

APPLICABLE CODES AND STANDARDS

- 1. 2018 INTERNATIONAL BUILDING CODE
2. ACI 318-14 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
3. TMS 402-2016 - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
4. AISI S308-16 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
5. AISI S300-16 - NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS

DESIGN CRITERIA

Table with 2 columns: Load Type and Value. Rows include Floor Live Load (100 PSF), Roof Live Load (20 PSF), and Wind Design Data (122 MPH).

OTHER LIVE LOADS

- 1. OFFICE PARTITIONS (LIVE LOAD): 15 PSF
2. PARTITIONS (LATERAL LOAD): 50 PLF OR 200 LB.
3. RAILING (LATERAL LOAD AT TOP): 150 PSF OR EQUIV. WEIGHT IF GREATER
4. MECHANICAL EQUIPMENT ROOM

ROOF SNOW LOAD

- 1. GROUND SNOW LOAD (Pg): 40 PSF
2. PLAT-ROOF SNOW LOAD (Ps): 28 PSF
3. DRIFT SNOW LOAD: PER ASCE 7-16
4. SNOW EXPOSURE FACTOR (Ce): 1.0
5. SNOW LOAD IMPORTANCE FACTOR (I): 1.0
6. THERMAL FACTOR (Ct): 1.0

WIND DESIGN DATA

- 1. ULTIMATE DESIGN WIND SPEED (Vult): 122 MPH
2. NOMINAL DESIGN WIND SPEED (Vdes): 95 MPH
3. RISK CATEGORY: II
4. WIND EXPOSURE: CATEGORY B
5. INTERNAL PRESSURE COEFFICIENT (GCp): +/-0.18
6. COMPONENTS AND CLADDING DESIGN WIND PRESSURE: 38.18 PSF

EARTHQUAKE DESIGN DATA

- 1. SEISMIC IMPORTANCE FACTOR (I): 1.0
2. RISK CATEGORY: 1
3. 0.2 SEC SPECTRAL RESPONSE ACCELERATION (Sds): 0.0898
4. 1.0 SEC SPECTRAL RESPONSE ACCELERATION (Sd1): 0.0350
5. SITE CLASS: D
6. 0.2 SEC SPECTRAL RESPONSE COEFFICIENT (Sds): 0.096
7. 1.0 SEC SPECTRAL RESPONSE COEFFICIENT (Sd1): 0.056
8. SEISMIC DESIGN CATEGORY: A
9. BASIC SEISMIC FORCE RESISTING SYSTEM: LIGHT GAUGE SHEAR WALLS

STRUCTURAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE BUILDING CODE.
2. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE.
3. LATERAL LOAD RESISTING SYSTEM: ALL LATERAL LOAD RESISTANCE AND STABILITY IN THE COMPLETED STRUCTURE IS PROVIDED BY: A. N-S DIRECTION: LIGHT GAUGE SHEARWALLS & CMU SHEARWALLS

MATERIAL DATA

CONCRETE AND REINFORCING

- 1. CONCRETE STRENGTH (fc @ 28 DAYS)
A. FOOTINGS: 3,000 PSI
B. FOUNDATION WALLS: 4,500 PSI
C. GRADE-SUPPORTED SLABS: 4,000 PSI
D. CONCRETE TOPPING: 4,000 PSI
E. CONCRETE NOT SPECIFIED: 3,000 PSI
2. ALL CONCRETE EXPOSED TO FREEZE-THAW CONDITIONS SHALL HAVE A MINIMUM STRENGTH (fc @ 28 DAYS) OF 4,500 PSI.

MASONRY

- 1. MASONRY STRENGTH (fm @ 28 DAYS): 1,500 PSI
2. CONCRETE UNITS: ASTM C90
3. UNIT COMPRESSIVE STRENGTH: 2,000 PSI
4. MORTAR TYPE: ASTM C270, TYPE S
5. GROUT TYPE: ASTM C476, 3/8" MAX. AGGREGATE SIZE

STEEL

- 1. STRUCTURAL STEEL (WIDE FLANGES): ASTM A992, GRADE 50
2. STRUCTURAL STEEL (ALL OTHER TYPES): ASTM A36
3. STRUCTURAL STEEL PIPE: SCH 40
4. STRUCTURAL TUBE: ASTM A500, GRADE B
5. ANCHOR RODS: ASTM F1554, GRADE 55

COORDINATION/VERIFICATION

- 1. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH ANY PHASE OF THE WORK.
2. ANY PROPRIETARY STRUCTURAL SYSTEMS THAT ARE COMPOSED OF COMPONENTS TO BE FIELD ERRECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE, AND ERECTION.

GEOTECHNICAL

- 1. BASIS OF DESIGN: THE FOUNDATION SYSTEM DESIGN IS BASED ON THE RECOMMENDATIONS OF GEOTECHNICAL REPORT NO. 06054.034 DATED SEPTEMBER 1, 2016 PREPARED BY SCHEMMER.
2. FOUNDATION SYSTEM: SHALLOW FOOTINGS
3. MAXIMUM ALLOWABLE SOIL BEARING CAPACITY: 2,500 PSF
4. LATERAL EARTH PRESSURE: A. PASSIVE RESISTANCE: 180 PCF

CAST-IN-PLACE CONCRETE

- 1. CONCRETE BATCH DESIGN(S) SHALL BE PROPORTIONED AND PRODUCED IN ACCORDANCE WITH ACI 318, IN PARTICULAR CHAPTER 5, AND ACI 301. MIX AND DELIVER IN ACCORDANCE WITH ASTM C94.
2. CONCRETE STRENGTH: SEE MATERIAL DATA NOTES & SPECIFICATION SECTION 033000
3. SLUMP LIMITS: SEE SPECIFICATION SECTION 033000

SLAB ON GRADE REQUIREMENTS

- 1. SLAB THICKNESS: SEE PLAN
2. SLAB REINFORCING: SEE PLAN
3. GRANULAR SUBBASE: SEE GEOTECHNICAL NOTES
4. VAPOR RETARDER: SEE SPECIFICATION SECTION 033000. LAP AND TAPE ALL JOINTS AND HOLES.

ANCHORAGE REQUIREMENTS

- 1. HEADED CONCRETE ANCHORS (HCA): AUTOMATICALLY END WELDED IN THE SHOP OR FIELD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ANCHOR WELDS SHALL BE TESTED PER AWS SECTION 7.7.
2. POST-INSTALLED MECHANICAL ANCHORS: INSTALL USING MINIMUM TORQUE, EMBEDMENTS, EDGE DISTANCES AND SPACING (UNLESS OTHERWISE NOTED) AS RECOMMENDED BY THE ANCHOR MANUFACTURER.

UNIT MASONRY

- 1. DESIGN CRITERIA: MASONRY SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF ACI 530.
2. UNIT TYPES: SEE SPECIFICATION SECTION 042000
3. UNIT COMPRESSIVE STRENGTH: SEE MATERIAL DATA NOTES AND SPECIFICATION SECTION 042000
4. MORTAR: SEE MATERIAL DATA NOTES AND SPECIFICATION SECTION 042000
5. GROUT: SEE MATERIAL DATA NOTES AND SPECIFICATION SECTION 042000

STRUCTURAL STEEL FRAMING

- 1. DESIGN CRITERIA: STRUCTURAL STEEL SHALL BE INSTALLED PER THE REQUIREMENTS OF AISC 360.
2. STRUCTURAL STEEL GRADES: SEE MATERIAL DATA NOTES AND SPECIFICATION SECTION 051200
3. ANCHOR AND BOLT GRADES: SEE MATERIAL DATA NOTES AND SPECIFICATION SECTION 051200
4. WELD ELECTRODES: SEE MATERIAL DATA NOTES AND SPECIFICATION SECTION 051200

STEEL DECKING

- 1. DECK GOVERNING CRITERIA: THE DESIGN, FABRICATION, AND ERECTION OF METAL DECKING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE SDI SPECIFICATIONS AND THE SDI DIAPHRAGM DESIGN MANUAL.
2. ROOF DECK CONNECTIONS: ROOF DECKING SHALL BE CONNECTED TO THE STRUCTURE AS INDICATED IN THE ROOF DECK SCHEDULE. MAINTAIN OVERALL STRUCTURAL BRACING UNTIL ALL DECKING HAS BEEN INSTALLED.

COLD-FORMED METAL FRAMING

- 1. DESIGN CRITERIA: COLD-FORMED METAL FRAMING SHALL BE INSTALLED PER THE REQUIREMENTS OF AISI N10.
2. LIGHT GAUGE STEEL STUDS/JOISTS: SEE MATERIAL DATA NOTES AND SPECIFICATION SECTION 054000
3. REFERENCE PLANS AND SCHEDULES FOR GAUGE AND SPACING OF LIGHT GAUGE STEEL STUDS/JOISTS.

COLD-FORMED METAL TRUSSES

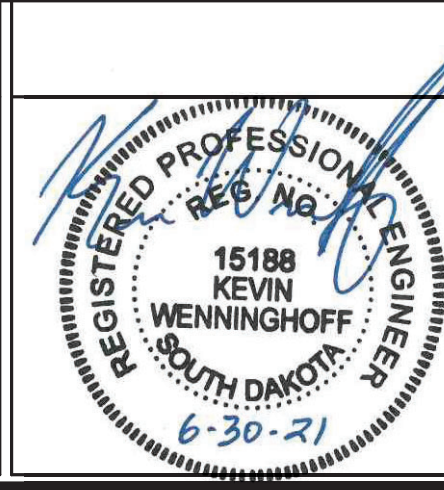
- 1. DESIGN CRITERIA: TRUSS VENDOR IS TO SUBMIT TO THE ARCHITECT, ENGINEER, AND CITY DESIGN CALCULATIONS BY A LICENSED ENGINEER AND CITY DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS ARE TO SHOW ALL TEMPORARY AND PERMANENT BRACING REQUIRED BY DESIGN. DESIGN CALCULATIONS SHALL BE SEALED BY THE LICENSED ENGINEER.
2. DESIGN RESPONSIBILITIES - TRUSSES SHALL BE DESIGNED UNDER THE FOLLOWING FORMAT: A. LATERAL FORCES APPLIED TO THE TRUSSES, SUCH AS DRAG TRUSS LOADS, COLLECTORS, ETC., ARE INDICATED ON THE PLANS WHERE APPLICABLE.

SHEATHING

- 1. ROOF/FLOOR SHEATHING: SEE MATERIAL DATA NOTES AND SPECIFICATION SECTION 061600
2. WALL SHEATHING: SEE MATERIAL DATA NOTES AND SPECIFICATION SECTION 061600
3. ROOF/FLOOR SHEATHING NAILING: COMMON WIRE NAILS SHALL BE USED AND PENETRATE SUPPORTING MEMBERS A MINIMUM OF 1-5/8". INDIVIDUAL PIECES OF SHEATHING SHALL NOT BE LESS THAN 24" IN THEIR SHORTEST PLAN DIRECTION NOR LESS THAN 8 SQ. FT. IN AREA: A. ROOF SHEATHING: a. SHEET EDGES: 10d @ 6" O.C.

CONSULTANTS:

ARCHITECT/ENGINEERS:

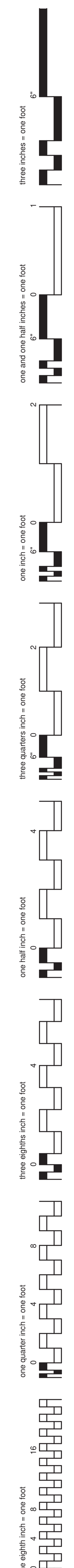


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Table with 2 columns: Field Name and Content. Fields include Drawing Title (STRUCTURAL NOTES), Approved (kww), Project Title (CONSTRUCT CLC COTTAGE - HOSPICE), Location (SIOUX FALLS, SD), Date (06/30/2021), Checked (kww), Drawn (MUN), and Drawing Number (S-001).

Table with 2 columns: Field Name and Content. Fields include Project Number (438-420), Building Number (54), Location (SIOUX FALLS, SD), Date (06/30/2021), Checked (kww), Drawn (MUN), and Drawing Number (S-001).

Office of Construction and Facilities Management, Department of Veterans Affairs



SPECIAL INSPECTIONS (IBC 2018)

SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER FOR THE WORK IN ACCORDANCE WITH IBC CHAPTER 17. CONTRACTOR SHALL NOTIFY AND ACCOMMODATE THE APPLICABLE INSPECTOR DURING APPROPRIATE PHASES OF THE WORK AS REQUIRED FOR EACH TYPE OF INSPECTION.

STEEL CONSTRUCTION - GENERAL

- 1. SHOP CUT AND FINISHED SURFACES IN ACCORDANCE WITH SECTION M2 OF AISC 360-16.
2. SHOP HEATING FOR STRAIGHTENING, CAMBERING AND CURVING IN ACCORDANCE WITH SECTION M2.1 OF AISC 360-16.
3. TOLERANCES FOR SHOP FABRICATION IN ACCORDANCE WITH SECTION 6.4 OF AISC 303-16.
4. STEEL DECK IN ACCORDANCE WITH SDI-QA/QC-2017.
5. FIELD CUT SURFACES IN ACCORDANCE WITH SECTION M2.2 OF AISC 360-16.
6. FIELD HEATING FOR STRAIGHTENING IN ACCORDANCE WITH SECTION M2.1 OF AISC 360-16.
7. TOLERANCES FOR FIELD ERECTION IN ACCORDANCE WITH SECTION 7.13 OF AISC 303-16.

STEEL INSPECTION DEFINITIONS

- O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER, EACH BOLTED CONNECTION, OR EACH STEEL ELEMENT.

STEEL CONSTRUCTION - PRIOR TO WELDING

- 1. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS (QC - P; QA - O)
2. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE. (QC - P; QA - P)
3. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE. (QC - P; QA - P)
4. MATERIAL IDENTIFICATION (TYPE/GRADE). (QC - O; QA - O)
5. WELDER IDENTIFICATION SYSTEM. (QC - O; QA - O)
6. FIT-UP GROOVE WELDS (INCLUDING JOINT GEOMETRY). (QC - O; QA - O)
7. FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) (QC - P; QA - O)
8. TACKING (TACK WELD QUALITY AND LOCATION).
9. FIT-UP FILLET WELDS. (QC - O; QA - O)
10. CHECK WELDING EQUIPMENT. (QC - O; QA - N/A)

STEEL CONSTRUCTION - DURING WELDING

- 1. USE OF QUALIFIED WELDERS. (QC - O; QA - O)
2. CONTROL AND HANDLING OF WELDING CONSUMABLES. (QC - O; QA - O)
3. NO WELDING OVER CRACKED TACK WELDS. (QC - O; QA - O)
4. ENVIRONMENTAL CONDITIONS.
5. WPS FOLLOWED. (QC - O; QA - O)
6. WELDING TECHNIQUES. (QC - O; QA - O)
7. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS (QC - P; QA - P)

SPECIAL INSPECTIONS CONTINUED (IBC 2018)

STEEL CONSTRUCTION - AFTER WELDING

- 1. WELDS CLEANED. (QC - O; QA - O)
2. SIZE, LENGTH AND LOCATION OF WELDS. (QC - P; QA - P)
3. WELD MEET VISUAL ACCEPTANCE CRITERIA. (QC - P; QA - P)
4. CRACK PROHIBITION.
5. WELD/BASE-METAL FUSION.
6. CRATER CROSS SECTION.
7. WELD PROFILES.
8. WELD SIZE.
9. UNDERCUT.
10. POROSITY.
11. ARC STRIKES. (QC - P; QA - P)
12. K-AREA. (QC - P; QA - P)
13. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES. (QC - P; QA - P)
14. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED).
15. REPAIR ACTIVITIES. (QC - P; QA - P)
16. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER. (QC - P; QA - P)
17. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR. (QC - O; QA - O)

STEEL CONSTRUCTION - PRIOR TO BOLTING

- 1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS. (QC - O; QA - P)
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS. (QC - O; QA - O)
3. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE). (QC - O; QA - O)
4. CORRECT BOLTING PROCEDURE SELECTOR FOR JOINT DETAIL. (QC - O; QA - O)
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS. (QC - O; QA - O)
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED. (QC - P; QA - O)
7. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS. (QC - O; QA - O)

STEEL CONSTRUCTION - DURING BOLTING

- 1. FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS ARE POSITIONED AS REQUIRED. (QC - O; QA - O)
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION. (QC - O; QA - O)
3. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING. (QC - O; QA - O)
4. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES. (QC - O; QA - O)

STEEL CONSTRUCTION - AFTER BOLTING

- 1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS. (QC - P; QA - P)

COLD-FORMED STEEL DECK

- 1. SPECIAL INSPECTIONS AND QUALIFICATION OF WELDING SPECIAL INSPECTORS FOR COLD-FORMED STEEL FLOOR AND ROOF DECK SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI-QA/QC-2017.

SPECIAL INSPECTIONS CONTINUED (IBC 2018)

CONCRETE CONSTRUCTION

- 1. INSPECTION OF REINFORCEMENT AND VERIFY PLACEMENT. (PERIODIC)
2. REINFORCING BAR WELDING:
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706. (PERIODIC)
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16". (PERIODIC)
C. INSPECT ALL OTHER WELDS. (CONTINUOUS)
3. INSPECT ANCHORS CAST IN CONCRETE. (PERIODIC)
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. (CONTINUOUS)
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A. (PERIODIC)
5. VERIFY USE OF REQUIRED DESIGN MIX. (PERIODIC)
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. (CONTINUOUS)
7. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES. (PERIODIC)
8. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS. (PERIODIC)
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. (PERIODIC)

MASONRY CONSTRUCTION - LEVEL B

- EMPIRICALLY DESIGNED MASONRY, MASONRY VENEER, GLASS UNIT MASONRY
- RISK CATEGORY IV
- RISK CATEGORY I, II OR III
TEST: VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.b.3 FOR SELF-CONSOLIDATING GROUT.
TEST: VERIFICATION OF fm IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS. (PERIODIC)
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:
A. PROPORTIONS OF SITE-PREPARED MORTAR. (PERIODIC)
B. CONSTRUCTION OF MORTAR JOINTS. (PERIODIC)
C. LOCATION OF REINFORCEMENT AND CONNECTORS. (PERIODIC)
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:
A. GROUT SPACE. (PERIODIC)
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS. (PERIODIC)
C. PLACEMENT OF REINFORCEMENT AND CONNECTORS. (PERIODIC)
D. PROPORTIONS OF SITE-PREPARED GROUT. (PERIODIC)
E. CONSTRUCTION OF MORTAR JOINTS. (PERIODIC)
4. VERIFY DURING CONSTRUCTION:
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. (PERIODIC)
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION. (PERIODIC)
C. WELDING REINFORCEMENT. (CONTINUOUS)
D. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEGREES FAHRENHEIT (4.4 DEGREES CELSIUS)) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEGREES FAHRENHEIT (32.2 DEGREES CELSIUS)). (PERIODIC)
E. PLACEMENT OF GROUT IS IN COMPLIANCE. (CONTINUOUS)
5. OBSERVE PREPARATION OF GROUT SPECIMENTS, MORTAR SPECIMENTS, AND/OR PRISMS. (PERIODIC)

SOILS

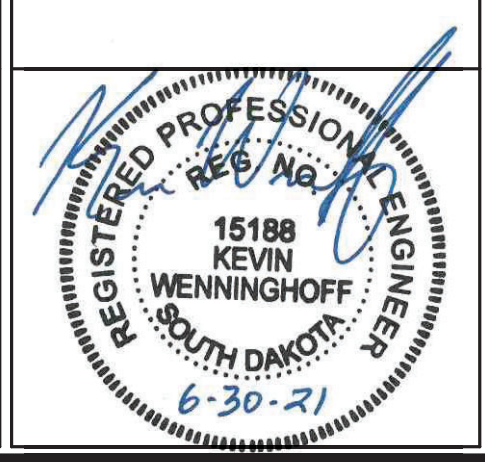
- 1. VERIFY MATERIALS BELOW SHALLOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. (PERIODIC)
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. (PERIODIC)
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS. (PERIODIC)
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL. (CONTINUOUS)
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY. (PERIODIC)

PRECAST CONCRETE STRUCTURAL ELEMENTS

- 1. MANUFACTURER'S CERTIFICATE OF COMPLIANCE TO QUALITY ASSURANCE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS IS REQUIRED.

CONSULTANTS:

ARCHITECT/ENGINEERS:



SCHEMMER Design with Purpose. Build with Confidence.

TSA PROJECT NO. 06054.034

Drawing Title: SPECIAL INSPECTIONS

Project Title: CONSTRUCT CLC COTTAGE - HOSPICE

Project Number: 438-420 Building Number: 54

Approved: kmw

Location: SIOUX FALLS, SD

Drawing Number: S-002

Date: 06/30/2021

Checked: kmw

Drawn: MJN

Dwg. 45 of 90

Office of Construction and Facilities Management

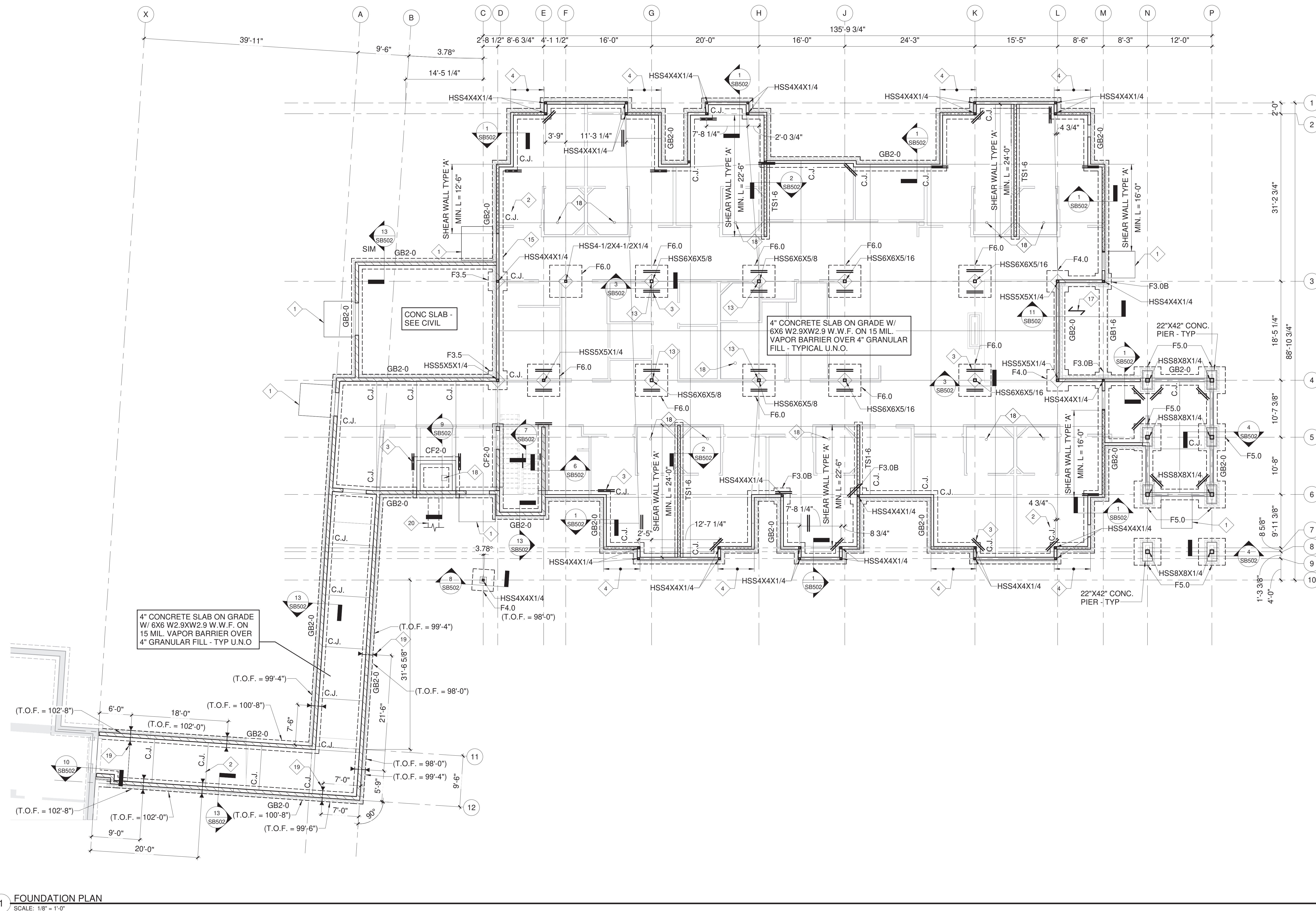


FOUNDATION PLAN NOTES:

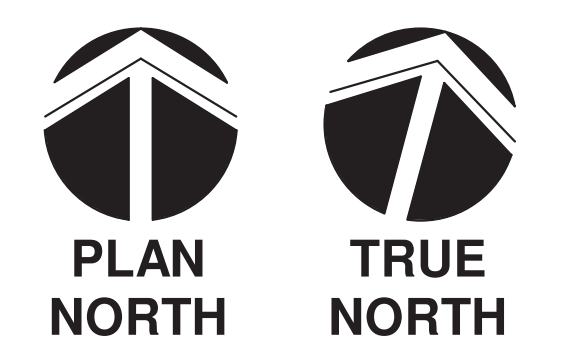
- A REFERENCE SHEET S-001 FOR STRUCTURAL NOTES AND SHEET S-000 FOR SCHEDULES.
- B REFERENCE SHEET SB501 FOR TYPICAL FOUNDATION DETAILS NOT NECESSARILY INDICATED ON PLAN.
- C VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- D ARCHITECTURAL ELEVATION 100'-0" IS EQUAL TO CIVIL ELEVATION 1498.00'.
- E TOP OF FOOTING (T.O.F.) ELEVATION IS 99'-4", TYPICAL U.N.O.
- F FINISHED FLOOR ELEVATION (F.F.E.) IS 100'-0", TYPICAL U.N.O.
- G GRADE BEAMS ARE REQUIRED AT ALL EXTERIOR WALLS. BOTTOM OF GRADE BEAM SHALL HAVE A MINIMUM DEPTH OF 42" BELOW EXTERIOR GRADE.
- H THICKENED SLAB FOOTINGS ARE REQUIRED AT ALL INTERIOR LOAD BEARING WALLS.
- J PAD FOOTINGS ARE REQUIRED BELOW ALL STRUCTURAL COLUMNS.
- K STRUCTURAL STOOPS ARE REQUIRED AT ALL EXTERIOR SWING DOORS. SEE TYPICAL DETAIL ON SHEET SB501.
- L SHEAR WALLS SHOWN EXTEND FROM FIRST FLOOR UP TO ROOF, TYPICAL.

REF. NOTES (X):

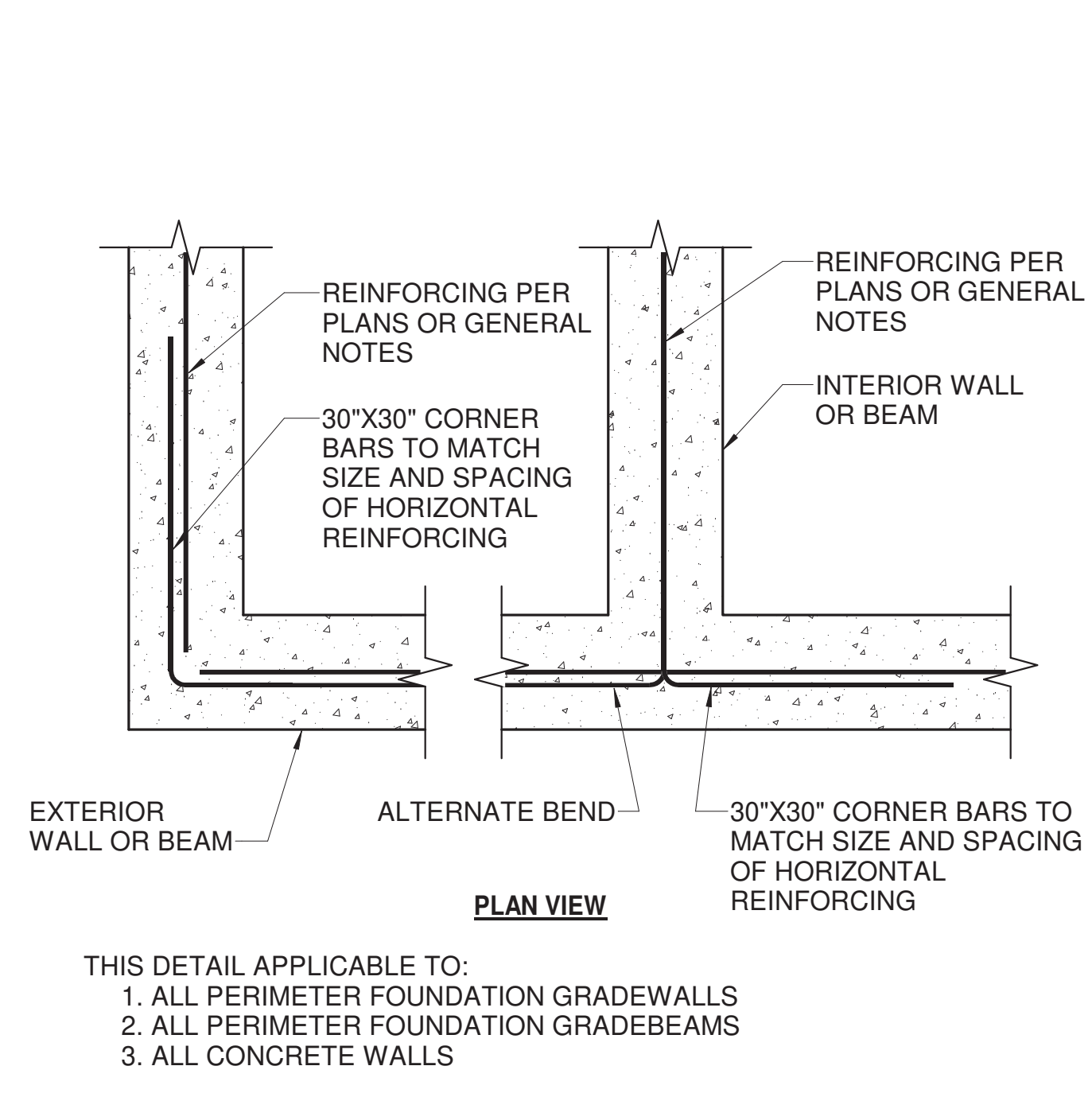
- 1 STRUCTURAL STOOP - SEE SHEET SB501 FOR TYPICAL DETAIL. REFERENCE ARCHITECTURAL DRAWINGS FOR STOOP DIMENSIONS.
- 2 'C.J.' INDICATES CONTROL JOINT - SEE TYPICAL DETAIL ON SHEET SB501 AND STRUCTURAL NOTES ON SHEET S-001 FOR MORE INFORMATION.
- 3 PROVIDE (2) #4 X 3'-0" LONG BARS @ 4" O.C. CENTERED IN SLAB AT ALL RE-ENTRANT CORNERS WITHOUT CONTROL JOINTS (C.J.) AND AT ENDS OF CONTROL JOINTS TERMINATED WITHIN SLAB - TYPICAL.
- 4 SHEAR WALL TYPE 'A' - MIN. L = 6'-0"
- 13 PROVIDE 1 1/8" THICK BASE PLATE W/ 1" DIAMETER ANCHOR BOLTS @ THIS COLUMN - TYPICAL @ MOMENT FRAMES
- 15 SLEEVE THRU GRADE BEAM FOR UTILITIES AS REQUIRED. REFERENCE TYPICAL DETAIL 8/SB501.
- 17 3" CONCRETE W/ #3 BARS @ 12" O.C. OVER 2" TYPE 'C' 18 GAUGE NON-COMPOSITE METAL DECK, TYPICAL (U.N.O.) - SEE METAL DECK SCHEDULE ON SHEET S-000 FOR MORE INFORMATION.
- 18 FLOOR DRAIN - SEE MECH. AND SEE ARCH FOR FLOOR SLOPE.
- 19 SYMBOL INDICATES FOOTING STEP - SEE TYPICAL DETAIL 9/SB501.
- 20 MECHANICAL DUCTBANK - SEE MECH. & SEE DETAILS 5 & 12 ON SB502 FOR CONDITIONS AT EXISTING BUILDINGS.



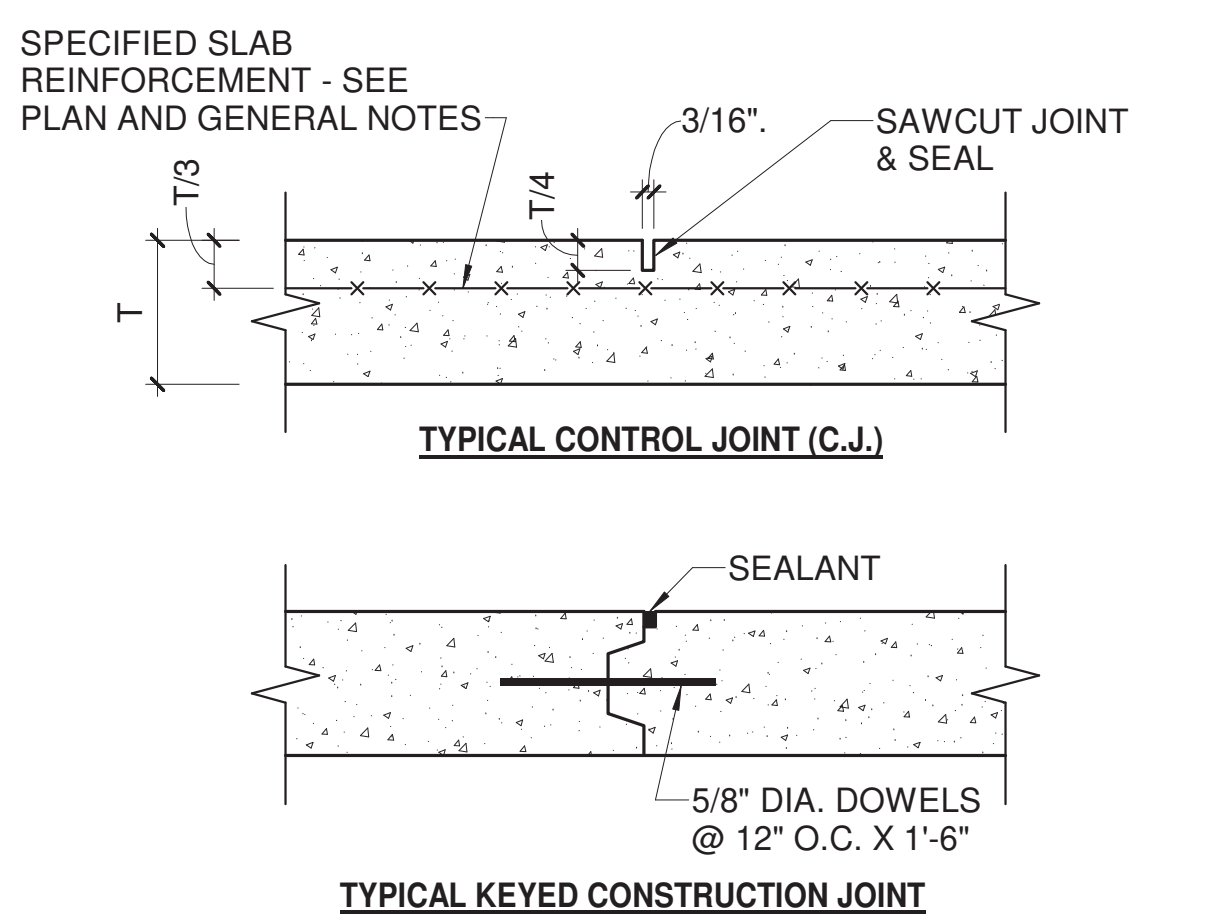
1 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



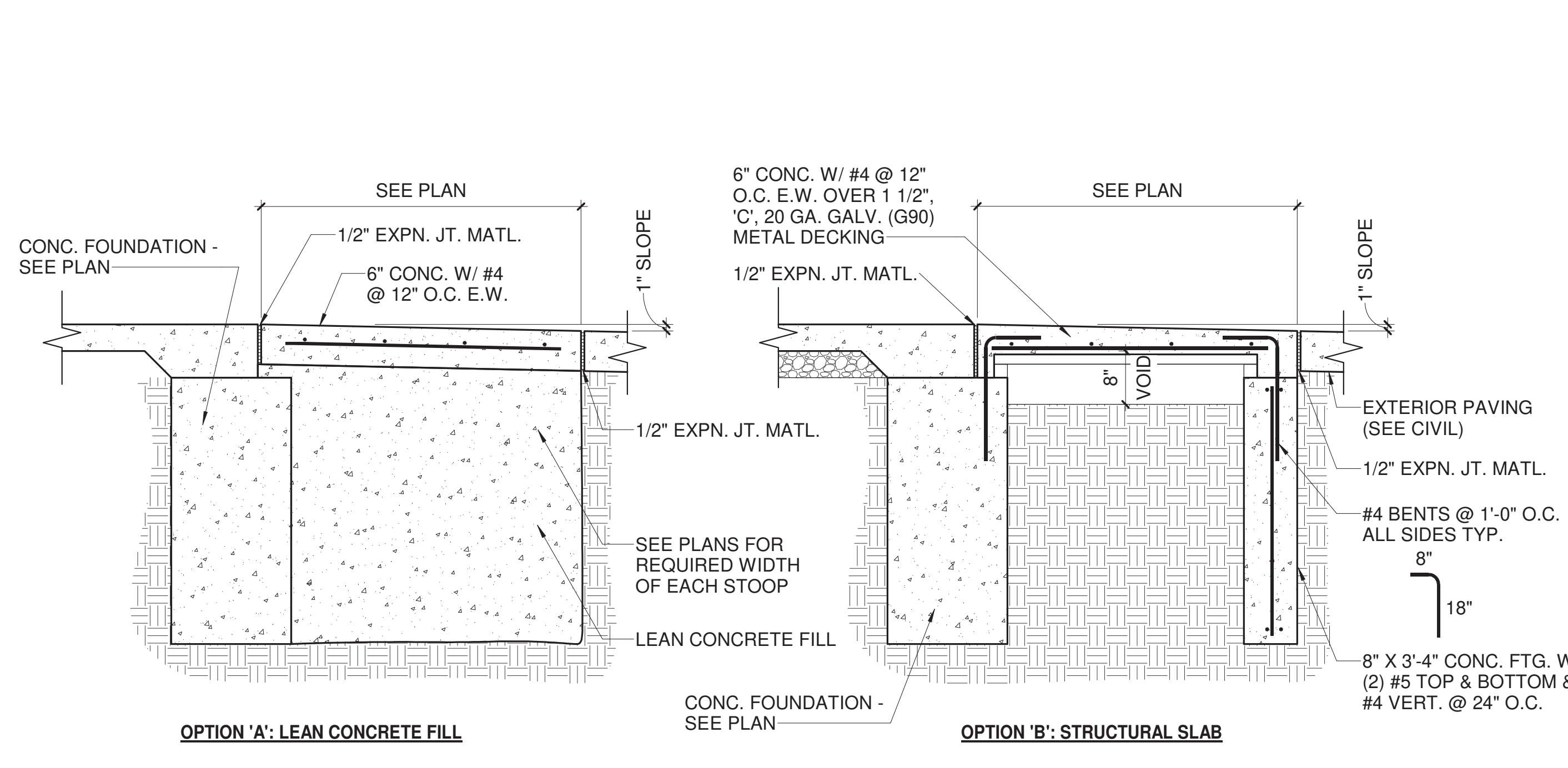
CONSULTANTS: 		ARCHITECT/ENGINEERS: SCHEMMER <i>Design with Purpose. Build with Confidence.</i> TSA PROJECT 06054.034 NO.:		Drawing Title FOUNDATION PLAN Approved: kww		Project Title CONSTRUCT CLC COTTAGE - HOSPICE Location SIOUX FALLS, SD Date 06/30/2021		Project Number 438-420 Building Number 54 Drawing Number SB101 Dwg. 46 of 90		Office of Construction and Facilities Management Department of Veterans Affairs	
ADDENDUM NO. 1 Revisions:						Checked: KMM Drawn: M.J.N.					



