

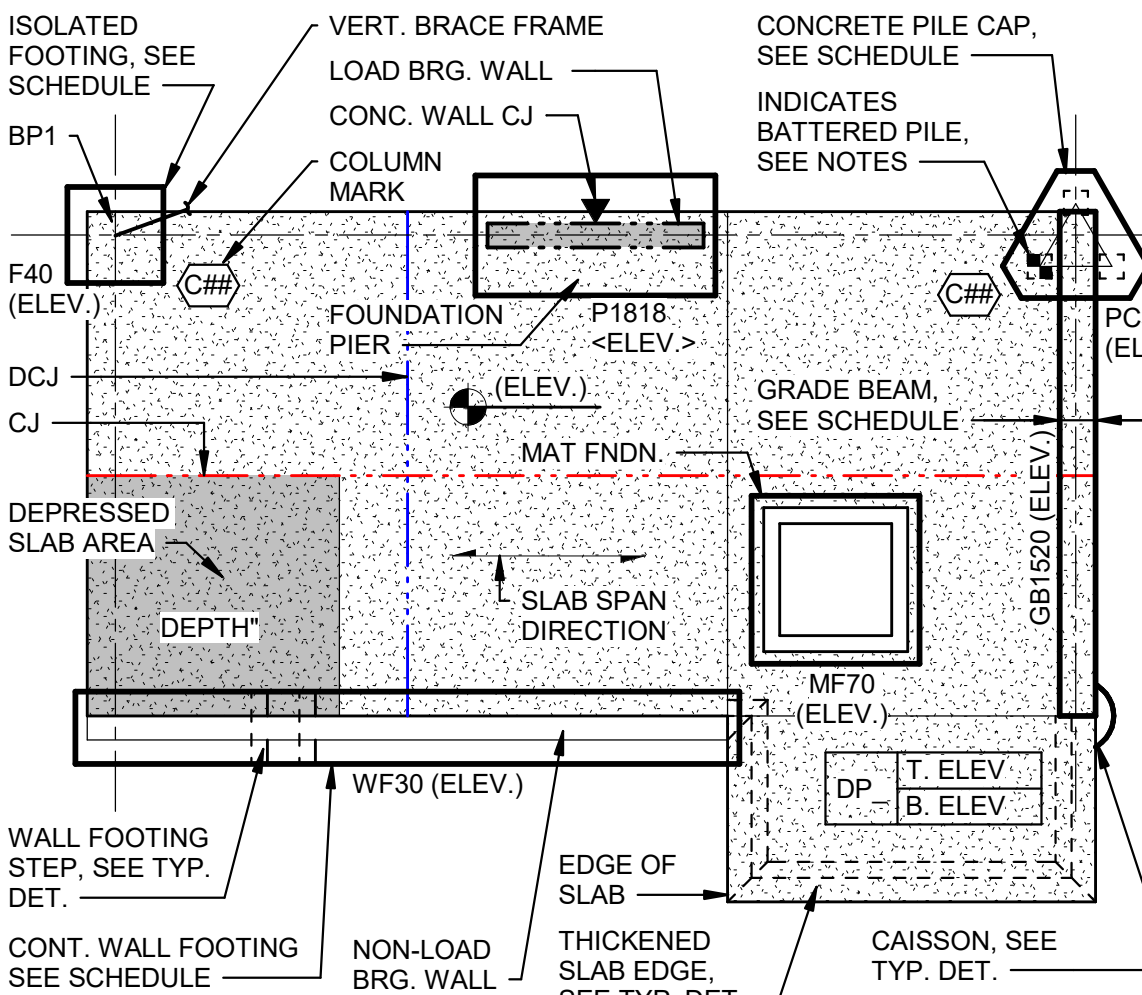
STRUCTURAL ABBREVIATIONS

Table of structural abbreviations including ANCHOR BOLT, AMERICAN CONCRETE INSTITUTE, ARCHITECTURAL, etc., with corresponding symbols and codes.

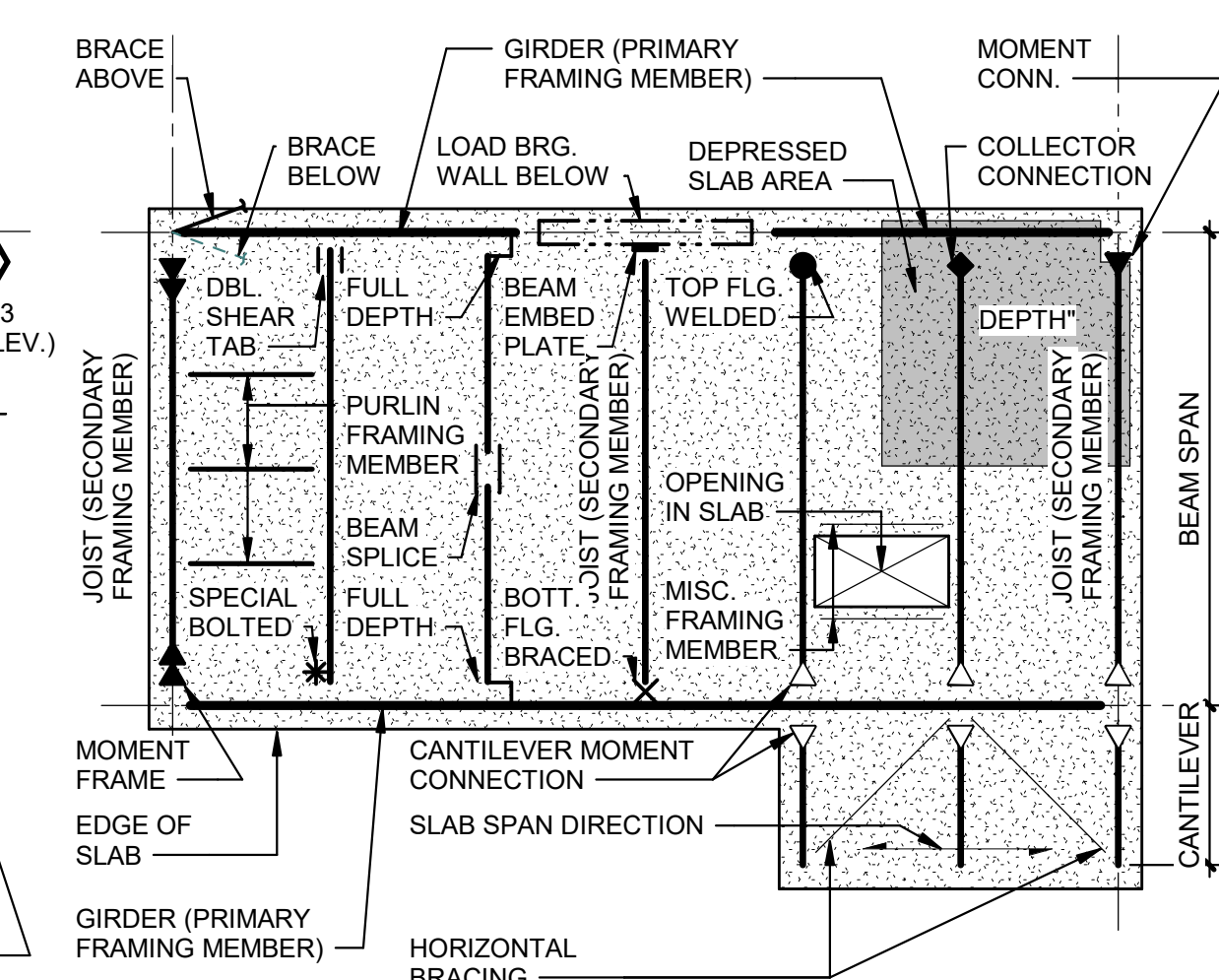
MATERIALS AND SYMBOLS LEGEND

Legend for materials and symbols including BRICK, CONCRETE, CMU, DEPRESSIONED SLAB AREA, EARTH/SOIL, FILL GROUT, etc., with corresponding hatching patterns.

FOUNDATION PLAN SYMBOLS LEGEND



STEEL FRAMING CONN. SYMBOLS LEGEND



DRAWINGS & COORDINATION

- 1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS...
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DIMENSIONS SHOWN ON THE CONTRACT DOCUMENTS.

REINFORCING STEEL

- 1. DETAILING, FABRICATION, STORAGE, AND INSTALLATION OF REINFORCING UNLESS OTHERWISE SHOWN ON THE PLANS, SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318) AND THE 'MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES' (ACI 315)...
2. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60...

REINFORCED CONCRETE MASONRY

- 1. DETAILS FOR MASONRY CONSTRUCTION ON THE STRUCTURAL DRAWINGS ARE LIMITED IN SCOPE TO SHOW STRUCTURAL REQUIREMENTS ONLY...
2. MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530, CONCRETE MASONRY BLOCK SHALL CONFORM TO ASTM C90...
3. PROPORTIONING OF ALL MORTAR SHALL BE ONLY BY VOLUME MEASUREMENT...

CONCRETE

- 1. CONCRETE SHALL BE NORMAL WEIGHT CONCRETE UNLESS NOTED OTHERWISE...
2. WALLS AND CURBS 4000 PSI
3. CONCRETE PERMANENTLY EXPOSED TO WEATHER SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SHALL CONTAIN APPROXIMATELY 6% ENTRAINED AIR...

CONSTRUCTION

- 1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF PERSONS AND PROPERTY EITHER ON OR ADJACENT TO THE PROJECT AND SHALL PROTECT SAME AGAINST INJURY, DAMAGE, OR LOSS...
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY REGULATIONS, PROGRAMS, AND PRECAUTIONS RELATED TO ALL WORK ON THIS PROJECT...
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIALS IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS...

ANCHORS & FASTENERS

- 1. GENERAL:
A. ALL ANCHOR AND FASTENER PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS...
B. THE INSTALLATION OF ANCHORS IN HARDENED CONCRETE SHALL NOT DAMAGE THE SURROUNDING CONCRETE OR ANYTHING EMBEDDED IN THE CONCRETE...
C. ADHESIVE ANCHORS SHALL BE INSTALLED PER THESE NOTES AND PER TYPICAL DETAILS...

SUBMITTAL NOTES

- 1. ALL SHOP DRAWINGS MUST BE REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL...
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS IN ELECTRONIC FORMAT...
3. SHOP DRAWINGS SUBMITTALS REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE STRUCTURAL SPECIFICATIONS...
4. THE GENERAL CONTRACTOR SHALL SUBMIT THE FOLLOW SHOP DRAWINGS FOR STRUCTURE ENGINEER AND ARCHITECT REVIEW...

STRUCTURAL DESIGN DATA

- 1. CODES AND STANDARDS:
A. 2018 IBC - REVISIONS TO THE 2015 INTERNATIONAL BUILDING CODE
B. MIN DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7-10
C. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14
D. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, ACI 530-13
E. SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AISC 360-10
F. AF&PA - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION...
2. FOUNDATIONS:
3. GRAVITY LOADS:
A. FLOOR LIVE LOADS:
1. OFFICE 50 PSF
2. CORRIDORS ABOVE FIRST FLOOR 100 PSF
3. CORRIDORS ABOVE FIRST FLOOR 80 PSF
4. STAIRS 100 PSF
5. PARTITION 15 PSF
4. WIND LOADS:
A. ULTIMATE WIND SPEED 155 MPH
B. RISK CATEGORY III
C. IMPORTANCE FACTOR 1.00
D. EXPOSURE CATEGORY C
E. INTERNAL PRESSURE COEFFICIENT +/-0.18
5. EARTHQUAKE LOADS:
A. MAPPED SPECTRAL RESPONSE ACCELERATION:
1. SHORT PERIOD SS = 0.217
2. SECOND PERIOD S1 = 0.092
B. DESIGN SPECTRAL RESPONSE ACCELERATION:
1. SHORT PERIOD SDS = 0.232
2. SECOND PERIOD SD1 = 0.146
C. SITE CLASS D
D. RISK CATEGORY (SEISMIC USE GROUP) II
E. IMPORTANCE FACTOR 1.25
F. SEISMIC DESIGN CATEGORY I
G. SEISMIC FORCE RESISTING SYSTEM (PHASE 2)
1. STEEL ORDINARY CONCENTRICALLY BRACE FRAMES
2. RESPONSE MODIFICATION COEFFICIENT (R) 2.25
3. SYSTEM OVERSTRENGTH FACTOR (OO) 2.25
4. DEFLECTION AMPLITUDE FACTOR (DA) 1.25
5. SEISMIC RESPONSE COEFFICIENT (Cs) 0.089
H. ANALYSIS PROCEDURE - EQUALIZED LATERAL FORCE
I. DESIGN BASE SHEAR (PHASE 2)
1. EAST-WEST DIRECTION 40 KIPS
2. NORTH-SOUTH DIRECTION 40 KIPS
*BASE SHEARS LISTED ARE ONLY CONSIDERING THE STRUCTURAL SYSTEMS PER PHASE.

DRAWING INDEX - PHASE 2

Table with columns: S-001B, S-101B, S-102B, S-501B, S-601B, S-701B, S-702B, S-801B, S-901B, S-902B. Rows list drawing titles like FLOOR PLAN, FRAMING PLAN, FOUNDATION TYPICAL, etc.

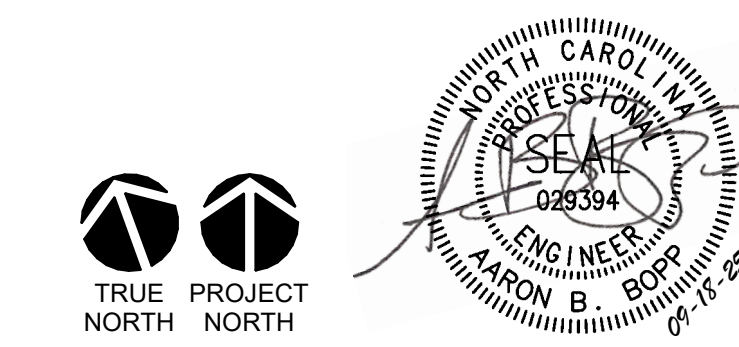
Table with columns: REV, DESCRIPTION, BY, CR#, APPROVAL, DATE. Contains revision history for the drawing.

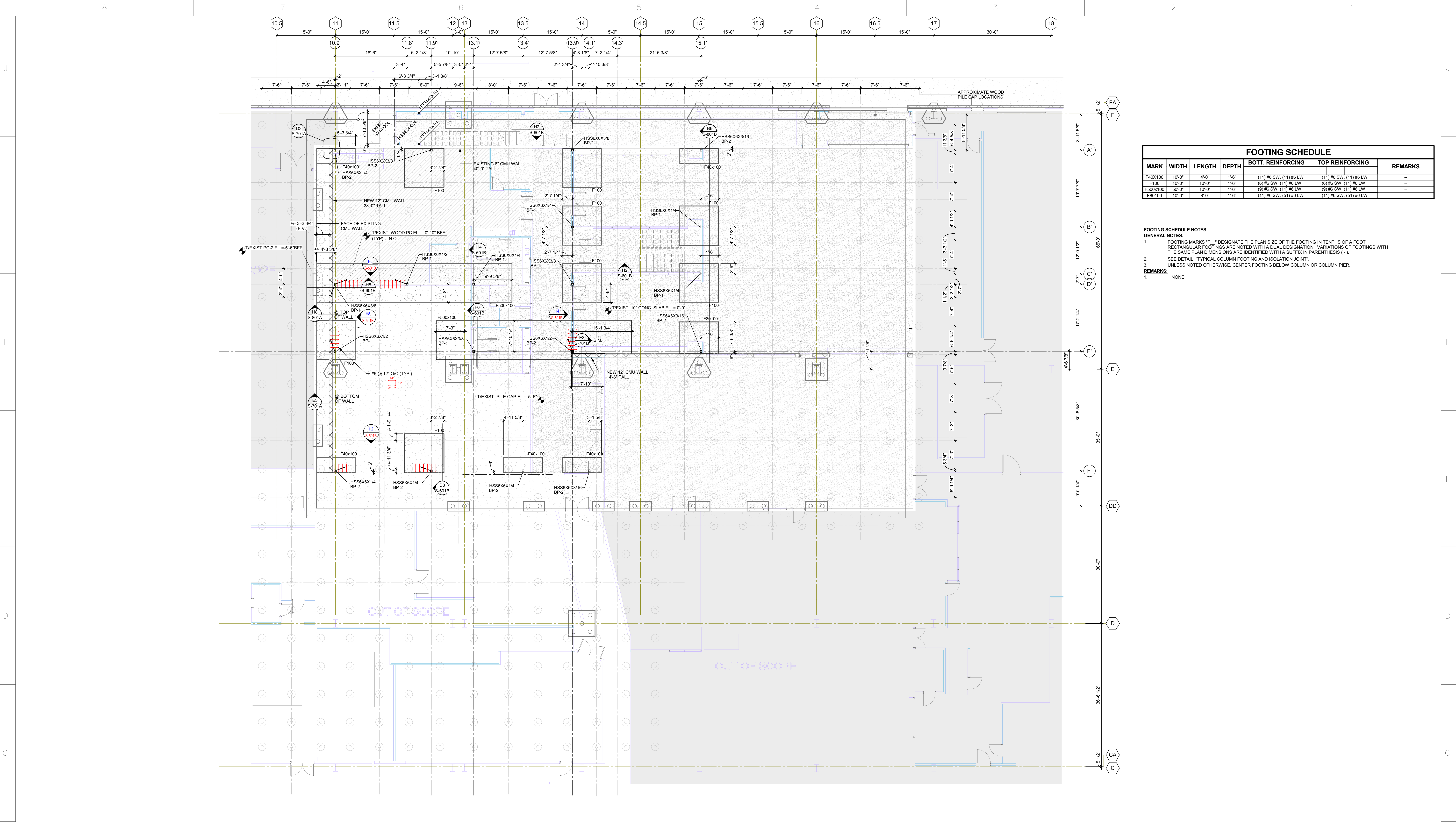
SIGNATURES DATE
DRAWN KAT 09.08.2025
CHECKED AB 09.08.2025
ENGR MS 09.08.2025
ENGR AB 09.08.2025

SCALE: UNLESS OTHERWISE SPECIFIED ALL SURF. 2 PLACE DECIMALS FRACTIONS 3 PLACE DECIMALS ANGLES

REFERENCE DRAWINGS: GE VERNOVA GE Hitachi Nuclear Energy Wilmington, NC

GE VERNOVA-FMO ABBREV. MATERIALS, SYMBOL LEGENDS & GENERAL NOTES S-001B





FOOTING SCHEDULE						
MARK	WIDTH	LENGTH	DEPTH	BOTT. REINFORCING	TOP REINFORCING	REMARKS
F40X100	10'-0"	4'-0"	1'-6"	(11) #6 SW, (11) #6 LW	(11) #6 SW, (11) #6 LW	-
F100	10'-0"	10'-0"	1'-6"	(5) #6 SW, (11) #6 LW	(6) #6 SW, (11) #6 LW	-
F500X100	50'-0"	10'-0"	1'-6"	(5) #6 SW, (11) #6 LW	(9) #6 SW, (11) #6 LW	-
F80100	10'-0"	8'-0"	1'-6"	(11) #6 SW, (51) #6 LW	(11) #6 SW, (51) #6 LW	-

FOOTING SCHEDULE NOTES

GENERAL NOTES:

- FOOTING MARKS "F" DESIGNATE THE PLAN SIZE OF THE FOOTING IN TENTHS OF A FOOT. RECTANGULAR FOOTINGS ARE NOTED WITH A DUAL DESIGNATION. VARIATIONS OF FOOTINGS WITH THE SAME PLAN DIMENSIONS ARE IDENTIFIED WITH A SUFFIX IN PARENTHESES (-).
- SEE DETAIL "TYPICAL COLUMN FOOTING AND ISOLATION JOINT".
- UNLESS NOTED OTHERWISE, CENTER FOOTING BELOW COLUMN OR COLUMN PIER.

REMARKS:

- NONE.

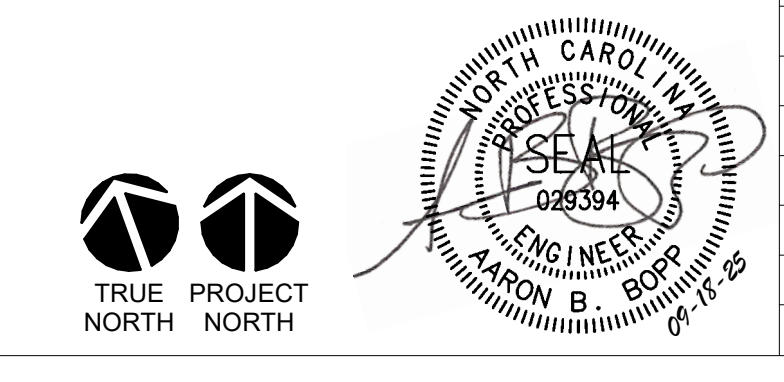
PLAN NOTES:

- SEE ARCHITECTURAL DRAWINGS FOR ALL NEW CMU WALL DIMENSIONS & LOCATIONS.
- SEE SHEET S-0018 FOR GENERAL NOTES, ABBREVIATION, DRAWING LEGENDS AND SHEET INDEX.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO THE EXISTING BUILDING BEFORE FABRICATION AND CONSTRUCTION.
- TOP OF NEW COLUMN FOOTING ELEVATION: 0'-0" BFF.
- SEE H8/S-701B FOR CMU REINFORCING (TYP).
- SHEET SHEET S-701B FOR TYPICAL FOUNDATION DETAILS AND SECTIONS.
- "L" INDICATES MASONRY LINTEL. SEE E5/S-701B FOR LINTEL SCHEDULE.
- "*" INDICATES EXISTING WOOD PILES BELOW SLAB.
- SEE SHEET S-801B FOR TYPICAL ROOF SECTIONS AND DETAILS.
- "F" INDICATES NEW COLUMN FOOTING MARK. SEE THIS SHEET FOR FOOTING SCHEDULE.
- "BP" INDICATES COLUMN BASE PLATE MARK. SEE F4/S-702B FOR BASE PLATE & ANCHOR ROD SCHEDULE.
- LOCATION OF WOOD PILES WHERE TAKEN FROM EXISTING DRAWINGS. FIELD VERIFY LOCATIONS BEFORE INSTALLATION OF FOUNDATIONS.

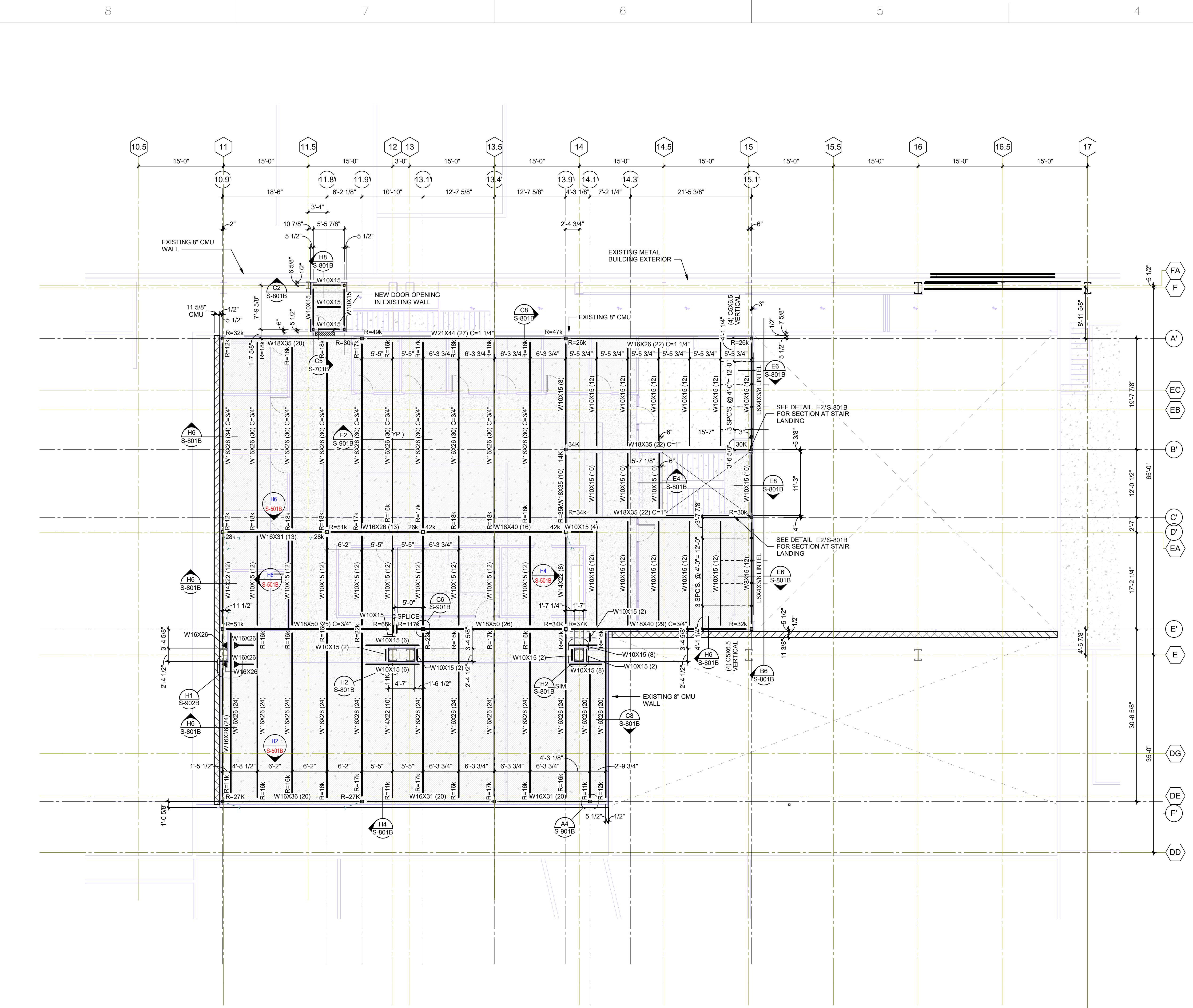
A1
S-101B
FLOOR PLAN - LEVEL 1 PHASE 2
1/8" = 1'-0"



REV	DESCRIPTION	BY	CR#	APPROVAL	DATE
REVISIONS					
	SIGNATURES		DATE		
	DRAWN: KAT		09.08.2025		
	CHECKED: AB		09.08.2025		
	ENGR: MS		09.08.2025		
	ENGR: AB		09.08.2025		
SCALE: *UNLESS OTHERWISE SPECIFIED ALL SURF. 2 PLACE DECIMALS, FRACTIONS. 3 PLACE DECIMALS, ANGLES.					
REFERENCE DRAWINGS				GE VERNOVA GE Hitachi Nuclear Energy Wilmington, NC FLOOR PLAN - LEVEL 1 PHASE 2 S-101B	

