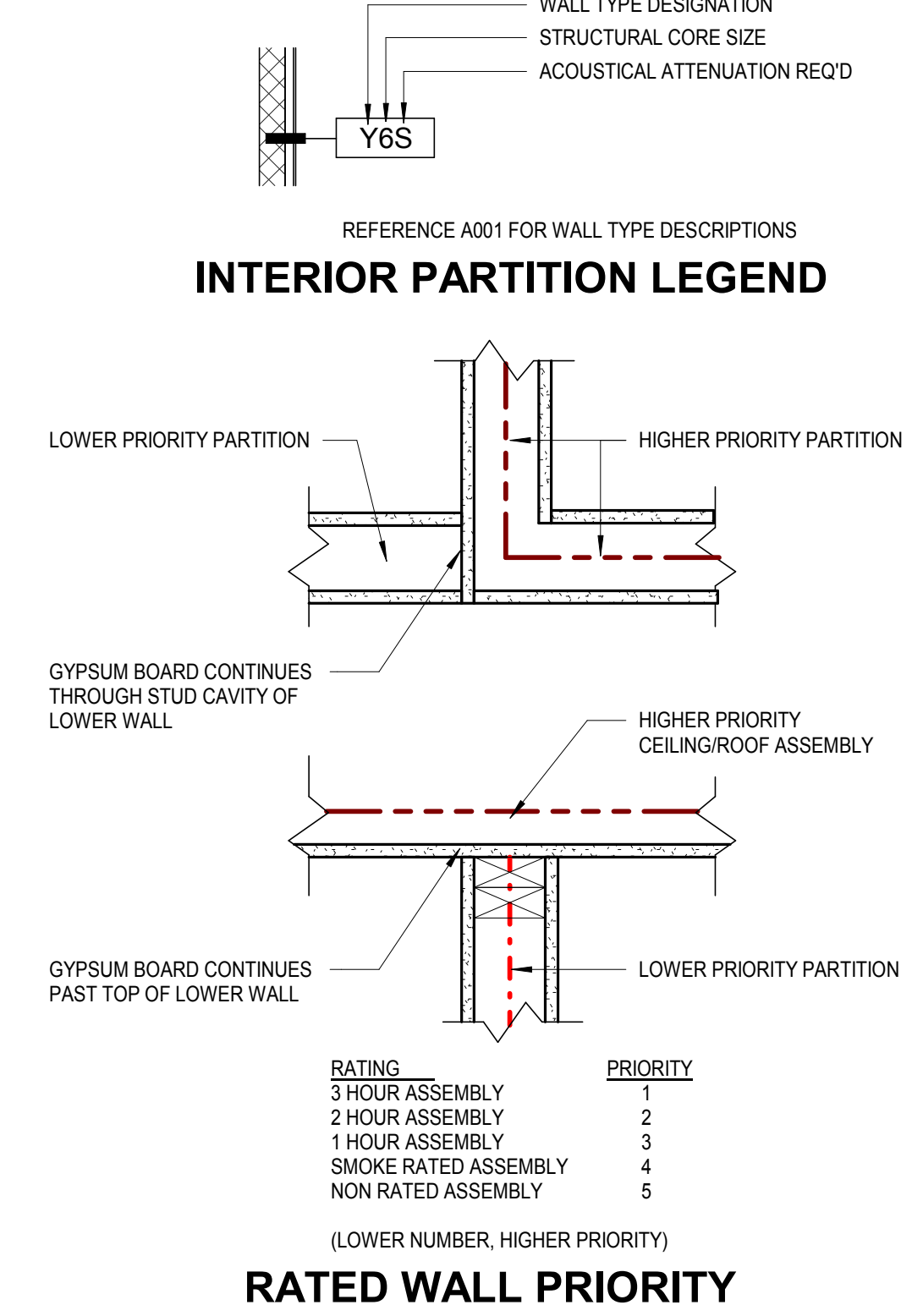
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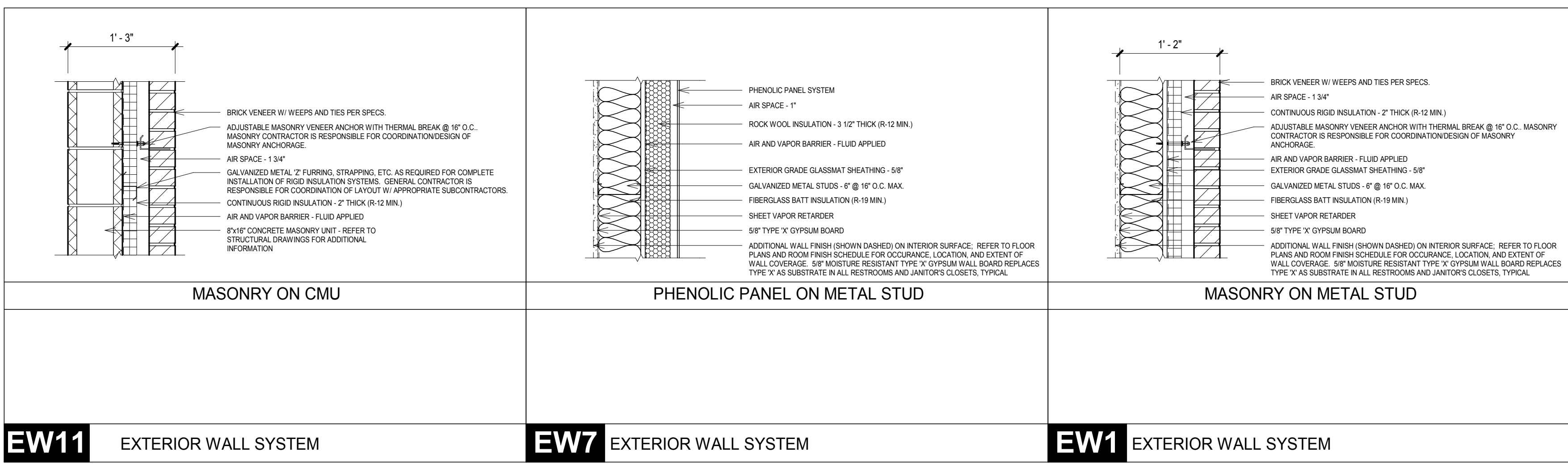
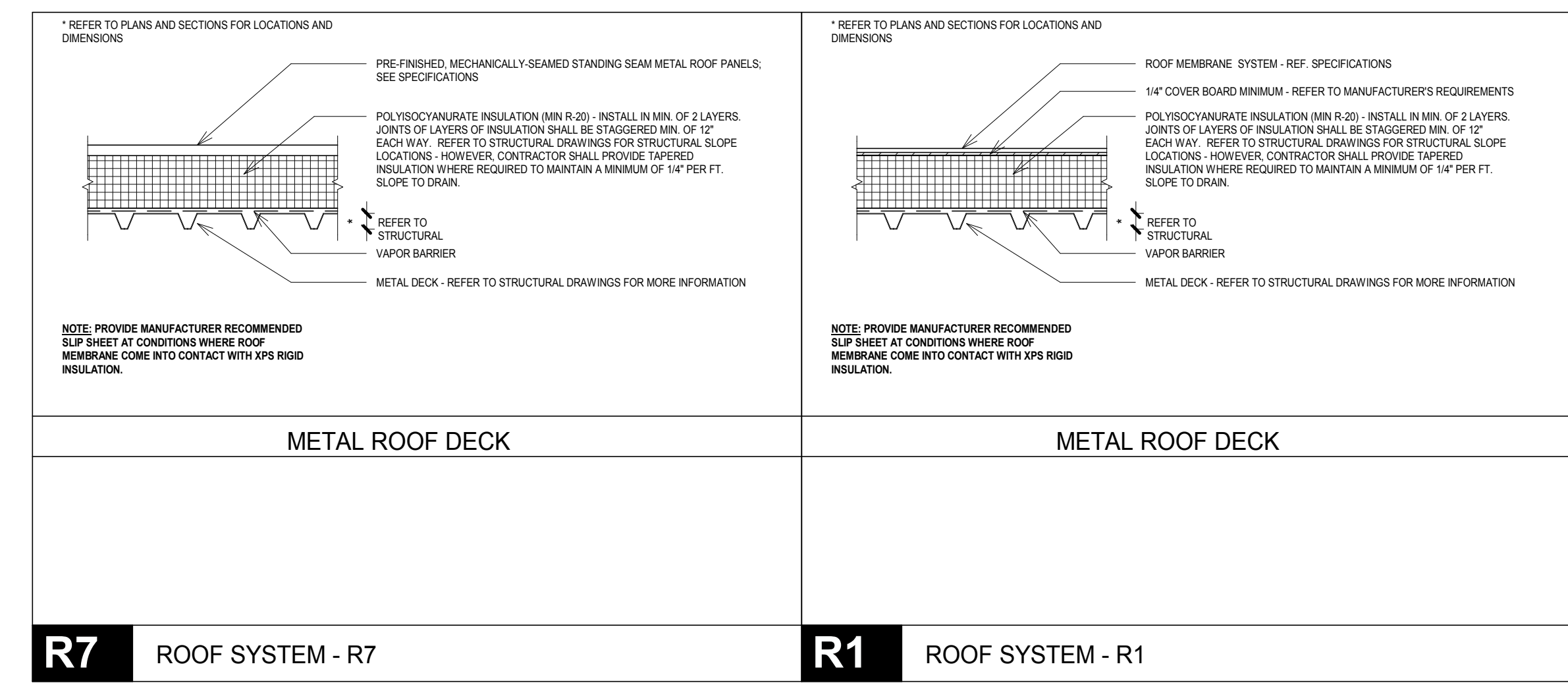
GENERAL PARTITION NOTES

- ALL WALLS ARE TO BE TYPE AS U.N.O.
- PARTITION SYMBOLS APPEAR ON LARGEST SCALE FLOOR PLAN PROVIDED FOR AREA.
- REFER TO FINISH PLANS FOR WALL FINISH, BASE, AND CEILING INFORMATION.
- REFER TO WALL SECTIONS FOR EXTERIOR WALL CONSTRUCTION.
- PROVIDE WATER RESISTANT GYPSUM BOARD ON WALLS WITH PLUMBING FIXTURES AND WITHIN 4'-0" OF DRINKING FOUNTAINS / WATER COOLERS, U.N.O.
- PROVIDE LATERAL BRACING FOR PARTITIONS WHICH EXTEND ABOVE CEILINGS.
- PROVIDE FIRE RESISTIVE RATED GYPSUM WALL BOARD AT ALL RATED ASSEMBLIES TO MEET ASSEMBLY REQUIREMENTS.
- PROVIDE FIRE RESISTIVE JOINT SYSTEMS EQUAL TO WALL RATING AT ALL PENETRATIONS AND AT HEAD/DOOR INTERSECTIONS WITH RATED ASSEMBLIES.
- PROVIDE ACOUSTICAL SEALANT AT WALL SILL, HEAD, PENETRATIONS, AND ADDITIONAL SPECIFIED SOUND ATTENUATION COMPONENTS AT SOUND RATED WALLS.
- PROVIDE SPECIFIED TILE BACKER BOARD AT ALL WALLS SCHEDULED TO HAVE CERAMIC TILE.
- FRAME DOOR OPENINGS 4" FROM FACE OF PERPENDICULAR WALL ON HINGE SIDE AND 1'-0" MIN. FROM FACE OF PERP. WALL ON LATCH SIDE, UNLESS NOTED OTHERWISE.
- PROVIDE GYPSUM BOARD CONTROL JOINTS AND MASONRY CONTROL JOINTS AT WALLS OVER 30'-0" LENGTH. LOCATE ABOVE EDGE OF OPENING WHEN POSSIBLE.
- AT FIRE RATED WALLS WHERE OPENINGS ARE GREATER THAN 18 SQUARE INCHES OR WHERE TOTAL AREA OF OPENINGS EXCEEDS 100 SQUARE INCHES IN 100 SQUARE FEET, WRAP 8" TYPE 'X' GYPSUM BOARD BEHIND OPENINGS PER U.L. DESIGN R-10.
- ISOLATE NONLOAD BEARING STUD FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF VERTICAL LOADS INTO PARTITION WHILE PROVIDING LATERAL SUPPORT REQUIRED VIA USE OF DOUBLE TRACK TYPE (SECONDARY TRACK SET INSIDE DEEP-LEG TRACK OR SLOTTED TRACK TYPE, EACH ALLOWING VERTICAL MOVEMENT OF THE STRUCTURE, PREVENTING ROTATION OF STUDS BUT MAINTAINING STRUCTURAL PERFORMANCE OF PARTITION).
- LINE OF STRUCTURE INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
- FIRE RESISTANCE RATED PARTITIONS SHALL USE RATED FIRE RESISTANT FILL MATERIAL IN CONJUNCTION WITH AN APPROPRIATE RATED FIRESTOPPING SYSTEM.
- NON-RATED PARTITIONS SHALL USE ACOUSTICAL SEALANT.
- PROVIDE SHEET METAL OR FIRE RETARDANT WOOD BLOCKING IN WALL CAVITIES FOR ITEMS THAT ARE REQUIRED TO BE SECURED TO THE WALLS. REFERENCE MECHANICAL, PLUMBING, ELECTRICAL, AND TECHNOLOGY DRAWINGS. COORDINATE WITH FURNITURE SUPPLIER WHERE APPROPRIATE.
- TAPE AND SPACKLE ALL PENETRATIONS IN GYPSUM BOARD PARTITIONS, INCLUDING, BUT NOT LIMITED TO WATER LINES, DRAINS, CONDUIT, THERMOSTATS, ETC. INSTALL FIRE RETARDANT SEALANT AT PENETRATIONS IN RATED PARTITIONS AS REQUIRED.
- ALL CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT UNITS LAID IN RUNNING BOND UNLESS NOTED OTHERWISE.
- ALL CMU WALLS SHALL EXTEND TO 4" MINIMUM ABOVE HIGHEST ADJACENT CEILING U.N.O.
- FOR PARTITIONS INDICATED TO RECEIVE SOUND ATTENUATION (S), EXTEND ATTENUATION TO FULL HEIGHT OF PARTITION U.N.O. FLOOR TRACK TO BE SET IN A CONTINUOUS BED OF SEALANT.
- IN AREAS DESIGNATED TO HAVE A RATED CEILING, BUILD WALLS THAT ARE NOT INDICATED TO GO TO DECK TO UNDERSIDE OF RATED CEILING.
- ALTHOUGH WALL STUD SIZE / SPACING ARE LISTED, CONTRACTOR WILL VERIFY AND PROVIDE APPROPRIATE SIZE / GAGE / SPACING OF STUDS REQUIRED FOR CONDITIONS INDICATED AND NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO FABRICATION / INSTALLATION.

INTERIOR PARTITION LEGEND



RATED WALL PRIORITY



N WALL PARTITION TYPE										M WALL PARTITION TYPE										
REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					
UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE	UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE	UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE	UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE	
RATED SEALANT AND BACKER ROD, BOTH SIDES, CONT.					RATED SEALANT AND BACKER ROD, BOTH SIDES, CONT.					RATED SEALANT AND BACKER ROD, BOTH SIDES, CONT.					RATED SEALANT AND BACKER ROD, BOTH SIDES, CONT.					
ADDITIONAL WALL FINISH (SHOWN DASHED) ON ONE OR BOTH SIDES WHERE OCCURS. REFER TO FLOOR PLANS AND ROOM FINISH SCHEDULE FOR OCCURRENCE, LOCATION, AND EXTENT OF WALL COVERAGE. 5/8" MOISTURE RESISTANT GYPSUM WALL BOARD REPLACES TYPE 'X' AS SUBSTRATE IN ALL RESTROOMS AND JANITOR'S CLOSETS, TYPICAL.					ADDITIONAL WALL FINISH (SHOWN DASHED) ON ONE OR BOTH SIDES WHERE OCCURS. REFER TO FLOOR PLANS AND ROOM FINISH SCHEDULE FOR OCCURRENCE, LOCATION, AND EXTENT OF WALL COVERAGE. 5/8" MOISTURE RESISTANT GYPSUM WALL BOARD REPLACES TYPE 'X' AS SUBSTRATE IN ALL RESTROOMS AND JANITOR'S CLOSETS, TYPICAL.					ADDITIONAL WALL FINISH (SHOWN DASHED) ON ONE OR BOTH SIDES WHERE OCCURS. REFER TO FLOOR PLANS AND ROOM FINISH SCHEDULE FOR OCCURRENCE, LOCATION, AND EXTENT OF WALL COVERAGE. 5/8" MOISTURE RESISTANT GYPSUM WALL BOARD REPLACES TYPE 'X' AS SUBSTRATE IN ALL RESTROOMS AND JANITOR'S CLOSETS, TYPICAL.					ADDITIONAL WALL FINISH (SHOWN DASHED) ON ONE OR BOTH SIDES WHERE OCCURS. REFER TO FLOOR PLANS AND ROOM FINISH SCHEDULE FOR OCCURRENCE, LOCATION, AND EXTENT OF WALL COVERAGE. 5/8" MOISTURE RESISTANT GYPSUM WALL BOARD REPLACES TYPE 'X' AS SUBSTRATE IN ALL RESTROOMS AND JANITOR'S CLOSETS, TYPICAL.					
PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					
NO SOUND ATTENUATION DESIGNATION	WITH SOUND ATTENUATION DESIGNATION	CMU WIDTH	PART WIDTH	FIRE RATING	UL LISTING	STC	NO SOUND	WITH SOUND	REMARKS	NO SOUND ATTENUATION DESIGNATION	WITH SOUND ATTENUATION DESIGNATION	CMU WIDTH	PART WIDTH	FIRE RATING	UL LISTING	STC	NO SOUND	WITH SOUND	REMARKS	
[N1]	[MS1]	3'-5"	3'-5"	ONE HOUR	UL D98 USE of UO		NO SOUND	NA		[M1]	[MS1]	3'-5"	3'-5"	ONE HOUR	UL D98 USE of UO		NO SOUND	NA		
[N2]	[MS2]	5'-5"	5'-5"	ONE HOUR	UL D98 USE of UO		NO SOUND	NA		[M2]	[MS2]	5'-5"	5'-5"	ONE HOUR	UL D98 USE of UO		NO SOUND	NA		
[N3]	[MS3]	7'-5"	7'-5"	ONE HOUR	UL D98 USE of UO		NO SOUND	NA		[M3]	[MS3]	7'-5"	7'-5"	ONE HOUR	UL D98 USE of UO		NO SOUND	NA		
[N4]	[MS4]	11'-5"	11'-5"	ONE HOUR	UL D98 USE of UO		NO SOUND	NA		[M4]	[MS4]	11'-5"	11'-5"	ONE HOUR	UL D98 USE of UO		NO SOUND	NA		

