

8/2/2024

Pender County Schools
Highway 210, Hampstead, NC 28443

Table with 2 columns: DATE, DESCRIPTION. Includes Project No. 83130 and August 2, 2024.

GENERAL NOTES AND LEGENDS

S0.0.1

STRUCTURAL STEEL

- 1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING AISC DOCUMENTS:
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC MANUAL FOR STEEL CONSTRUCTION...

CONCRETE MASONRY UNITS (CMU)

- 1. ALL MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF TMS 402 'BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES WITH COMMENTARY' AND TMS 602 'SPECIFICATIONS FOR MASONRY STRUCTURES WITH COMMENTARY'.
2. NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY (Fm) SHALL BE 2000 PSI...

Table with 2 columns: BAR SIZE, INCHES. Lists #4 BAR AND SMALLER (26 INCHES), #5 BAR (34 INCHES), #6 BAR (38 INCHES), #7 BAR (45 INCHES).

- 9. PROVIDE POSITIONERS TO HOLD VERTICAL WALL REINFORCING STEEL IN PROPER ALIGNMENT.
10. REINFORCING STEEL SHALL COMPLY WITH ASTM A615, GRADE 60.
11. AVOID PLACING CONDUIT IN CELLS CONTAINING STRUCTURAL REINFORCING, WHERE POSSIBLE.

ACI 318 LAP LENGTHS

SPICES IN THE REINFORCING STEEL SHALL BE ONLY AT THE LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS. LAP SPICES SHALL BE IN ACCORDANCE WITH ACI 318 CHAPTER 25 AS INDICATED BELOW...

Table with columns: NORMAL WEIGHT (145 PCF), LIGHTWEIGHT (110 PCF). Rows include #3, #4, #5, #6, #7, #8, #9 for various lengths.

FIBER REINFORCING

- 1. SYNTHETIC MACRO-FIBER MAY BE SUBSTITUTED FOR WELDED WIRE FABRIC IN SLAB-ON-GRADE AND SHALL CONFORM TO ASTM C1116, TYPE III SYNTHETIC FIBER REINFORCED CONCRETE.
2. FIBER SHALL BE ADDED AT THE CONCRETE BATCH PLANT.

FLOWABLE FILL

- 1. CONTROLLED LOW STRENGTH MATERIAL (CLSM), ALSO REFERRED TO AS FLOWABLE FILL, MAY BE SUBMITTED FOR APPROVAL AS A SUBSTITUTE FOR COMPACTED FILL AT FOUNDATION UNDERCUT LOCATIONS...

GENERAL

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE (NCBC), 2018 EDITION.
2. THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.

FOUNDATIONS

- 1. FOUNDATIONS ARE DESIGNED TO BEAR ON ORIGINAL UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL THAT HAS BEEN SURCHARGED IN ACCORDANCE WITH GEOTECHNICAL REPORT #23060152.
2. THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY SHALL VERIFY BEARING CAPACITY AND SUITABILITY OF SUBGRADE PRIOR TO PLACING FOUNDATIONS AND GRADE SLABS.

CONCRETE

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE' AND ACI 301 'STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE'.
2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN ULTIMATE 28 DAY COMPRESSIVE STRENGTHS (F'c), AS FOLLOWS:

Table: CONCRETE MATERIAL SCHEDULE (NOTE 11). Columns: BUILDING ELEMENT, DURABILITY REQUIREMENTS, F'c (psi), AIR ENTRAINMENT, UNIT WEIGHT, MAX AGGREGATE, CEMENT, CL %.

- 3. THE DURABILITY EXPOSURE CLASS IDENTIFIED BY THE ENGINEER OF RECORD, IN ACCORDANCE WITH ACI 318, FOR EACH MIX DESIGN/BUILDING ELEMENT AND EXPOSURE CLASS, IS BASED ON ASSIGNED SEVERITY OF THE ANTICIPATED EXPOSURE.
4. MAX W/C REFERS TO MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO...

- 4. EXPOSURE CATEGORIES: (F) FREEZE/THAW, (S) SULFATE, (W) WATER/PERMEABILITY, (C) CORROSION PROTECTION.
5. TARGET AIR ENTRAINMENT, ±1.5%. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED.
6. DRY UNIT WEIGHT ≥ 5 PCF, AGGREGATES TO CONFORM TO ASTM C33 FOR NORMAL WEIGHT CONCRETE.

- 13. MINIMUM CONCRETE COVER OVER REINFORCING SHALL BE UNO: A. UNFORMED SURFACE CAST AGAINST EARTH, B. FORMED SURFACE EXPOSED TO EARTH/WEATHER, C. FORMED SLABS AND WALLS NOT EXPOSED TO EARTH/WEATHER FOR #11 AND SMALLER BAR, D. ALL OTHER FORMED ELEMENTS NOT EXPOSED TO EARTH/WEATHER.

DESIGN LOAD DATA

Table with columns: CLASSIFICATION OF BUILDING RISK CATEGORY, FLOOR LIVE LOADS, OFFICES, CLASSROOMS, LOBBIES AND FIRST FLOOR CORRIDORS, LIGHT STORAGE MECHANICAL ROOMS, LIBRARIES, STACK ROOM, READING ROOM, STAIRS, HANDRAILS AND GUARDS.

CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA. REDUCTION OF FLOOR LIVE LOAD HAS BEEN UTILIZED FOR...

Table with columns: ROOF LIVE LOADS, MINIMUM ROOF LIVE LOAD, CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.

Table with columns: SUPERIMPOSED DEAD LOADS, ROOF, PENHOUSE, MECHANICAL AREAS STORAGE, STAIRS, ALL FRAMED FLOORS, U.N.O., PHOTOVOLTAIC PANEL SYSTEMS.

Table with columns: ROOF SNOW LOAD, GROUND SNOW LOAD (Pg), IMPORTANCE FACTOR (Is), EXPOSURE FACTOR (Ce), THERMAL FACTOR (Ct), MINIMUM P FOR Pp = 20 PSF OR LESS.

Table with columns: WIND DESIGN DATA, ULTIMATE DESIGN WIND SPEED (3 SECOND GUST), NOMINAL DESIGN WIND SPEED (3 SECOND GUST), EXPOSURE, INTERNAL PRESSURE COEFFICIENT (GCp), COMPONENTS AND CLADDING WIND PRESSURE.

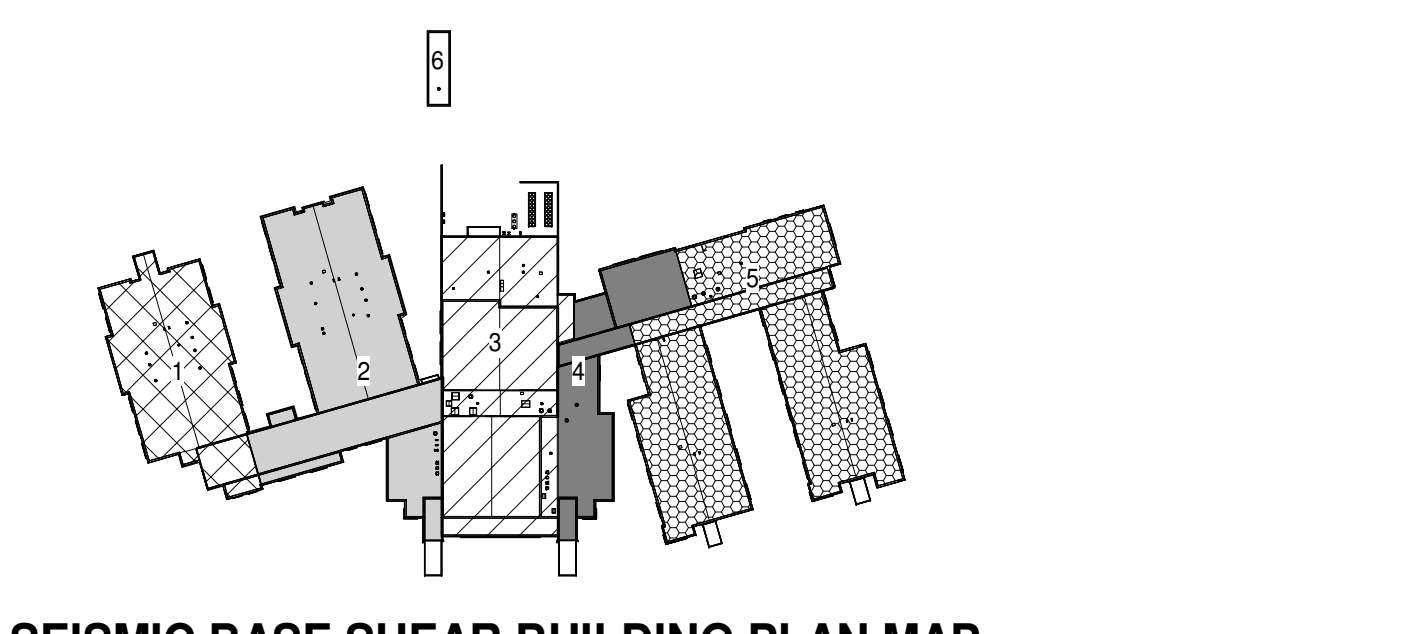
Table with columns: SEISMIC DESIGN DATA, SEISMIC DESIGN CATEGORY, SEISMIC IMPORTANCE FACTOR (Is), SITE CLASS, MAPPED SPECTRAL RESPONSE ACCELERATIONS (Ss), DESIGN SPECTRAL RESPONSE ACCELERATIONS (Sds).

BASIC SEISMIC FORCE RESISTING SYSTEM: 8. INTERMEDIATE REINFORCED MASONRY SHEAR WALLS

ALL STEEL SYSTEMS ARE: A. BEARING WALL SYSTEM, B. BUILDING FRAME SYSTEMS, C. MOMENT RESISTING FRAME SYSTEMS.

Table with columns: RESPONSE MODIFICATION COEFFICIENT (R), SYSTEM OVERSTRENGTH FACTOR, DEFLECTION AMPLIFICATION FACTOR, SEISMIC RESPONSE COEFFICIENT (Cs), DESIGN BASE SHEAR (V = Cs x W).

Table with columns: LATERAL EARTH PRESSURE (EQUIVALENT FLUID PRESSURES), AT REST (BRACED WALLS), ACTIVE (CANTILEVERED WALLS), PASSIVE, SLIDING FRICTION COEFFICIENT.



SEISMIC BASE SHEAR BUILDING PLAN MAP 1" = 200'-0"

- 8. LATERAL EARTH PRESSURE (EQUIVALENT FLUID PRESSURES): AT REST (BRACED WALLS), ACTIVE (CANTILEVERED WALLS), PASSIVE, SLIDING FRICTION COEFFICIENT.

STRUCTURAL MATERIALS LEGEND

Table with columns: Material Name, Symbol. Includes Earth, Cast in Place Concrete, Clay Brick, Hollow Concrete Block, Split-Face Concrete Block, Grout Filled Concrete Block, Precast Concrete, Cast Stone, Porous Fill or Granular Base Course, CMU Shear Wall.

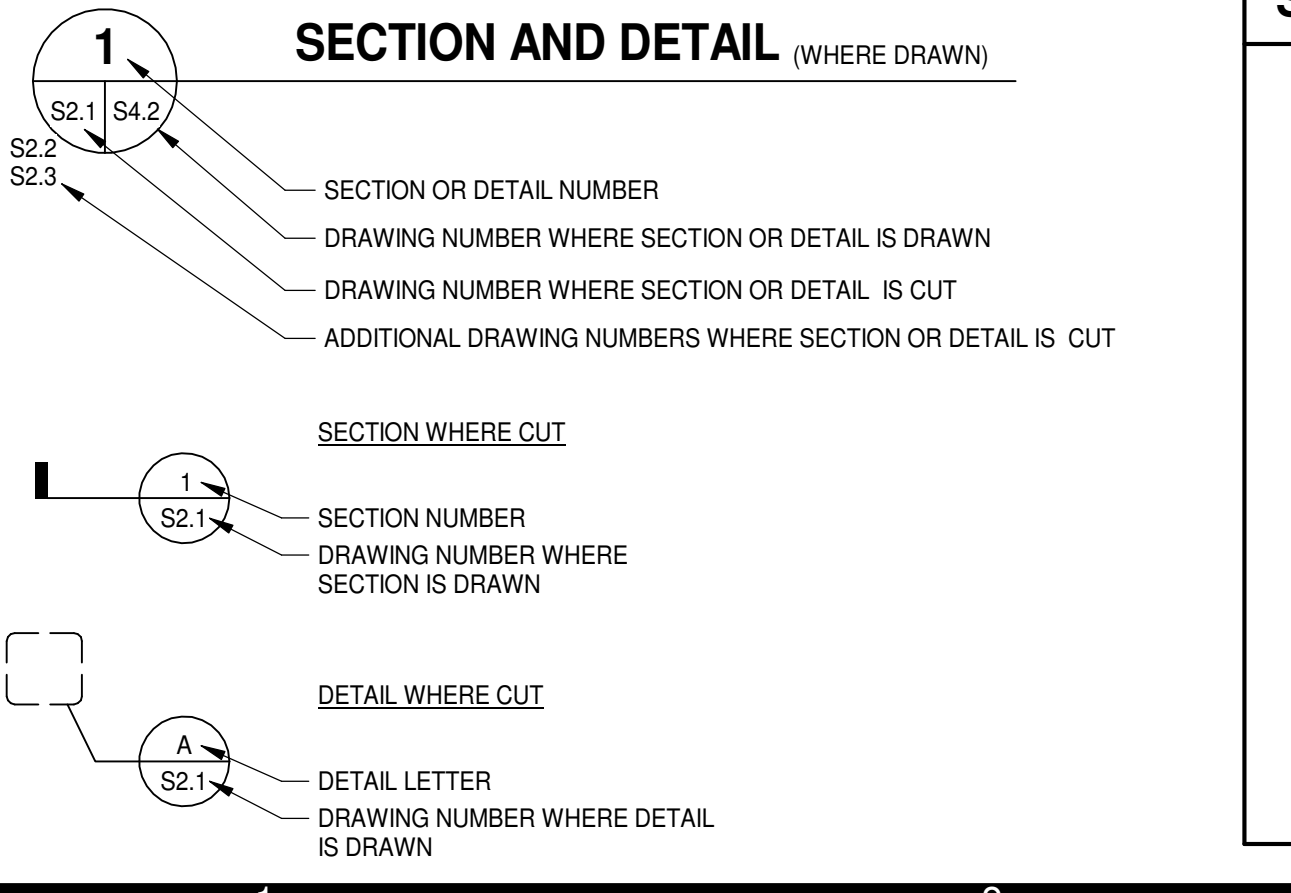
STRUCTURAL ABBREVIATIONS

Table with columns: Abbreviation, Description, Abbreviation, Description. Includes AB ANCHOR BOLT, AESS ARCHITECTURALLY EXPOSED, AFF STRUCTURAL STEEL ABOVE FINISHED FLOOR, ALUM ALUMINUM, APPROX APPROXIMATE, ARCH ARCHITECTURAL ARCHITECT, AVG AVERAGE, BLDG BUILDING, BM BEAM, BMC BUILDING MOUNTED CANOPIES, BOT BOTTOM, BRG BEARING, BTWN BETWEEN, CANT CANTILEVER, CFSF COLD FORMED STEEL FRAMING, CIP CAST IN PLACE, CJ CONTROL JOINT, CLG CEILING, CLR CLEAR, CMU CONCRETE MASONRY UNIT, COL COLUMN, CONC CONCRETE, CONN CONNECTION, CONSTR CONSTRUCTION, CONT CONTINUOUS, CNTR CENTER, DBA DEFORMED BAR ANCHOR, DBL DOUBLE, DIA DIAMETER, DIAG DIAGONAL, DIM DIMENSION, DN DOWN, DWG DRAWING, EA EACH FACE, EXP EXPANSION, EXPJ EXPANSION JOINT, ELEV ELEVATION, ELCT ELECTRICAL, ELEV ELEVATOR, EOD EDGE OF DECK, EOS EDGE OF SLAB, EQ EQUAL, EW EACH WAY, EX EXISTING, EXPN EXPANSION, EXT EXTERIOR, FB FIXED BASE, FD FLOOR DRAIN, FDN FOUNDATION, FF FINISHED FLOOR, FIN FINISHED, FLR FLOOR, FOB FACE OF BRICK, FOC FACE OF CONCRETE, FOM FACE OF MASONRY, FRMG FRAMING, FRF FIRE RETARDANT TREATED, FT FOOT, FTG FOOTING, GA GAGE, GALV GALVANIZED, GB GRADE BEAM, GC GENERAL CONTRACTOR, GRD GRADE, HD HEADED, HK HOOK, HORIZ HORIZONTAL, HS HIGH STRENGTH.

PLAN LEGEND

Table with columns: Symbol, Description. Includes CENTERLINE, JOIST BEARING ELEVATION, BEAM BEARING PLATE, COLUMN BASE PLATE, CONCRETE PIER, JOIST SUBSTITUTE, CONSTANT SHEAR JOIST, SPECIAL JOIST, WALL FOOTING STEP, TOP OF FOOTING ELEVATION, WORK POINT, TOP OF SLAB ELEVATION, LINTEL, COLUMN FOOTING, TOP OF STEEL BEAM ELEVATION, INDICATES TOP OF STRUCTURAL MEMBER SHALL BE IN SAME PLANE AS TOP OF JOIST, INDICATES TOP OF STRUCTURAL MEMBER SHALL BE SLOPED, WALL FOOTING, THICKENED SLAB, STEEL JOIST BOTTOM CHORD EXTENSION, WELDED, STEEL BEAM MOMENT CONNECTION, EXISTING, TRANSFER FORCE, CMU WALL REINFORCING SIZE AND SPACING, CHANGE IN SLAB ELEVATION, TOP CHORD EXTENSION.

LEGEND FOR SECTION AND DETAIL MARKS



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1 2 3 4 5 6 7 8 9 10

POST INSTALLED ANCHORS & DOWELS

- INSTALL ALL ANCHORS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED PROCEDURES AT NOT LESS THAN THE MINIMUM EDGE DISTANCES INDICATED IN THE MANUFACTURER'S LITERATURE. SUBMIT MANUFACTURER'S PRODUCT DATA FOR REVIEW BY THE ARCHITECT.
- ALL ANCHORS (INCLUDING THREADED RODS, NUTS, WASHERS) SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633, FOR SERVICE CONDITION SC-1.
- SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING:
 - SCREW-BOLT + BY DEWALT
 - TITEN HD, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - Kwik HUS-EZ, BY HILTI

HOLE DIAMETER THROUGH STEEL MEMBER SHALL BE AS REQUIRED BY ANCHOR MANUFACTURER.

MINIMUM SCREW ANCHOR EMBEDMENTS SHALL BE AS FOLLOWS, UNO:

 - 4" EMBEDMENT FOR 1/2" DIAMETER ANCHOR
 - 5" EMBEDMENT FOR 5/8" DIAMETER ANCHOR
 - 6" EMBEDMENT FOR 3/4" DIAMETER ANCHOR
- ADHESIVE ANCHORS SHALL CONSIST OF THREADED ROD (ASTM A36), HEX NUT (ASTM A563), WASHER (ASTM F436), AND ADHESIVE (TYPE PER NOTES A, B OR C BELOW).

ADHESIVE DOWELS SHALL CONSIST OF DEFORMED REINFORCING BAR (ASTM A615, GRADE 60) AND ADHESIVE (TYPE PER NOTE A BELOW)

 - A. "ADHESIVE ANCHORS" OR "ADHESIVE DOWELS" INSTALLED IN SOLID CONCRETE SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:
 - HYBRID (FAST CURE)
 - AC208- BY DEWALT
 - AT-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - HIT-HY 200-V3, BY HILTI
 - EPOXY (SLOW CURE)
 - PURE 110-, BY DEWALT
 - SET-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - HIT RE 500-V3 EPOXY ADHESIVE, BY HILTI
 - B. "ADHESIVE ANCHORS" INSTALLED IN SOLID GROUT FILLED CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:
 - HIT-HY 270, BY HILTI
 - AC 100- GOLD, BY DEWALT
 - SET-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - C. "SCREEN TUBE ANCHORS" INSTALLED IN HOLLOW CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:
 - HIT-HY 270, BY HILTI
 - AC 100- GOLD, BY DEWALT
 - SET-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS

BASIS OF DESIGN INCLUDES THE FOLLOWING DESIGN PARAMETERS:

 - (1) CRACKED CONCRETE
 - (3) ALLOWABLE WITH HAMMER-DRILL, HOLLOW DRILL BIT SYSTEM, AND CORE DRILLING METHODS
 - (4) CURRENT ICC-ES REPORT WITH APPROVAL FOR DEVELOPMENT OF BAR USING ACI PROVISIONS FOR EMBEDMENT DEPTHS GREATER THAN 20 BAR DIAMETERS

INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.

OVERHEAD ADHESIVE ANCHORS SHALL BE INSTALLED USING A PISTON PLUG SYSTEM.

FOR PROJECTS MEETING IBC 2012 OR LATER, ACICRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION IS REQUIRED FOR ALL INSTALLERS OF ADHESIVE ANCHORS IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATION. THE HILTI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM (HAAICP) IS AN APPROVED EQUIVALENT.

THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD SHALL RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.

COMPOSITE BEAMS

- COMPOSITE BEAMS AND GIRDERS DO NOT REQUIRE TEMPORARY SHORING FOR CONSTRUCTION LOADS (WET CONCRETE + 20 PSF) UNO. CONTRACTOR IS RESPONSIBLE FOR LIMITING THE CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE.
- STUDS SHALL BE 3/4" DIAMETER AND SHALL EXTEND NOT LESS THAN 1 1/2" ABOVE THE TOP OF THE STEEL DECK AND SHALL NOT HAVE LESS THAN 1/2" CONCRETE COVER ABOVE THE TOP OF STUD AFTER WELDING.
- THE NUMBER STUDS ON A BEAM OR BETWEEN ANY TWO CONNECTIONS ALONG A BEAM IS SHOWN ON THE DRAWINGS. SPACING OF STUDS WITHIN THE LENGTH SHOWN SHALL BE AS UNIFORM AS POSSIBLE.
- NO SHOP PAINT SHALL BE APPLIED TO ANY STUDS NOR TO TOP FLANGES OR SURFACES OF MEMBERS RECEIVING FIELD WELDED STUDS.
- BREAK CERAMIC FERRULES (ARC SHIELDS) LOOSE AND REMOVE FROM DECK.
- A STUD SHEAR CONNECTOR WELDED THROUGH THE METAL DECK MAY TAKE THE PLACE OF A 3/4" PLUG WELD IN ORDER TO SECURE THE DECK TO THE STEEL FRAMING. DO NOT WELD SHEAR CONNECTORS THROUGH TWO LAYERS (LAPPED ENDS) OF DECK UNITS.
- PLACE CONCRETE MONOLITHICALLY ON STEEL FLOOR DECK. CONSTRUCTION JOINTS MAY BE PERMITTED ONLY AFTER APPROVAL OF THE ARCHITECT/STRUCTURAL ENGINEER.
- CONCRETE THICKNESS INDICATED ON THE FLOOR DECK IS A MINIMUM THICKNESS AND MAY BE INCREASED TO MAINTAIN A LEVEL SURFACE AS FLOOR FRAMING DEFLECTS DURING CONCRETE PLACEMENT.

MOSELEYARCHITECTS

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8/2/2024

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: August 2, 2024

REVISIONS

DATE DESCRIPTION

DATE	DESCRIPTION

GENERAL NOTES AND LEGENDS

S0.0.2

SCHEDULE OF SPECIAL INSPECTIONS
2018 NCBC

Table with columns: Inspections & Testing, Continuous Periodic, Y/N, Reference Standard or Compliance Document, Agent. Includes sections for Inspection Agents, 1704.2.4 Report Requirement, 1704.2.5 Inspection of Fabricated Items, 1704.4 Contractor Responsibility, 1704.5 Submittals to the Building Official, 1705.2 Steel Construction, 1705.3 Masonry Construction, 1705.4 Cast-In-Place Deep Foundations, 1705.5 Wood Construction, 1705.6 Soils, 1705.7 Driven Deep Foundations, 1705.8 Cast-In-Place Deep Foundations, 1705.9 Helical Piles, 1705.10 Testing and Qualification for Seismic Resistance, 1705.11 Wind Resistance, 1705.12 Seismic Resistance, 1705.13 Testing and Qualification for Seismic Resistance, 1705.14 Sprayed Fire-Resistant Materials (SFRM), 1705.15 Mastic and Intumescent Fire-Resistant Coatings, 1705.16 Exterior Insulation and Finish Systems (EIFS), 1705.17 Fire-resistant Penetrations and Joints, 1705.18 Smoke Control.

Table with columns: Inspections & Testing, Continuous Periodic, Y/N, Reference Standard or Compliance Document, Agent. Includes sections for Nondestructive Testing (AISC 360-10 Section N5.5), Welding (AISC 360-10 Table N5.4-1), Welding (AISC 360-10 Table N5.4-2), Welding (AISC 360-10 Table N5.4-3), 1705.2.2 Cold-Formed Steel Deck, 1705.2.3 Open-Web Steel Joists and Joist Girders, 1705.2.4 Cold-Formed Steel Trusses Spanning 60-feet or Greater, 1705.3 Masonry Construction, 1705.4 Cast-In-Place Deep Foundations, 1705.5 Wood Construction, 1705.6 Soils, 1705.7 Driven Deep Foundations, 1705.8 Cast-In-Place Deep Foundations, 1705.9 Helical Piles, 1705.10 Testing and Qualification for Seismic Resistance, 1705.11 Wind Resistance, 1705.12 Seismic Resistance, 1705.13 Testing and Qualification for Seismic Resistance, 1705.14 Sprayed Fire-Resistant Materials (SFRM), 1705.15 Mastic and Intumescent Fire-Resistant Coatings, 1705.16 Exterior Insulation and Finish Systems (EIFS), 1705.17 Fire-resistant Penetrations and Joints, 1705.18 Smoke Control.

Table with columns: Inspections & Testing, Continuous Periodic, Y/N, Reference Standard or Compliance Document, Agent. Includes sections for 1705.3 Concrete Construction, 1705.4 Cast-In-Place Deep Foundations, 1705.5 Wood Construction, 1705.6 Soils, 1705.7 Driven Deep Foundations, 1705.8 Cast-In-Place Deep Foundations, 1705.9 Helical Piles, 1705.10 Testing and Qualification for Seismic Resistance, 1705.11 Wind Resistance, 1705.12 Seismic Resistance, 1705.13 Testing and Qualification for Seismic Resistance, 1705.14 Sprayed Fire-Resistant Materials (SFRM), 1705.15 Mastic and Intumescent Fire-Resistant Coatings, 1705.16 Exterior Insulation and Finish Systems (EIFS), 1705.17 Fire-resistant Penetrations and Joints, 1705.18 Smoke Control.

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MOSELEY ARCHITECTS



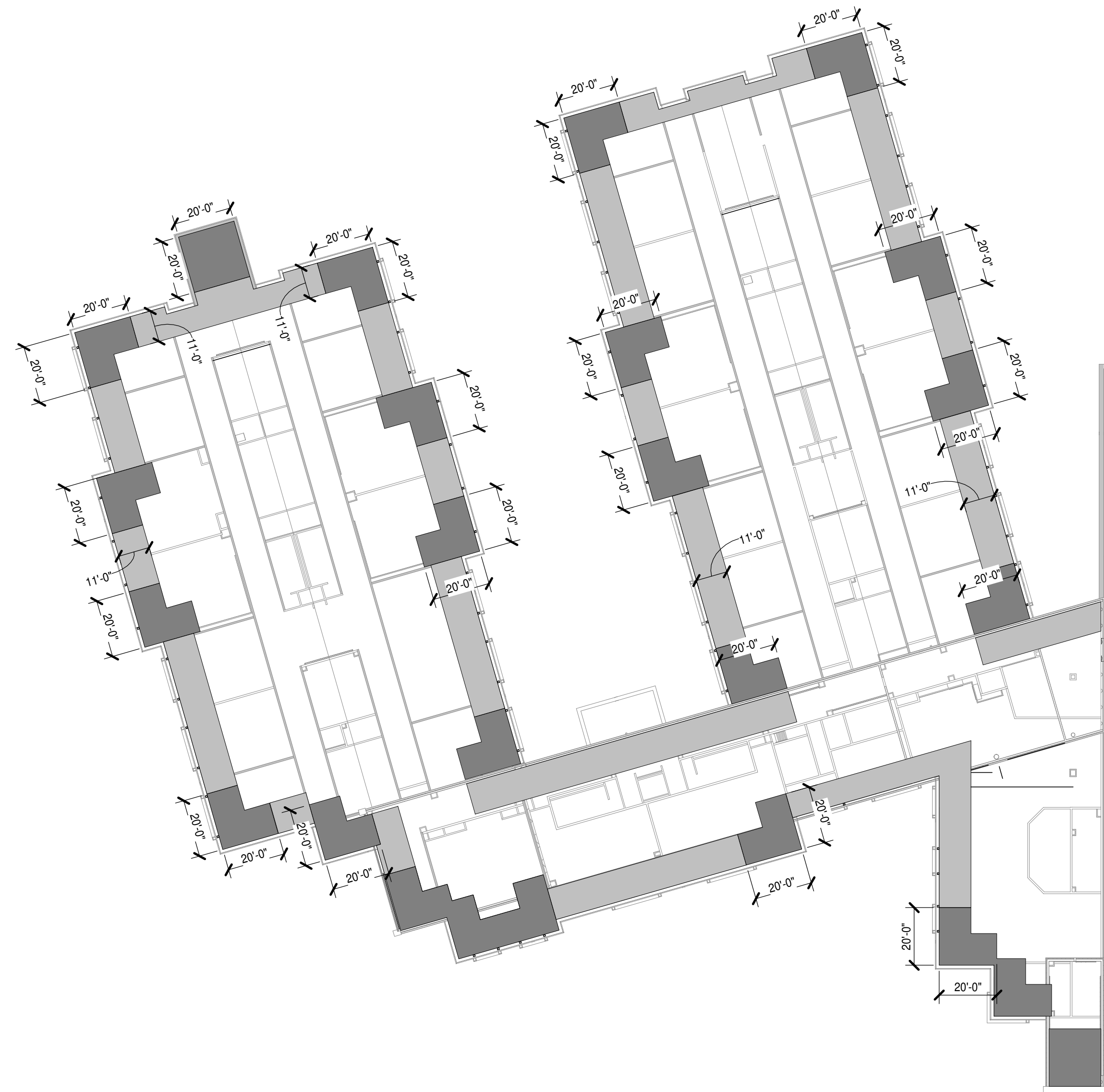
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PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
Highway 210, Hampstead, NC 28443

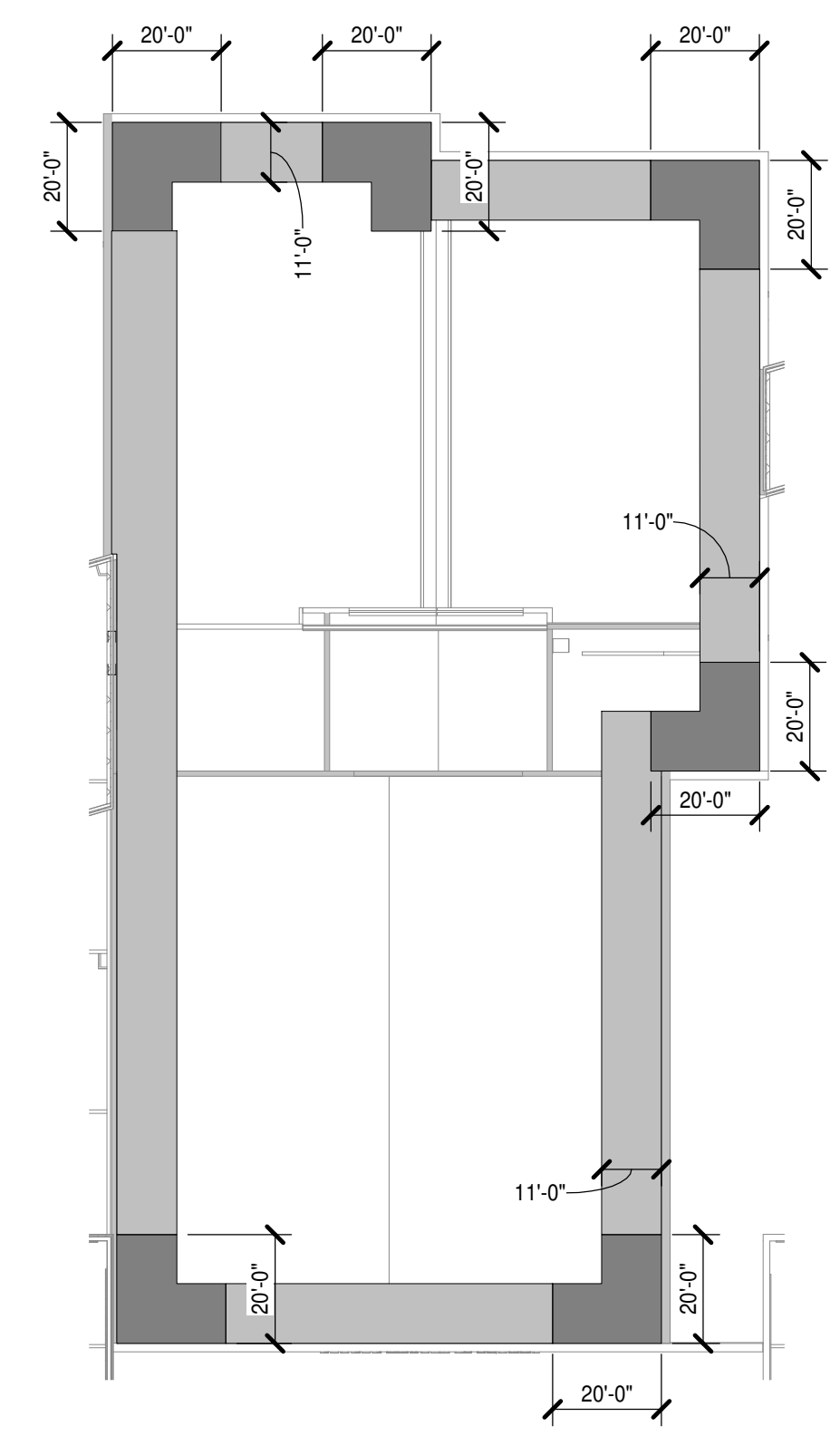
Table with columns: PROJECT NO., DATE, REVISIONS, DATE, DESCRIPTION. Includes project number 83130 and date August 2, 2024.

SPECIAL INSPECTION REPORTS - 2018 NCBC

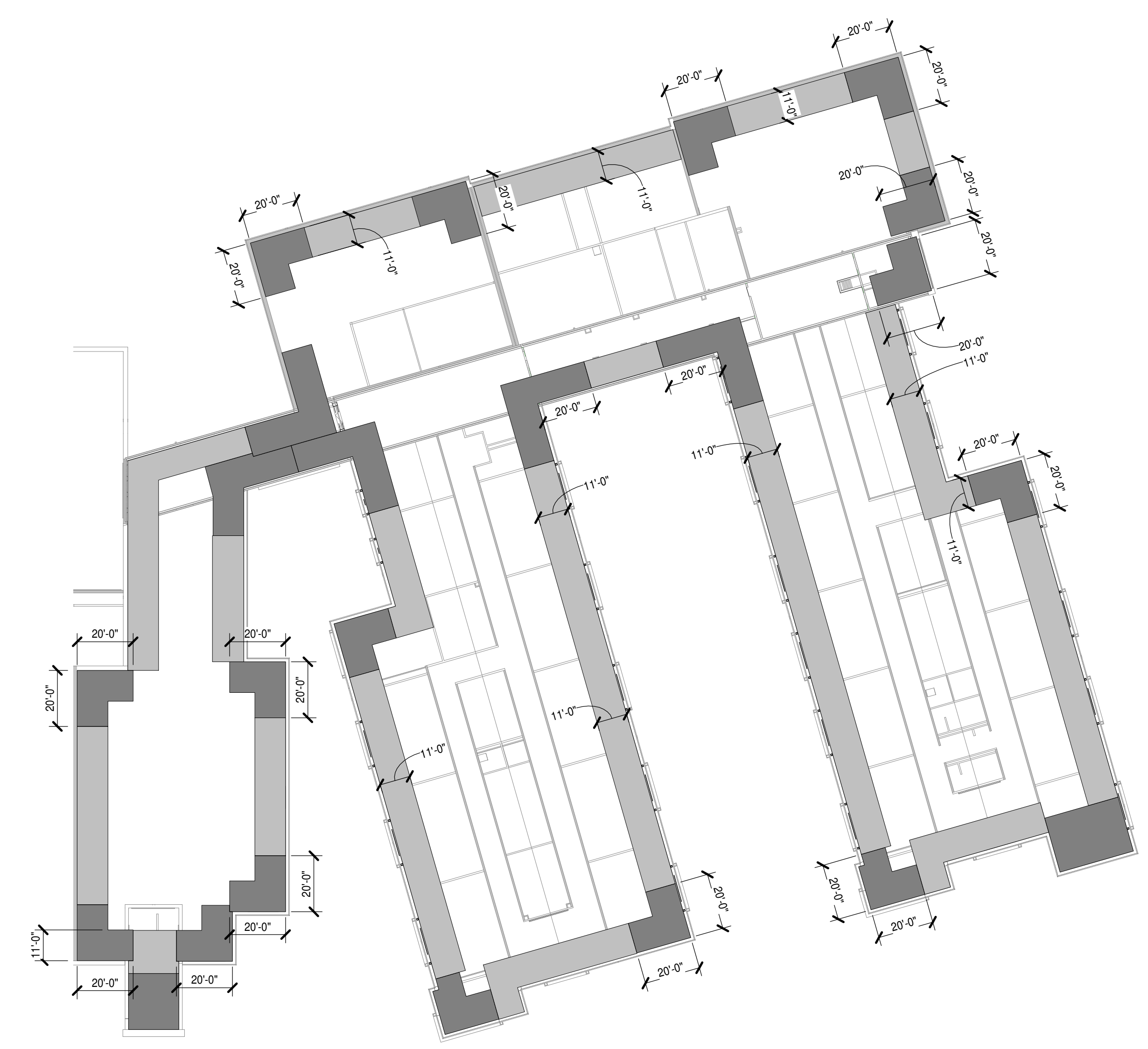
S0.0.3



1 ROOF WIND PRESSURE PLAN - PART 1 & 2
S0.0.4 1/32" = 1'-0"



ROOF WIND PRESSURE PLAN - PART 3
1/32" = 1'-0"



ROOF WIND PRESSURE PLAN - PART 4 & 5
1/32" = 1'-0"

COMPONENTS AND CLADDING DESIGN WIND PRESSURE (ALL VALUES ULTIMATE PSF)

ZONE	AREA ≤ 10 FT²	AREA ≤ 100 FT²	AREA ≤ 200 FT²	AREA > 500 FT²
1	14.9 / -58.4	11.8 / -45.6	11.8 / -41.8	11.8 / -36.7
2	14.9 / -77.1	11.8 / -60.6	11.8 / -55.7	11.8 / -49.1
3	14.9 / -105.1	11.8 / -72.1	11.8 / -62.2	11.8 / -49.1

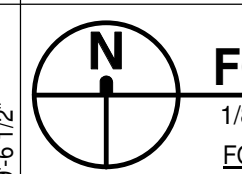
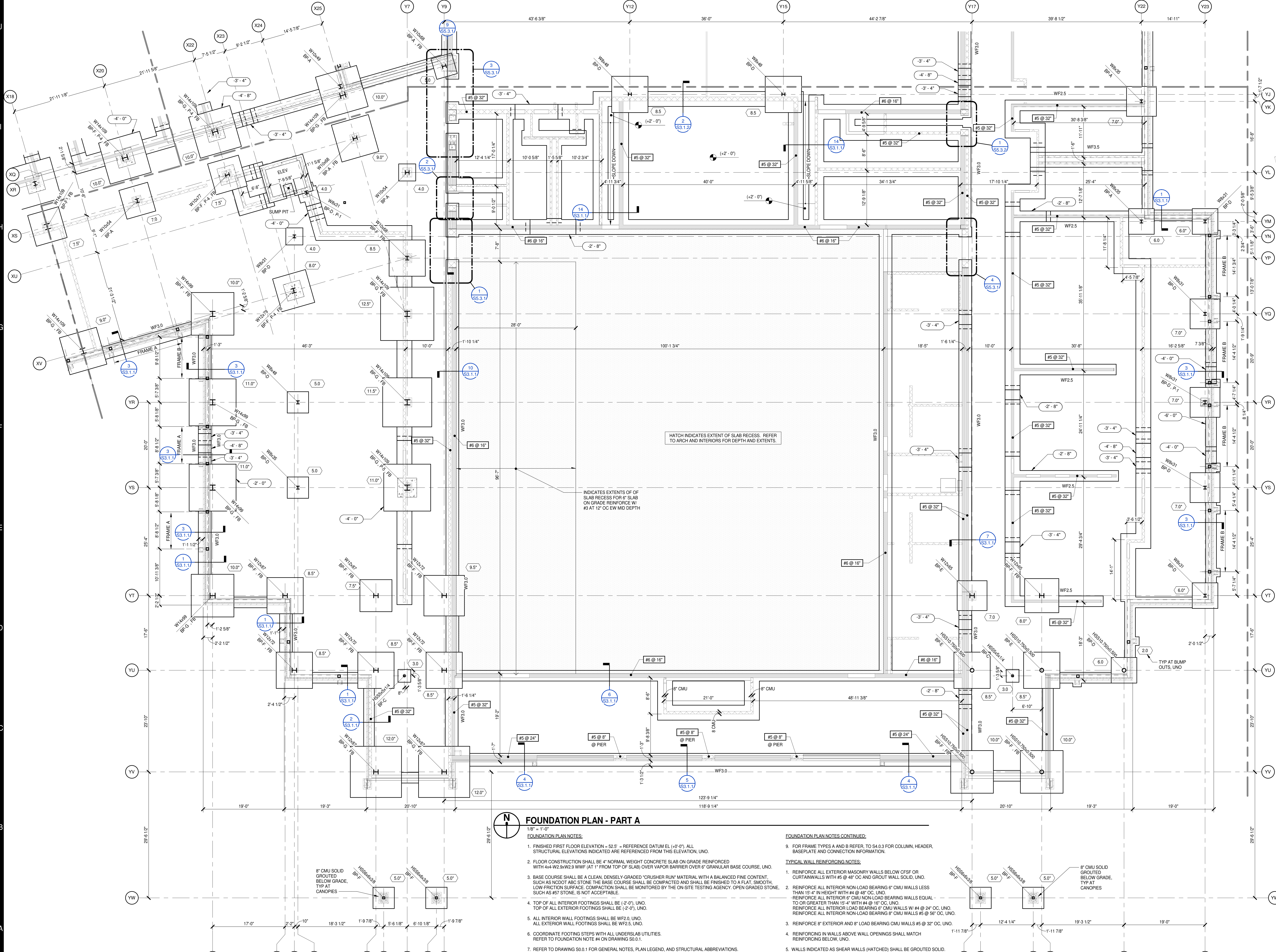
COMPONENTS AND CLADDING ROOF WIND PRESSURE DIAGRAM NOTES

- PRESSURES INDICATED ARE FOR ALLOWABLE STRESS DESIGN ASCE 7-16
- EFFECTIVE WIND AREA SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7-16
- REDUCTION FACTORS FOR EFFECTIVE WIND AREAS ARE ALLOWED AS DEFINED BY TABLE 30.6.2 OF ASCE 7-16
- ROOF ZONE 1 UNLESS NOTED OTHERWISE
- ZONE 2 IS INDICATED BY [Light Gray Box]
- ZONE 3 IS INDICATED BY [Dark Gray Box]
- (+) INDICATES PRESSURES ACTING TOWARD ROOF (INWARD)
(-) INDICATES PRESSURES ACTING AWAY FROM ROOF (OUTWARD)
- ROOF DEAD LOAD SHALL BE 10 PSF FOR UPLIFT CONSIDERATION



8/2/2024

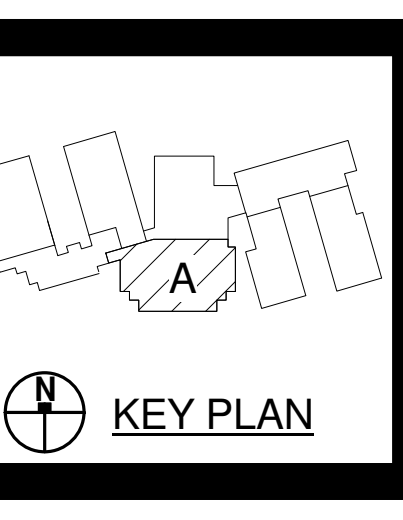
PROJECT NO:	631310
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DATE	DESCRIPTION



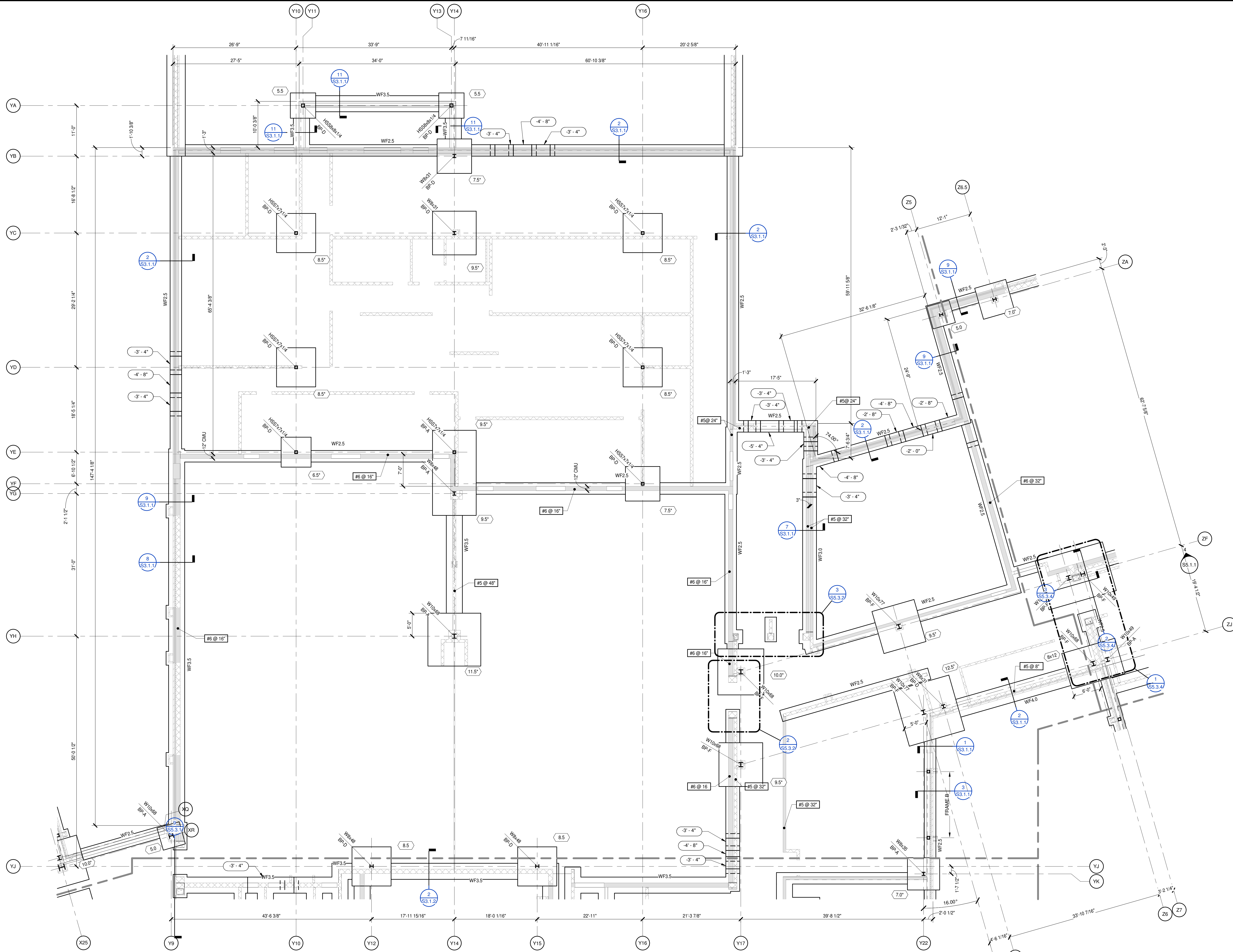
FOUNDATION PLAN - PART A

- 1/8" = 1'-0"
FOUNDATION PLAN NOTES:
1. FINISHED FIRST FLOOR ELEVATION = 52.5' = REFERENCE DATUM EL. (+0'-0"). ALL STRUCTURAL ELEVATIONS INDICATED ARE REFERENCED FROM THIS ELEVATION, UNO.
 2. FLOOR CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH 4x4-W2.9xW2.9 WWF (AT 1" FROM TOP OF SLAB) OVER VAPOR BARRIER OVER 6" GRANULAR BASE COURSE, UNO.
 3. BASE COURSE SHALL BE A CLEAN, DENSELY-GRADED "CRUSHER RUN" MATERIAL WITH A BALANCED FINE CONTENT, SUCH AS NCDOT ABC STONE. THE BASE COURSE SHALL BE COMPACTED AND FINISHED TO A FLAT, SMOOTH, LOW-FRICTION SURFACE. COMPACTION SHALL BE MONITORED BY THE ON-SITE TESTING AGENCY. OPEN GRADED STONE, SUCH AS #57 STONE, IS NOT ACCEPTABLE.
 4. TOP OF ALL INTERIOR FOOTINGS SHALL BE (-2'-0"), UNO. TOP OF ALL EXTERIOR FOOTINGS SHALL BE (-2'-0"), UNO.
 5. ALL INTERIOR WALL FOOTINGS SHALL BE WF2.5, UNO. ALL EXTERIOR WALL FOOTINGS SHALL BE WF2.5, UNO.
 6. COORDINATE FOOTING STEPS WITH ALL UNDERSLAB UTILITIES. REFER TO FOUNDATION NOTE #4 ON DRAWING S0.0.1.
 7. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
 8. REFER TO DRAWINGS S3.0.1 AND S3.0.2 FOR TYPICAL FOUNDATION DETAILS AND SCHEDULES.

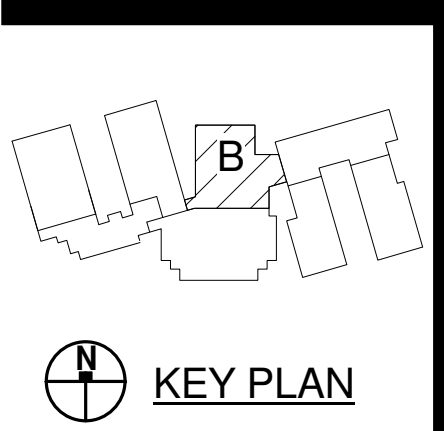
- FOUNDATION PLAN NOTES CONTINUED:
9. FOR FRAME TYPES A AND B REFER TO S4.0.3 FOR COLUMN, HEADER, BASEPLATE AND CONNECTION INFORMATION.
- TYPICAL WALL REINFORCING NOTES:
1. REINFORCE ALL EXTERIOR MASONRY WALLS BELOW CFSF OR CURTAINWALLS WITH #5 @ 48" OC AND GROUT WALL SOLID, UNO.
 2. REINFORCE ALL INTERIOR NON-LOAD BEARING 6" CMU WALLS LESS THAN 15'-4" IN HEIGHT WITH #4 @ 48" OC, UNO. REINFORCE ALL INTERIOR 6" CMU NON-LOAD BEARING WALLS EQUAL TO OR GREATER THAN 15'-4" WITH #4 @ 16" OC, UNO. REINFORCE ALL INTERIOR LOAD BEARING 6" CMU WALLS #4 @ 24" OC, UNO. REINFORCE ALL INTERIOR NON-LOAD BEARING 8" CMU WALLS #5 @ 55" OC, UNO.
 3. REINFORCE 8" EXTERIOR AND 8" LOAD BEARING CMU WALLS #5 @ 32" OC, UNO.
 4. REINFORCE IN WALLS ABOVE WALL OPENINGS SHALL MATCH REINFORCING BELOW, UNO.
 5. WALLS INDICATED AS SHEAR WALLS (HATCHED) SHALL BE GROUTED SOLID.



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FOUNDATION PLAN - PART B
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.



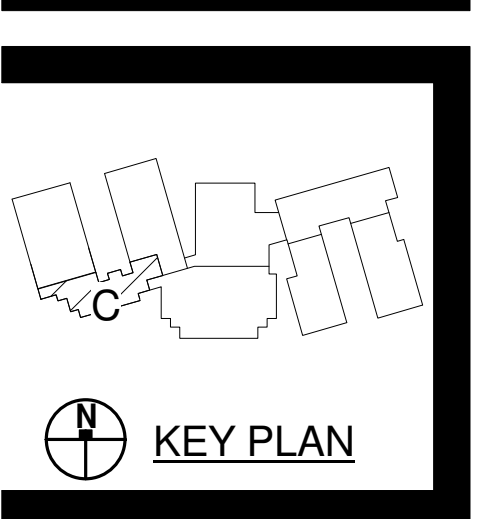
PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

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FOUNDATION PLAN - PART C
 1/8" = 1'-0"
 NOTES
 1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.

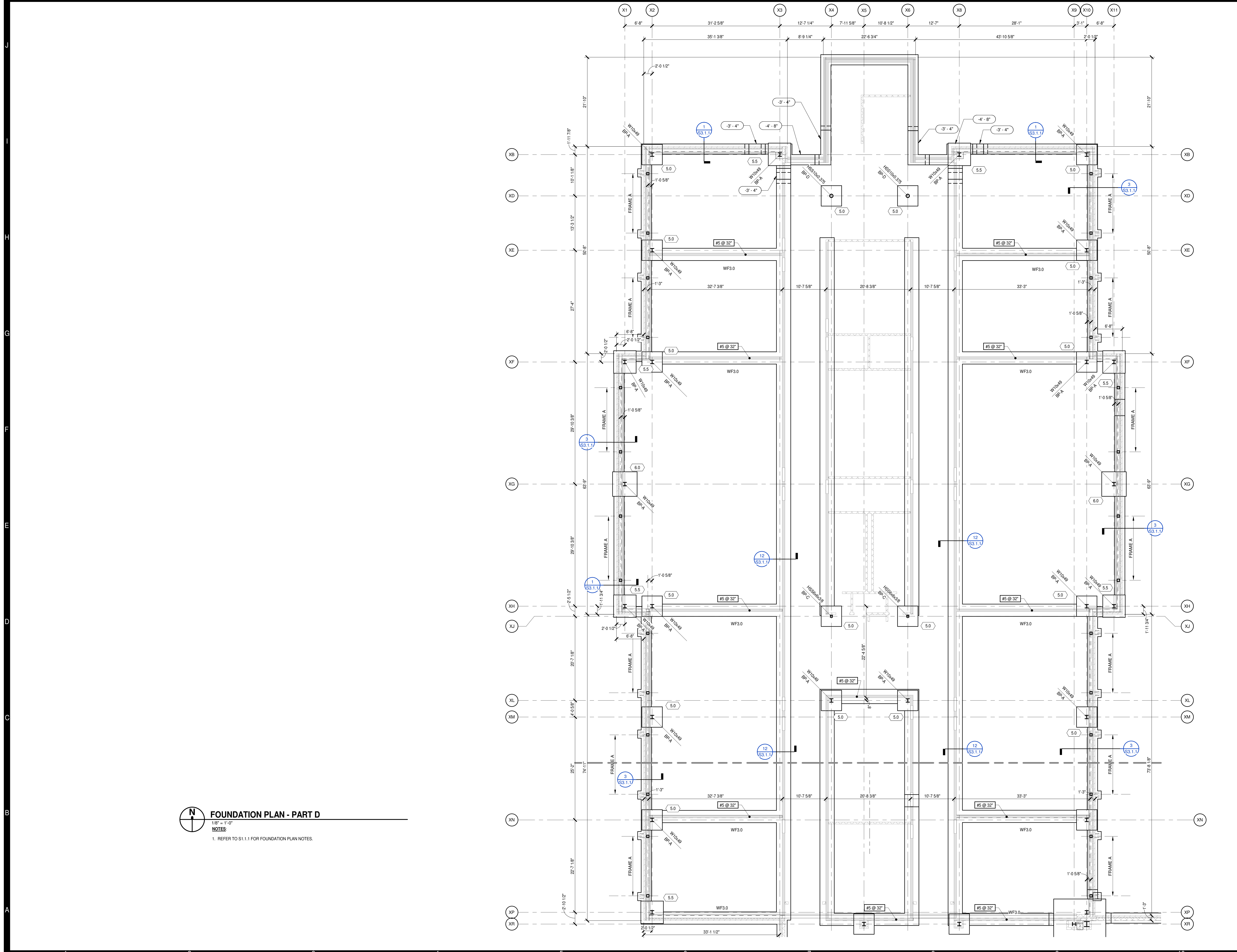


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 Pender County Schools
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FOUNDATION PLAN - PART C

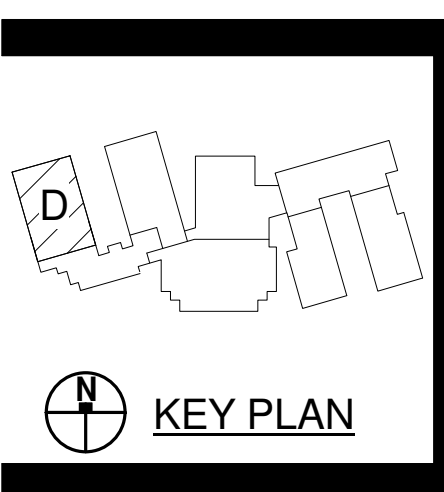
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FOUNDATION PLAN - PART D

1/8" = 1'-0"

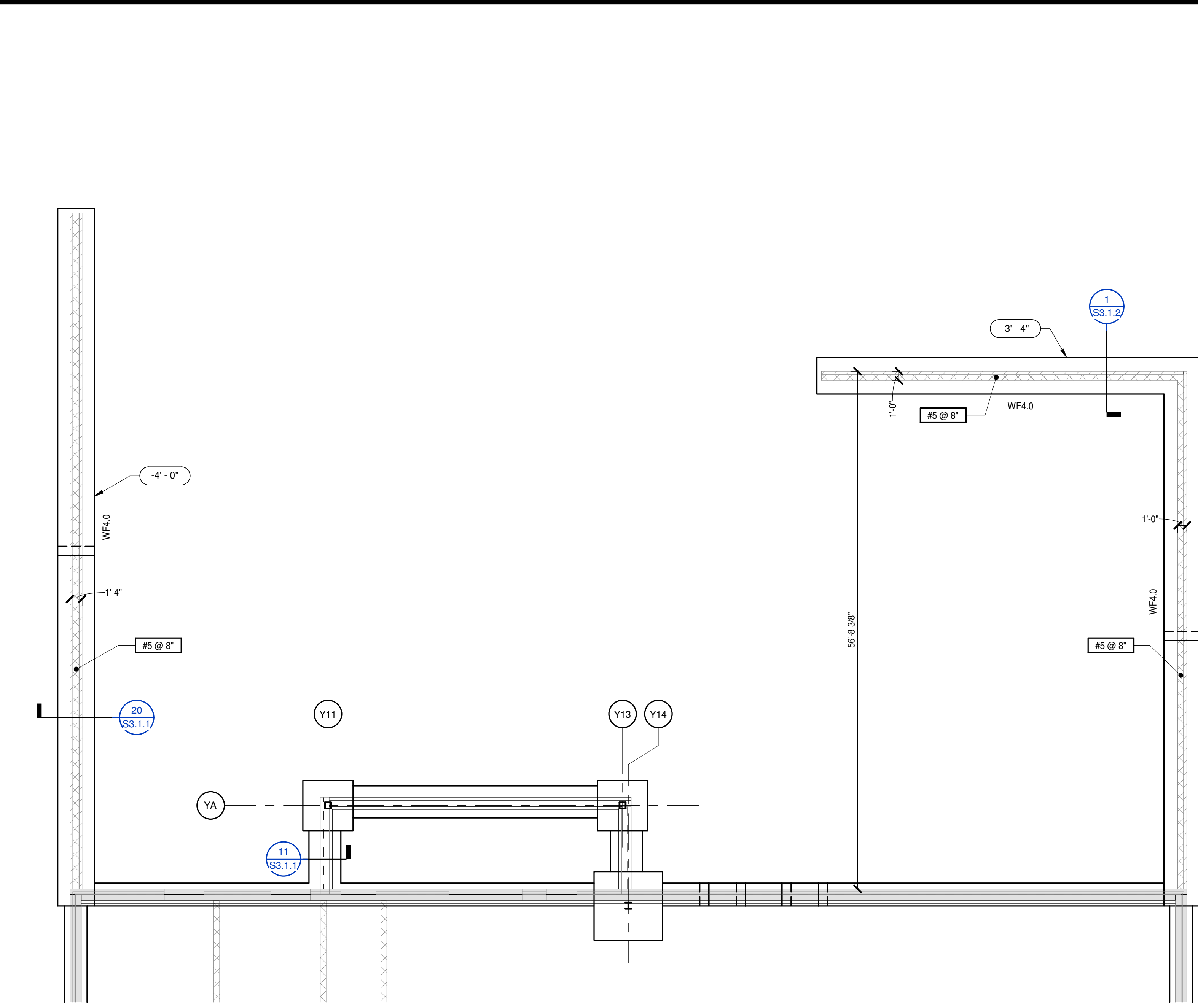
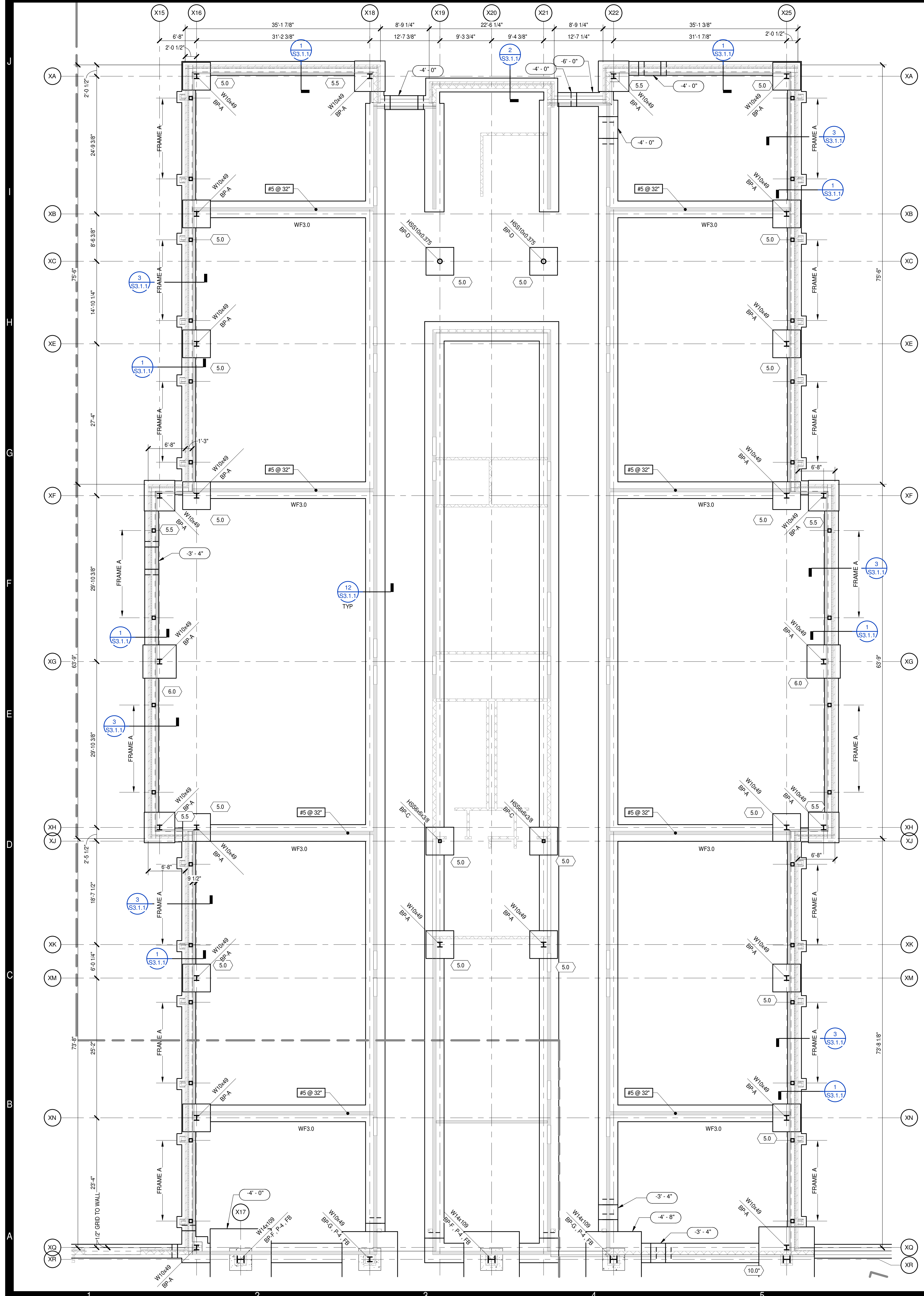
NOTES:
1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.



PENDER COUNTY SCHOOLS K-8 SCHOOL
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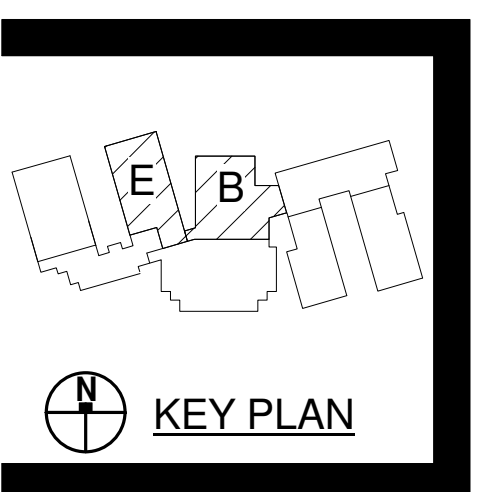
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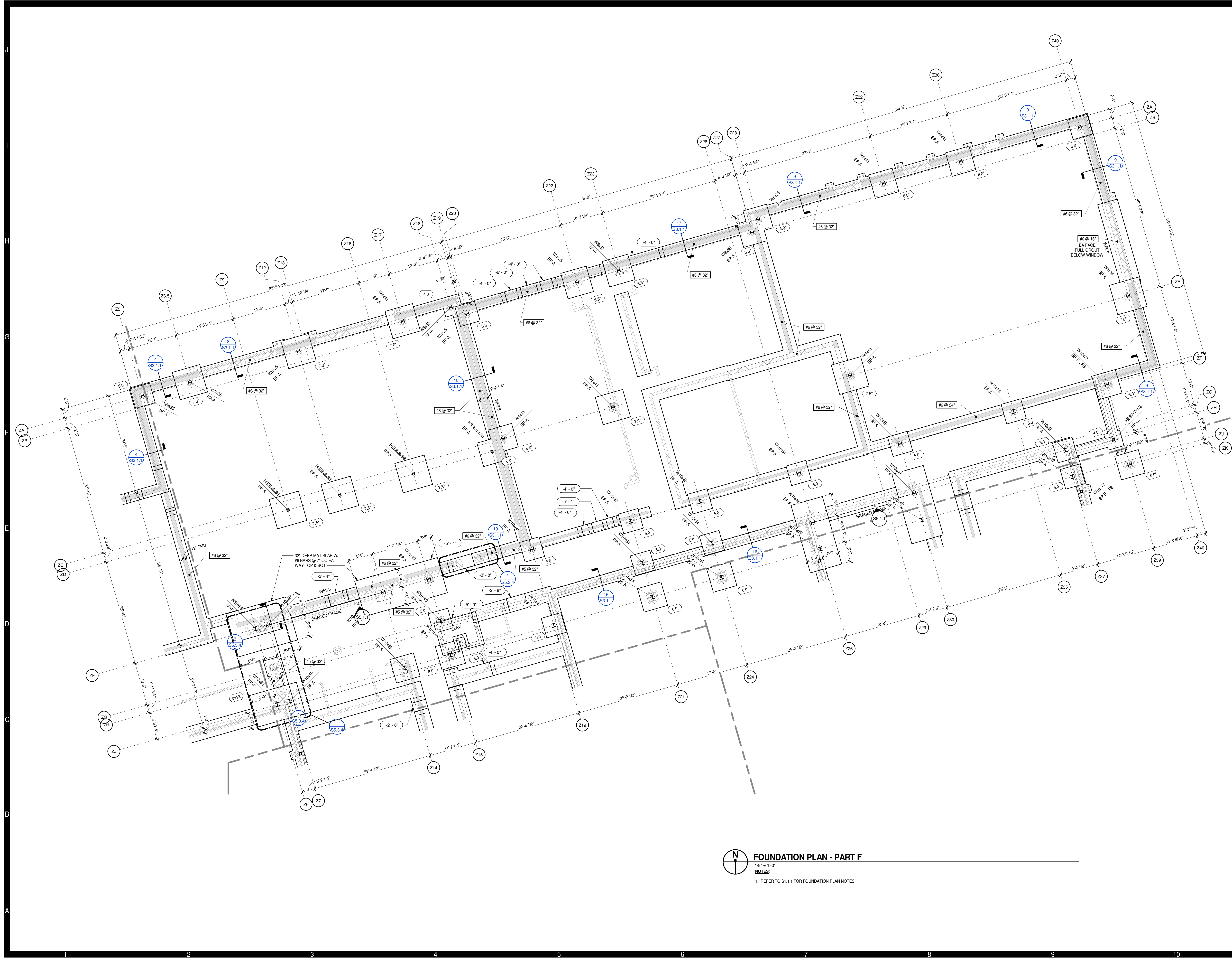


PARTIAL FOUNDATION PLAN - PART B
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.

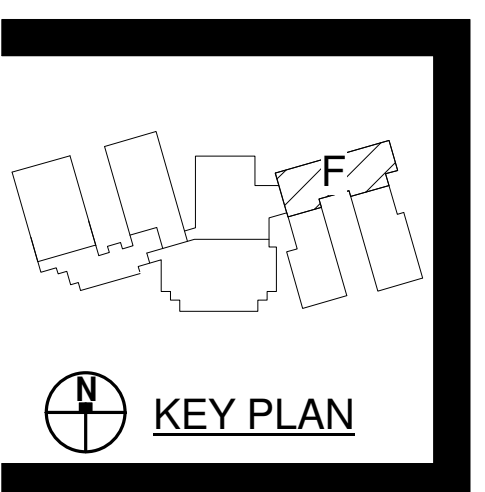
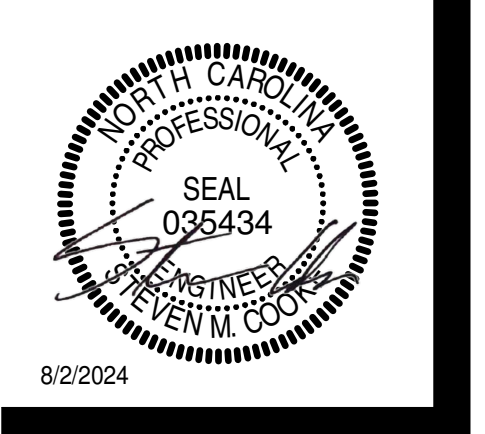
FOUNDATION PLAN - PART E
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.



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FOUNDATION PLAN - PART F
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.



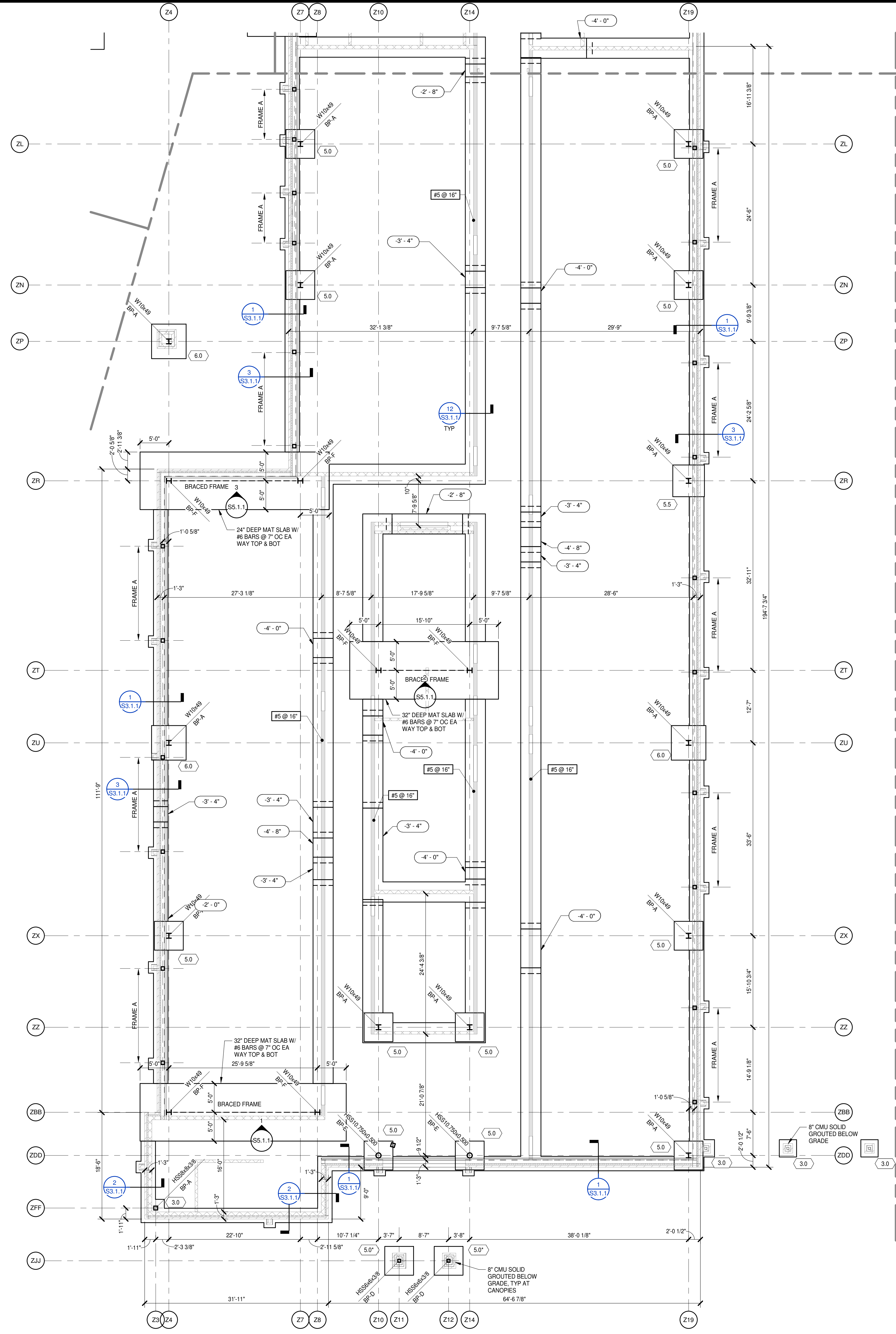
PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
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FOUNDATION PLAN -
 PLAN F

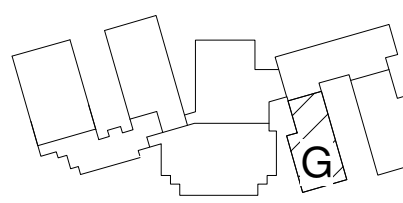
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FOUNDATION PLAN - PART G
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.



MOSELEYARCHITECTS

911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0051
MOSELEYARCHITECTS.COM



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

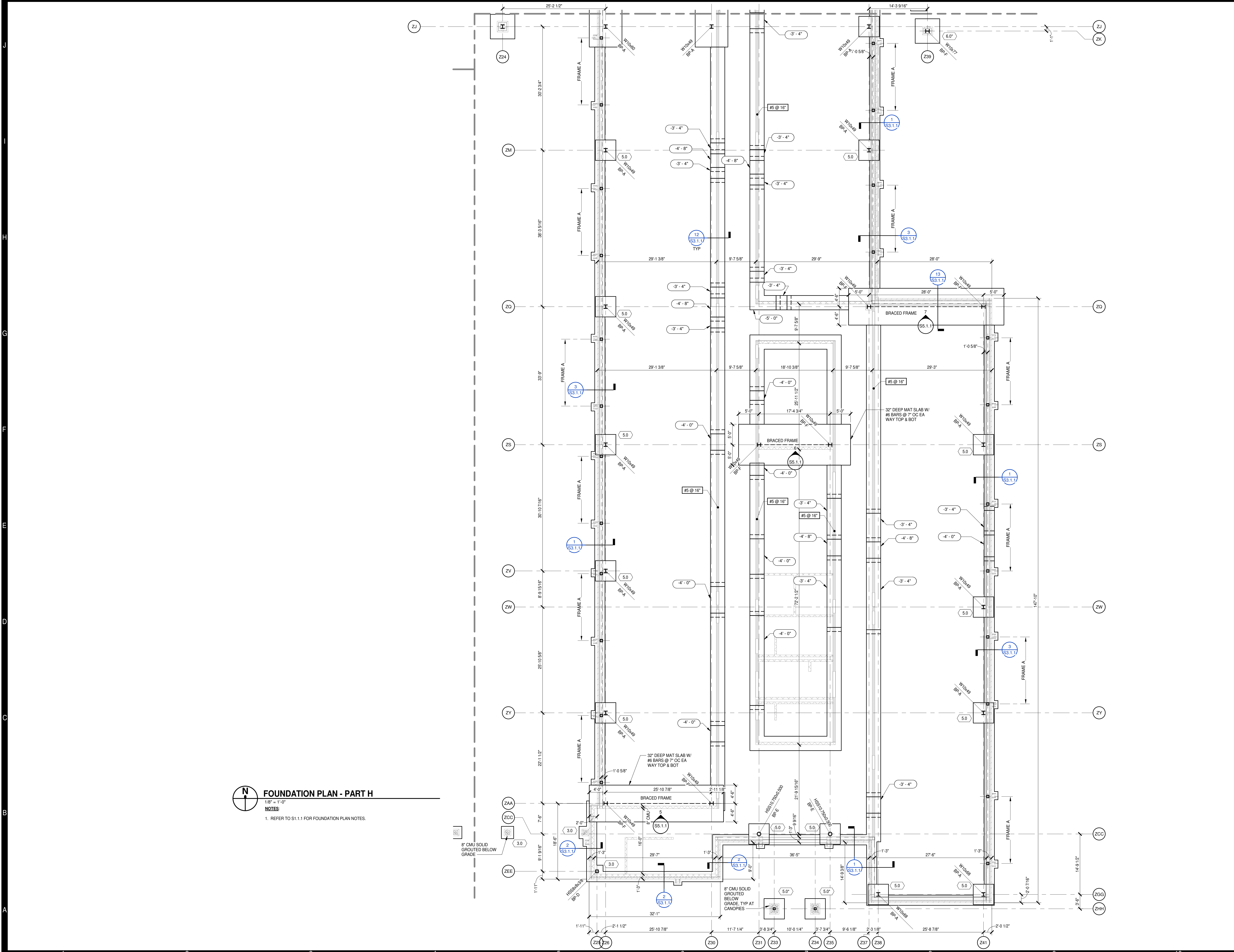
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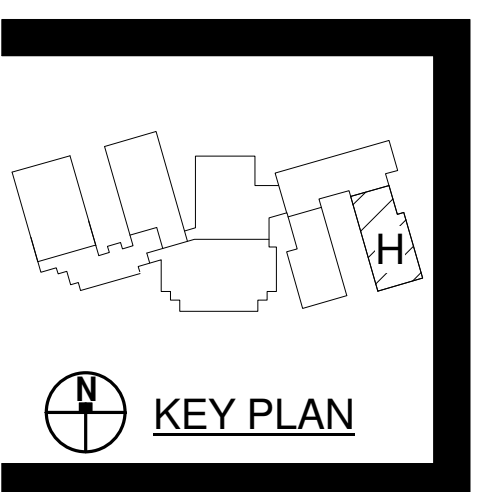
NO.	REVISIONS	DATE	DESCRIPTION

FOUNDATION PLAN - PLAN G

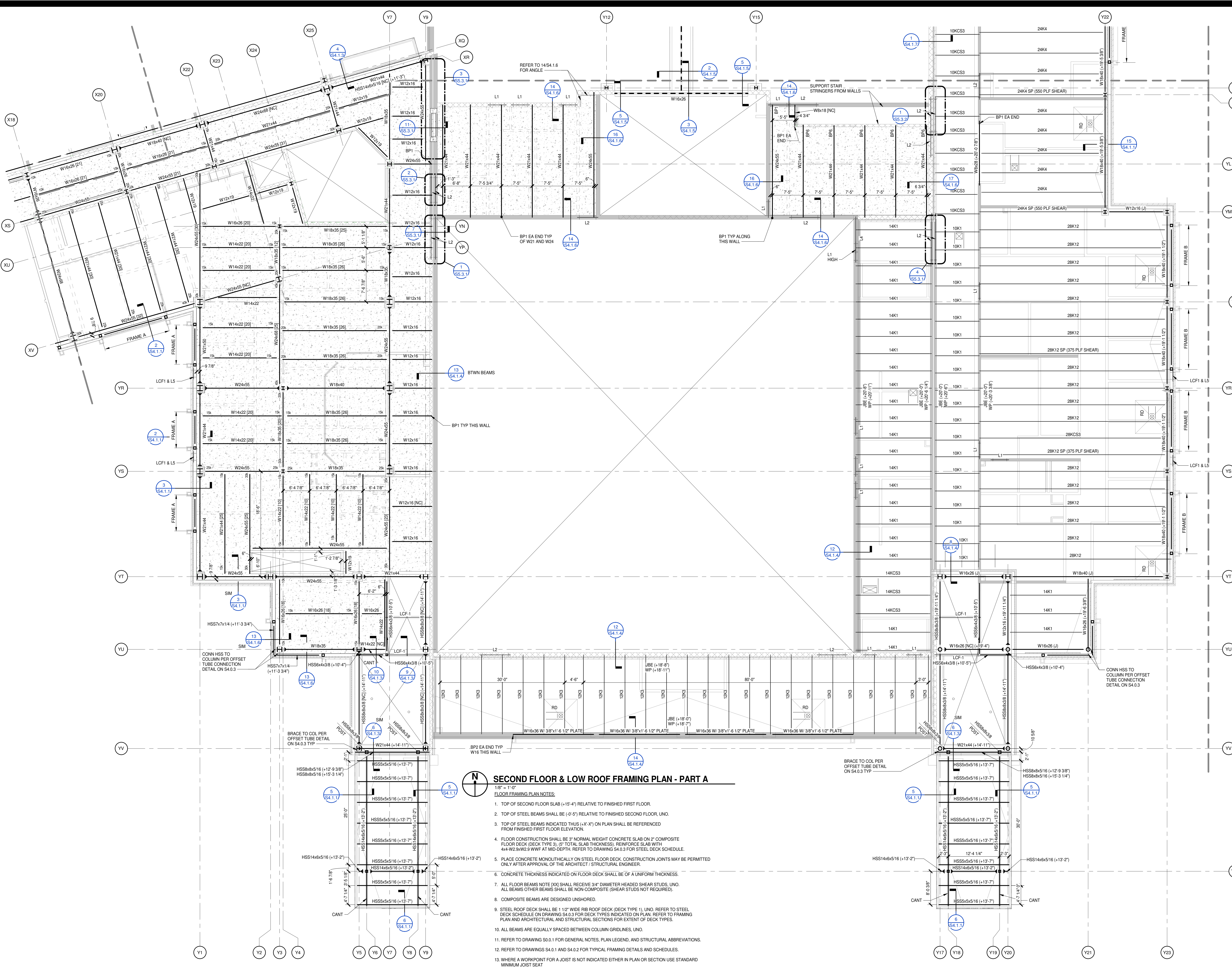
S1.1.7



FOUNDATION PLAN - PART H
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.



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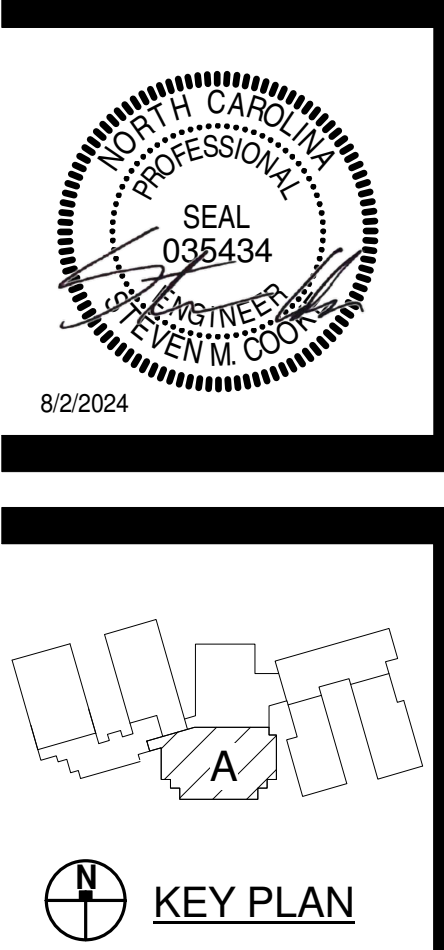


Vertical grid lines: Y1, Y2, Y3, Y4, Y5, Y6, Y7, Y8, Y9, Y10, Y11, Y12, Y13, Y14, Y15, Y16, Y17, Y18, Y19, Y20, Y21, Y22

Horizontal grid lines: X18, X19, X20, X21, X22, X23, X24, X25, X26, X27, X28, X29, X30, X31, X32, X33, X34, X35, X36, X37, X38, X39, X40, X41, X42, X43, X44, X45

SECOND FLOOR & LOW ROOF FRAMING PLAN - PART A

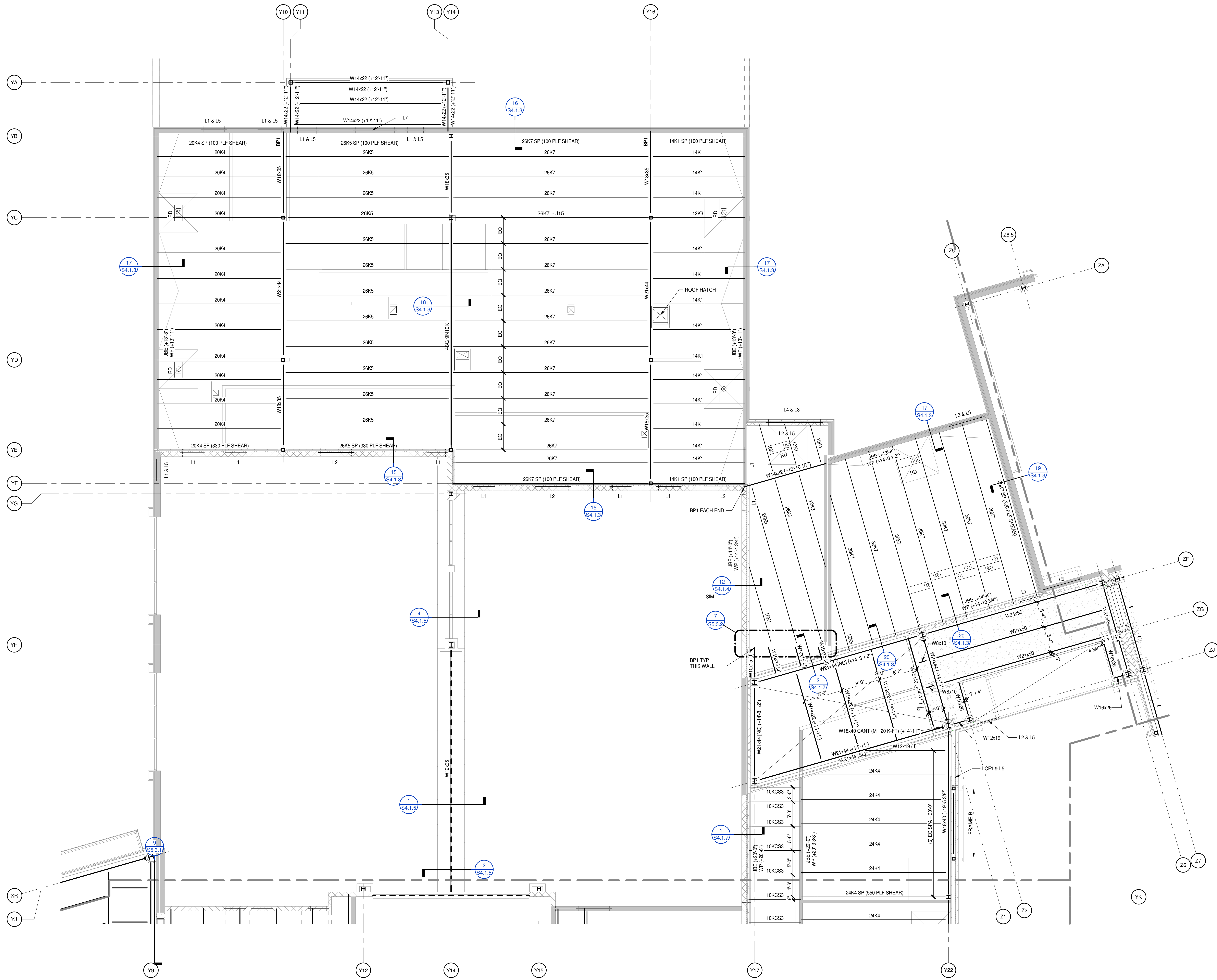
- 1/8" = 1'-0"
 FLOOR FRAMING PLAN NOTES:
1. TOP OF SECOND FLOOR SLAB (+15'-4") RELATIVE TO FINISHED FIRST FLOOR.
 2. TOP OF STEEL BEAMS SHALL BE (+0'-5") RELATIVE TO FINISHED SECOND FLOOR, UNO.
 3. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
 4. FLOOR CONSTRUCTION SHALL BE 2" NORMAL WEIGHT CONCRETE SLAB ON 2" COMPOSITE FLOOR DECK (DECK TYPE 3), (5" TOTAL SLAB THICKNESS). REINFORCE SLAB WITH 4x4-W2-W2 WF AT MID-DEPTH. REFER TO DRAWING S4.0.3 FOR STEEL DECK SCHEDULE.
 5. PLACE CONCRETE MONOLITHICALLY ON STEEL FLOOR DECK. CONSTRUCTION JOINTS MAY BE PERMITTED ONLY AFTER APPROVAL OF THE ARCHITECT / STRUCTURAL ENGINEER.
 6. CONCRETE THICKNESS INDICATED ON FLOOR DECK SHALL BE OF A UNIFORM THICKNESS.
 7. ALL FLOOR BEAMS NOTE (X) SHALL RECEIVE 3/4" DIAMETER HEADED SHEAR STUDS, UNO. ALL BEAMS OTHER BEAMS SHALL BE NON-COMPOSITE (SHEAR STUDS NOT REQUIRED).
 8. COMPOSITE BEAMS ARE DESIGNED UNSHORED.
 9. STEEL ROOF DECK SHALL BE 1/2" WIDE RIB ROOF DECK (DECK TYPE 1), UNO. REFER TO STEEL DECK SCHEDULE ON DRAWING S4.0.3 FOR DECK TYPES INDICATED ON PLAN. REFER TO FRAMING PLAN AND ARCHITECTURAL AND STRUCTURAL SECTIONS FOR EXTENT OF DECK TYPES.
 10. ALL BEAMS ARE EQUALLY SPACED BETWEEN COLUMN GRIDLINES, UNO.
 11. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
 12. REFER TO DRAWINGS S4.0.1 AND S4.0.2 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.
 13. WHERE A WORKPOINT FOR A JOIST IS NOT INDICATED EITHER IN PLAN OR SECTION USE STANDARD MINIMUM JOIST SEAT



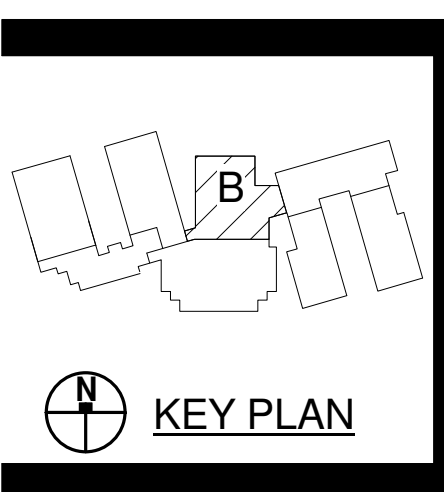
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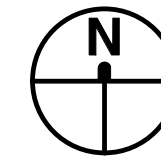
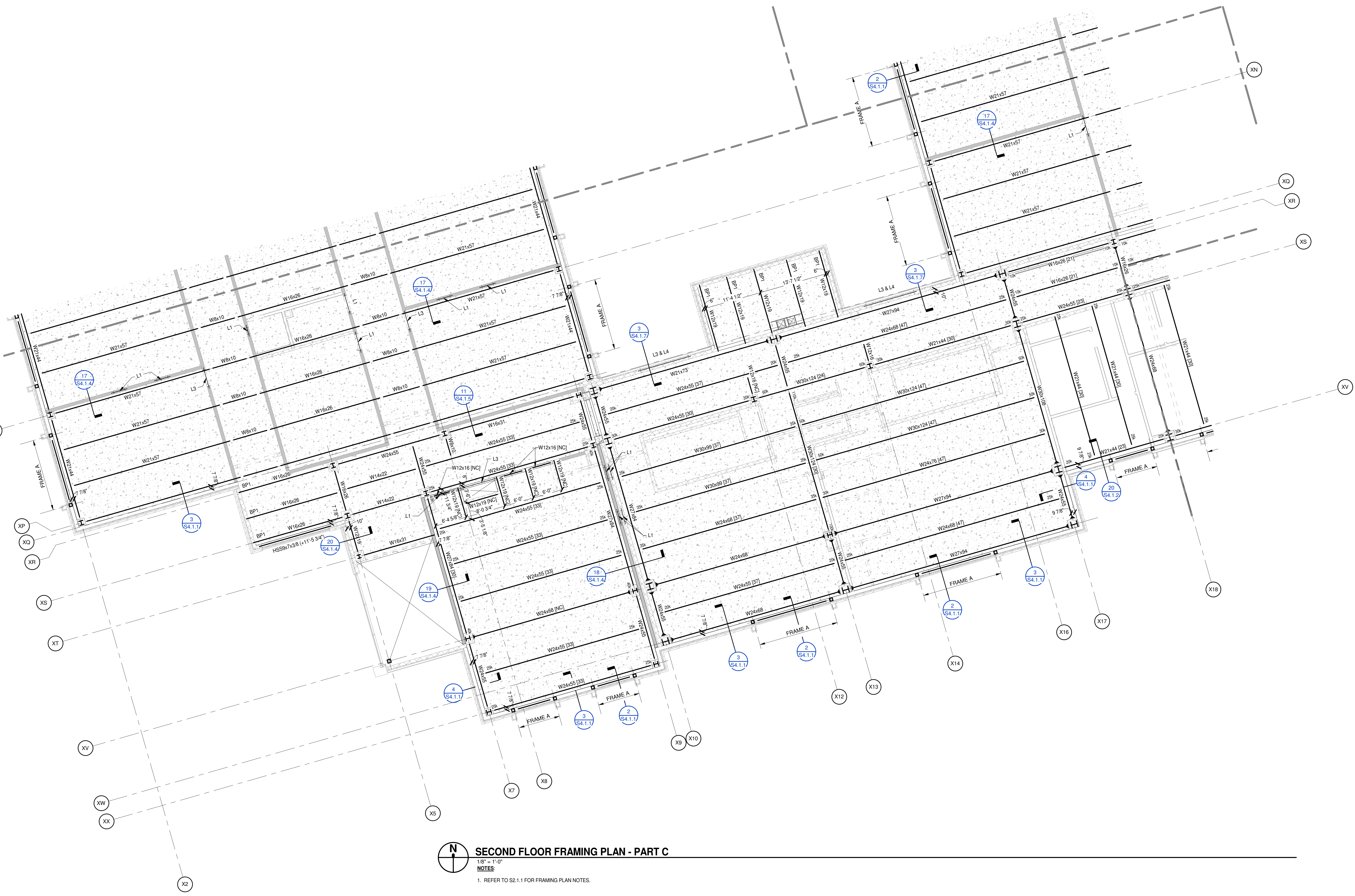
SECOND FLOOR & LOW ROOF FRAMING PLAN - PART A



SECOND FLOOR & LOW ROOF FRAMING PLAN - PART B
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S2.1.1 FOR FRAMING PLAN NOTES.

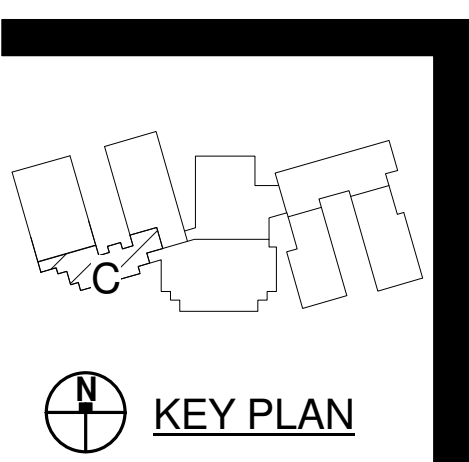


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SECOND FLOOR FRAMING PLAN - PART C

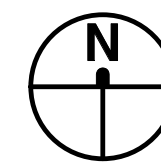
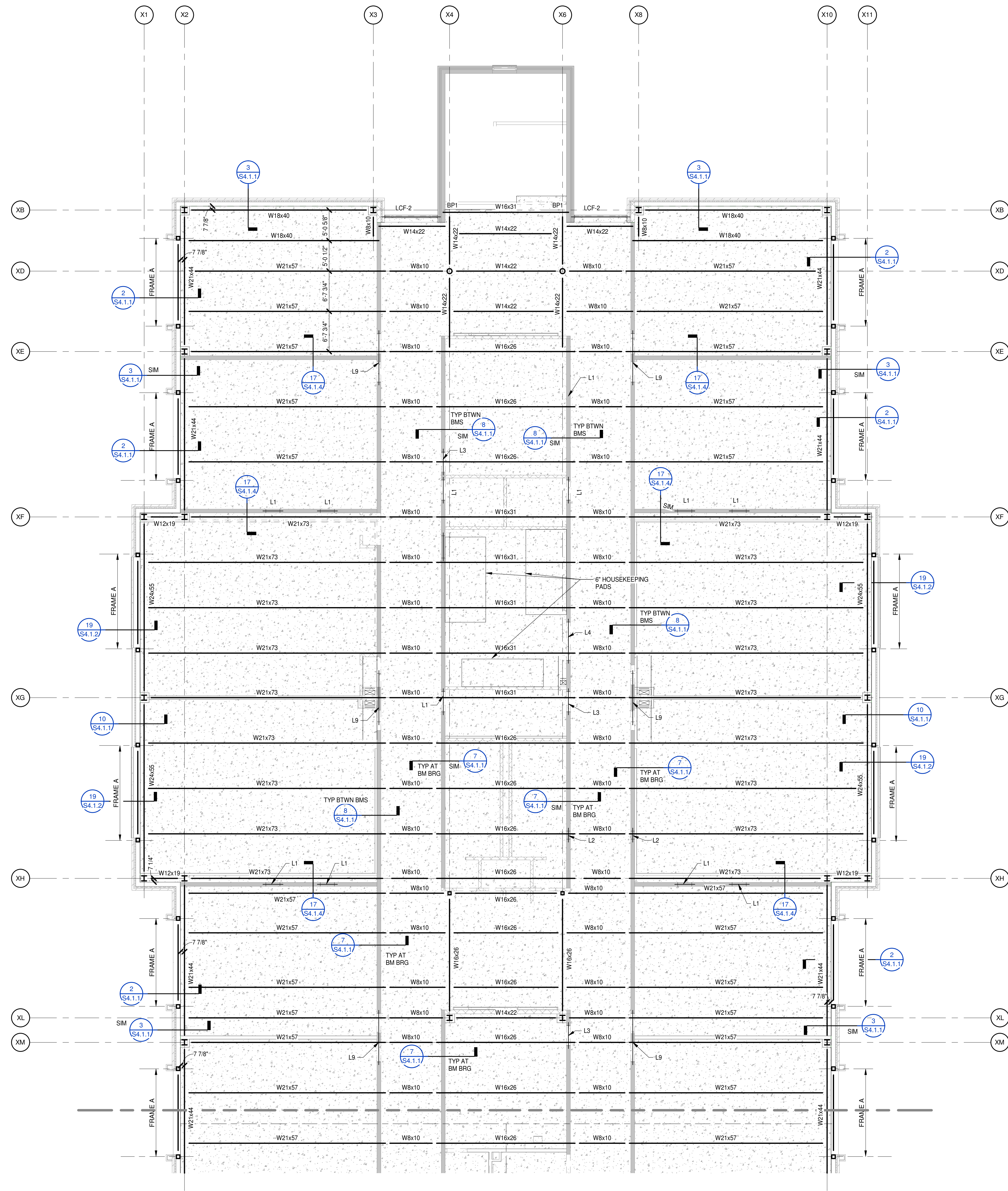
1/8" = 1'-0"
NOTES
1. REFER TO S2.1.1 FOR FRAMING PLAN NOTES.



PENDER COUNTY SCHOOLS K-8 SCHOOL

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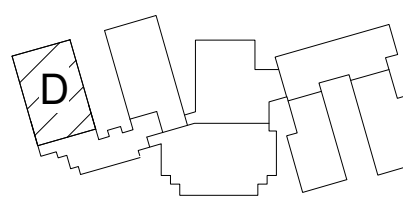


SECOND FLOOR FRAMING PLAN - PART D

1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

- 1. REFER TO S2.1.1 FOR NOTES.



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

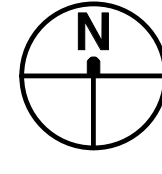
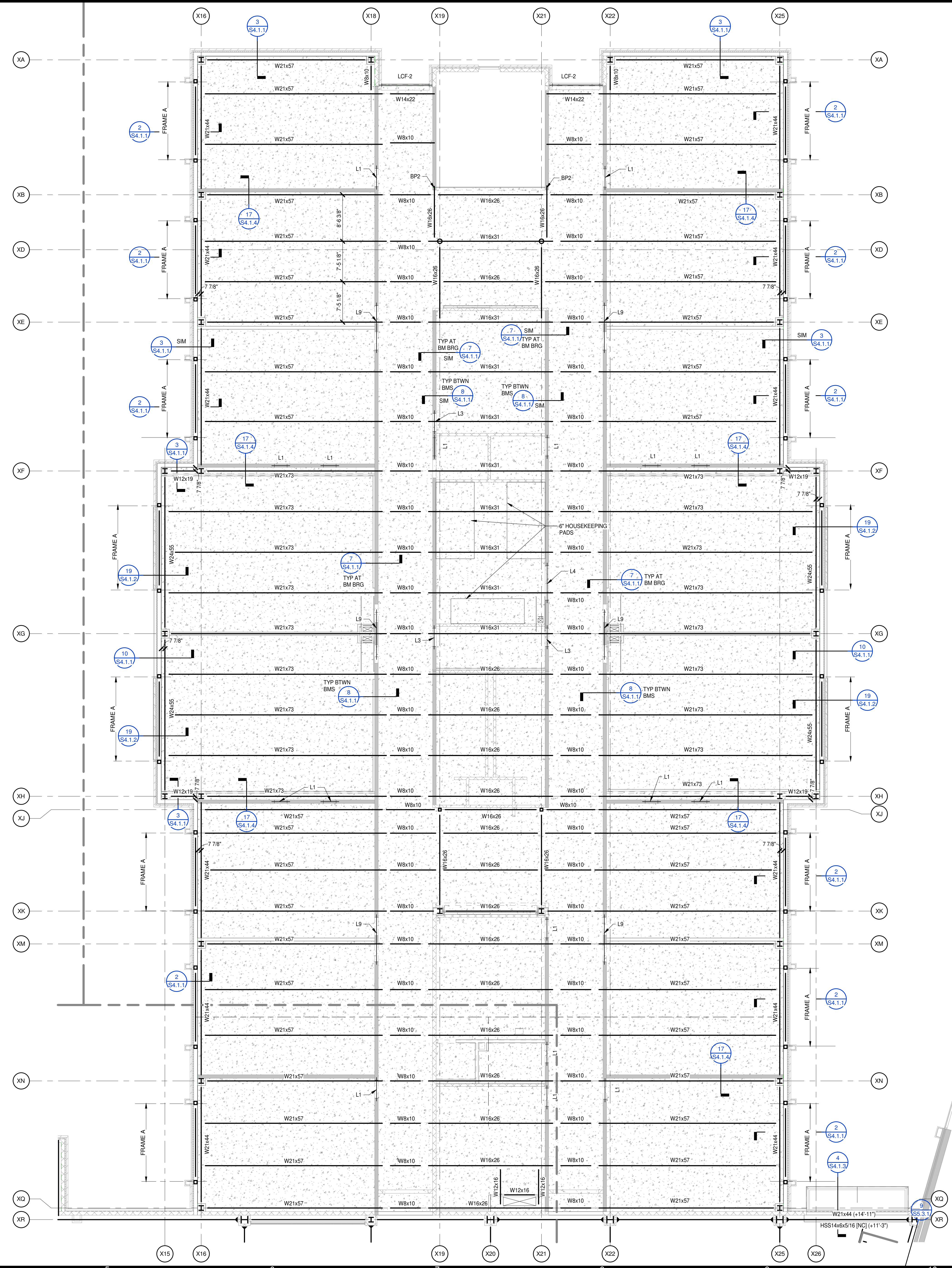
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SECOND FLOOR
 FRAMING PLAN - PART
 D

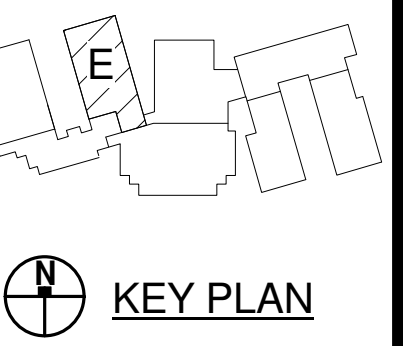
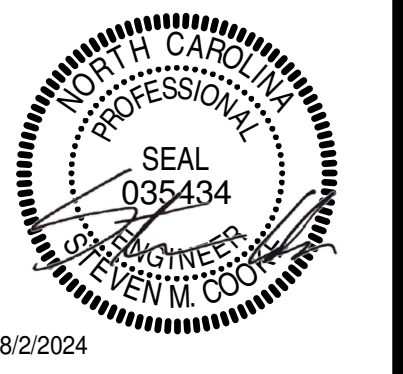
S2.1.4

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SECOND FLOOR FRAMING PLAN - PART E

1. REFER TO S2.1.1 FOR FRAMING PLAN NOTES.

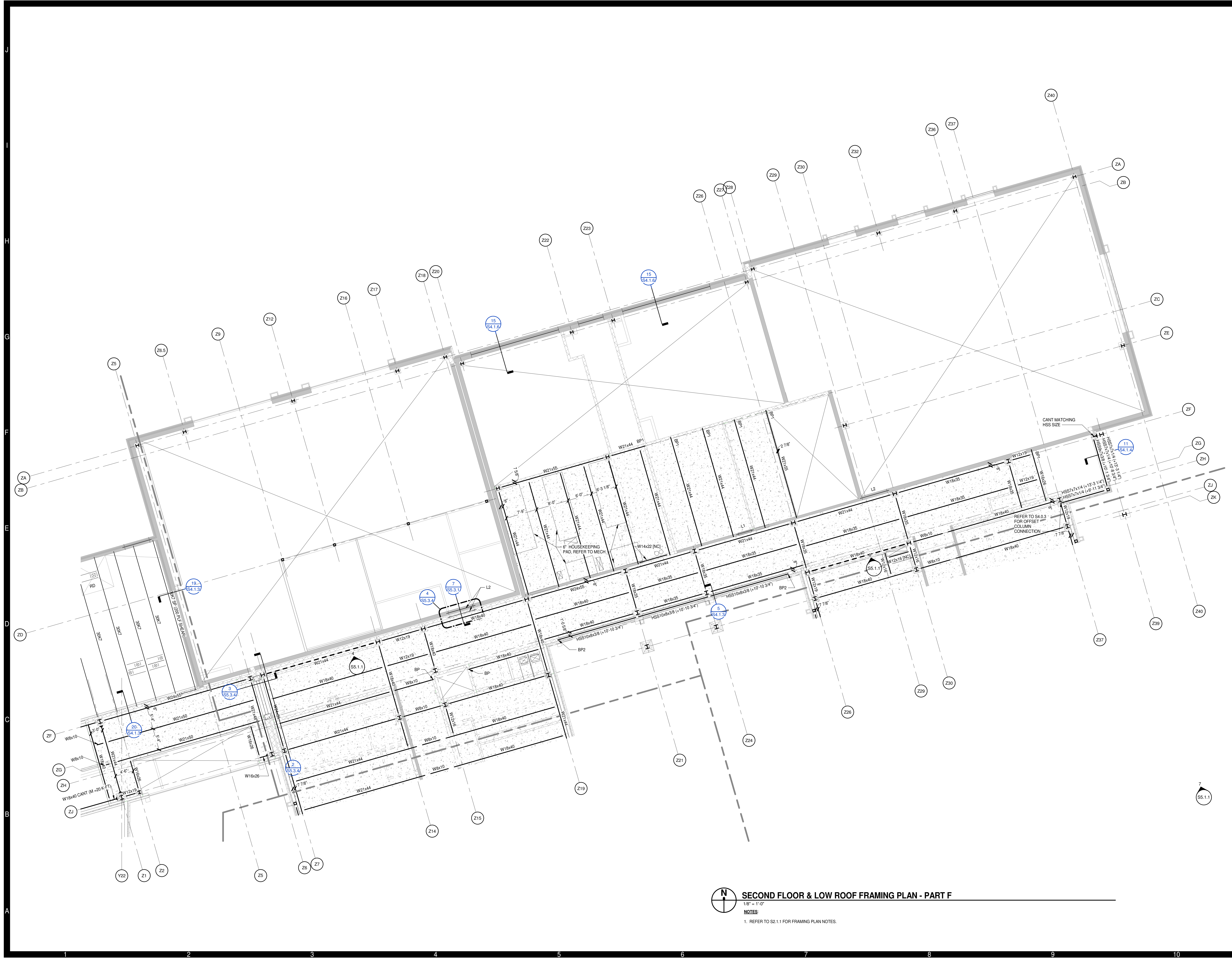


PENDER COUNTY SCHOOLS K-8 SCHOOL
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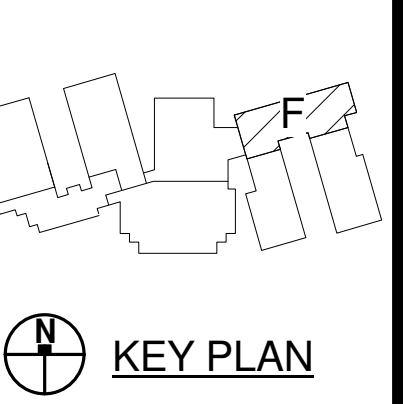
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SECOND FLOOR FRAMING PLAN - PART E

S2.1.5



SECOND FLOOR & LOW ROOF FRAMING PLAN - PART F
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S2.1.1 FOR FRAMING PLAN NOTES.



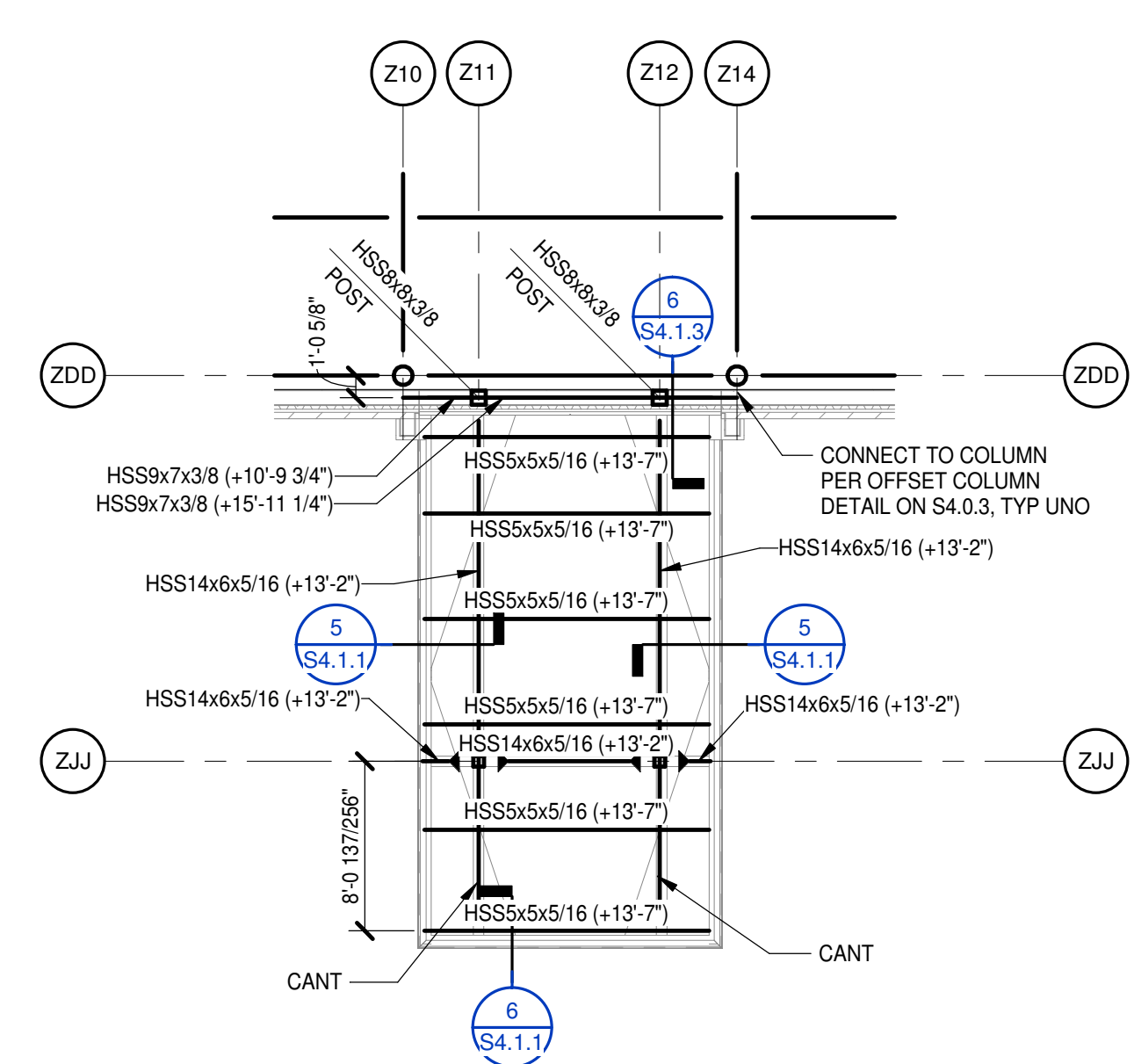
PENDER COUNTY SCHOOLS K-8 SCHOOL
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SECOND FLOOR & LOW ROOF FRAMING PLAN - PART F

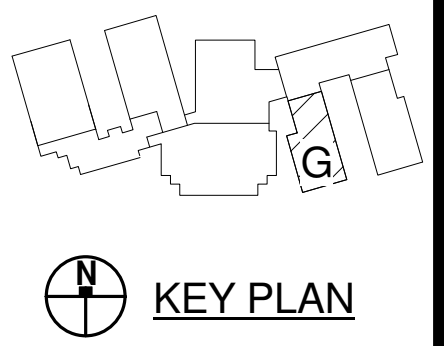
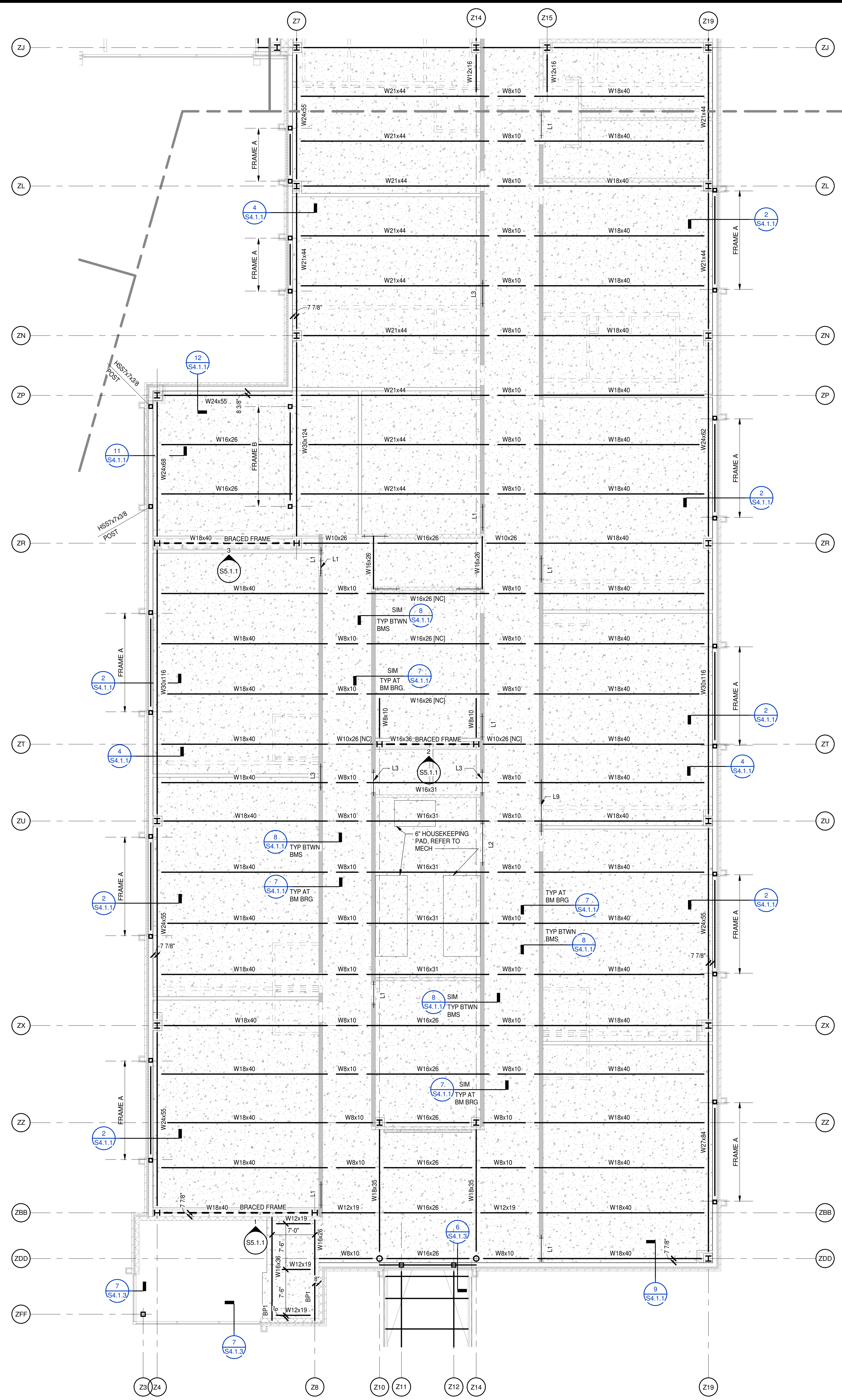
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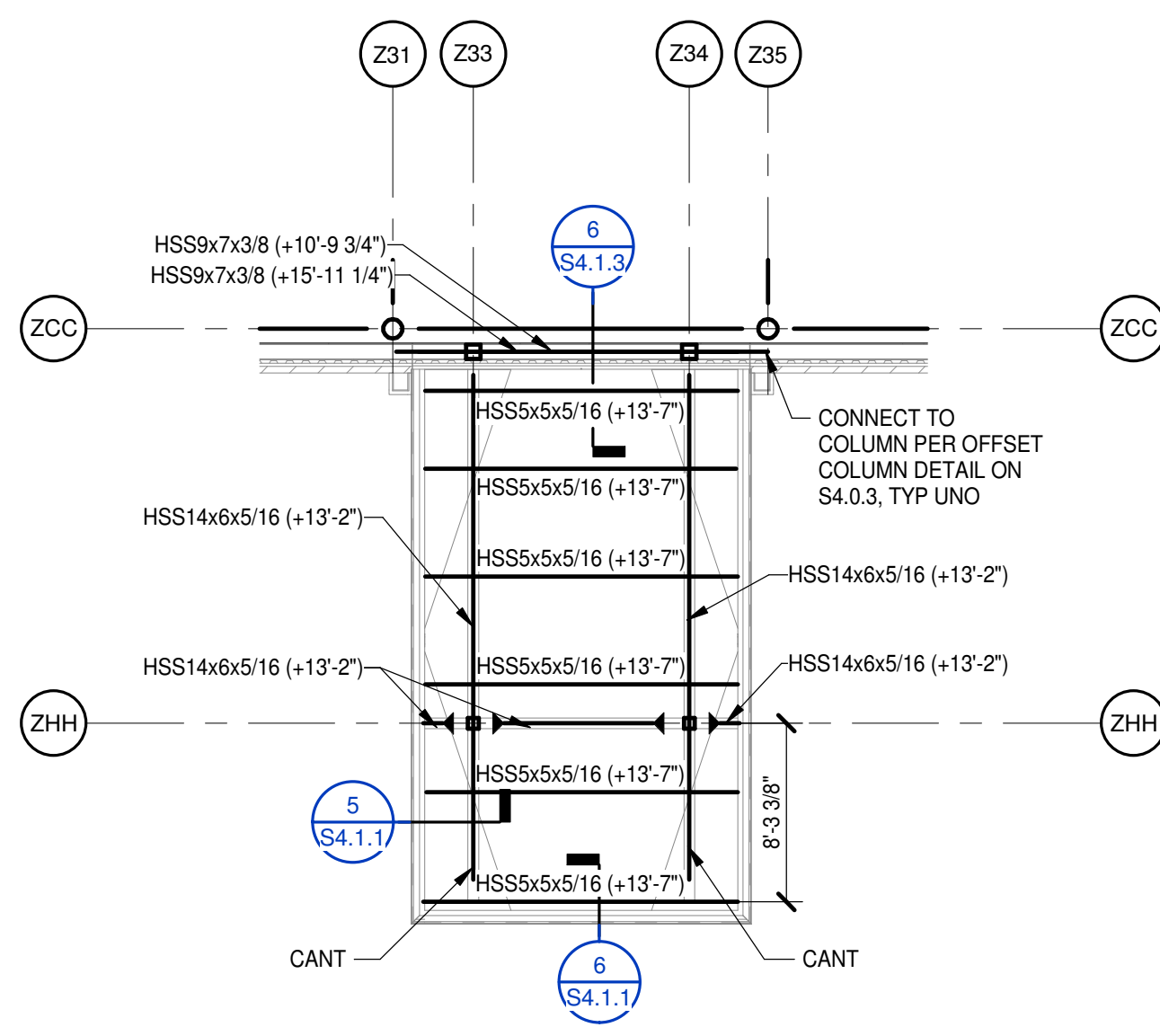
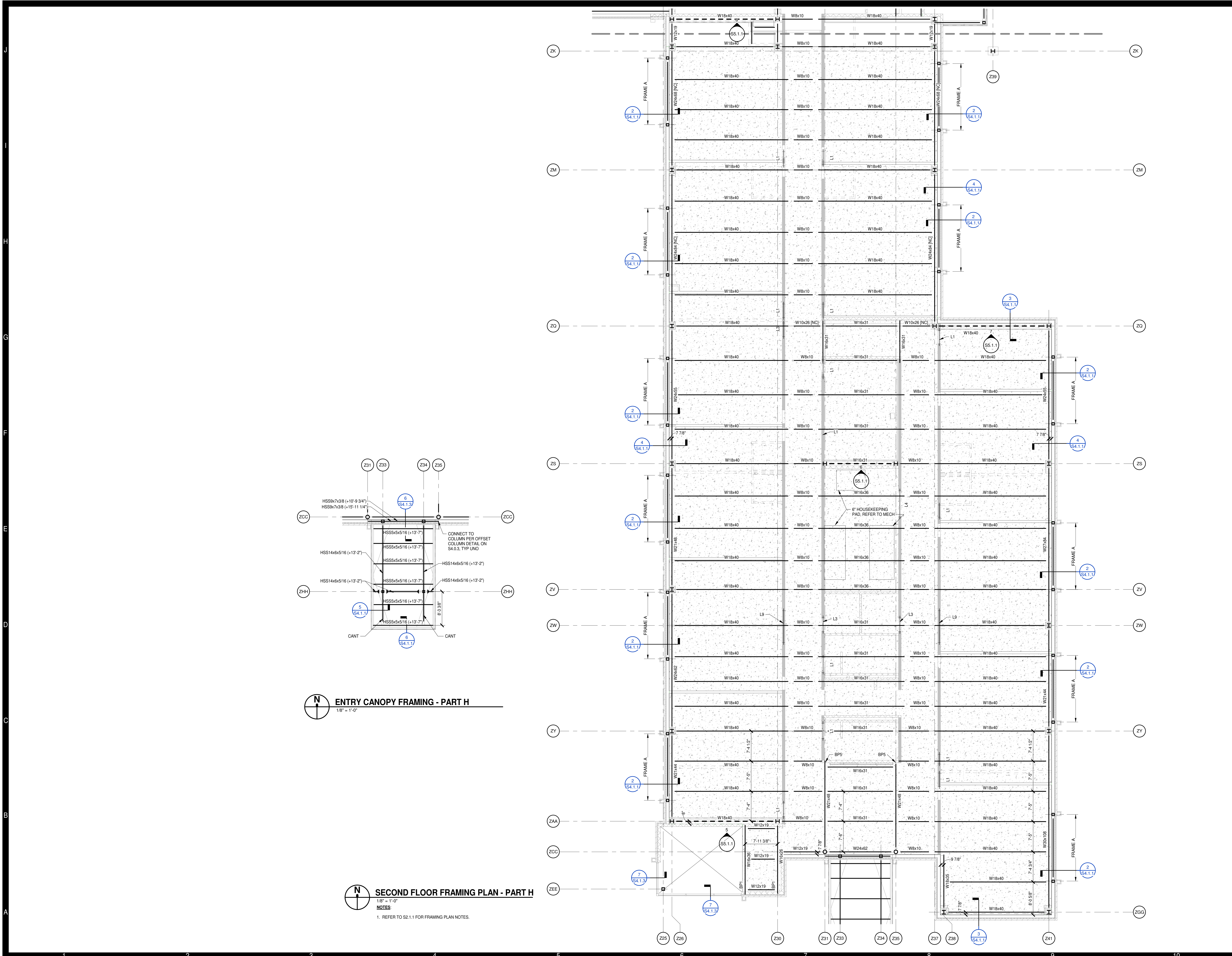


ENTRY CANOPY FRAMING - PART G
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S2.1.1 FOR FRAMING PLAN NOTES.