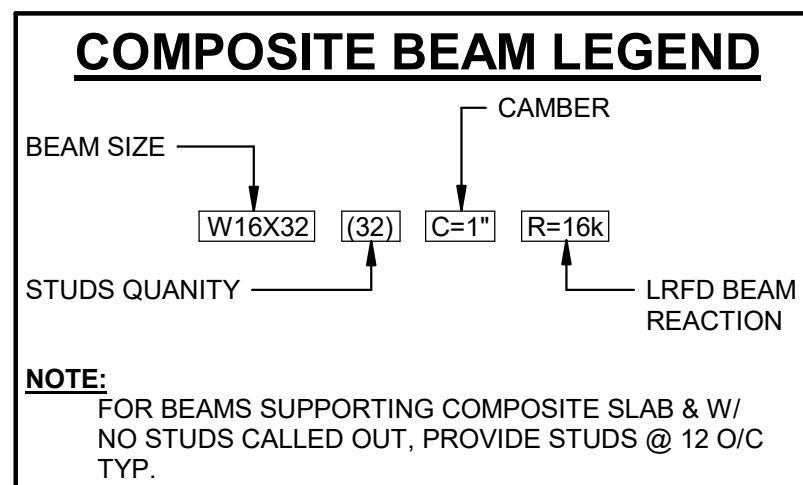


TRUE PROJECT NORTH

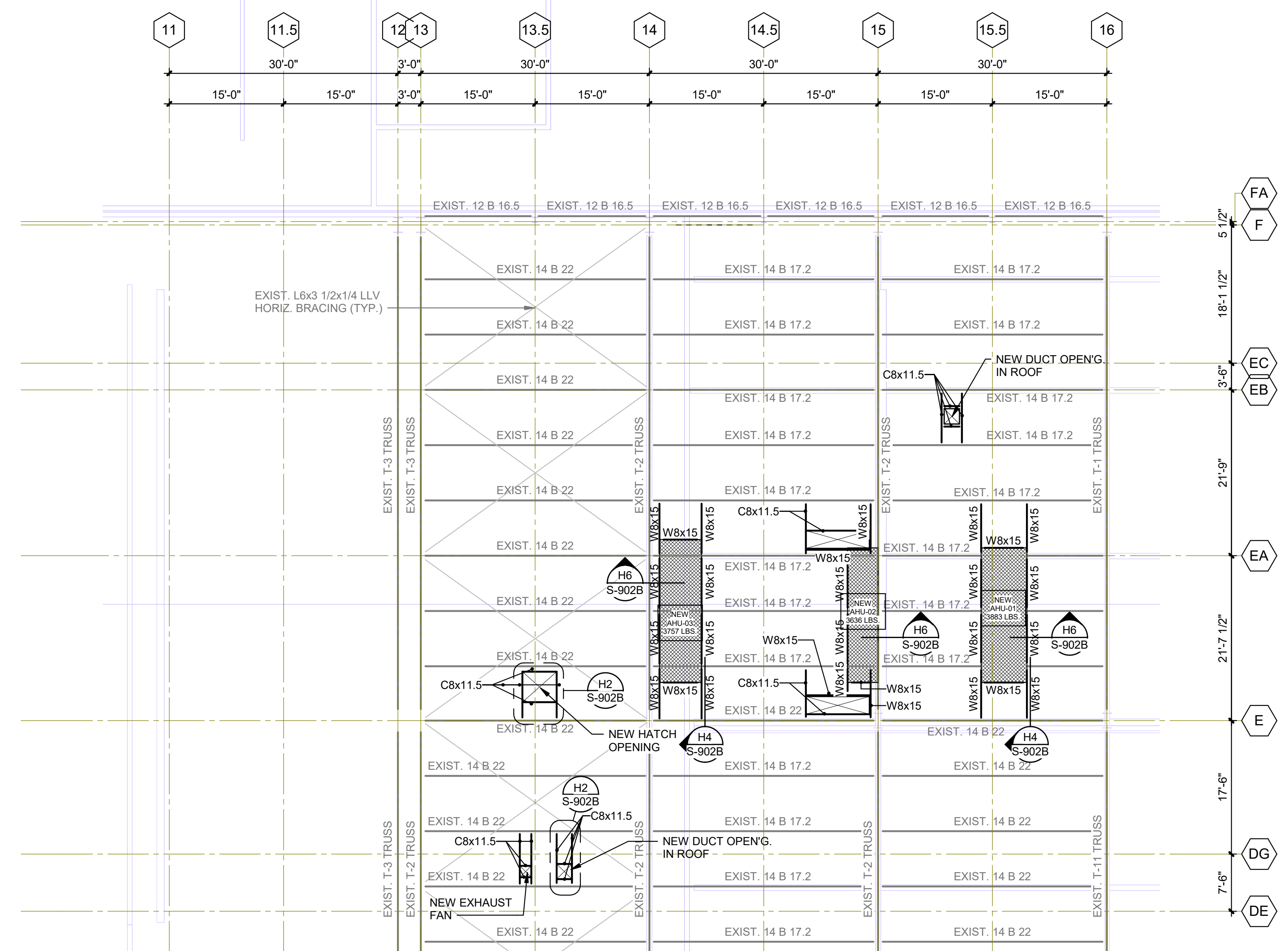


PLAN NOTES:

- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS & LOCATIONS.
- BEAMS EQUALLY SPACED BETWEEN COLUMNS UNLESS NOTED OTHERWISE.
- SEE SHEET S-801B FOR GENERAL NOTES, ABBREVIATION, DRAWING LEGENDS AND SHEET INDEX. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO THE EXISTING BUILDING BEFORE FABRICATING AND CONSTRUCTION.
- SEE SHEET S-801B FOR TYPICAL FRAMING DETAILS AND SECTIONS.
- CONNECTION DESIGN FORCES SHOWN ARE USING ULTIMATE STRENGTH DESIGN. FORCES 10 KIPS OR LESS ARE NOT SHOWN.



C8 SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"



ROOF PLAN NOTES:

- SEE MECHANICAL DRAWINGS FOR NEW AHU LOCATIONS.
- COORDINATE ALL MECHANICAL OPENING SIZE AND LOCATIONS WITH MECHANICAL DRAWINGS.

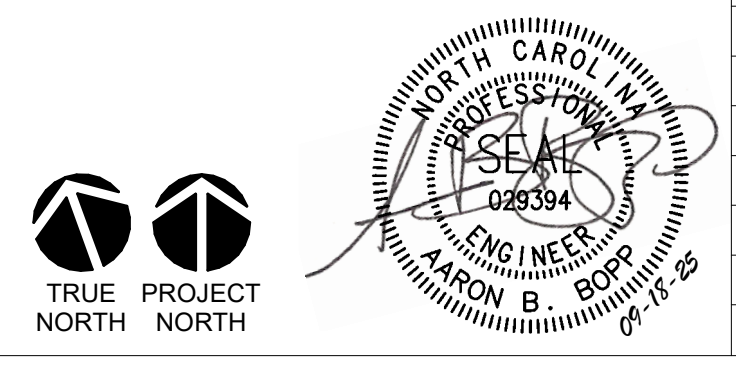
E3 EXISTING ROOF PLAN - Phase 2
3/32" = 1'-0"



REV	DESCRIPTION	BY	CR#	APPROVAL	DATE
REVISIONS					

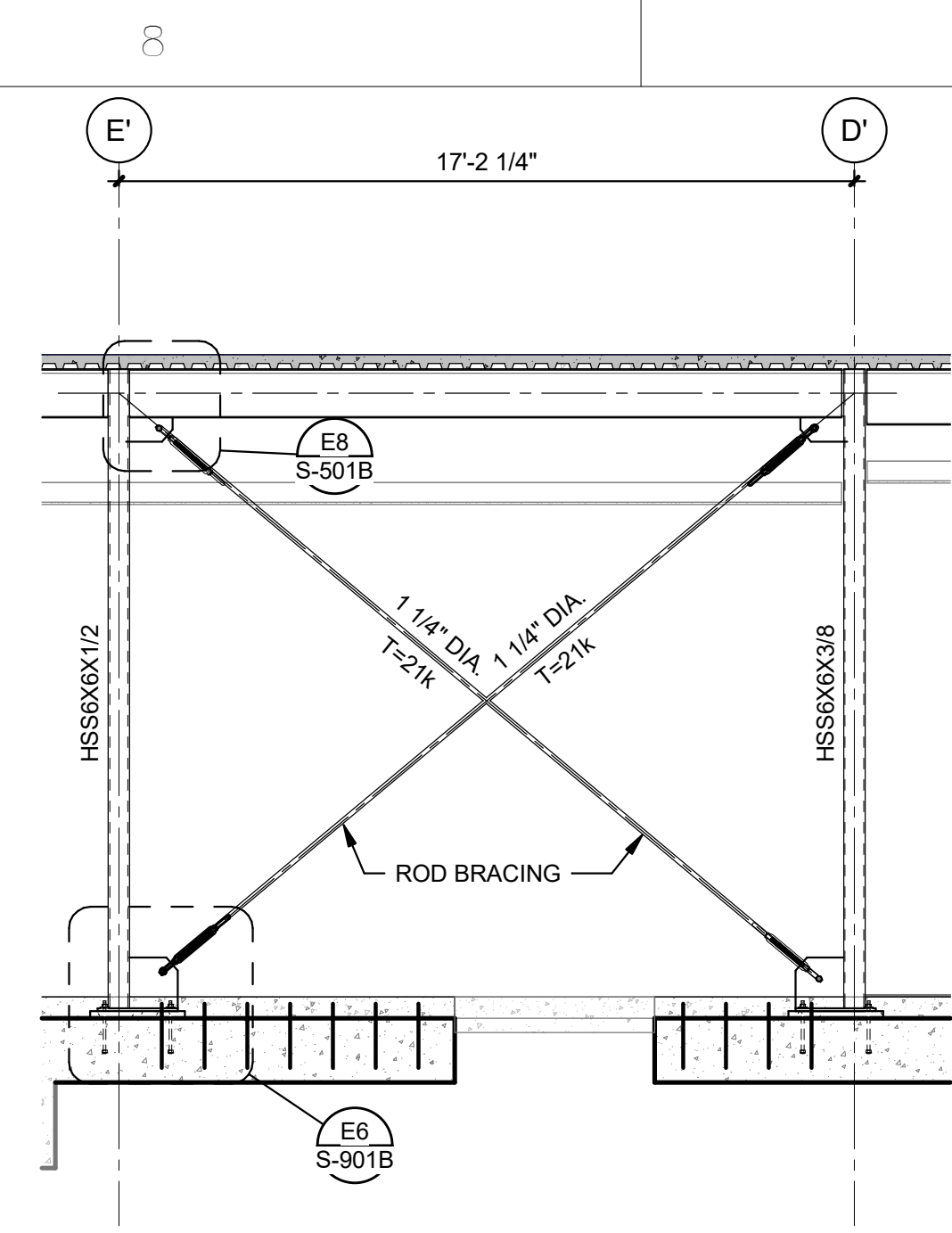
SIGNATURES	DATE

REFERENCE DRAWINGS	DATE

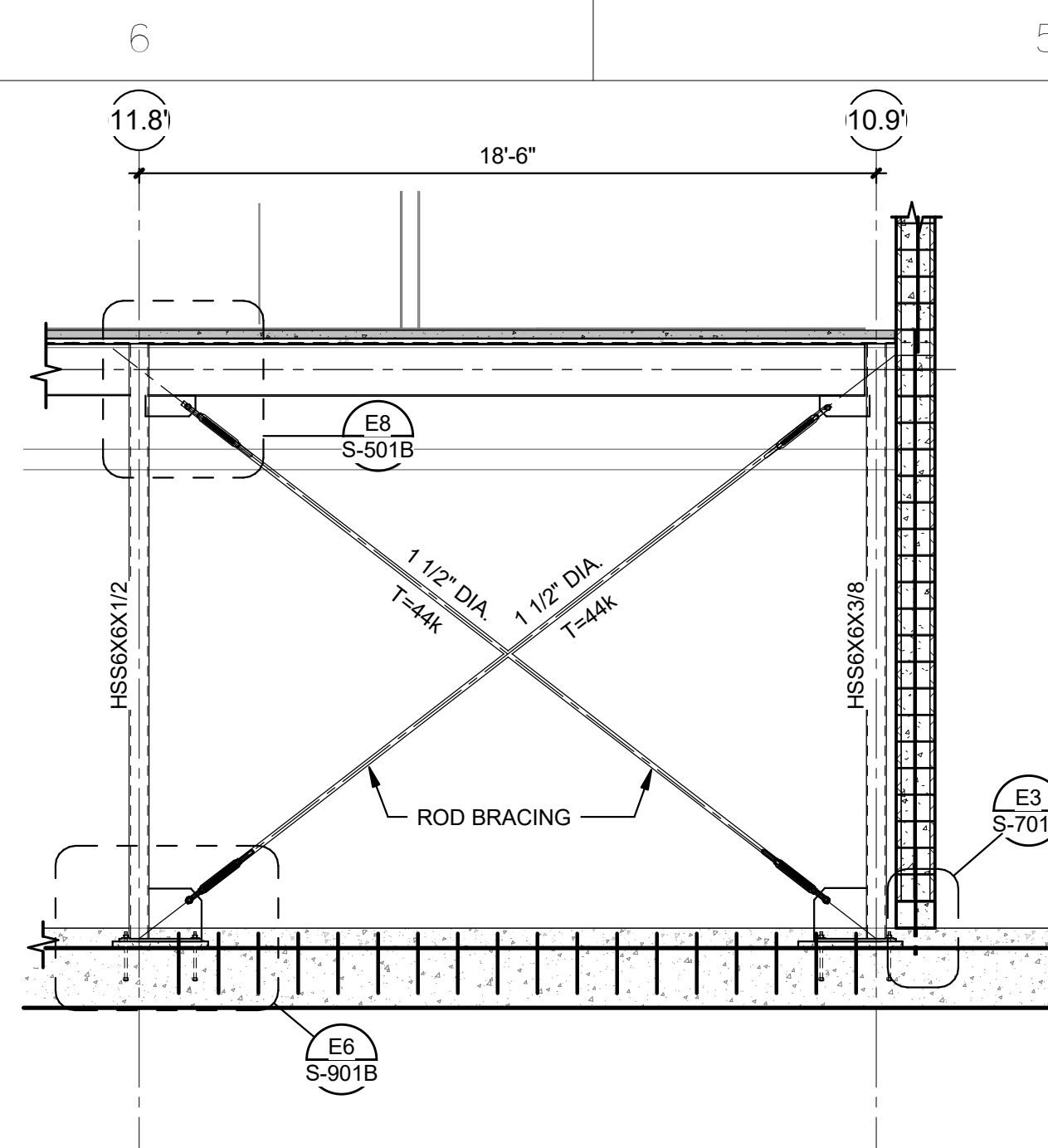


GE VERNOVA-FMO
FRAMING PLAN -
LEVEL 2 PHASE 2
2025.09.18
S-102B

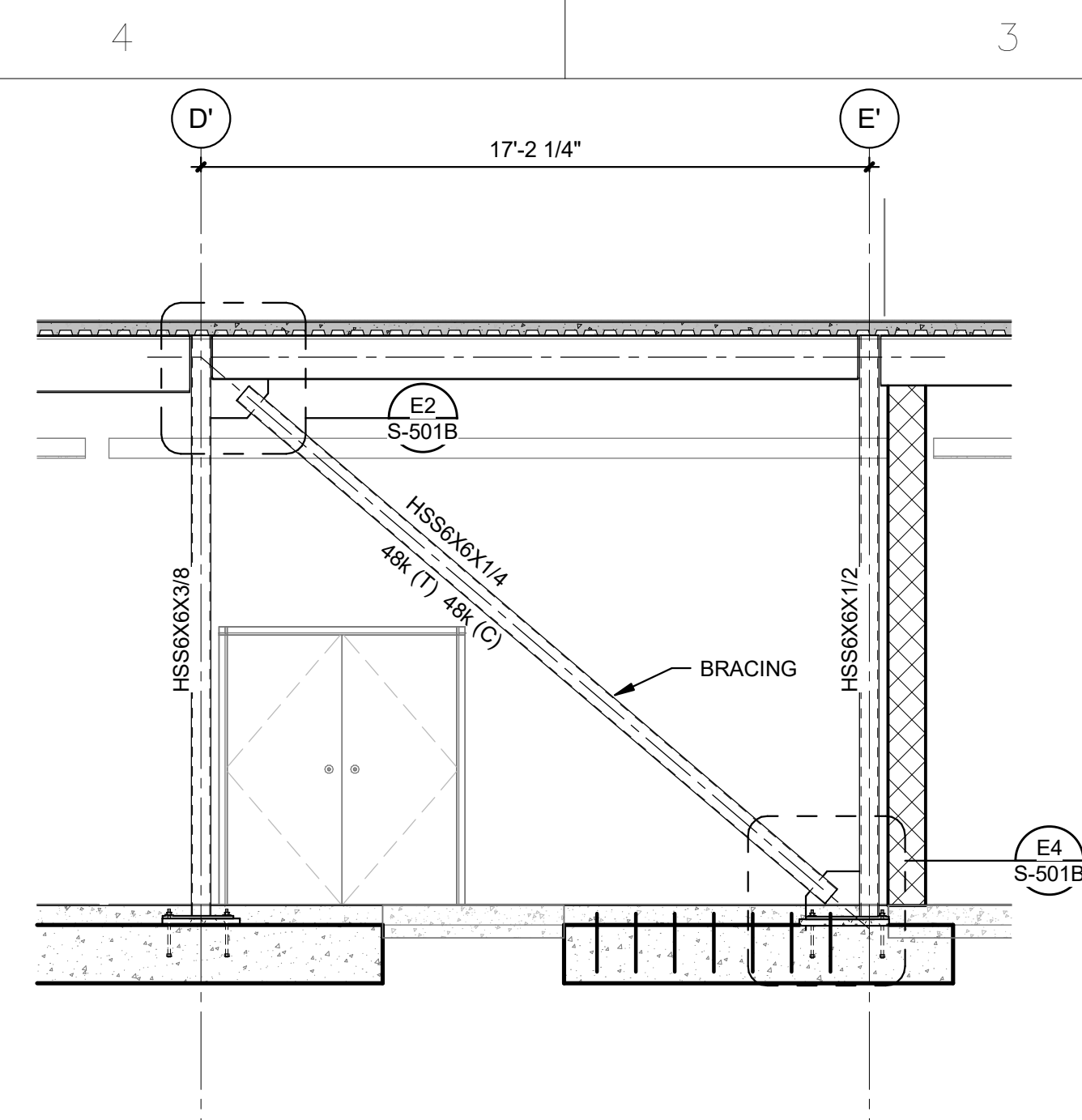
GE Hitachi Nuclear Energy
Wilmington, NC



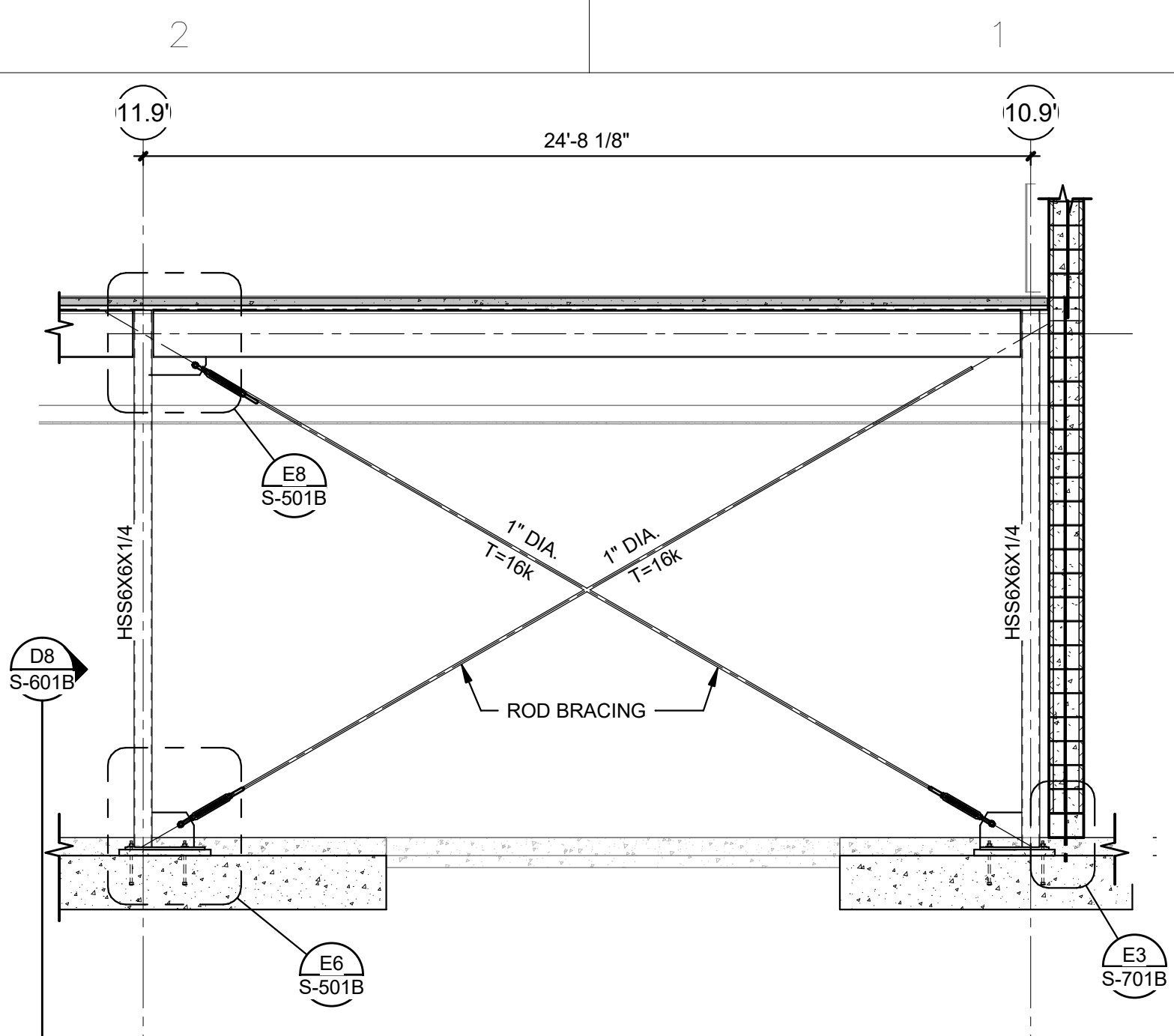
H8
S-501B BRACED FRAME ELEVATION AT GRIDS E' & D'
1/4" = 1'-0"



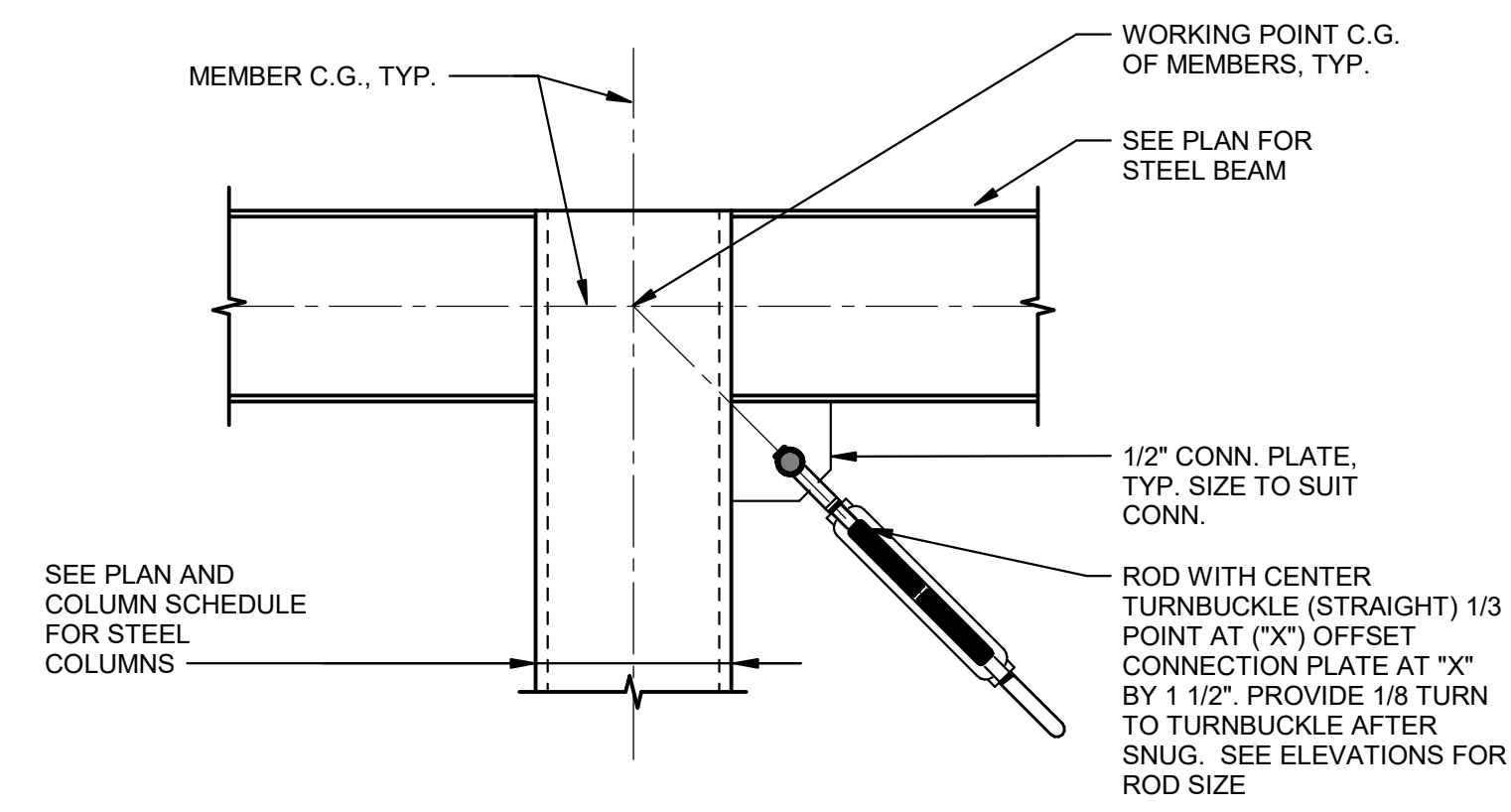
H6
S-501B BRACED FRAME ELEVATION AT GRIDS 11.8' & 10.9'
1/4" = 1'-0"



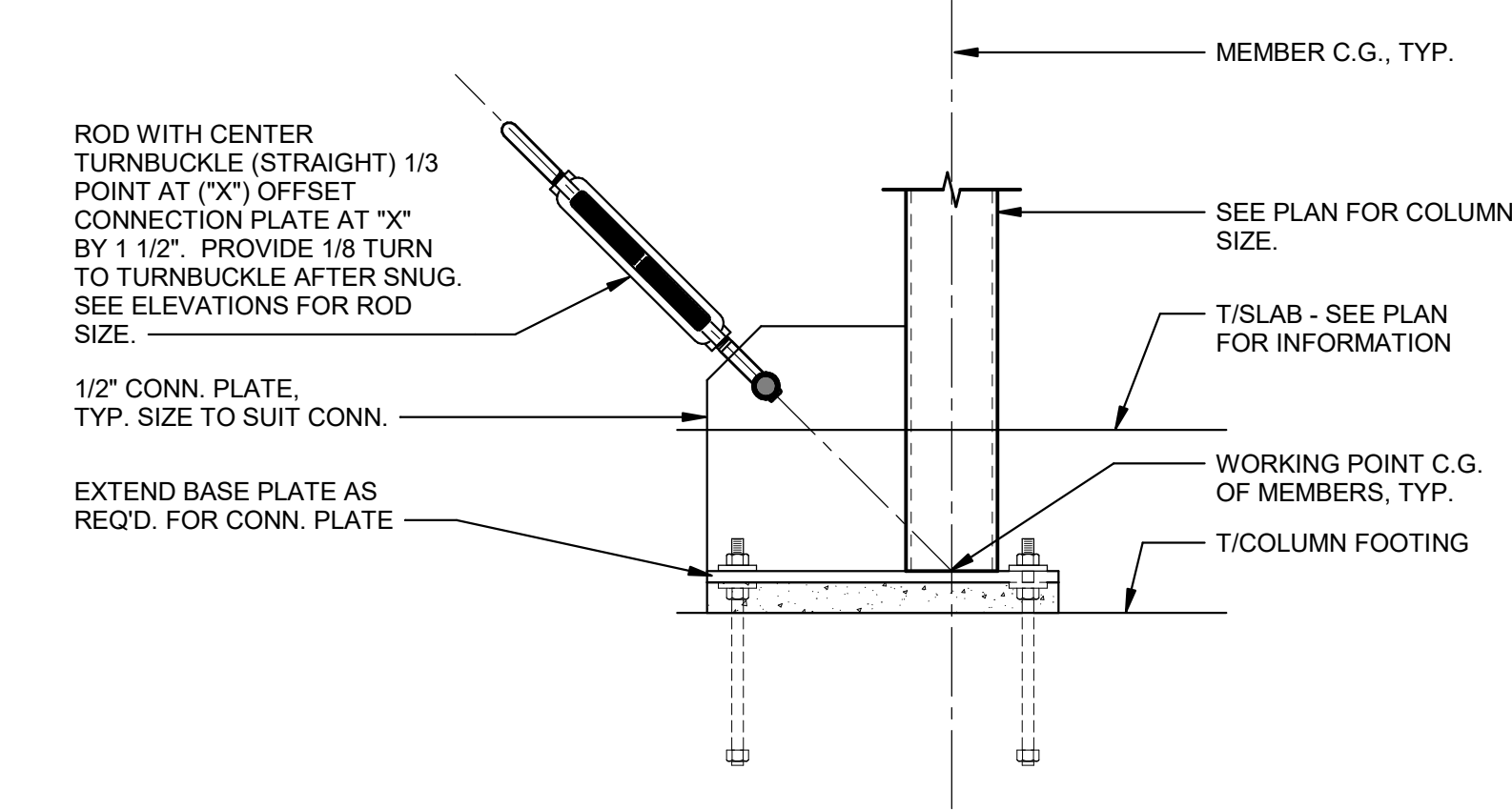
H4
S-501B BRACED FRAME ELEVATION AT GRIDS D' & E'
1/4" = 1'-0"



