

STATEMENT OF SPECIAL INSPECTIONS

Project: HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY
 Location: 307 W CORNELIUS HARNETT BLVD, LILLINGTON, NC
 Owner's Representative: STEVE WARD, sward@harnett.org
 Owner's Address: 700 MCKINNEY PARKWAY, LILLINGTON, NC 27448
 Architect of Record: ERIC SCHOENAGEL, AIA
 Structural Engineer of Record: SARAH MUSSER, PE

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection requirements (Chapter 17) of the International Building Code. The Statement includes a Schedule of Special Inspections applicable to this project as well as the required qualifications for the Special Inspector and Agents of the Special Inspector to perform on this project.

The Special Inspector shall keep records of all inspections, furnish inspection reports, and identify discrepancies as detailed by project specifications and RFP.

A Final Report of Special Inspections, documenting the completion of all required Special Inspections and confirming the correction of any discrepancies, will be submitted prior to issuance of a Certificate of Use and Occupancy.

The Special Inspections program does not relieve the Contractor of his or her responsibilities. Job Site safety and means and methods of construction are solely the responsibility of the Contractor.

SCHEDULE OF SPECIAL INSPECTION

The following sheets comprise the required schedule of special inspections for this project. The construction divisions which require special inspections for this project are as follows.

- Soils
- Special Foundations
- Cast-in-Place Concrete
- Structural Load Bearing Precast Concrete
- Post Tensioned Concrete
- Structural Masonry – Level 1
- Structural Steel
- Steel Bar Joists
- Site Retaining Walls
- Miscellaneous Inspections in High Seismic Conditions
- Quality Assurance in High Wind Conditions
- Wall Panels and Veneers
- Sprayed Fire Resistant Materials
- Exterior Insulation & Finish System (EIFS)
- Progressive Collapse
- Blast Resistance
- Quality Assurance for Progressive Collapse

Seismic Design Category: C
 Basic Wind Speed: 125
 Wind Exposure Category: B

Statement of Special Inspections Prepared by (Structural Engineer of Record):

Signature _____ Date _____
 Owner's Authorization _____ Accepted for the Building Official by: _____
 Signature _____ Date _____ Signature _____ Date _____

QUALIFICATIONS OF INSPECTORS AND AGENTS OF SPECIAL INSPECTORS

The qualifications of all personnel performing Special Inspection activities are subject to the approval of the Building Official. The credentials of all inspectors shall be provided if requested. When the Structural Engineer of Record deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation will appear on the Schedule of Special Inspections.

The Special Inspector (SI) shall be a licensed Professional Engineer with a minimum of 3 years of experience as a Special Inspector.

1. SE Structural Engineer: A licensed PE or SE specializing in the design of building structures.
2. GE Geotechnical Engineer: A licensed PE specializing in soil mechanics and foundations.
3. S-EIT Structural Engineer-in-Training: A graduate engineer who has passed the Fundamentals of Engineering examination, with experience in the design of building structures and working under the supervision of a licensed structural PE or SE.
4. G-EIT Geotechnical Engineer-in-Training: A graduate engineer who has passed the Fundamentals of Engineering examination, with experience in soil mechanics and foundations and working under the supervision of a licensed geotechnical PE or SE.
5. G-TECH 1 Geotechnical Technician 1: An experienced technician with National Institute for Certification in Engineering Technologies: Level 2 – Soils certification.
6. G-TECH 2 Geotechnical Technician 2: An experienced technician with National Institute for Certification in Engineering Technologies: Level 2 – Geotechnical Engineering certification.
7. C-TECH 1 Concrete Technician 1: An experienced technician with American Concrete Institute – Grade I Concrete Field Testing Technician or Grade I Concrete Laboratory Testing Technician certification.
8. C-TECH 2 Concrete Technician 2: An experienced technician with American Concrete Institute – Grade II Concrete Laboratory Testing Technician or ICBO Reinforced Concrete Special Inspector certification.
9. S-TECH 1 Steel Technician 1: An experienced American Welding Society – Certified Associate Welding Inspector (CAWI) or Non-destructive Testing Technician ASNT-TC-1A Level I.
10. S-TECH 2 Steel Technician 2: An experienced American Welding Society – Certified Welding Inspector (CWI) or Non-destructive Testing Technician ASNT-TC-1A Level II or ICBO Certified Structural Steel and Bolting Special Inspector.
11. S-TECH 3 Steel Technician 3: A technician who is an American Welding Society – Certified Welding Inspector (CWI) with a minimum of 10 years of weld inspection experience or a Non-destructive Testing Technician ASNT-TC-1A Level II or ICBO Certified Structural Welding Special Inspector.
12. SMSI Structural Masonry Special Inspector: An experienced masonry inspector who is an ICBO Certified Structural Masonry Special Inspector.
13. SFSI ICBO Certified Spray-Applied Fireproofing Special Inspector.
14. PCSI ICBO Certified Prestressed Concrete Special Inspector.
15. PTI Concrete technician with Post Tensioning Institute – Level 2 Certification.
16. SCSI Inspector/Testing company with fire protection engineering experience, mechanical engineering experience, and certification as air balancers.

SOILS

(Special Inspection of soils is only required for subgrade and fill placement under structures requiring Special Inspections.)

Item	Qualifications	Scope
1. Site Preparation	SI, G-TECH, S-EIT, G-EIT, GE, SE	<ul style="list-style-type: none"> • Collect testing agency's field and laboratory test reports during site preparation and verify the following complies with the project specifications/geotechnical report: <ul style="list-style-type: none"> • Site stripping and subgrade preparation • Fill material (on-site and/or imported) classification • Fill material placement (lift thickness, moisture content and compaction) • Allowable bearing capacity for footings and foundations • Periodic inspection of testing of fill material placement including periodic observation of testing agency's density testing methods and frequency of testing to verify compliance with project specifications/geotechnical report • Continuous inspection of density and lift thicknesses during placement and compaction of controlled fills within the building footprint. • Continuous verification for the use of proper fill materials during placement within the building footprint.

CAST-IN-PLACE CONCRETE

Item	Qualifications	Scope
1. Mix Design Verification	SI, C-TECH 1, C-TECH 2, S-EIT, SE	<ul style="list-style-type: none"> • Collect accepted mix designs and verify appropriate mix is used during specific installation
2. Reinforcement Installation	SI, C-TECH 2, S-EIT, SE	<ul style="list-style-type: none"> • Periodic inspection of reinforcing steel and welded wire fabric to confirm size, spacing and details conform to contract documents at the following minimum frequency, distributed throughout construction: <ul style="list-style-type: none"> • Footings and foundations • Foundation walls and pedestals • Slabs on metal deck
3. Welding Reinforcing	SI, S-TECH 1, S-TECH 2, S-TECH 3	<ul style="list-style-type: none"> • Continuous inspection of all reinforcing, noted to be welded • Verify reinforcing meets ASTM requirements for weldability
4. Concrete Placement/Monitoring Fresh Concrete, Sampling & prep of test samples	SI, C-TECH 2, S-EIT, SE	<ul style="list-style-type: none"> • Continuous inspection of cast-in-place concrete placement • Continuous monitoring of sampling of fresh concrete, slump test, air content test, temperature of concrete and creation of strength test specimens
5. Bolting	SI, C-TECH 2, S-EIT, SE	<ul style="list-style-type: none"> • Continuous inspection of bolts placed or cast into concrete • Periodic (min. 20%, distributed throughout construction) inspection of expansion anchor installation or other type anchor • Periodic (min.75%, distributed throughout construction) inspection of epoxy anchor installation
6. Curing & Protection	SI, C-TECH 2, S-EIT, SE	<ul style="list-style-type: none"> • Periodic inspections of curing techniques • Periodic inspections of cold and hot weather concreting techniques

SITE RETAINING WALLS

Item	Qualifications	Scope
1. All site retaining walls retaining more than 5'-0" require special inspections. This includes footings and walls. See appropriate material Special Inspection schedules for specific requirements.		