G WALL PARTITION TYPE										F WALL PARTITION TYPE										B WALL PARTITION TYPE										A WALL PARTITION TYPE									
REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					REFER TO SCHEDULE BELOW FOR PARTITION WIDTH					REFER TO SCHEDULE BELOW FOR PARTITION WIDTH									
UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE	UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE	UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE	UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE	UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE	UNDERSIDE OF STRUCTURE	LINE OF CEILING	SECTION VIEW	SECTION VIEW	LINE OF STRUCTURE										
SEALANT AND BACKER ROD, ONE SIDE, CONT.					SEALANT AND BACKER ROD, ONE SIDE, CONT.					SEALANT AND BACKER ROD, ONE SIDE, CONT.					SEALANT AND BACKER ROD, ONE SIDE, CONT.					SEALANT AND BACKER ROD, ONE SIDE, CONT.					SEALANT AND BACKER ROD, ONE SIDE, CONT.					SEALANT AND BACKER ROD, ONE SIDE, CONT.					SEALANT AND BACKER ROD, ONE SIDE, CONT.				
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METAL STUD FRAMING @ 16" O.C. MAX.					METAL STUD FRAMING @ 16" O.C. MAX.					METAL STUD FRAMING @ 16" O.C. MAX.					METAL STUD FRAMING @ 16" O.C. MAX.					METAL STUD FRAMING @ 16" O.C. MAX.					METAL STUD FRAMING @ 16" O.C. MAX.					METAL STUD FRAMING @ 16" O.C. MAX.					METAL STUD FRAMING @ 16" O.C. MAX.				
ONE LAYER 5/8" (TYPE-X) GYPSUM WALL BOARD, ONE SIDE					ONE LAYER 5/8" (TYPE-X) GYPSUM WALL BOARD, ONE SIDE					ONE LAYER 5/8" (TYPE-X) GYPSUM WALL BOARD, ONE SIDE					ONE LAYER 5/8" (TYPE-X) GYPSUM WALL BOARD, ONE SIDE					ONE LAYER 5/8" (TYPE-X) GYPSUM WALL BOARD, ONE SIDE					ONE LAYER 5/8" (TYPE-X) GYPSUM WALL BOARD, ONE SIDE					ONE LAYER 5/8" (TYPE-X) GYPSUM WALL BOARD, ONE SIDE					ONE LAYER 5/8" (TYPE-X) GYPSUM WALL BOARD, ONE SIDE				
PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW					PROVIDE SOUND ATTENUATION INSULATION AS REQUIRED - SEE SCHEDULE BELOW				
NO SOUND ATTENUATION DESIGNATION	WITH SOUND ATTENUATION DESIGNATION	STUD WIDTH	PART WIDTH	FIRE RATING	UL LISTING	STC	NO SOUND	WITH SOUND	REMARKS	NO SOUND ATTENUATION DESIGNATION	WITH SOUND ATTENUATION DESIGNATION	STUD WIDTH	PART WIDTH	FIRE RATING	UL LISTING	STC	NO SOUND	WITH SOUND	REMARKS	NO SOUND ATTENUATION DESIGNATION	WITH SOUND ATTENUATION DESIGNATION	STUD WIDTH	PART WIDTH	FIRE RATING	UL LISTING	STC	NO SOUND	WITH SOUND	REMARKS										
[G1]	[GS1]	1'-5"	2'-14"	NON RATED	NA		NO SOUND	NA		[F1]	[FS1]	1'-5"	2'-14"	NON RATED	NA		NO SOUND	NA		[B1]	[BS1]	1'-5"	2'-7"	NON RATED	NA		NO SOUND	NA		[A1]	[AS1]	1'-5"	2'-7"	NON RATED	NA				
[G2]	[GS2]	2'-12"	3'-18"	NON RATED	NA		NO SOUND	NA		[F2]	[FS2]	2'-12"	3'-18"	NON RATED	NA		NO SOUND	NA		[B2]	[BS2]	2'-12"	3'-34"	NON RATED	NA		NO SOUND	NA		[A2]	[AS2]	2'-12"	3'-34"	NON RATED	NA				
[G3]	[GS3]	3'-5"	4'-14"	NON RATED	NA		NO SOUND	NA		[F3]	[FS3]	3'-5"	4'-14"	NON RATED	NA		NO SOUND	NA		[B3]	[BS3]	3'-5"	4'-7"	NON RATED	NA		NO SOUND	NA		[A3]	[AS3]	3'-5"	4'-7"	NON RATED	NA				
[G4]	[GS4]	6"	6'-5"	NON RATED	NA		NO SOUND	NA		[F4]	[FS4]	6"	6'-5"	NON RATED	NA		NO SOUND	NA		[B4]	[BS4]	6"	7'-14"	NON RATED	NA		NO SOUND	NA		[A4]	[AS4]	6"	7'-14"	NON RATED	NA				
[G5]	[GS5]	6"	8'-5"	NON RATED	NA		NO SOUND	NA		[F5]	[FS5]	6"	8'-5"	NON RATED	NA		NO SOUND	NA		[B5]	[BS5]	6"	9'-14"	NON RATED	NA		NO SOUND	NA		[A5]	[AS5]	6"	9'-14"	NON RATED	NA				

KEYED ROOF PLAN NOTES (NOTED WITH ①)

- 1 FULLY ADHERED MEMBRANE ROOFING SYSTEM (MEMBRANE OVER POLYISO ROOF INSULATION) INSTALL ROOF INSULATION IN MIN. 2 LAYERS WITH JOINTS OFFSET BY 12" MIN. PROVIDE TAPERED INSULATION TO ACHIEVE MIN. 1/4:12 SLOPE TO ENSURE POSITIVE DRAINAGE TO INTERNAL ROOF DRAIN LOCATIONS
- 2 PRE-FINISHED METAL COPING OVER PARAPET WALL
- 3 PRE-FINISHED METAL DOWNSPOUT
- 4 LOCATION OF ROOFTOP HVAC UNITS SHOWN FOR REFERENCE ONLY. COORDINATE FINAL LOCATIONS WITH MECHANICAL & STRUCTURAL DRAWINGS. CREATE CRICKET AT UNIT HIGH SIDE TO ENSURE POSITIVE DRAINAGE AROUND UNIT. PROVIDE ADDITIONAL CONCRETE WALKWAY PAD AT CONDENSATE DRAIN LINE.



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PORTER COUNTY OFFICE BUILDING
 PORTAGE, IN

DANIEL L. McCLOSKEY
 REGISTERED PROFESSIONAL ENGINEER
 No. AR10700109
 STATE OF INDIANA
Daniel L. McCloskey
 CERTIFIED BY

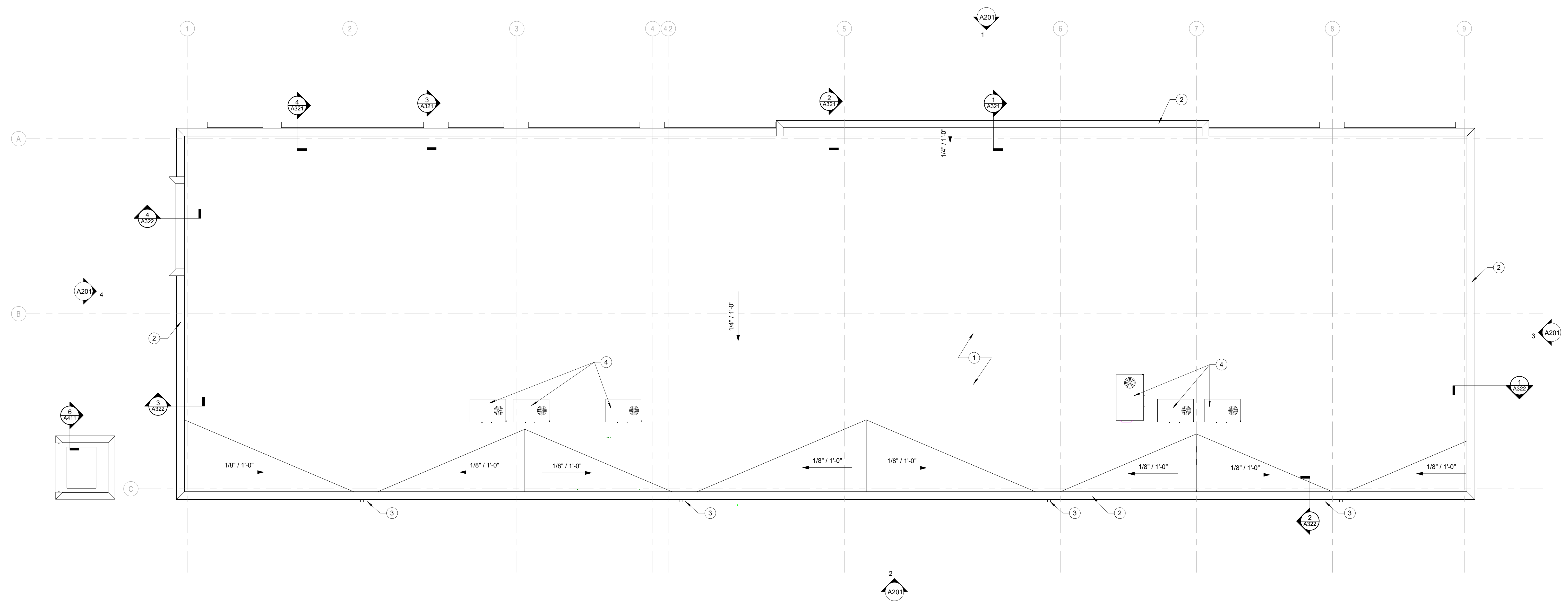
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ROOF PLAN

A131



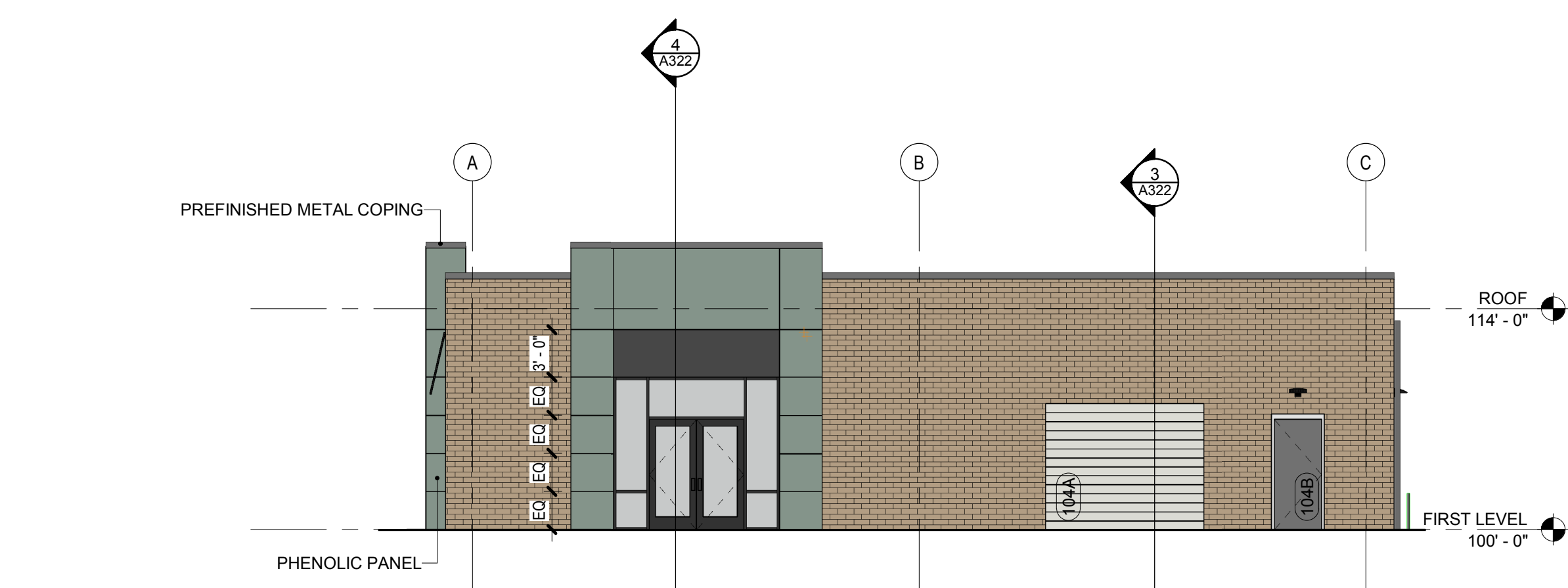
BASE_ROOF
 1/8" = 1'-0"

8/20/2018 3:46:33 PM

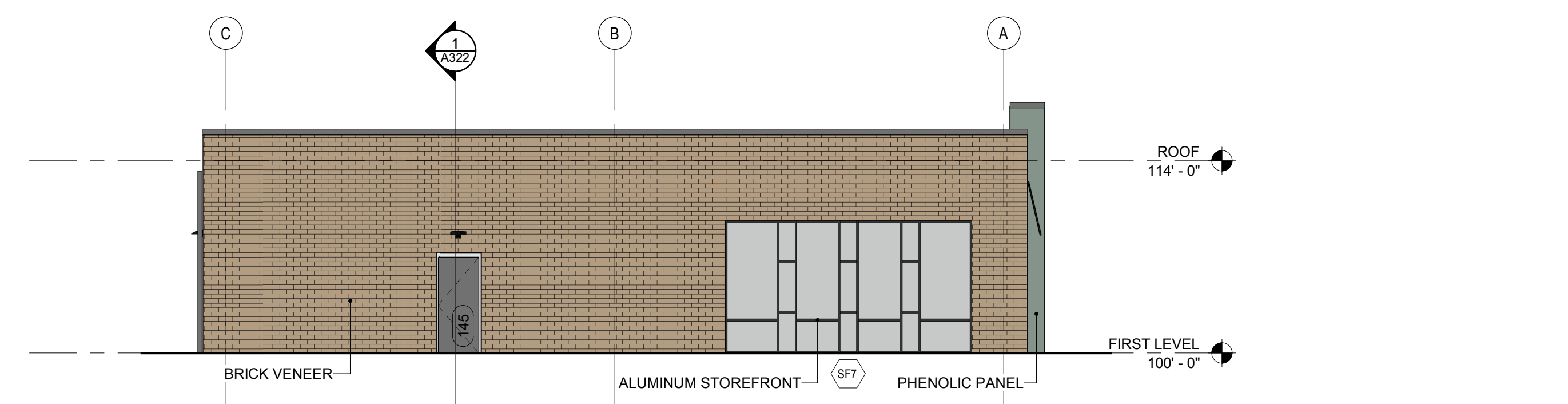


PORTER COUNTY OFFICE
BUILDING

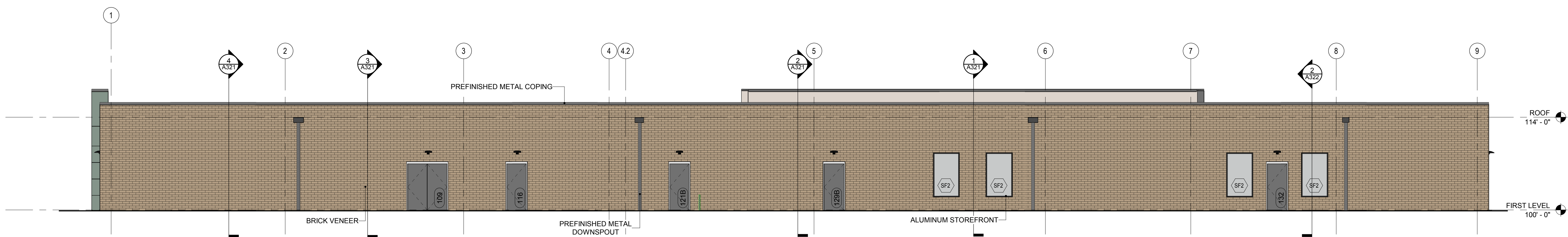
PORTAGE, IN



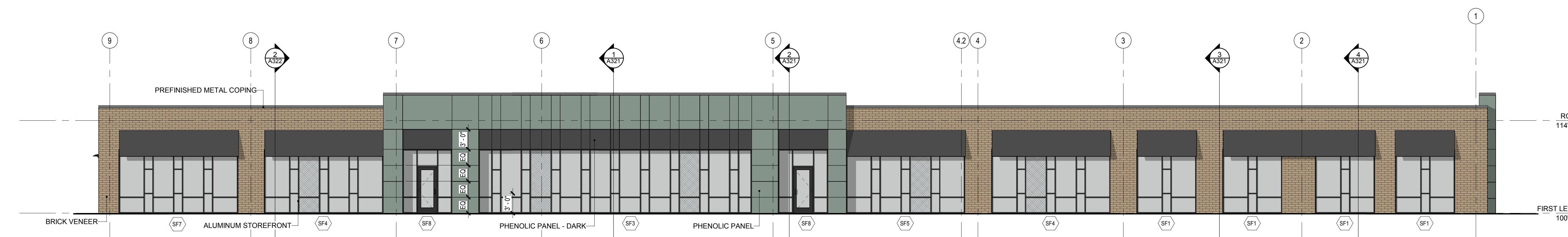
4
A201
ELEVATION - WEST
1/8" = 1'-0"



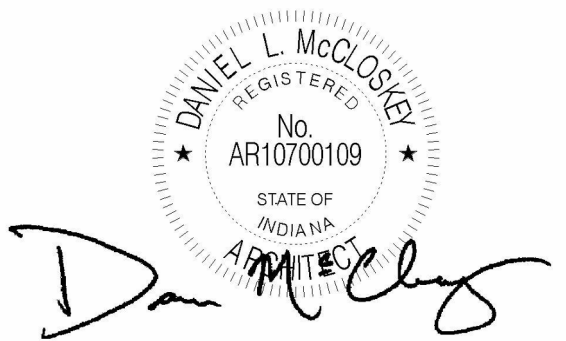
3
A201
ELEVATION - EAST
1/8" = 1'-0"