SECOND FLOOR FRAMING PLAN - PART G
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S2.1.1 FOR FRAMING PLAN NOTES.

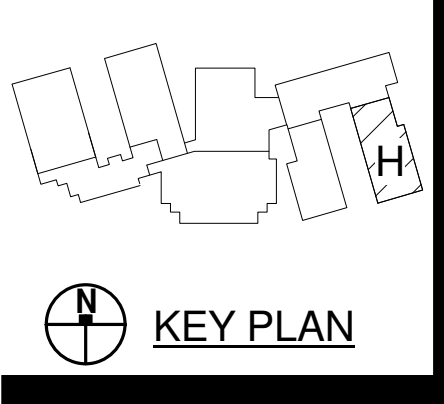


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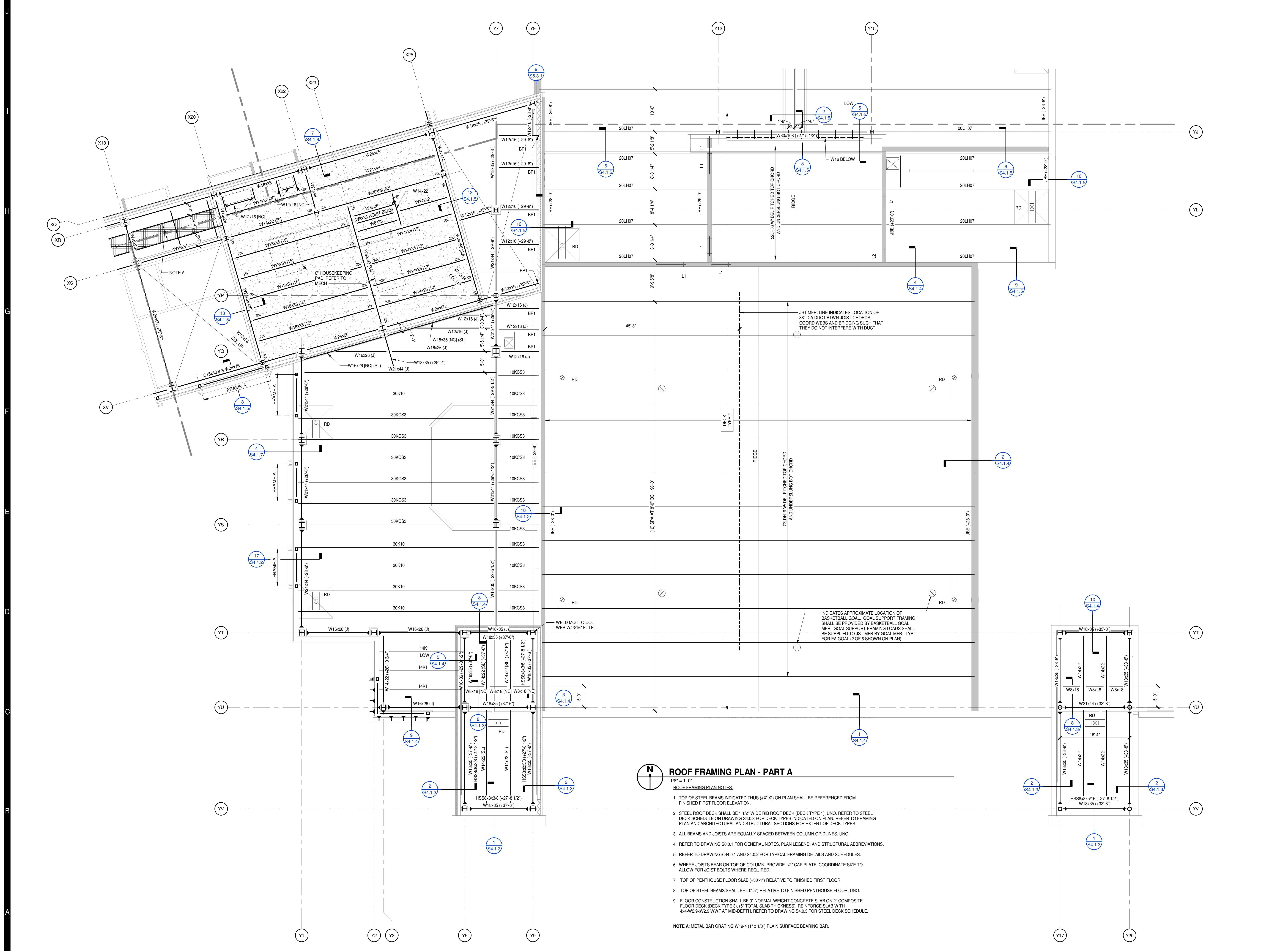


ENTRY CANOPY FRAMING - PART H
1/8\" = 1'-0"

SECOND FLOOR FRAMING PLAN - PART H
1/8\" = 1'-0"
NOTES:
1. REFER TO S2.1.1 FOR FRAMING PLAN NOTES.



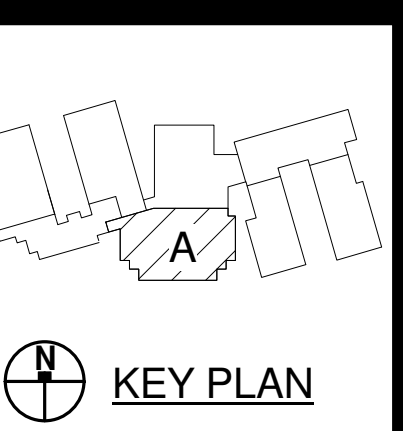
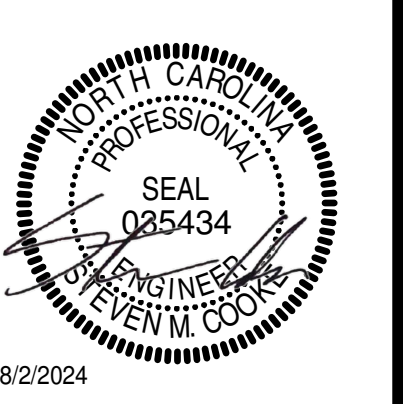
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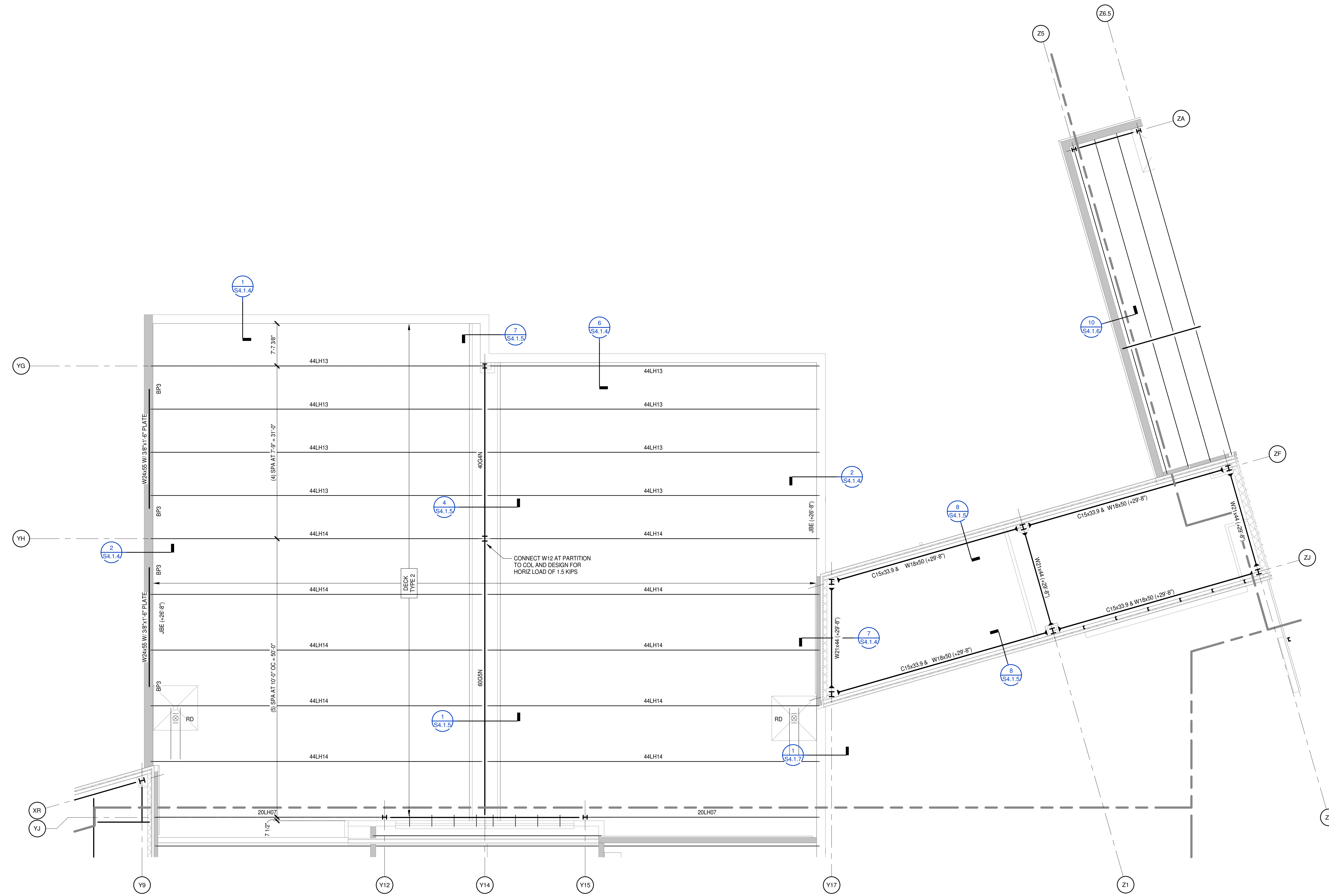
ROOF FRAMING PLAN - PART A
 1/8" = 1'-0"

- ROOF FRAMING PLAN NOTES:**
- TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
 - STEEL ROOF DECK SHALL BE 1 1/2" WIDE RIB ROOF DECK (DECK TYPE 1). UNO. REFER TO STEEL DECK SCHEDULE ON DRAWING S4.0.3 FOR DECK TYPES INDICATED ON PLAN. REFER TO FRAMING PLAN AND ARCHITECTURAL AND STRUCTURAL SECTIONS FOR EXTENT OF DECK TYPES.
 - ALL BEAMS AND JOISTS ARE EQUALLY SPACED BETWEEN COLUMN GRIDLINES. UNO.
 - REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
 - REFER TO DRAWINGS S4.0.1 AND S4.0.2 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.
 - WHERE JOISTS BEAR ON TOP OF COLUMN, PROVIDE 1/2" CAP PLATE. COORDINATE SIZE TO ALLOW FOR JOIST BOLTS WHERE REQUIRED.
 - TOP OF PENTHOUSE FLOOR SLAB (+30'-1") RELATIVE TO FINISHED FIRST FLOOR.
 - TOP OF STEEL BEAMS SHALL BE (+0'-5") RELATIVE TO FINISHED PENTHOUSE FLOOR. UNO.
 - FLOOR CONSTRUCTION SHALL BE 3" NORMAL WEIGHT CONCRETE SLAB ON 2" COMPOSITE FLOOR DECK (DECK TYPE 3), (5" TOTAL SLAB THICKNESS). REINFORCE SLAB WITH 4x4-W2.9xW2.9 WWF AT MID-DEPTH. REFER TO DRAWING S4.0.3 FOR STEEL DECK SCHEDULE.

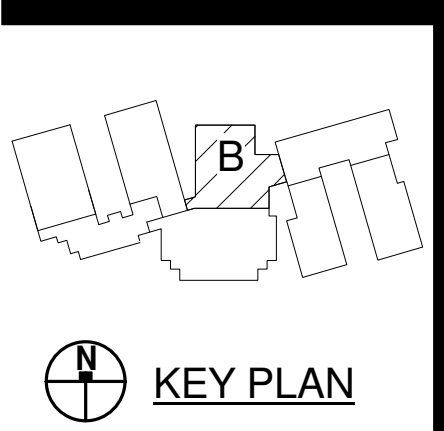
NOTE A. METAL BAR GRATING W19-4 (1" x 18") PLAN SURFACE BEARING BAR.



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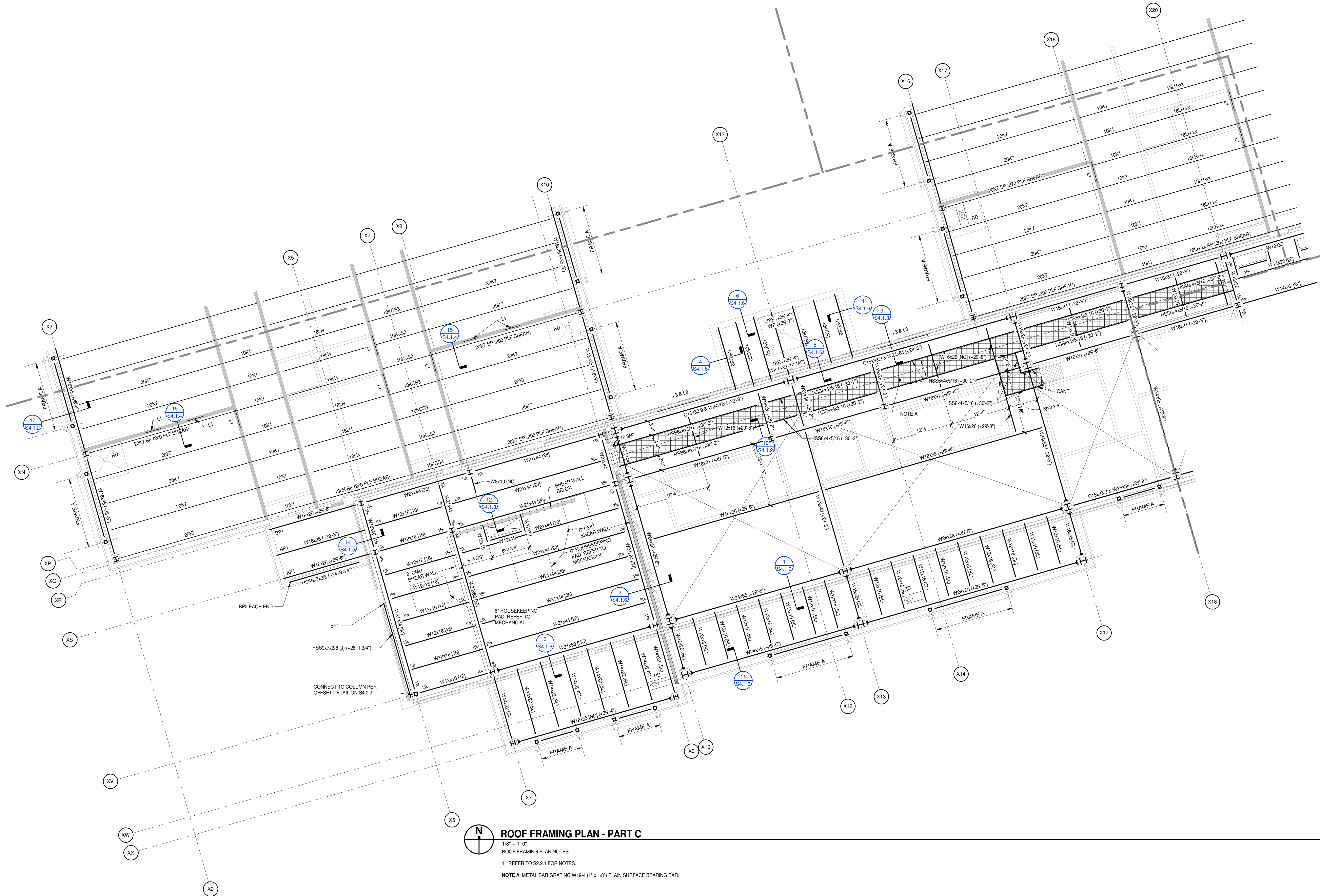


ROOF FRAMING PLAN - PART B
 1/8" = 1'-0"
 ROOF FRAMING PLAN NOTES:
 1. REFER TO S2.2.1 FOR NOTES.

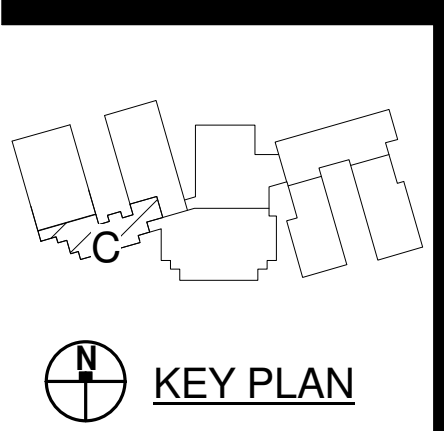


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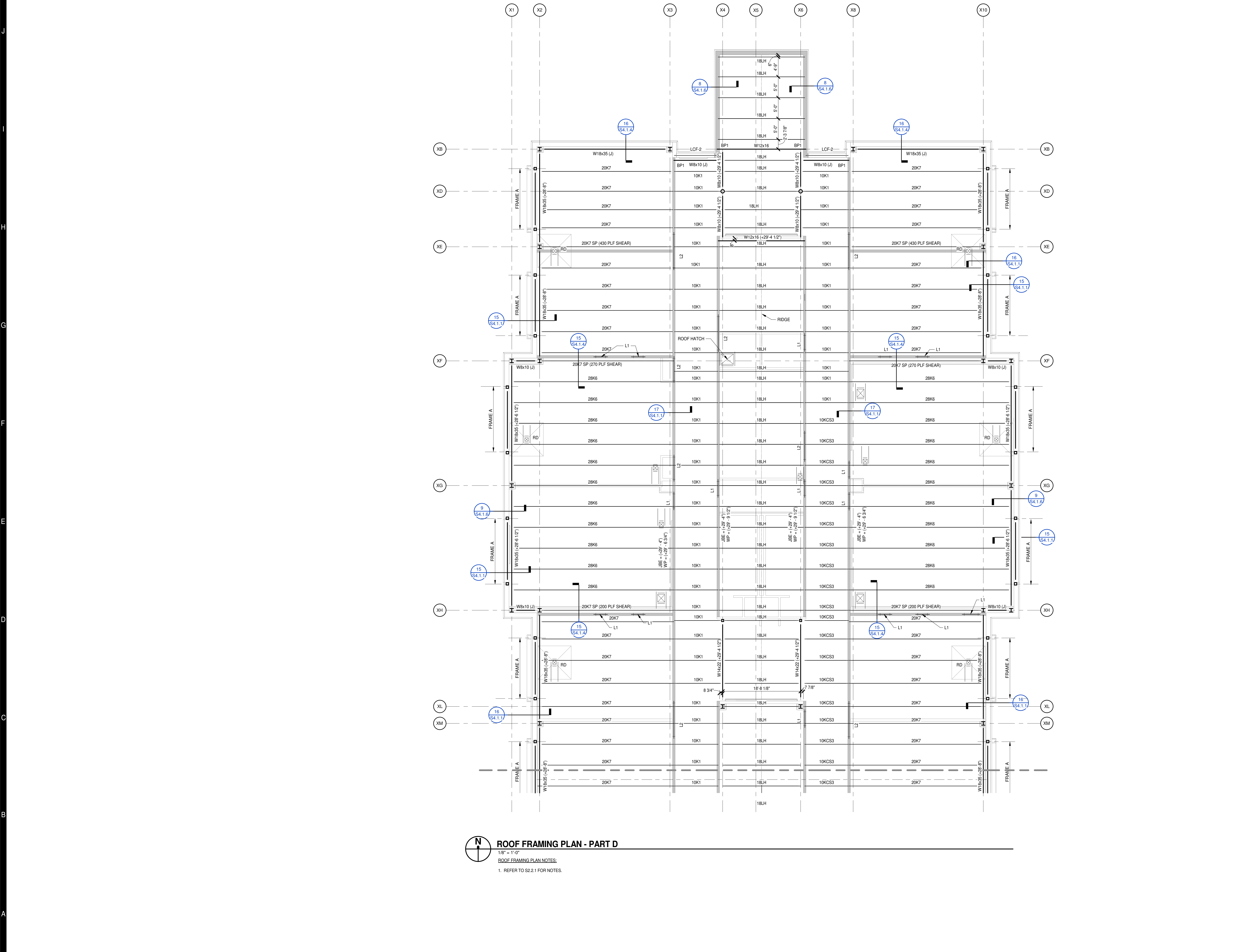


ROOF FRAMING PLAN - PART C
 1/8" = 1'-0"
 ROOF FRAMING PLAN NOTES:
 1. REFER TO S2.2.1 FOR NOTES.
 NOTE A: METAL BAR GRATING W19-4 (1" x 18") PLAIN SURFACE BEARING BAR.

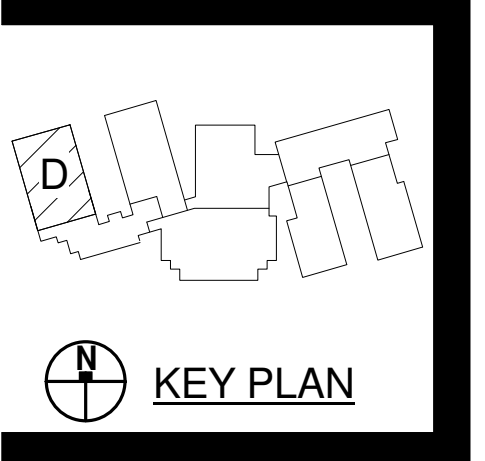
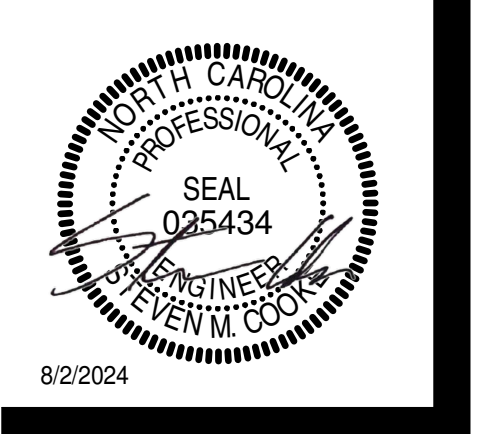


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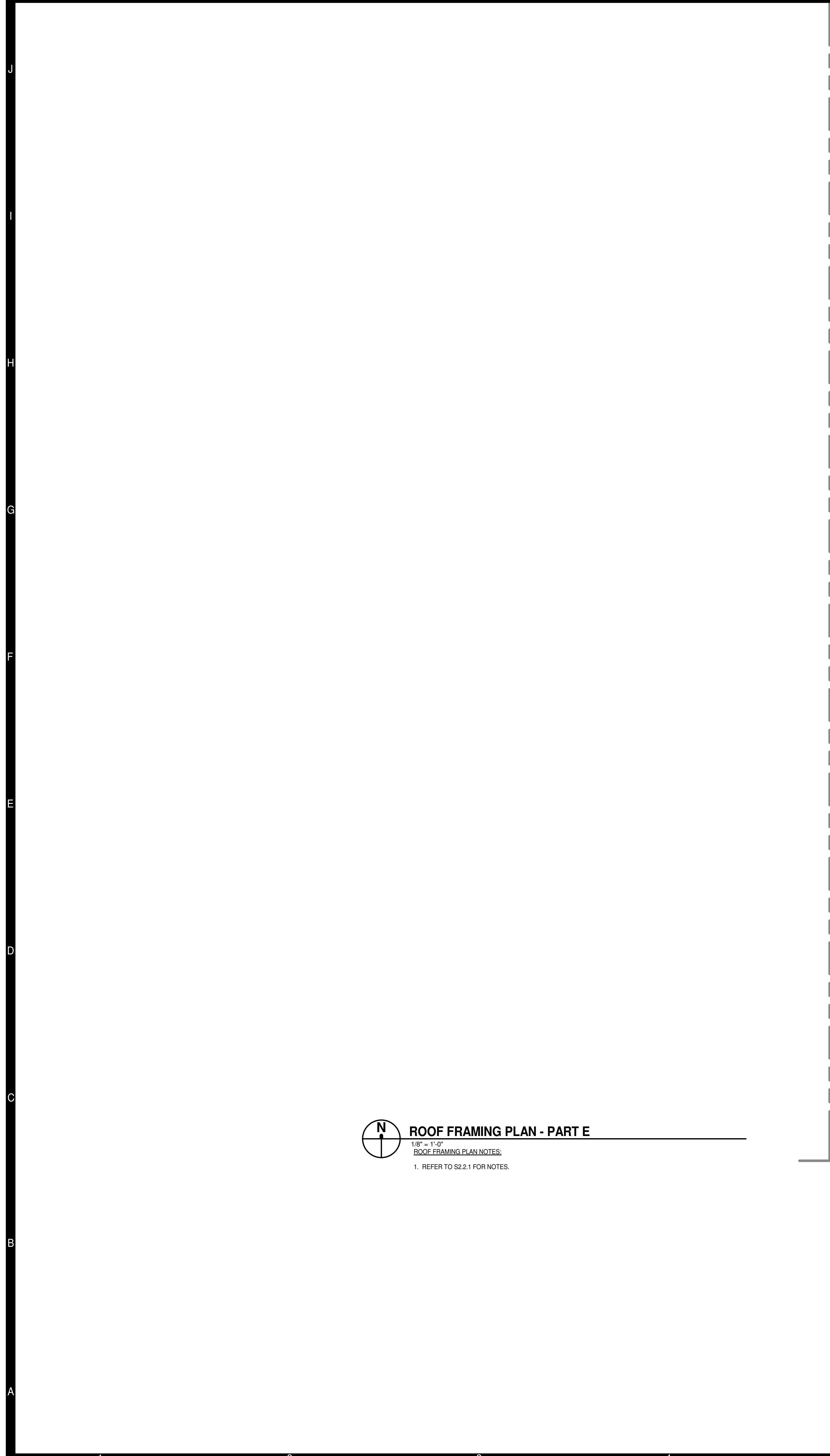
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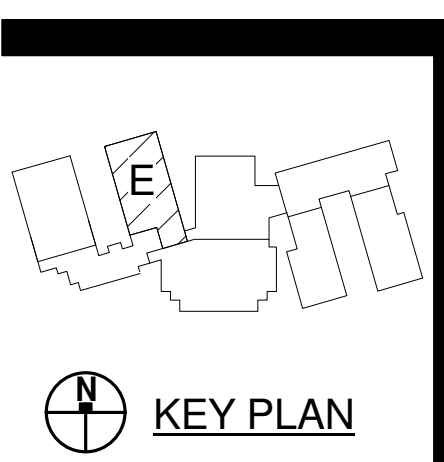
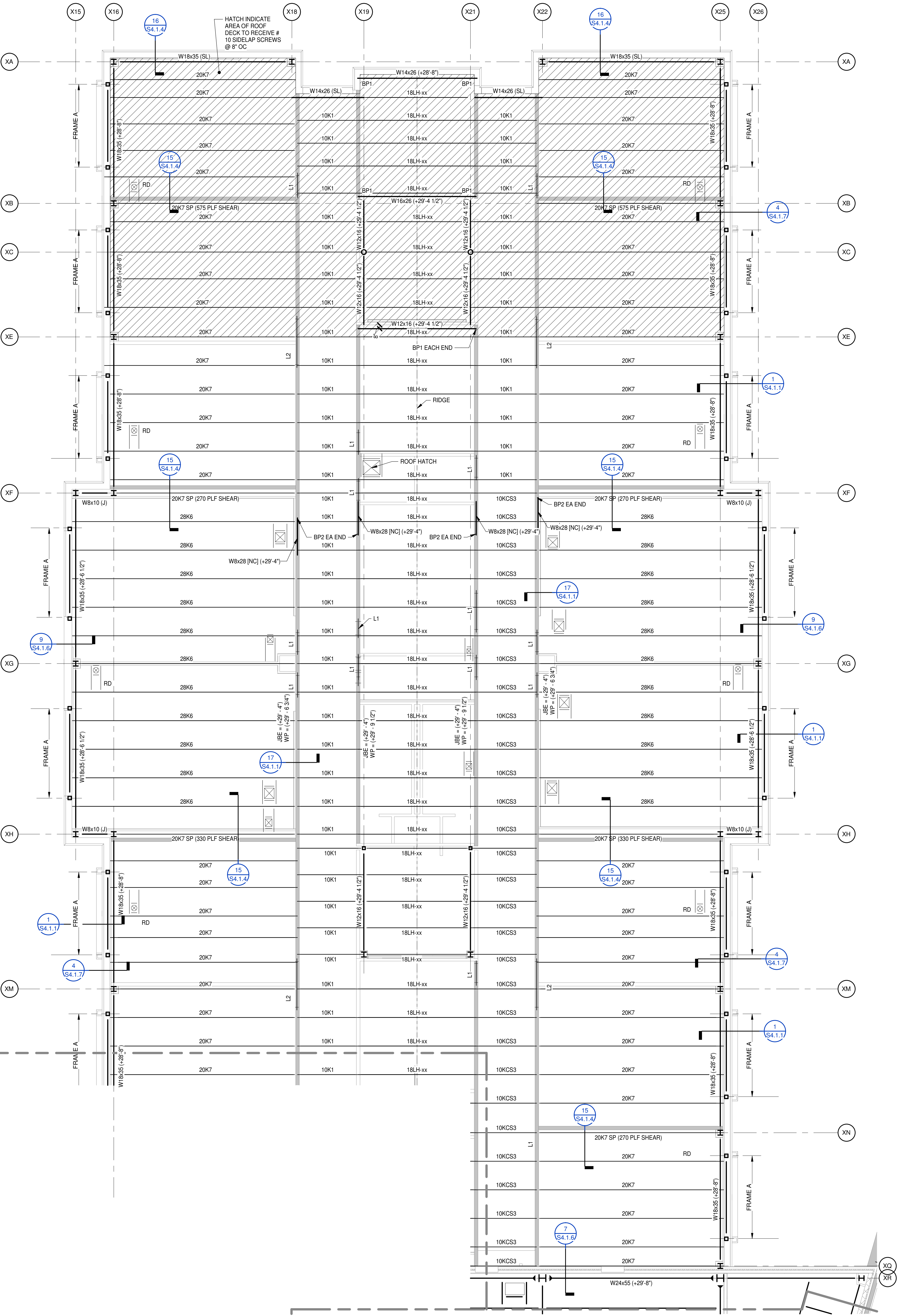
ROOF FRAMING PLAN - PART D
 1/8" = 1'-0"
 ROOF FRAMING PLAN NOTES:
 1. REFER TO S2.2.1 FOR NOTES.



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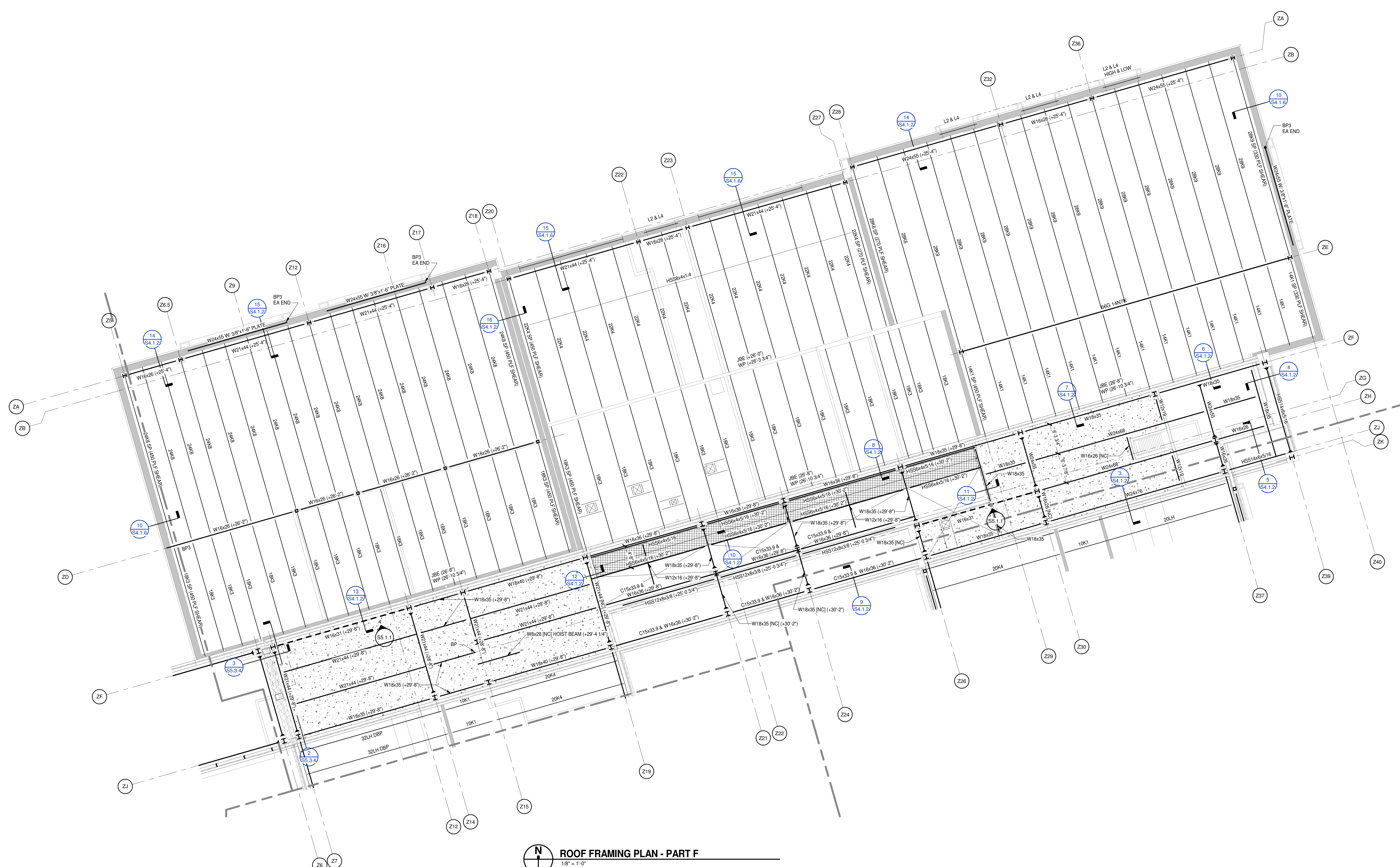


ROOF FRAMING PLAN - PART E
 1/8" = 1'-0"
 ROOF FRAMING PLAN NOTES:
 1. REFER TO S2.2.1 FOR NOTES.

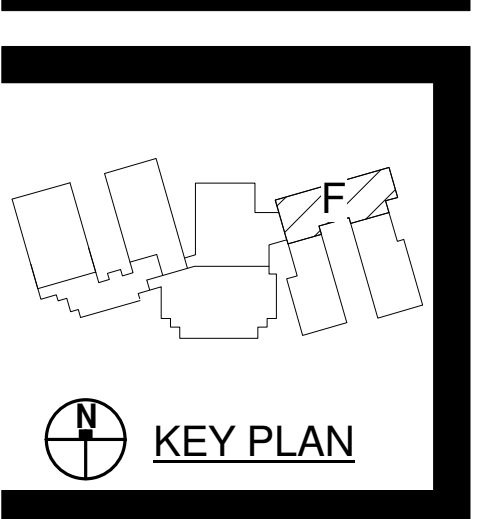


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ROOF FRAMING PLAN - PART F
 1/8" = 1'-0"
 ROOF FRAMING PLAN NOTES:
 1. REFER TO S2.2.1 FOR NOTES.
 NOTE A: METAL BAR GRATING W19-4 (1" x 18") PLAIN SURFACE BEARING BAR.

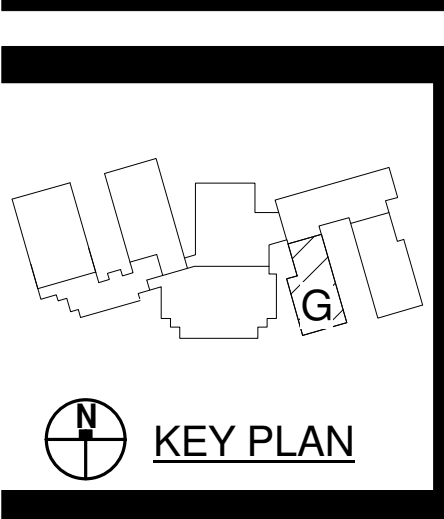
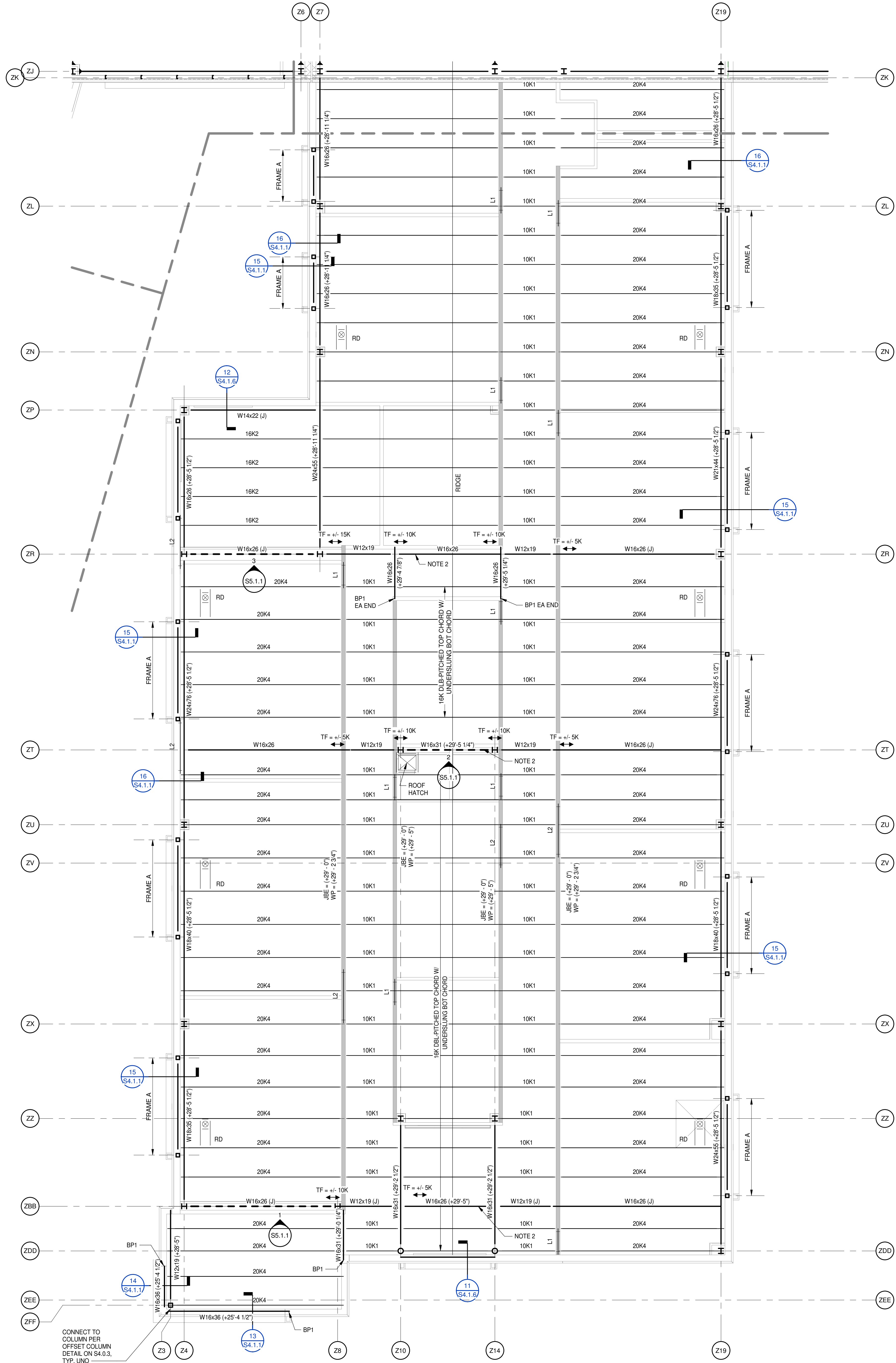


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 Pender County Schools
 Highway 210, Hampstead, NC 28443

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ROOF FRAMING PLAN - PART G

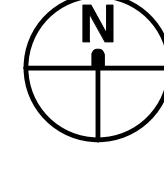
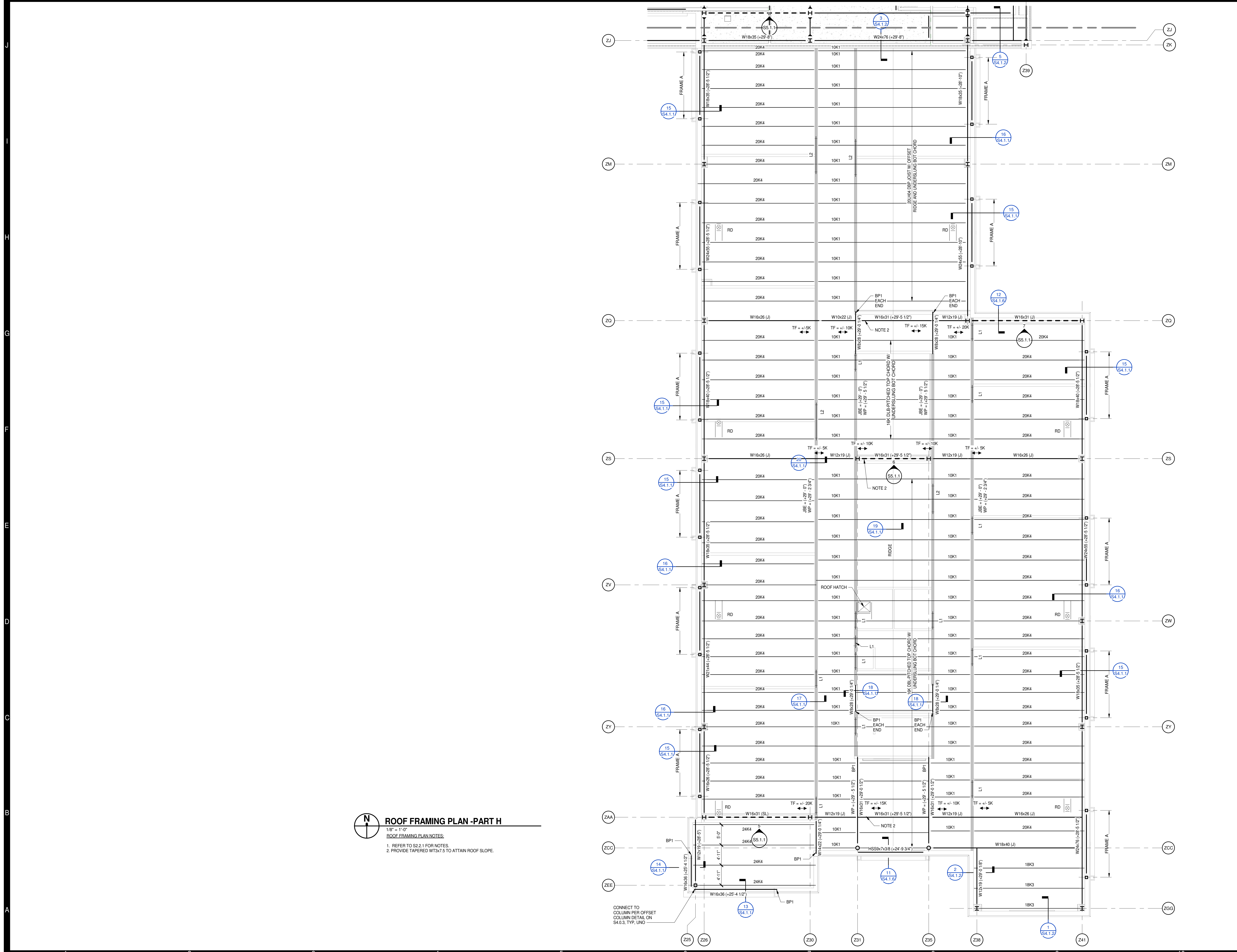
- 1/8" = 1'-0"
 ROOF FRAMING PLAN NOTES:
 1. REFER TO S2.2.1 FOR NOTES.
 2. PROVIDE TAPERED WT3x7.5 TO ATTAIN ROOF SLOPE.



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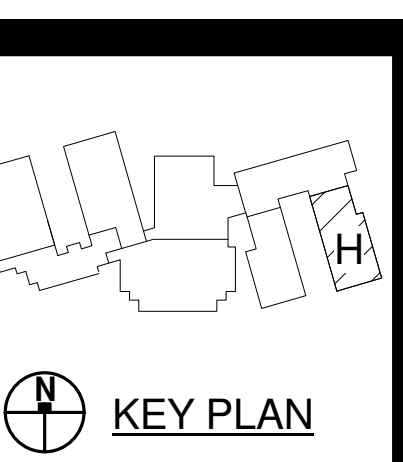
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ROOF FRAMING PLAN -PART H

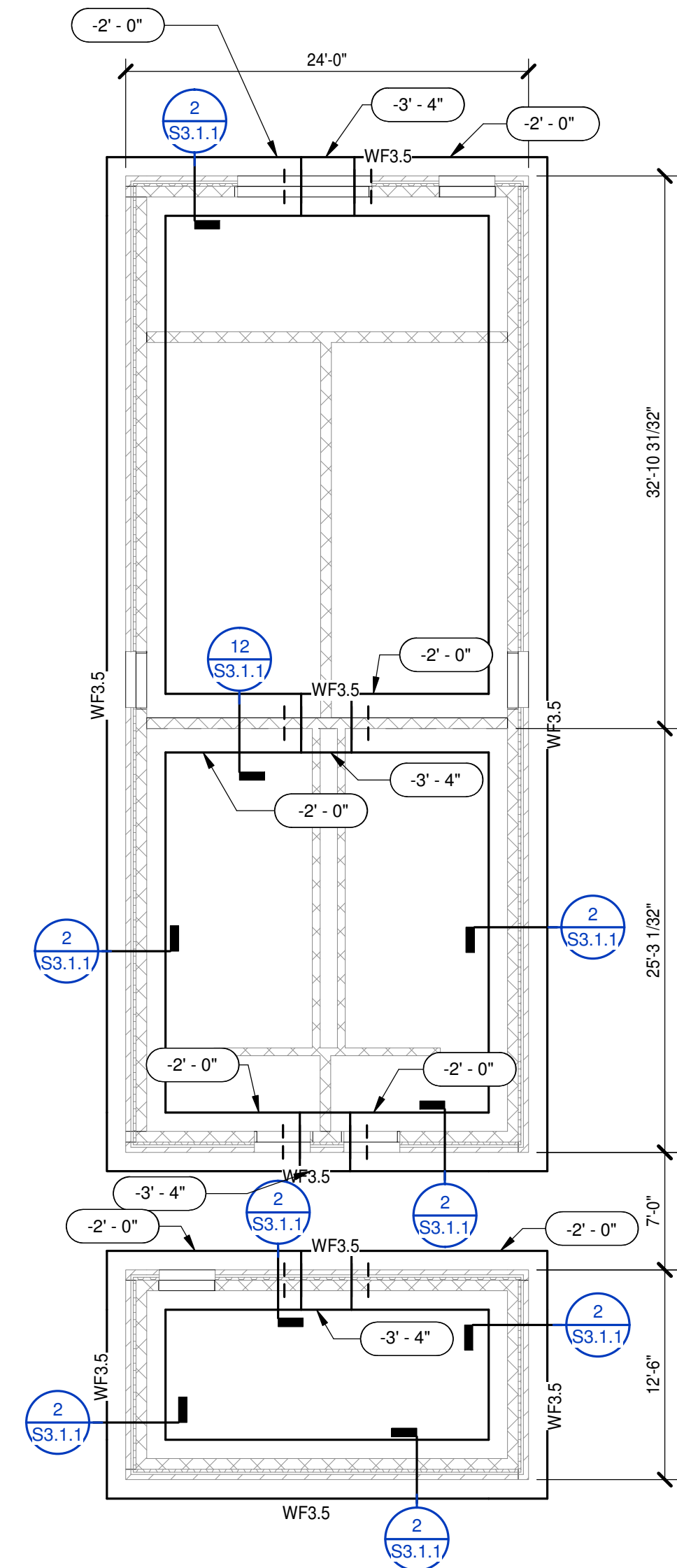
1/8" = 1'-0"
 ROOF FRAMING PLAN NOTES:
 1. REFER TO S2.1 FOR NOTES.
 2. PROVIDE TAPERED WT3x7.5 TO ATTAIN ROOF SLOPE.

CONNECT TO COLUMN PER OFFSET COLUMN DETAIL ON S4.0.3, TYP, UNO

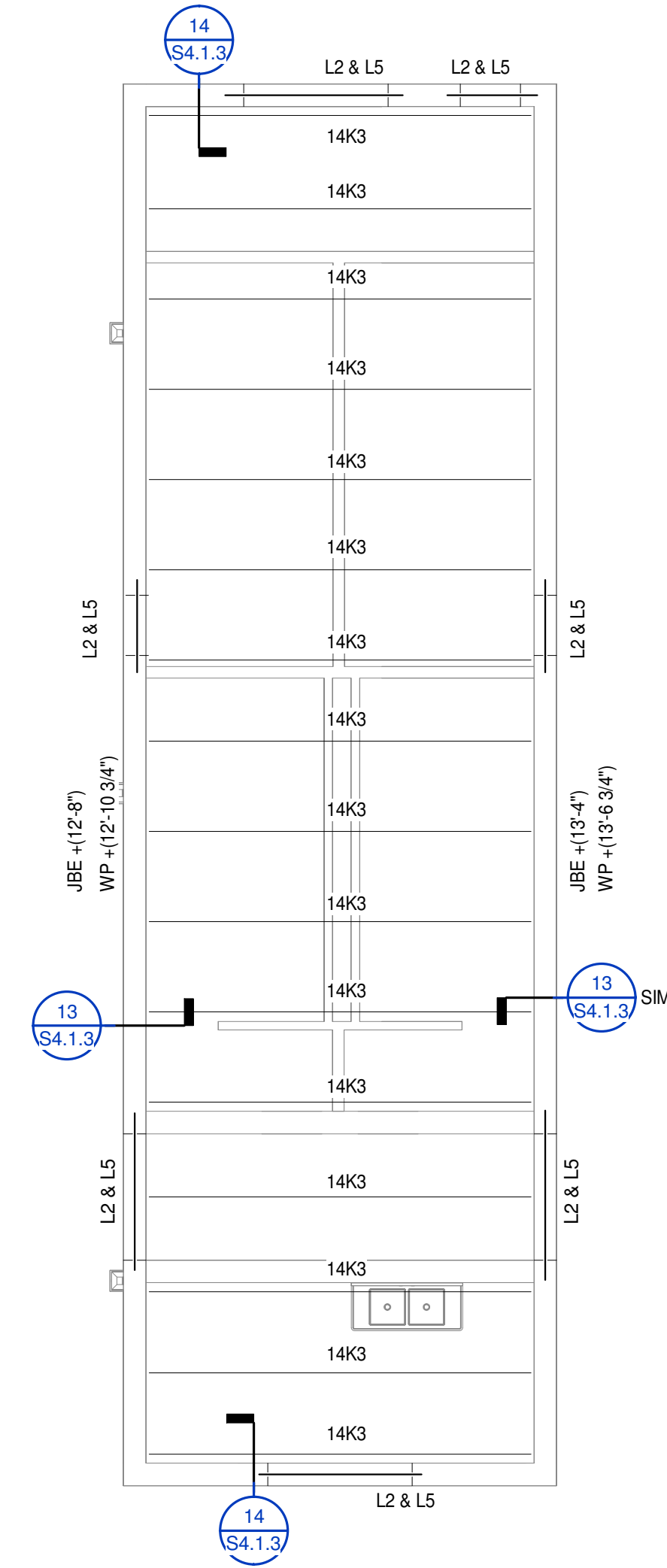


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FOUNDATION PLAN - FIELD HOUSE
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.
 2. REFER TO CIVIL DRAWINGS FOR FIN FLR ELEVATION.

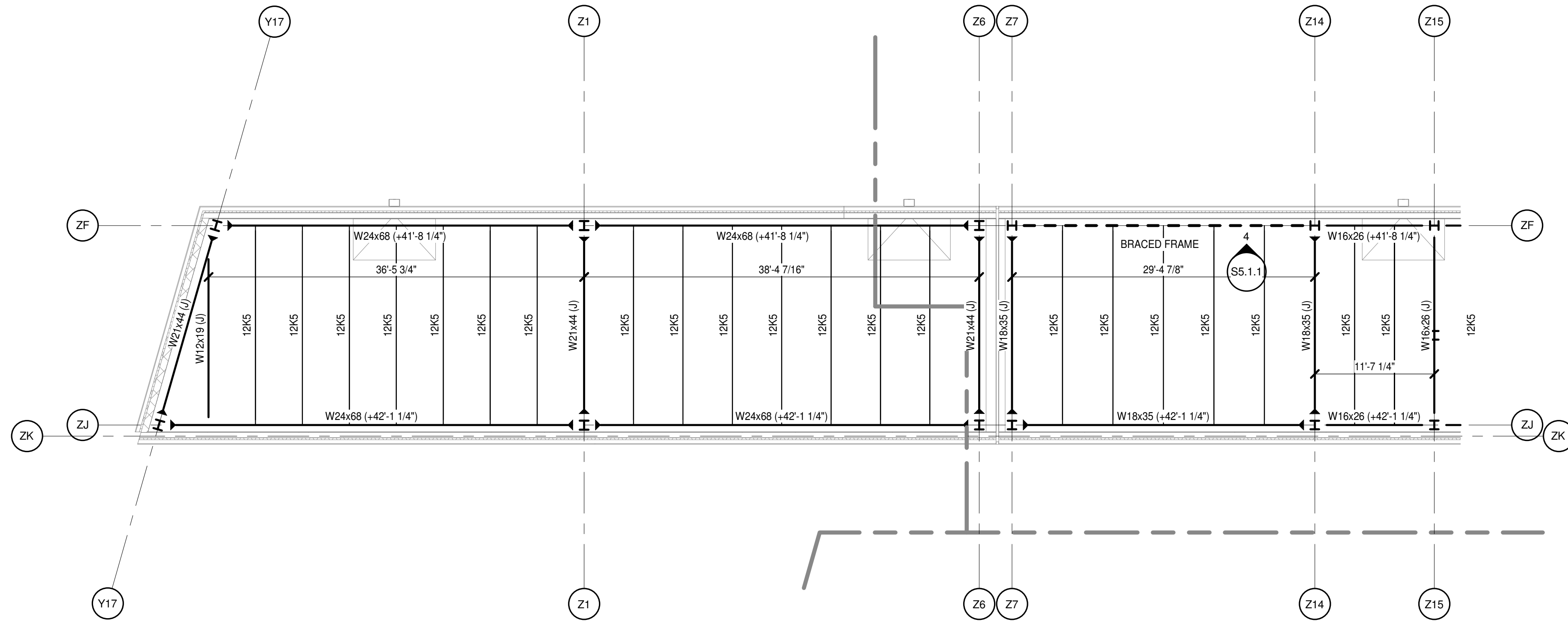


FIELD HOUSE ROOF FRAMING
 1/8" = 1'-0"
 NOTES:
 1. REFER TO S2.2.1 FOR ROOF FRAMING PLAN NOTES.

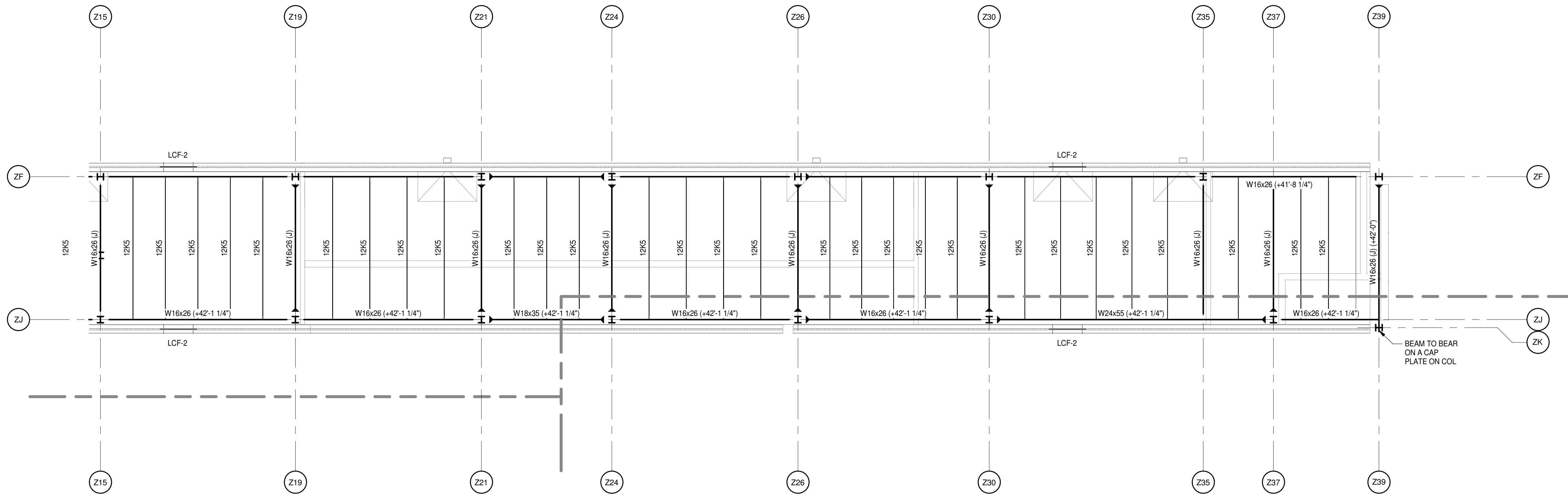


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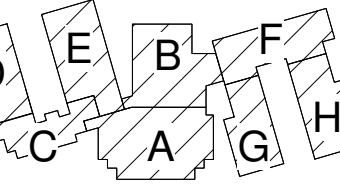
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PENTHOUSE ROOF FRAMING PLAN - PART E AND F
 1/8" = 1'-0"
 ROOF FRAMING PLAN NOTES:
 1. REFER TO S2.2.1 FOR NOTES.



PENTHOUSE ROOF FRAMING PLAN - PART F
 1/8" = 1'-0"
 ROOF FRAMING PLAN NOTES:
 1. REFER TO S2.2.1 FOR NOTES.

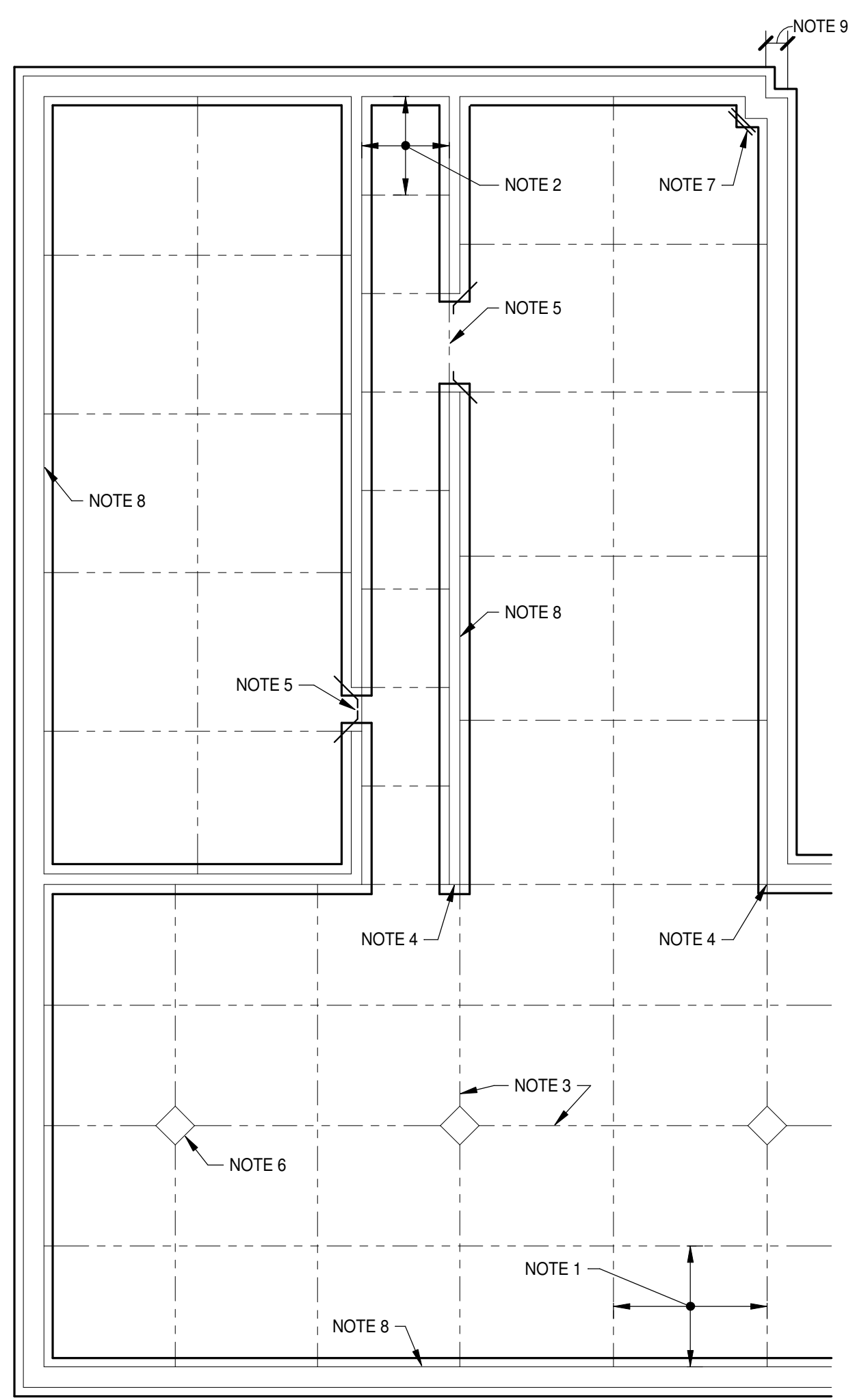


KEY PLAN

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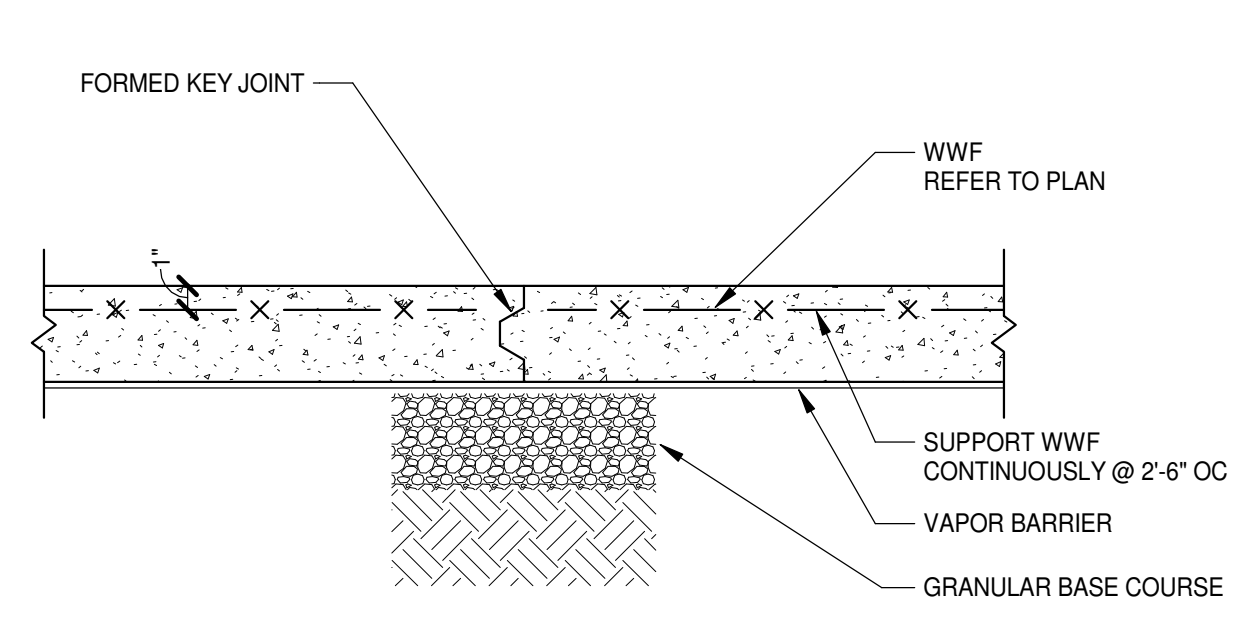


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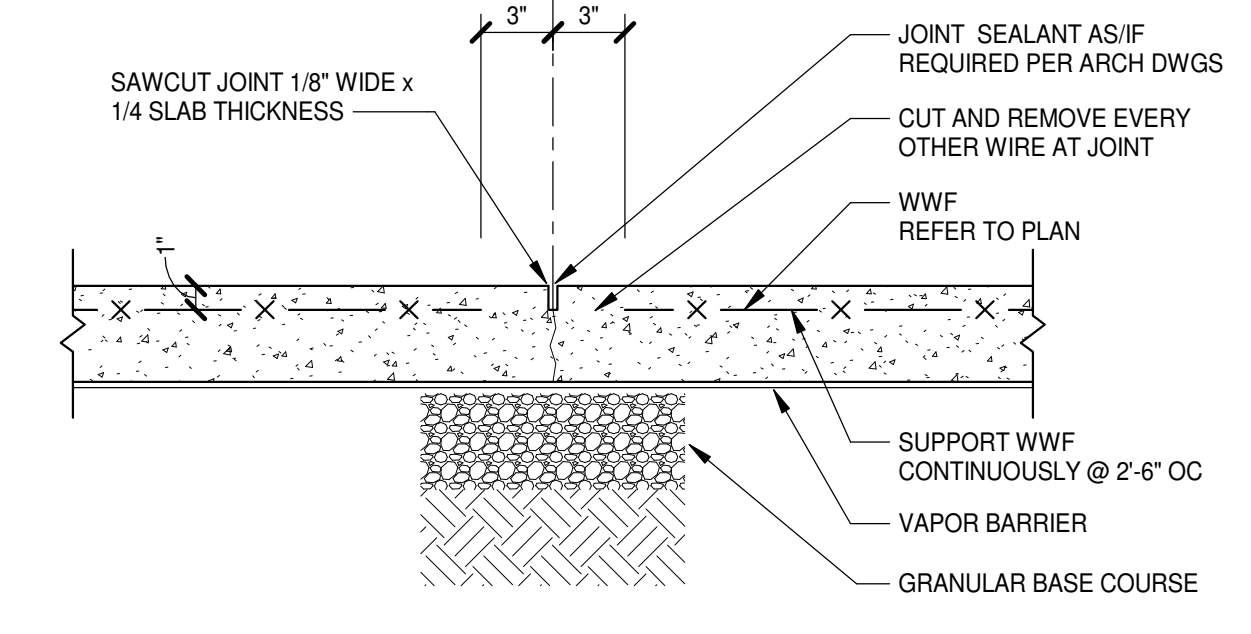
SLAB-ON-GRADE JOINT LAYOUT GUIDELINES
 NO SCALE

- NOTES:**
1. PROVIDE CONTROL JOINTS IN SLABS ON GRADE WITHIN THE BUILDING SUCH THAT THE AREA BOUNDED BY CONTROL JOINTS DOES NOT EXCEED 225 SQUARE FEET AND JOINT SPACING DOES NOT EXCEED 15'-0" ON CENTER IN ANY ONE DIRECTION.
 2. THE RATIO OF LENGTH TO WIDTH OF THE AREA BOUNDED BY CONTROL JOINTS SHALL NOT EXCEED 1.5 TO 1.
 3. LOCATE CONSTRUCTION JOINTS AND OR CONTROL JOINTS AT COLUMN CENTERLINES.
 4. LOCATE CONSTRUCTION JOINTS AND OR CONTROL JOINTS AT RE-ENTRANT CORNERS.
 5. LOCATE CONSTRUCTION JOINTS PER "PLAN DETAIL AT INTERIOR DOORS".
 6. PROVIDE DIAMOND OR CIRCULAR BLOCKOUTS AT COLUMNS.
 7. REINFORCE ALL RE-ENTRANT CORNERS OF SLAB PER "SLAB REINFORCING AT RE-ENTRANT CORNERS".
 8. PROVIDE BOND BREAK WHERE FLOOR ABUTS CMU OR CONCRETE WALL UNLESS NOTED OTHERWISE.
 9. CONTROL JOINT NOT REQUIRED IF DIMENSION AT RE-ENTRANT CORNER IS 2'-0" OR LESS. PROVIDE REINFORCING PER "SLAB REINFORCING AT RE-ENTRANT CORNER".
 10. CONTROL JOINT / CONSTRUCTION JOINT PLANS SHALL BE SUBMITTED IF NOT SHOWN ON FOUNDATION PLANS.



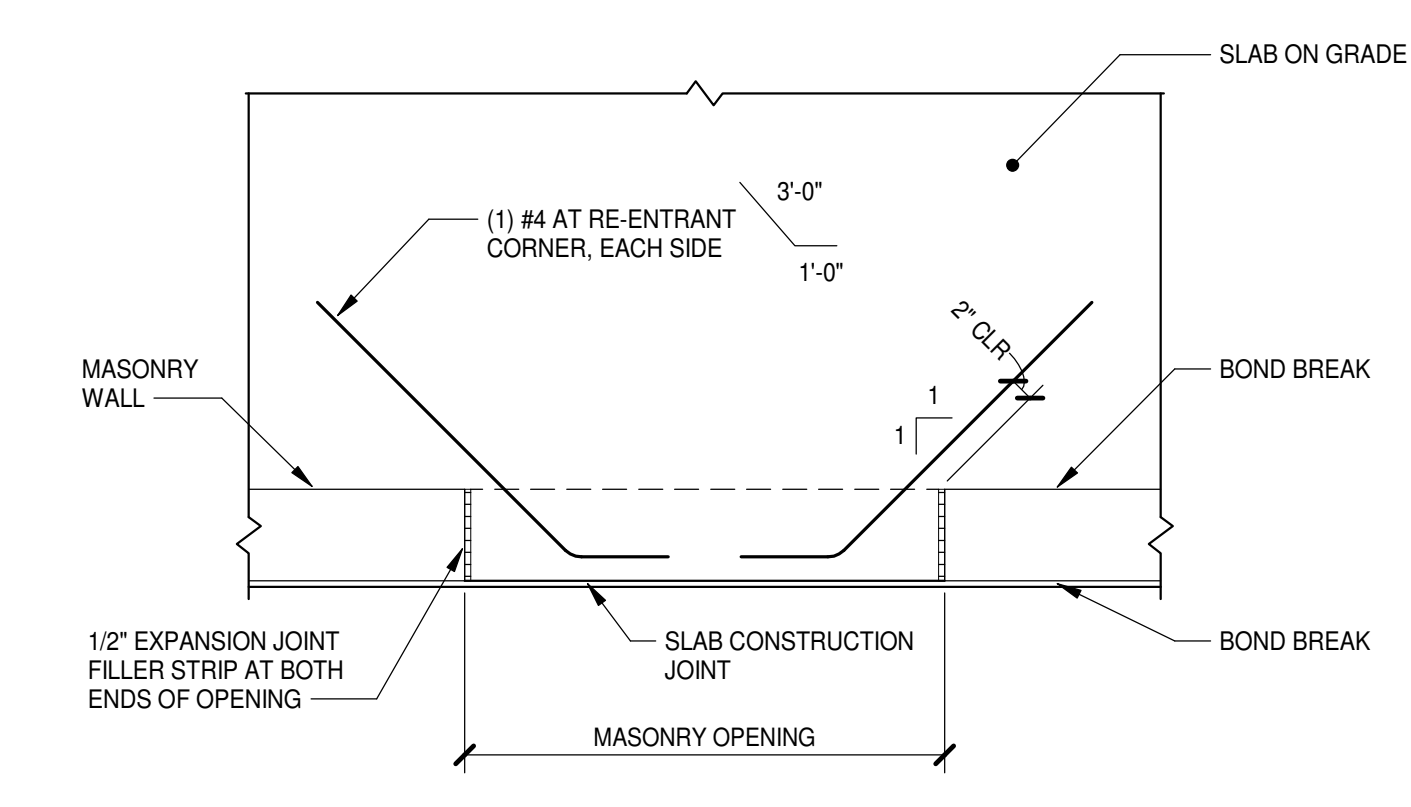
CONSTRUCTION JOINT

SLAB-ON-GRADE JOINT DETAILS
 NO SCALE



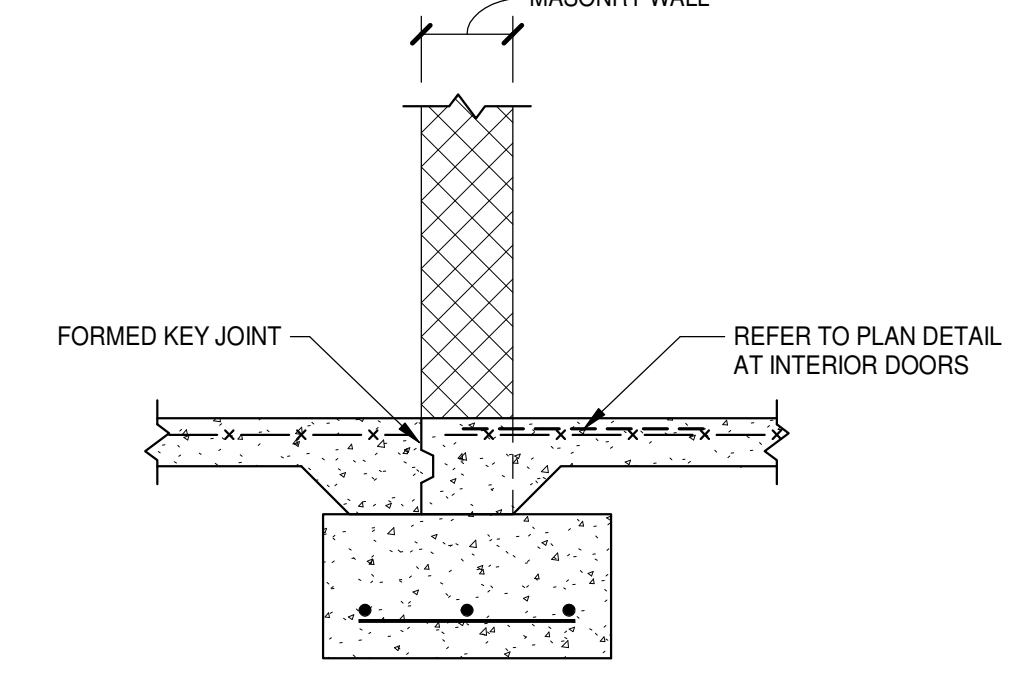
CONTROL JOINT

- NOTES:**
1. SAWCUT AS SOON AS CONCRETE WILL SUPPORT EQUIPMENT AND EARLY ENOUGH TO PREVENT CRACKING. DO NOT DISLodge AGGREGATE.
 2. CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT.

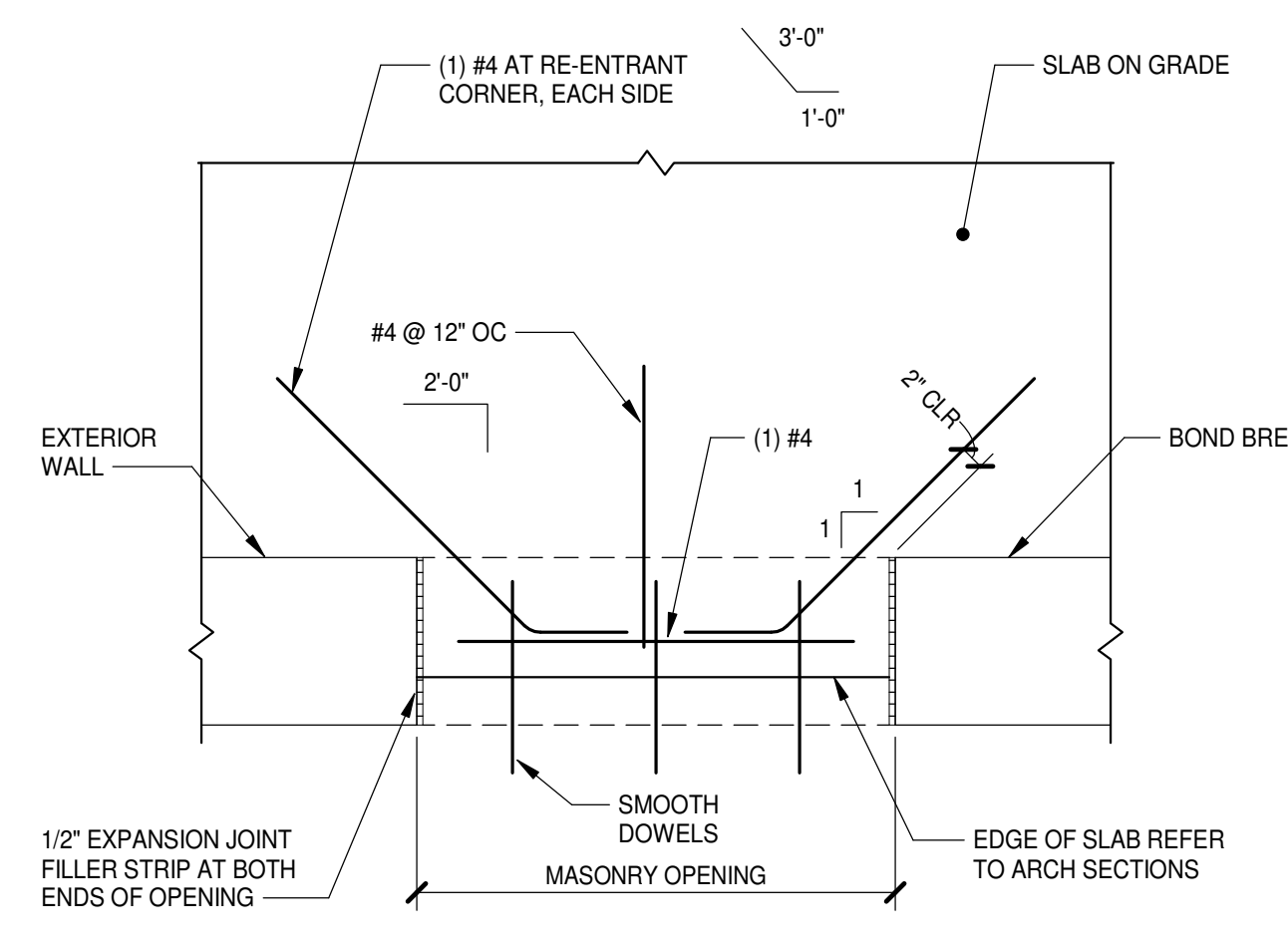


PLAN AT INTERIOR DOORS

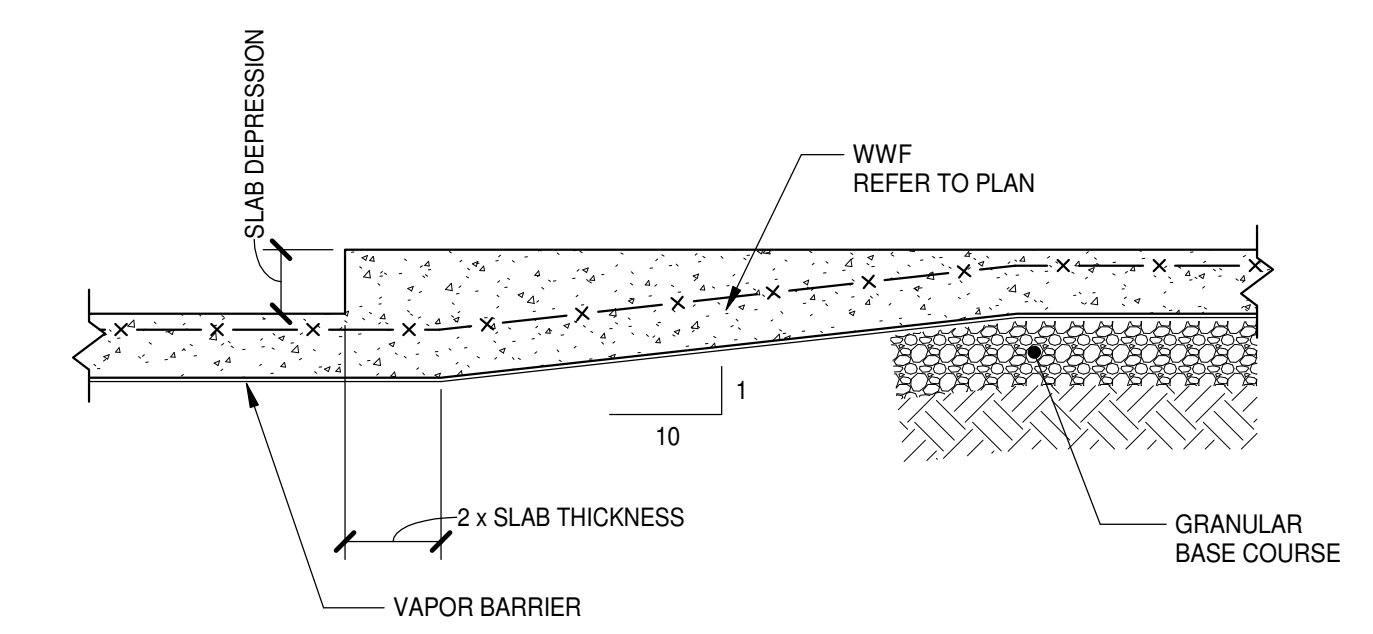
SLAB ON GRADE DETAILS AT DOORS
 NO SCALE



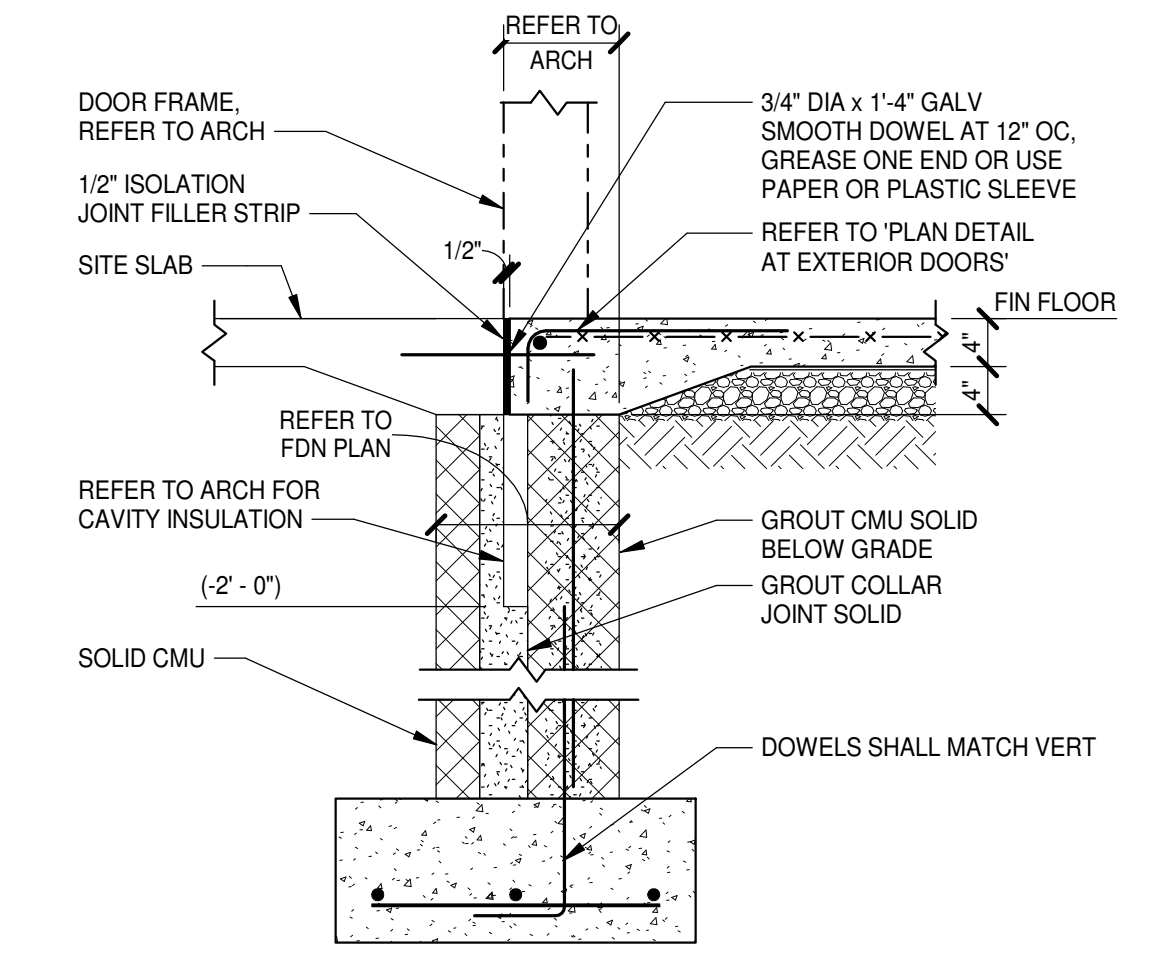
SECTION AT INTERIOR DOORS



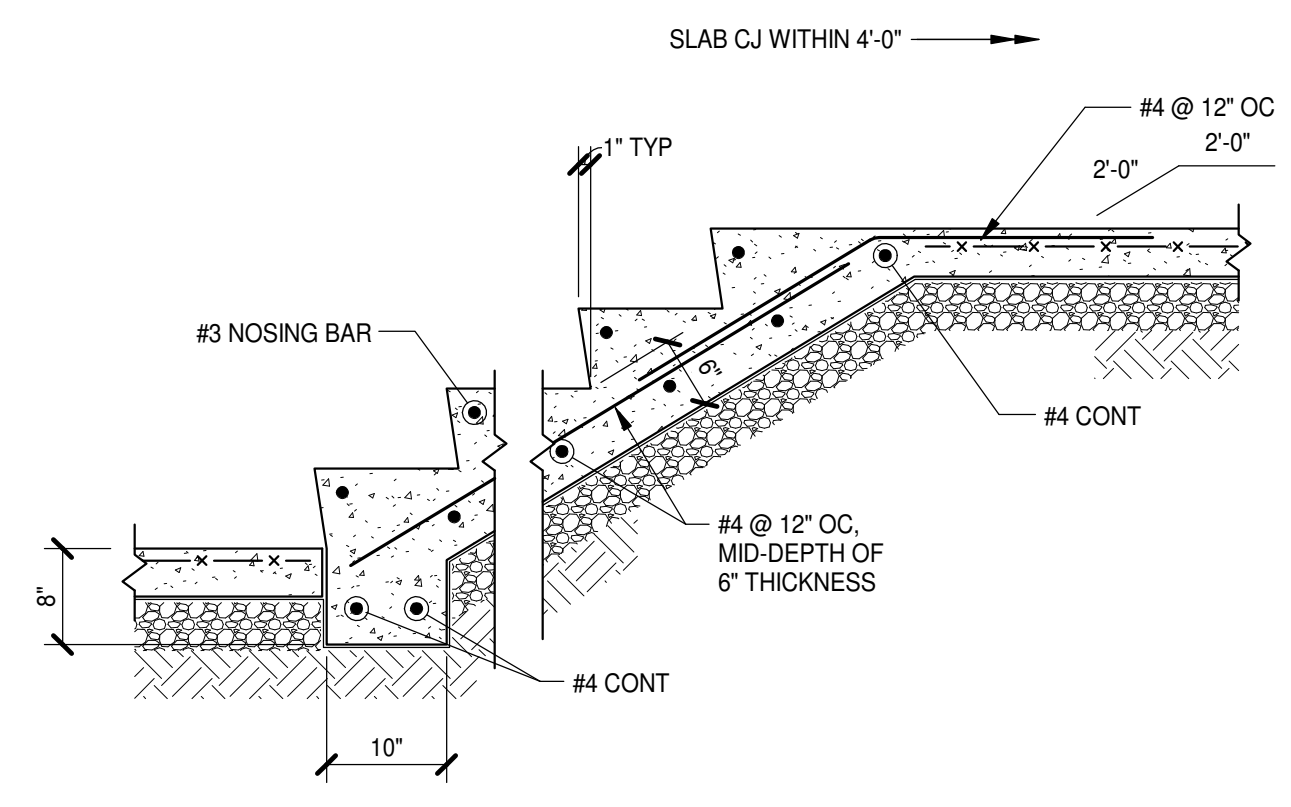
PLAN AT EXTERIOR DOORS



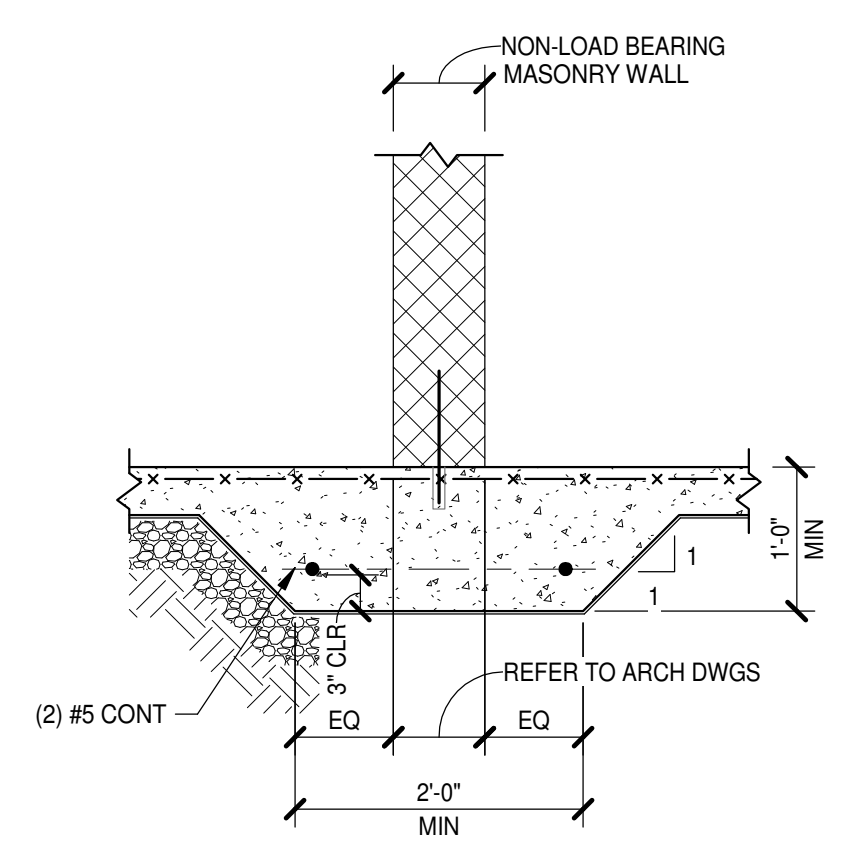
DETAIL AT SLAB DEPRESSION
 NO SCALE



SECTION AT EXTERIOR DOORS

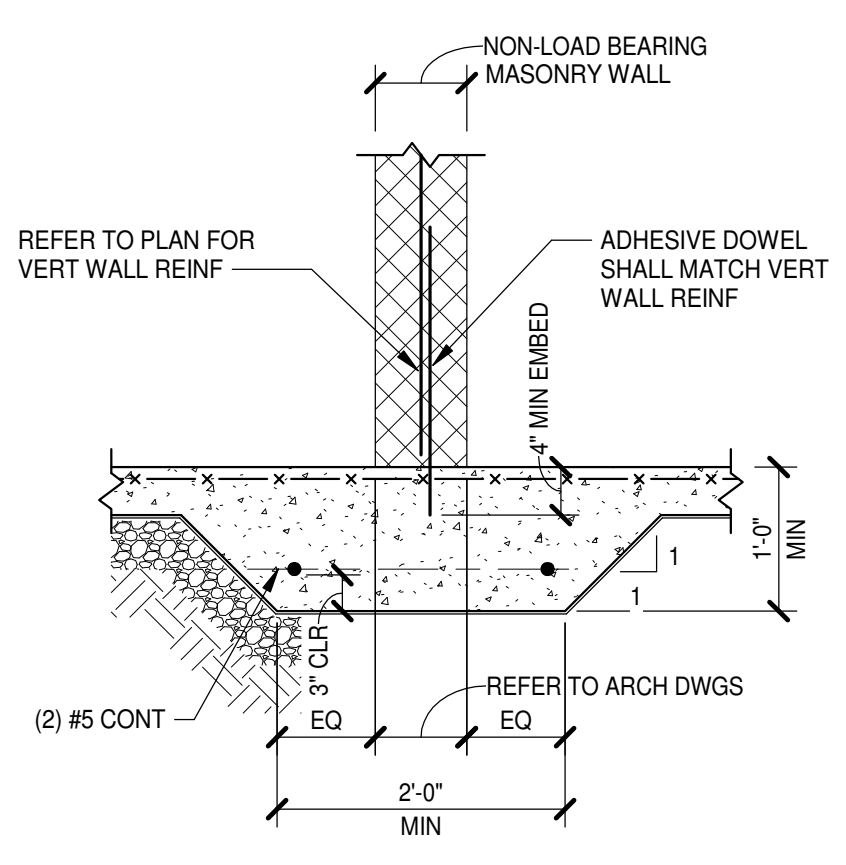


INTERIOR CONCRETE STAIR DETAIL
 NO SCALE

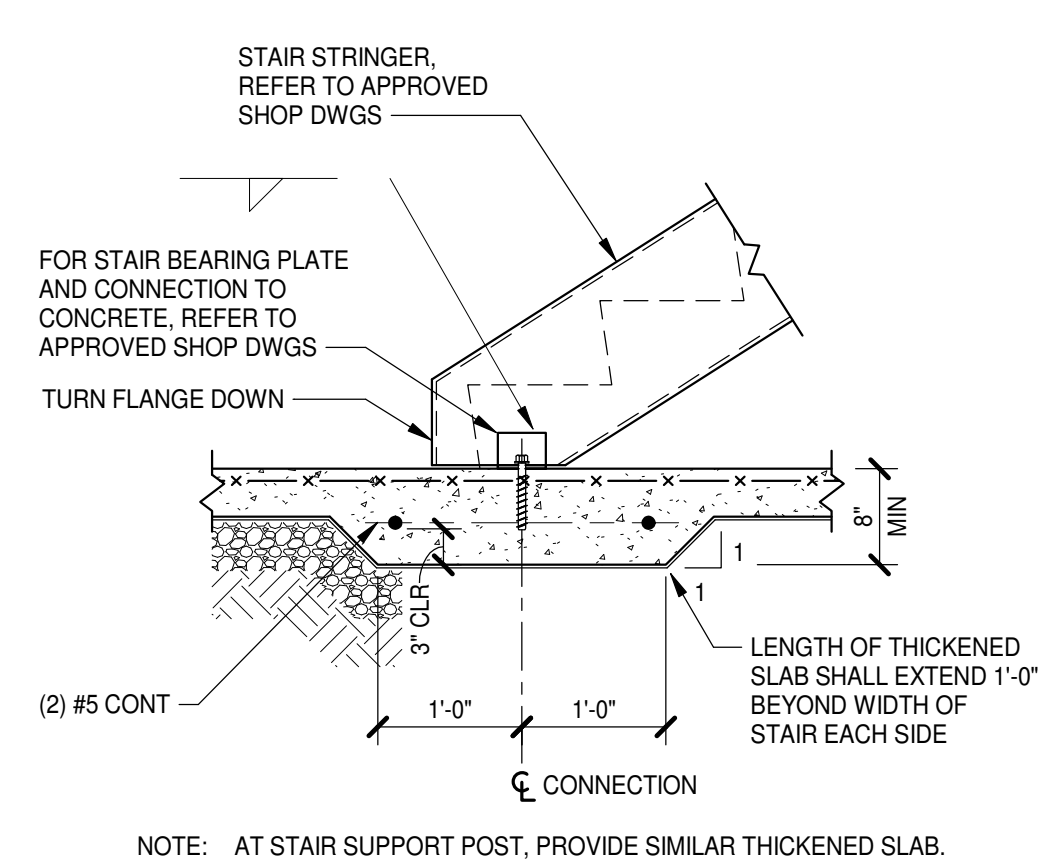


UNREINFORCED WALLS

THICKENED SLAB ON GRADE DETAILS
 NO SCALE



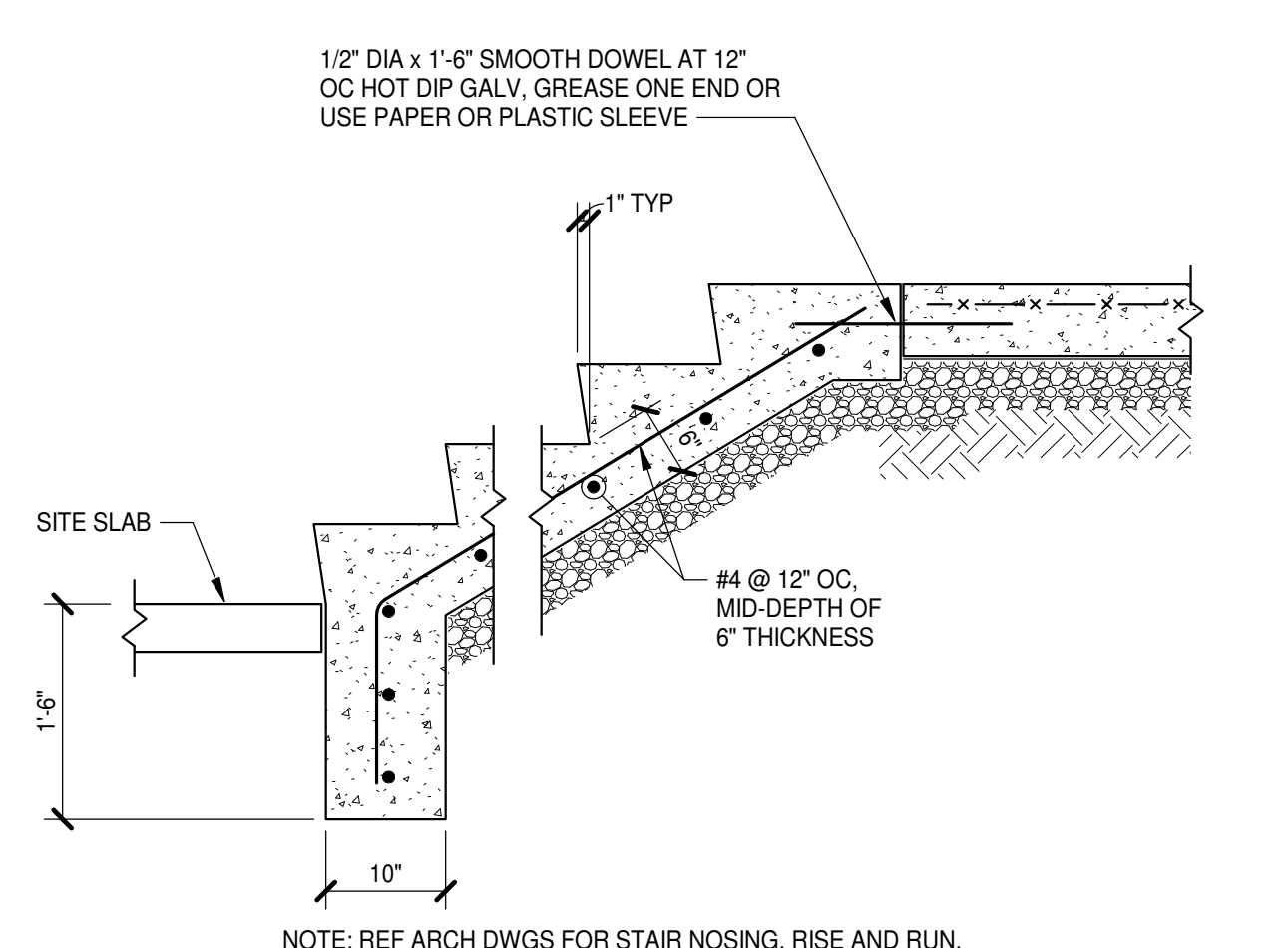
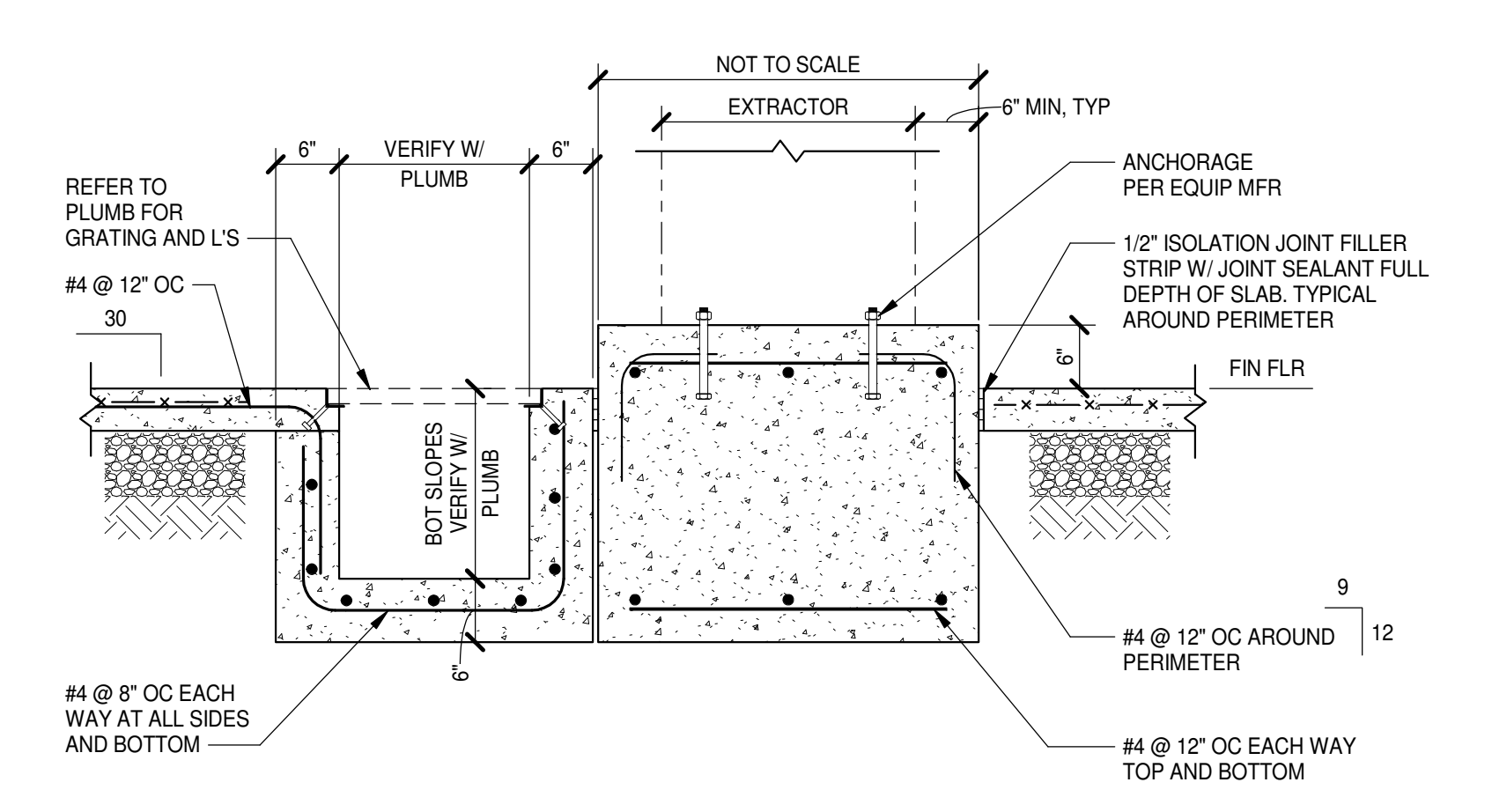
NON-LOAD BEARING REINFORCED WALLS



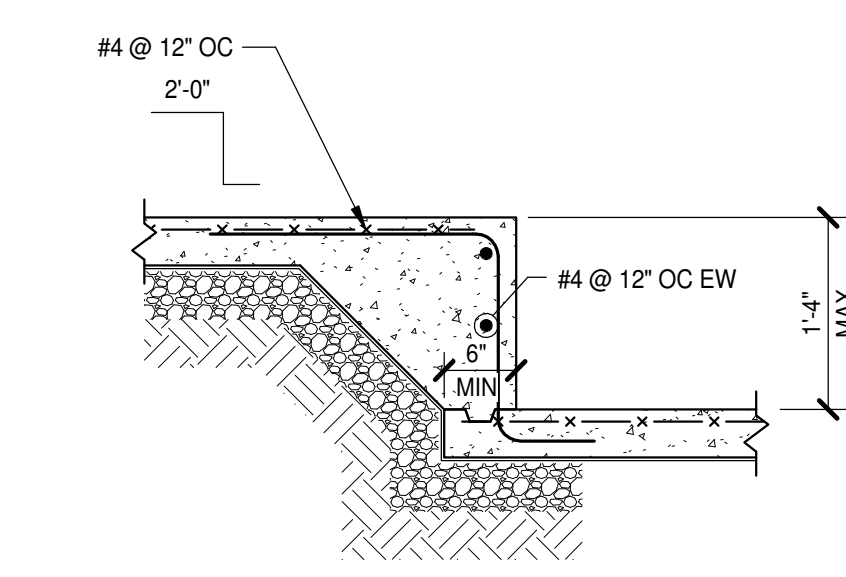
STAIR

5

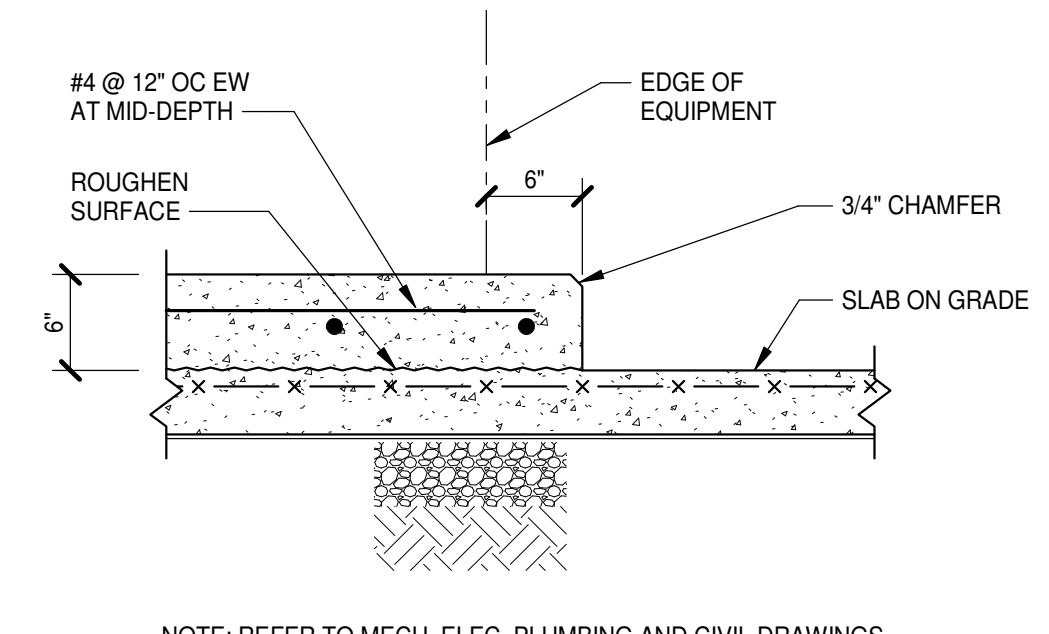
TYPICAL EXTRACTOR PAD DETAIL
 S3.0.2 3/4" = 1'-0"



EXTERIOR CONCRETE STAIR DETAIL
 NO SCALE

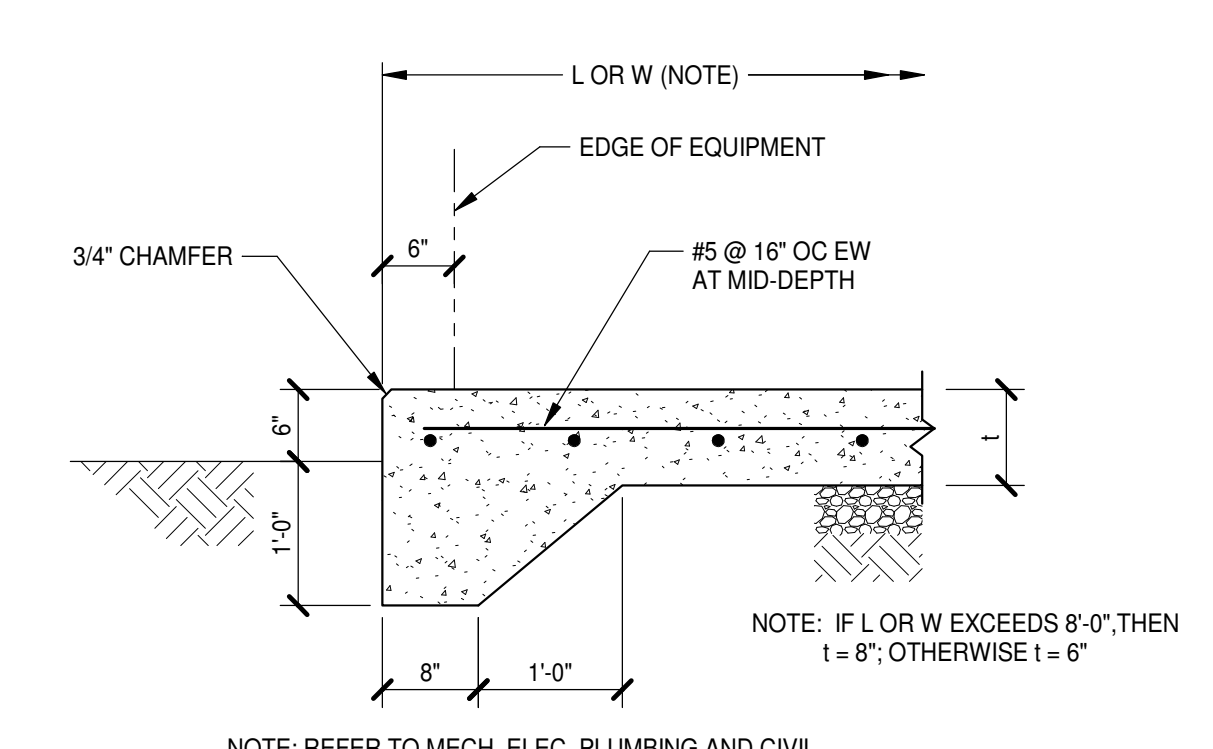


STEP IN SLAB ON GRADE
 NO SCALE

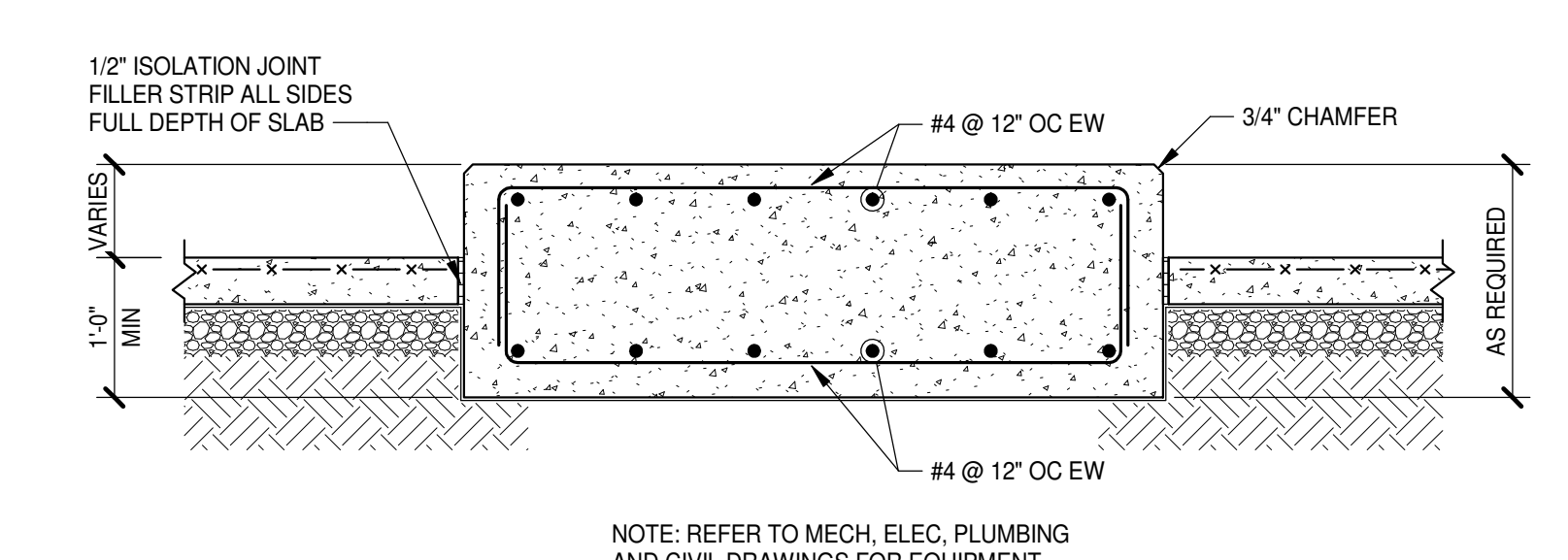


HOUSEKEEPING PAD

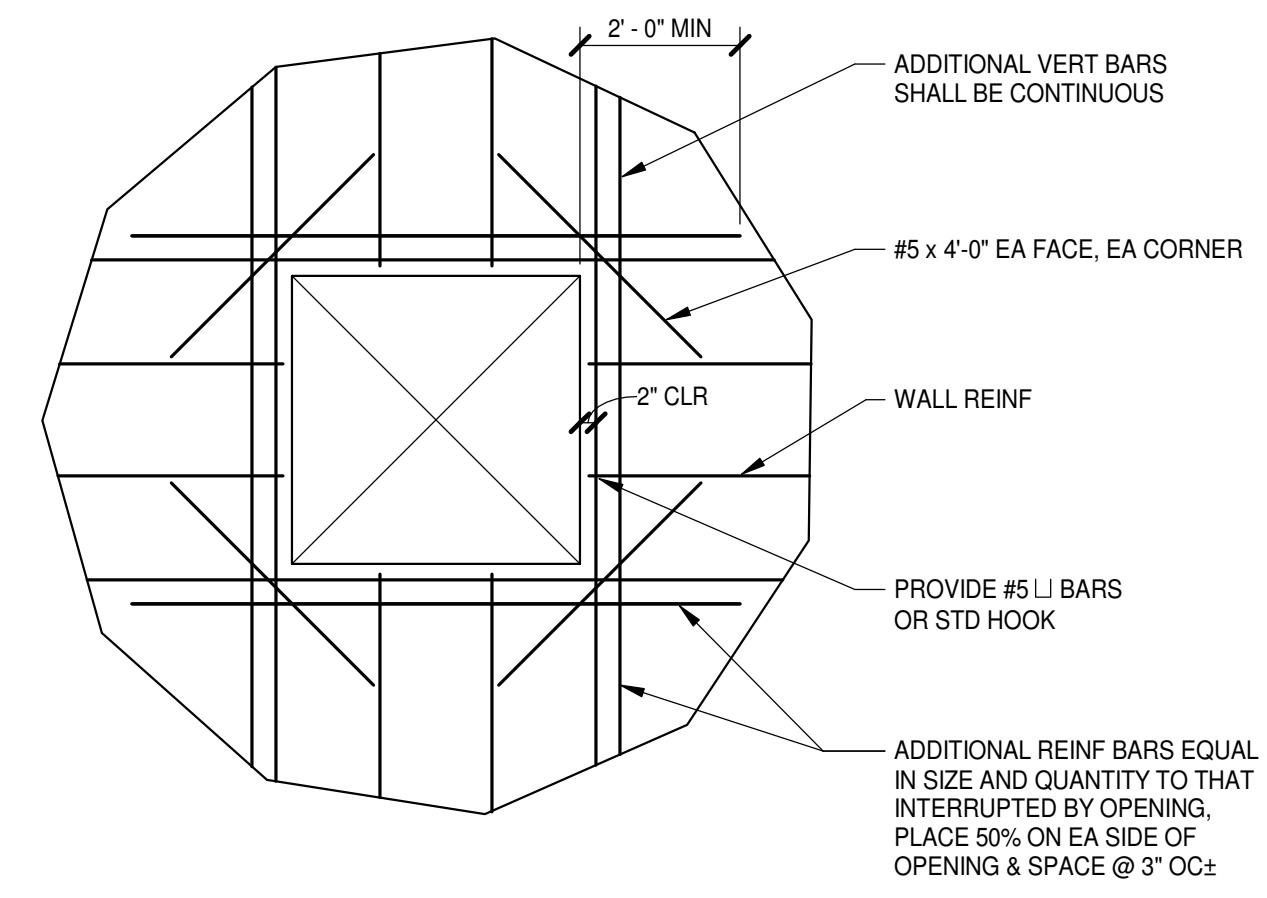
EQUIPMENT PAD DETAILS
 NO SCALE



EXTERIOR EQUIPMENT PAD



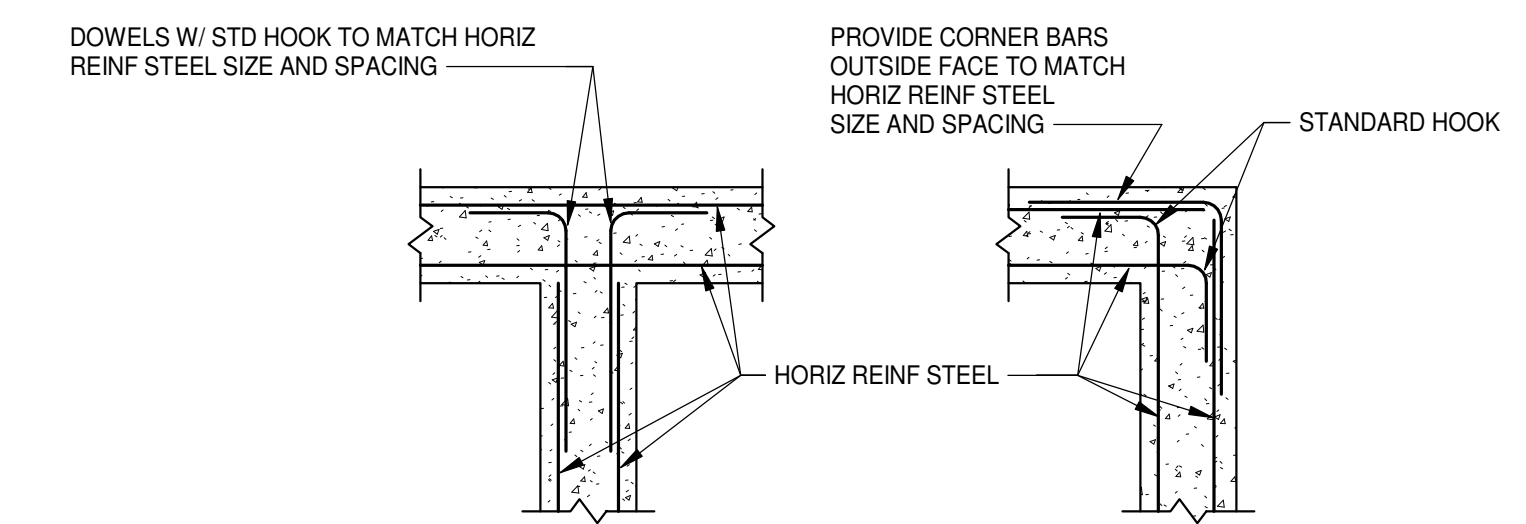
HEAVY EQUIPMENT PAD



OPENING IN CONCRETE WALL

NO SCALE

NOTE: NOT REQUIRED FOR OPENINGS < 12".