MISCELLANEOUS INSPECTIONS IN HIGH SEISMIC CONDITIONS

Item	Qualifications	Scope
1. Mechanical and electrical components (C)	SI	<ul style="list-style-type: none"> • Periodic inspection during the anchorage of electrical equipment used for emergency power systems • Periodic inspection of piping systems intended to carry flammable, combustible, or highly toxic contents and their associated mechanical units. • Periodic inspection of HVAC ductwork that will contain hazardous materials
2. Component and attachment testing	SI	<ul style="list-style-type: none"> • Periodic inspection of components with importance factor of 1.0 or 1.5 • Verify quality control plan • Inspect each piece of equipments label to ensure permanent identification of quality control program • Collect certificate of compliance for components with importance factor of 1.0 or 1.5
3. Seismic isolation system	SI	<ul style="list-style-type: none"> • Inspection of isolator units and energy dissipation devices during fabrication and installation.

QUALITY ASSURANCE IN HIGH WIND CONDITIONS

Item	Qualifications	Scope
1. Roofing cover, Roof deck, and Roof framing connections	S-EIT, SE, SI	<ul style="list-style-type: none"> • Inspect size and spacing for fasteners
2. Exterior wall covering and wall connections to roof and floor diaphragms	S-EIT, SE, SI	<ul style="list-style-type: none"> • Inspect size and spacing for fasteners

STRUCTURAL STEEL

Item	Qualifications	Scope
1. Fabricator Certification/Quality Control Procedures	S-TECH 1, S-TECH 2, S-TECH 3, S-EIT, SE, SI	<ul style="list-style-type: none"> • Ensure fabricator is AISC certified per contract documents to satisfy requirements of AISC 360 Chapter N • Collect Certificate of Compliance from fabricator at completion of fabrication
2. Welding	S-TECH 1, S-TECH 2, S-TECH 3, S-EIT, SE, SI	<ul style="list-style-type: none"> • Perform welding inspections per AISC 360, Table N5.4-1, N5.4-2, and N5.4-3
3. Structural Details	S-TECH 1, S-TECH 2, S-TECH 3, S-EIT, SE, SI	<ul style="list-style-type: none"> • Periodic inspection of steel framing joint details to confirm member sizes and connection details at the following minimum frequency, distributed throughout construction: <ul style="list-style-type: none"> • 10% of all beam to beam connections • 25% of all beam to column connections • 50% of all column splice connections • 100% of all connections of members within lateral resisting system
4. Bolting	S-TECH 1, S-TECH 2, S-TECH 3, S-EIT, SE, SI	<ul style="list-style-type: none"> • Perform bolting inspections per AISC 360 Table N5.6-1, N5.6-2, and N5.6-3
5. Material Certification	S-TECH 1, S-TECH 2, S-TECH 3, S-EIT, SE, SI	<ul style="list-style-type: none"> • Collect Certified mill test reports for all types of structural steel specified in the contract documents and confirm compliance with contract documents • Periodic (min 5%, distributed throughout construction) inspection of steel identification markings to comply with applicable material standards.
6. Connectors	S-TECH 1, S-TECH 2, S-TECH 3, S-EIT, SE, SI	<ul style="list-style-type: none"> • Periodic (min 25%, distributed throughout construction) visual inspection of shear stud welds to confirm 360° flash • Periodic (min 10%, distributed throughout construction) inspection of shear stud welds by 15° bend test • Periodic (min 25%, distributed throughout construction) inspection of composite beams to confirm number of shear studs installed conforms to contract documents

STEEL BAR JOISTS

Item	Qualifications	Scope
1. Installation of open-web steel bar joists	S-TECH 1, S-TECH 2, S-TECH 3, SI, SE, S-EIT	<ul style="list-style-type: none"> • Periodic visual inspection of end connections - welding or bolted • Periodic visual inspection of bridging - horizontal or diagonal <ol style="list-style-type: none"> 1. Standard bridging 2. Special bridging and bracing

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ISSUE FOR CONSTRUCTION DOCUMENTS

ISSUE DATE: 06.28.2019

REVISIONS: NO. REASON DATE

PROJECT TEAM
 PRINCIPAL IN CHARGE: JULIE MCLAURIN, AIA
 PROJECT MANAGER: ERIC SCHOENAGEL, AIA
 DESIGN TEAM: SARAH MUSSER, PE

HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY

PROJECT NO. 514-8066-00

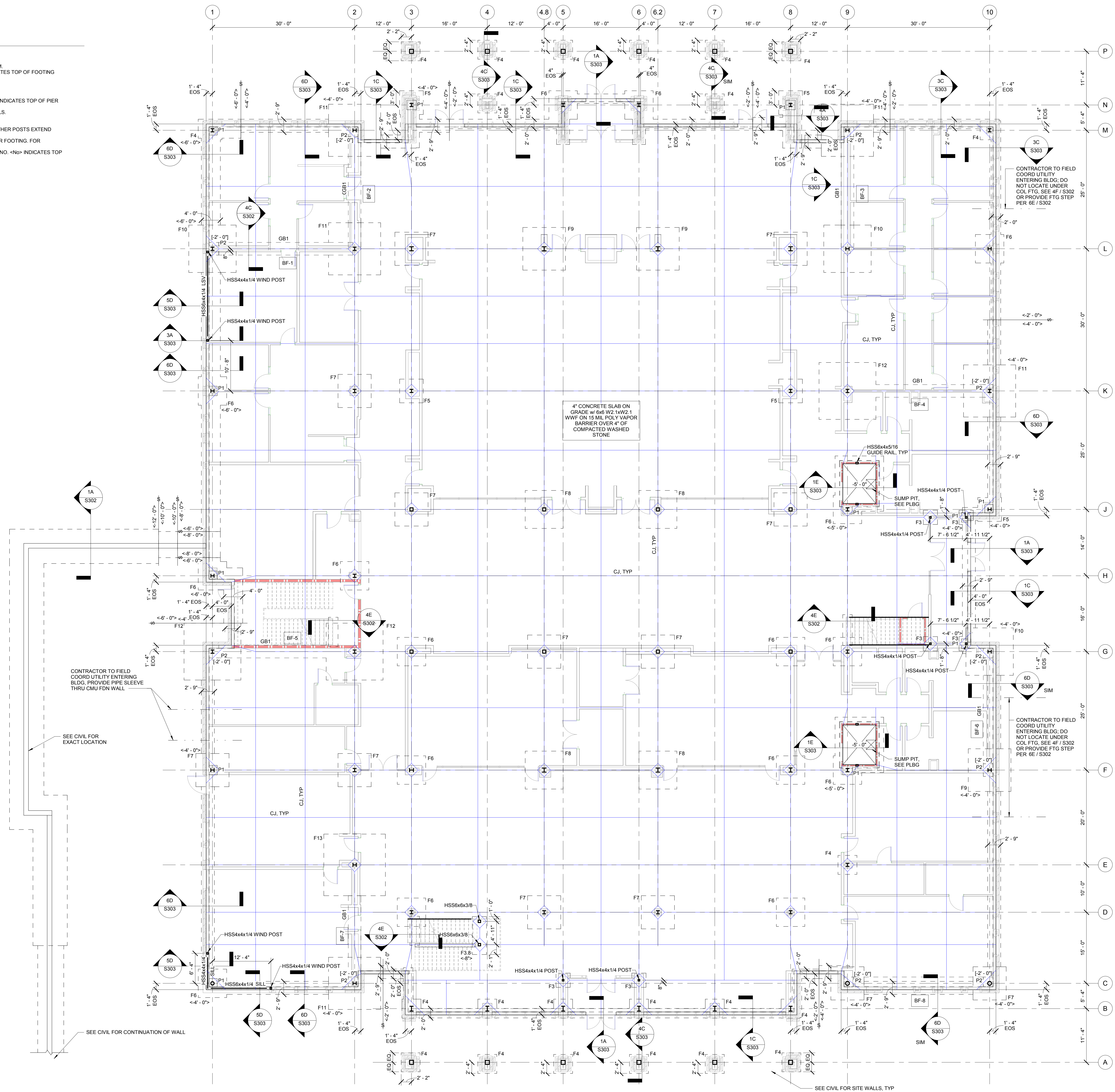
SHEET TITLE STATEMENT OF SPECIAL INSPECTIONS