2
A201
ELEVATION - SOUTH
1/8" = 1'-0"



1
A201
ELEVATION - NORTH
1/8" = 1'-0"



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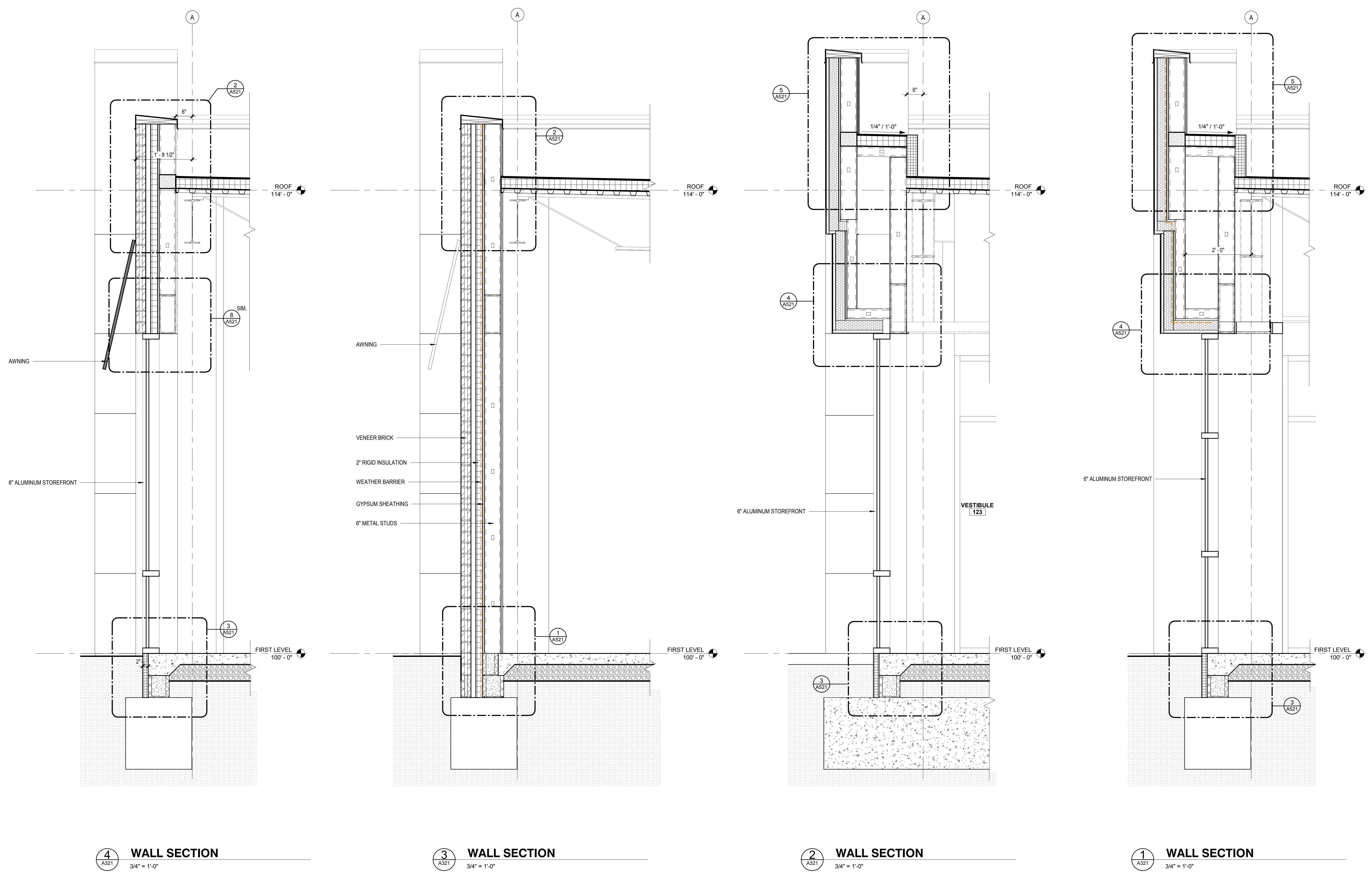
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EXTERIOR
ELEVATIONS

A201



REGISTERED
No. AR10700109
STATE OF INDIANA
Professional Engineer
Daniel L. McCloskey

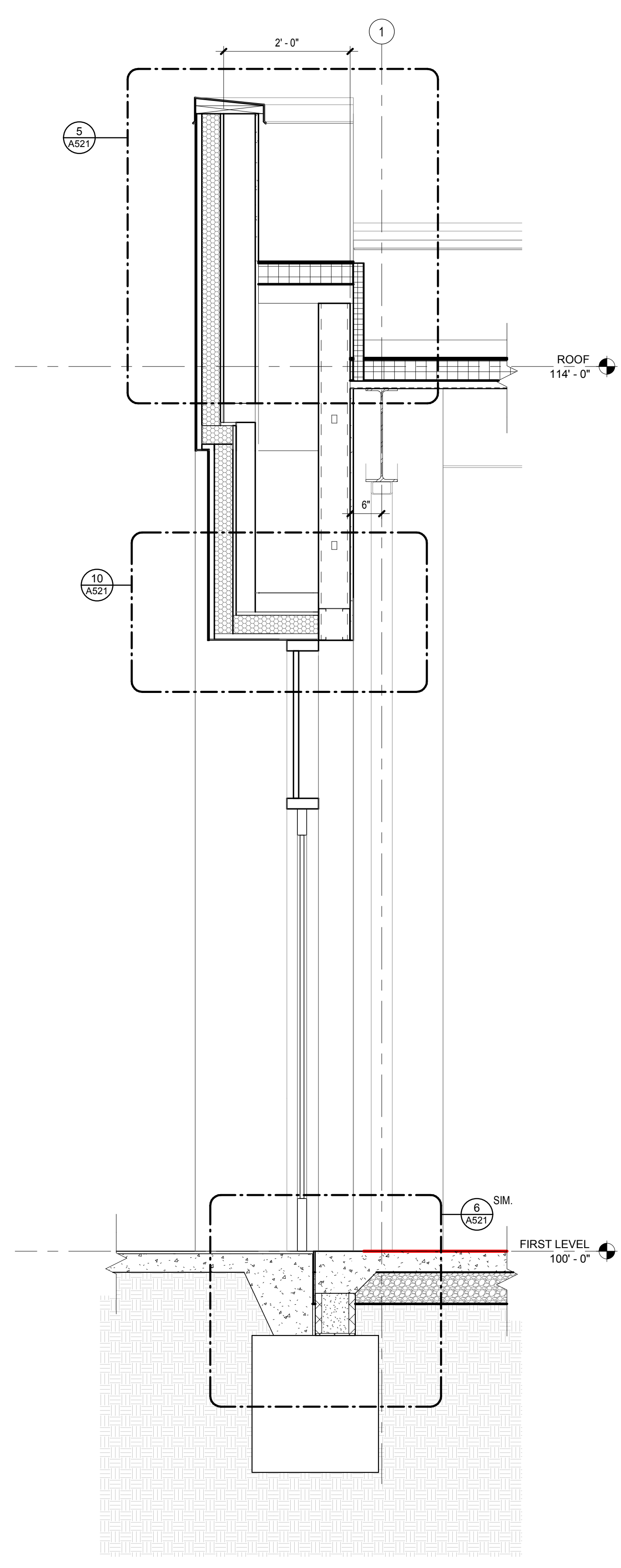
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ISSUANCE INDEX

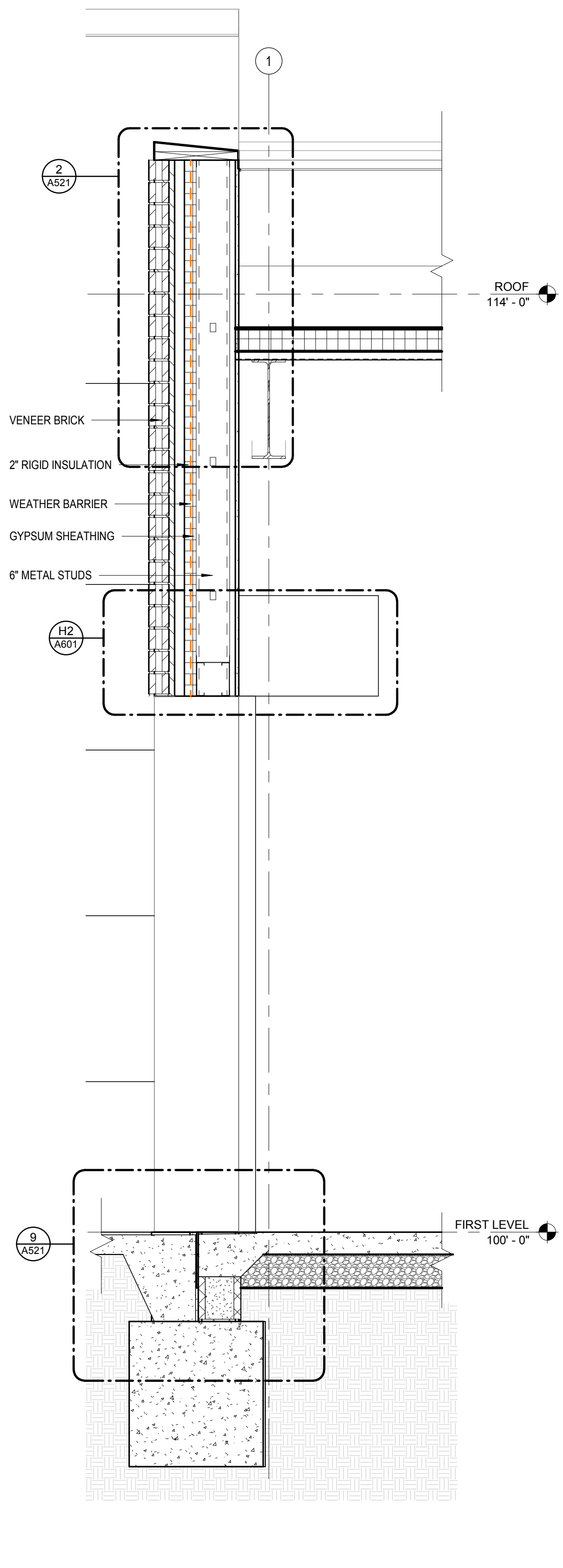
DATE:	08.17.18
PROJECT PHASE:	100% CONSTRUCTION DOCUMENTS - BP1

REVISION SCHEDULE

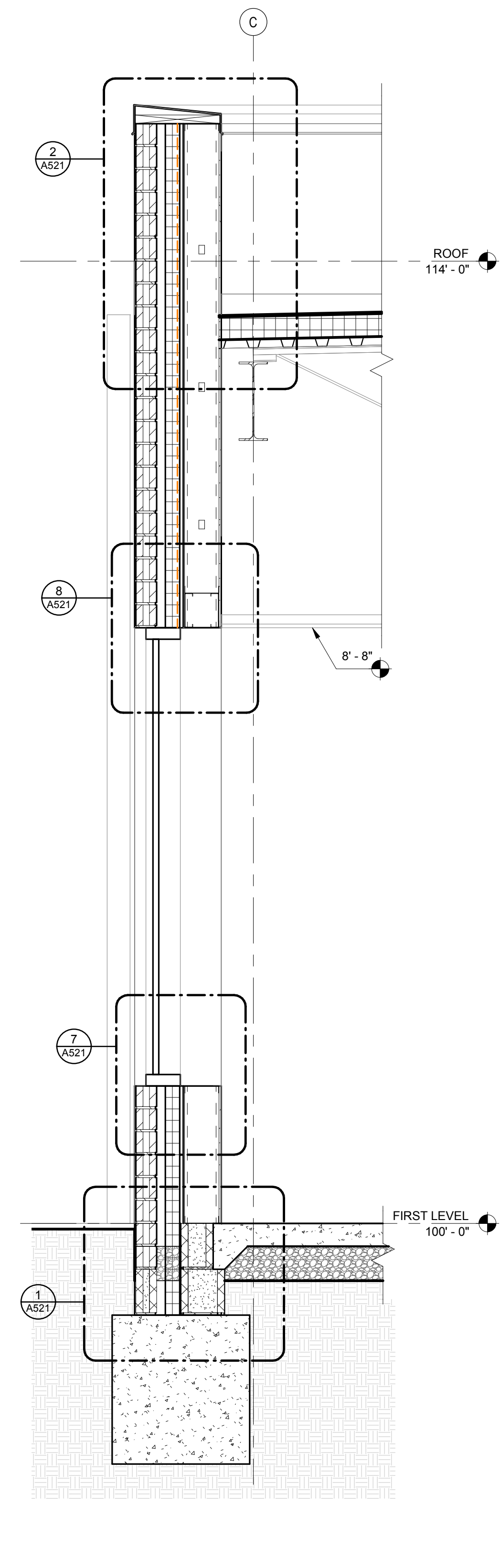
NO.	DESCRIPTION	DATE



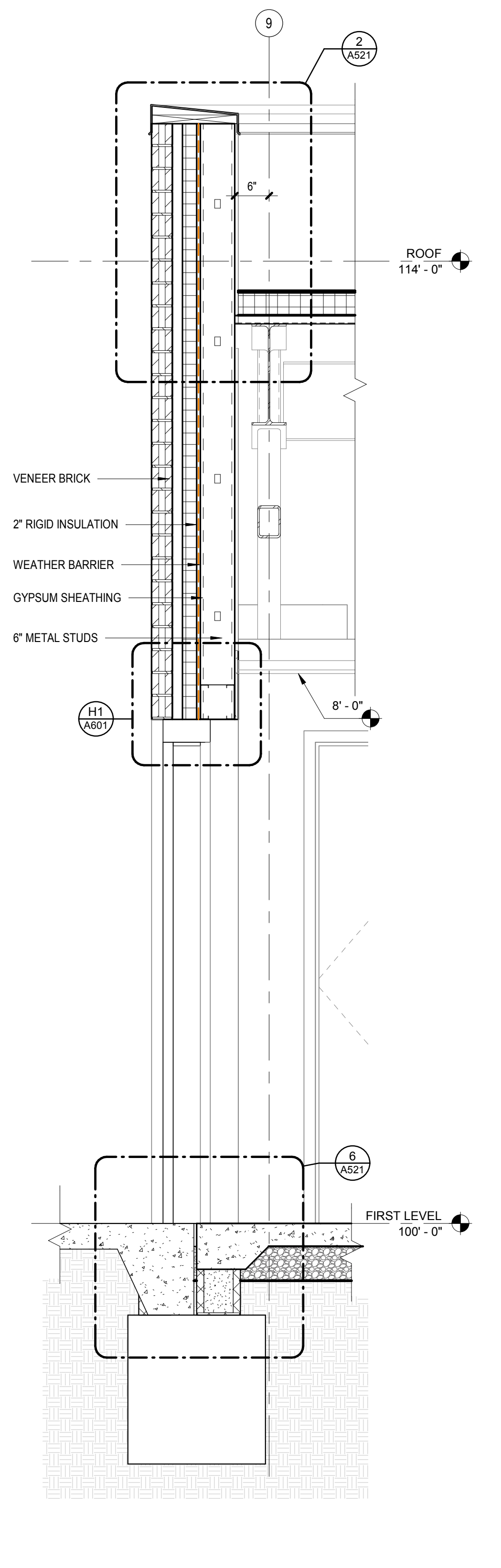
4 WALL SECTION
3/4" = 1'-0"



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



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



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

Daniel L. McCloskey
REGISTERED
No. AR10700109
STATE OF
Indiana
Professional Engineer
Daniel L. McCloskey

CERTIFIED BY

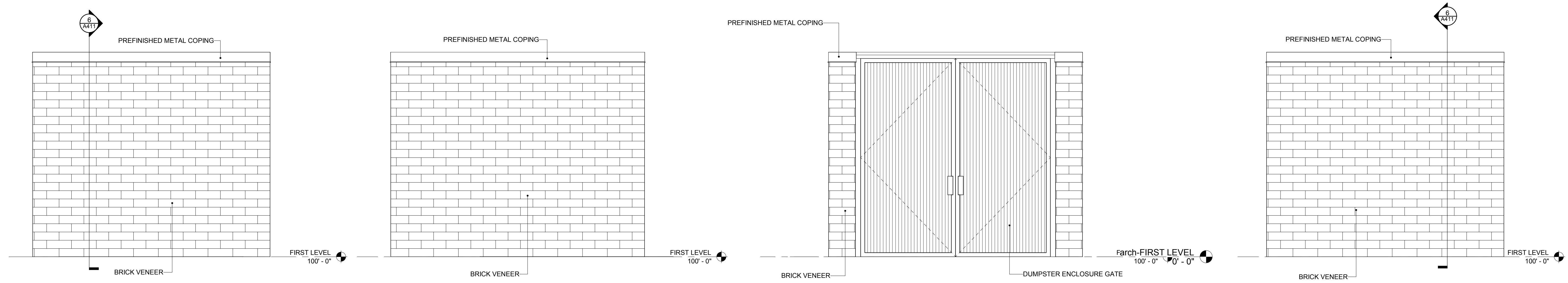
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WALL SECTIONS