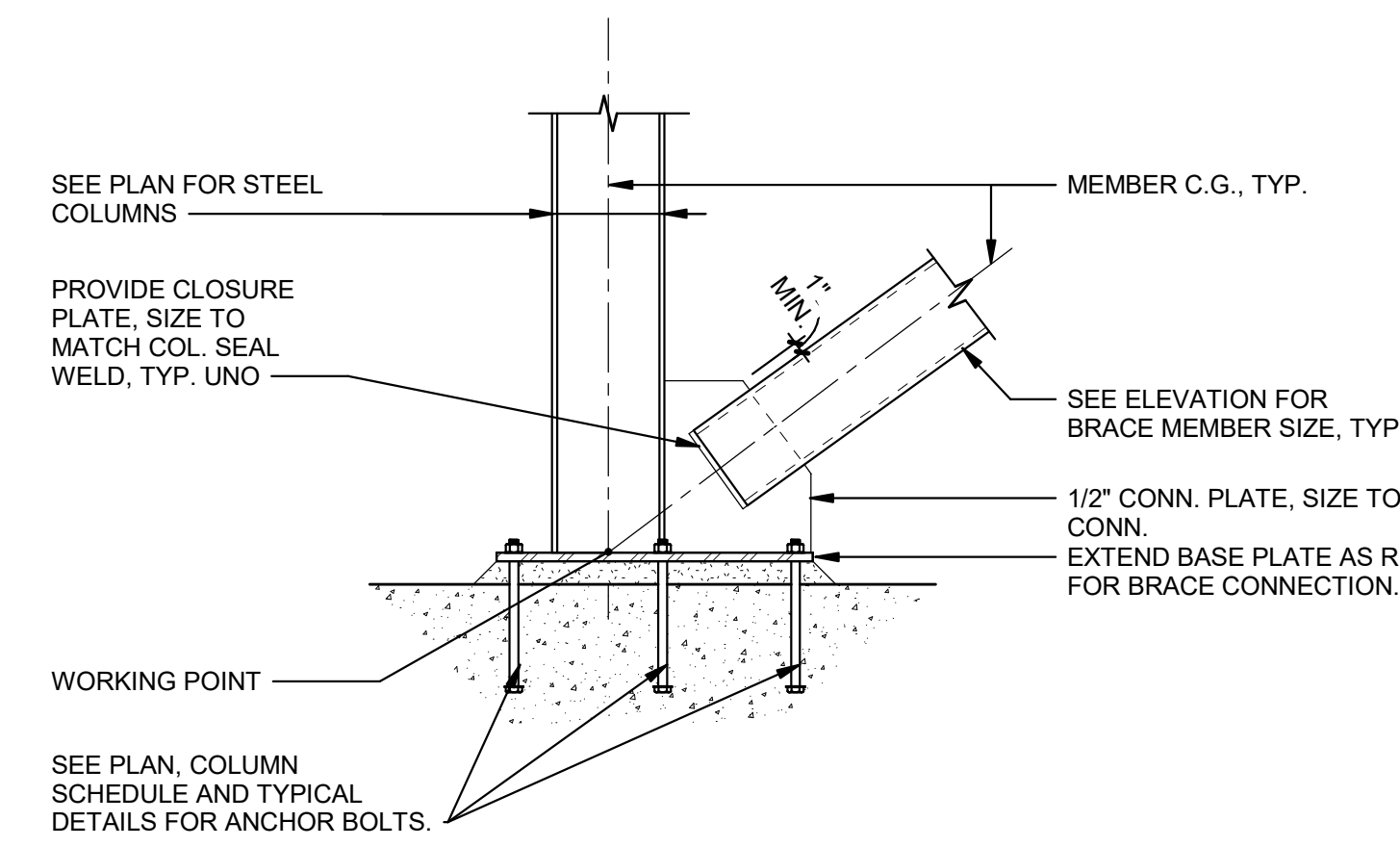
H2
S-501B BRACED FRAME ELEVATION AT GRIDS 11.9' & 10.9'
1/4" = 1'-0"



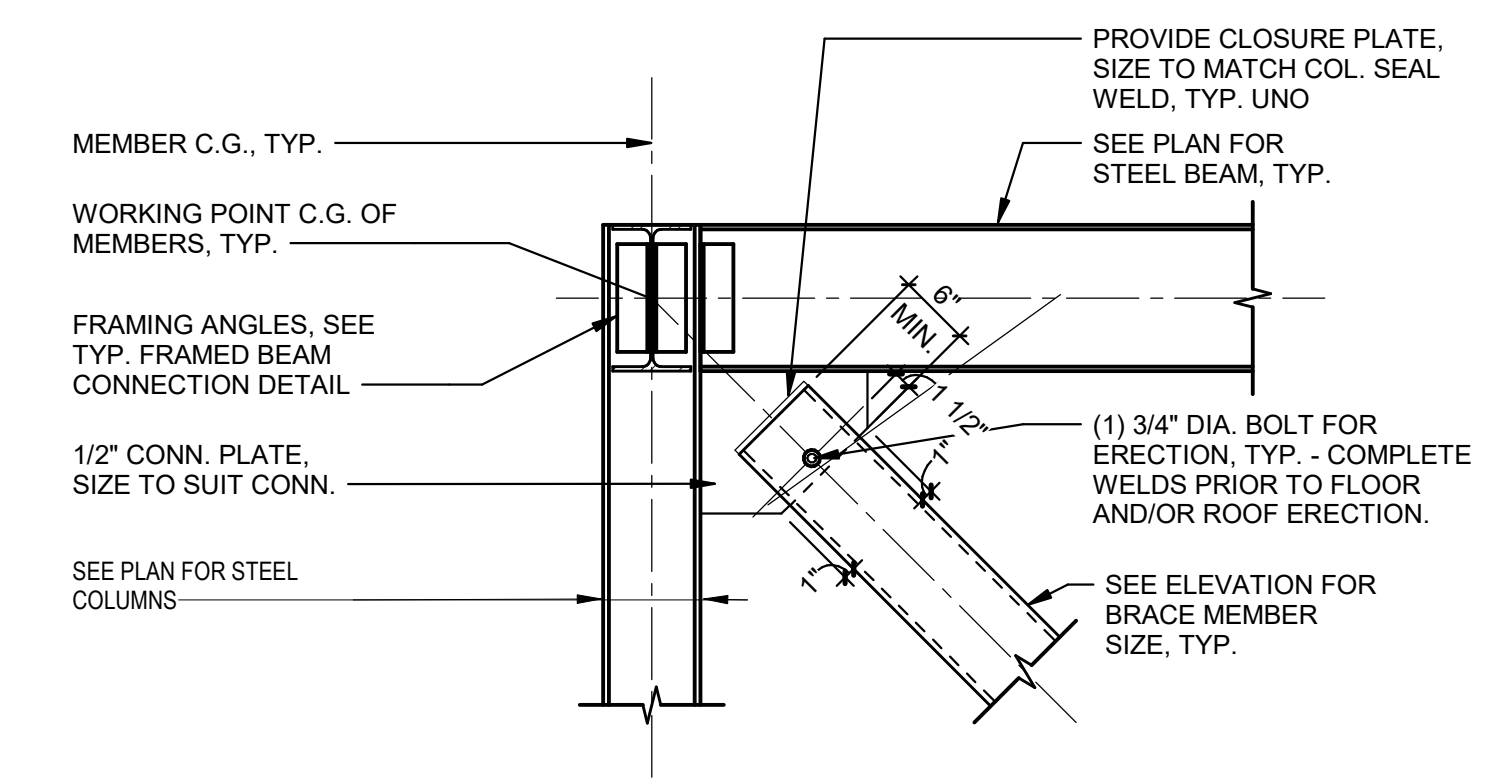
E8
S-501B TYPICAL ROD BRACING DETAIL
1" = 1'-0"



E6
S-501B COLUMN BRACE AT BASE PLAN
1" = 1'-0"



E4
S-501B HSS BRACE CONNECTION DETAIL
3/4" = 1'-0"



E2
S-501B HSS BRACE CONNECTION DETAIL
3/4" = 1'-0"

VERTICAL BRACE NOTES

- THESE NOTES APPLY TO THE FABRICATION AND ERECTION OF ALL THE STEEL BRACING MEMBERS SHOWN ON THE STRUCTURAL FRAMING PLANS EXCEPT AS NOTED OTHERWISE ON THE BRACED FRAME ELEVATIONS AND DETAILS.
- THE ERECTOR SHALL BE RESPONSIBLE FOR ERECTION PROCEDURES AND ALL TEMPORARY BRACING AND SHORING NEEDED DURING ERECTION AND UNTIL ALL OTHER ROOF STRUCTURE AND BRACING ARE IN PLACE AND CONNECTED.
- FORCES SHOWN ON THE BRACE MEMBERS ARE IDENTIFIED AND DEFINED AS FOLLOWS:
 - T = TENSION
 - C = COMPRESSION
 - F = FORCE (TENSION OR COMPRESSION)
 - K = KIP (1000 LBS.)
- ALL BRACE MEMBERS SHALL BE FABRICATED SO THAT THE CENTROID OF EVERY MEMBER AT EACH JOINT INTERSECTS AT A COMMON POINT.
- PROVIDE GUSSET PLATES (MIN. 1/2") AS REQUIRED TO DEVELOP THE REQUIRED MEMBER CONNECTION FORCE. ALL PLATES SHALL BE SHOP WELDED TO THE MAIN FRAMING MEMBERS WITH FULL PENETRATION WELDS WITH 45 DEGREE BEVELS ON EACH SIDE. PLATES SHALL BE STIFFENED AS REQUIRED FOR GIVEN COMPRESSIVE FORCES.
- TUBE OR PIPE BRACES SHALL BE CONNECTED TO GUSSET PLATES BY SAWCUT SLOTTING ON THE MEMBER CENTERLINE. PROVIDE HOLES IN GUSSETS AND BRACE MEMBERS ON BRACE CENTERLINE FOR ERECTION BOLTING AND PROPER CENTERING AND ALIGNMENT FOR WELDING. WELD BRACES TO GUSSETS WITH FILLET WELDS EQUAL TO THE THICKNESS OF THE BASE METAL. WELDS SHALL BE PLACED ON ALL SURFACES AND SHALL EXTEND FOR THE FULL LENGTH OF THE LAP WITH THE GUSSET PLATE.
- SLEEVE NUTS, TURNBUCKLES, AND CLEVISSES ON ROD BRACES SHALL BE SIZED TO DEVELOP THE REQUIRED BRACE FORCE. USE 1.1 SAFETY FACTOR FOR CLEVISSES. MINIMUM THREAD ENGAGEMENT OF ROD IN SLEEVE NUTS SHALL BE FIELD VERIFIED. PROVIDE PAINT MARK ON TREADED ENDS OF RODS AT POINT OF MINIMUM SLEEVE NUT ENGAGEMENT.
- AFTER STEEL FRAMING IS PROPERLY ALIGNED, TIGHTEN ROD BRACES TO HAVE EQUAL TENSION AND TO REMOVE ALL SAG. RODS SHOULD BE IN FIRM CONTACT AT INTERSECTION AFTER TIGHTENING.

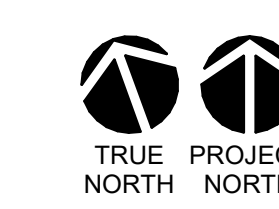
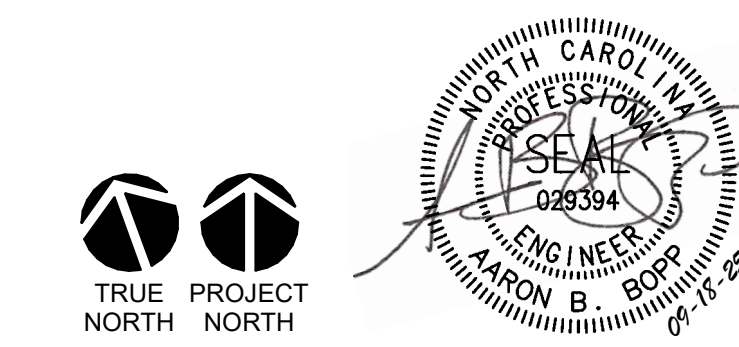


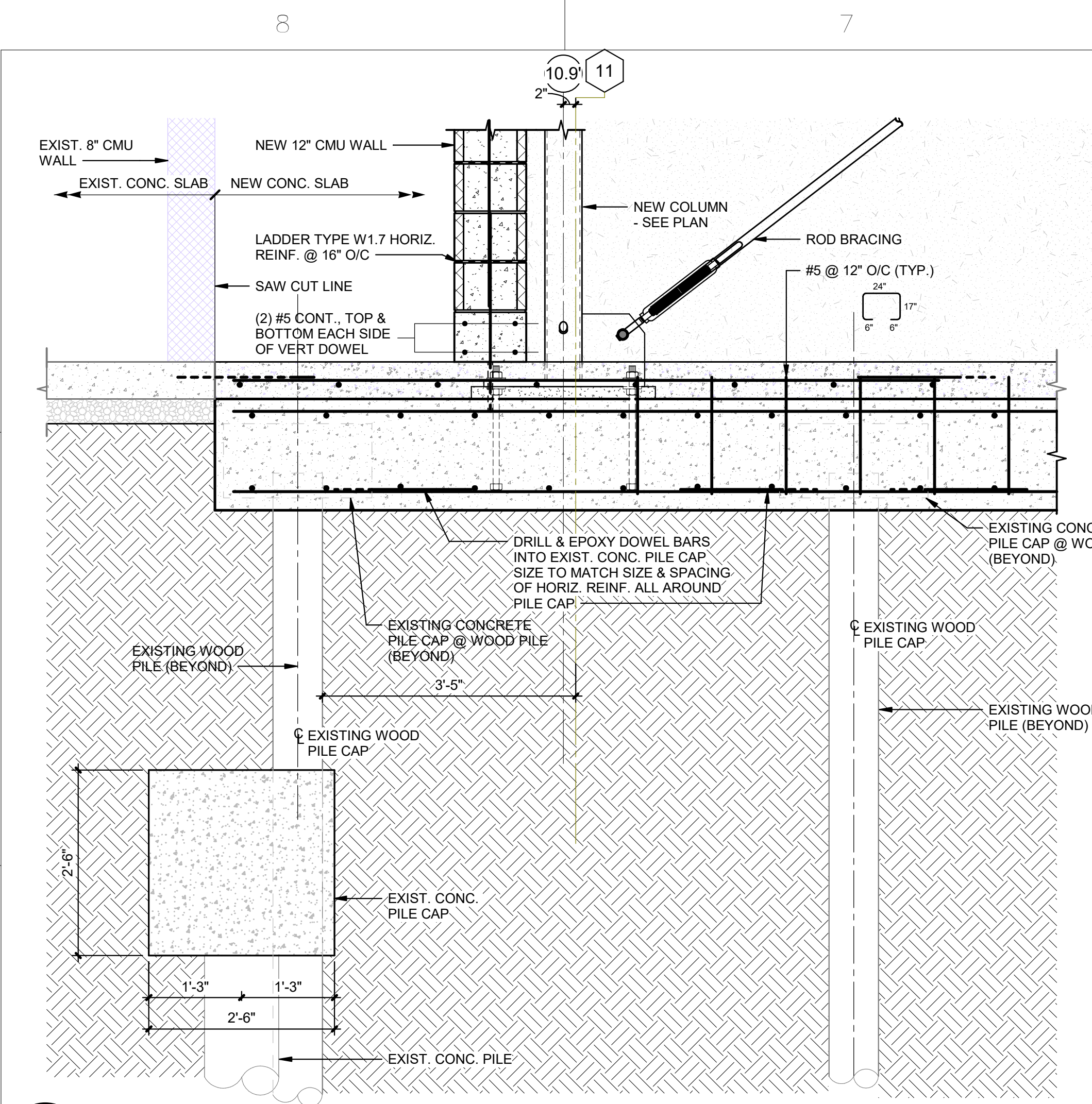
REV	DESCRIPTION	BY	CR#	APPROVAL	DATE
REVISIONS					
SIGNATURES		DATE			
DRAWN	KAT	09.08.2025			
CHECKED	AB	09.08.2025			
ENGR	MS	09.08.2025			
ENGR	AB	09.08.2025			
SCALE		ALL SURF. ✓			
*UNLESS OTHERWISE SPECIFIED		FRACTIONS			
2	PLACE DECIMALS	±			
3	PLACE DECIMALS	ANGLES			
		±			

GE VERNOVA-FMO
BRACED FRAME ELEVATIONS AND DETAILS
S-501B

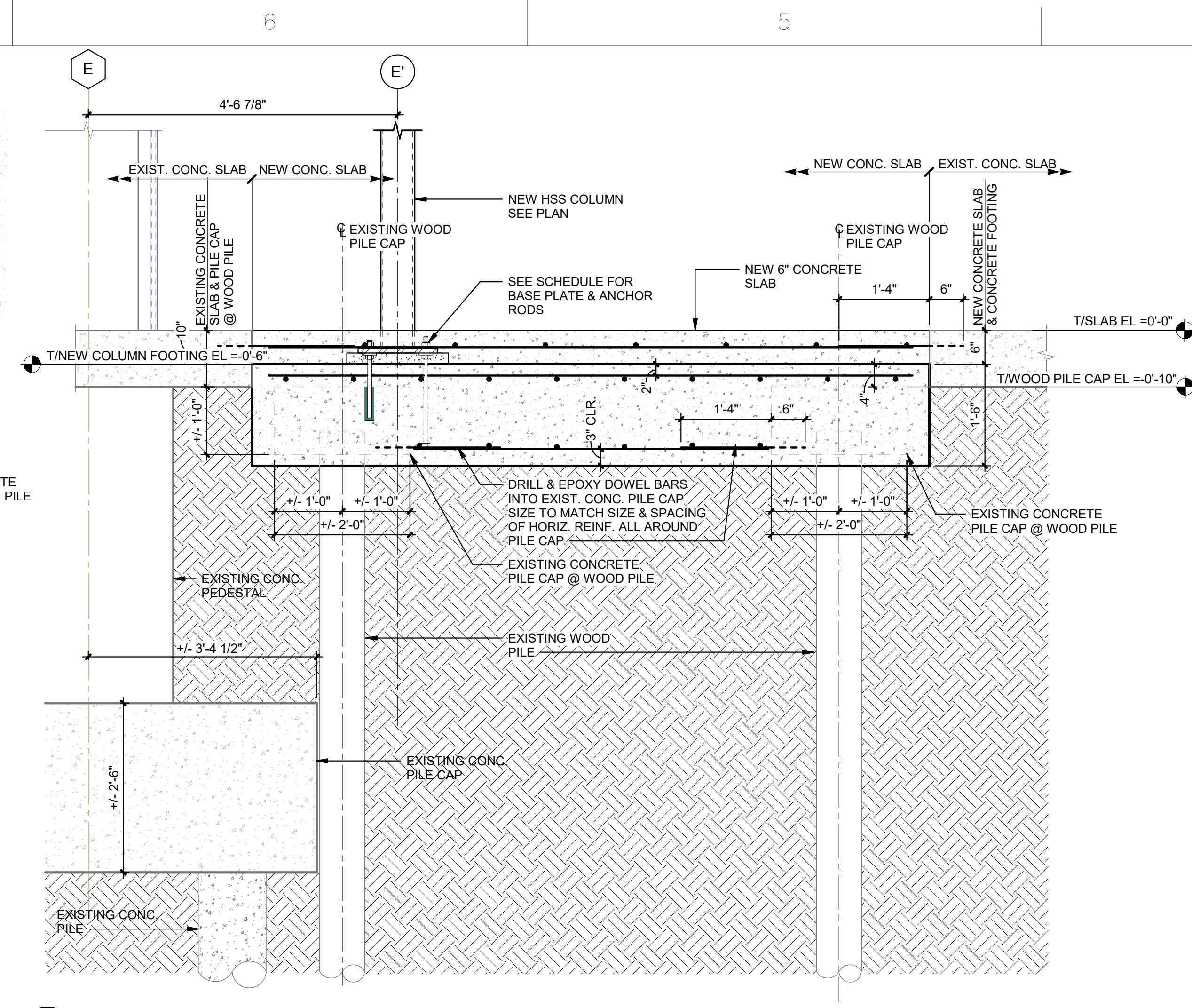
GE VERNOVA GE Hitachi Nuclear Energy
 Wilmington, NC

2025.09.18
 11:32 AM

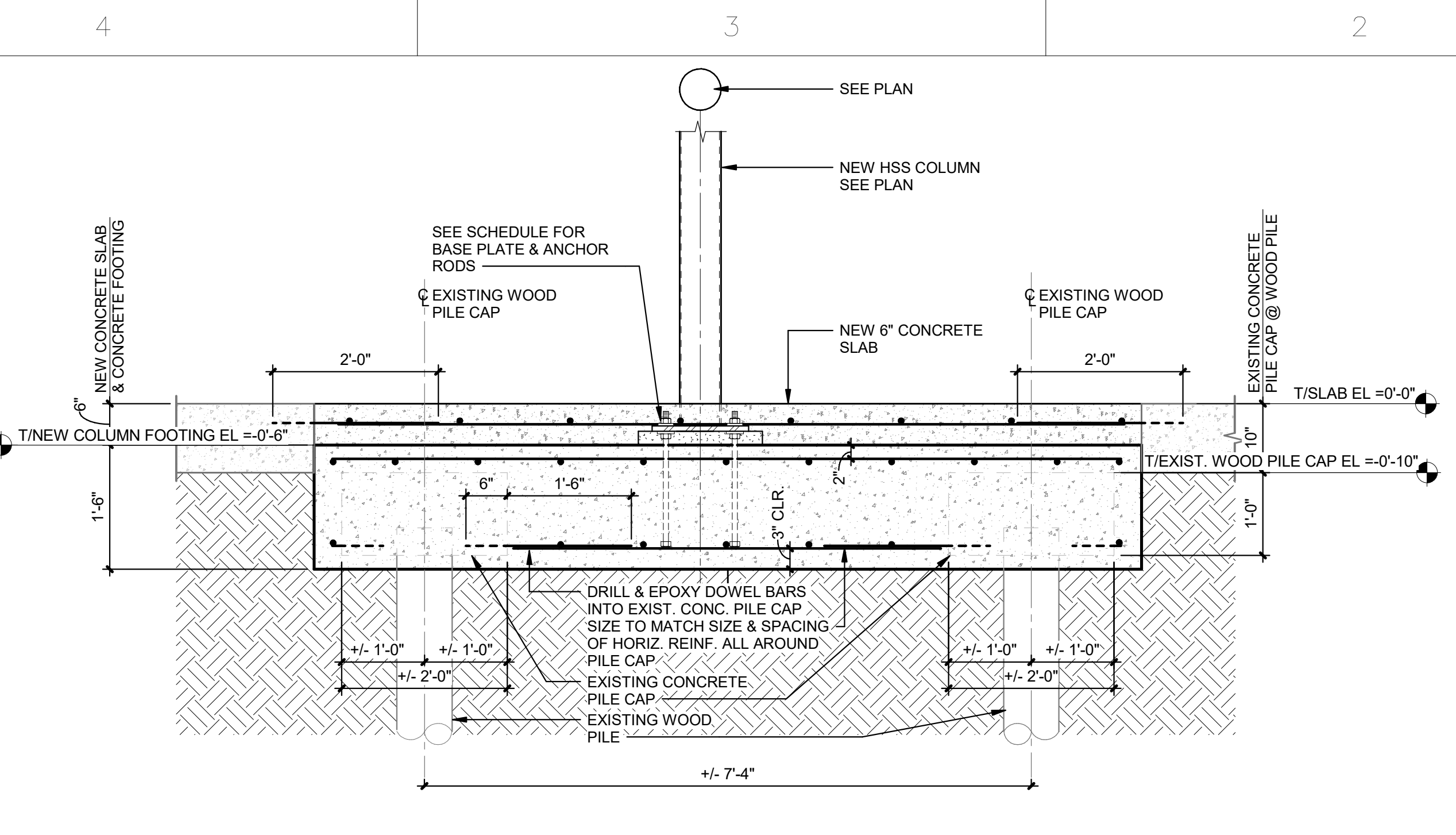




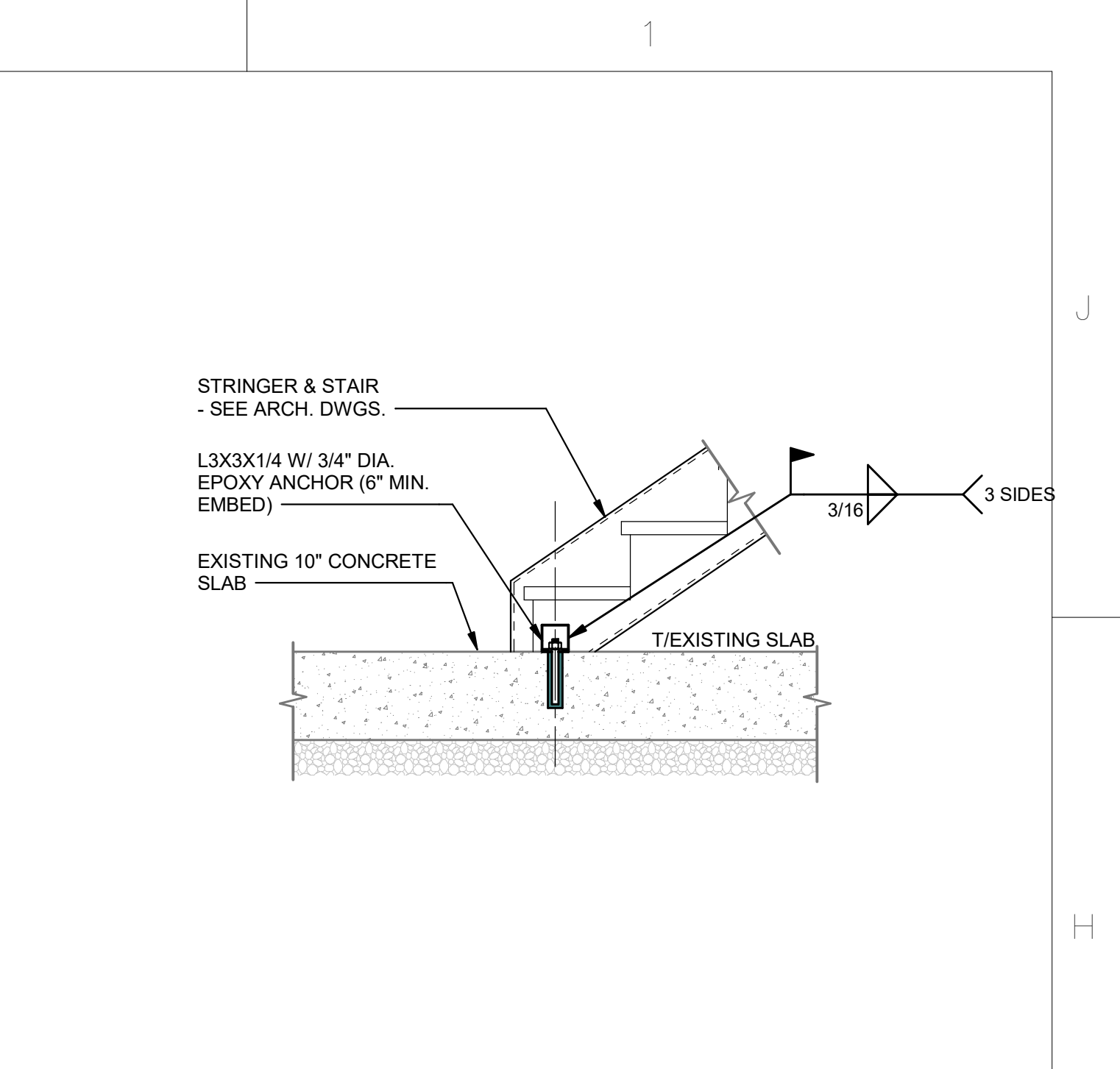
H8 SECTION
S-601B 3/4" = 1'-0"