SHEET NUMBER S002

1F FOUNDATION PLAN

S111 1/8" = 1'-0"

- NOTES:**
- SEE S001 FOR GENERAL NOTES AND ABBREVIATIONS.
 - FINISHED FLOOR ELEVATION 172.50'. UNO. REFERENCE ELEVATION 0'-0", DATUM.
 - TOP OF FOOTING 2'-0" BELOW FINISHED FLOOR ELEVATION. UNO. <No> INDICATES TOP OF FOOTING ELEVATION. SEE PLAN.
 - <#> INDICATES STEP IN WALL FOOTING. SEE 6E / S302.
 - *F#* INDICATES FOOTING TYPE. SEE S301.
 - *P#* INDICATES CONCRETE PIER TYPE. SEE 6A / S302.
 - TOP OF PIER ELEVATION 0'-8" BELOW FINISHED FLOOR ELEVATION. UNO. [No] INDICATES TOP OF PIER ELEVATION. SEE PLAN.
 - *BF#* INDICATES BRACED FRAME TYPE. SEE S201 FOR ELEVATIONS AND DETAILS.
 - SEE S301 FOR COLUMN SCHEDULE.
 - SEE S302 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
 - SEE 3A / S303 FOR WIND POST BASE CONNECTION AT SLAB ON GRADE. ALL OTHER POSTS EXTEND DOWN TO TOP OF FOOTING OR PIER. SEE 6A / S301 FOR DETAILS.
 - *GB1* INDICATES GRADE BEAM. EXTEND REINFORCING TO FAR SIDE OF PIER OR FOOTING. FOR SECTION, SEE 4C / S302.
 - TOP OF GRADE BEAM ELEVATION 2'-0" BELOW FINISHED FLOOR ELEVATION. UNO. <No> INDICATES TOP OF FOOTING ELEVATION. SEE PLAN.



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HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY

PROJECT NO.: 514-8066-00

SHEET TITLE: FOUNDATION PLAN

SHEET NUMBER: S111

1F SECOND FLOOR FRAMING PLAN

S112 1/8" = 1'-0"

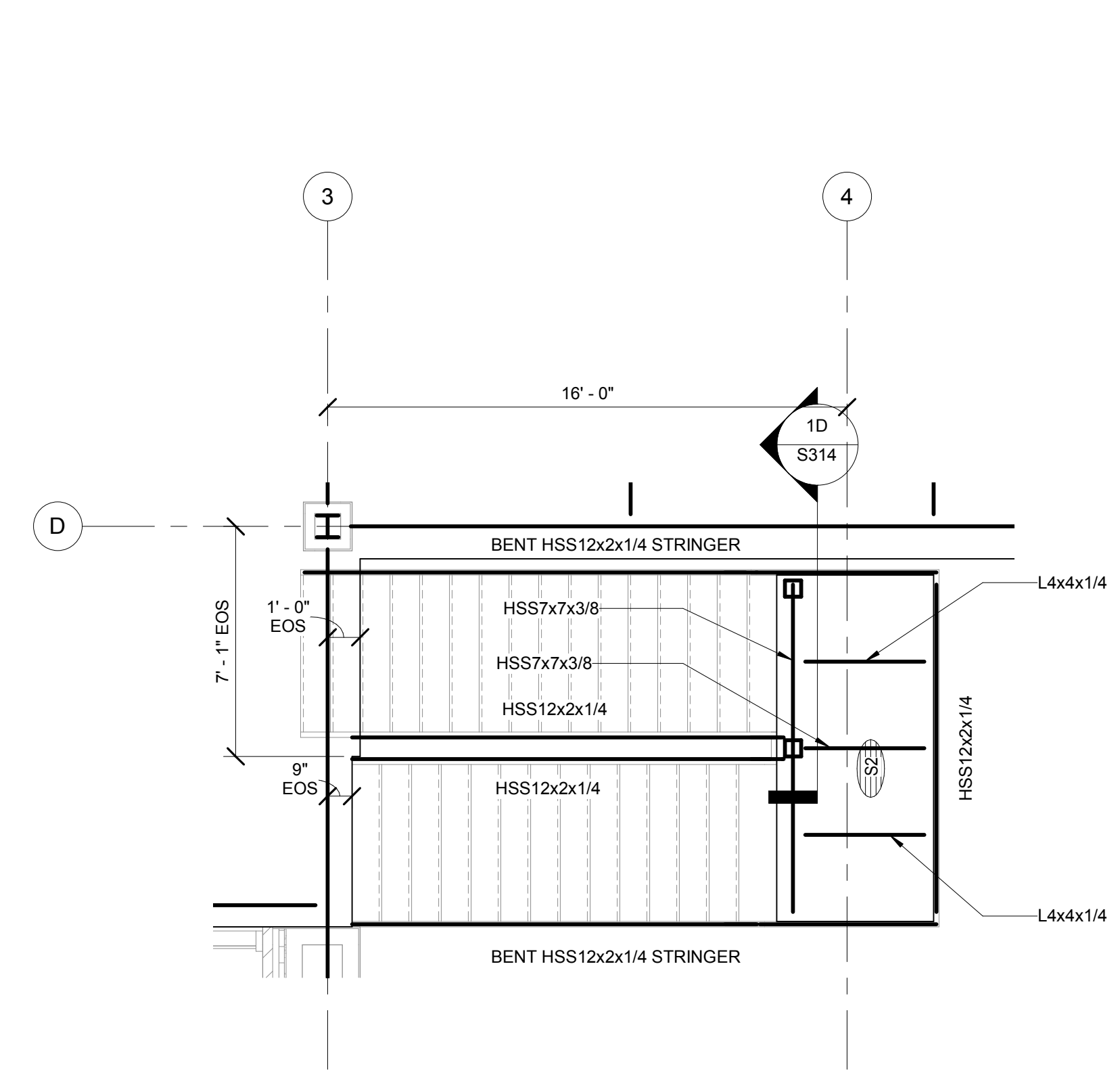
- NOTES:
- SEE S001 FOR GENERAL NOTES AND ABBREVIATIONS.
 - FINISHED FLOOR ELEVATION 16'-8" ABOVE REFERENCE DATUM ELEVATION. UNO, (No) INDICATES TOP OF STEEL ELEVATION.
 - TOP OF STEEL ELEVATION 5'-11/4" BELOW FINISHED FLOOR ELEVATION. UNO, (No) INDICATES TOP OF STEEL ELEVATION.
 - MINIMUM COMPOSITE BEAM REACTION TO BE 10K. UNO.
 - *BF# INDICATES BRACED FRAME TYPE. SEE S201 FOR ELEVATIONS AND DETAILS.
 - SEE S311 FOR TYPICAL FLOOR FRAMING DETAILS.
 - SEE S301 FOR COLUMN SCHEDULE.
 - *MC* INDICATES MOMENT CONNECTION. SEE 4C / S312.