A322

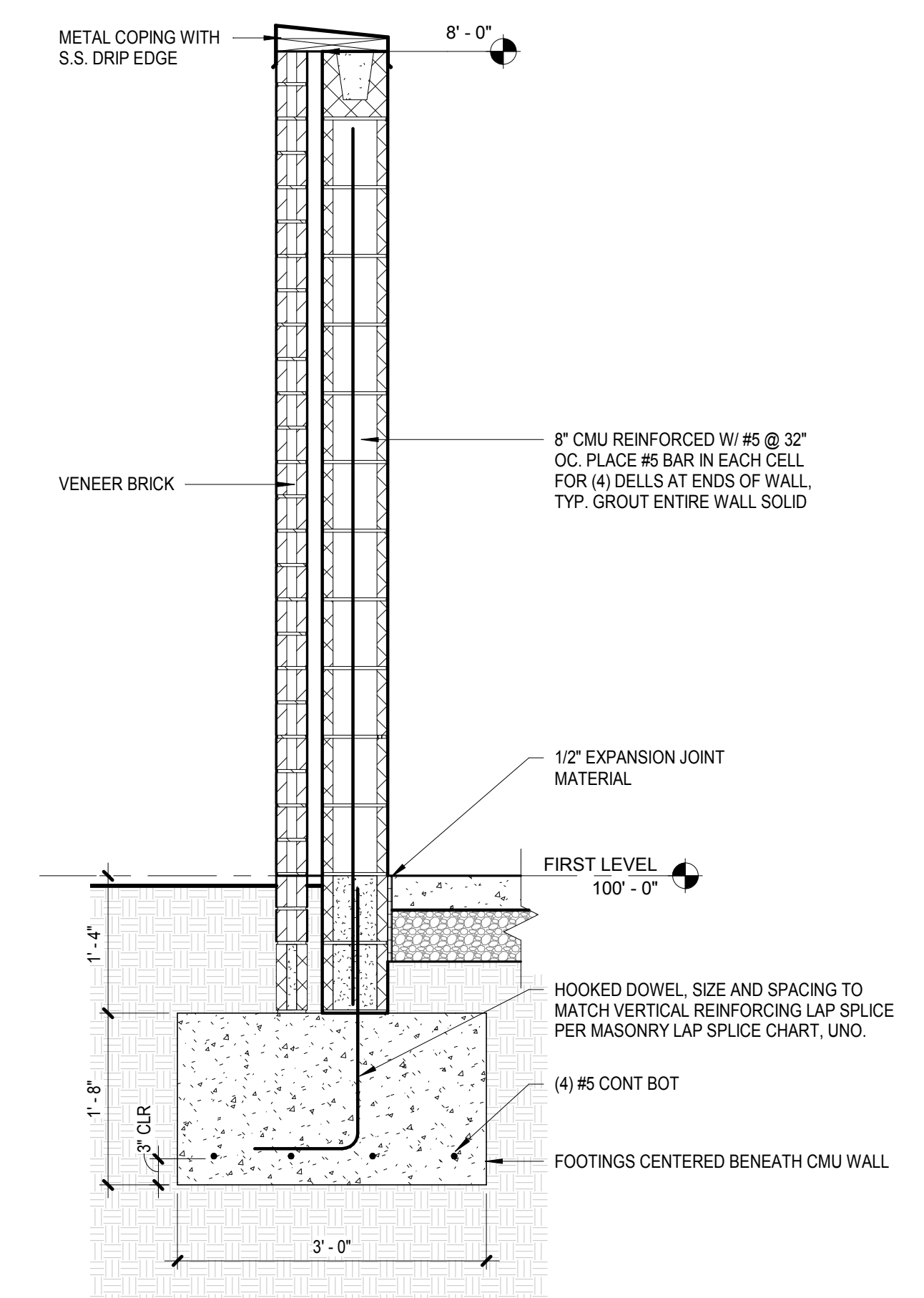


5
A411
DUMPSTER ELEVATION
1/2" = 1'-0"

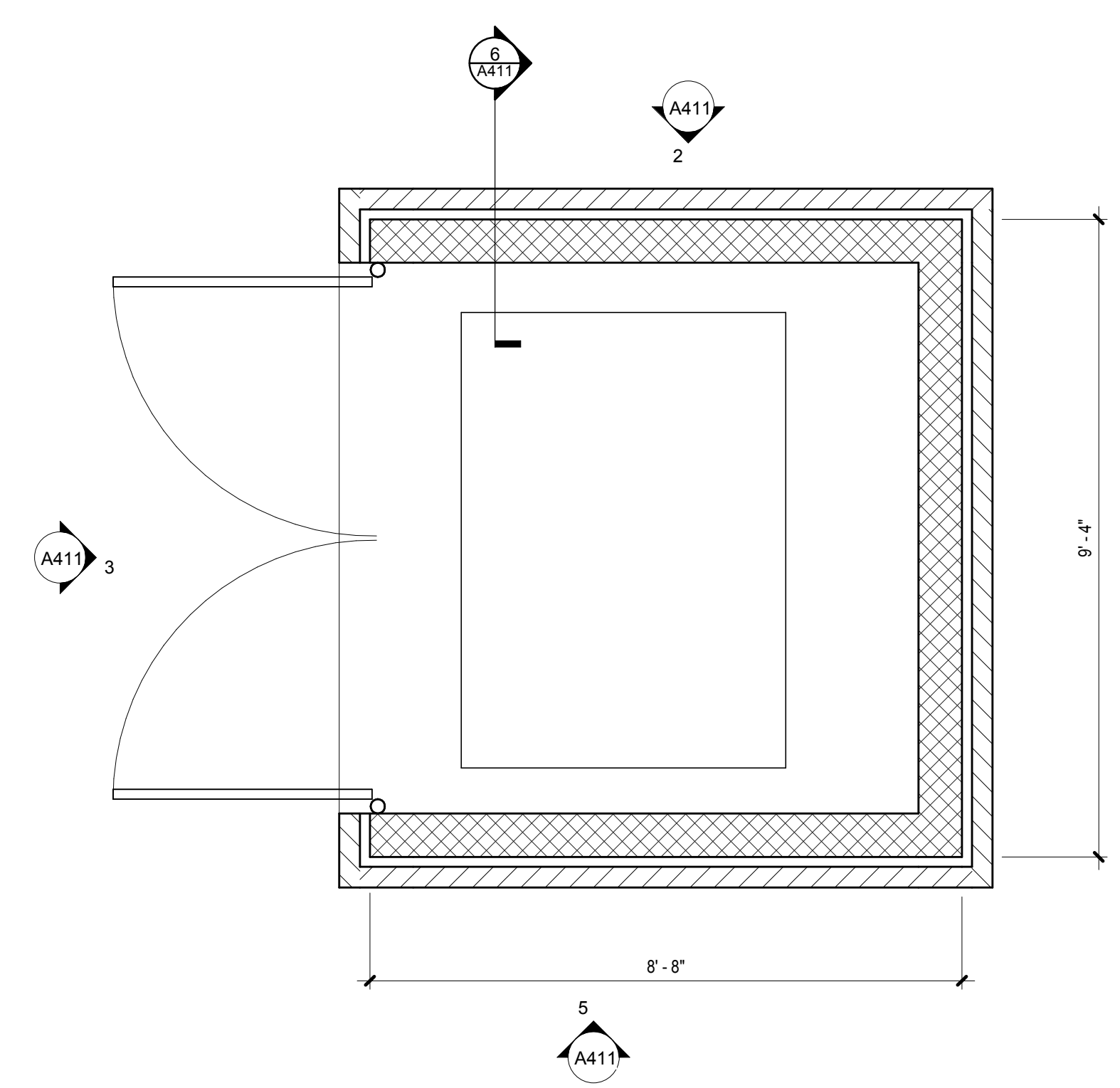
4
A411
DUMPSTER ELEVATION
1/2" = 1'-0"

3
A411
DUMPSTER ELEVATION
1/2" = 1'-0"

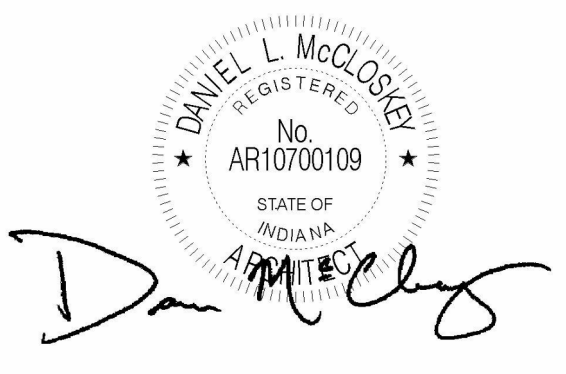
2
A411
DUMPSTER ELEVATION
1/2" = 1'-0"



6
A411
WALL SECTION
3/4" = 1'-0"



1
A411
ENLARGED DUMPSTER PLAN
1/2" = 1'-0"



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DUMPSTER
ENCLOSURE

A411

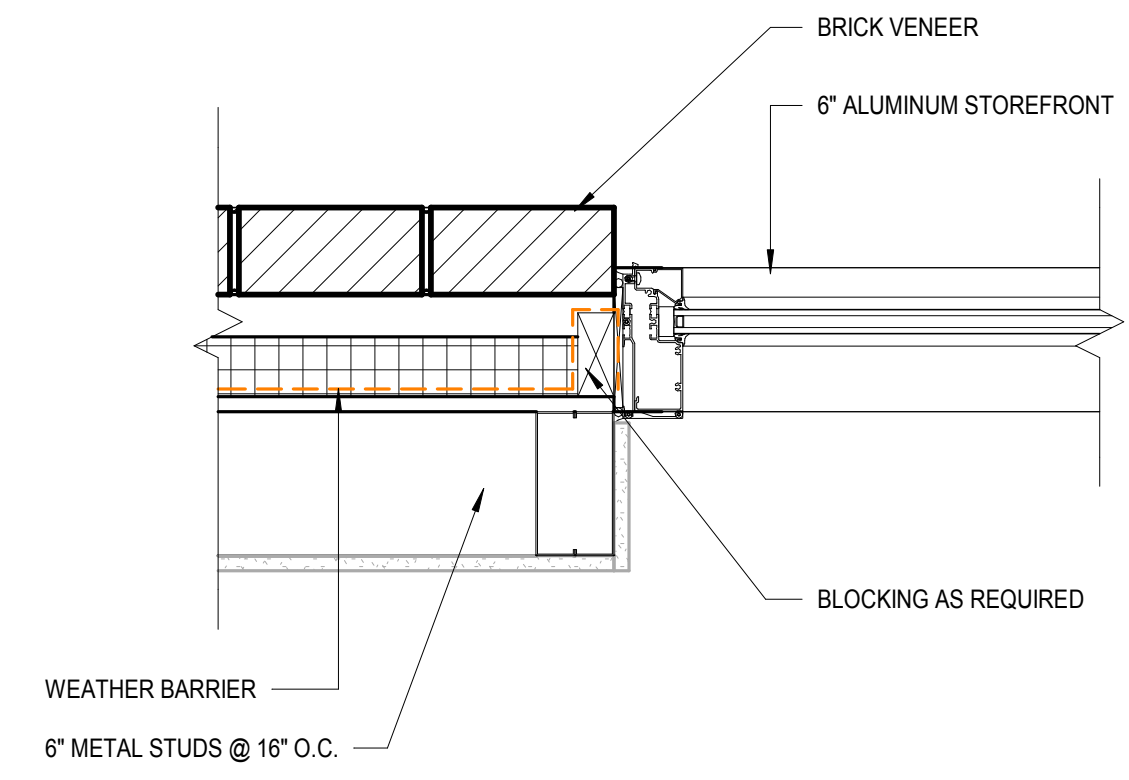
ALL INTERIOR METAL STUDS AND GYPSUM BOARD ARE NOT INCLUDED IN BID PACKAGE 01. THESE ITEMS ARE GREYED OUT AND WILL BE PART OF A LATER BID PACKAGE.



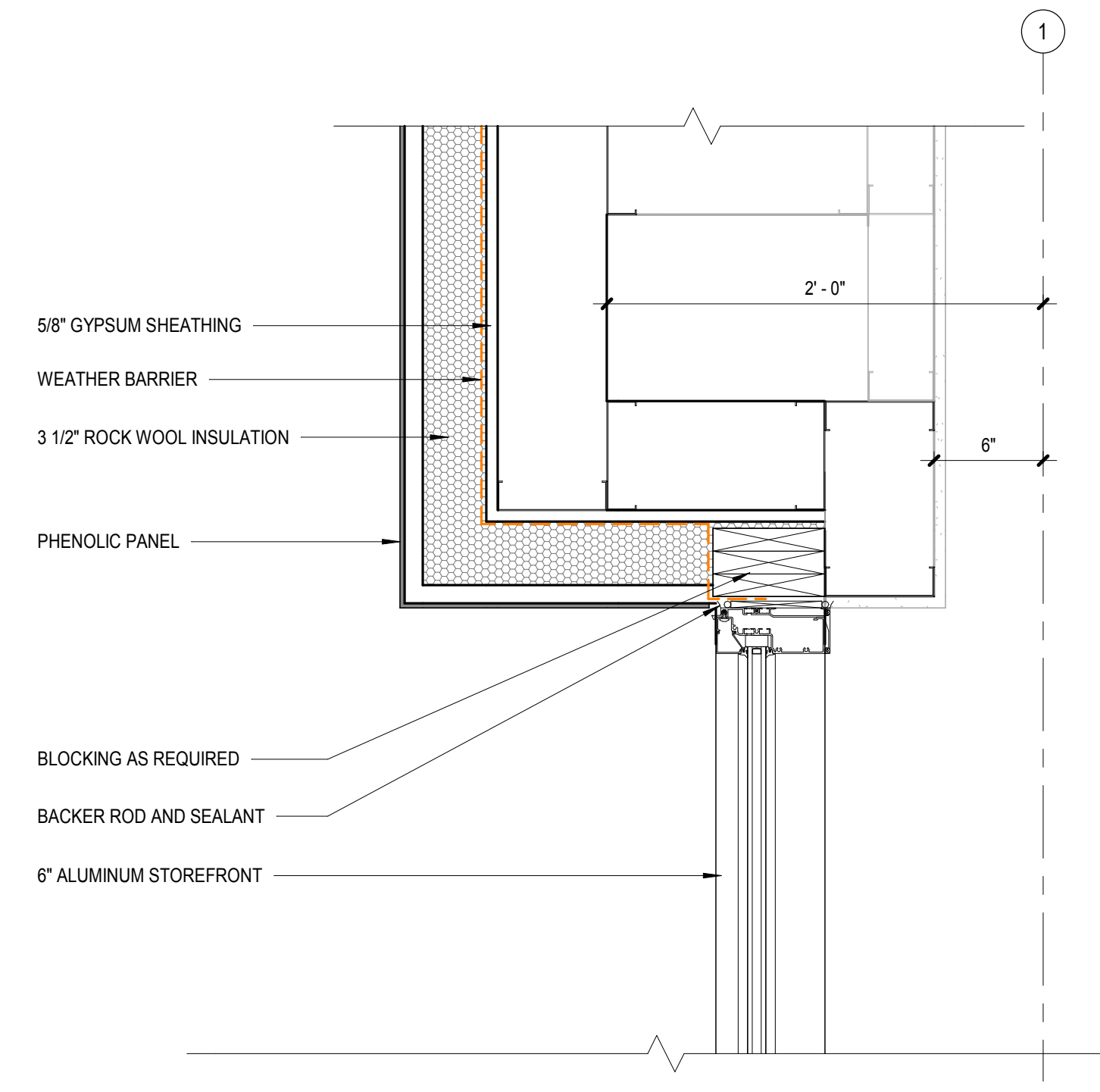
AMERICAN STRUCTUREPOINT
 7260 Shadeland Station
 Indianapolis, IN 46256
 P: 317.547.5590
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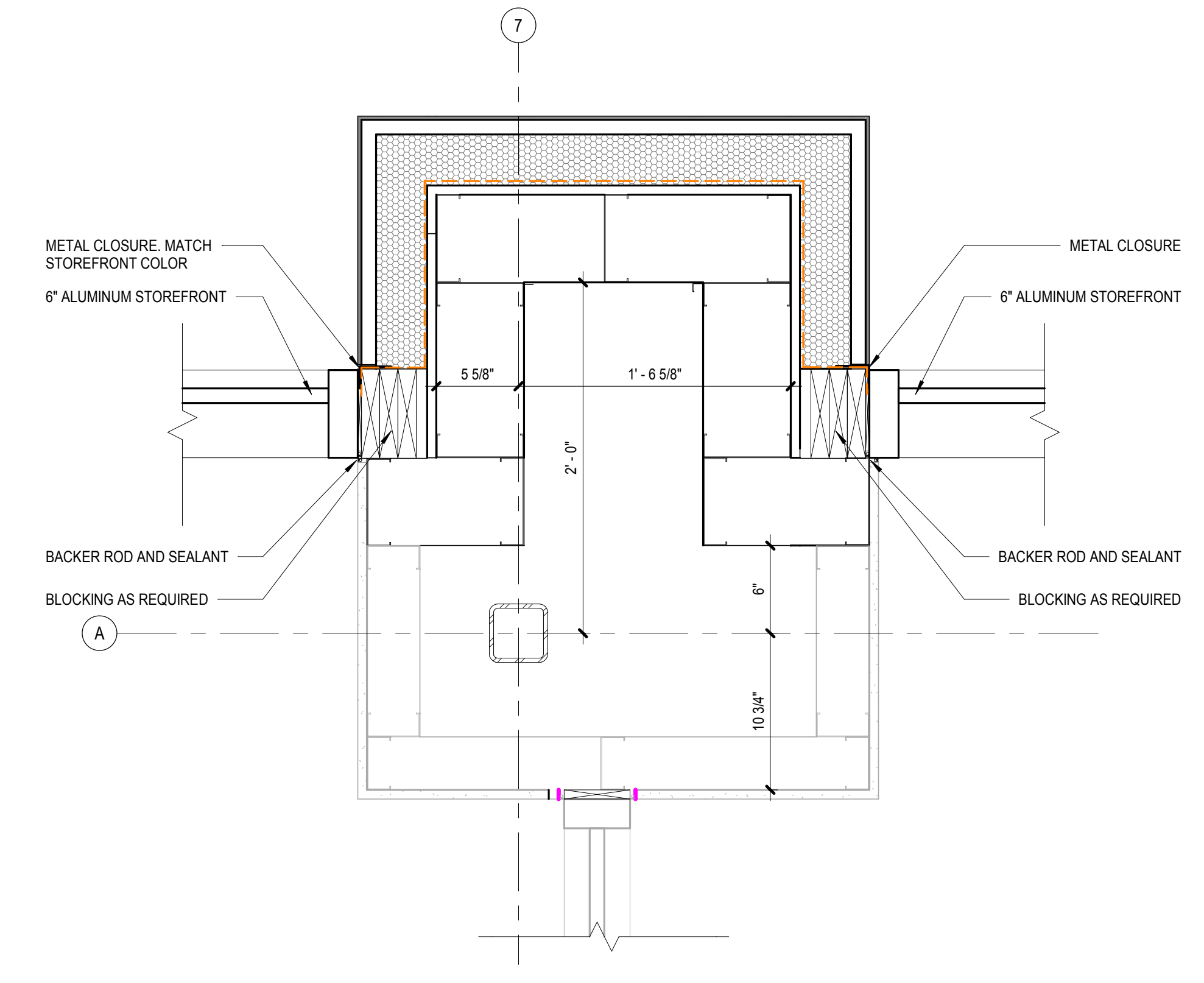
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 Merrillville, IN 46410
 P: 219.942.2787
 E: dmanderson@skillman.com