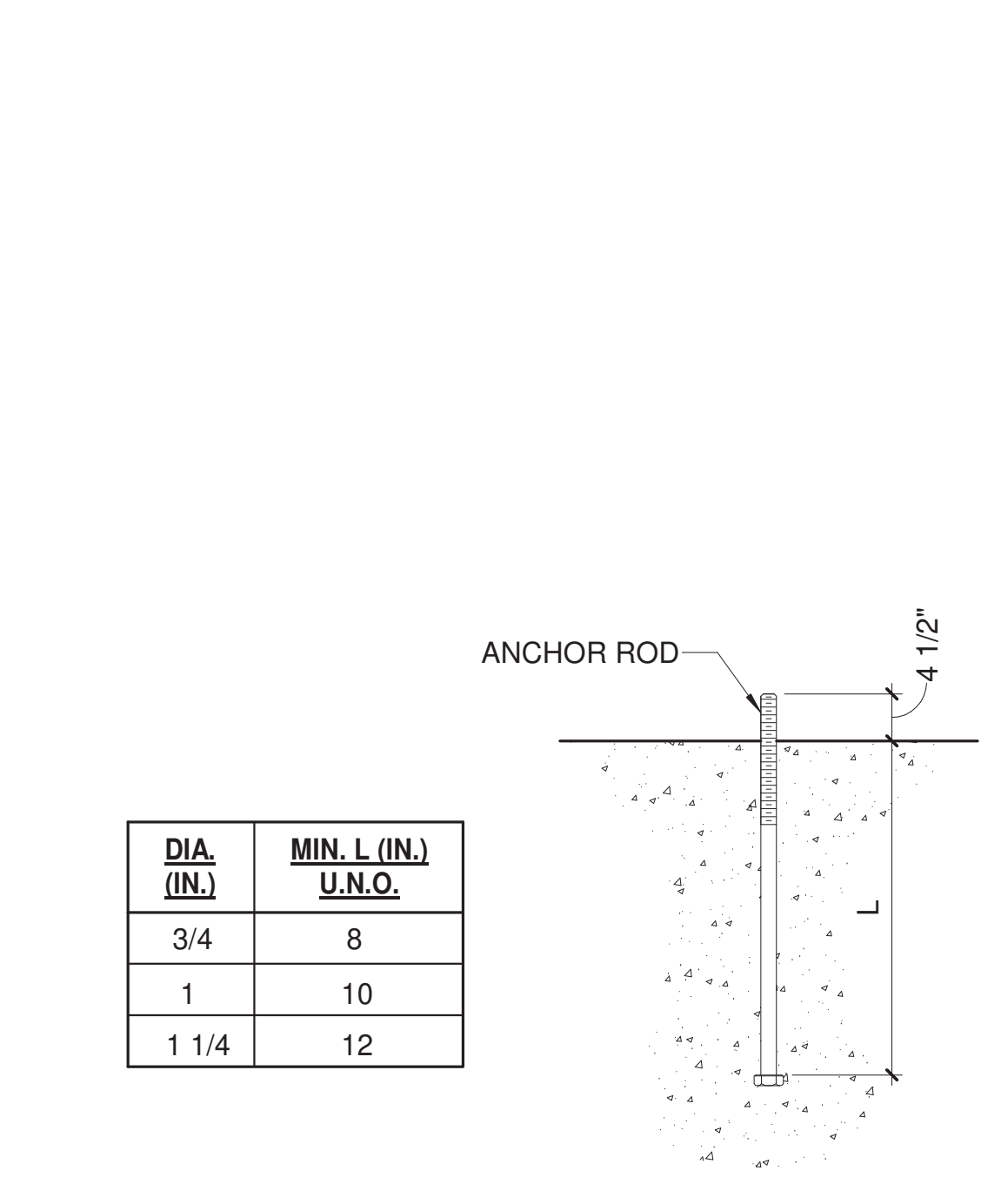
1 TYPICAL REINF. DETAIL AT CORNER/WALL INTERSECTION
SCALE: 3/4" = 1'-0"



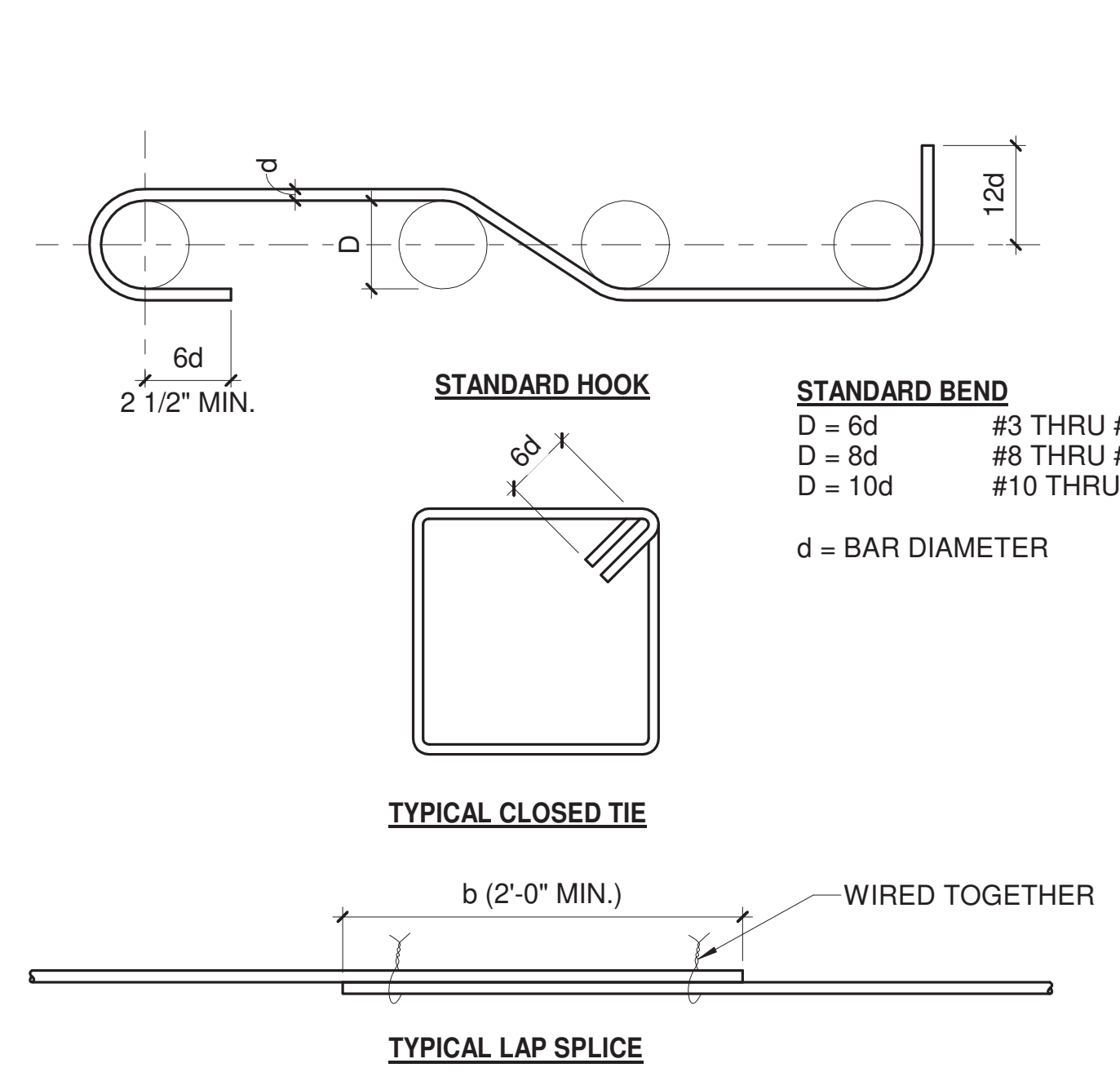
2 SLAB CONTROL/CONSTRUCTION JOINT DETAIL
SCALE: 3/4" = 1'-0"



3 TYPICAL STRUCTURAL CONCRETE STOOP DETAILS
SCALE: 3/4" = 1'-0"



4 TYPICAL ANCHOR ROD DETAIL
SCALE: 3/4" = 1'-0"



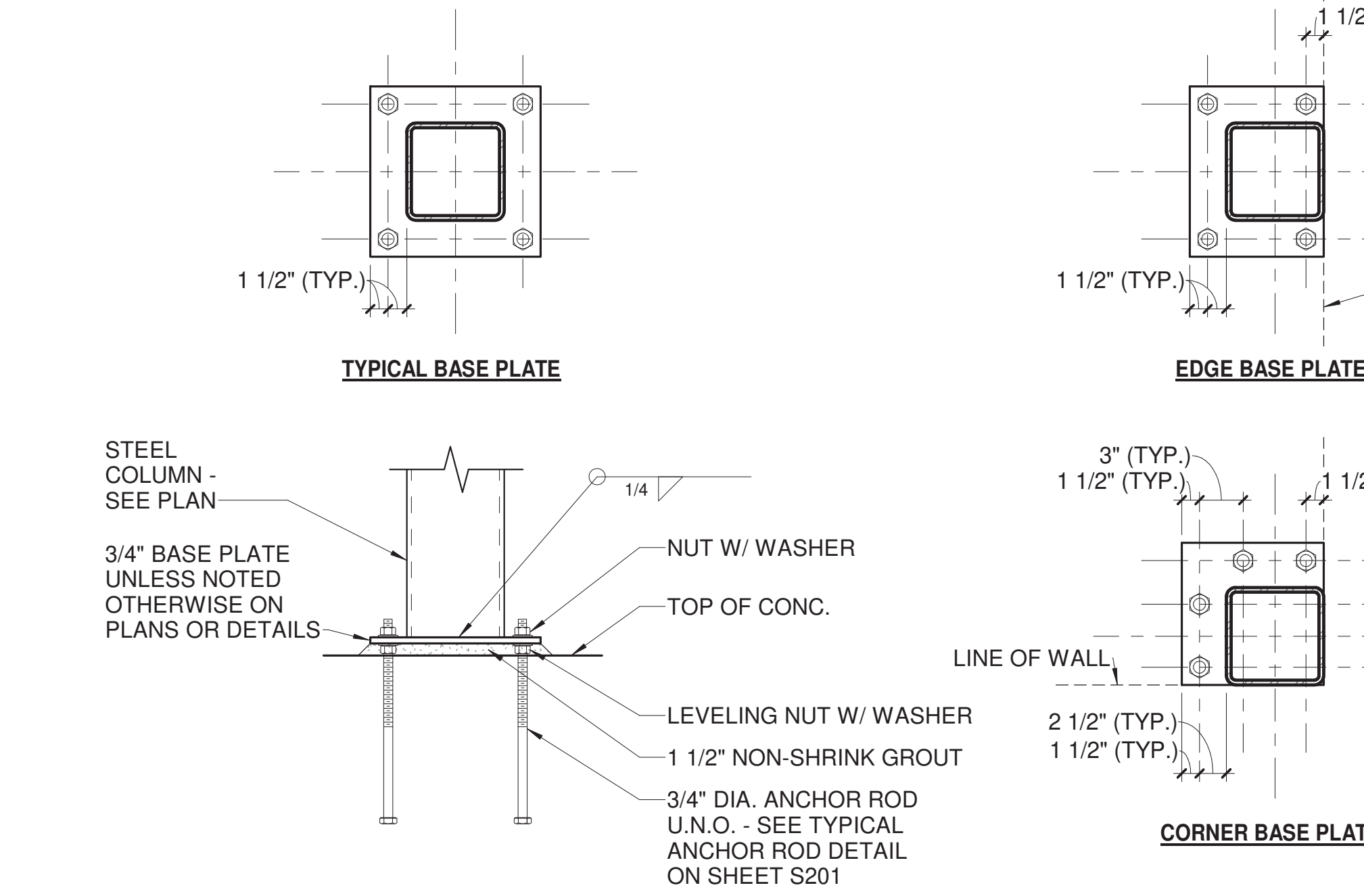
5 TYPICAL REINFORCING DETAILS
SCALE: 3/4" = 1'-0"

TENSION BAR LAP LENGTH (b)		
(FOR LENGTH b - SEE REINF. BAR DETAIL AND KEY NOTES)		
BAR SIZE	BARS SPACED > 2d _b	BARS SPACED < 2d _b (OTHER)
3	28"	42"
4	37"	56"
5	46"	70"
6	56"	83"
7	81"	122"
8	93"	139"
9	105"	157"
10	118"	176"
11	131"	196"

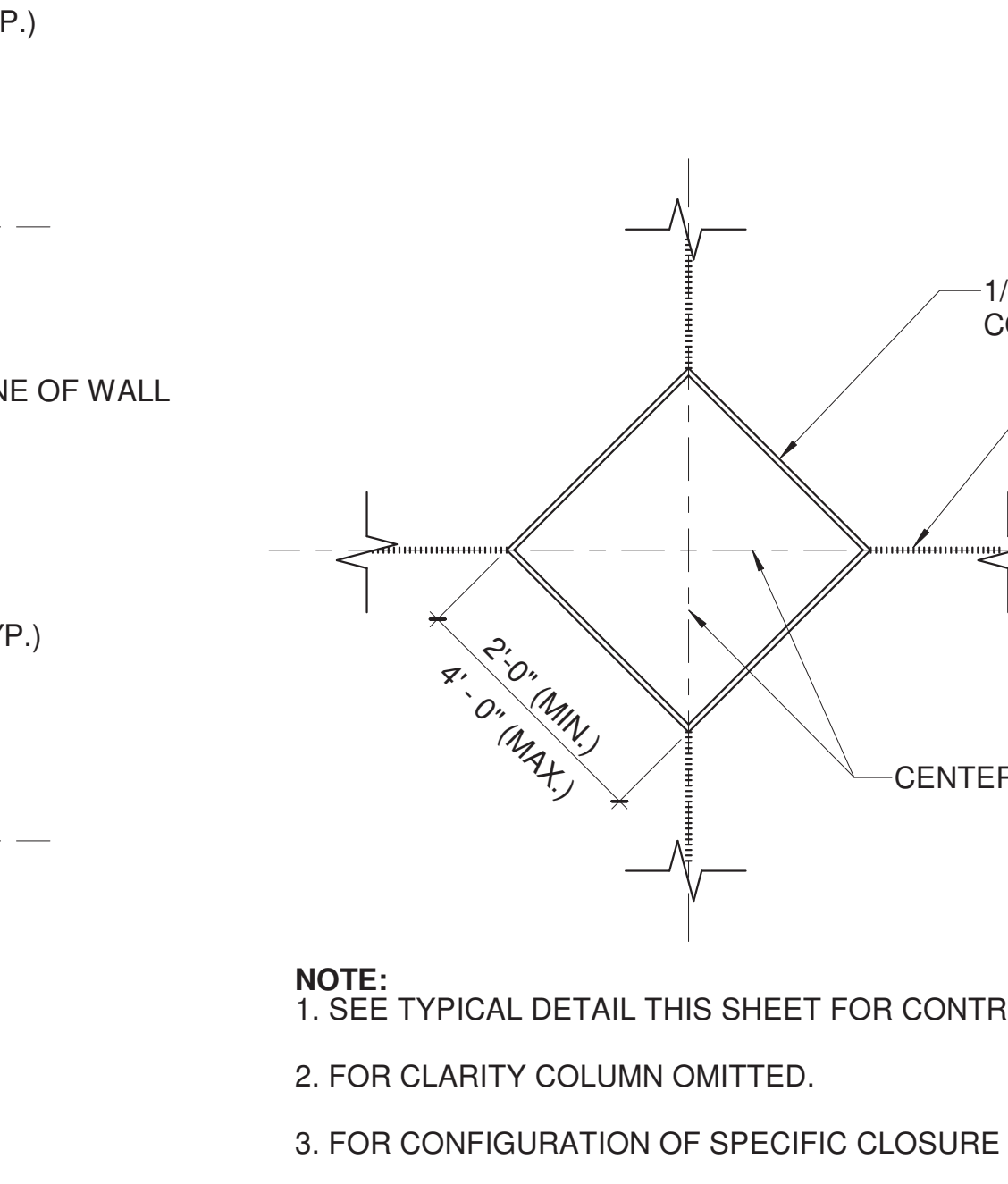
SPLICE LENGTH IS FOR TYPE B SPLICES PER ACI 318. BARS ARE ASSUMED TO BE TOP BARS & NOT EPOXY COATED. f_c = 3,000 PSI (NORMAL WEIGHT) BAR COVER > d_b f_y = 60,000 PSI d_b = BAR DIAMETER

TENSION BAR LAP LENGTH (b)		
(FOR LENGTH b - SEE REINF. BAR DETAIL AND KEY NOTES)		
BAR SIZE	ONE BAR IN CELL	TWO BARS IN CELL
3	15"	15"
4	20"	24"
5	25"	38"
6	43"	74"
7	60"	104"
8	110"	193"
9	110"	255"
10	NOT PERMITTED	NOT PERMITTED
11	NOT PERMITTED	NOT PERMITTED

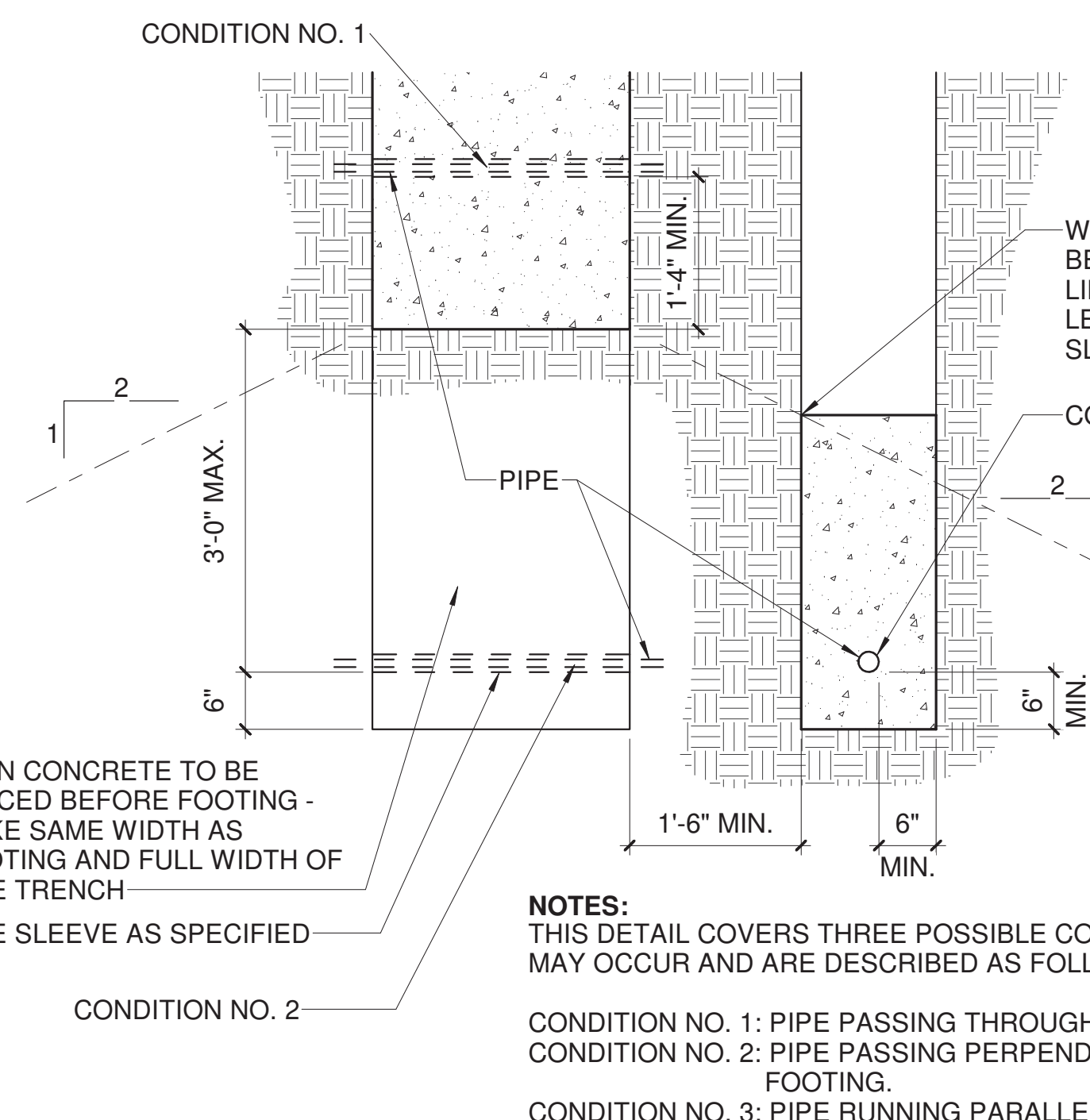
LAP LENGTHS ARE BASED ON 8" NOMINAL CMU, TYPICAL. #9 BARS ARE NOT PERMITTED IN CMU WITH A NOMINAL WIDTH OF 8" OR LESS. #9 BAR LAP LENGTH IS BASED ON 10" NOMINAL CMU. f_m = 2,000 PSI f_y = 60,000 PSI



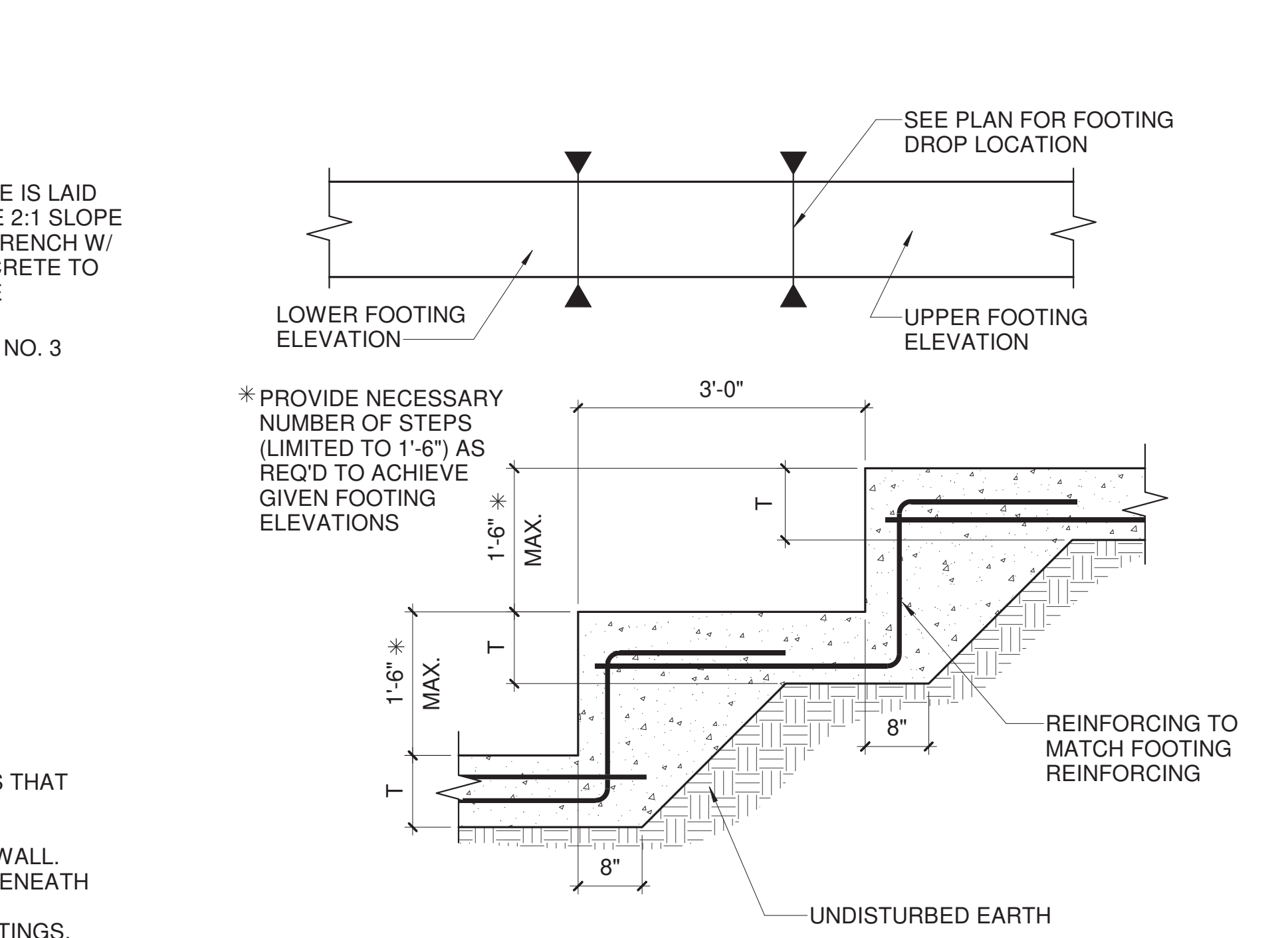
6 TYPICAL BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



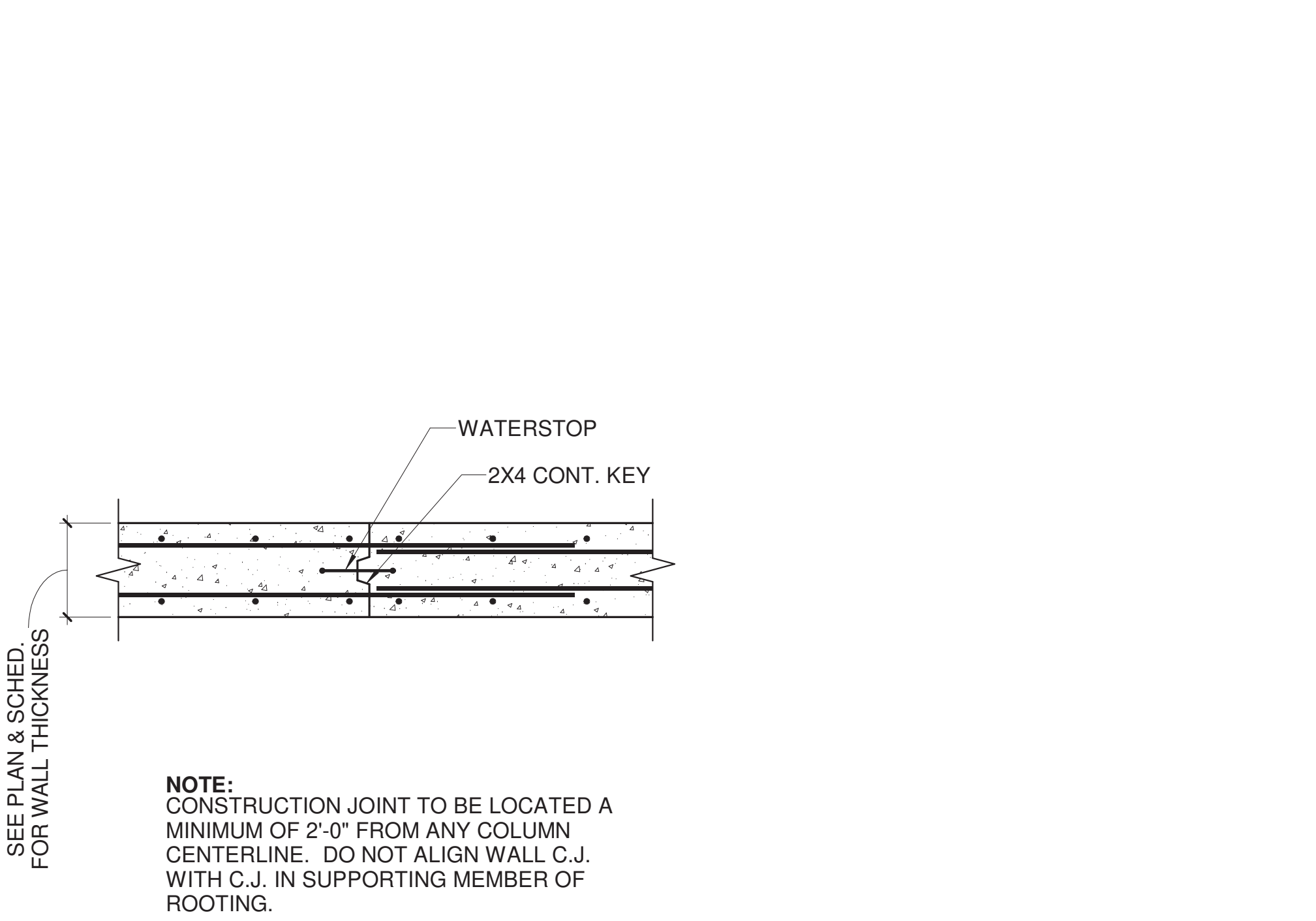
7 TYP. COL. CLOSURE POUR AT CONC. SLAB ON GRADE
SCALE: 3/4" = 1'-0"



8 TYPICAL UTILITIES ADJACENT TO FOOTINGS
SCALE: 3/4" = 1'-0"



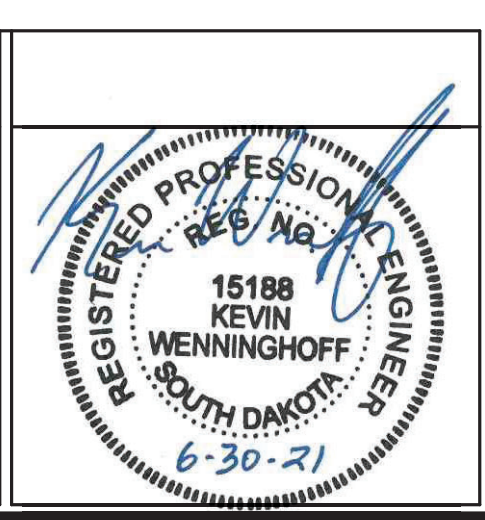
9 TYPICAL STEP FOOTING DETAIL
SCALE: 3/4" = 1'-0"



10 TYPICAL CIP CONC. WALL CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"

Revisions:	Date:

CONSULTANTS:

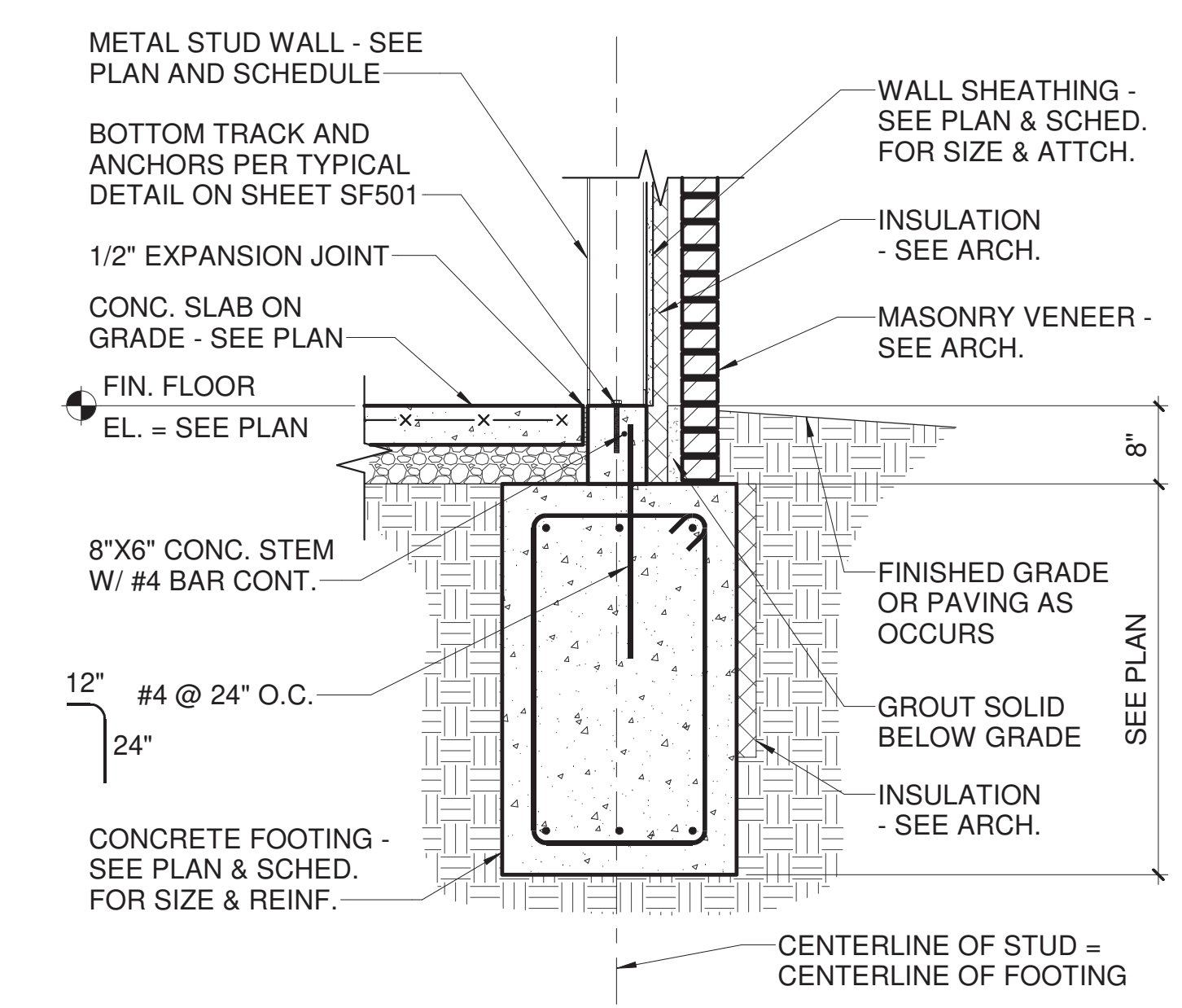


ARCHITECT/ENGINEERS:
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TSA PROJECT NO. 06054.034

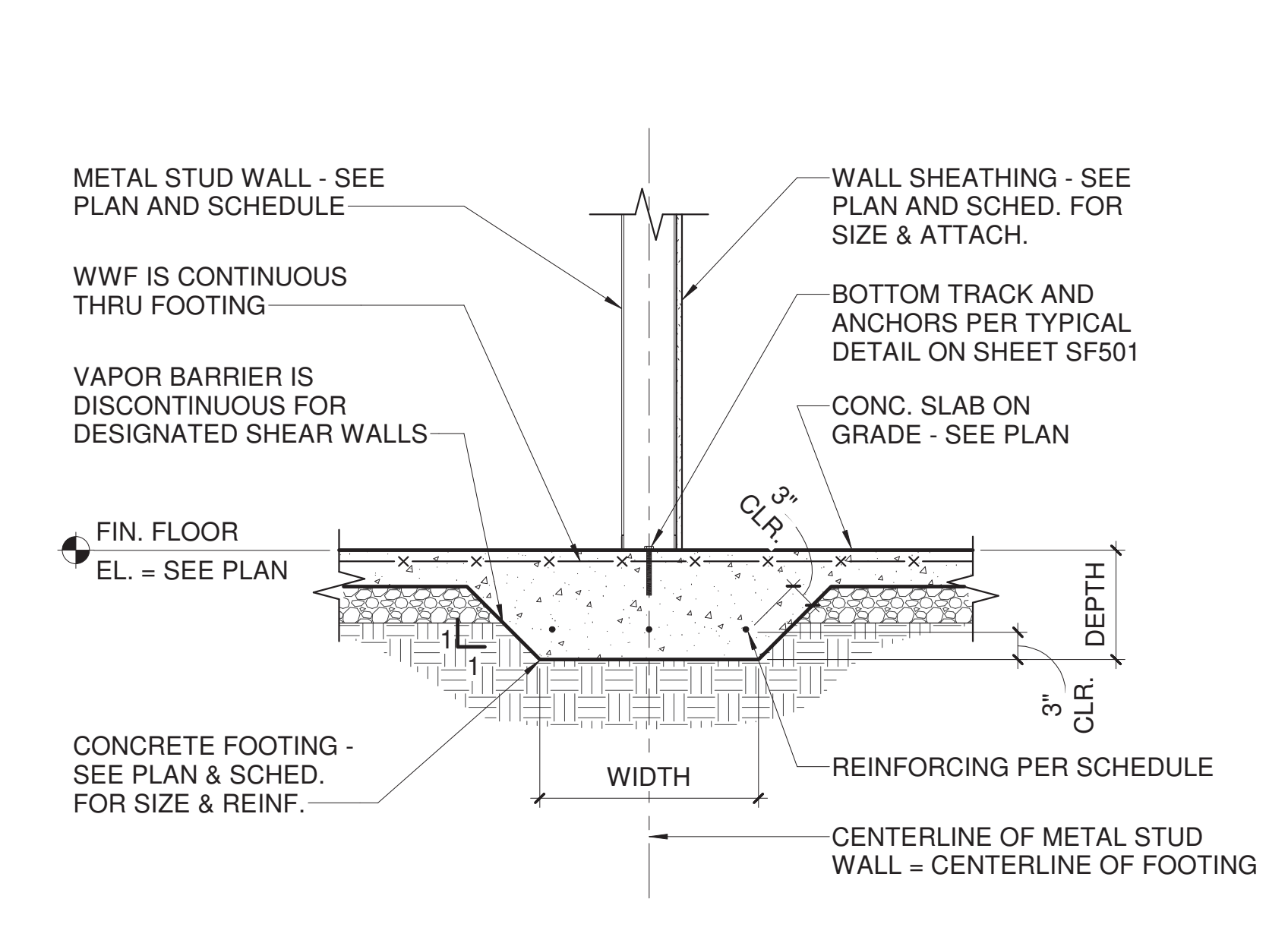
Drawing Title: TYPICAL FOUNDATION DETAILS
Approved: kmw

Project Title: CONSTRUCT CLC COTTAGE - HOSPICE
Project Number: 438-420
Building Number: 54
Location: SIOUX FALLS, SD
Date: 06/30/2021
Checked: kmw
Drawn: MJN
Drawing Number: SB501
Dwg. 47 of 90