(S1) INDICATES SPAN DIRECTION OF 2'-20 GA COMPOSITE STEEL DECK, GALV G60 FINISH, w/ 3 1/4" 4000 PSI LIGHT WEIGHT CONCRETE REINFORCED w/ #6 @ W2.1W2.1 WWF. SEE TYPICAL DETAILS ON S311

(S2) INDICATES SPAN DIRECTION OF 1 1/2" TYPE C CONFORM STEEL DECK, GALV G60, w/ 2 1/2" NORMAL WEIGHT CONCRETE REINFORCED w/ #6 @ W2.9W2.9 WWF. SEE TYPICAL DETAILS ON S311

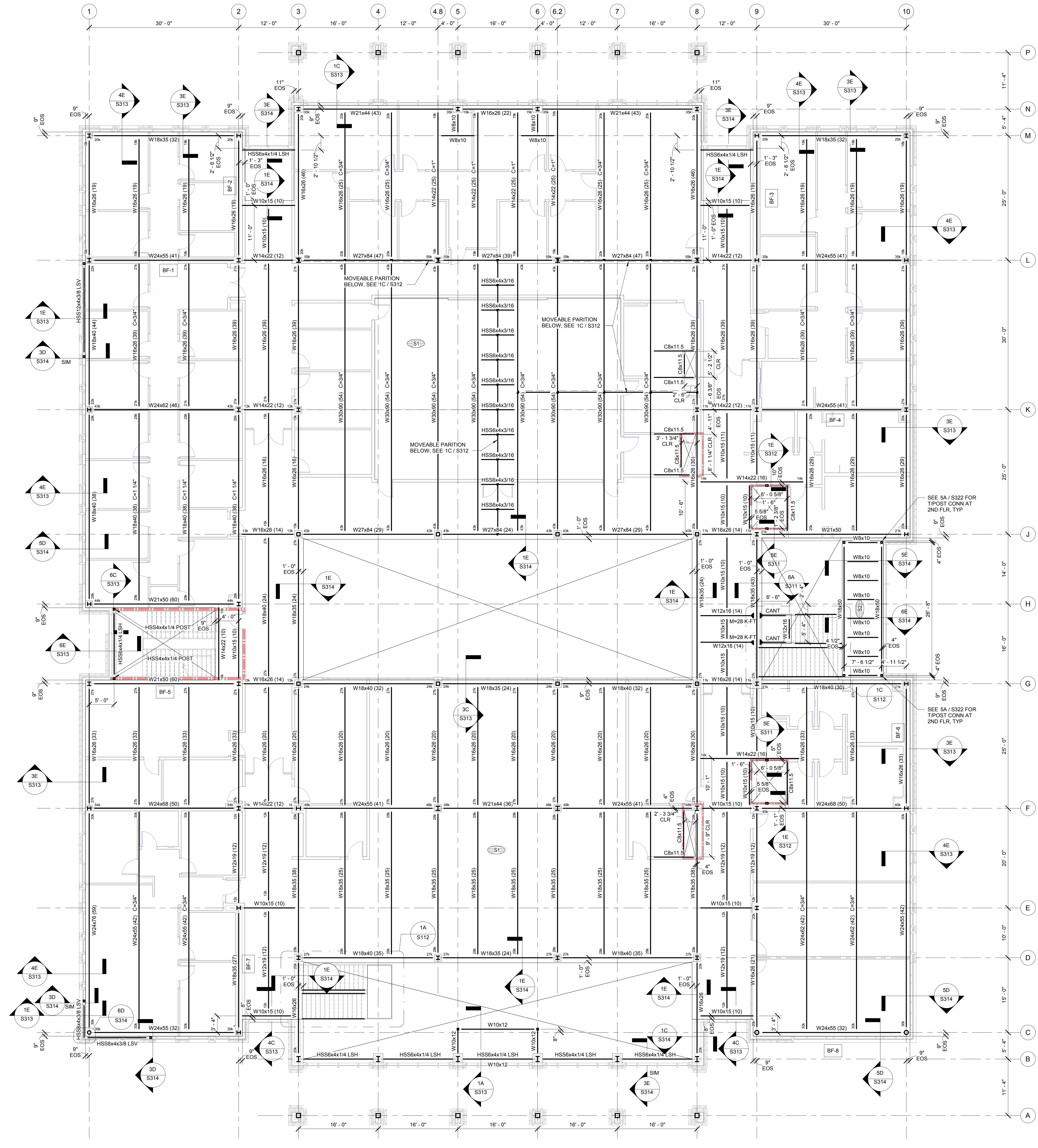
1C 02 SECOND FLOOR - ENTRY STAIR

S112 1/4" = 1'-0"