3 PLAN DETAIL
 1 1/2" = 1'-0"



2 PLAN DETAIL
 1 1/2" = 1'-0"



1 PLAN DETAIL
 1 1/2" = 1'-0"

PORTER COUNTY OFFICE BUILDING
 PORTAGE, IN

DANIEL L. MCCLOSKEY
 REGISTERED ARCHITECT
 No. AR10700109
 STATE OF INDIANA
Daniel L. McCloskey

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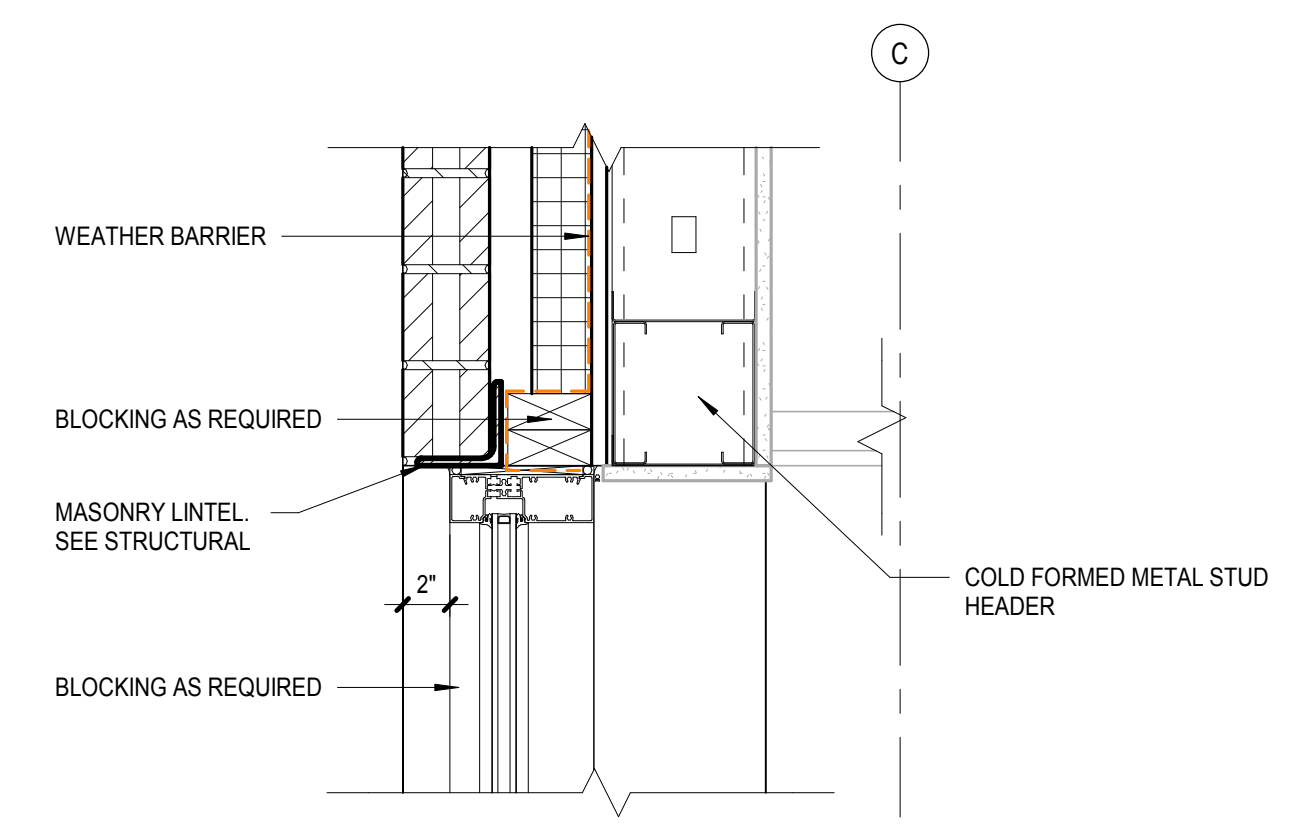
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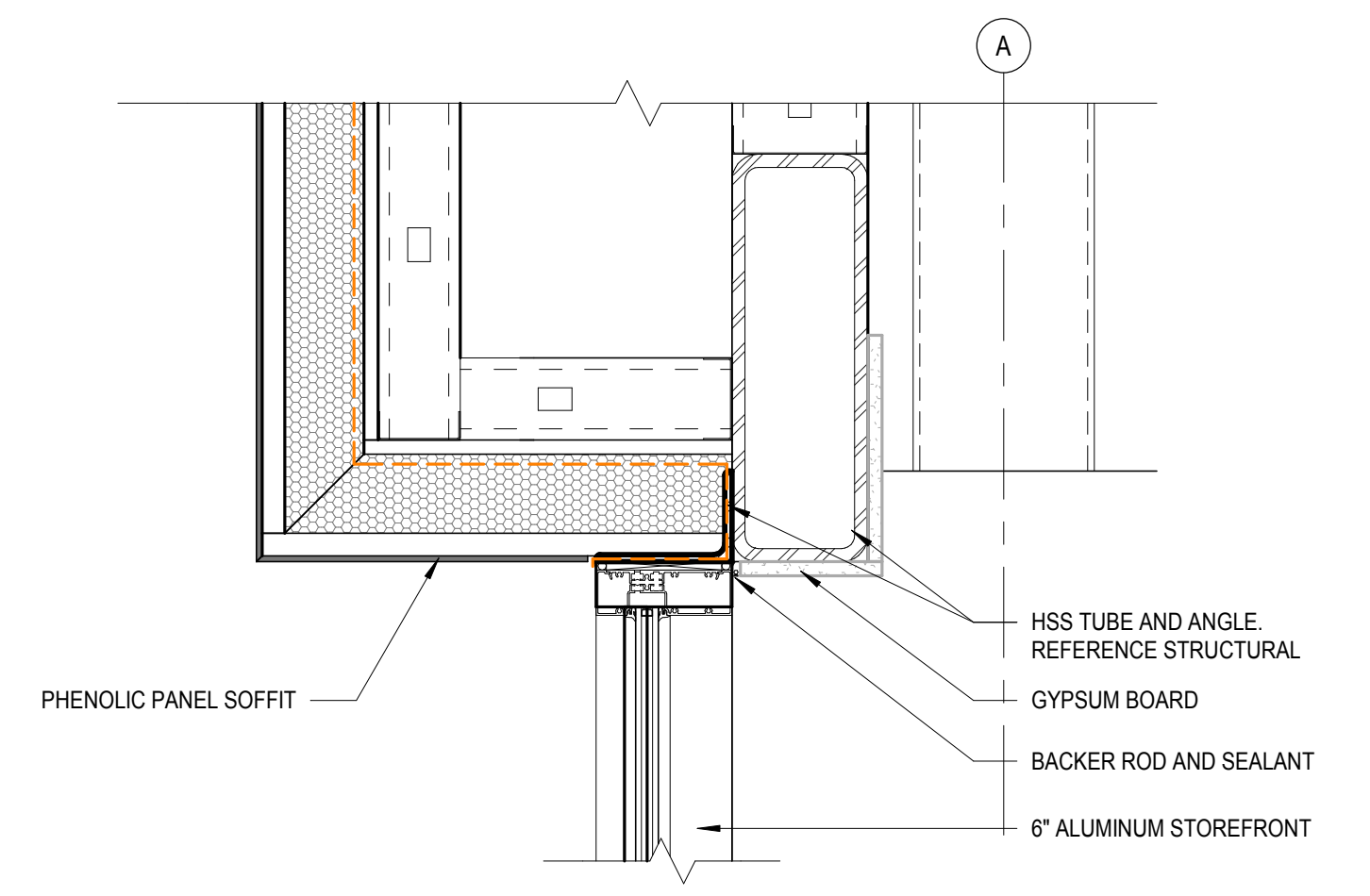
PLAN DETAILS

A501

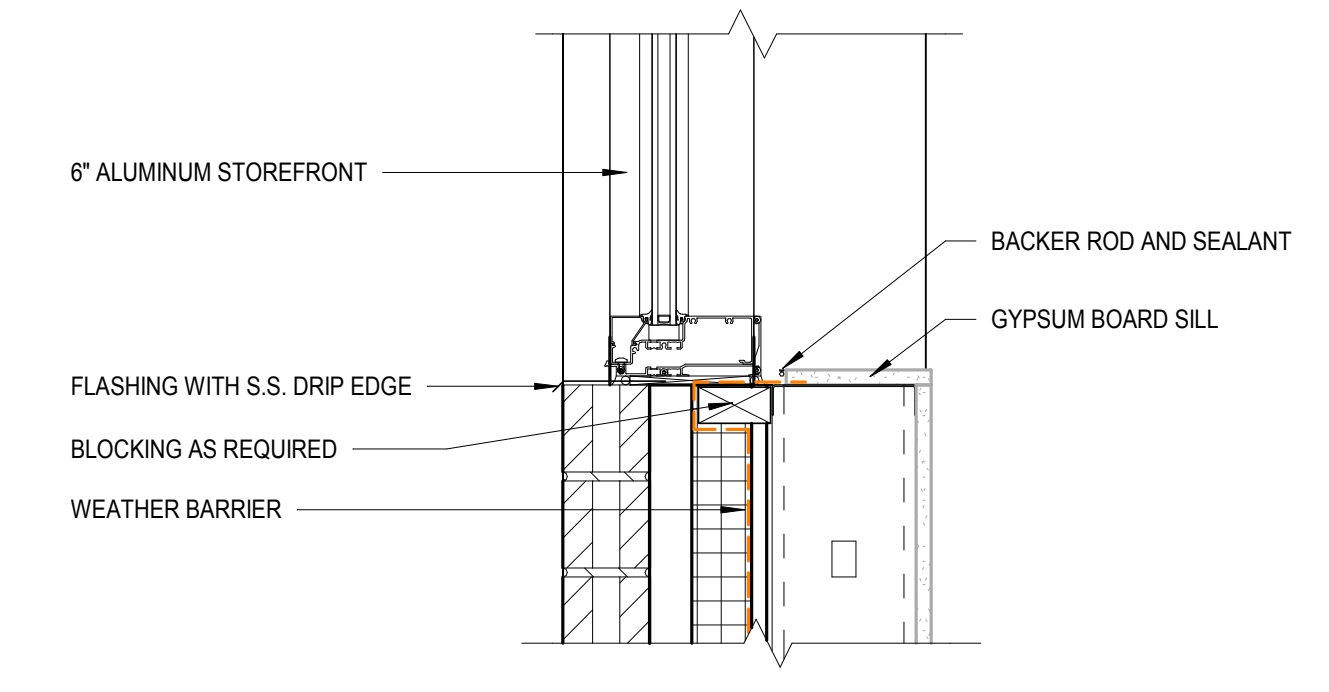
ALL INTERIOR METAL STUDS AND GYPSUM BOARD ARE NOT INCLUDED IN BID PACKAGE 01. THESE ITEMS ARE GREYED OUT AND WILL BE PART OF A LATER BID PACKAGE.



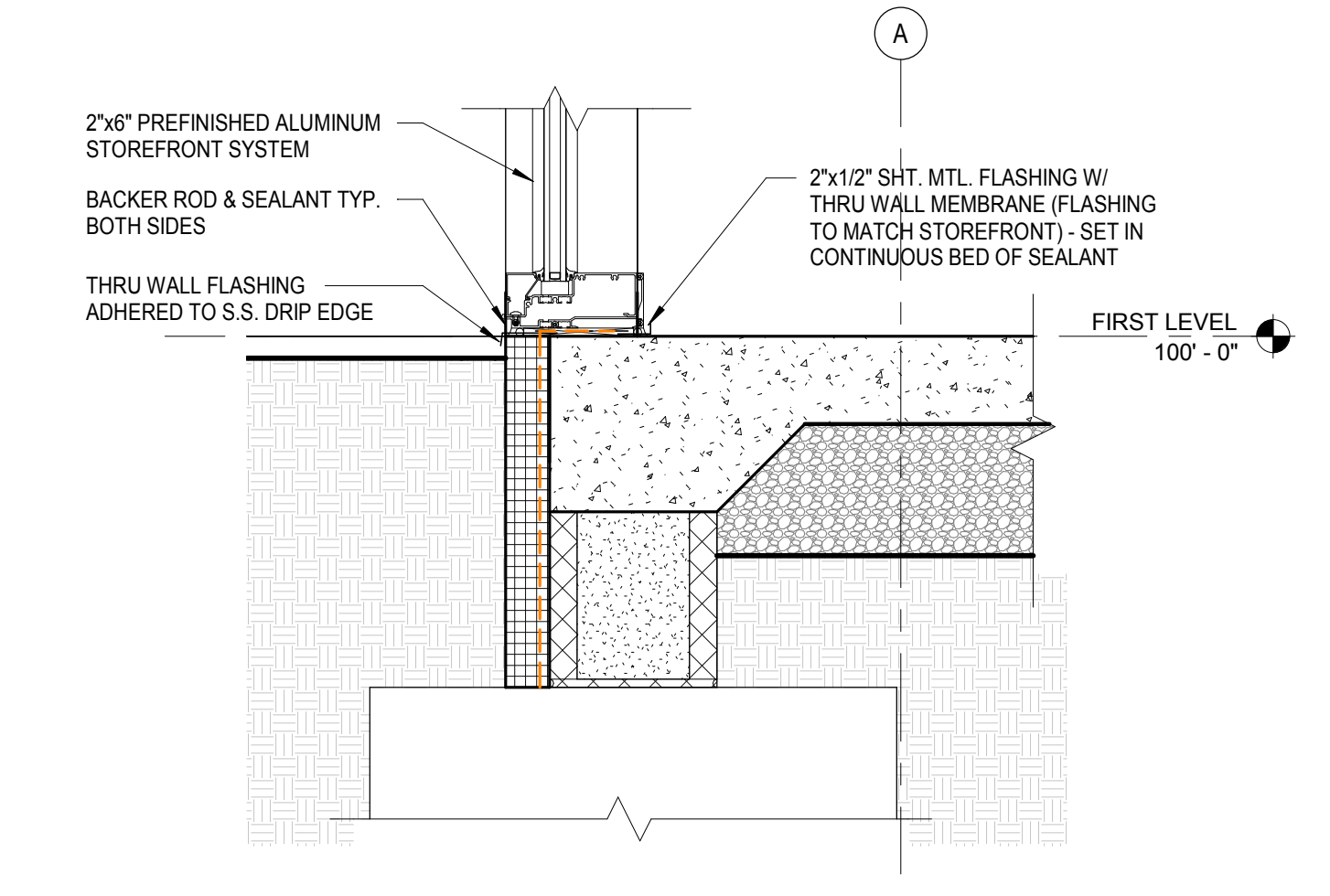
8 SECTION DETAIL
1 1/2" = 1'-0"



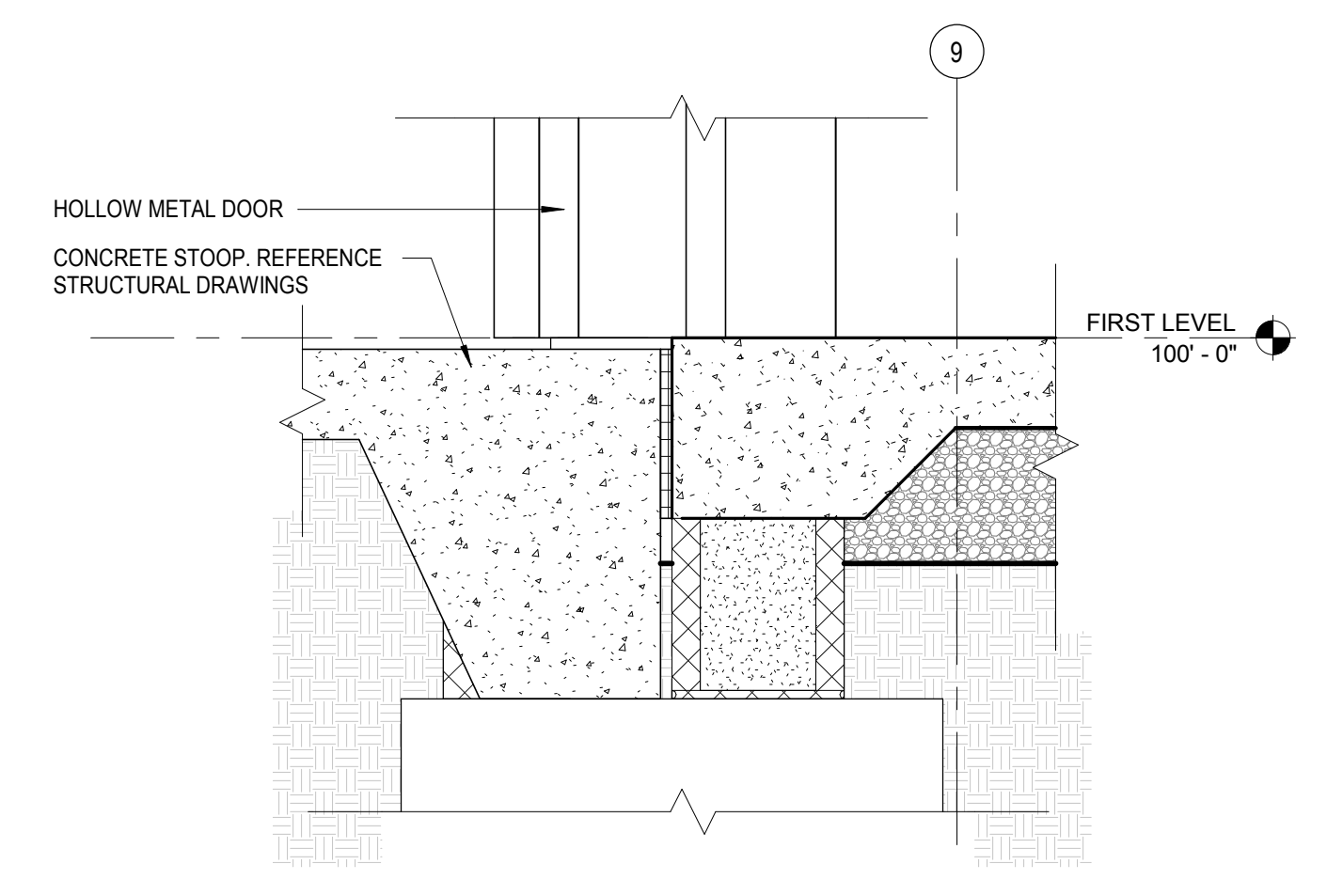
4 SECTION DETAIL
1 1/2" = 1'-0"



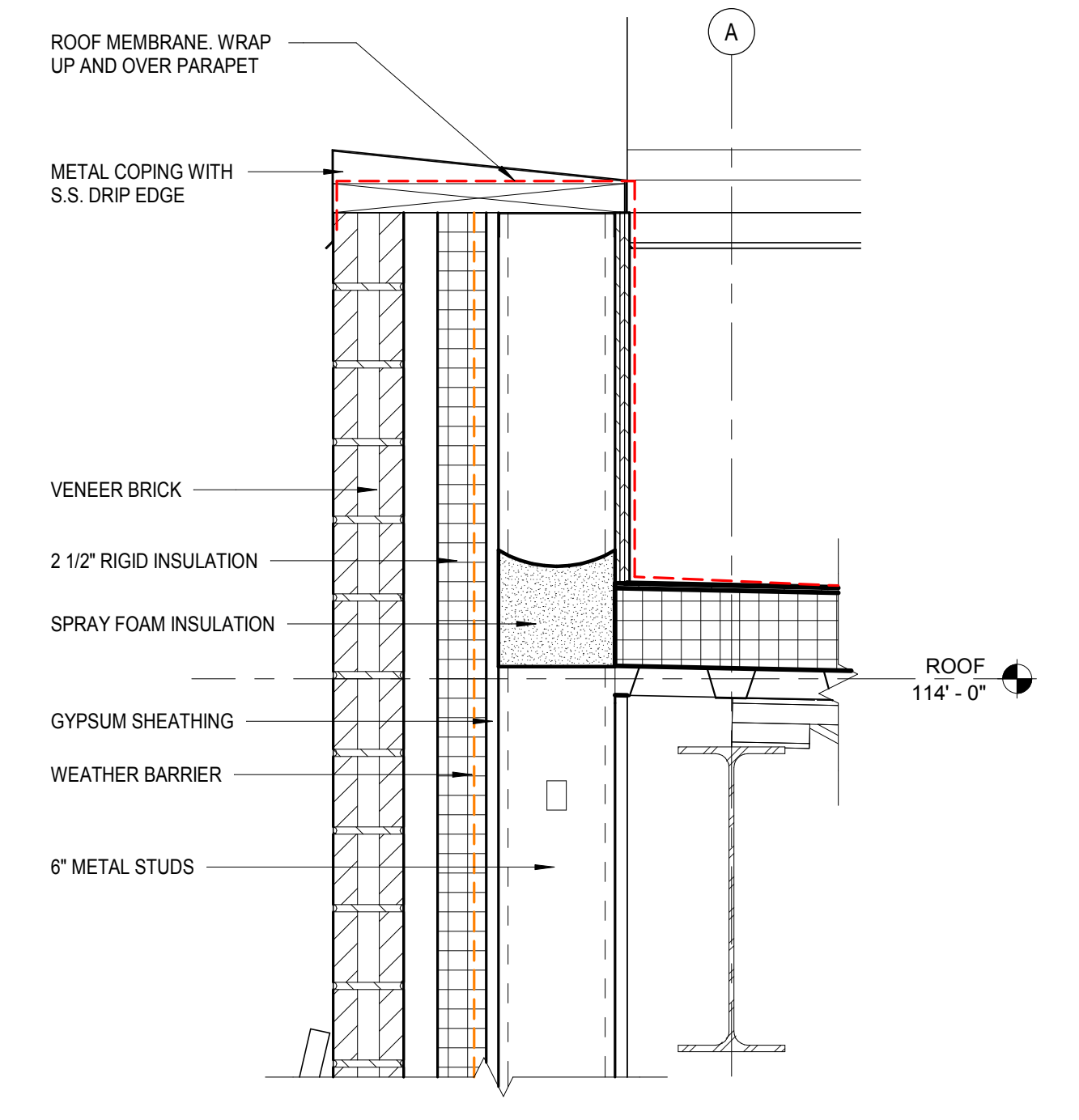
7 SECTION DETAIL
1 1/2" = 1'-0"