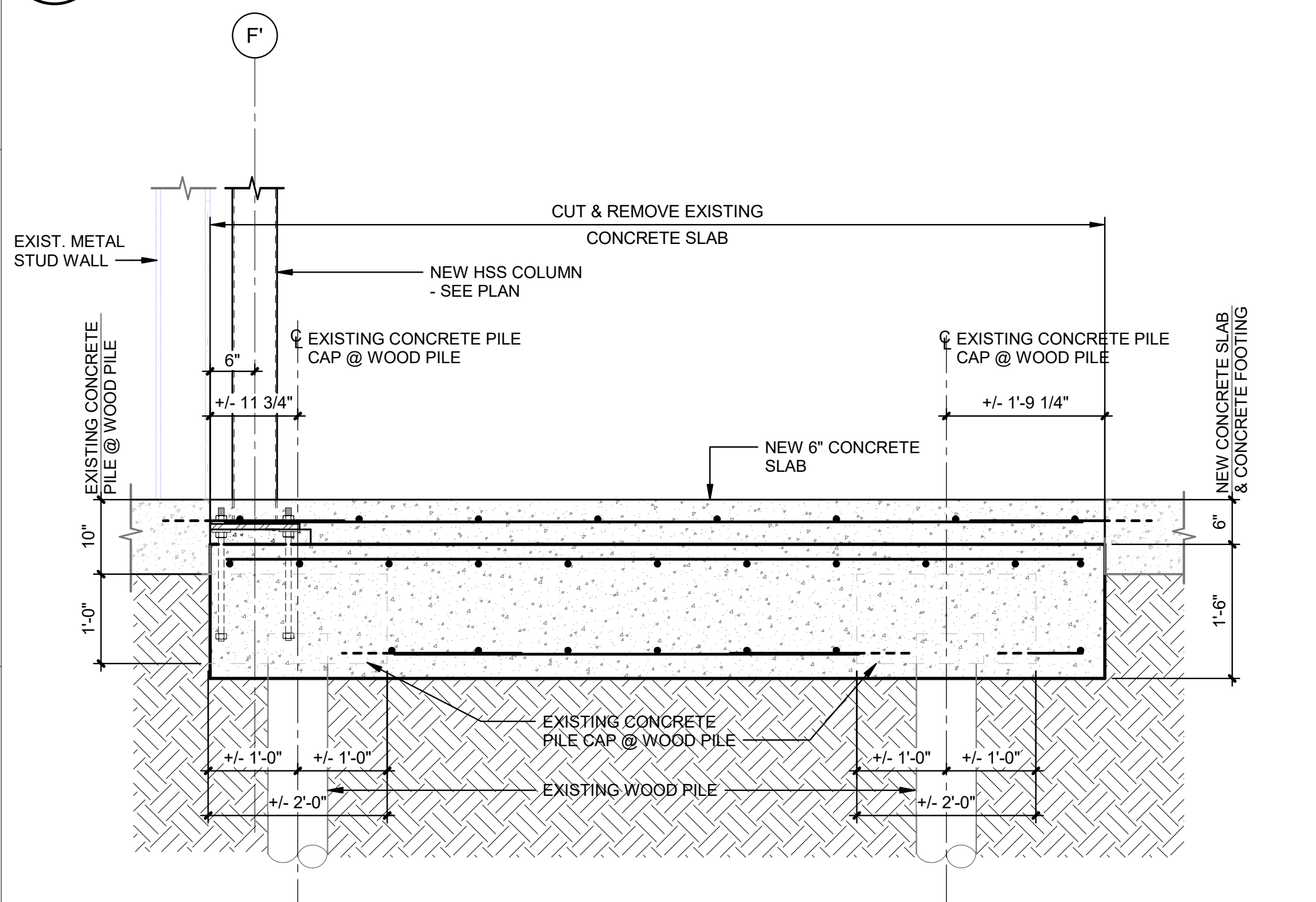
F6 SECTION
S-601B 3/4" = 1'-0"



H4 SECTION
S-601B 3/4" = 1'-0"



H2 SECTION AT STAIR STRINGER TO SLAB-ON-GRADE
S-601B 3/4" = 1'-0"

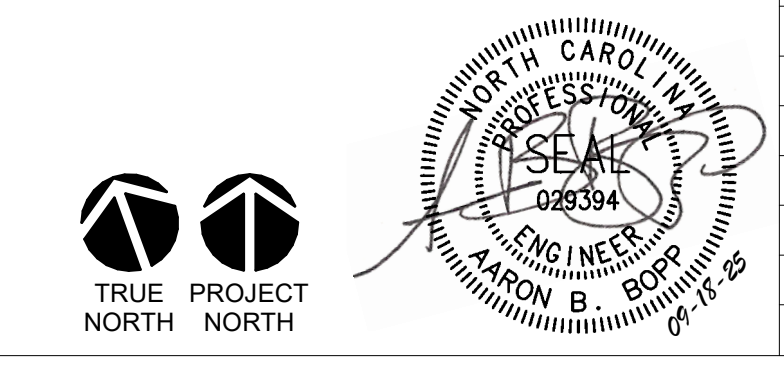


D8 SECTION
S-601B 3/4" = 1'-0"



REV	DESCRIPTION	BY	CR#	APPROVAL	DATE
REVISIONS					
SIGNATURES		DATE			
DRAWN	KAT	09.08.2025			
CHECKED	AB	09.08.2025			
ENGR	MS	09.08.2025			
ENGR	AB	09.08.2025			
SCALE		ALL SURF. ±			
*UNLESS OTHERWISE SPECIFIED		FRACTIONS $\frac{\quad}{\quad}$			
2 PLACE DECIMALS ±		ANGLES \pm			
3 PLACE DECIMALS ±					

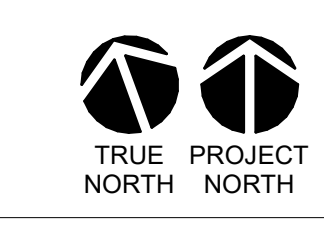
REFERENCE DRAWINGS	DATE
DRAWN	KAT
CHECKED	AB
ENGR	MS
ENGR	AB

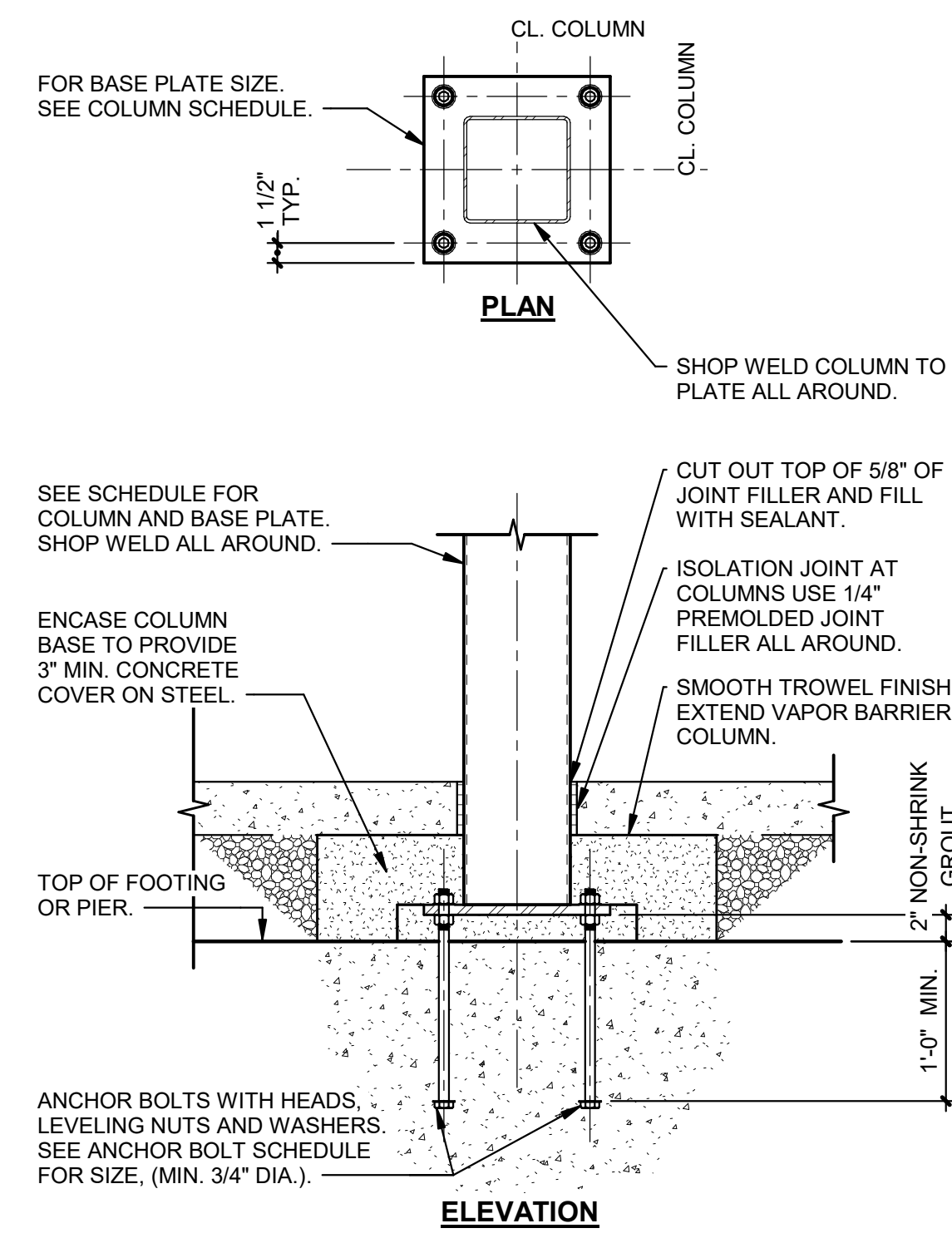


GE VERNOVA GE Hitachi Nuclear Energy
Wilmington, NC

GE VERNOVA-FMO
FOUNDATION SECTIONS

S-601B

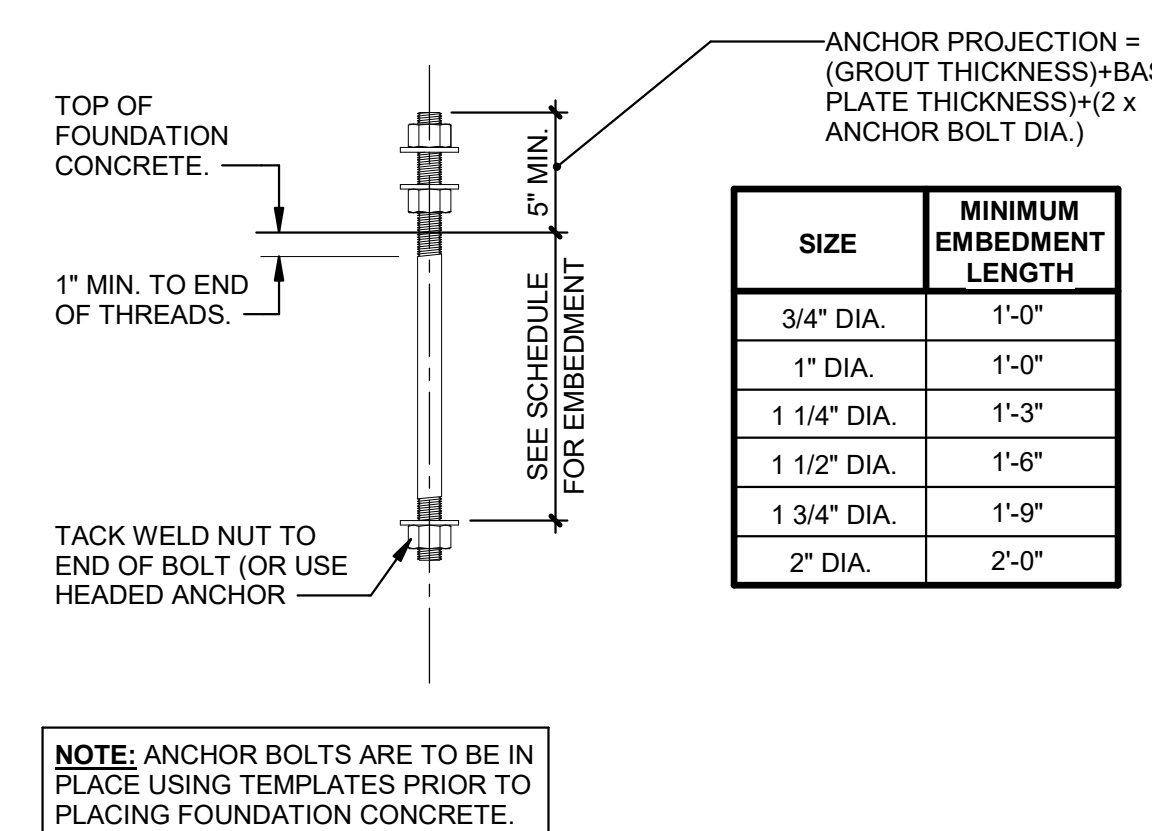




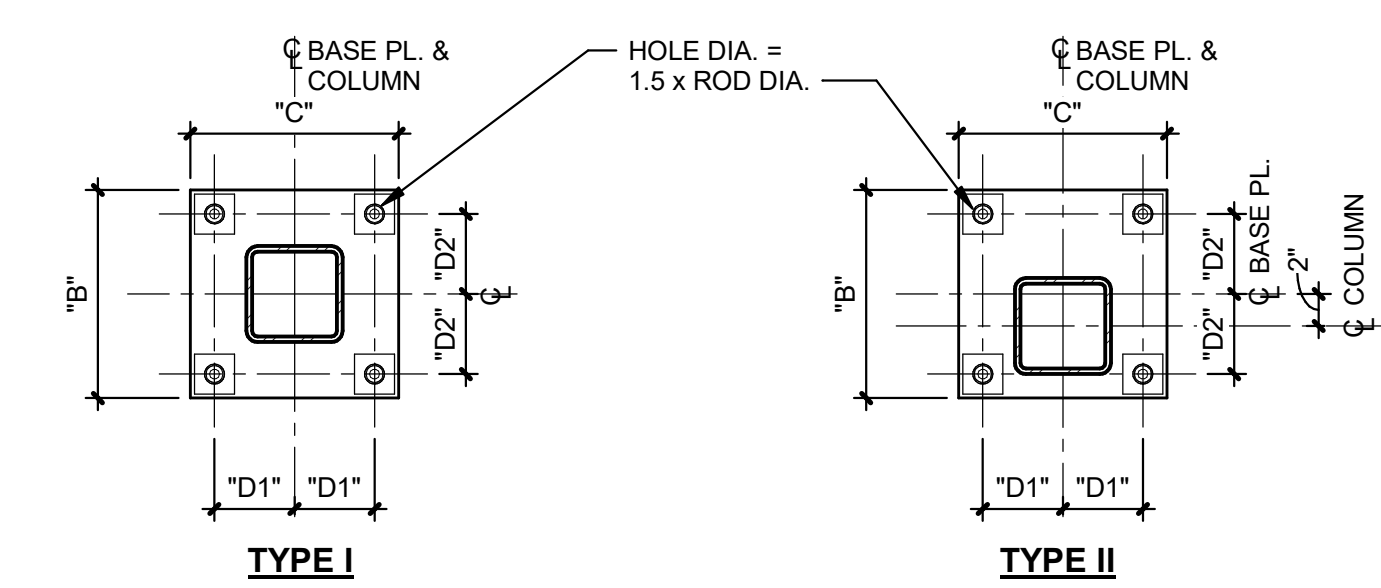
NOTE:

- NON-SHRINK GROUT BENEATH PLATES TO BE AS SPECIFIED. PLACE BY POURING TO A WOOD FORM 2" CLEAR FROM EDGES OF BASE PLATE (ALL SIDES). POUR A FLOWABLE MIX TO THE FORM AND UP TO THE TOP OF THE BASE PLATE. TAP TOP OF PLATE TO ELIMINATE TRAPPED AIR IN THE GROUT.
- ALL STEEL BELOW GRADE SHALL BE COATED WITH ASPHALTIC PAINT PRIOR TO COVERING WITH CONCRETE.

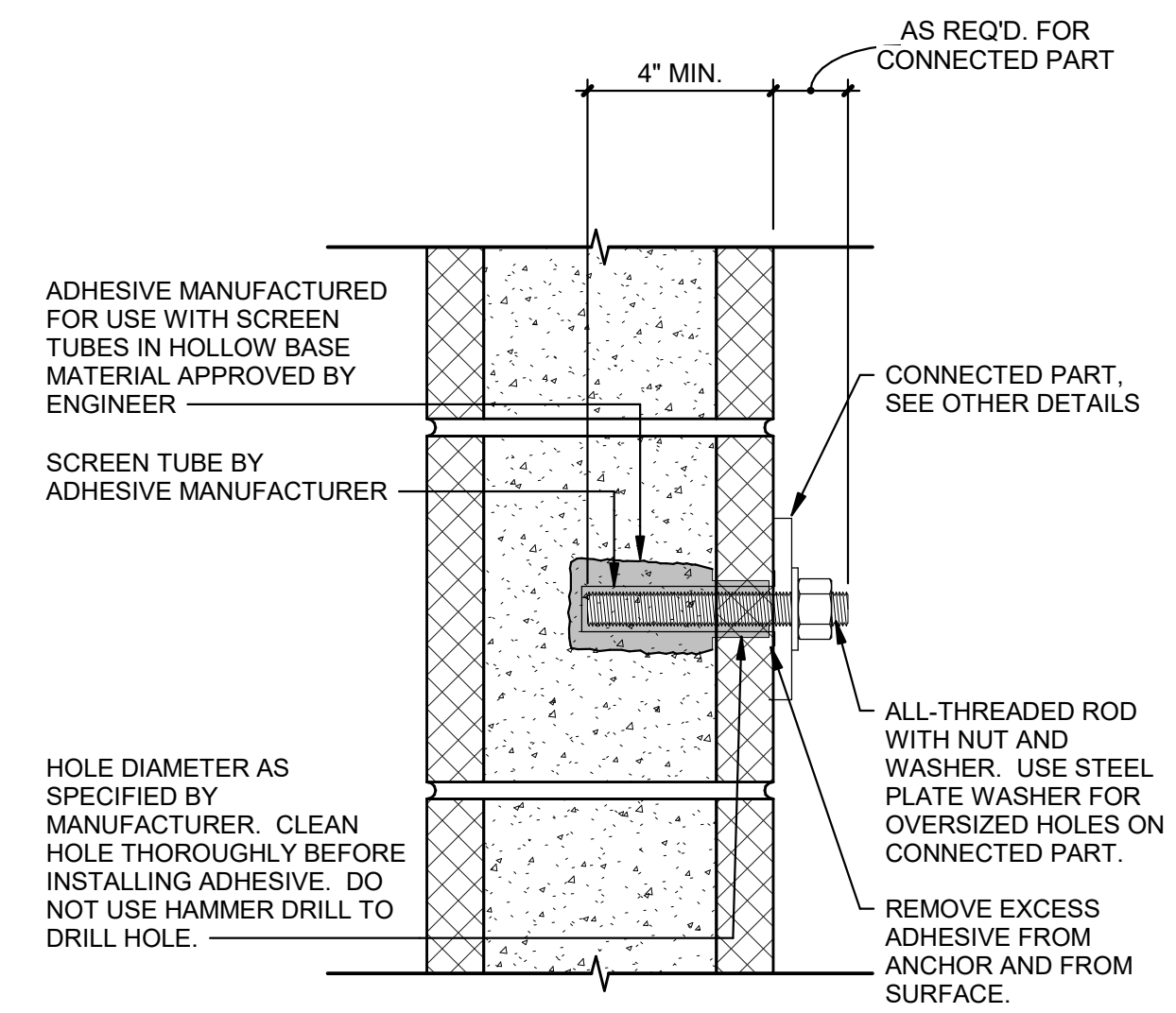
H6 ANCHOR RODS
1 1/2" = 1'-0"



BASE PLATE MARK	TYPE	BASE PLATE			ANCHOR BOLTS	
		THICKNESS	B	C	No.	DIA.
BP-1	I	1"	12"	12"	4	3/4"
BP-2	II	1"	12"	12"	6	3/4"

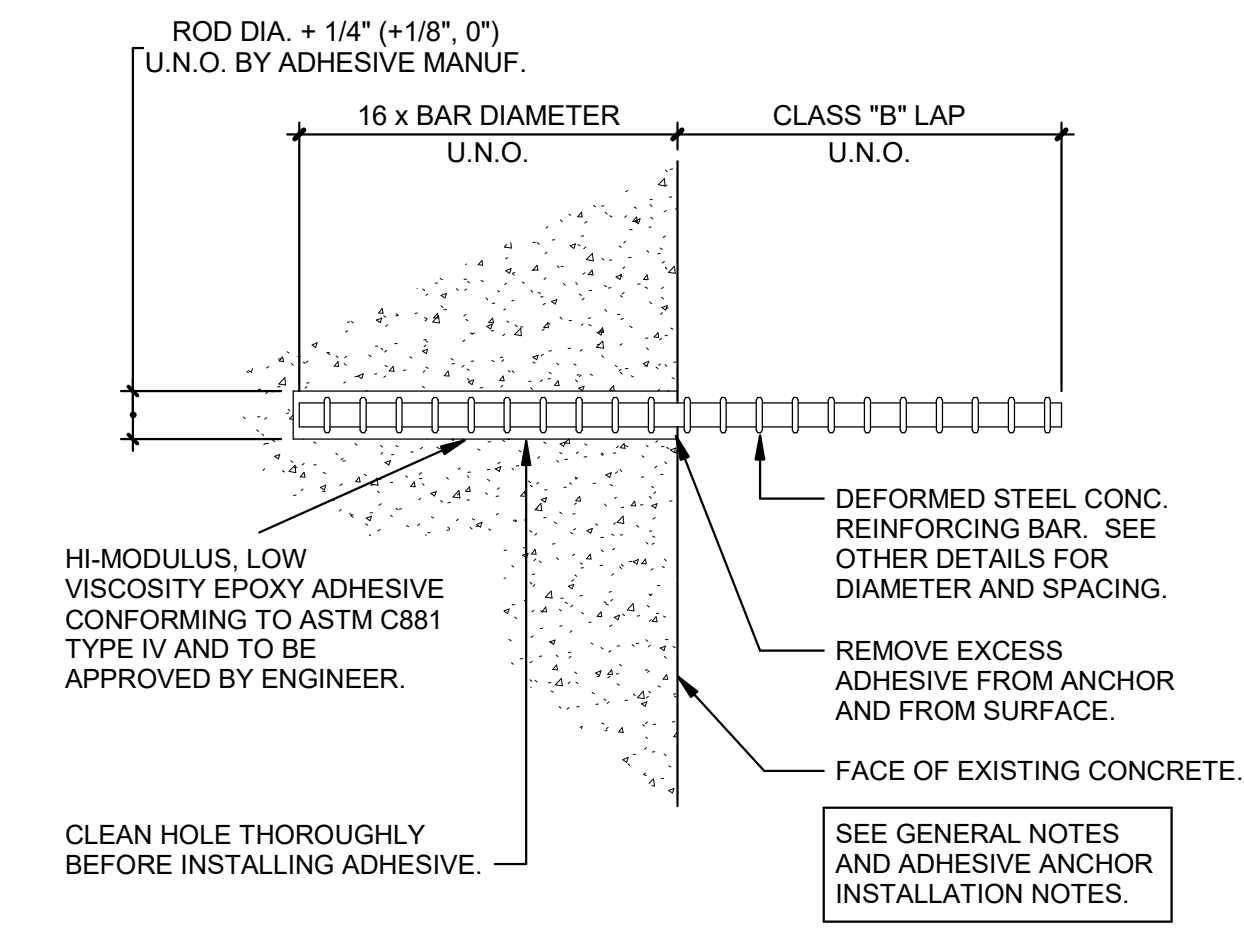


F8 RECTANGLE HSS COLUMN BASE PLATE
1" = 1'-0"

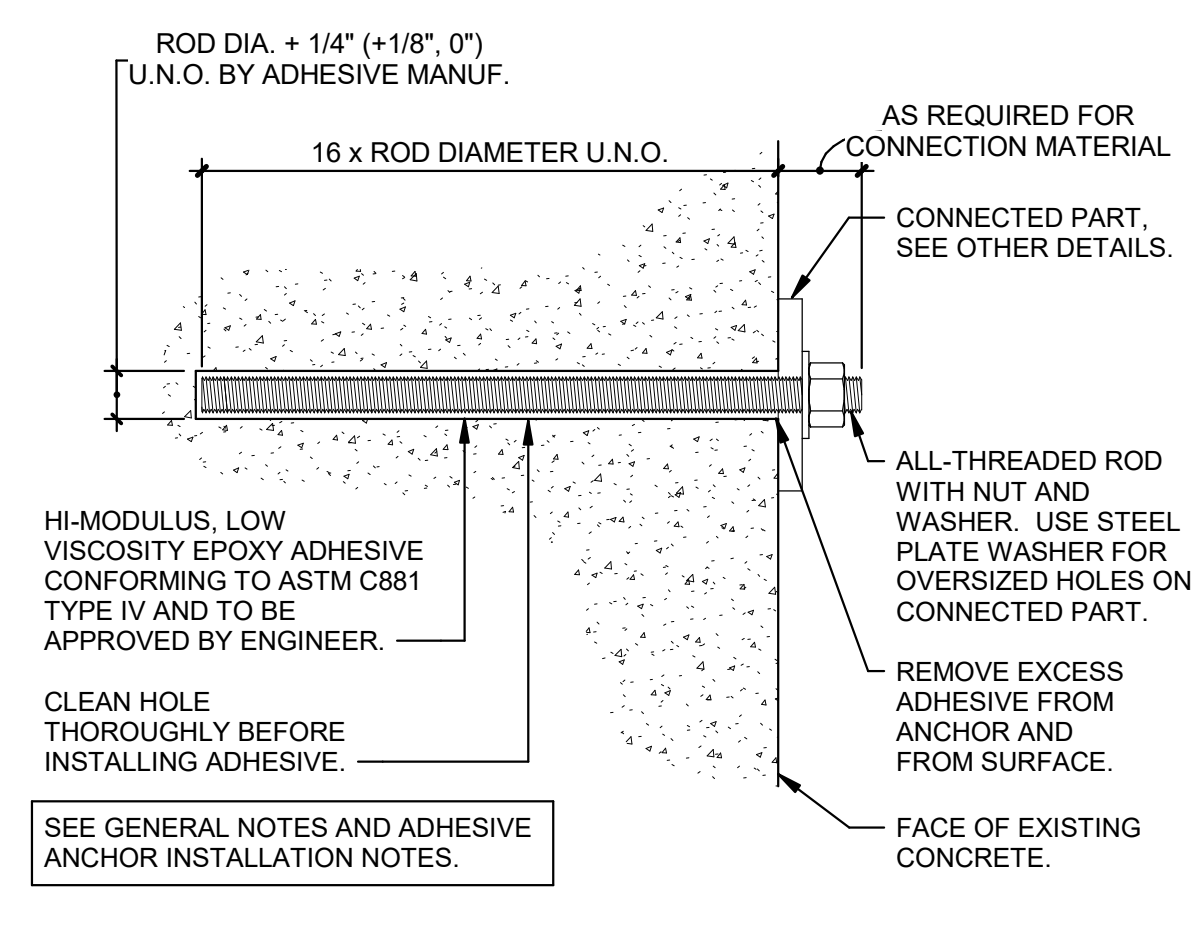


D8 ADH. ANCH. THREADED ROD IN HOLLOW MAT'L
3" = 1'-0"

D6 ADHESIVE ANCH. CONCRETE REINFORCING BAR
3" = 1'-0"