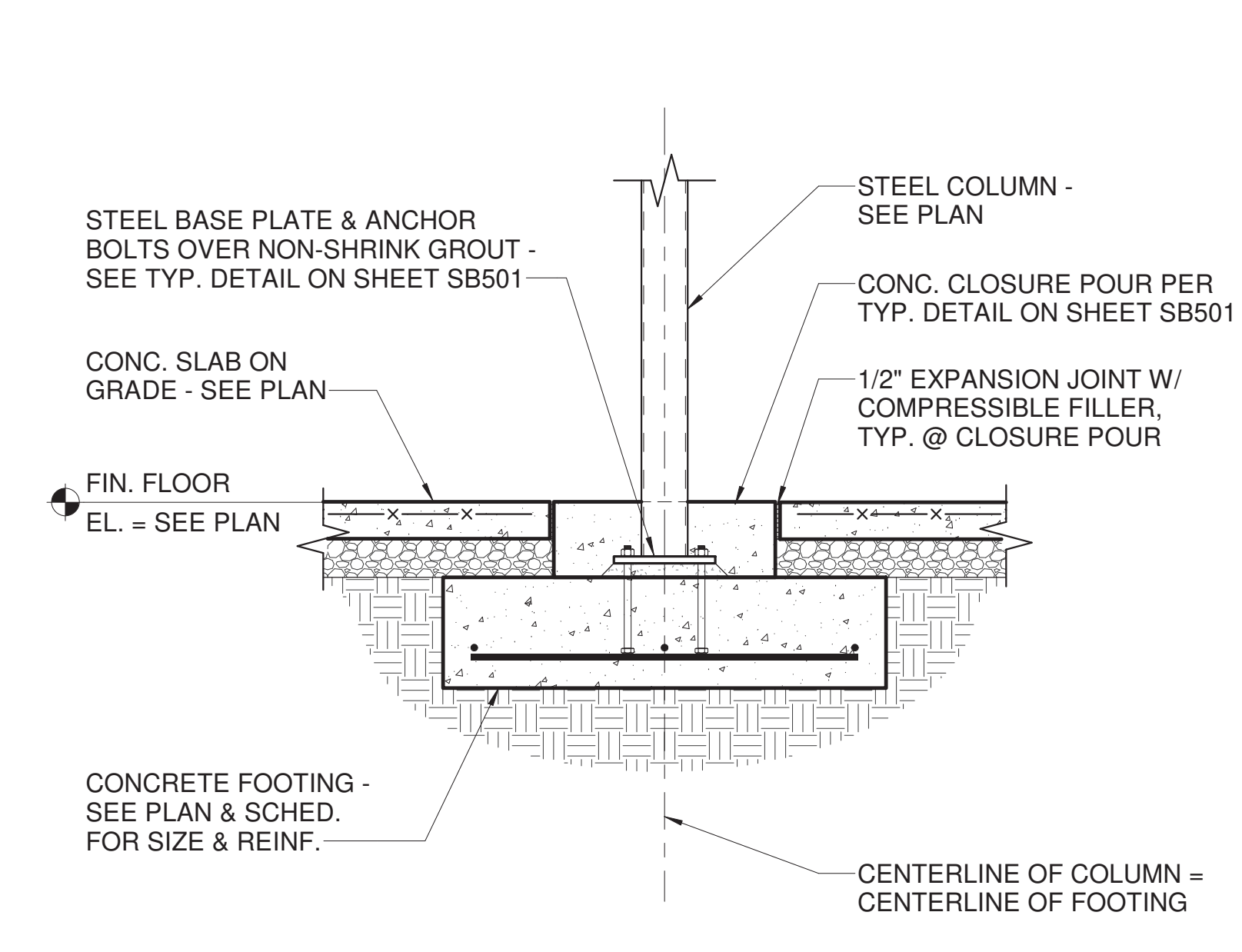
Office of Construction and Facilities Management
Department of Veterans Affairs



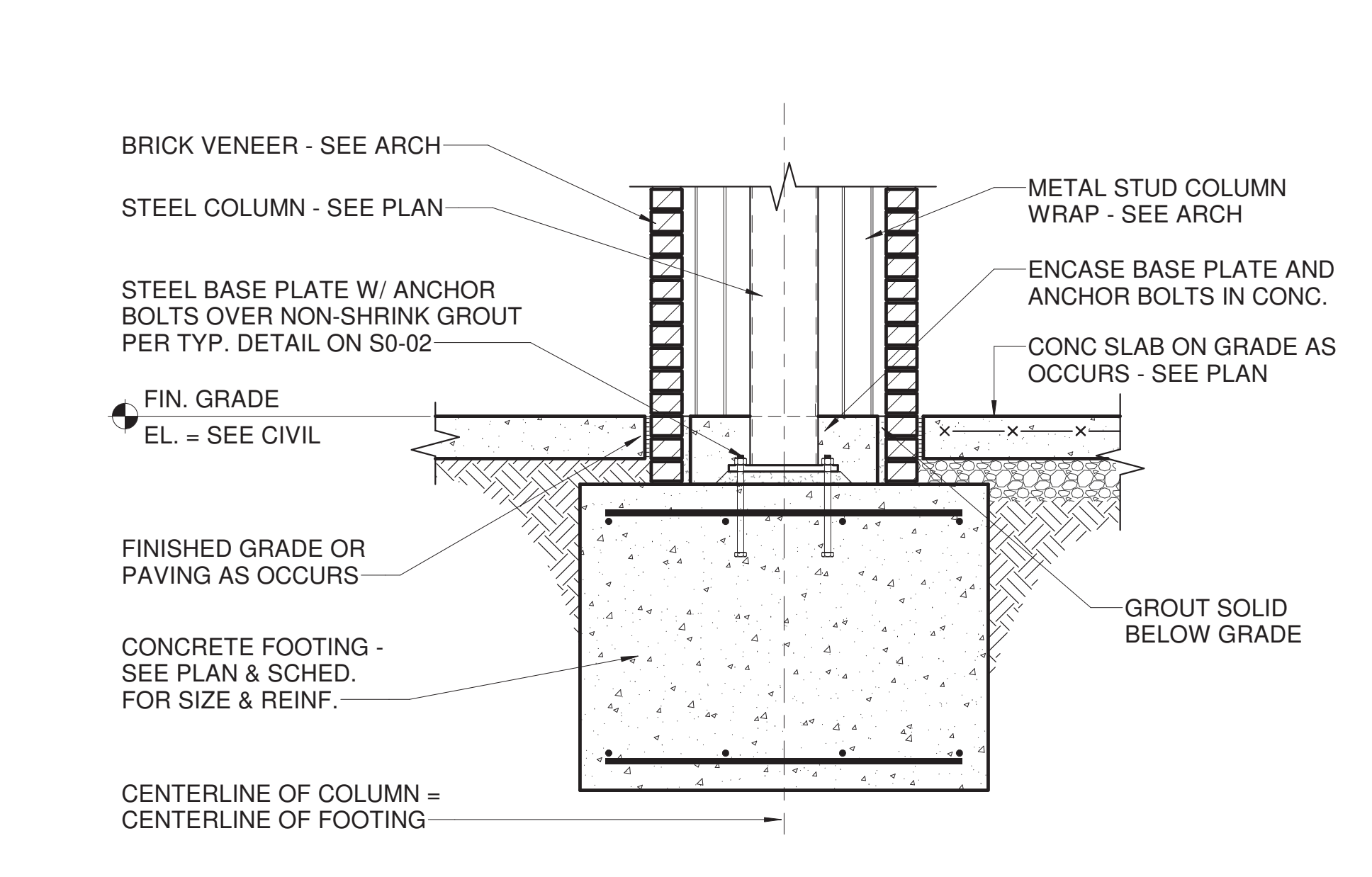
1 EXTERIOR METAL STUD WALL AT CONCRETE GRADE BEAM
SCALE: 3/4" = 1'-0"



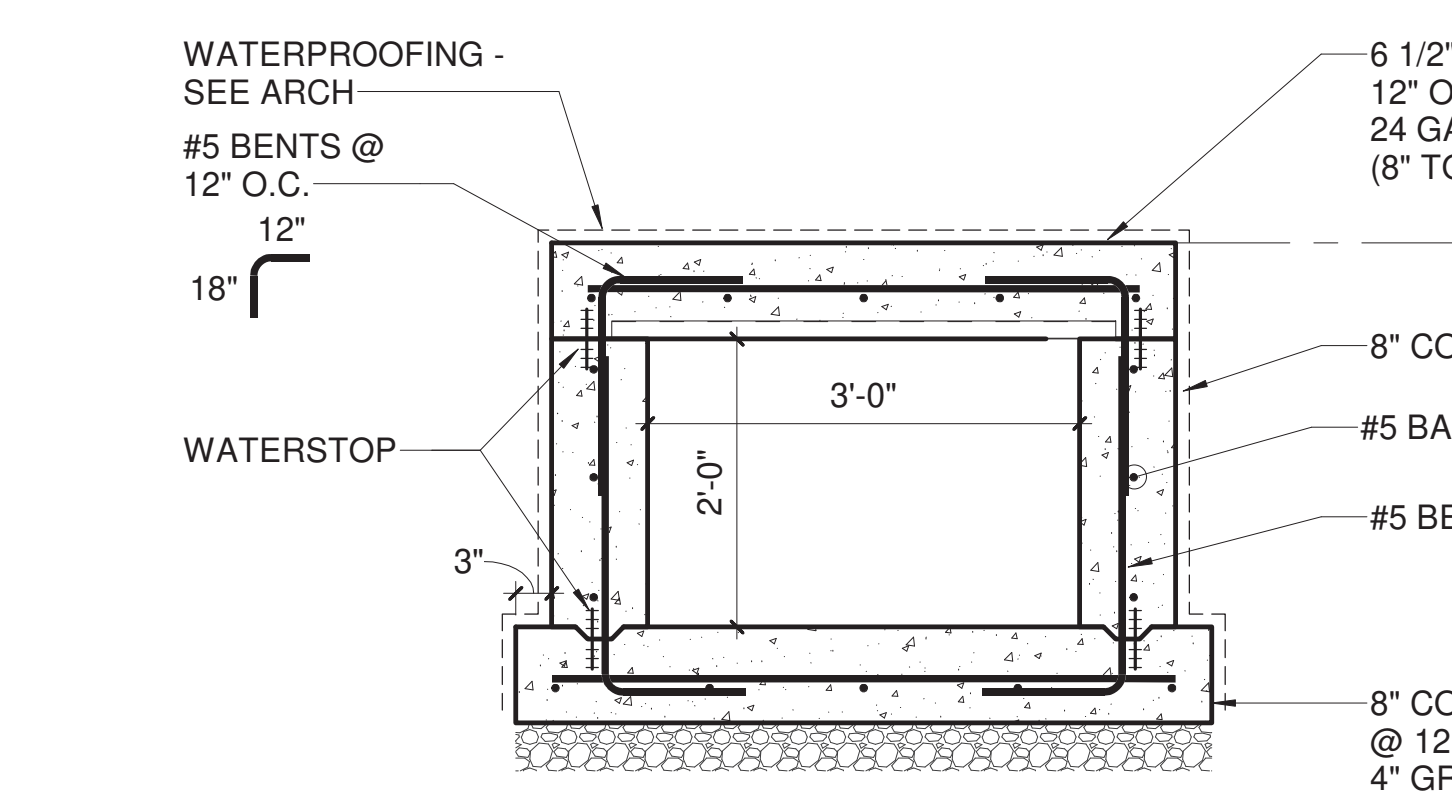
2 INTERIOR METAL STUD WALL AT THICKENED SLAB FOOTING
SCALE: 3/4" = 1'-0"



3 STEEL COLUMN AT CONCRETE PAD FOOTING
SCALE: 3/4" = 1'-0"



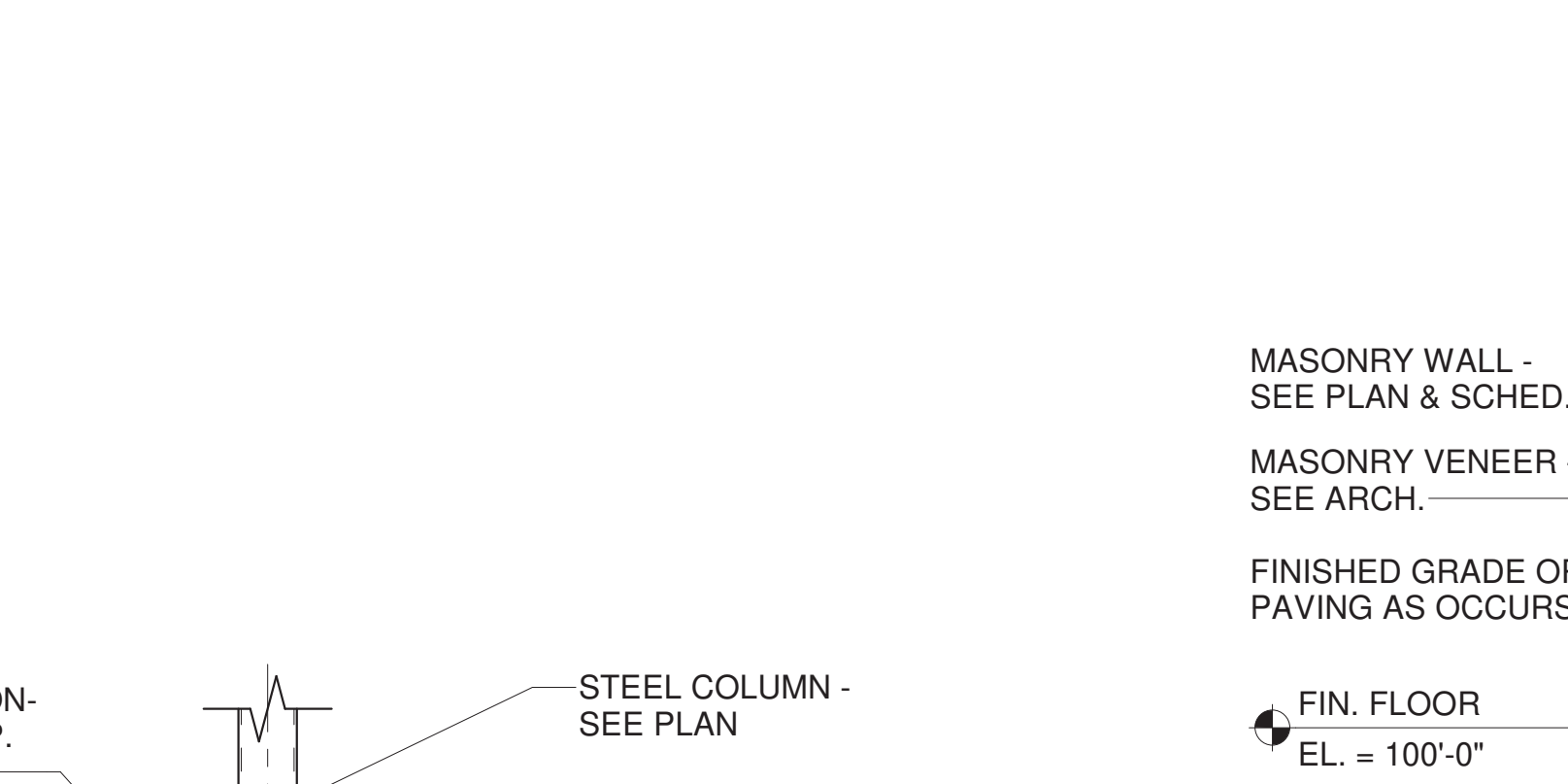
4 EXTERIOR STEEL COLUMN AT CONCRETE PAD FOOTING
SCALE: 3/4" = 1'-0"



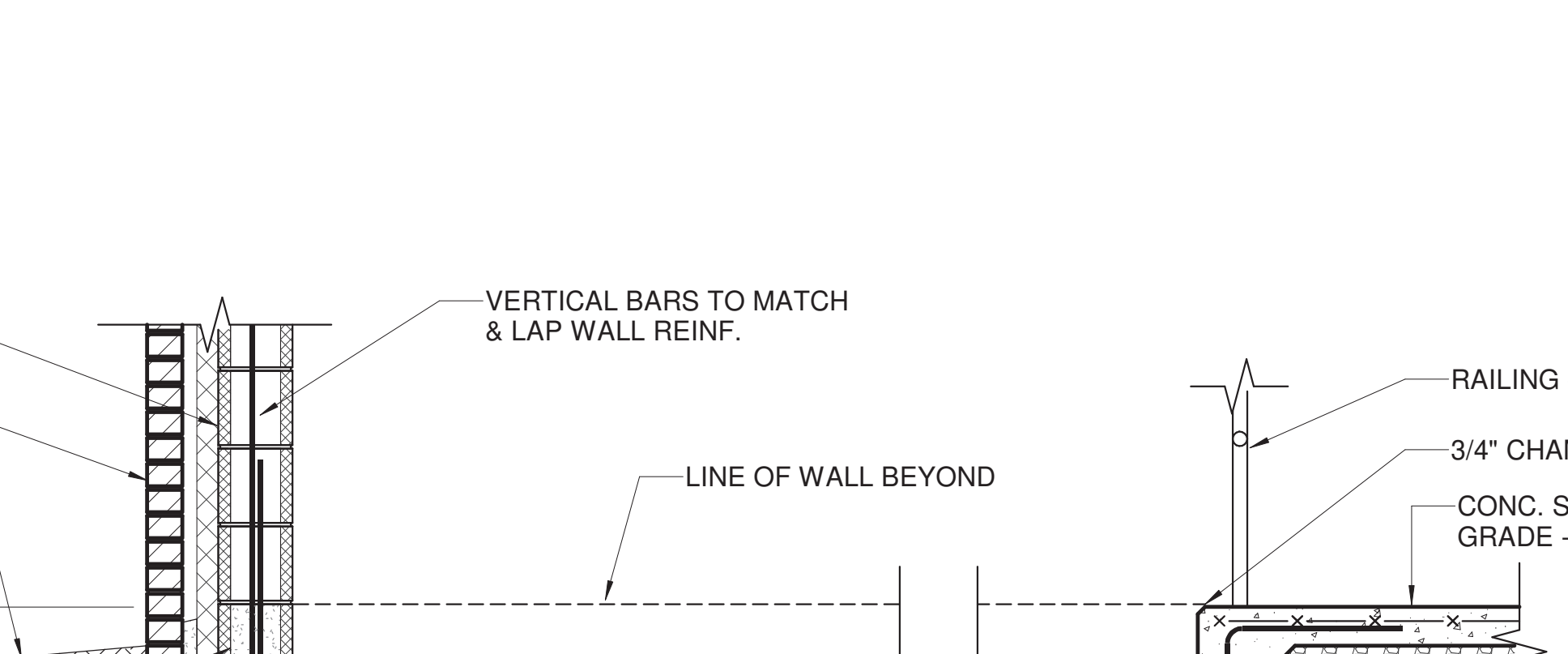
5 SECTION THROUGH DUCTBANK
SCALE: 3/4" = 1'-0"



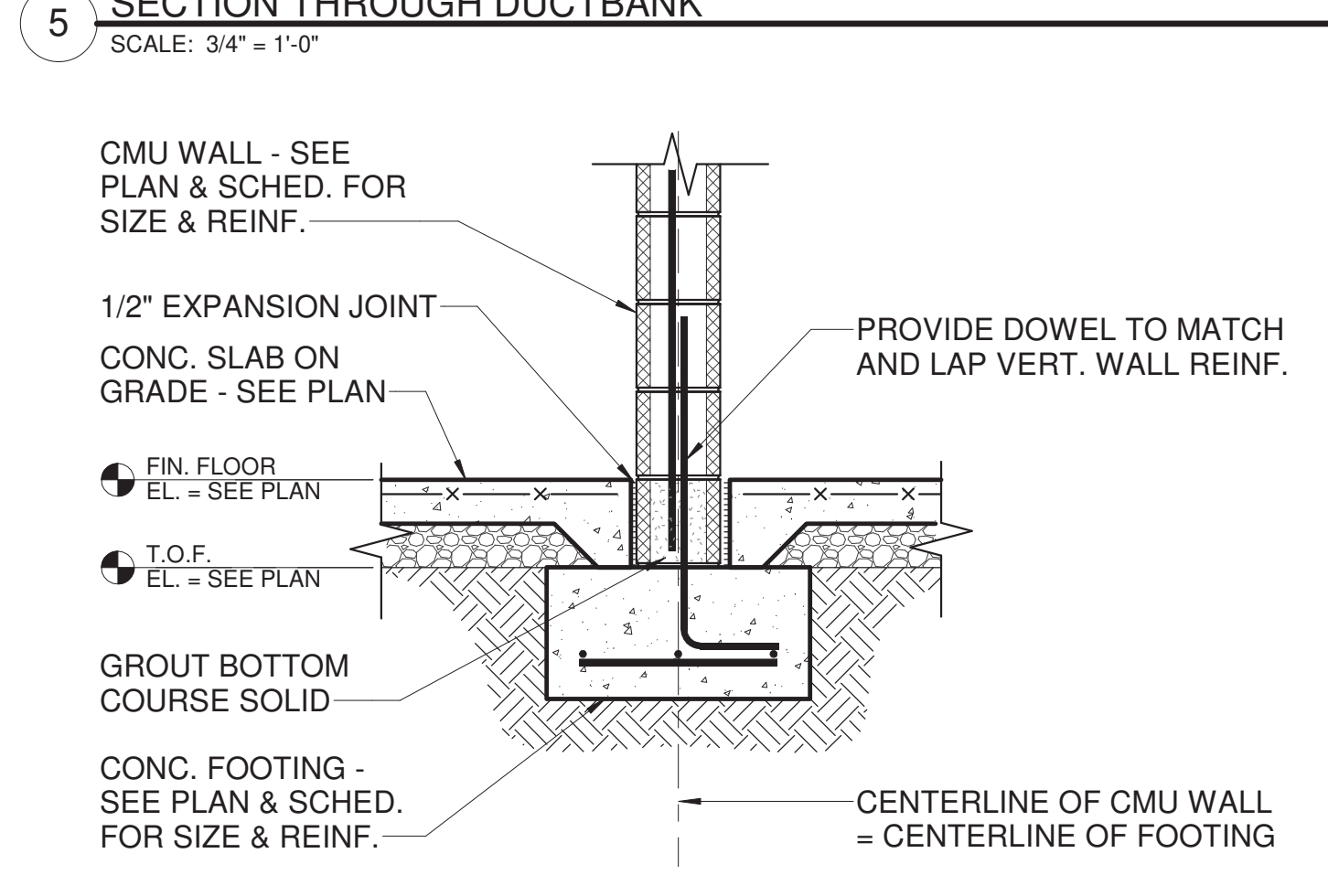
6 INTERIOR MASONRY WALL AT CONTINUOUS FOOTING
SCALE: 3/4" = 1'-0"



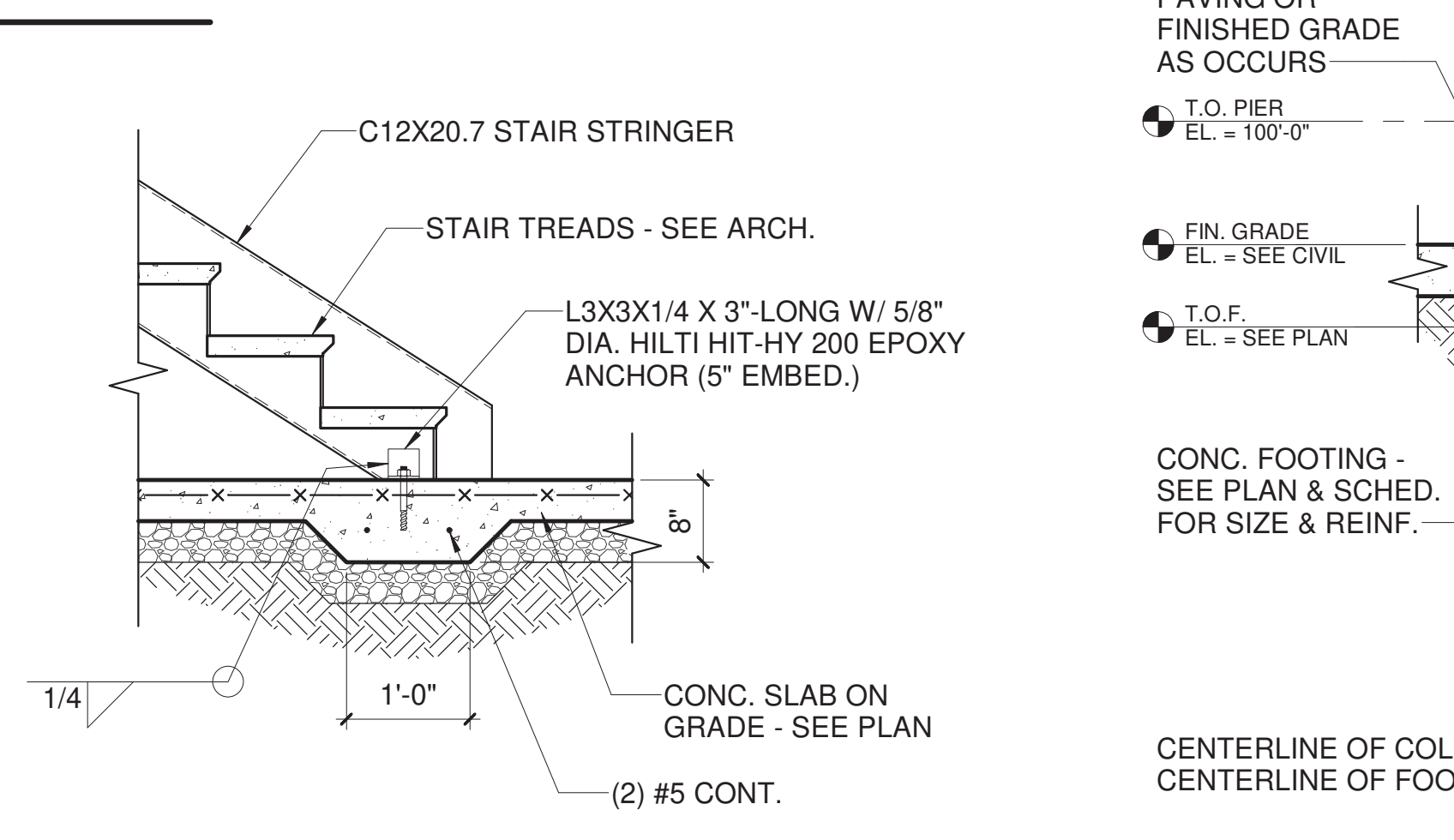
7 STAIR STRINGER CONNECTION @ SLAB ON GRADE
SCALE: 3/4" = 1'-0"



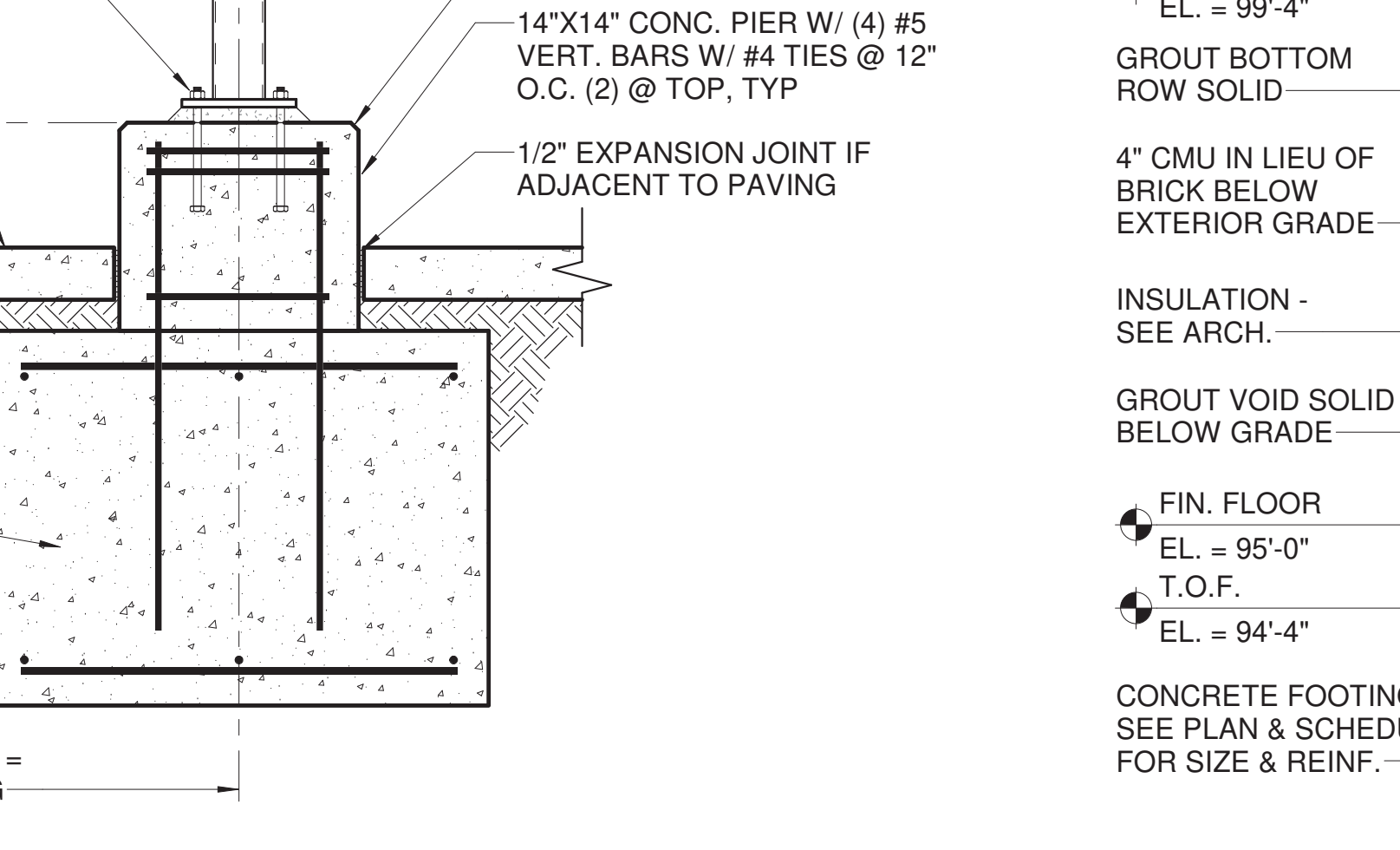
8 EXTERIOR STEEL COLUMN AT CONCRETE PAD FOOTING
SCALE: 3/4" = 1'-0"



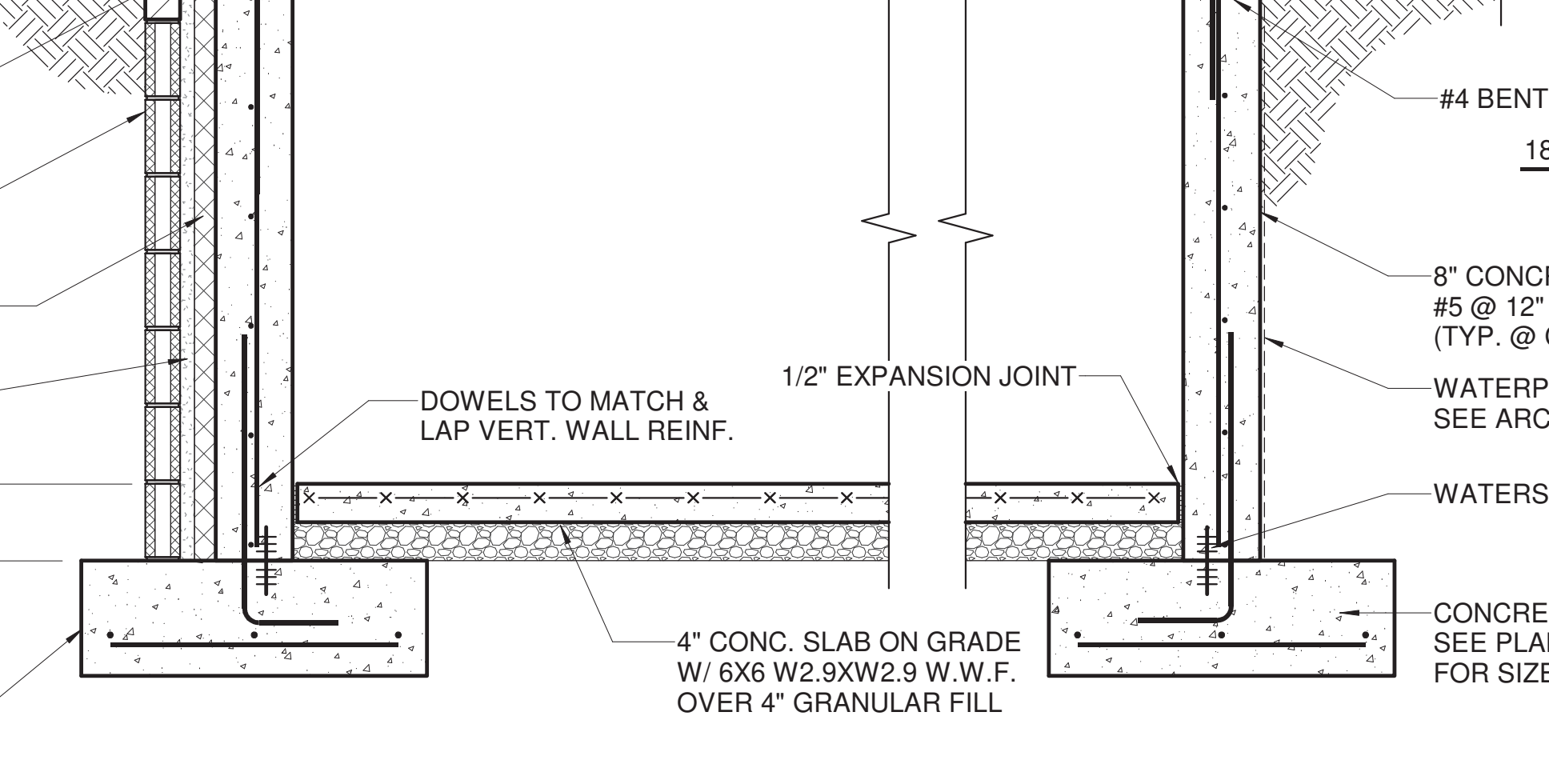
9 GRADE BEAM AT EXISTING FOUNDATION
SCALE: 3/4" = 1'-0"



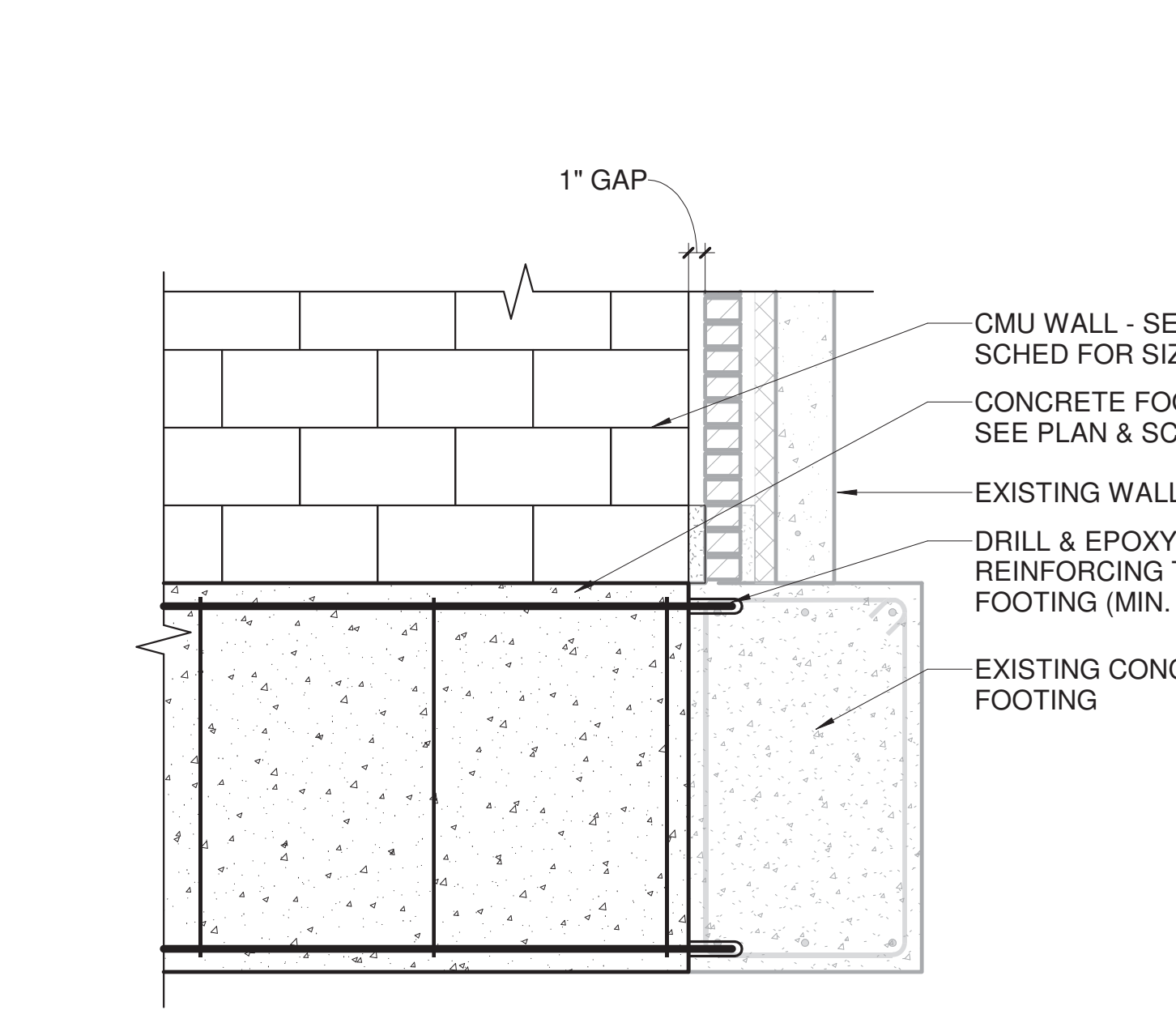
10 EXTERIOR METAL STUD WALL AT CONCRETE STOOP
SCALE: 3/4" = 1'-0"



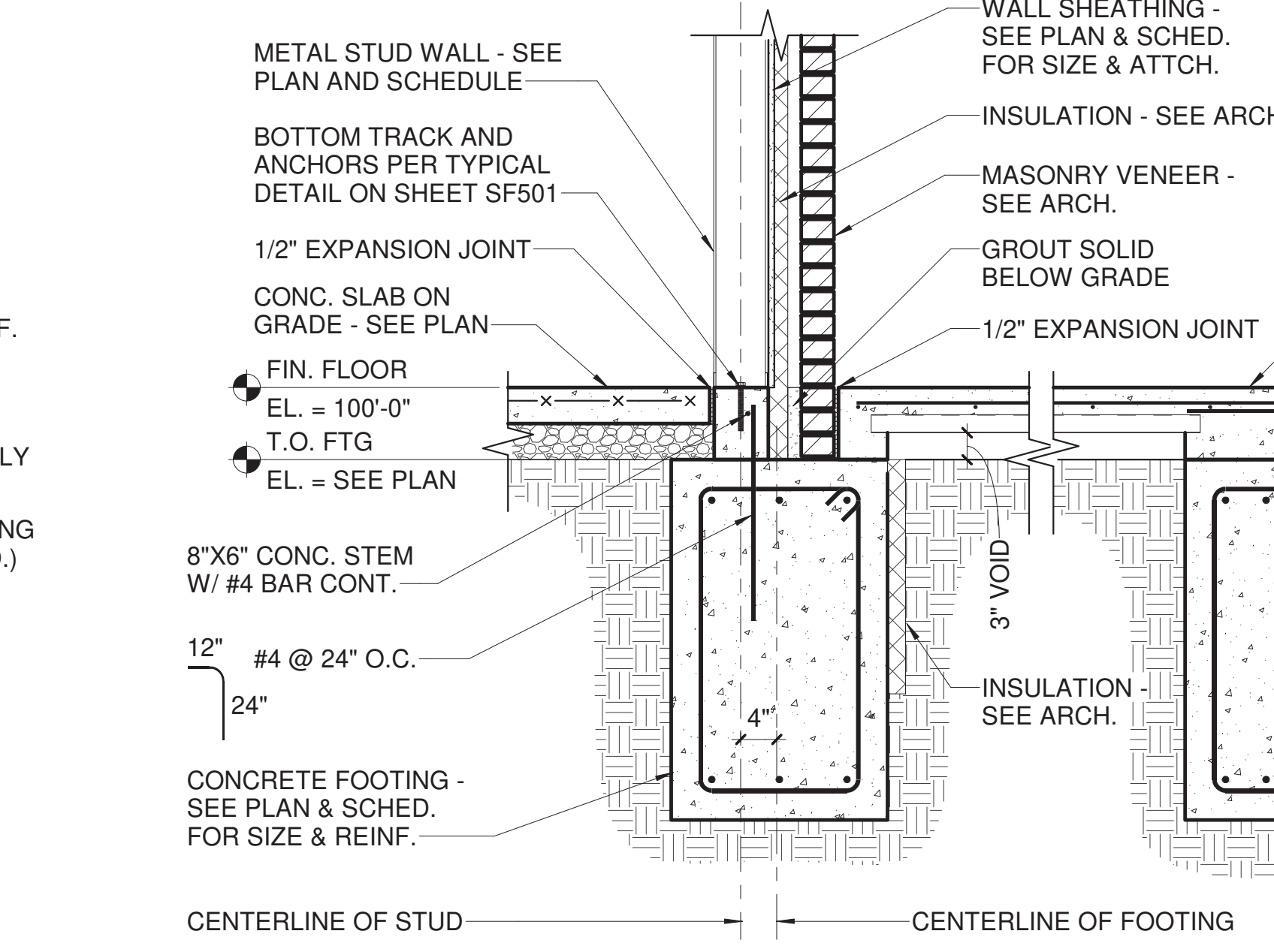
11 NEW OPENING IN EXISTING CONCRETE WALL
SCALE: 3/4" = 1'-0"