1A LIBRARY STAIR FRAMING PLAN

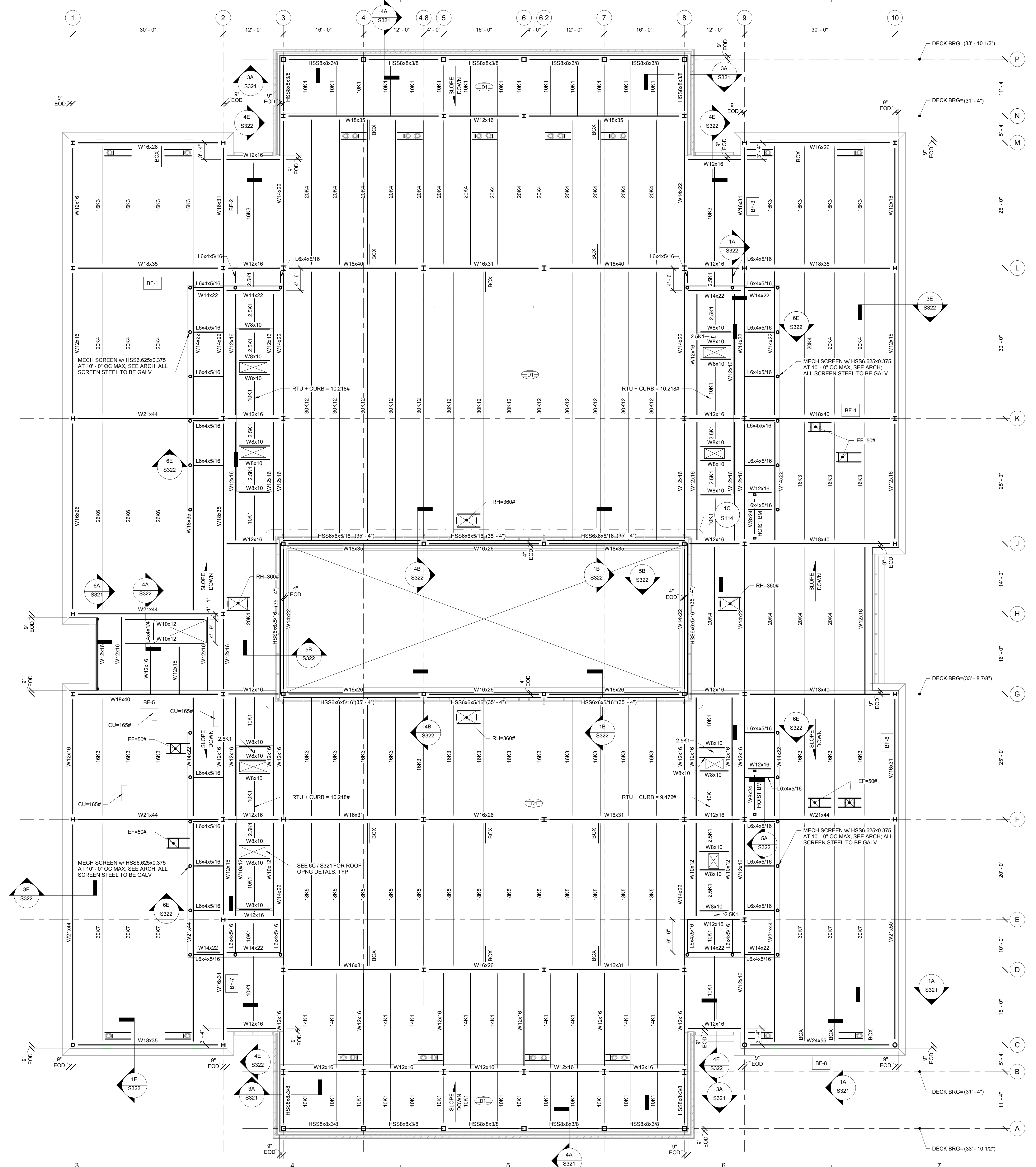
S112 1/4" = 1'-0"



1F ROOF FRAMING PLAN
 1/8" = 1'-0"
 S113

NOTES:
 1. SEE S001 FOR GENERAL NOTES AND ABBREVIATIONS.
 2. (NO) INDICATES TOP OF JOIST/DECK BEARING ELEVATION.
 3. *HSS* INDICATES HSS-x-x BEAM.
 4. W-* INDICATES W-x BEAM.
 5. *BF* INDICATES BRACED FRAME TYPE. SEE S201 FOR ELEVATIONS AND DETAILS.
 6. SEE S321 FOR TYPICAL ROOF FRAMING DETAILS.
 7. SEE S301 FOR COLUMN SCHEDULE.

(D1) METAL ROOF DECK, 1 1/2" TYPE "B", 20 GA. GALV
 G60 FINISH, SEE 3E / S321 FOR ATTACHMENT



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 PROFESSIONAL ENGINEER
 JULIE M. MUSSER
 031551
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 PROJECT MANAGER: ERIC SCHOENAGEL, AIA
 DESIGN TEAM: SARAH MUSSER, PE

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PROJECT NO.: 514-8066-00
 SHEET TITLE: ROOF FRAMING PLAN

SHEET NUMBER: S113

F

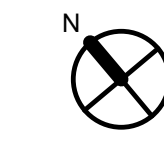
E

D

C

B

A



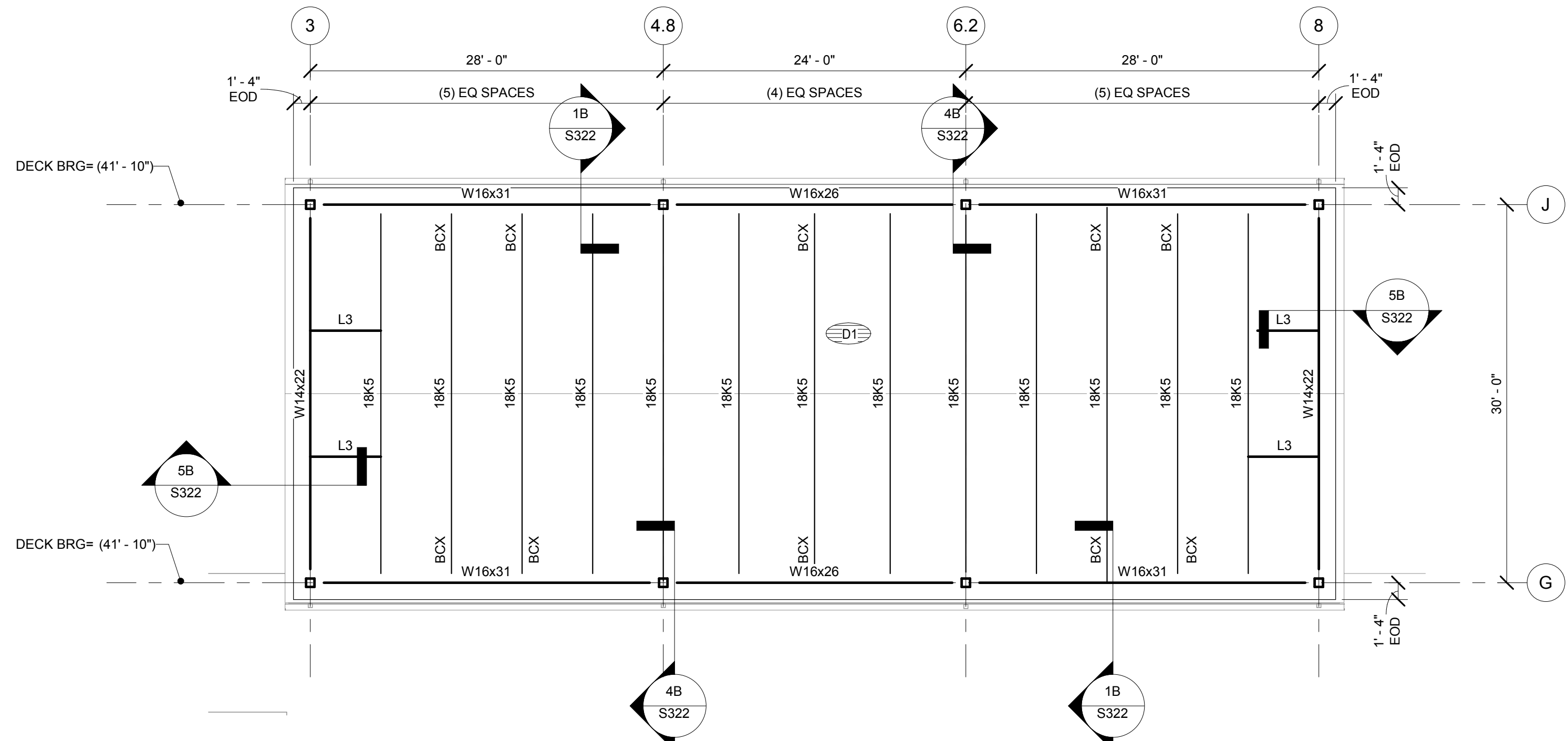
1C GREAT HALL ROOF FRAMING PLAN

S114
1/8" = 1'-0"