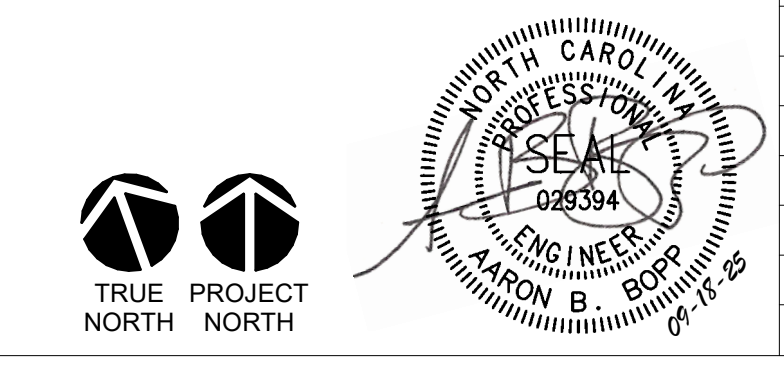
F4 BASE PLATE & ANCHOR BOLT SCHEDULE
1" = 1'-0"



D4 ADHESIVE ANCHOR THREADED ROD IN SOLID MATERIAL
3" = 1'-0"



REV	DESCRIPTION	BY	CR#	APPROVAL	DATE
REVISIONS					
SIGNATURES		DATE			
DRAWN	KAT	09.08.2025			
CHECKED	AB	09.08.2025			
ENGR	MS	09.08.2025			
ENGR	AB	09.08.2025			
SCALE		ALL SURF. ✓			
*UNLESS OTHERWISE SPECIFIED		FRACTIONS			
2 PLACE DECIMALS	±	FRACTIONS			
3 PLACE DECIMALS	±	ANGLES			
±	±	±			

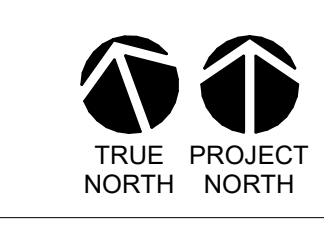


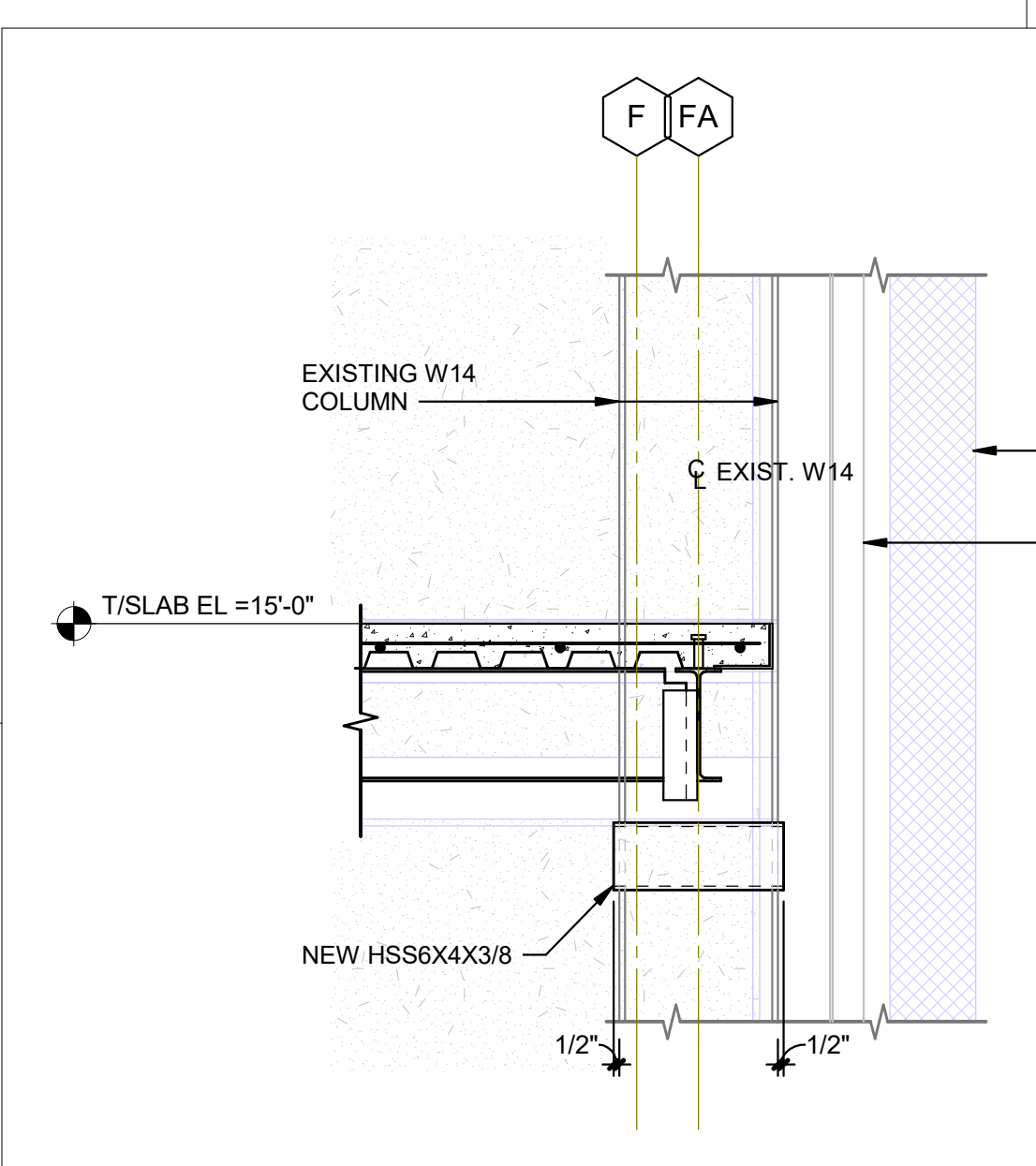
GE VERNOVA
Hitachi Nuclear Energy
Wilmington, NC

**GE VERNOVA-FMO
FOUNDATION TYPICAL
DETAILS AND SCHEDULES**

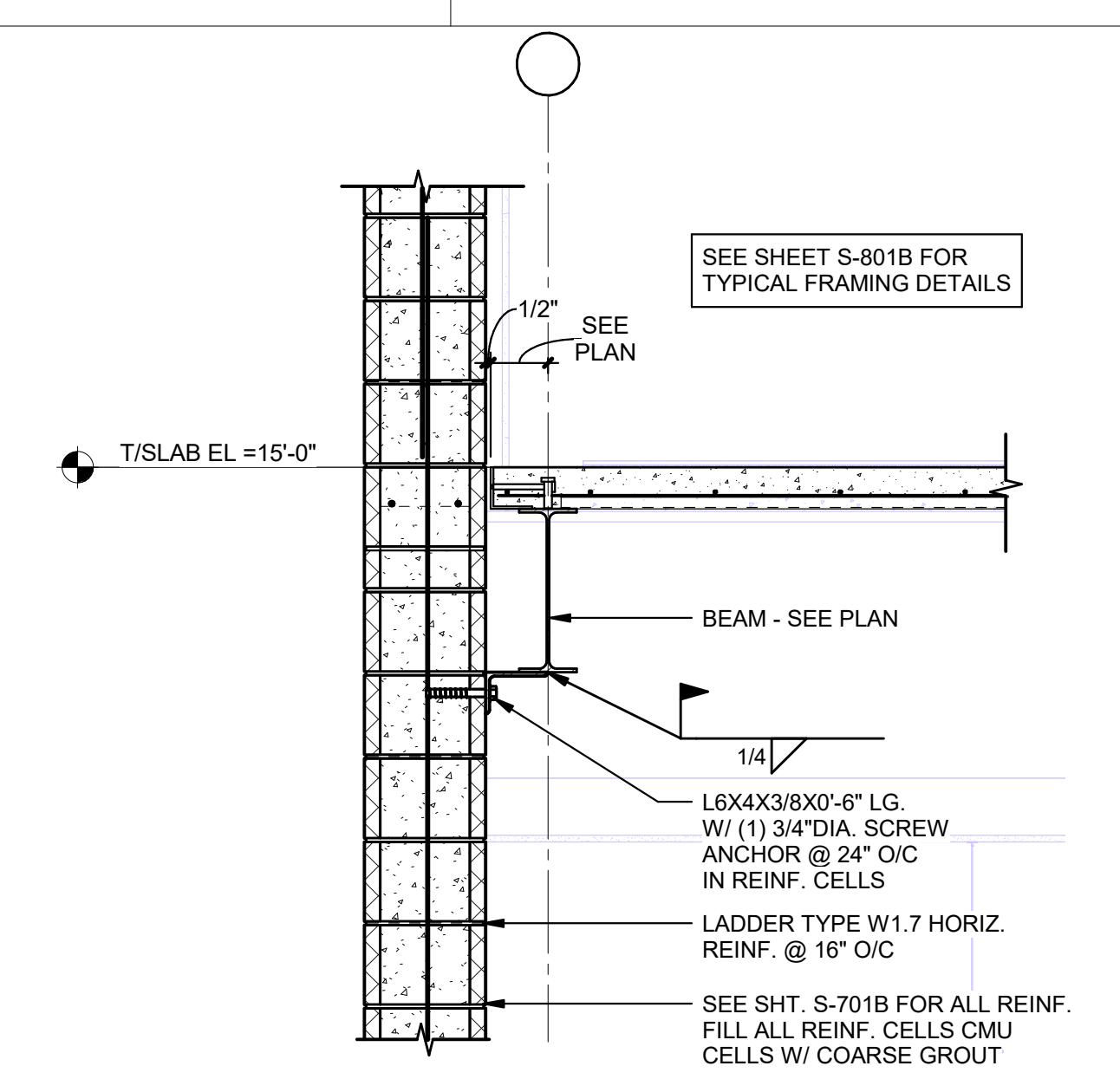
S-702B

2025.09.18

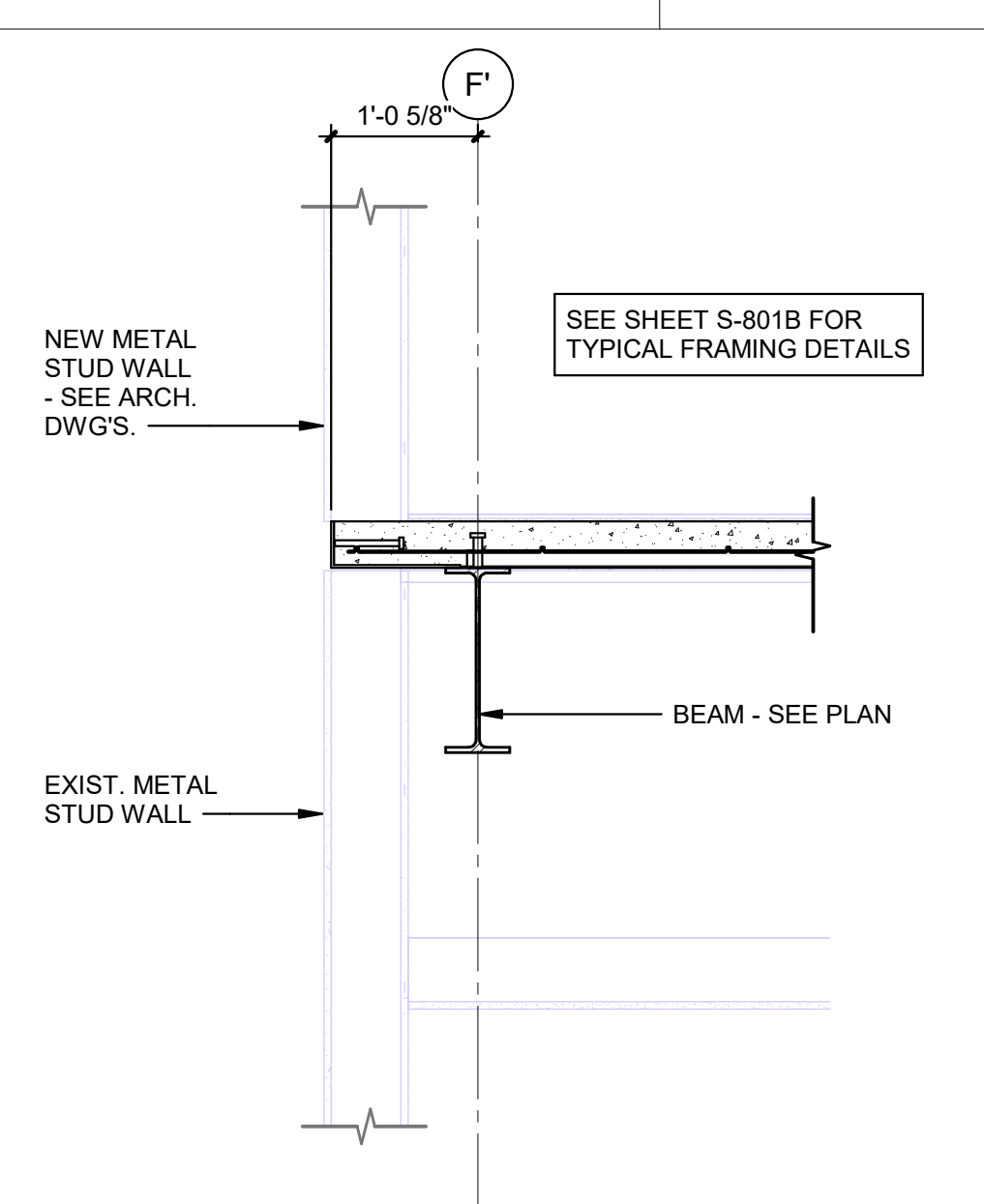




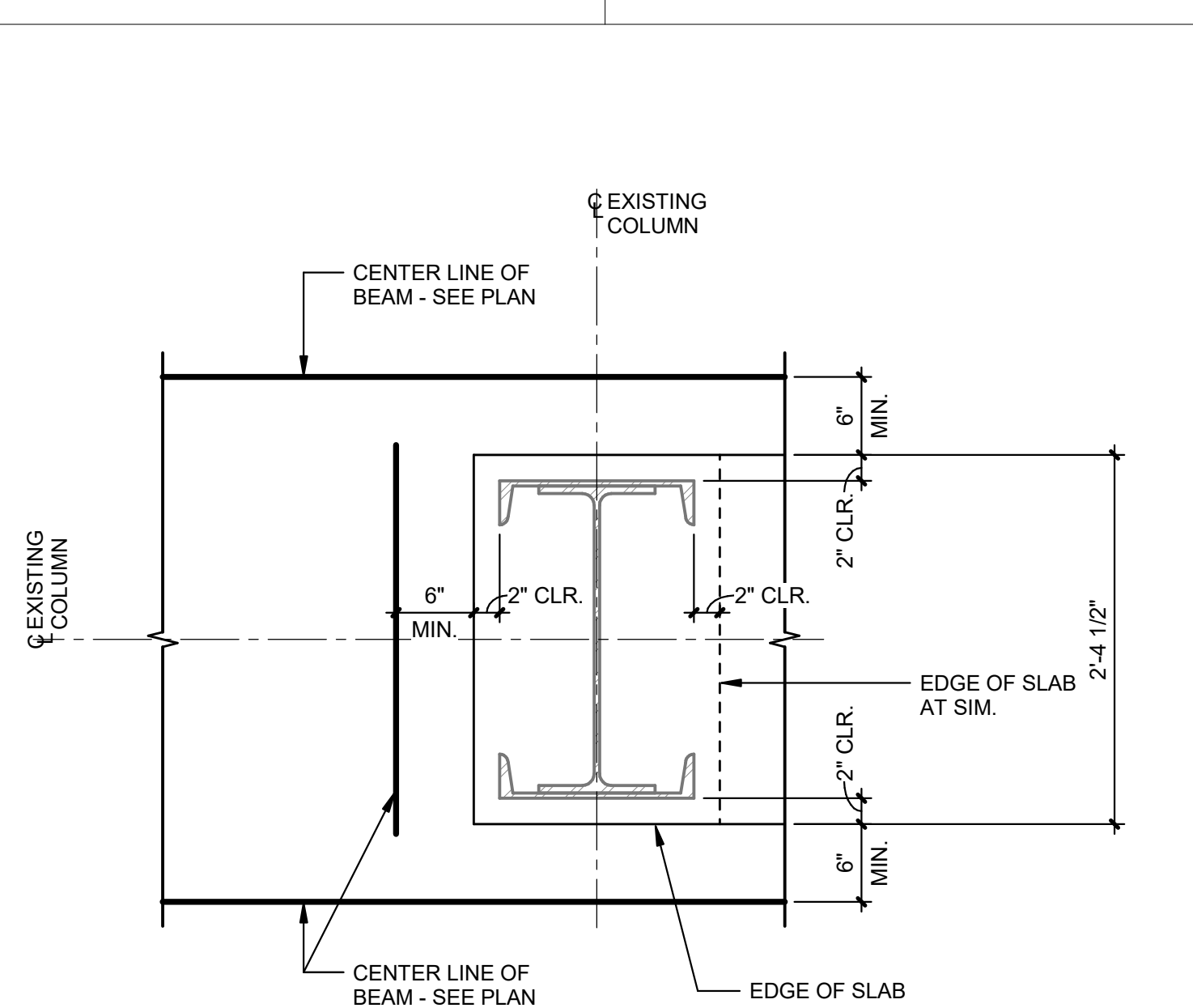
H8 SECTION
S-801B 3/4" = 1'-0"



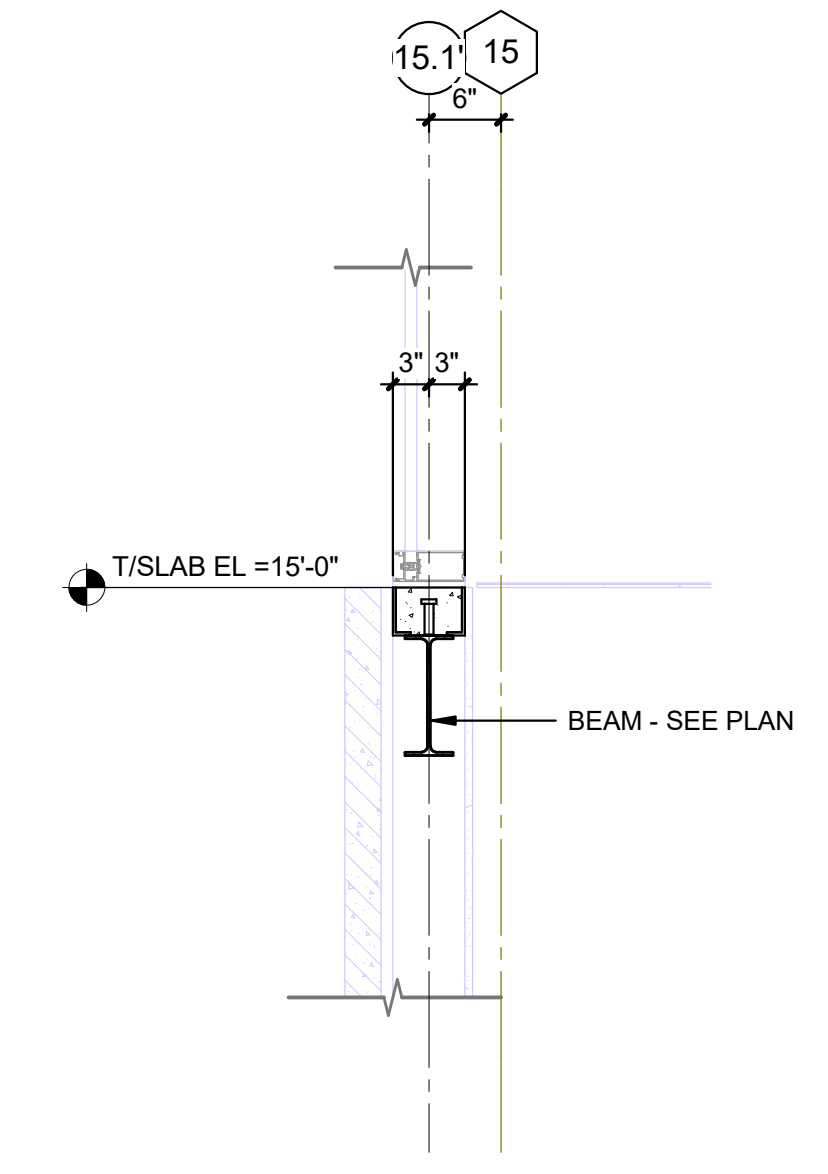
H6 SECTION
S-801B 3/4" = 1'-0"



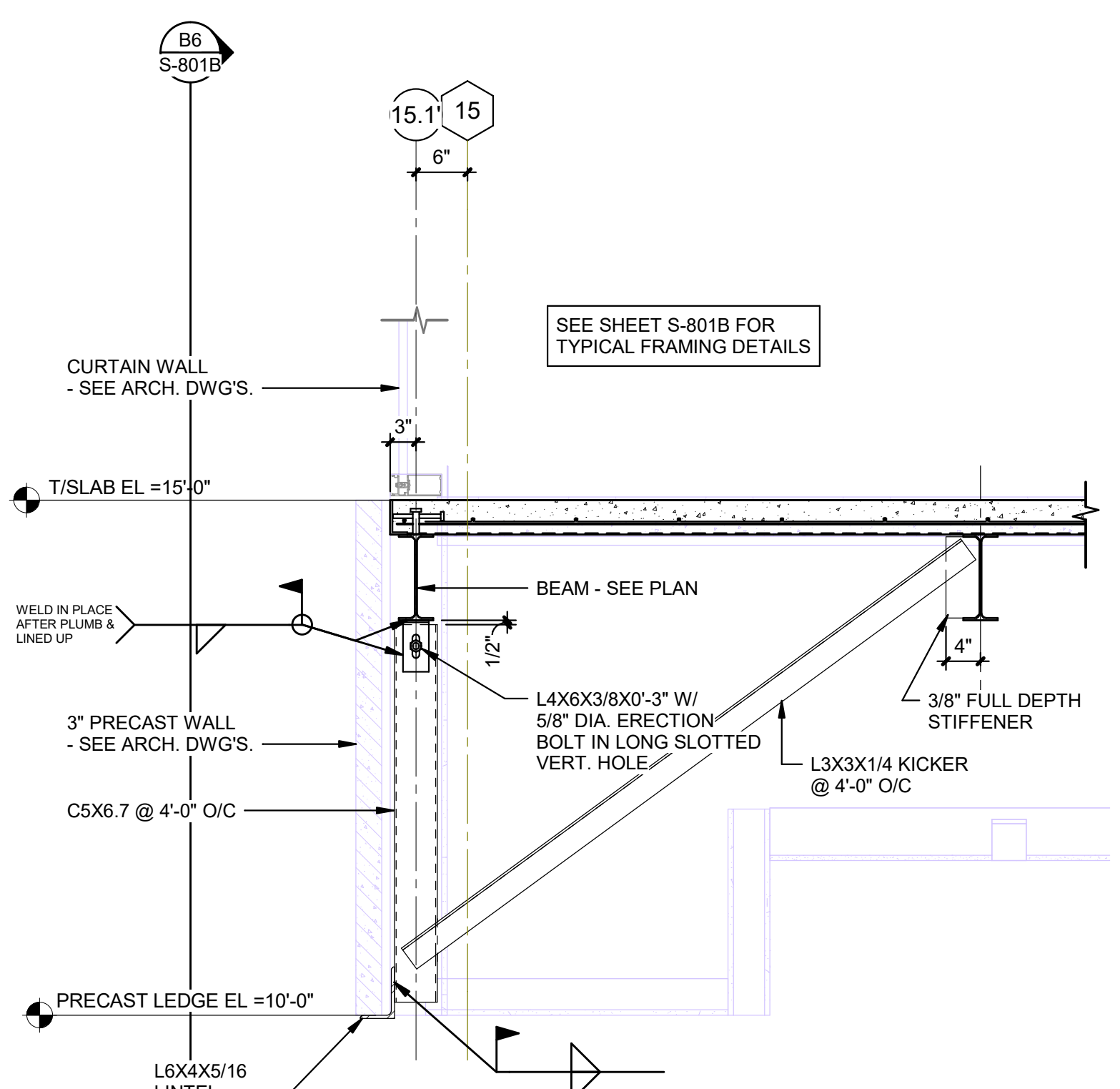
H4 SECTION
S-801B 3/4" = 1'-0"



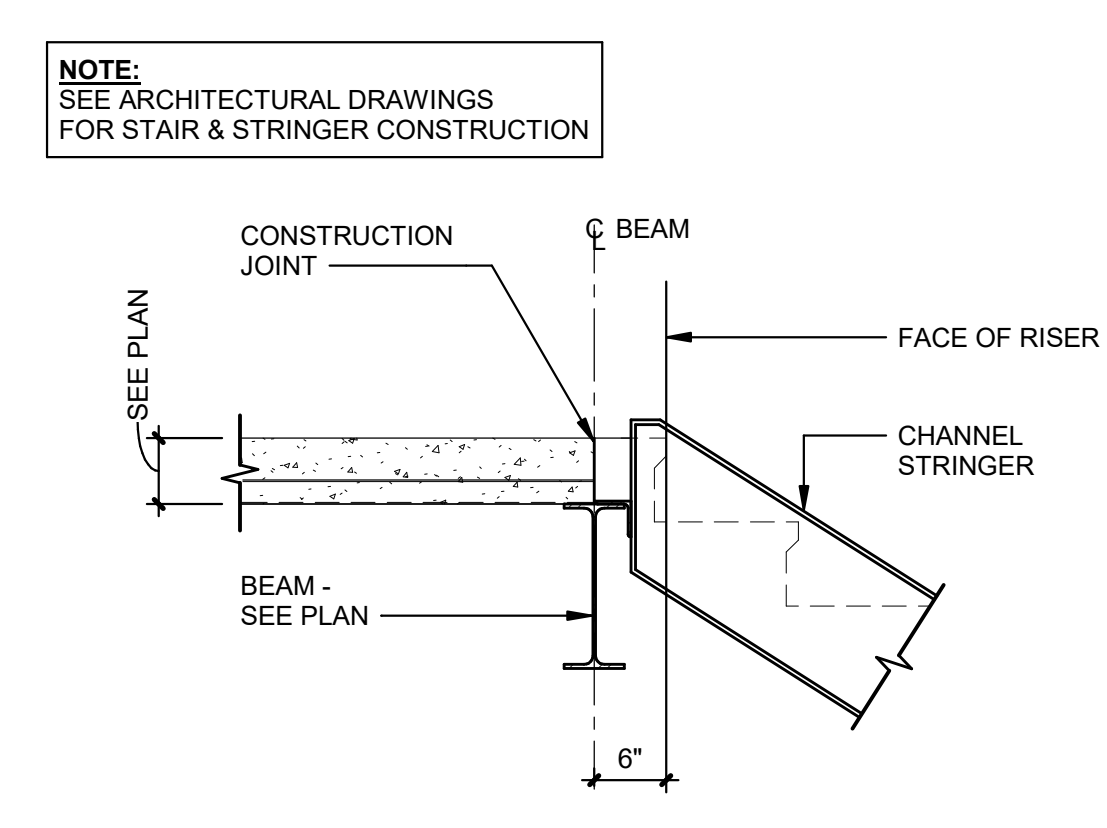
H2 PLAN VIEW
S-801B 1" = 1'-0"