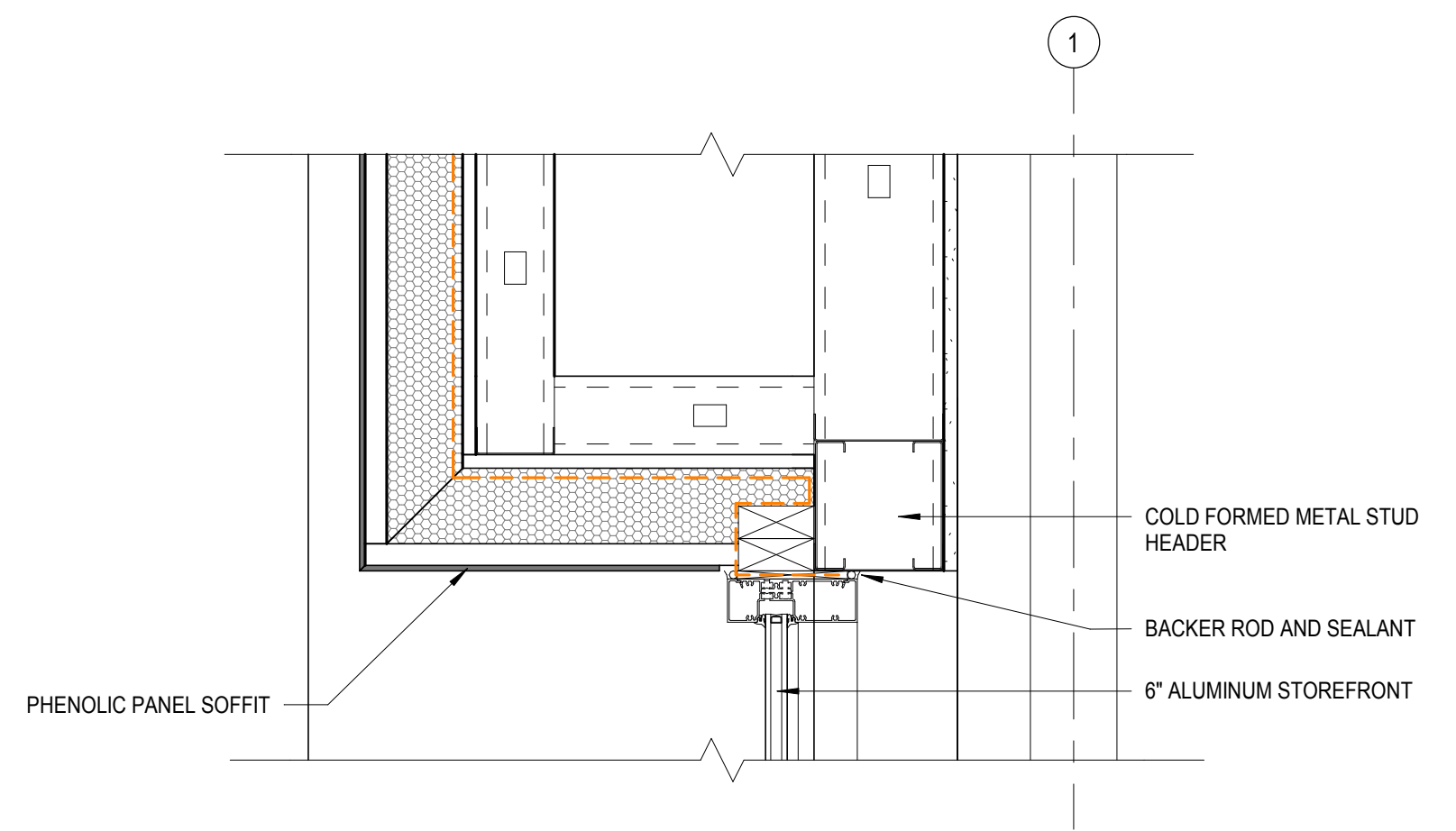
3 SECTION DETAIL
1 1/2" = 1'-0"



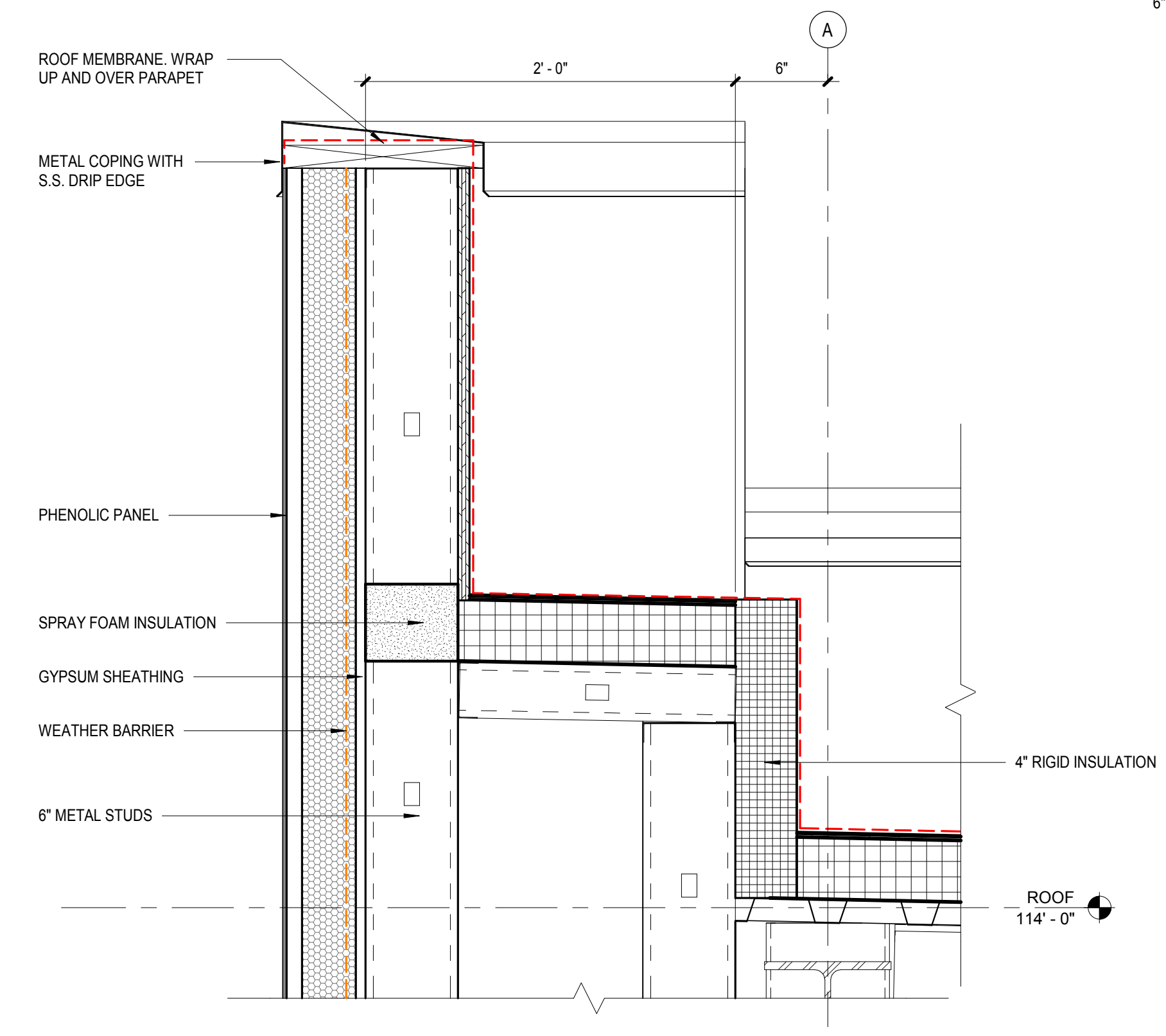
6 SECTION DETAIL
1 1/2" = 1'-0"



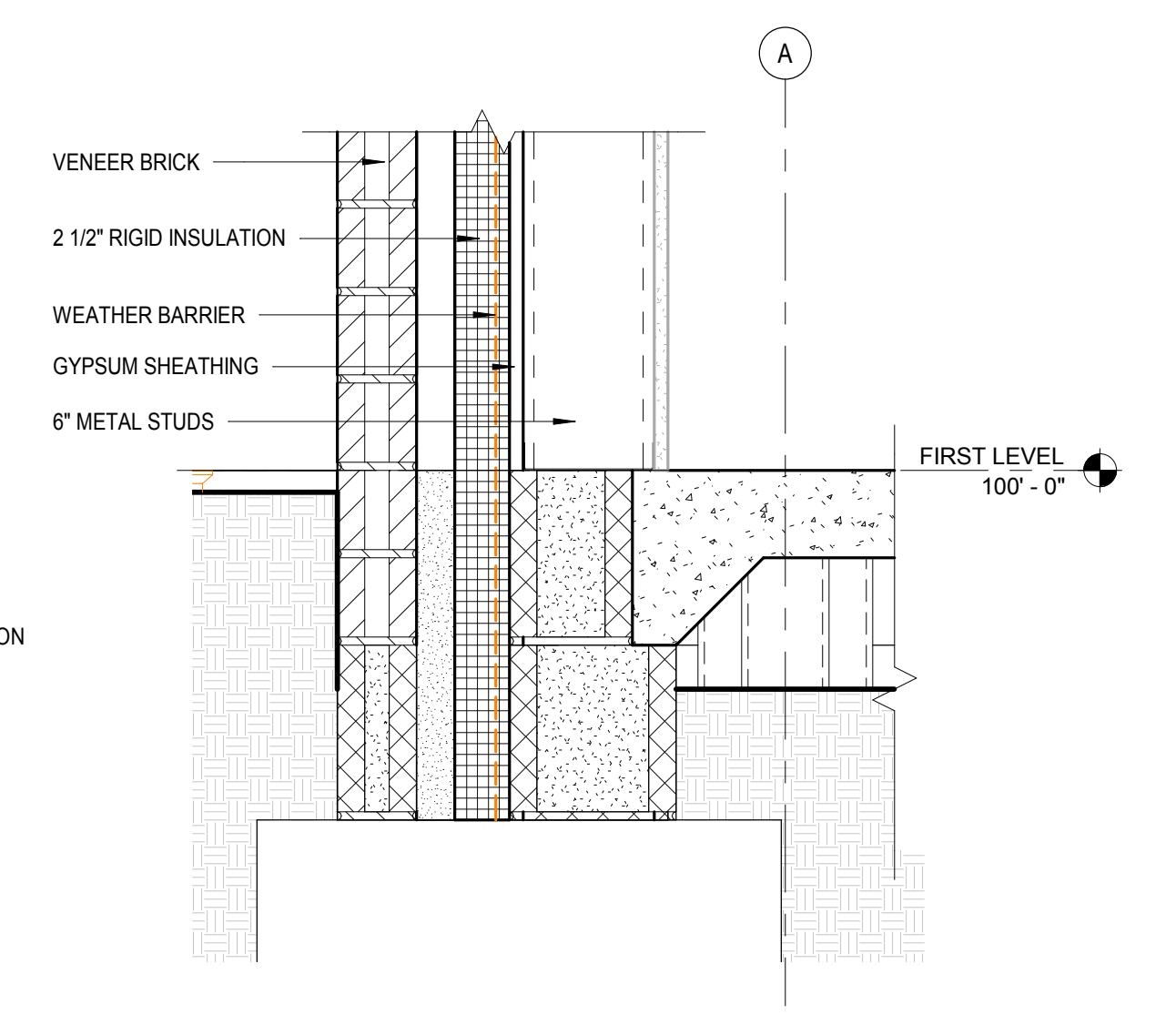
2 SECTION DETAIL
1 1/2" = 1'-0"



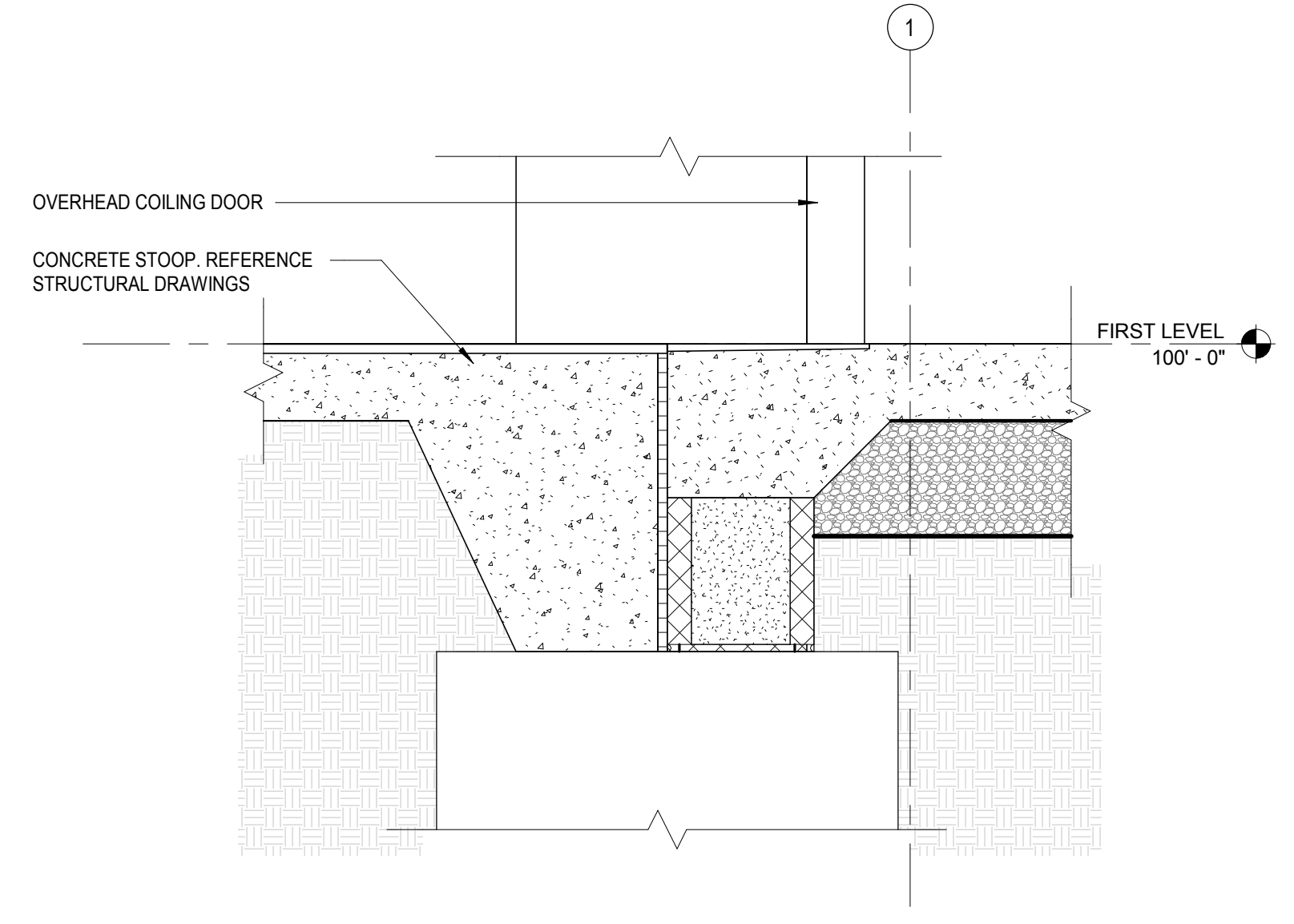
10 SECTION DETAIL
1 1/2" = 1'-0"



5 SECTION DETAIL
1 1/2" = 1'-0"



1 SECTION DETAIL
1 1/2" = 1'-0"



9 SECTION DETAIL
1 1/2" = 1'-0"

PORTER COUNTY OFFICE BUILDING
PORTAGE, IN

Daniel L. McCloskey
REGISTERED ARCHITECT
No. AR10700109
STATE OF INDIANA
APR 15 2018

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SECTION DETAILS

A521



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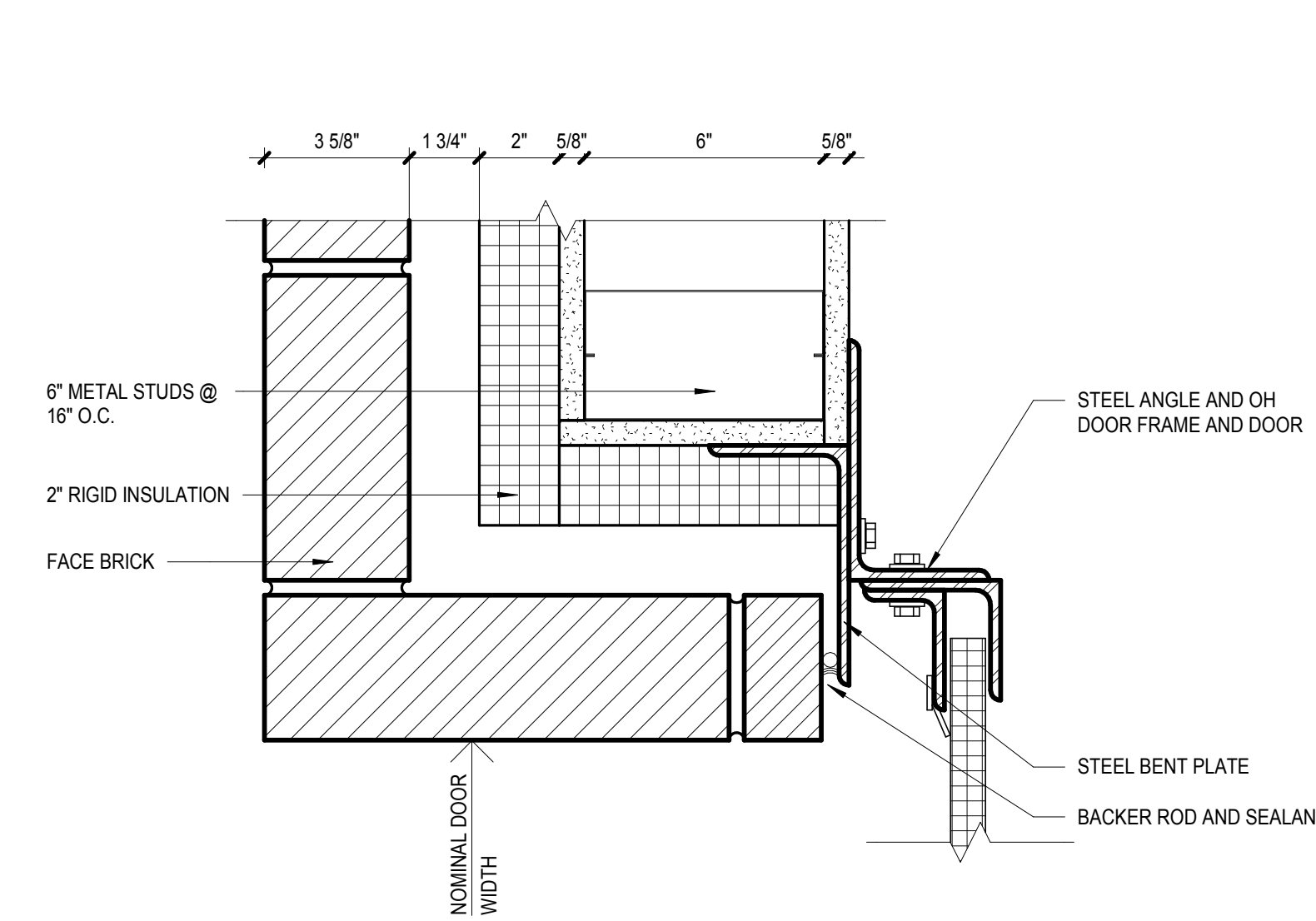
Project Number 2017.01279