NOTES:

1. SEE S301 FOR GENERAL NOTES AND ABBREVIATIONS.
2. (No) INDICATES TOP OF JOIST/DECK BEARING ELEVATION.
3. SEE S321 FOR TYPICAL ROOF FRAMING DETAILS.
4. SEE S301 FOR COLUMN SCHEDULE.
5. "1.3" INDICATES 1.3x3/16 BRACE.
6. "BCX" INDICATES BOTTOM CHORD EXTENSION.

METAL ROOF DECK, 1 1/2" TYPE "B", 20 GA, GALV
G60 FINISH, SEE 3E / S321 FOR ATTACHMENT



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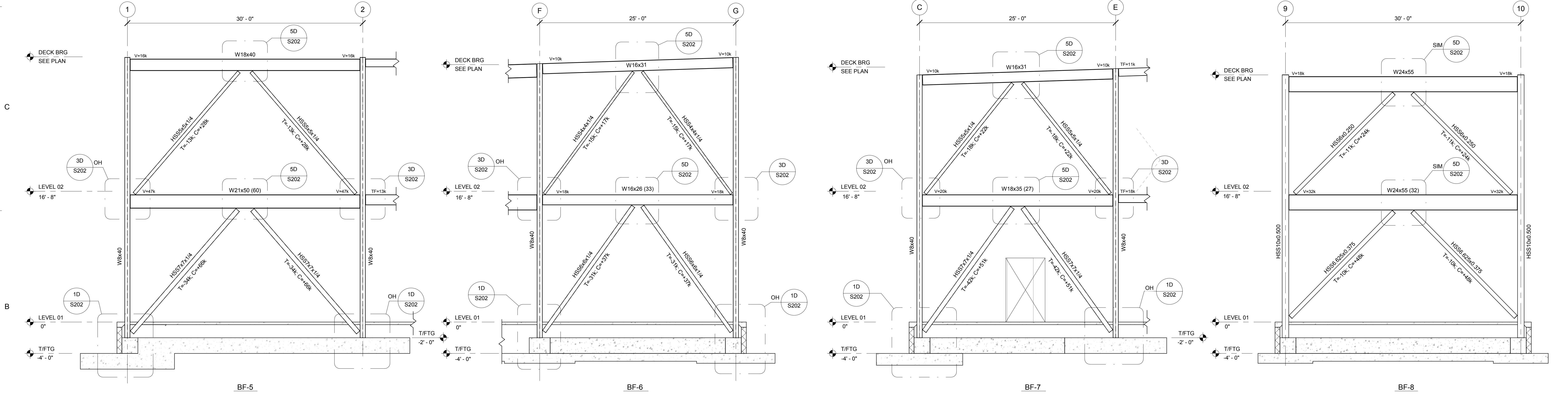
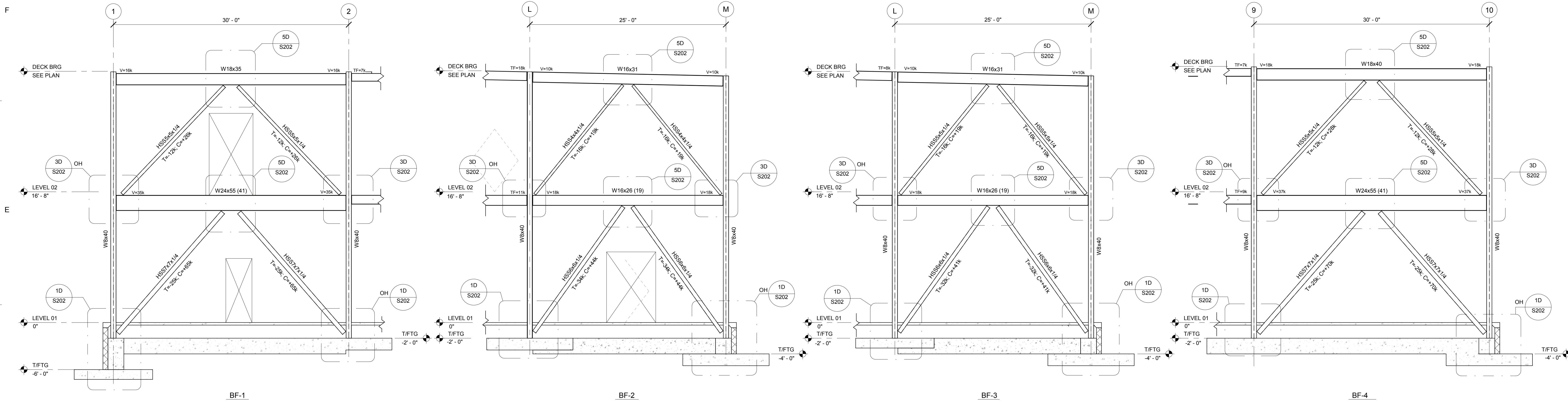
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HARNETT COUNTY
GOVERNMENT RESOURCE
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PROJECT NO.
514-8066-00

SHEET TITLE
HIGH ROOF FRAMING
PLAN

SHEET NUMBER
S114



1A BRACE FRAME ELEVATIONS

S201 3/16" x 1/4"

- NOTES:
1. CENTROIDS OF MEMBERS SHALL COINCIDE. UNO.
 2. [N] INDICATES BRACE AXIAL FORCE (IN KIPS). "T" DENOTES THE BRACE IS IN TENSION. "C" DENOTES THE BRACE IS IN COMPRESSION. "V" INDICATES SHEAR FORCE (IN KIPS).
 3. "TF" INDICATES TRANSFER FORCE (IN KIPS) FROM ADJACENT BEAM.
 4. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS WITHIN BRACE FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM SHEAR SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.
 5. CONNECTIONS TO BE DESIGNED BASED ON AISC SEISMIC DETAILING REQUIREMENTS.
 6. SEE STEEL GENERAL NOTES FOR DESIGN METHOD, ASD OR LRFD.