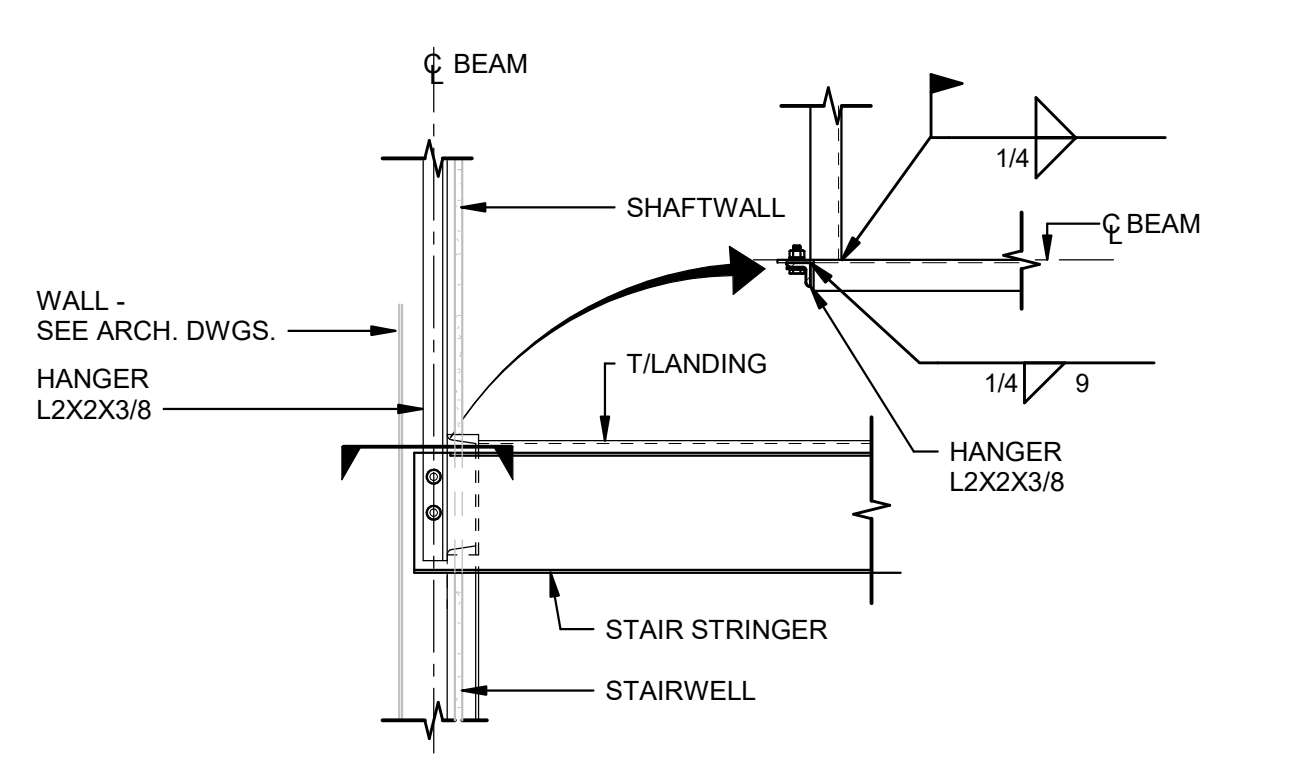
E8 SECTION
S-801B 3/4" = 1'-0"



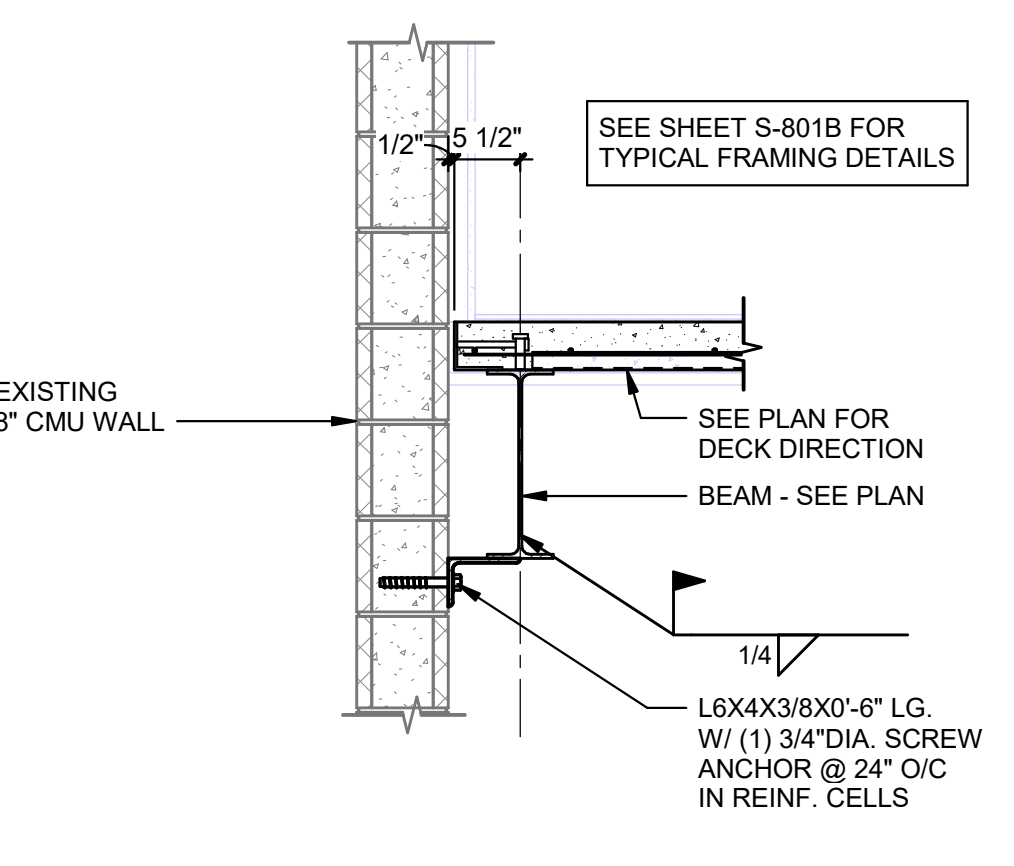
E6 SECTION
S-801B 3/4" = 1'-0"



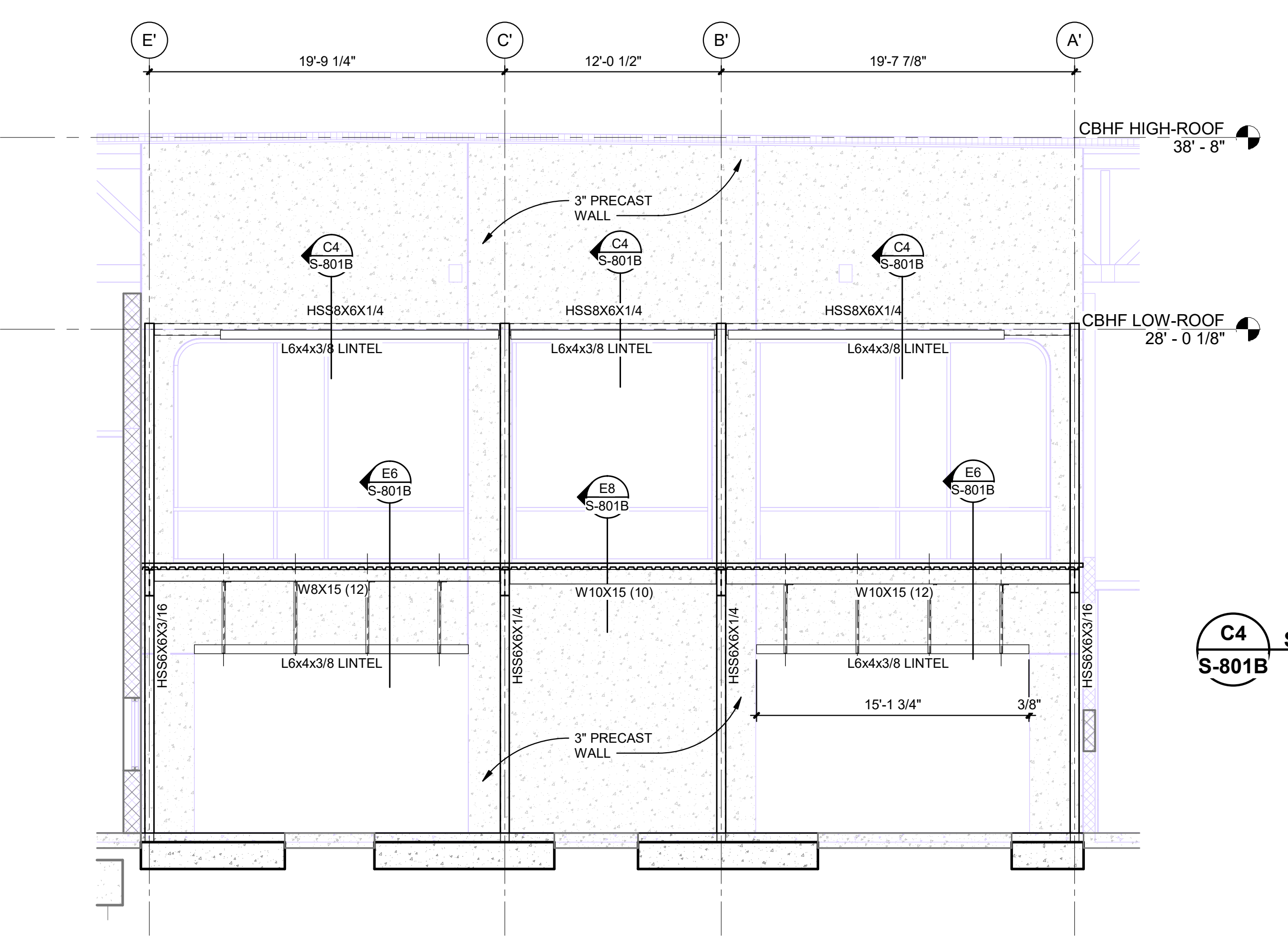
E4 TYPICAL STAIR STRINGER TO BEAM CONNECTION
S-801B 3/4" = 1'-0"



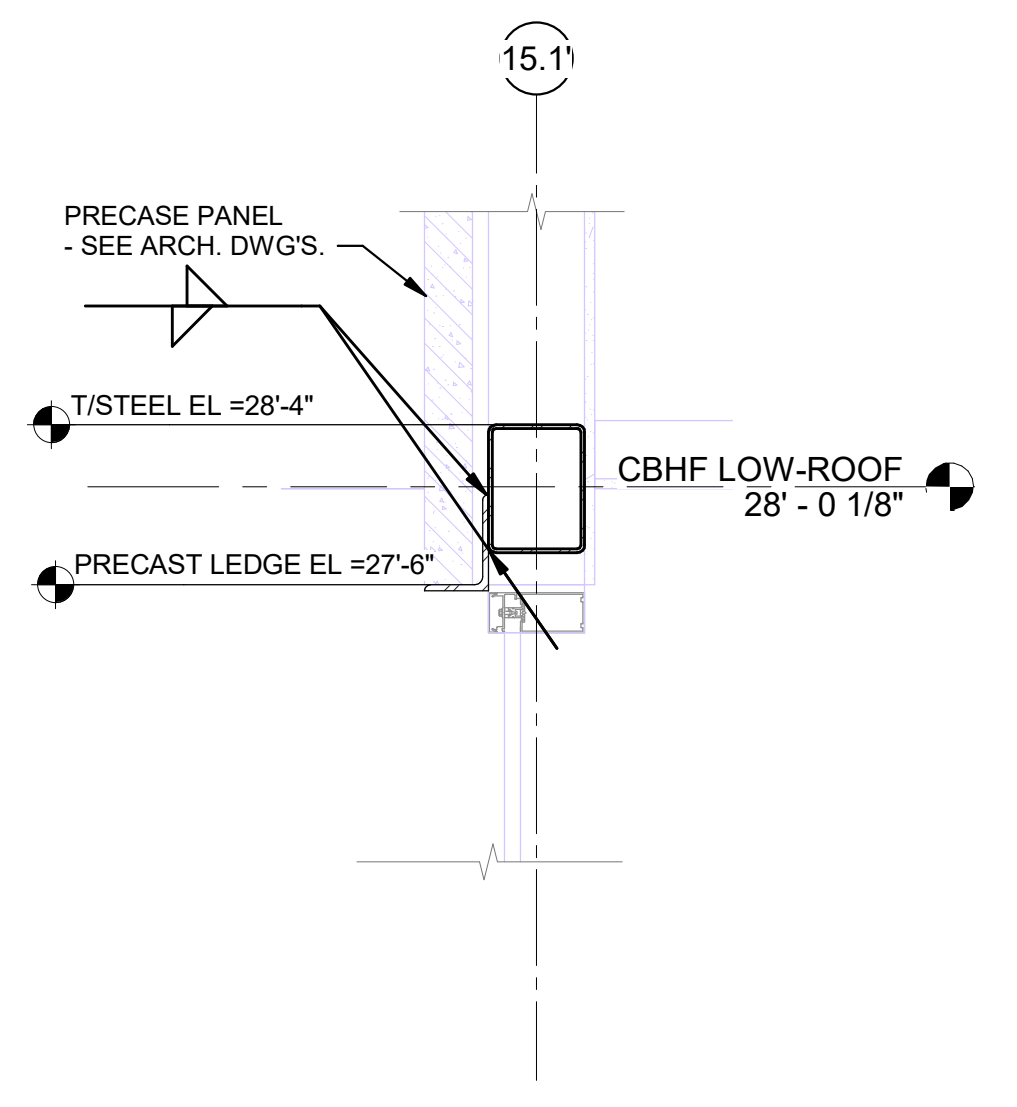
E2 SECTION AT STAIR LANDING
S-801B 3/4" = 1'-0"



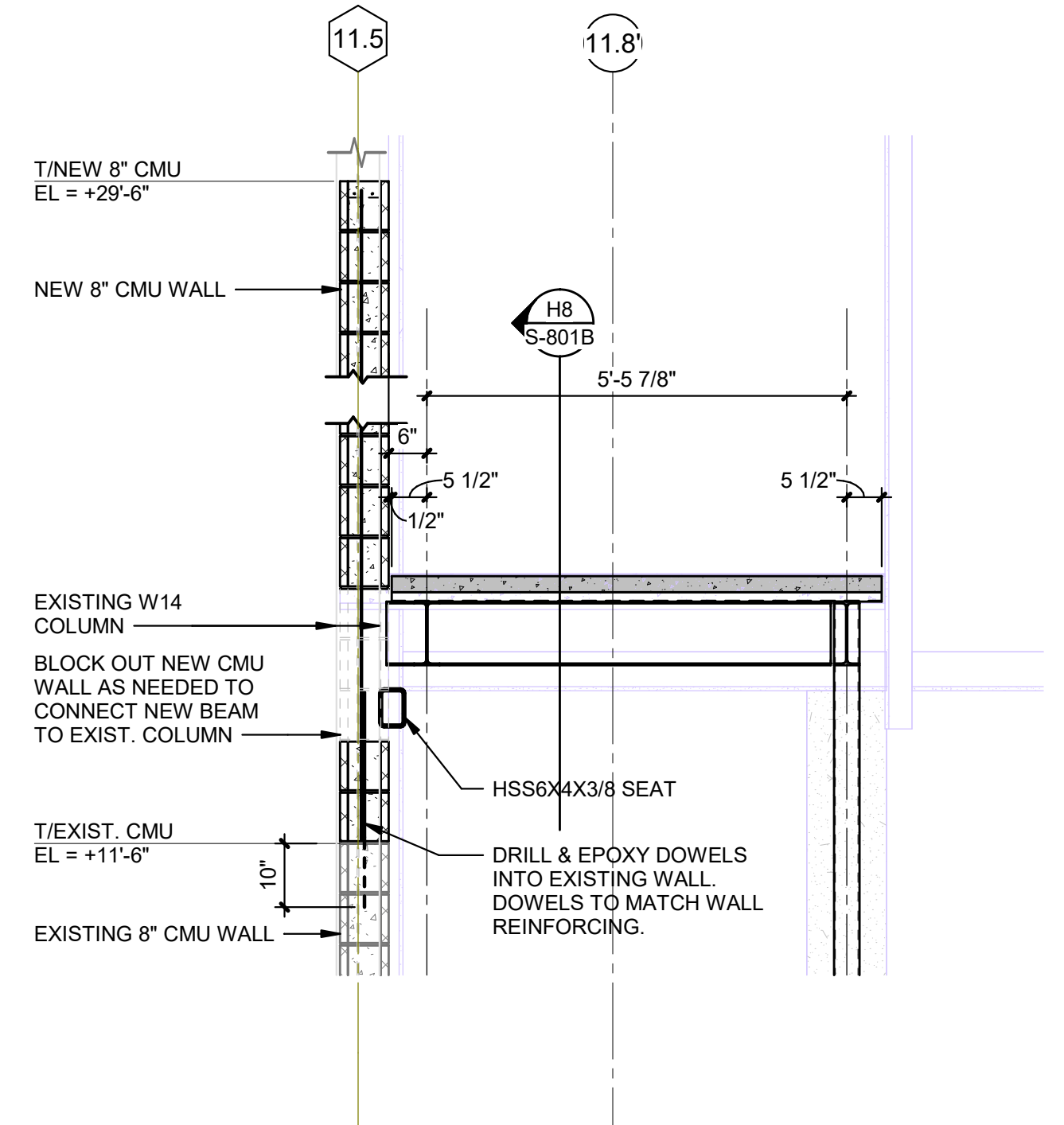
C8 SECTION
S-801B 3/4" = 1'-0"



B6 ELEVATION
S-801B 3/16" = 1'-0"



C4 SECTION
S-801B 1" = 1'-0"

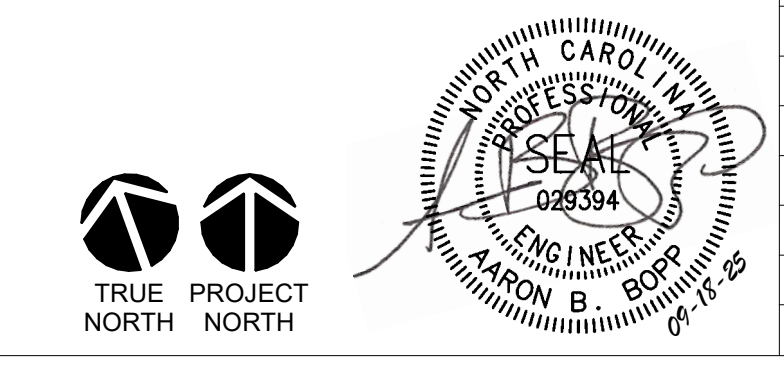


E2 SECTION AT STAIR LANDING
S-801B 1/2" = 1'-0"

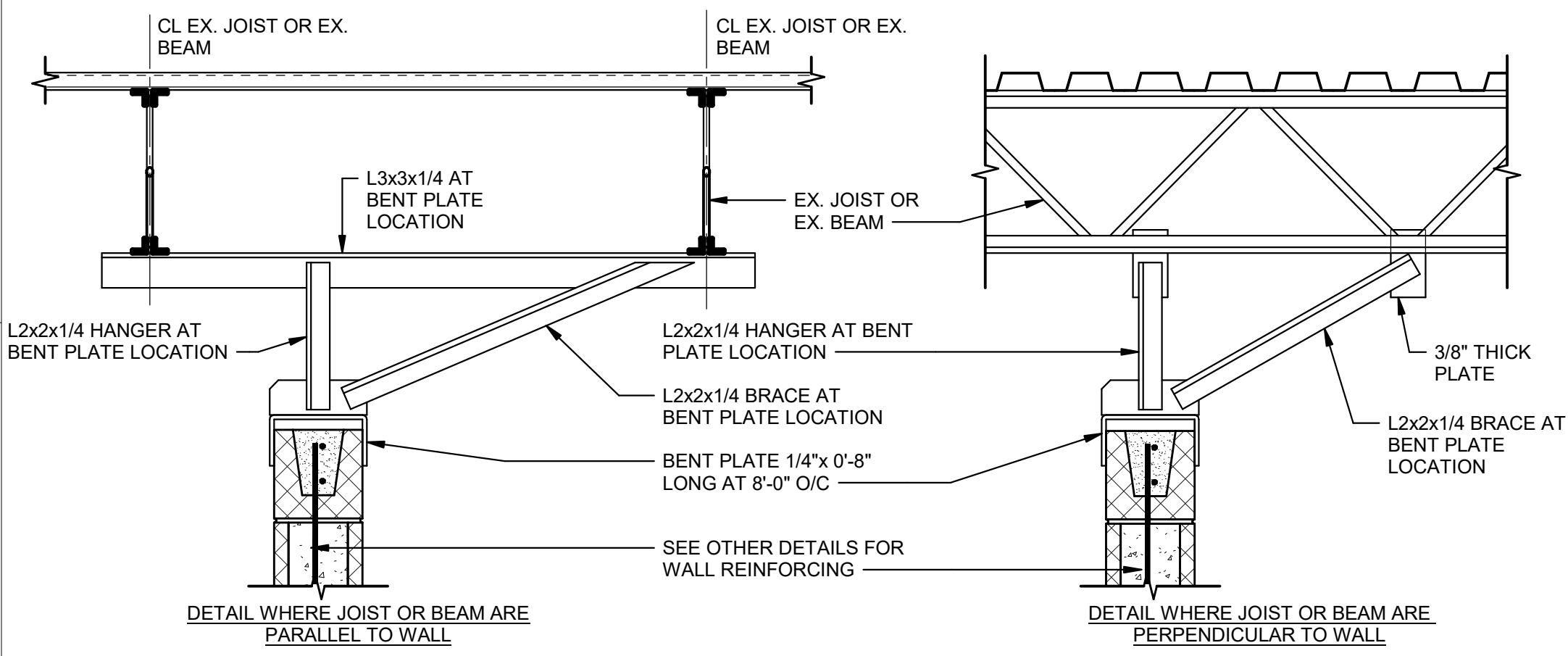
C2 SECTION AT STAIR LANDING
S-801B 1/2" = 1'-0"

SKA
ENGINEERS
7900 Trial Center Drive, Suite 200
Greensboro, NC 27409-9075
t: 336.855.0993
nc License No. E-0208

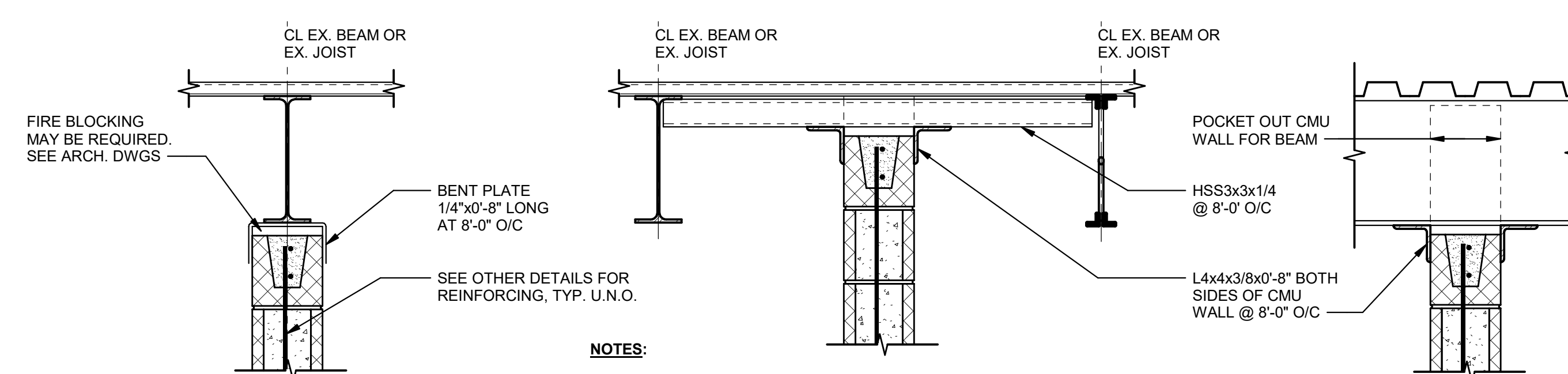
REV	DESCRIPTION	BY	CR#	APPROVAL	DATE
REVISIONS					
SIGNATURES		DATE			
DRAWN	KAT	09.08.2025			
CHECKED	AB	09.08.2025			
ENGR	MS	09.08.2025			
ENGR	AB	09.08.2025			
SCALE		ALL SURF. UNLESS OTHERWISE SPECIFIED			
2 PLACE DECIMALS		FRACTIONS			
3 PLACE DECIMALS		ANGLES			



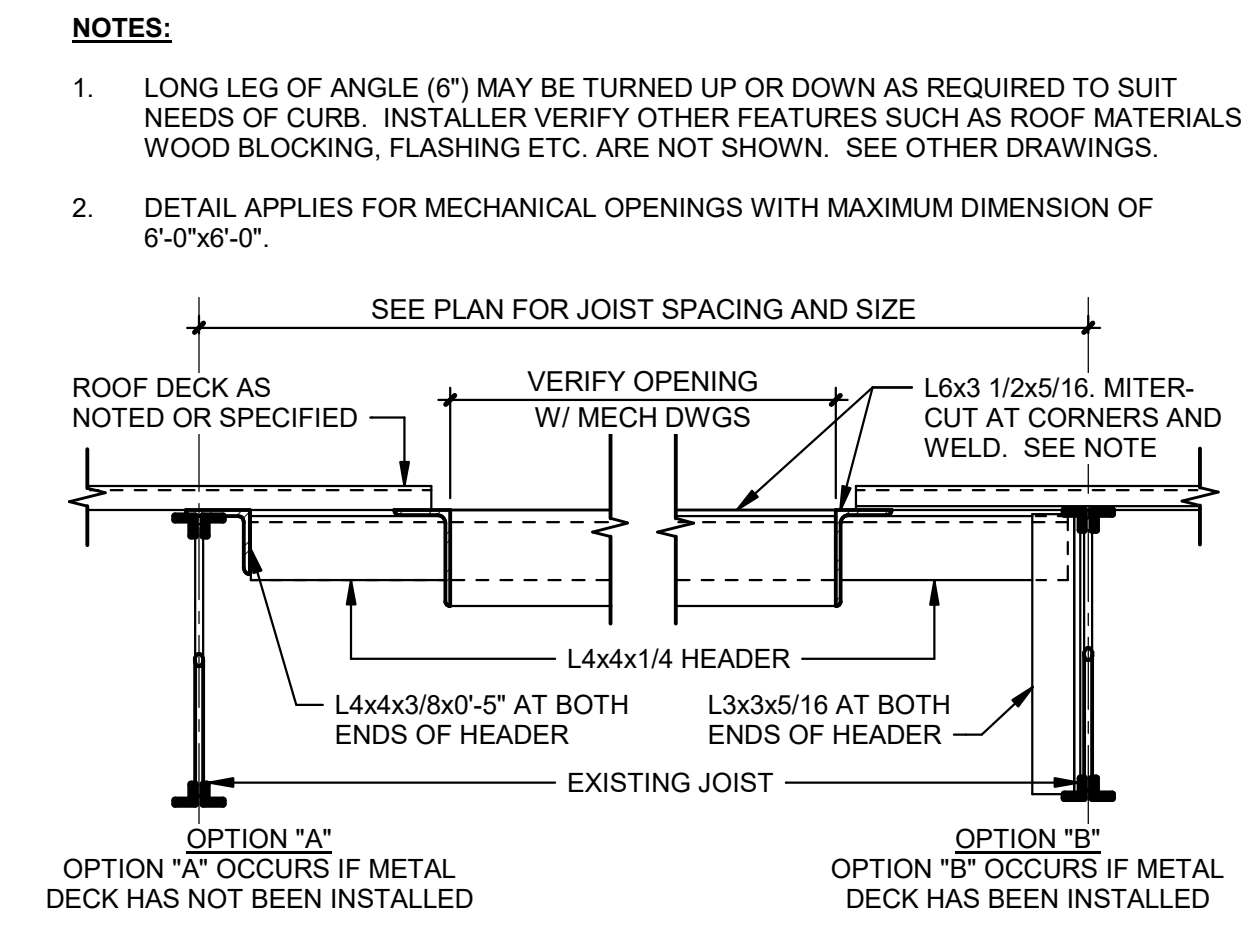
GE VERNOVA GE Hitachi Nuclear Energy
Wilmington, NC
GE VERNOVA-FMO
FRAMING SECTIONS
2025.09.18
S-801B