DOOR SCHEDULES

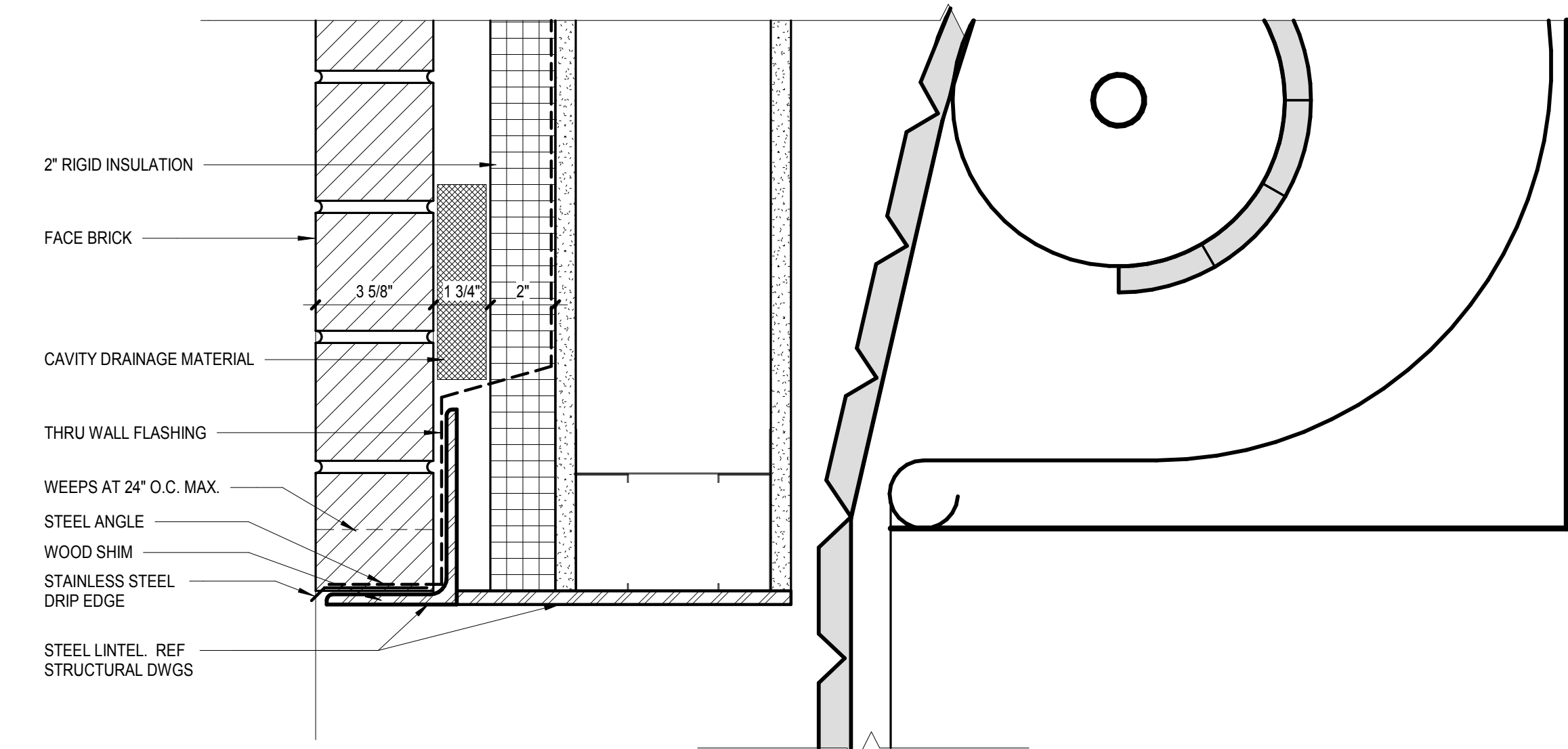
A601

GLAZING LEGEND	
	TYPE IG-1 CLEAR, INSULATED GLASS
	TYPE IG-2 SPANDREL, INSULATED GLASS

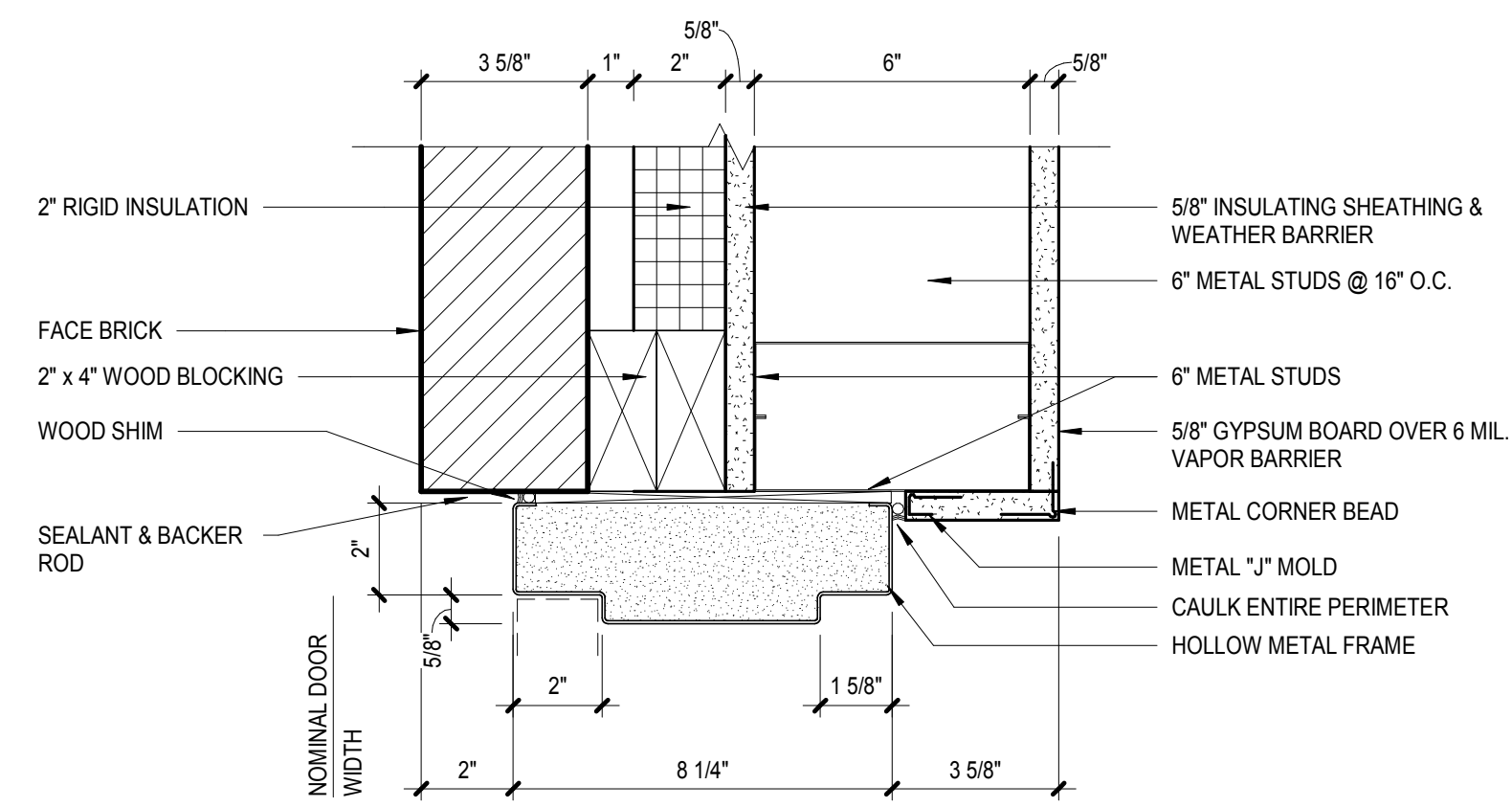
MARK	LOCATION	PAIR	POWER REQUIRED	DOOR		FRAME			FIRE RATING	AAS Project HW Set	COMMENTS	verified by PA/PM
				Height x Width x Thickness	MATERIAL	TYPE	MATERIAL	TYPE				
104A	EXTERIOR			8'-0" x 10'-0" x 2"	STEEL	D3	STEEL	F2	H2	J2		1.0
104B	EXTERIOR			7'-0" x 3'-0" x 1 3/4"	HOLLOW METAL	D1	HOLLOW METAL	F1	H1	J1		9.0
109	EXTERIOR	Yes		7'-0" x 6'-0" x 1 3/4"	HOLLOW METAL	D1	HOLLOW METAL	F1	H1	J1		3.0
116	EXTERIOR			7'-0" x 3'-0" x 1 3/4"	HOLLOW METAL	D1	HOLLOW METAL	F1	H1	J1		4.0
121B	EXTERIOR			7'-0" x 3'-0" x 1 3/4"	HOLLOW METAL	D1	HOLLOW METAL	F1	H1	J1		9.0
123	EXTERIOR			7'-0" x 3'-0" x 2"	ALUMINUM/GLASS	D2	ALUMINUM	5/A601				7.0
129B	EXTERIOR			7'-0" x 3'-0" x 1 3/4"	HOLLOW METAL	D1	HOLLOW METAL	F1	H1	J1		9.0
130	EXTERIOR			7'-0" x 3'-0" x 2"	ALUMINUM/GLASS	D2	ALUMINUM	5/A601				8.0
132	EXTERIOR			7'-0" x 3'-0" x 1 3/4"	HOLLOW METAL	D1	HOLLOW METAL	F1	H1	J1		9.0
145	EXTERIOR			7'-0" x 3'-0" x 1 3/4"	HOLLOW METAL	D1	HOLLOW METAL	F1	H1	J1		9.0
173	EXTERIOR			7'-0" x 6'-0" x 2"	ALUMINUM/GLASS	D2	ALUMINUM	5/A601				7.0



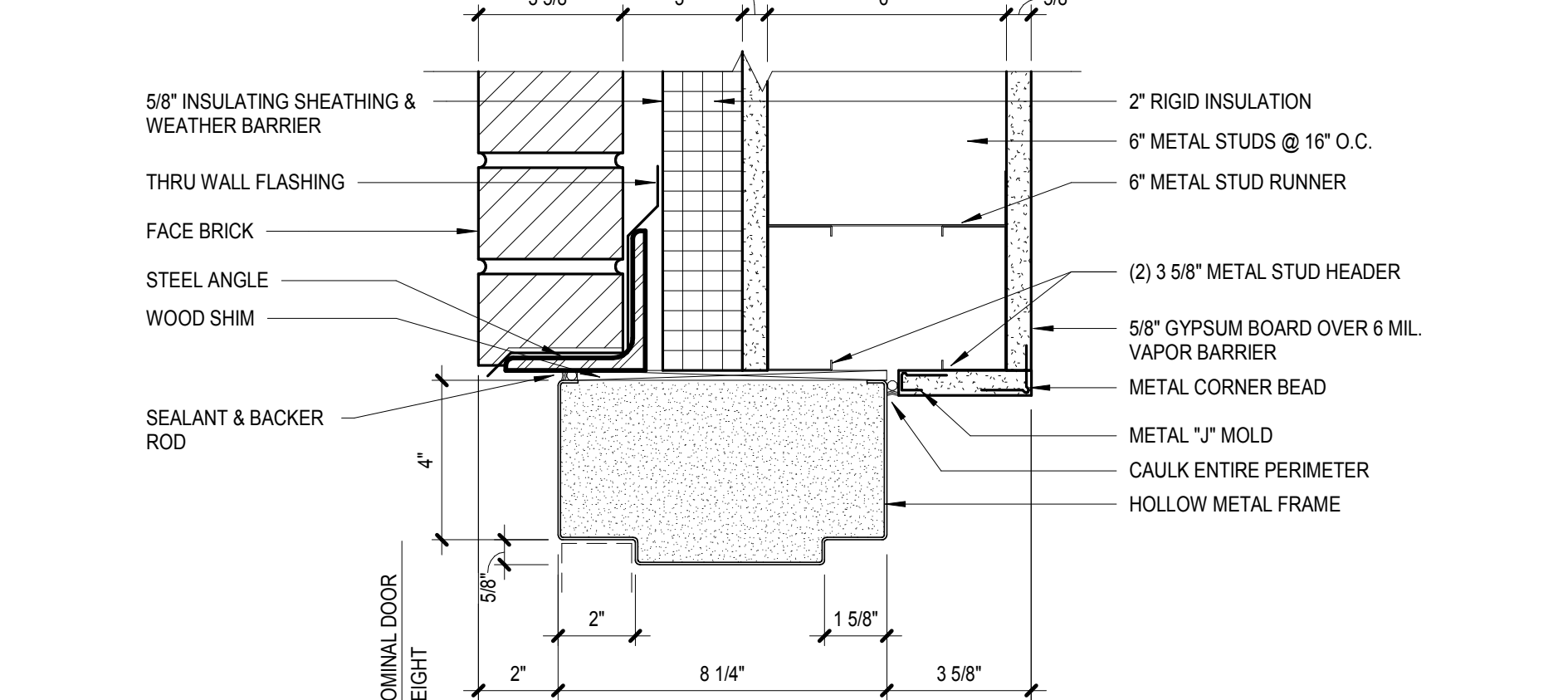
J2 DOOR JAMB 'J2'
3" = 1'-0"



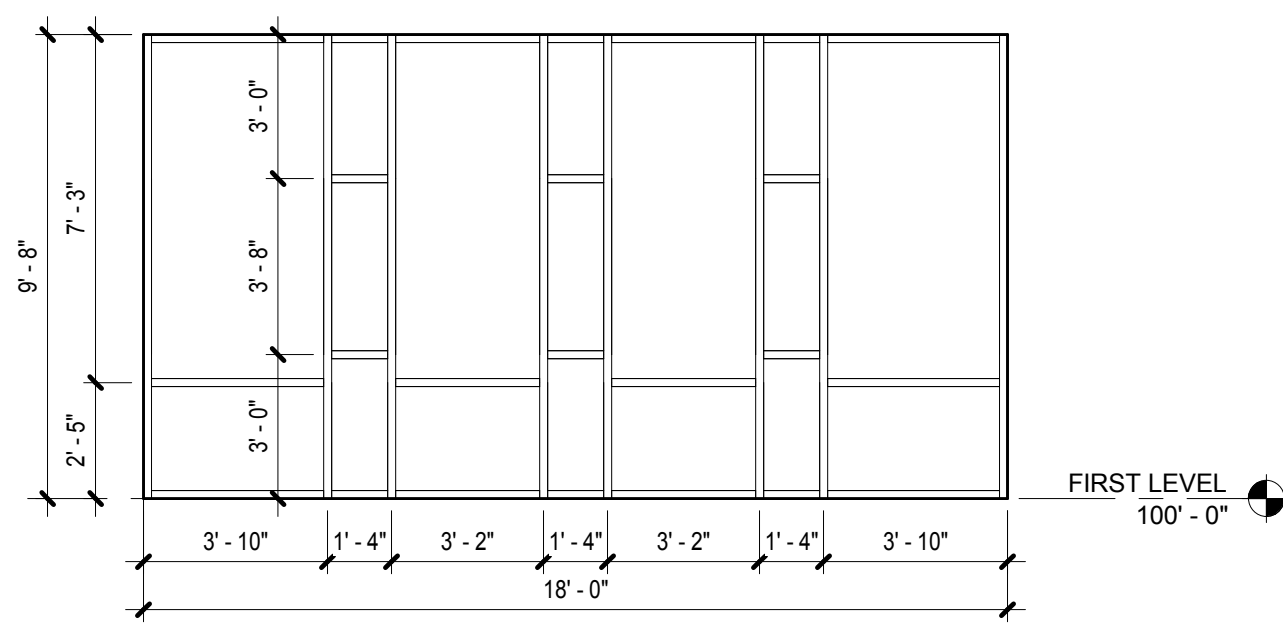
H2 DOOR HEAD 'H2'
3" = 1'-0"



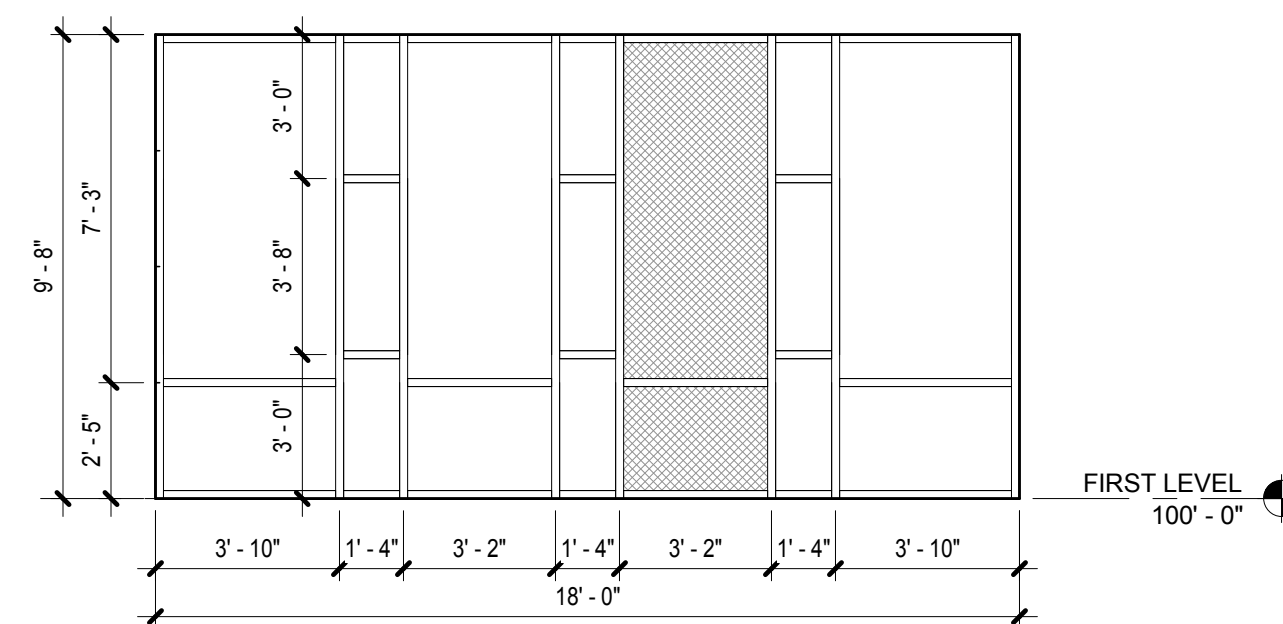
J1 DOOR JAMB 'J1'
3" = 1'-0"