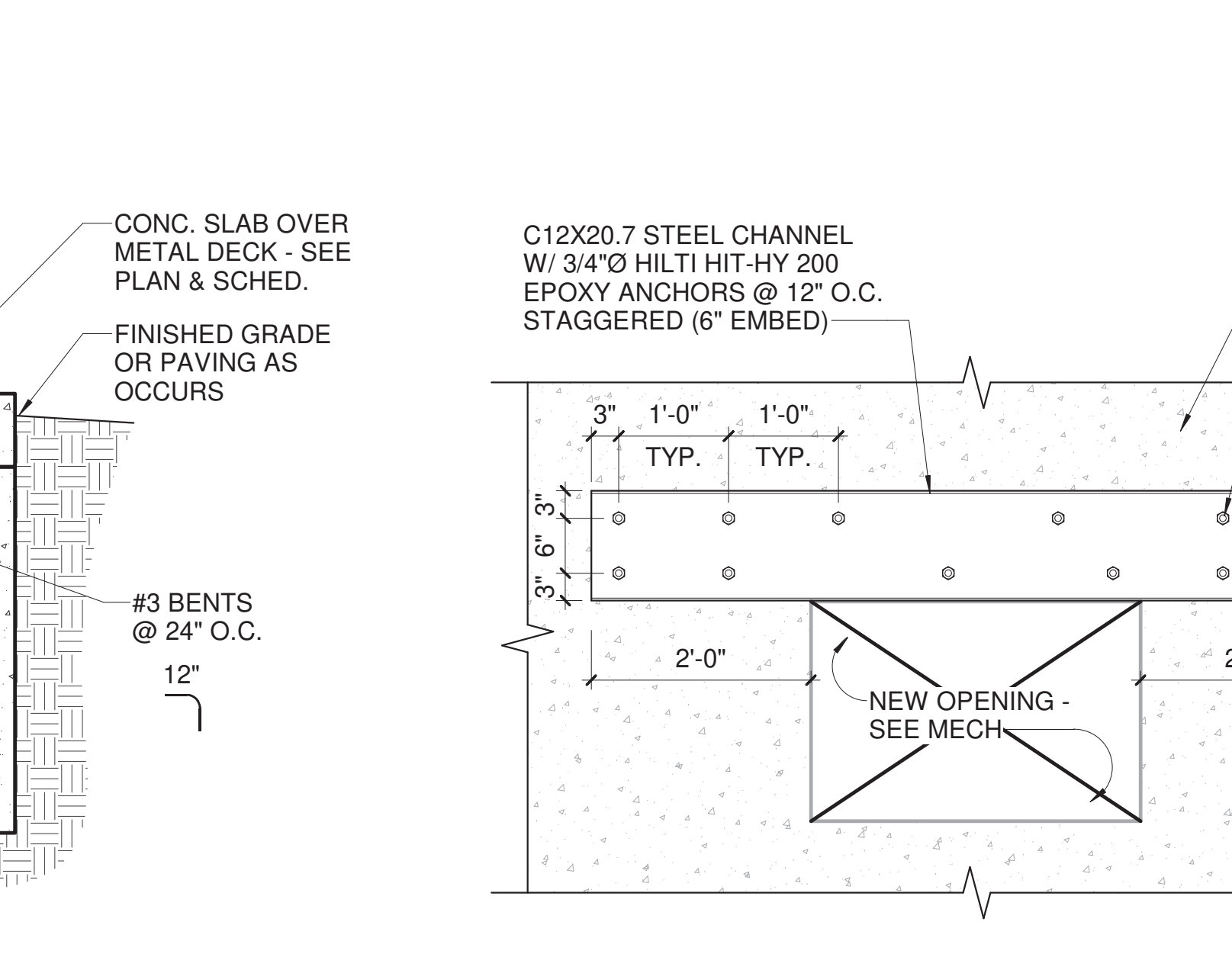
12 EXTERIOR MASONRY WALL AT CONCRETE GRADE BEAM
SCALE: 3/4" = 1'-0"



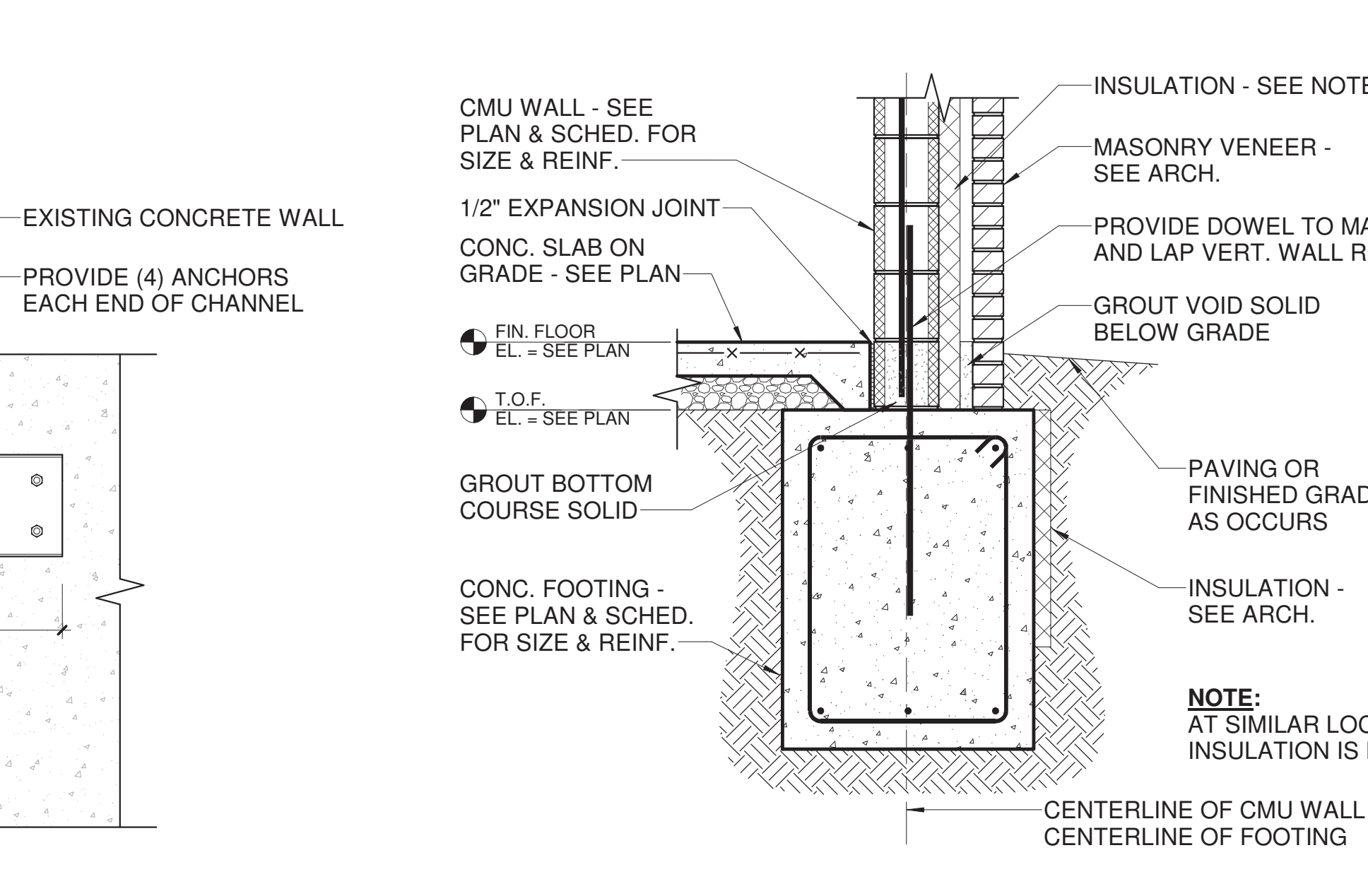
13 GRADE BEAM AT EXISTING FOUNDATION
SCALE: 3/4" = 1'-0"





14 EXTERIOR METAL STUD WALL AT CONCRETE STOOP
SCALE: 3/4" = 1'-0"



15 NEW OPENING IN EXISTING CONCRETE WALL
SCALE: 3/4" = 1'-0"



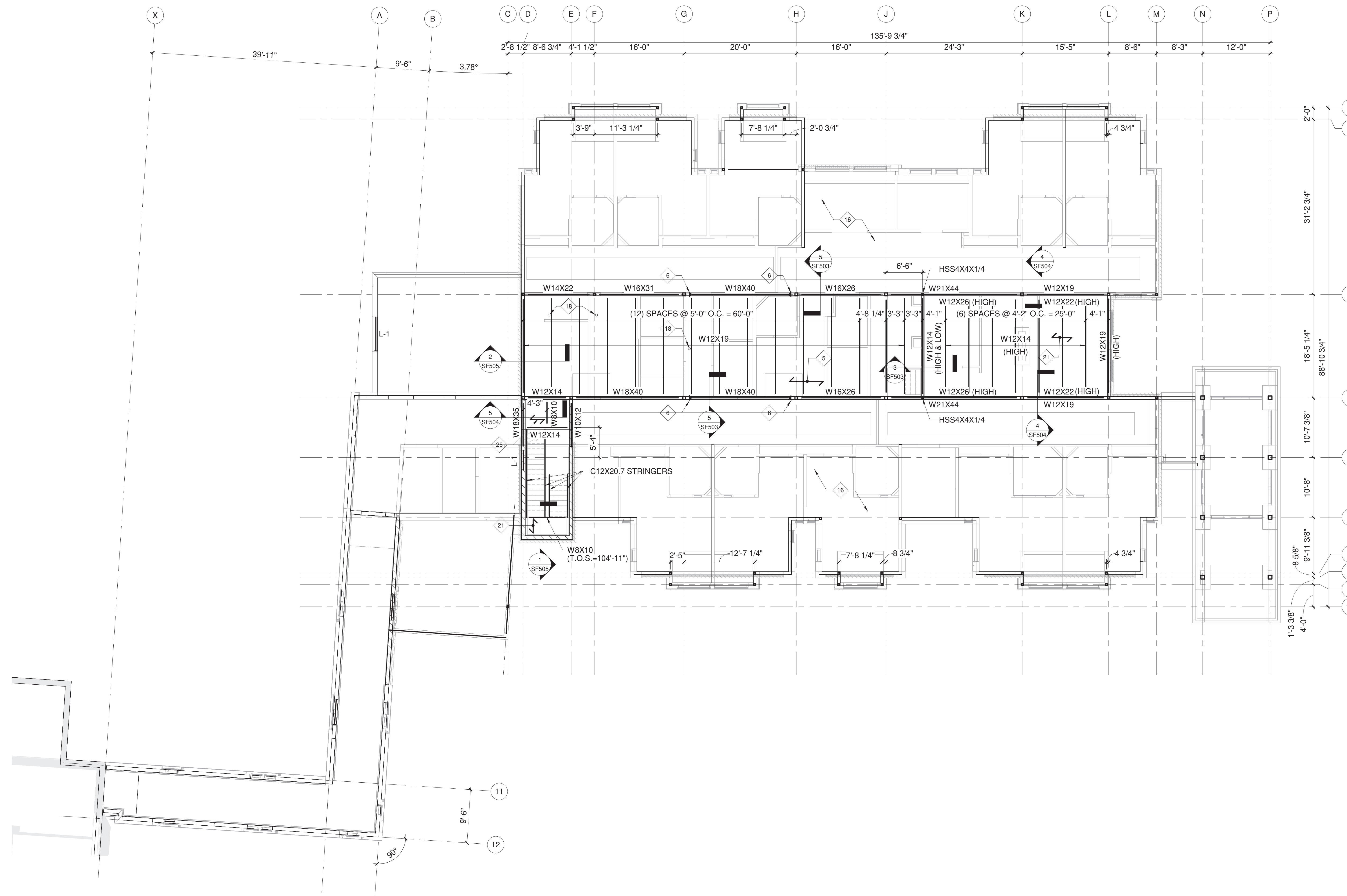
16 EXTERIOR MASONRY WALL AT CONCRETE GRADE BEAM
SCALE: 3/4" = 1'-0"

CONSULTANTS: 		ARCHITECT/ENGINEERS:  SCHEMMER <i>Design with Purpose. Build with Confidence.</i> TSA PROJECT NO. 06054.034		Drawing Title FOUNDATION DETAILS Approved: kmw		Project Title CONSTRUCT CLC COTTAGE - HOSPICE Location SIoux FALLS, SD Date 06/30/2021		Project Number 438-420 Building Number 54 Drawing Number SB502 Dwg. 48 of 90		Office of Construction and Facilities Management 	
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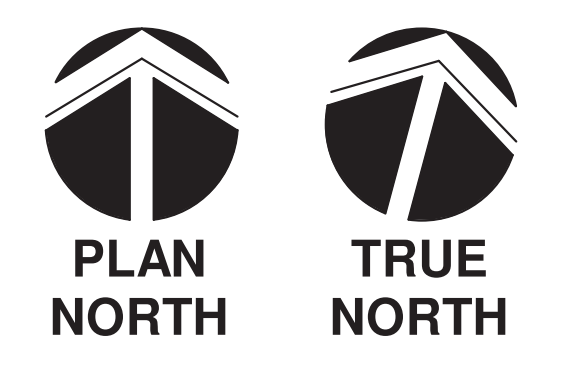
1 2 3 4 5 6 7 8 9

- FLOOR FRAMING PLAN NOTES:**
- A REFERENCE SHEET S-001 FOR STRUCTURAL NOTES AND SHEET S-000 FOR SCHEDULES.
 - B REFERENCE SHEET SF501 & SF502 FOR TYPICAL FRAMING DETAILS NOT NECESSARILY INDICATED ON PLAN.
 - C VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - D TOP OF STEEL (T.O.S.) ELEVATION IS 113'-6", TYPICAL U.N.O., (HIGH) T.O.S ELEVATION IS 115'-11 1/2"
 - E FINISHED FLOOR ELEVATION (F.F.E.) IS 114'-0", AT HIGH STEEL FINISHED FLOOR ELEVATION IS 116'-3 1/2".
 - F DEFLECTION CLIPS ARE REQUIRED FOR ALL NON-LOADBEARING METAL STUD WALLS CONNECTED TO STRUCTURE ABOVE.

- REF. NOTES (X):**
- 5 4 1/2" CONCRETE W/ 6X6 W2.9XW2.9 W.W.F. OVER 1 1/2" TYPE 'C' 20 GAUGE NON-COMPOSITE METAL DECK, TYPICAL (6" TOTAL THICKNESS) - SEE METAL DECK SCHEDULE ON SHEET S-000 FOR MORE INFORMATION.
 - 6 SYMBOL INDICATES MOMENT CONNECTION - TYPICAL REFERENCE DETAIL 7/SF502.
 - 16 PROVIDE 3/4" THICK CEMDECK (OR EQUAL) OVER BOTTOM CHORD OF LIGHT GAUGE TRUSSES. SCREW INTO TRUSS BOTTOM CHORD @ 12" ON CENTER. PROVIDE LIGHT GAUGE STUD FRAMING AS REQUIRED TO BOX OUT AROUND DUCT PENETRATIONS (COORDINATE W/ MECH.). TRUSS BOTTOM CHORDS SHALL BE DESIGNED FOR A LIVE LOAD OF 20 PSF.
 - 18 FLOOR DRAIN - SEE MECH. AND SEE ARCH FOR FLOOR SLOPE.
 - 21 2 1/2" CONCRETE W/ 6X6 W2.9XW2.9 W.W.F. OVER 1 1/2" TYPE 'C' 20 GAUGE NON-COMPOSITE METAL DECK, TYPICAL (U.N.O.) - SEE METAL DECK SCHEDULE ON SHEET S-000 FOR MORE INFORMATION.
 - 25 8 1/2" CONCRETE W/ #4 BARS @ 12" O.C. EA. WAY OVER 1 1/2" TYPE 'C' 20 GAUGE NON-COMPOSITE METAL DECK, TYPICAL (10" TOTAL THICKNESS) - SEE METAL DECK SCHEDULE ON SHEET S-000 FOR MORE INFORMATION.



1 ATTIC FRAMING PLAN
SCALE: 1/8" = 1'-0"

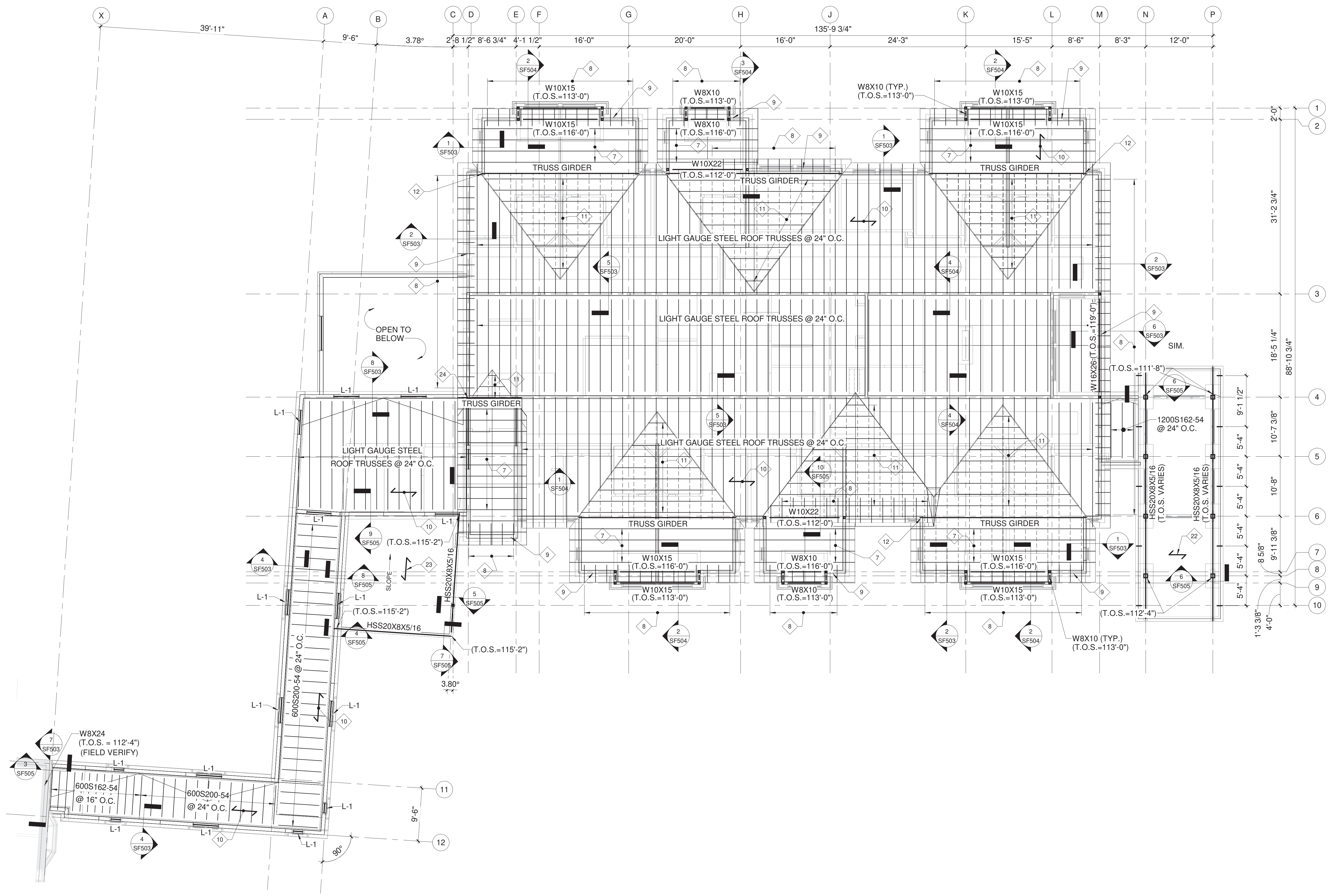


CONSULTANTS: 				ARCHITECT/ENGINEERS: <h1 style="text-align: center;">SCHEMMER</h1> <p style="text-align: center;">Design with Purpose. Build with Confidence.</p> <p style="font-size: small; text-align: center;">TSA PROJECT NO. 06054.034</p>		Drawing Title ATTIC FRAMING PLAN		Project Title CONSTRUCT CLC COTTAGE - HOSPICE		Project Number 438-420		Office of Construction and Facilities Management	
Revisions:						Approved: kww		Location SIOUX FALLS, SD		Building Number 54		Department of Veterans Affairs	
Date						Date 06/30/2021		Checked KMW		Drawn M.J.N.		Drawing Number SF101 Dwg. 49 of 90	

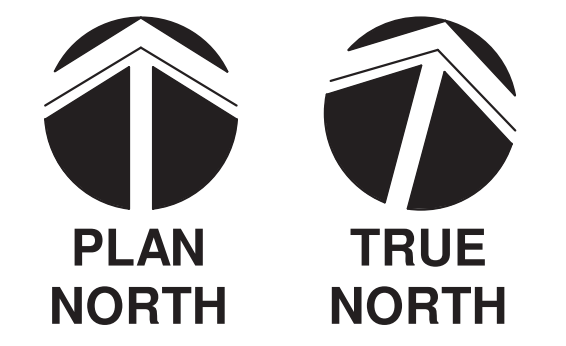
1 2 3 4 5 6 7 8 9

- ROOF FRAMING PLAN NOTES:**
- A REFERENCE SHEET S-001 FOR STRUCTURAL NOTES AND SHEET S-000 FOR SCHEDULES.
 - B REFERENCE SHEET SF501 FOR TYPICAL FRAMING DETAILS NOT NECESSARILY INDICATED ON PLAN.
 - C VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - D TOP OF STEEL (T.O.S.) ELEVATION IS 113'-6", TYPICAL U.N.O.
 - E DEFLECTION CLIPS ARE REQUIRED FOR ALL NON-LOADBEARING METAL STUD WALLS CONNECTED TO STRUCTURE ABOVE.
 - F PROVIDE TRUSS HOLD-DOWN ANCHORS AT ALL TRUSS BEARING LOCATIONS.
 - G REFERENCE ARCHITECTURAL SECTIONS FOR TRUSS BEARING HEIGHTS, CEILING PROFILE REQUIREMENTS, AND OVERHANG CONDITIONS.
 - H LIGHT GAUGE STEEL TRUSSES SHALL BE DESIGNED TO SUPPORT CEILING LIFTS IN ALL RESIDENT ROOMS AND IN THE BATHING SUITE (1,000 # CONCENTRATED LIVE LOAD). REFERENCE ARCHITECTURAL REFLECTED CEILING PLAN FOR LIFT LOCATIONS.

- REF. NOTES (X):**
- 7 LIGHT GAUGE STEEL ROOF TRUSSES @ 24" O.C.
 - 8 LIGHT GAUGE CEE OUTRIGGERS @ 24" O.C.
 - 9 LIGHT GAUGE CEE-STUD GABLE FRAME ABOVE STUD WALL OR STEEL BEAM AS OCCURS. BRACE TO ROOF STRUCTURE AS SHOWN IN DETAILS.
 - 10 1" TYPE 'E' 26 GAUGE METAL ROOF DECK, TYPICAL (U.N.O.) - SEE METAL DECK SCHEDULE ON SHEET S-000 FOR MORE INFORMATION.
 - 11 LIGHT GAUGE STEEL OVER FRAMING TRUSSES @ 24" O.C.
 - 12 PROVIDE (2) 600S162 12 GA. (50 KSI) STUDS BELOW TRUSS GIRDER BEARING - TYPICAL
 - 22 TORIS 4A 18 GA. ROOF DECK - SEE METAL DECK SCHEDULE ON SHEET S-000 FOR MORE INFORMATION.
 - 23 TORIS 5.5 18 GA. ROOF DECK - SEE METAL DECK SCHEDULE ON SHEET S-000 FOR MORE INFORMATION.
 - 24 WOOD TRUSS MANUFACTURER TO PROVIDE 16X12 OPENING FOR MECHANICAL DUCT

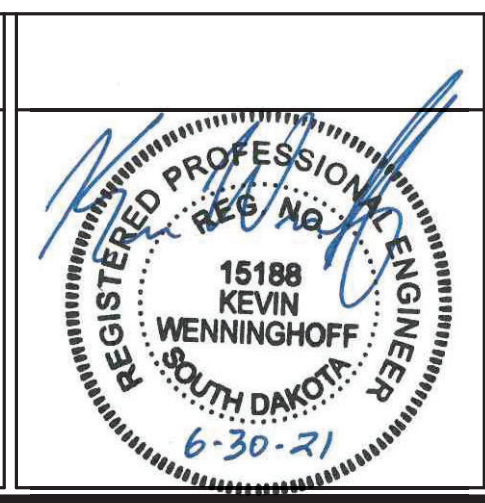


1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



Revisions:	Date

CONSULTANTS:



ARCHITECT/ENGINEERS:

SCHEMMER
Design with Purpose. Build with Confidence.

TSA PROJECT NO.: 06054.034

Drawing Title: ROOF FRAMING PLAN

Approved: kww

Project Title: CONSTRUCT CLC COTTAGE - HOSPICE

Location: SIOUX FALLS, SD

Date: 06/30/2021

Checked: KMM

Drawn: M.J.N.

Project Number: 438-420

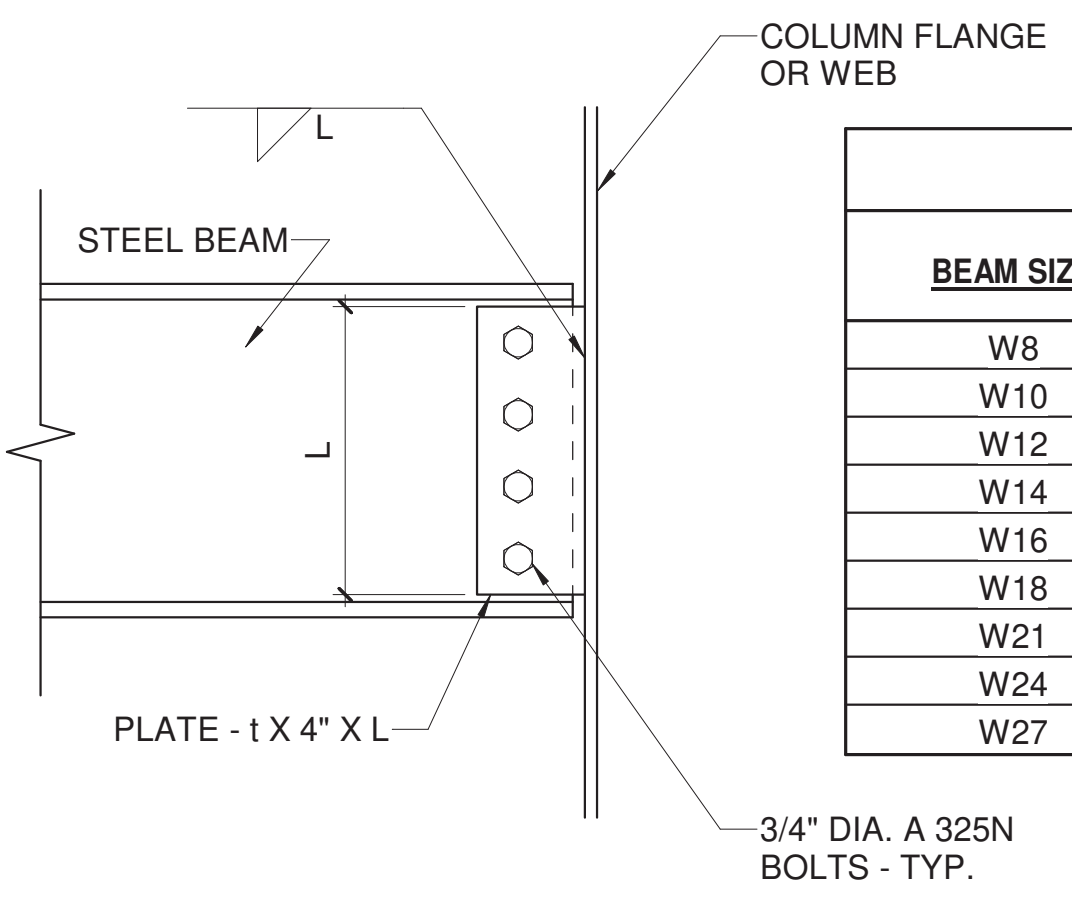
Building Number: 54

Drawing Number: SF102

Dwg. 50 of 90

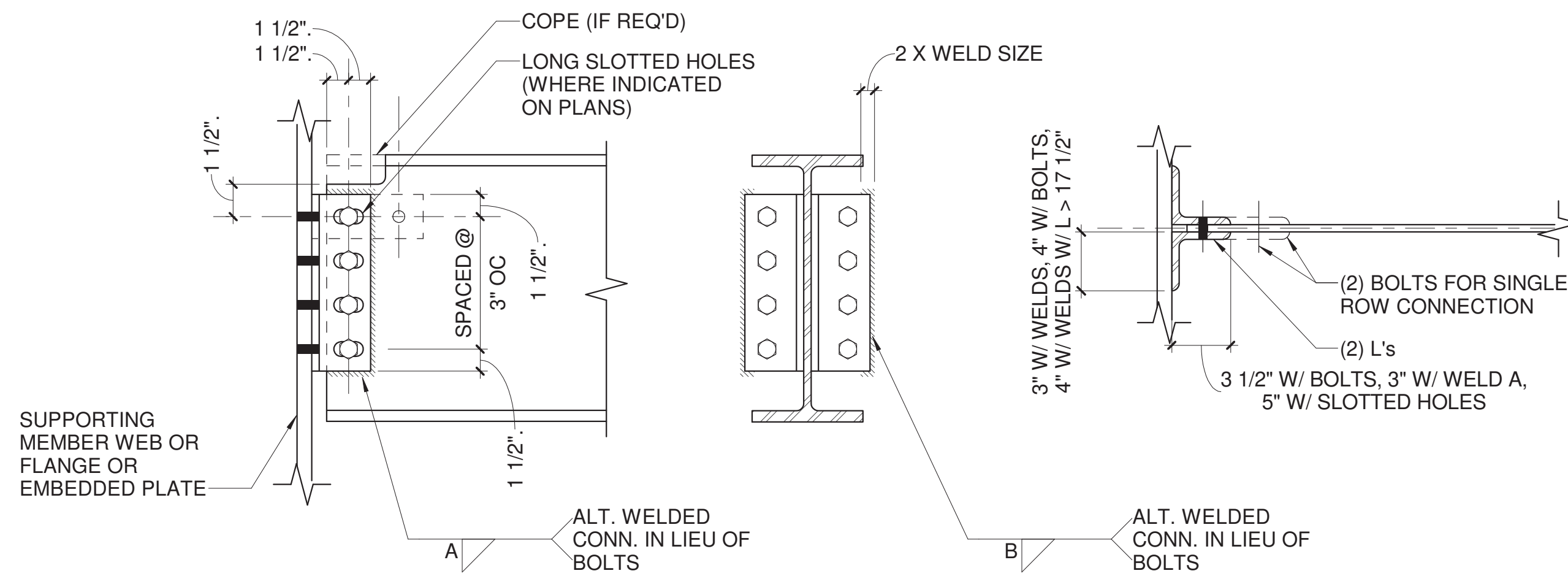
Office of Construction and Facilities Management

Department of Veterans Affairs



BEAM TO COLUMN CONNECTION SCHEDULE				
BEAM SIZE	# BOLTS, N	WELD LENGTH, L (IN.)	PL. THICKNESS, L (IN.)	WELD SIZE (IN.)
W8	2	6	1/4	1/4
W10	2	6	1/4	1/4
W12	3	9	3/8	1/4
W14	3	9	3/8	1/4
W16	4	12	3/8	1/4
W18	4	12	3/8	1/4
W21	5	15	7/16	1/4
W24	7	21	7/16	1/4
W27	8	23 1/2	7/16	1/4

1 TYPICAL BEAM TO COLUMN CONNECTION DETAIL
SCALE: NOT TO SCALE

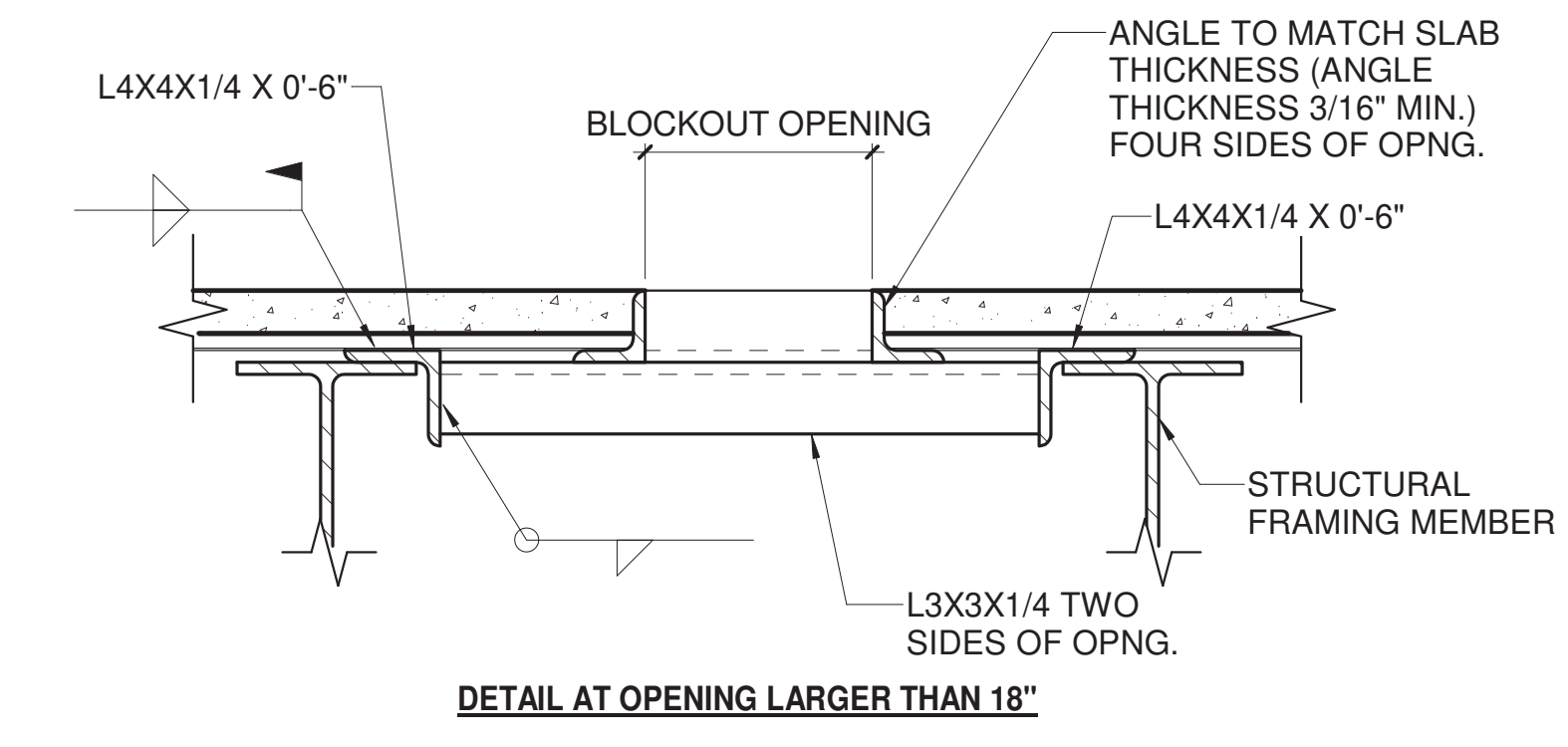
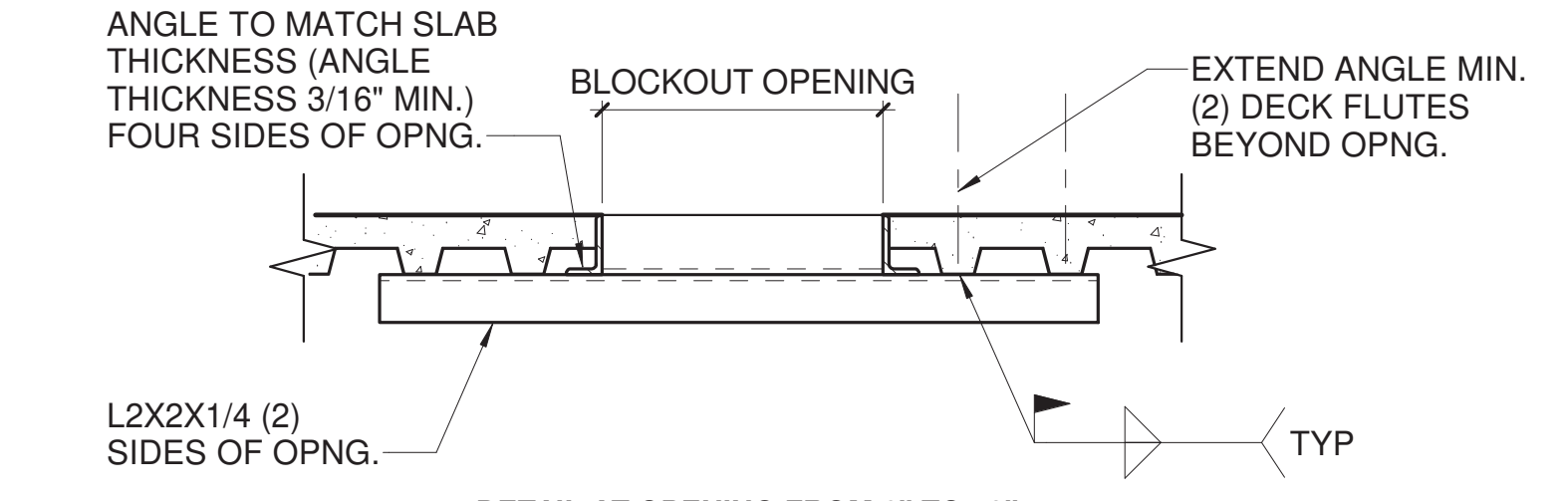
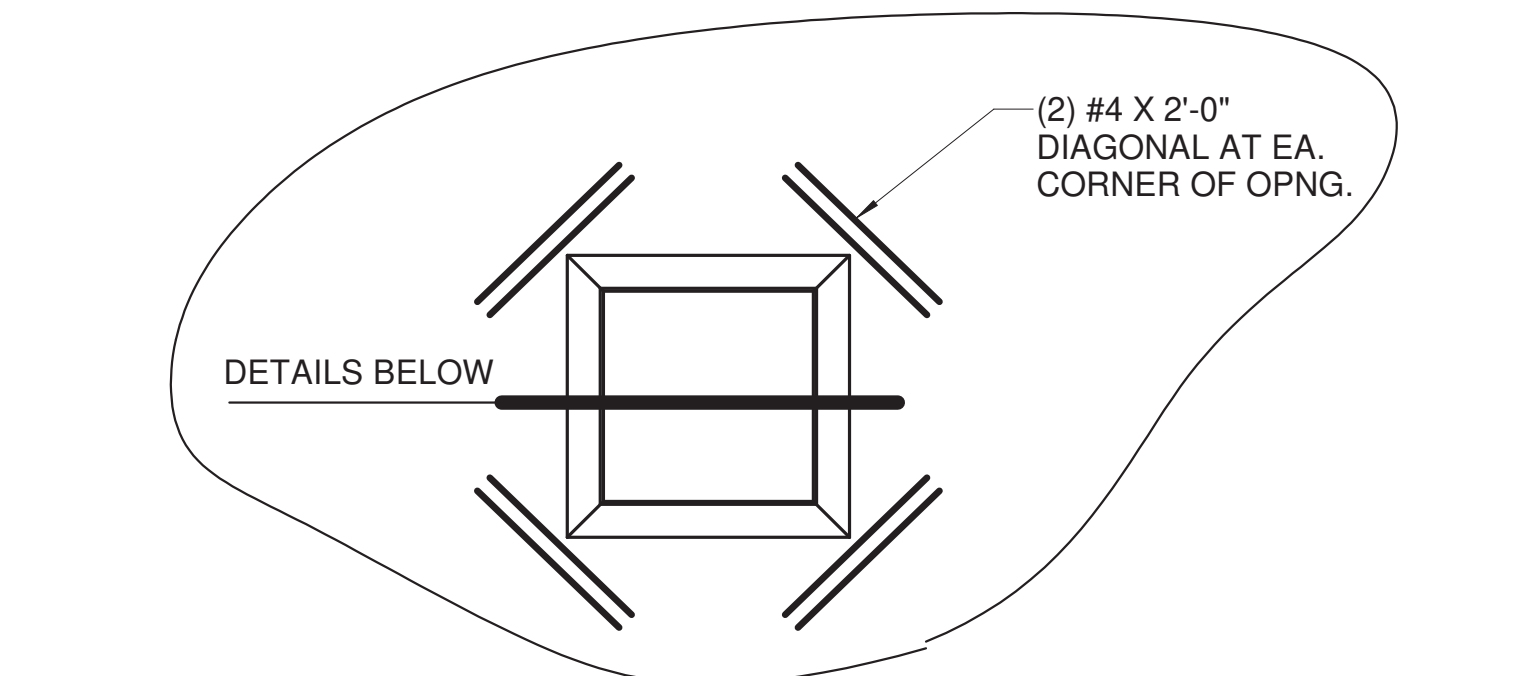