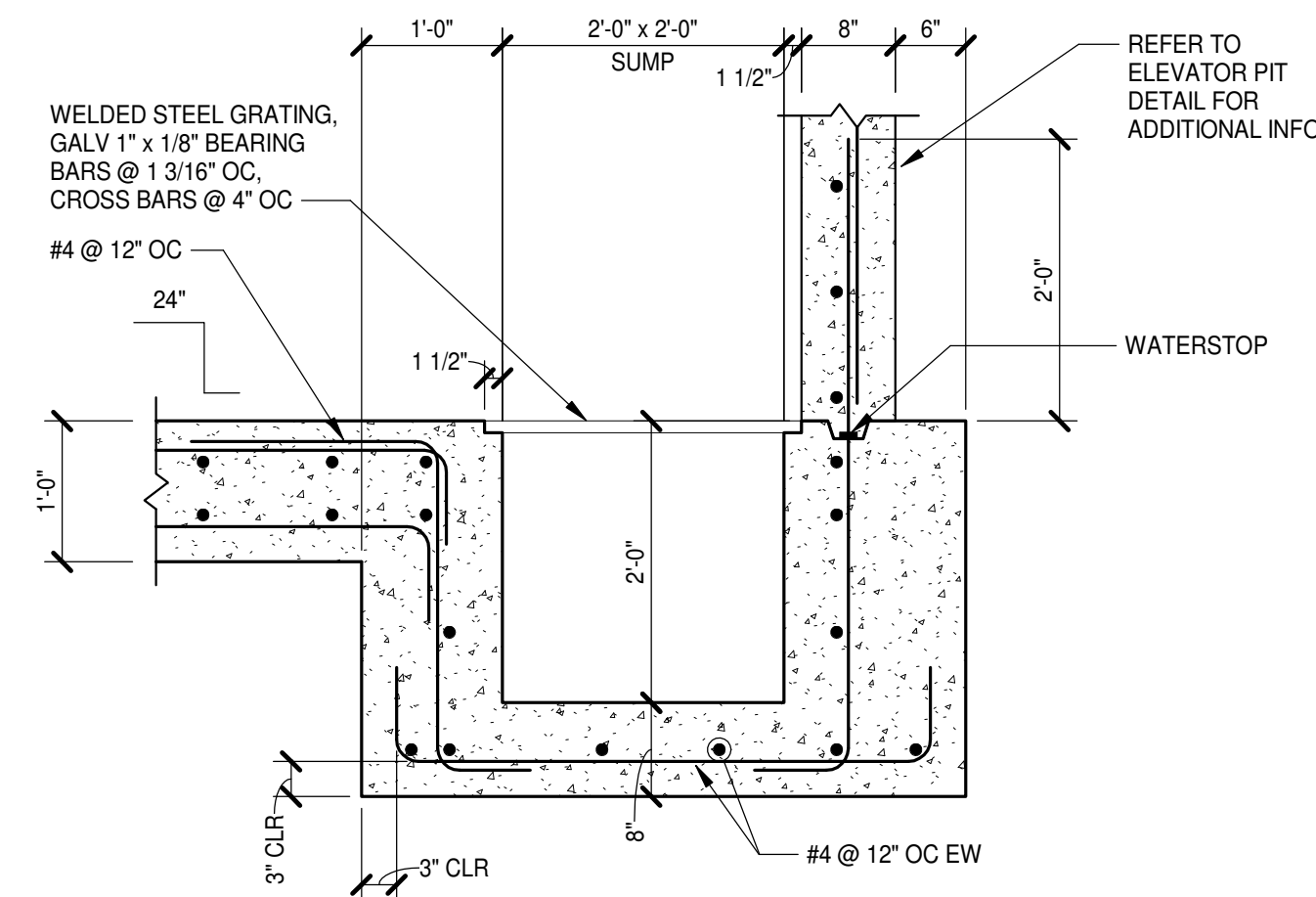


INTERSECTION

CORNER

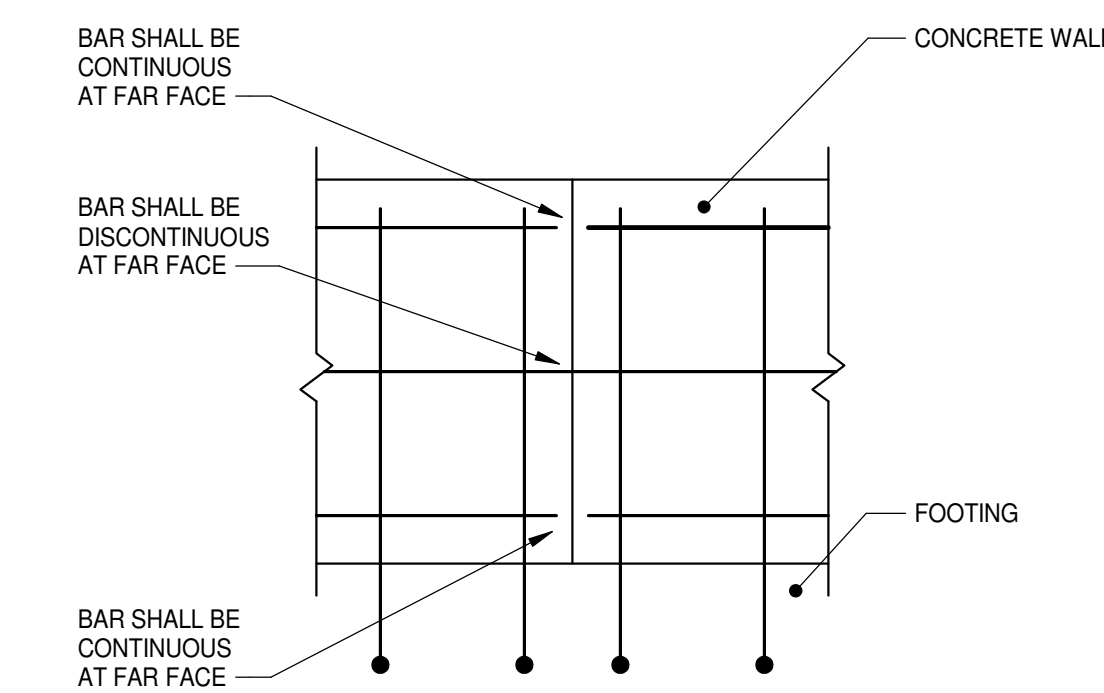
CONCRETE WALL DETAILS

NO SCALE



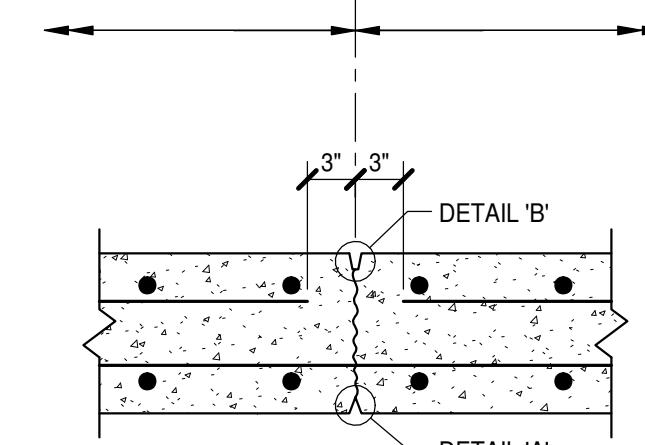
ELEVATOR SUMP DETAIL

NO SCALE



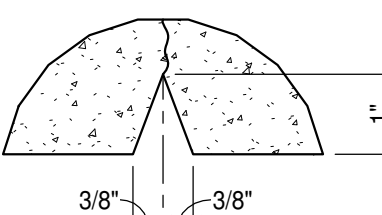
ELEVATION AT CONTROL JOINT

CONTROL JOINTS IN CONCRETE WALLS @ 30'-0" OC MAX



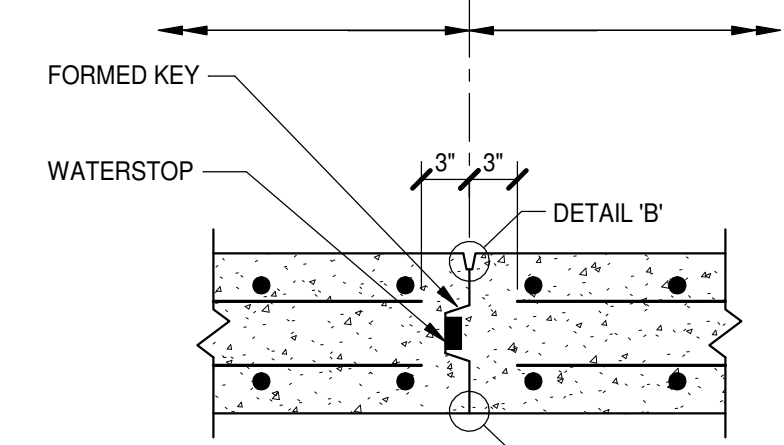
INTERRUPT 1/2 ALL HORIZONTAL WALL REINFORCING AT CONTROL JOINT. ALTERNATE CONTINUOUS REINFORCING IN EACH HORIZONTAL CURTAIN.

CONTROL JOINT



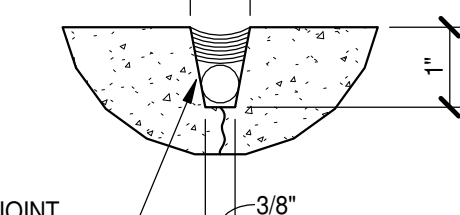
DETAIL 'A'

CONSTRUCTION JOINTS MAY REPLACE CONTROL JOINTS AT CONTRACTORS OPTION



NO RECESS IF EXTERIOR FACED WITH WATERPROOFING
INTERRUPT ALL HORIZONTAL WALL REINFORCING AT CONSTRUCTION JOINT.

CONSTRUCTION JOINT



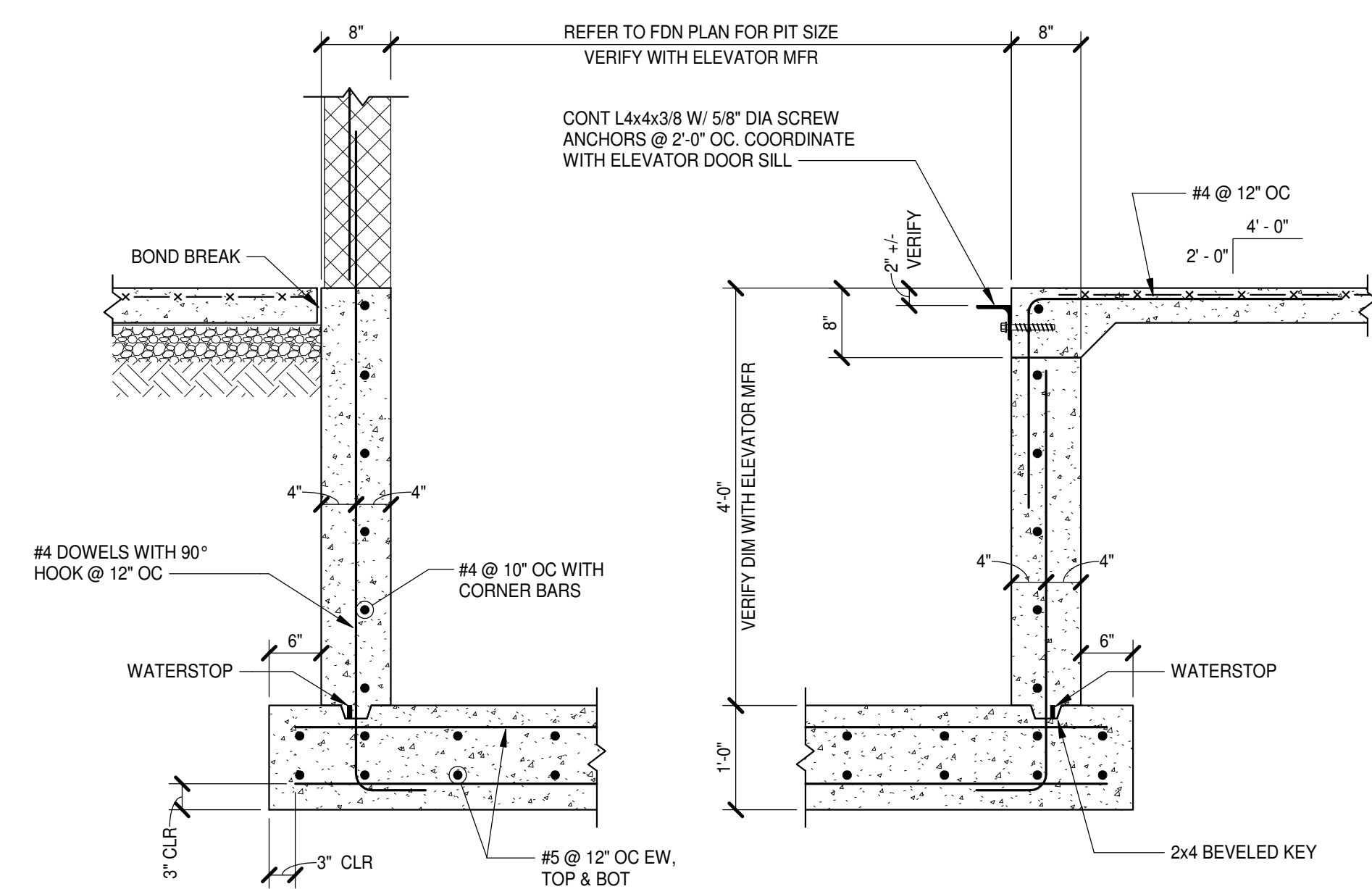
BACKER ROD & ELASTOMERIC JOINT SEALANT REFER TO SPECIFICATIONS

DETAIL 'B'

DETAIL 'A' APPLIES AT:
1. INTERIOR FACE IF SEALANT IS NOT INDICATED
DETAIL 'B' APPLIES AT:
1. INTERIOR FACE IF SEALANT IS INDICATED
2. EXTERIOR FACE IF EXPOSED

CIP CONCRETE WALL CONTROL & CONSTRUCTION JOINT DETAILS

NO SCALE



ELEVATOR PIT DETAIL

NO SCALE



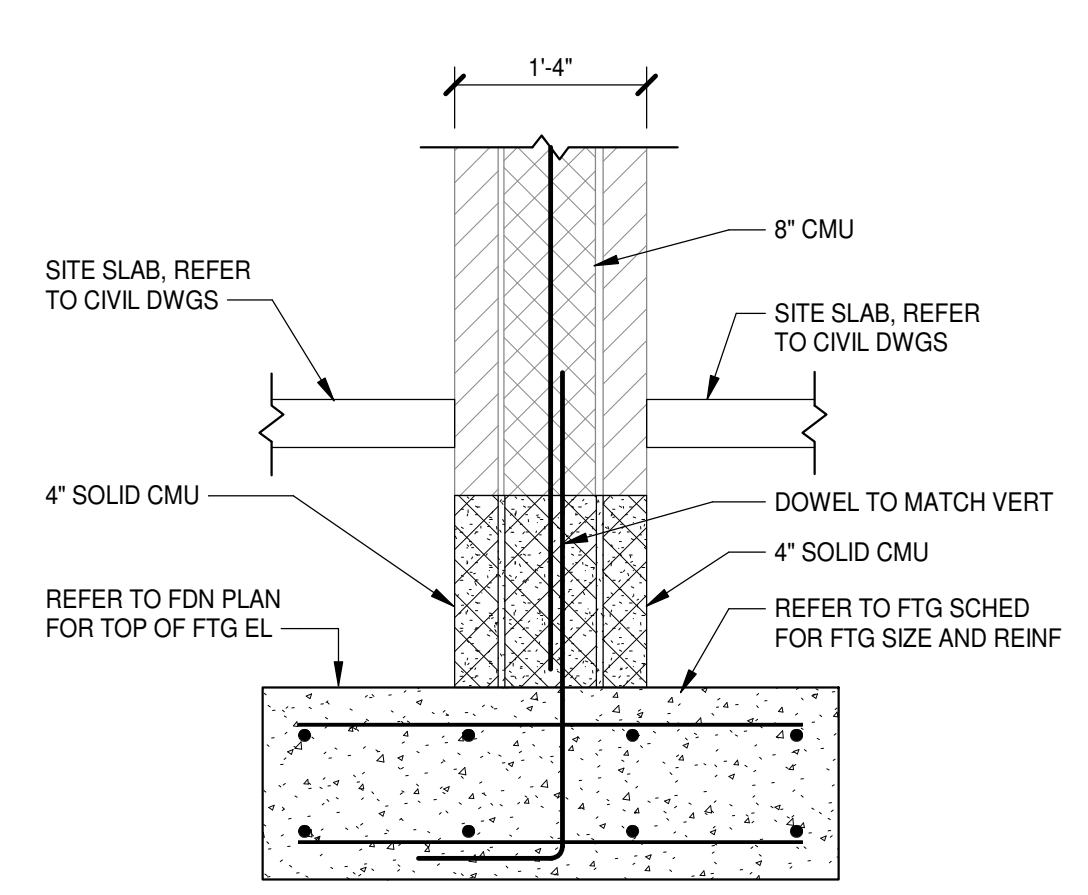
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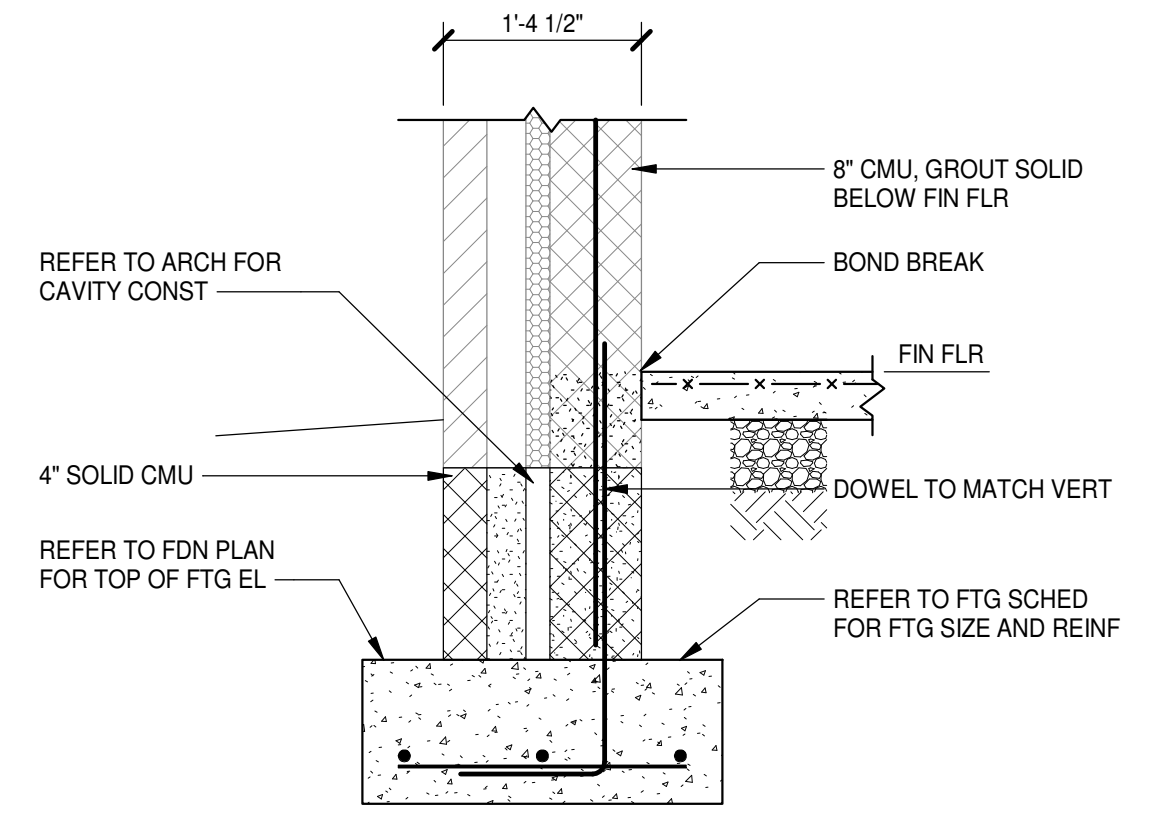
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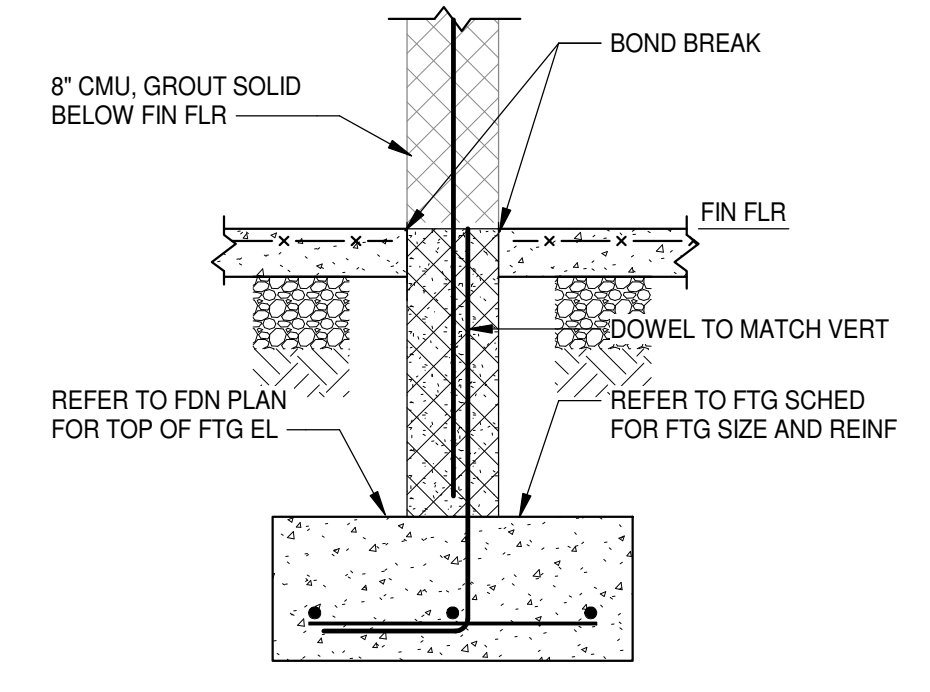
20 SECTION
S1.1.5 | S3.1.1 | 3/4" = 1'-0"



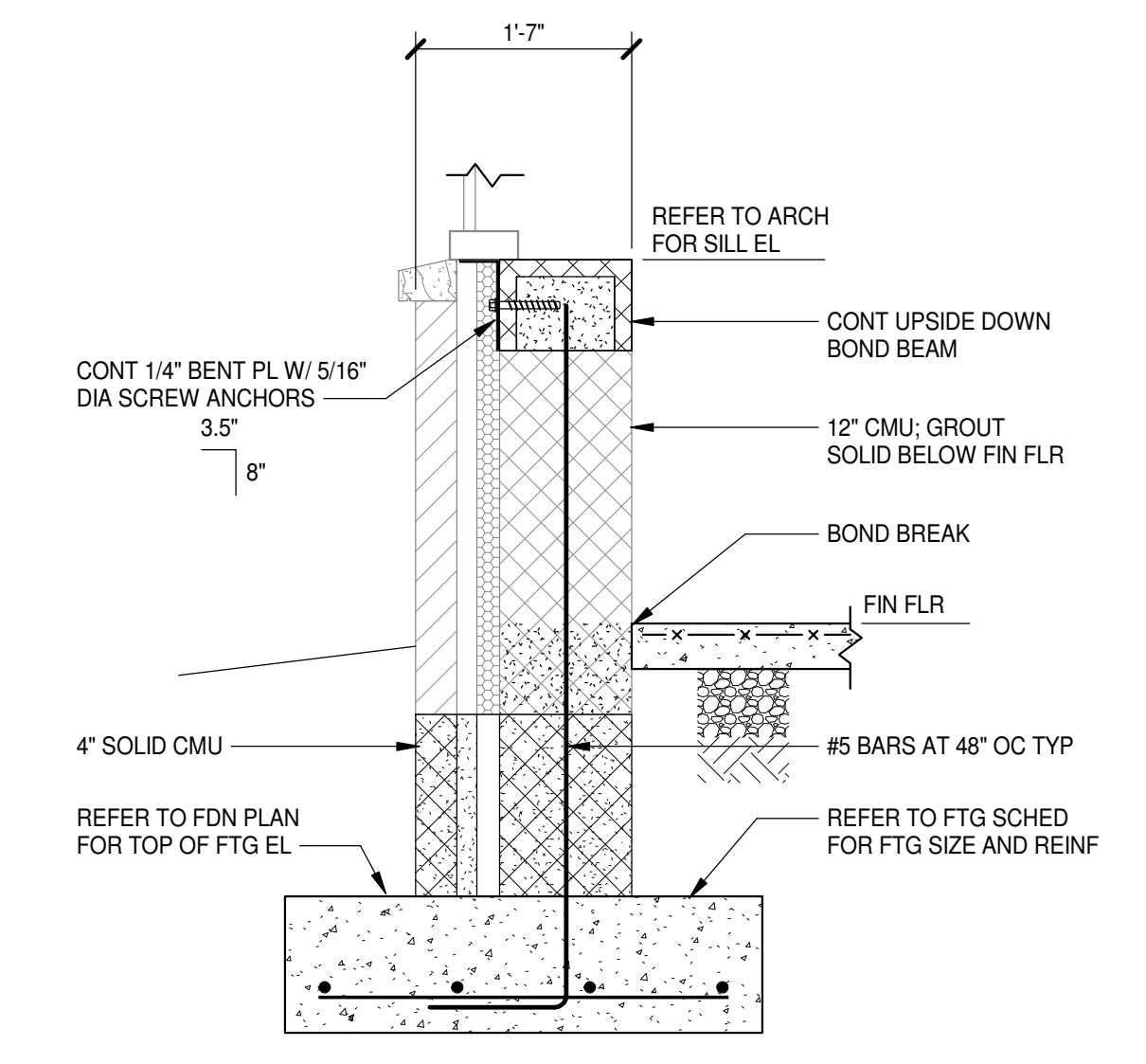
16 SECTION
S1.1.3 | S3.1.1 | 3/4" = 1'-0"



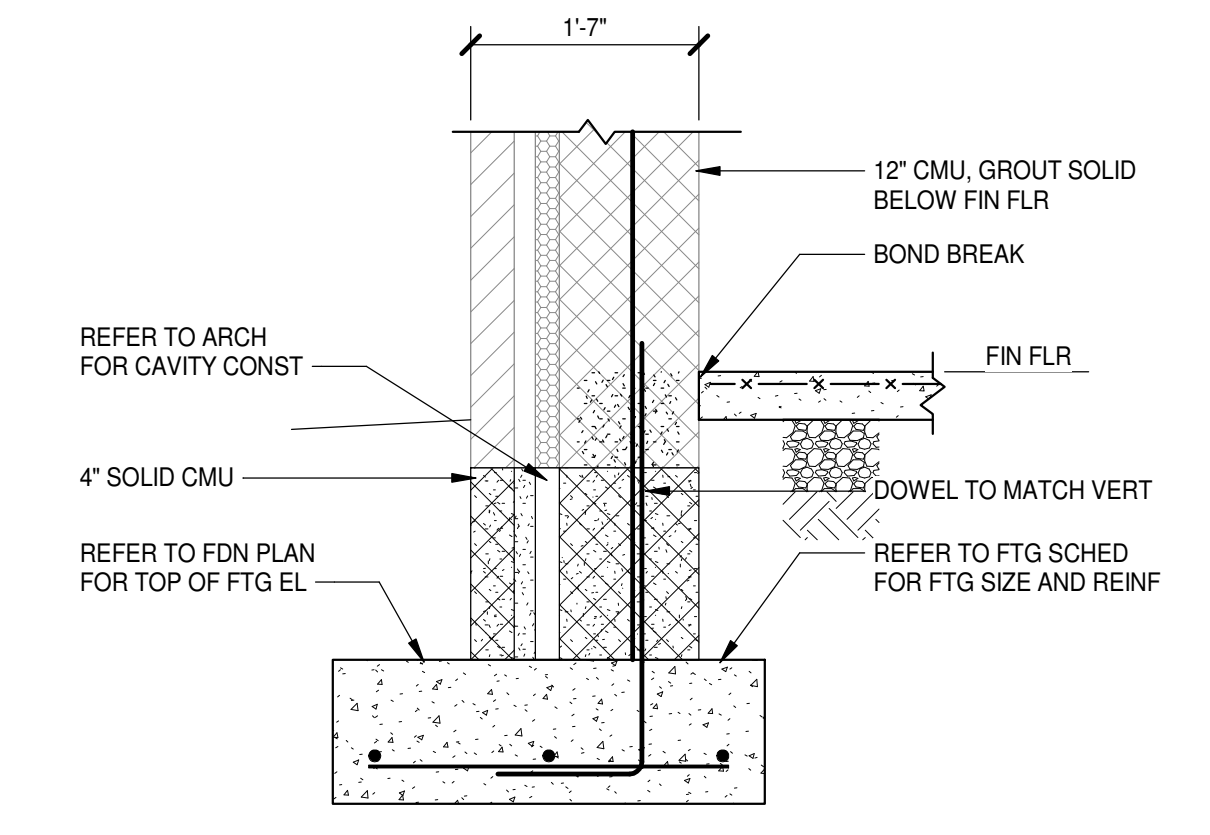
12 SECTION
S1.1.3 | S3.1.1 | 3/4" = 1'-0"



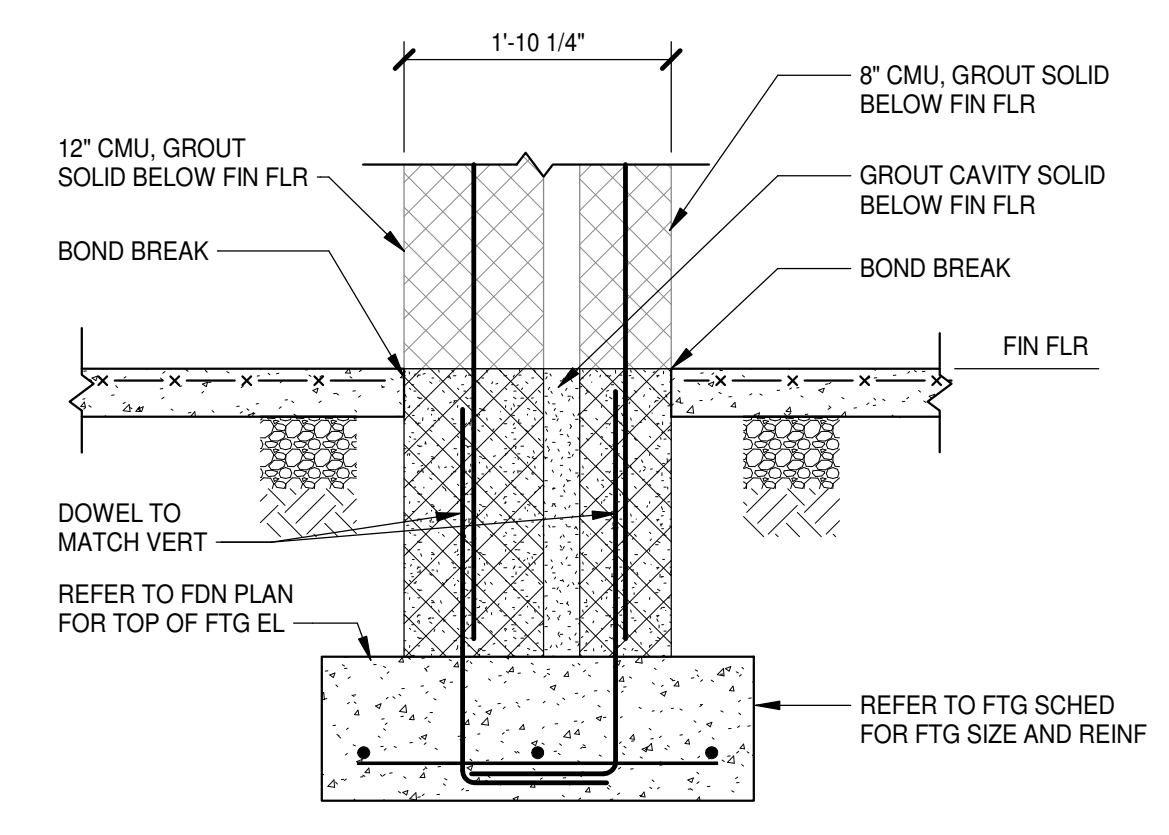
8 SECTION
S1.1.2 | S3.1.1 | 3/4" = 1'-0"



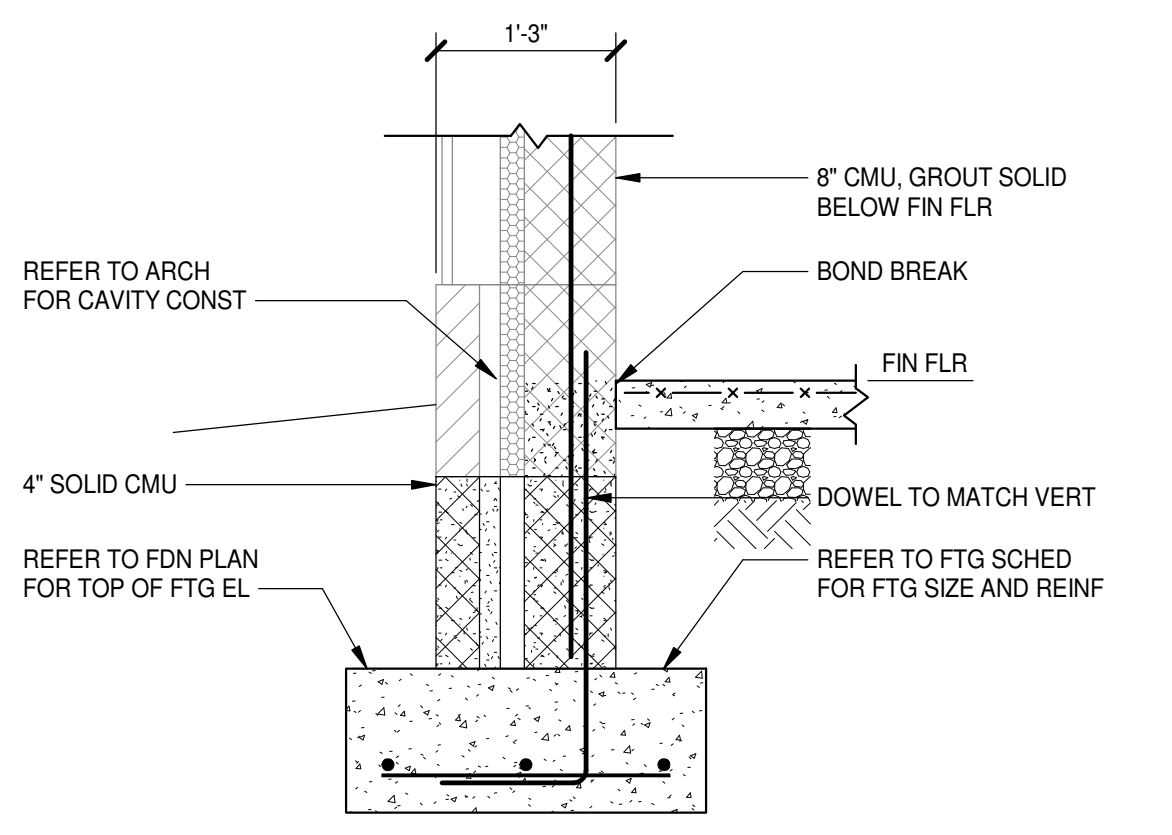
4 SECTION
S1.1.1 | S3.1.1 | 3/4" = 1'-0"



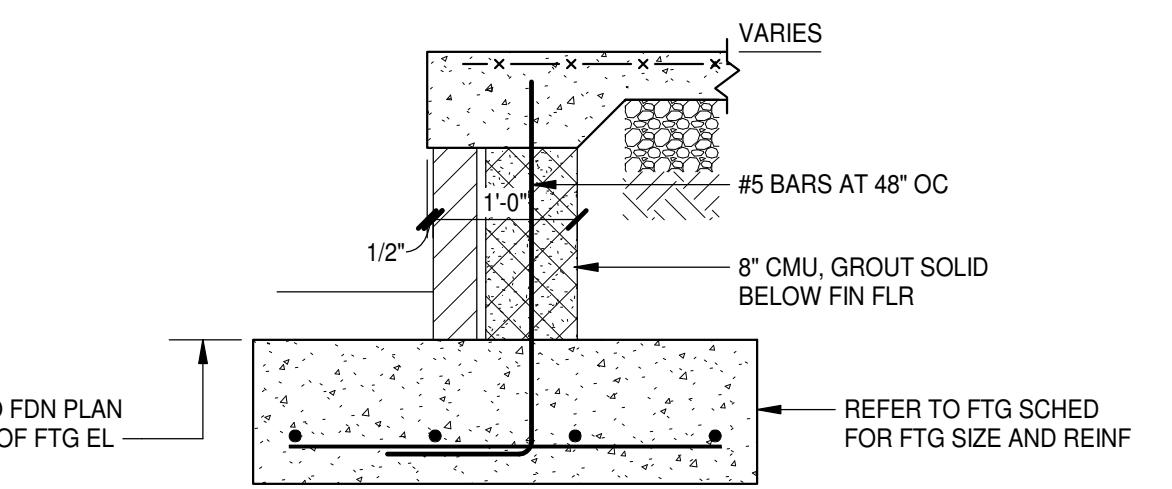
19 SECTION
S1.1.6 | S3.1.1 | 3/4" = 1'-0"



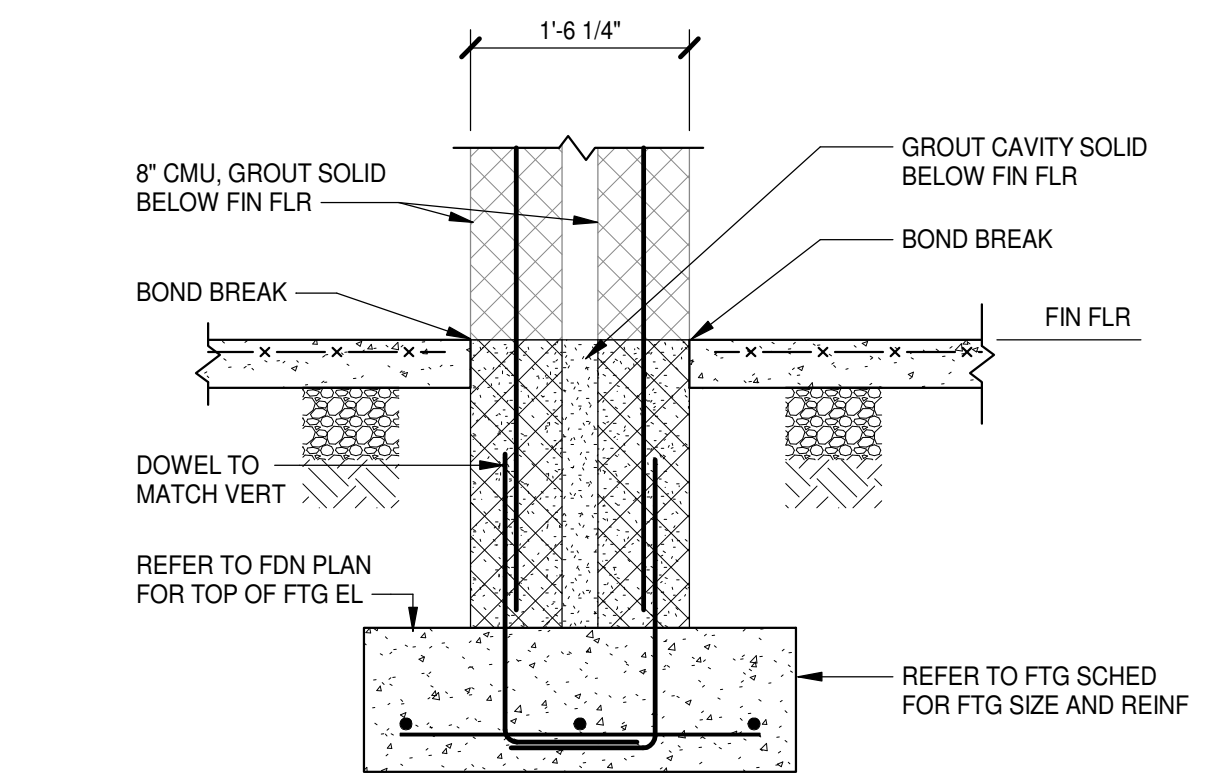
15 SECTION
S1.1.3 | S3.1.1 | 3/4" = 1'-0"



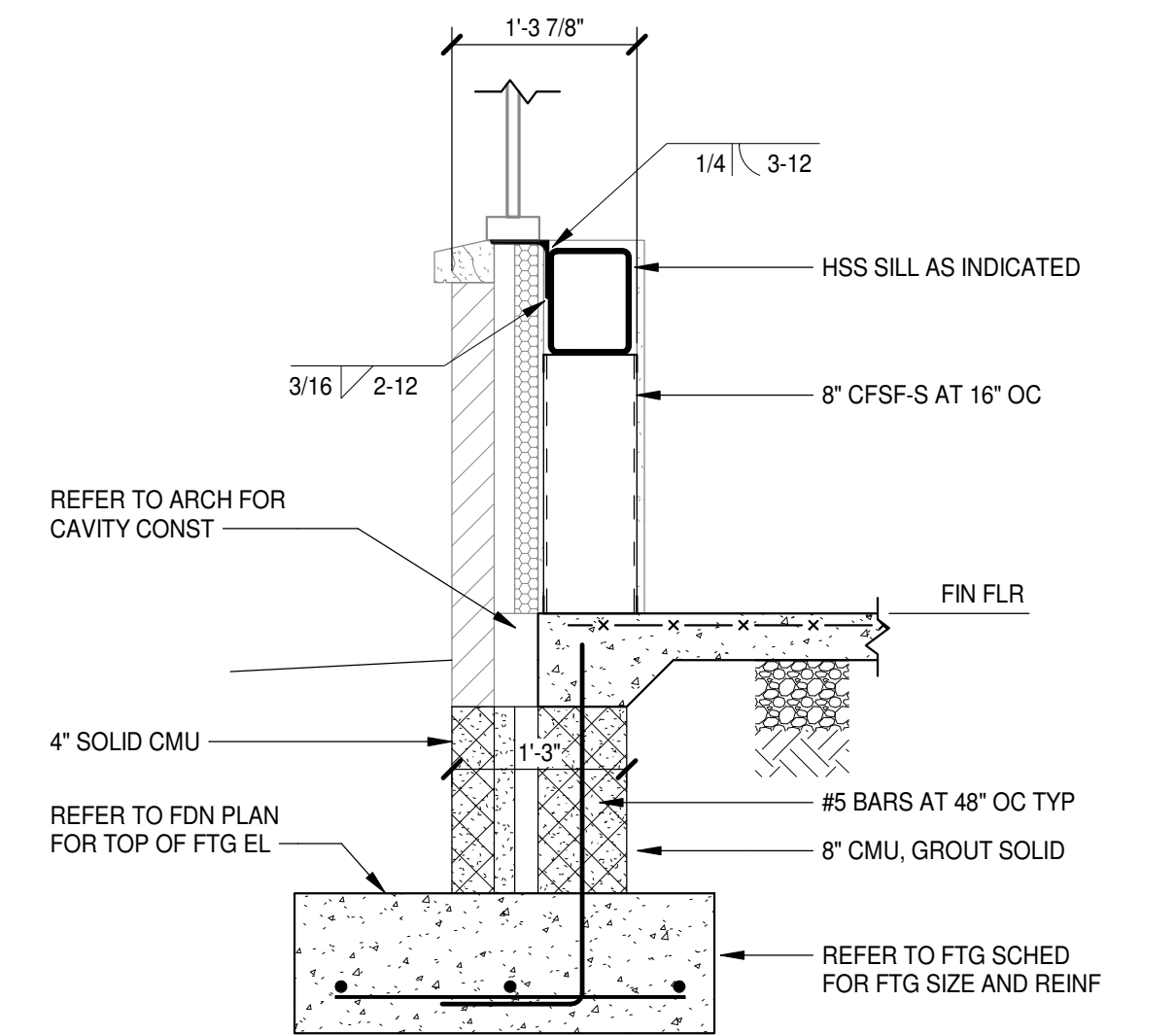
11 SECTION
S1.1.2 | S3.1.1 | 3/4" = 1'-0"



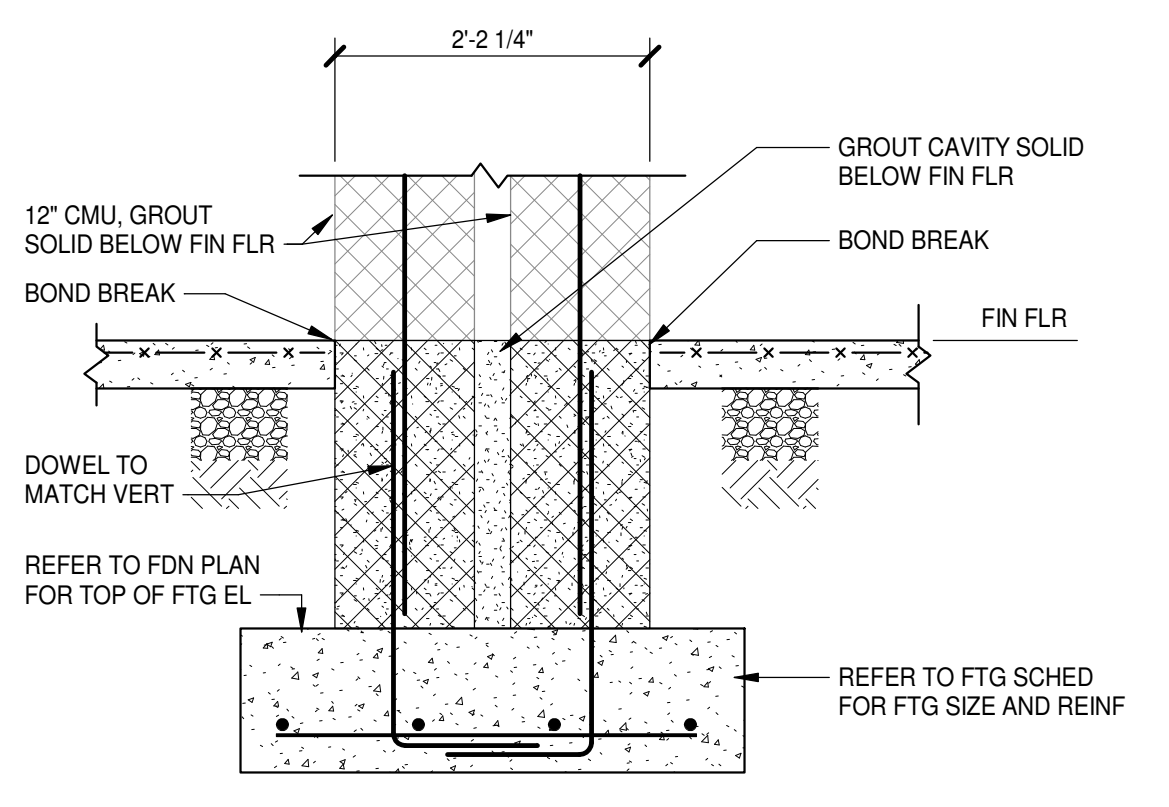
7 SECTION
S1.1.1 | S3.1.1 | 3/4" = 1'-0"



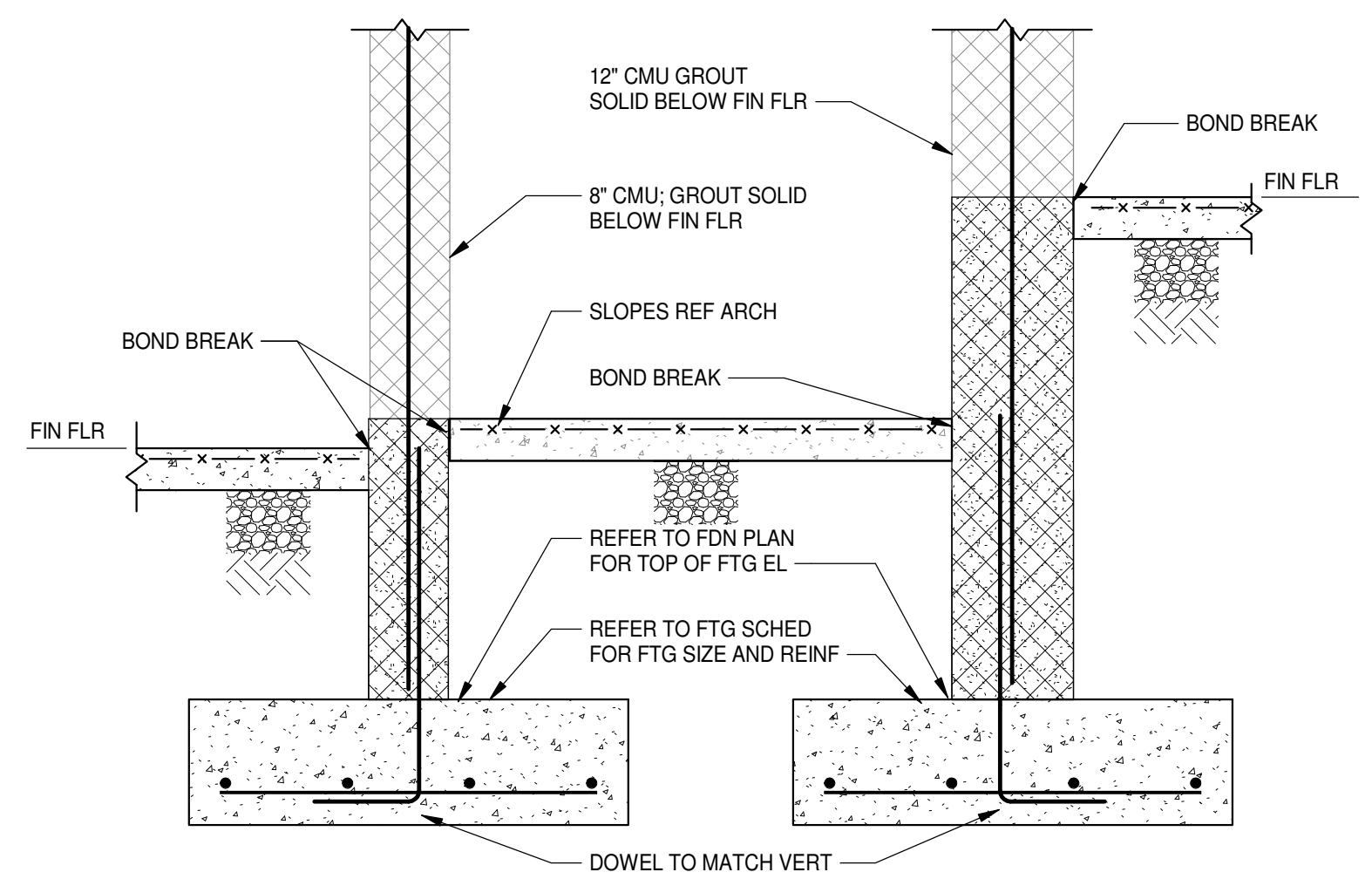
3 SECTION
S1.1.1 | S3.1.1 | 3/4" = 1'-0"



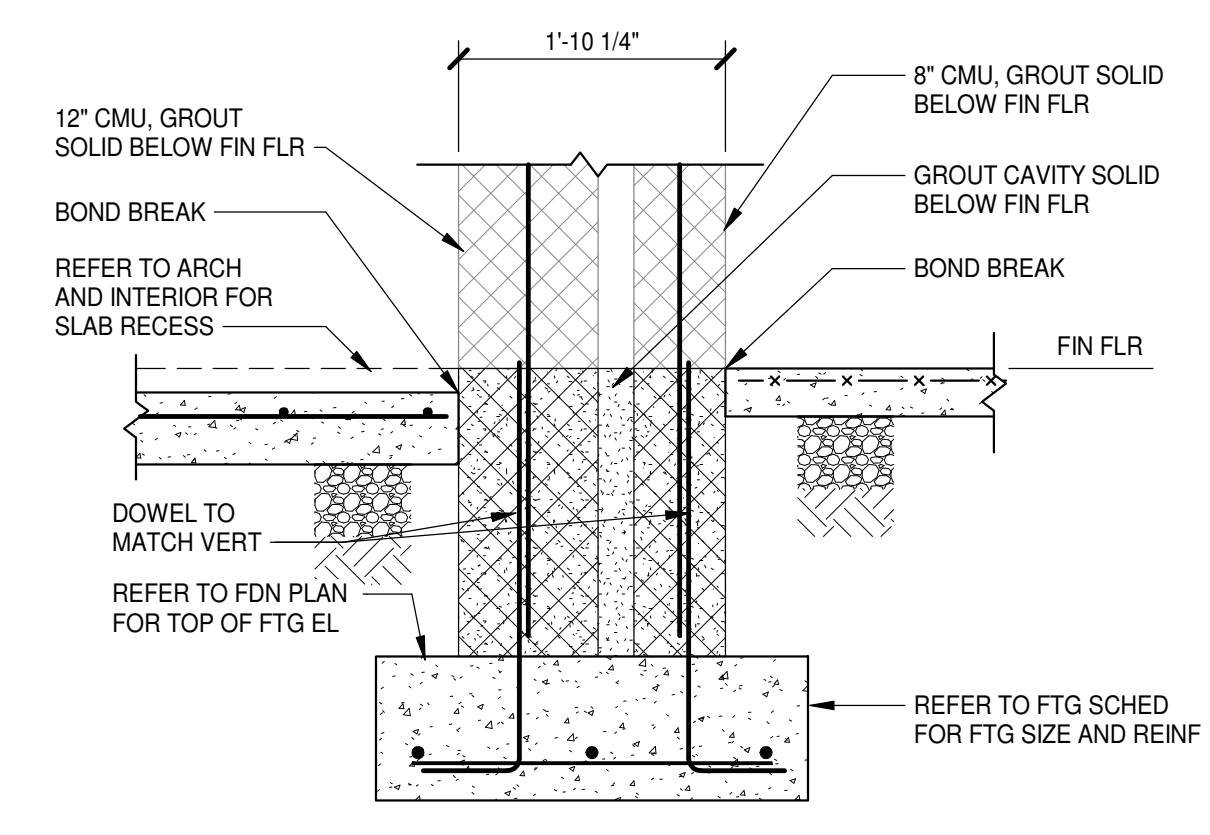
18 SECTION
S1.1.6 | S3.1.1 | 3/4" = 1'-0"



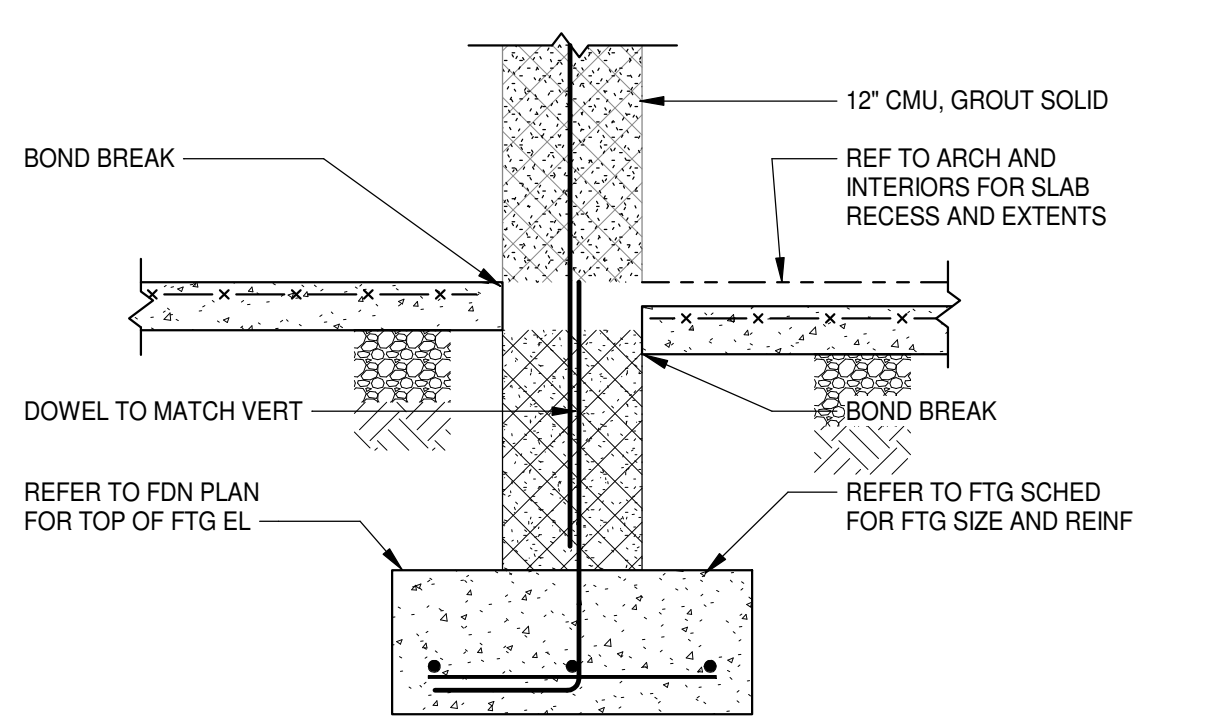
14 SECTION
S1.1.1 | S3.1.1 | 3/4" = 1'-0"



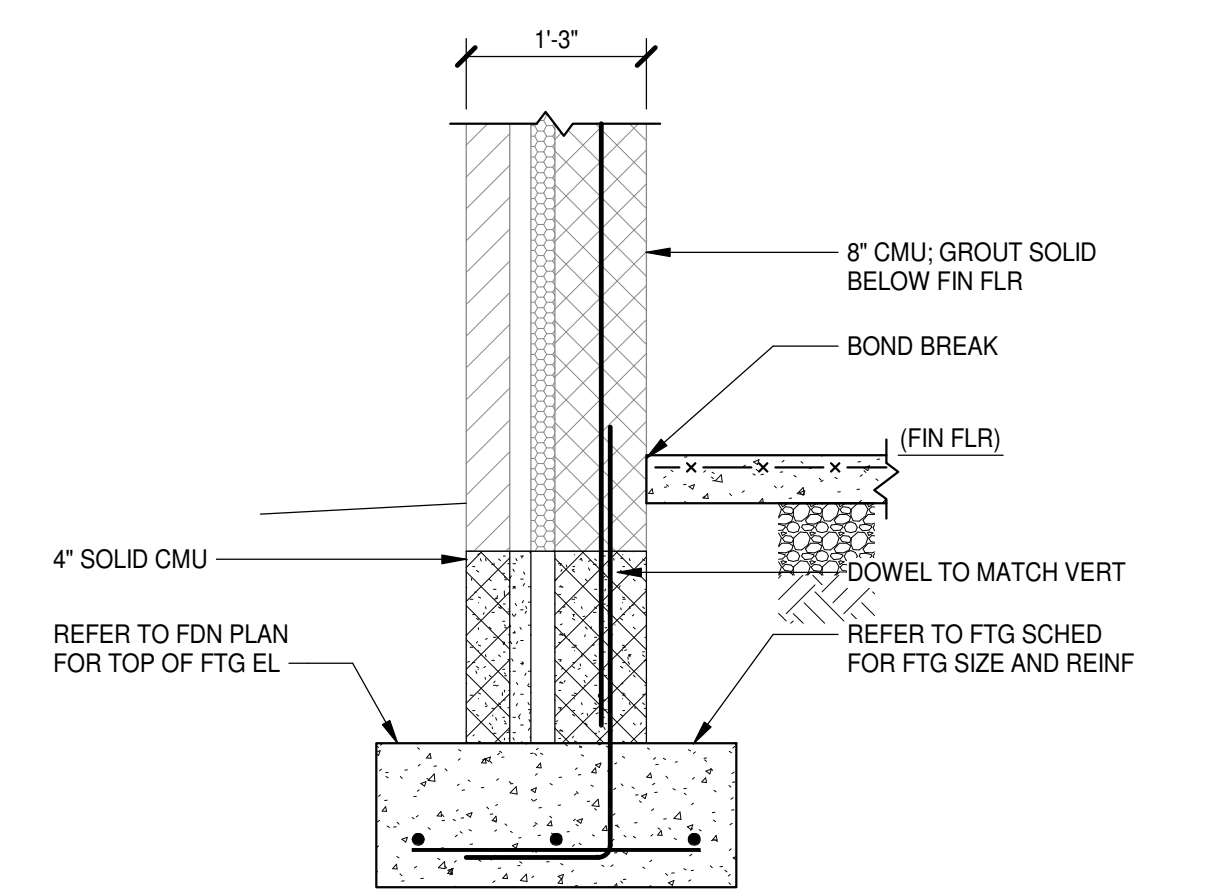
10 SECTION
S1.1.1 | S3.1.1 | 3/4" = 1'-0"



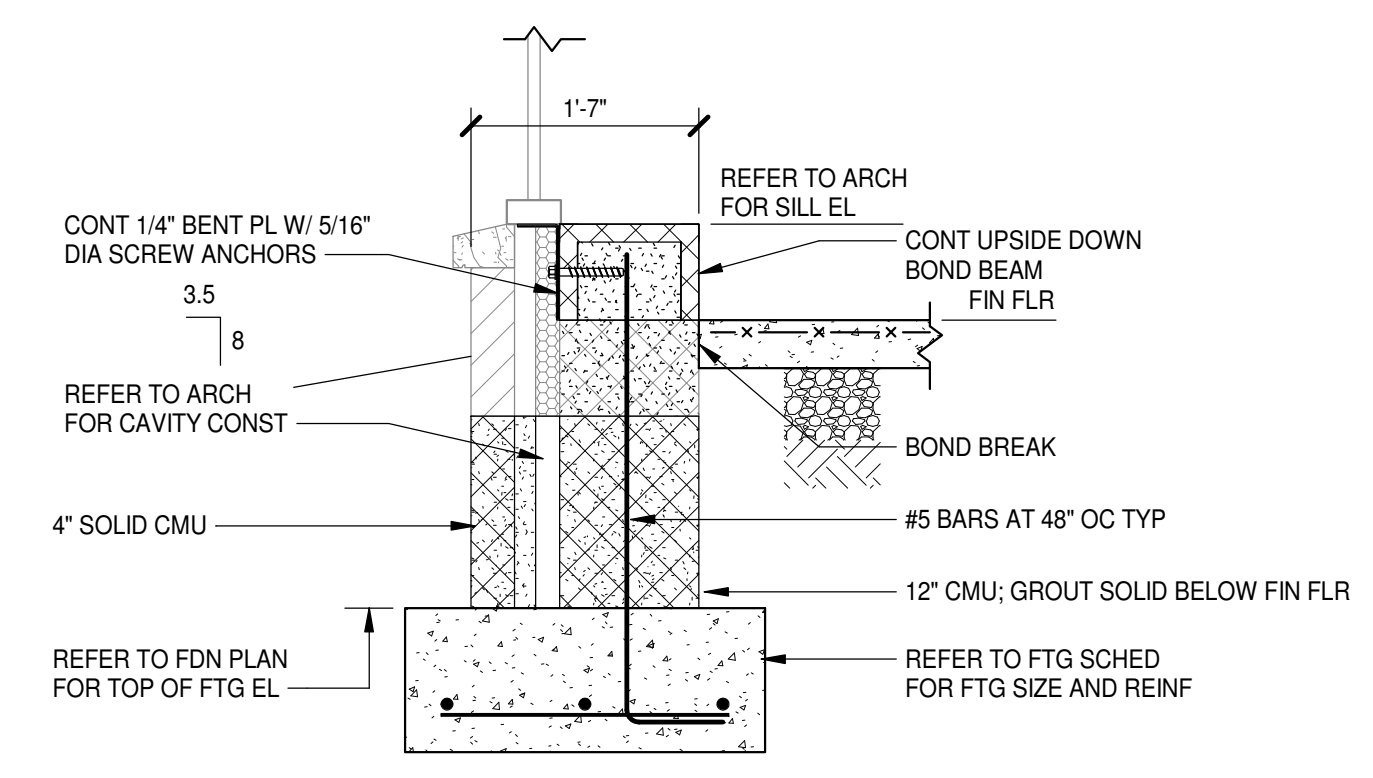
6 SECTION
S1.1.1 | S3.1.1 | 3/4" = 1'-0"



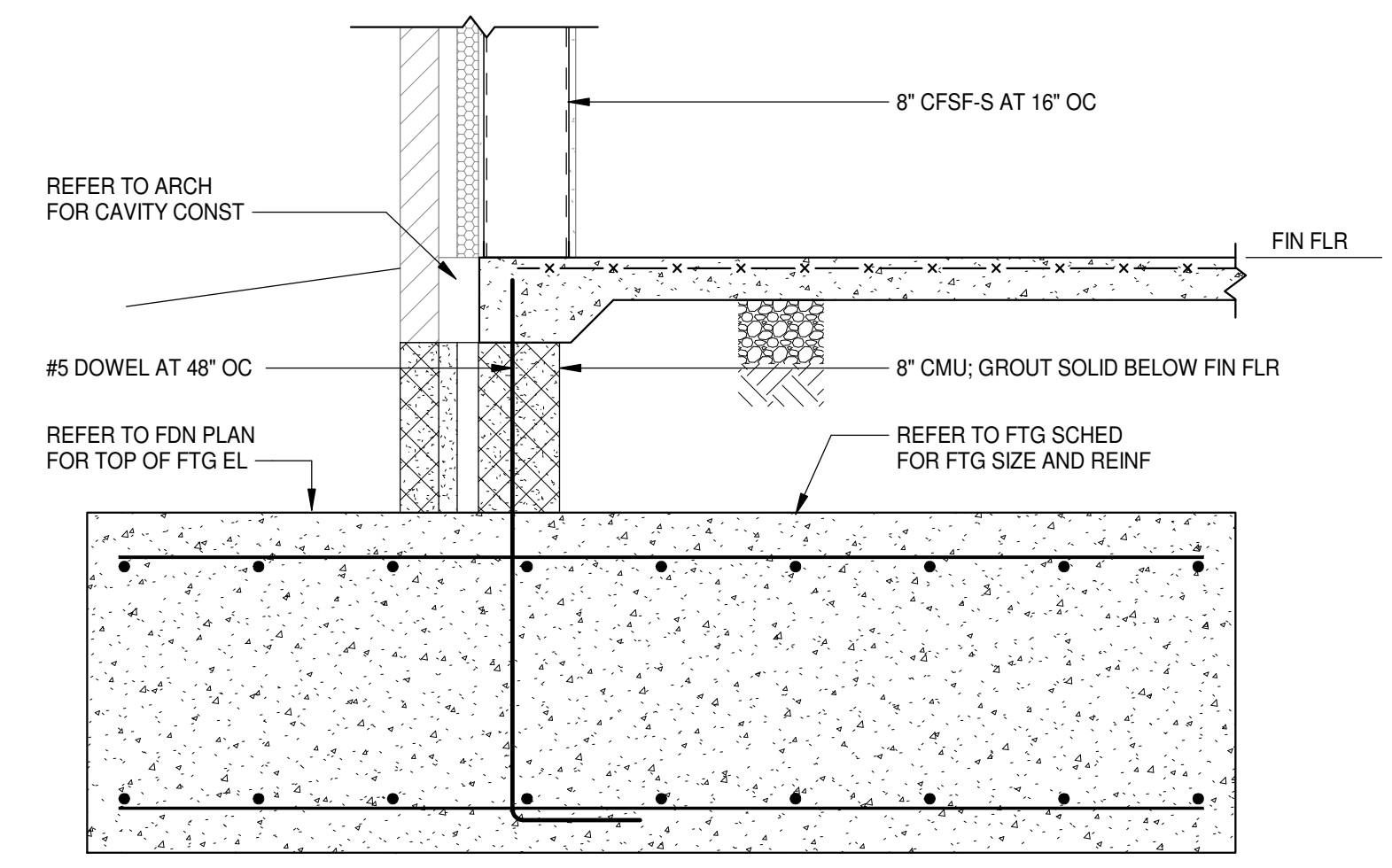
2 SECTION
S1.1.1 | S3.1.1 | 3/4" = 1'-0"



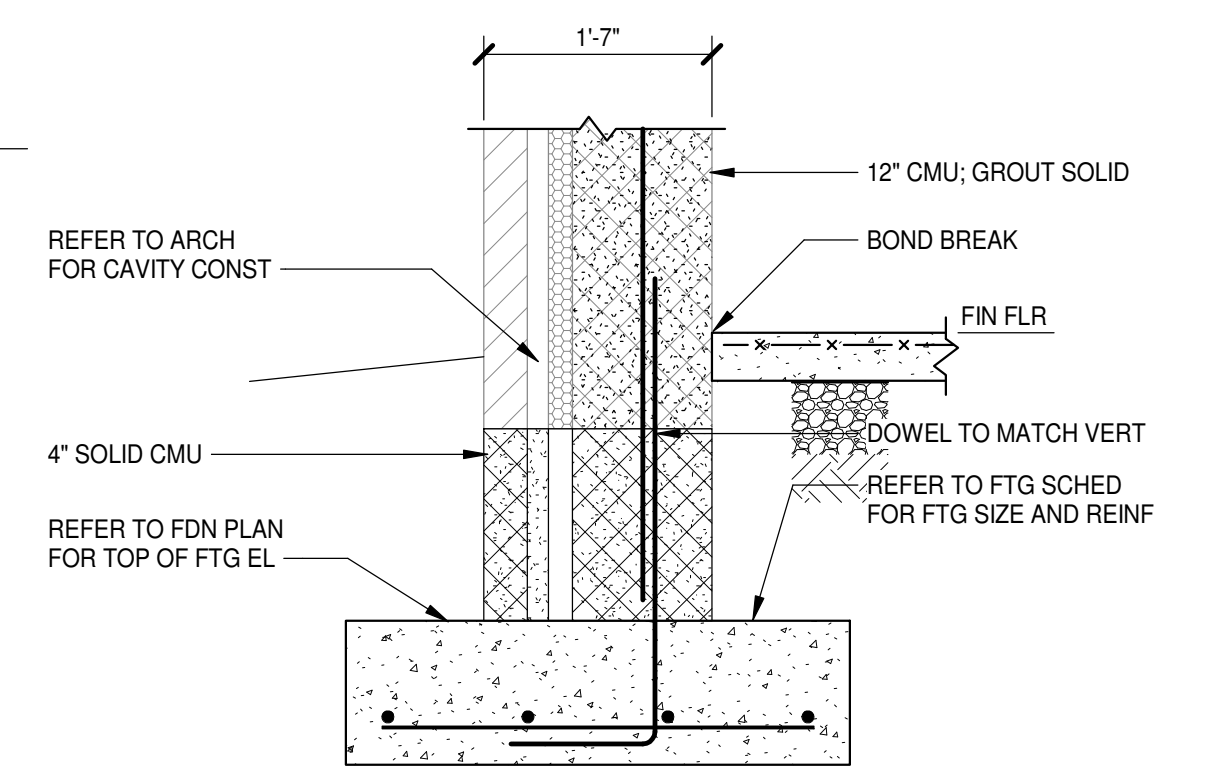
17 SECTION
S1.1.6 | S3.1.1 | 3/4" = 1'-0"



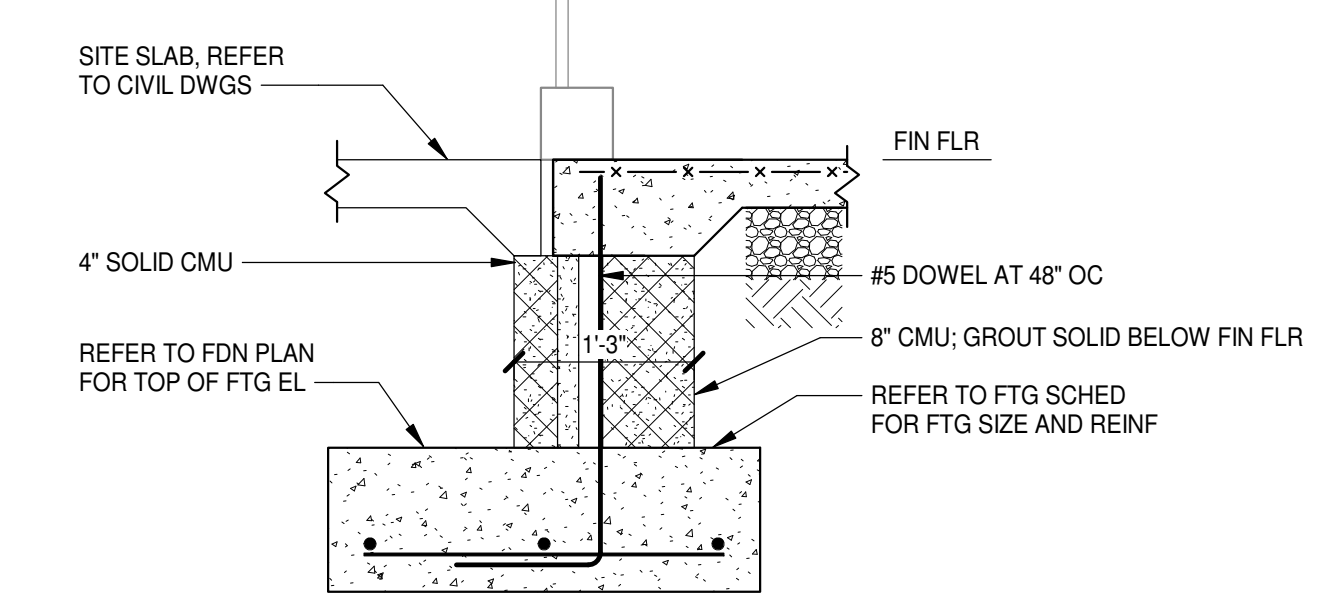
13 SECTION
S1.1.8 | S3.1.1 | 3/4" = 1'-0"



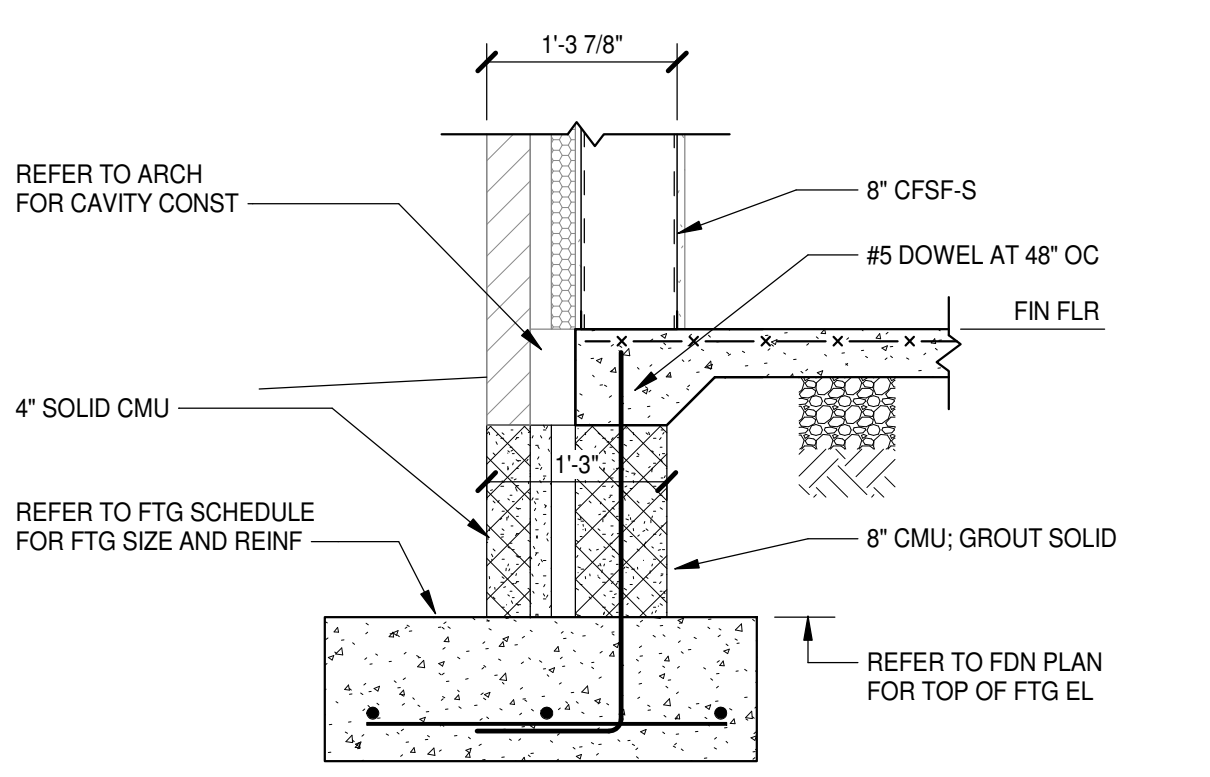
9 SECTION
S1.1.2 | S3.1.1 | 3/4" = 1'-0"



5 SECTION
S1.1.1 | S3.1.1 | 3/4" = 1'-0"



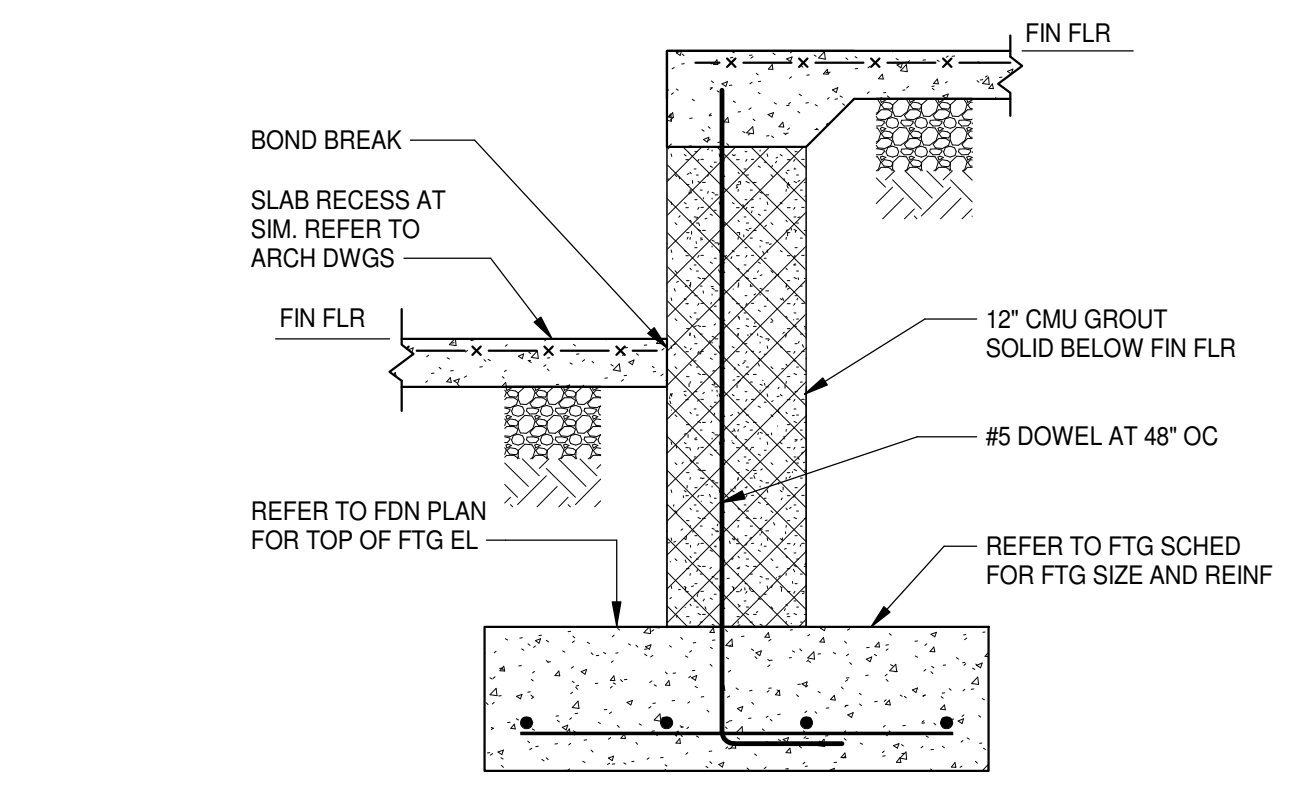
1 SECTION
S1.1.1 | S3.1.1 | 3/4" = 1'-0"



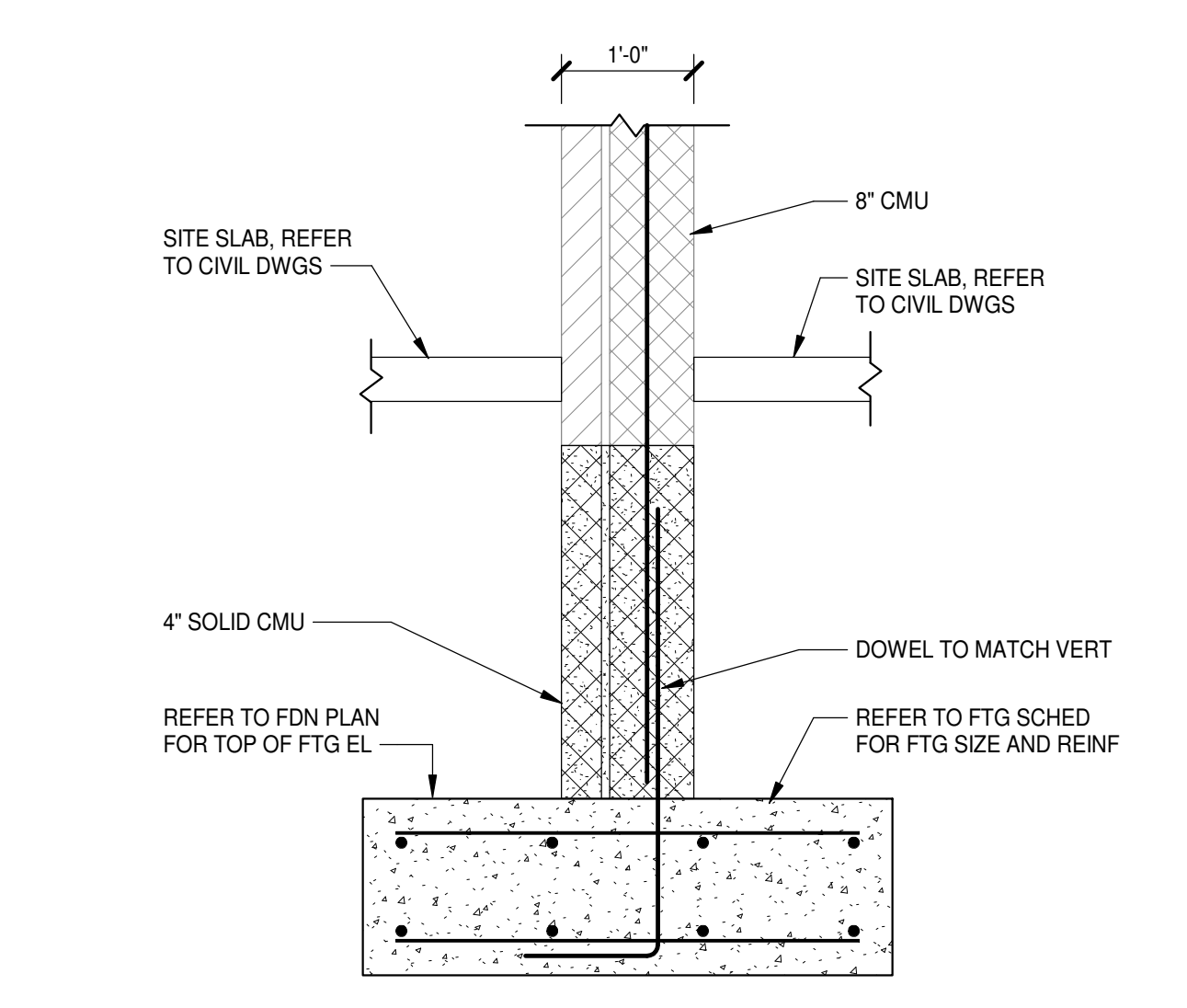
8/2/2024 4:12:32 PM

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2 SECTION
S1.1.1 | S3.1.2 3/4" = 1'-0"



1 SECTION
S1.1.1 | S3.1.2 3/4" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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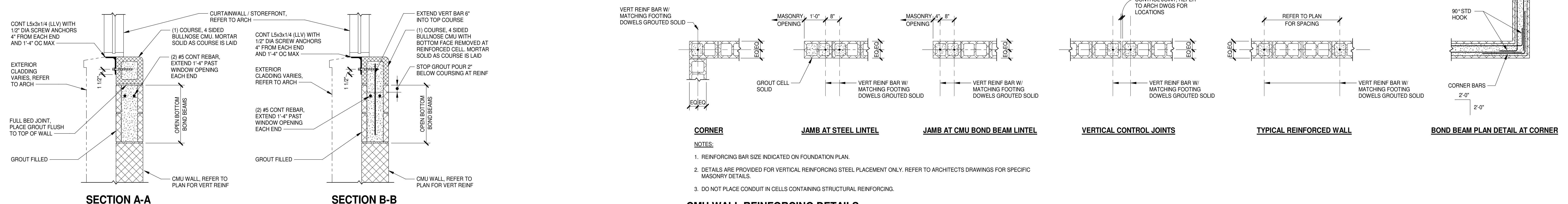
FOUNDATION SECTIONS

S3.1.2



8/2/2024

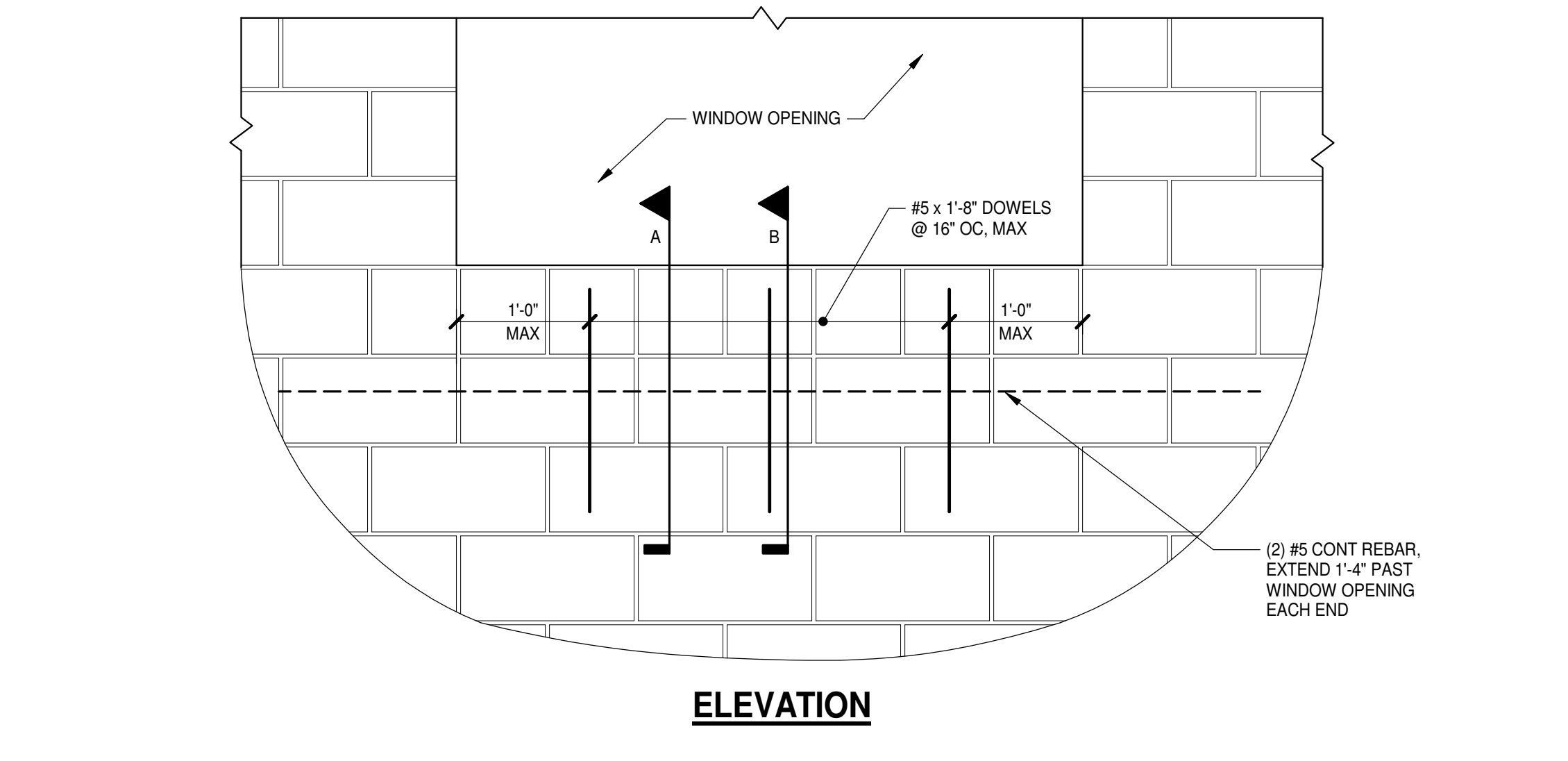
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CMU WALL REINFORCING DETAILS

NO SCALE

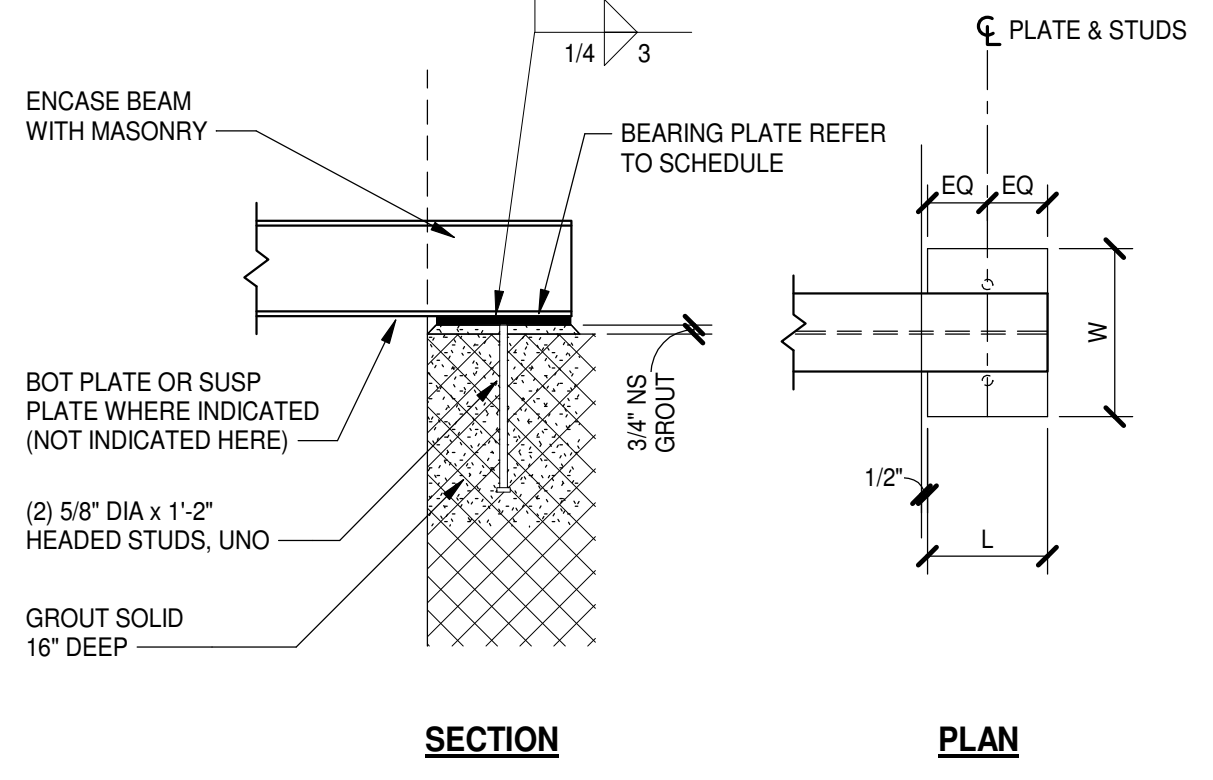
- NOTES:
1. REINFORCING BAR SIZE INDICATED ON FOUNDATION PLAN.
 2. DETAILS ARE PROVIDED FOR VERTICAL REINFORCING STEEL PLACEMENT ONLY. REFER TO ARCHITECTS DRAWINGS FOR SPECIFIC MASONRY DETAILS.
 3. DO NOT PLACE CONDUIT IN CELLS CONTAINING STRUCTURAL REINFORCING.



TYPICAL CMU WINDOW SILL DETAIL

NO SCALE

- NOTES:
1. REINFORCING BAR SIZE INDICATED ON FOUNDATION PLAN.
 2. DETAILS ARE PROVIDED FOR VERTICAL REINFORCING STEEL PLACEMENT ONLY. REFER TO ARCHITECTS DRAWINGS FOR SPECIFIC MASONRY DETAILS.
 3. DO NOT PLACE CONDUIT IN CELLS CONTAINING STRUCTURAL REINFORCING.



BEAM ANCHORAGE DETAILS

NO SCALE

BEARING PLATE SCHEDULE

MARK	SIZE			REMARKS
	W	T	L	
BP1	9"	3/4"	7"	
BP2	7"	3/4"	9"	
BP3	9"	3/4"	11"	
BP4	12"	1"	11"	(2) 3/4" DIA x 6" HEADED STUDS
BP5	11"	3/4"	7"	
BP6	10"	3/4"	5"	

REFER TO BEAM ANCHORAGE DETAILS

LINTEL SCHEDULE

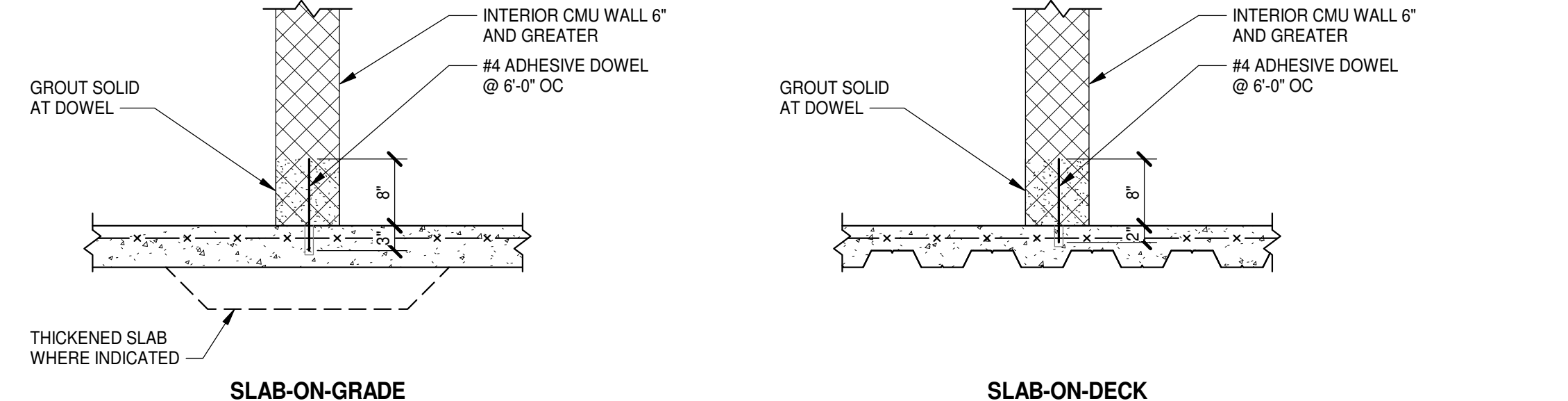
MARK	DIAGRAM	BOND BEAM (W x H) W = WIDTH OF WALL	REINFORCING	STEEL	NOTES
L1	[Diagram]	W x 8	(2) #5 CONT		
L2	[Diagram]	W x 16	(2) #5 CONT		
L3	[Diagram]	W x 24	(2) #5 CONT, EA COURSE		
L4	[Diagram]	W x 32	(2) #5 CONT, EA COURSE		
L5	[Diagram]			CONT STEEL ANGLE, FOLLOW SIZING IN LINTEL NOTE 2	LOOSE ANGLE LINTEL
L6	[Diagram]			W8x28 W/ 3/8" BOTTOM PLATE x 1" LESS THAN WALL WIDTH	
L7	[Diagram]			W16x38 W/ 3/8" BOTTOM PLATE x 1" LESS THAN WALL WIDTH	
L8	[Diagram]			CONT 3/8" BENT PLATE W/ 7" LEGS CONT 5x1/4x7" BENT PLATE AT METAL PANEL	CONN TO CMU W/ 5/8" DIA SCREW ANCHORS AT 0'-8" OC. SET ANCHOR 2" FROM TOP OF VERT LEG, WELD TO STEEL LINTELS, TOP & BOT
L9	[Diagram]	W x 40	(2) #5 CONT, EA COURSE		

LINTEL NOTES

1. LINTELS FOR ARCHITECTURAL OPENINGS (WINDOWS, DOORS, LOUVERS) IN BEARING WALLS AND EXTERIOR WALLS ARE IDENTIFIED BY MARK NUMBER ON THE FRAMING PLAN(S) AND INCLUDED IN THE LINTEL SCHEDULE.
2. LINTELS FOR ARCHITECTURAL OPENINGS IN NON-LOAD BEARING WALLS AND OTHER WALLS WHICH ARE NOT INDICATED ON THE FRAMING PLAN(S) SHALL BE CONSTRUCTED PER NOTES A, B OR C BELOW.
 - A. STEEL ANGLE LINTELS
 - PROVIDE ONE ANGLE FOR EACH NOMINAL 4" OF WALL THICKNESS PER THE FOLLOWING SCHEDULE.
 - MASONRY OPENING ANGLE SIZE
 - UP TO 5'-0" L3 1/2x3 1/2x 5/16
 - 5'-1" TO 6'-0" L4x3 1/2x 5/16 (LLV)
 - 6'-1" TO 7'-0" L5x3 1/2x 3/8 (LLV)
 - OVER 7'-0" AS DETAILED
 - FOR OPENINGS IN 10" CMU, HORIZONTAL LEGS OF ANGLES SHALL BE A COMBINATION OF 5" AND 4".
 - FOR OPENINGS IN 6" CMU REQUIRING STEEL LINTELS, USE W7x11 UP TO 7'-0" OPENING.
 - B. REINFORCED BOND BEAM LINTELS
 - LINTELS SHALL MATCH THICKNESS OF WALL. REINFORCE 8", 10" AND 12" BOND BEAM WITH (2) #5 BARS AT BOTTOM. REINFORCE 6" BOND BEAM WITH (1) #5 BAR AT BOTTOM. BOND BEAM SHALL BE 8" DEEP FOR OPENING WIDTH UP TO 5'-0", AND SHALL BEAR 8" ON SOLID MASONRY EACH END. BOND BEAM SHALL BE 16" DEEP FOR OPENING WIDTH UP TO 6'-0" AND SHALL BEAR 16" ON SOLID MASONRY EACH END WITH REINFORCING TOP AND BOTTOM. PLACE GROUT MONOLITHICALLY IN BOTH COURSES OF 16" DEEP BOND BEAM.
 - C. PRECAST CONCRETE LINTELS
 - PRECAST CONCRETE LINTELS SHALL BE 3 5/8" x 7 5/8" FOR EACH NOMINAL 4" THICKNESS OF WALL. REINFORCING SHALL BE (1) #4 TOP AND BOTTOM WITH 1 1/2" COVER. FOR OPENINGS IN 6" CMU, LINTEL SHALL BE 5 5/8" x 7 5/8", REINFORCED WITH (1) #5 TOP AND BOTTOM. MASONRY OPENING WIDTH SHALL BE 6'-0" OR LESS. DO NOT USE PRECAST CONCRETE LINTELS IN EXPOSED LOCATIONS.
3. LINTELS FOR MECHANICAL DUCTWORK PENETRATIONS NOT OTHERWISE DETAILED SHALL BE ONE OF THE ABOVE (NOTE 2A, 2B OR 2C).
4. LINTELS SHALL BEAR 8" ONTO SOLID OR GROUT FILLED MASONRY, UNLESS OTHERWISE INDICATED.
5. LINTELS ARE REQUIRED OVER ALL MASONRY OPENINGS GREATER THAN 6" IN WIDTH.
6. LINTELS ARE NOT REQUIRED ABOVE HOLLOW METAL FRAMES IN OPENINGS 3'-4" OR LESS IN 6" NON-BEARING MASONRY PARTITIONS. GROUT HEAD OF FRAMES SOLID BEFORE PLACING MASONRY.
7. ALL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.

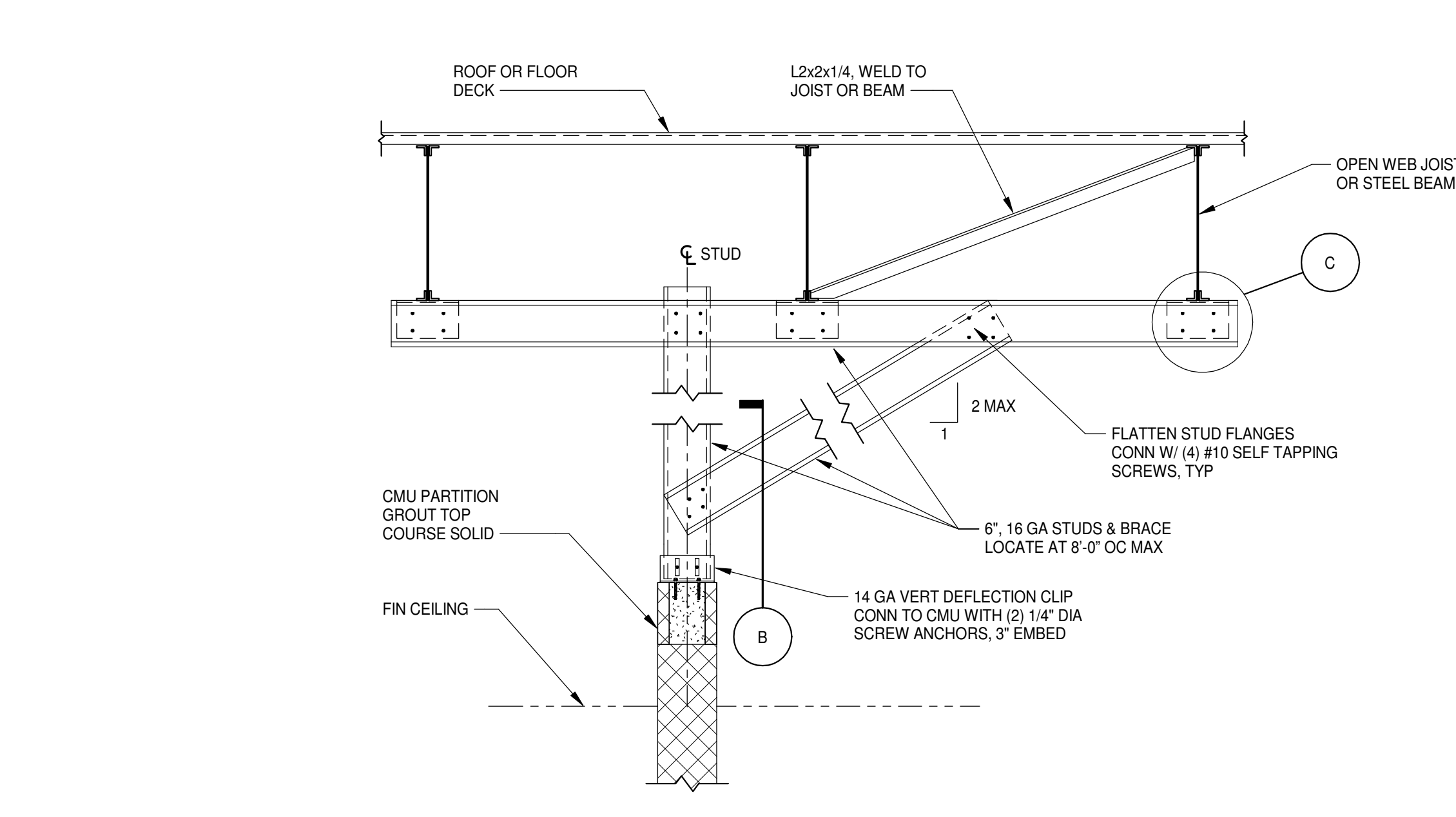
CFSF HEAD AND JACK / JAMB SCHEDULE

MARK	DIAGRAM	CFSF BOX BEAM / HSS TUBE HEADER			JACK STUD	JAMB STUD	SILL	NOTES
		VERTICAL	HORIZONTAL	CONNECTORS				
LCF-1	[Diagram]	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	
LCF-2	[Diagram]	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	CONT 14 GA PLATE 1/2" LESS THAN WIDTH OF WALL CONN W/ (2) #10 TEK SCREWS @ 12" OC
LCF-3	[Diagram]		HSS6x6x1/4	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	PER DELEGATED DESIGN	

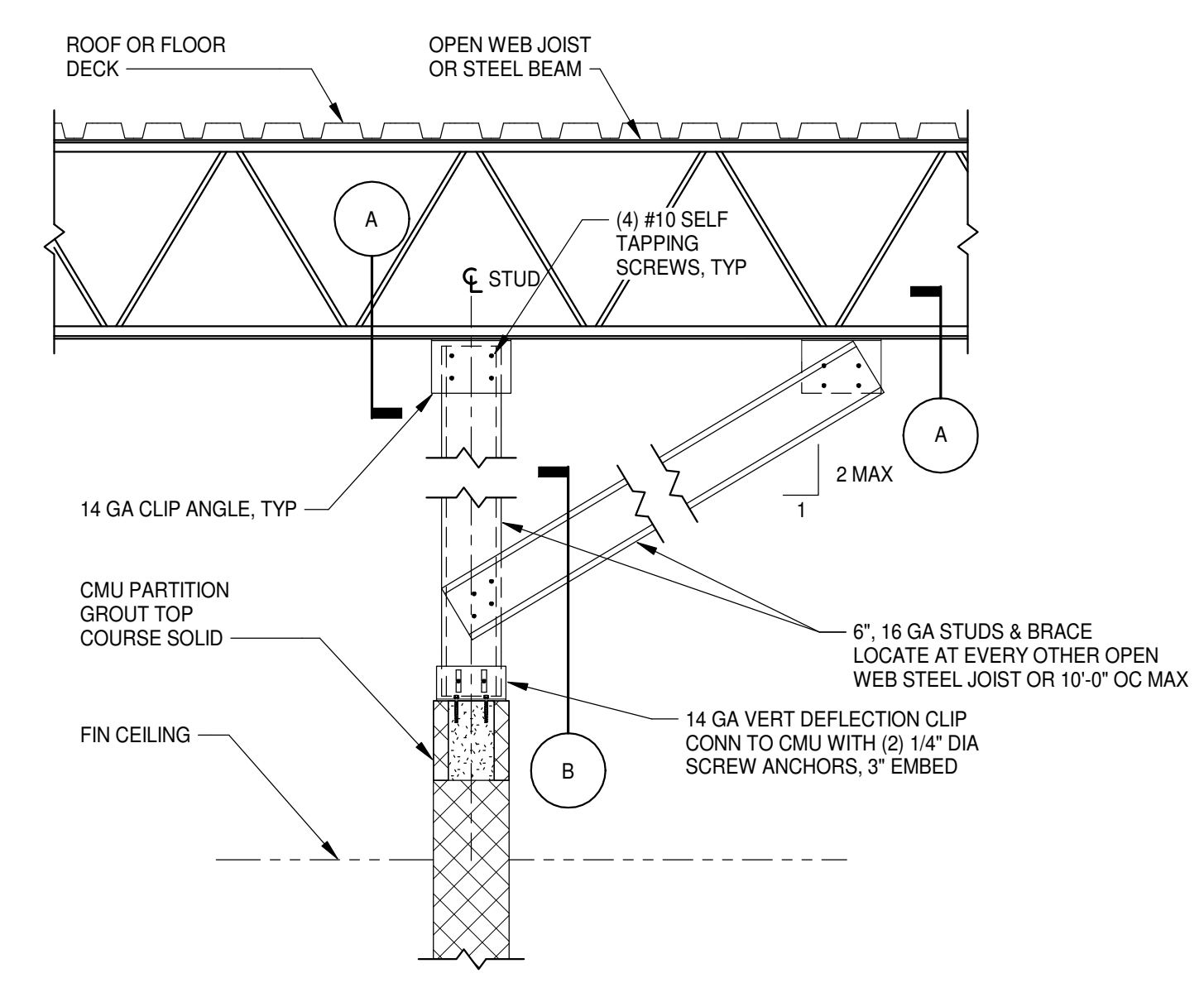


BASE ANCHORAGE OF UNREINFORCED CMU WALLS

NO SCALE



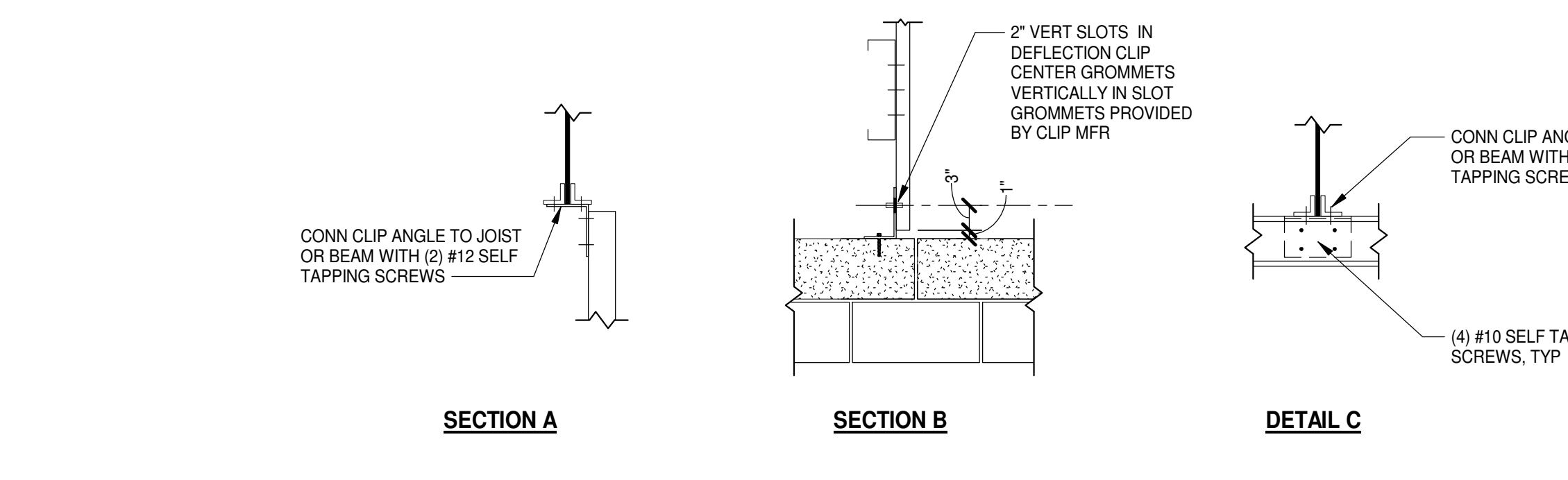
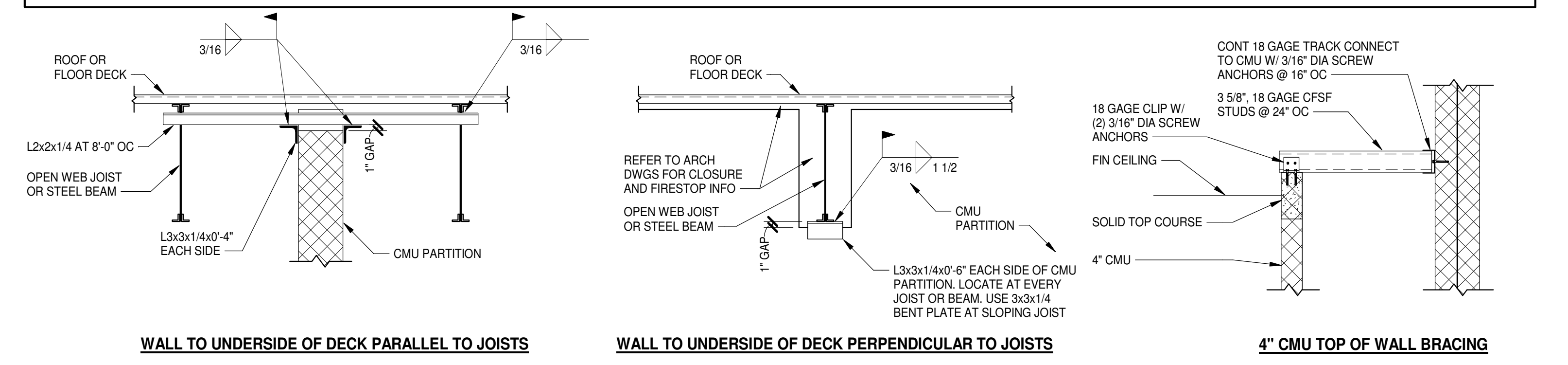
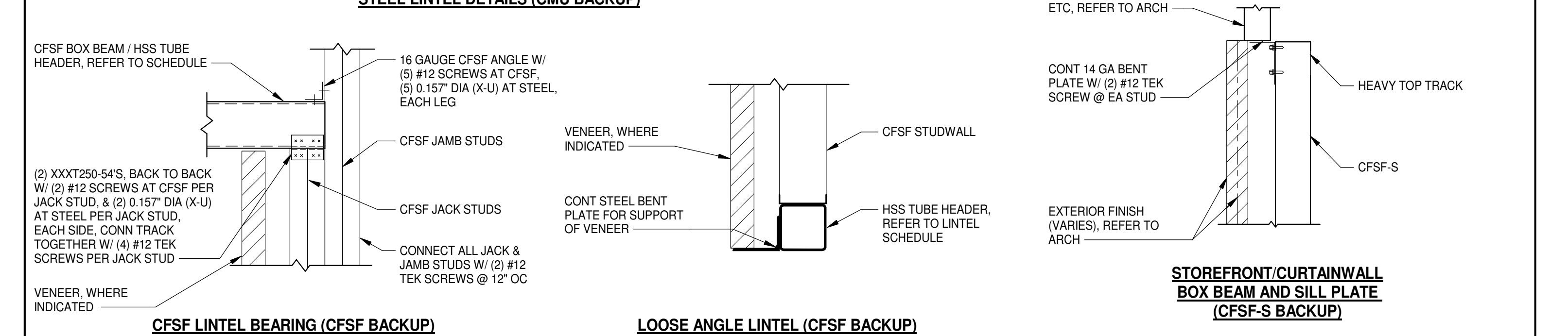
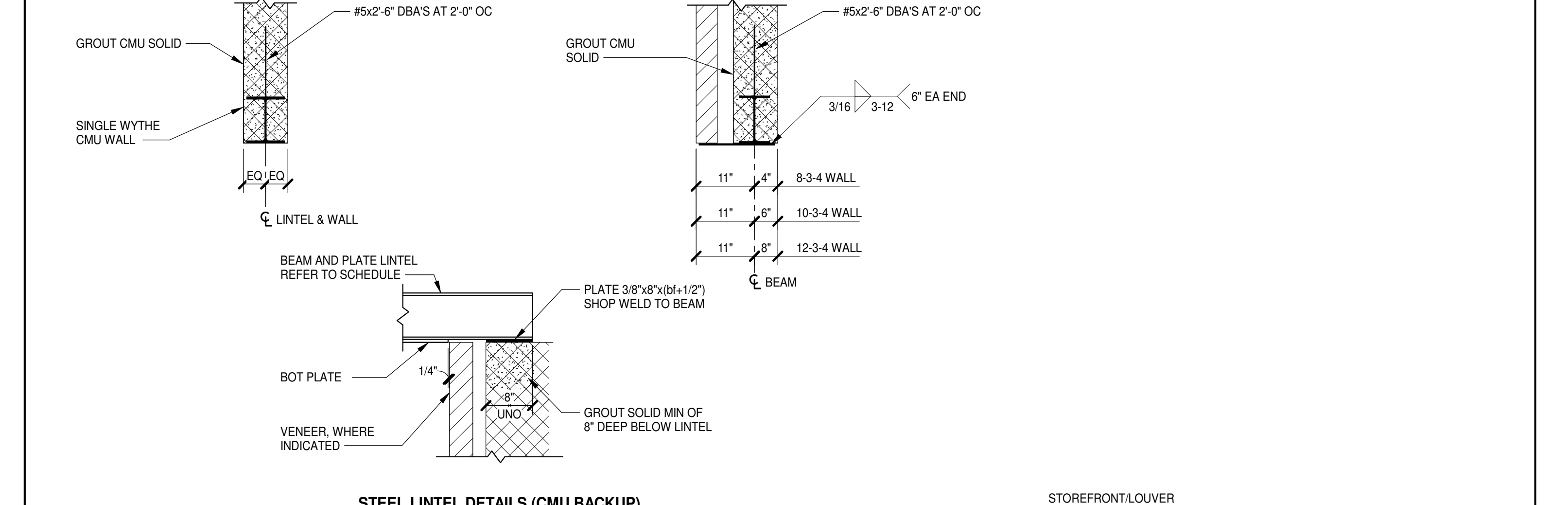
LOW WALL PARALLEL TO JOIST OR BEAM



LOW WALL PERPENDICULAR TO JOIST OR BEAM

- NOTES:
1. BRACE INTERIOR NON-LOAD BEARING MASONRY WALLS IN ACCORDANCE WITH THESE DETAILS UNLESS OTHERWISE INDICATED.
 2. IN LIEU OF BRACING AT TOPS OF WALLS, BRACING MAY BE PROVIDED BY INTERSECTING MASONRY WALLS WHEN THE DISTANCE BETWEEN THE INTERSECTING WALLS DOES NOT EXCEED THE FOLLOWING:

NOMINAL THICKNESS OF BRACED WALLS	MAXIMUM SPACING BETWEEN INTERSECTING WALLS
6"	16'-0"
8"	22'-0"
10"	28'-0"
12"	30'-0"
 3. BRACING IS REQUIRED IN ACCORDANCE WITH THESE DETAILS IF A VERTICAL CONTROL JOINT OCCURS BETWEEN INTERSECTING WALLS.
 4. REFER TO ARCHITECTURAL DRAWINGS FOR INTERIOR PARTITION TYPES AND LOCATIONS.
 5. INSTALL BRACING AFTER ALL ROOF DEAD LOAD IS IN PLACE.