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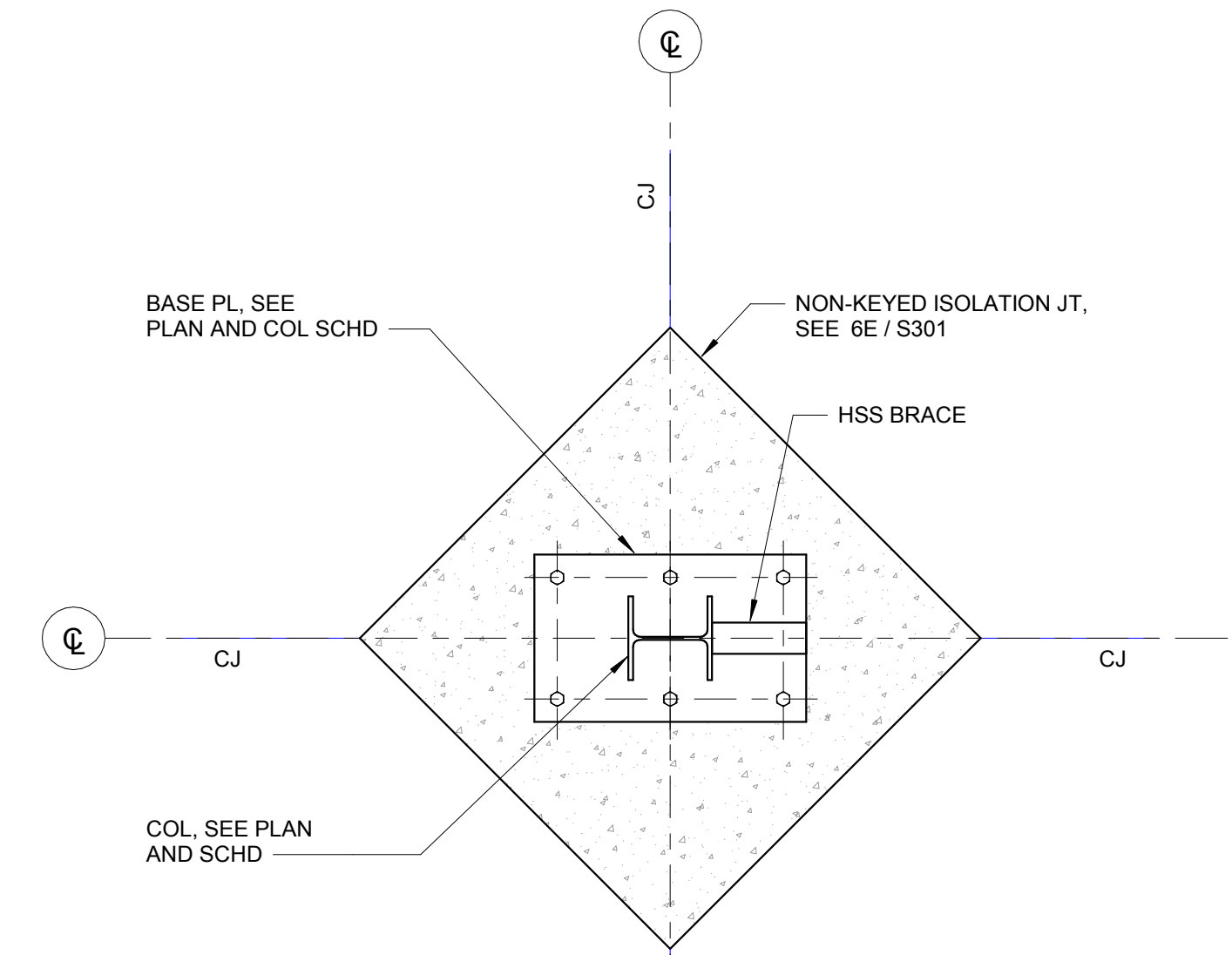
HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY

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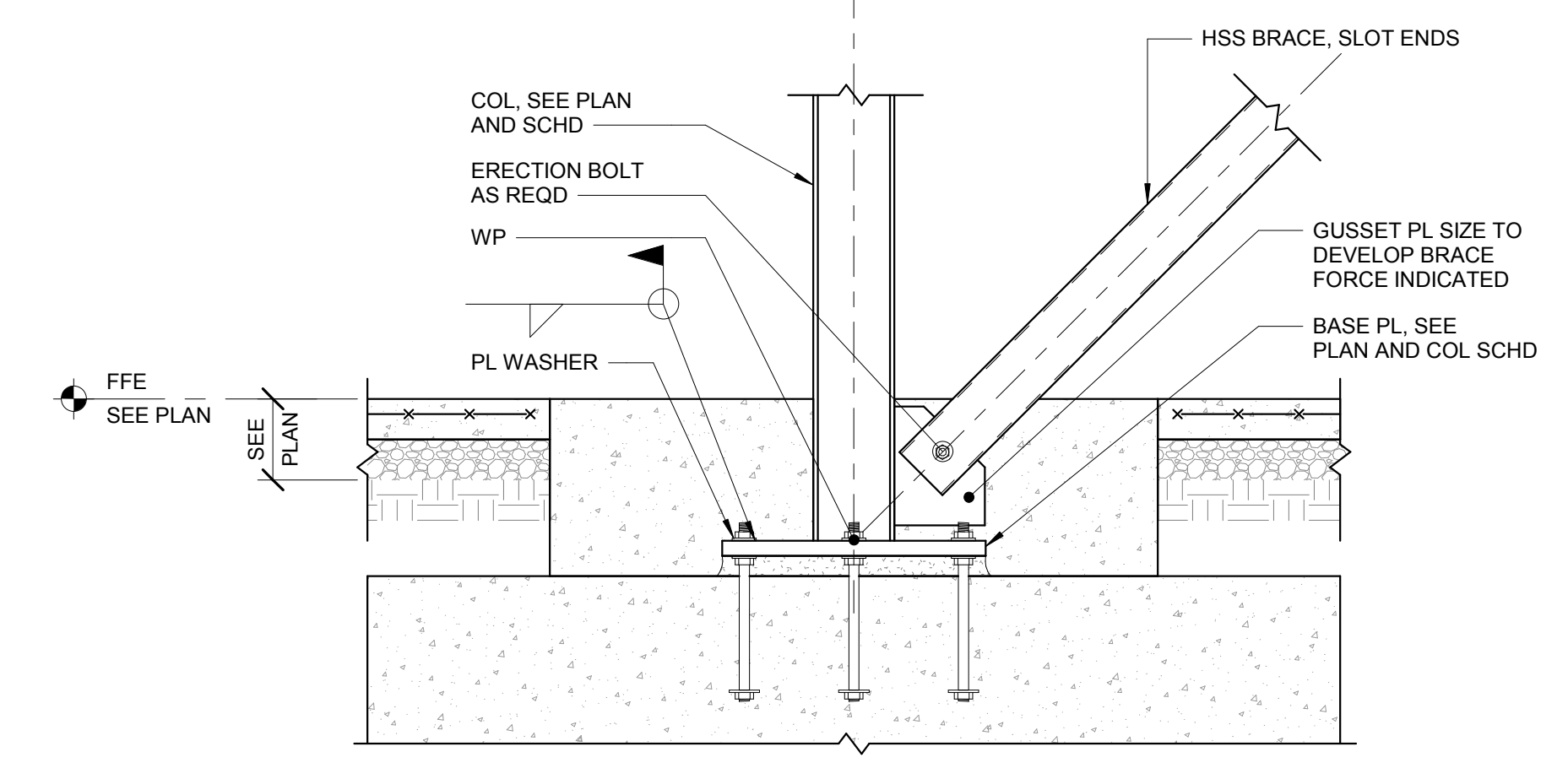
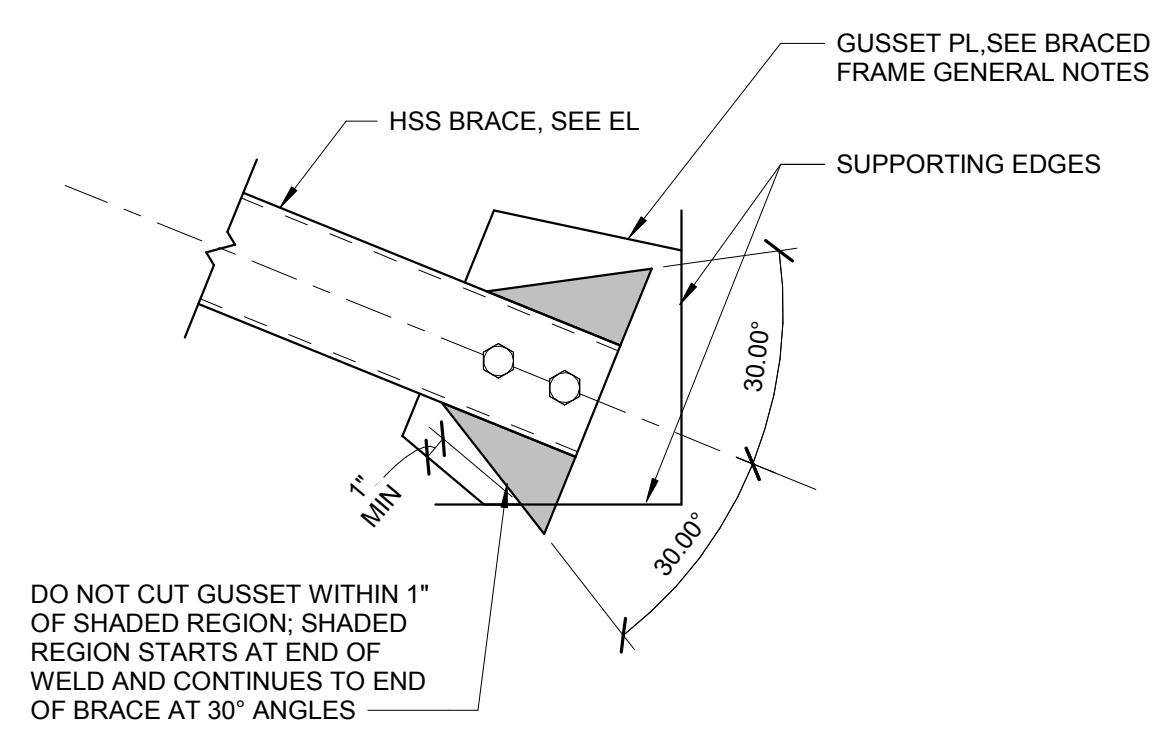
SHEET TITLE
BRACED FRAME ELEVATIONS