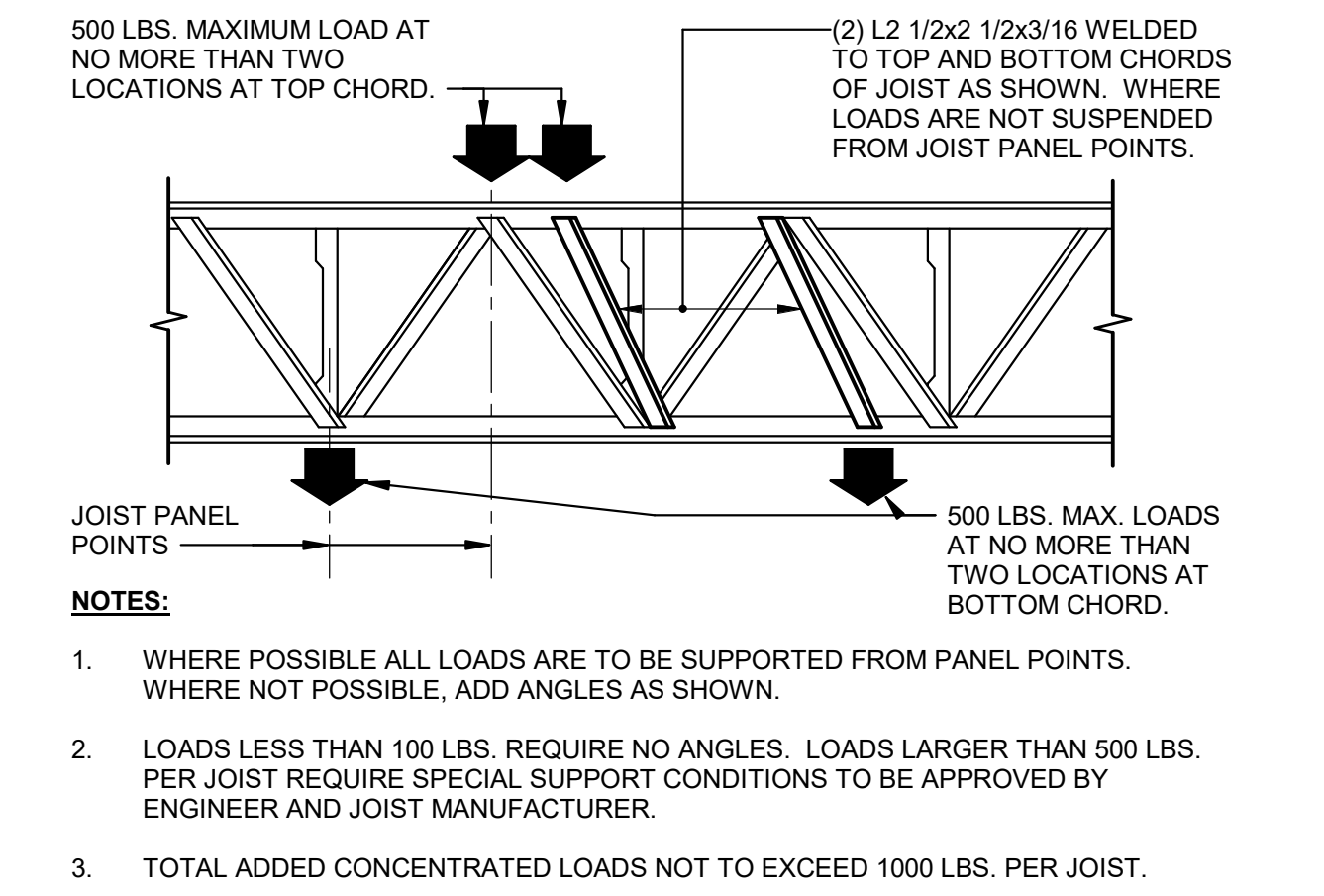
H8 TOP OF NON-BEARING MASONRY WALL BRACE
S-901B 1" = 1'-0"



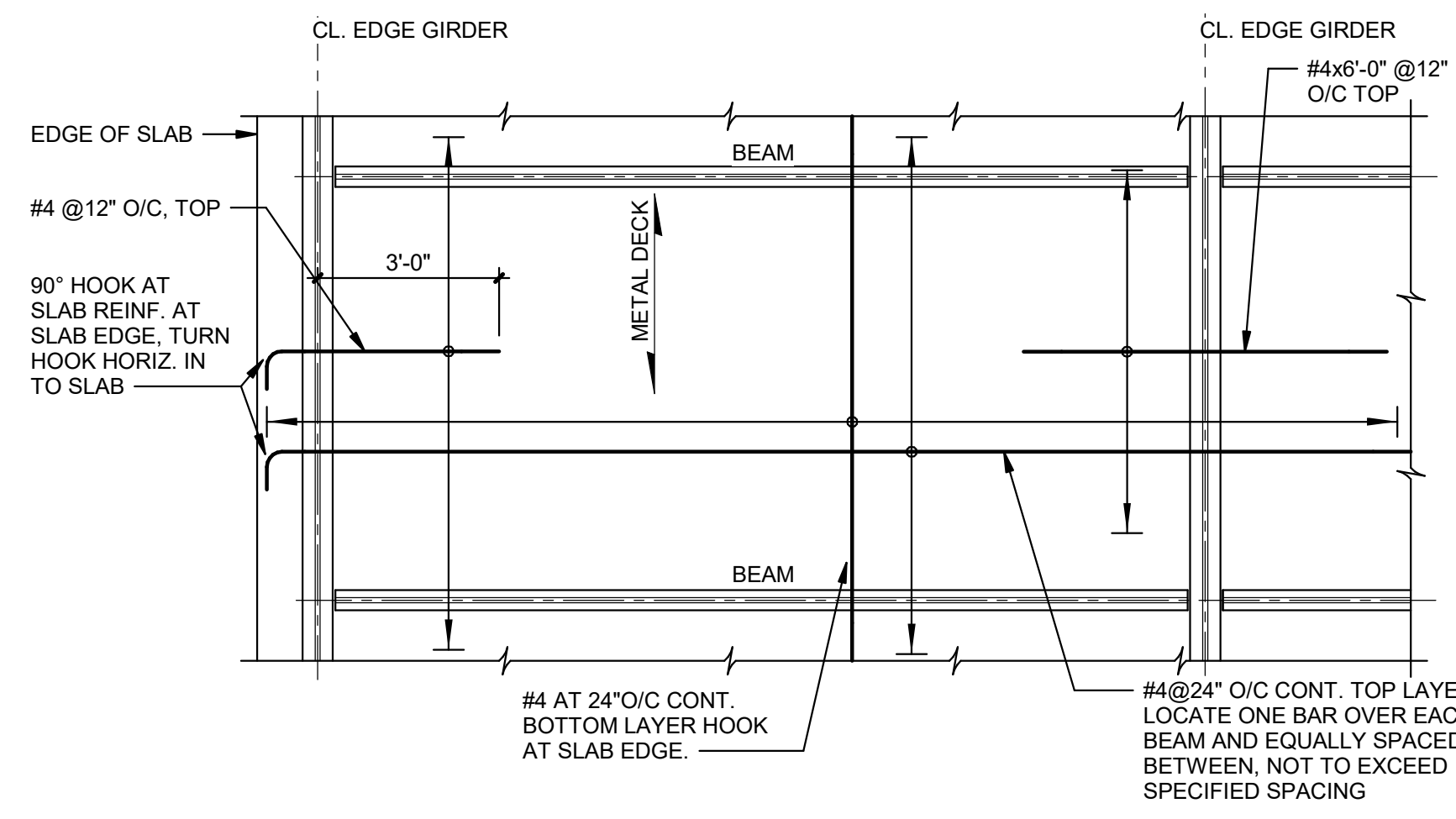
H6 TOP OF MASONRY WALL BRACING
S-901B 1" = 1'-0"



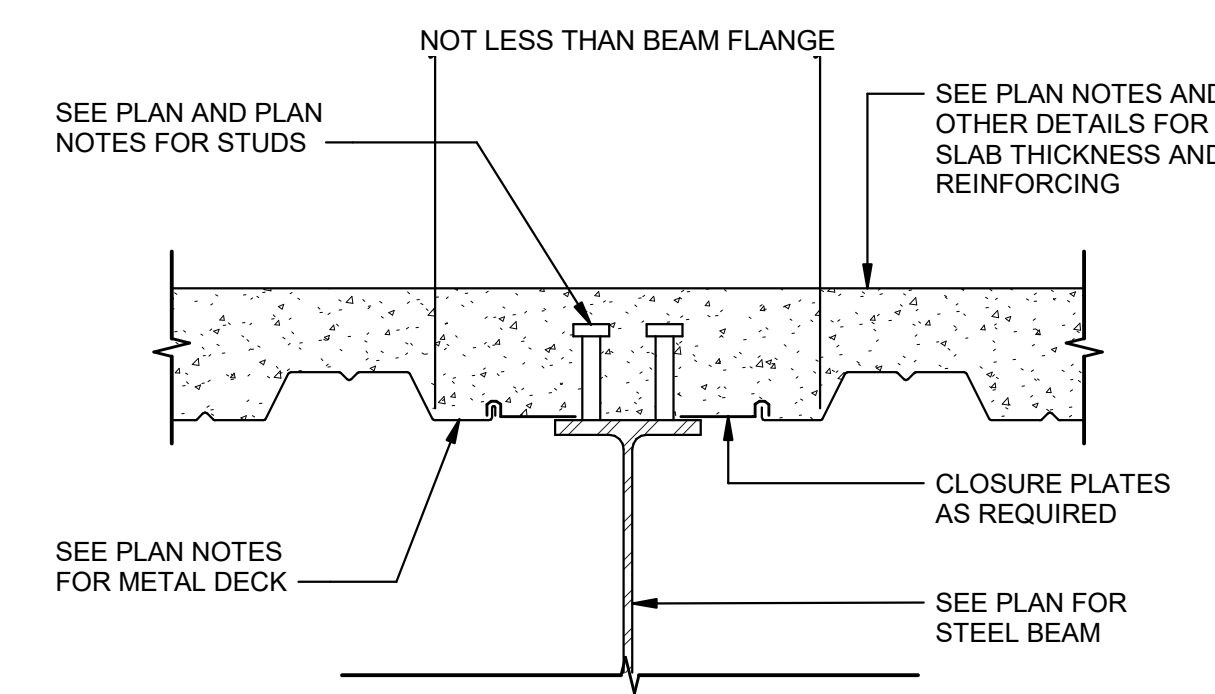
H3 FRAMED ROOF OPENING
S-901B 1" = 1'-0"



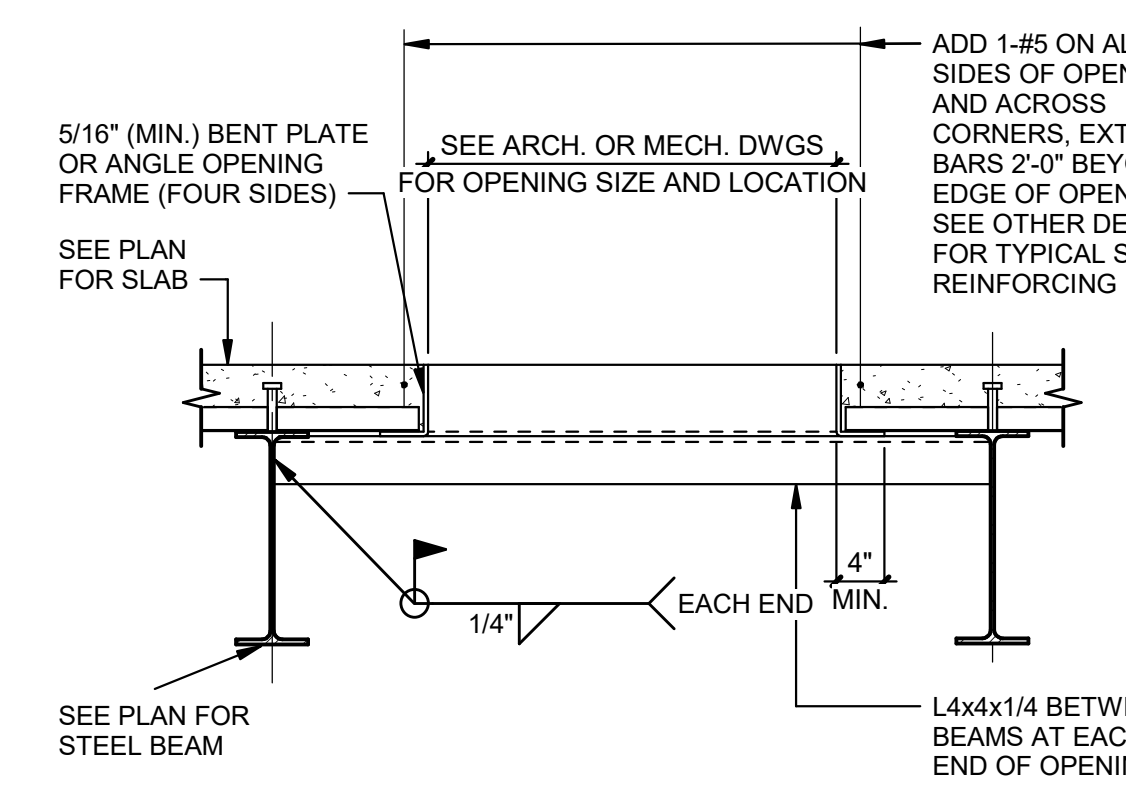
H2 CONCENTRATED LOADS ON LH AND DLH JOIST
S-901B 1/2" = 1'-0"



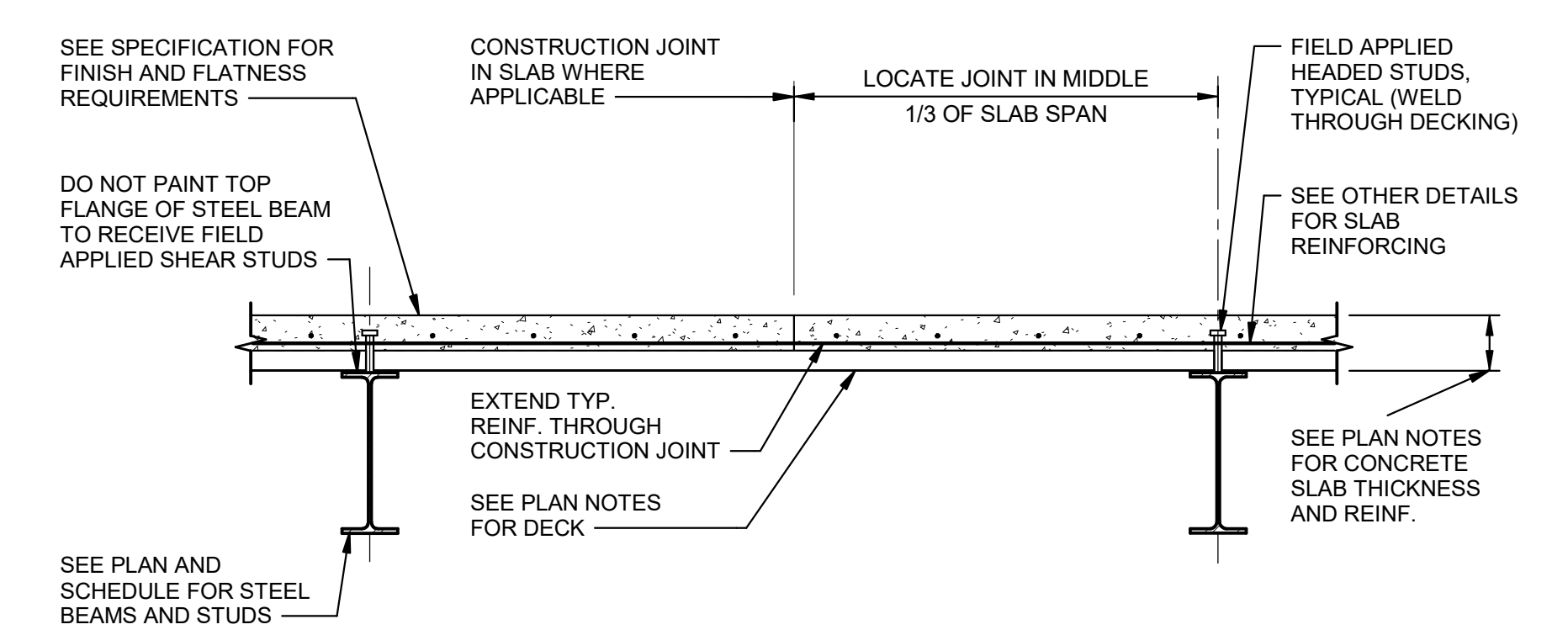
E8 FLOOR SLAB REINFORCING
S-901B 3/8" = 1'-0"



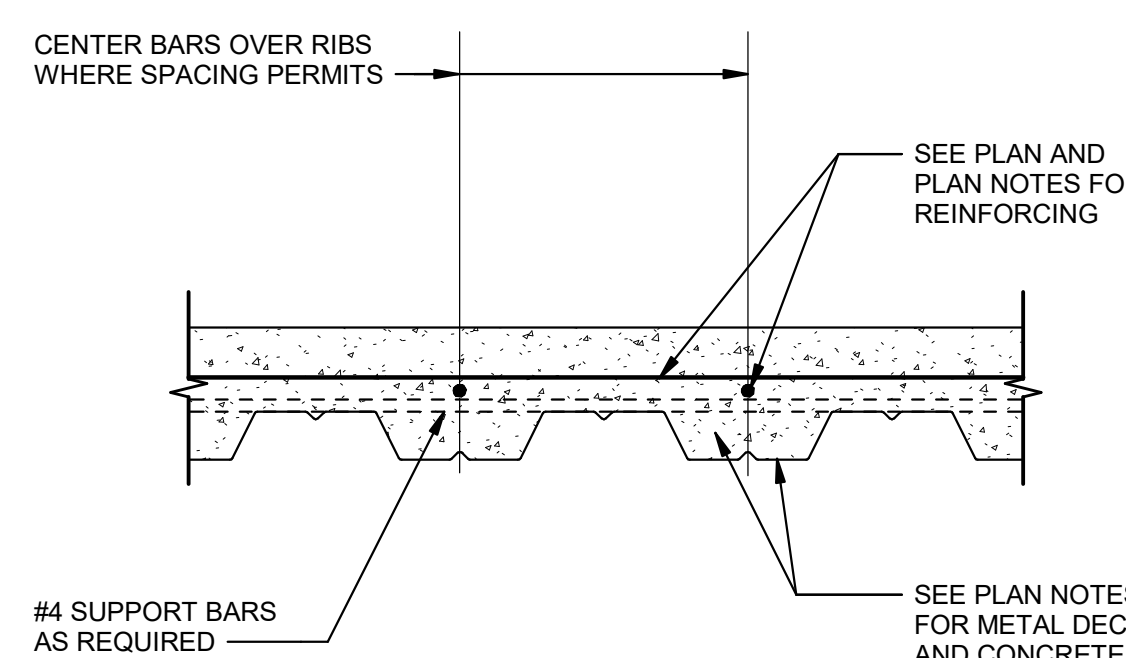
E6 DECK AT COMPOSITE GIRDER
S-901B 1 1/2" = 1'-0"



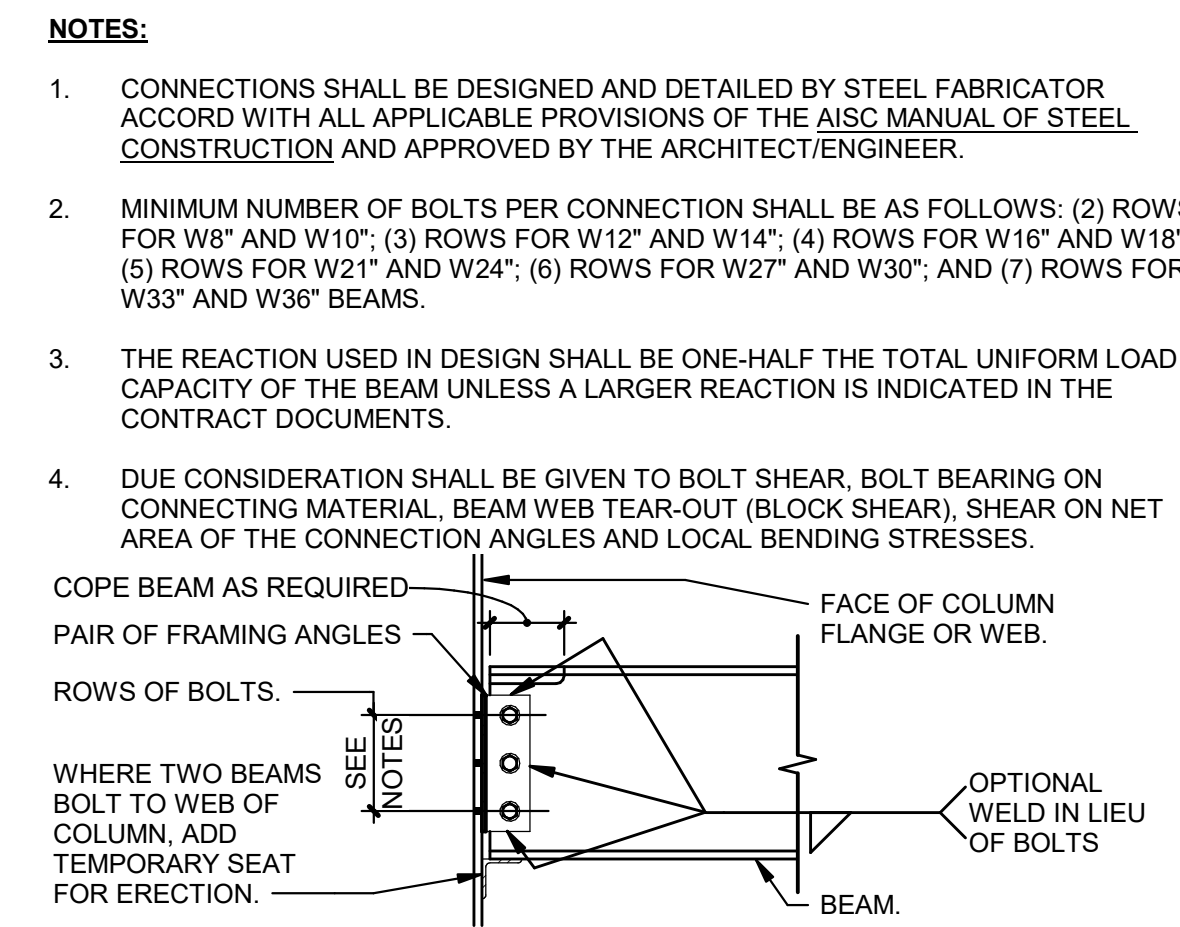
E4 OPENING FRAMING IN FLOOR SLAB
S-901B 3/4" = 1'-0"



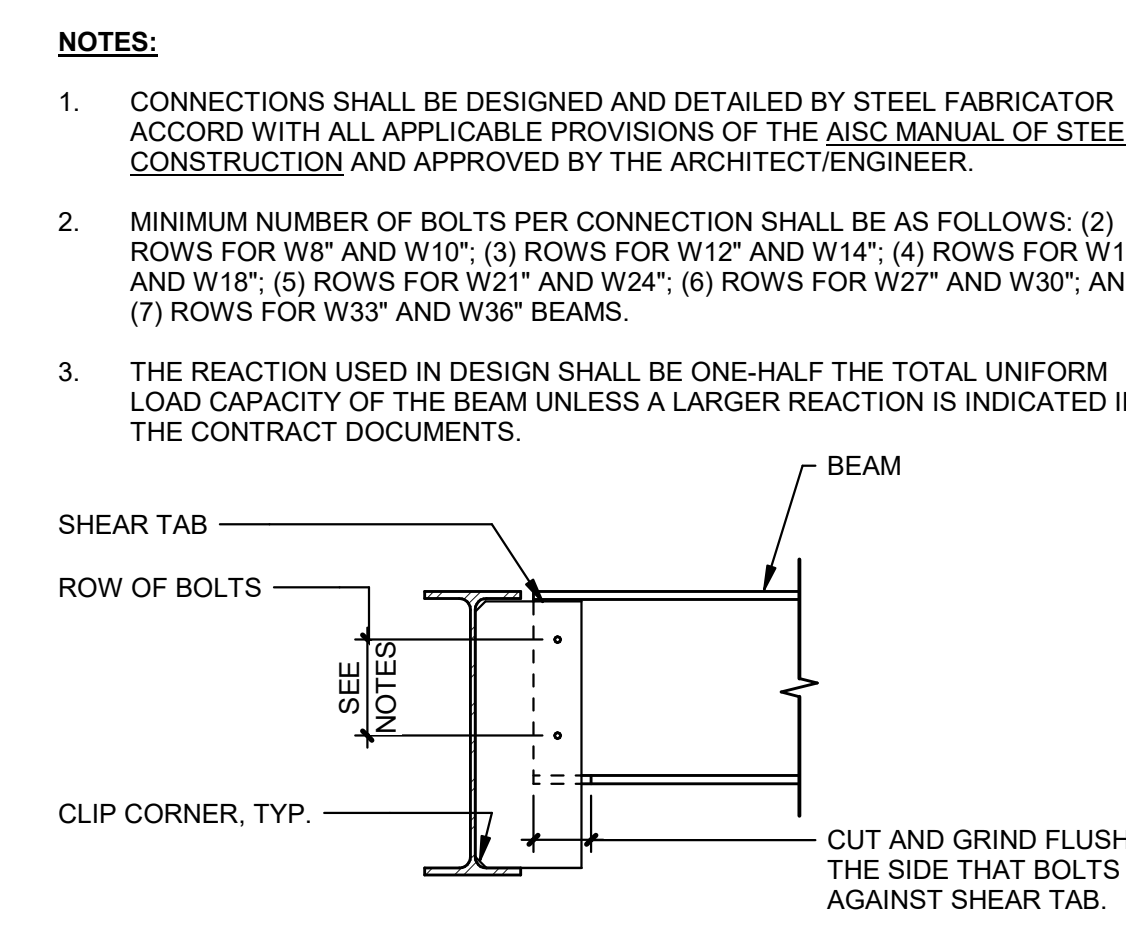
E2 COMPOSITE SLAB AND BEAM
S-901B 3/4" = 1'-0"



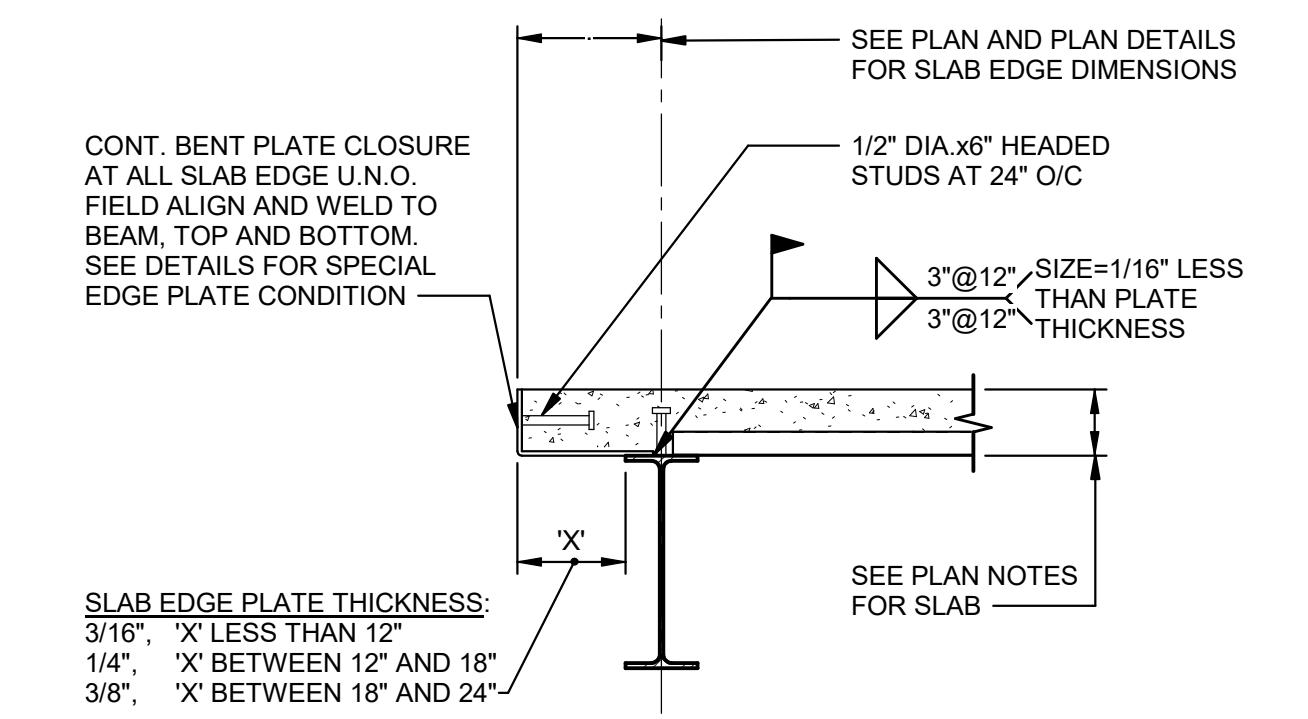
C8 SLAB REINFORCING
S-901B 1 1/2" = 1'-0"