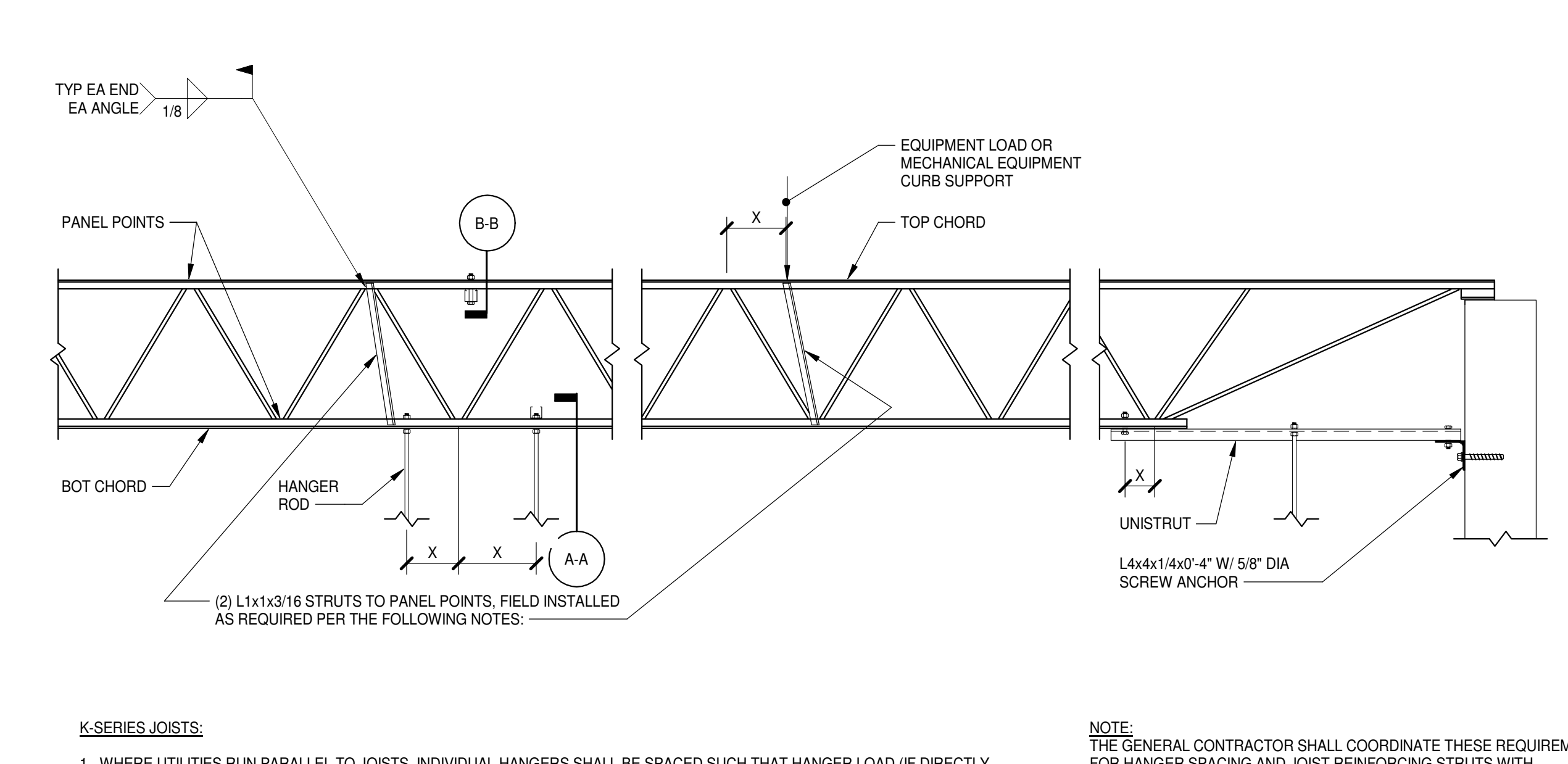
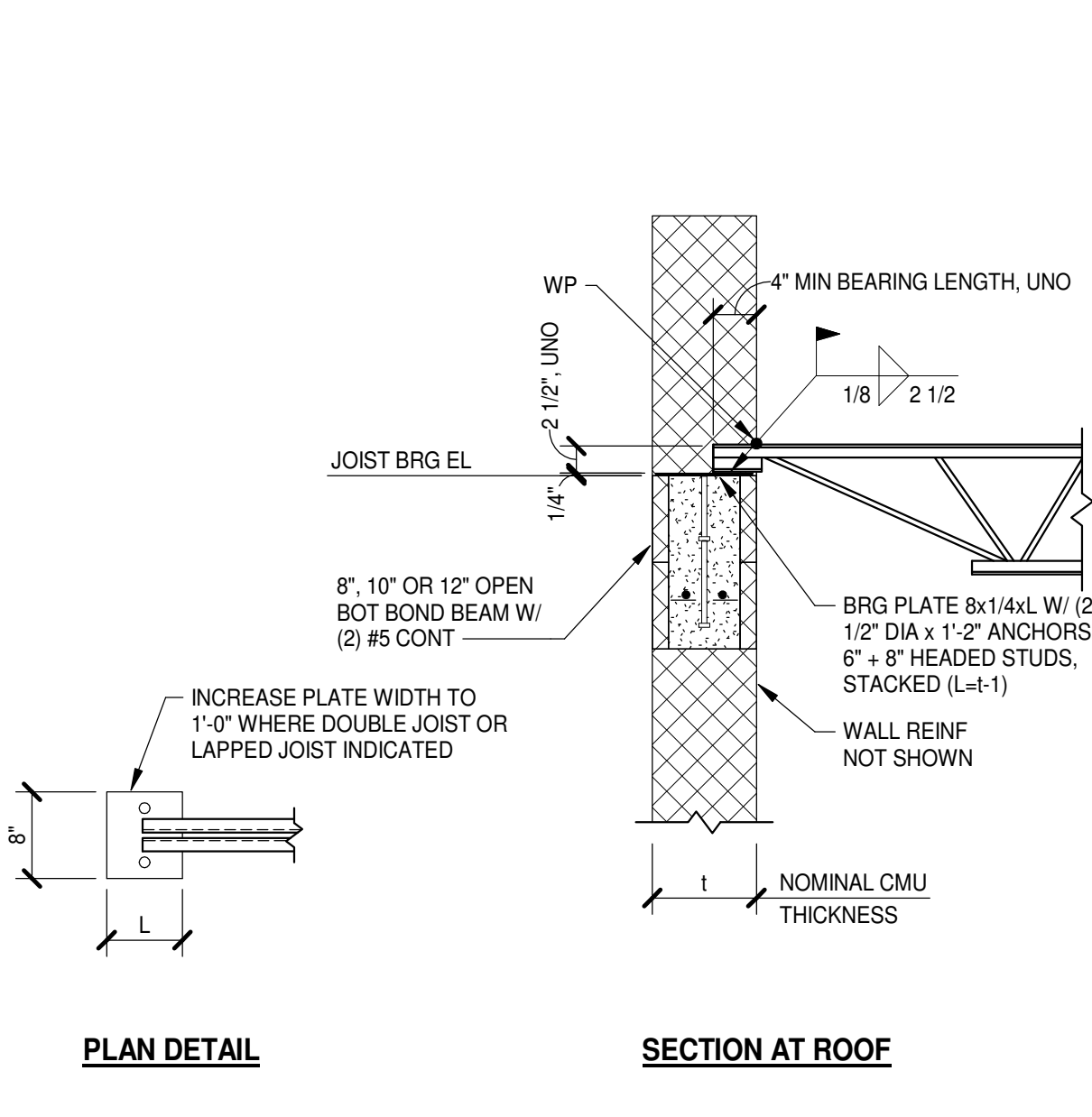
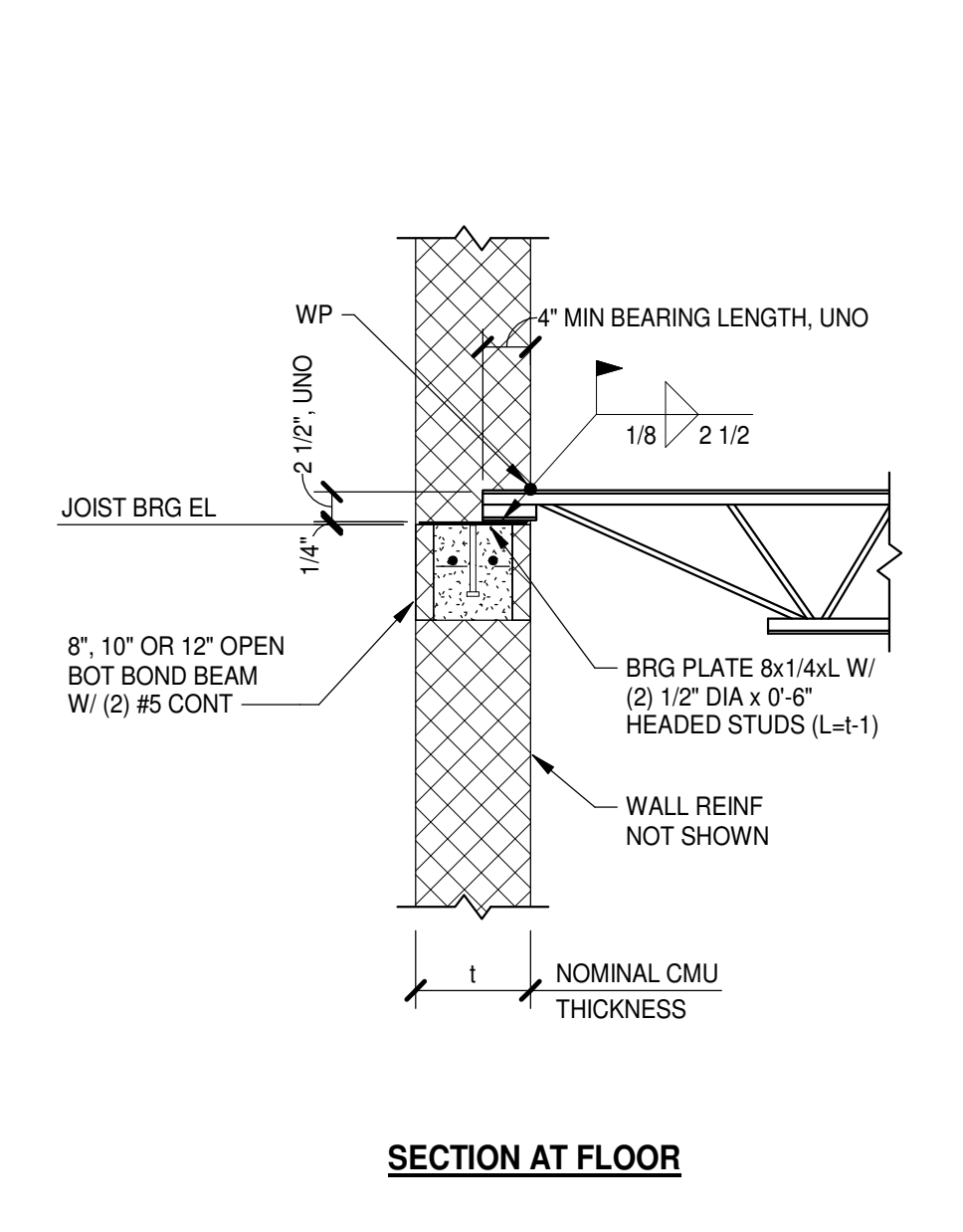
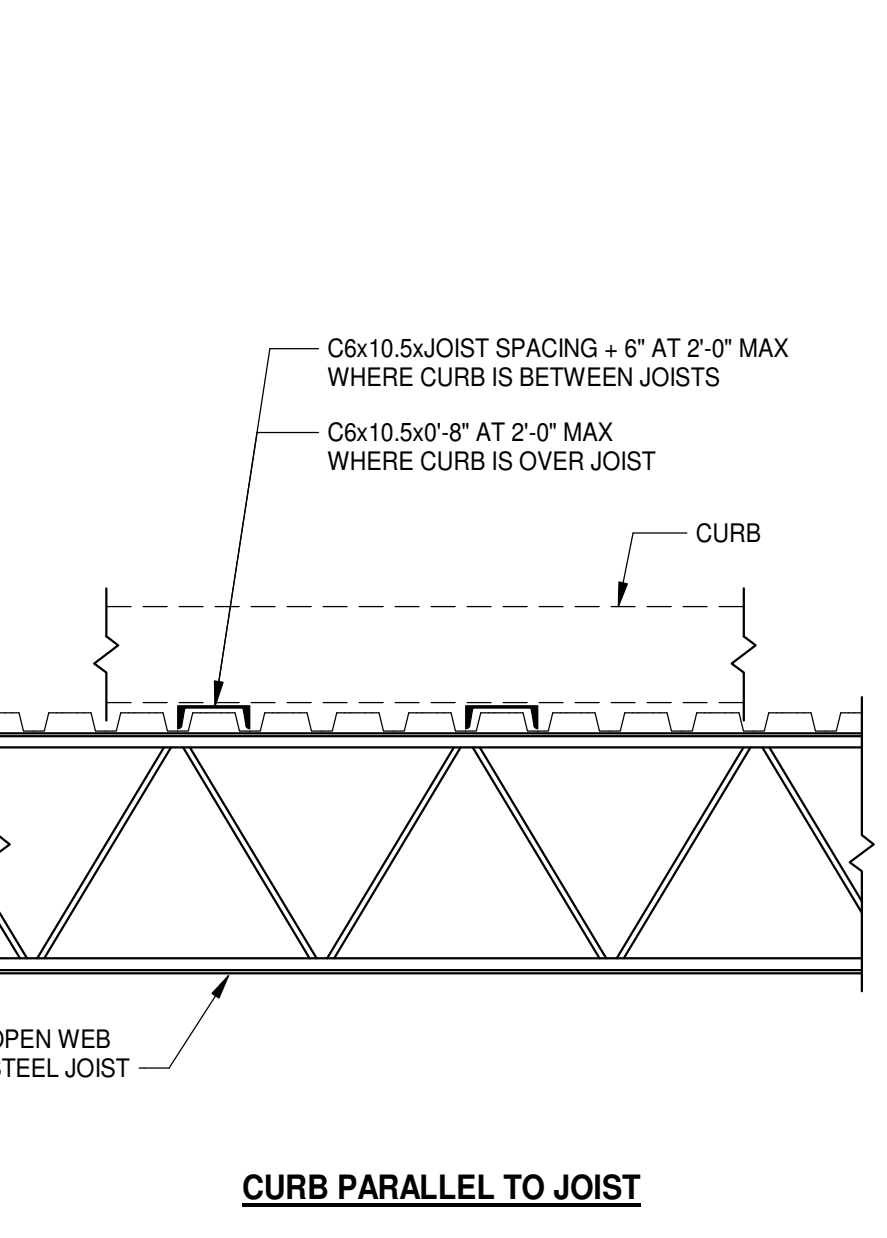
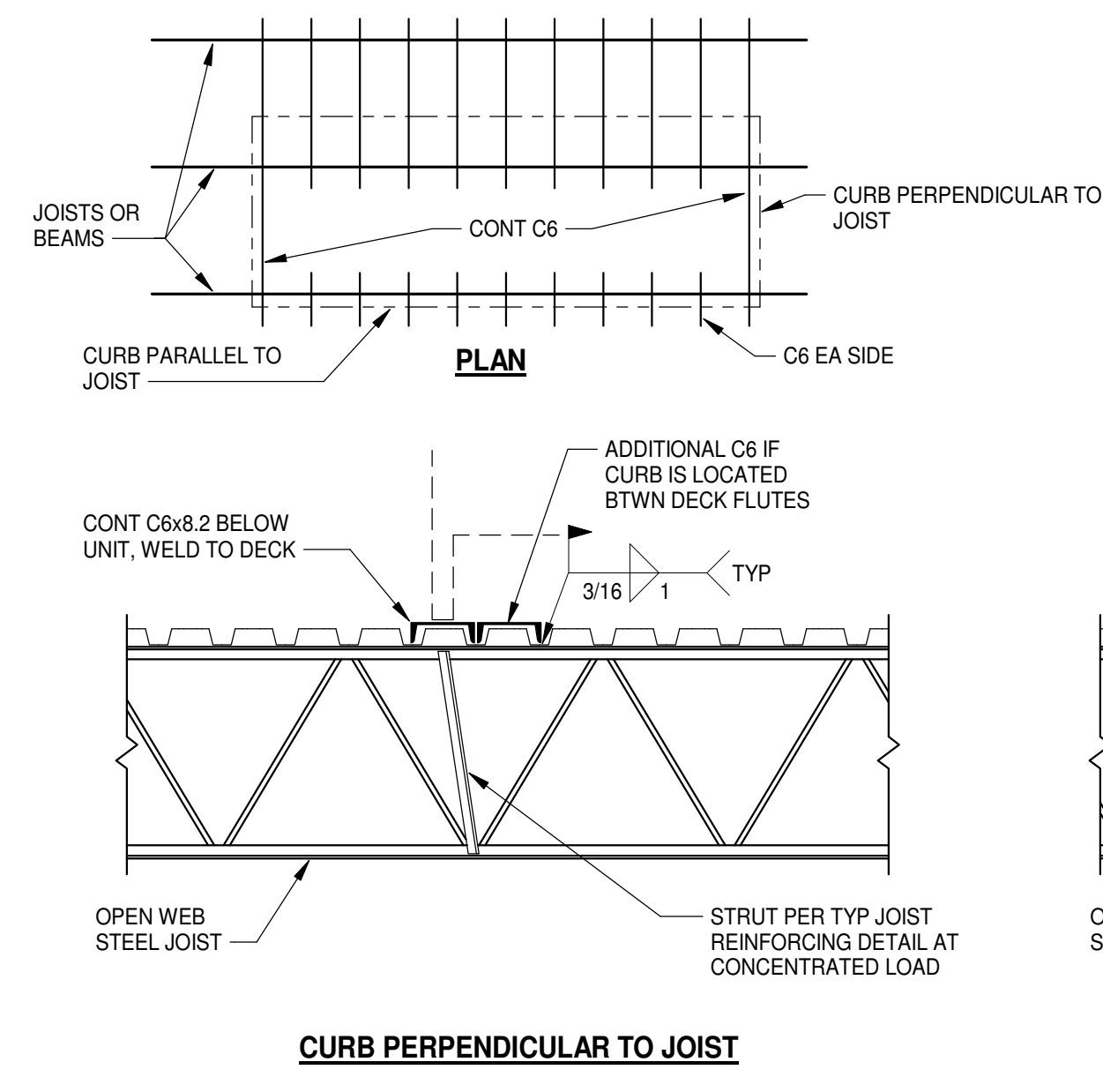


BRACING DETAILS FOR NON-LOAD BEARING INTERIOR MASONRY PARTITIONS

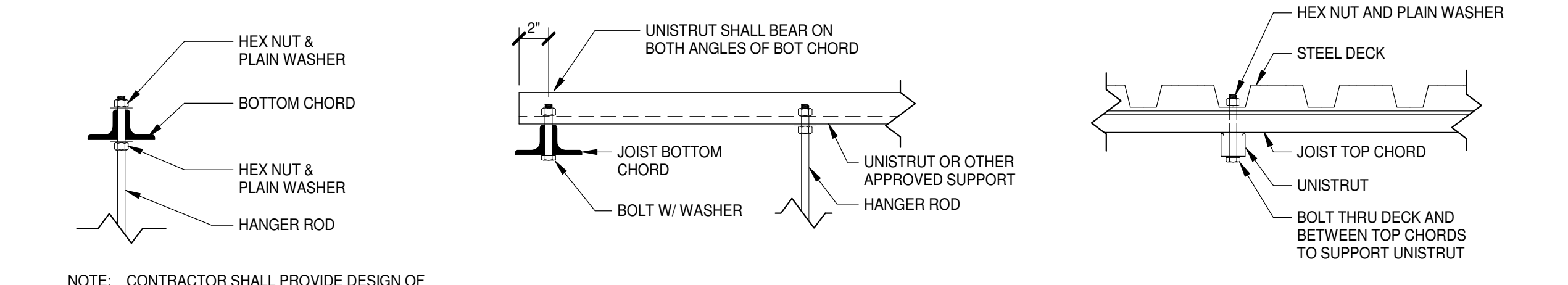
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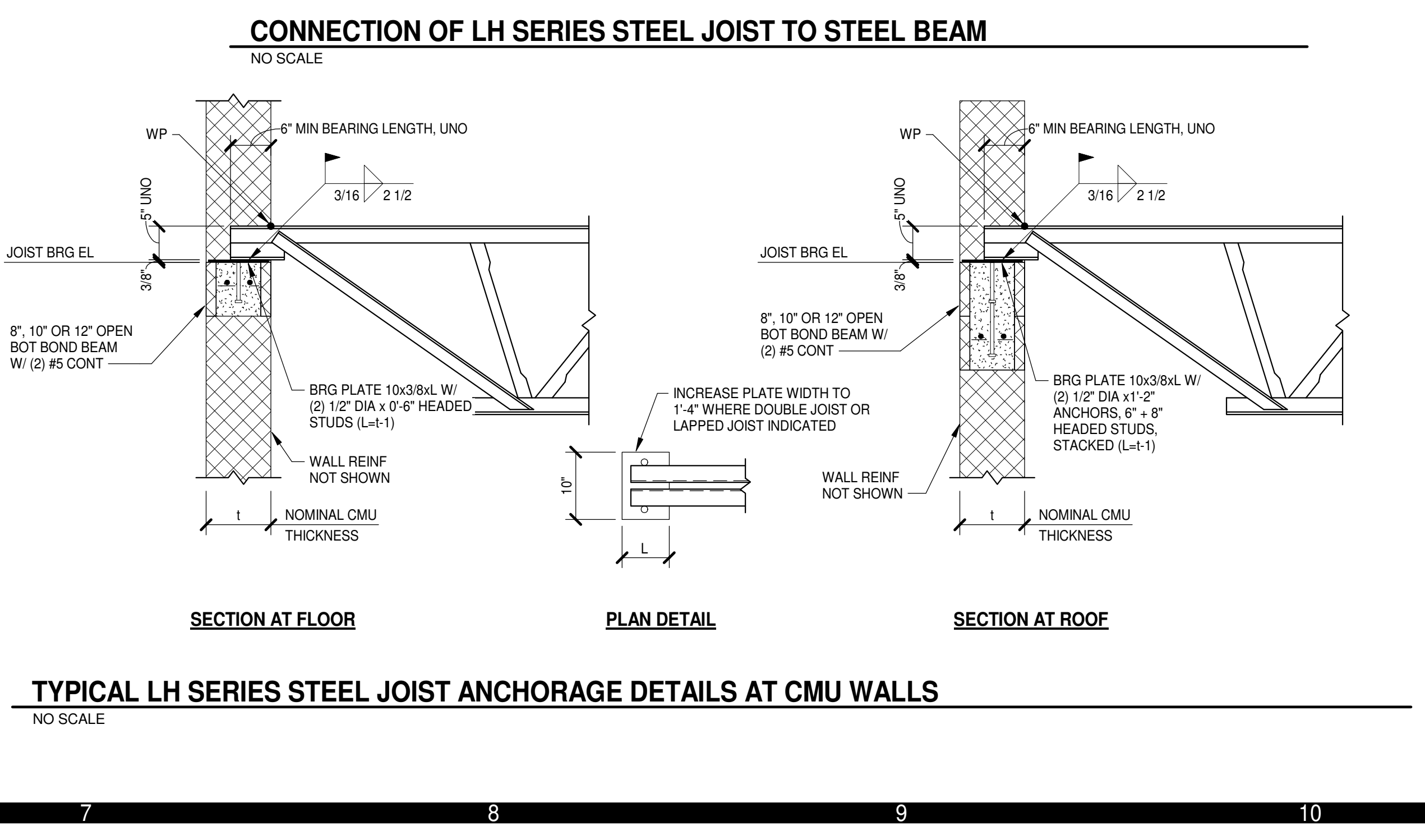
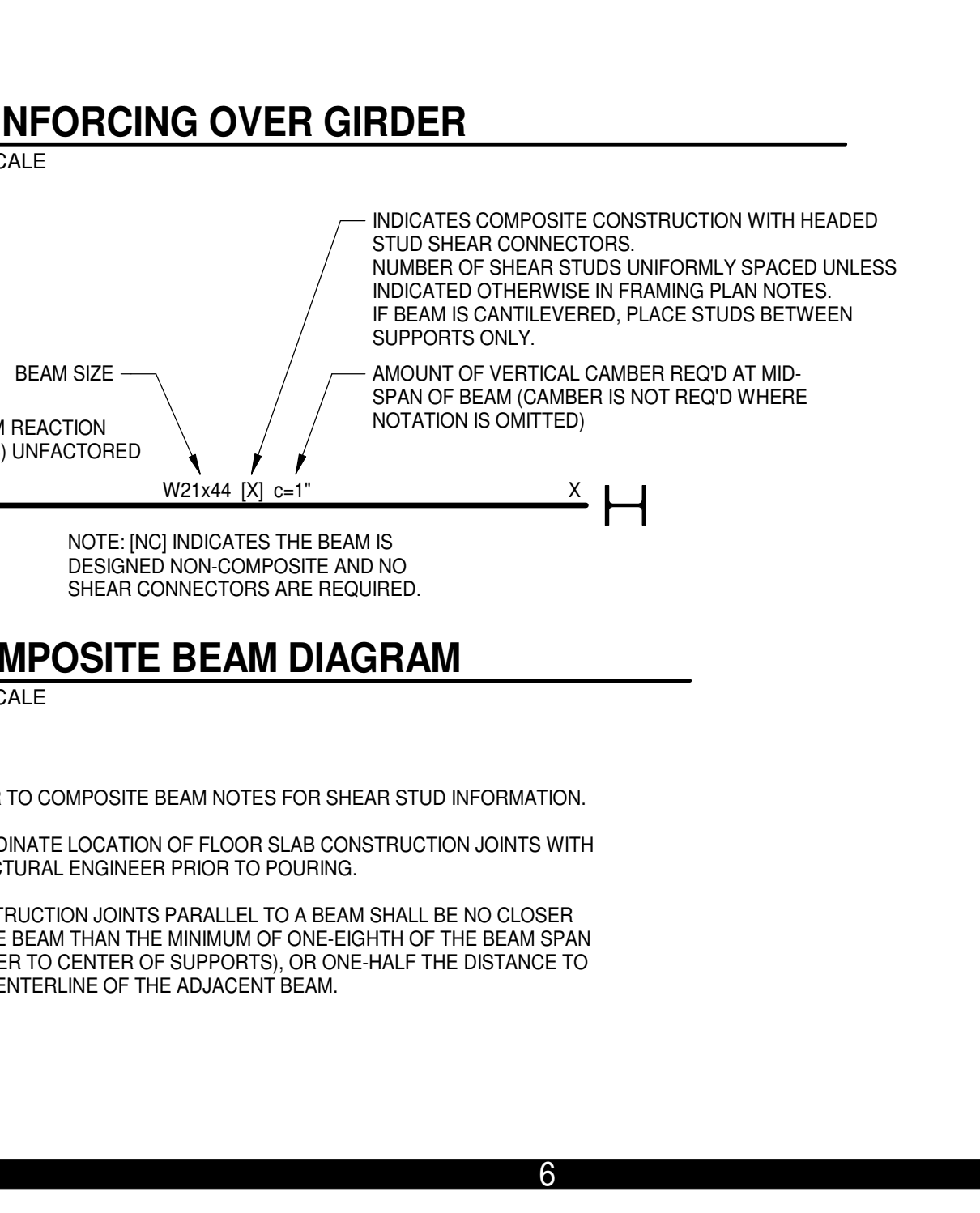
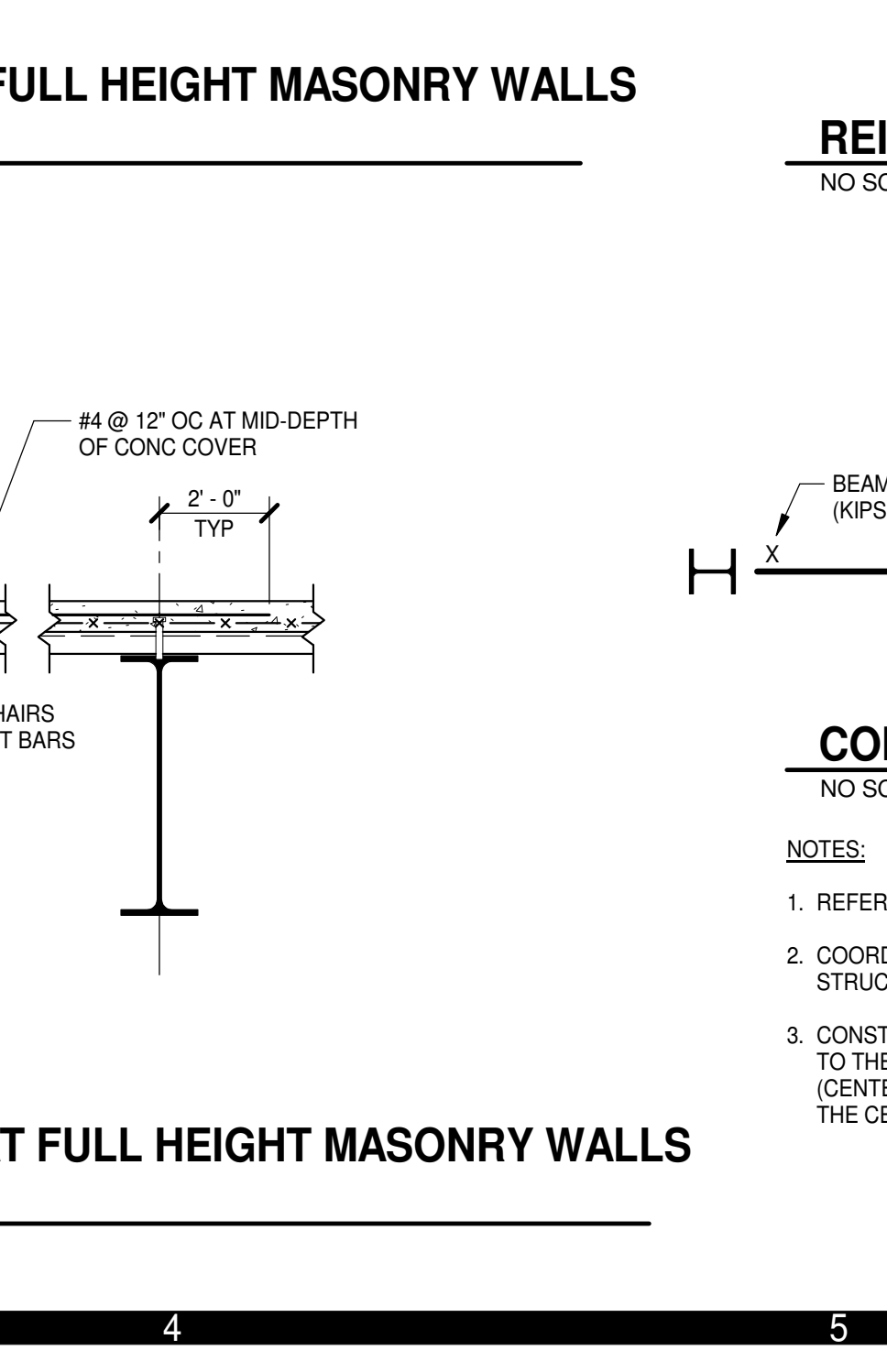
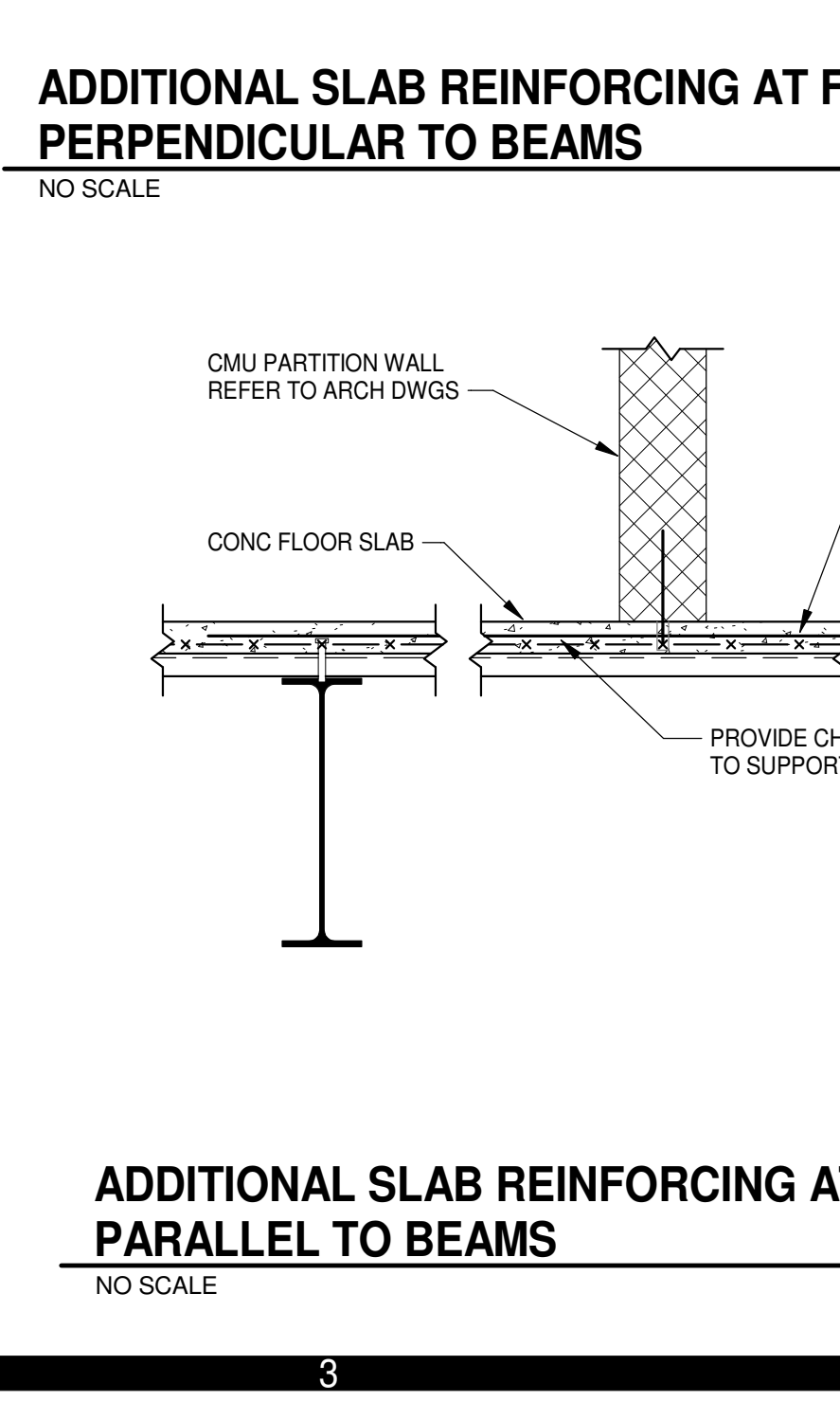
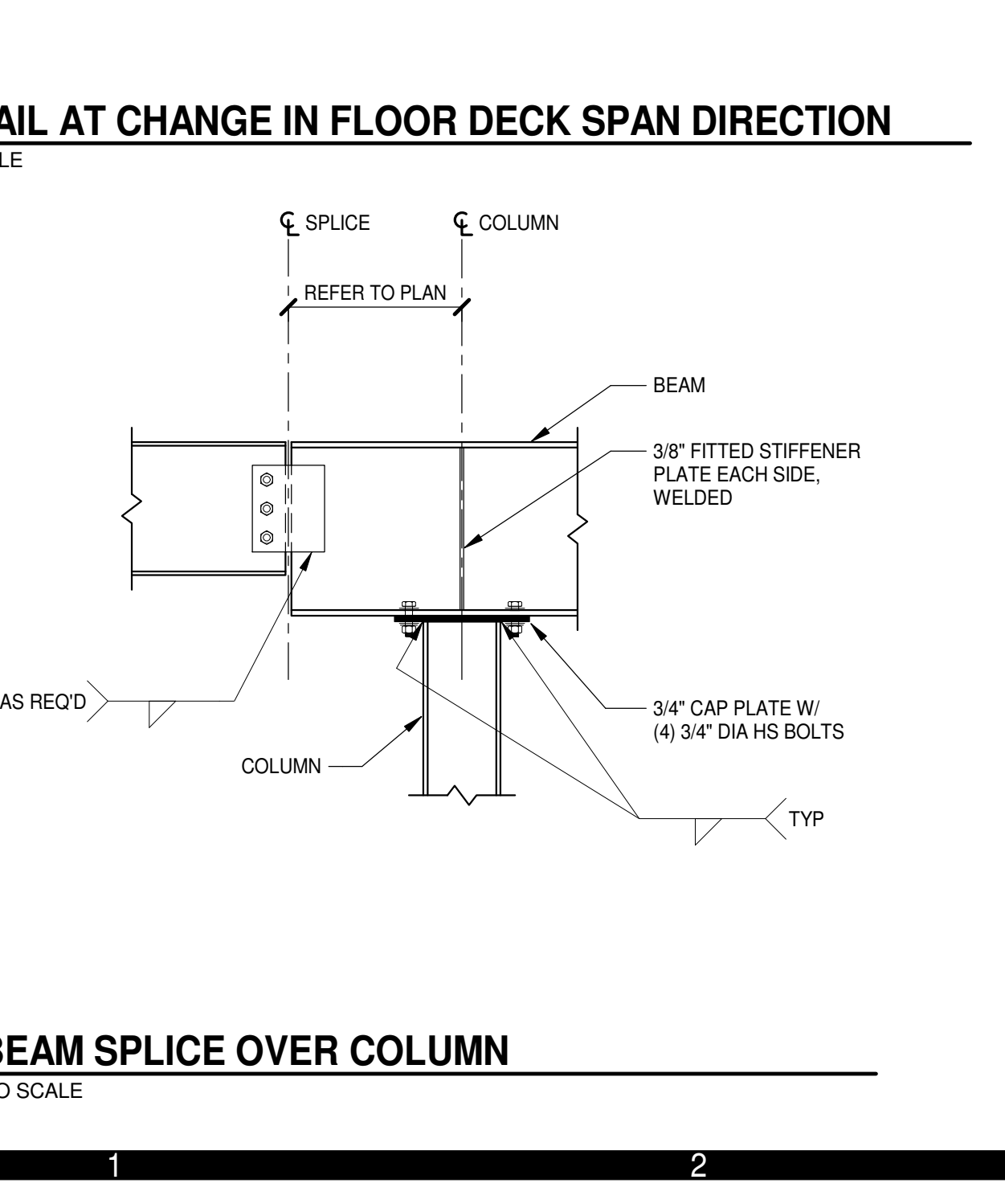
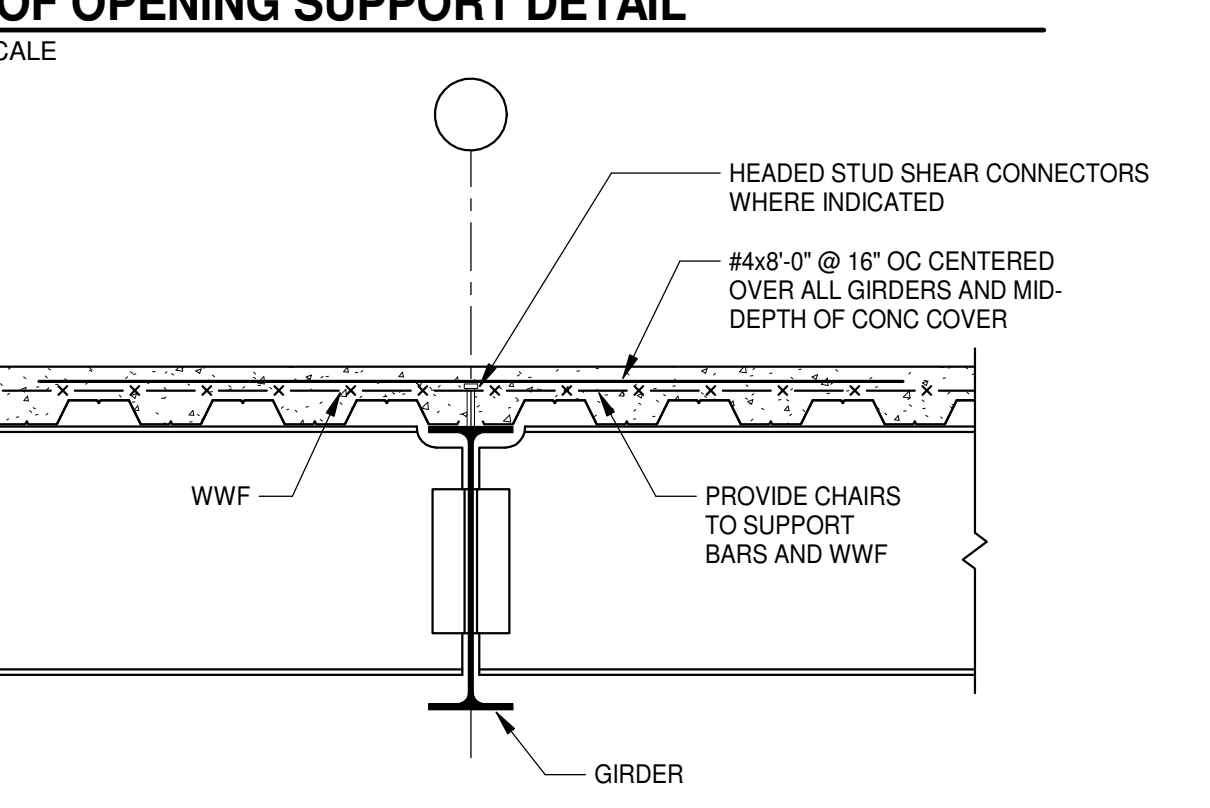
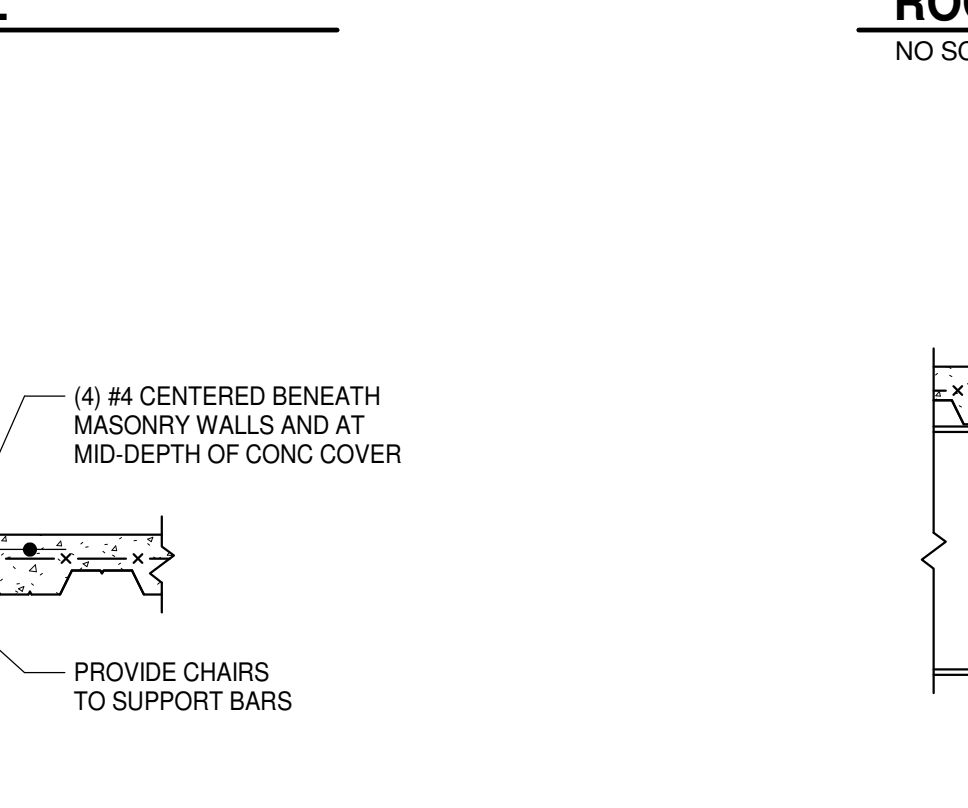
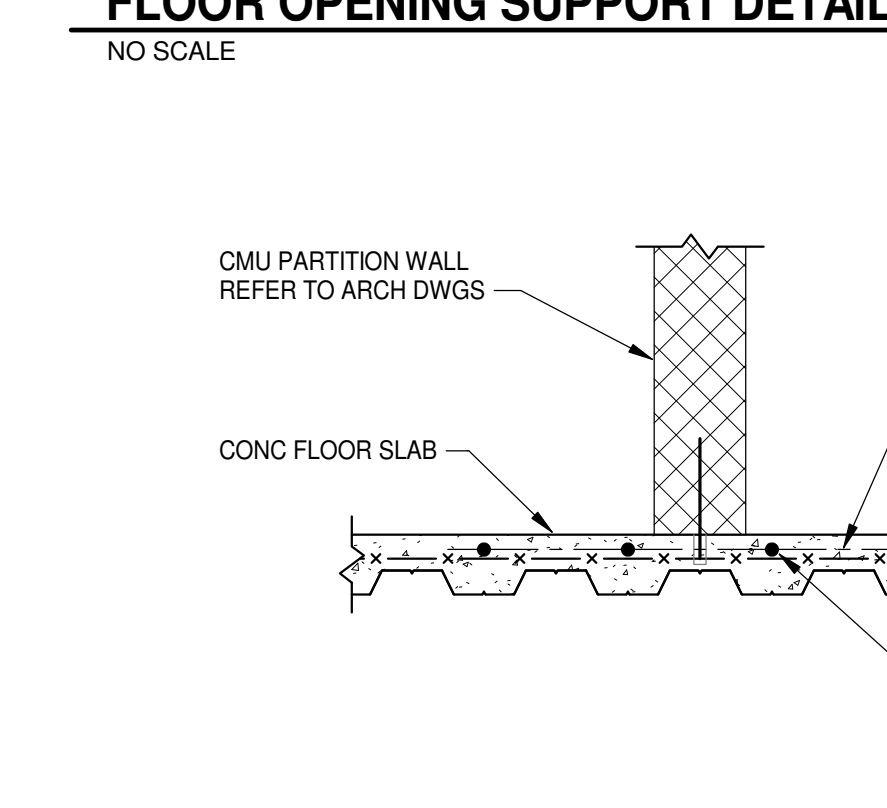
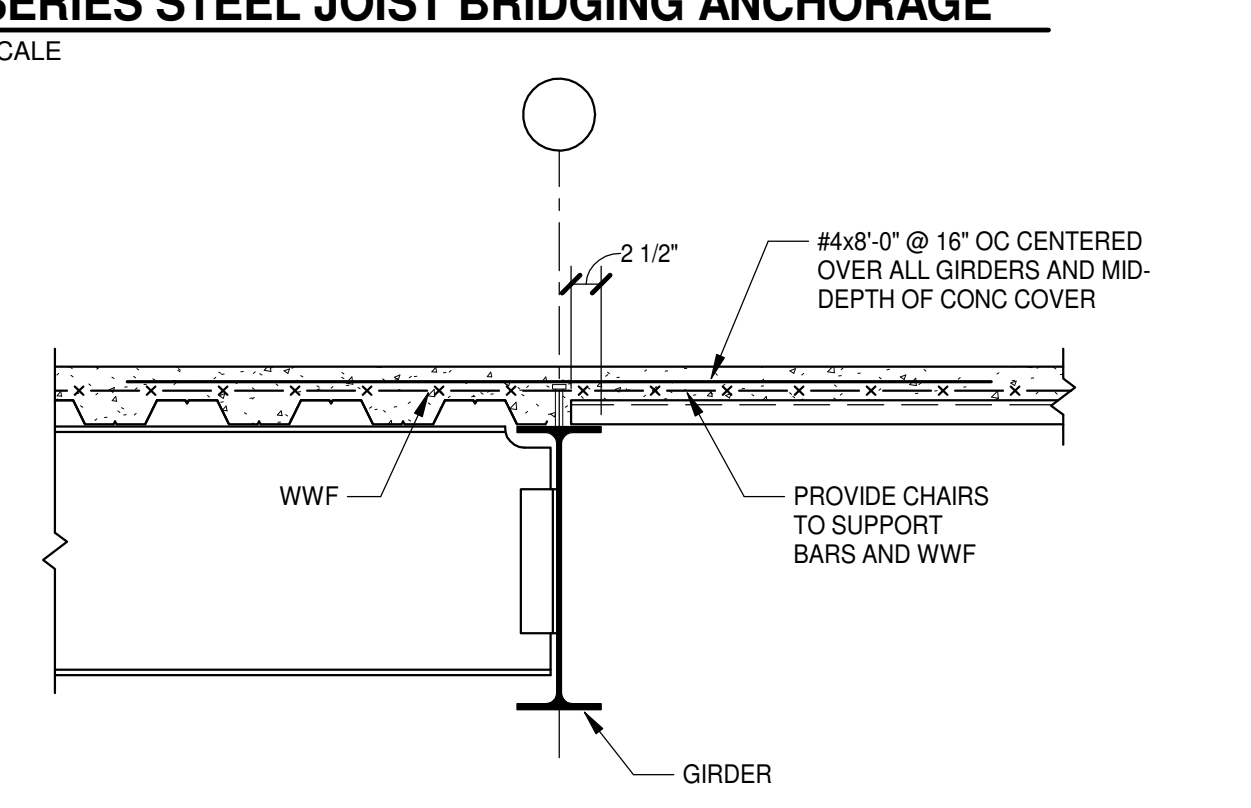
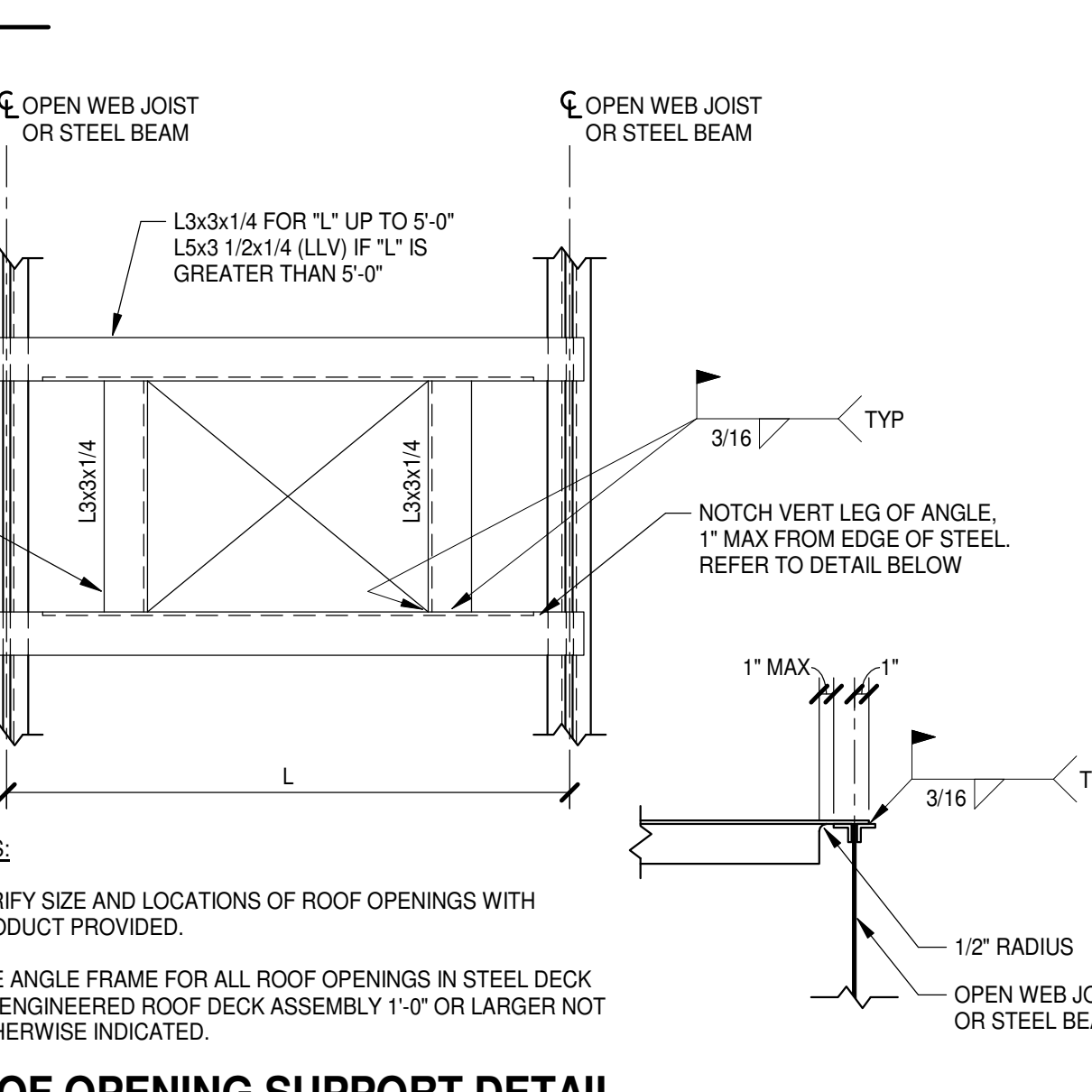
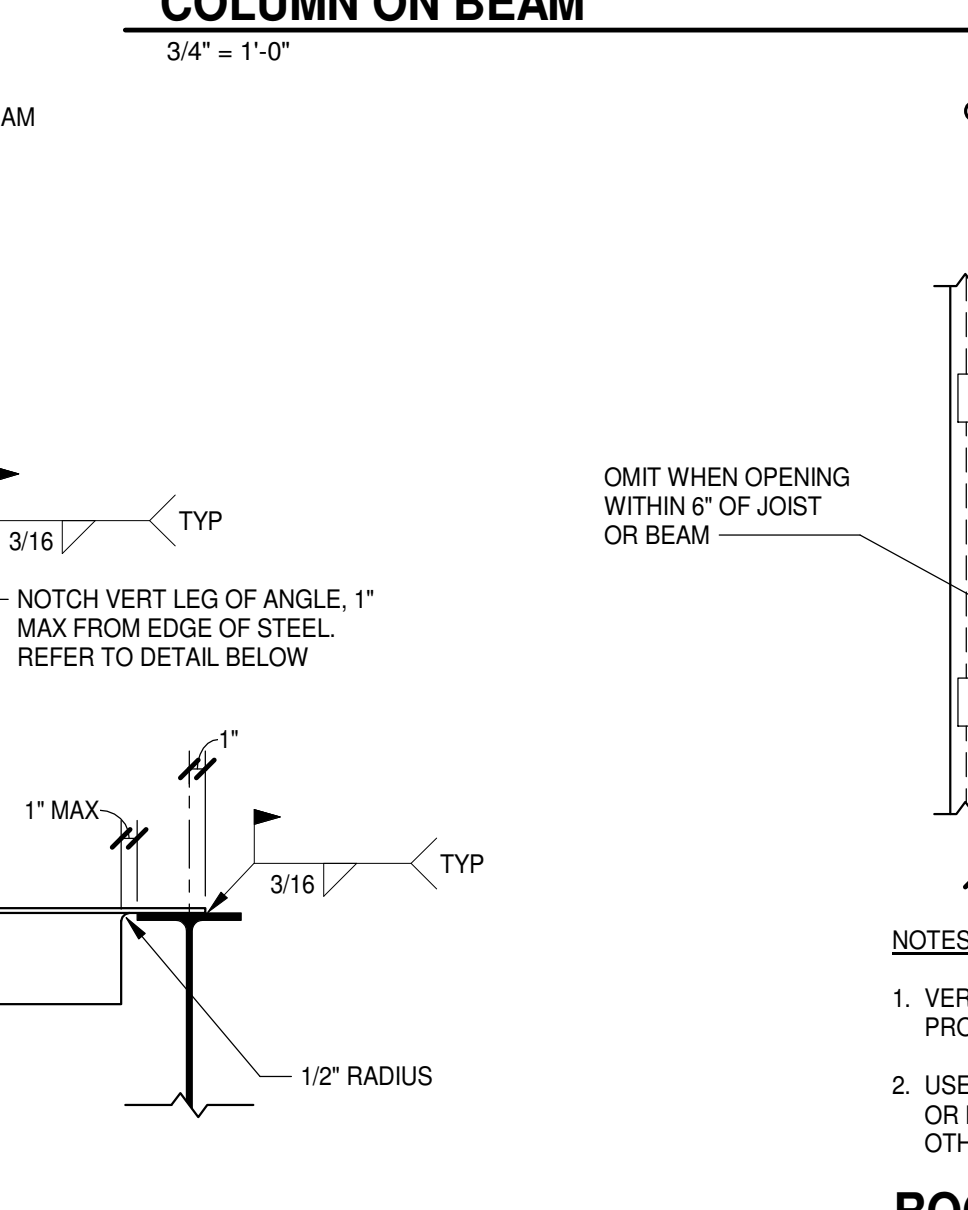
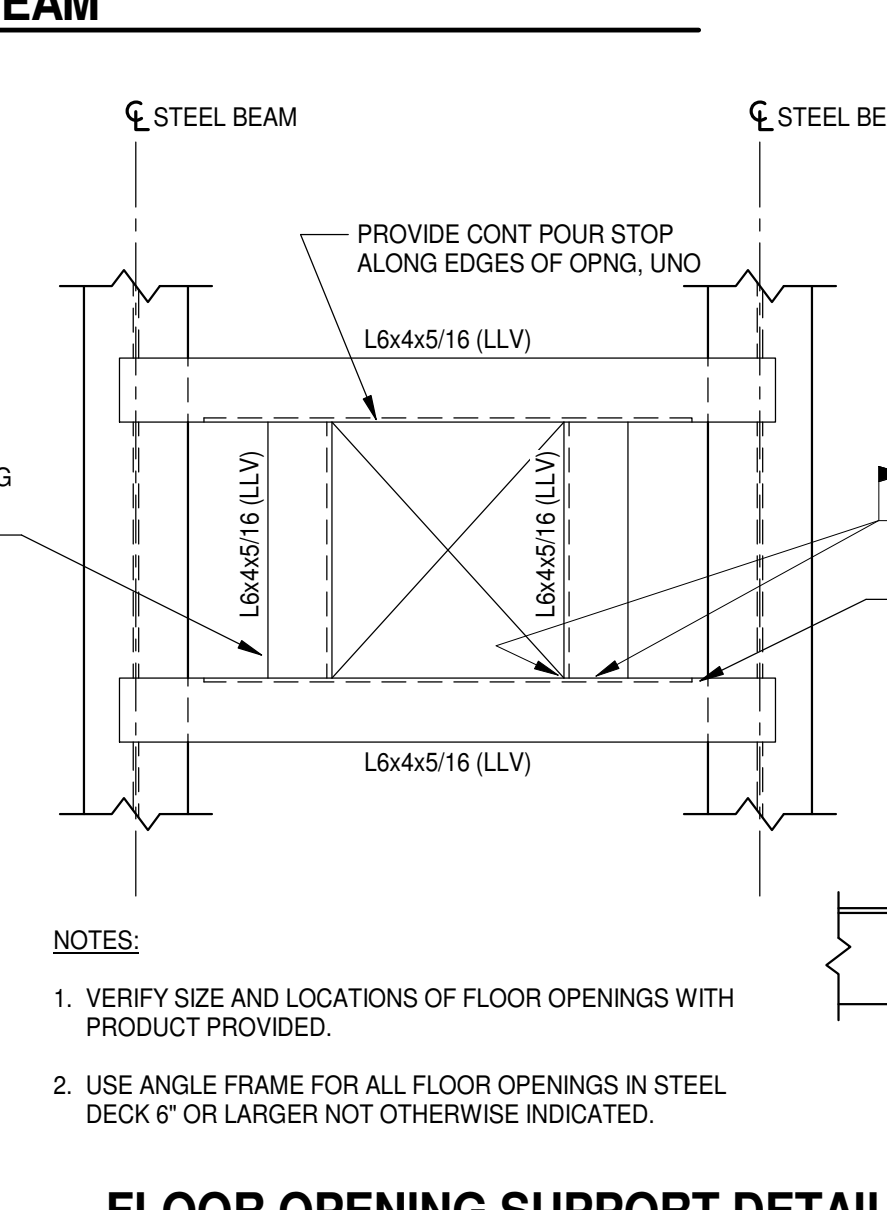
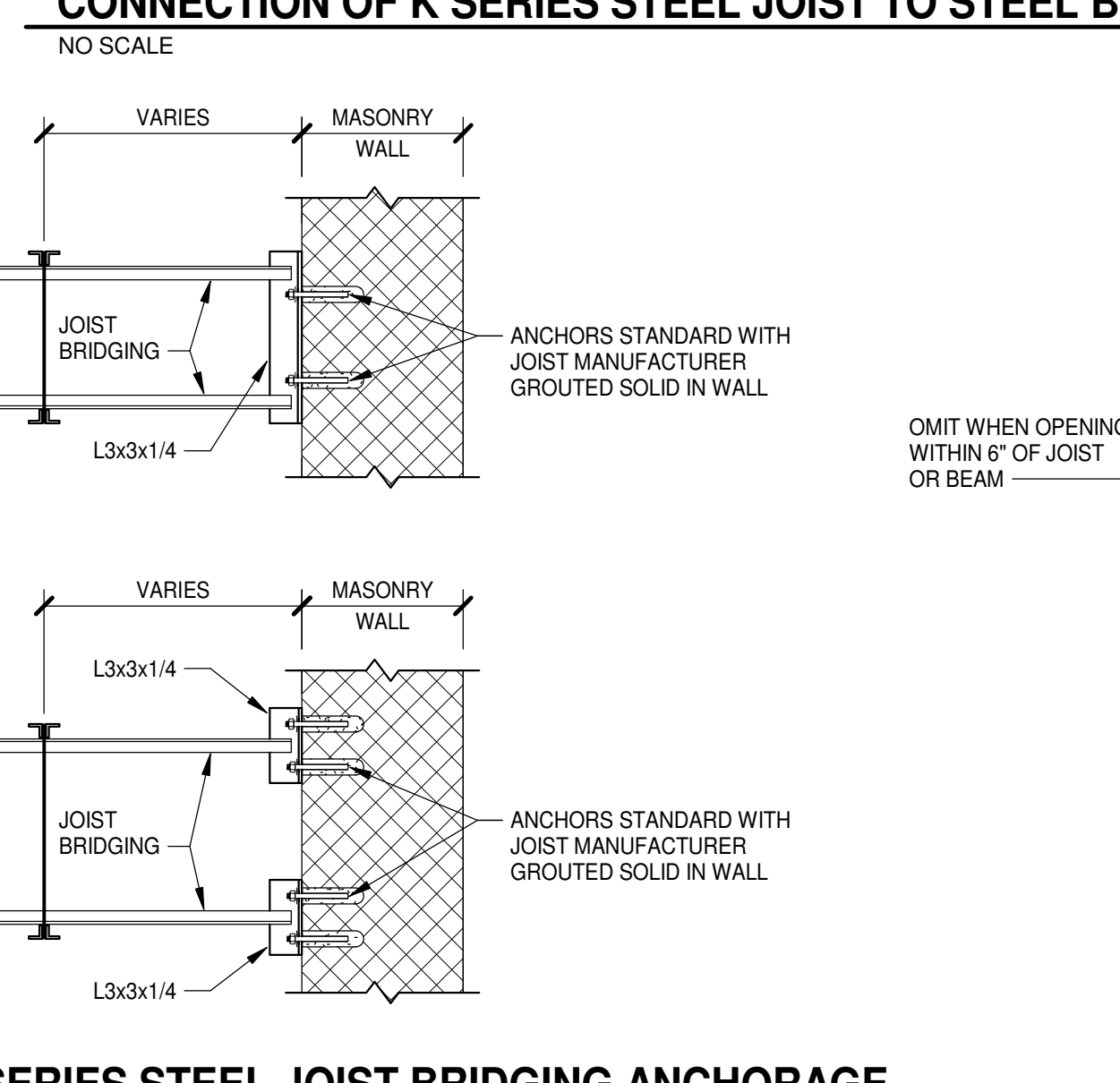
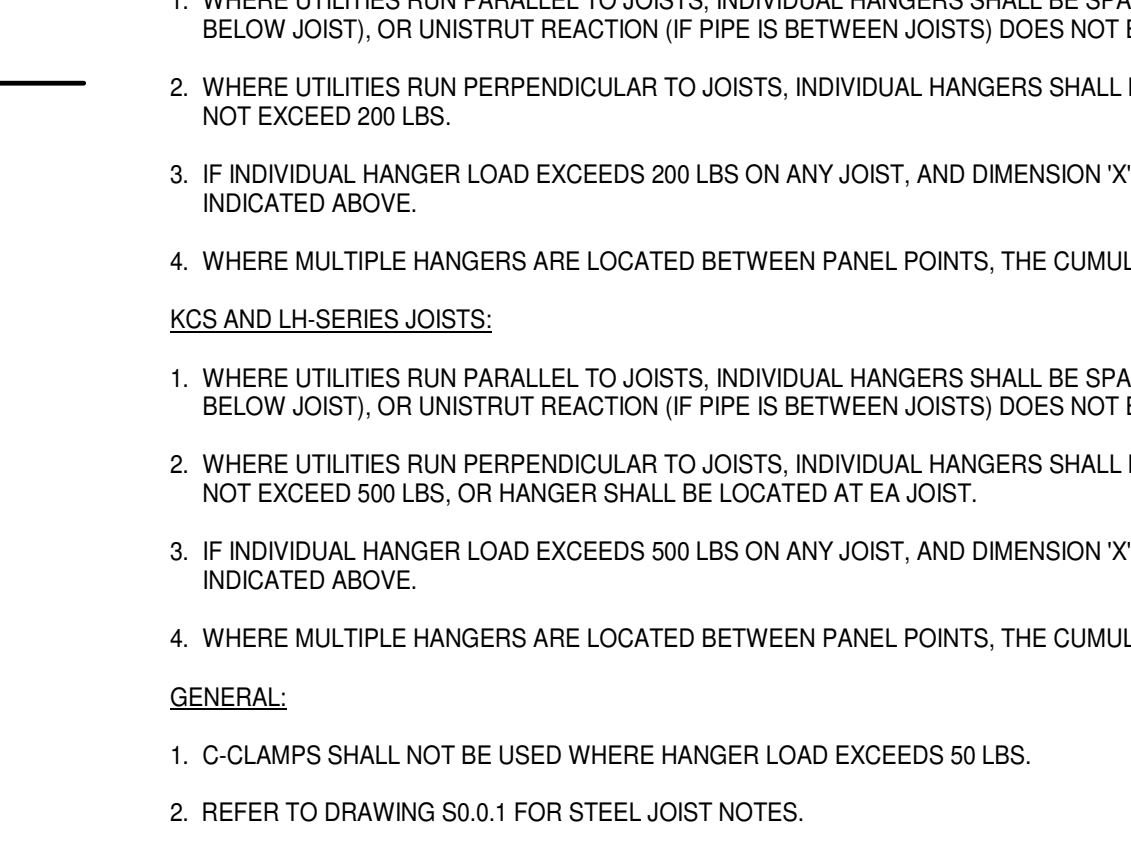
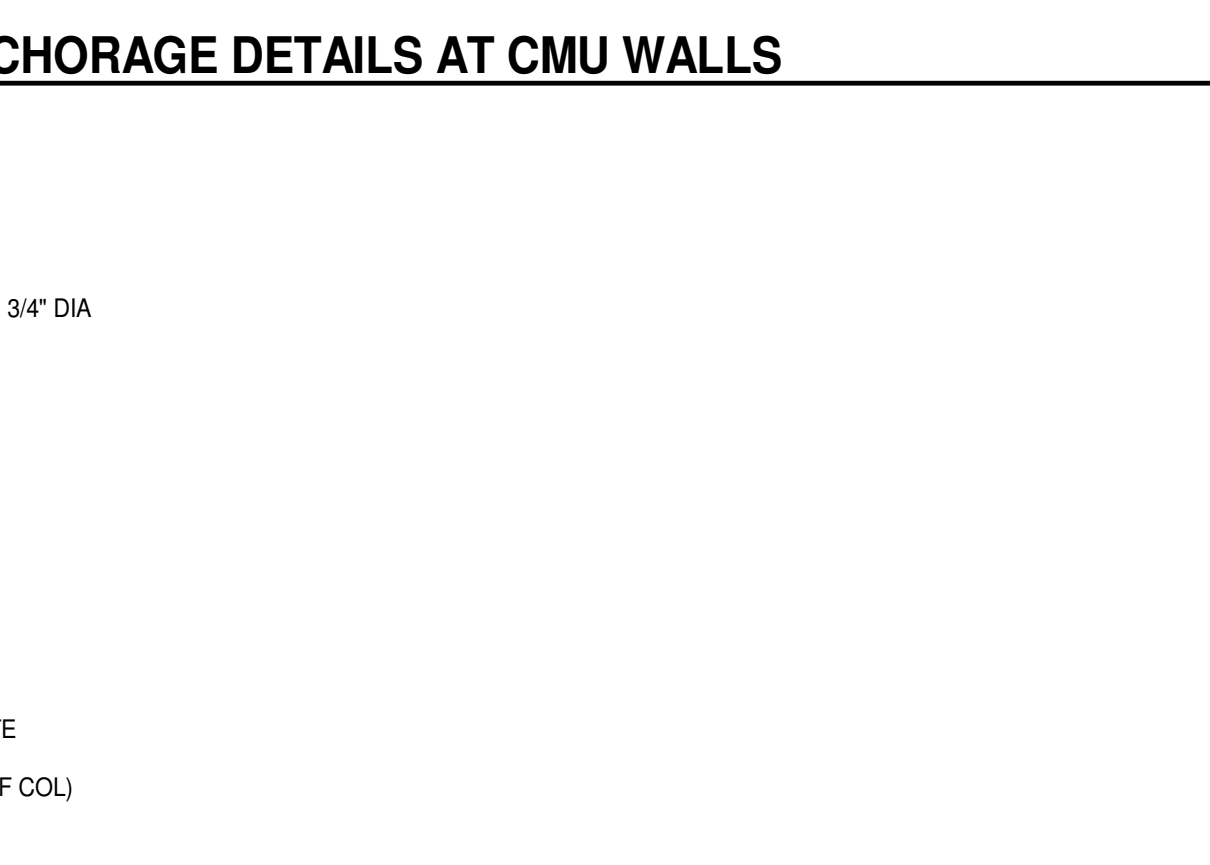
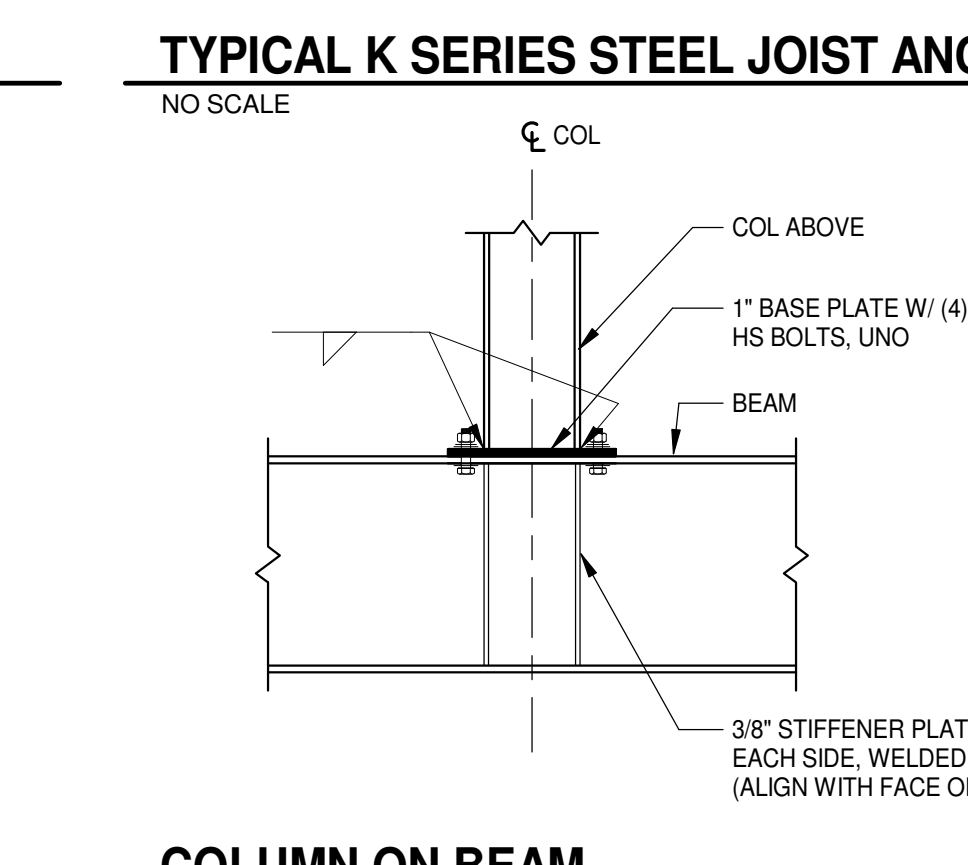
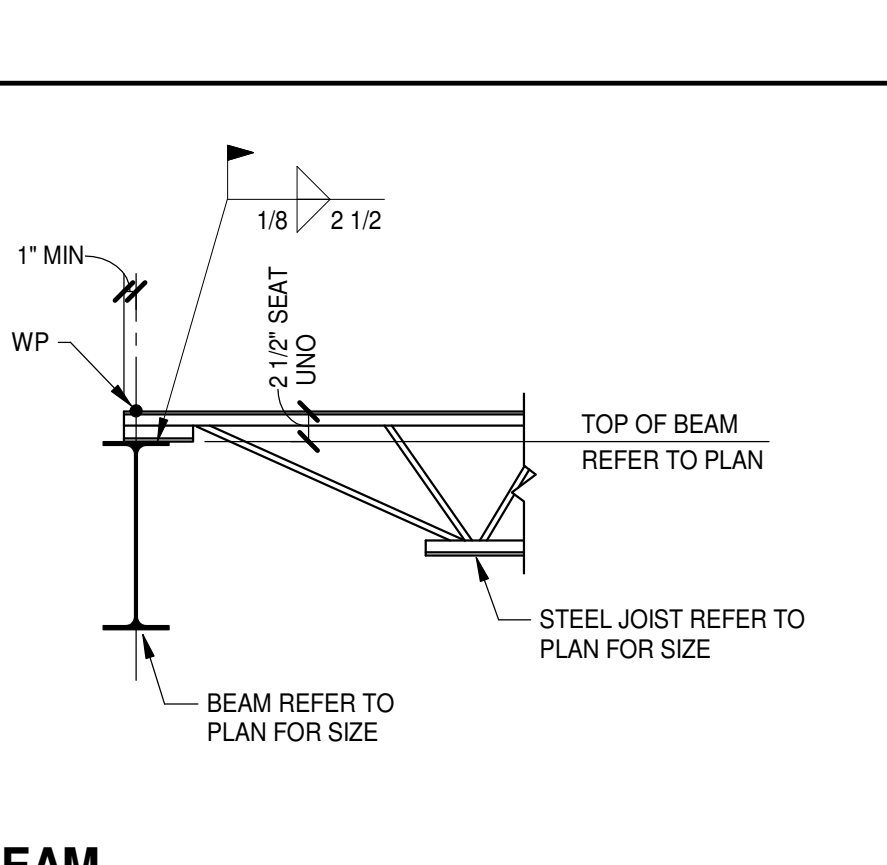
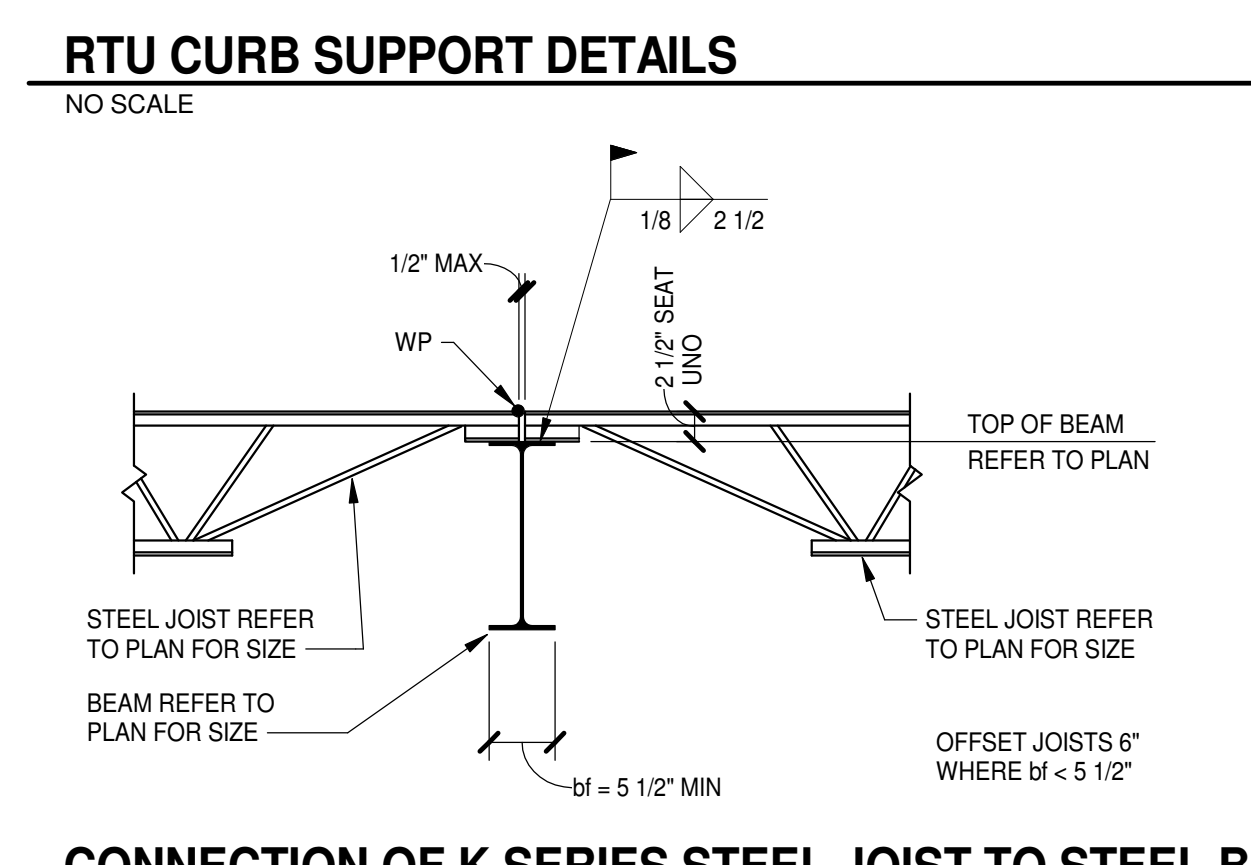
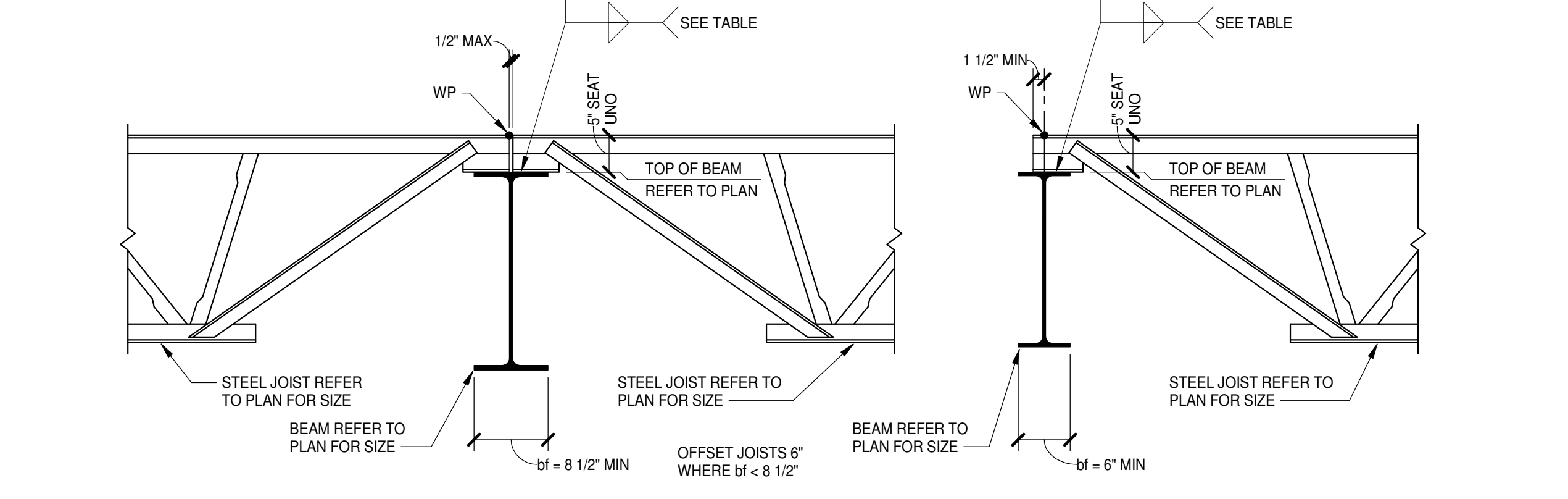


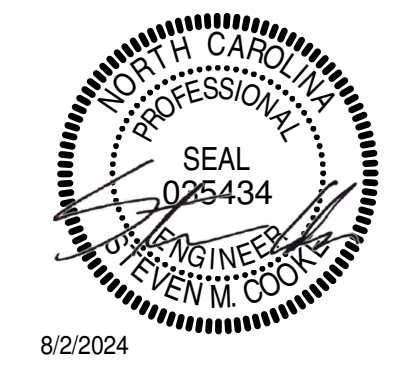
- K-SERIES JOISTS:**
- WHERE UTILITIES RUN PARALLEL TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD (IF DIRECTLY BELOW JOIST), OR UNISTRUT REACTION (IF PIPE IS BETWEEN JOISTS) DOES NOT EXCEED 200 LBS.
 - WHERE UTILITIES RUN PERPENDICULAR TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD DOES NOT EXCEED 200 LBS.
 - IF INDIVIDUAL HANGER LOAD EXCEEDS 200 LBS ON ANY JOIST, AND DIMENSION 'X' EXCEEDS 6", STRUTS SHALL BE INSTALLED AS INDICATED ABOVE.
 - WHERE MULTIPLE HANGERS ARE LOCATED BETWEEN PANEL POINTS, THE CUMULATIVE LOAD SHALL NOT EXCEED 200 LBS.
- KCS AND LH-SERIES JOISTS:**
- WHERE UTILITIES RUN PARALLEL TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD (IF DIRECTLY BELOW JOIST), OR UNISTRUT REACTION (IF PIPE IS BETWEEN JOISTS) DOES NOT EXCEED 500 LBS.
 - WHERE UTILITIES RUN PERPENDICULAR TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD DOES NOT EXCEED 500 LBS, OR HANGER SHALL BE LOCATED AT EA JOIST.
 - IF INDIVIDUAL HANGER LOAD EXCEEDS 500 LBS ON ANY JOIST, AND DIMENSION 'X' EXCEEDS 6", STRUTS SHALL BE INSTALLED AS INDICATED ABOVE.
 - WHERE MULTIPLE HANGERS ARE LOCATED BETWEEN PANEL POINTS, THE CUMULATIVE LOAD SHALL NOT EXCEED 500 LBS.
- GENERAL:**
- C-CLAMPS SHALL NOT BE USED WHERE HANGER LOAD EXCEEDS 50 LBS.
 - REFER TO DRAWING 80.0.1 FOR STEEL JOIST NOTES.



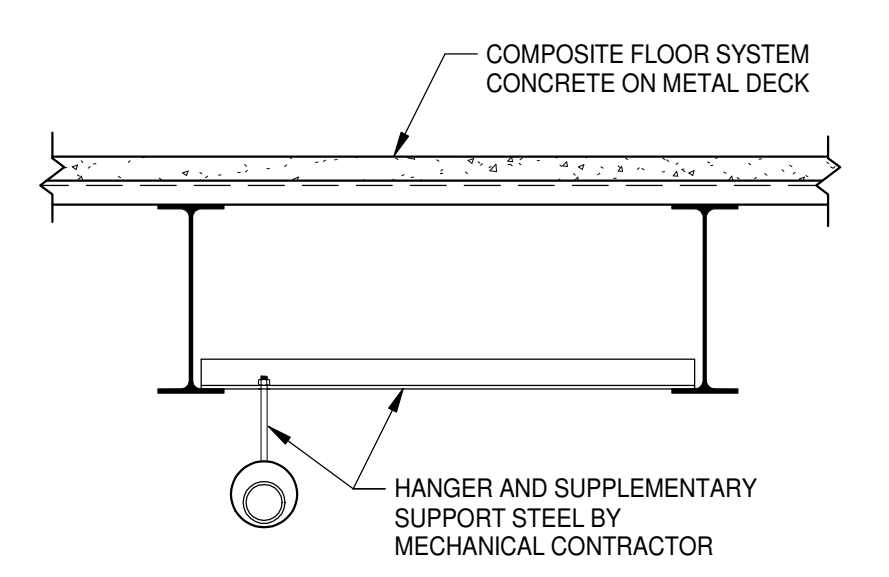
LH JOIST WELD TABLE

JOIST SECTION	MINIMUM FILLET WELD
LH-02-06	(2) 3/16" x 2 1/2"
LH-07-17	(2) 1/4" x 2 1/2"
DLH	(2) 1/4" x 4"



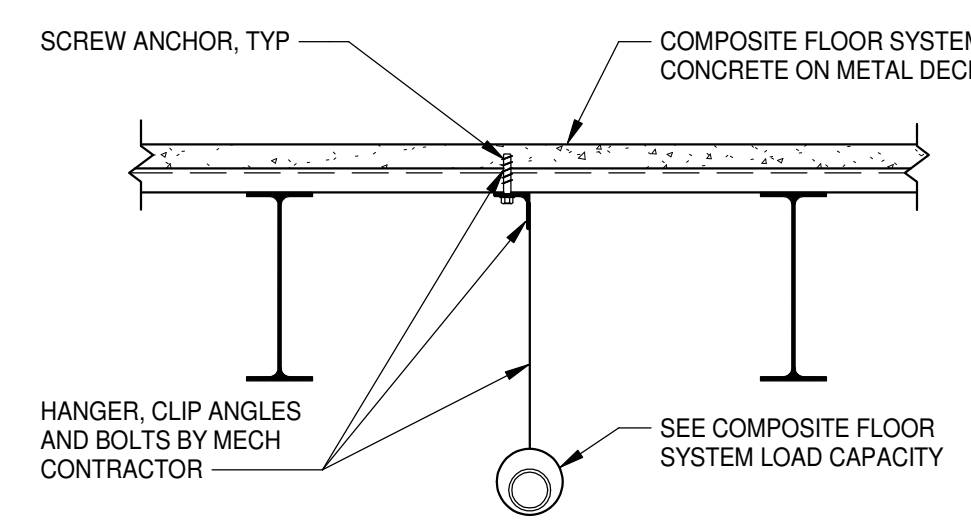


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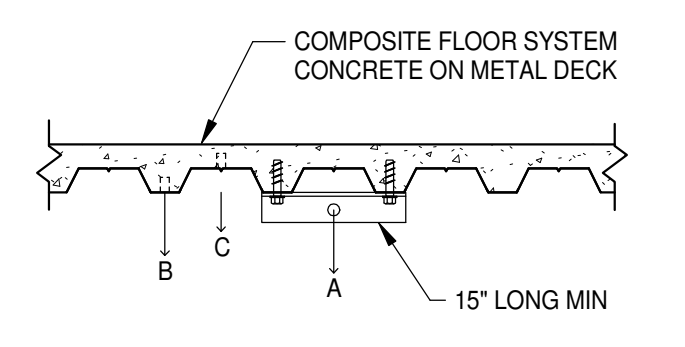
NOTES:
1. USE SUPPLEMENTAL SUPPORT STEEL FOR 6" DIA PIPE AND LARGER EXCEPT FOR 6" DIA ROOF LEADER.
2. IF SUPPLEMENTARY STEEL IS NOT IN PLACE BEFORE SPRAY FIREPROOFING, REPAIR OF DAMAGED FIREPROOFING IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

BEAM SUPPORTED UTILITY HANGER
NO SCALE



NOTE:
1. ONLY ONE CONNECTION PER RIB IN ONE SPAN OF DECK BETWEEN BEAMS/SUPPORT.

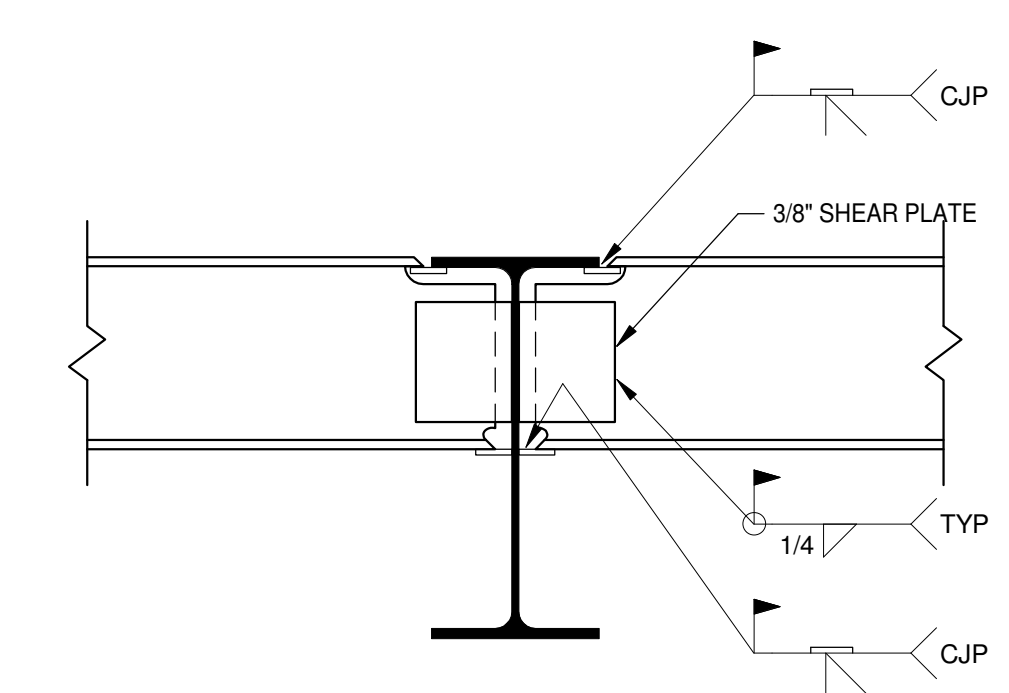
DECK SUPPORTED UTILITY HANGER
NO SCALE



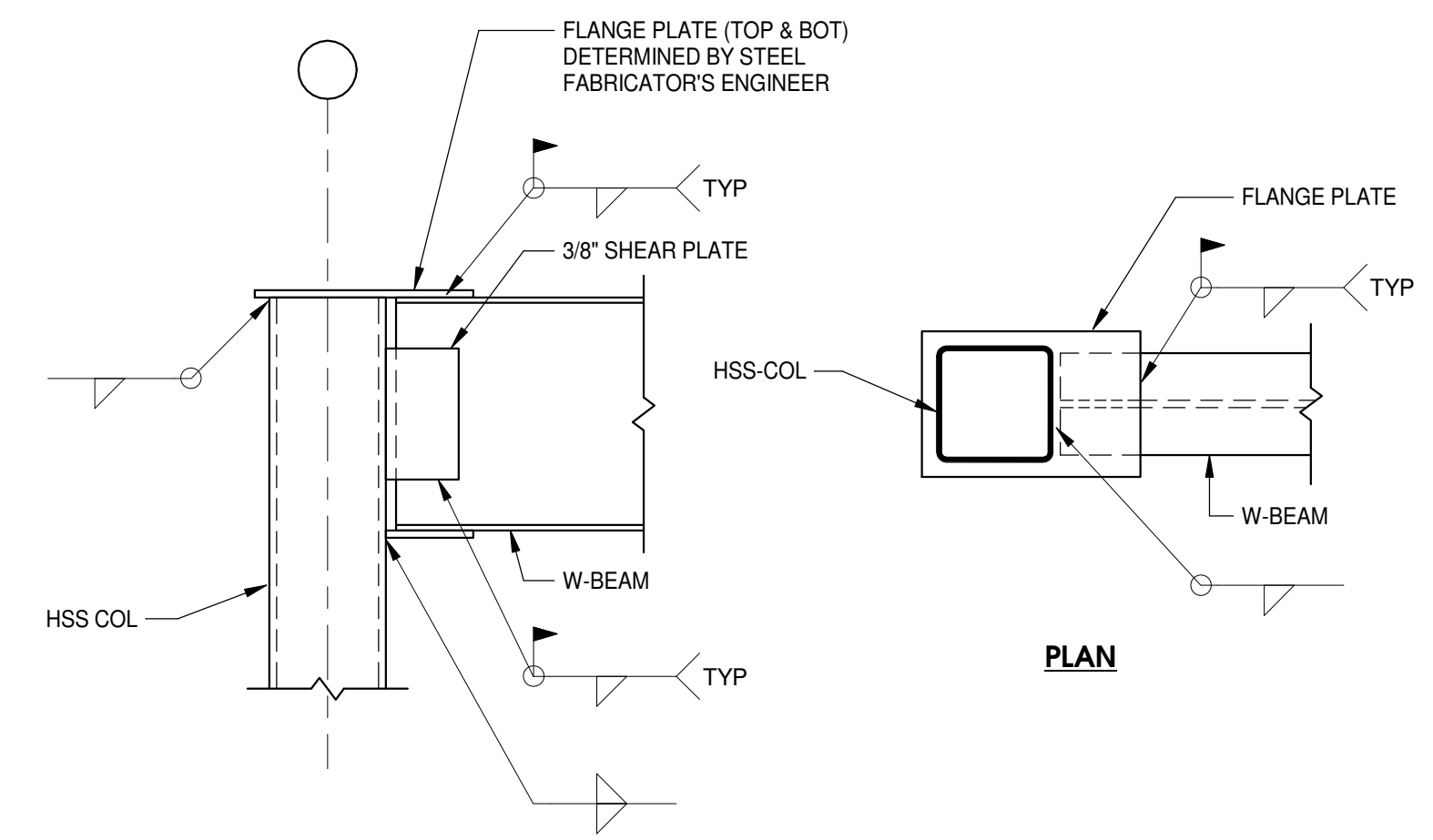
COMPOSITE FLOOR SYSTEM LOAD CAPACITY	
LOAD TO FLOOR SYSTEM	
A	250 lb'
B	100 lb'
C	0

DO NOT HANG FROM THIN PORTION

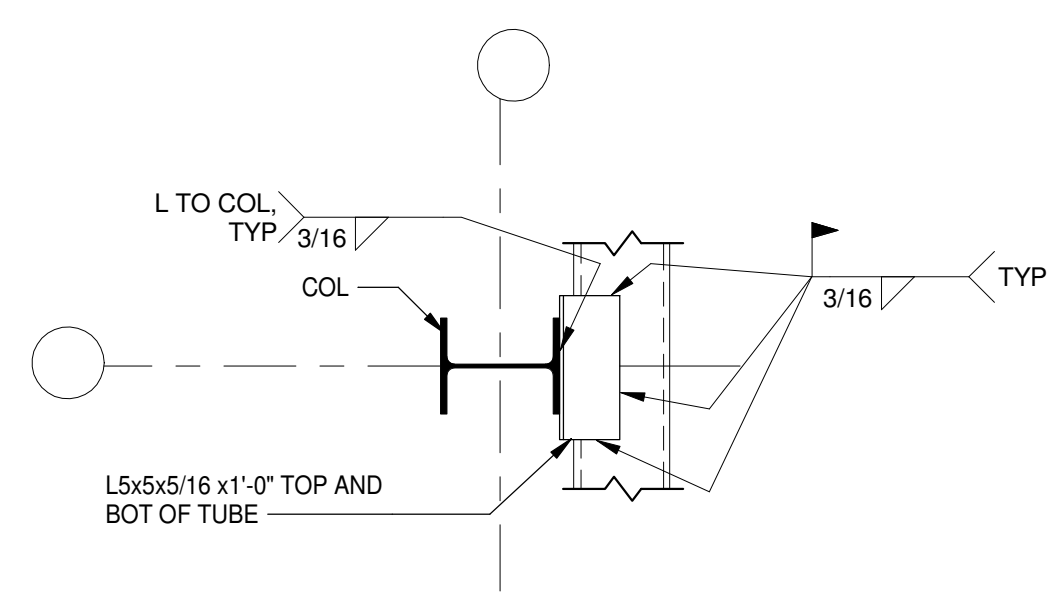
* ANCHORAGE INTO CONCRETE, BY OTHERS, FOR MISC COMPONENTS AND HANGERS, SHALL BE DESIGNED FOR THE ACTUAL LOAD AND FURNISHED BY THE MECHANICAL SUB-CONTRACTOR. MECHANICAL SUB-CONTRACTOR SHALL VERIFY SCREW ANCHOR DIAMETER AND EMBEDMENT DEPTH FOR THE REQUIRED LOADING AND AVAILABLE DEPTH OF CONCRETE.



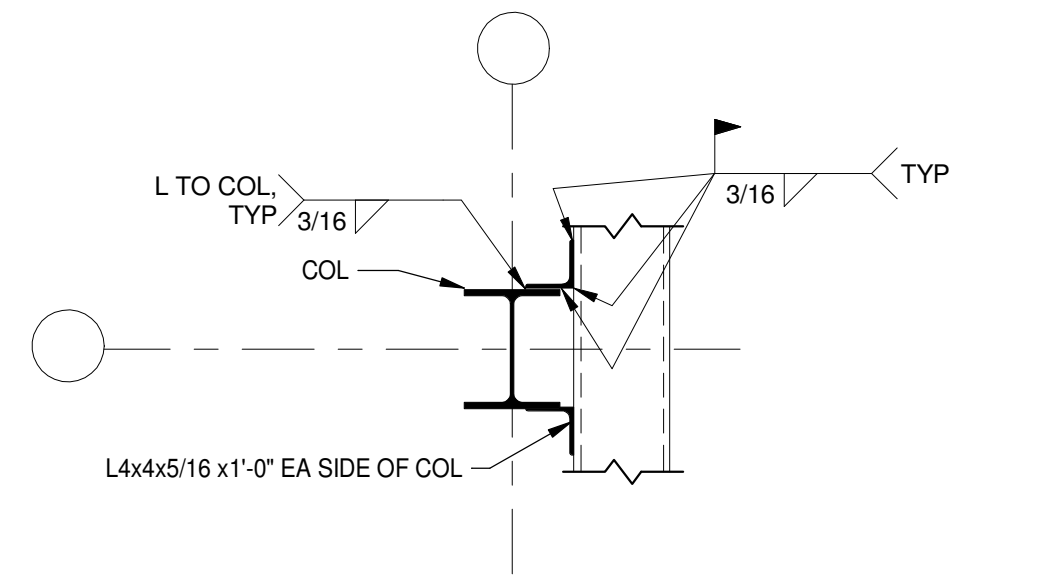
10 TYPICAL MOMENT CONN (W-BEAM TO W-BEAM)
S4.0.3 1 1/2" = 1'-0"



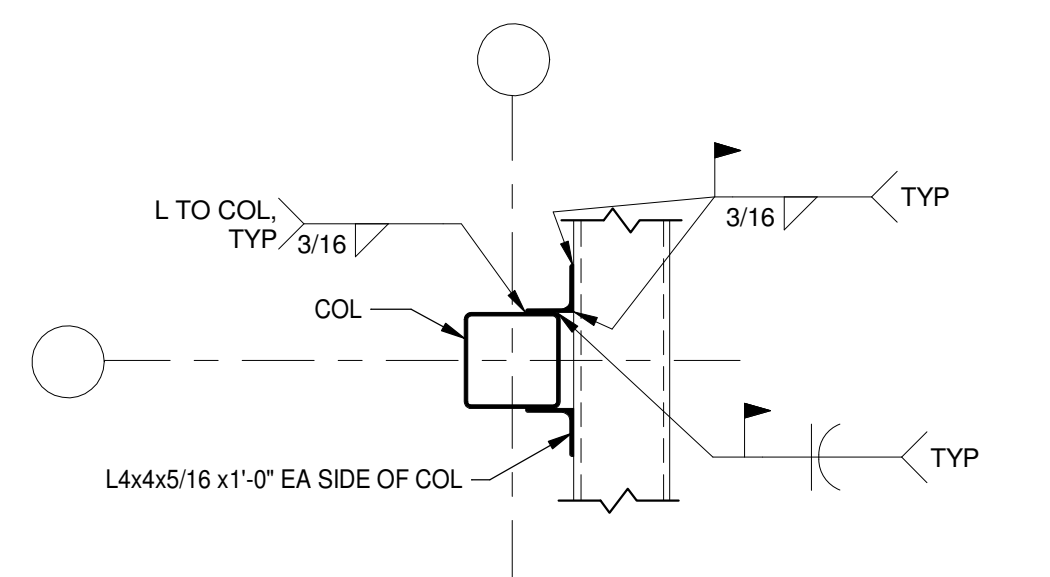
11 TYPICAL MOMENT CONN (W-BEAM TO TOP OF HSS COL)
S4.0.3 1" = 1'-0"



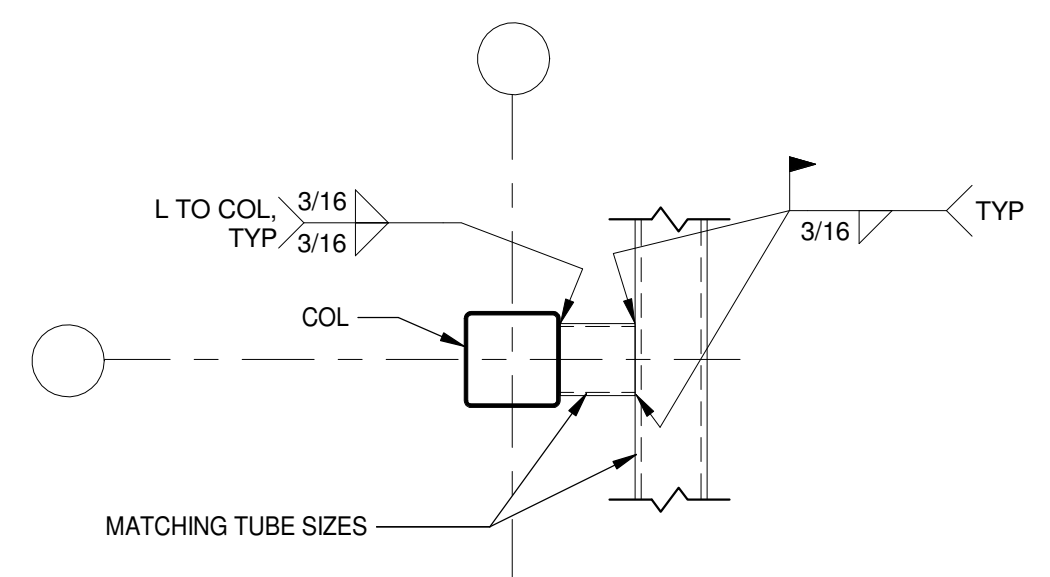
12 TYPICAL MOMENT CONN (W-BEAM TO HSS COL)
S4.0.3 1" = 1'-0"



TYPICAL MOMENT CONN (W-BEAM TO W-COL WEB)
1" = 1'-0"

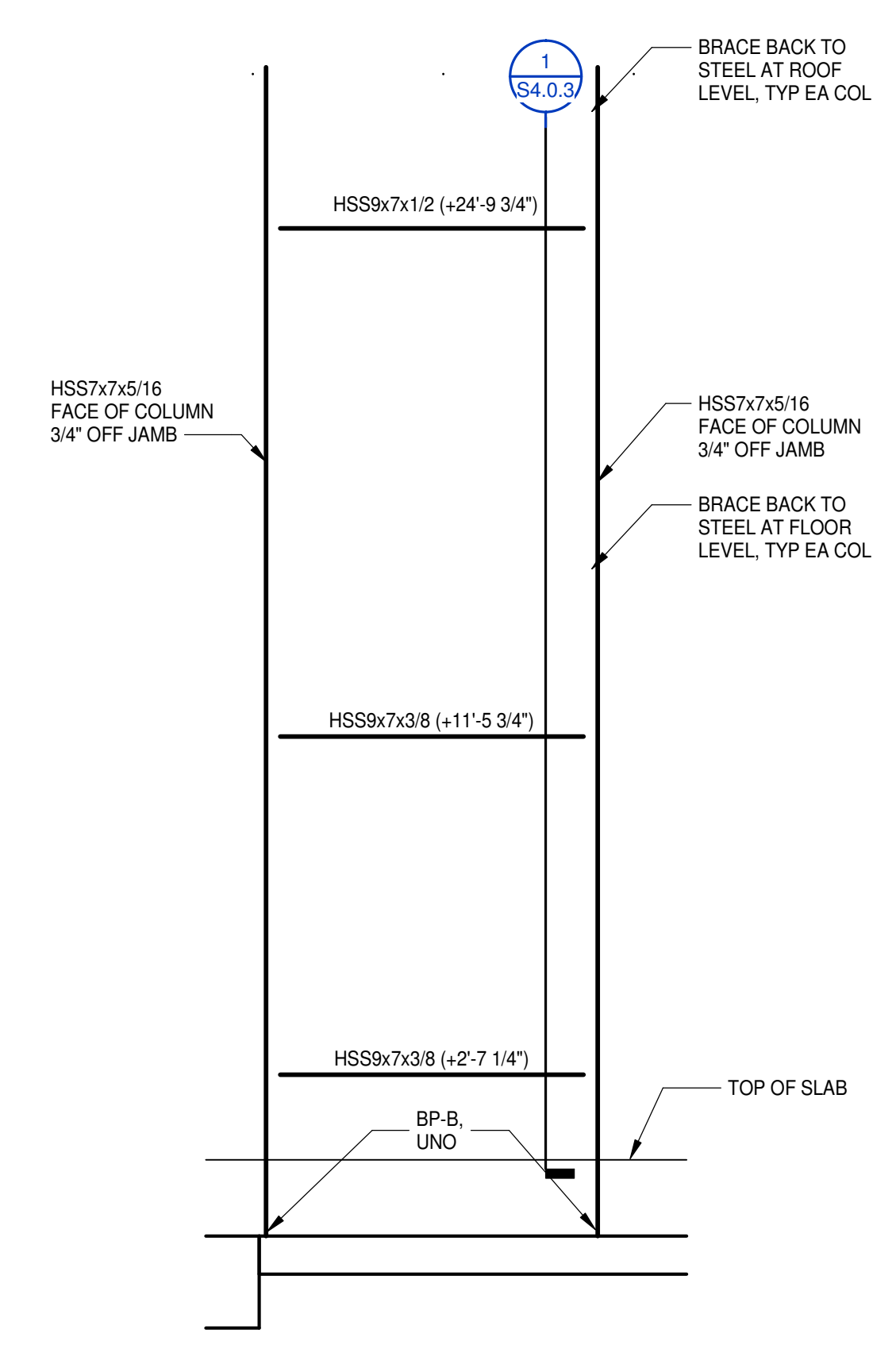


TYPICAL MOMENT CONN (W-BEAM TO W-COL FLANGE)
1" = 1'-0"

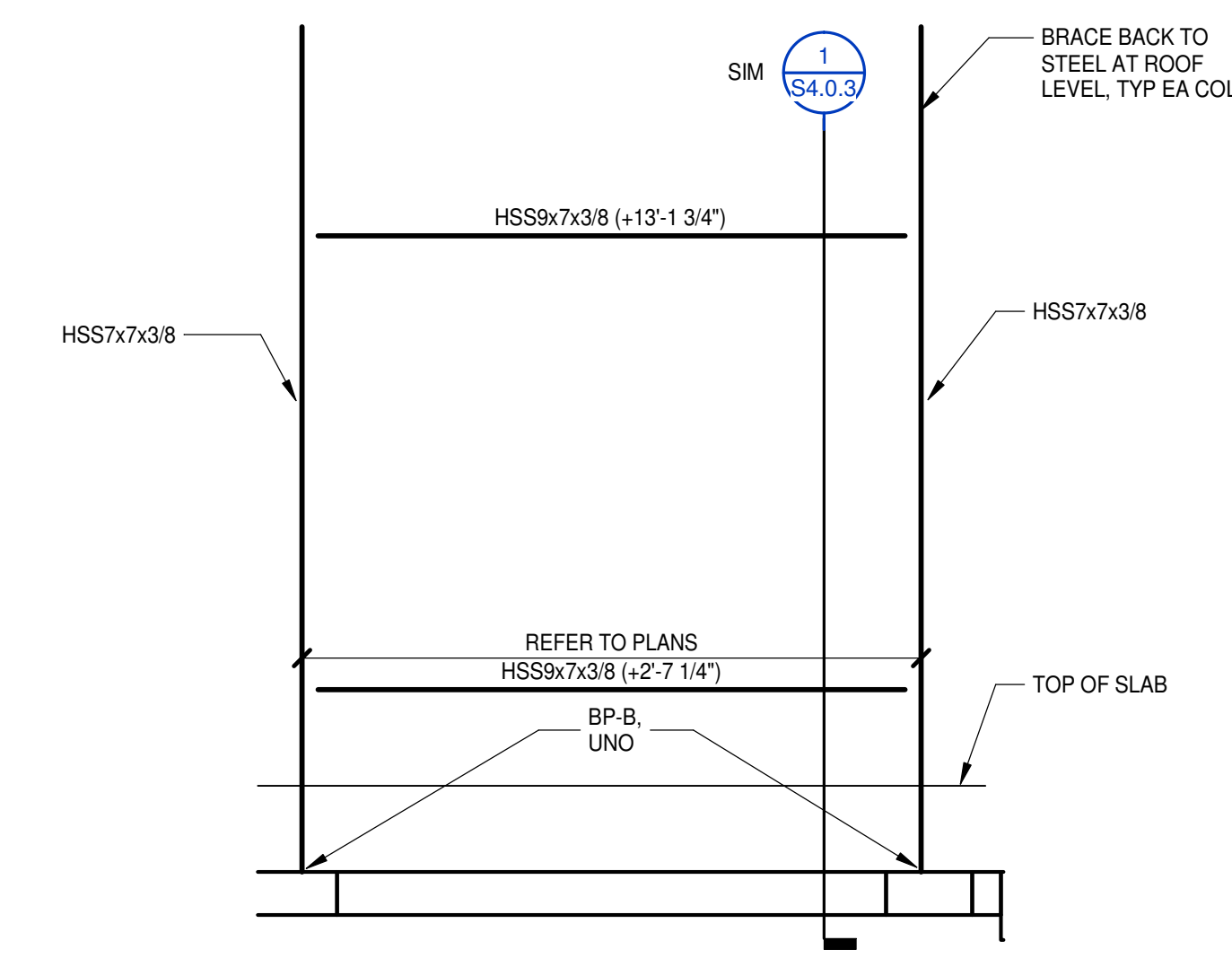


13 TYPICAL MOMENT CONN (HSS-BEAM TO TOP OF HSS COL)
S4.0.3 1" = 1'-0"

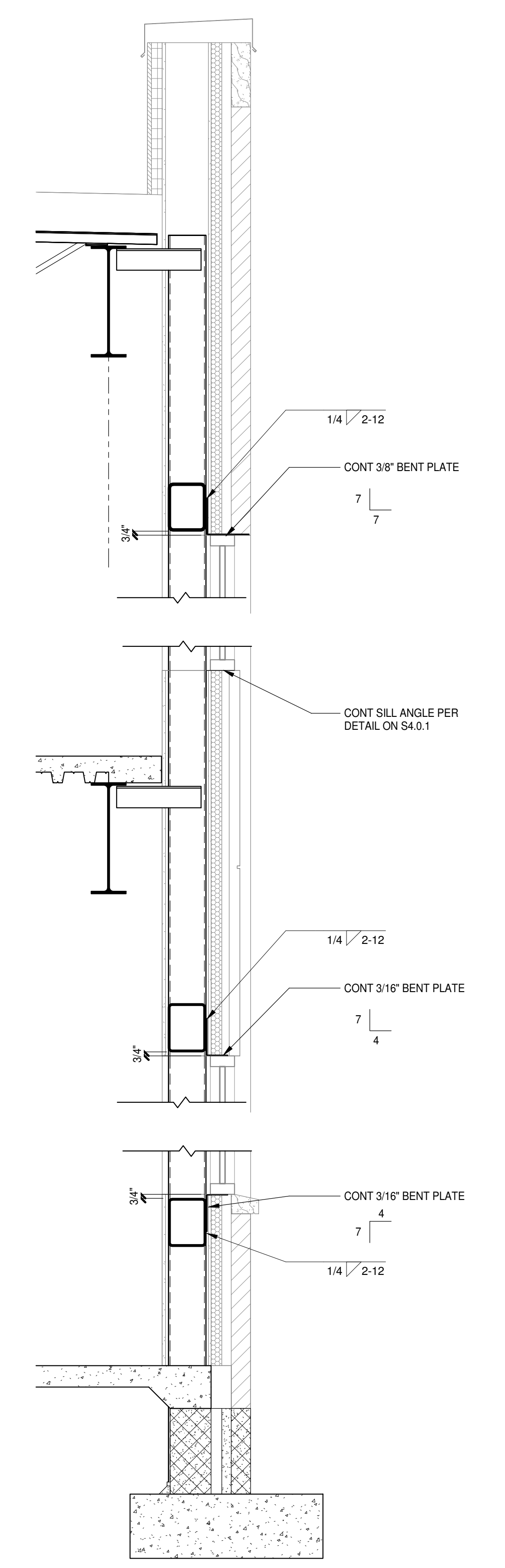
OFFSET TUBE CONNECTION AT COLUMN
3/4" = 1'-0"



FRAME A
1/4" = 1'-0"

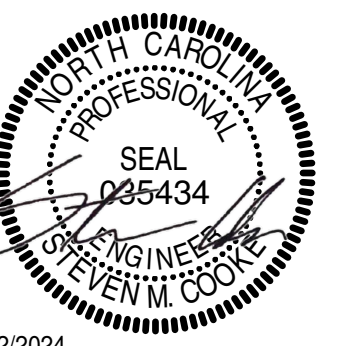


FRAME B
1/4" = 1'-0"

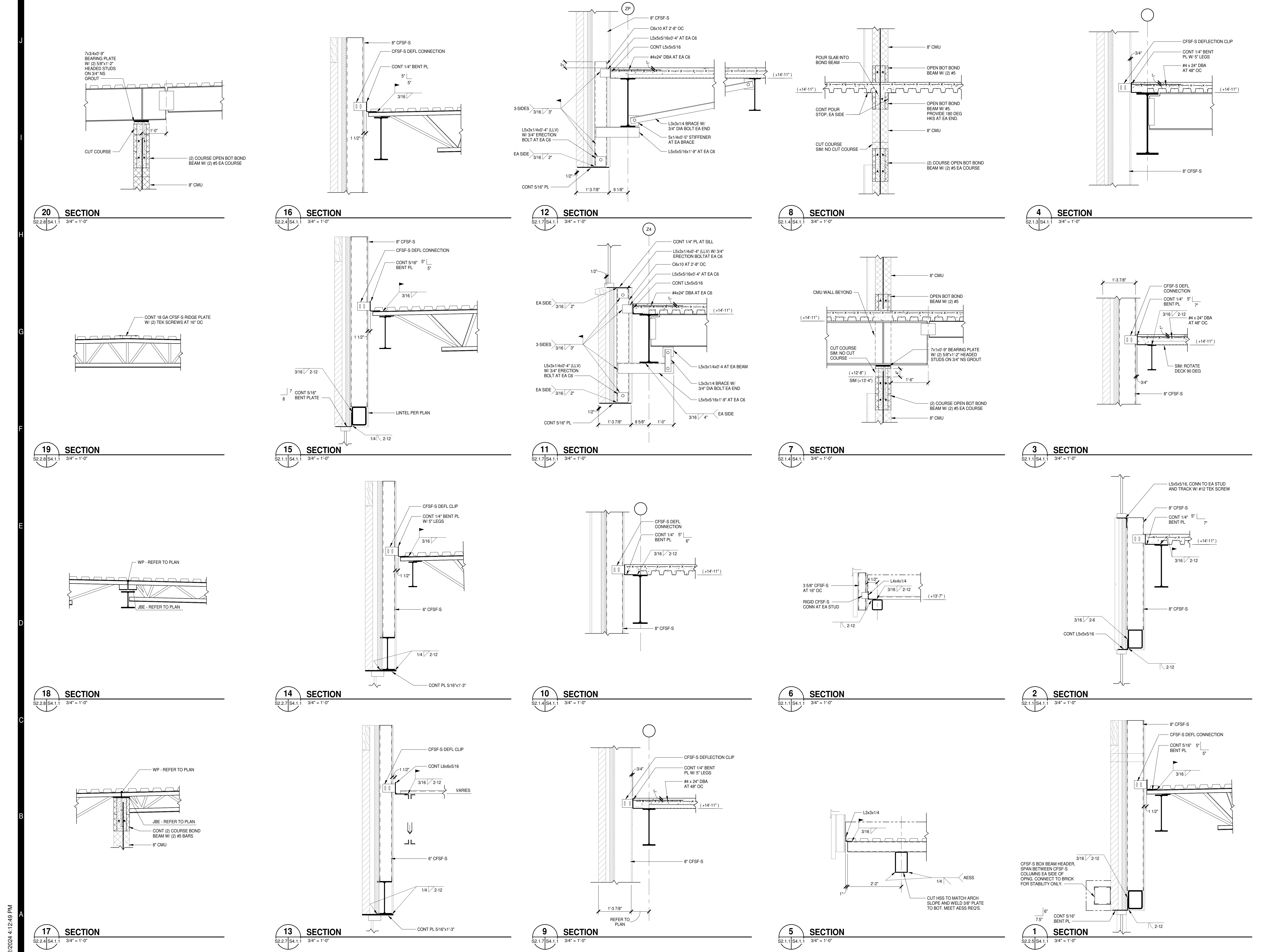


1 SECTION
S4.0.3/S4.0.3 3/4" = 1'-0"

STEEL DECK SCHEDULE		
DECK TYPE 1	1 1/2" - 20 GAGE WIDE RIB ROOF DECK, GALVANIZED	FASTEN TO ALL SUPPORTS WITH POWDER ACTUATED FASTENERS AT 36/7" AT THE PERIMETER AND 36/7" PATTERN IN THE FIELD, AND AT 6" OC AT ALL EDGES AND END LAPS. FASTEN SIDELAPS WITH #10 TEK SCREWS AT MID-SPAN AND NOT GREATER THAN 6" OC. (SEISMIC -769 PLF AND WIND = 771 PLF)
DECK TYPE 2	3" - 20/20 GAGE CELLULAR ACOUSTIC ROOF DECK, GALVANIZED AND SHOP PRIMED	FASTEN TO ALL SUPPORTS WITH 5/8" DIAMETER PUDDLE WELDS AT 24/4 PATTERN, AND AT 6" OC AT ALL EDGES. FASTEN SIDELAPS BY WELDING OR WITH #10 TEK SCREWS AT NOT GREATER THAN 12" OC.
DECK TYPE 3	2" - 18 GAGE COMPOSITE FLOOR DECK, GALVANIZED	FASTEN TO ALL SUPPORTS AND EDGES WITH 5/8" DIAMETER PUDDLE WELDS AT 12" OC. FASTEN SIDELAPS WITH #10 TEK SCREWS AT 24" OC.