2 TYPICAL FRAMED BEAM TO BEAM CONNECTION
SCALE: 3/4" = 1'-0"

DOUBLE ANGLE FRAMED BEAM CONNECTIONS
(BEARING-TYPE OR ALTERNATE WELDED CONNECTIONS)

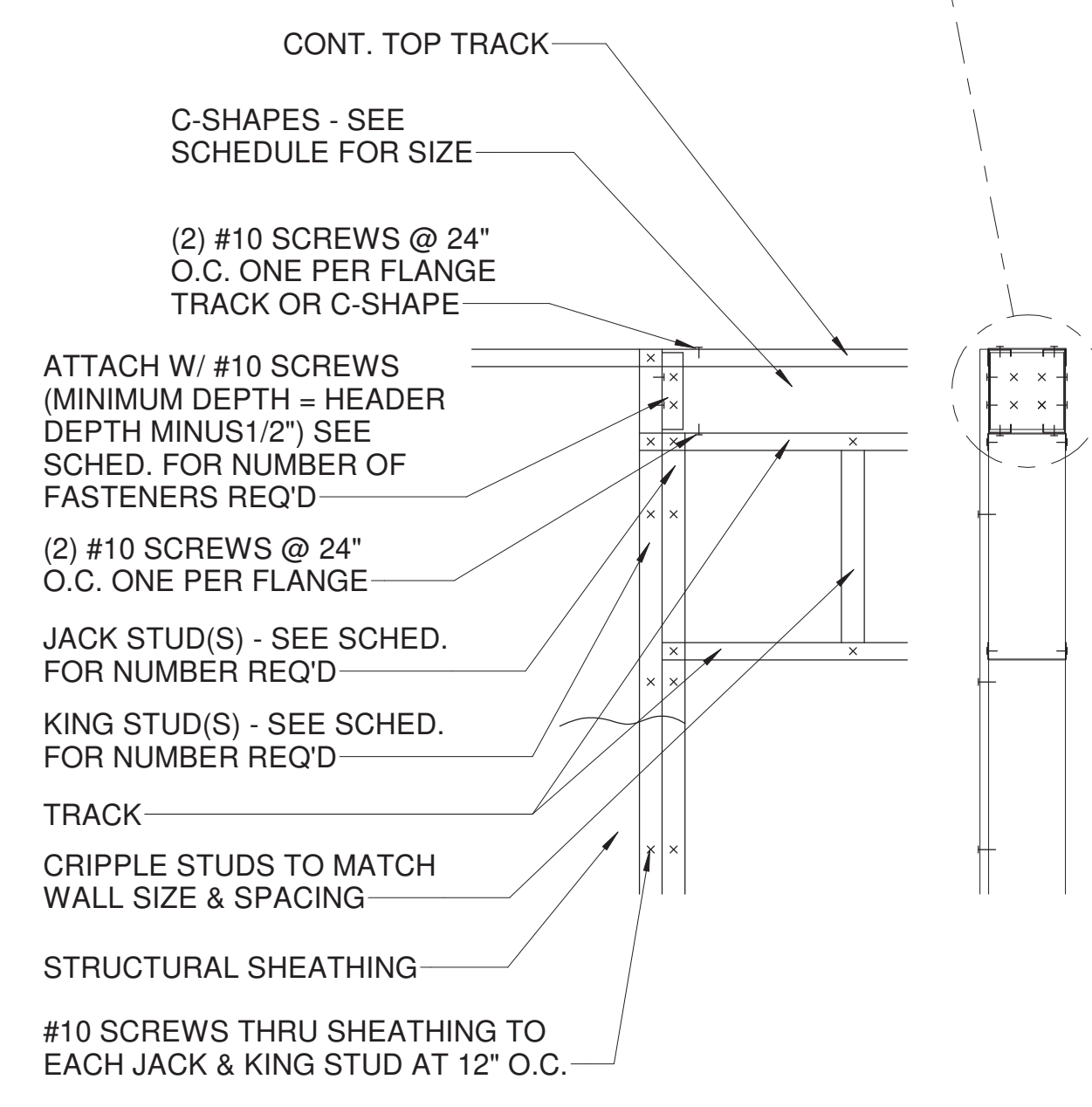
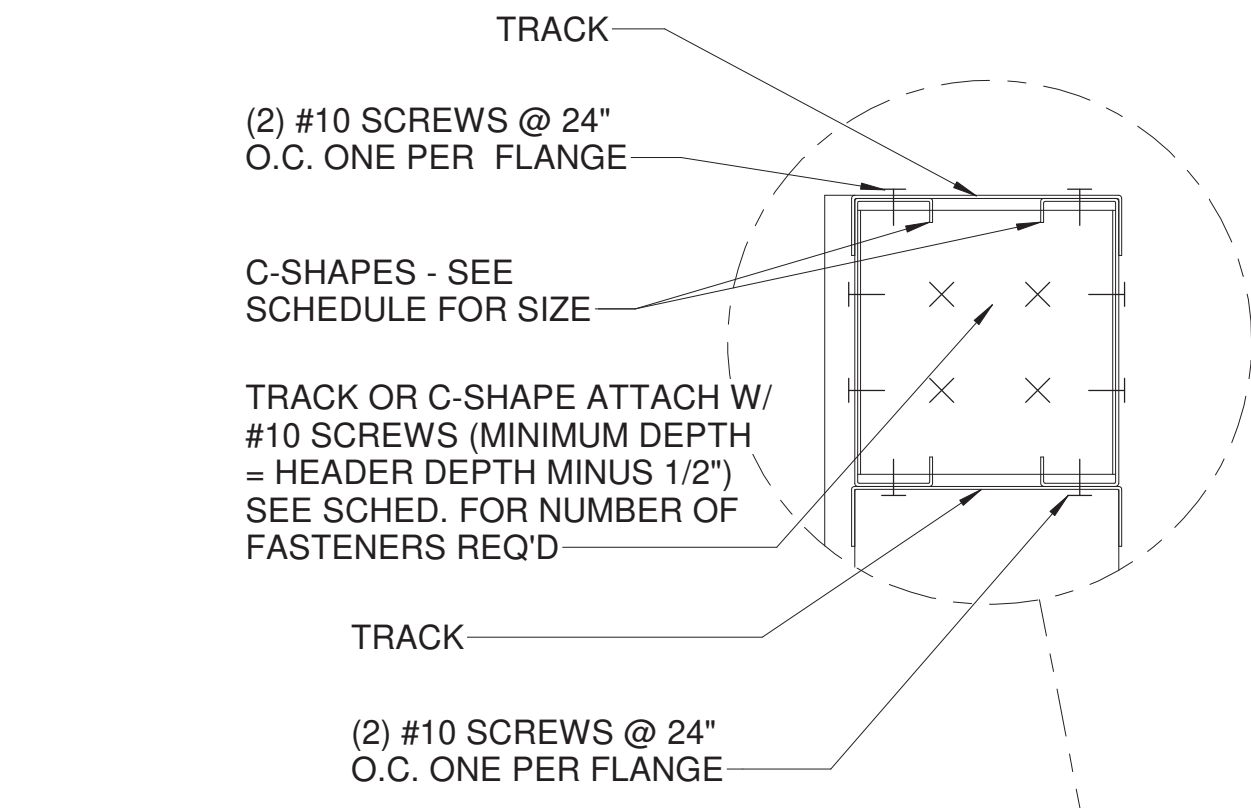
BOLT MATERIAL: ASTM A325
BOLD DIA.: 0.75"
BOLD TYPE: N (X: THREADS EXCL. N: THREADS INCL.)
MEMBER STEEL: A572, GR. 50
ANGLE STEEL: A36
HOLE TYPE: STANDARD OR SHORT SLOTTED / PERPENDICULAR TO FORCE

MEMBER GROUP	CONNECTING ANGLES		NO. OF BOLT ROWS	ALT. WELD - A	ALT. WELD - B
	THICKNESS	LENGTH			
W8 X 10-15	1/4	6	2	3/16	1/4
W8 X 18-35	5/16	6	2	1/4	1/4
W10 X 12-26	5/16	6	2	1/4	1/4
W12 X 14-30	5/16	6	2	1/4	1/4
W14 X 22-30	5/16	9	3	1/4	1/4
W16 X 26-36	5/16	12	4	1/4	1/4
W18 X 35-40	5/16	12	4	1/4	1/4
W21 X 44-62	5/16	12	4	1/4	1/4
W24 X 55-62	5/16	15	5	1/4	1/4
W27 X 84-161	5/16	21	7	1/4	1/4

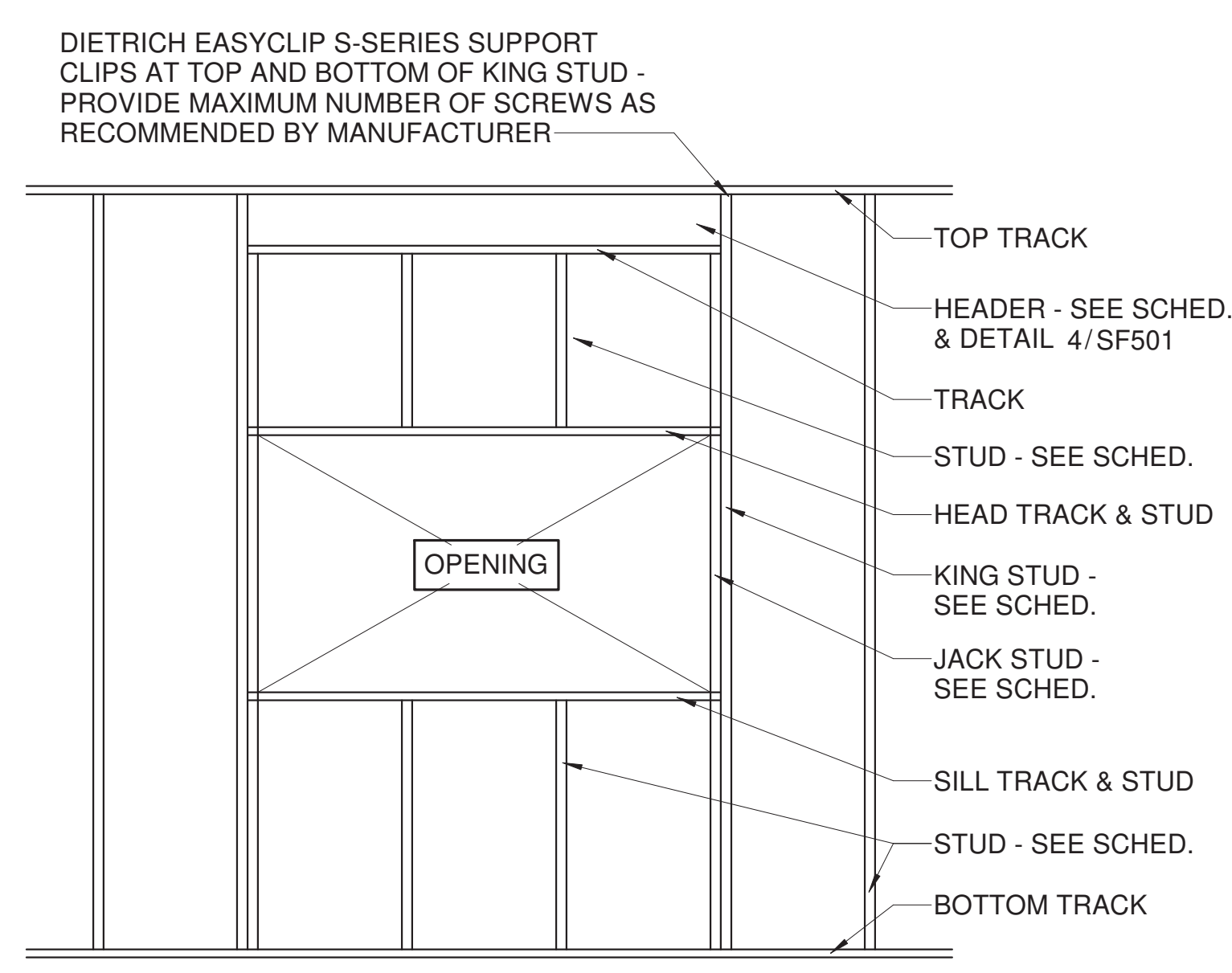


NOTES:
1. OPENING DIMENSION SHALL BE TAKEN TO THE LARGEST DIMENSION IN ANY DIRECTION.
2. FOR OPENING WITH DIMENSION PARALLEL TO STRUCTURAL FRAMING MEMBERS GREATER THAN 4'-0", NOTIFY ENGINEER.

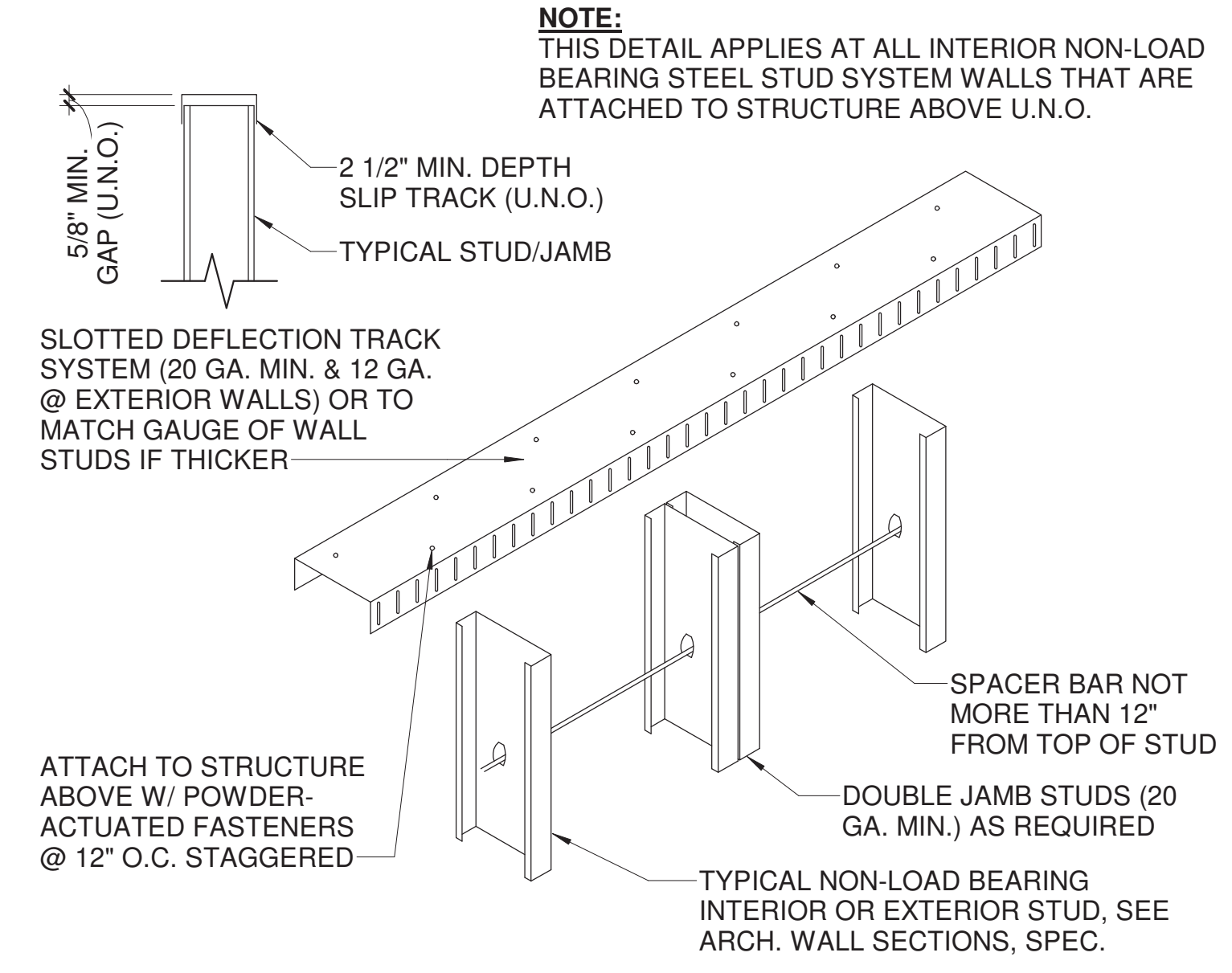
3 TYPICAL FLOOR DECK OPENING
SCALE: NOT TO SCALE



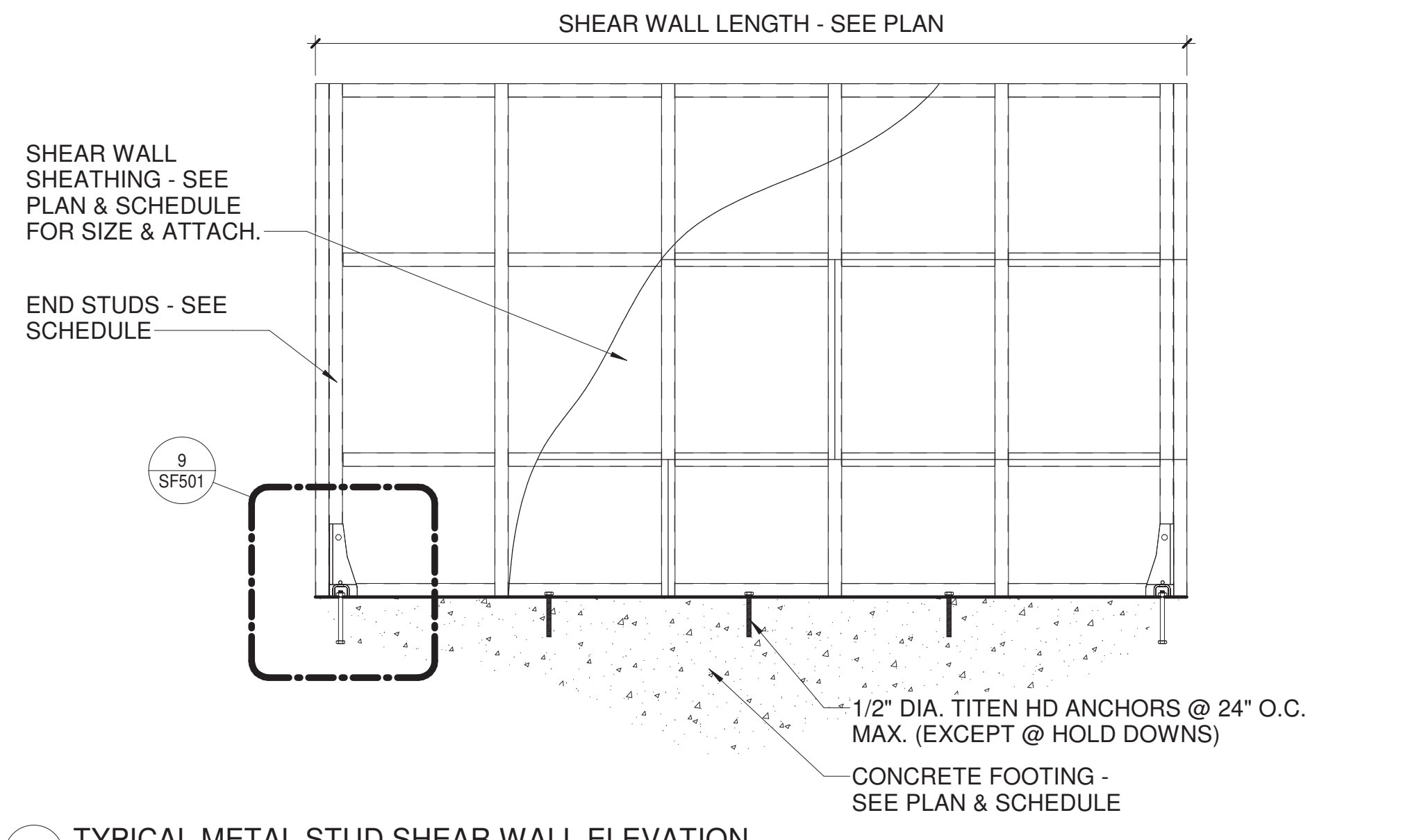
4 TYPICAL BOX BEAM HEADER DETAIL
SCALE: NOT TO SCALE



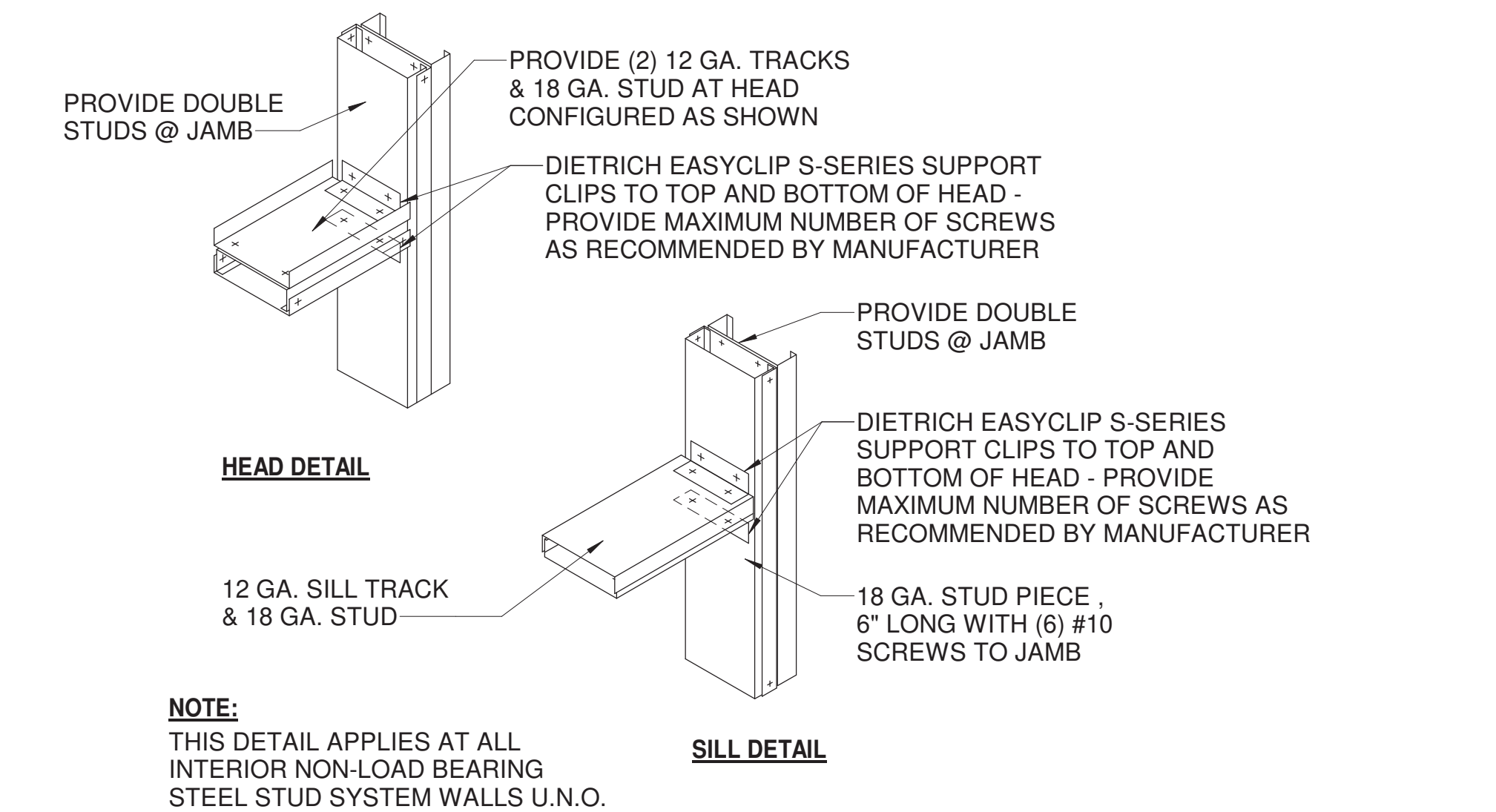
5 TYPICAL METAL STUD WALL OPENING DETAIL
SCALE: NOT TO SCALE



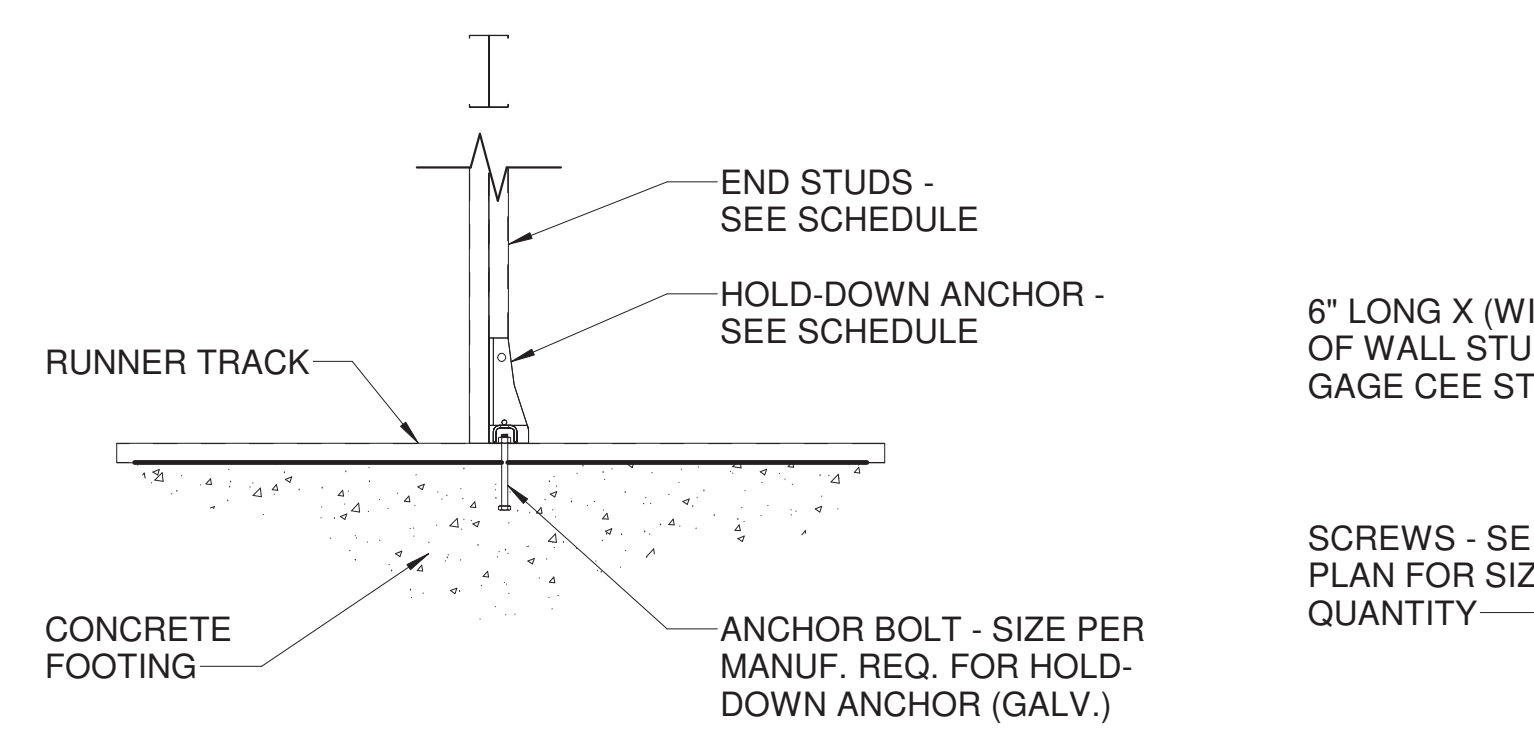
7 TYPICAL DEFLECTION TRACK DETAIL
SCALE: NOT TO SCALE



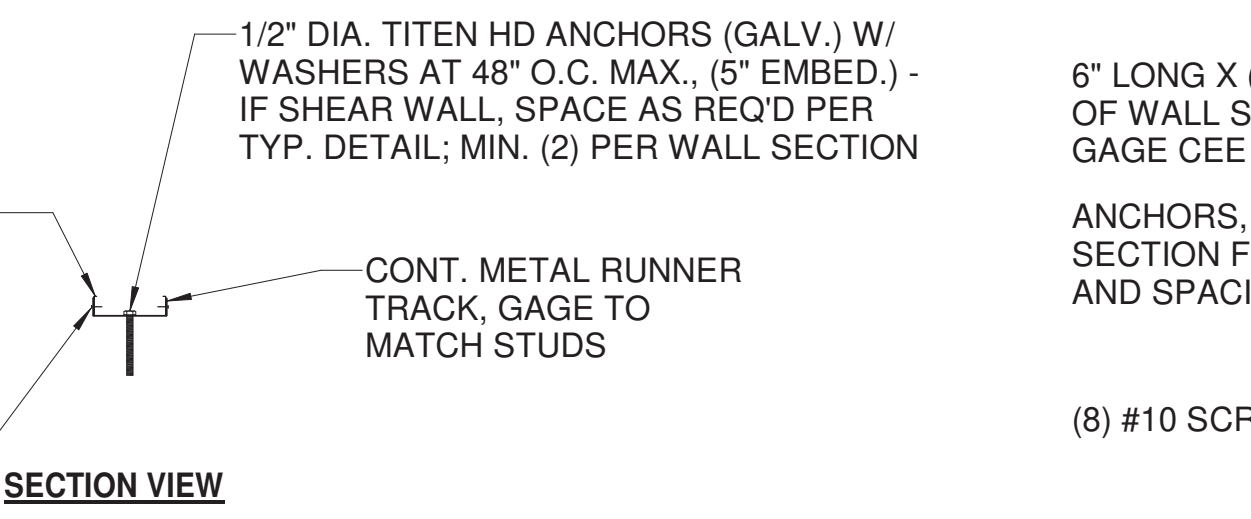
6 TYPICAL METAL STUD SHEAR WALL ELEVATION
SCALE: NOT TO SCALE



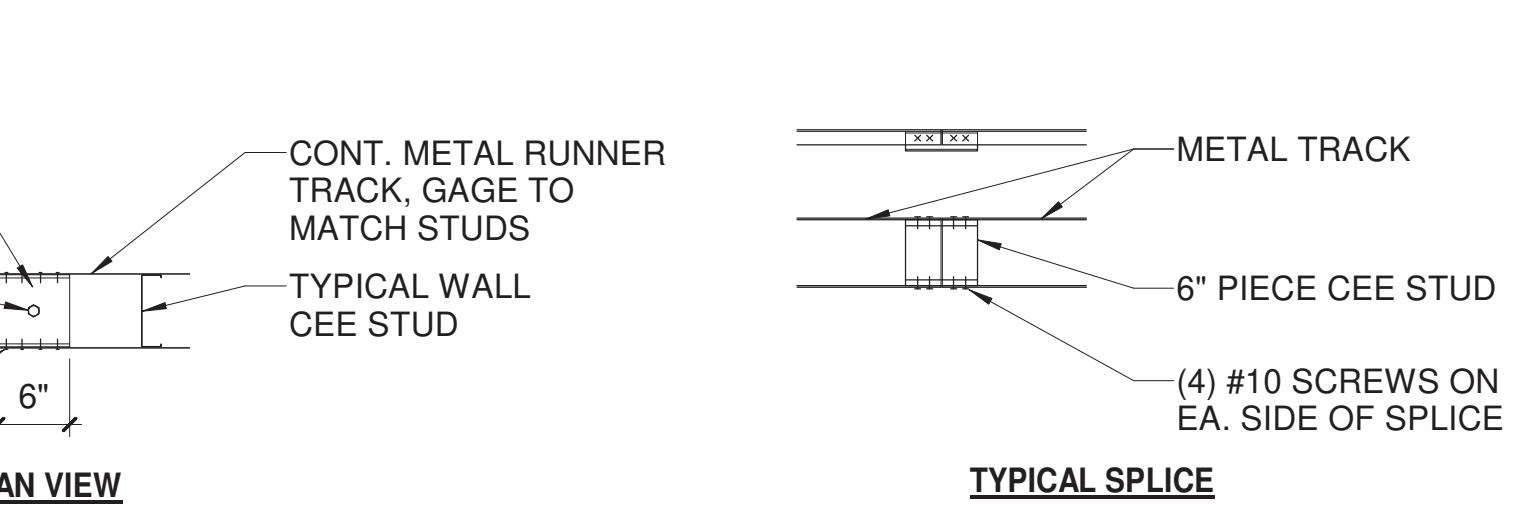
8 TYPICAL NON-LOADBEARING METAL STUD FRAMING
SCALE: NOT TO SCALE



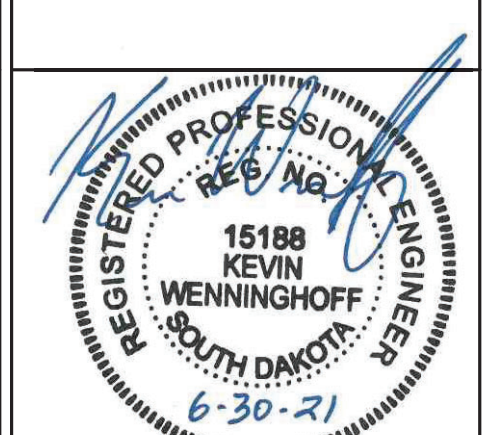
9 TYPICAL METAL STUD SHEAR WALL HOLD DOWN
SCALE: 3/4" = 1'-0"