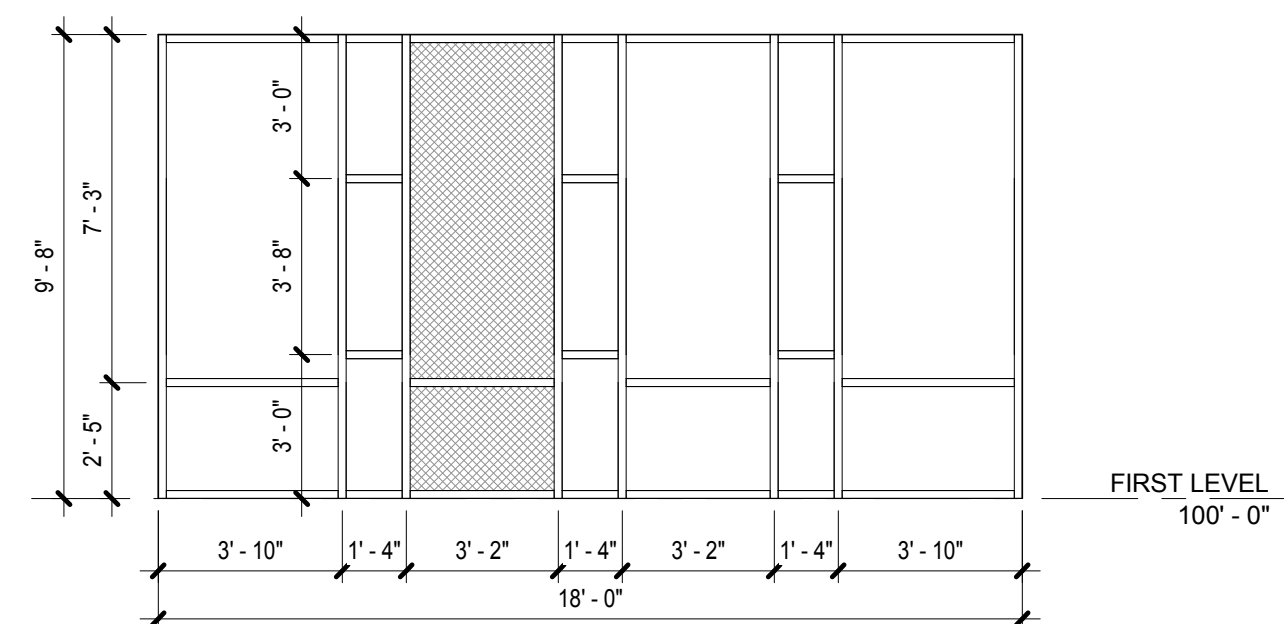
H1 DOOR HEAD 'H1'
3" = 1'-0"



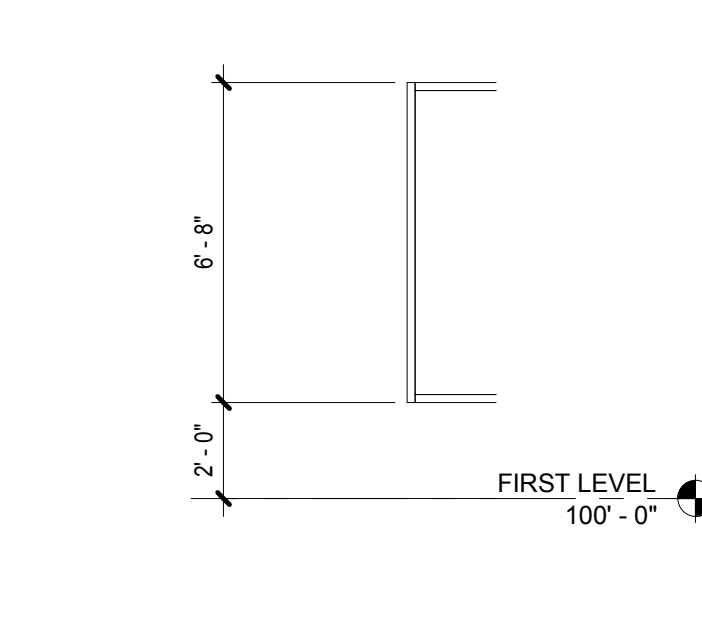
7 STOREFRONT SF7 ELEVATION
1/4" = 1'-0"



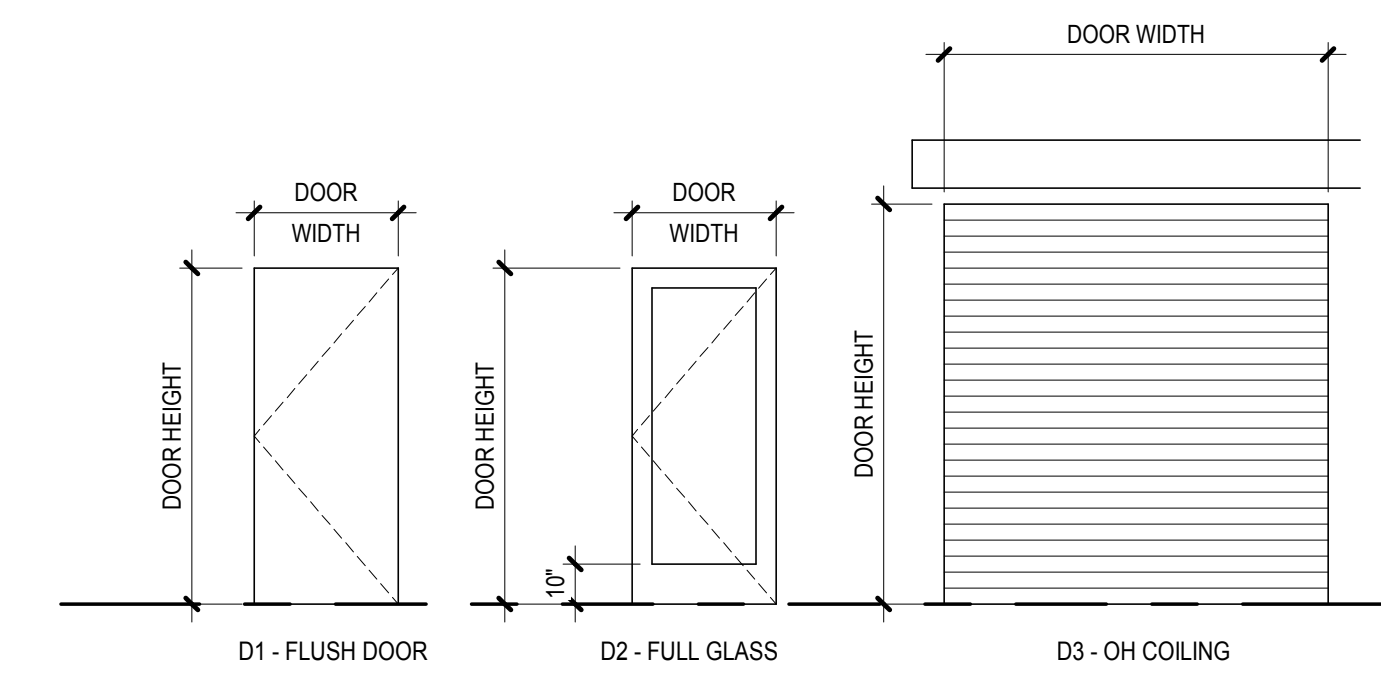
5 STOREFRONT SF5 ELEVATION
1/4" = 1'-0"



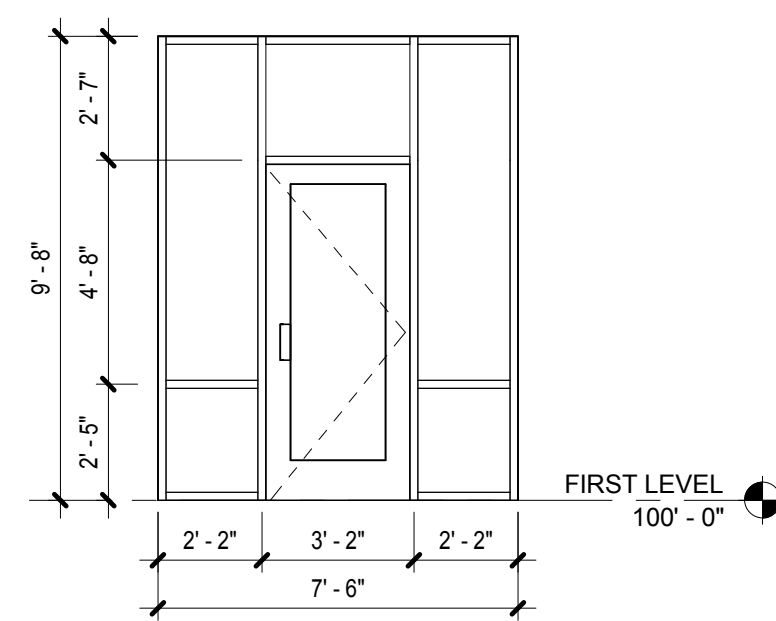
4 STOREFRONT SF4 ELEVATION
1/4" = 1'-0"



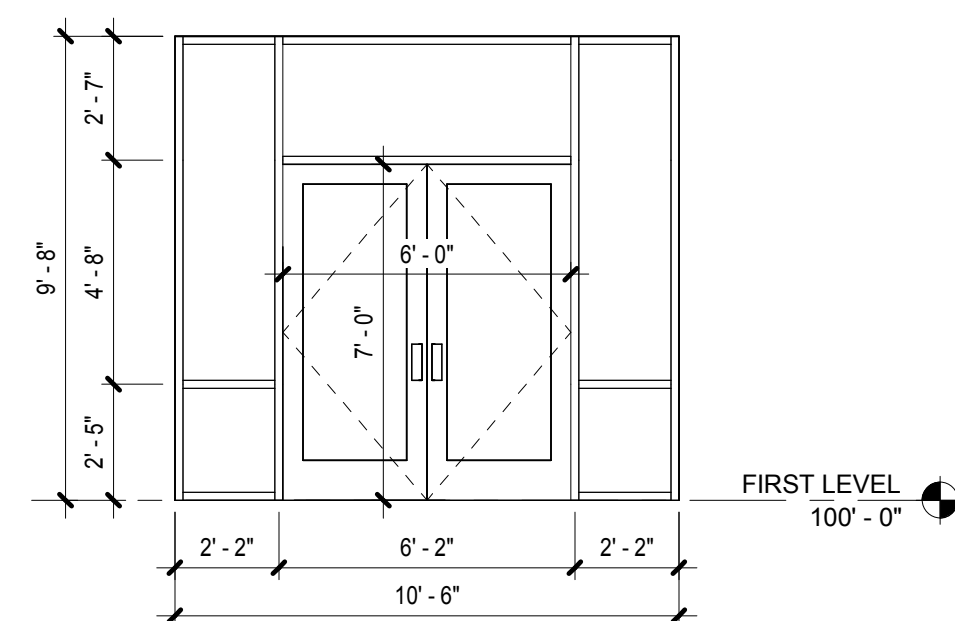
2 STOREFRONT SF2 ELEVATION
1/4" = 1'-0"



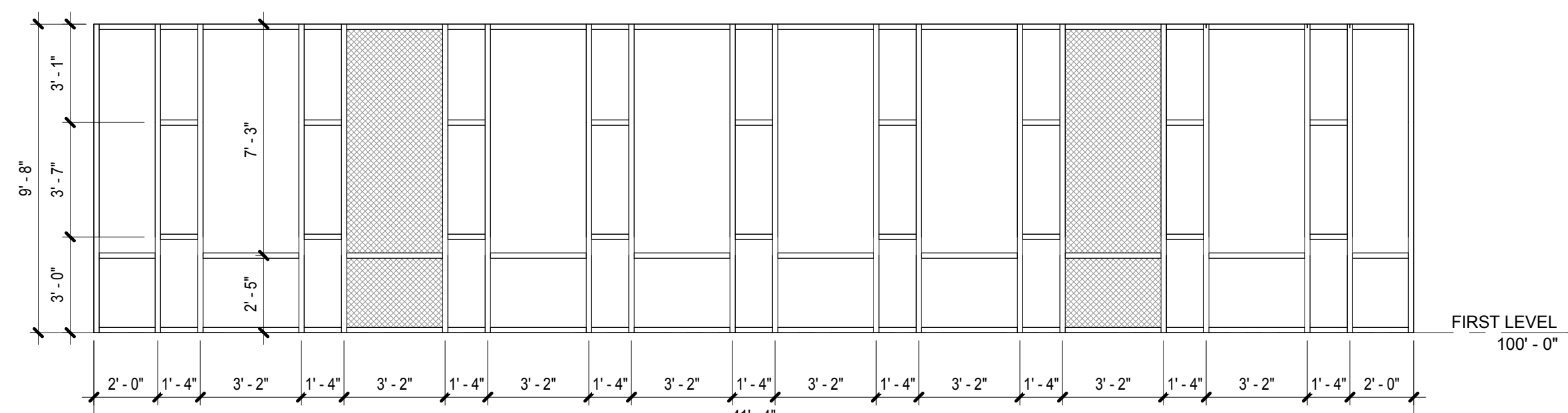
DOOR ELEVATIONS



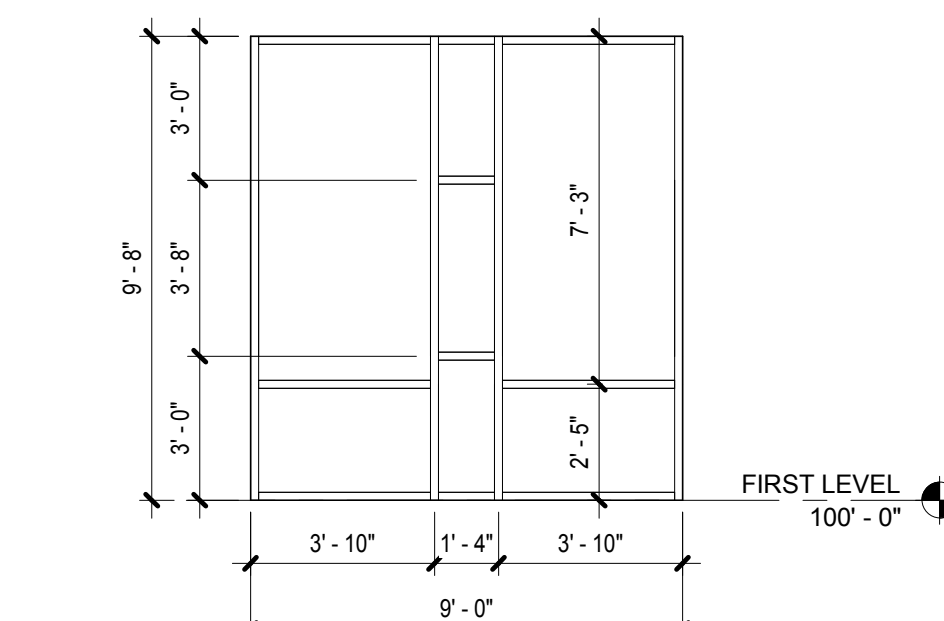
8 STOREFRONT SF8 ELEVATION
1/4" = 1'-0"



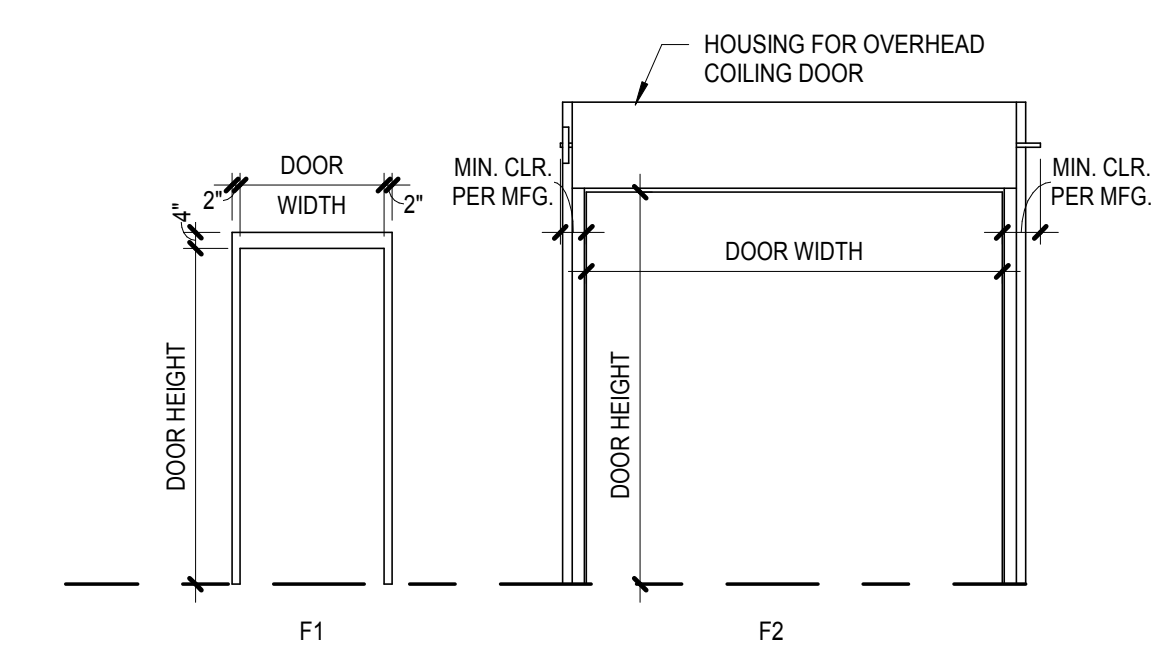
6 STOREFRONT SF6 ELEVATION
1/4" = 1'-0"



3 STOREFRONT SF3 ELEVATION
1/4" = 1'-0"



1 STOREFRONT SF1 ELEVATION
1/4" = 1'-0"



DOOR FRAME ELEVATIONS