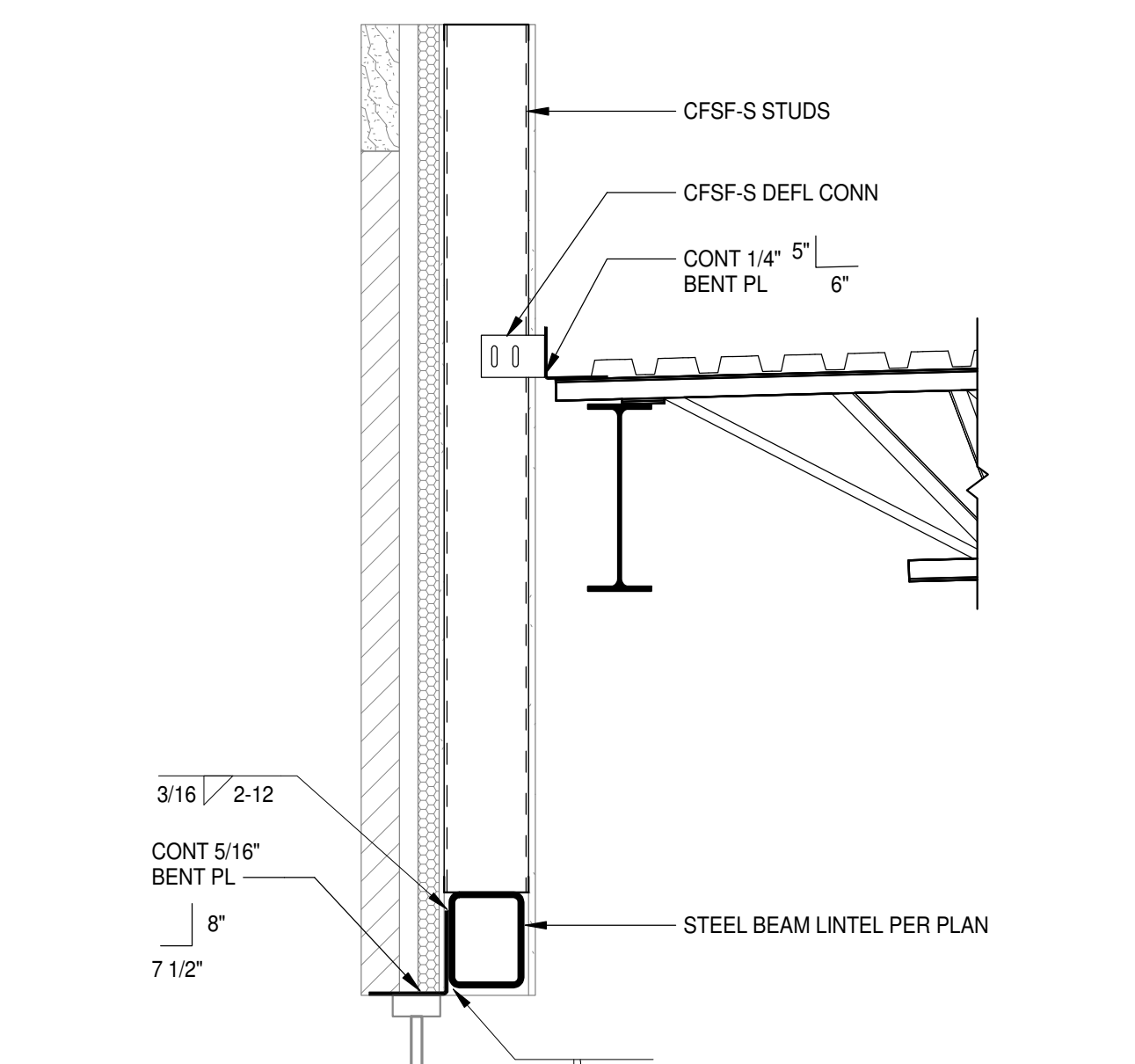
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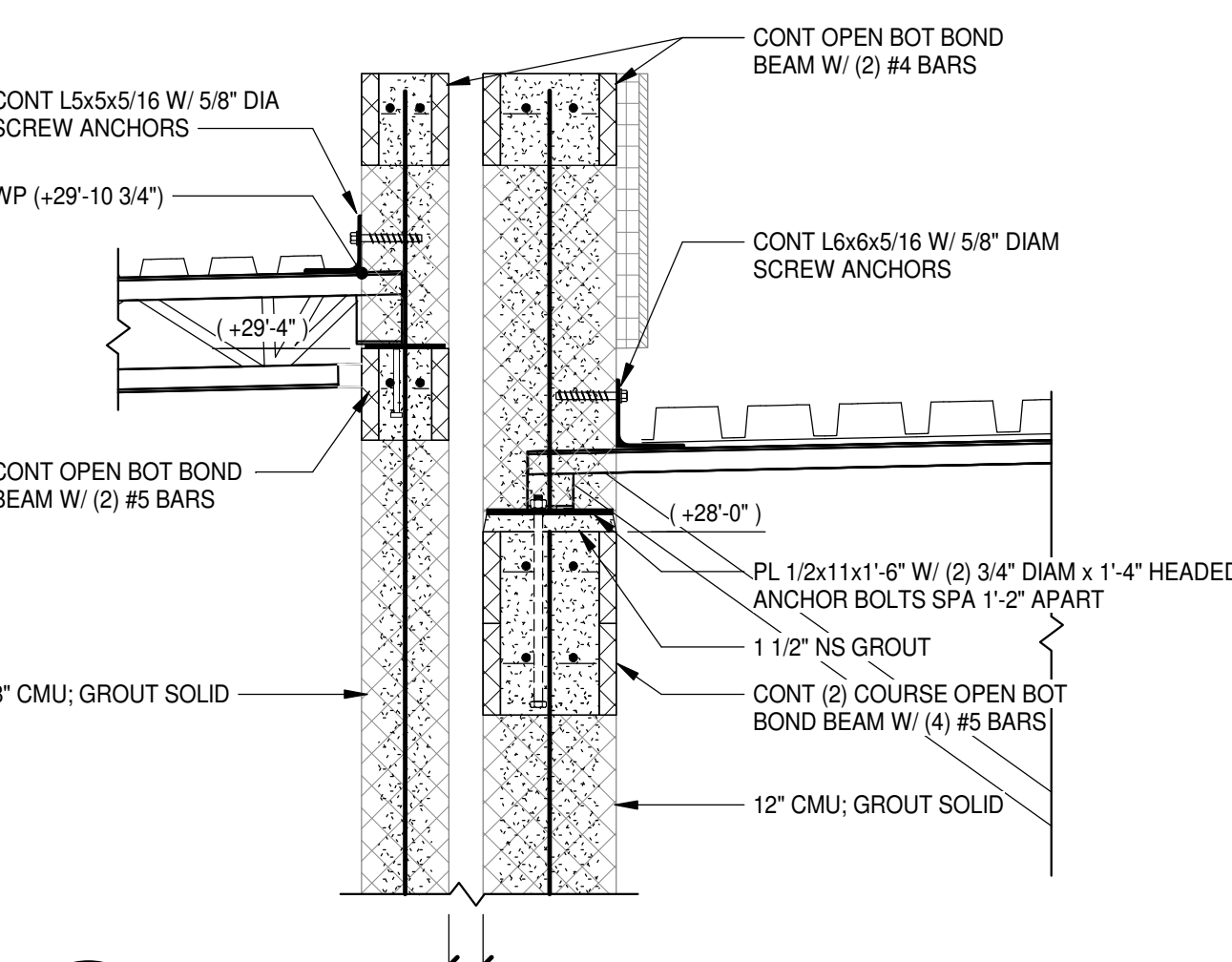
8/2/2024 4:12:49 PM

8/2/2024 4:12:56 PM

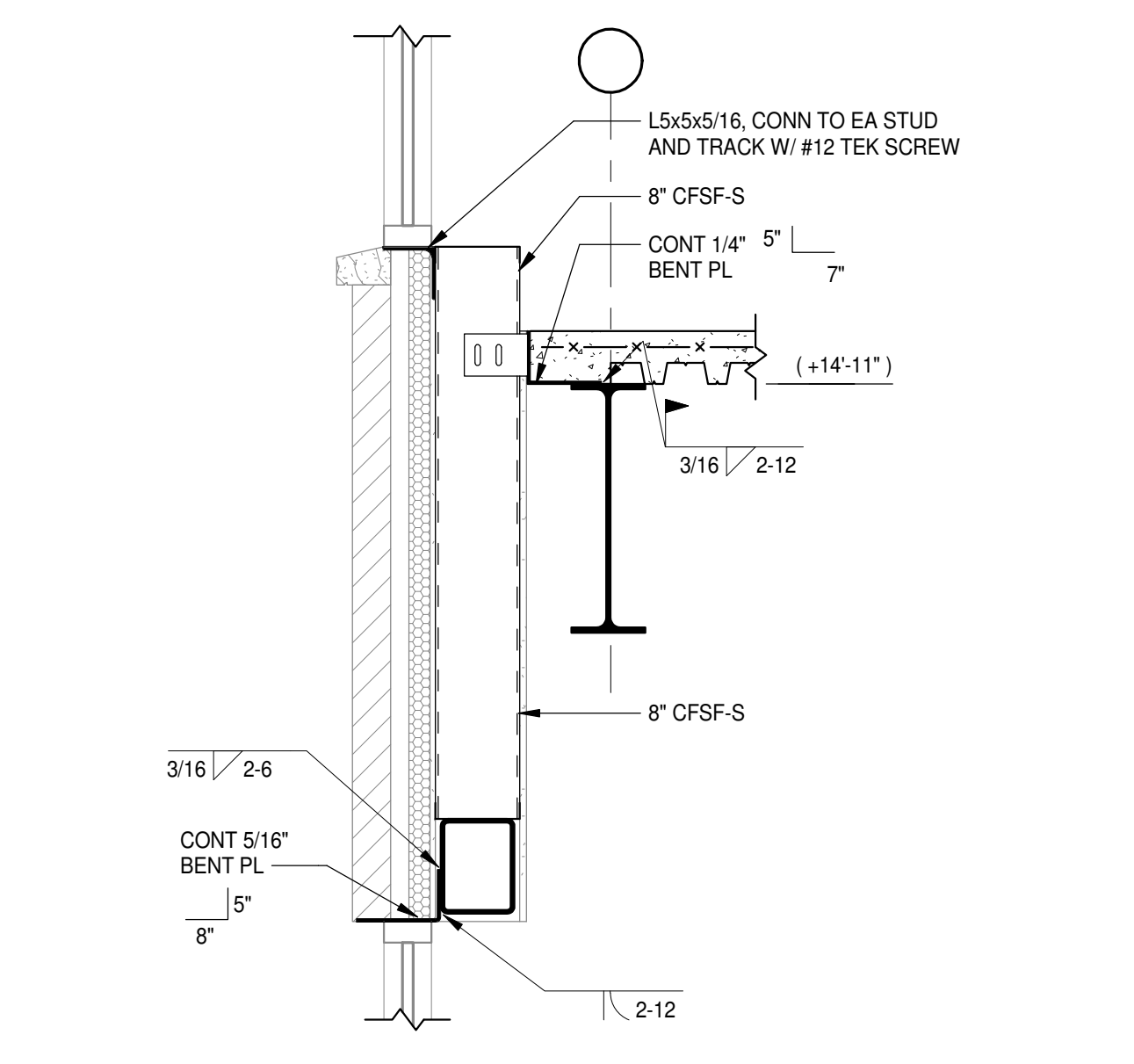
17 SECTION
S2.2.1|S4.1.2 3/4" = 1'-0"



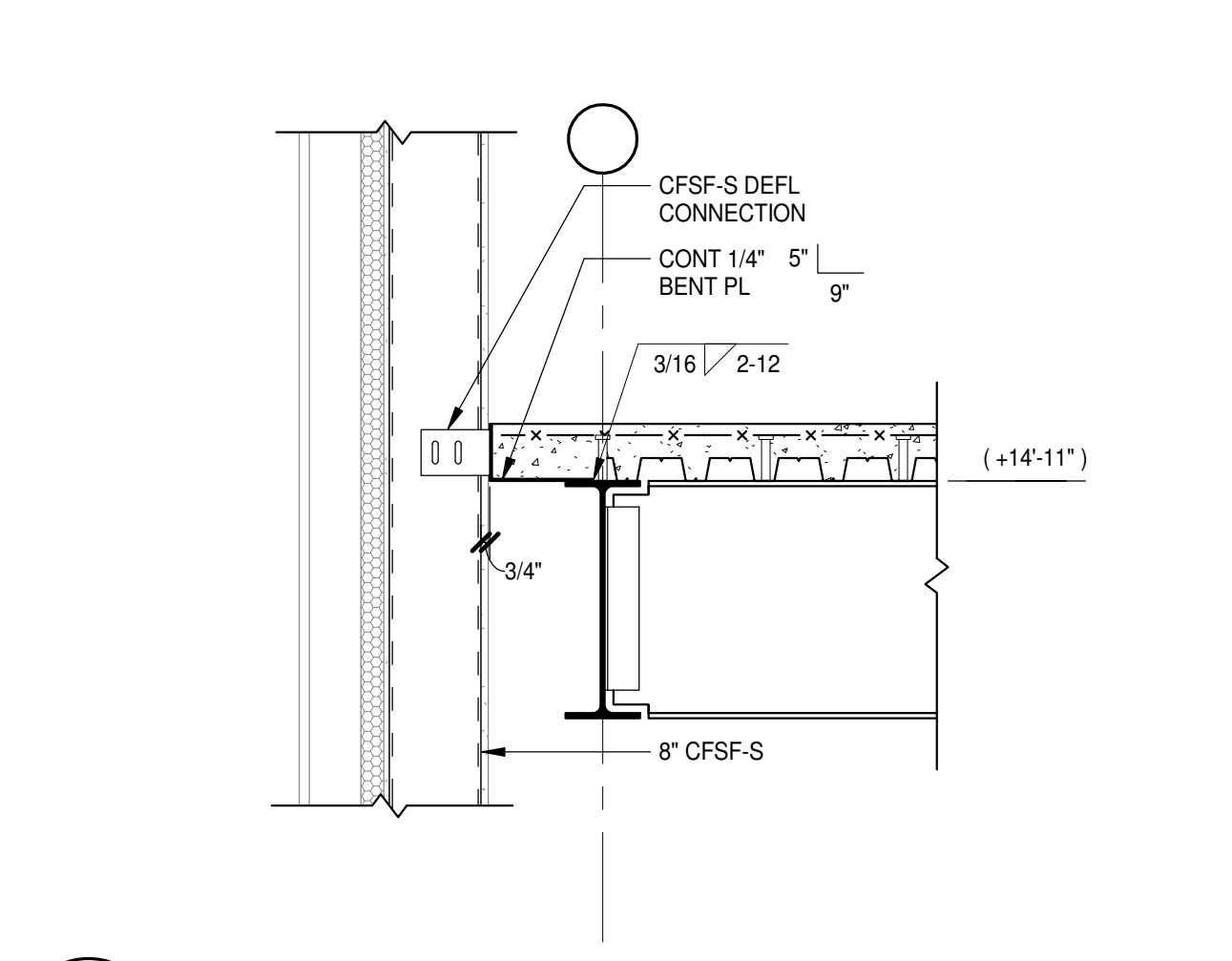
18 SECTION
S2.2.1|S4.1.2 3/4" = 1'-0"



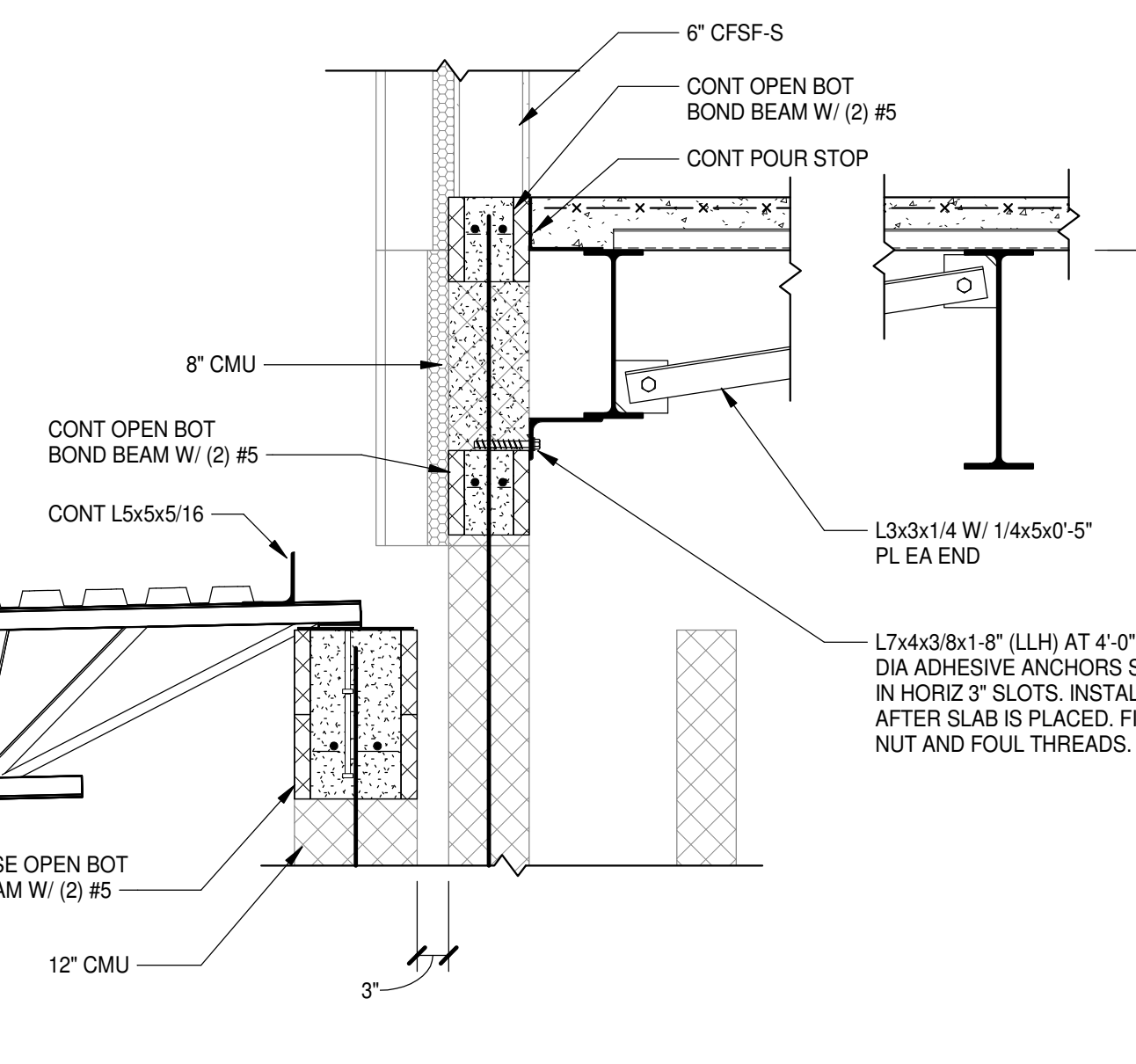
19 SECTION
S2.1.4|S4.1.2 3/4" = 1'-0"



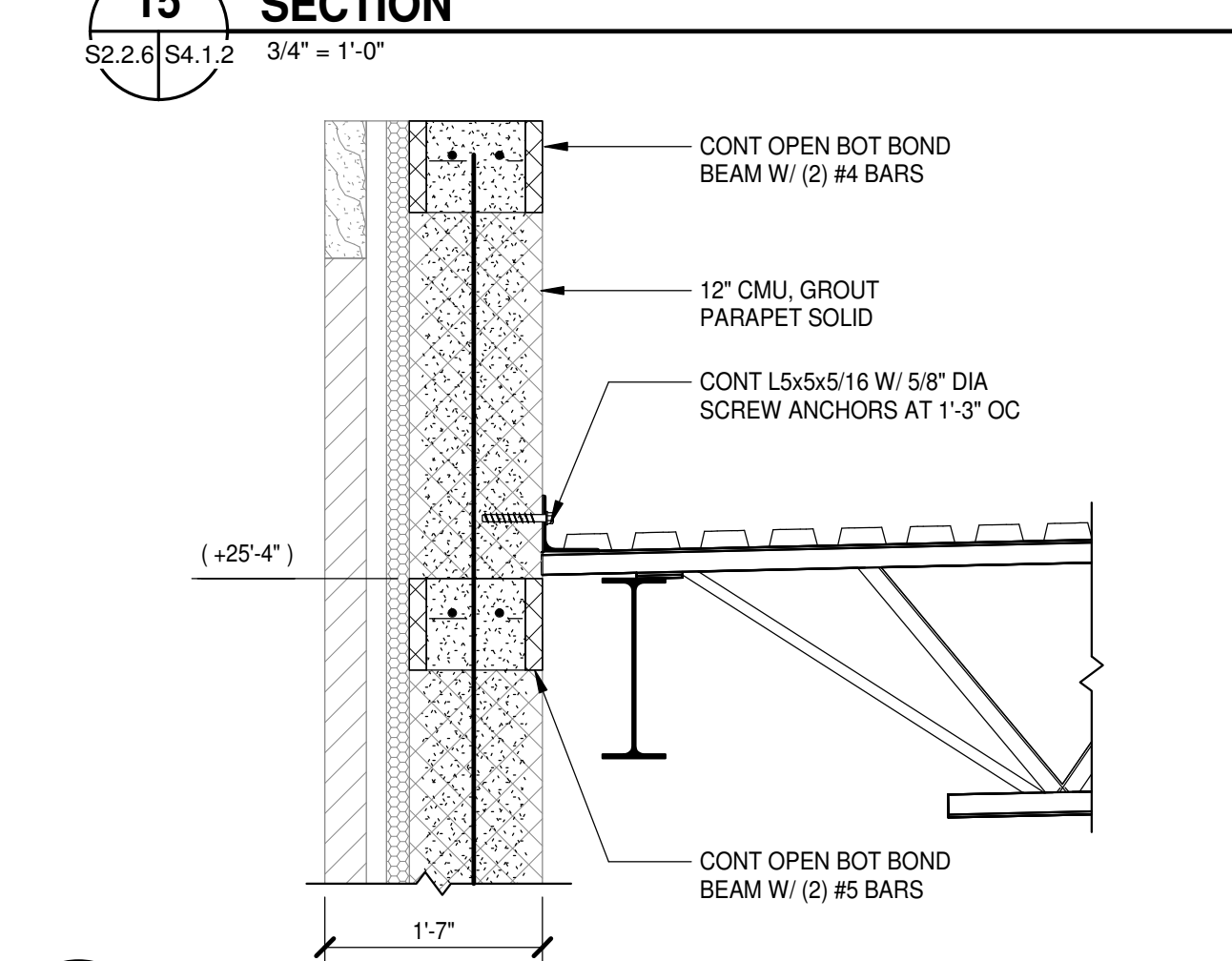
20 SECTION
S2.1.3|S4.1.2 3/4" = 1'-0"



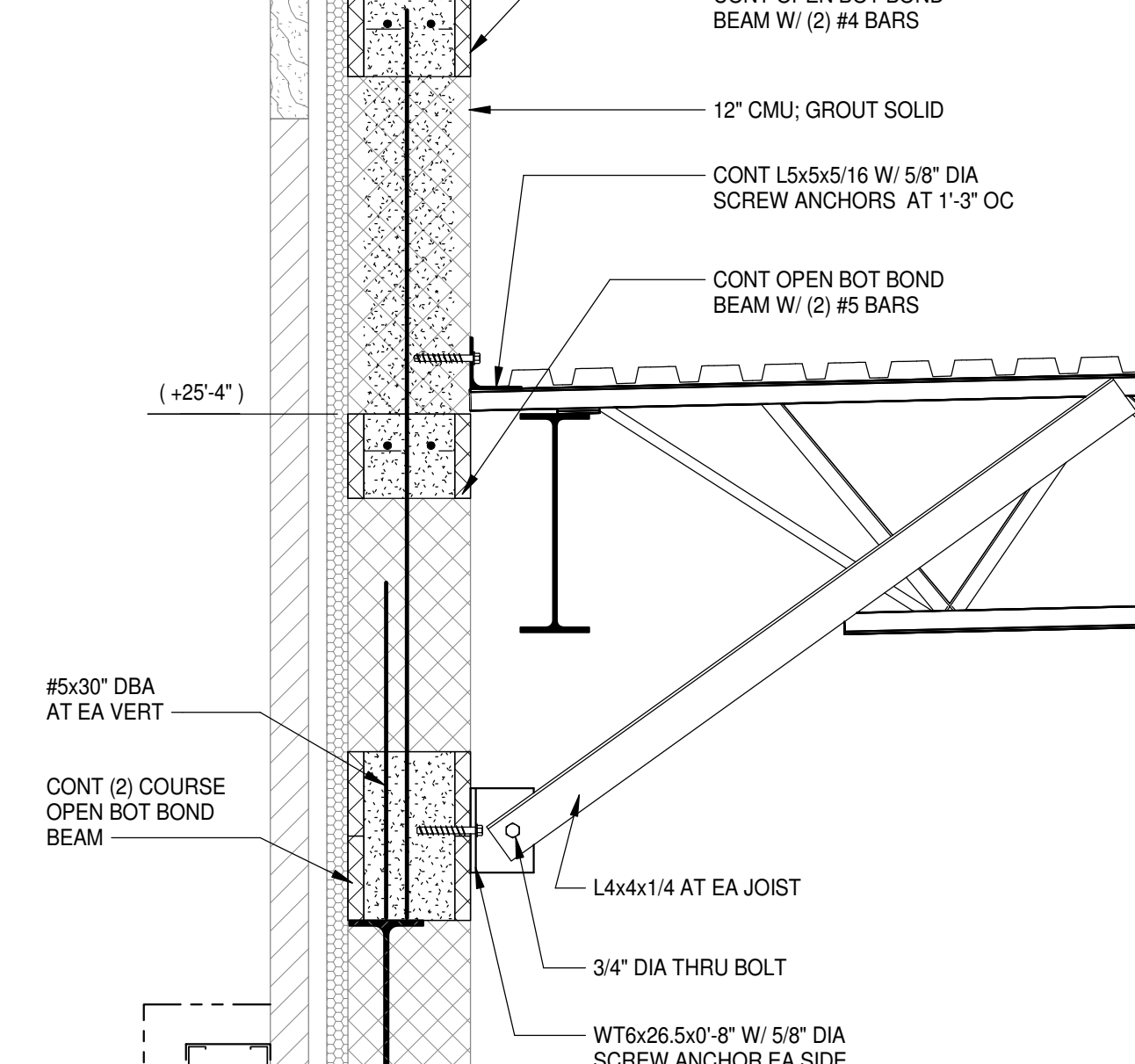
13 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



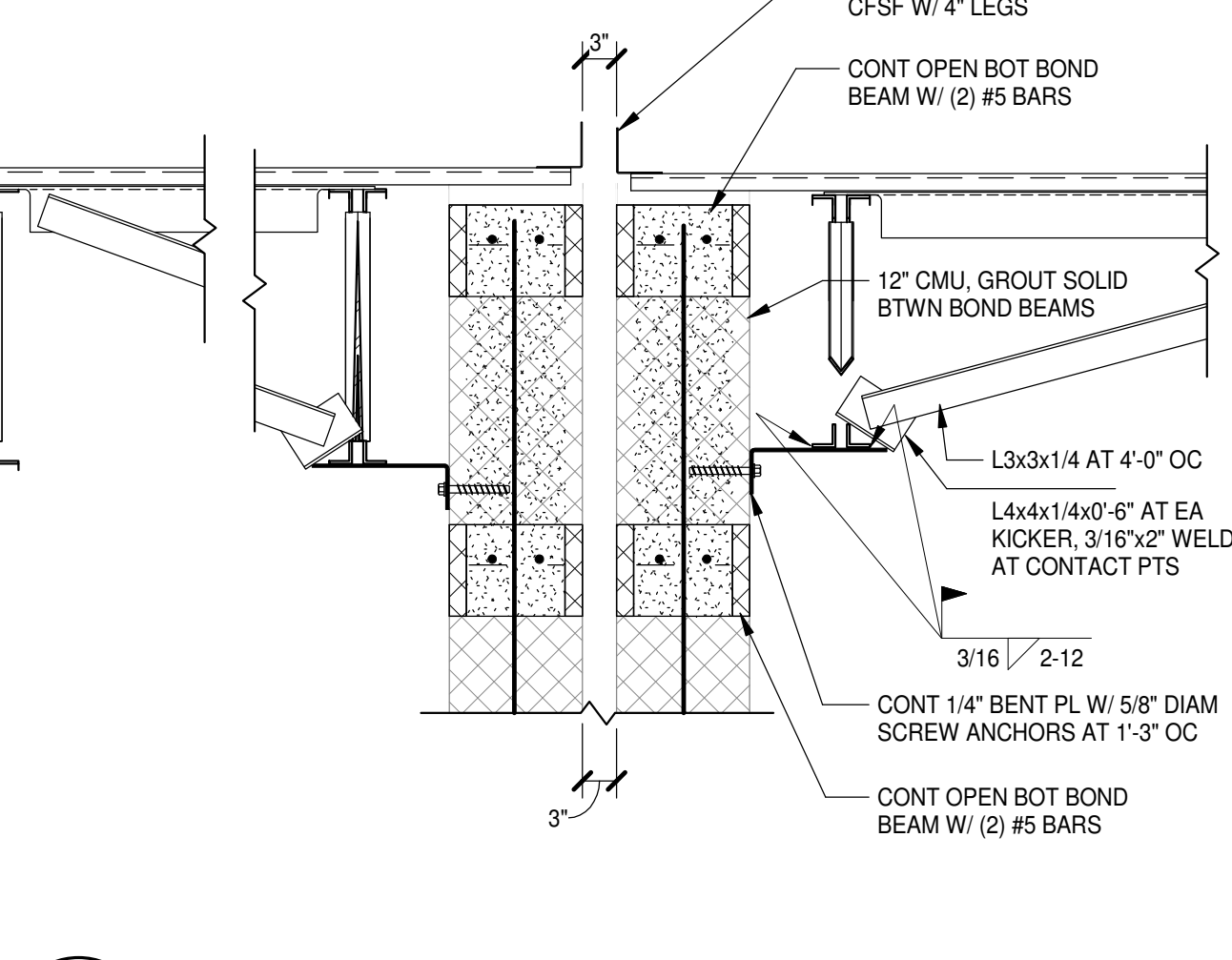
14 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



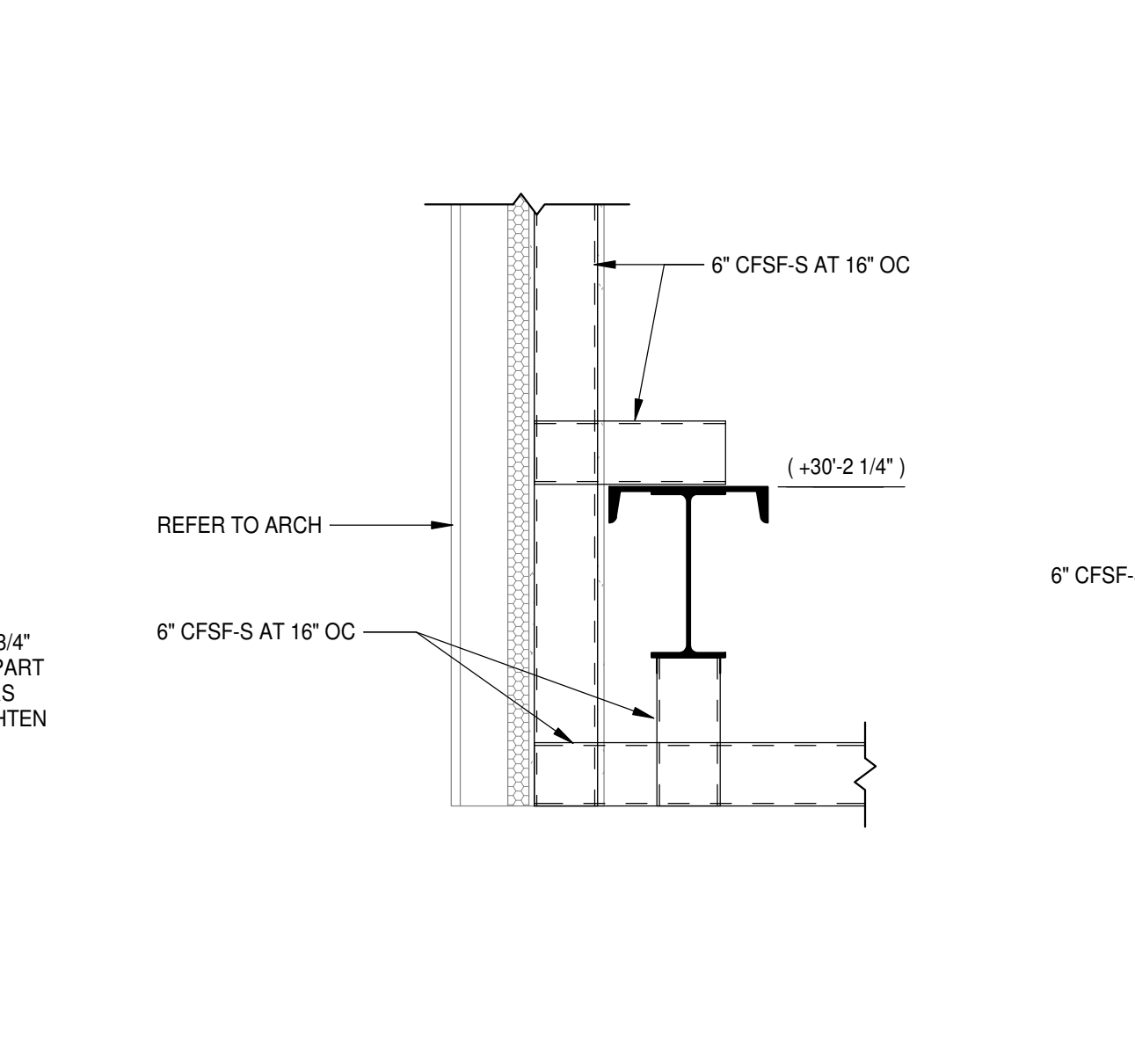
15 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



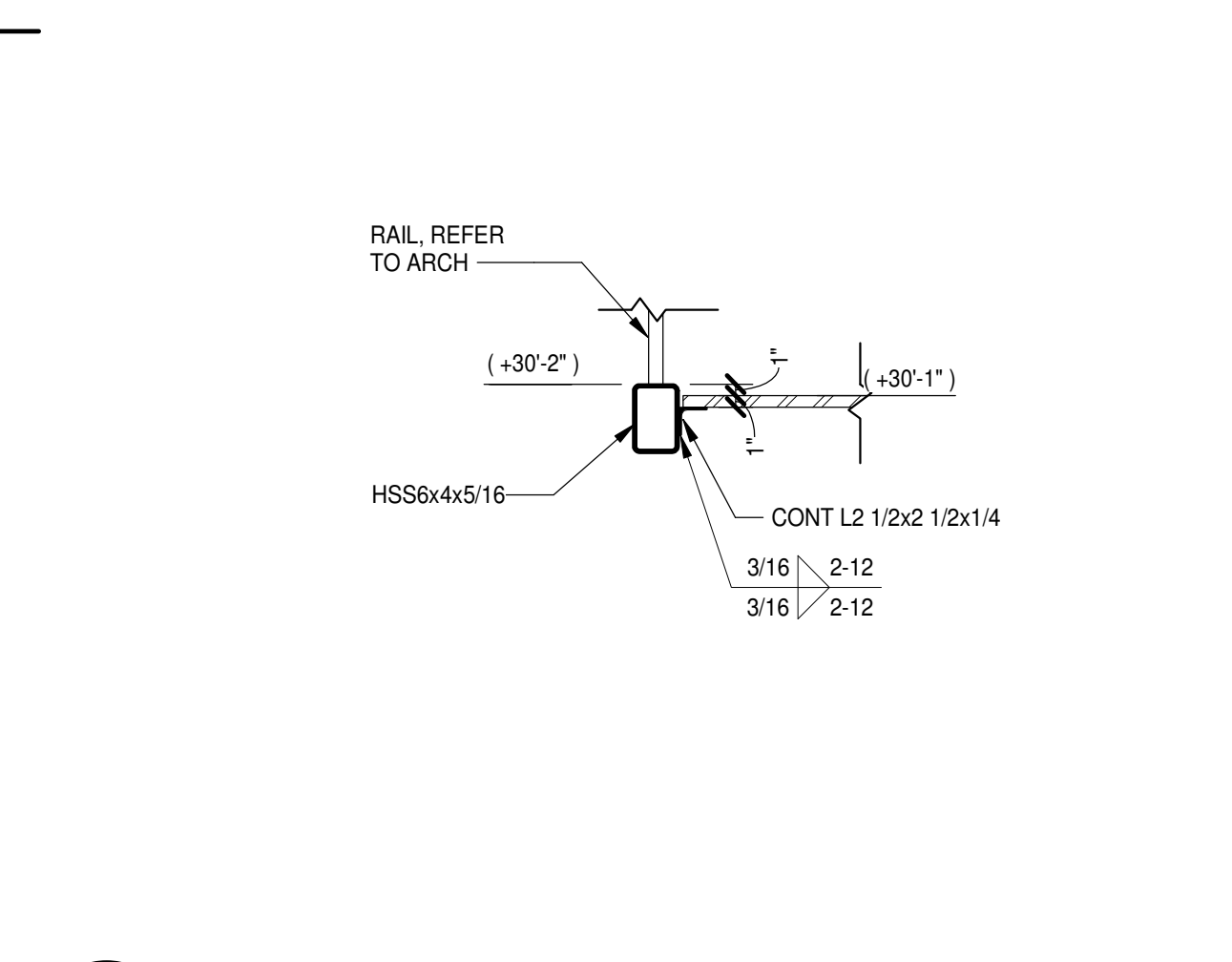
16 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



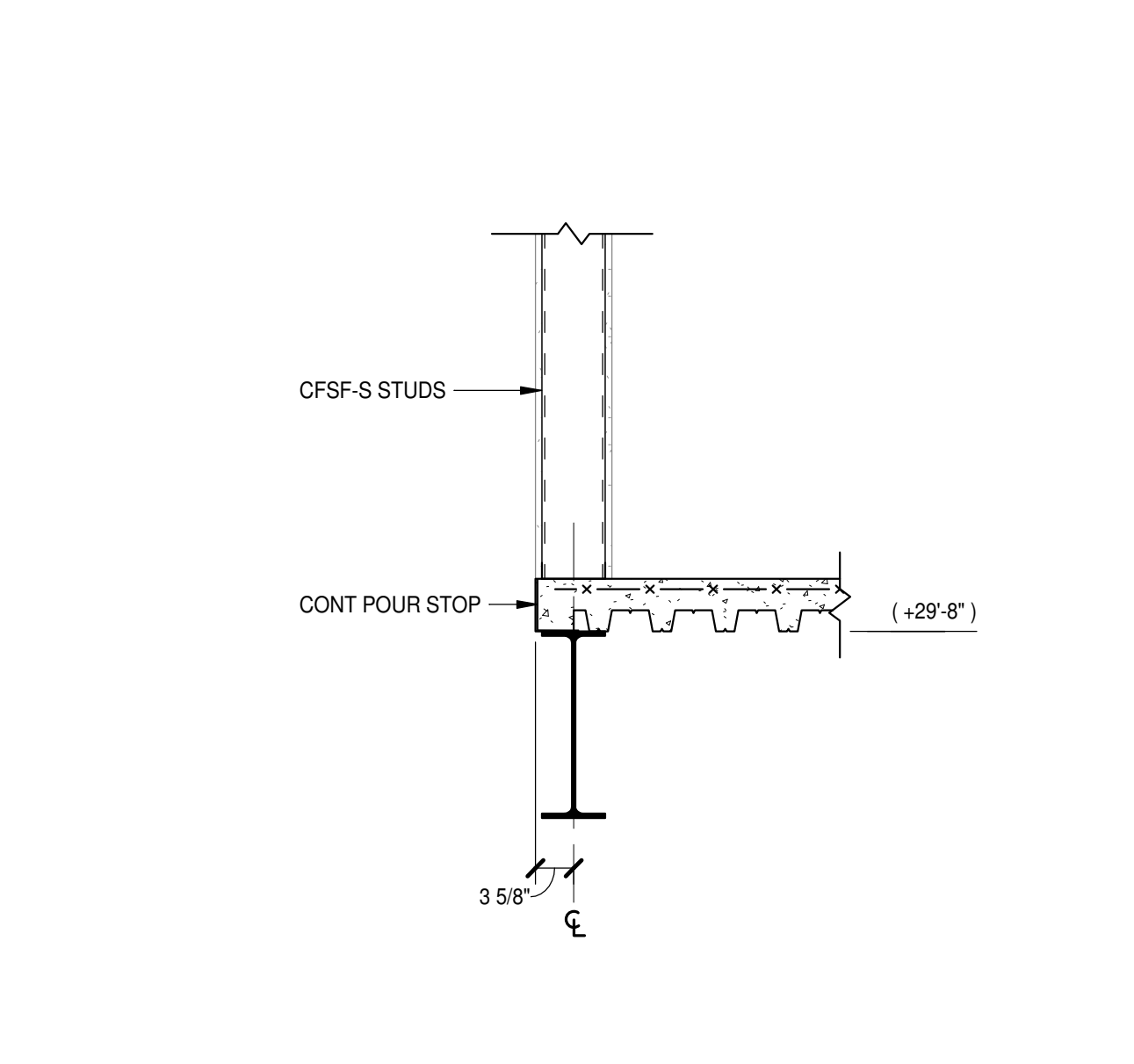
9 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



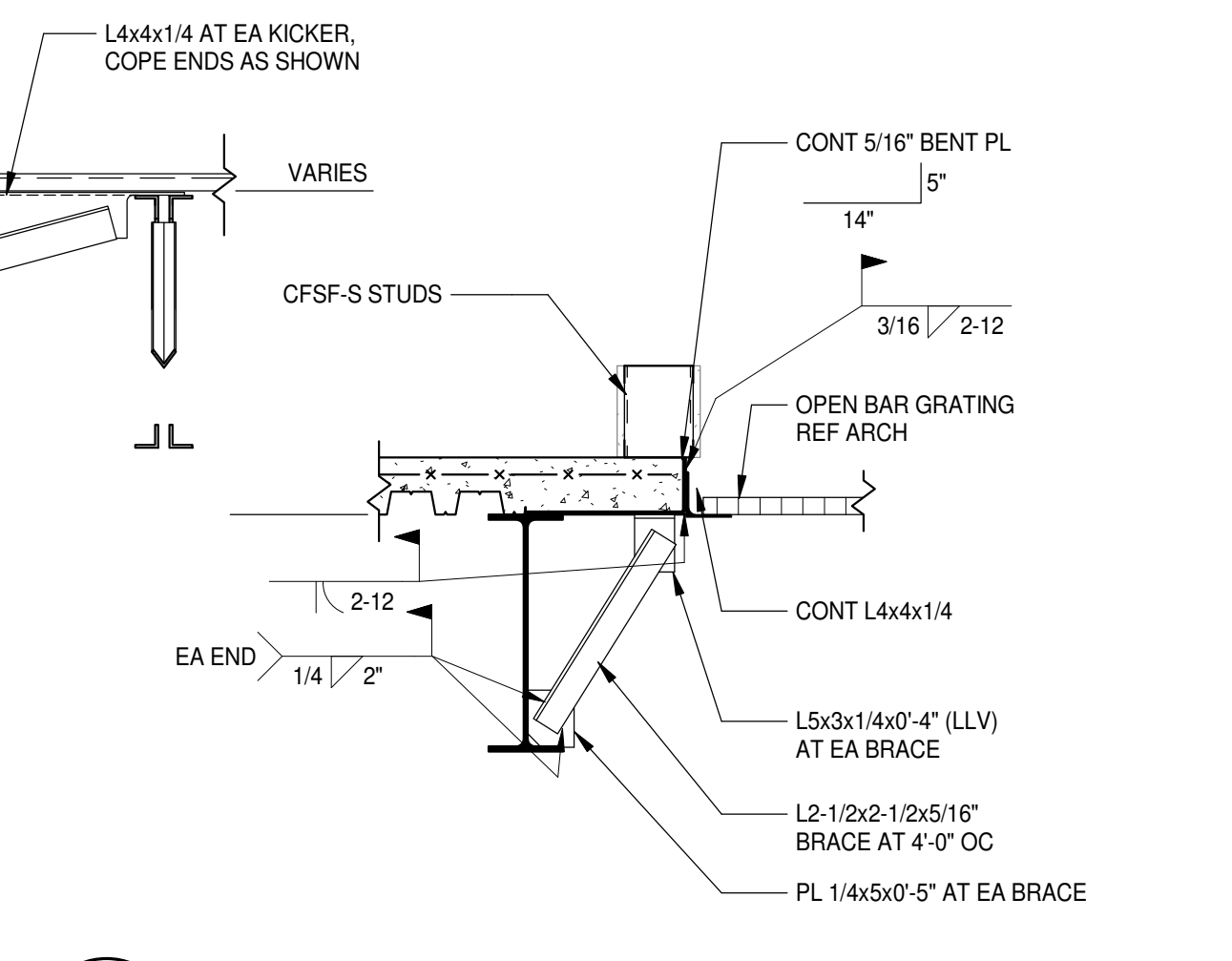
10 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



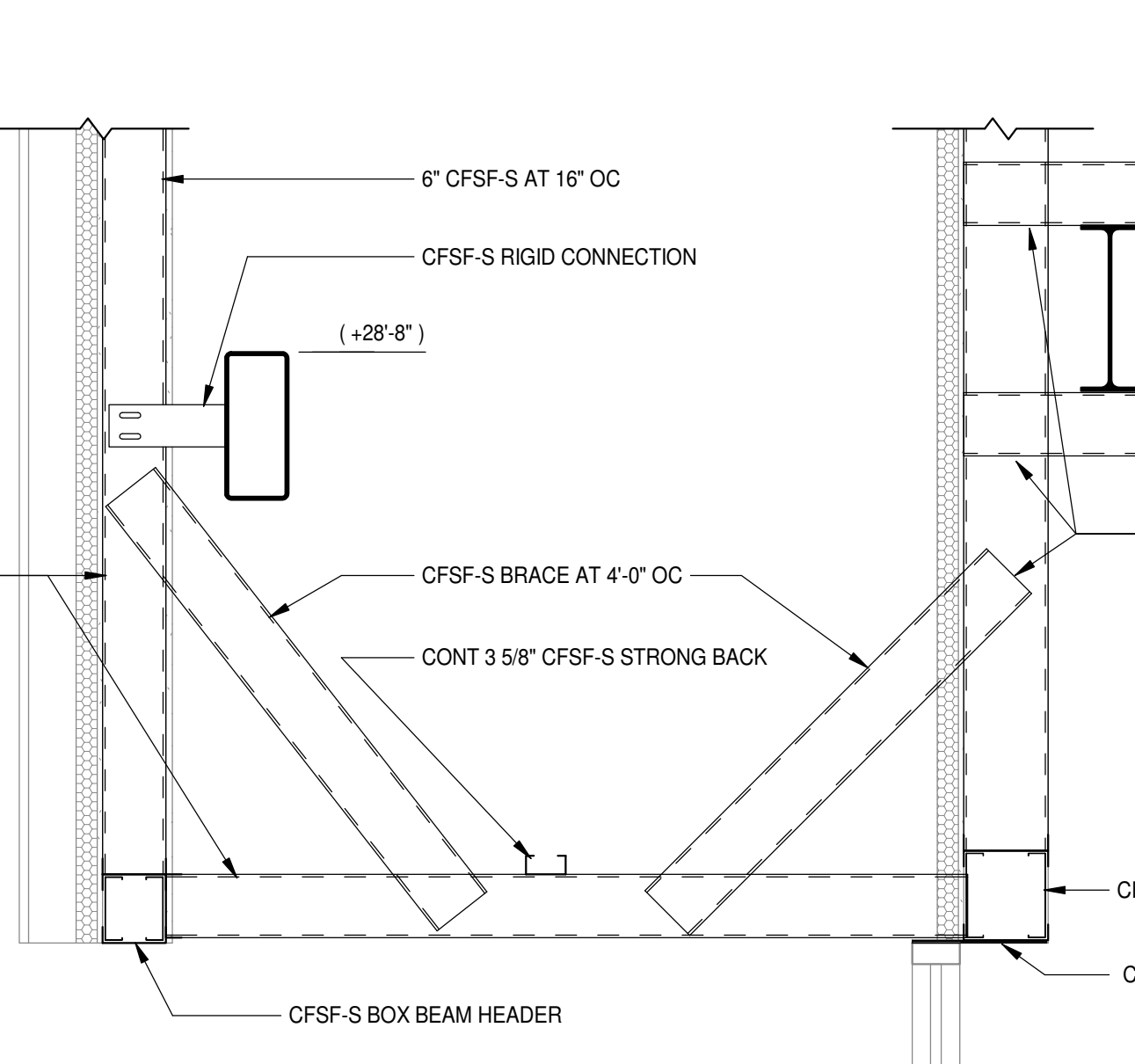
11 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



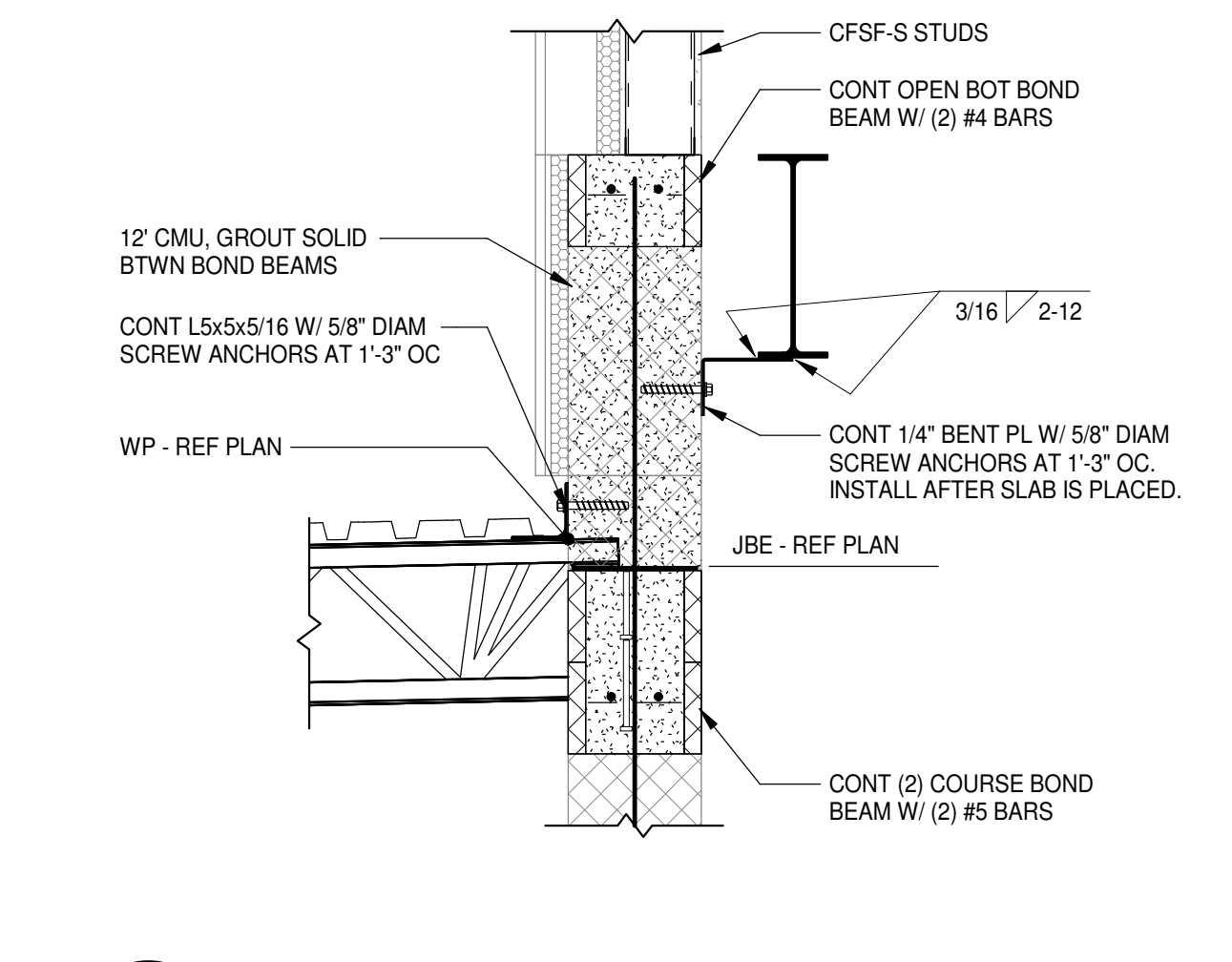
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S2.2.6|S4.1.2 3/4" = 1'-0"



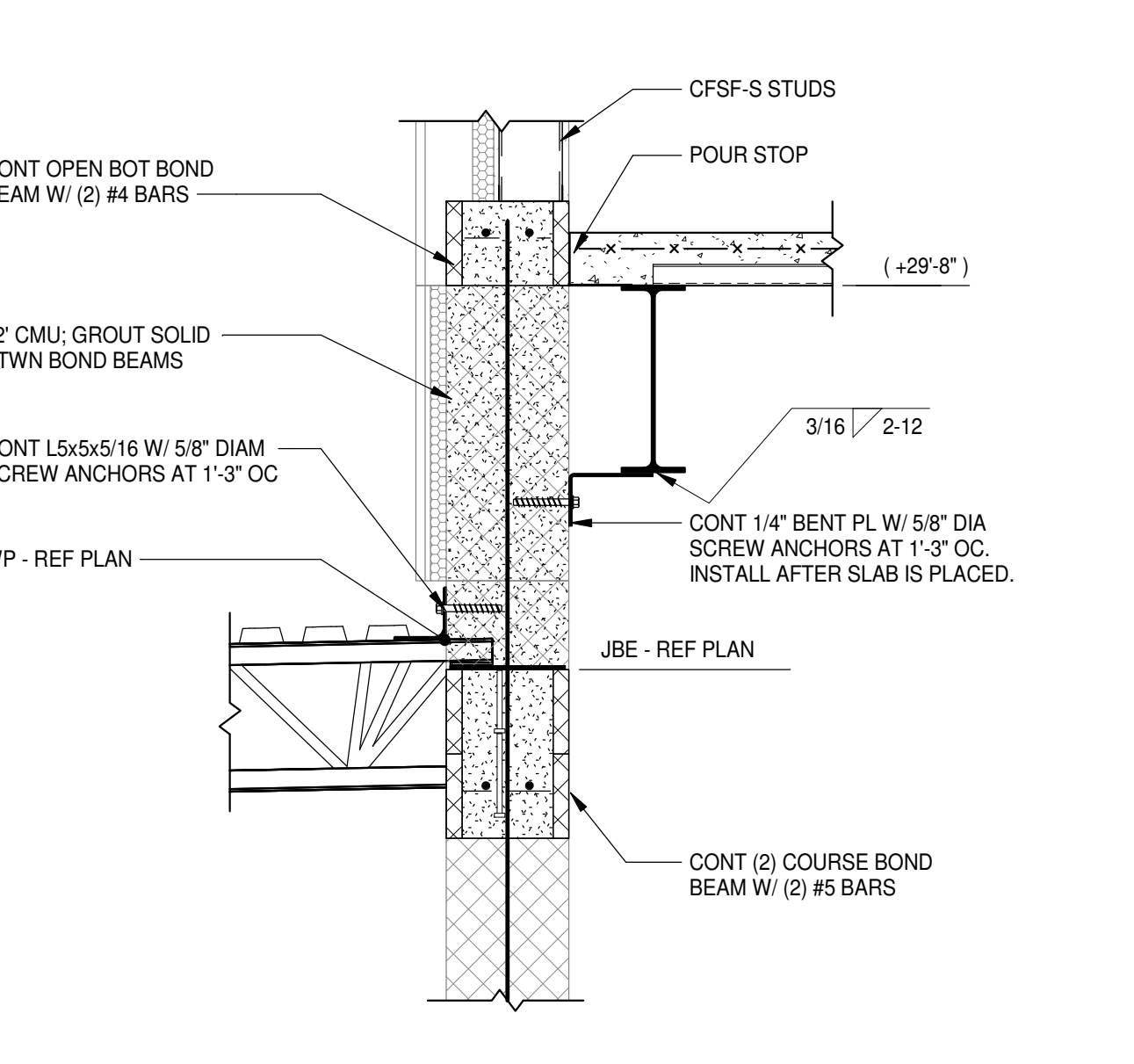
5 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



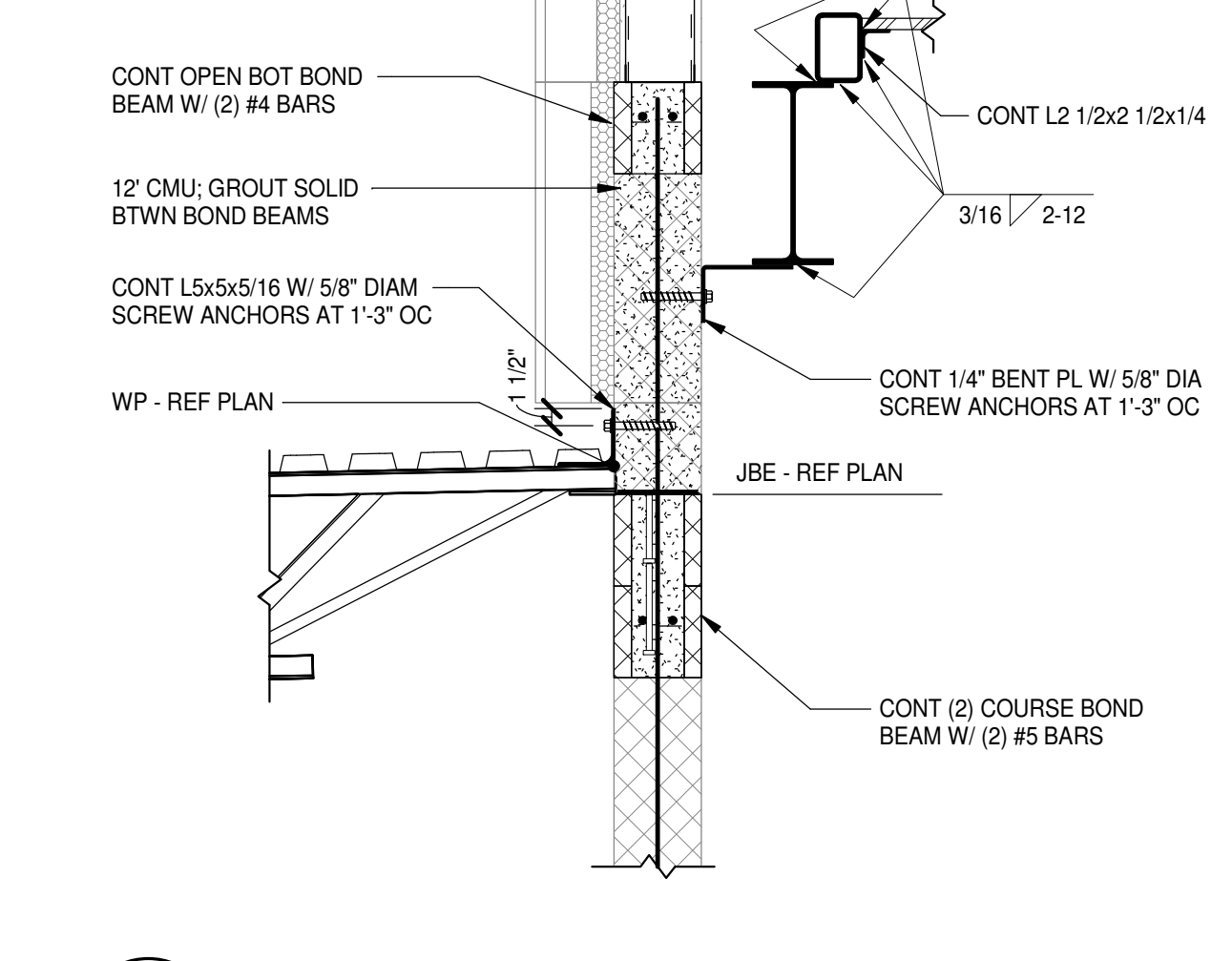
6 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



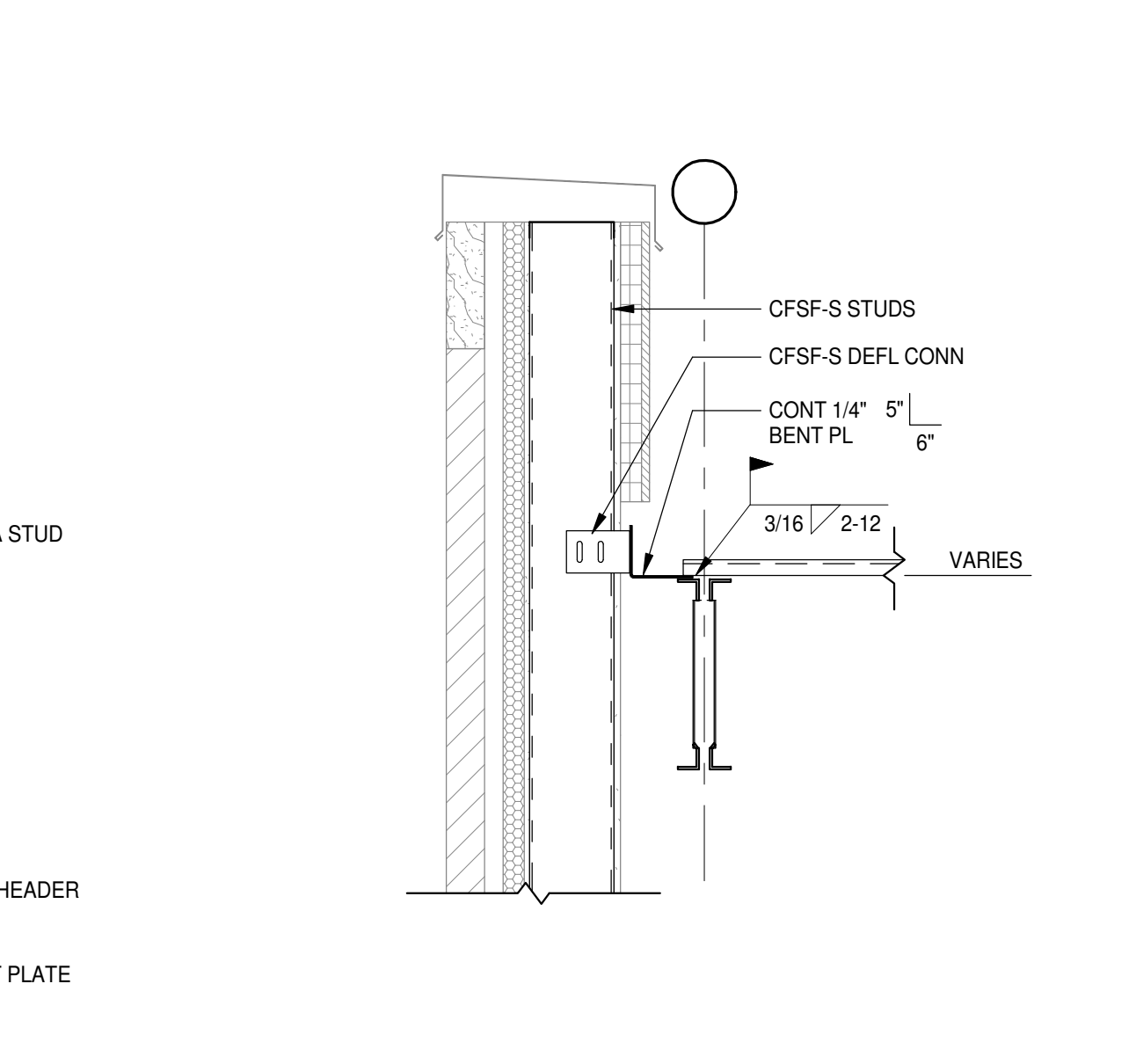
7 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



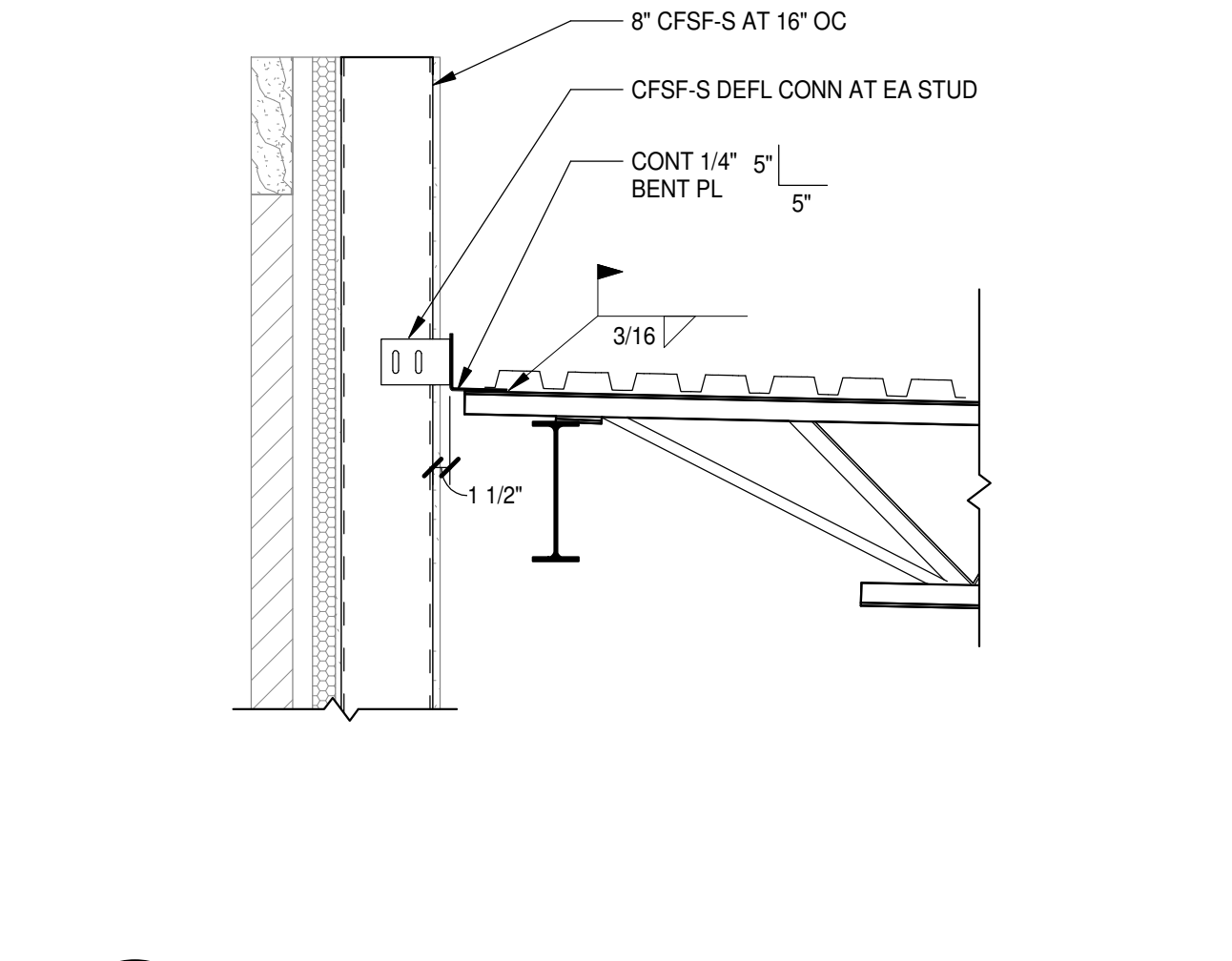
8 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



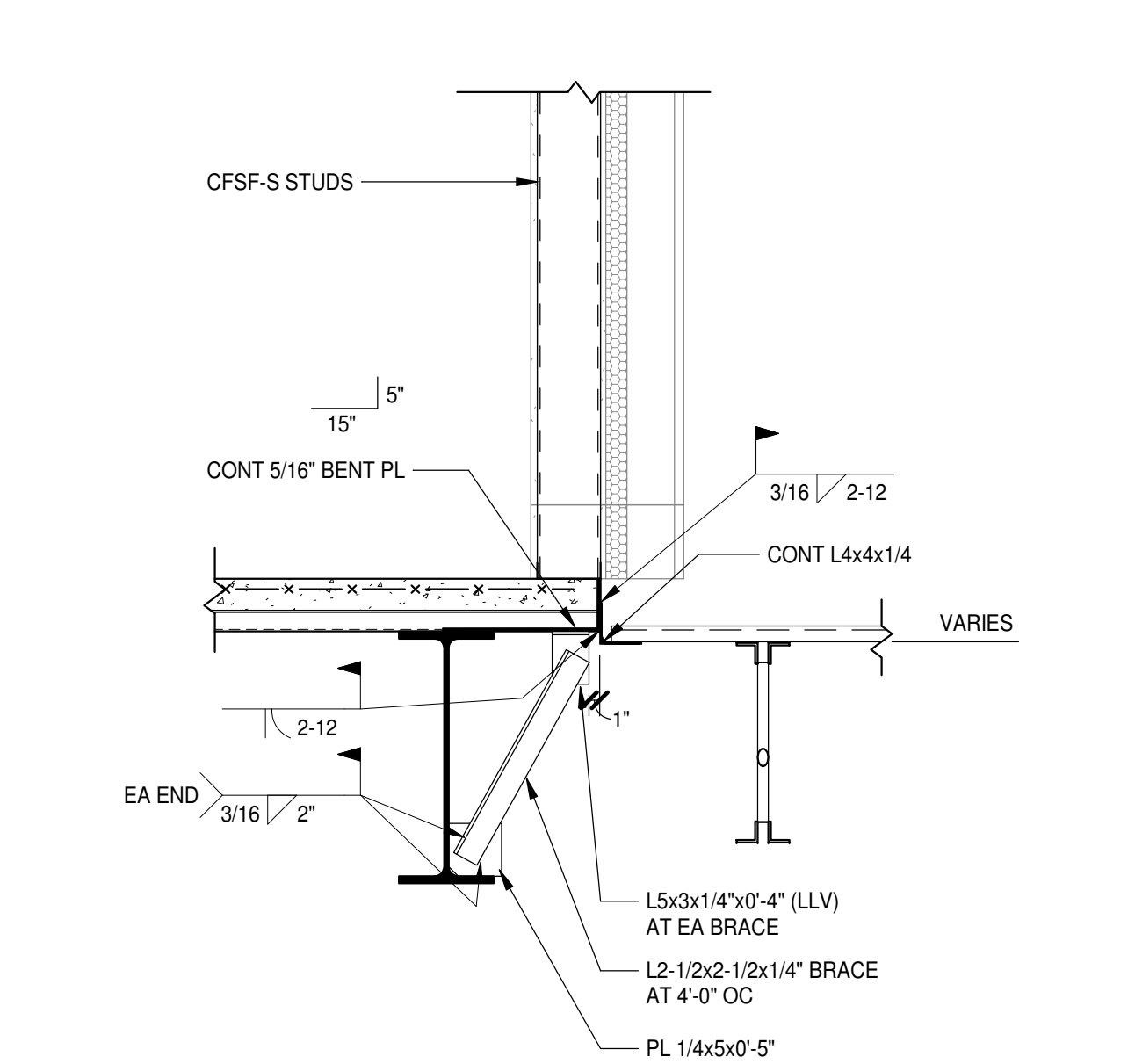
1 SECTION
S2.2.8|S4.1.2 3/4" = 1'-0"



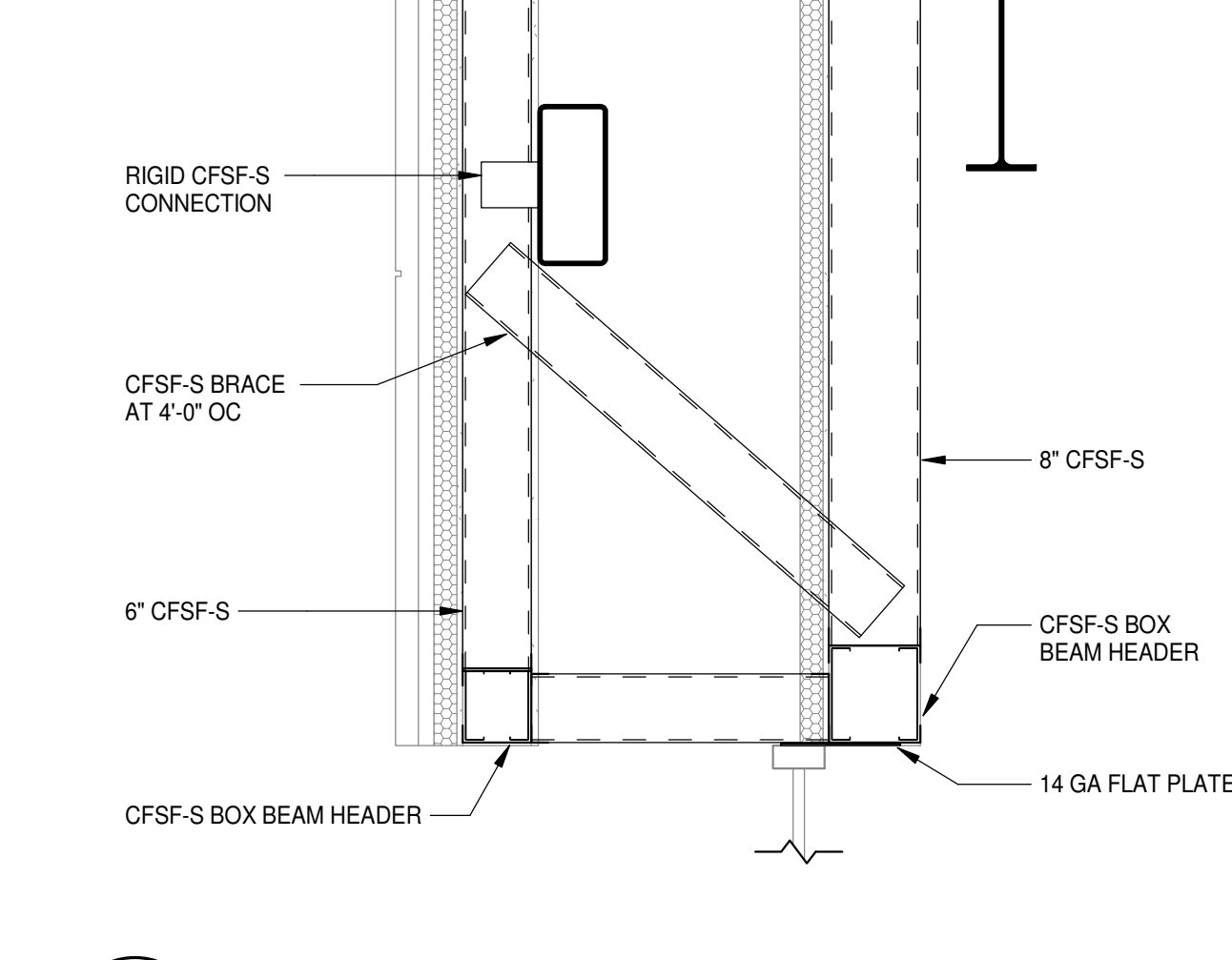
2 SECTION
S2.2.8|S4.1.2 3/4" = 1'-0"



3 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



4 SECTION
S2.2.6|S4.1.2 3/4" = 1'-0"



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FRAMING SECTIONS

S4.1.2

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443



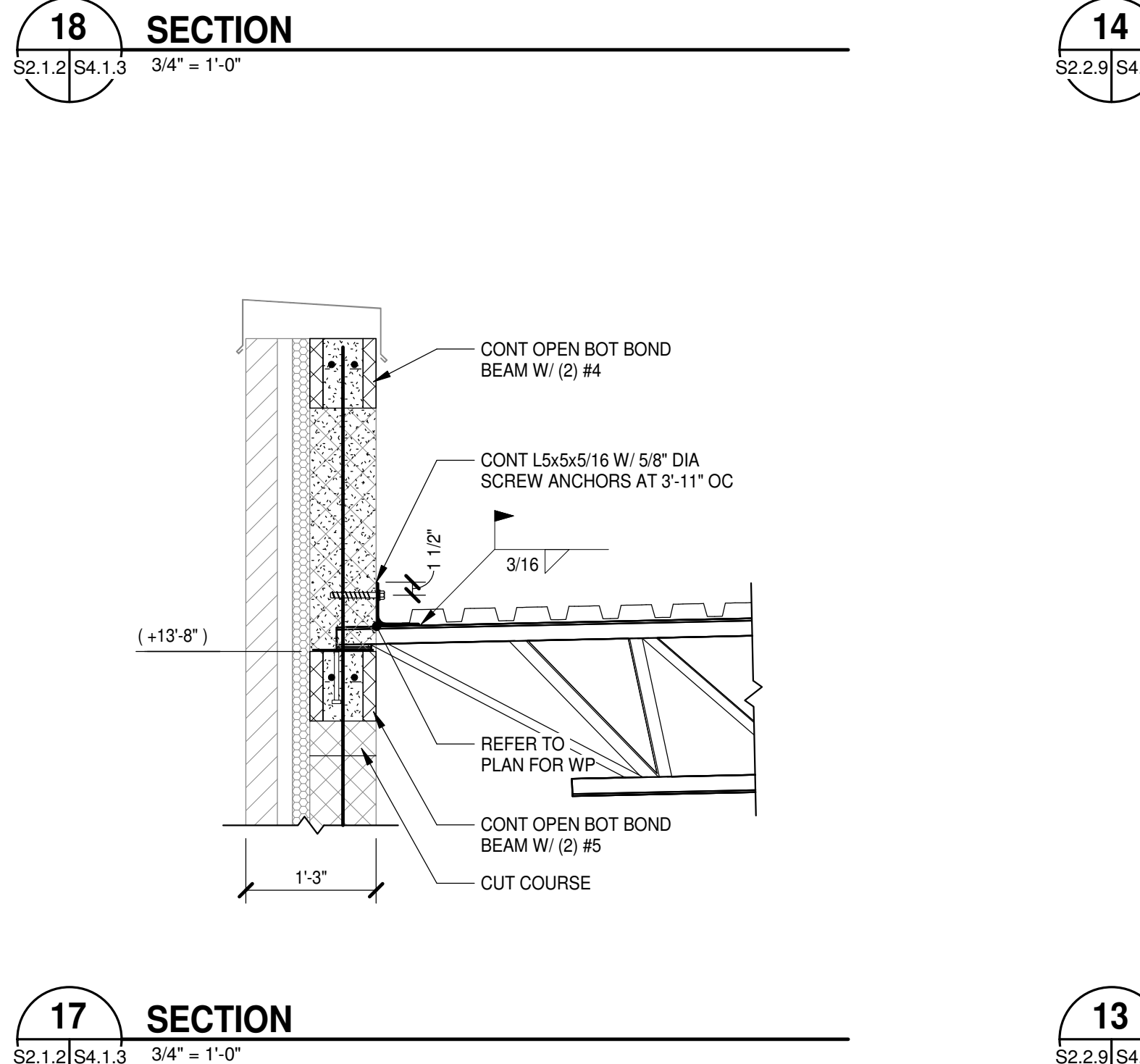
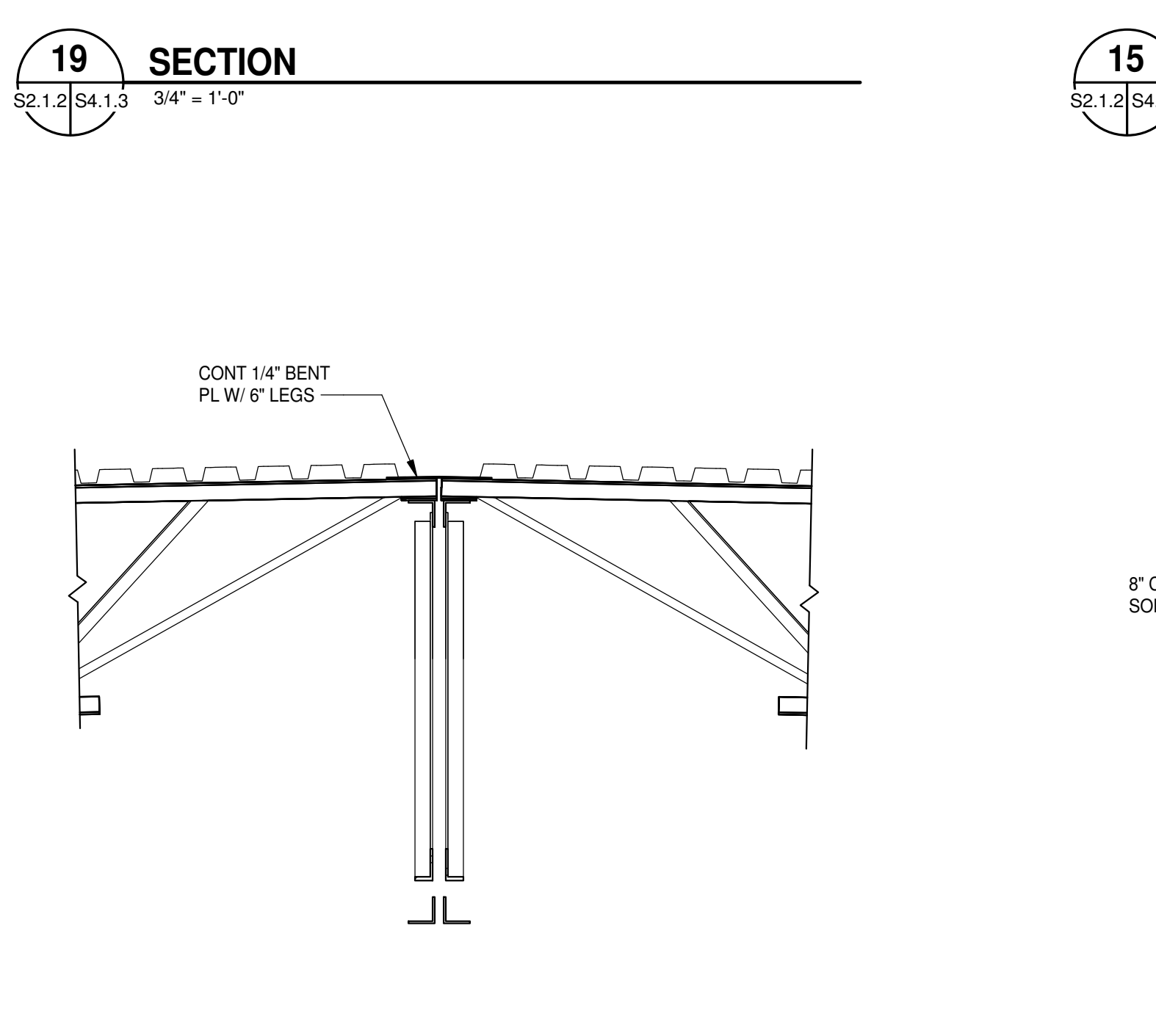
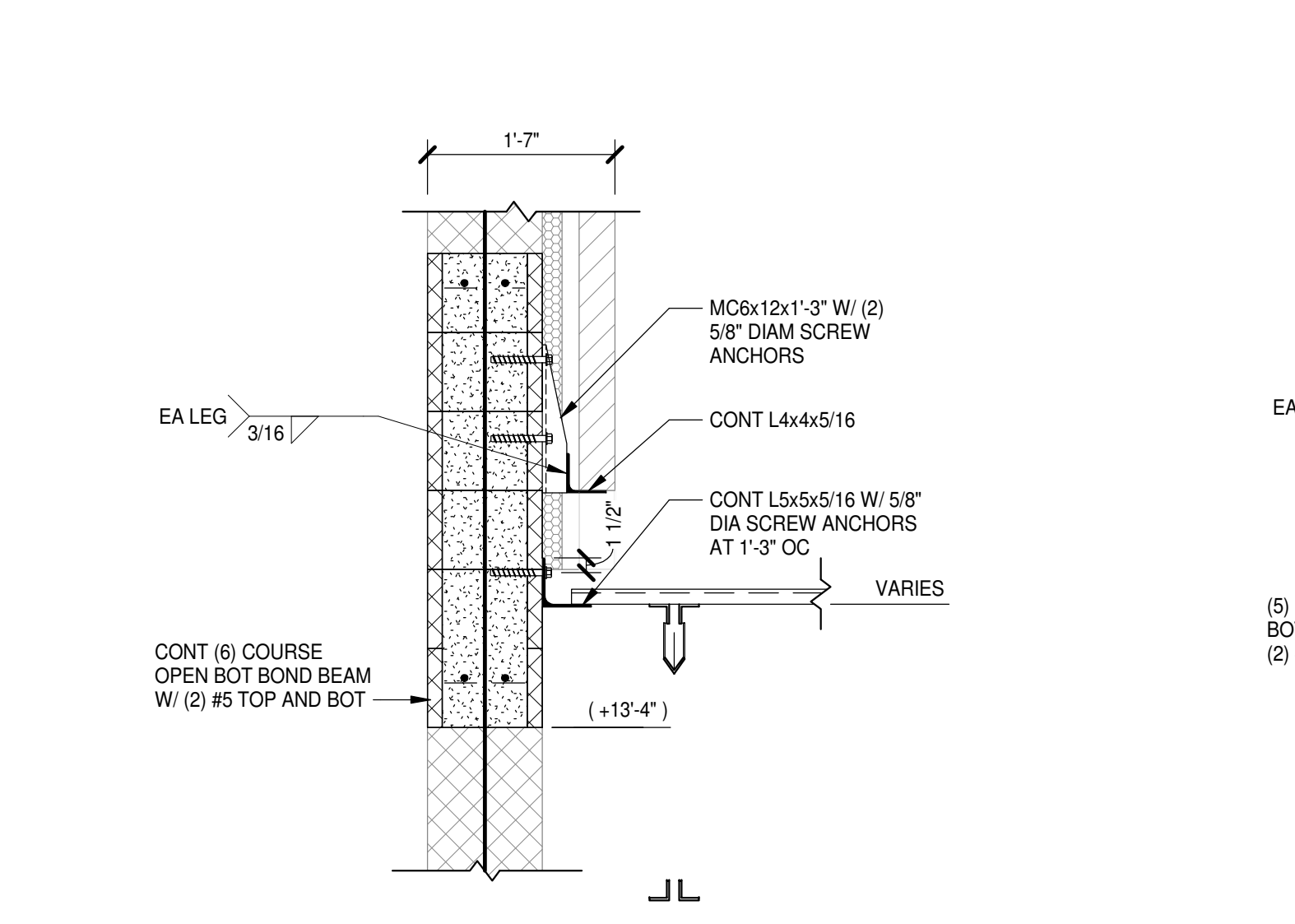
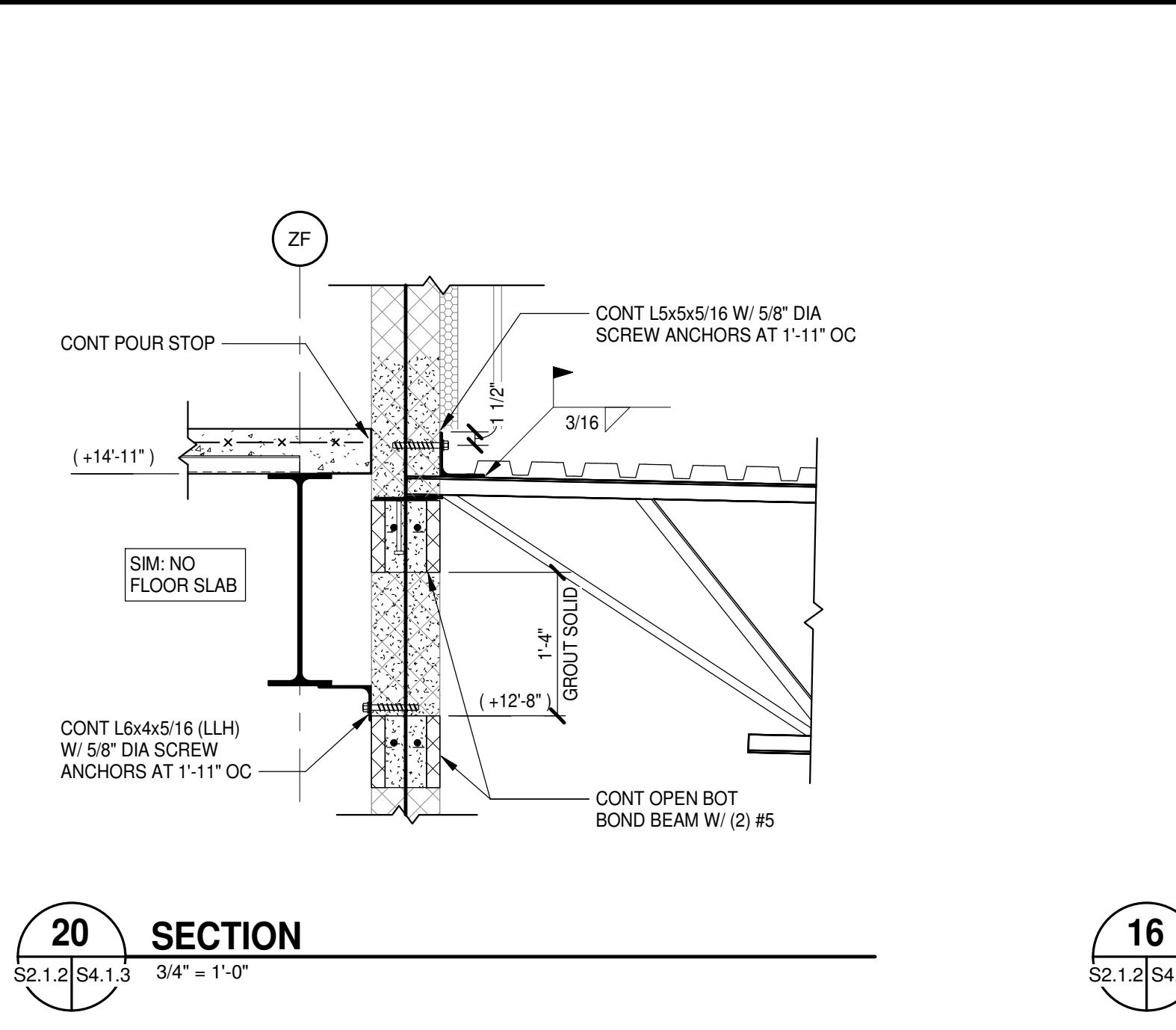
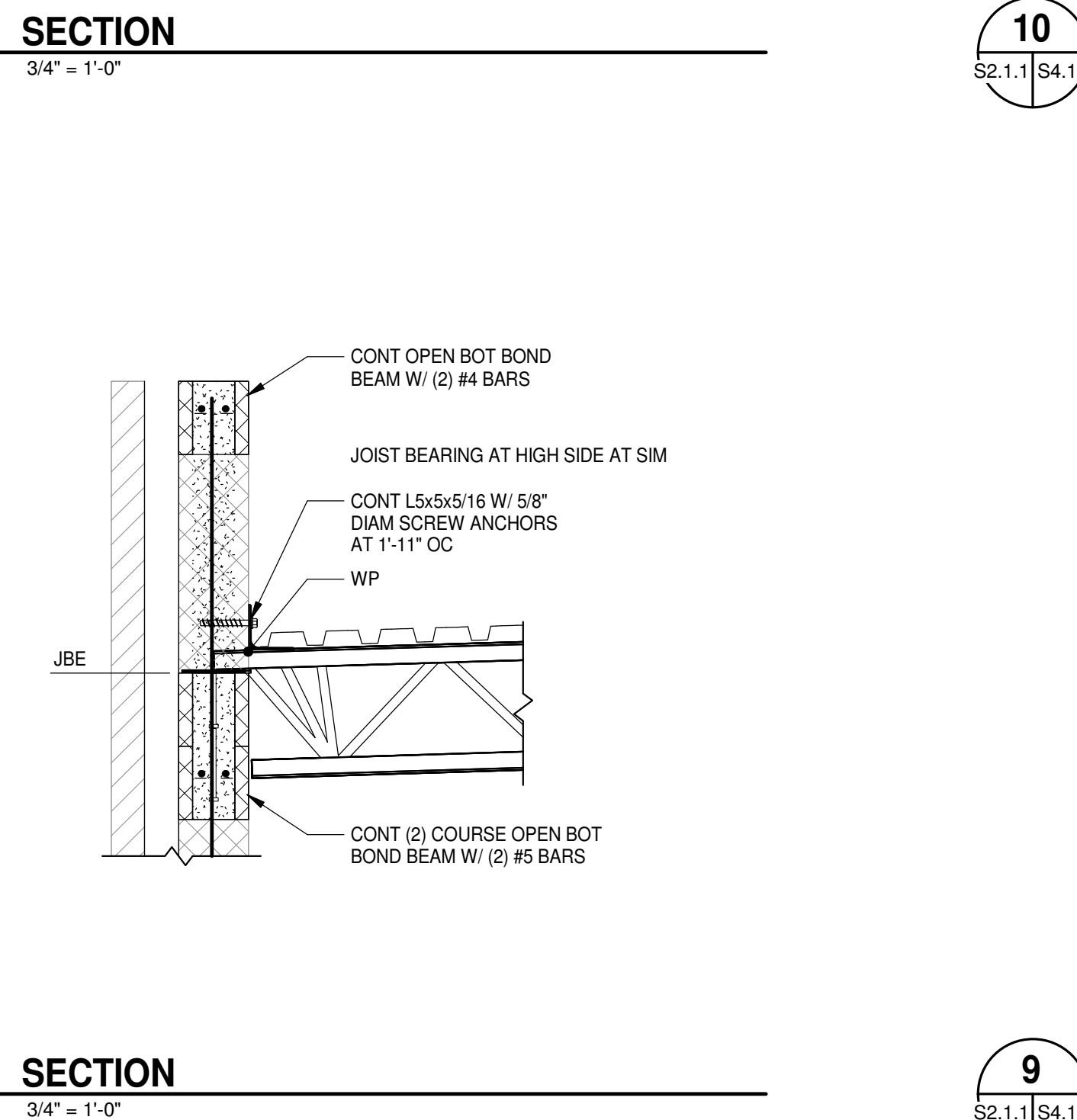
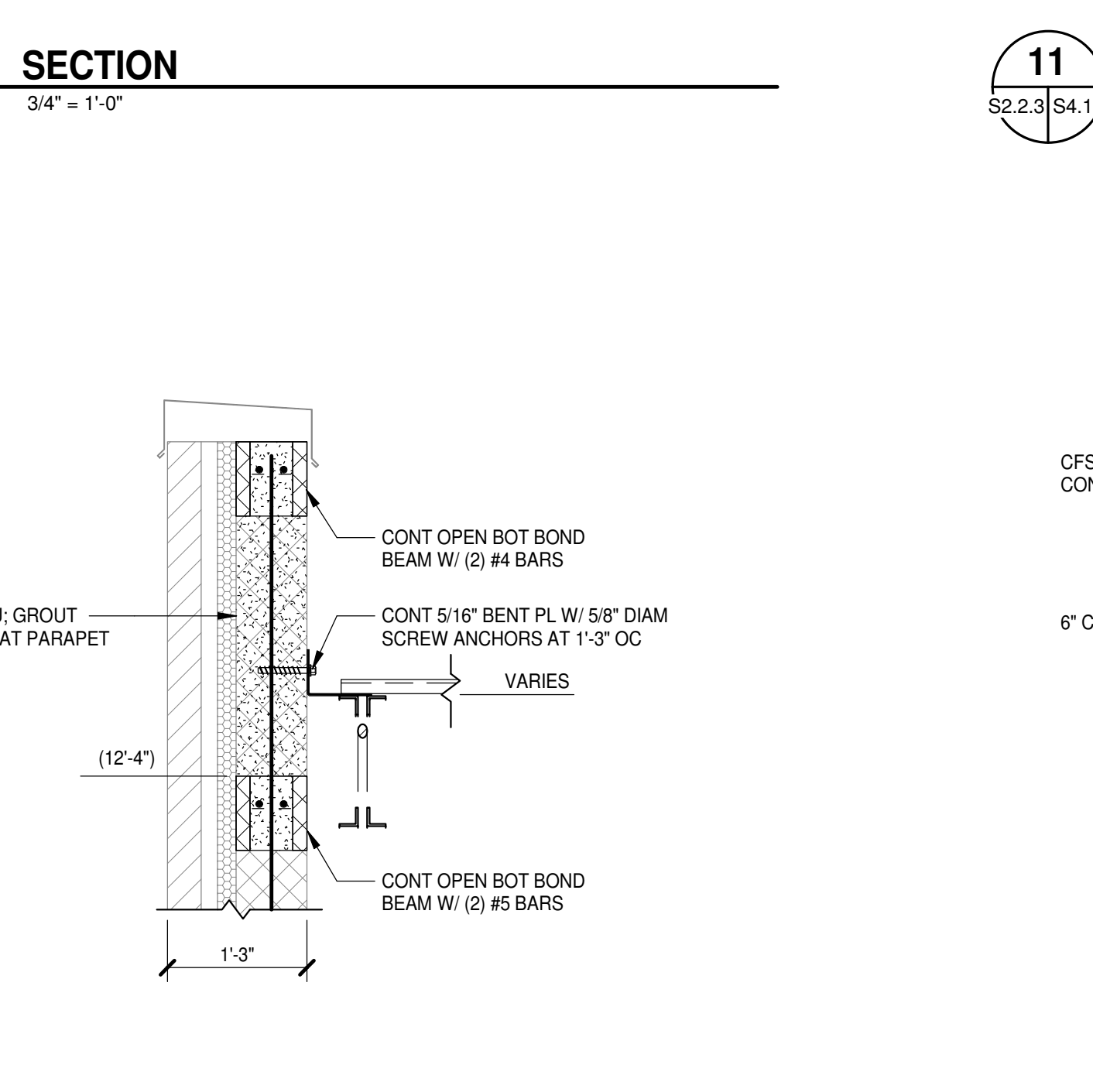
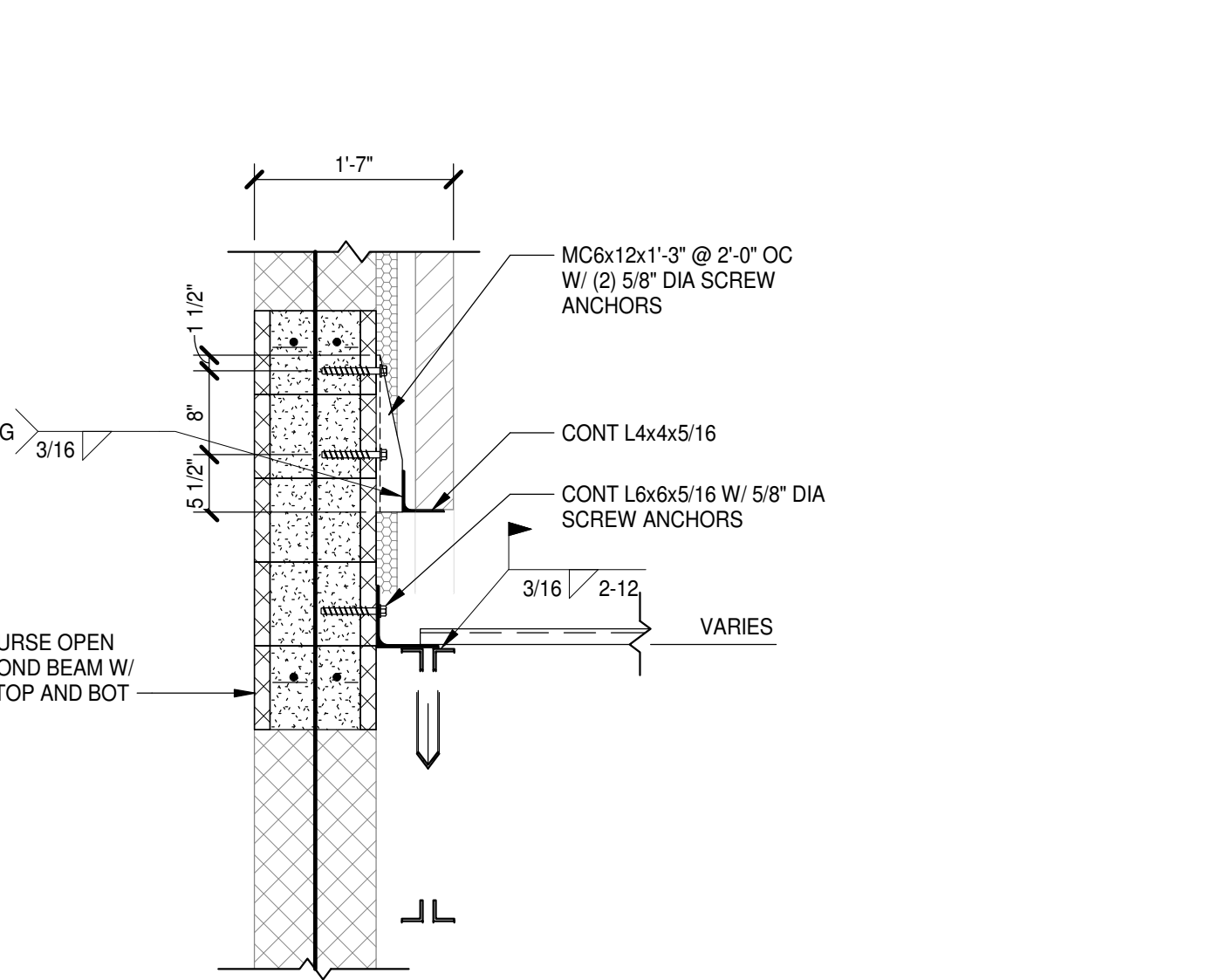
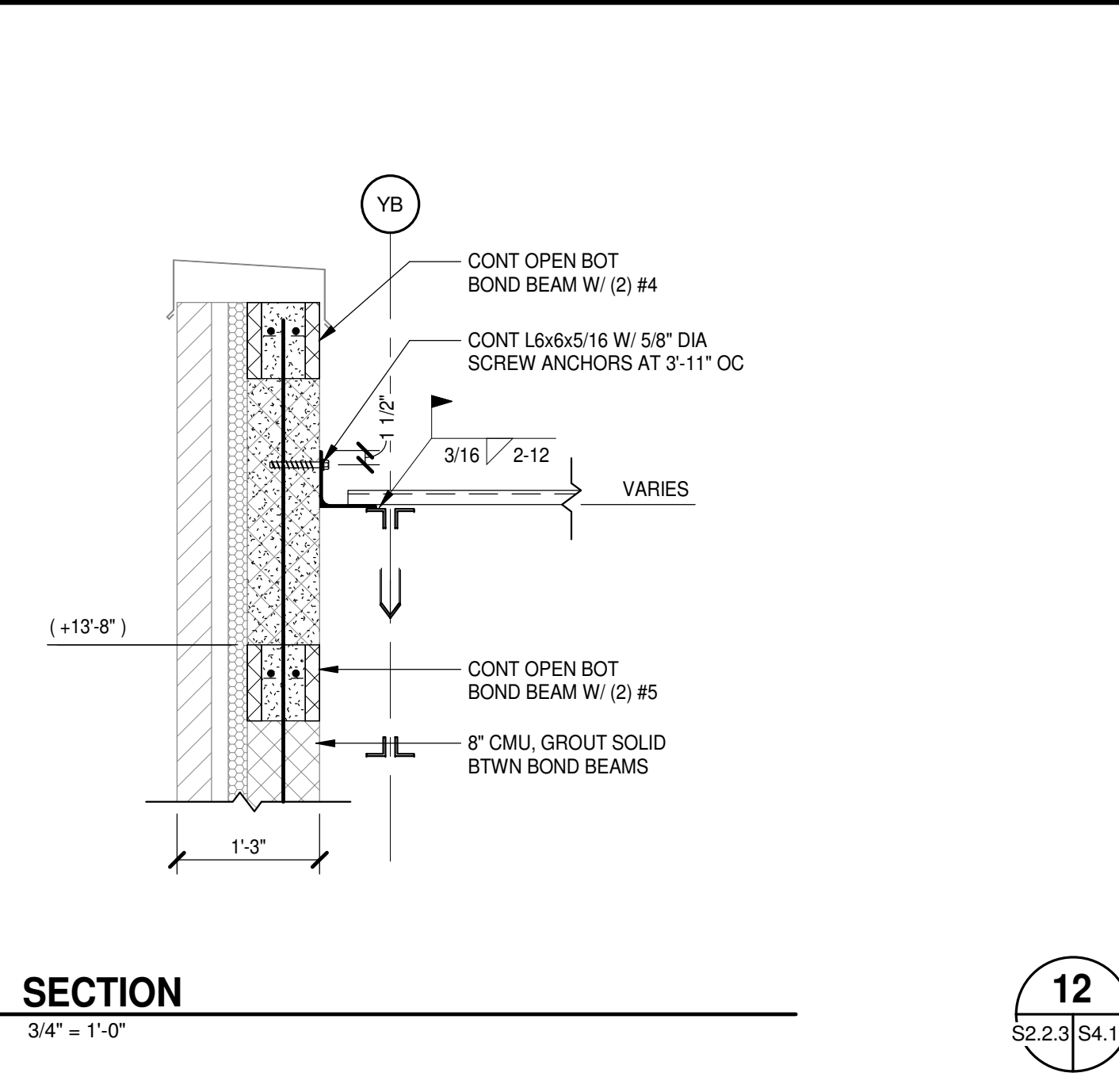
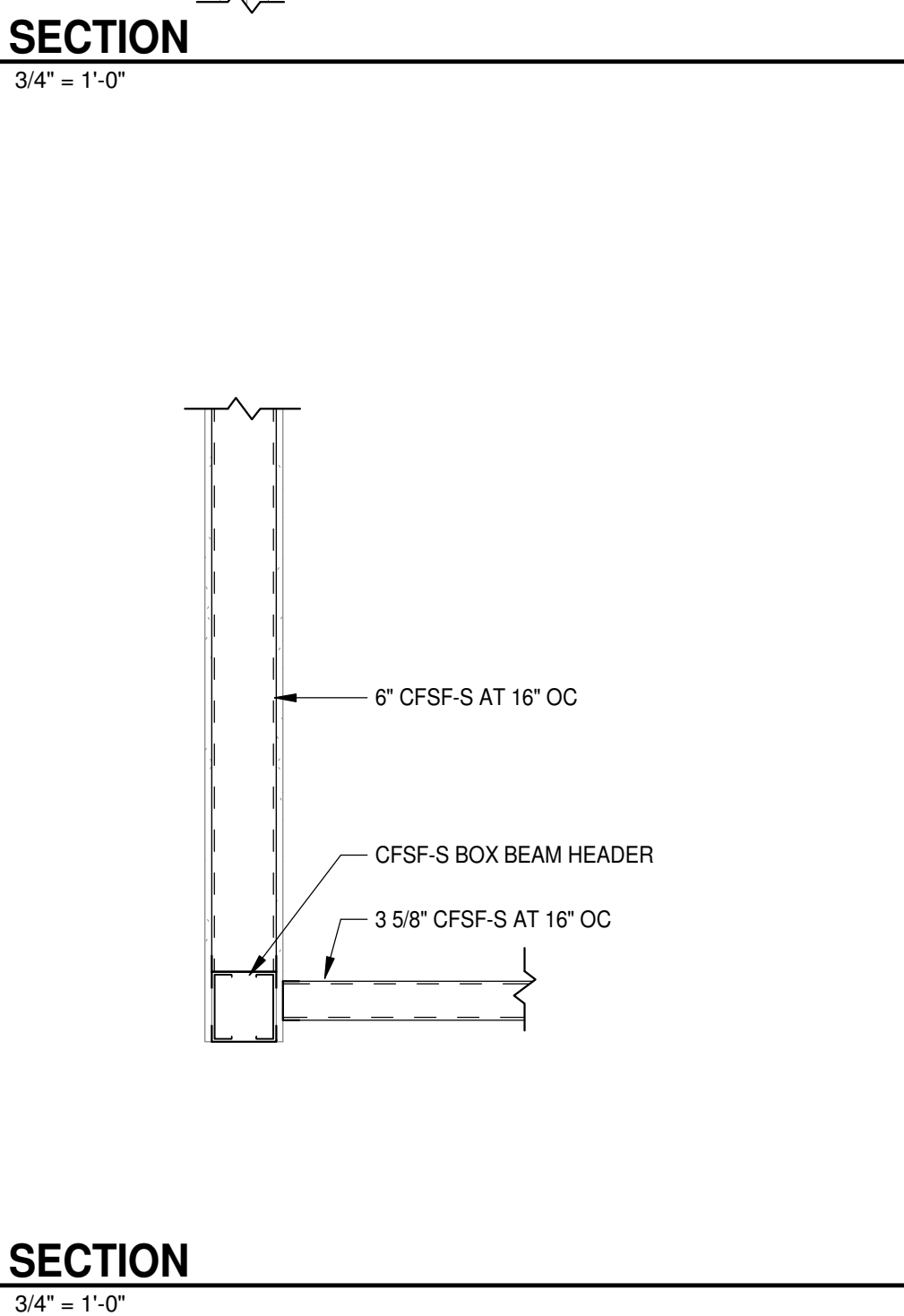
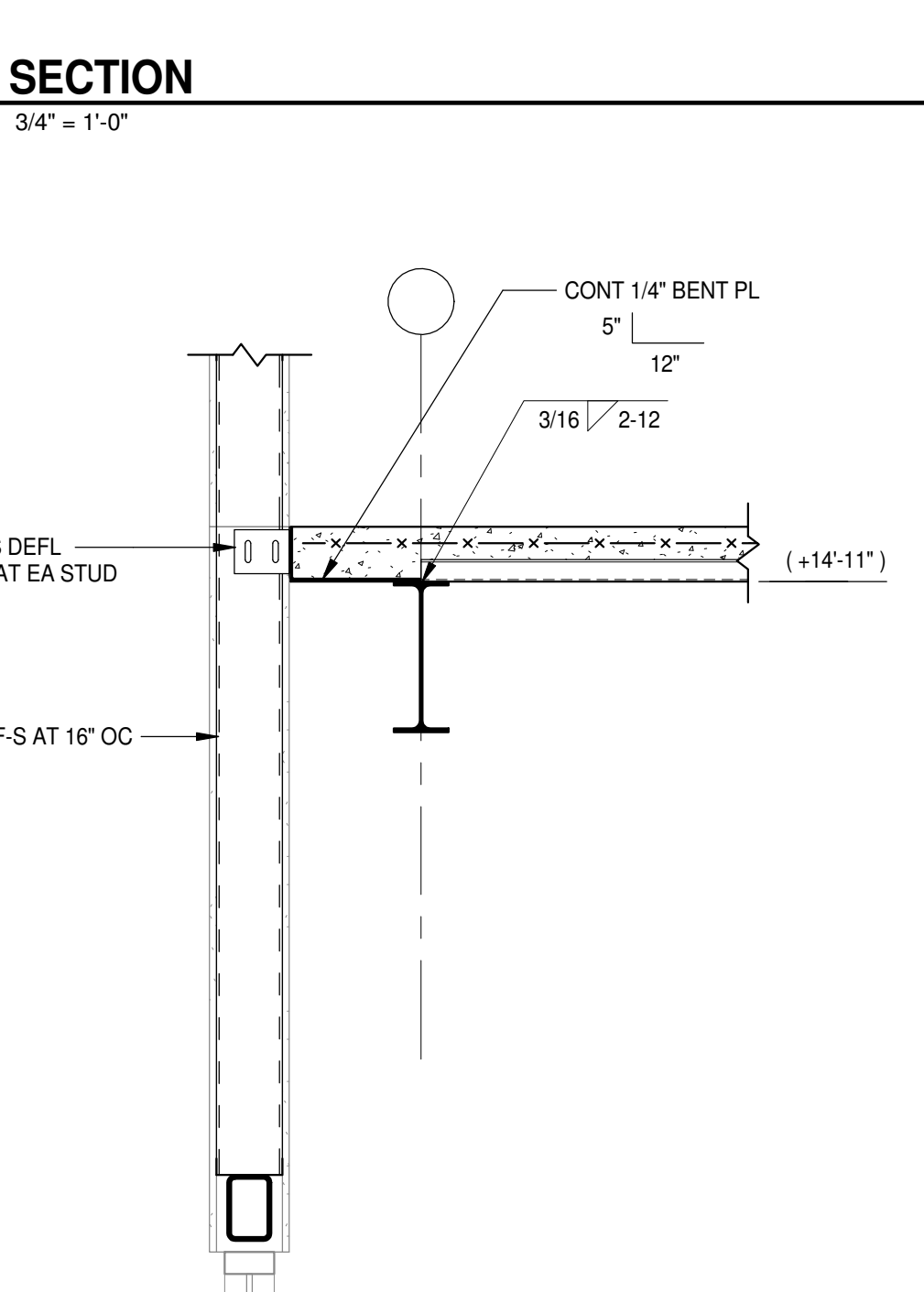
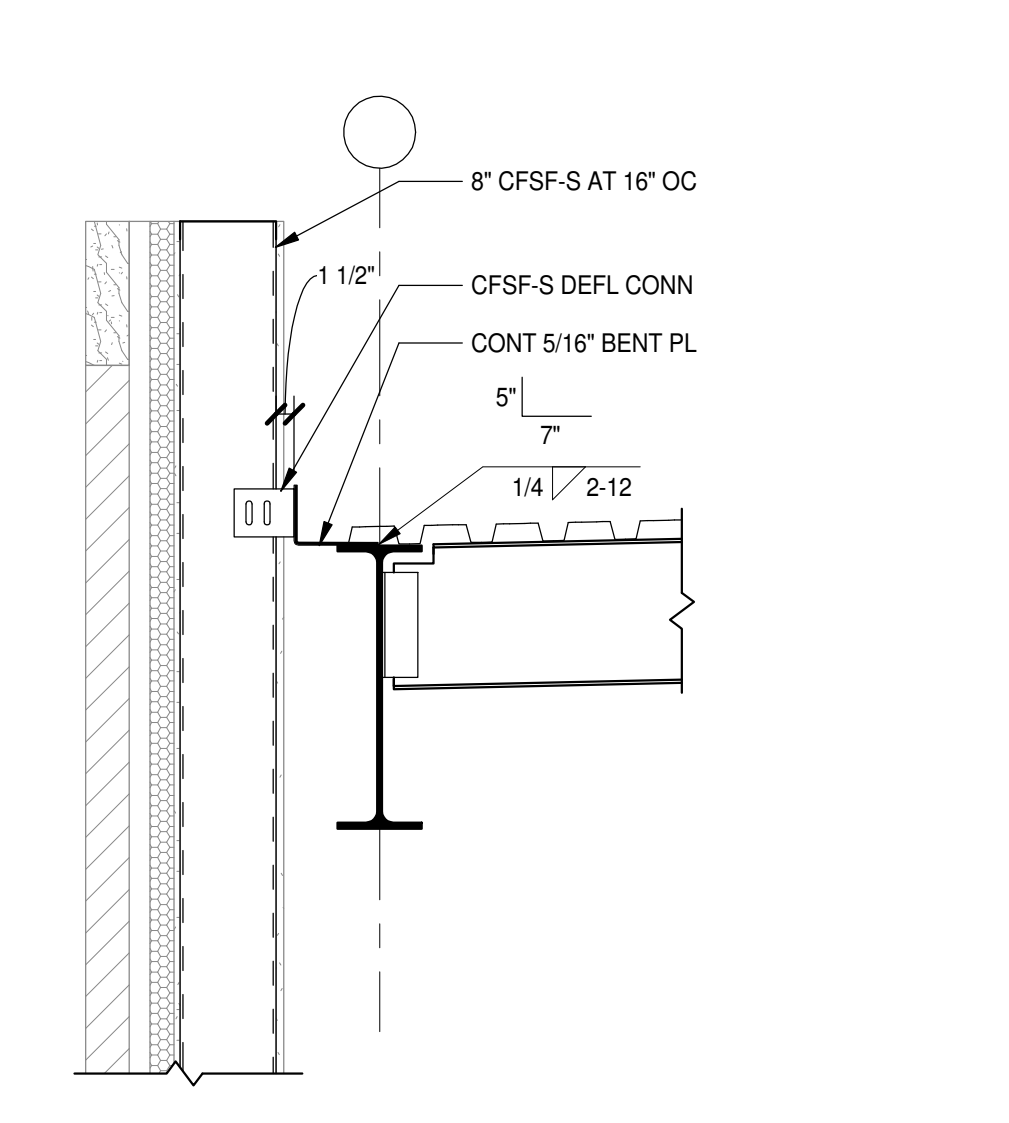
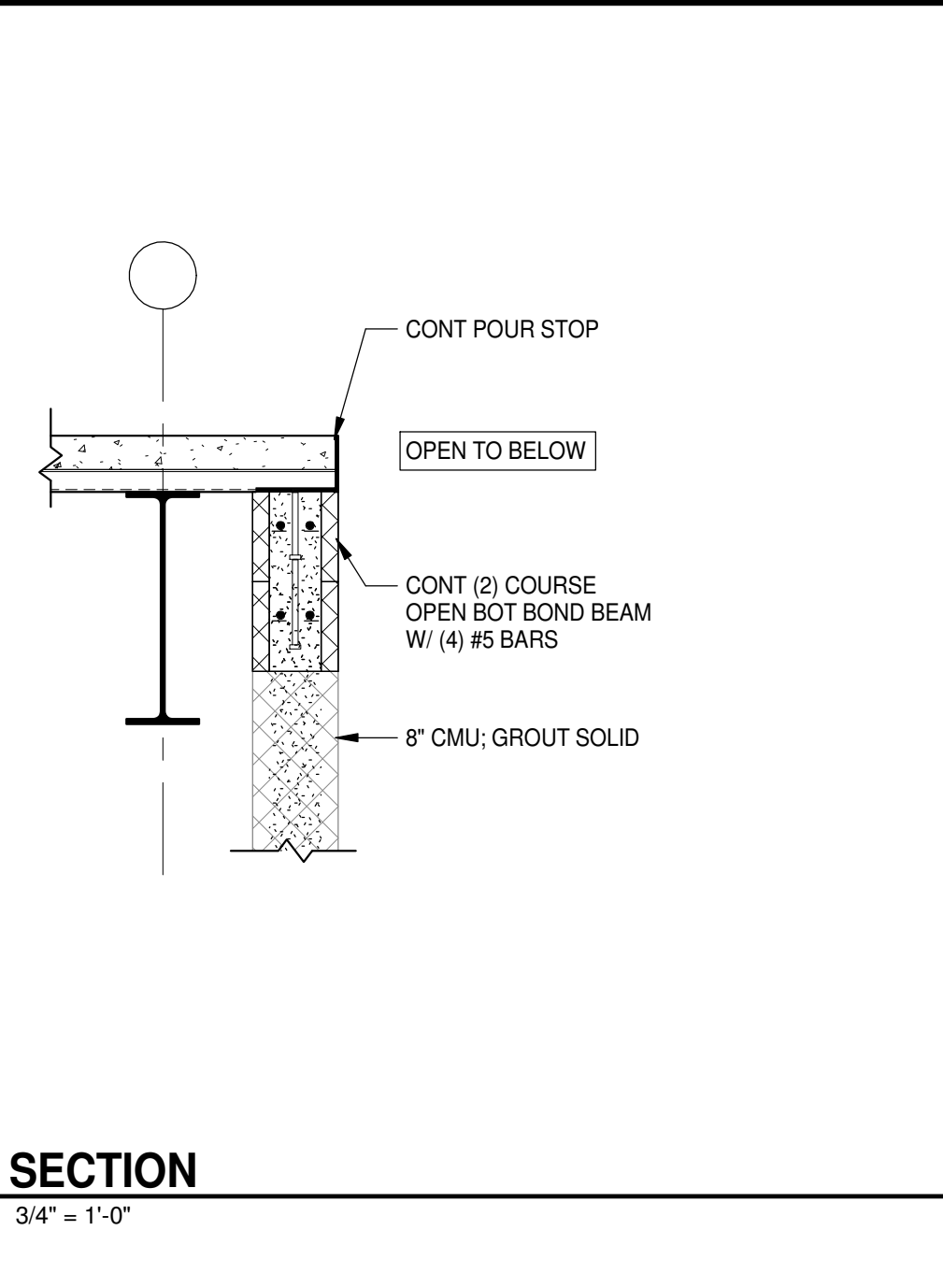
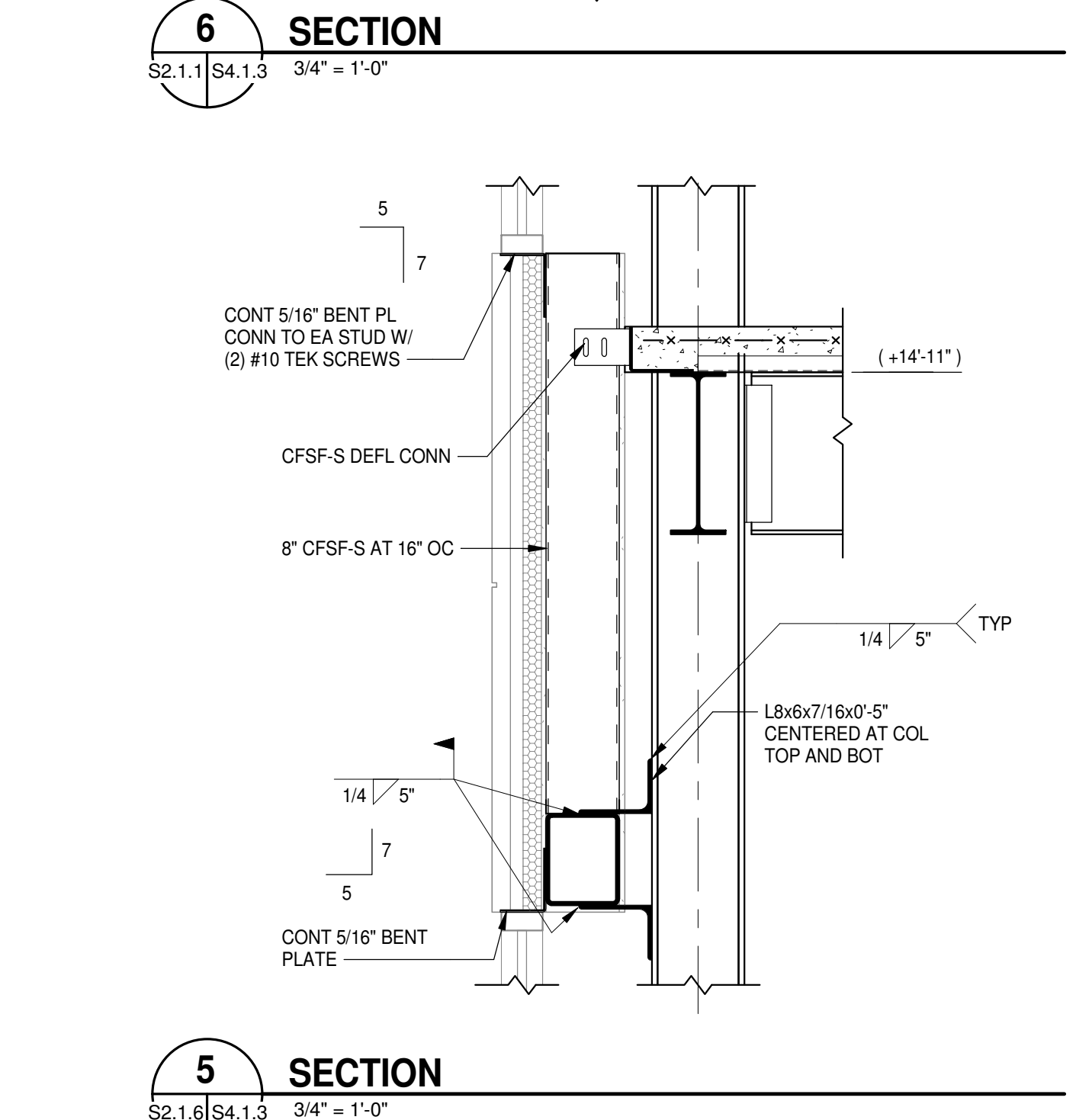
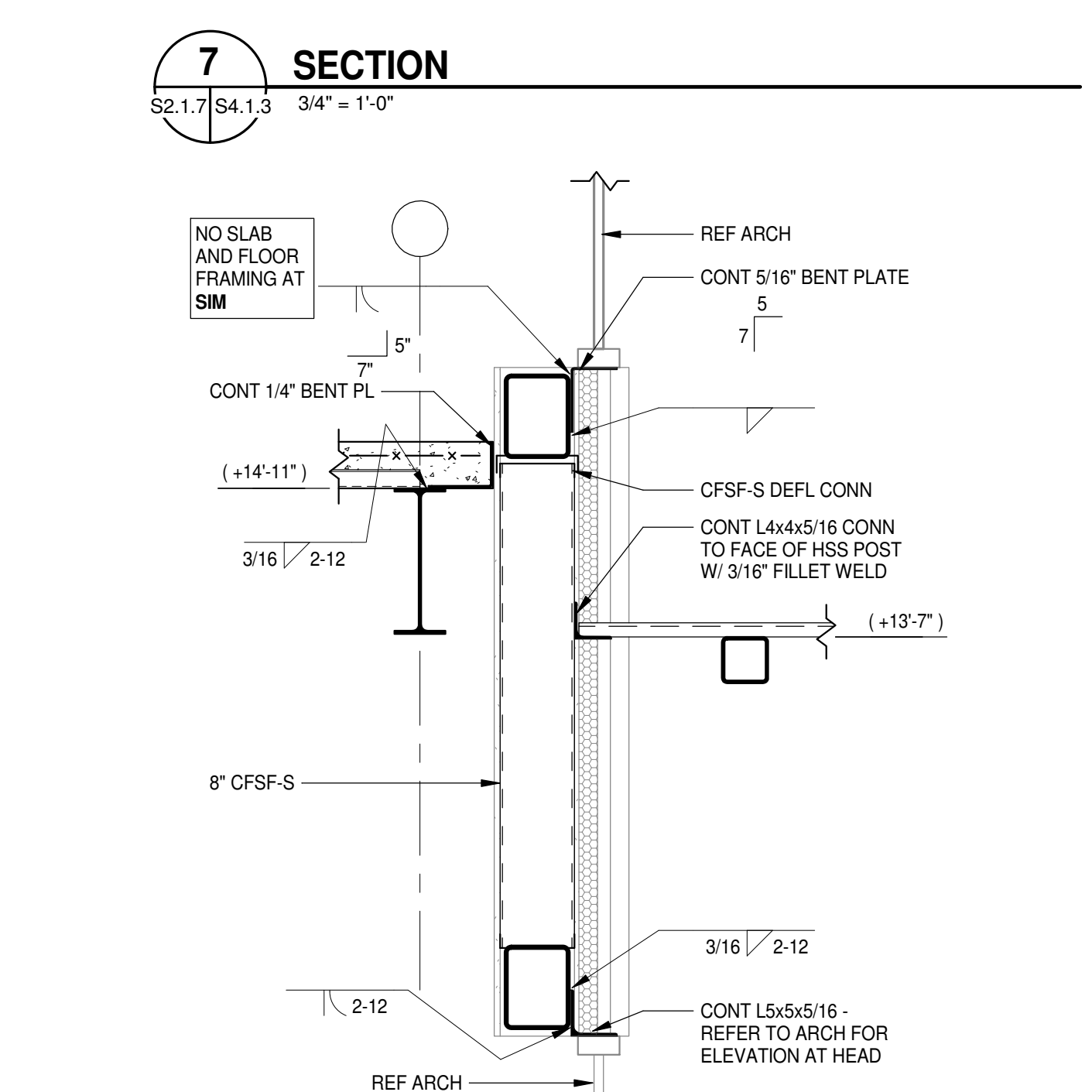
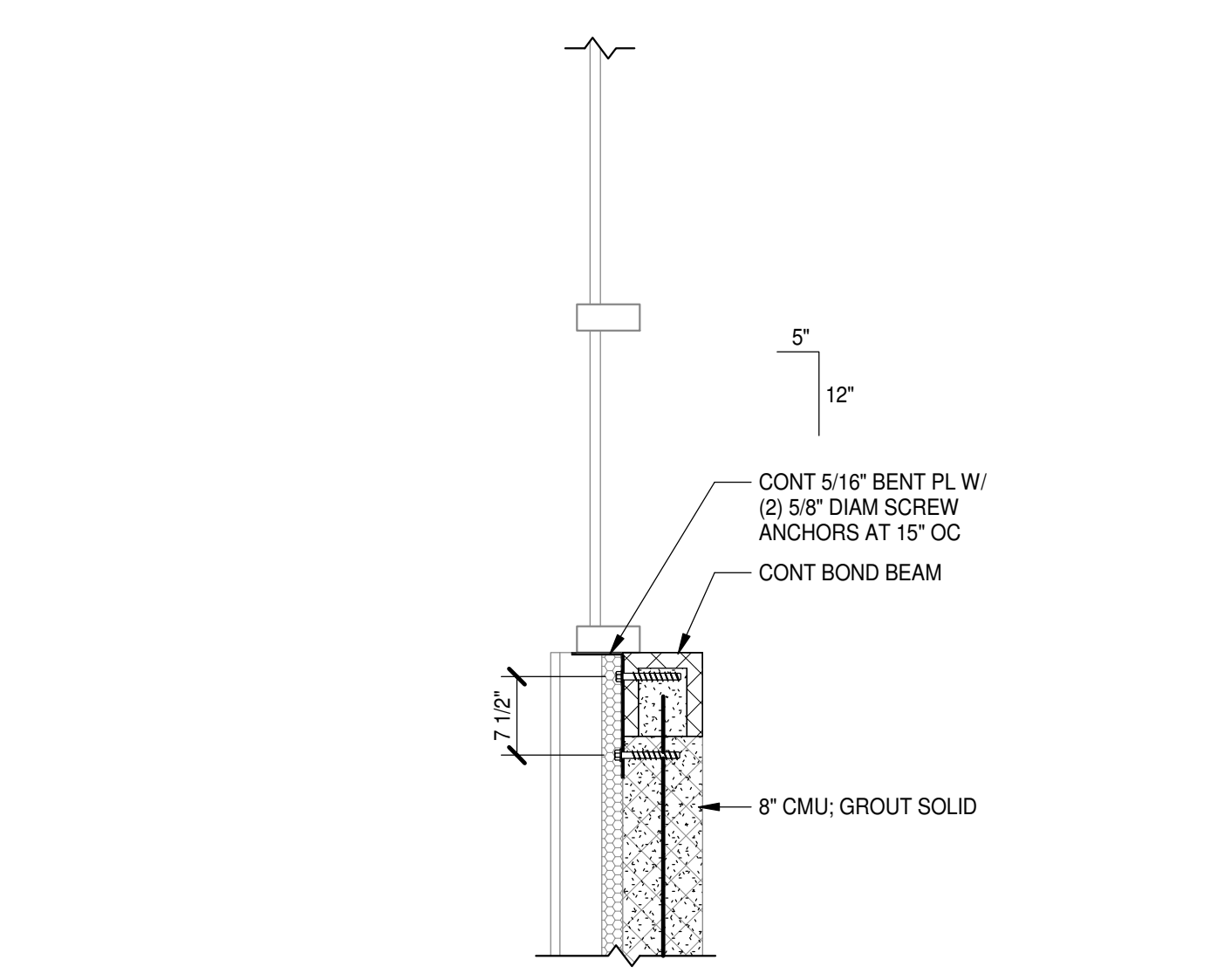
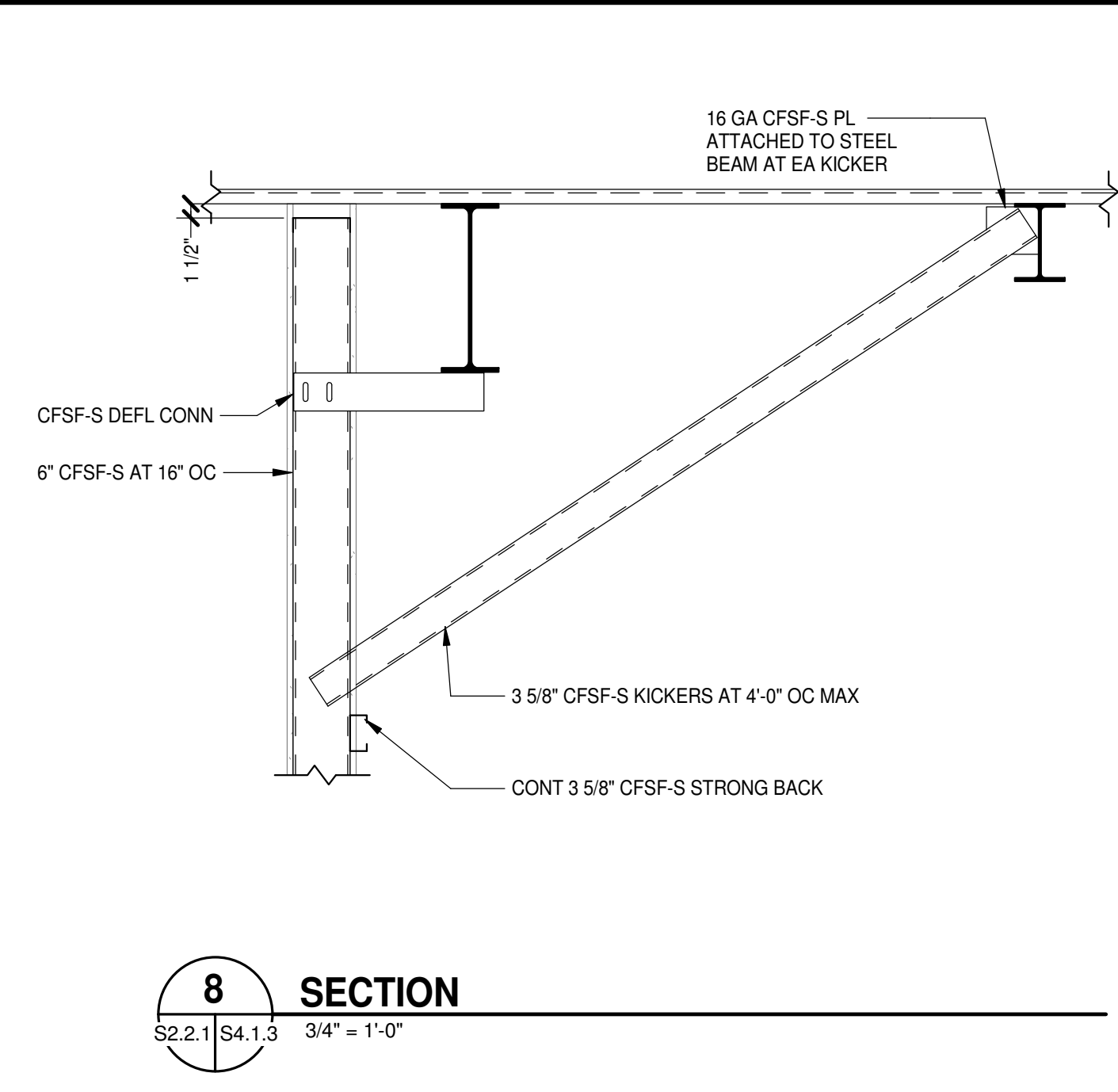
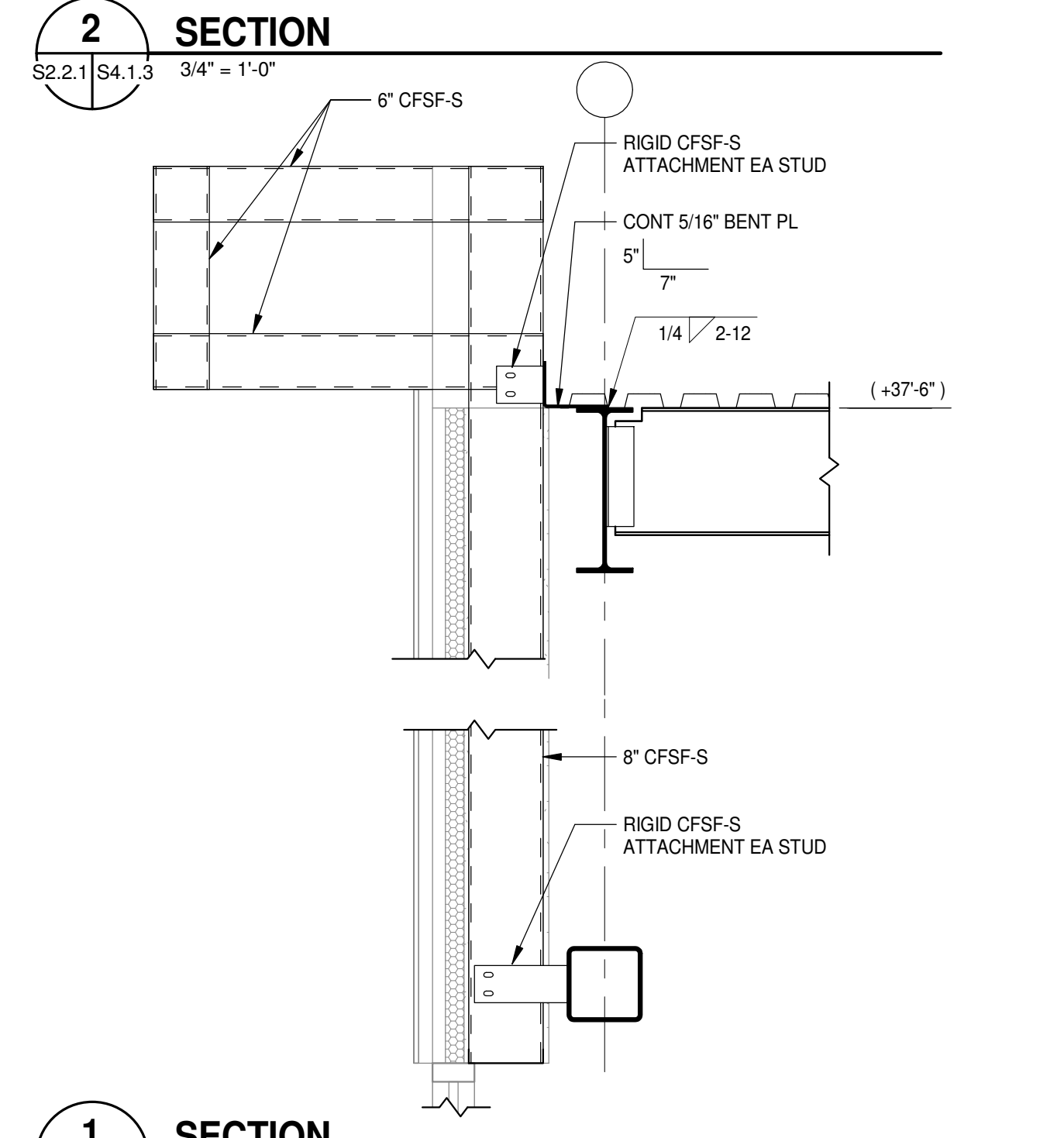
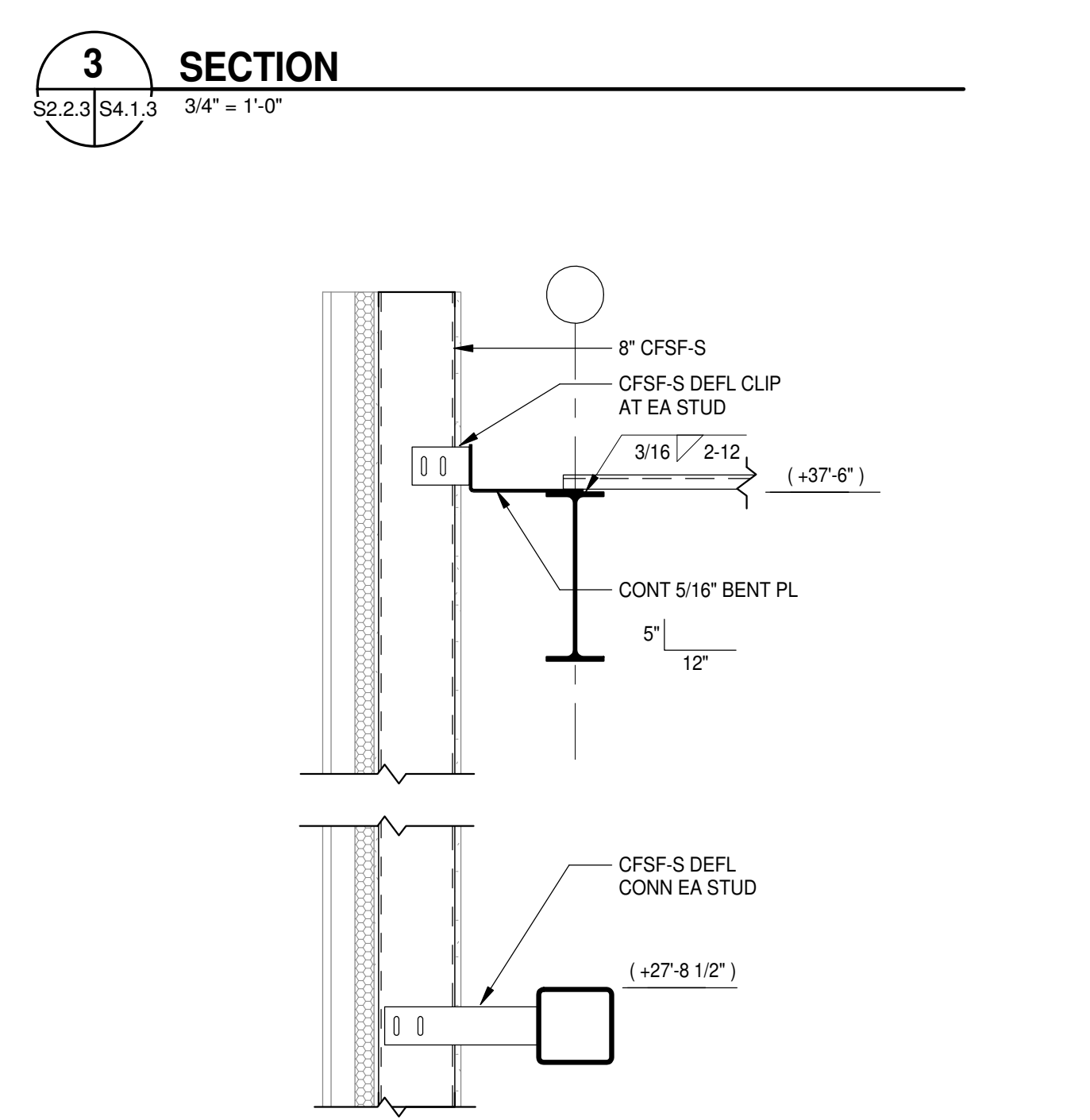
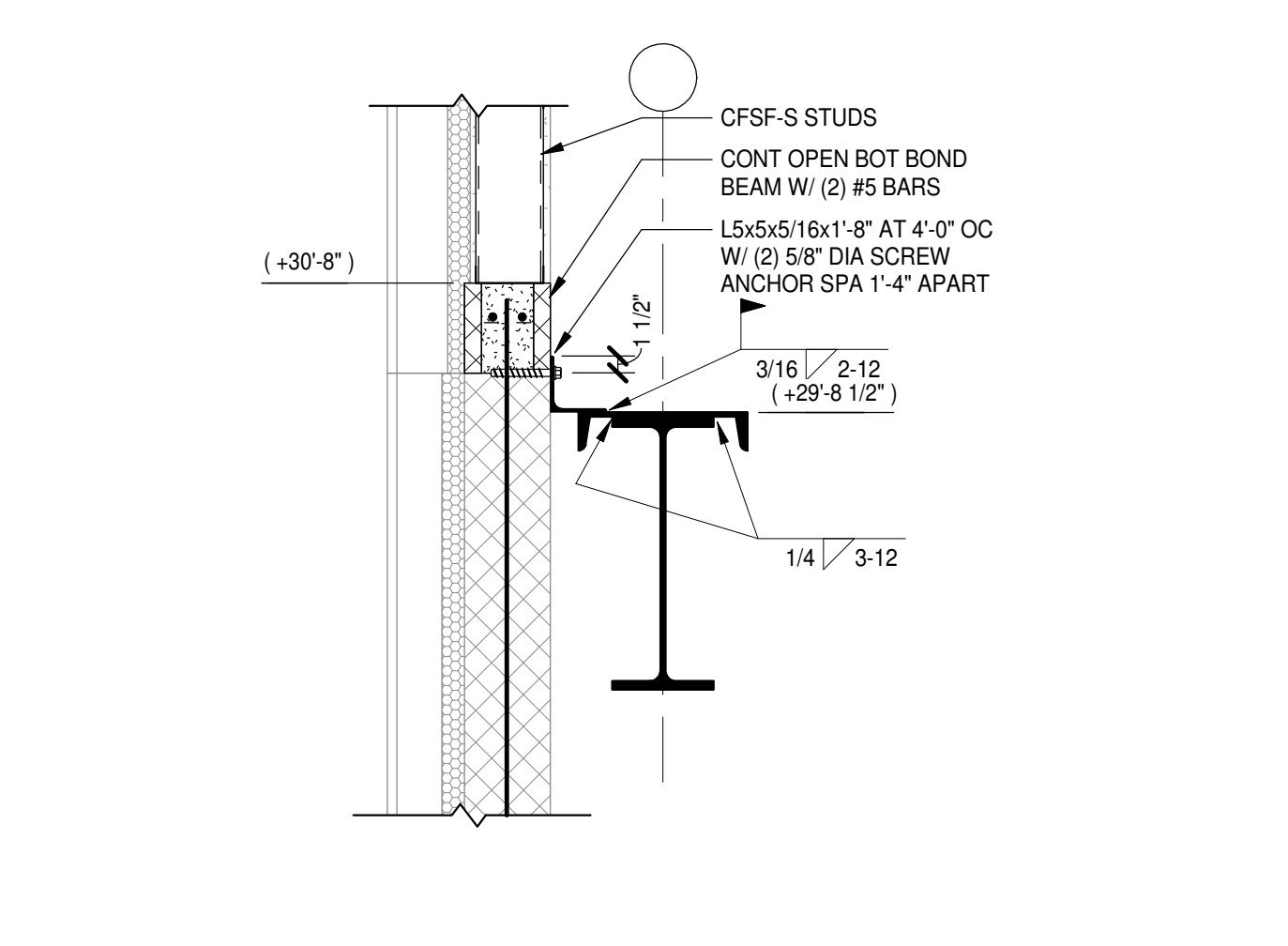
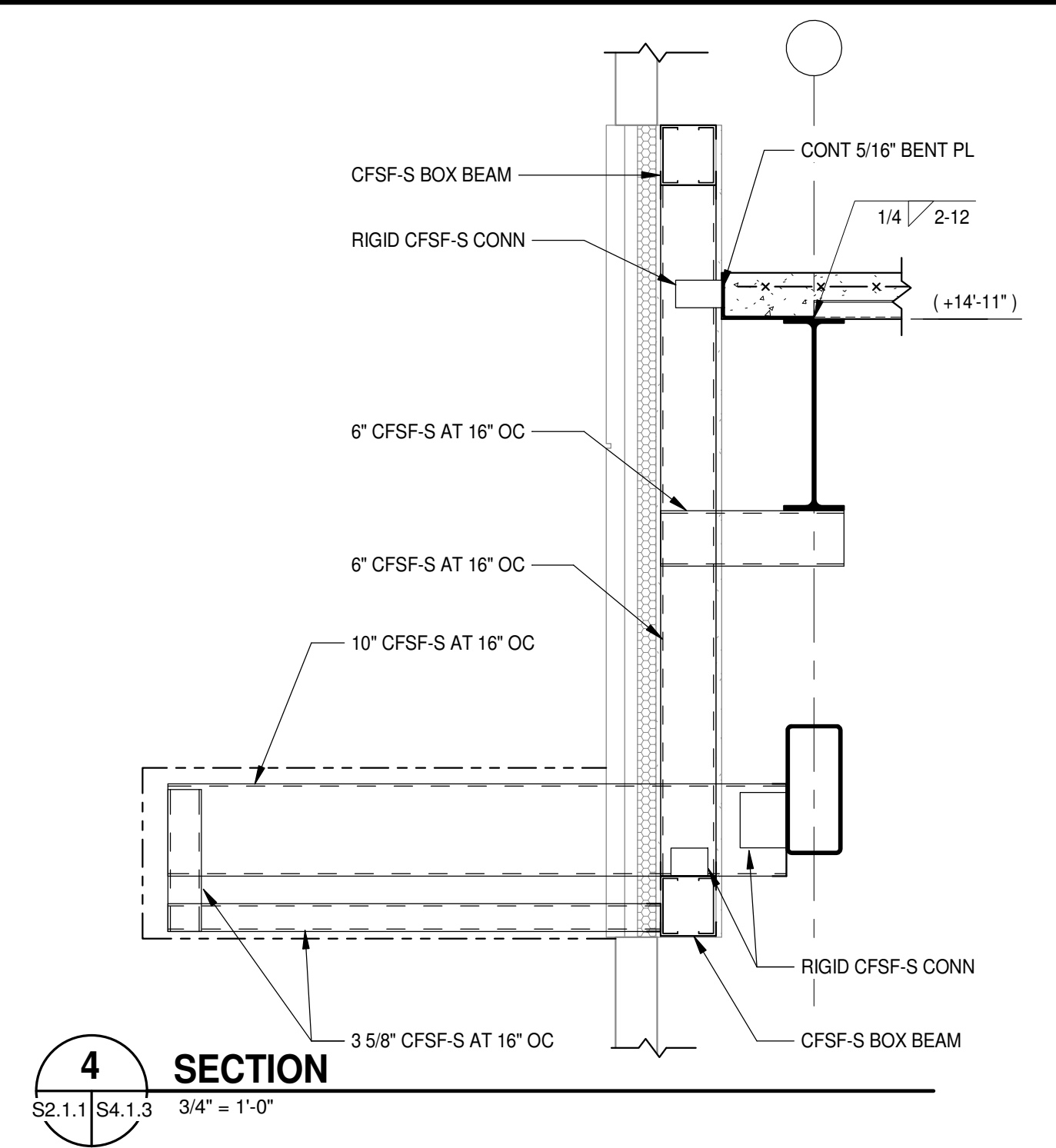
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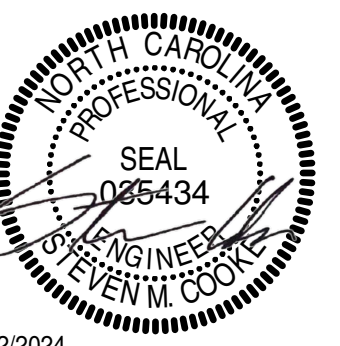
MOSELEY ARCHITECTS