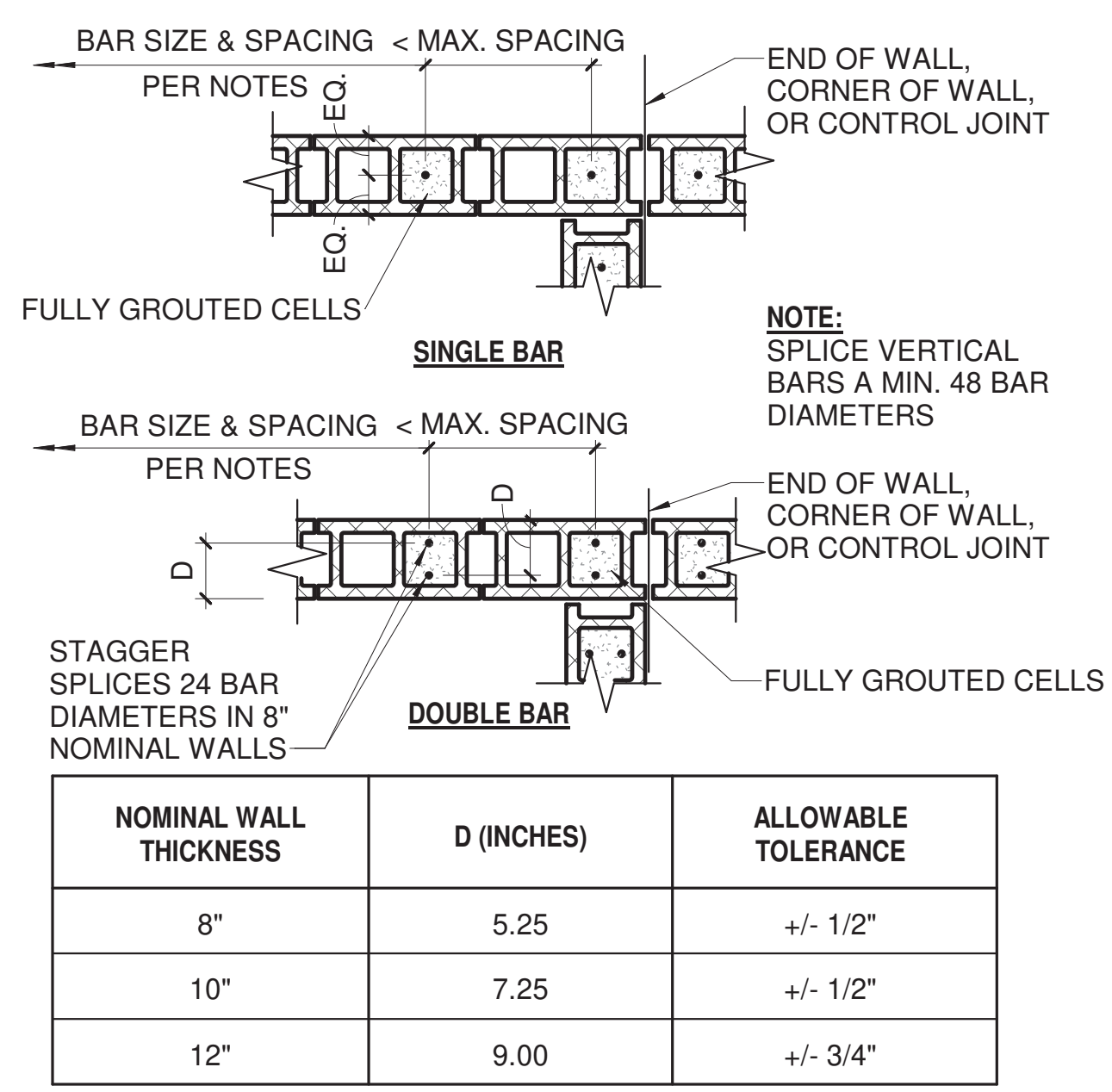


10 TYPICAL TRACK ANCHOR DETAIL
SCALE: 3/4" = 1'-0"

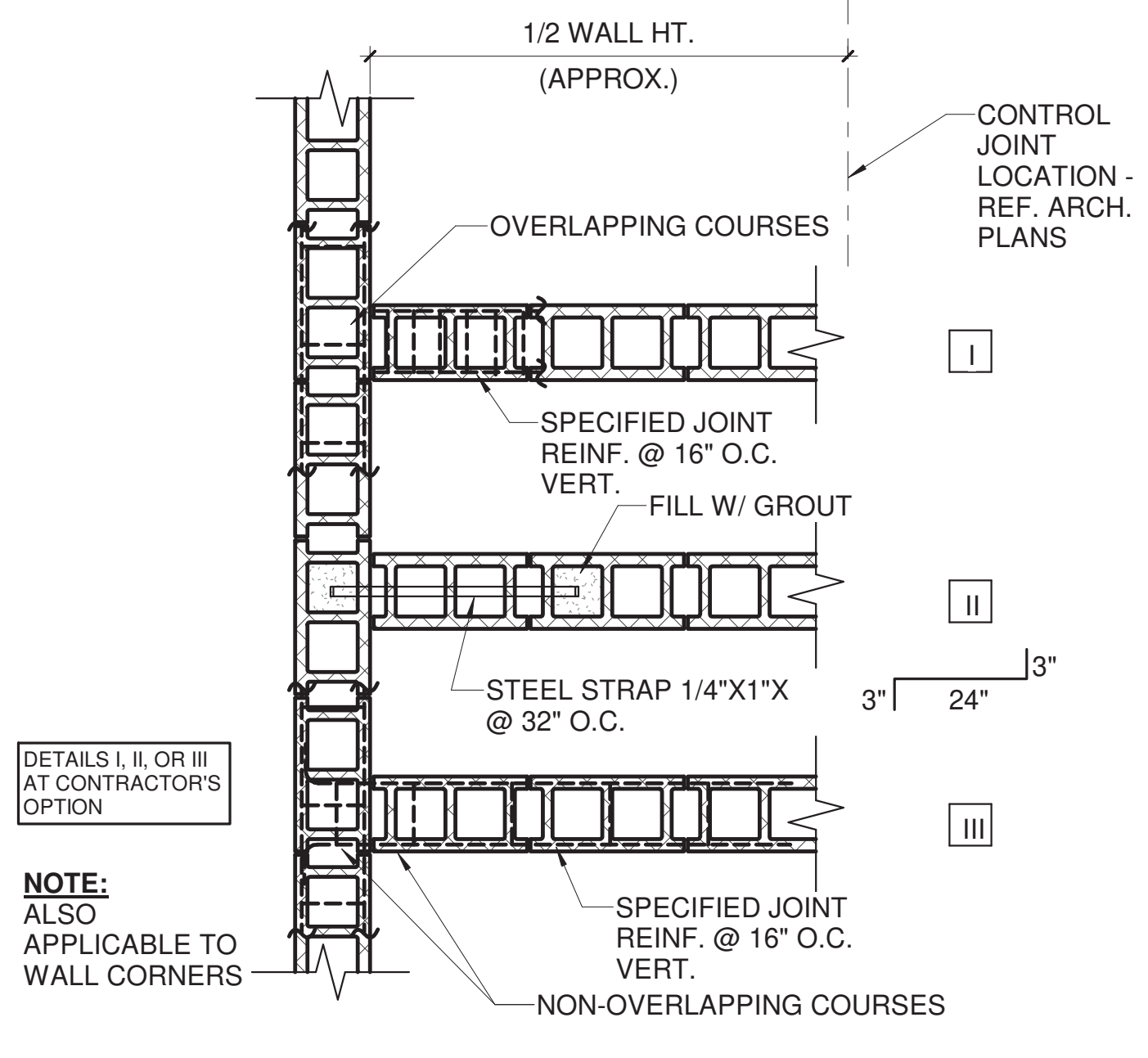


11 METAL TRACK SPLICE DETAIL
SCALE: 3/4" = 1'-0"

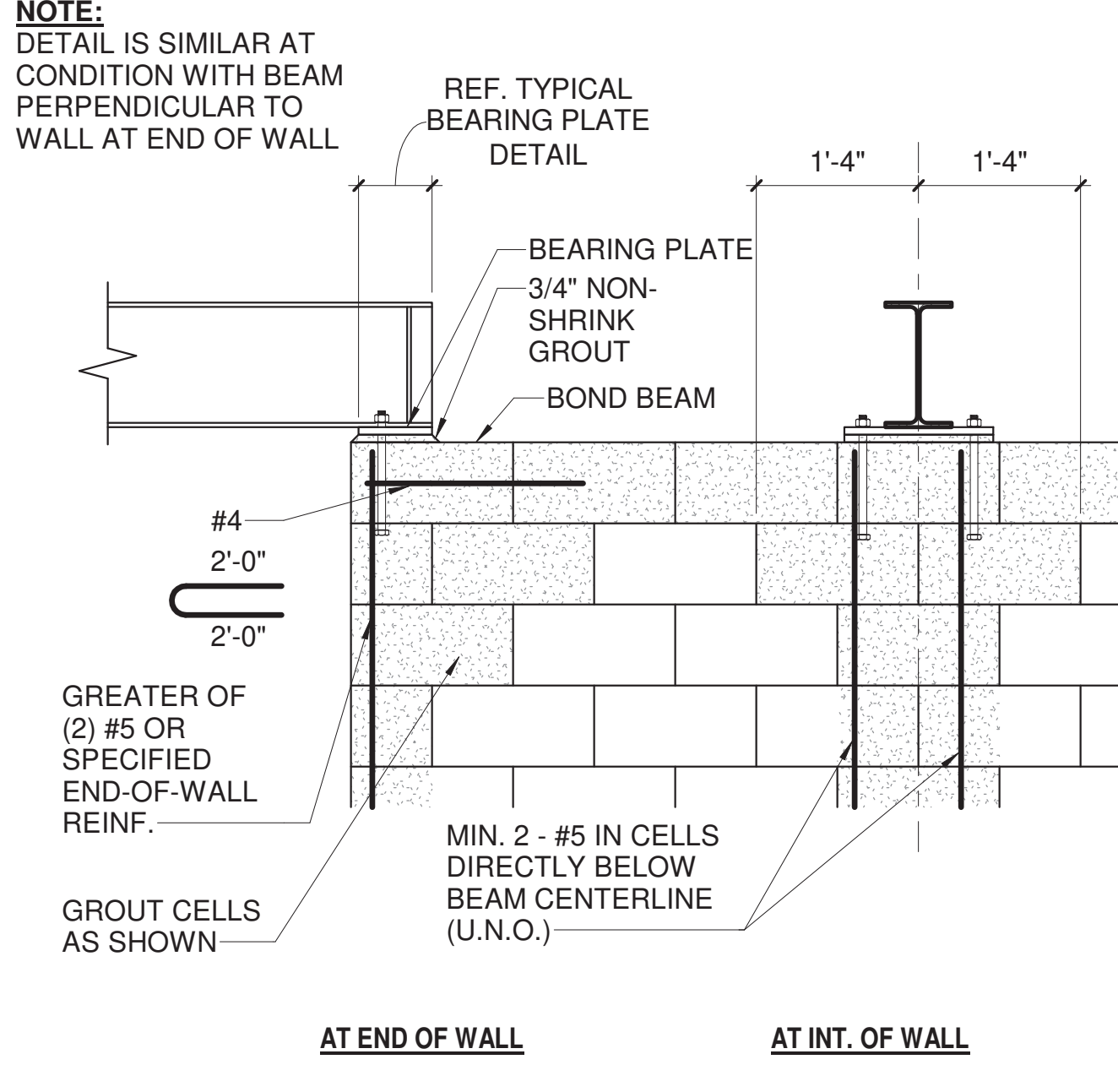
CONSULTANTS: 		ARCHITECT/ENGINEERS:  SCHEMMER <i>Design with Purpose. Build with Confidence.</i> TSA PROJECT NO. 06054.034		Drawing Title TYPICAL FRAMING DETAILS		Project Title CONSTRUCT CLC COTTAGE - HOSPICE		Project Number 438-420	
Revisions: _____ Date _____				Approved: kmw		Location SIoux FALLS, SD		Building Number 54	
				Date 06/30/2021		Checked kmw		Drawing Number SF501	
						Drawn MJN		Dwg. 51 of 90	



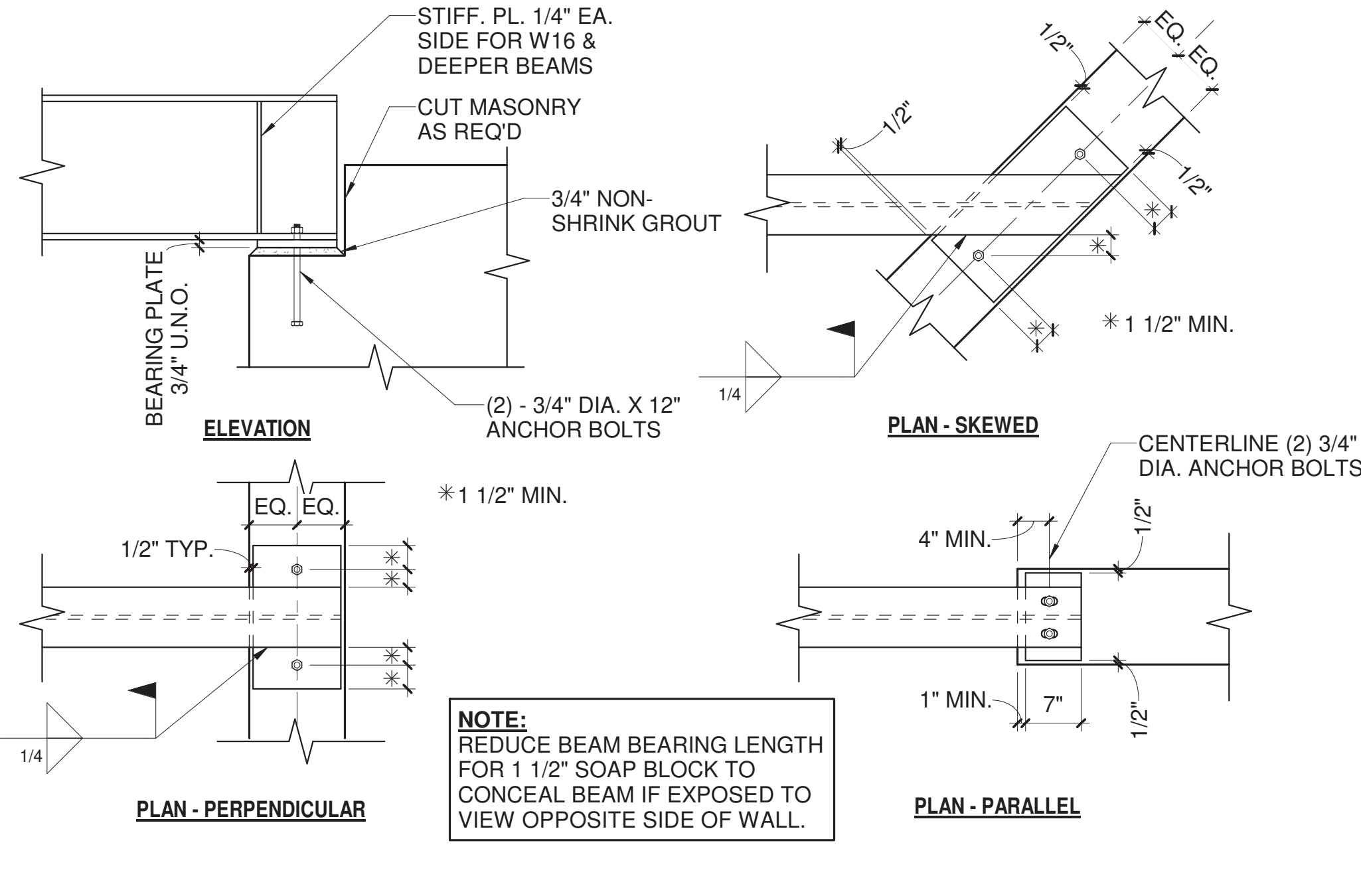
1 TYPICAL CMU WALL END REINFORCING
SCALE: 3/4" = 1'-0"



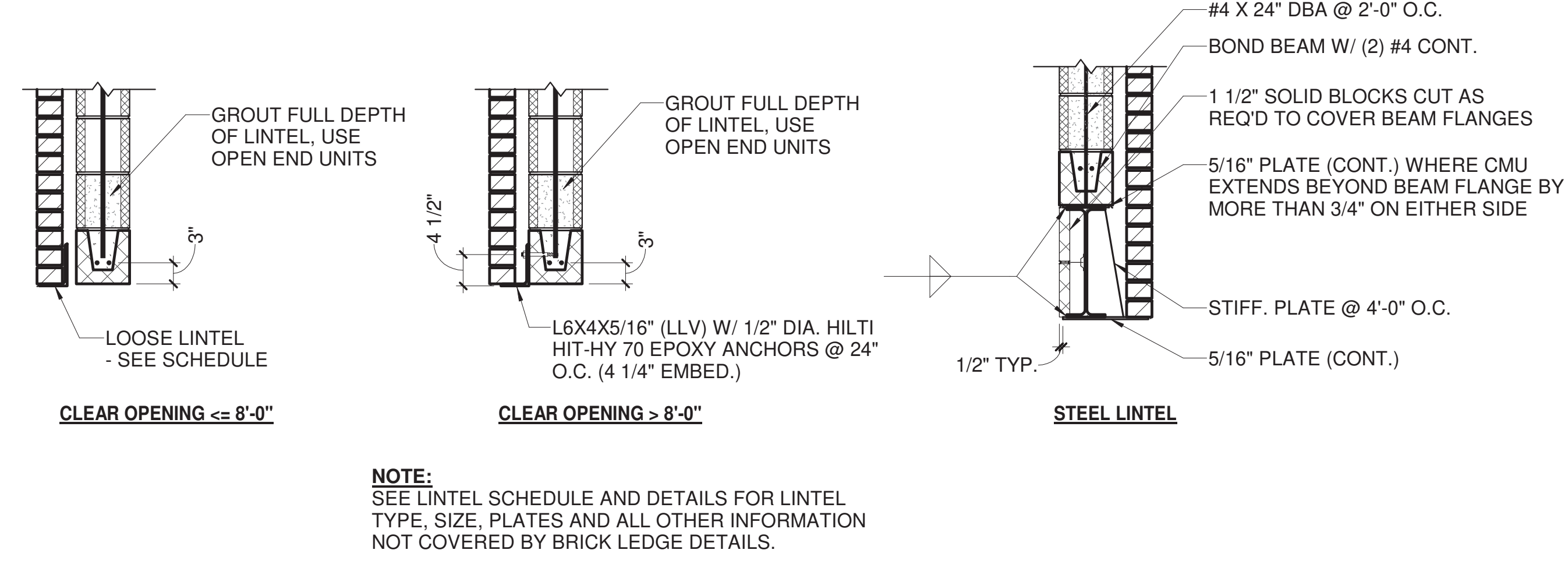
2 TYPICAL CMU WALL INTERSECTION DETAILS
SCALE: 3/4" = 1'-0"



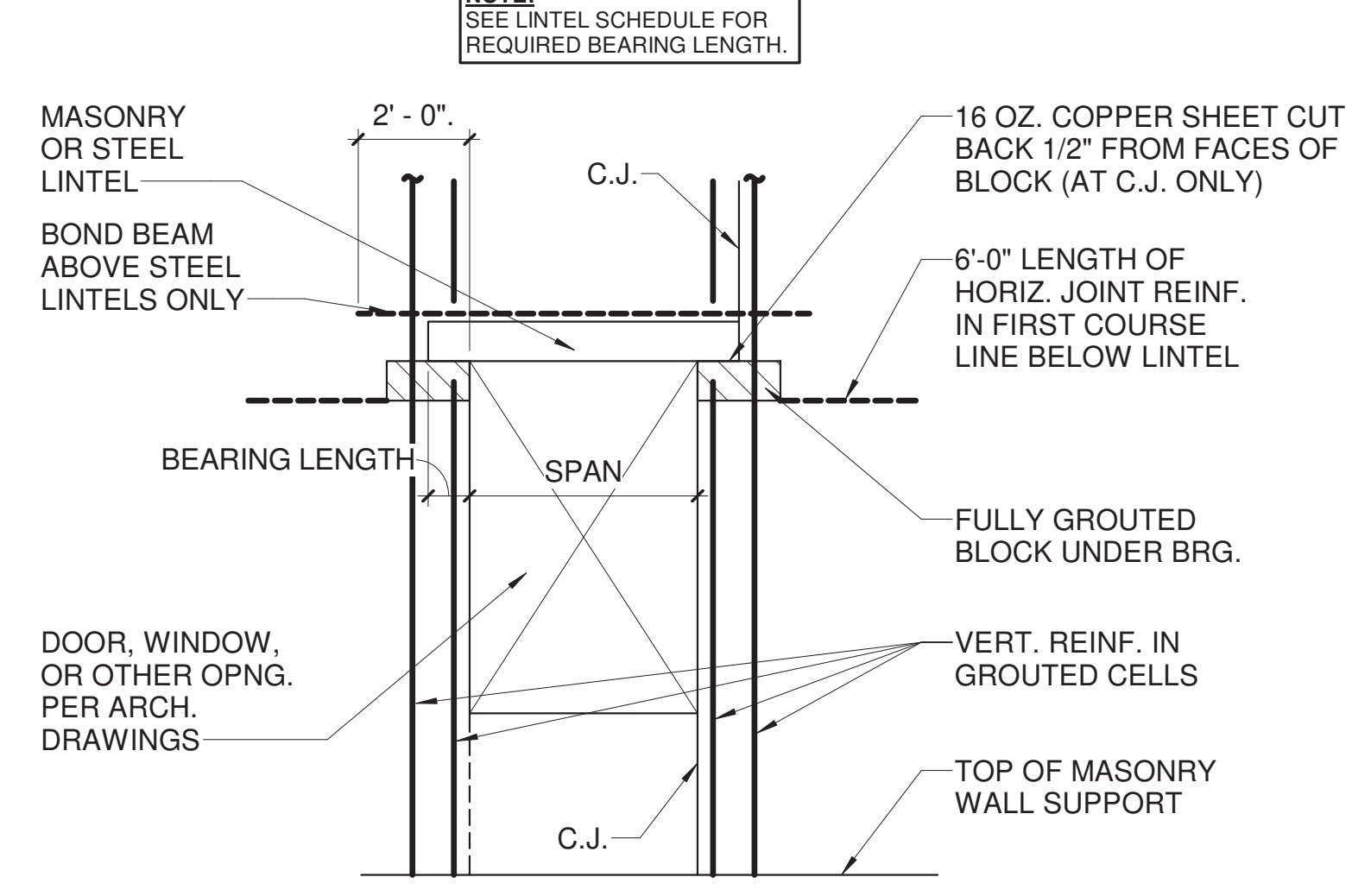
3 TYPICAL CMU WALL REINFORCING AT STEEL BEAM BEARING
SCALE: 3/4" = 1'-0"



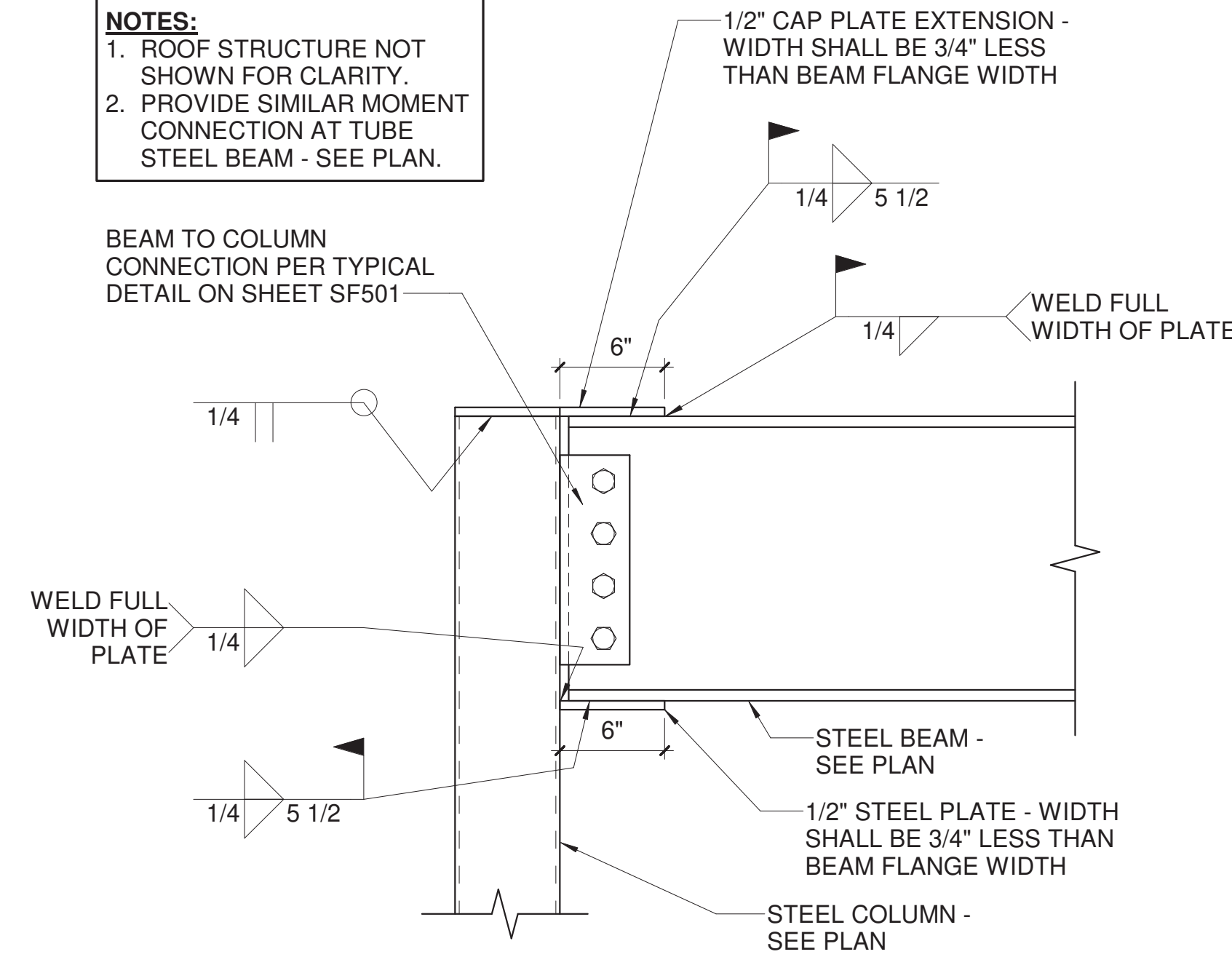
4 TYPICAL BASE PLATE AT STEEL BEAM BEARING ON CMU
SCALE: 3/4" = 1'-0"



5 TYPICAL VENEER SUPPORT AT CMU LINTELS
SCALE: 3/4" = 1'-0"



6 TYPICAL CMU LINTEL ELEVATION
SCALE: 3/4" = 1'-0"

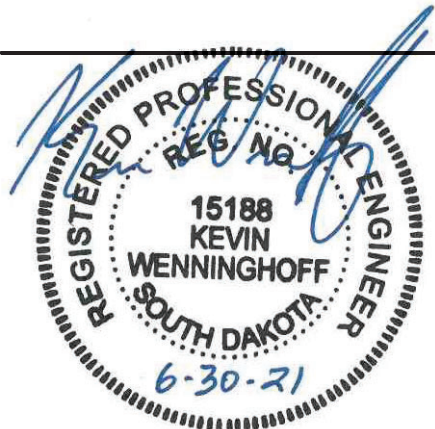


7 MOMENT CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

CONSULTANTS:

ARCHITECT/ENGINEERS:

SCHEMMER
Design with Purpose. Build with Confidence.



Drawing Title
TYPICAL FRAMING DETAILS

Project Title
CONSTRUCT CLC COTTAGE - HOSPICE

Project Number
438-420

Building Number
54

Approved: kmw

Location
SIOUX FALLS, SD

Drawing Number
SF502

Date
06/30/2021

Checked
kmw

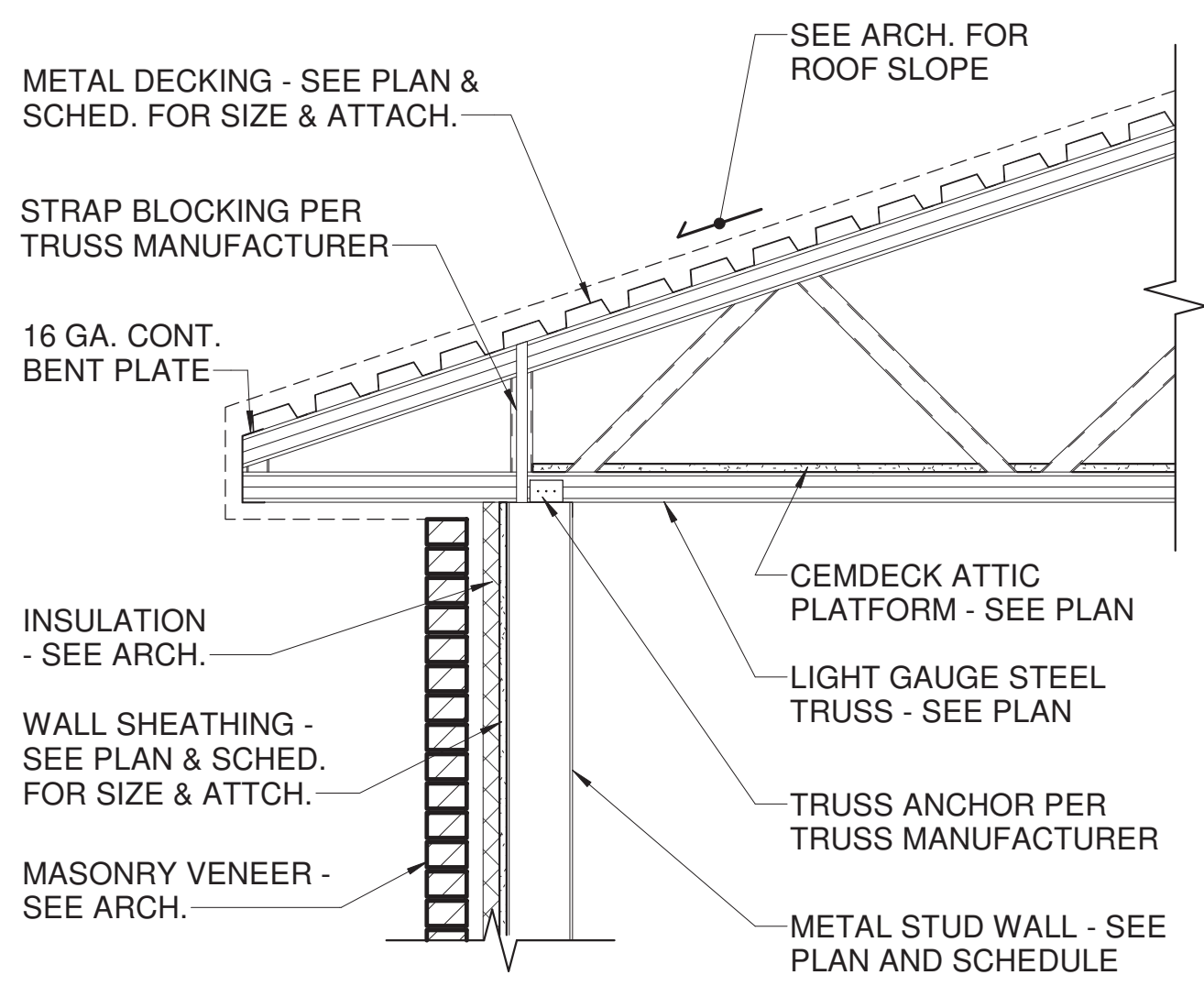
Drawn
mjm

Dwg. 52 of 90

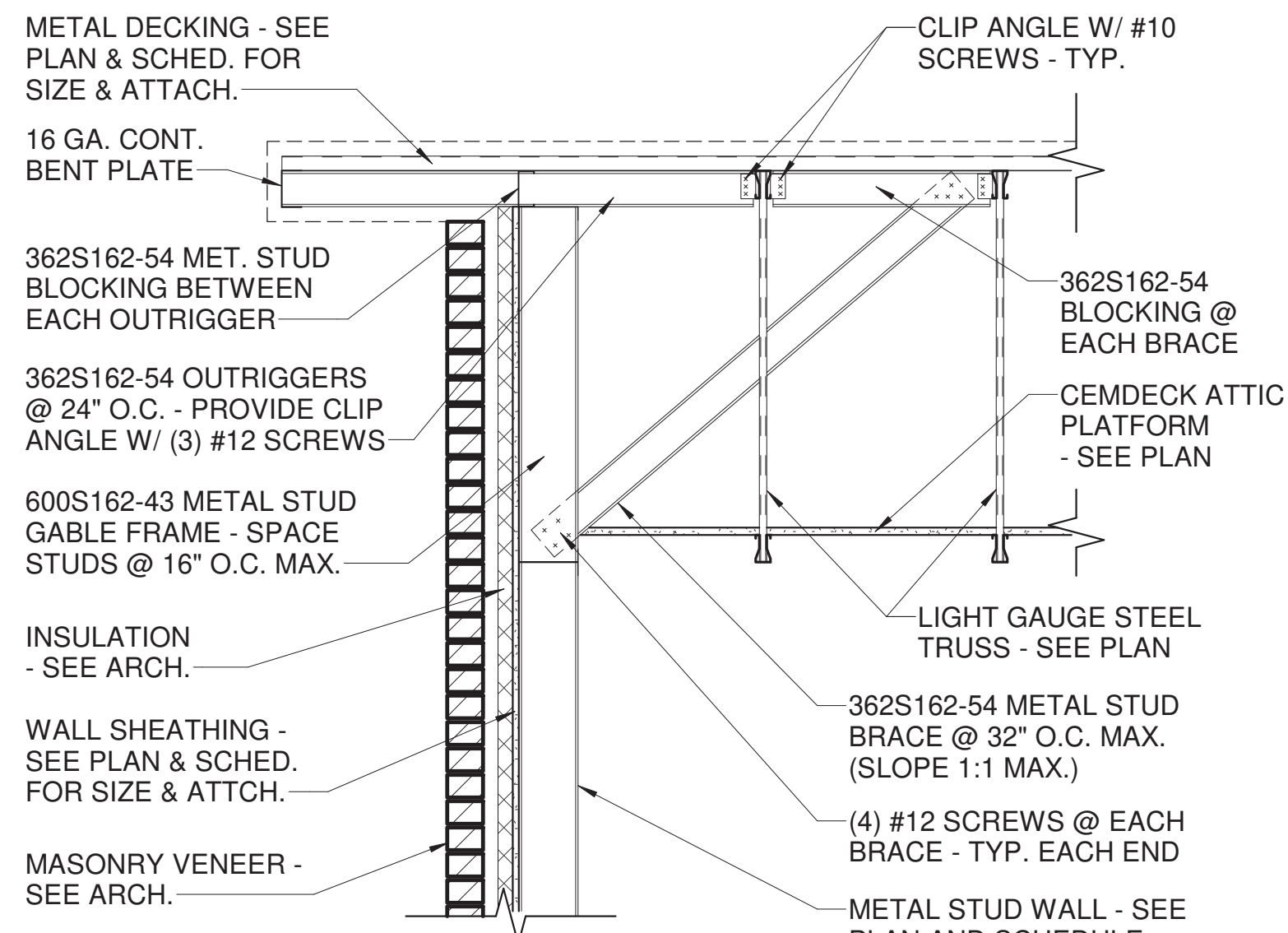
Office of
Construction
and Facilities
Management



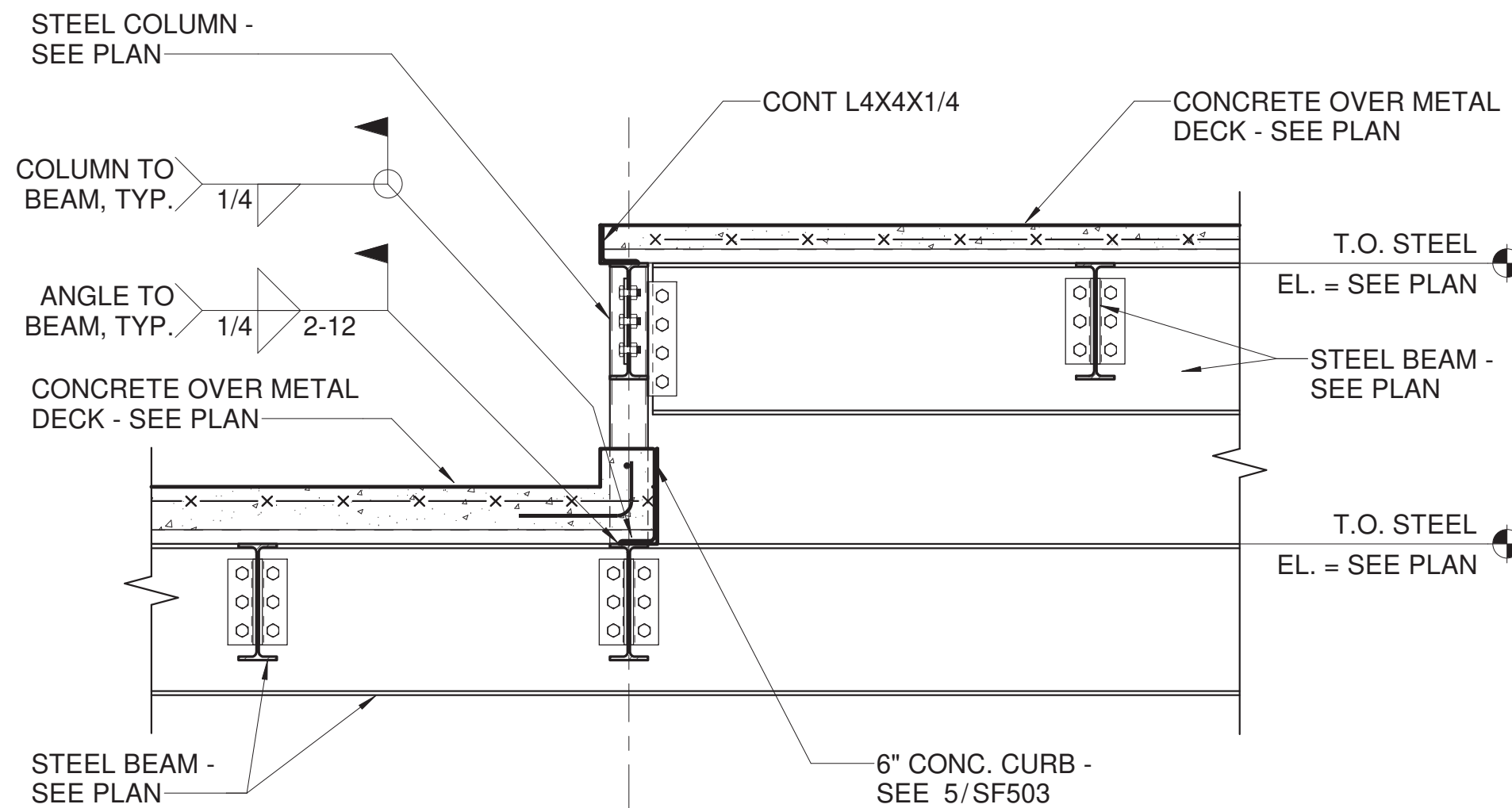
NOTE:
METAL STUDS SHALL BE
ALIGNED DIRECTLY BENEATH
LIGHT GAUGE STEEL TRUSSES.