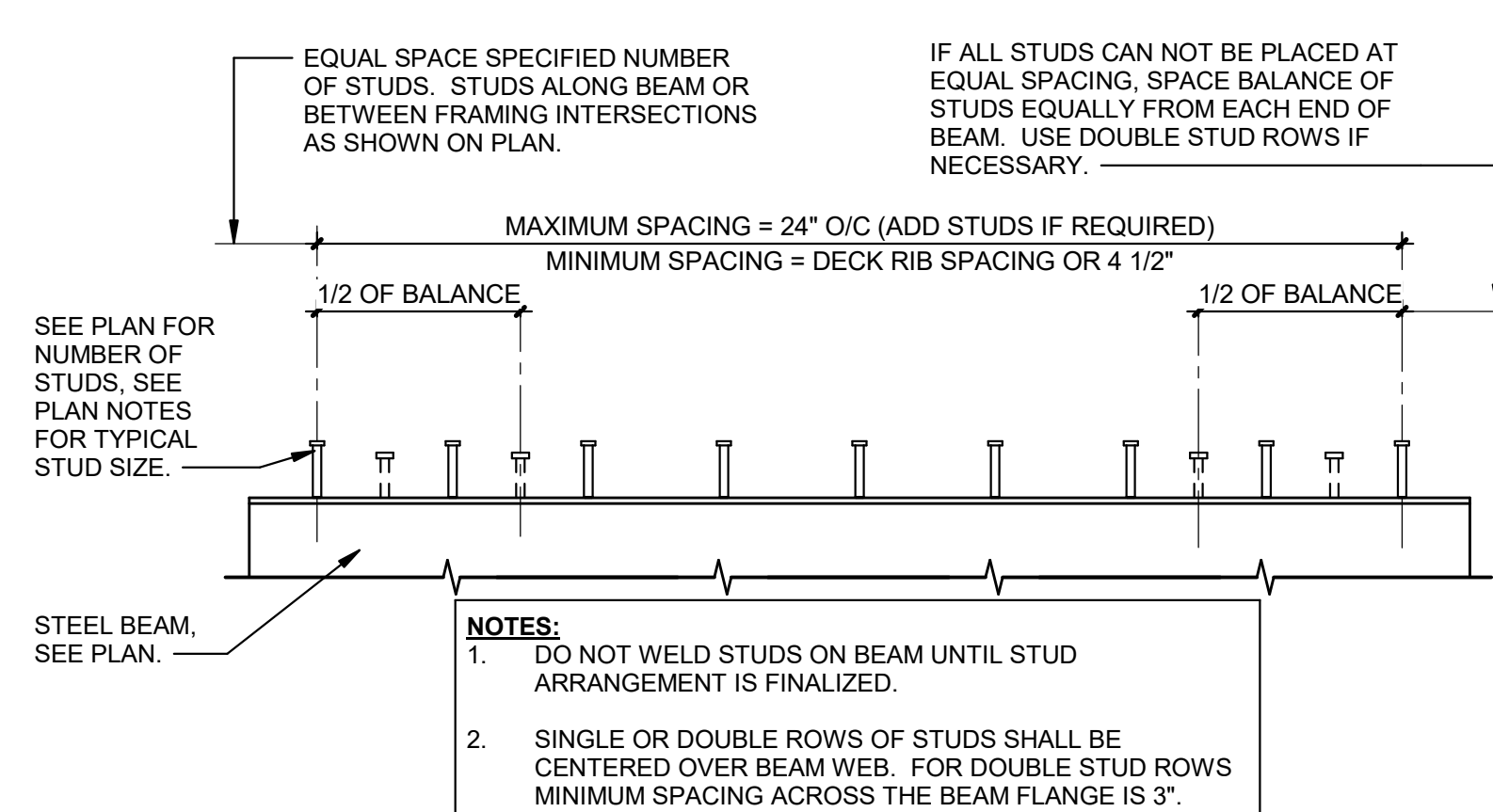
C6 FRAMED BEAM CONNECTION (U.N.O.)
S-901B 1" = 1'-0"



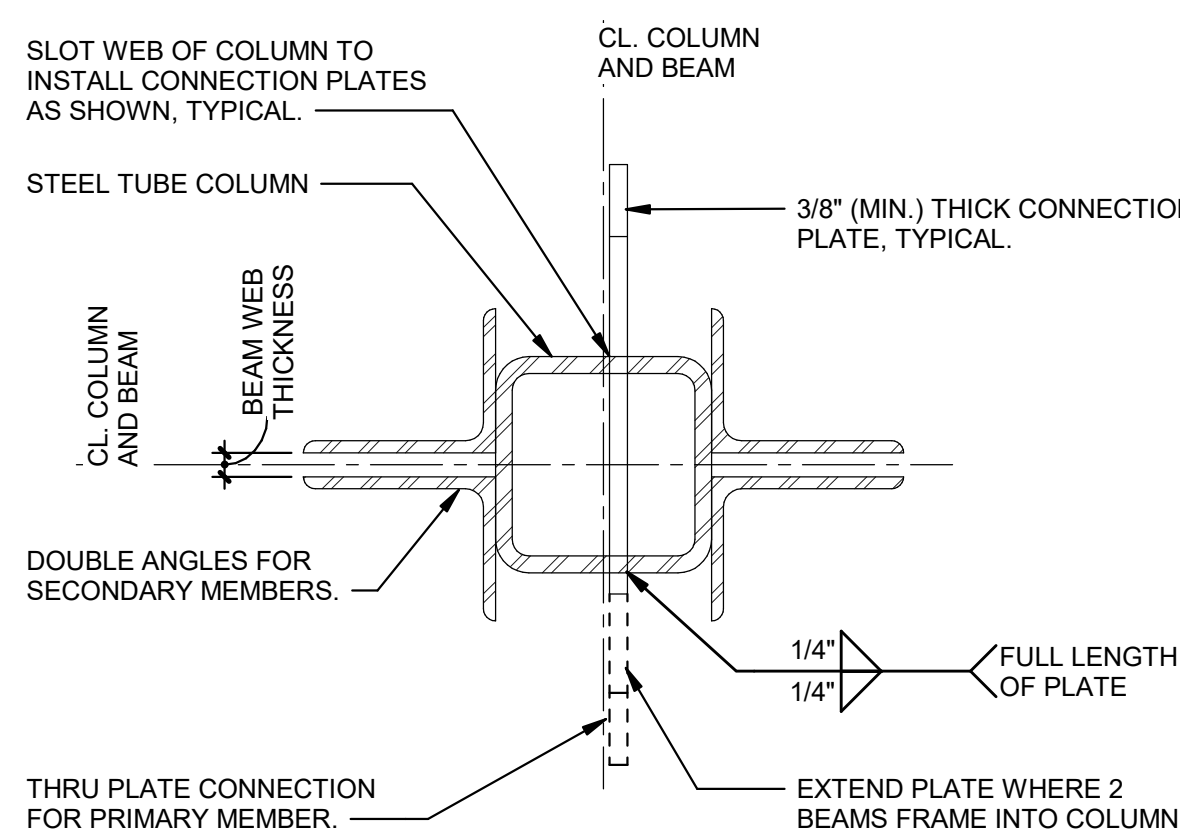
C4 SHEAR TAB CONNECTION
S-901B 1" = 1'-0"



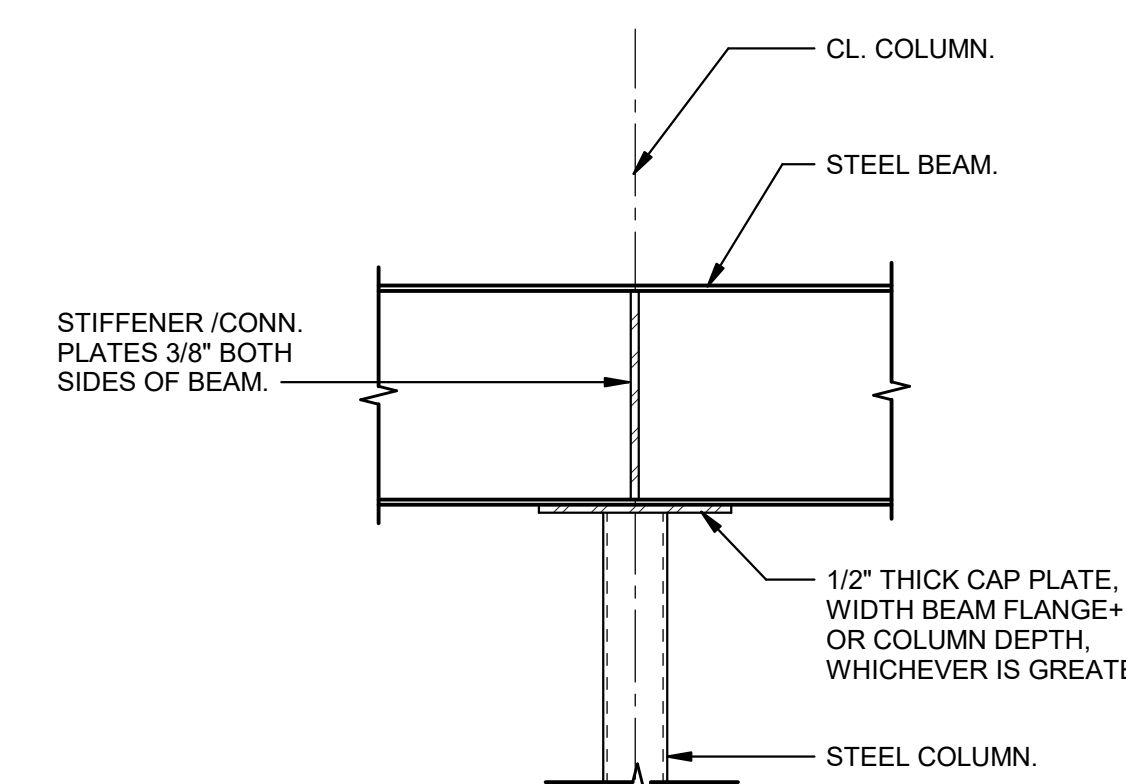
C2 SLAB EDGE PLATE
S-901B 3/4" = 1'-0"



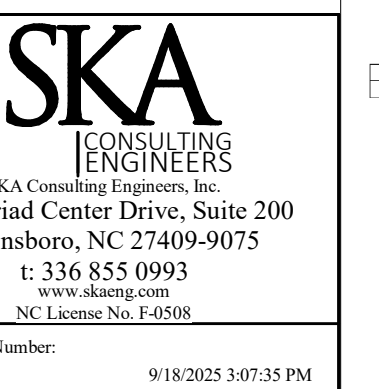
A8 STUD SPACING ON BEAM
S-901B 3/4" = 1'-0"



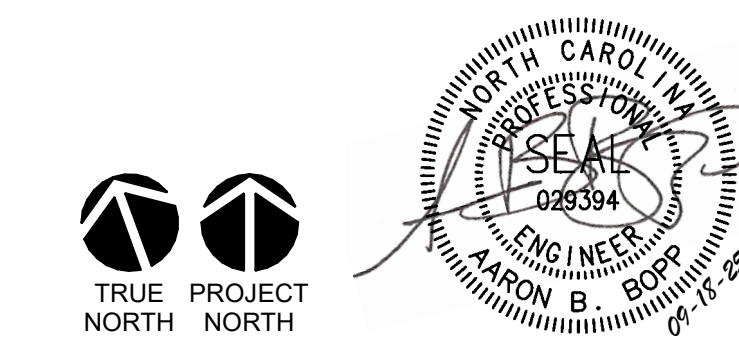
A6 SHEAR TAB CONNECTION AT COLUMN
S-901B 3" = 1'-0"



A4 TOP OF COLUMN
S-901B 1" = 1'-0"



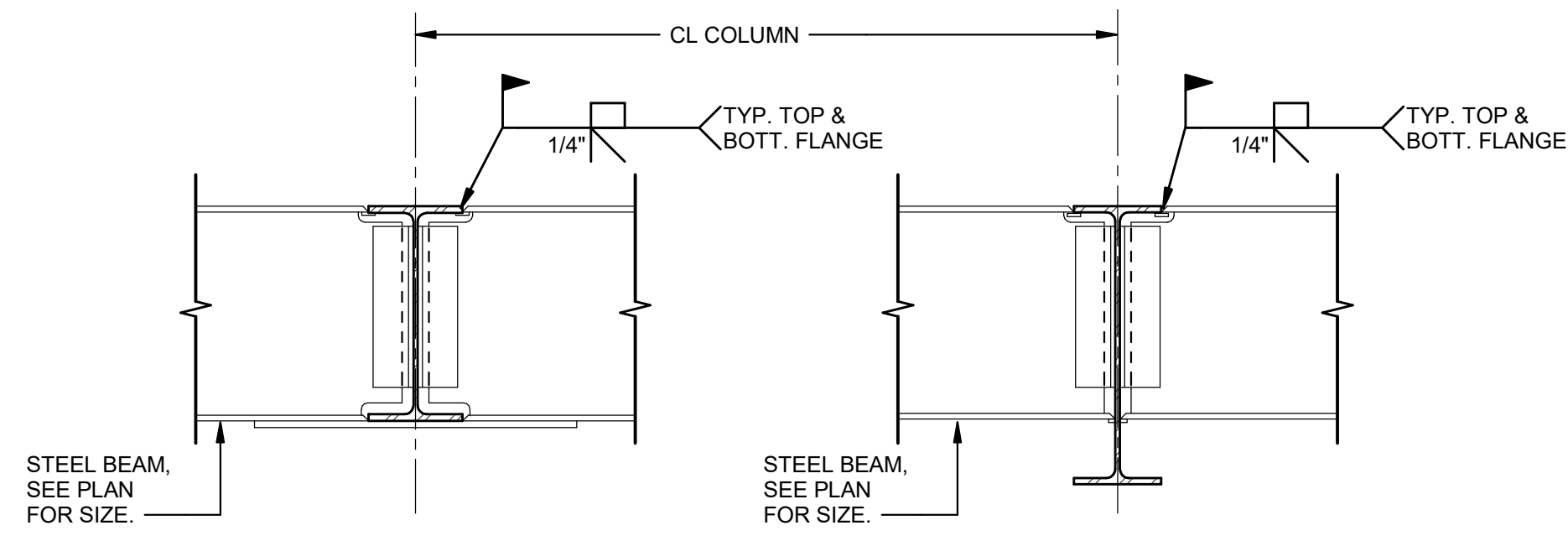
REV	DESCRIPTION	BY	CR#	APPROVAL	DATE
REVISIONS					
SIGNATURES		DATE			
DRAWN	KAT	09.08.2025			
CHECKED	AB	09.08.2025			
ENGR.	MS	09.08.2025			
ENGR.	AB	09.08.2025			
SCALE		ALL SURF. UNLESS OTHERWISE SPECIFIED			
2 PLACE DECIMALS		FRACTIONS		±	
3 PLACE DECIMALS		ANGLES		±	



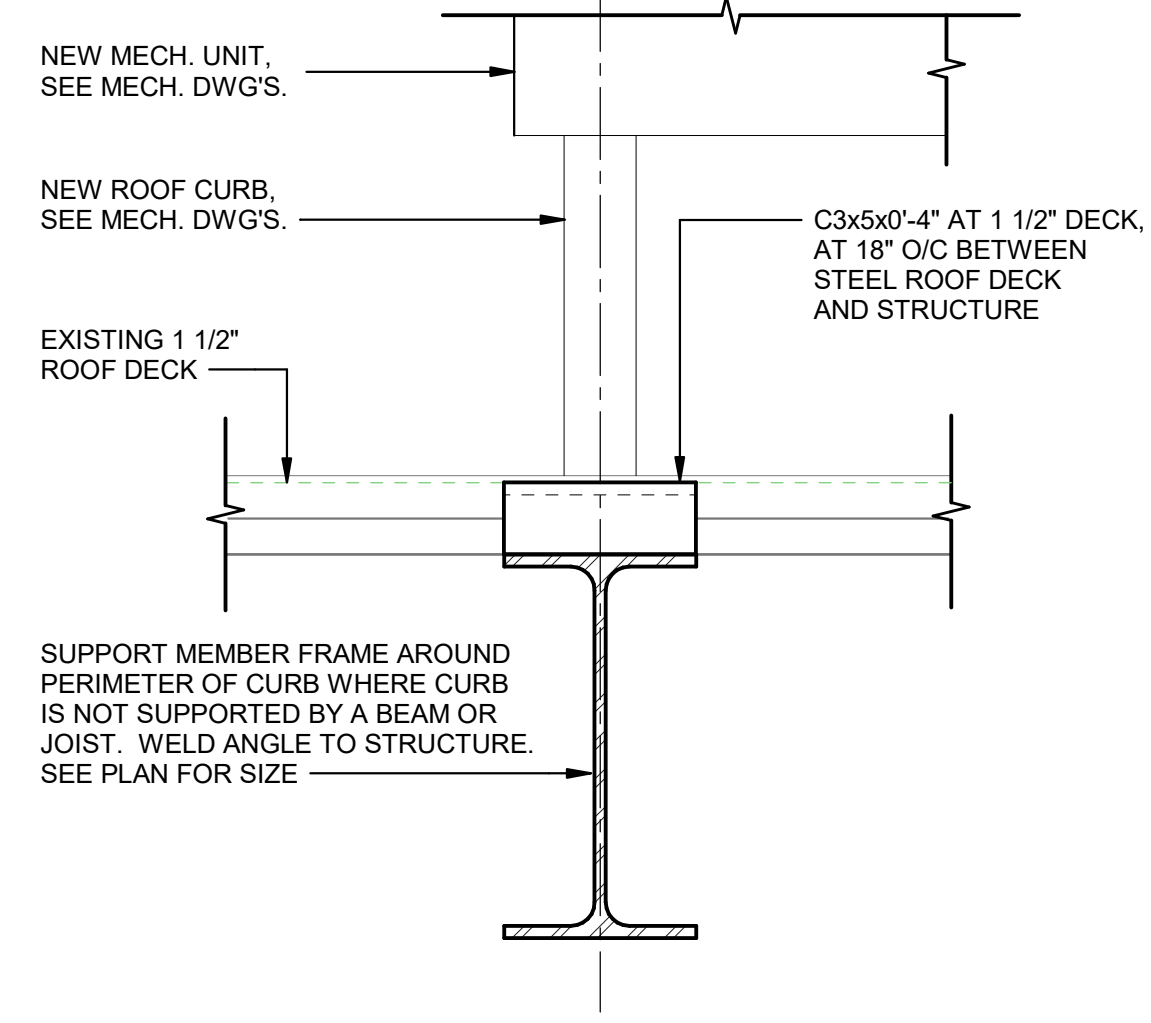
GE VERNOVA GE Hitachi Nuclear Energy
Wilmington, NC

GE VERNOVA-FMO
FRAMING TYPICAL DETAILS
AND SCHEDULES

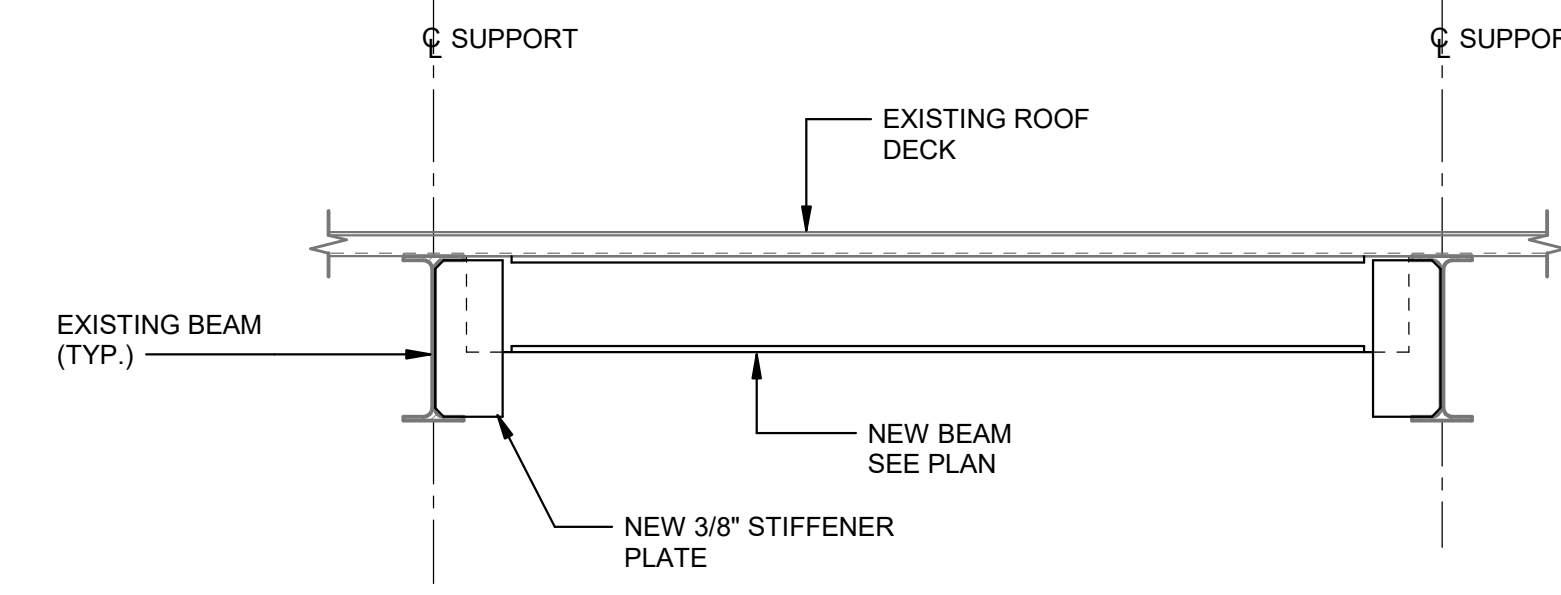
S-901B



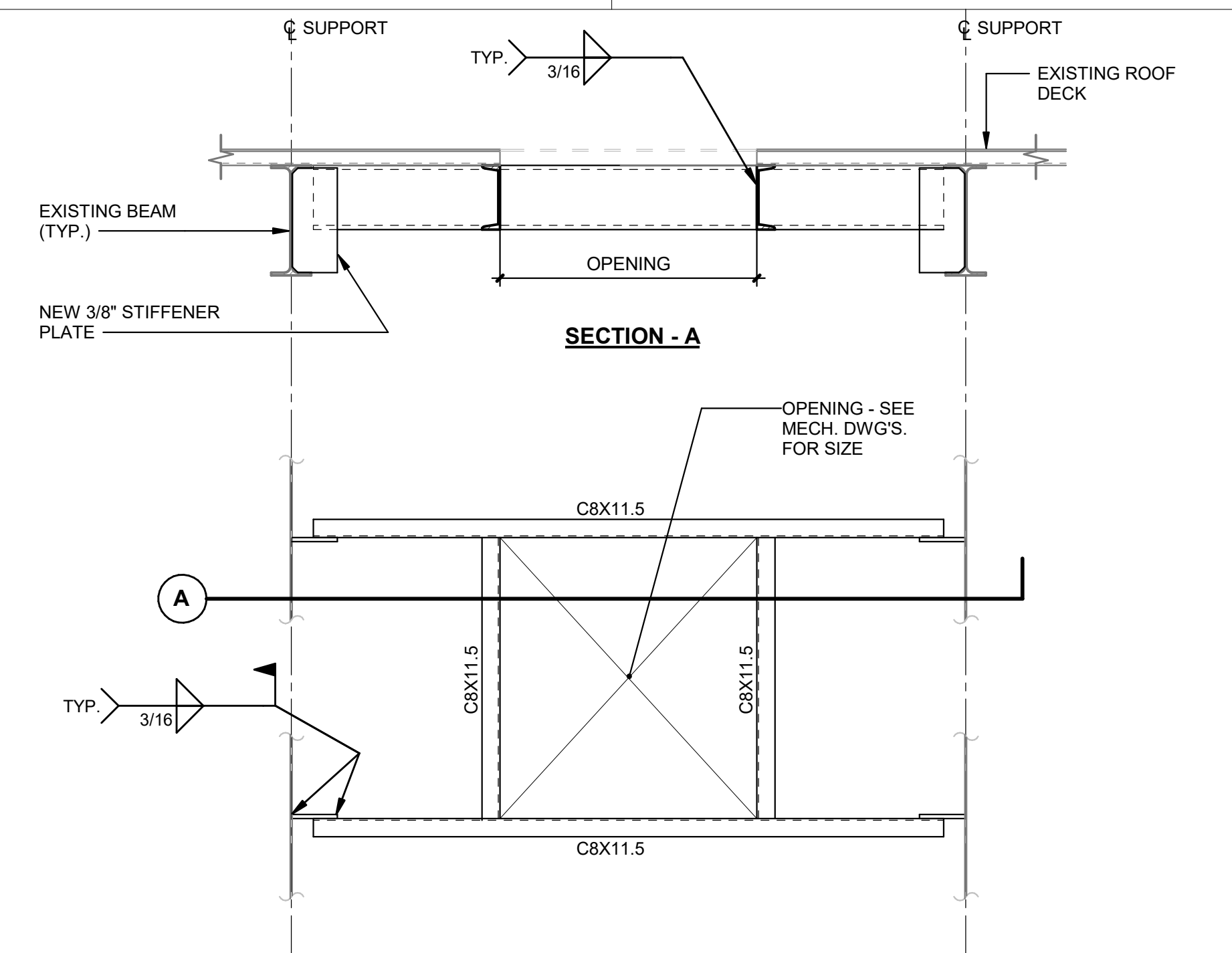
H1
S-902B
MOMENT CONNECTION AT BEAM
1" = 1'-0"



H6
S-902B
NEW FRAMING BELOW NEW ROOF CURBS & EXSITNG DECK
3" = 1'-0"



H4
S-902B
NEW ROOF TOP UNIT SUPPORT AT EXISTING ROOF
3/4" = 1'-0"

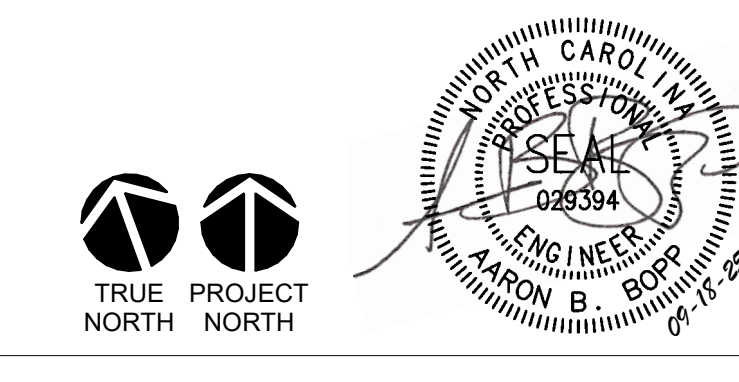


H2
S-902B
CHANNEL ROOF OPENING FRAME AT EXISTING ROOF
3/4" = 1'-0"



REV	DESCRIPTION	BY	CR#	APPROVAL	DATE
REVISIONS					
SIGNATURES		DATE			
DRAWN	KAT	09.08.2025			
CHECKED	AB	09.08.2025			
ENGR	MS	09.08.2025			
ENGR	AB	09.08.2025			
SCALE		ALL SURF. ✓			
*UNLESS OTHERWISE SPECIFIED		FRACTIONS			
2 PLACE DECIMALS	±	FRACTIONS			
3 PLACE DECIMALS	±	ANGLES			
		±			

REFERENCE DRAWINGS	DATE



GE VERNOVA GE Hitachi Nuclear Energy
Wilmington, NC

GE VERNOVA-FMO
FRAMING TYPICAL DETAILS
AND SCHEDULES

2025.09.18

S-902B