911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0051
MOSELEYARCHITECTS.COM

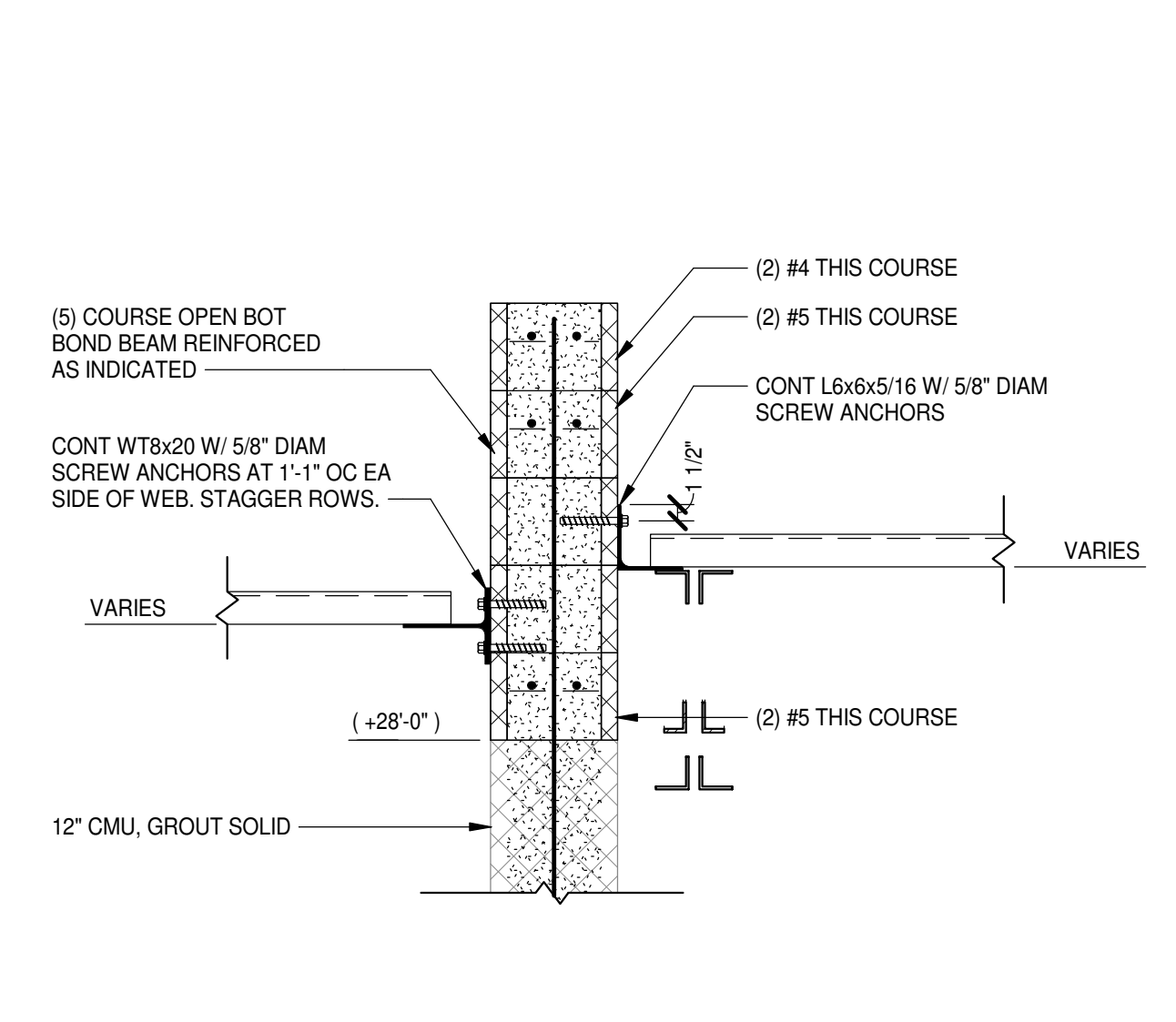


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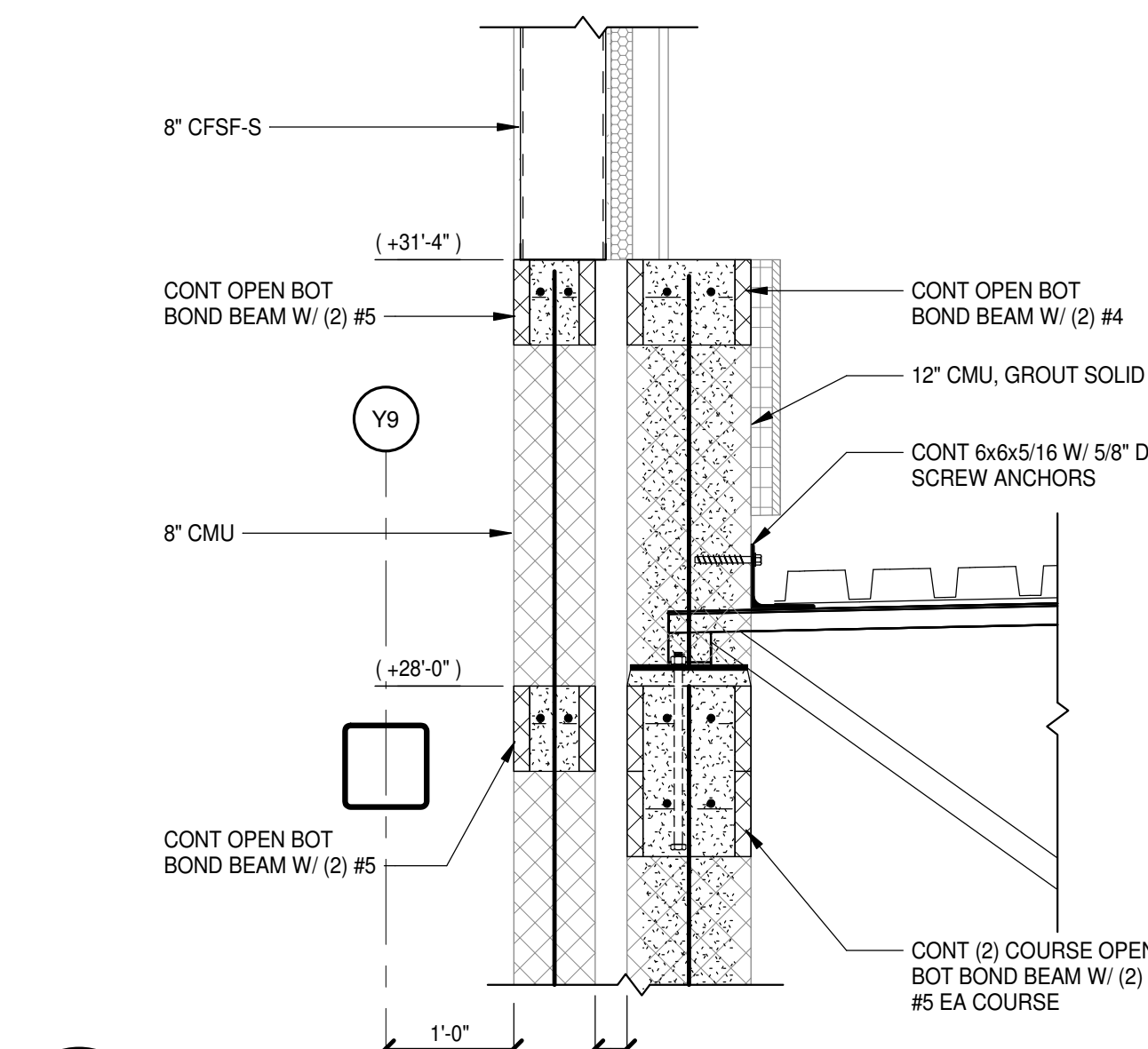




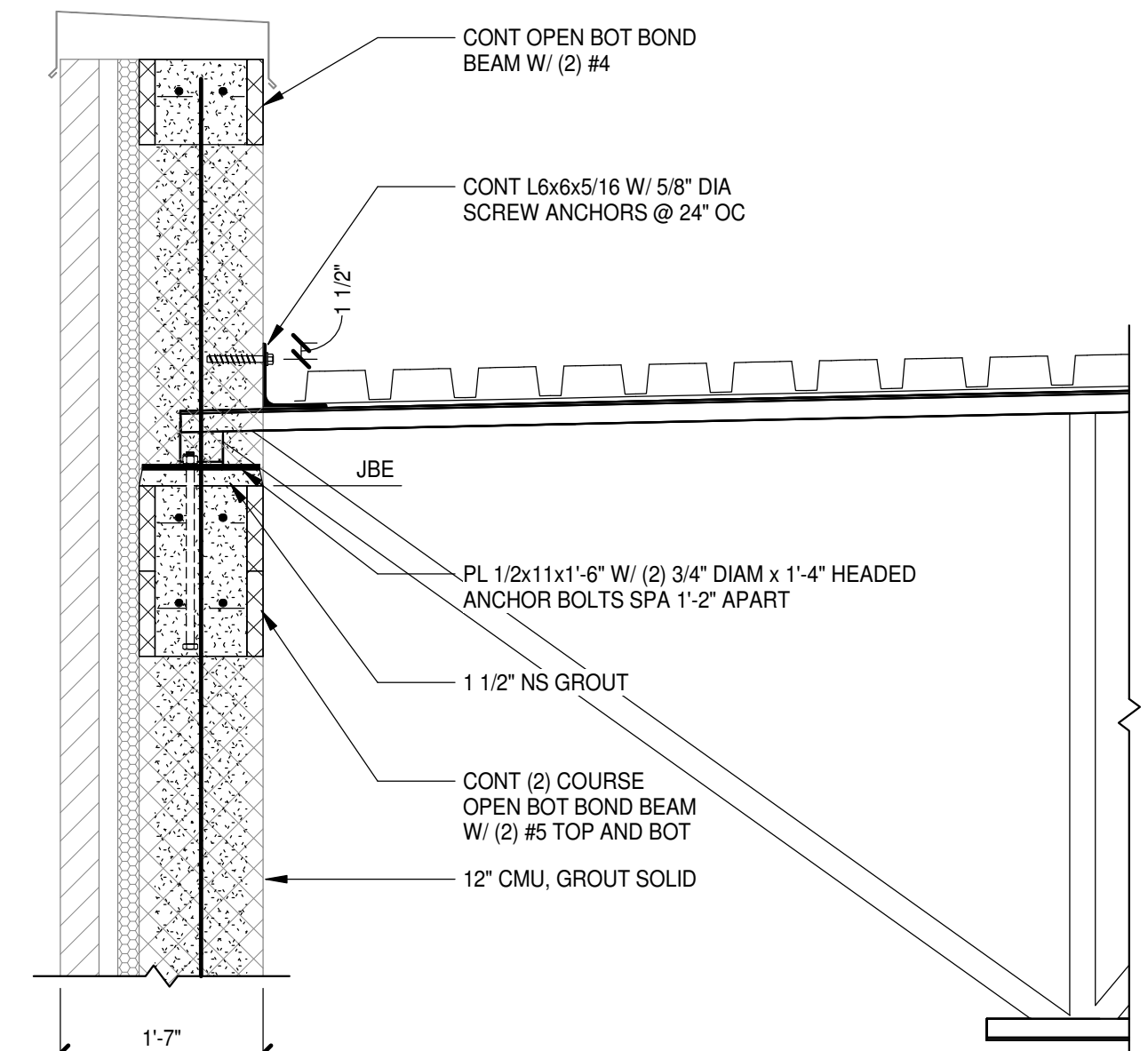
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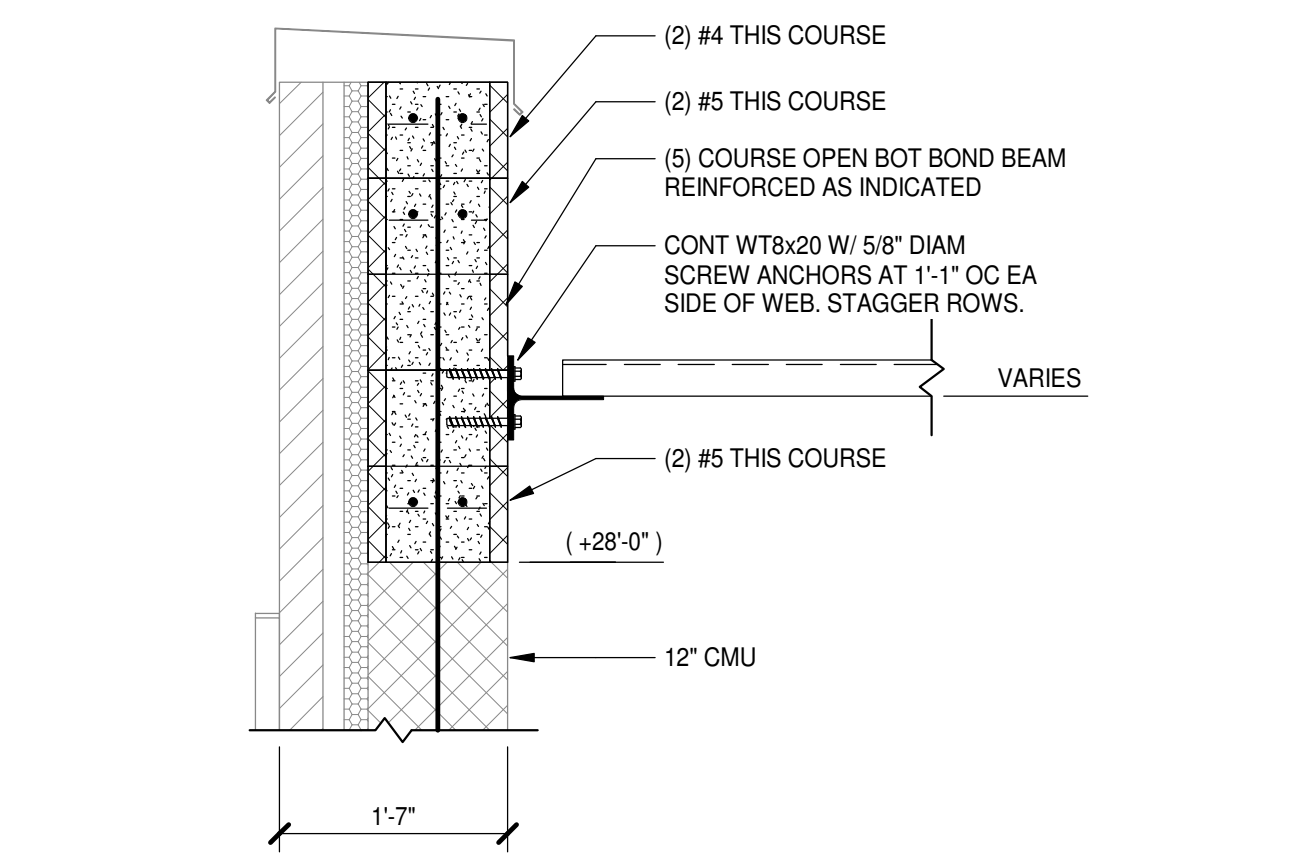
4 SECTION
S2.2.1 | S4.1.4
3/4" = 1'-0"



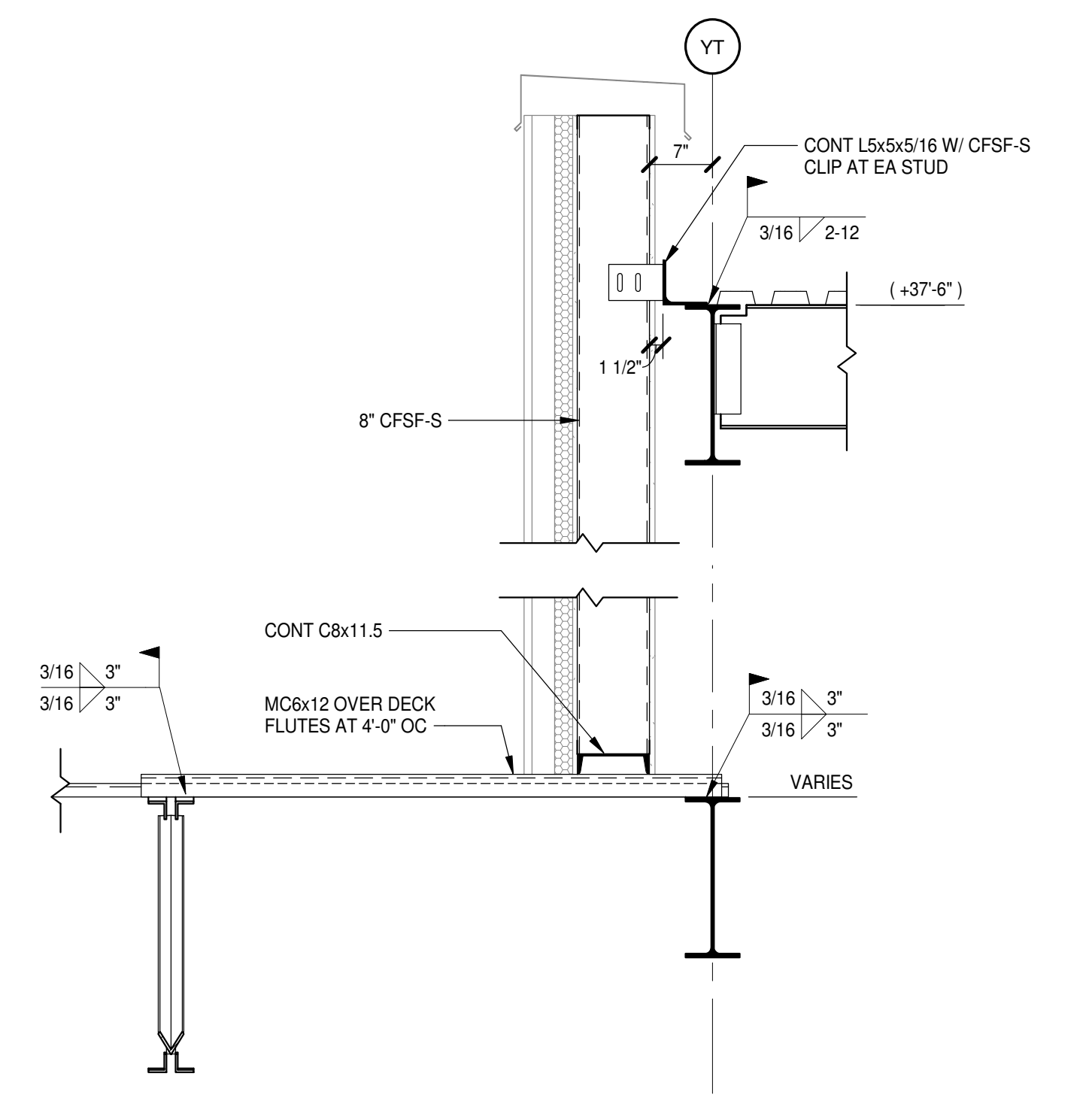
3 SECTION
S2.2.1 | S4.1.4
3/4" = 1'-0"



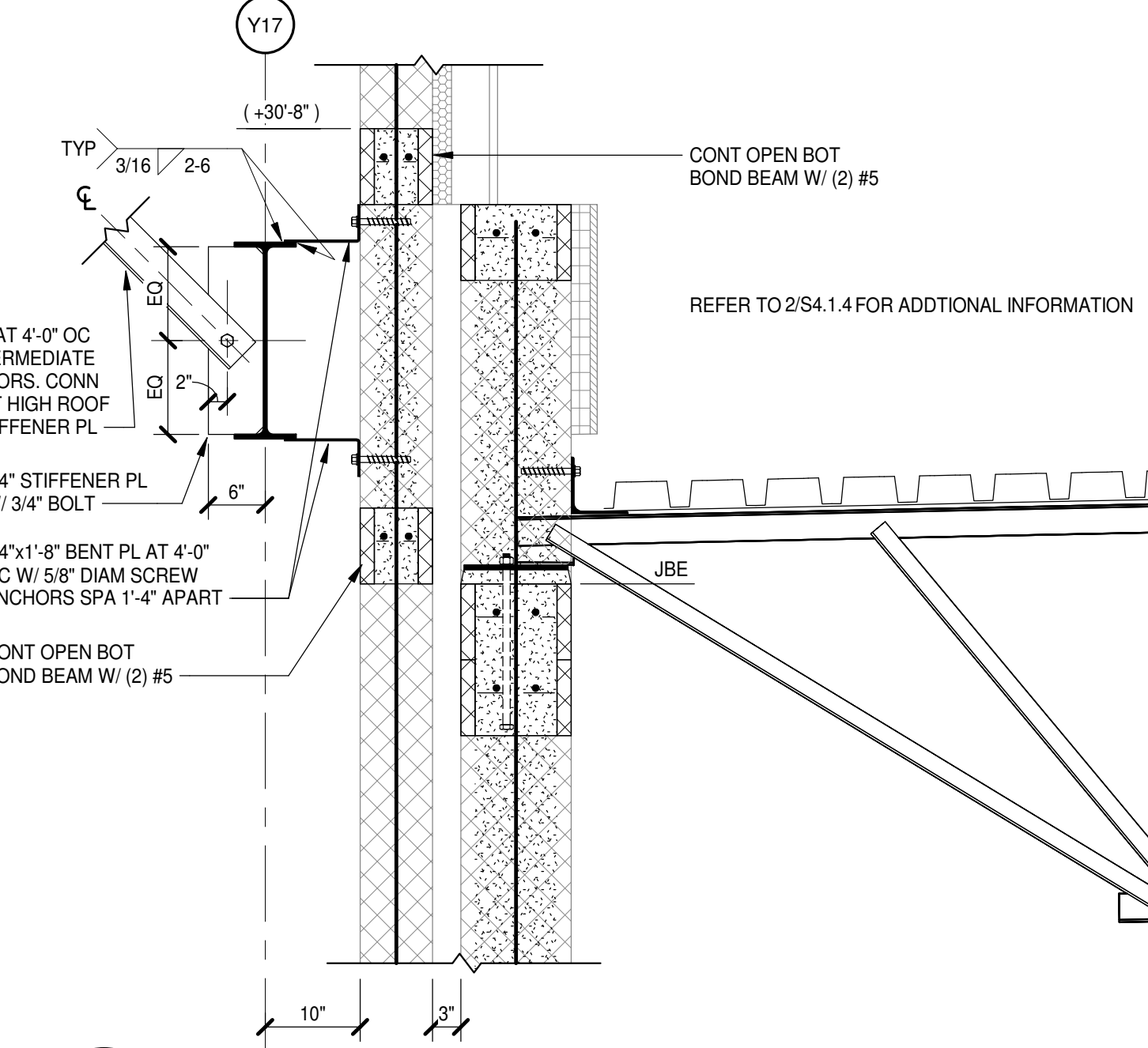
2 SECTION
S2.2.1 | S4.1.4
3/4" = 1'-0"



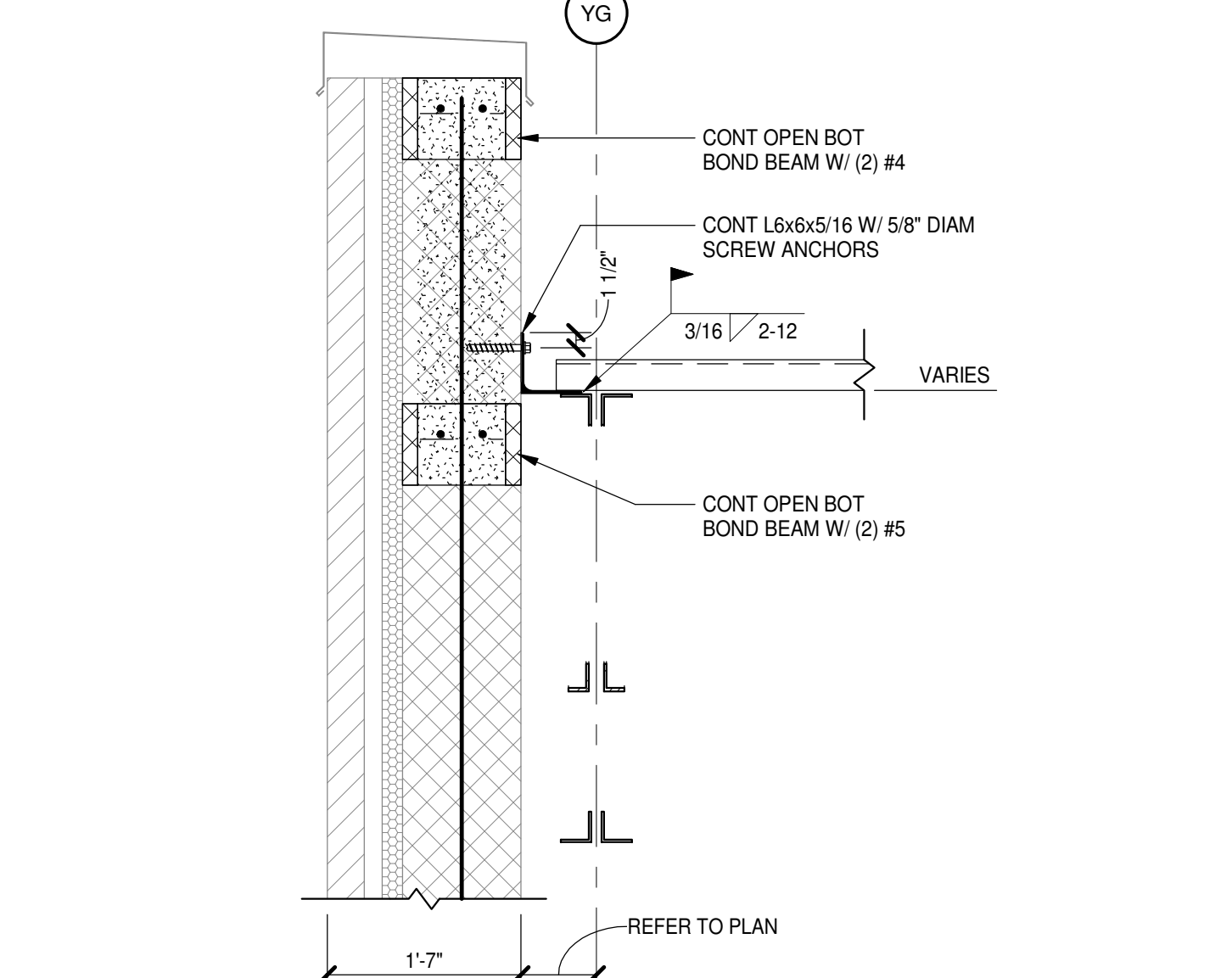
1 SECTION
S2.2.1 | S4.1.4
3/4" = 1'-0"



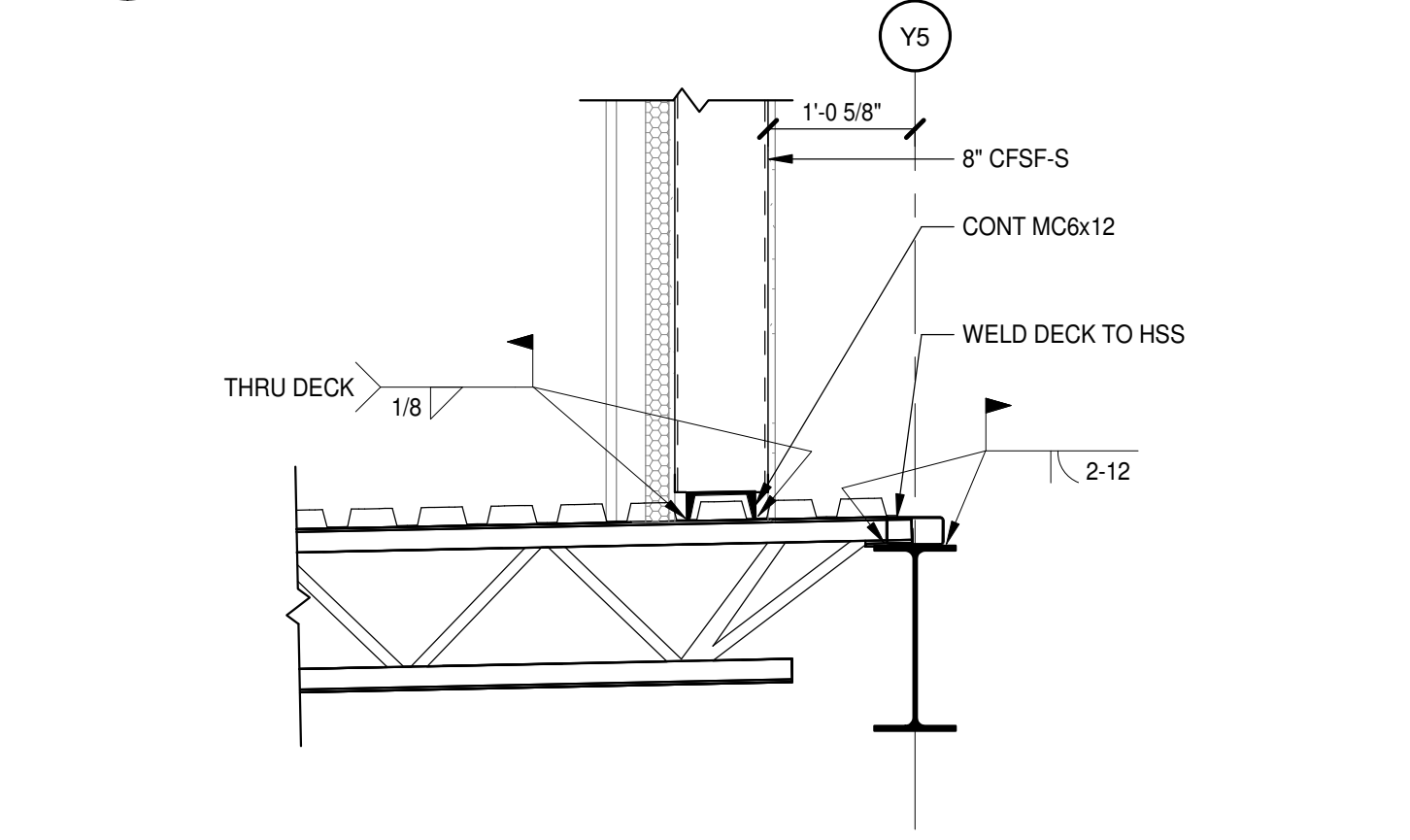
8 SECTION
S2.1.1 | S4.1.4
3/4" = 1'-0"



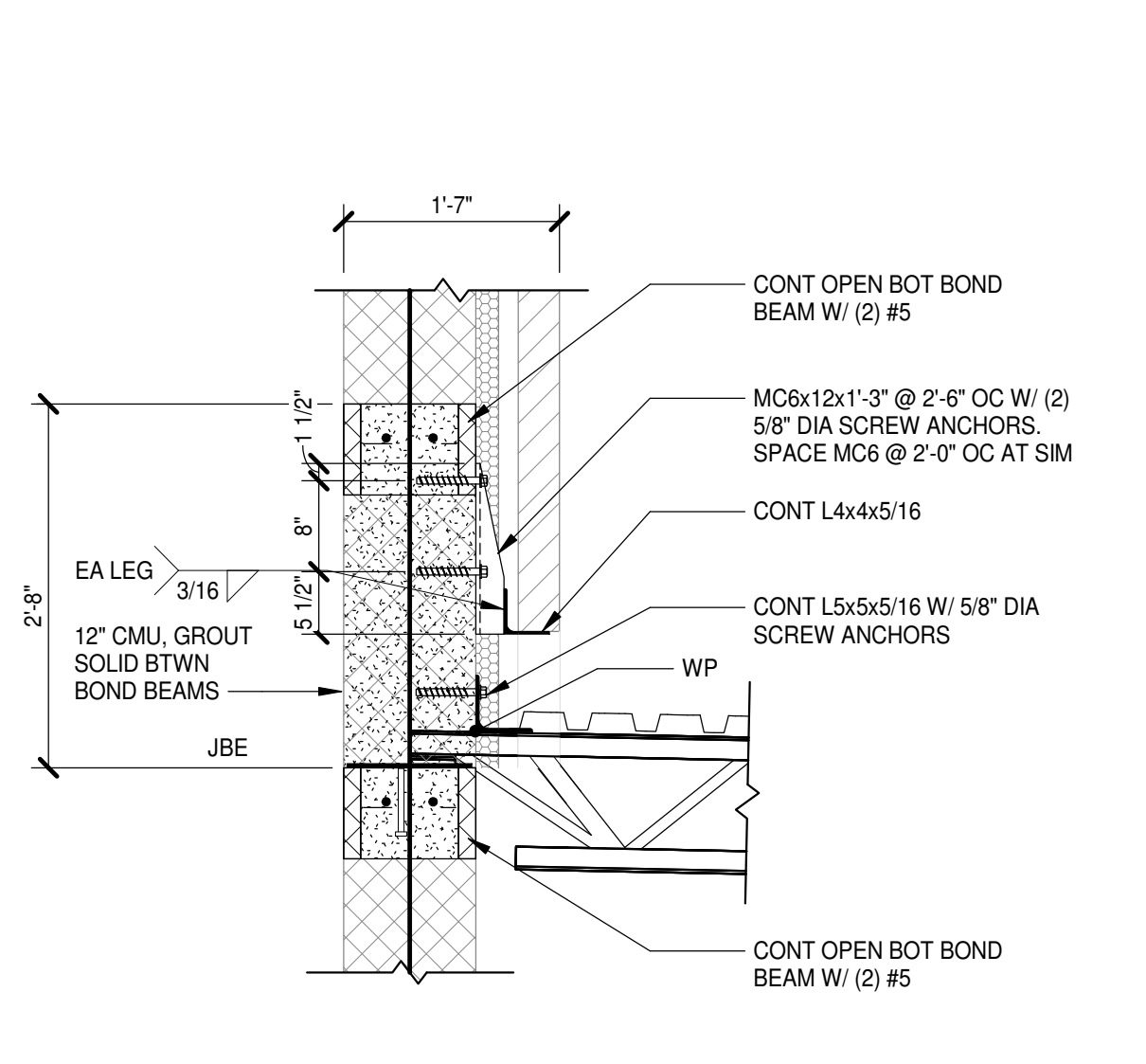
7 SECTION
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3/4" = 1'-0"



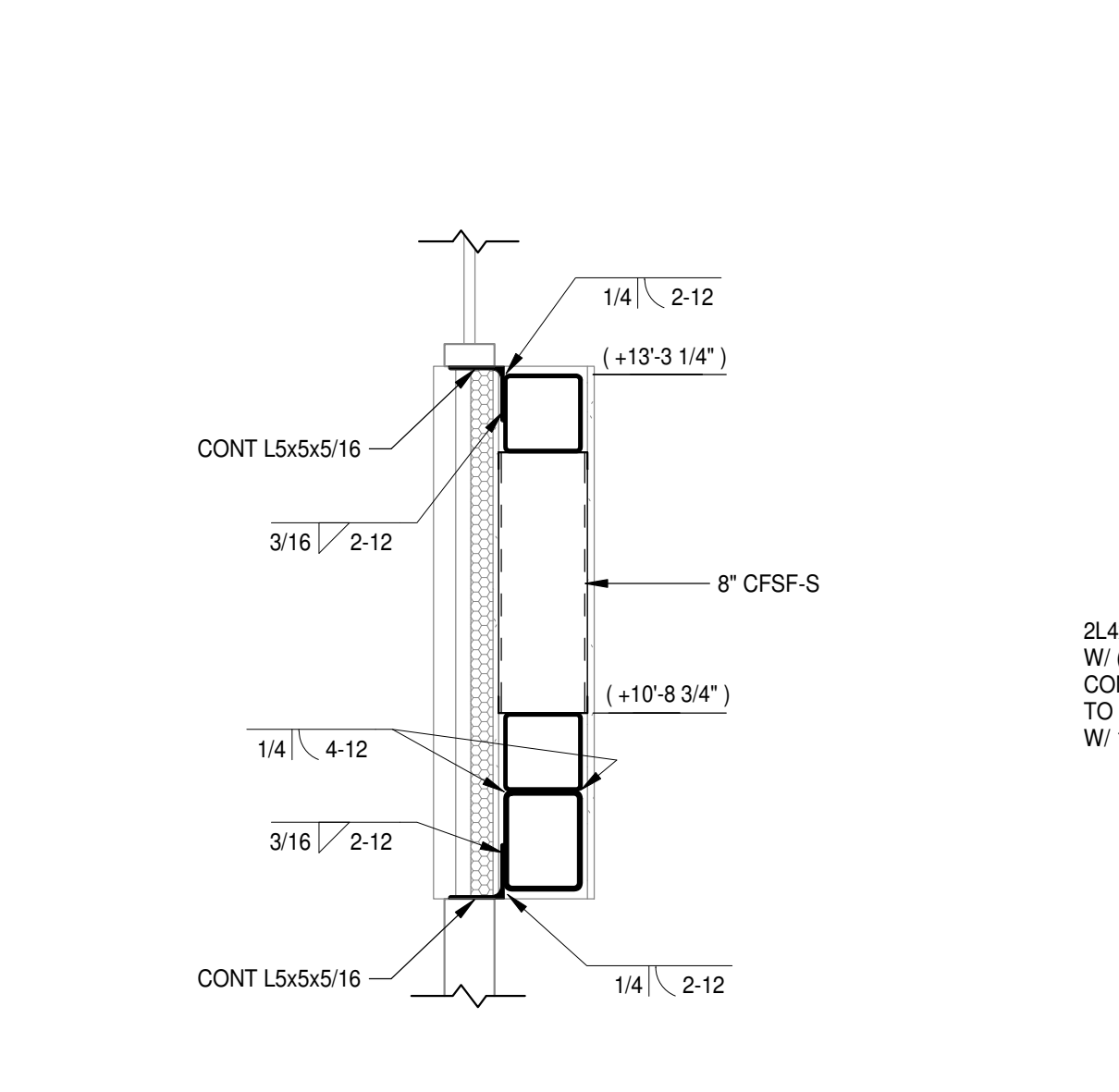
6 SECTION
S2.2.2 | S4.1.4
3/4" = 1'-0"



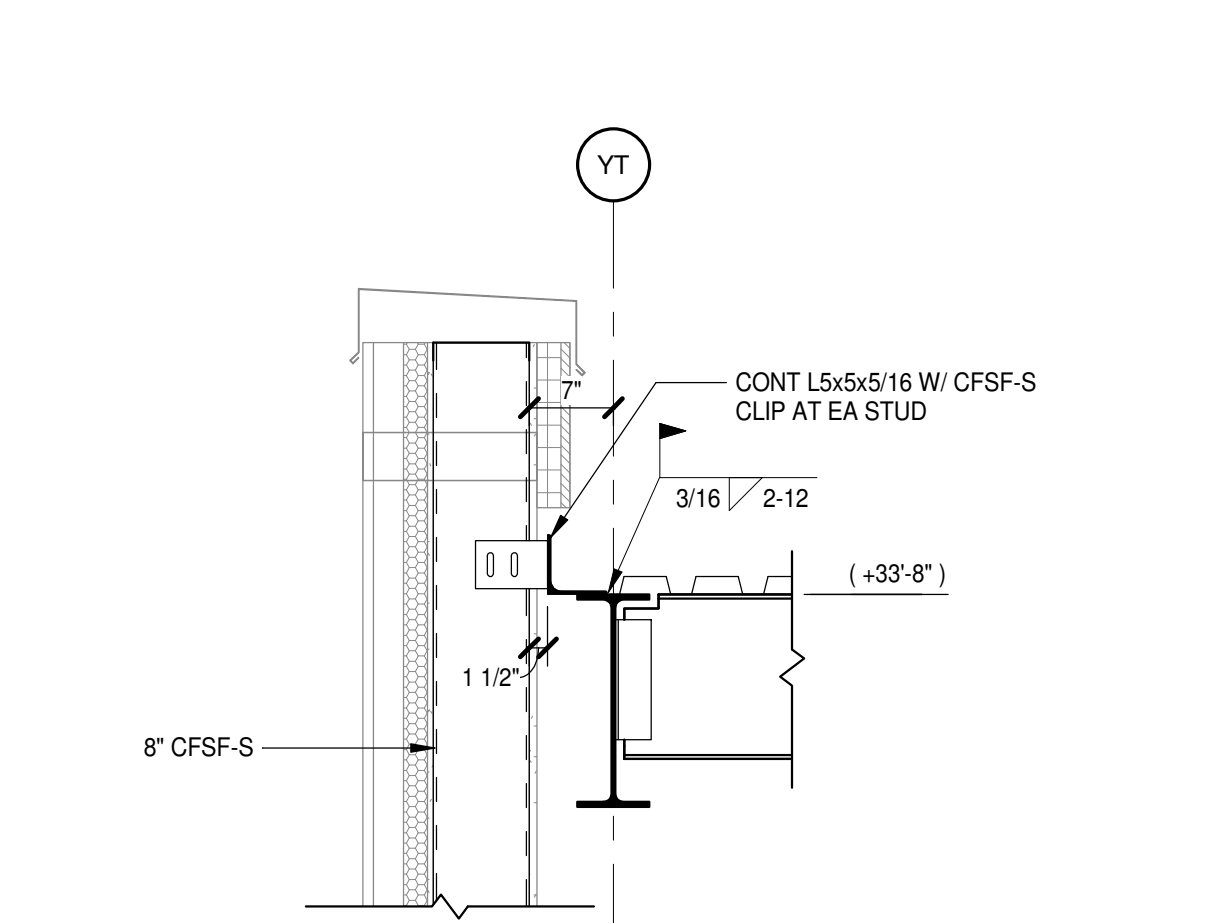
5 SECTION
S2.2.1 | S4.1.4
3/4" = 1'-0"



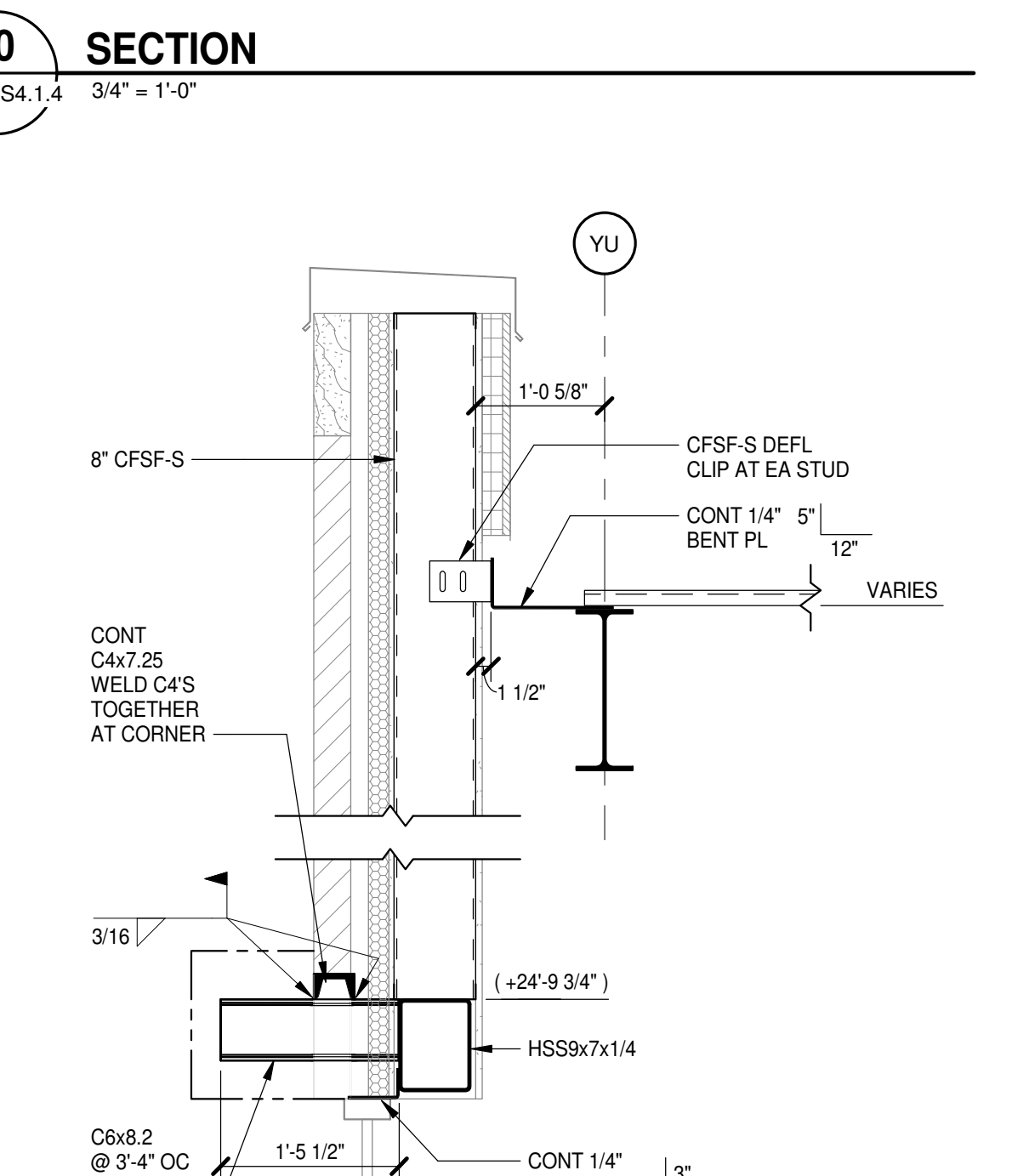
12 SECTION
S2.1.1 | S4.1.4
3/4" = 1'-0"



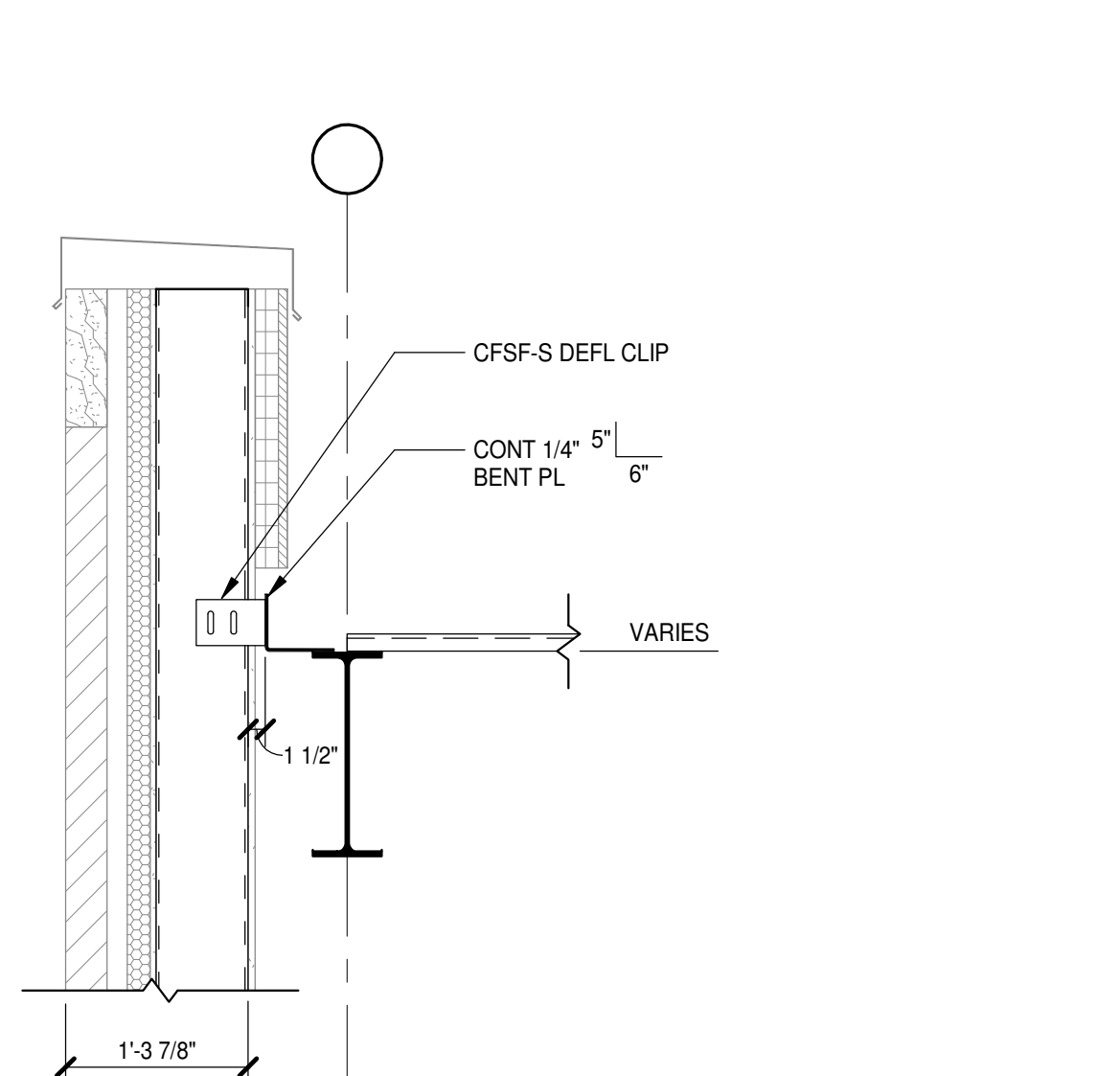
11 SECTION
S2.1.6 | S4.1.4
3/4" = 1'-0"



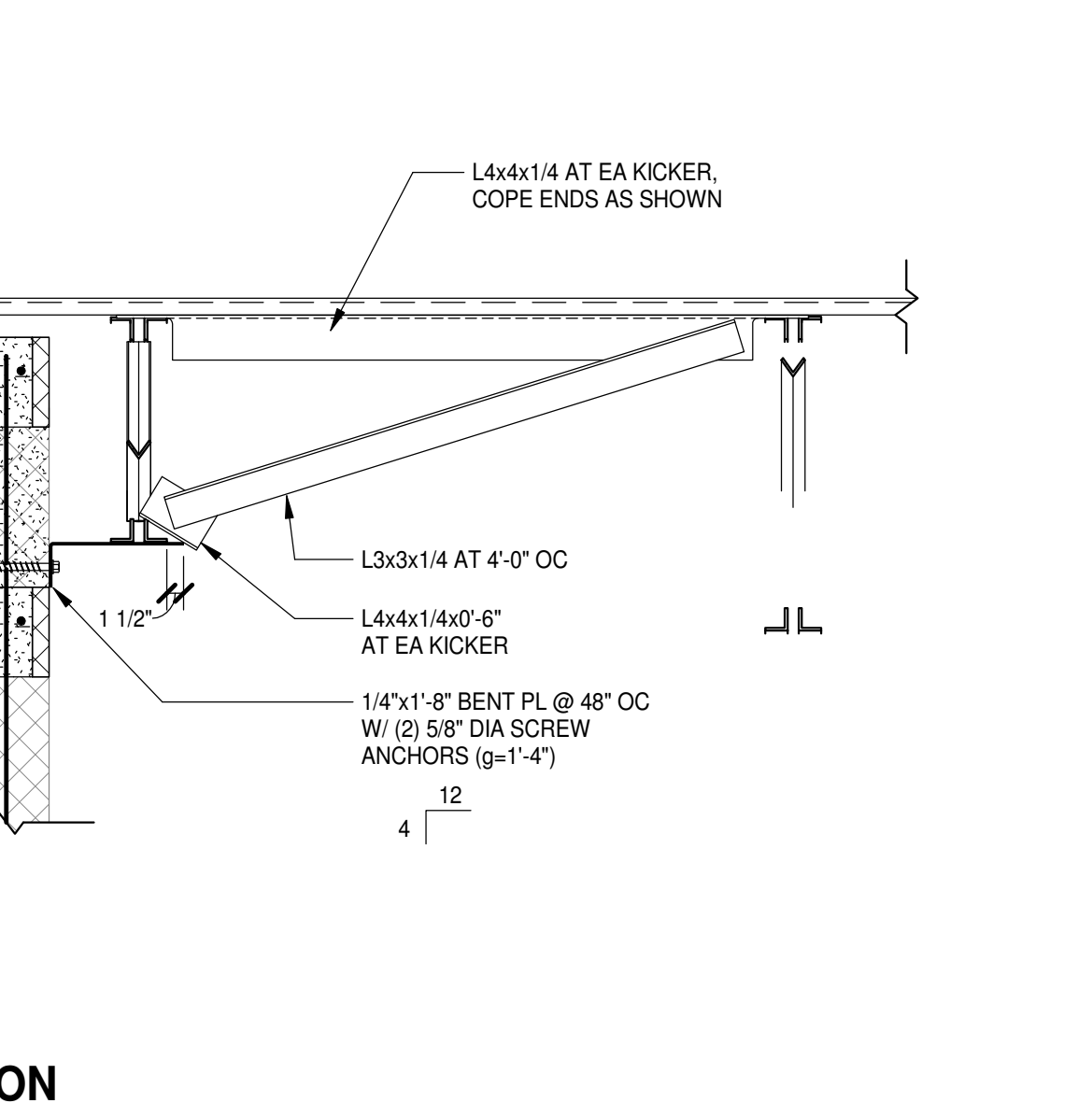
10 SECTION
S2.2.1 | S4.1.4
3/4" = 1'-0"



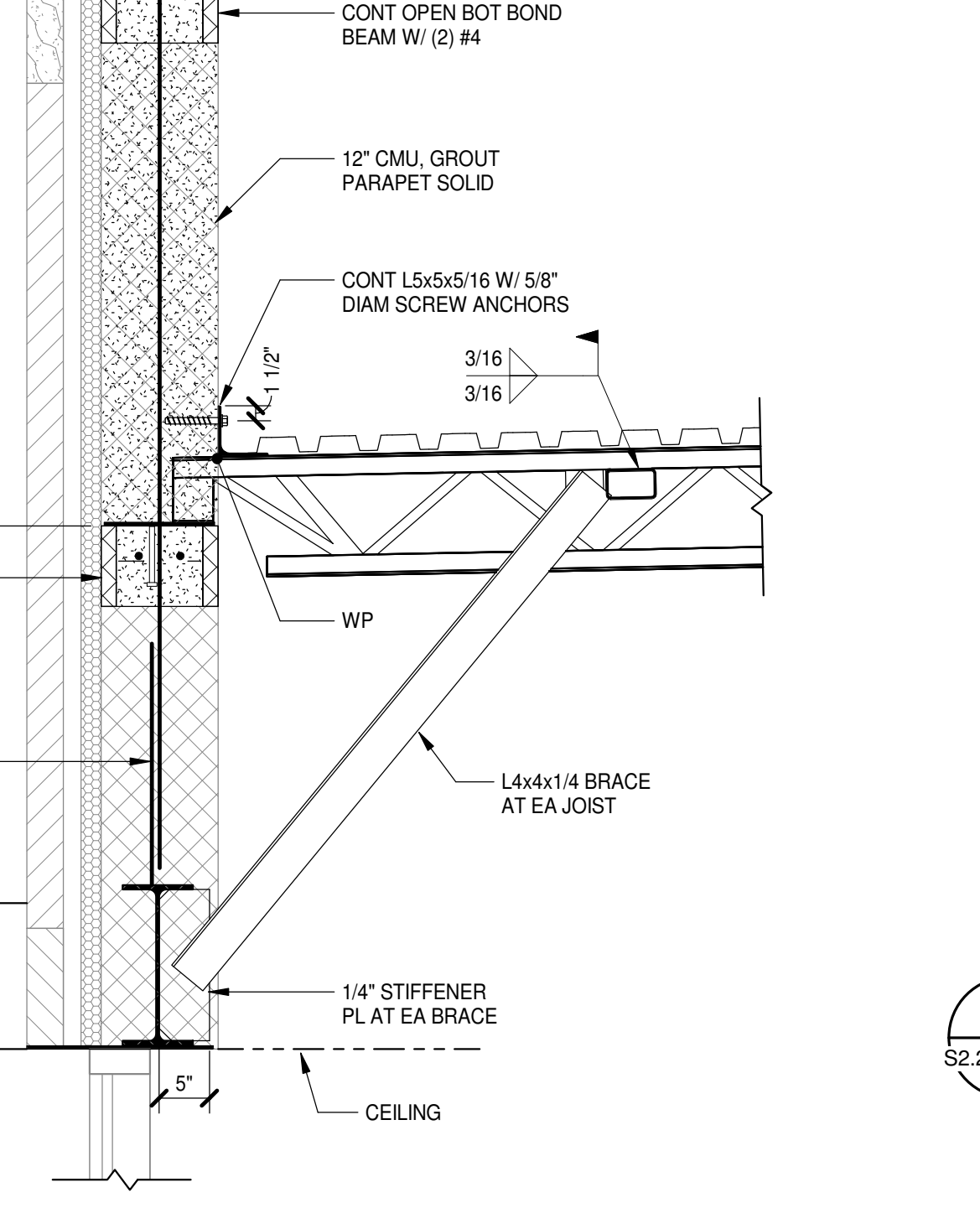
9 SECTION
S2.2.1 | S4.1.4
3/4" = 1'-0"



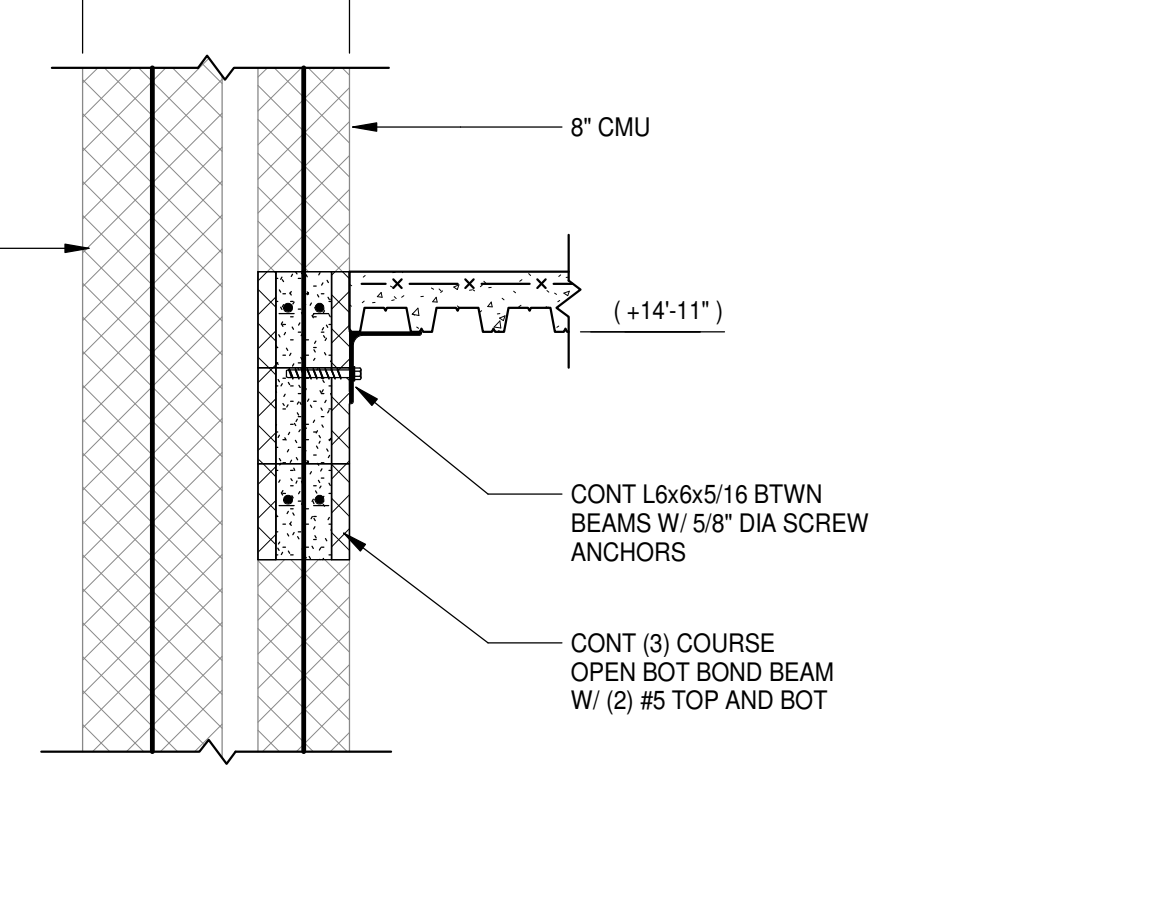
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S2.2.4 | S4.1.4
3/4" = 1'-0"



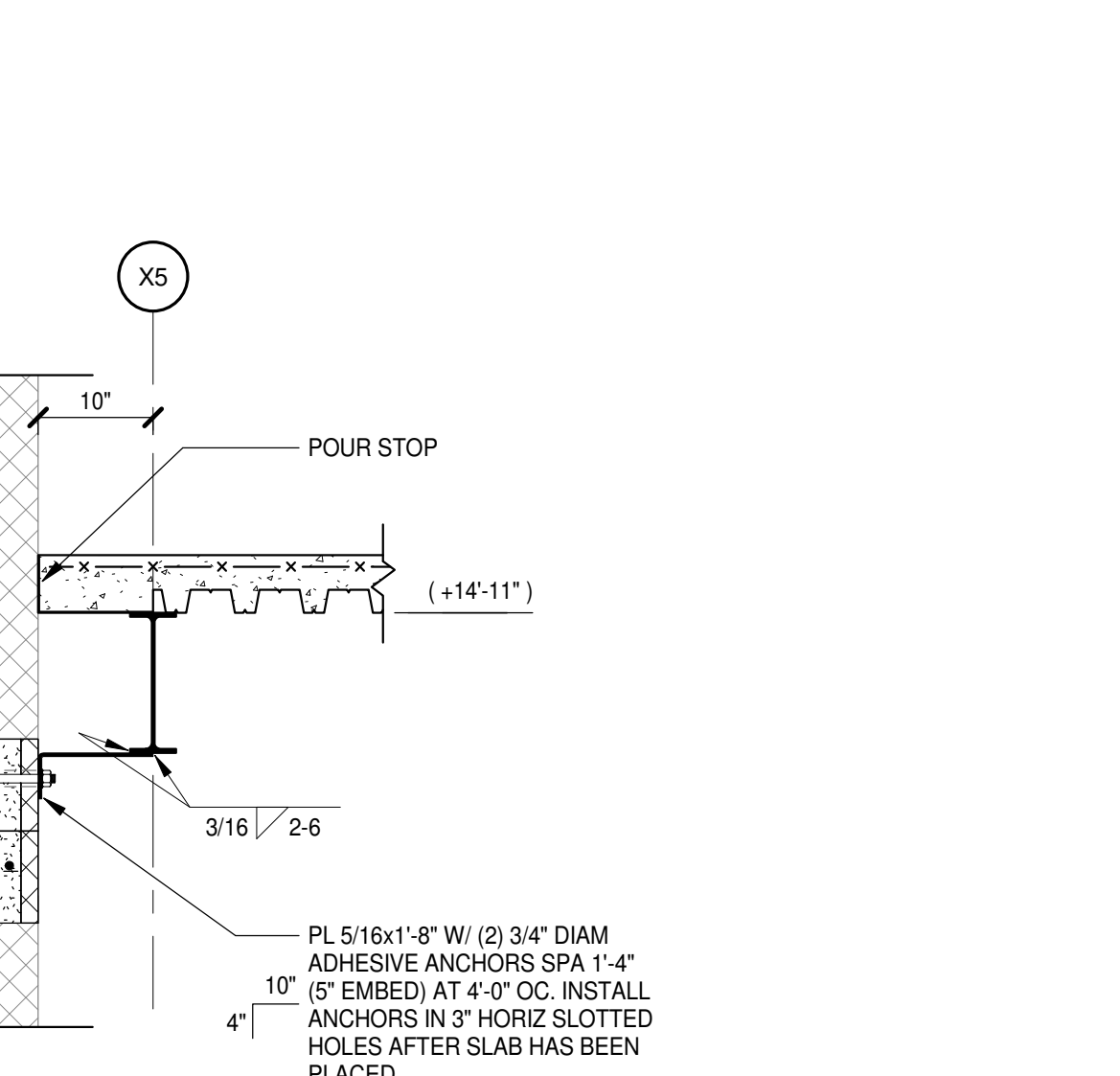
15 SECTION
S2.2.3 | S4.1.4
3/4" = 1'-0"



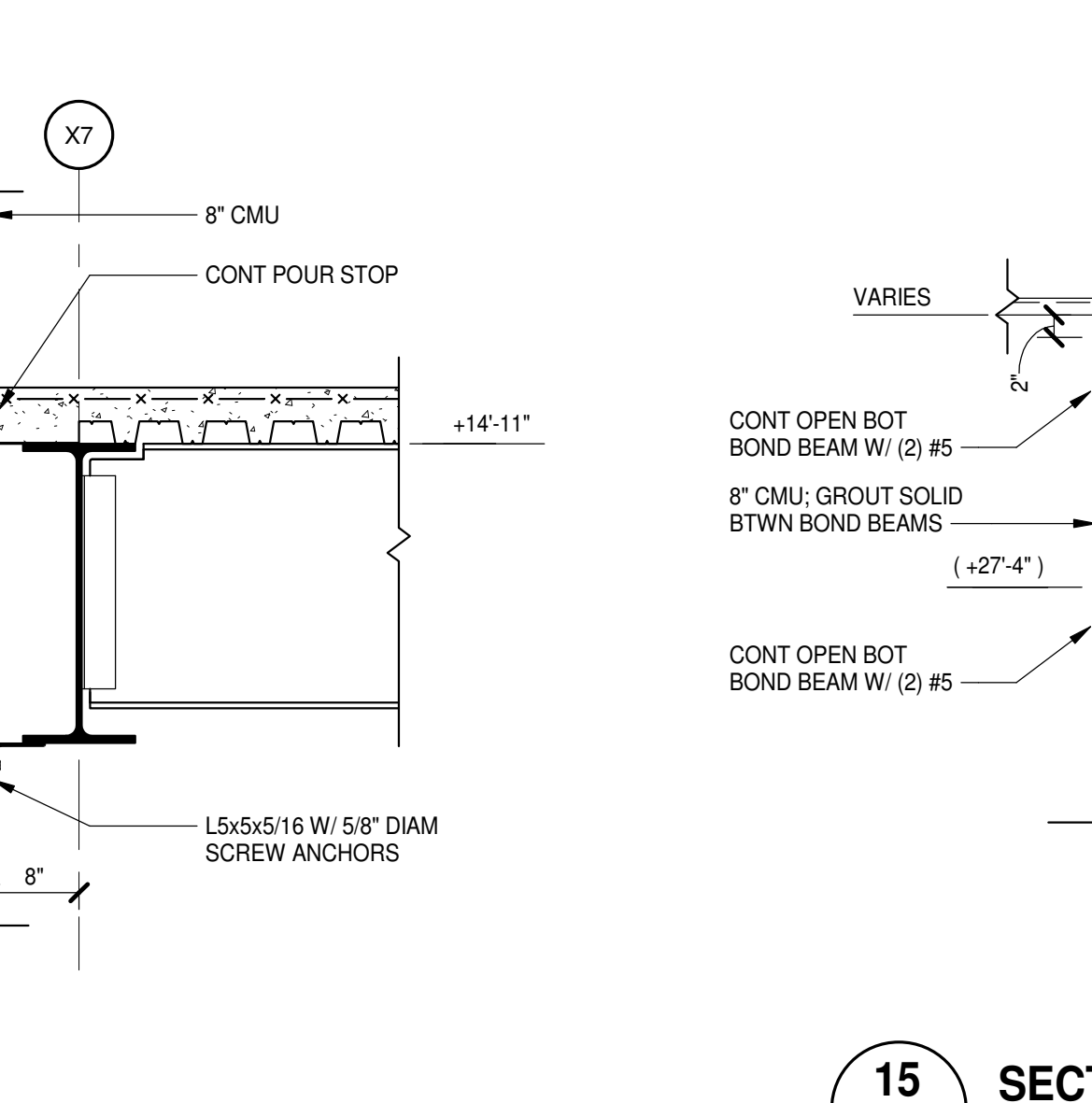
14 SECTION
S2.1.1 | S4.1.4
3/4" = 1'-0"



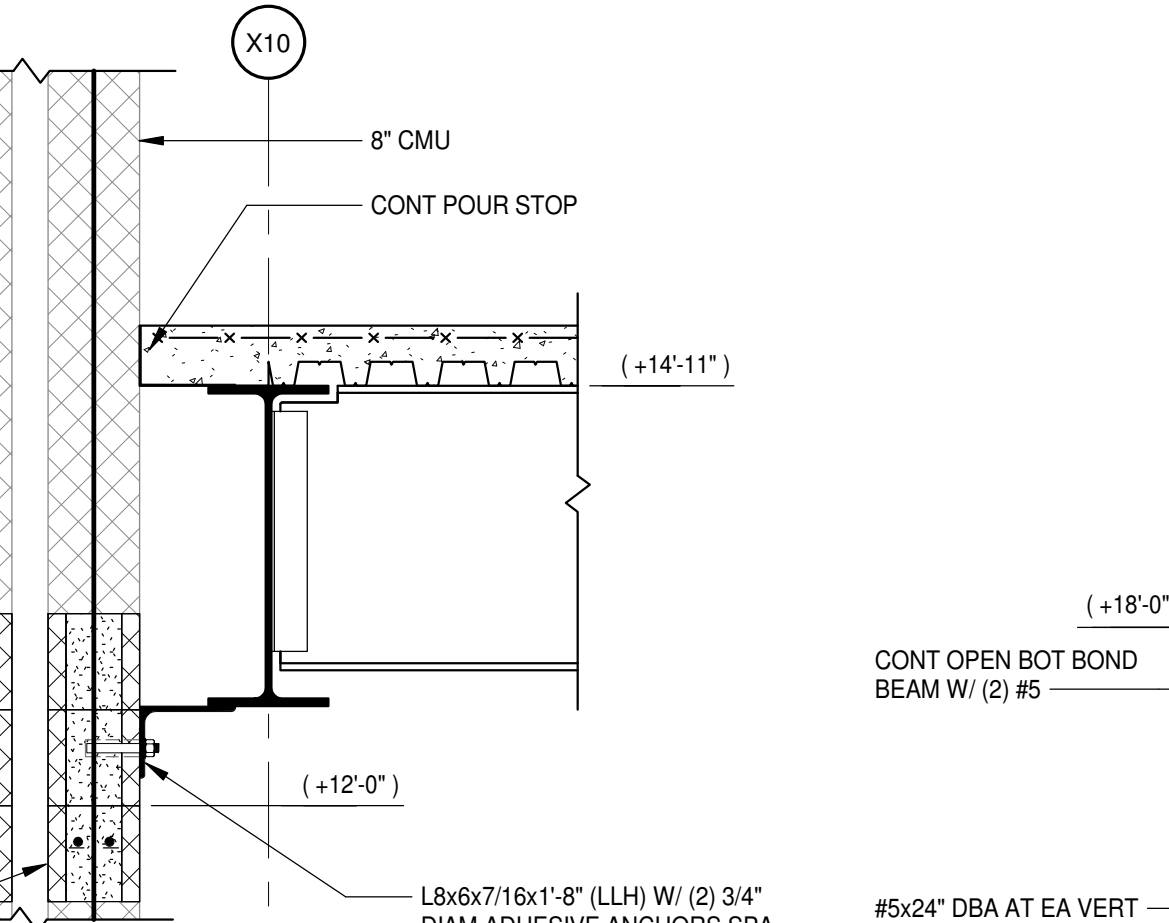
13 SECTION
S2.1.1 | S4.1.4
3/4" = 1'-0"



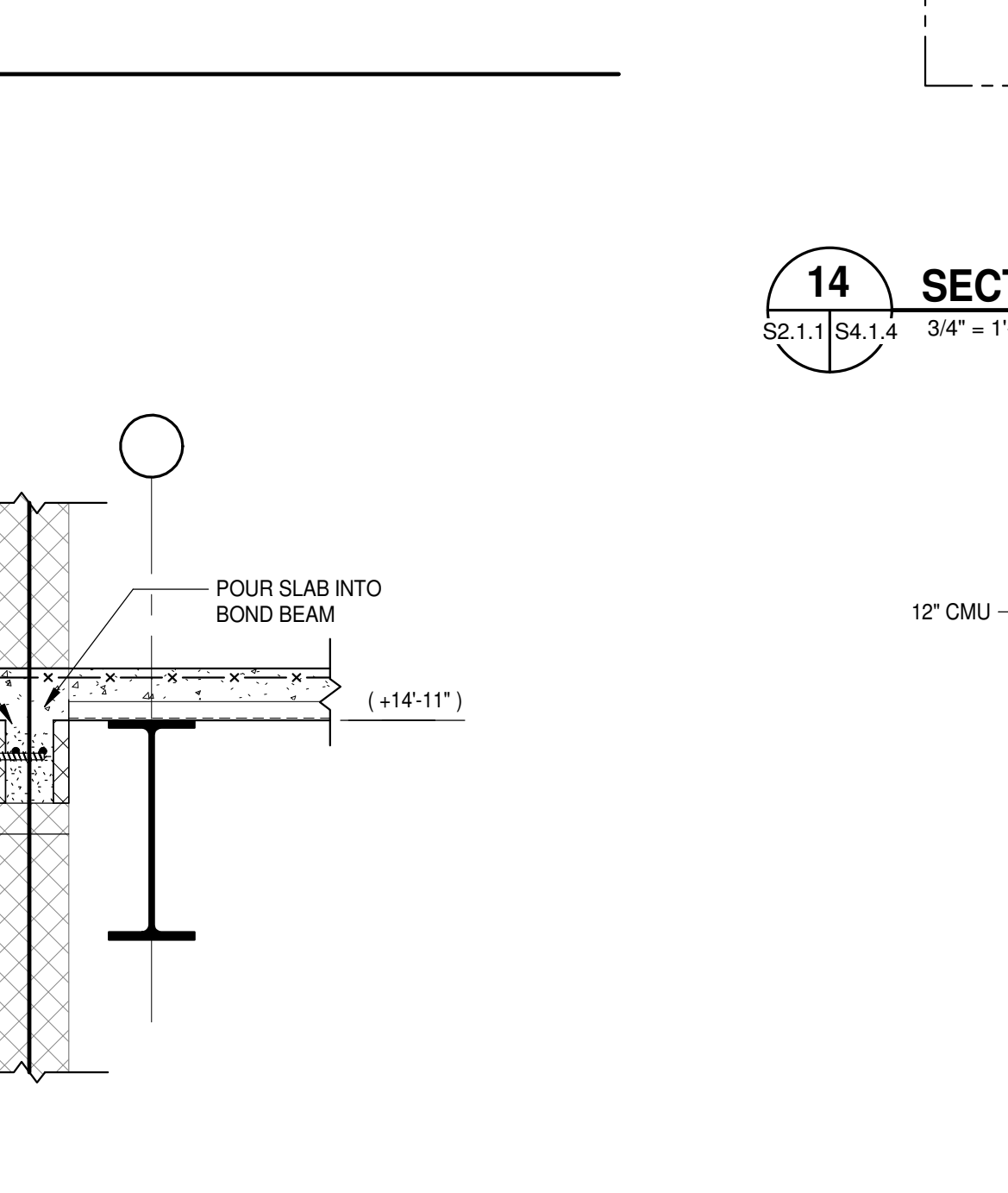
20 SECTION
S2.1.3 | S4.1.4
3/4" = 1'-0"



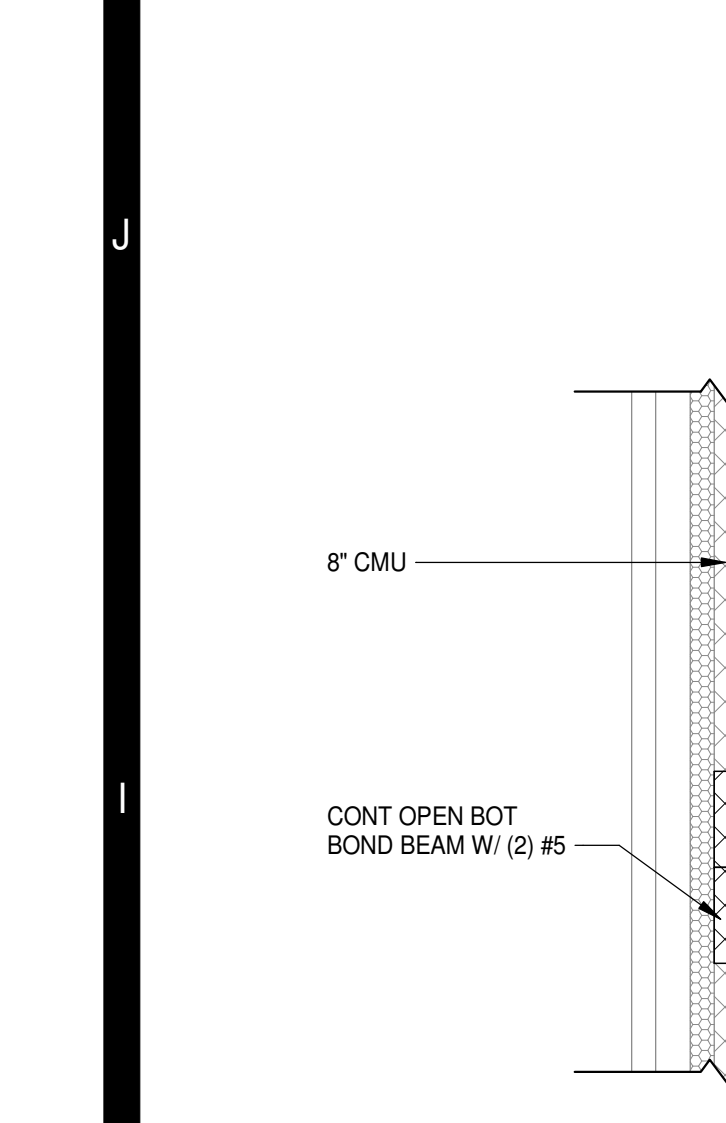
19 SECTION
S2.1.3 | S4.1.4
3/4" = 1'-0"



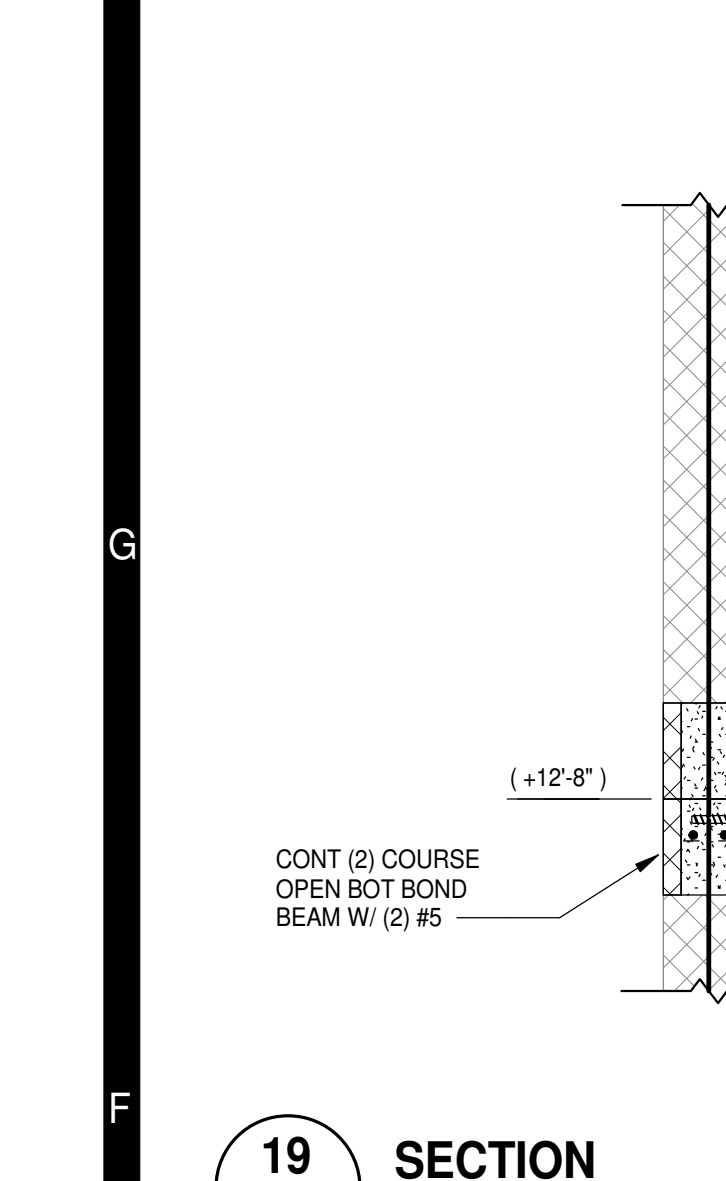
18 SECTION
S2.1.3 | S4.1.4
3/4" = 1'-0"



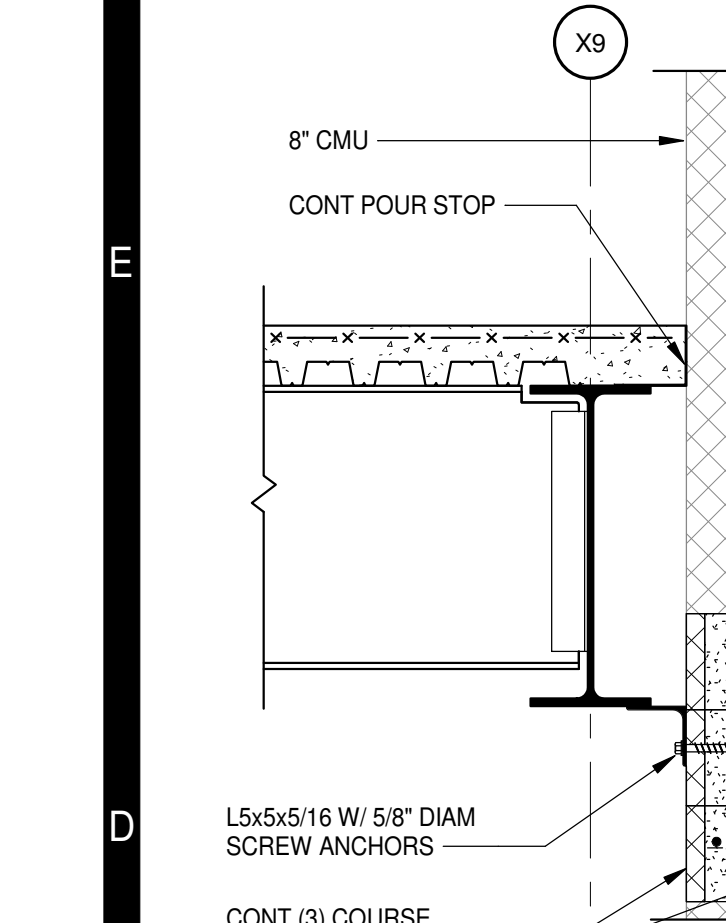
17 SECTION
S2.1.3 | S4.1.4
3/4" = 1'-0"



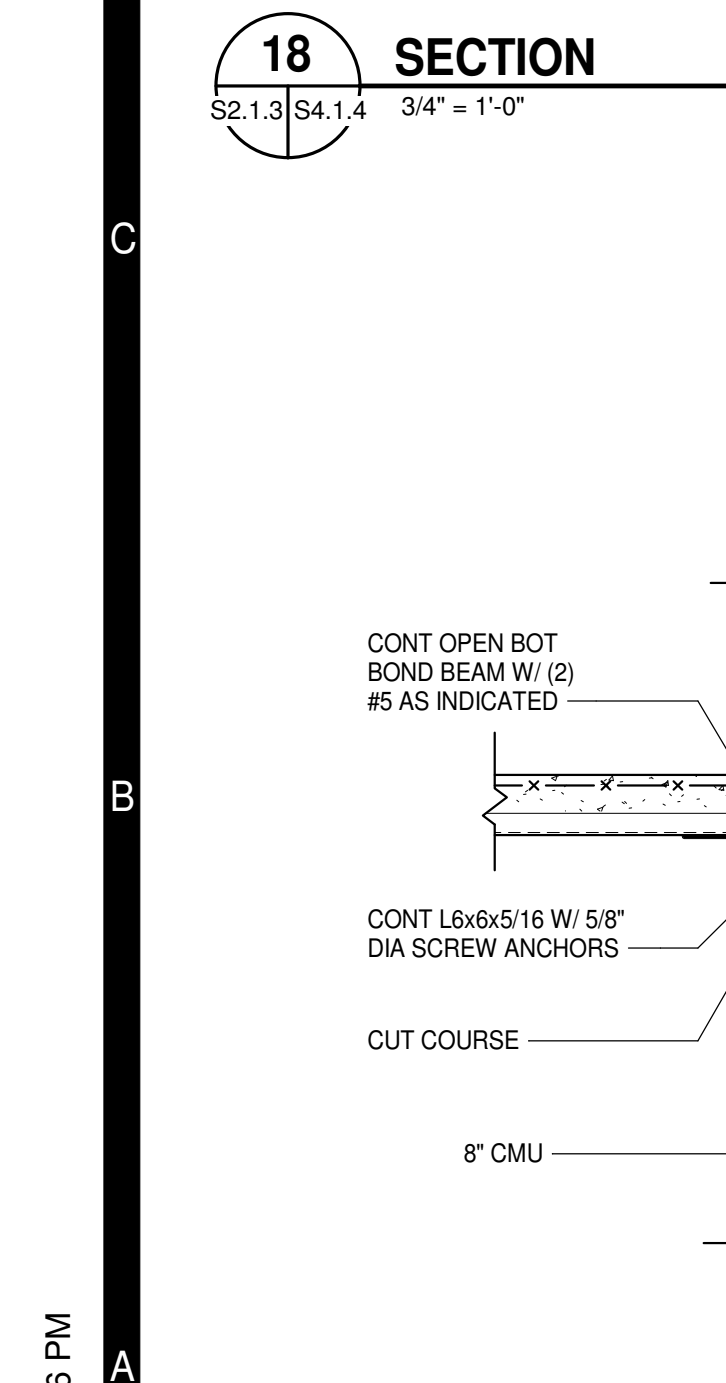
20 SECTION
S2.1.3 | S4.1.4
3/4" = 1'-0"



19 SECTION
S2.1.3 | S4.1.4
3/4" = 1'-0"



18 SECTION
S2.1.3 | S4.1.4
3/4" = 1'-0"



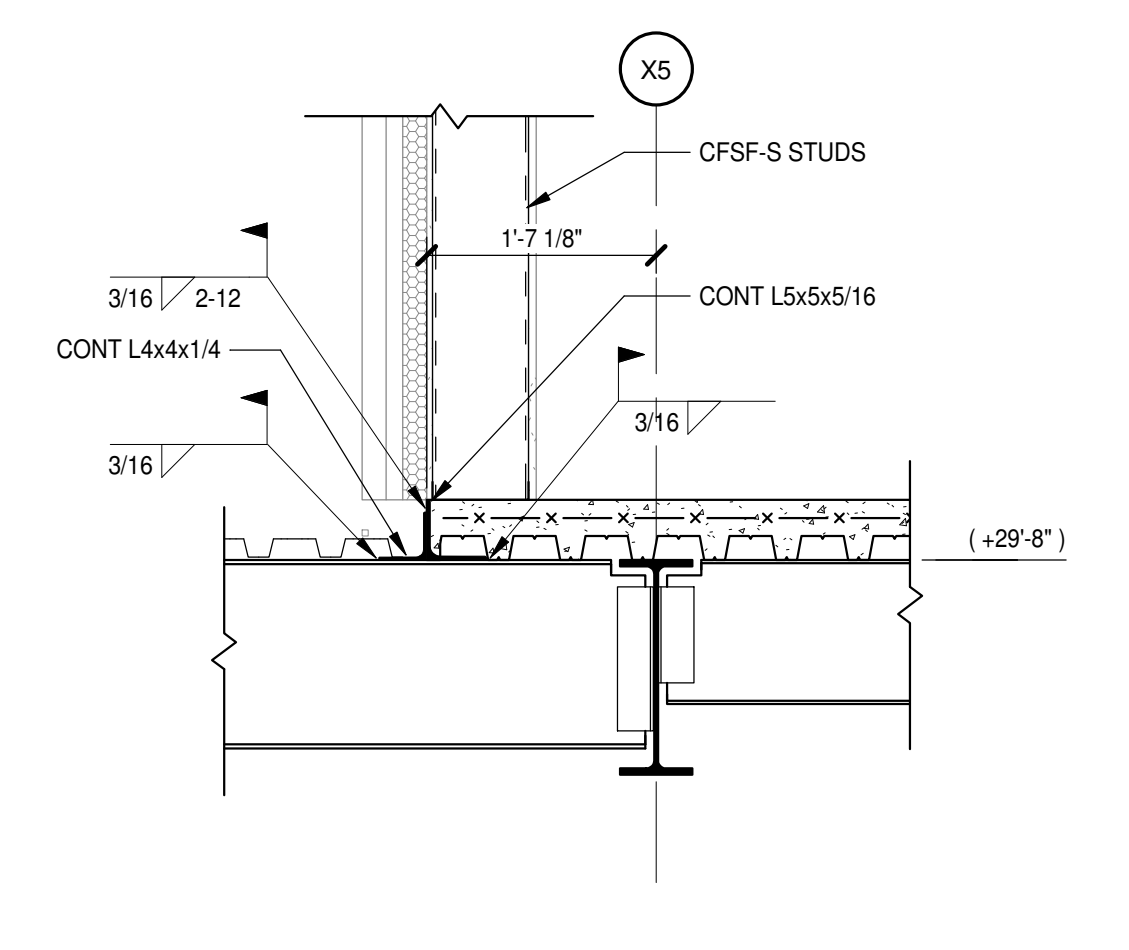
17 SECTION
S2.1.3 | S4.1.4
3/4" = 1'-0"



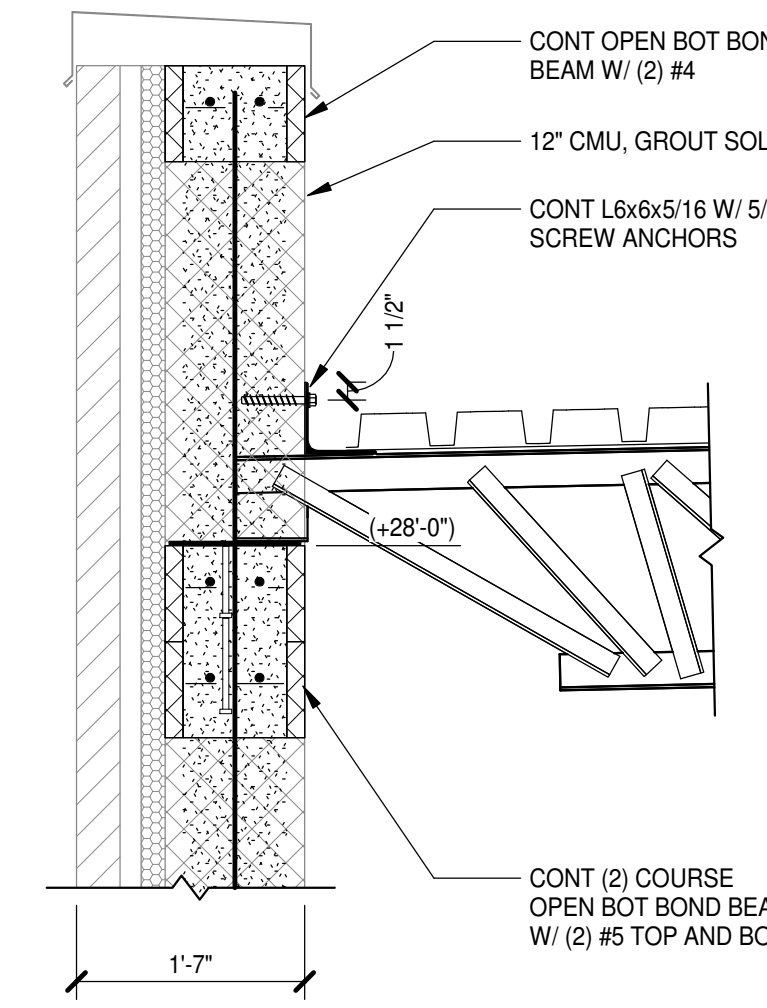
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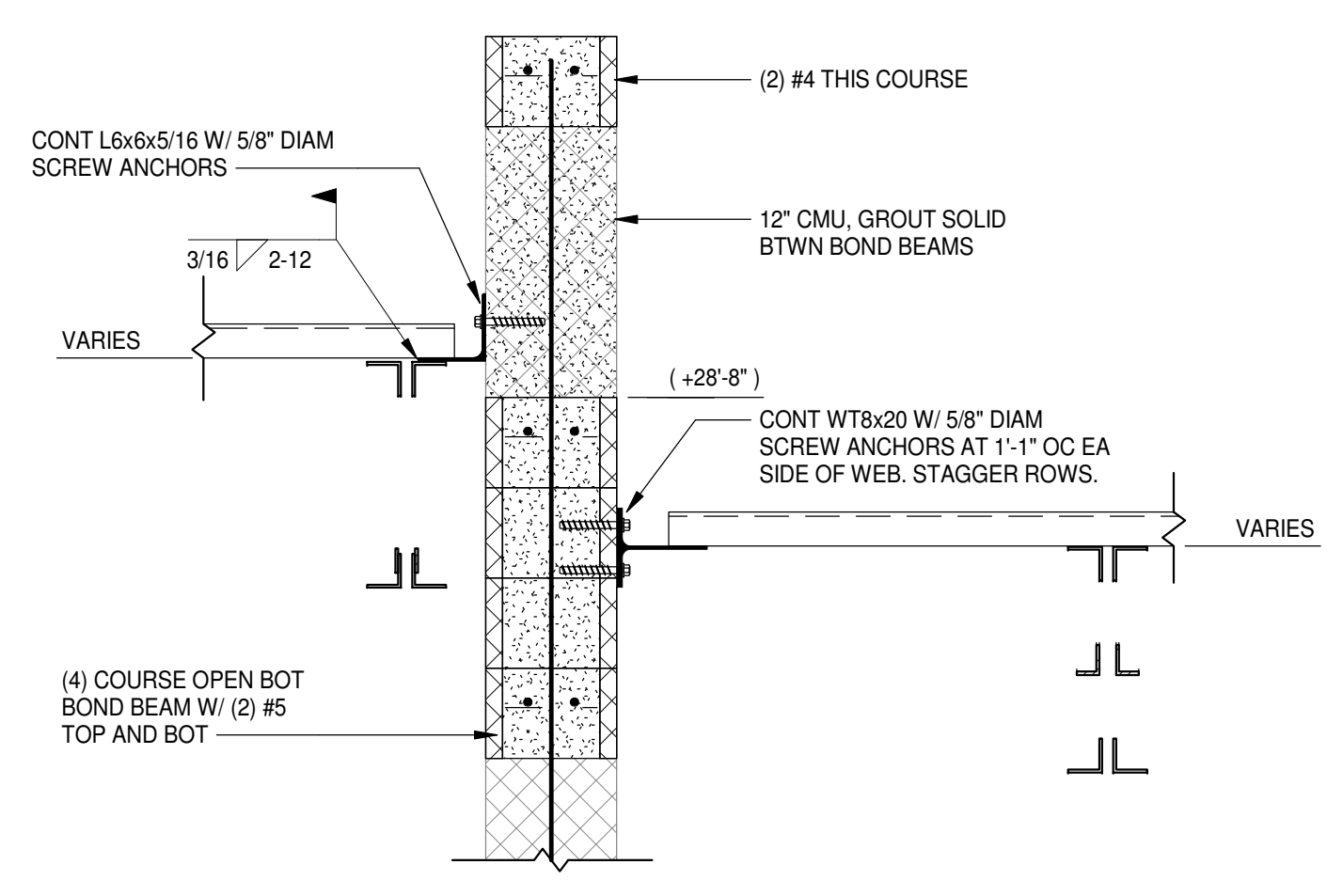
J
H
G
F
E
D
C
B
A