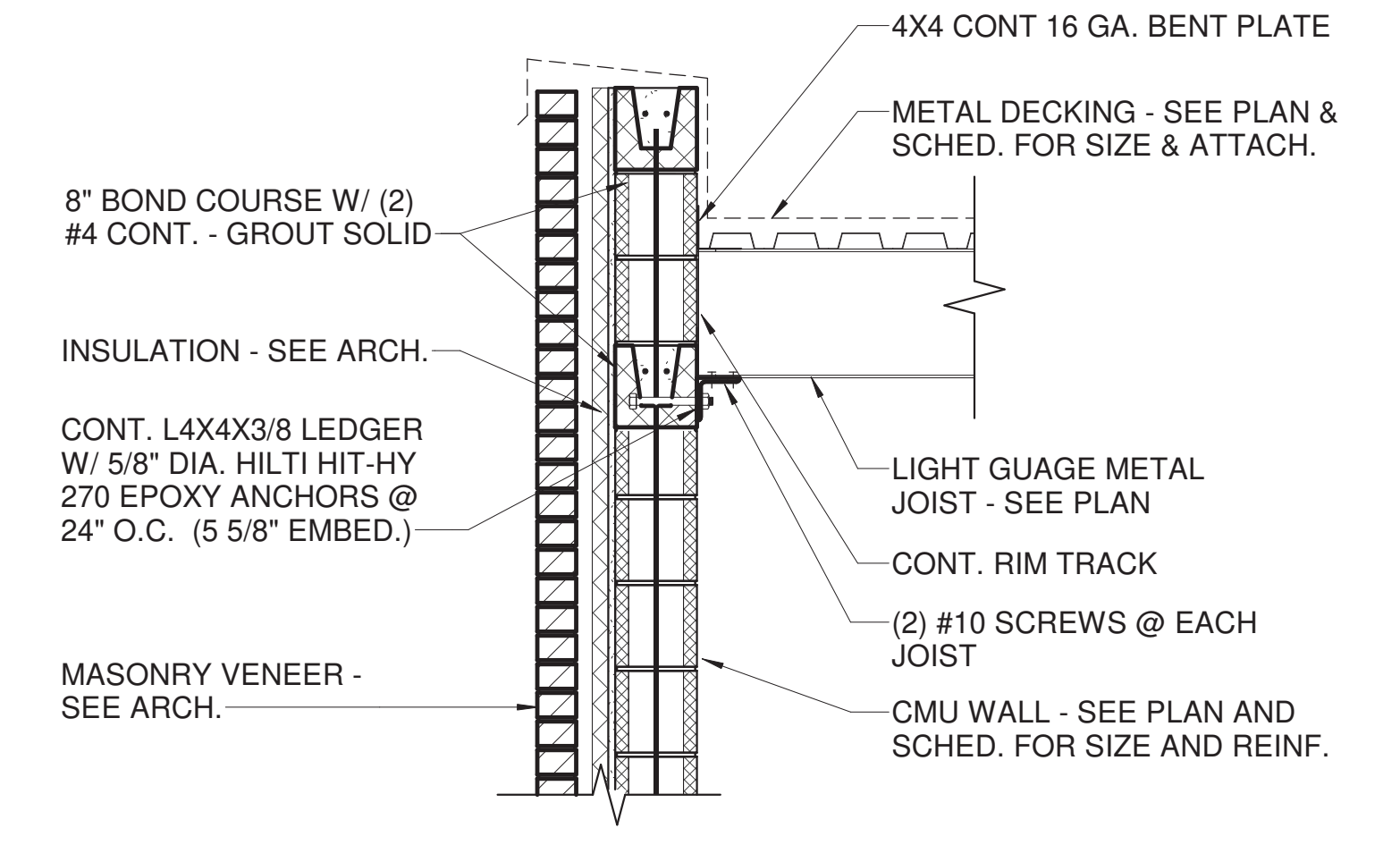
1 LIGHT GAUGE STEEL TRUSS BEARING AT EXTERIOR STUD WALL
SCALE: 3/4" = 1'-0"



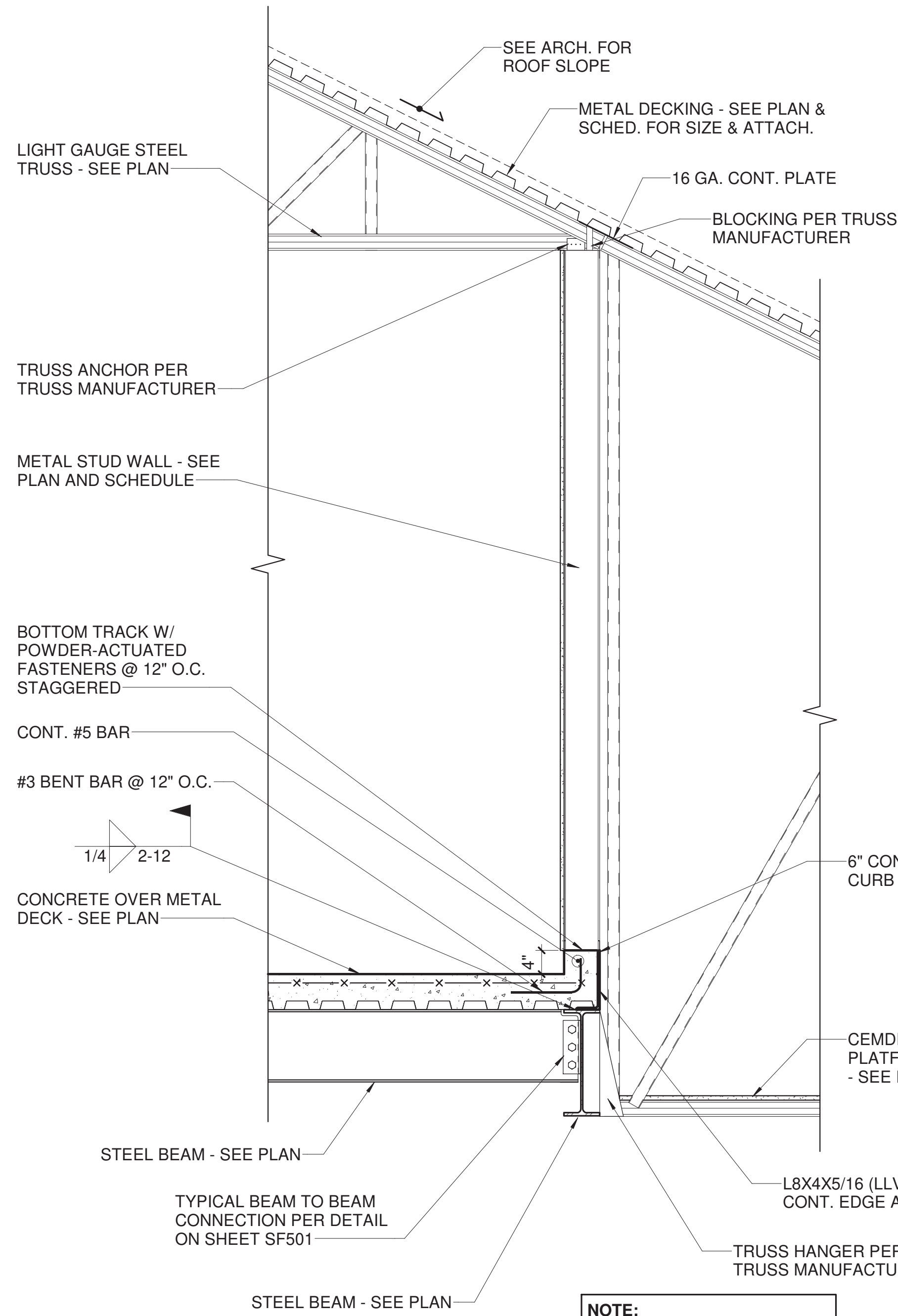
2 GABLE END DETAIL
SCALE: 3/4" = 1'-0"



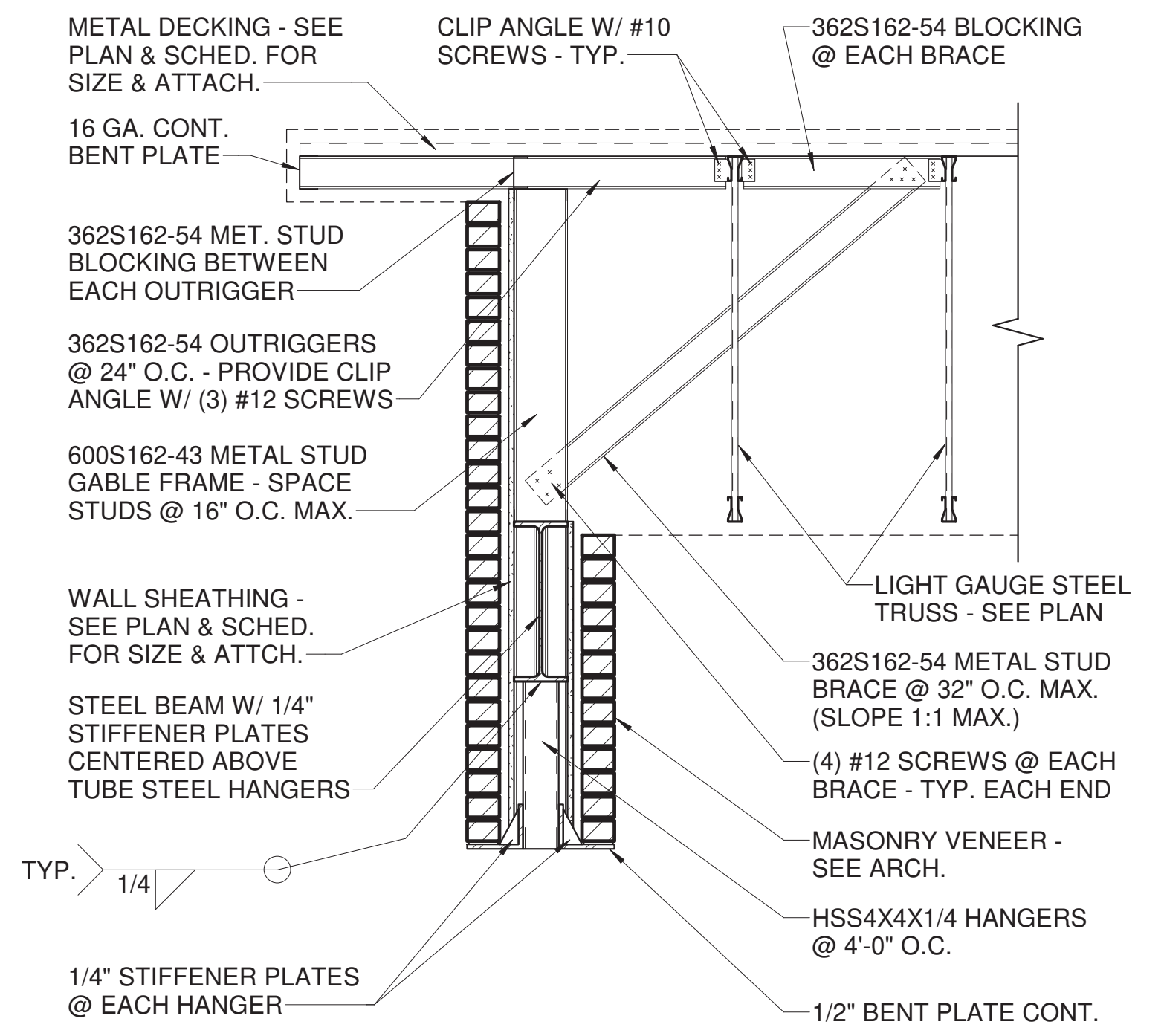
3 STEP IN ATTIC FLOOR SLAB
SCALE: 3/4" = 1'-0"



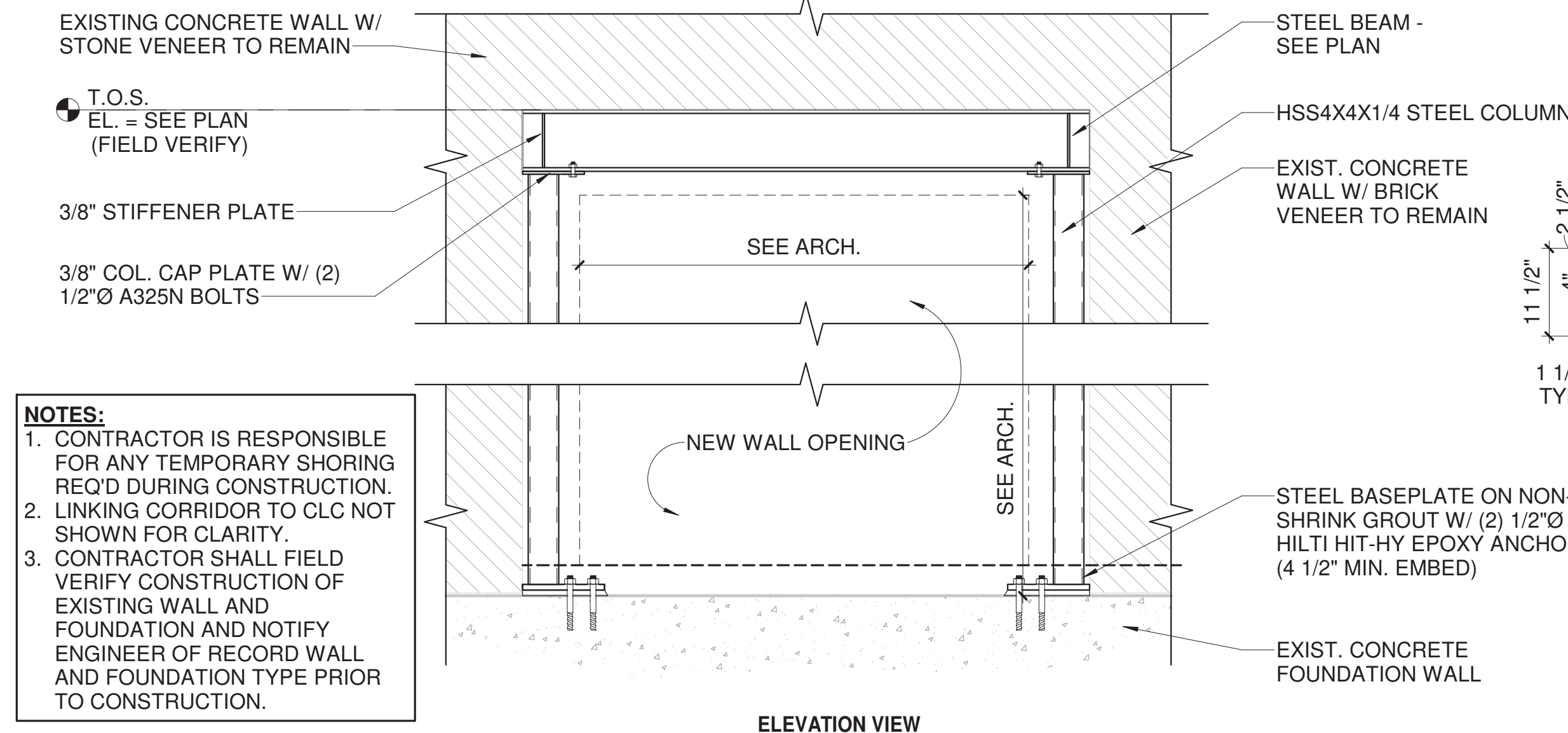
4 LIGHT GAUGE STEEL JOIST BEARING AT CMU WALL
SCALE: 3/4" = 1'-0"



5 ATTIC FLOOR DETAIL
SCALE: 3/4" = 1'-0"

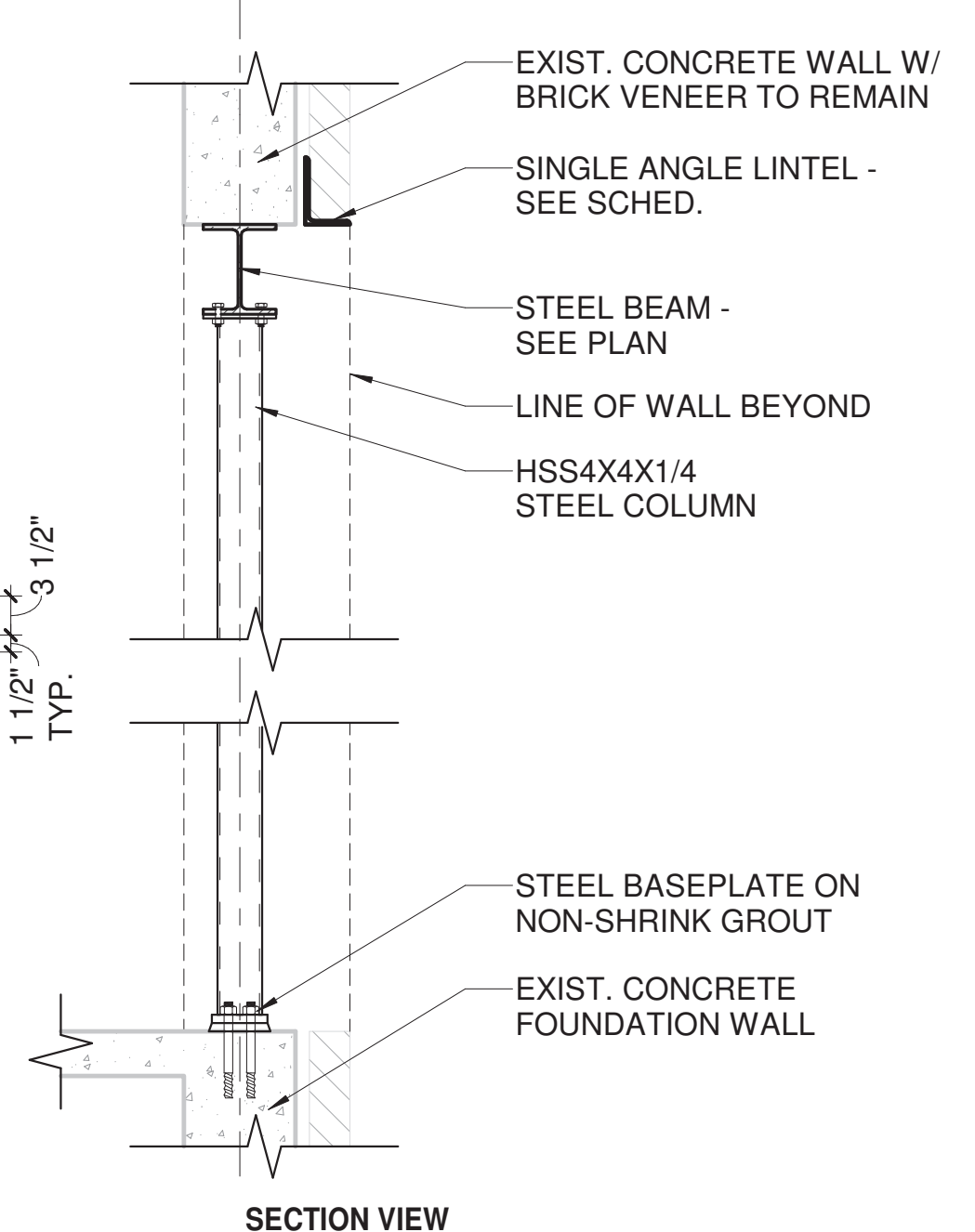


6 GABLE END DETAIL
SCALE: 3/4" = 1'-0"

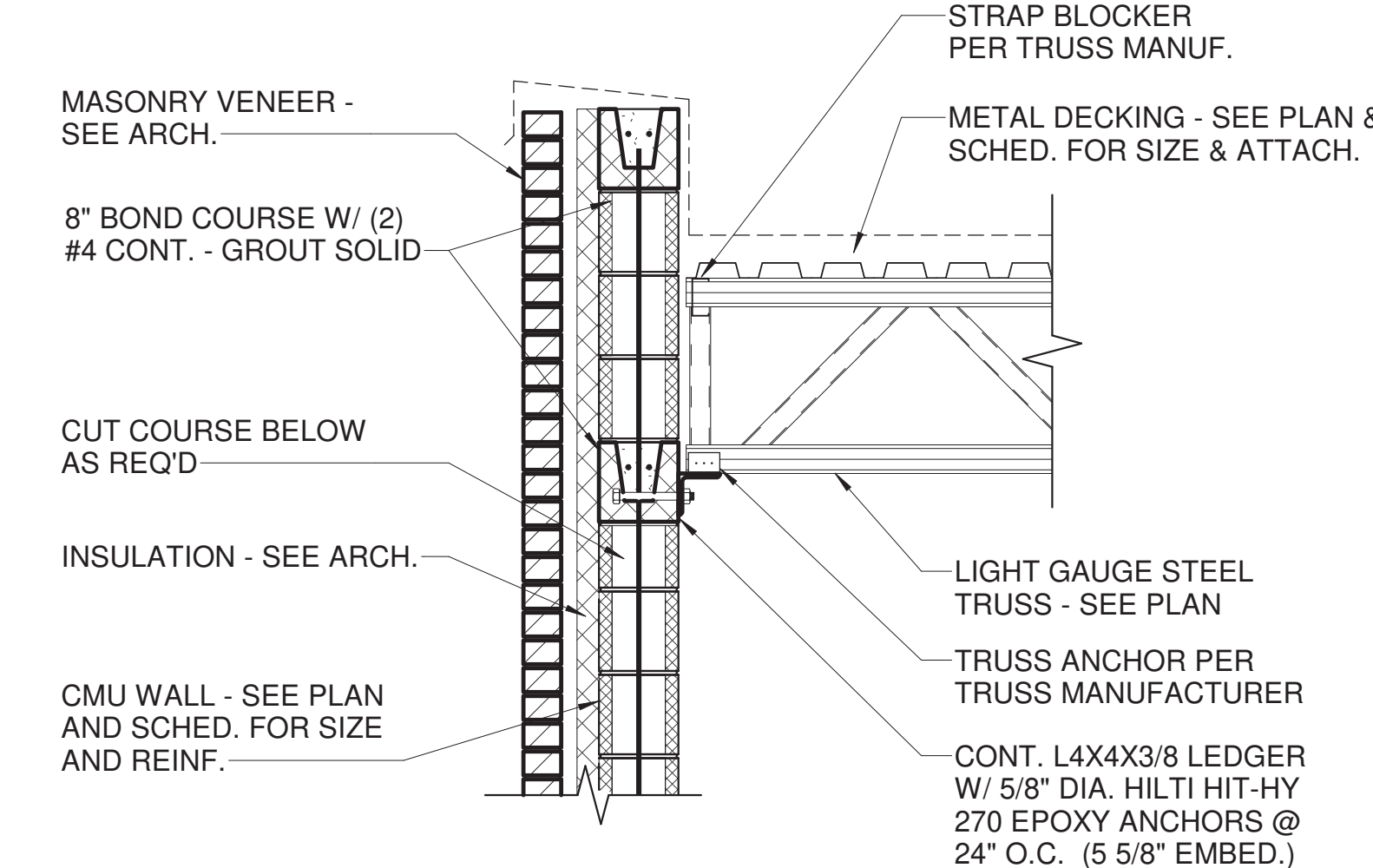


NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY SHORING REQ'D DURING CONSTRUCTION.
2. LINKING CORRIDOR TO CLC NOT SHOWN FOR CLARITY.
3. CONTRACTOR SHALL FIELD VERIFY CONSTRUCTION OF EXISTING WALL AND FOUNDATION AND NOTIFY ENGINEER OF RECORD WALL AND FOUNDATION TYPE PRIOR TO CONSTRUCTION.

7 STEEL FRAMING AT NEW OPENING IN EXISTING WALL
SCALE: 3/4" = 1'-0"



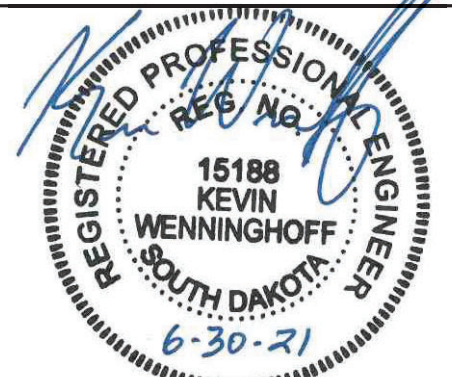
SECTION VIEW



8 LIGHT GAUGE STEEL TRUSS BEARING AT CMU WALL
SCALE: 3/4" = 1'-0"

CONSULTANTS:

ARCHITECT/ENGINEERS:



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Drawing Title
FRAMING DETAILS

Project Title
CONSTRUCT CLC COTTAGE
- HOSPICE

Project Number
438-420

Building Number
54

Office of
Construction
and Facilities
Management

Approved: kmw

Location
SIOUX FALLS, SD

Drawing Number
SF503

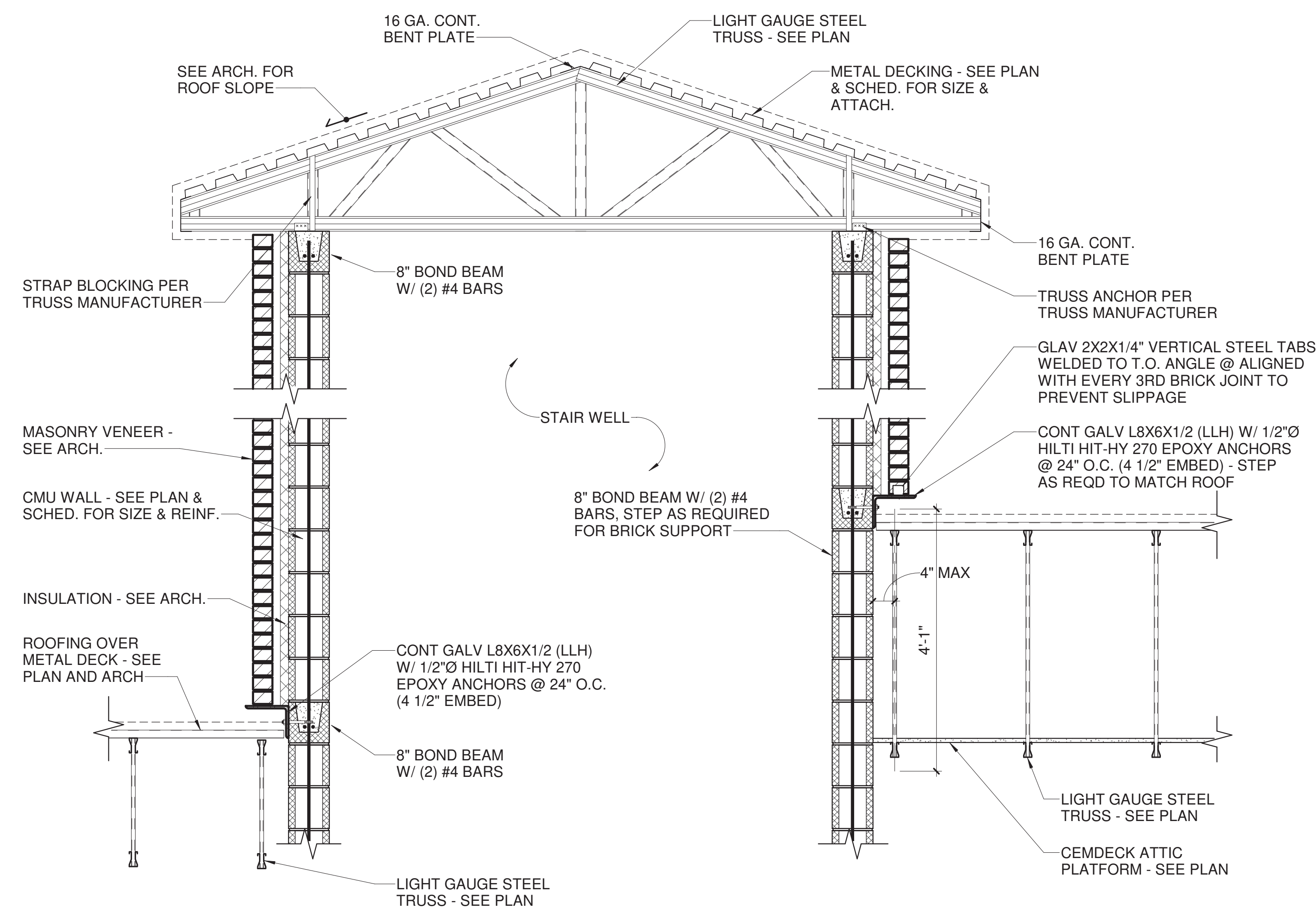
Date
06/30/2021

Checked
kmw

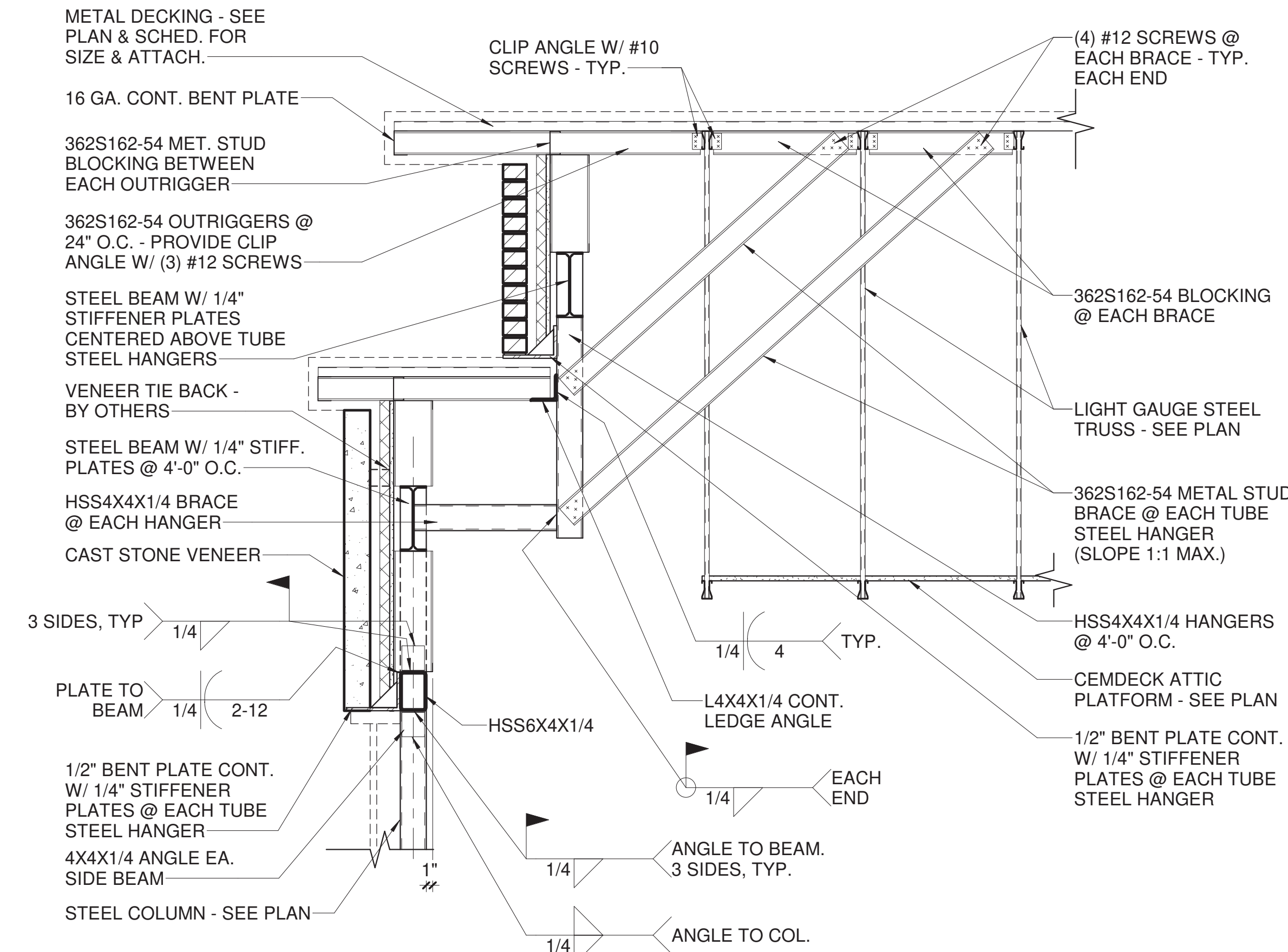
Drawn
mjm

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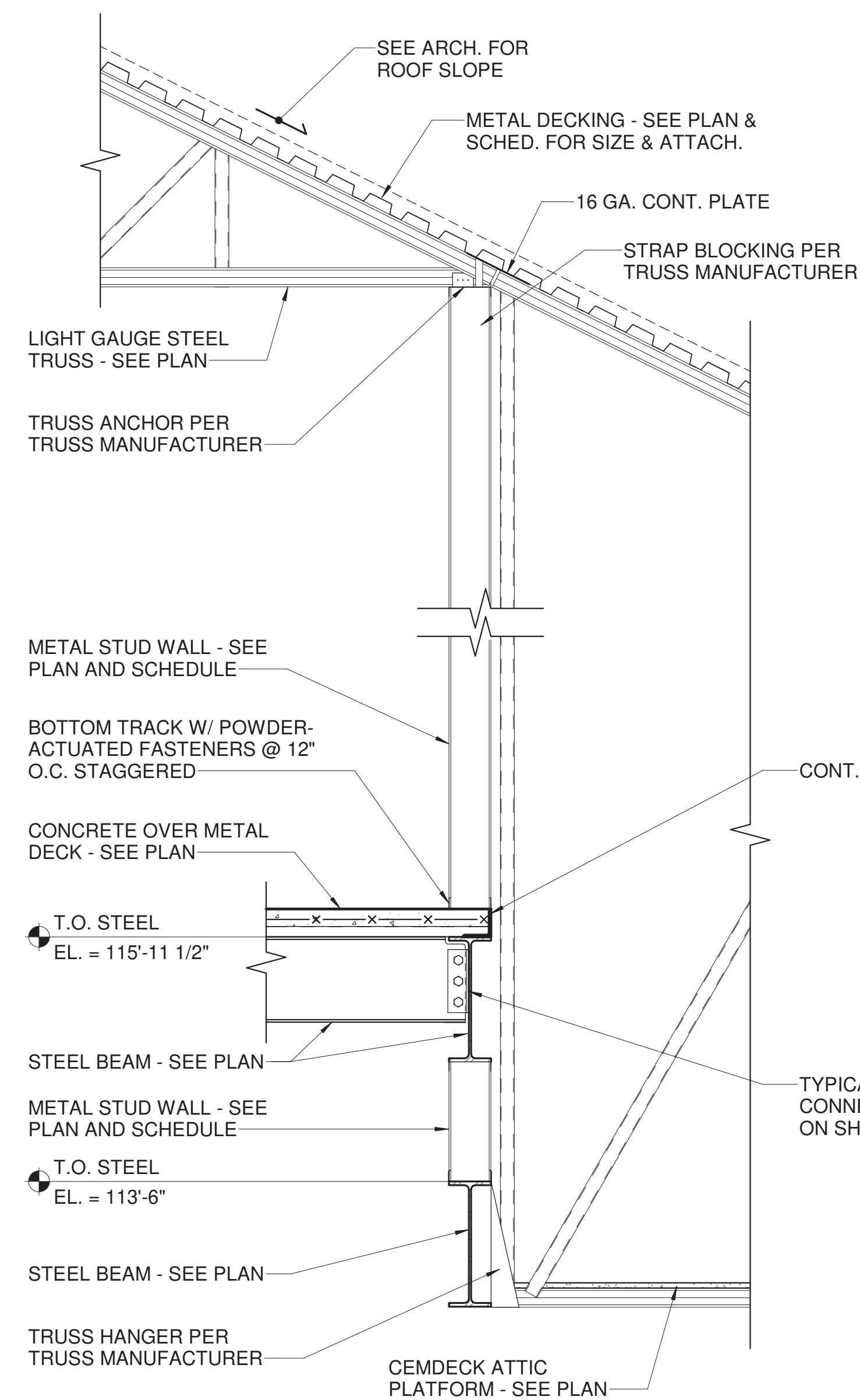
Department of
Veterans Affairs



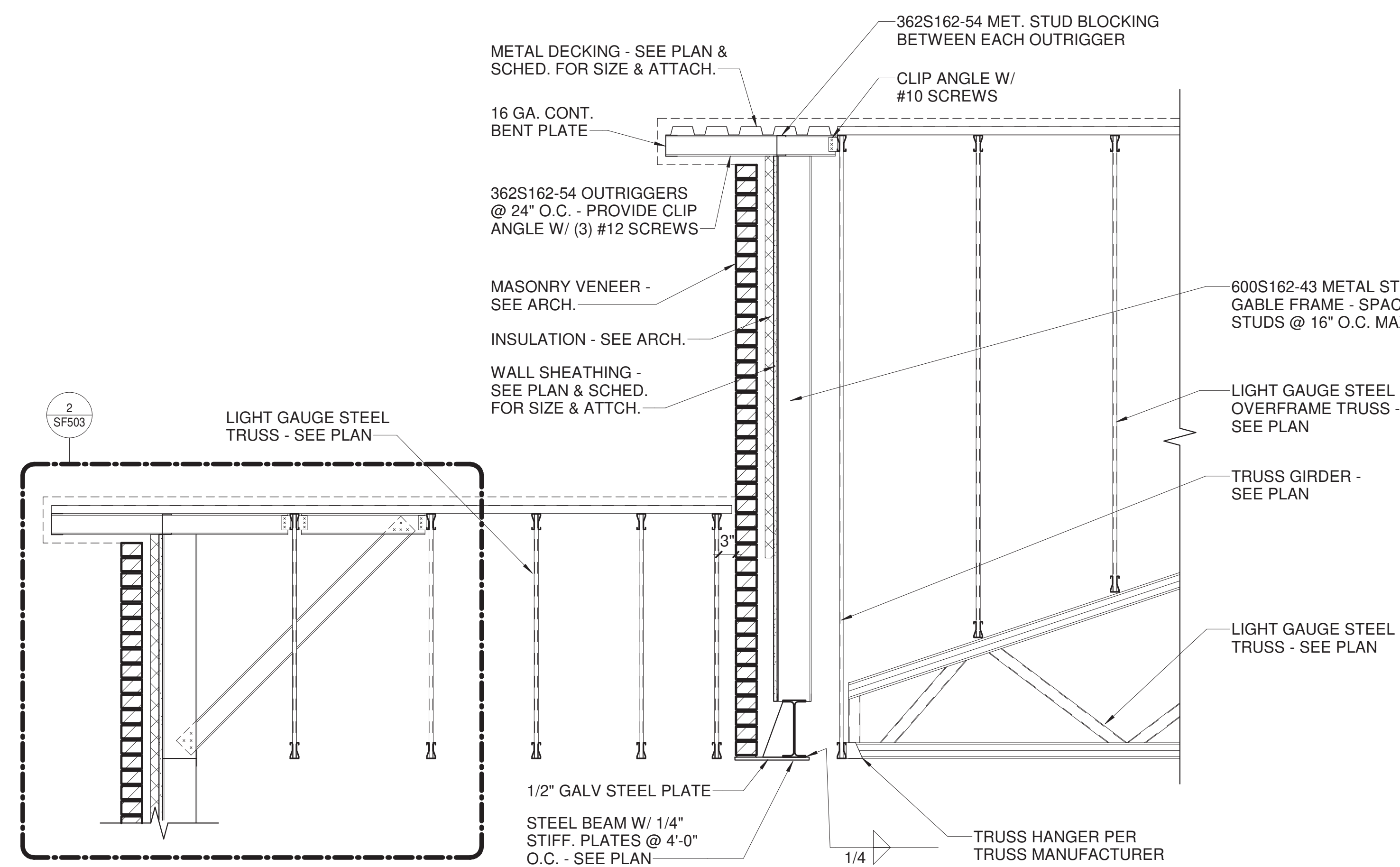
1 ROOF FRAMING DETAIL @ STAIR
 SCALE: 3/4" = 1'-0"



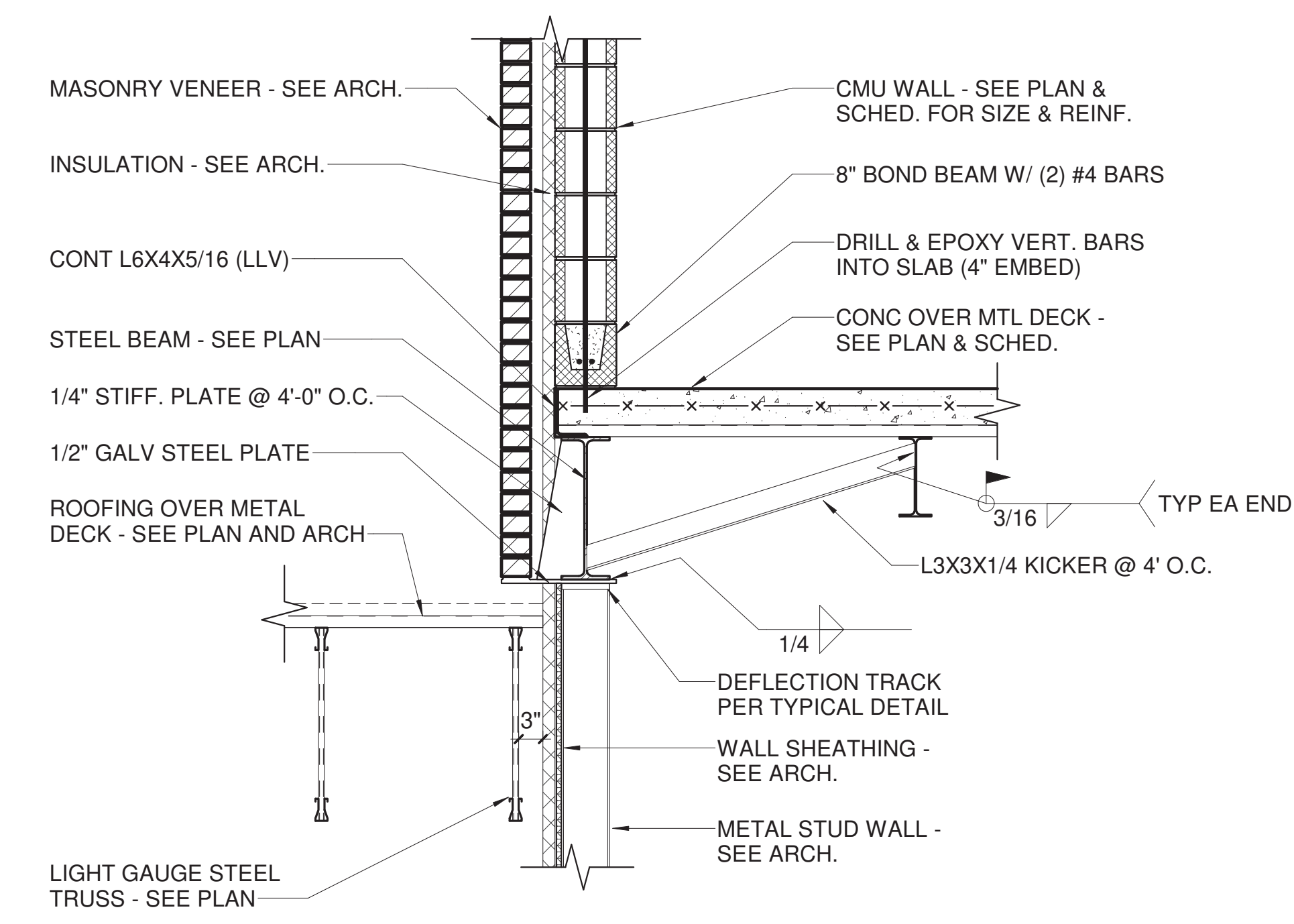
2 GABLE END DETAIL
 SCALE: 3/4" = 1'-0"



4 ROOF FRAMING DETAIL
 SCALE: 3/4" = 1'-0"



3 GABLE END DETAIL
 SCALE: 3/4" = 1'-0"



5 BRICK VENEER SUPPORT AT STAIR LANDING
 SCALE: 3/4" = 1'-0"

CONSULTANTS:

ARCHITECT/ENGINEERS:

SCHEMMER

Design with Purpose. Build with Confidence.

TSA PROJECT NO. 06054.034

Drawing Title
 FRAMING DETAILS

Approved: kmw

Project Title
 CONSTRUCT CLC COTTAGE - HOSPICE

Location
 SIOUX FALLS, SD

Date
 06/30/2021

Checked
 kmw

Drawn
 MJN

Project Number
 438-420

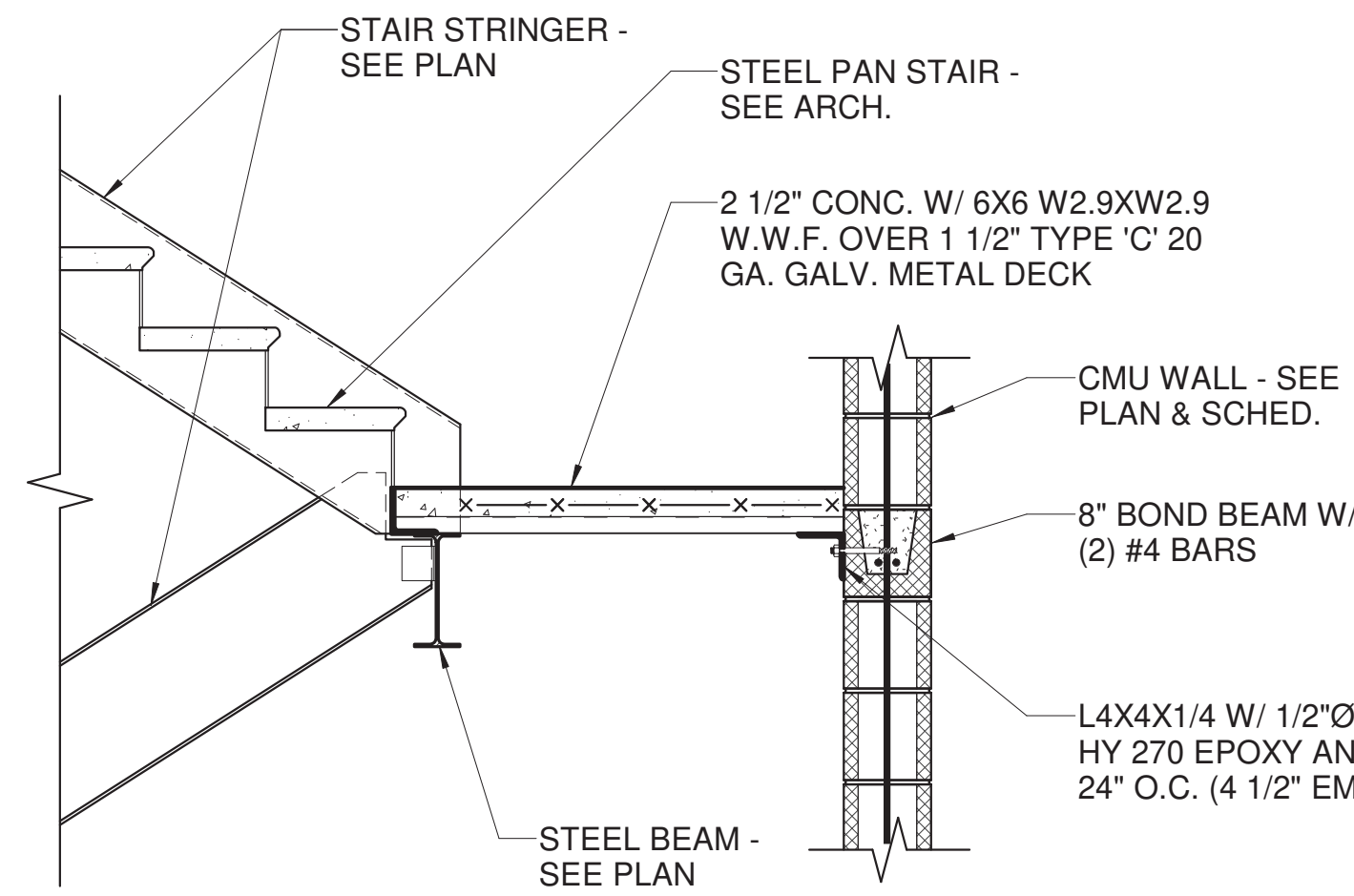
Building Number
 54

Drawing Number
 SF504

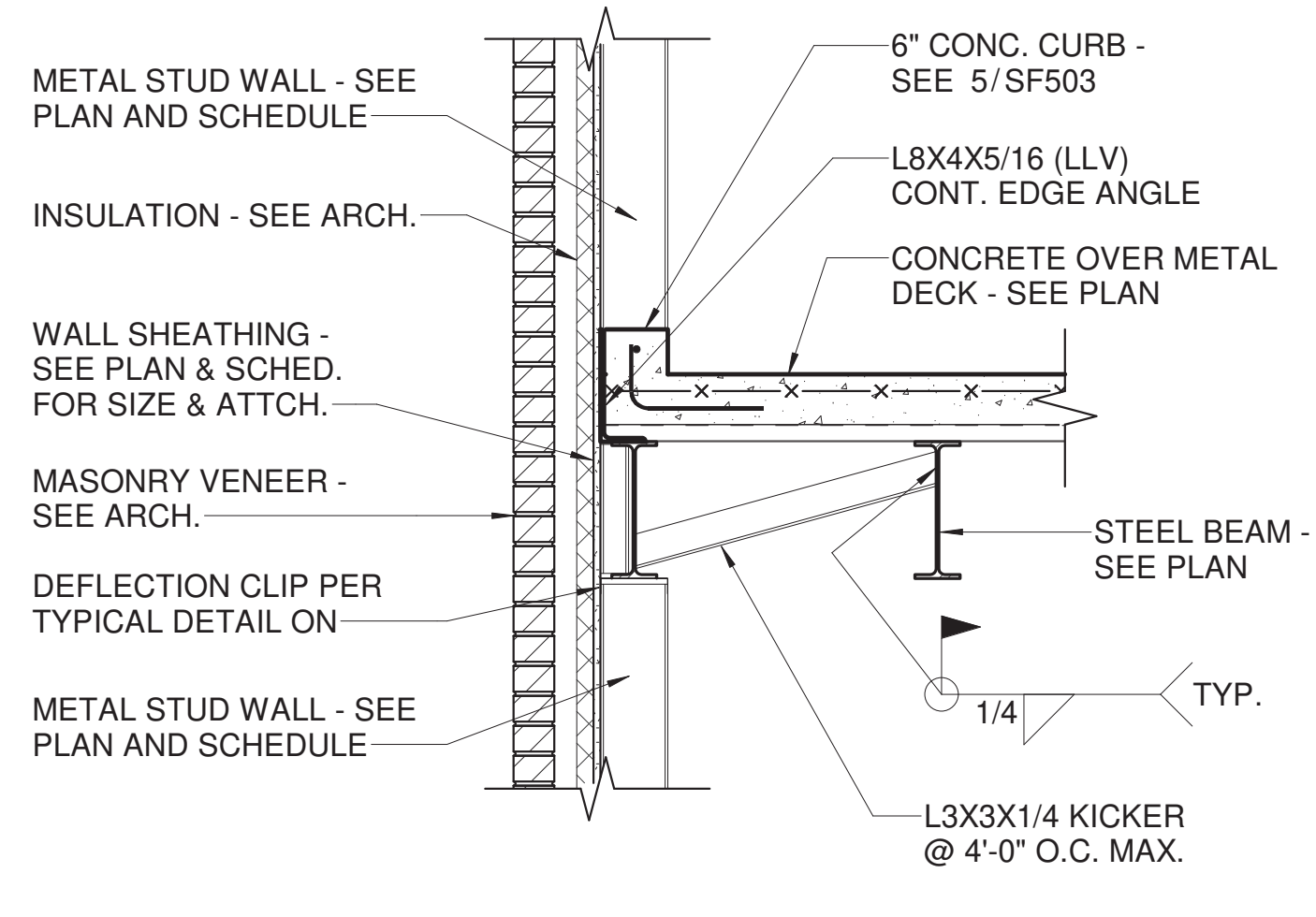
Dwg. 54 of 90

Office of Construction and Facilities Management

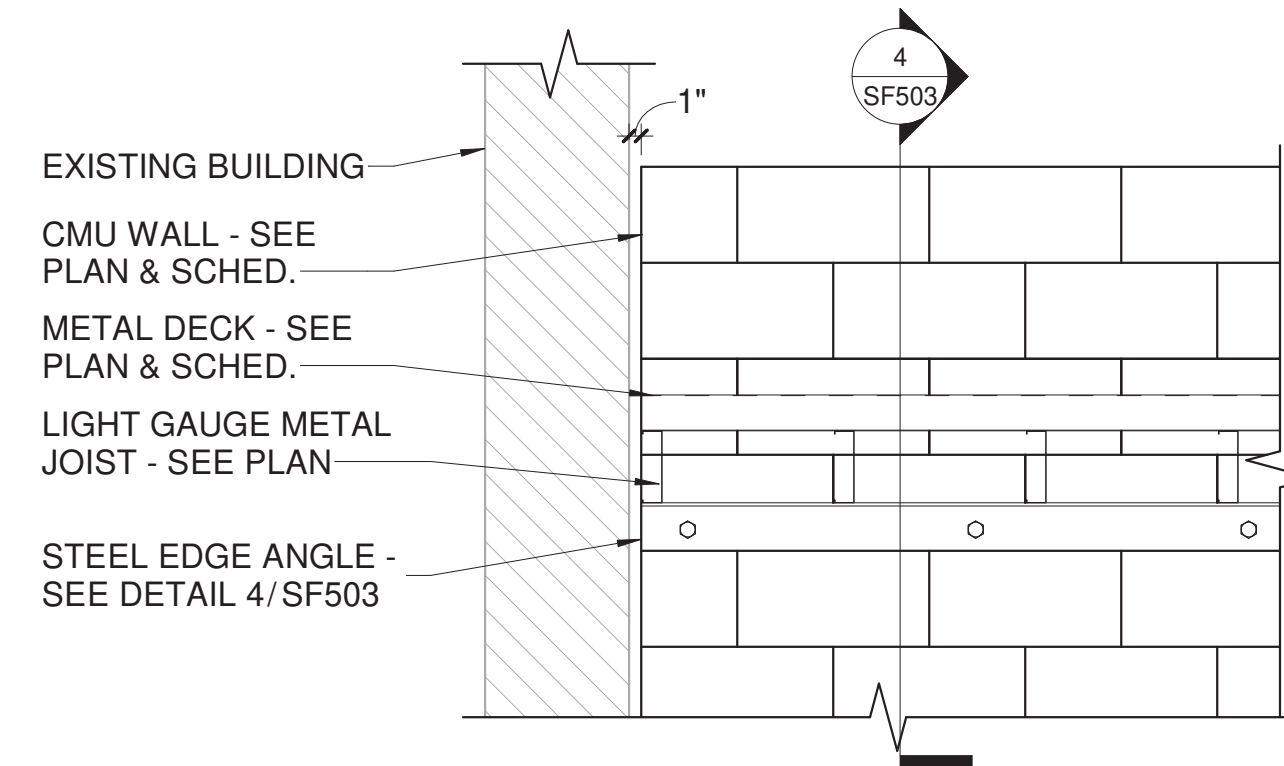




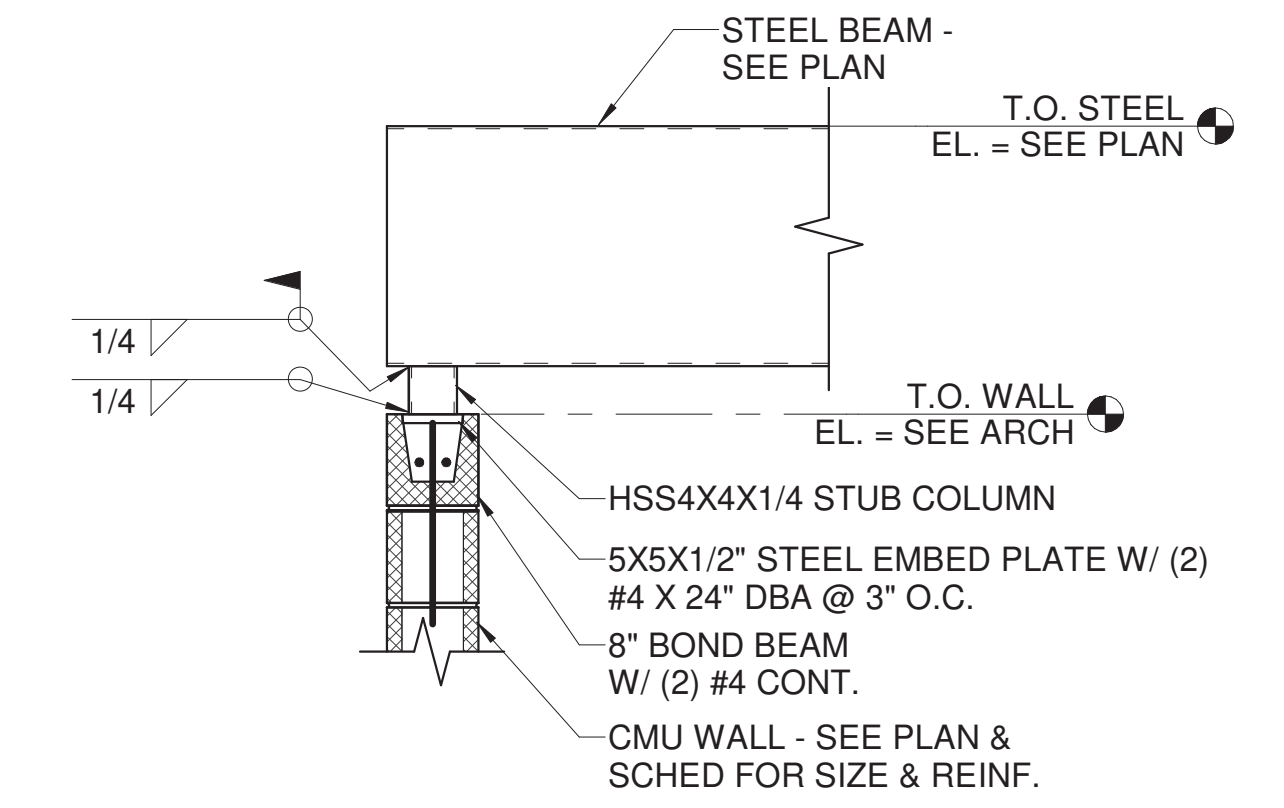
1 STAIR LANDING AT CURTAIN WALL
SCALE: 3/4" = 1'-0"



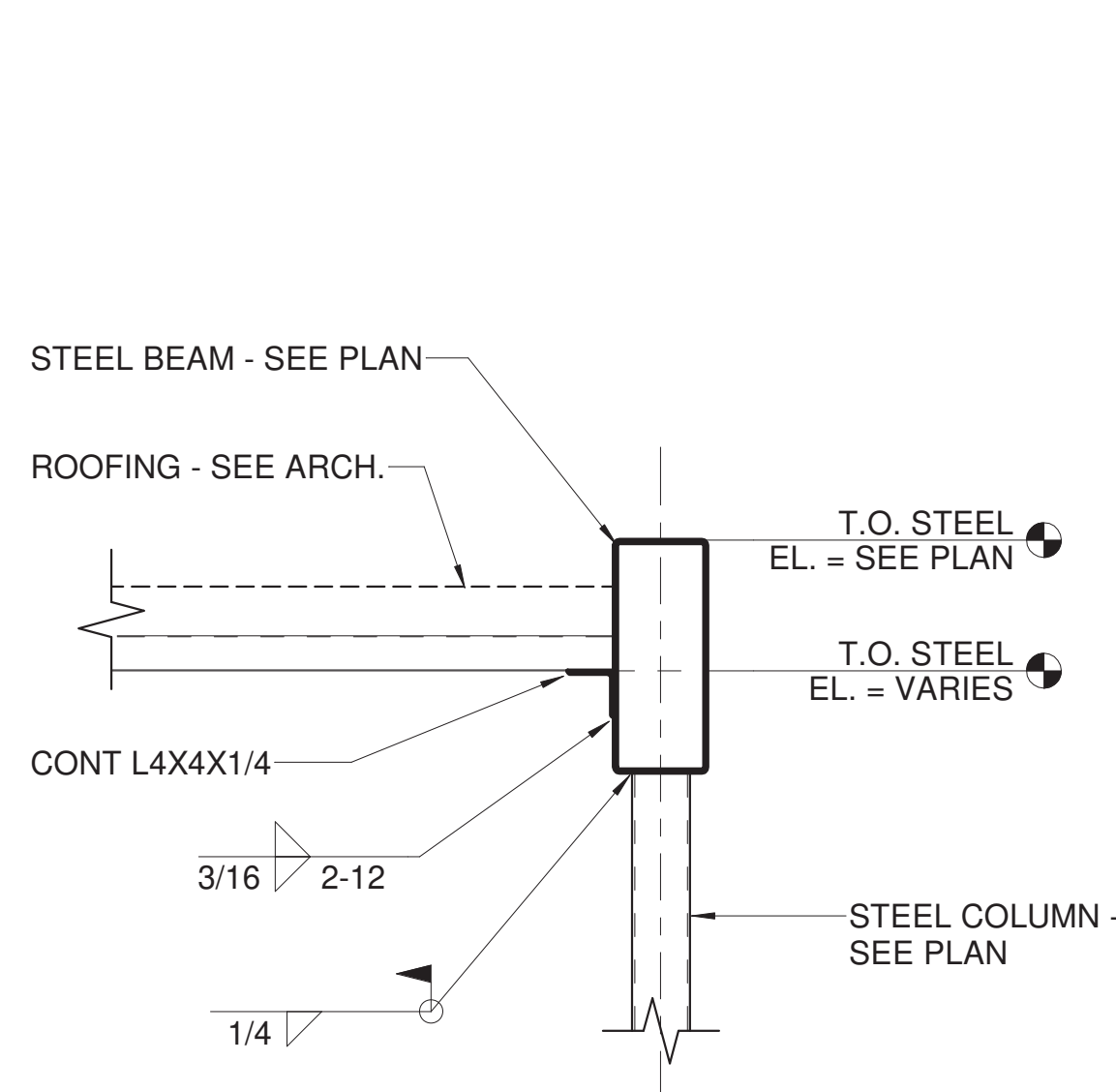
2 ATTIC FLOOR DETAIL
SCALE: 3/4" = 1'-0"



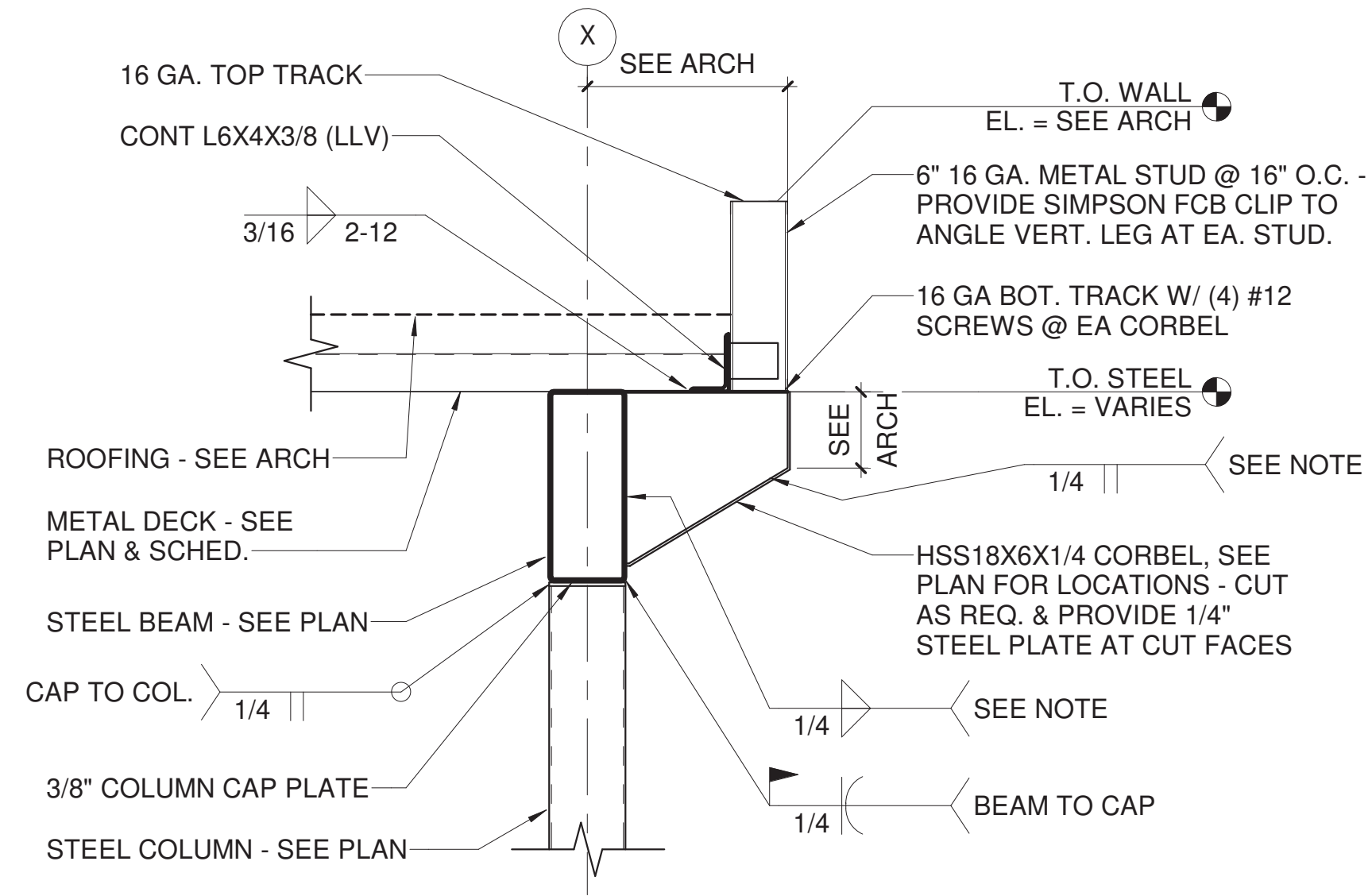
3 FRAMING AT EXISTING BUILDING
SCALE: 3/4" = 1'-0"



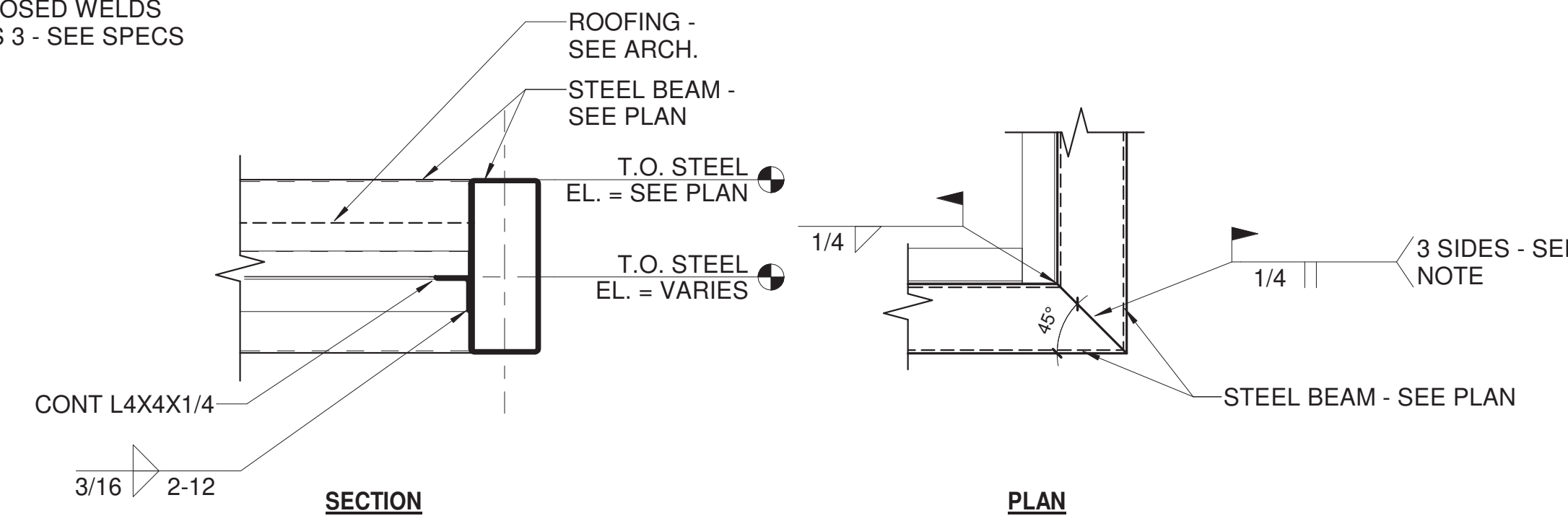
4 STEEL BEAM AT MASONRY WALL
SCALE: 3/4" = 1'-0"



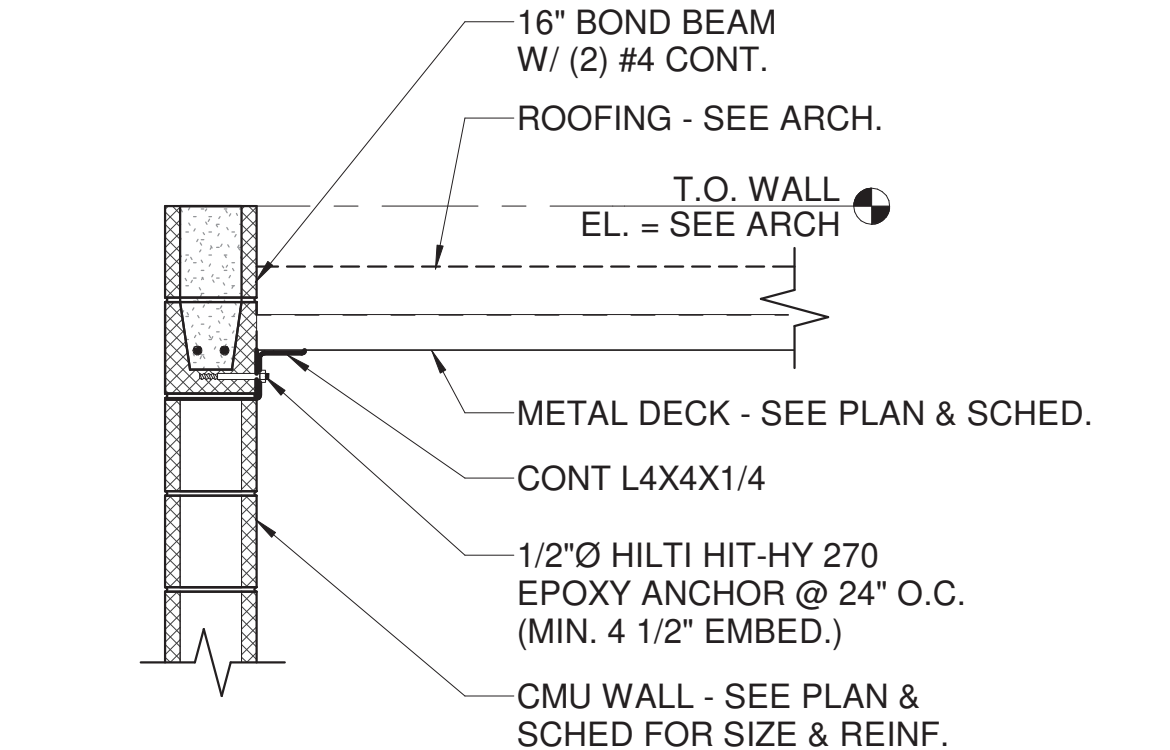
5 METAL DECK BEARING AT STEEL BEAM
SCALE: 3/4" = 1'-0"



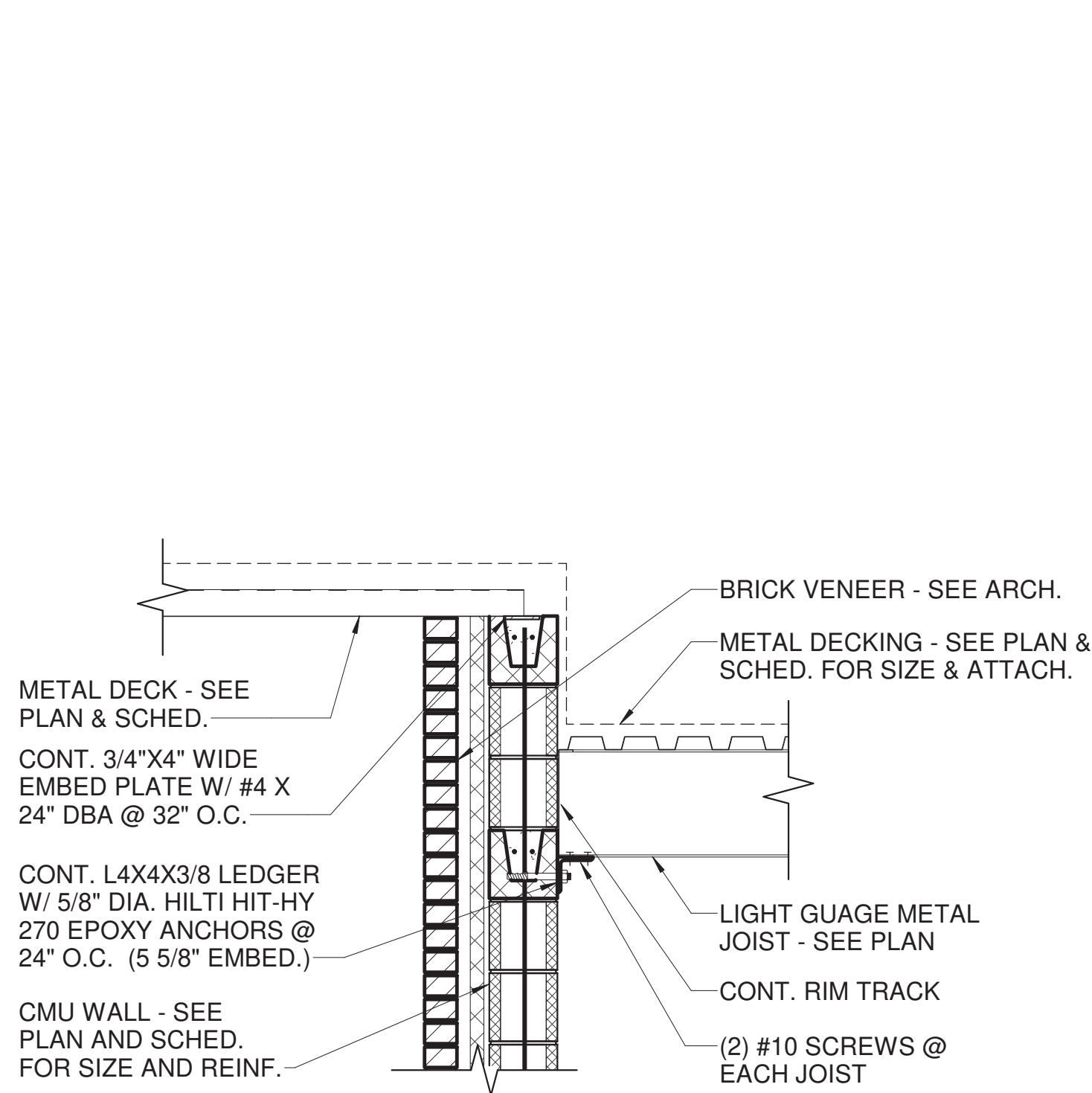
6 VESTIBULE FRAMING DETAIL
SCALE: 3/4" = 1'-0"



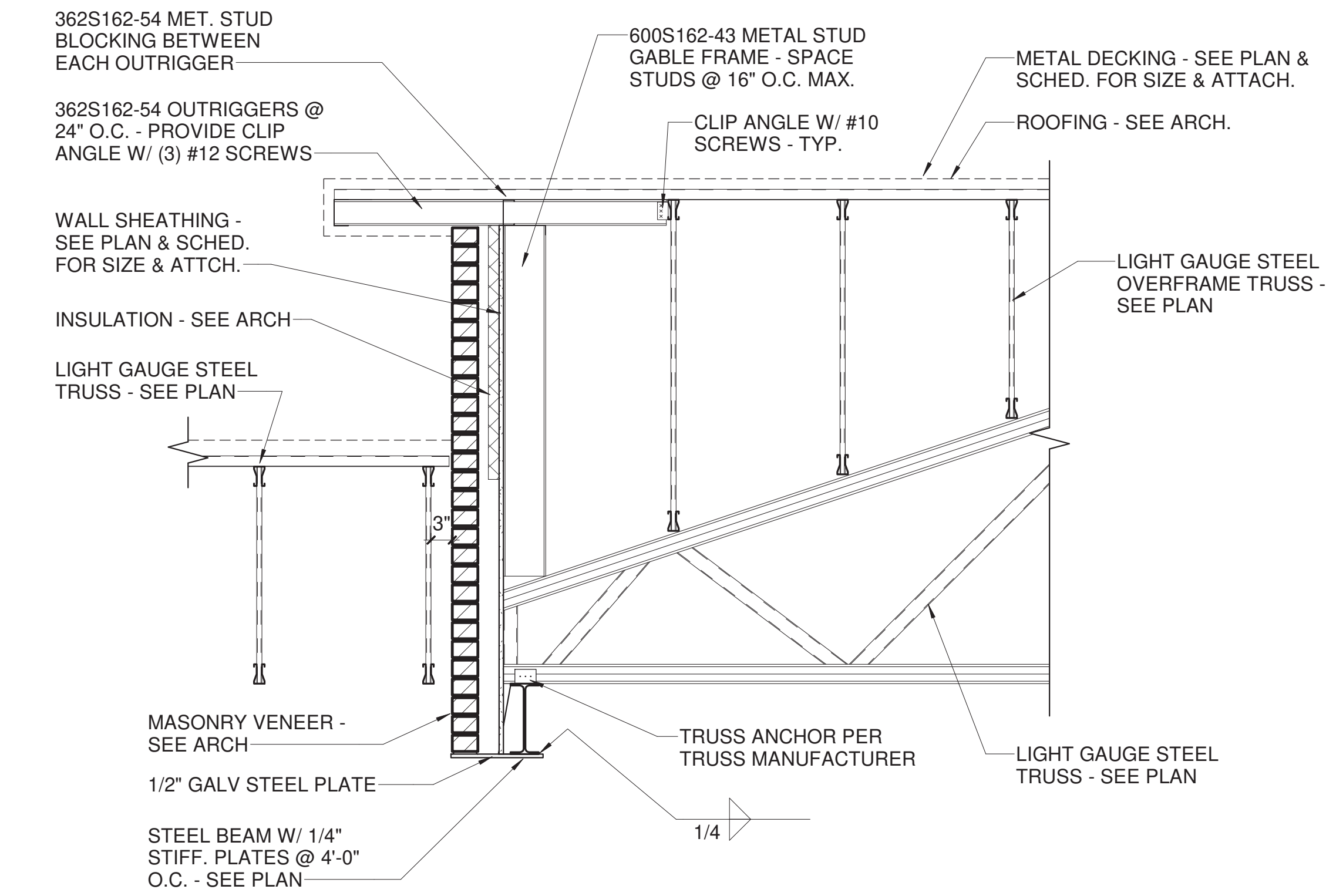
7 HSS BEAM CORNER CONNECTION
SCALE: 3/4" = 1'-0"



8 METAL DECK AT MASONRY WALL
SCALE: 3/4" = 1'-0"



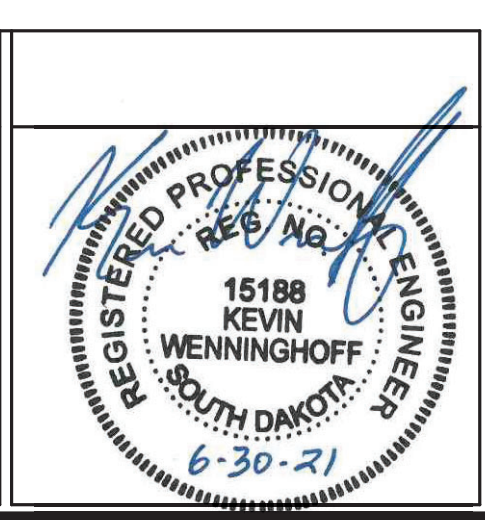
9 METAL DECK BEARING AT MASONRY WALL
SCALE: 3/4" = 1'-0"



10 GABLE END DETAIL AT STEEL BEAM
SCALE: 3/4" = 1'-0"

Revisions:	Date

CONSULTANTS:



ARCHITECT/ENGINEERS:

SCHEMMER

Design with Purpose. Build with Confidence.

TSA PROJECT NO. 06054.034

Drawing Title: FRAMING DETAILS

Approved: kmw

Project Title: CONSTRUCT CLC COTTAGE - HOSPICE

Project Number: 438-420

Building Number: 54

Location: SIOUX FALLS, SD

Date: 06/30/2021

Checked: kmw

Drawn: MJN

Drawing Number: SF505

Dwg. 55 of 90

Office of Construction and Facilities Management

Department of Veterans Affairs