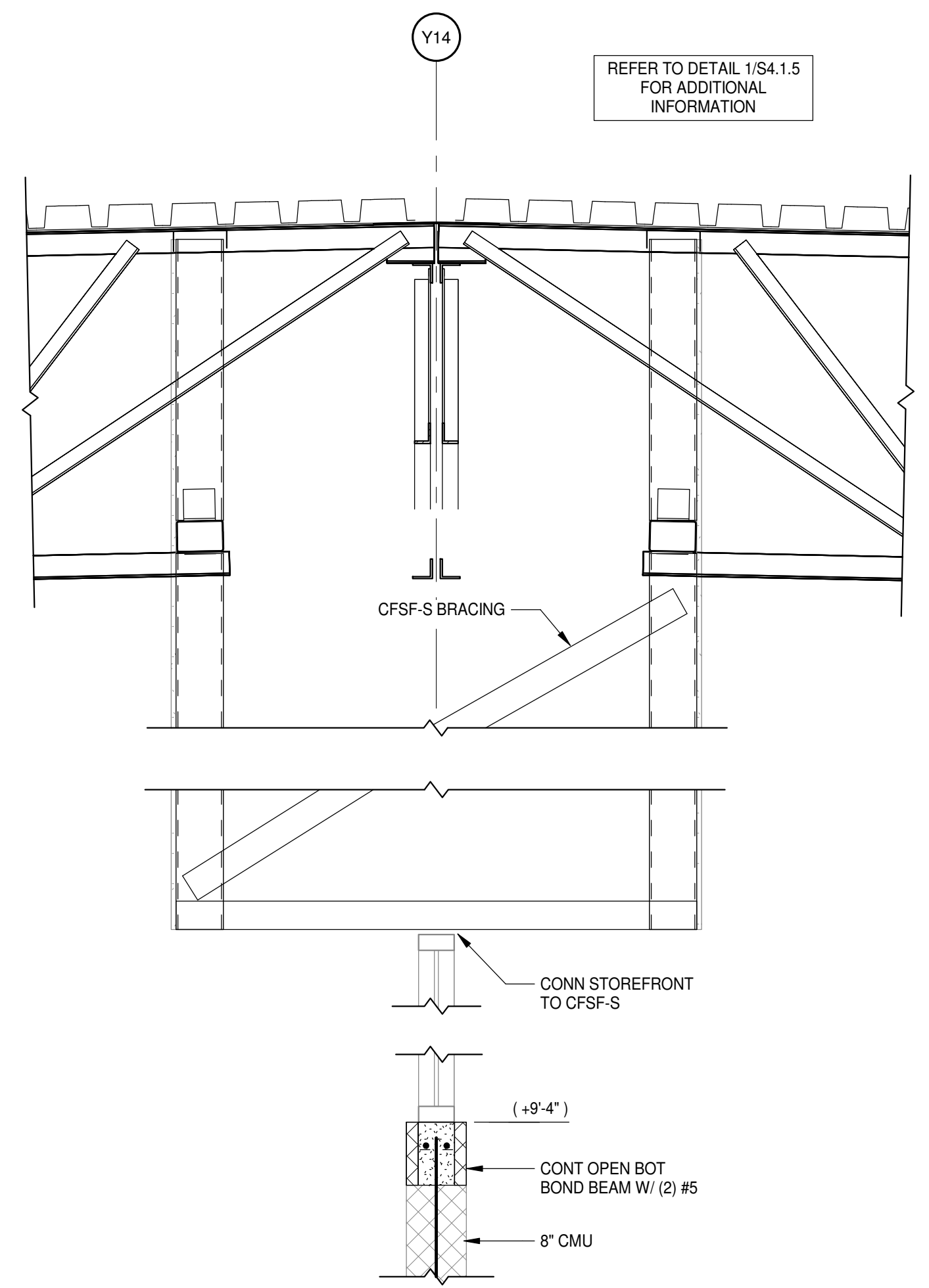
14 SECTION
S2.2.3 | S4.1.5 3/4" = 1'-0"



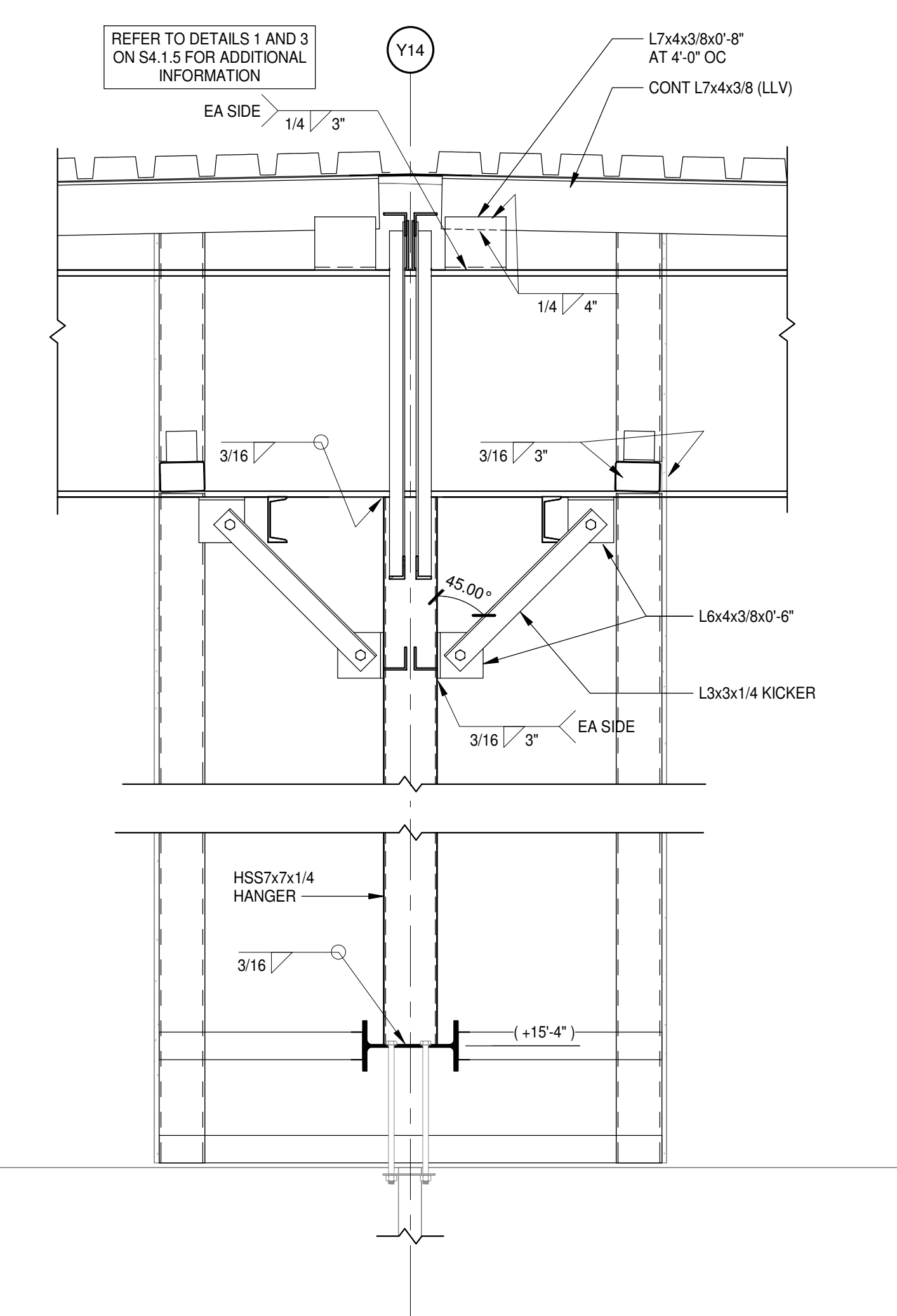
10 SECTION
S2.2.1 | S4.1.5 3/4" = 1'-0"



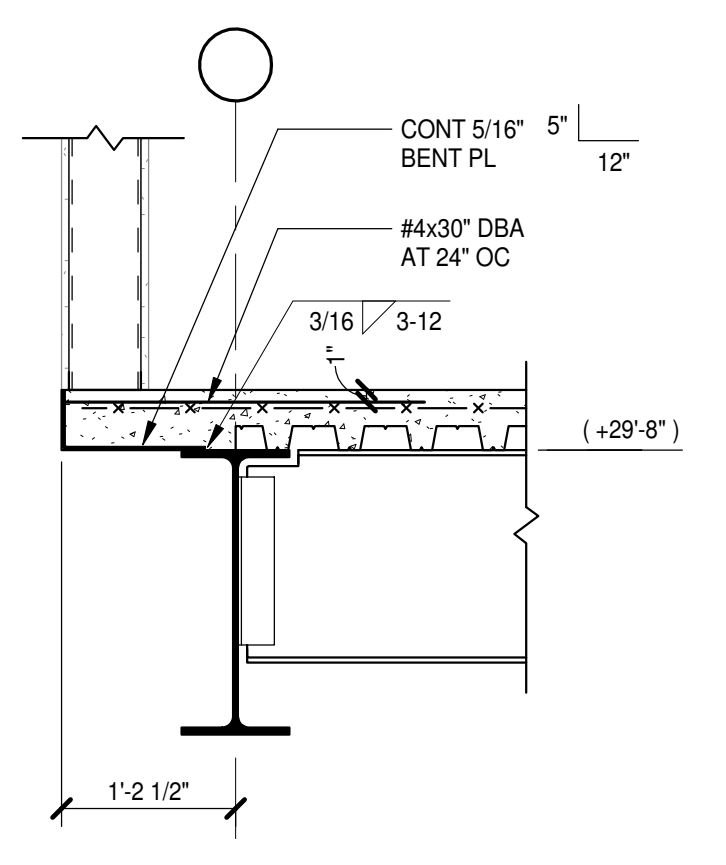
6 SECTION
S2.2.1 | S4.1.5 3/4" = 1'-0"



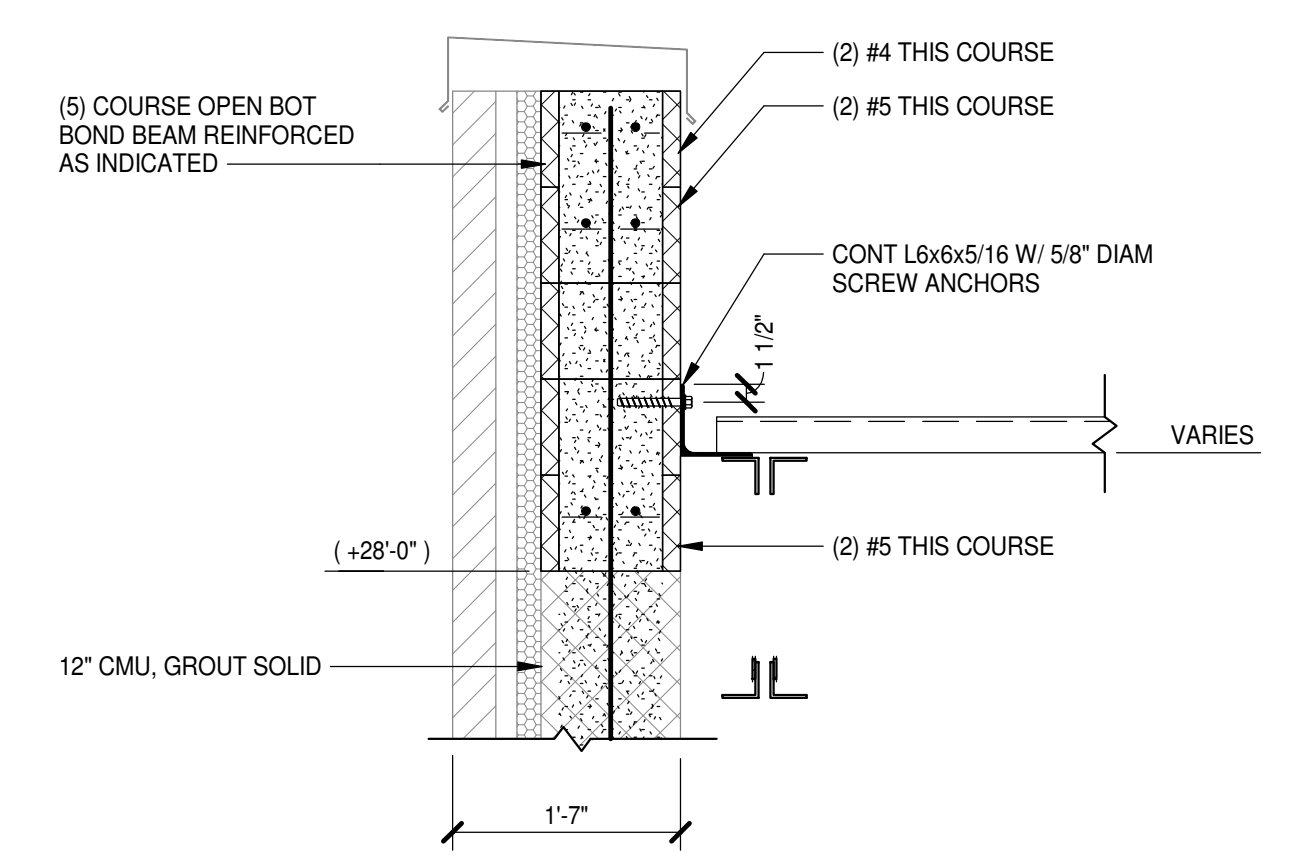
4 SECTION
S2.1.2 | S4.1.5 3/4" = 1'-0"



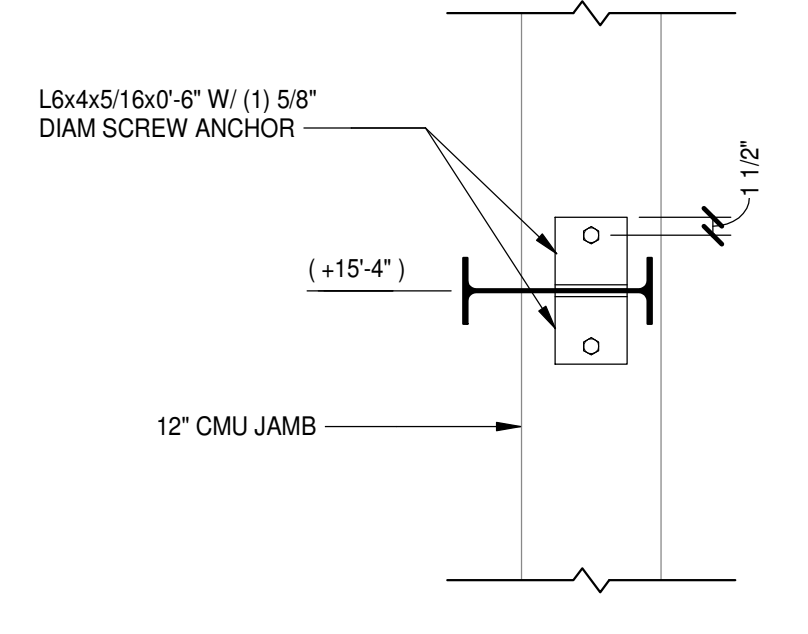
2 SECTION
S2.1.1 | S4.1.5 3/4" = 1'-0"



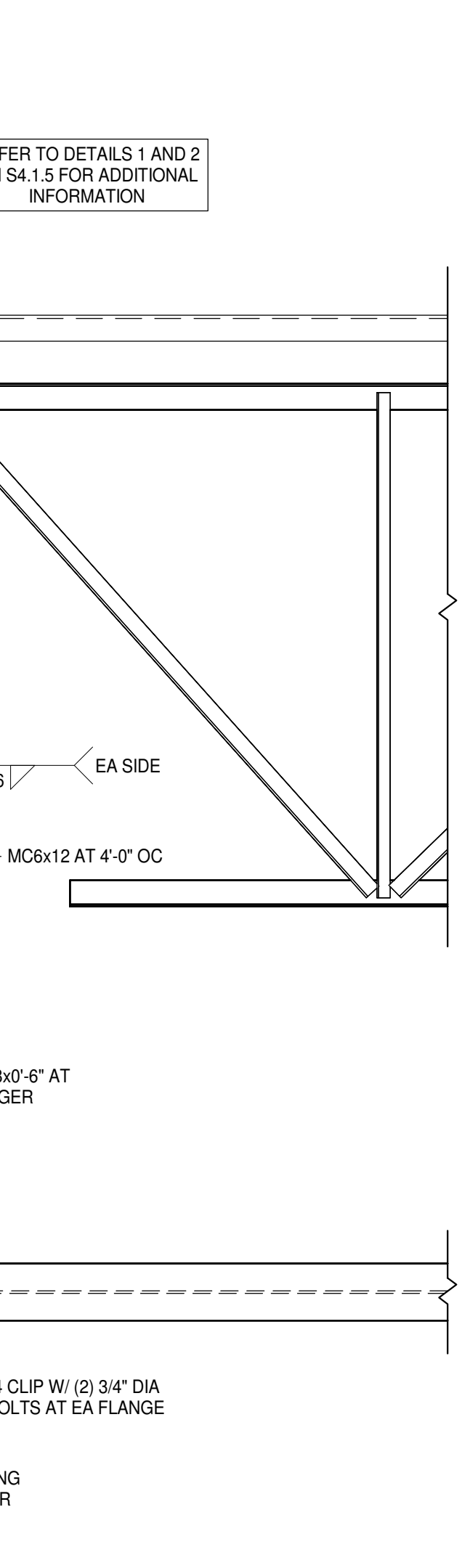
13 SECTION
S2.2.1 | S4.1.5 3/4" = 1'-0"



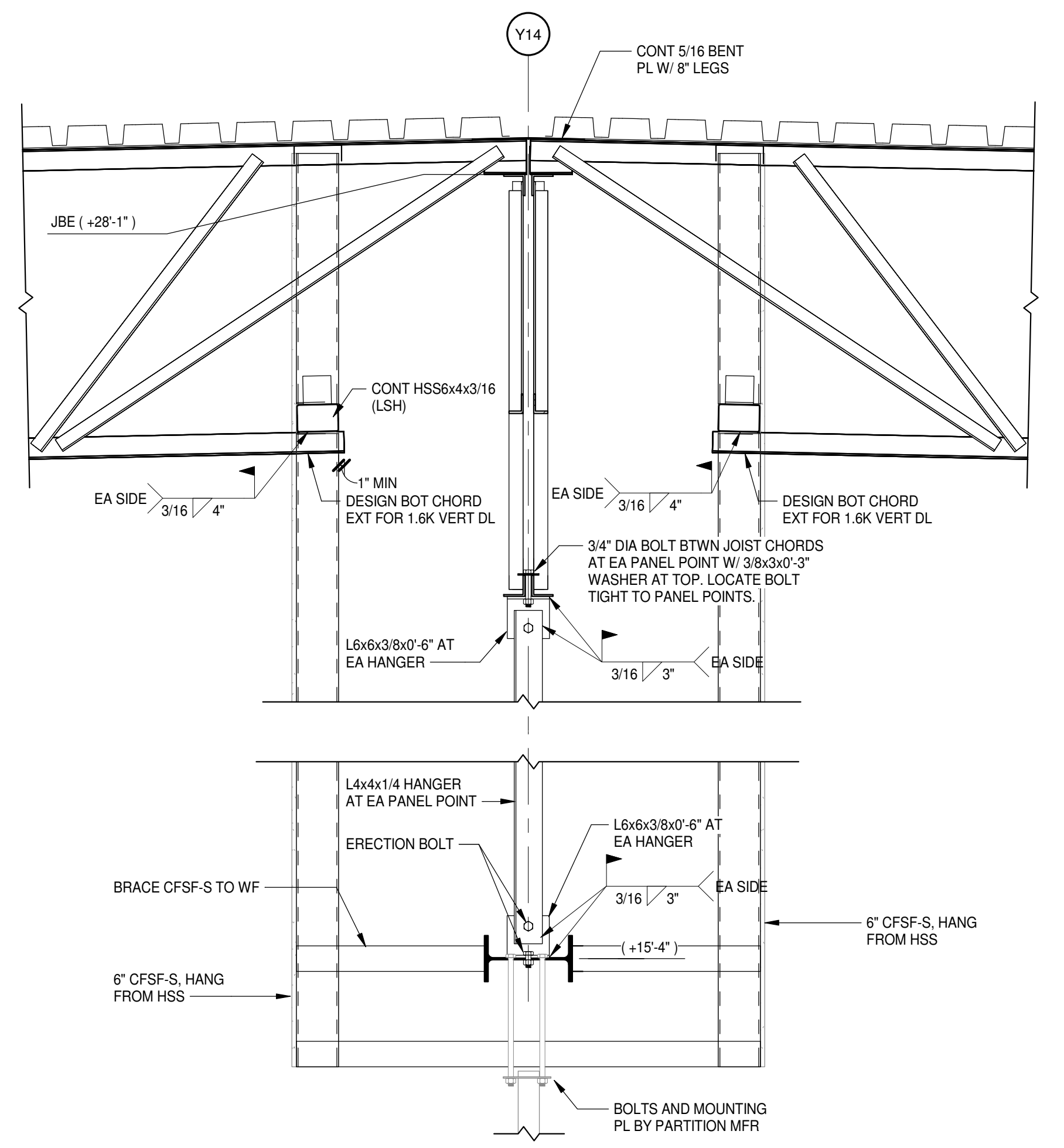
9 SECTION
S2.2.1 | S4.1.5 3/4" = 1'-0"



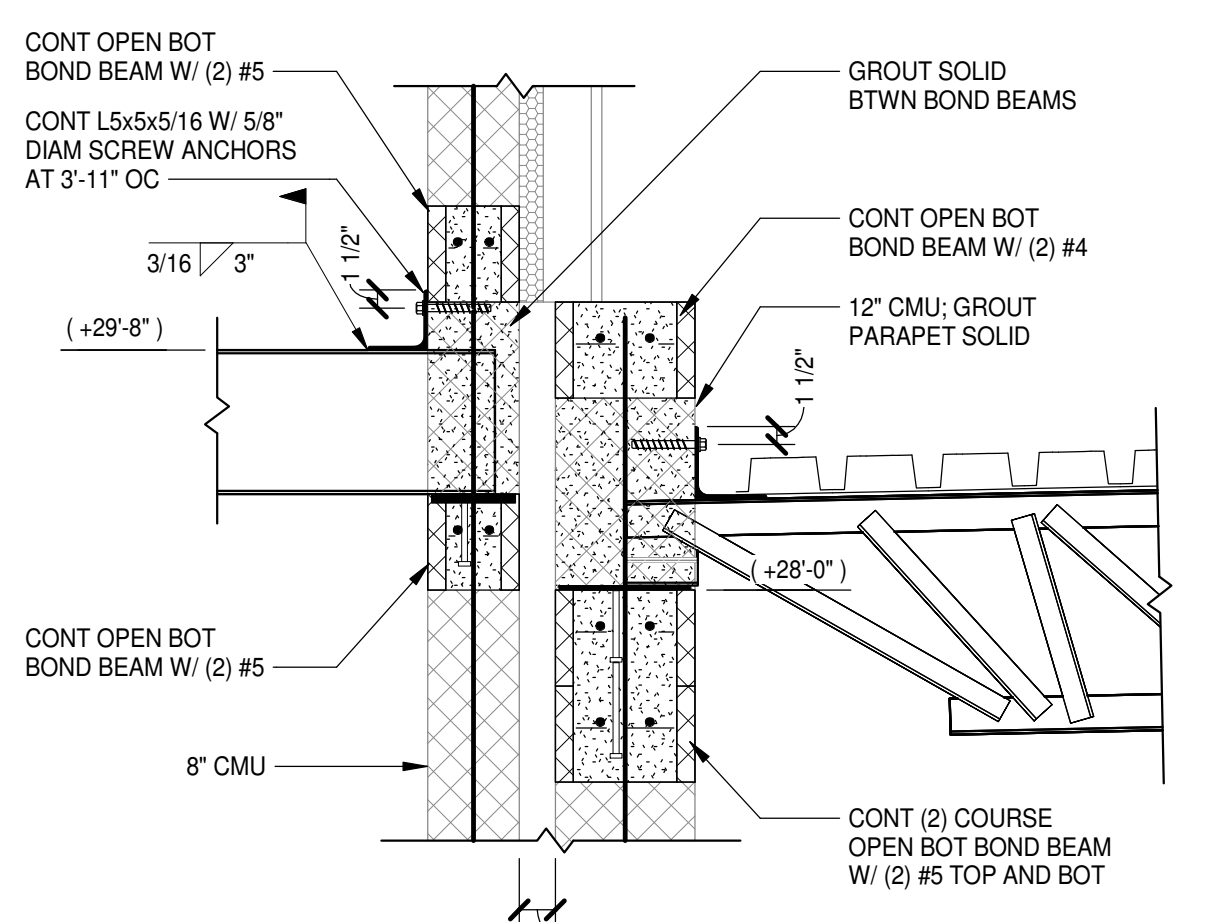
5 SECTION
S2.1.1 | S4.1.5 3/4" = 1'-0"



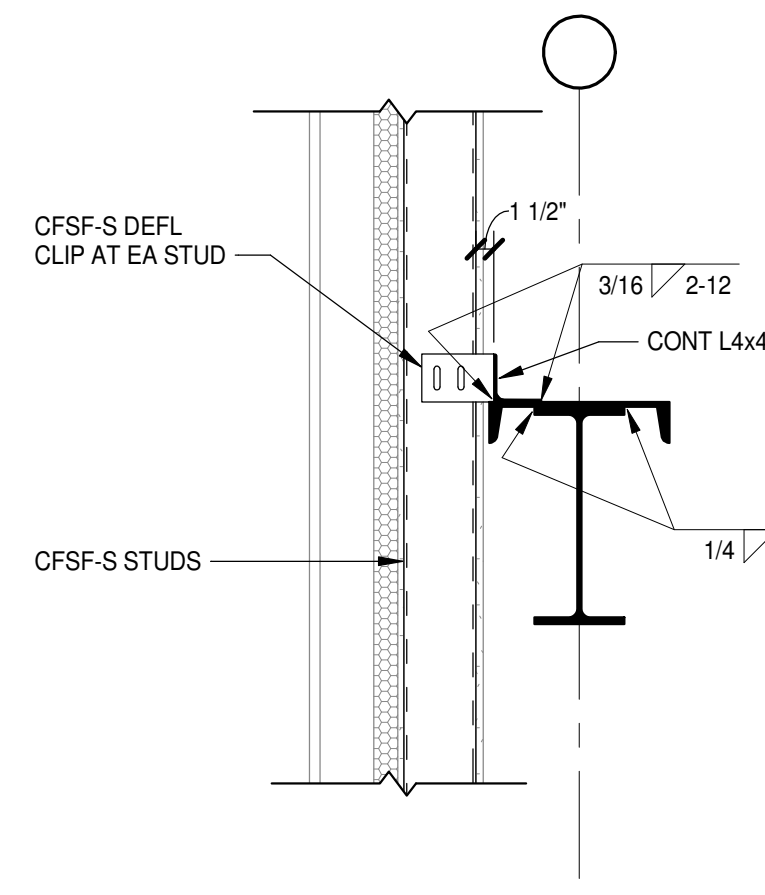
4 SECTION
S2.1.2 | S4.1.5 3/4" = 1'-0"



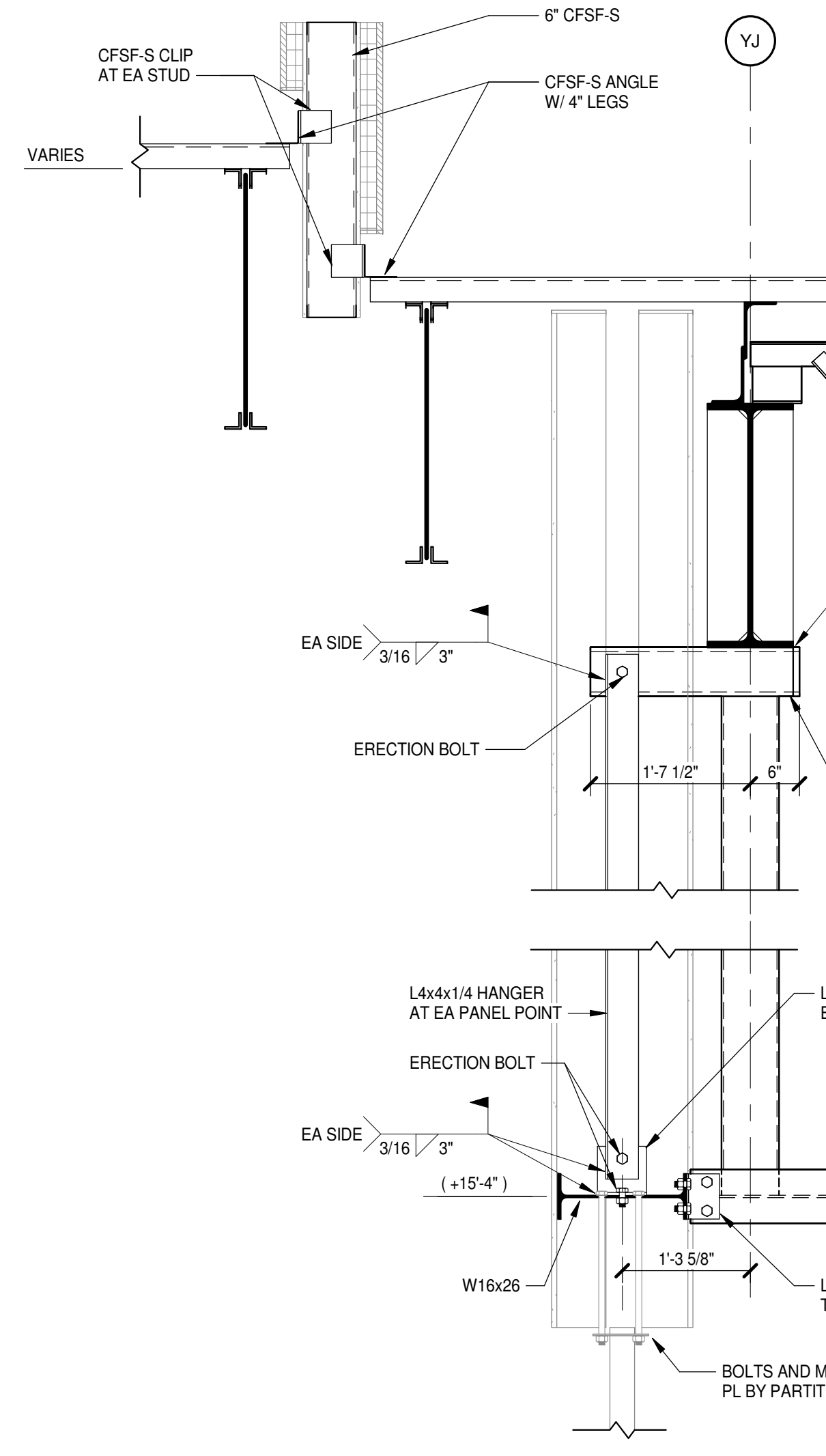
1 SECTION
S2.1.2 | S4.1.5 3/4" = 1'-0"



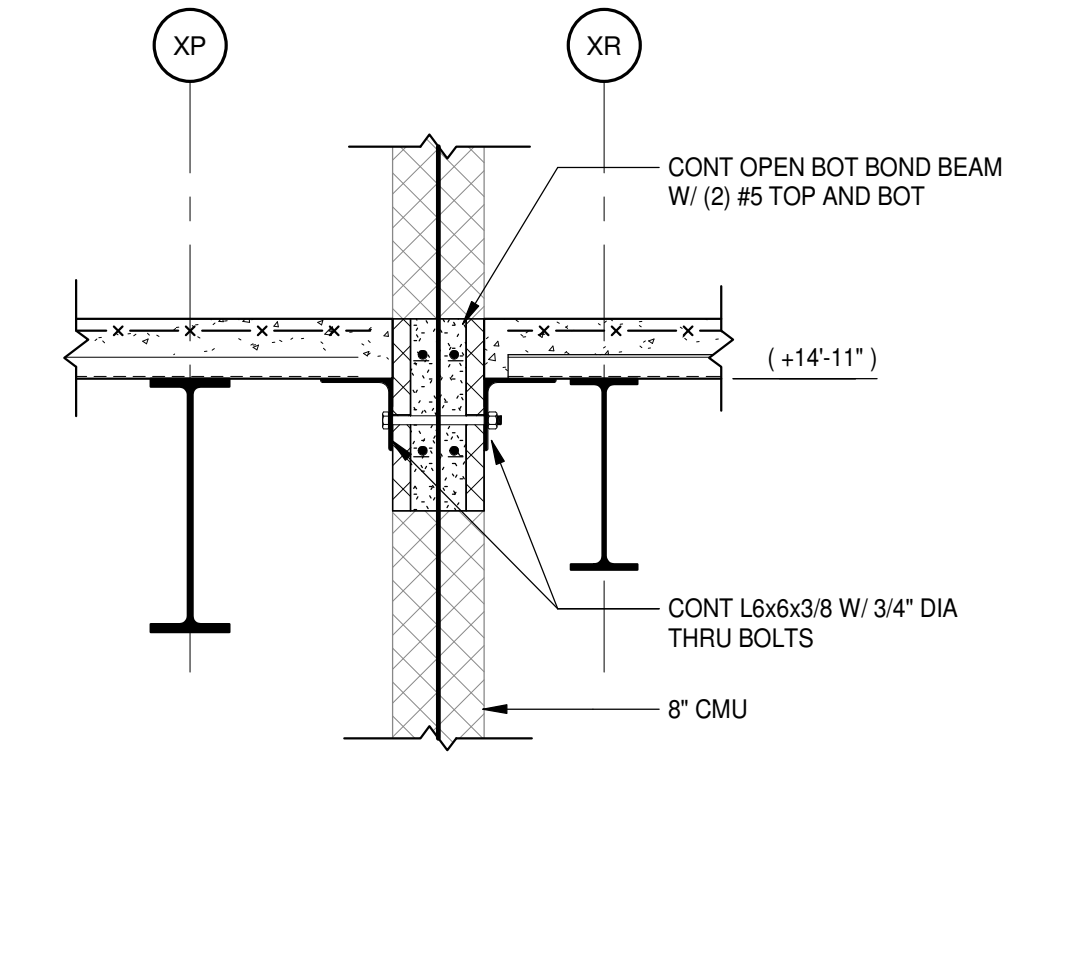
12 SECTION
S2.2.1 | S4.1.5 3/4" = 1'-0"



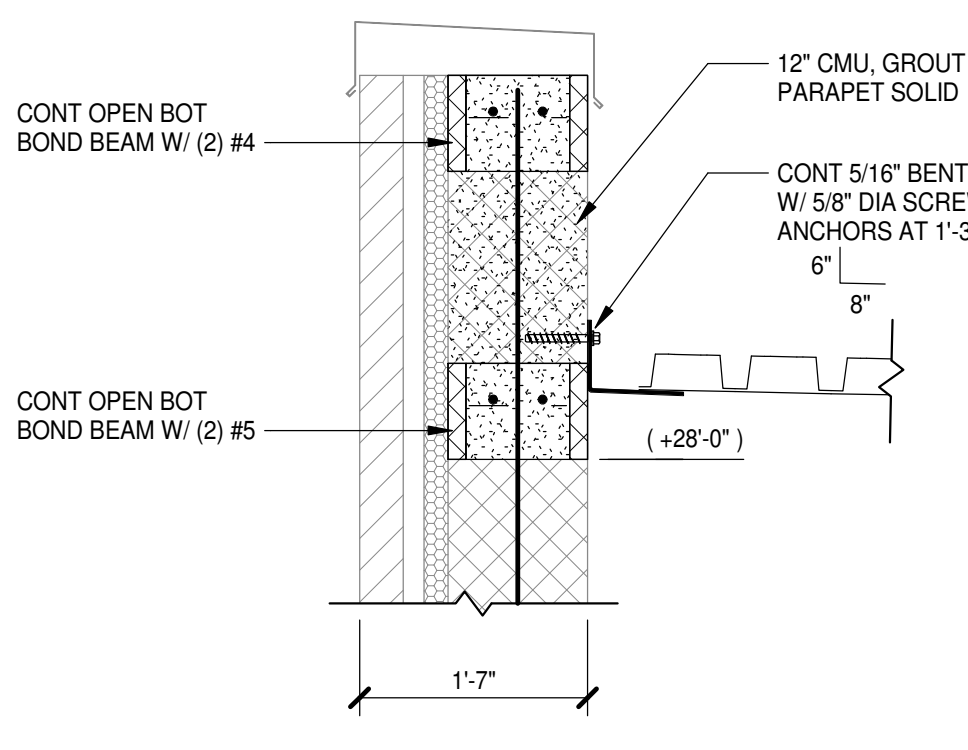
8 SECTION
S2.2.1 | S4.1.5 3/4" = 1'-0"



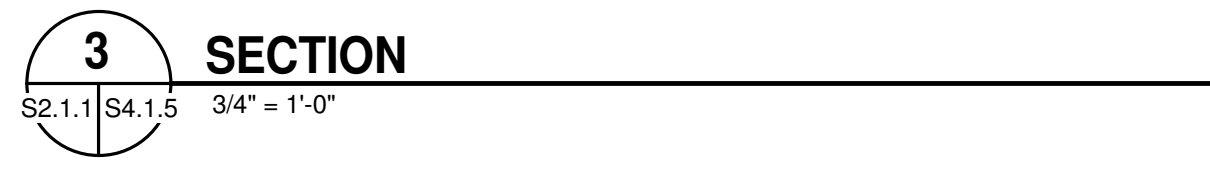
5 SECTION
S2.1.1 | S4.1.5 3/4" = 1'-0"



11 SECTION
S2.1.3 | S4.1.5 3/4" = 1'-0"



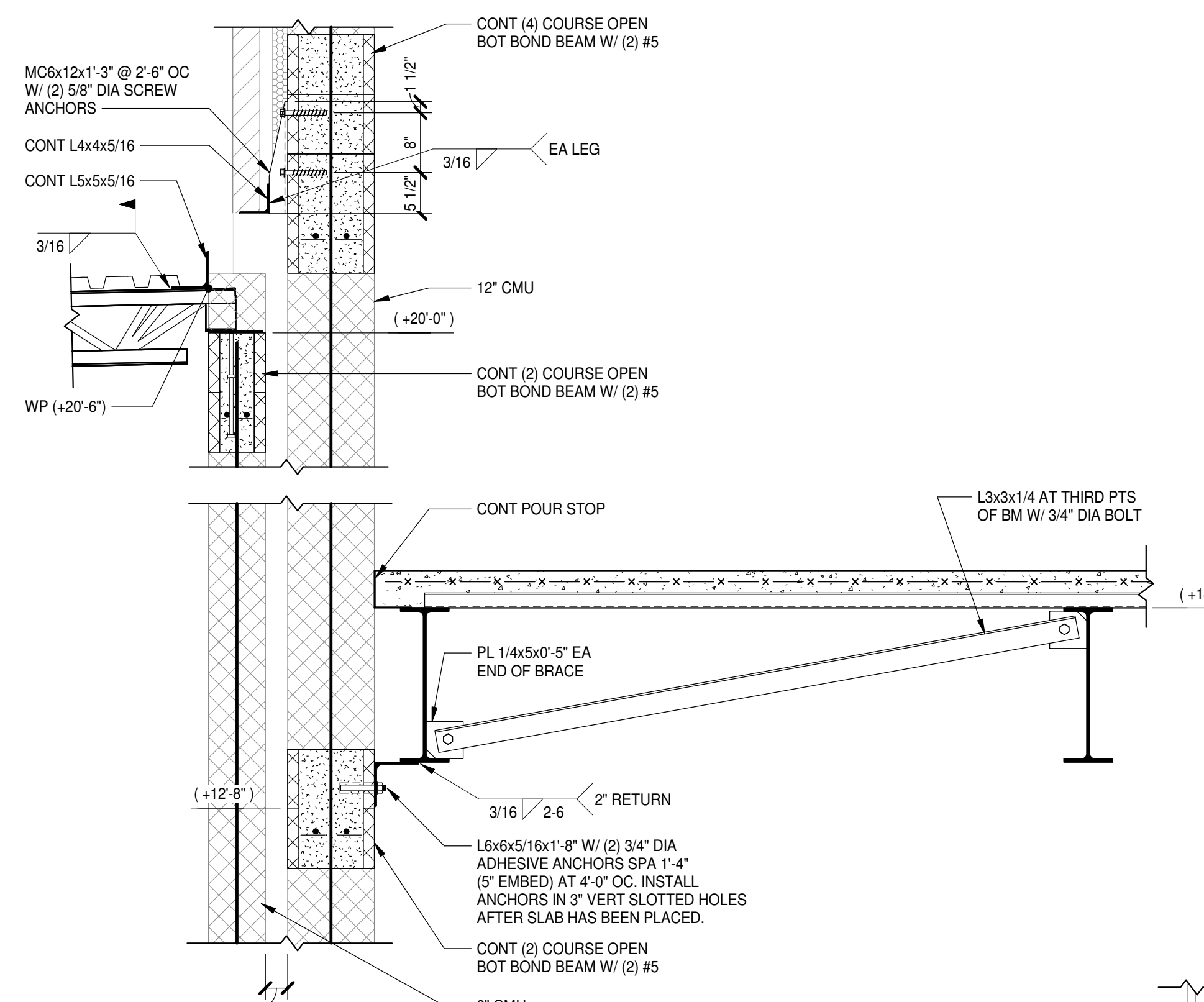
7 SECTION
S2.2.2 | S4.1.5 3/4" = 1'-0"



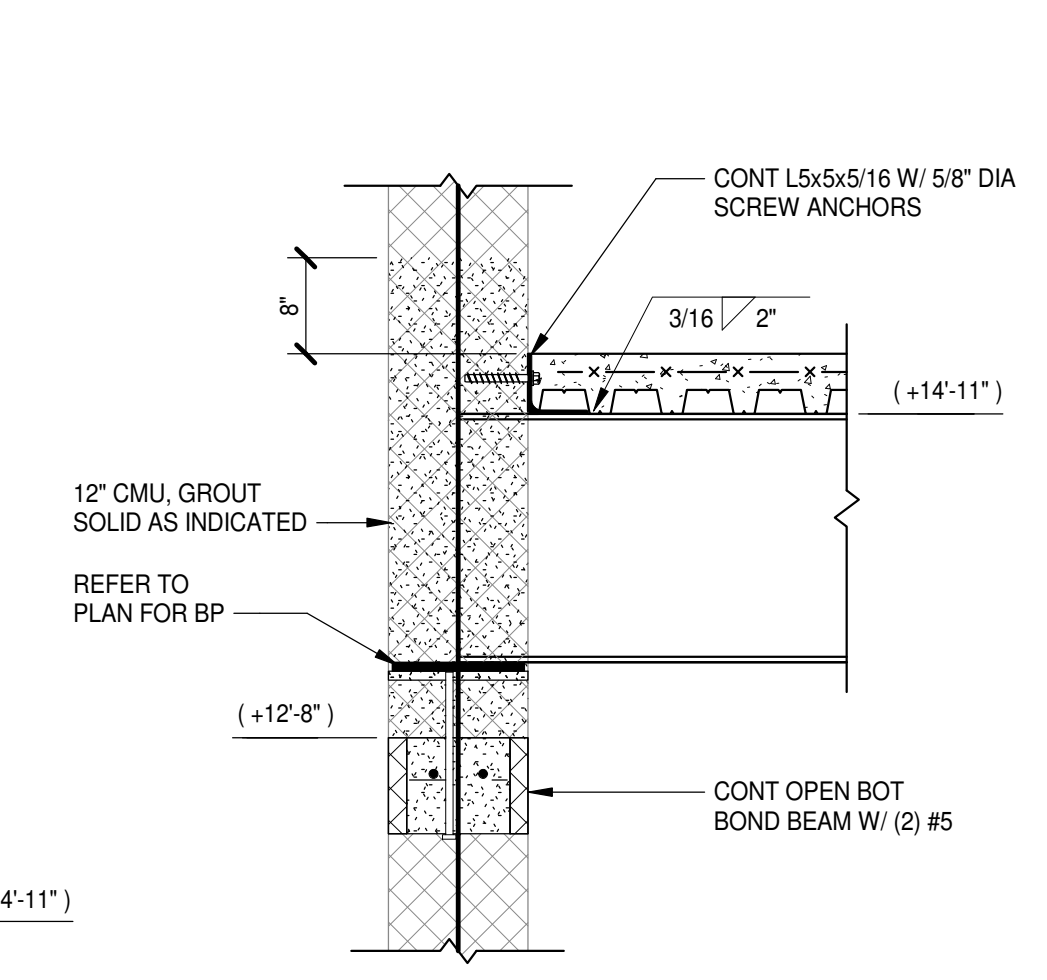
3 SECTION
S2.1.1 | S4.1.5 3/4" = 1'-0"

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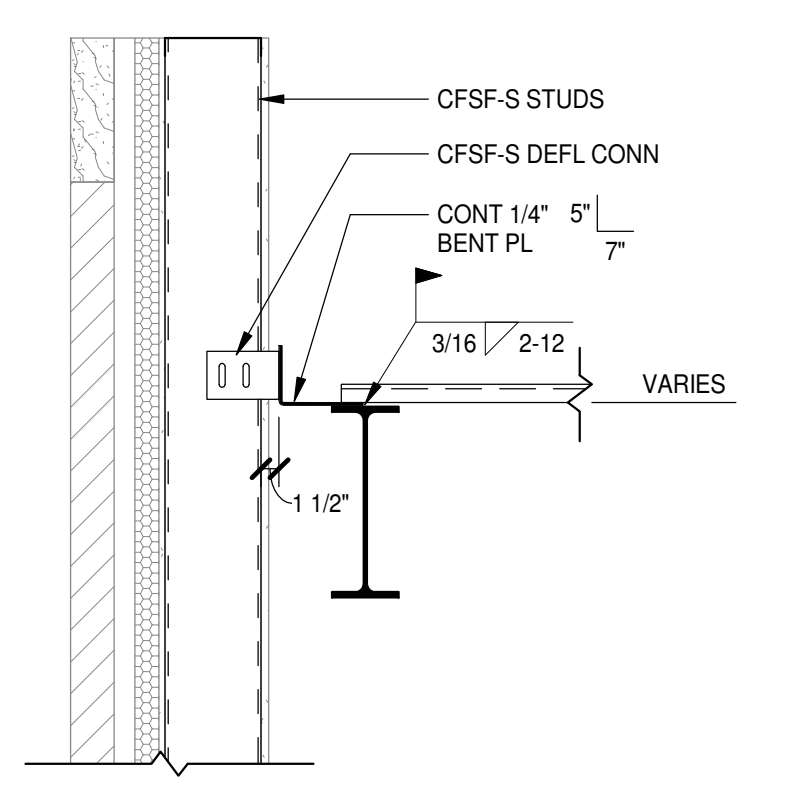
1 2 3 4 5 6 7 8 9 10



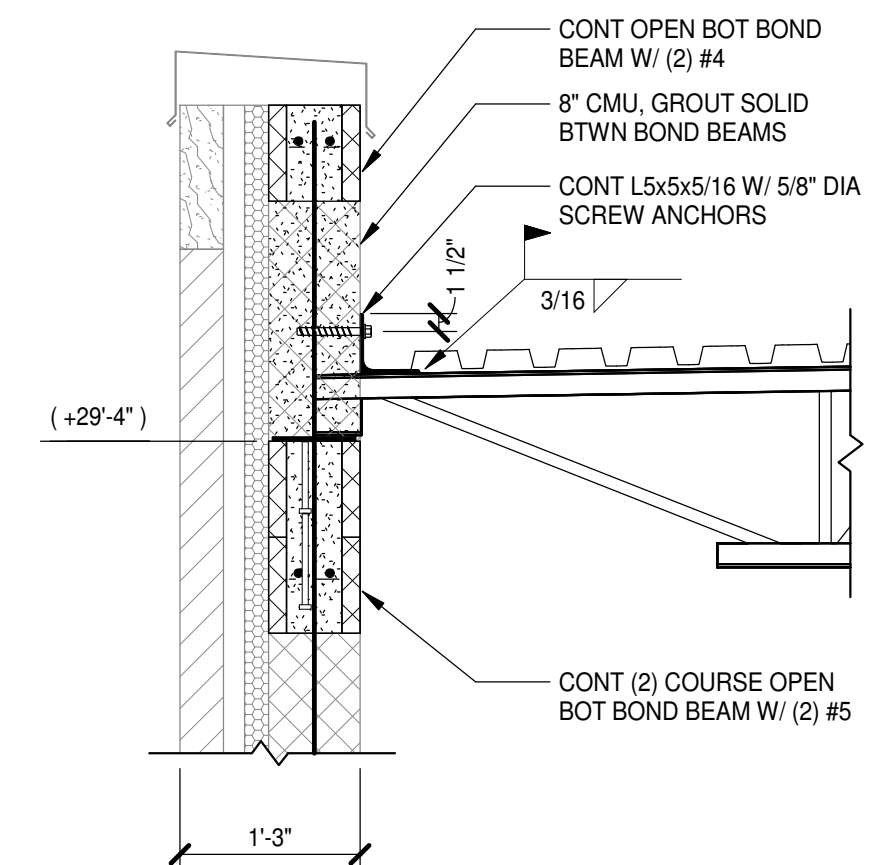
14 SECTION
S2.1.1 | S4.1.6 | 3/4" = 1'-0"



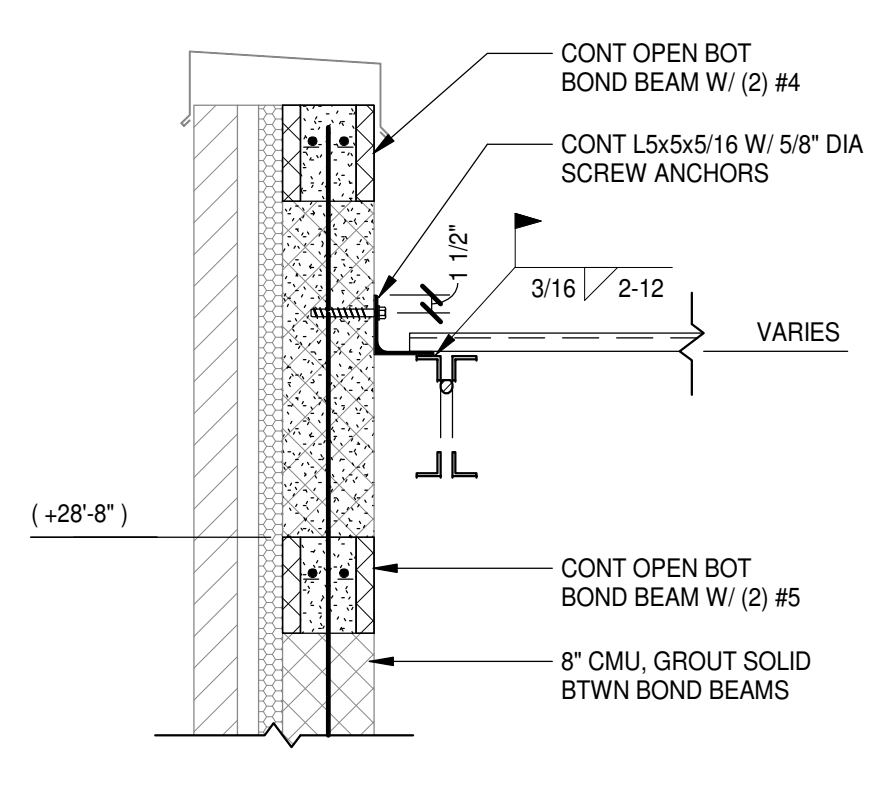
12 SECTION
S2.2.7 | S4.1.6 | 3/4" = 1'-0"



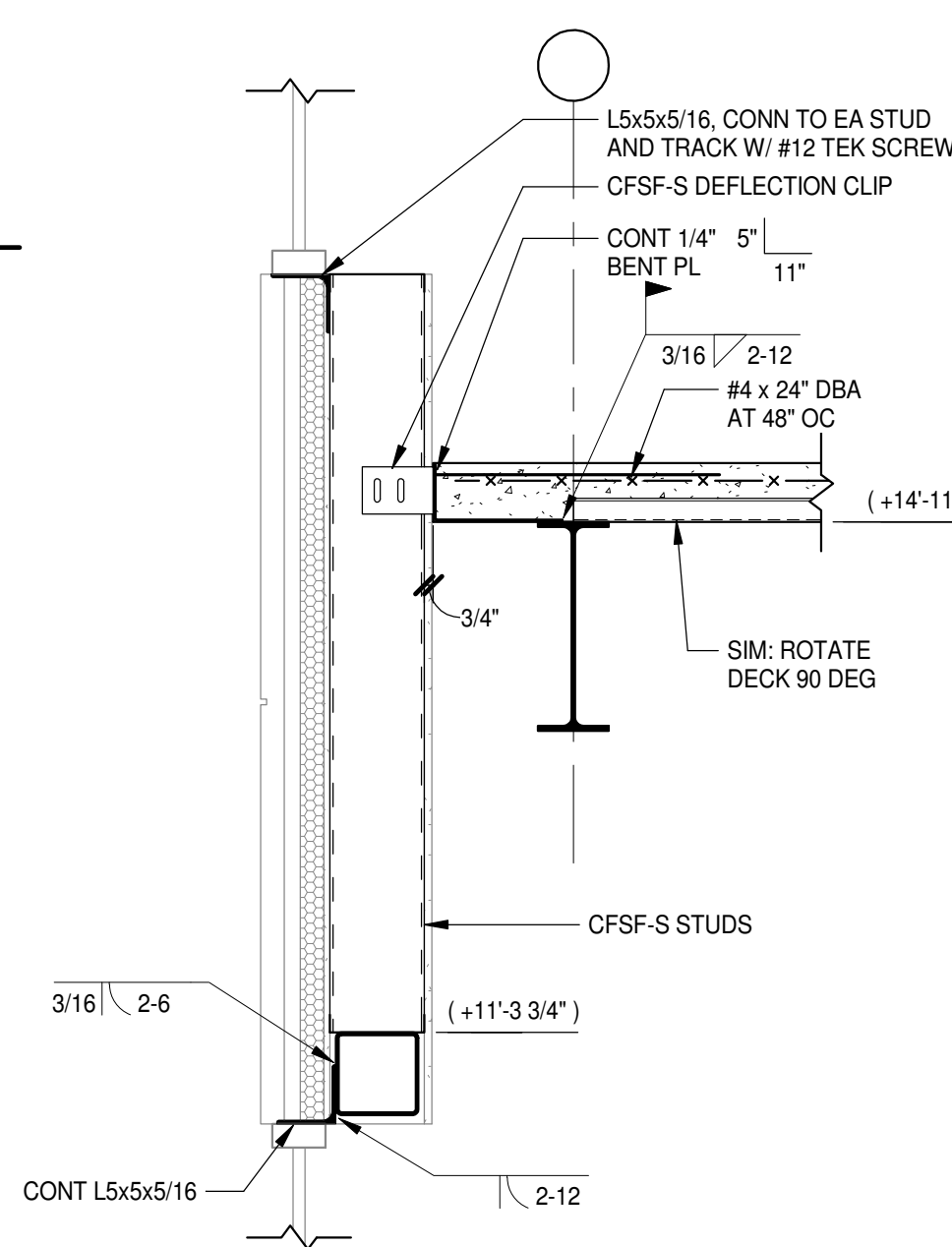
8 SECTION
S2.2.4 | S4.1.6 | 3/4" = 1'-0"



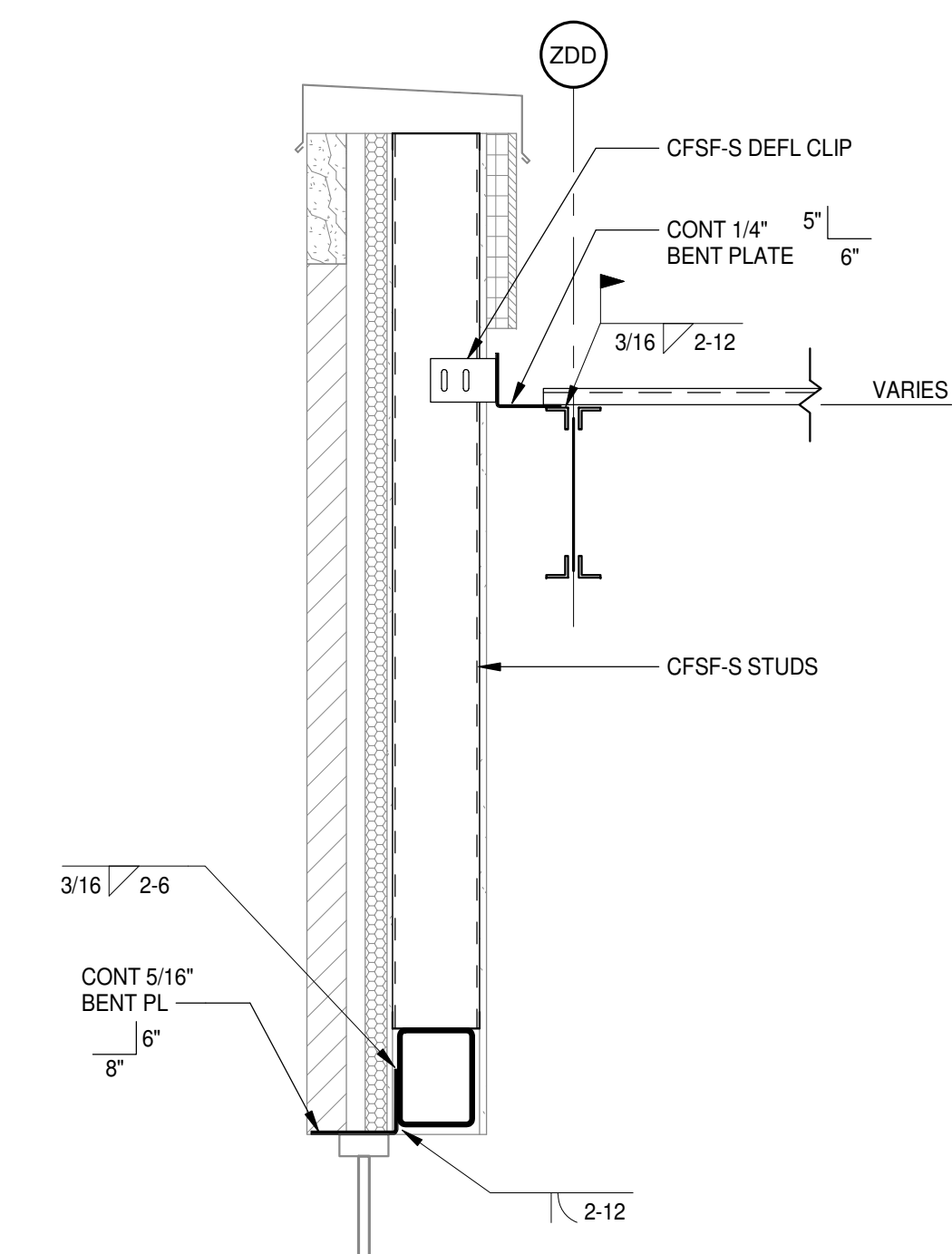
4 SECTION
S2.2.3 | S4.1.6 | 3/4" = 1'-0"



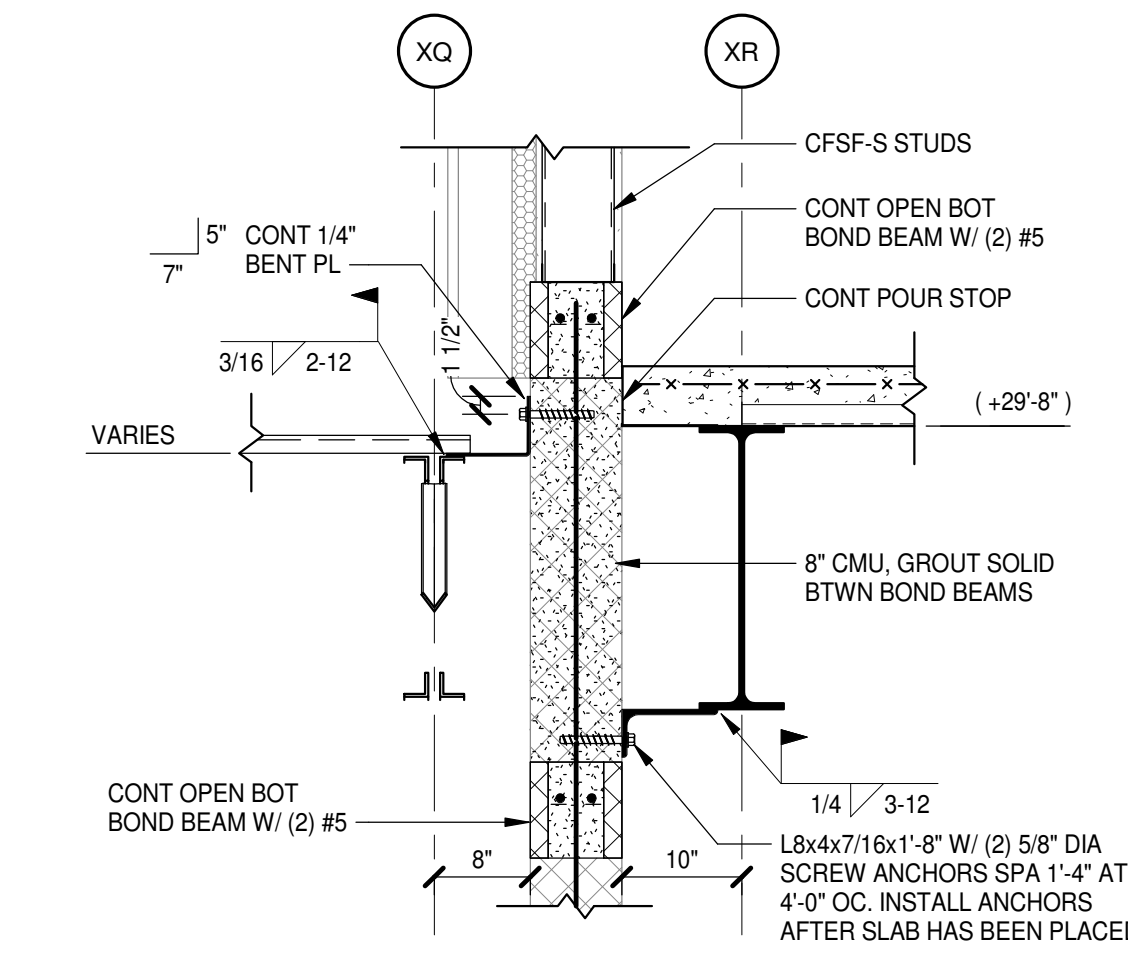
17 SECTION
S2.1.1 | S4.1.6 | 3/4" = 1'-0"



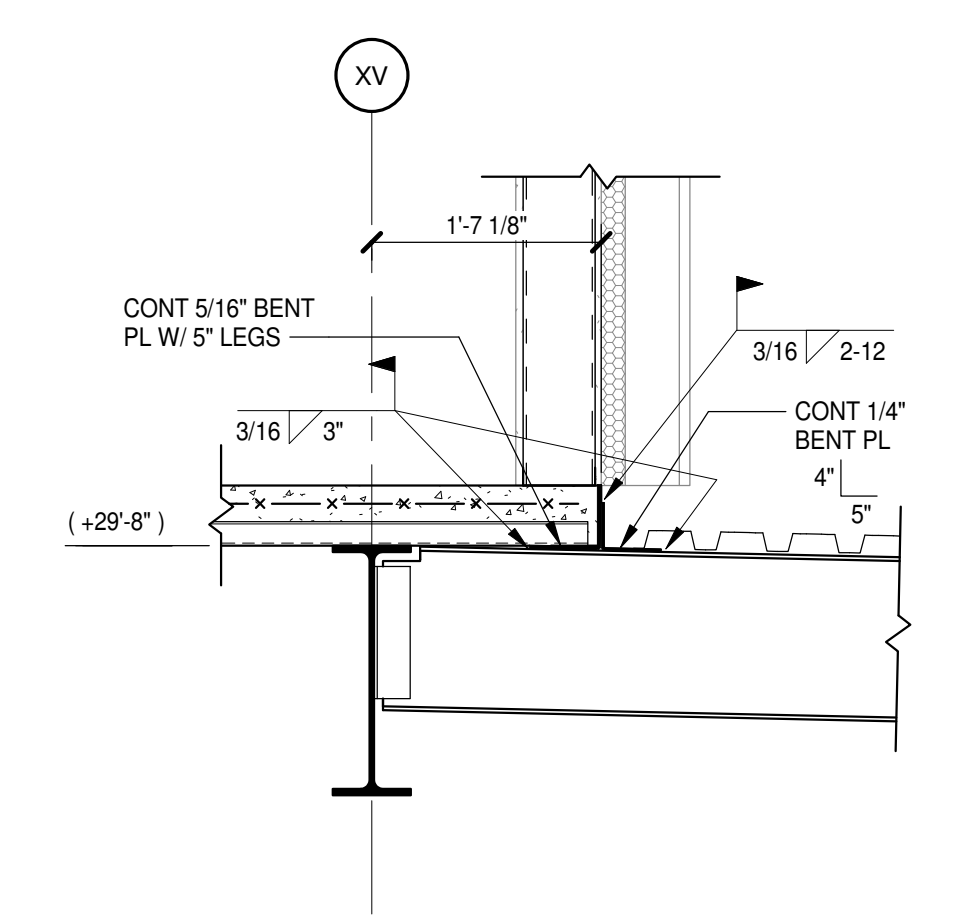
13 SECTION
S2.1.1 | S4.1.6 | 3/4" = 1'-0"



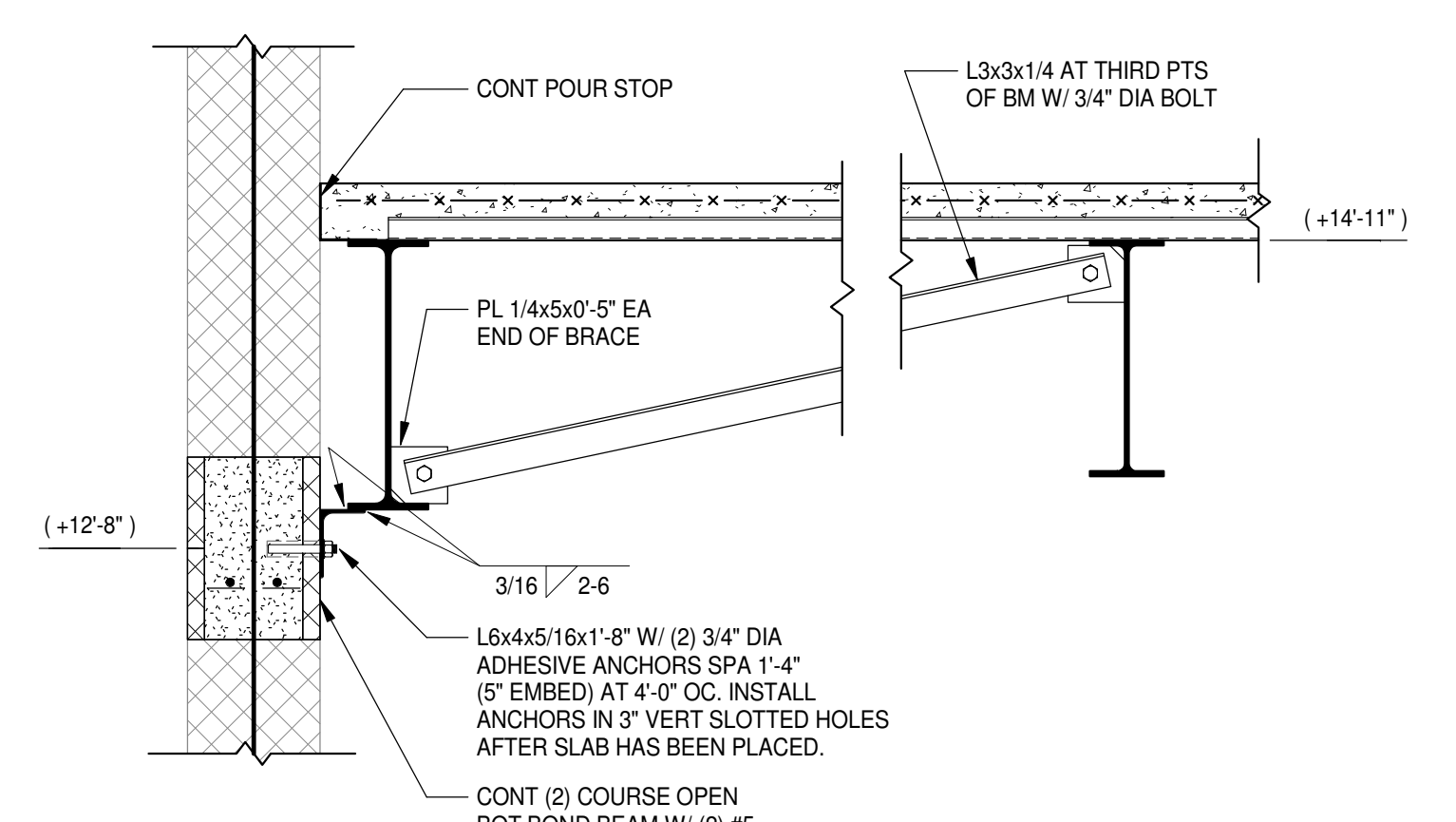
11 SECTION
S2.2.7 | S4.1.6 | 3/4" = 1'-0"



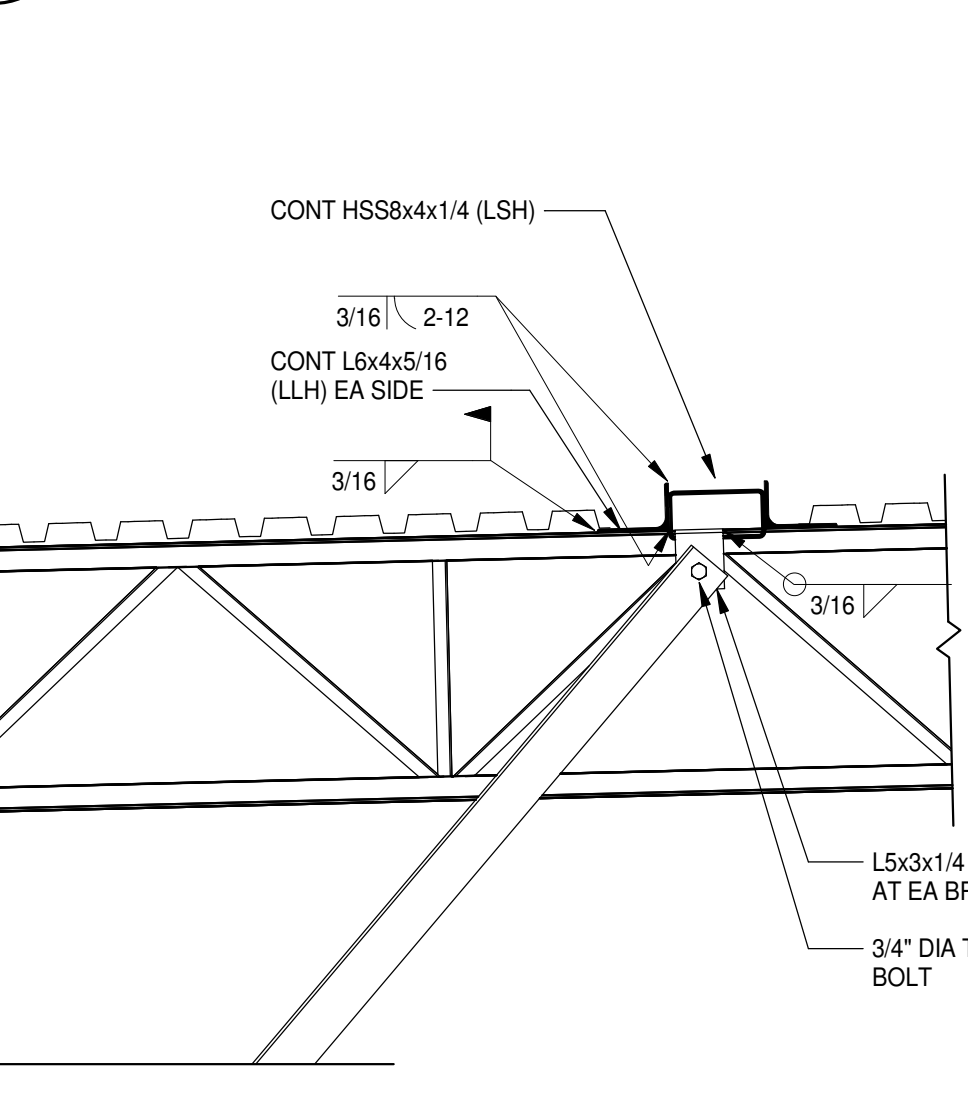
7 SECTION
S2.2.4 | S4.1.6 | 3/4" = 1'-0"



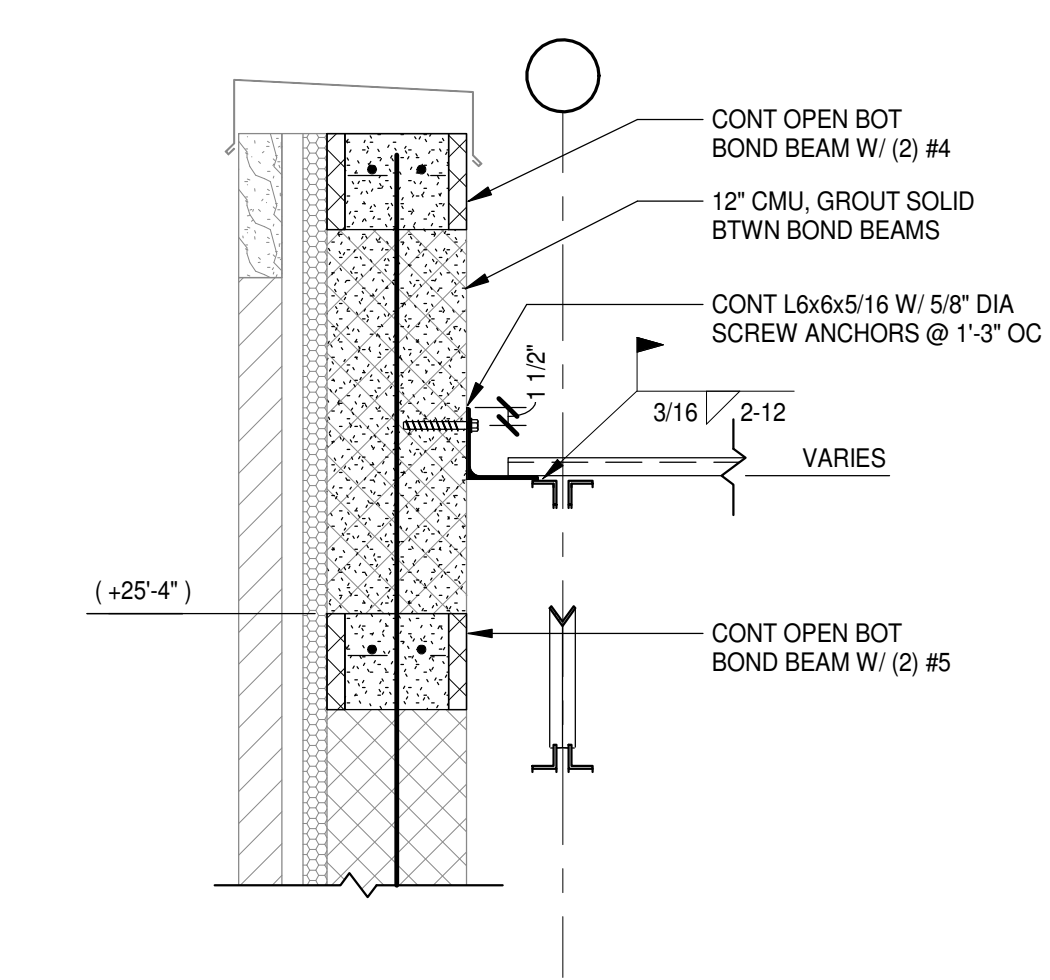
3 SECTION
S2.2.3 | S4.1.6 | 3/4" = 1'-0"



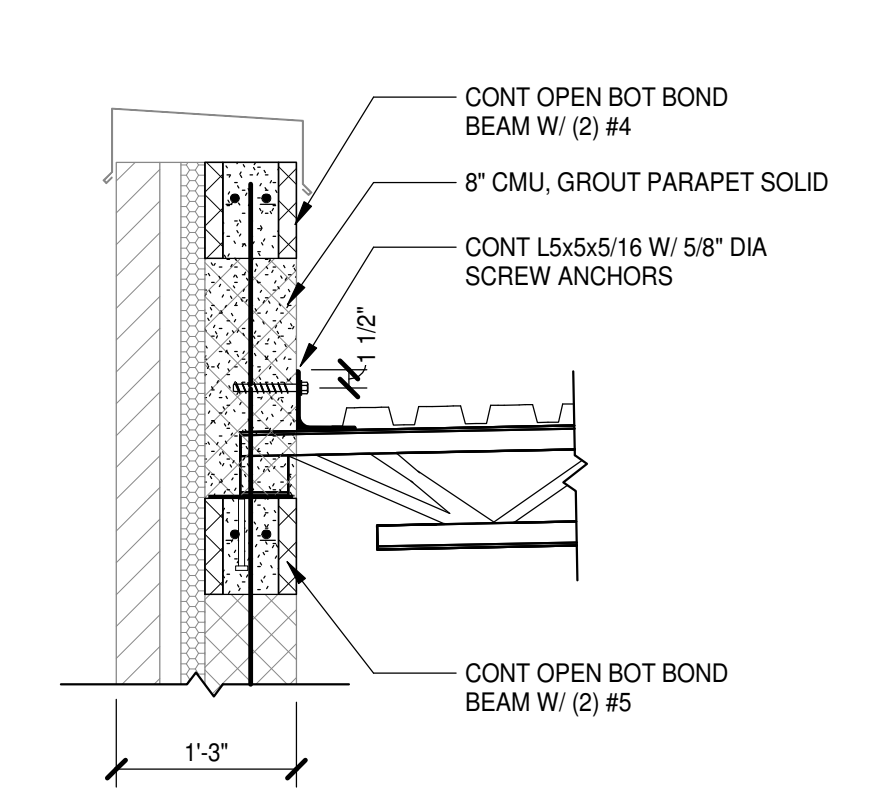
16 SECTION
S2.1.1 | S4.1.6 | 3/4" = 1'-0"



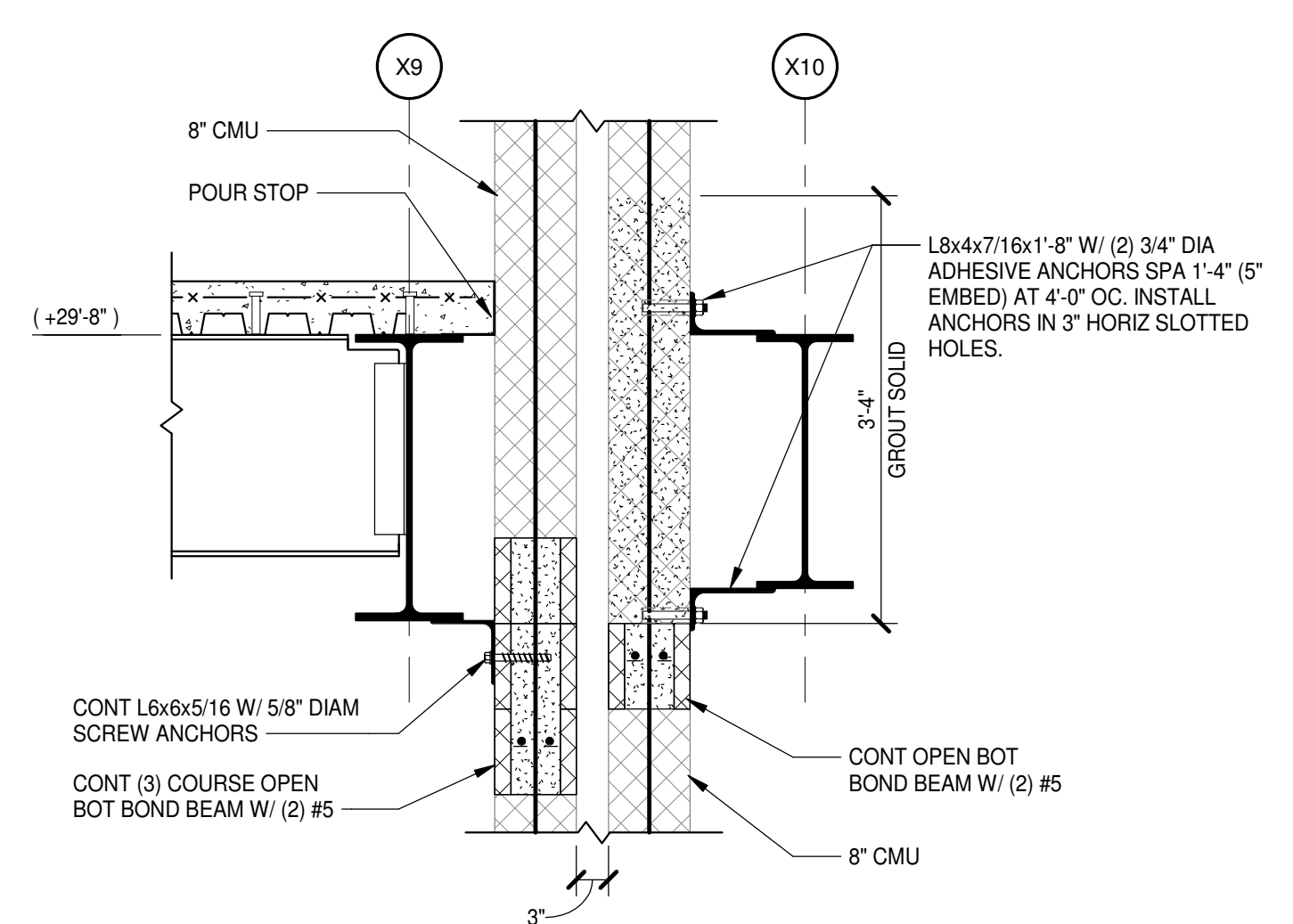
15 SECTION
S2.1.6 | S4.1.6 | 3/4" = 1'-0"



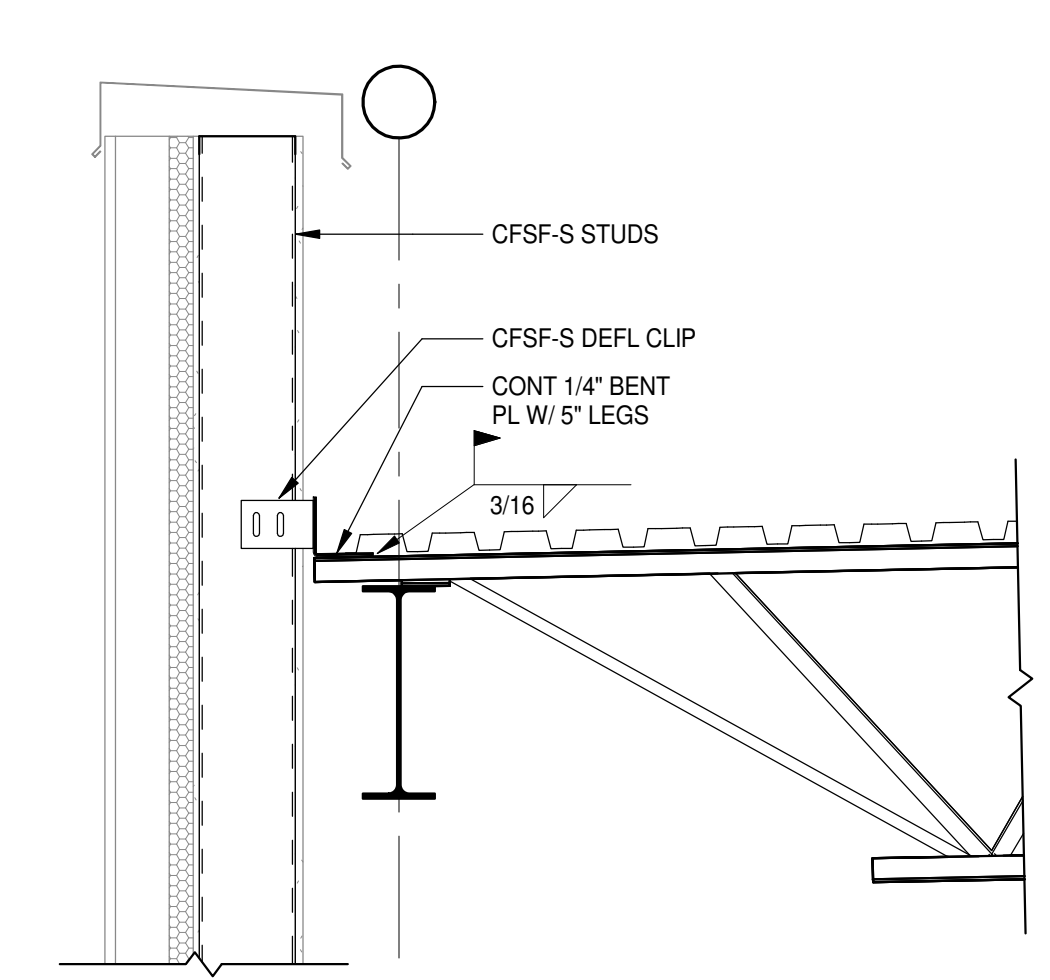
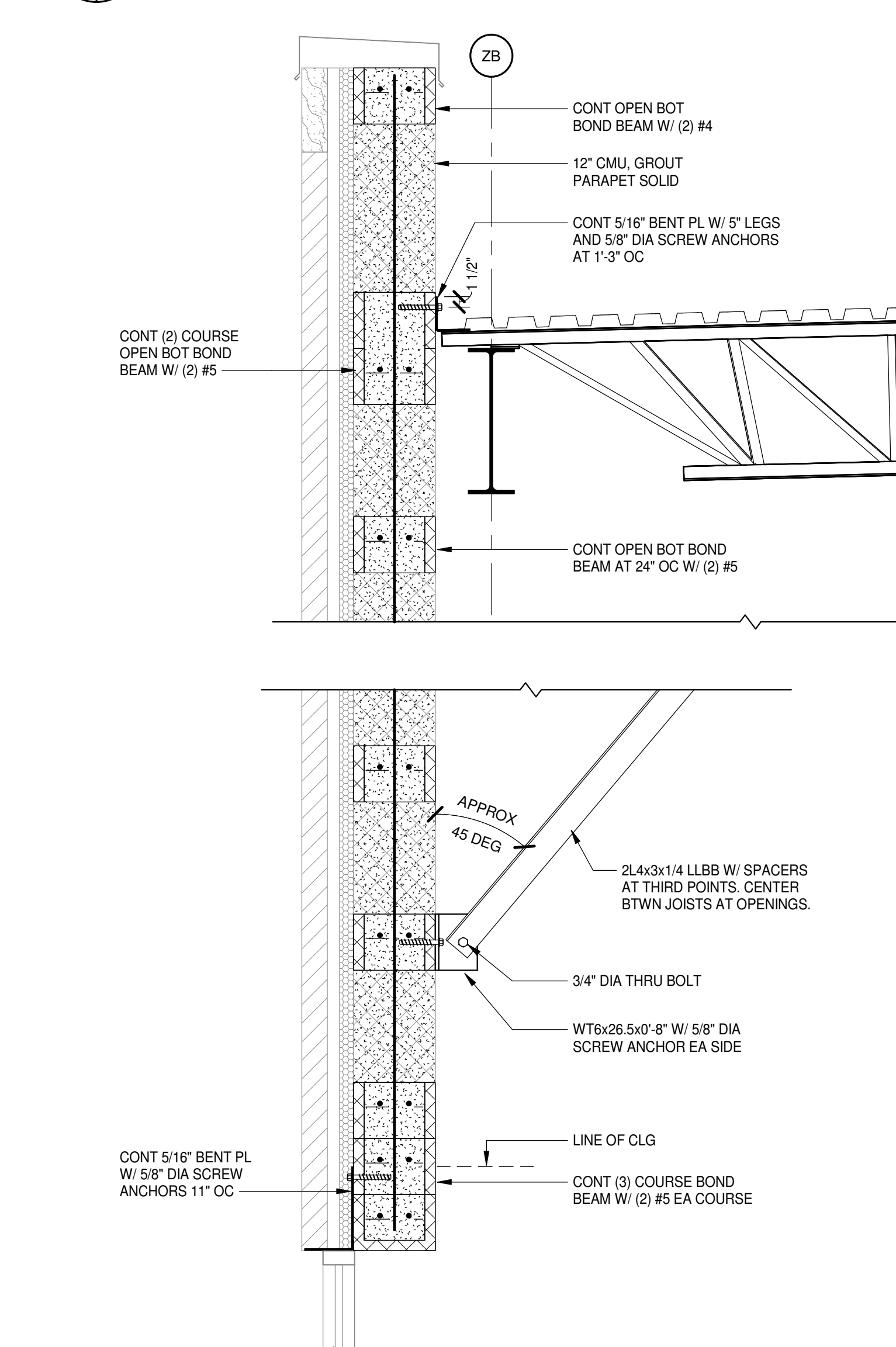
10 SECTION
S2.2.2 | S4.1.6 | 3/4" = 1'-0"



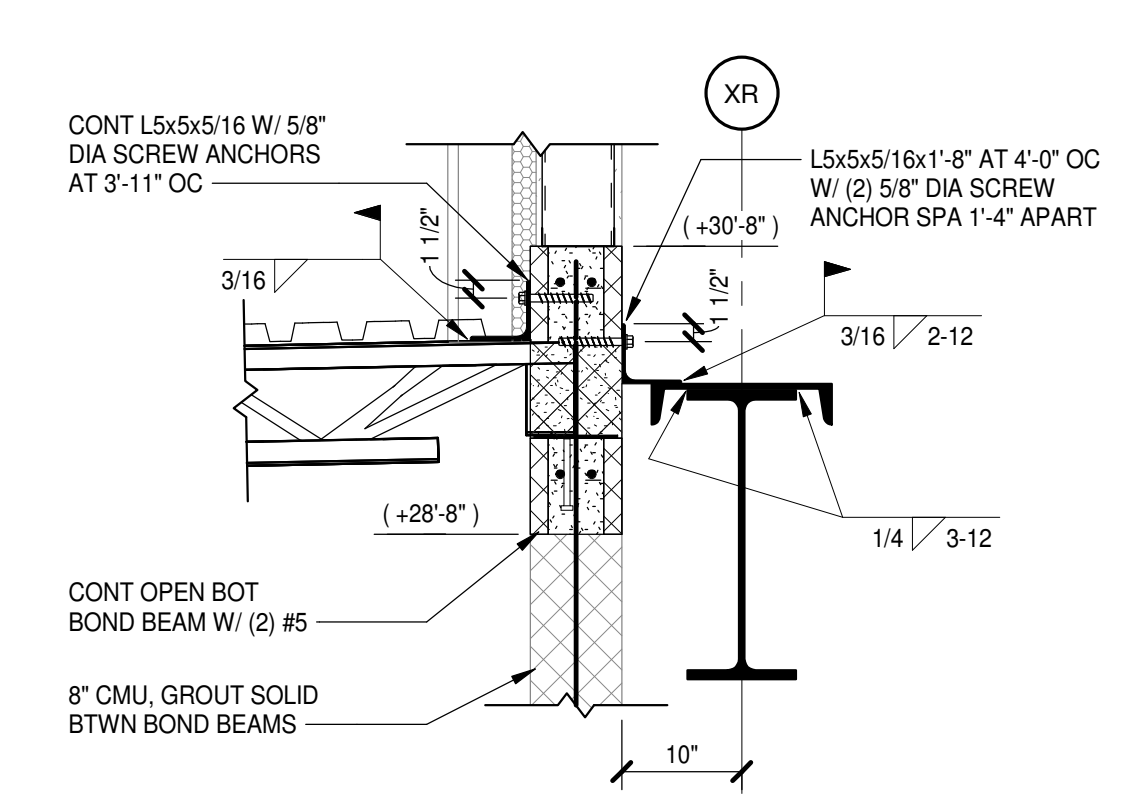
6 SECTION
S2.2.3 | S4.1.6 | 3/4" = 1'-0"



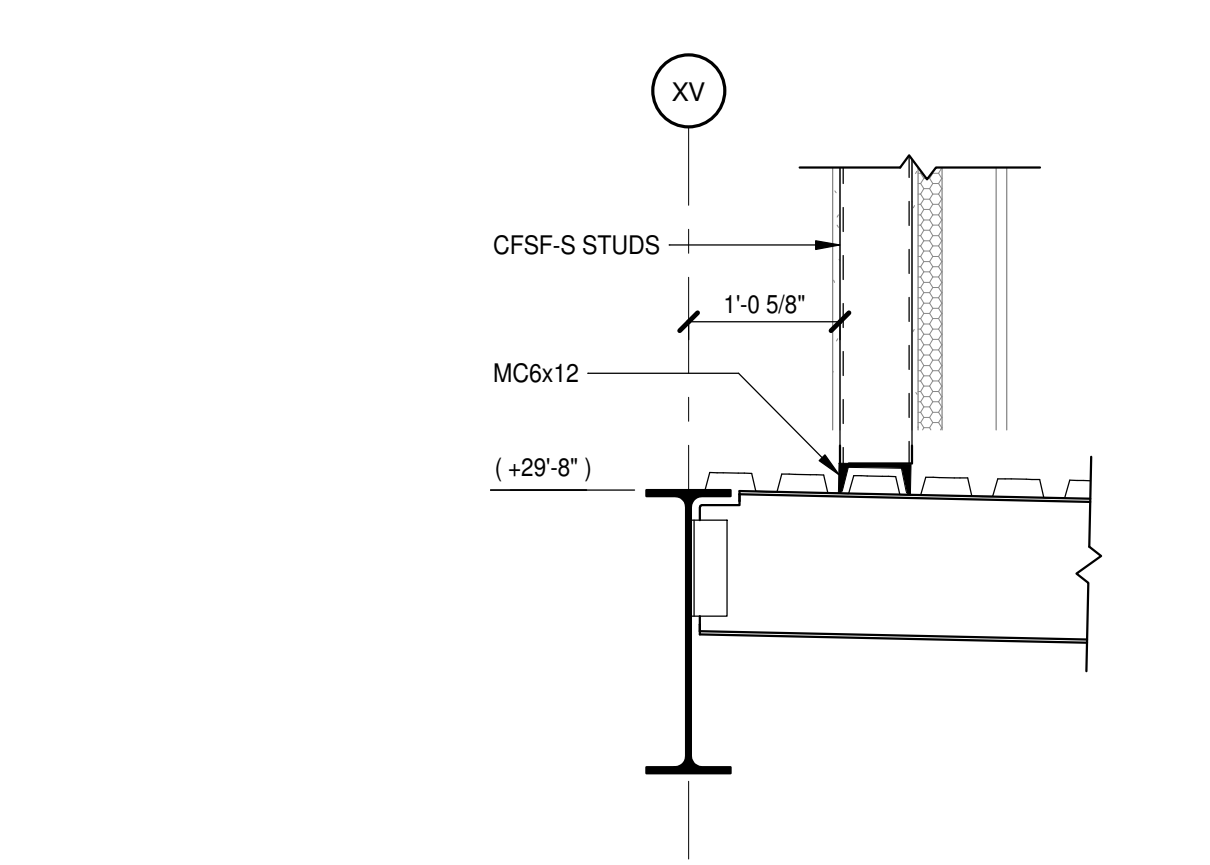
2 SECTION
S2.2.3 | S4.1.6 | 3/4" = 1'-0"



9 SECTION
S2.2.4 | S4.1.6 | 3/4" = 1'-0"



5 SECTION
S2.2.3 | S4.1.6 | 3/4" = 1'-0"



1 SECTION
S2.2.3 | S4.1.6 | 3/4" = 1'-0"



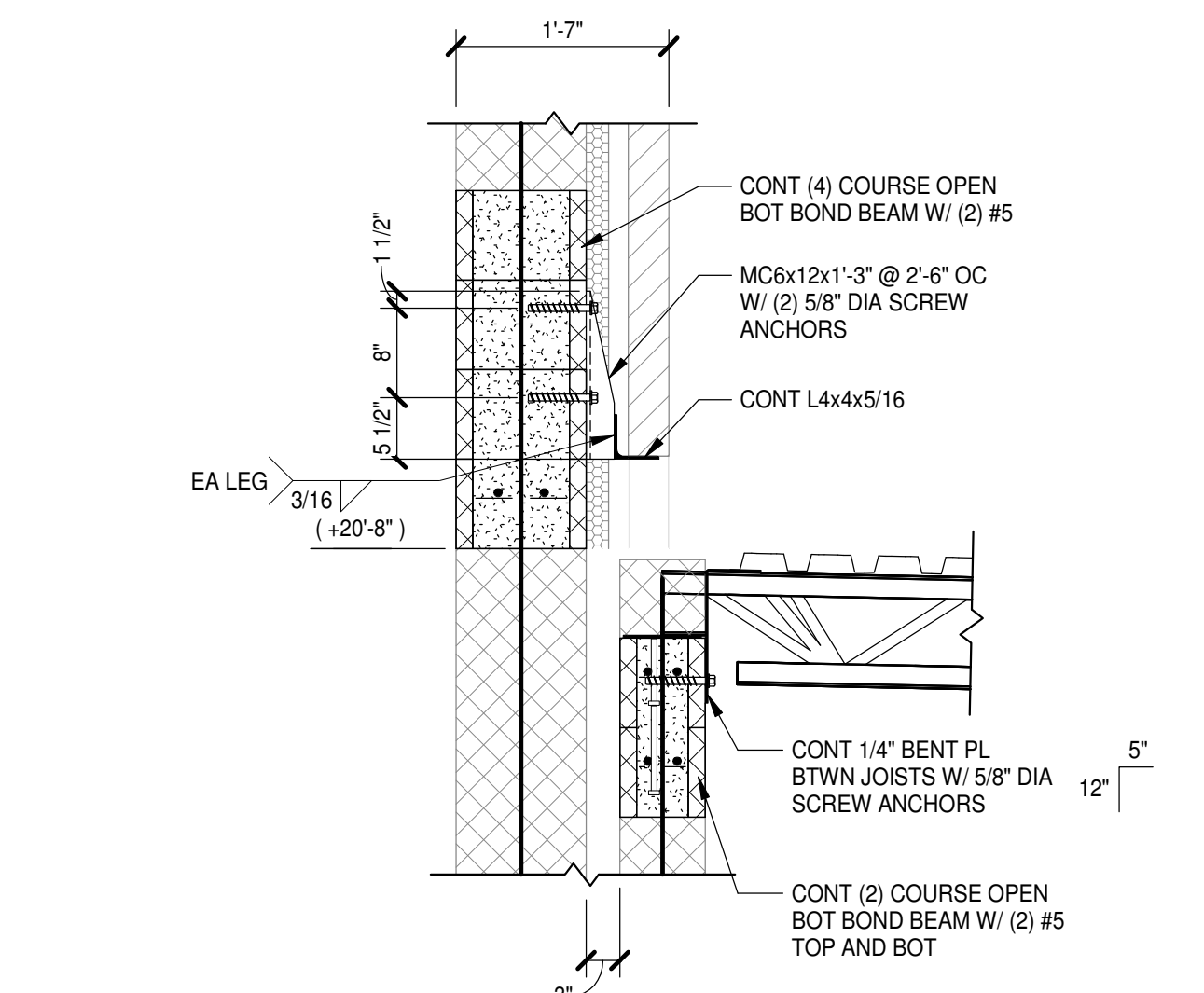
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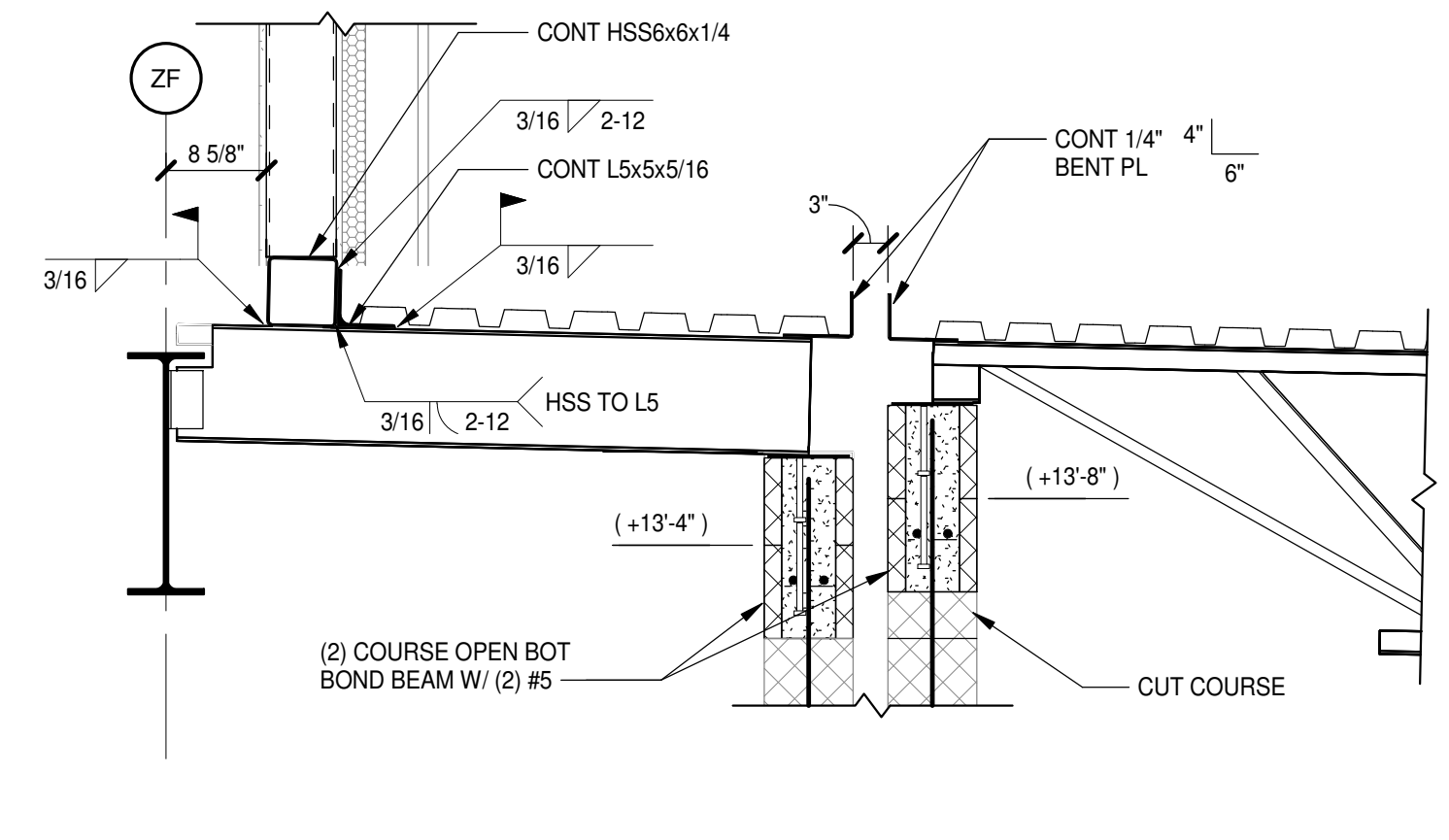
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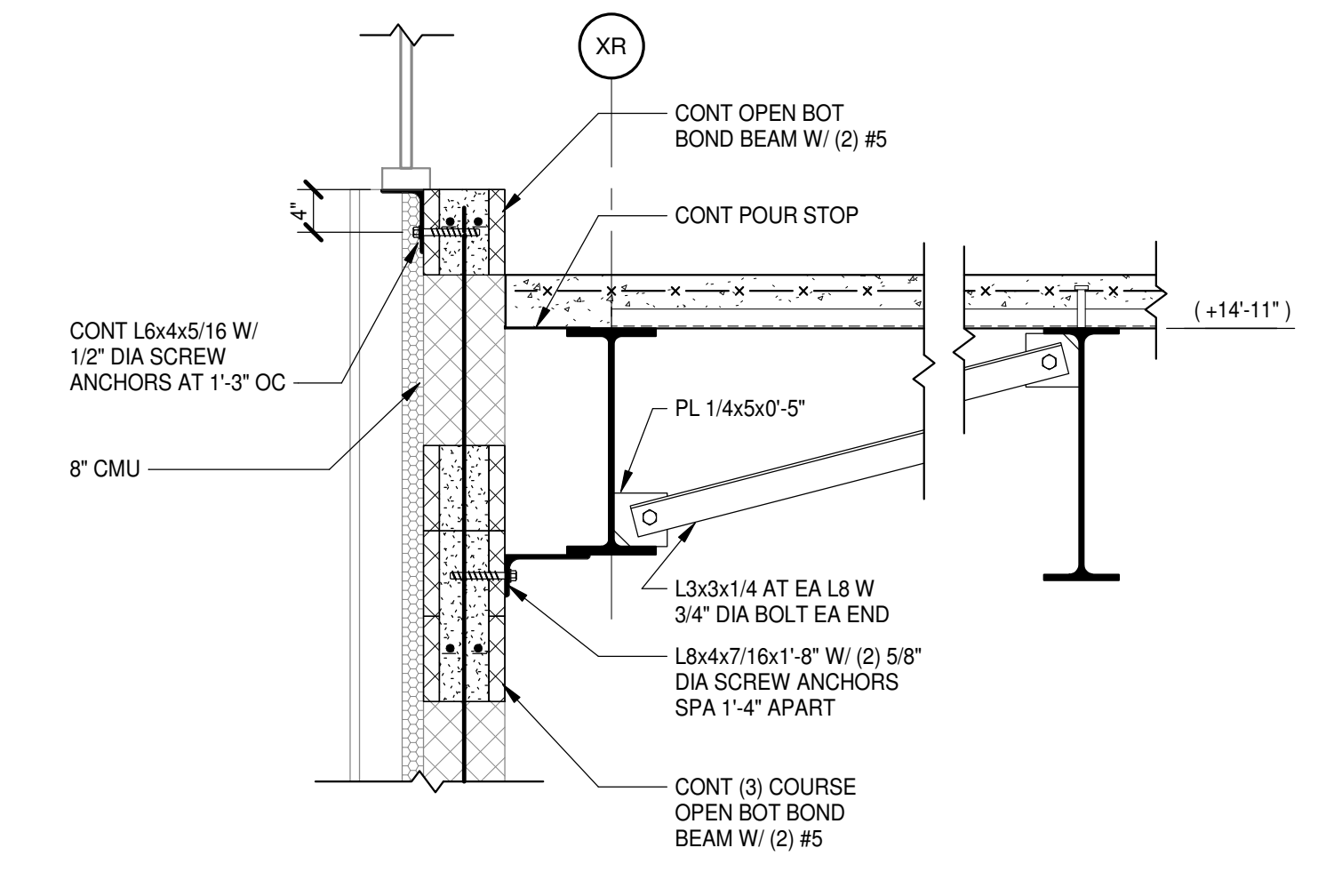
1 SECTION
S2.1.1 | S4.1.7 | 3/4" = 1'-0"



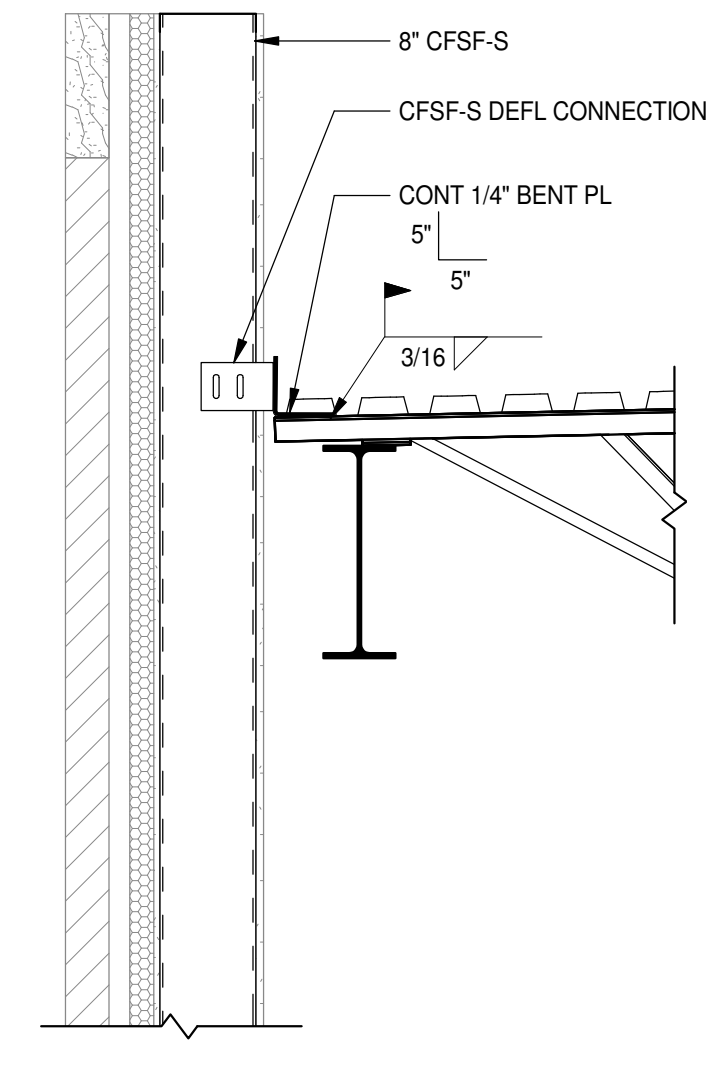
2 SECTION
S2.1.2 | S4.1.7 | 3/4" = 1'-0"



3 SECTION
S2.1.3 | S4.1.7 | 3/4" = 1'-0"



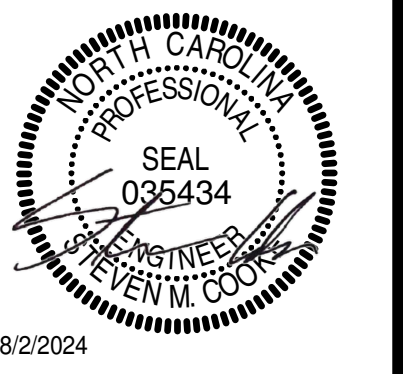
4 SECTION
S2.2.1 | S4.1.7 | 3/4" = 1'-0"



FRAMING SECTIONS

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PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
Highway 210, Hampstead, NC 28443

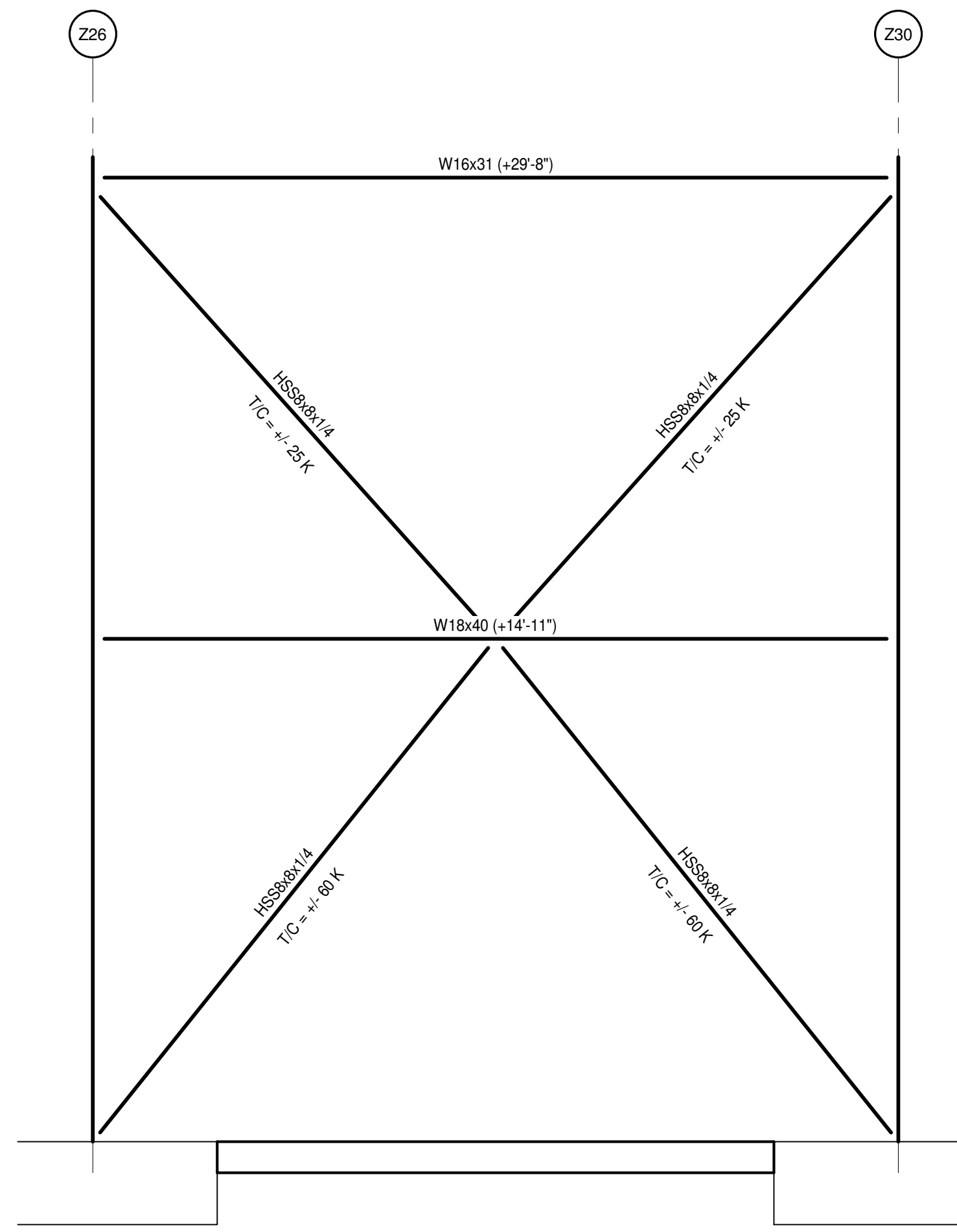


MOSELEY ARCHITECTS

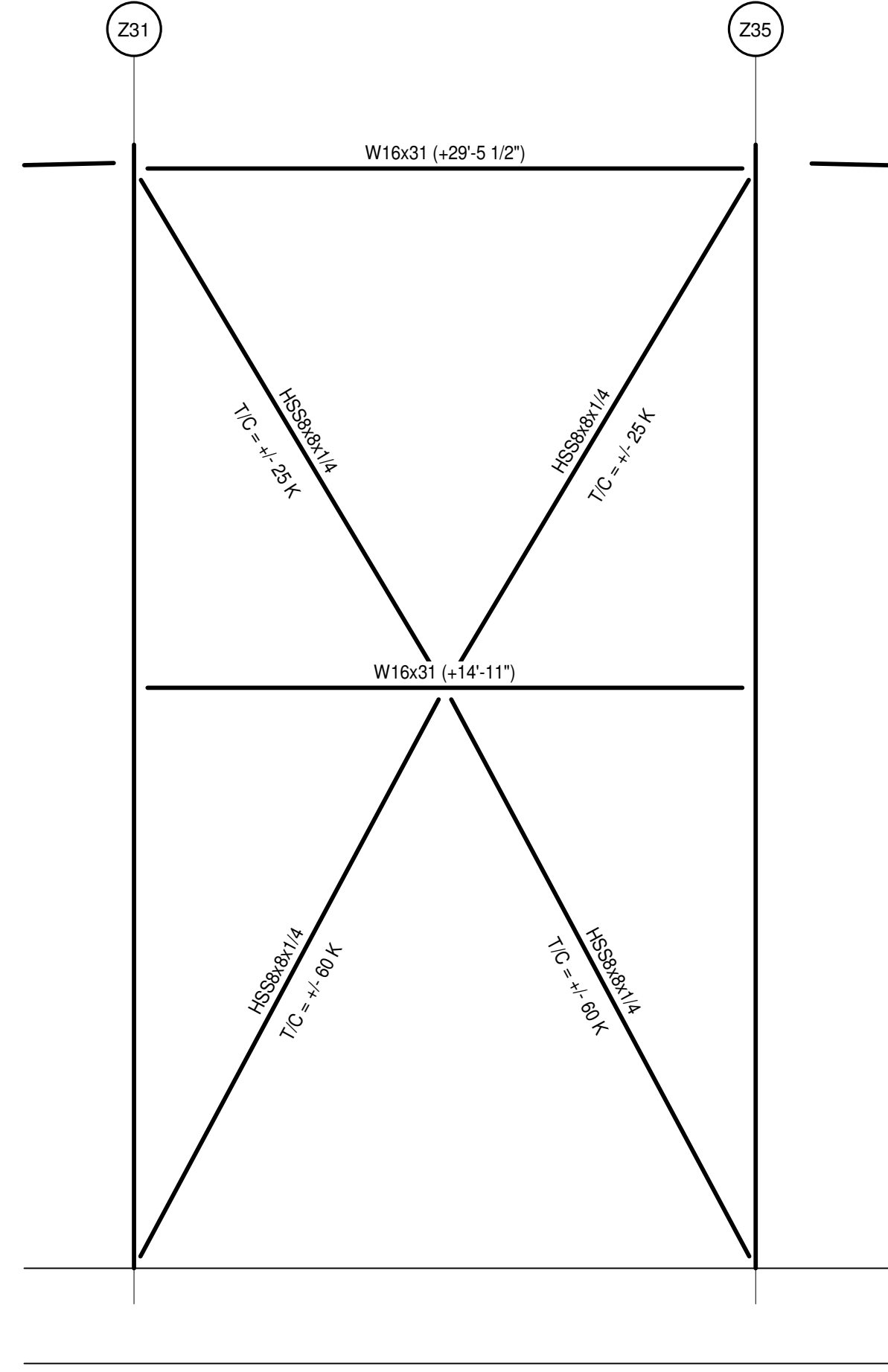
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0051
MOSELEYARCHITECTS.COM

S4.1.7

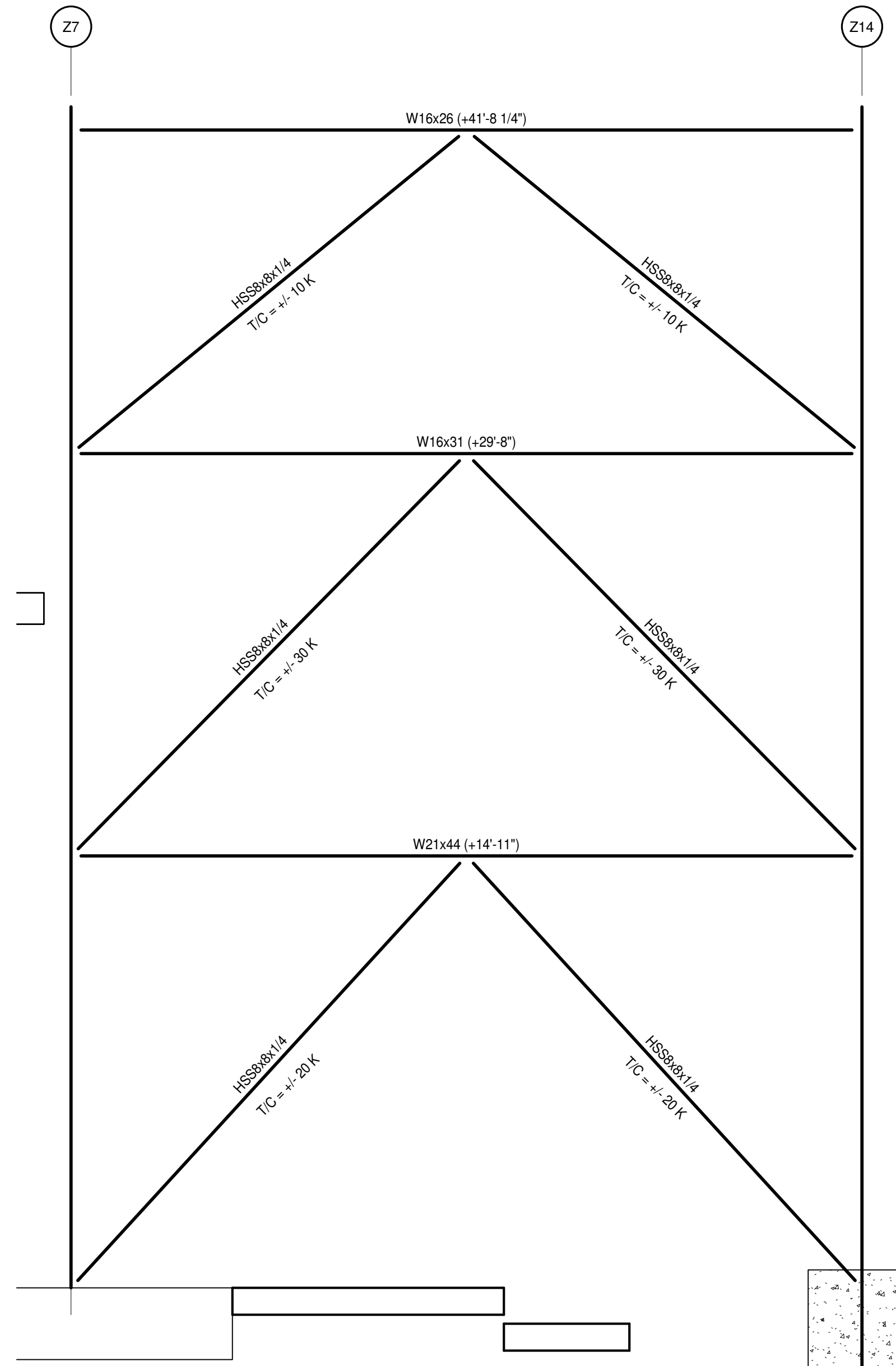
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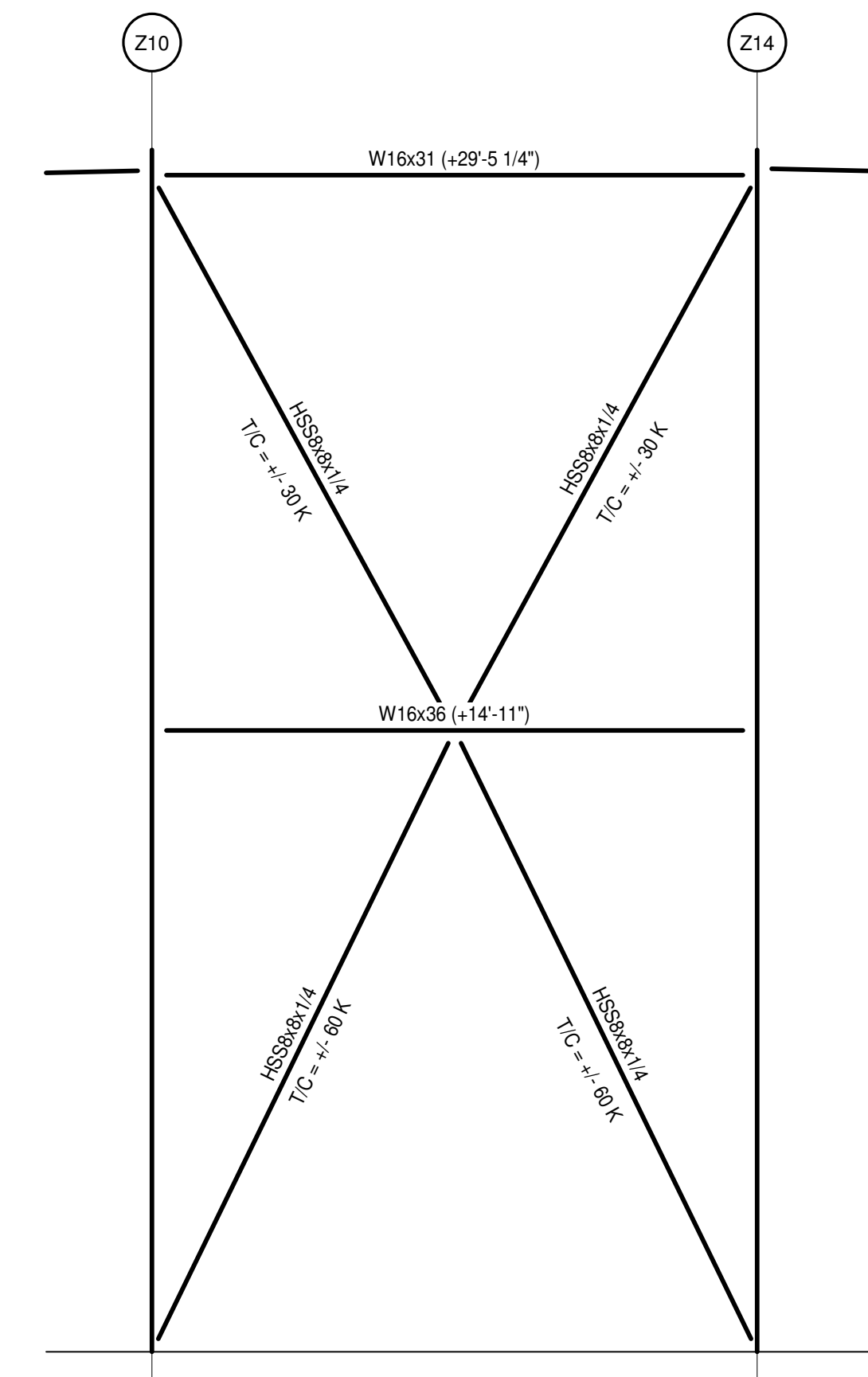
8 FRAME 8
S1.1.8/SS.1.1 1/4" = 1'-0"



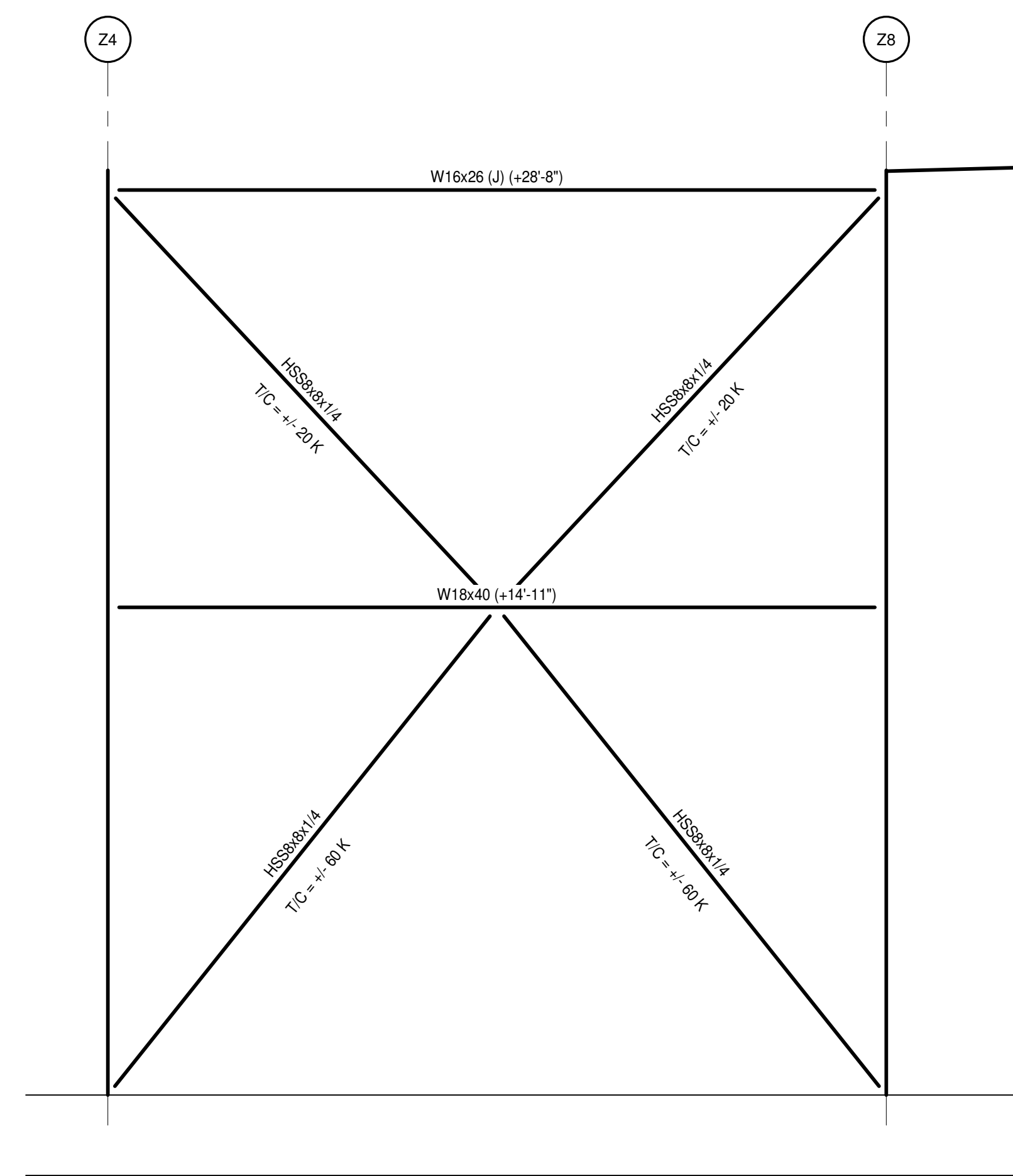
6 FRAME 6
S1.1.8/SS.1.1 1/4" = 1'-0"



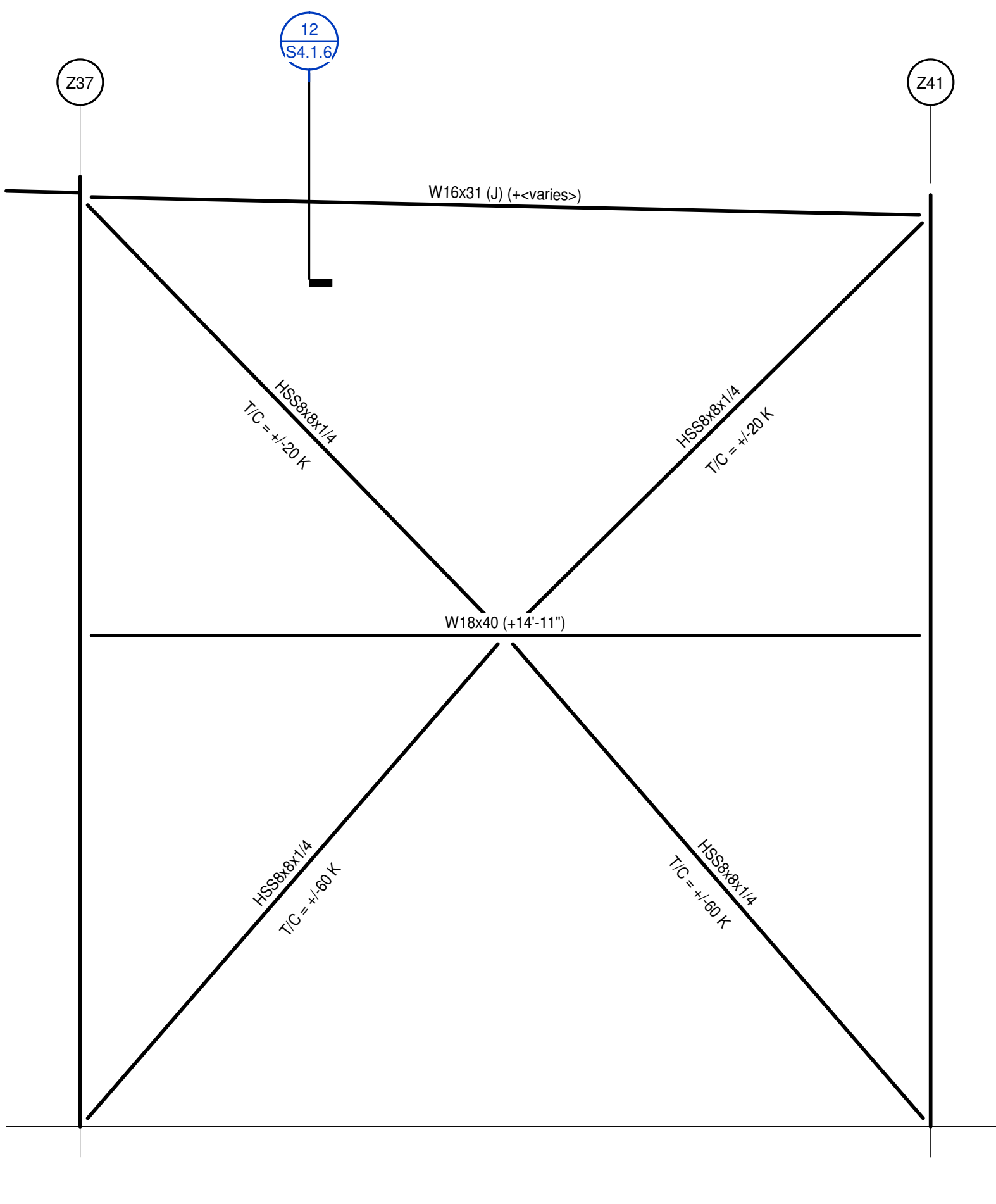
4 FRAME 4
S1.1.2/SS.1.1 1/4" = 1'-0"



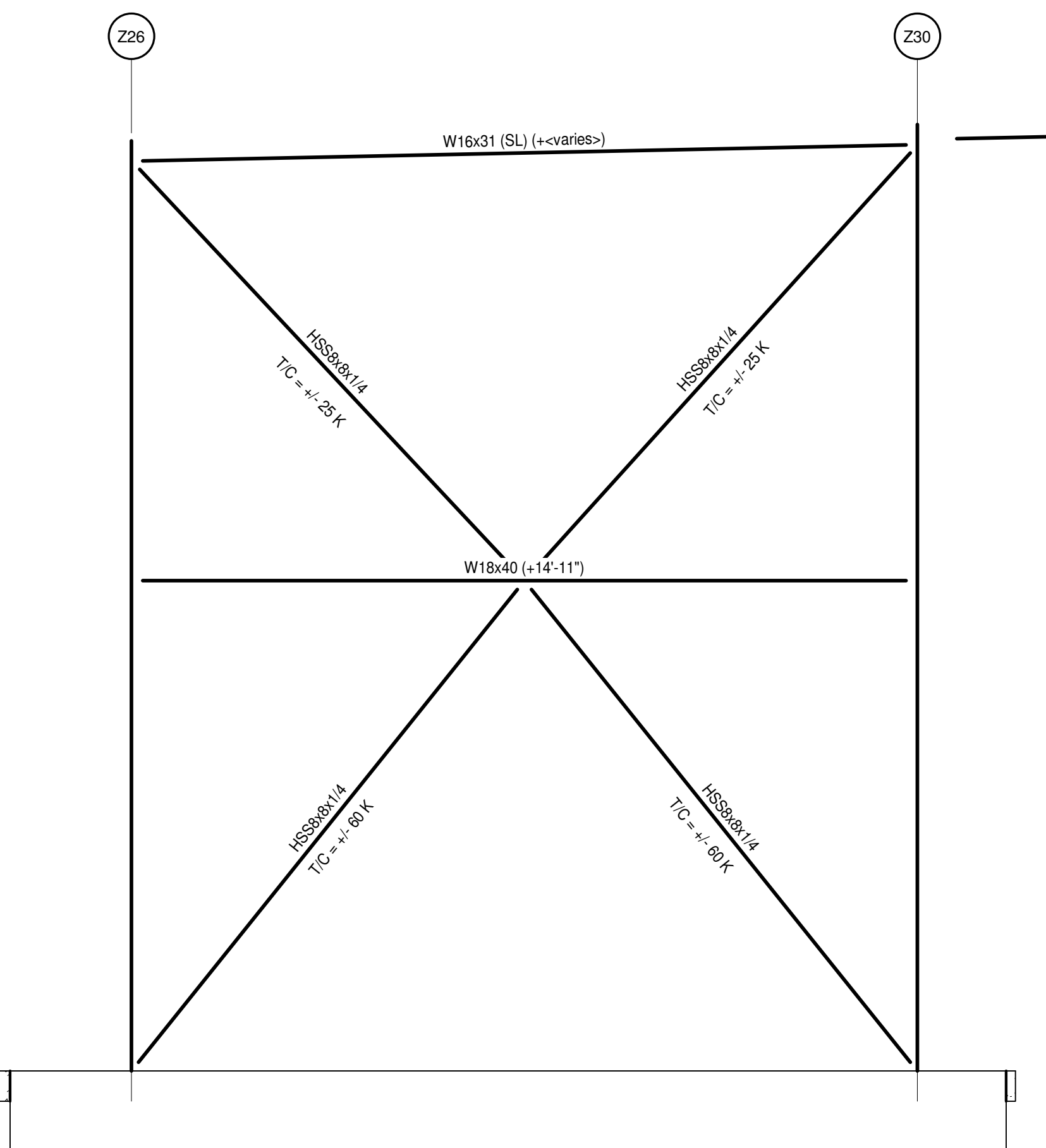
2 FRAME 2
S1.1.7/SS.1.1 1/4" = 1'-0"



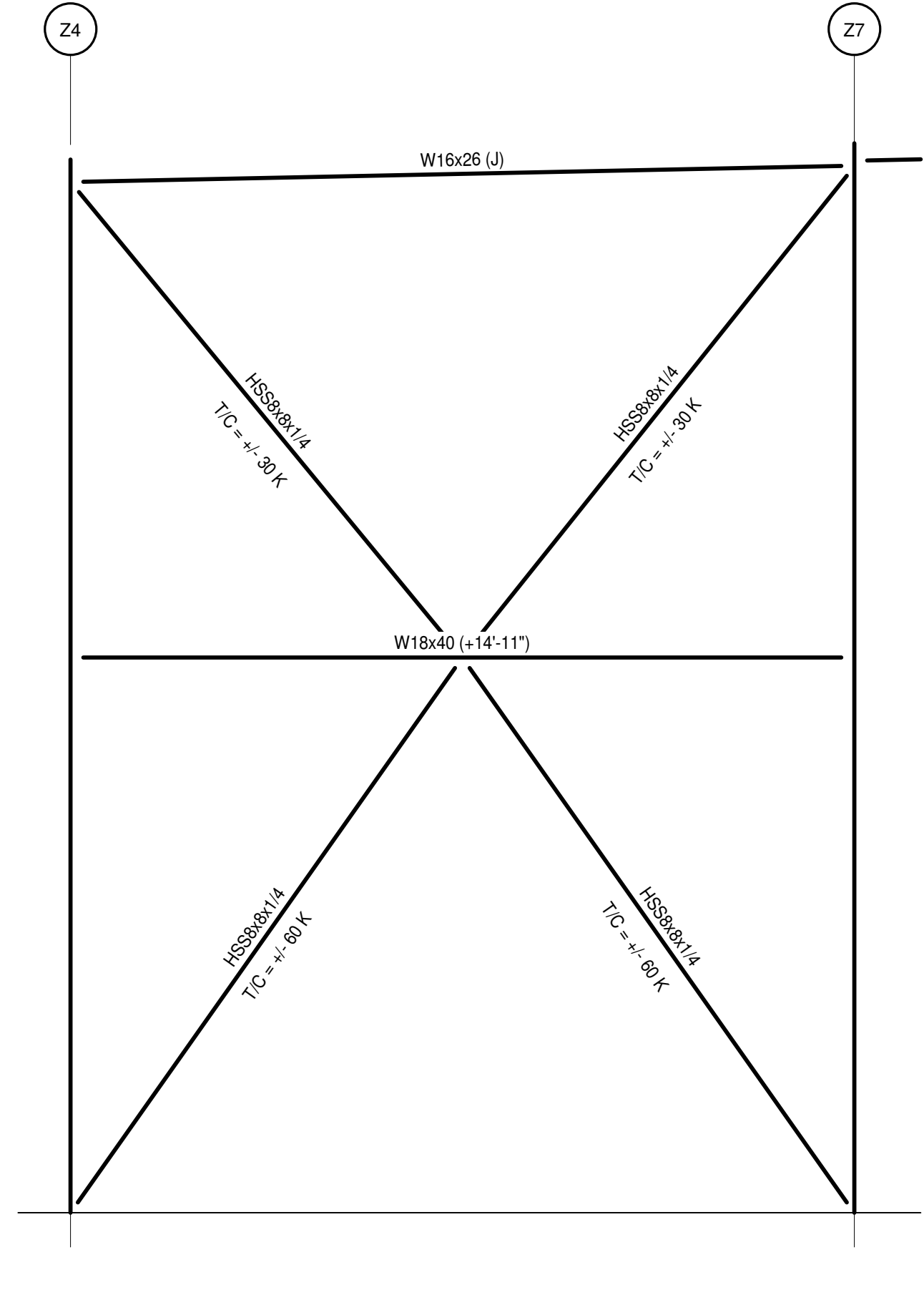
1 FRAME 1
S1.1.7/SS.1.1 1/4" = 1'-0"



7 FRAME 7
S1.1.8/SS.1.1 1/4" = 1'-0"

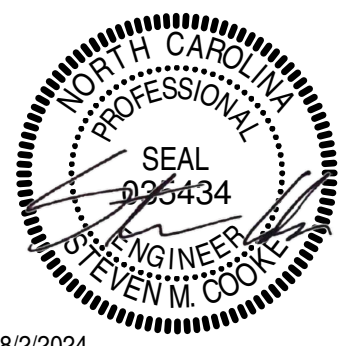


5 FRAME 5
S1.1.8/SS.1.1 1/4" = 1'-0"



3 FRAME 3
S1.1.7/SS.1.1 1/4" = 1'-0"

- DELEGATED DESIGN CONNECTION NOTES**
- DESIGN OF ALL BRACING CONNECTIONS SHALL BE PROVIDED BY THE FABRICATOR'S ENGINEER.
 - THE UNIFORM FORCE METHOD SHALL BE USED TO DESIGN BRACING CONNECTIONS. DO NOT USE ANY SPECIAL CASES ASSOCIATED WITH THE UNIFORM FORCE METHOD. DO NOT USE KISS METHOD OR PARALLEL FORCE METHOD.
 - DESIGN CALCULATIONS, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA, SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
 - FABRICATOR SHALL REVIEW SHOP DRAWINGS FOR COORDINATION WITH CONNECTION DESIGN CALCULATIONS PRIOR TO SUBMITTING TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD FOR REVIEW.
 - BRACING LOADS INDICATED ON SS.1.1-SS.2.1 FRAME ELEVATIONS ARE SERVICE LOADS TO BE USED WITH ASD DESIGN METHODOLOGY. BRACING LOADS SHALL BE CONSIDERED TO BE BOTH TENSION AND COMPRESSION.
 - SHEAR LOADS AT THE ENDS OF BRACED FRAME BEAMS ON SS.1.1-SS.2.1 FRAME ELEVATIONS ARE SERVICE LOADS (DEAD + LIVE) MAXIMUMS TO BE USED IN DESIGN OF BRACING CONNECTIONS.
 - SHORT HORIZONTAL SLOTTED HOLES MAY BE USED ONLY IN THE LEG OF THE ANGLES THAT CONNECT TO THE COLUMN. ALL OTHER HOLES IN BRACING CONNECTIONS SHALL BE STANDARD ROUND HOLES.
 - ALL CONNECTIONS WITH TRANSFER/COLLECTOR FORCES INDICATED ON SS.1.1-SS.2.1 FRAME ELEVATIONS, SHALL HAVE FULLY PRETENSIONED BOLTS IN ALL CONNECTIONS TO THE COLUMNS. USE ASTM F1852 OR F2280 TENSION CONTROL BOLTS FOR THESE PRETENSIONED CONNECTIONS. ALL OTHER CONNECTIONS MAY BE SNUG TIGHTENED.
 - MOMENT CONNECTIONS OF BEAMS TO COLUMNS SHALL BE DESIGNED BY THE STEEL FABRICATOR'S ENGINEER FOR THE FULL BENDING MOMENT CAPACITY OF THE BEAM (UNO) AND FOR THE SHEAR FORCES INDICATED ON THE FRAMING PLANS. LOADS INDICATED ARE SERVICE LOADS TO BE USED WITH ASD DESIGN METHODOLOGY.
 - HORIZONTAL LOADS INDICATED WITH THE LETTERS "SLRS" ON FRAMING PLANS ARE TRANSFER FORCES INTO THE COLLECTOR BEAMS OF ADJACENT BAYS. THESE SERVICE LOADS ARE TO BE CONSIDERED TO OCCUR IN EITHER DIRECTION IN THE DESIGN OF BRACING CONNECTIONS. REFER TO FRAMING PLANS FOR OTHER TRANSFER FORCE LOCATIONS.



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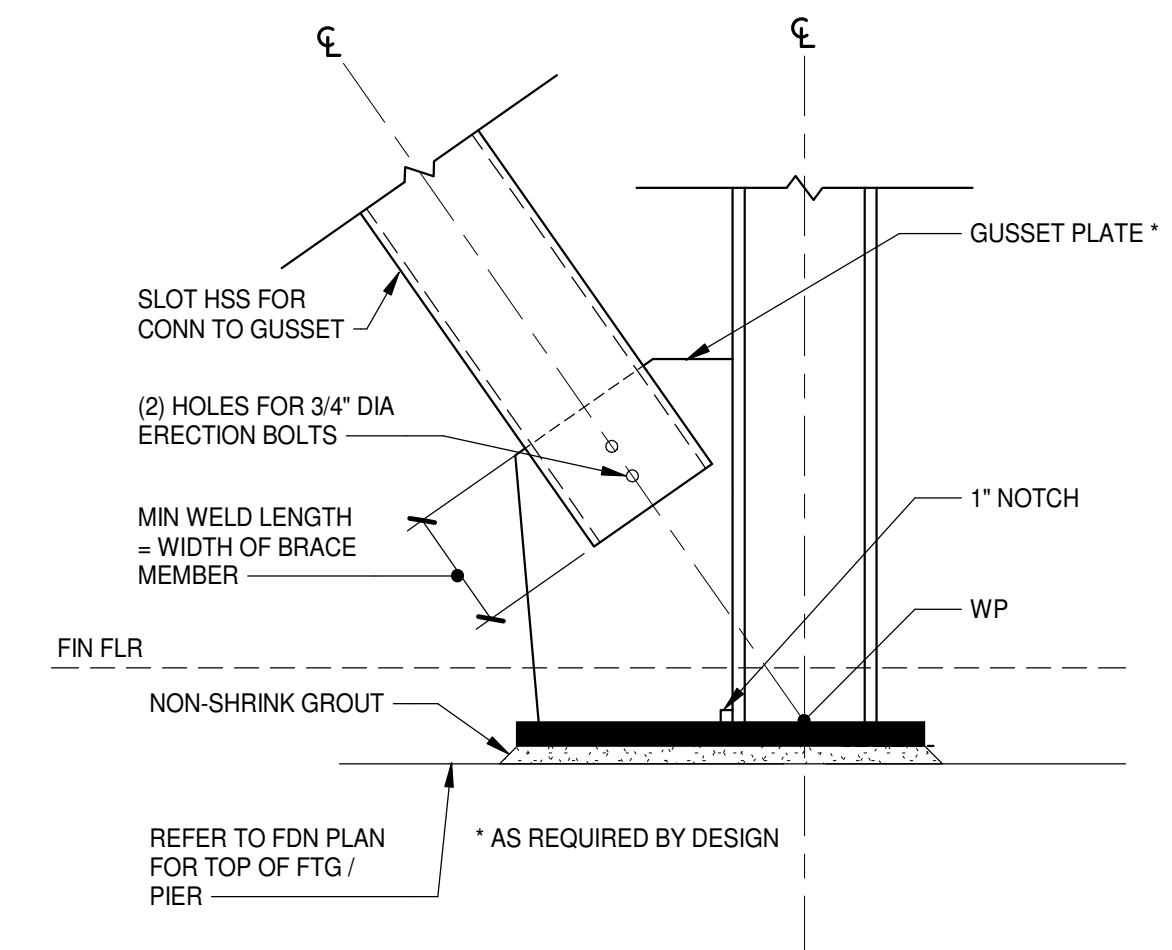
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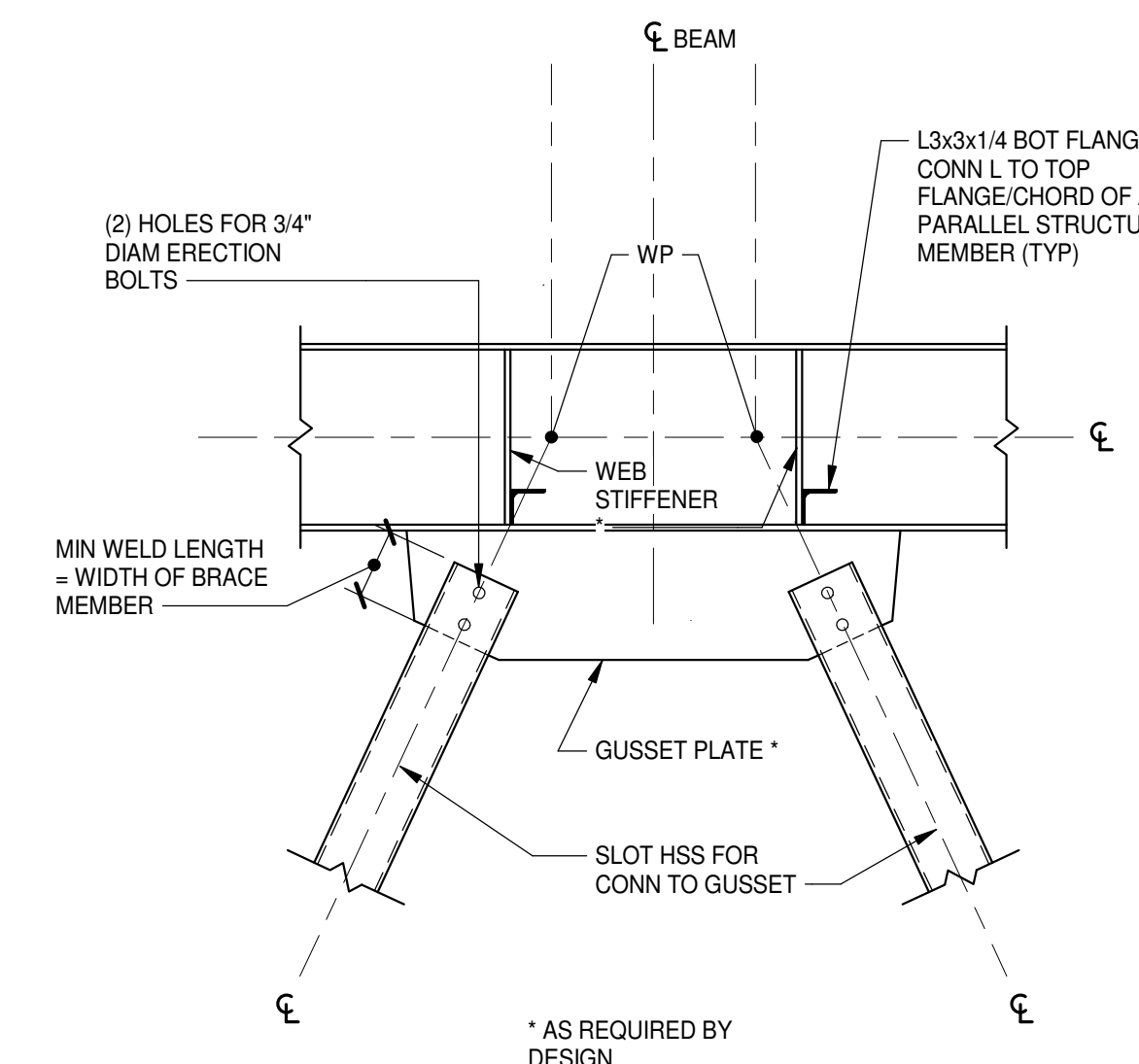
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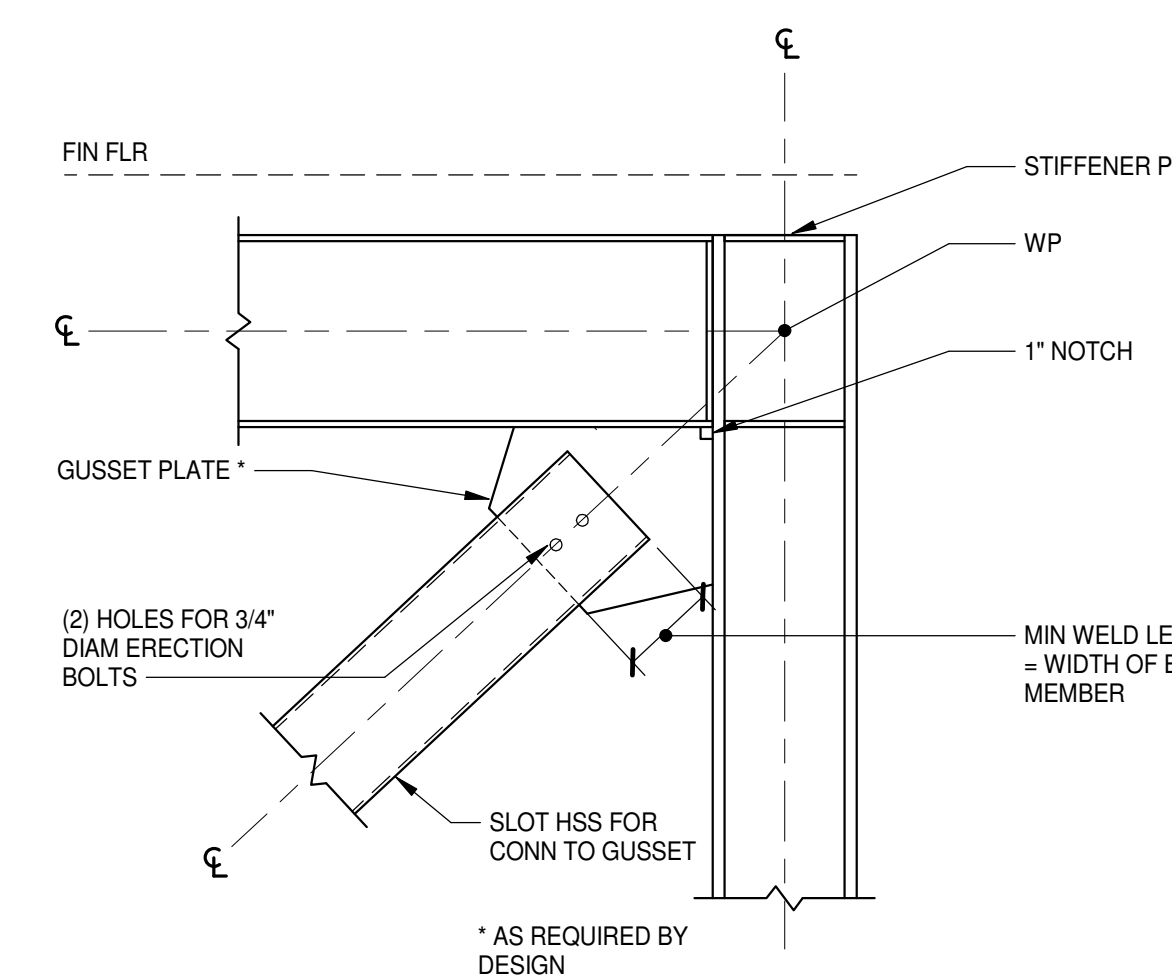
1 **DETAIL**
S5.1.2 3/4" = 1'-0"



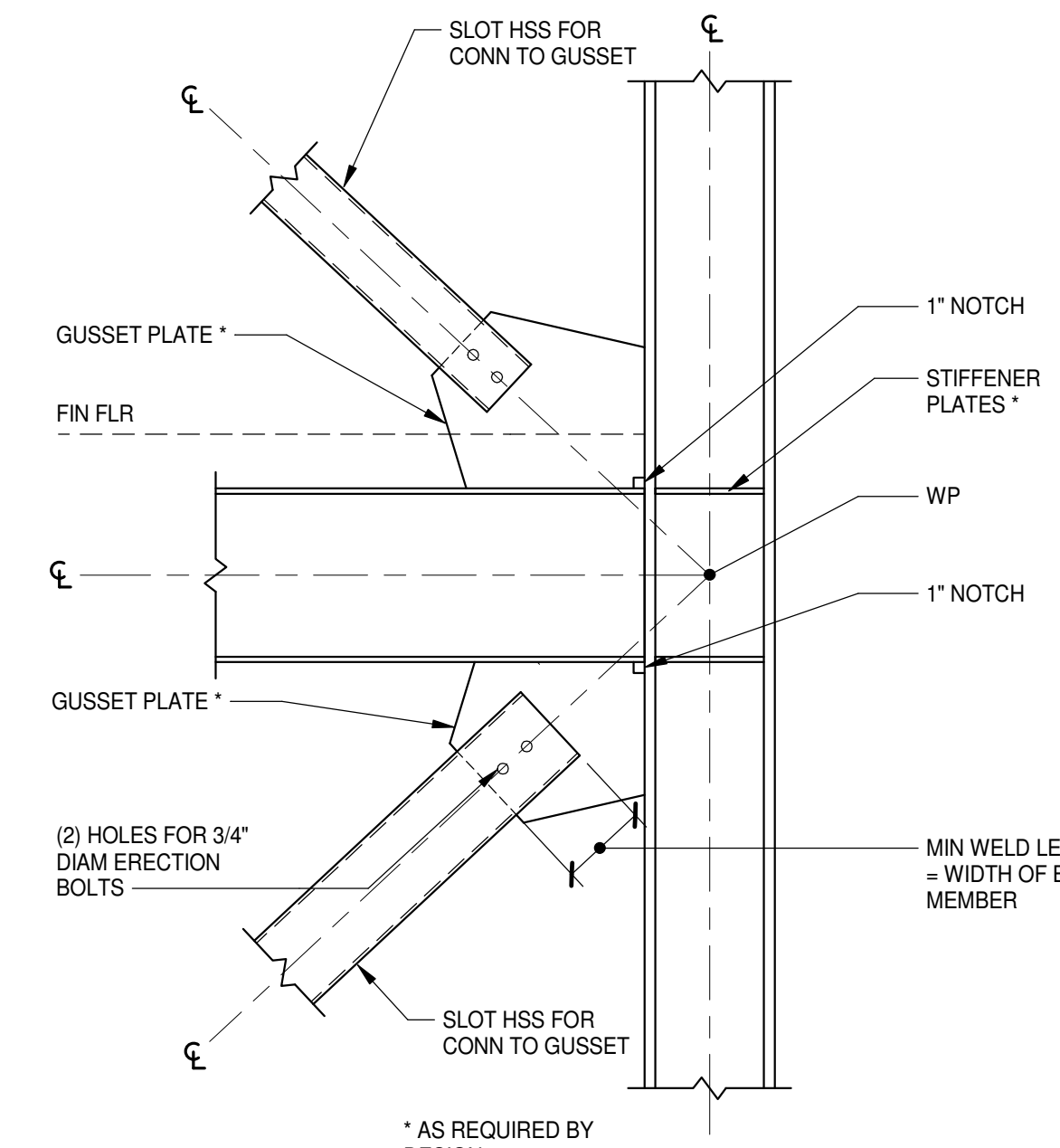
2 **DETAIL**
S5.1.2 3/4" = 1'-0"



3 **DETAIL**
S5.1.2 3/4" = 1'-0"



4 **DETAIL**
S5.1.2 3/4" = 1'-0"



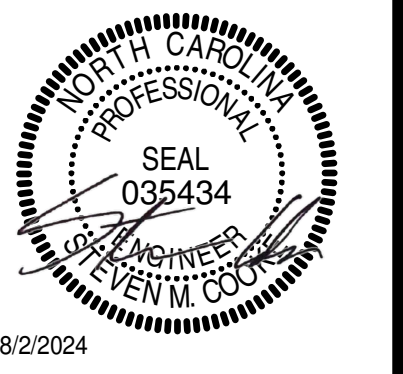
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**BRACED FRAME
DETAILS**

S5.1.2

PENDER COUNTY SCHOOLS K-8 SCHOOL

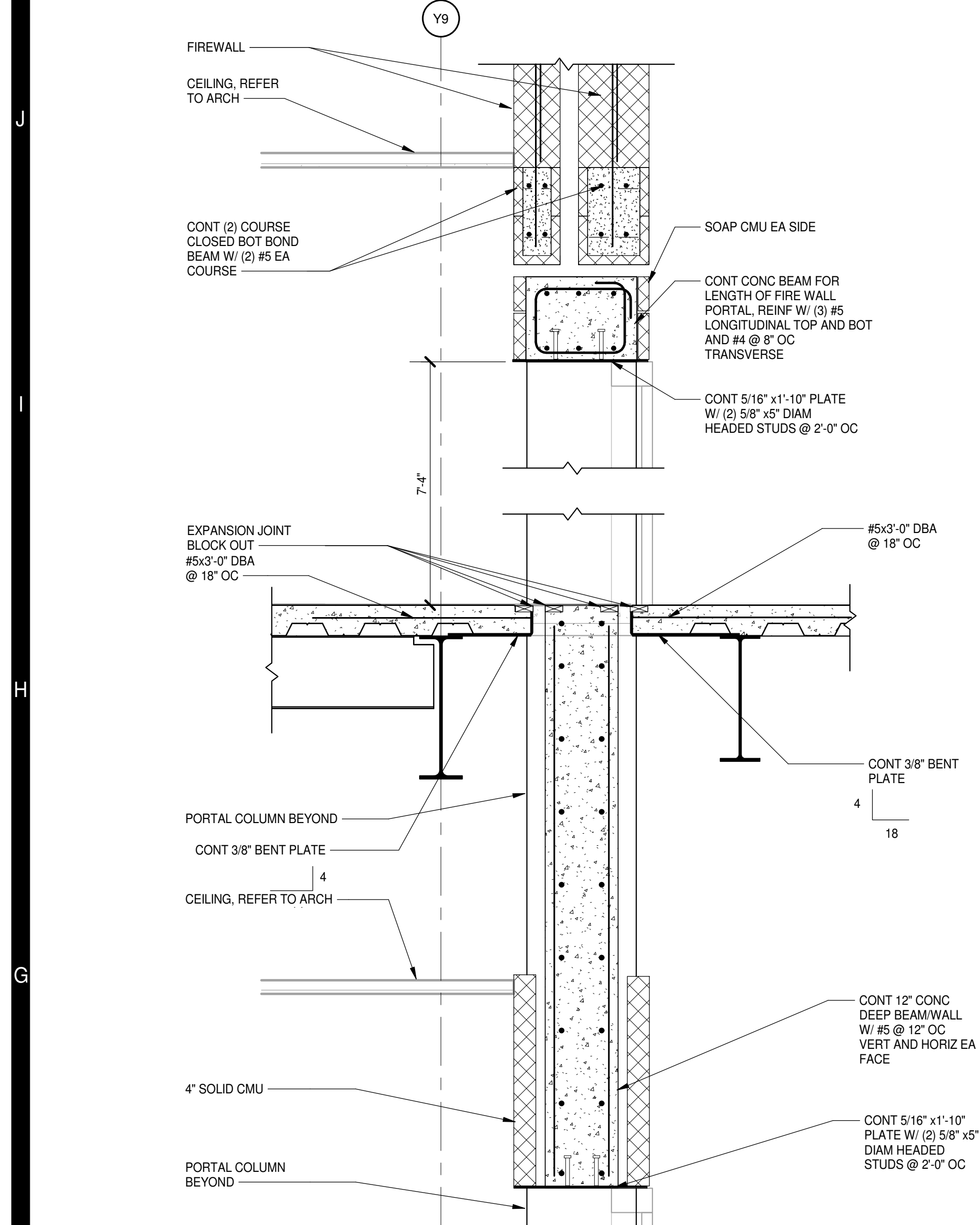
Pender County Schools
Highway 210, Hampstead, NC 28443



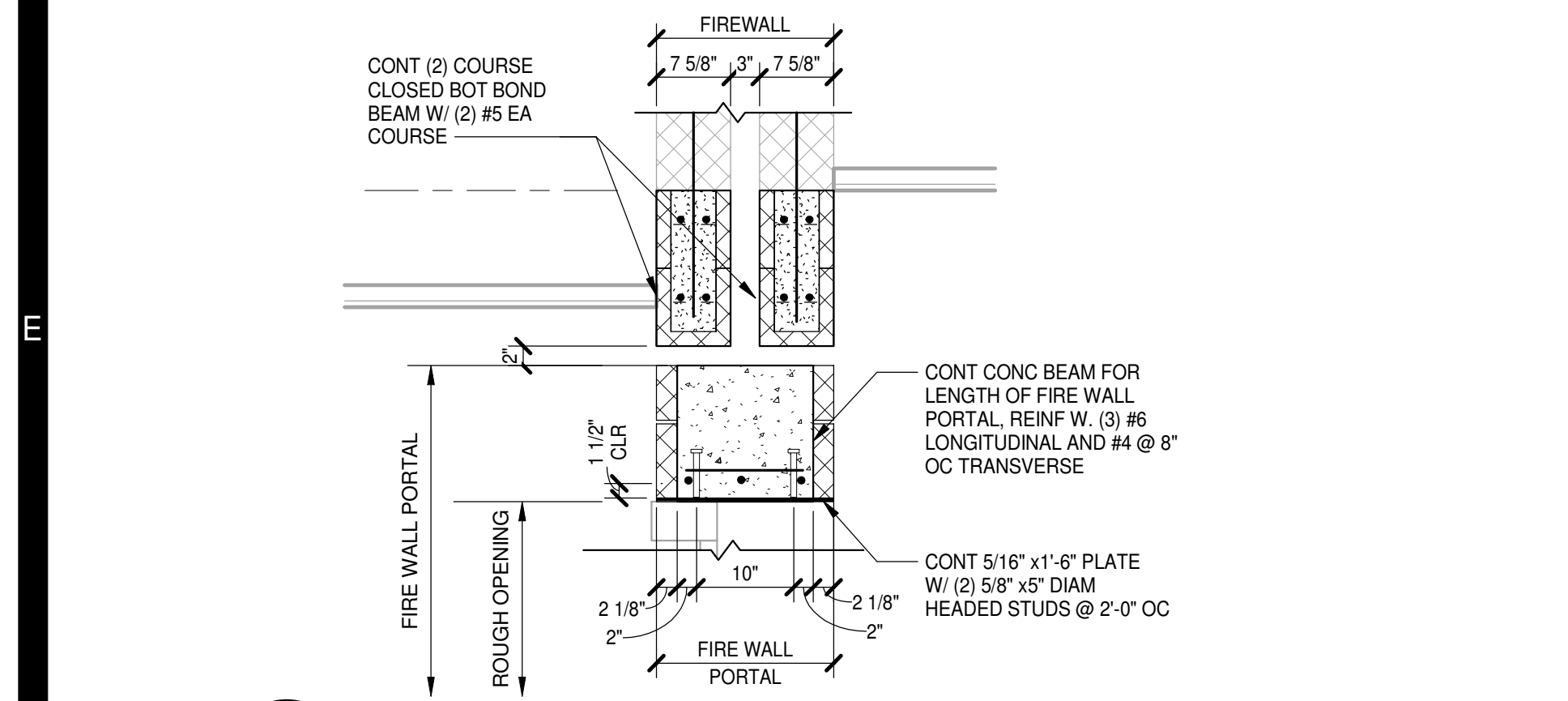
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MOSELEYARCHITECTS

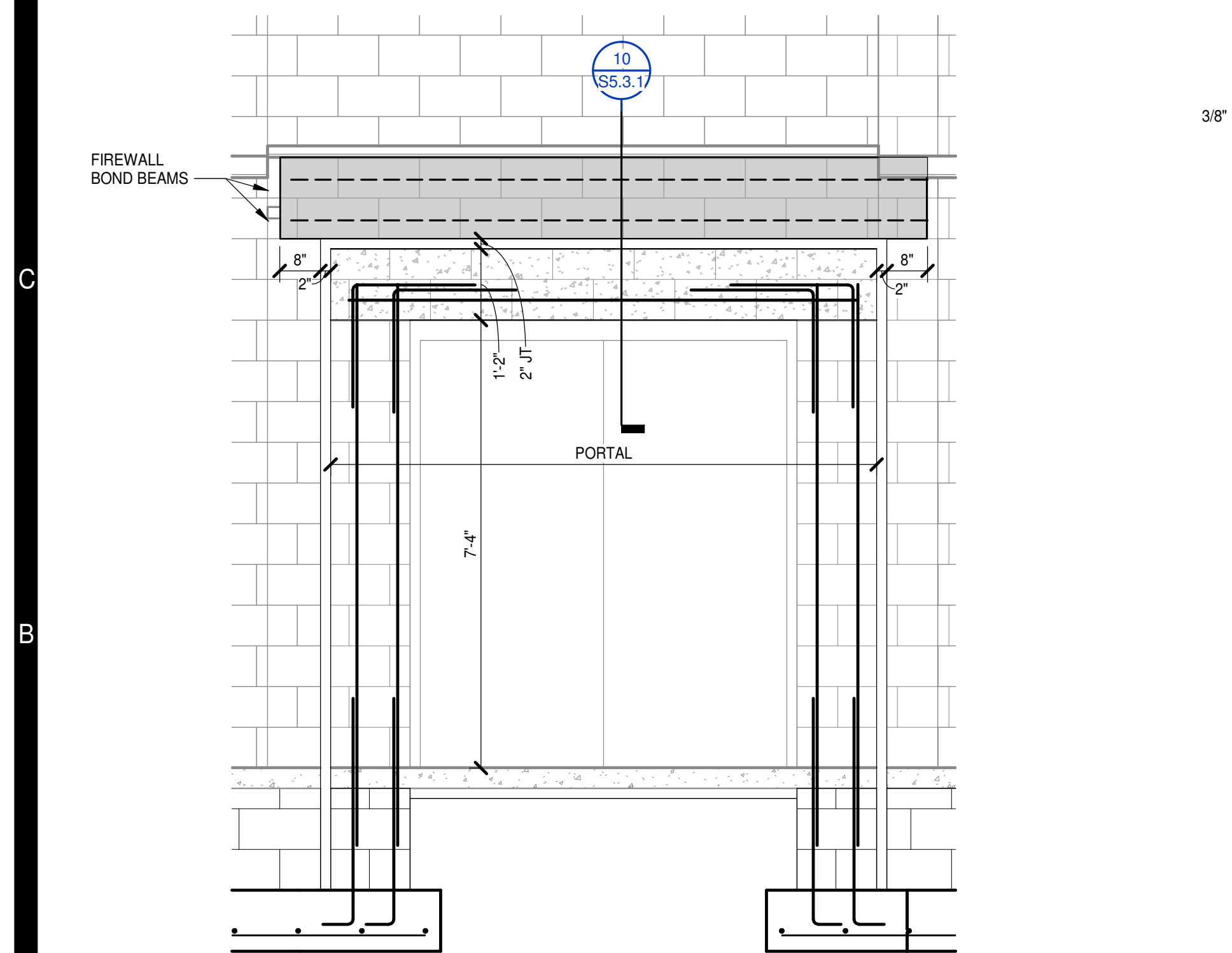
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0051
MOSELEYARCHITECTS.COM



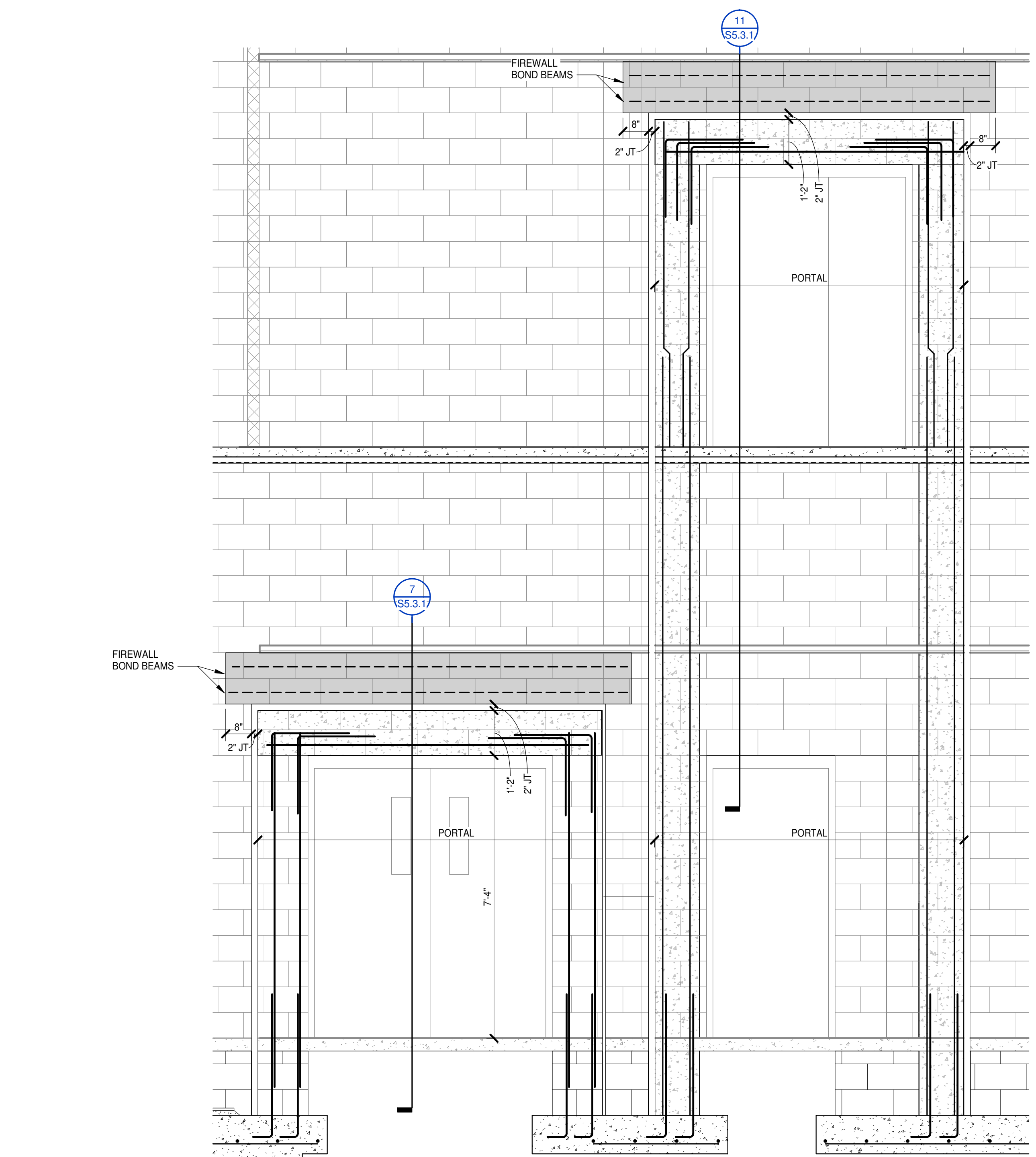
11 SECTION
S2.1.1 | S5.3.1 | 3/4" = 1'-0"



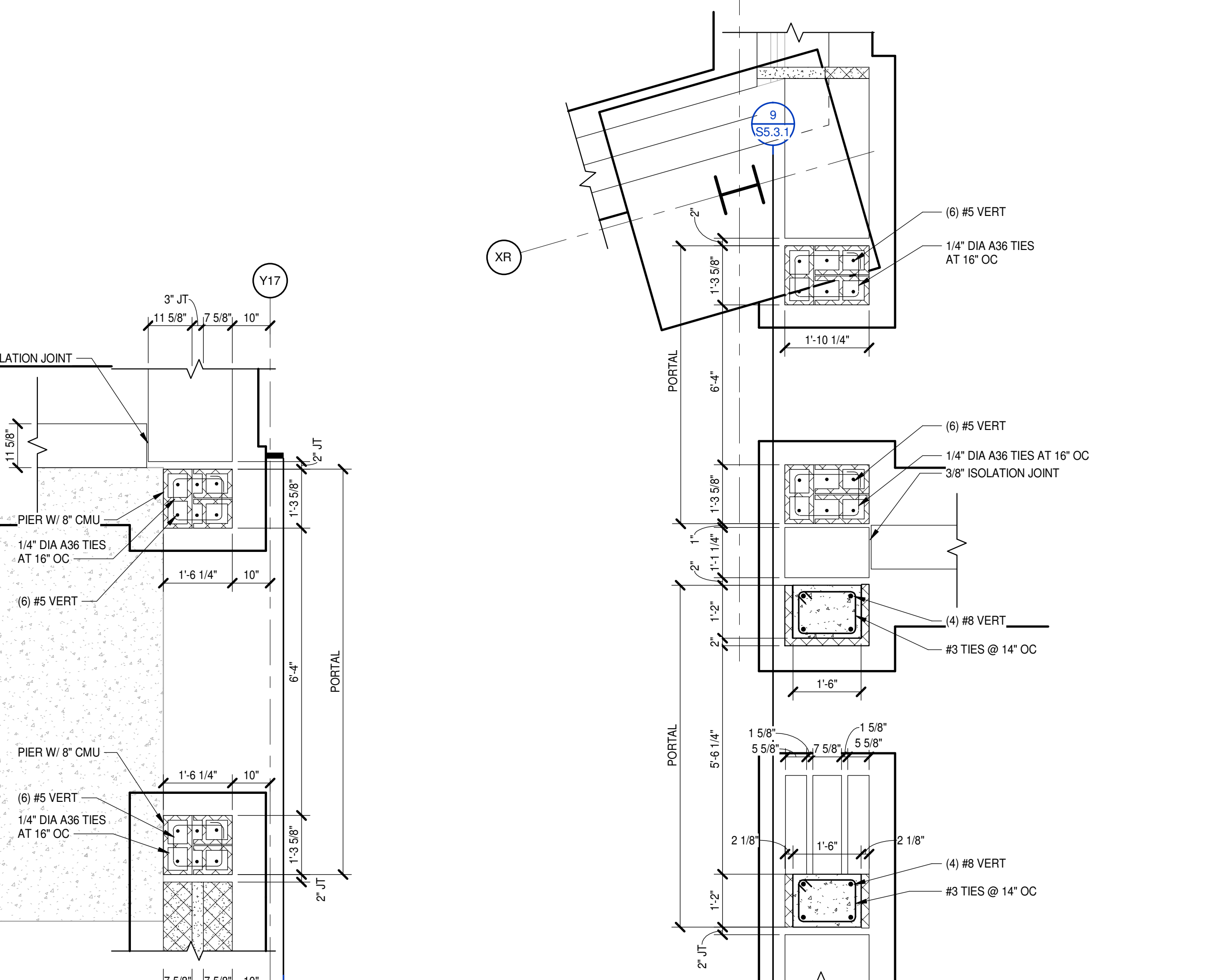
10 SECTION
S5.3.1 | S5.3.1 | 3/4" = 1'-0"



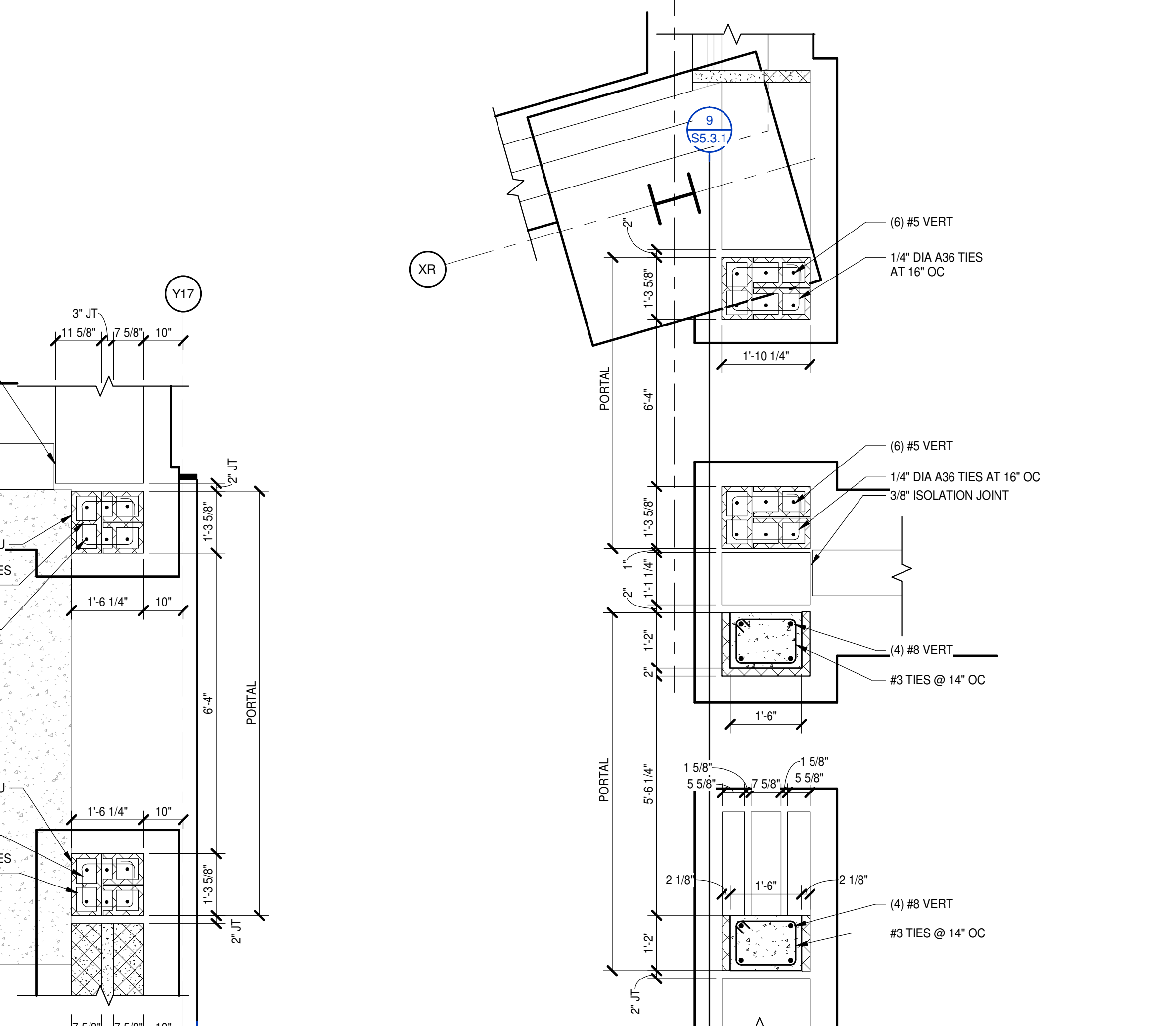
5 PORTAL A-4 ELEV
S5.3.1 | S5.3.1 | 1/2" = 1'-0"



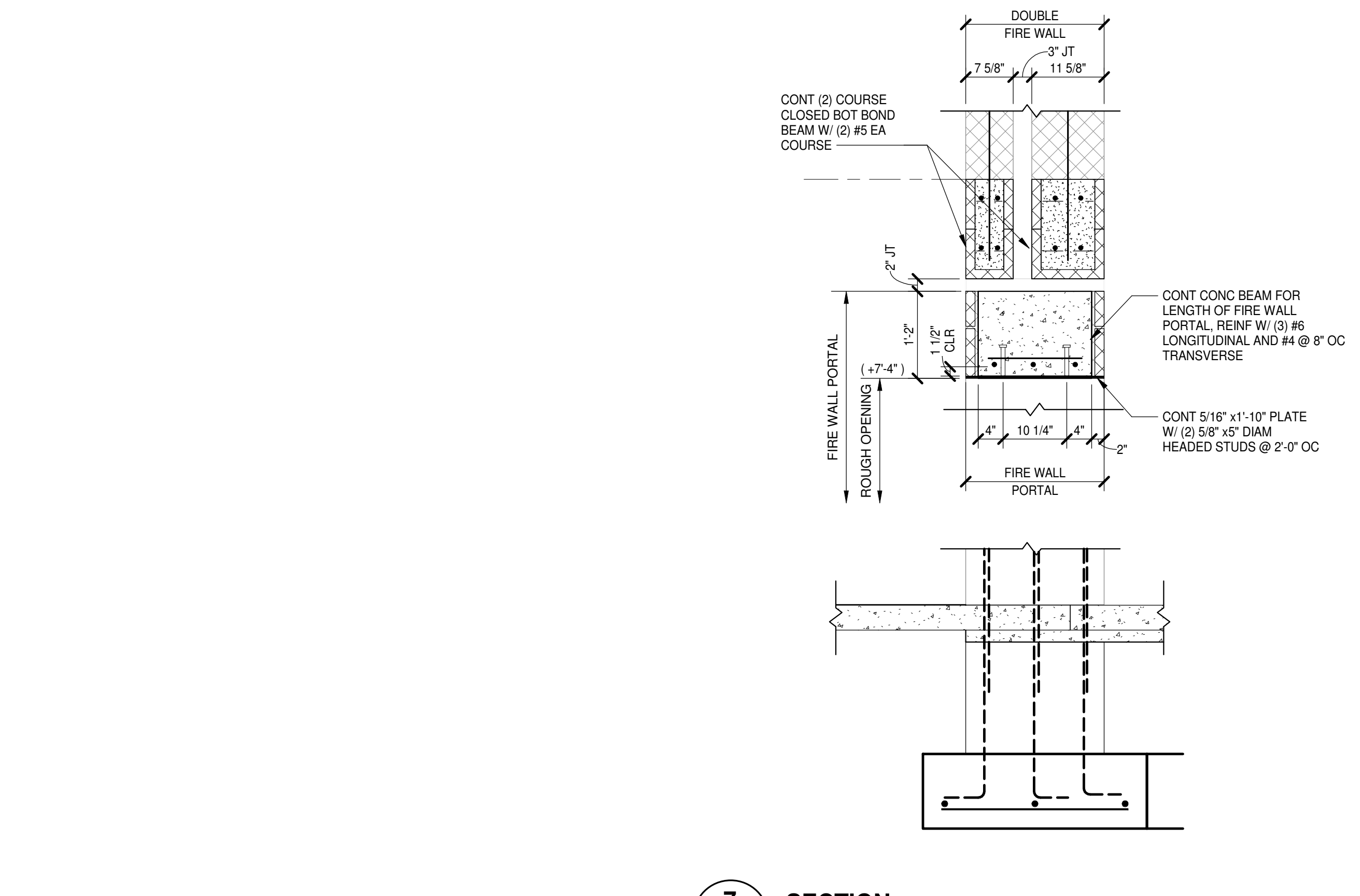
9 PORTAL A-3 ELEV
S1.1.1 | S5.3.1 | 1/2" = 1'-0"



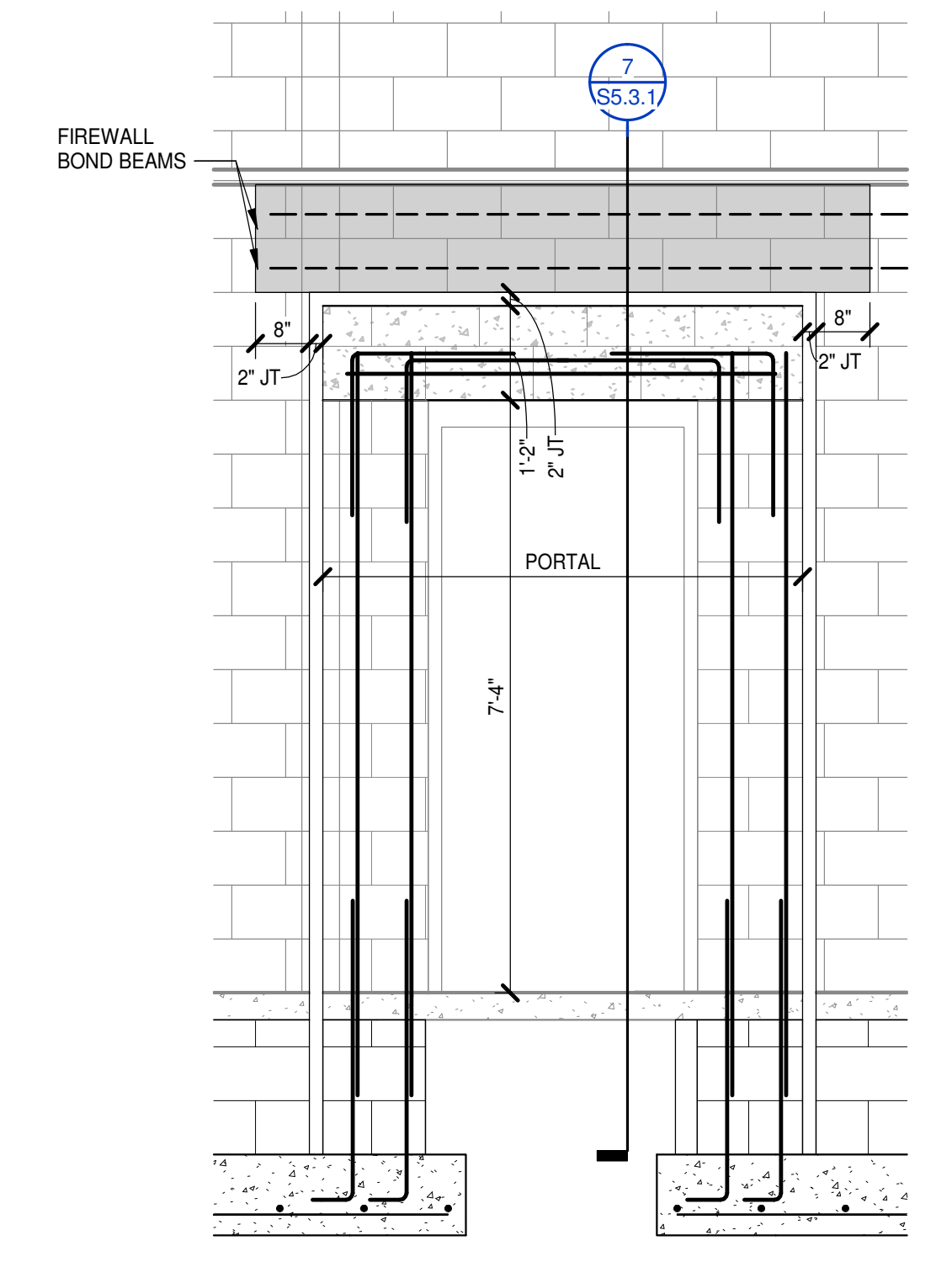
4 PORTAL A-4
S1.1.1 | S5.3.1 | 1/2" = 1'-0"



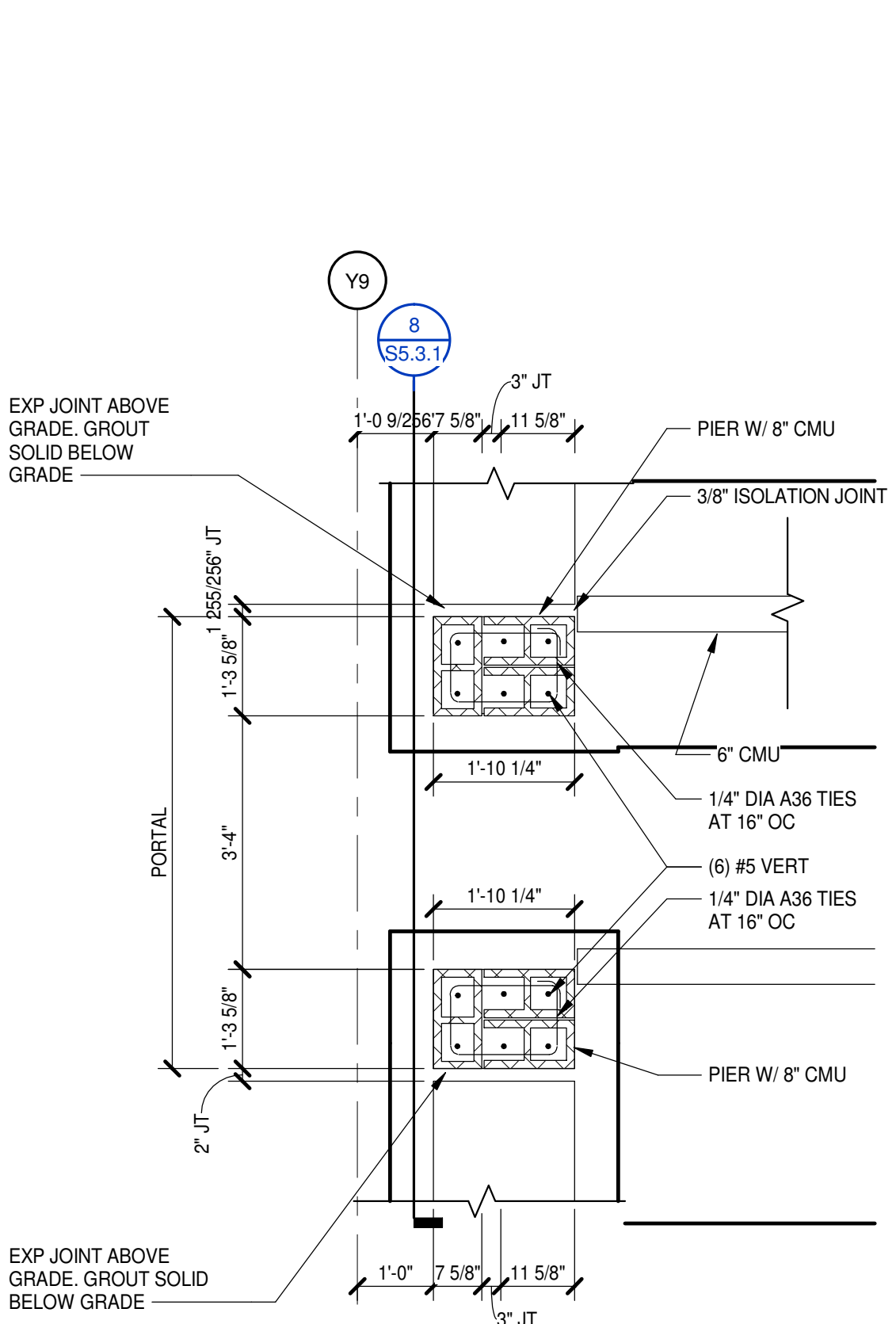
3 PORTAL A-3
S1.1.1 | S5.3.1 | 1/2" = 1'-0"



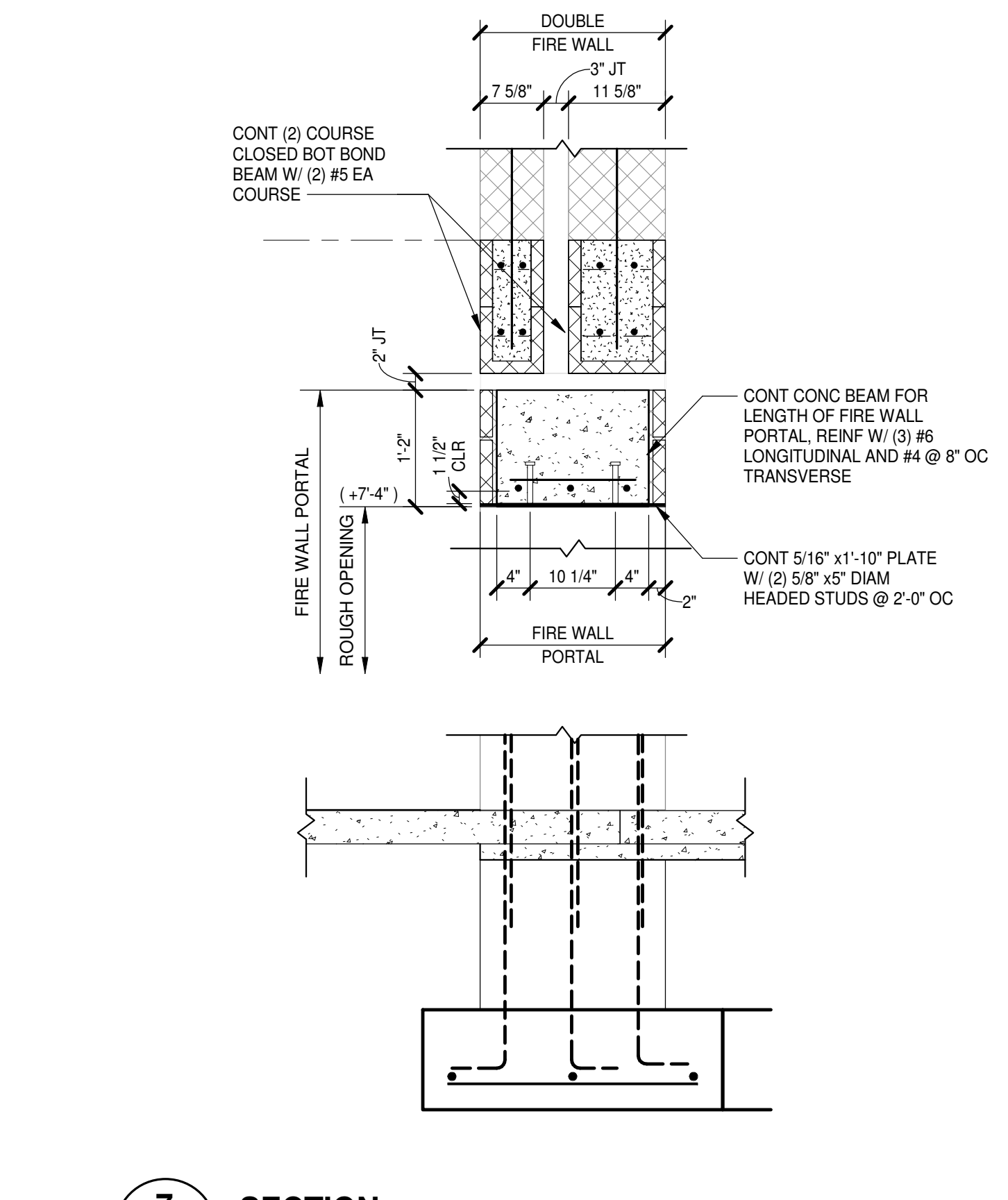
7 SECTION
S2.1.1 | S5.3.1 | 3/4" = 1'-0"



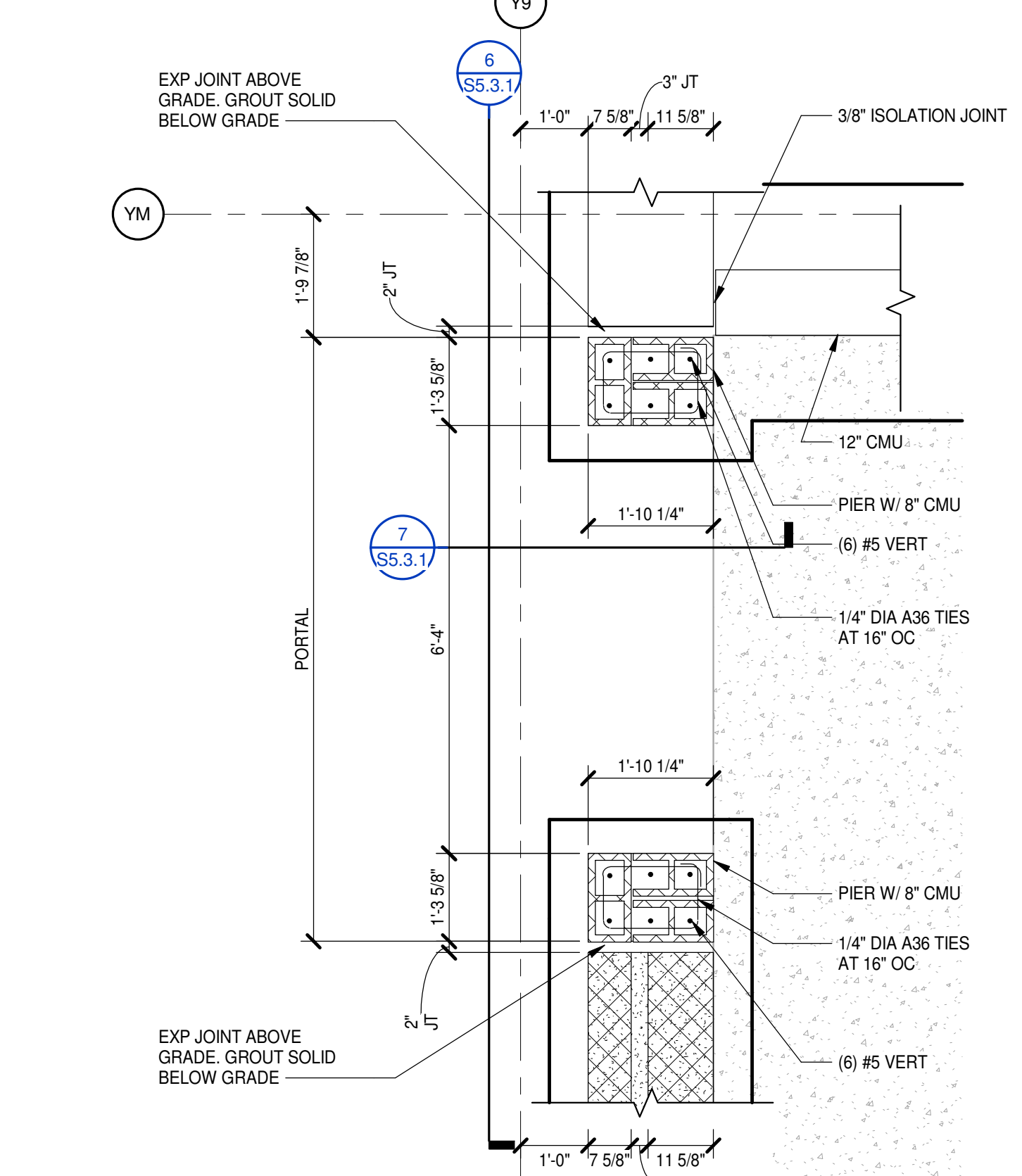
8 PORTAL A-2 ELEV
S5.3.1 | S5.3.1 | 1/2" = 1'-0"



2 PORTAL A-2
S1.1.1 | S5.3.1 | 1/2" = 1'-0"



6 PORTAL A-1 ELEV
S5.3.1 | S5.3.1 | 1/2" = 1'-0"



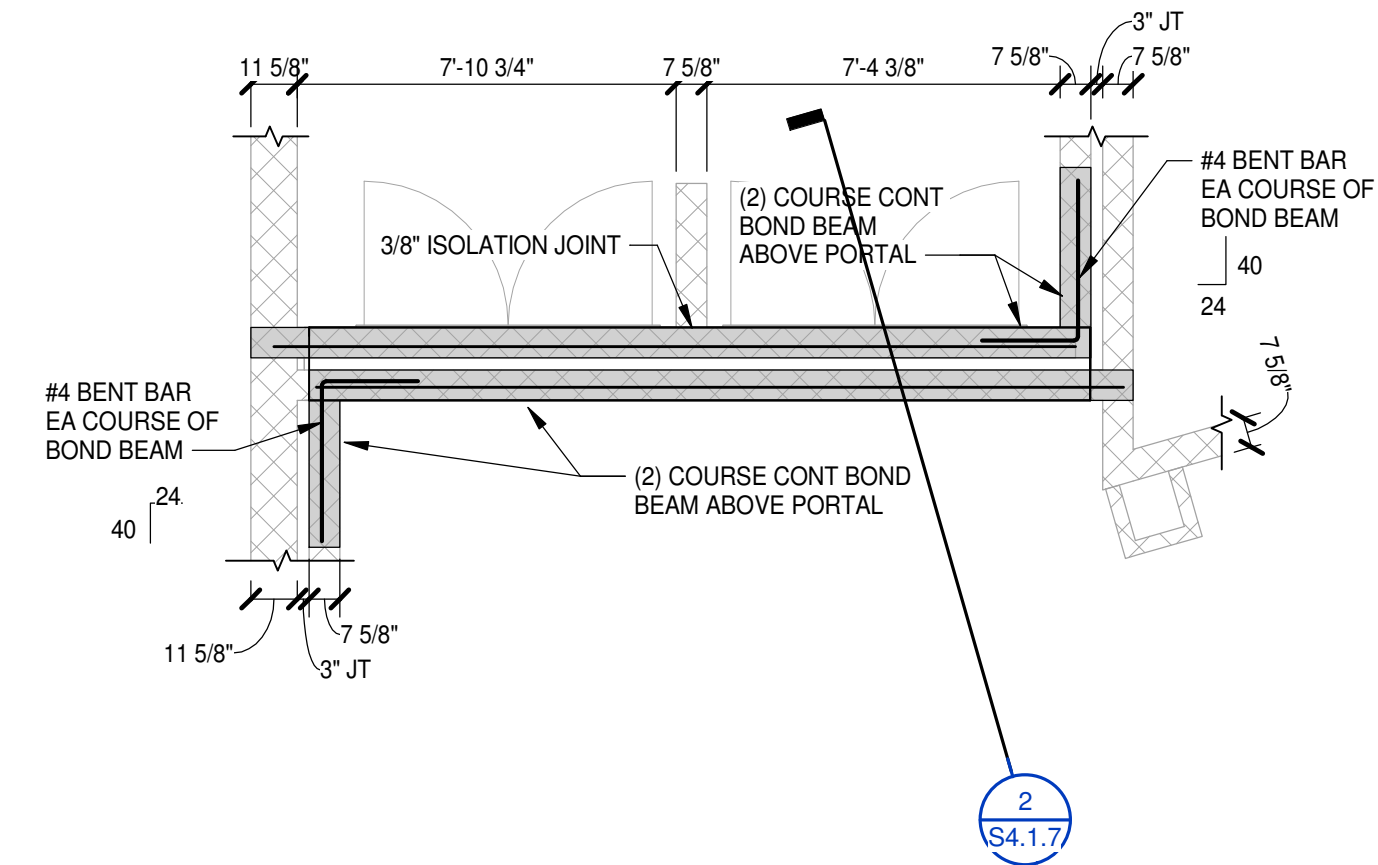
1 PORTAL A-1
S1.1.1 | S5.3.1 | 1/2" = 1'-0"



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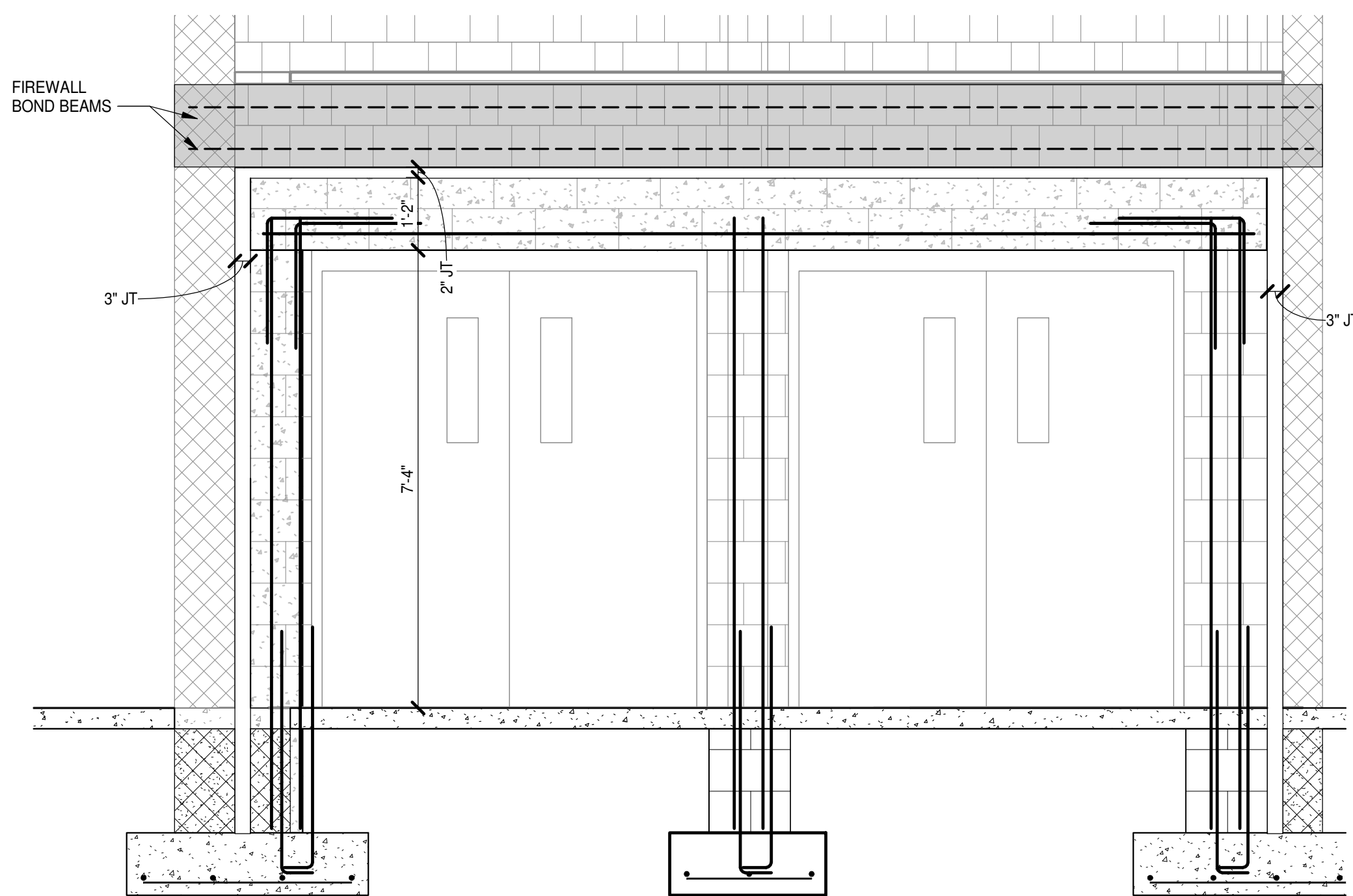
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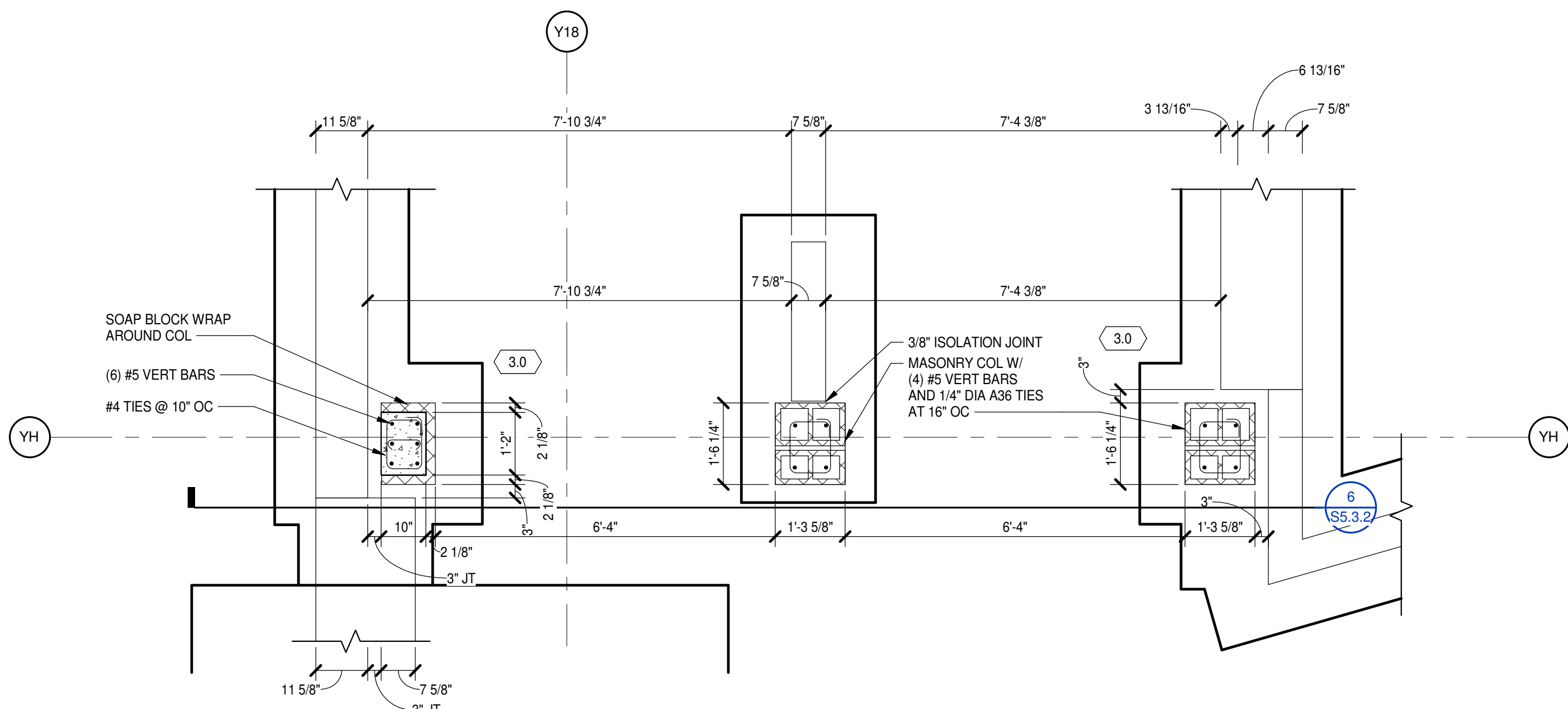
7 ENLARGED PLAN - PORTAL B-2

S2.1.2 | S5.3.2 1/4" = 1'-0"



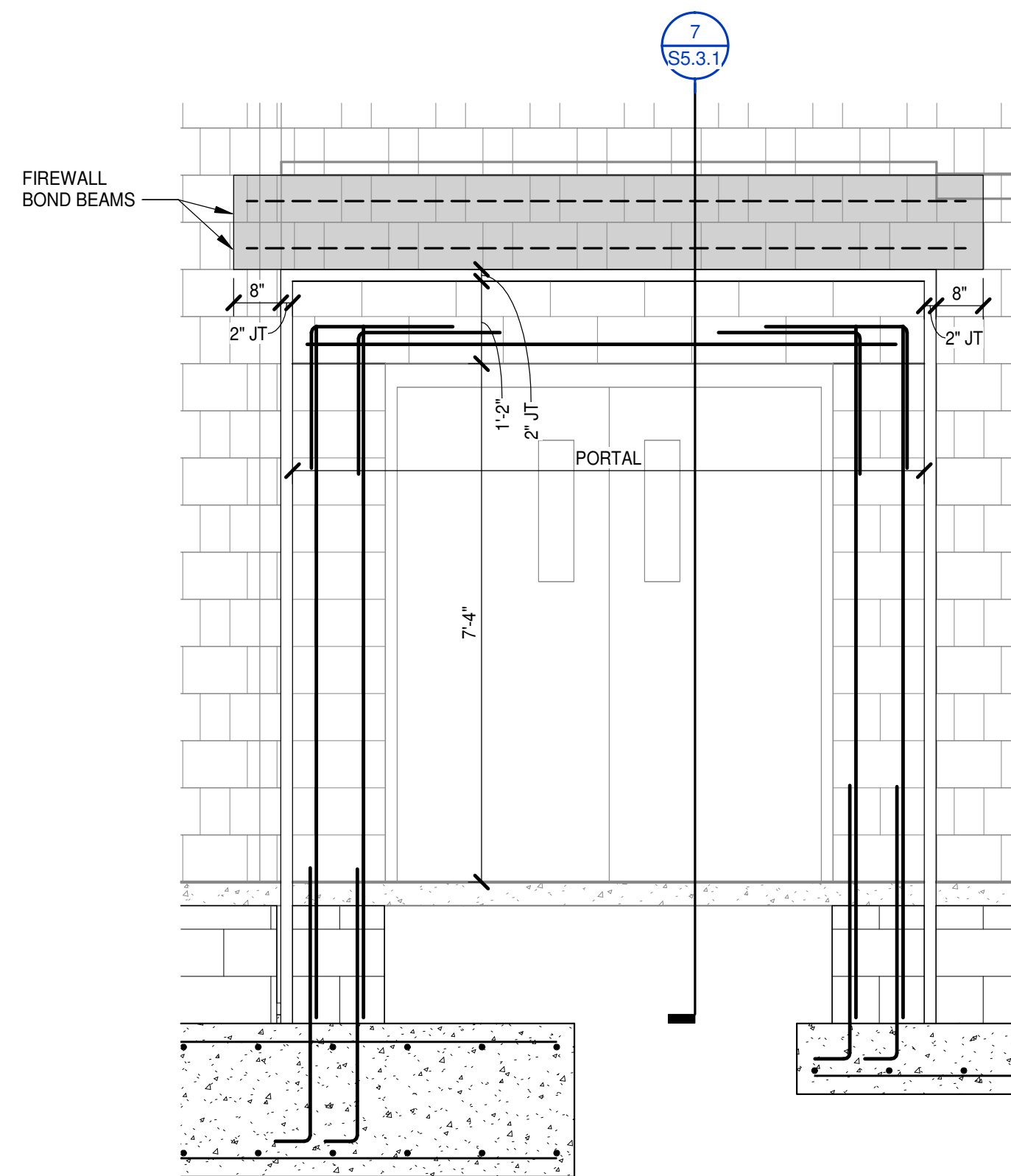
6 PORTAL B-2 ELEV

S5.3.2 | S5.3.2 1/2" = 1'-0"



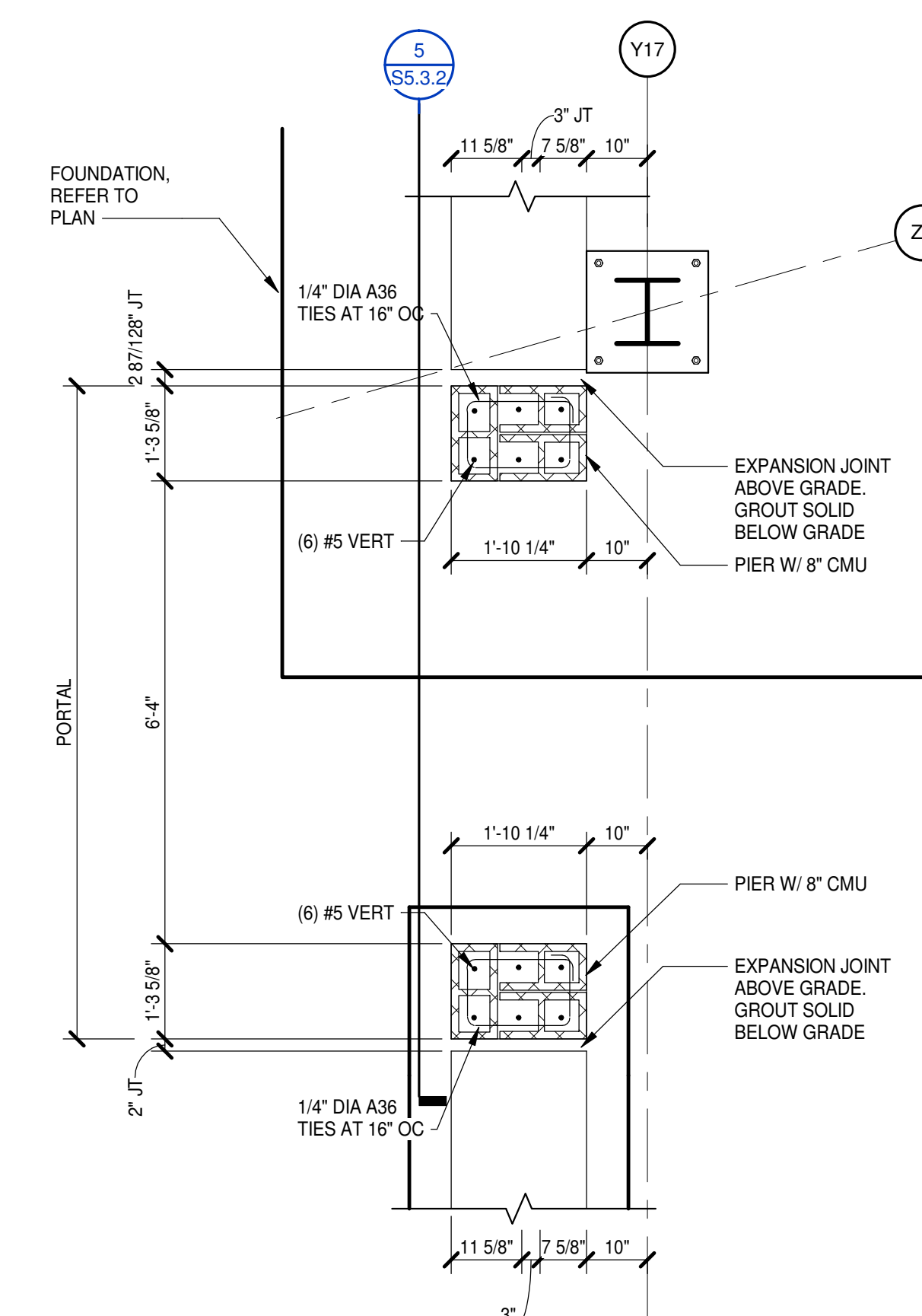
3 PORTAL B-2

S1.1.2 | S5.3.2 1/2" = 1'-0"



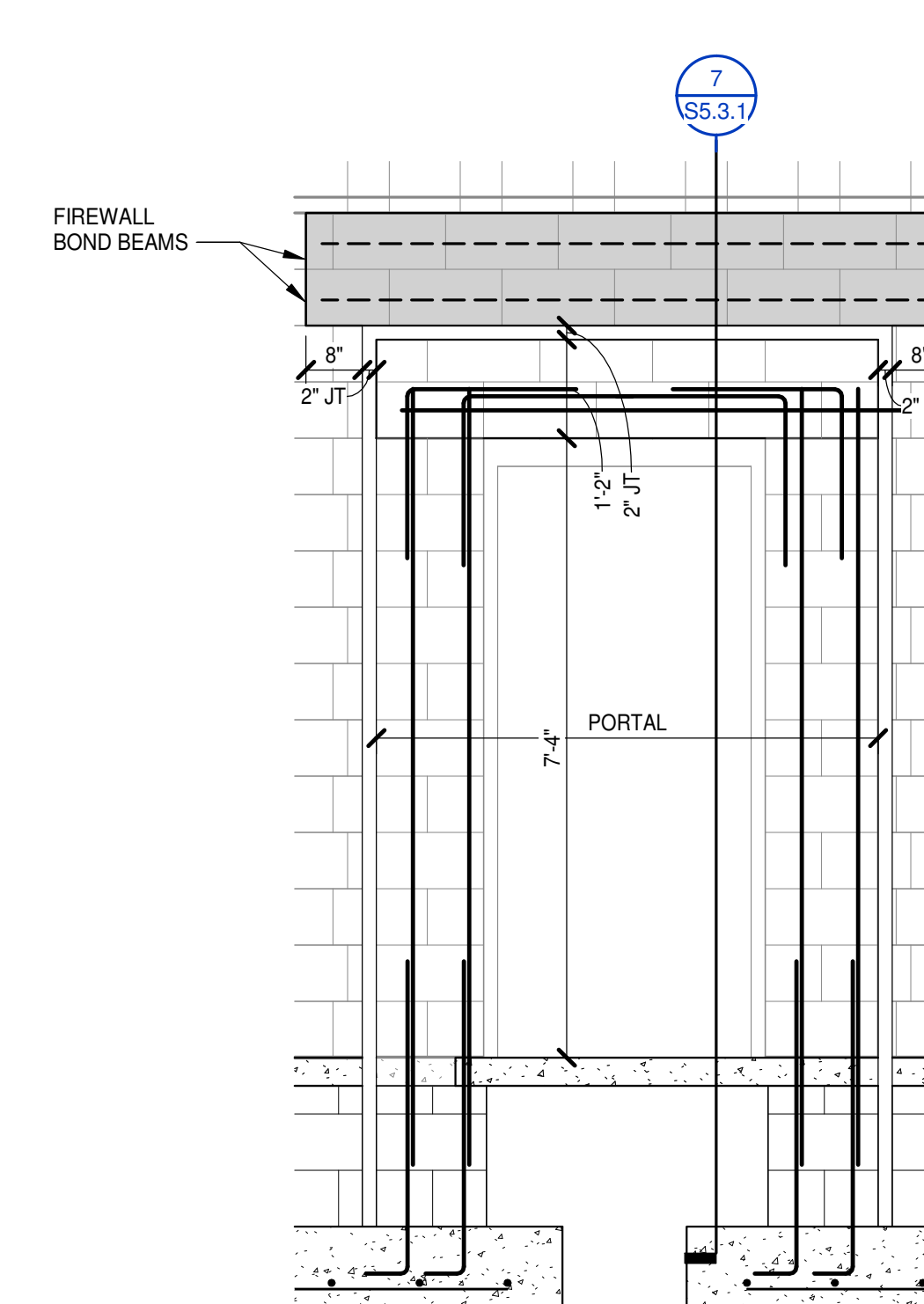
5 PORTAL B-1 ELEV

S5.3.2 | S5.3.2 1/2" = 1'-0"



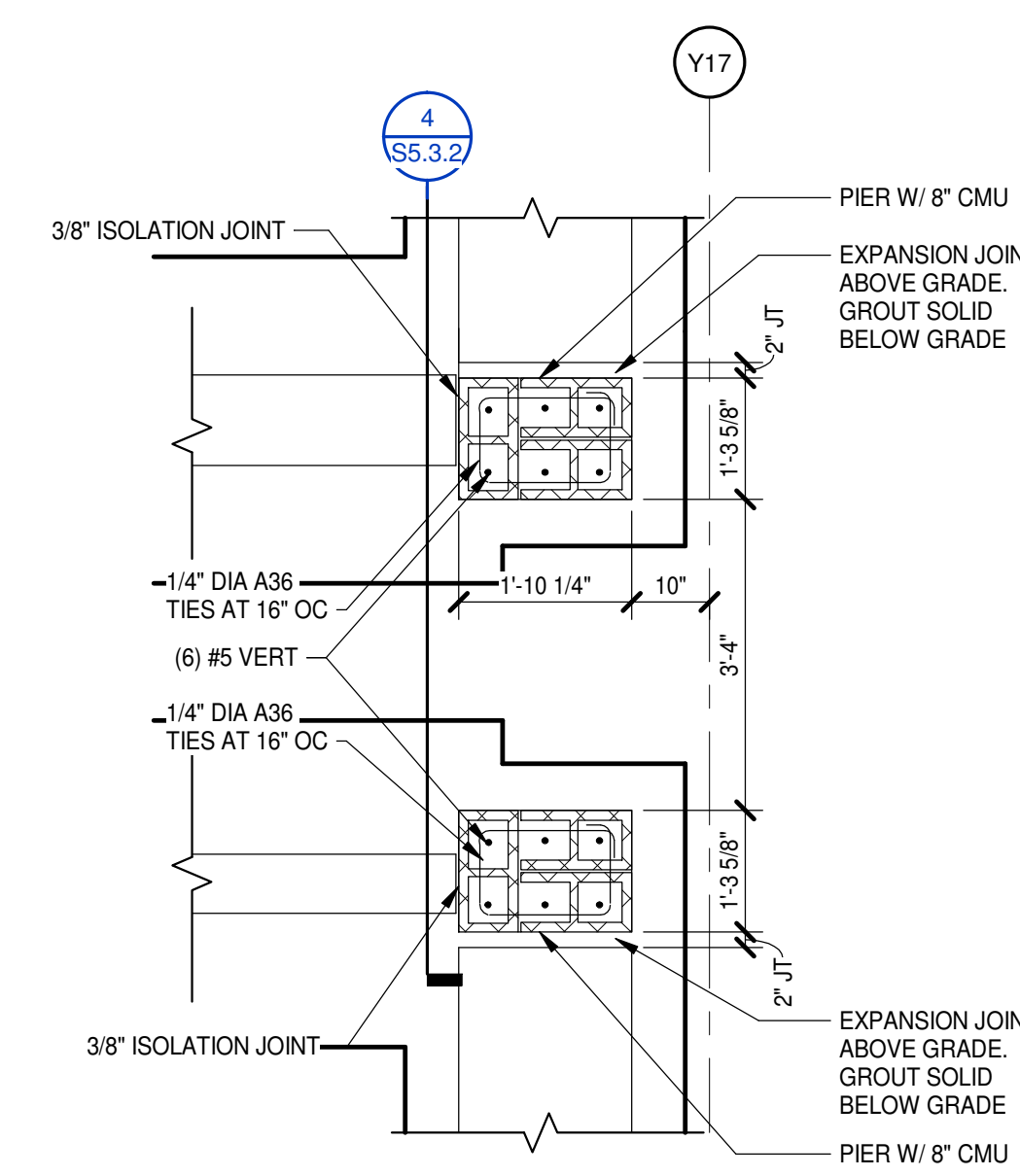
2 PORTAL B-1

S1.1.2 | S5.3.2 1/2" = 1'-0"



4 PORTAL A-5 ELEV

S5.3.2 | S5.3.2 1/2" = 1'-0"



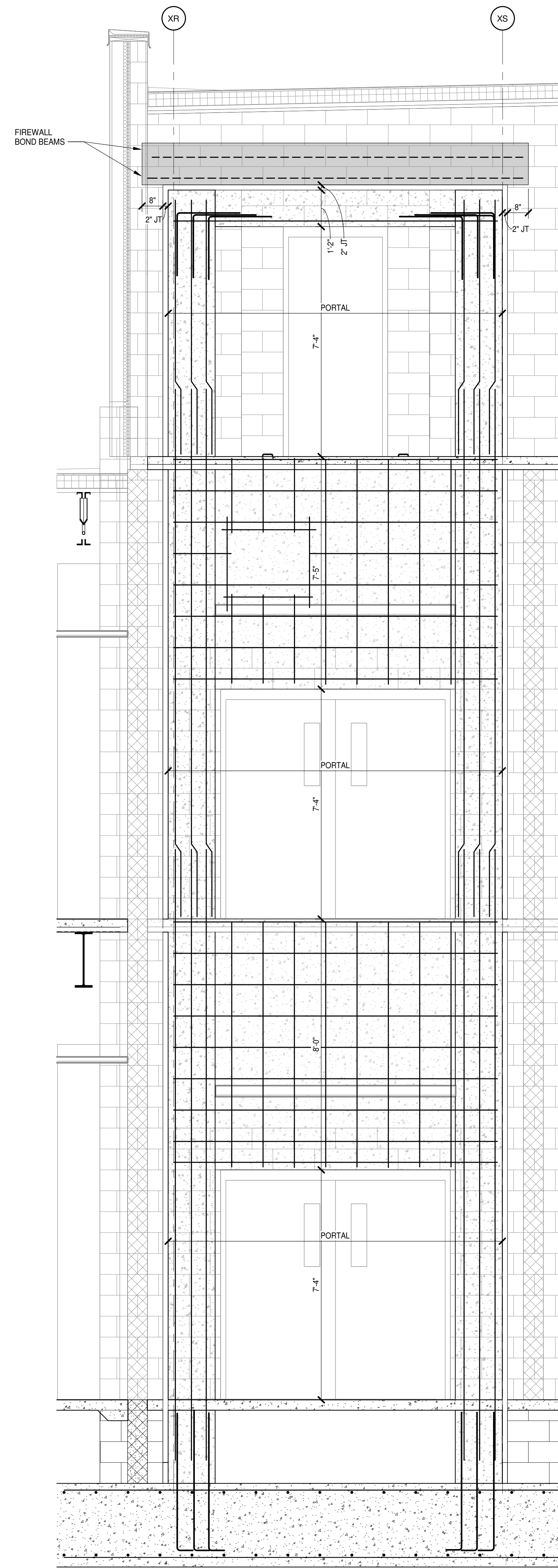
1 PORTAL A-5

S1.1.1 | S5.3.2 1/2" = 1'-0"

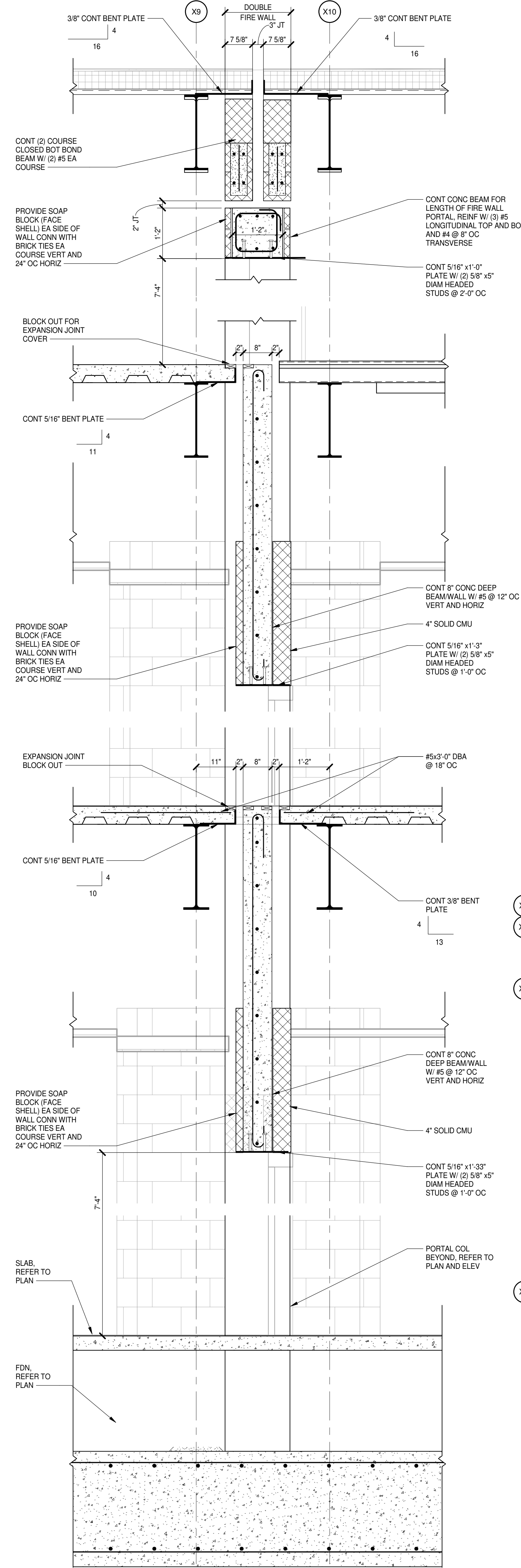


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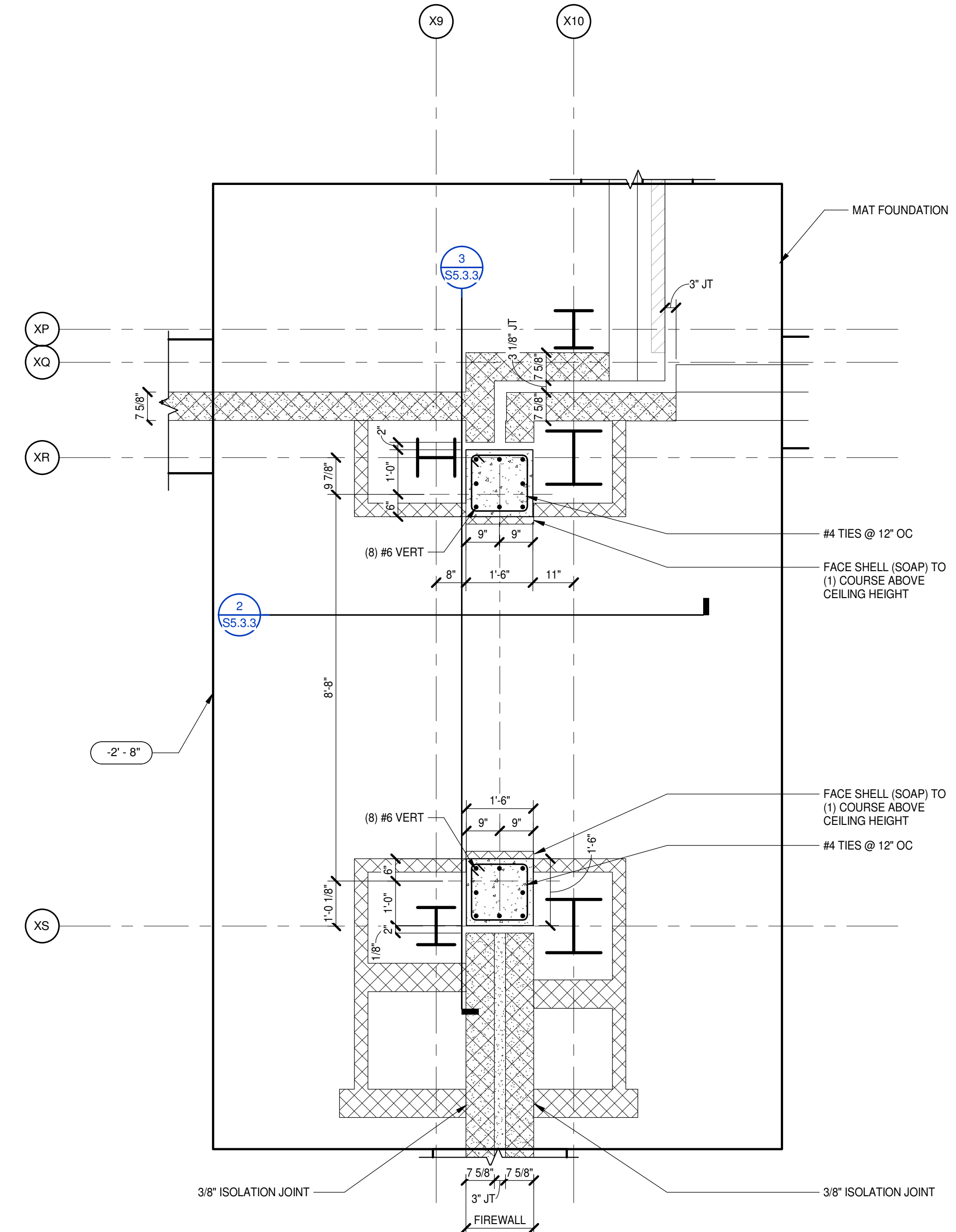
3 PORTAL C-1 ELEV
S5.3.3 S5.3.3 1/2" = 1'-0"



2 PORTAL C1 SECTION
S5.3.3 S5.3.3 3/4" = 1'-0"



1 PORTAL C-1
S1.1.3 S5.3.3 1/2" = 1'-0"



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PORTAL FRAMES
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S5.3.3

PENDER COUNTY SCHOOLS K-8 SCHOOL

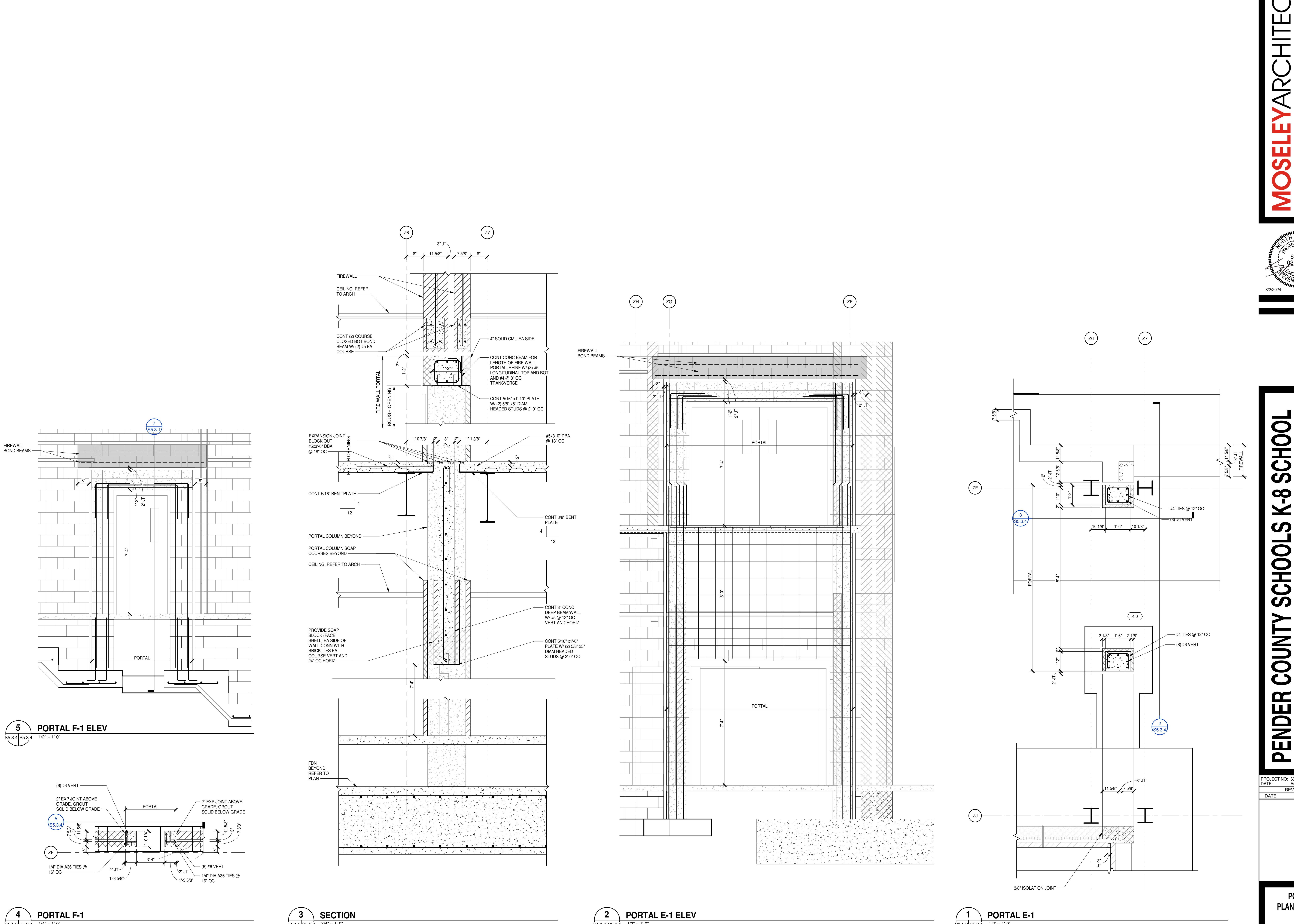
Pender County Schools
Highway 210, Hampstead, NC 28443



8/2/2024

MOSELEY ARCHITECTS

911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0051
MOSELEYARCHITECTS.COM



5 PORTAL F-1 ELEV
SS.3.4 SS.3.4 1/2" = 1'-0"

4 PORTAL F-1
S1.1.6 SS.3.4 1/4" = 1'-0"

3 SECTION
S1.1.2 SS.3.4 3/4" = 1'-0"

2 PORTAL E-1 ELEV
S1.1.2 SS.3.4 1/2" = 1'-0"

1 PORTAL E-1
S1.1.2 SS.3.4 1/2" = 1'-0"

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