SHEET NUMBER
S201

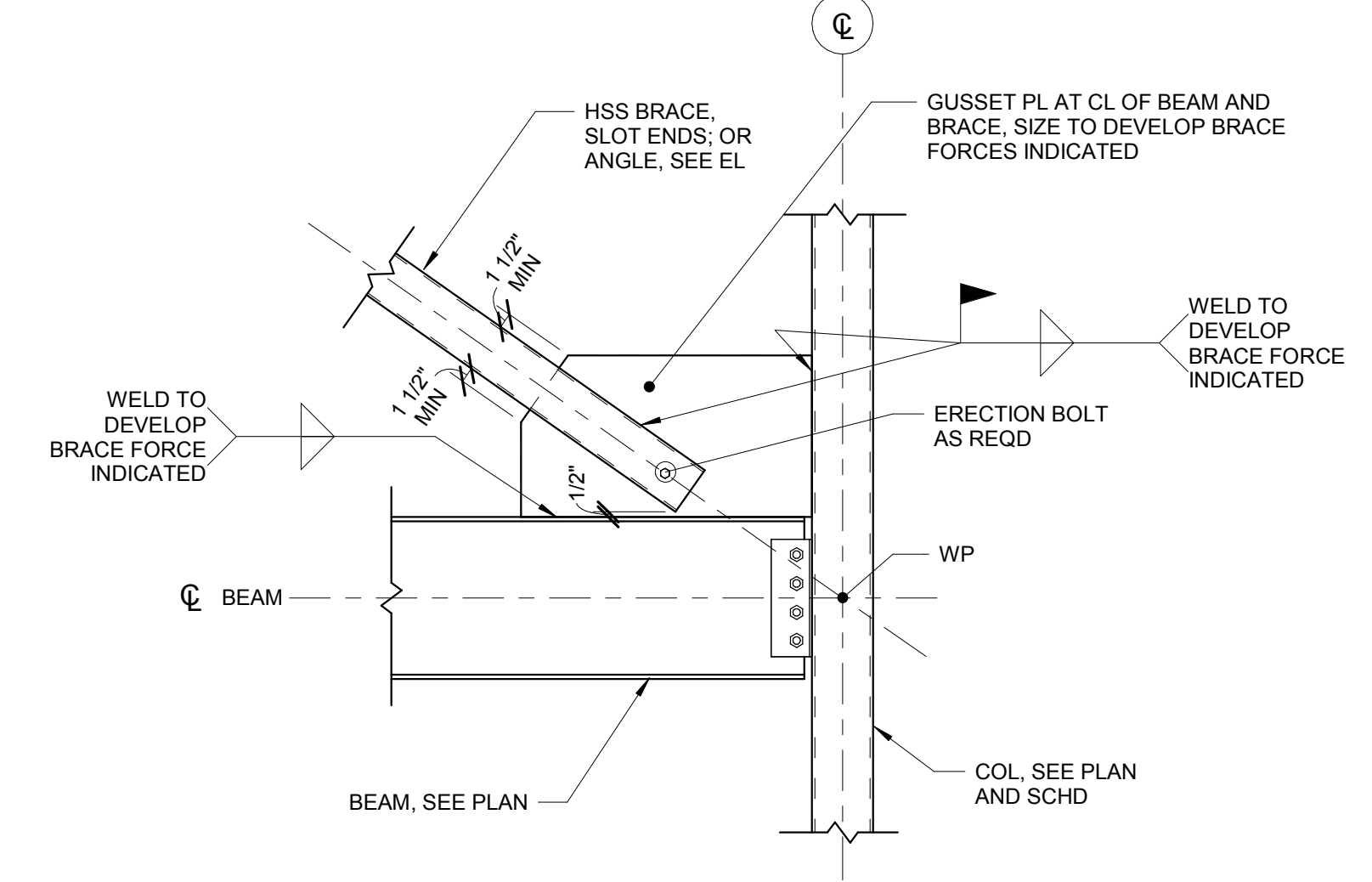
F
E
D
C
B
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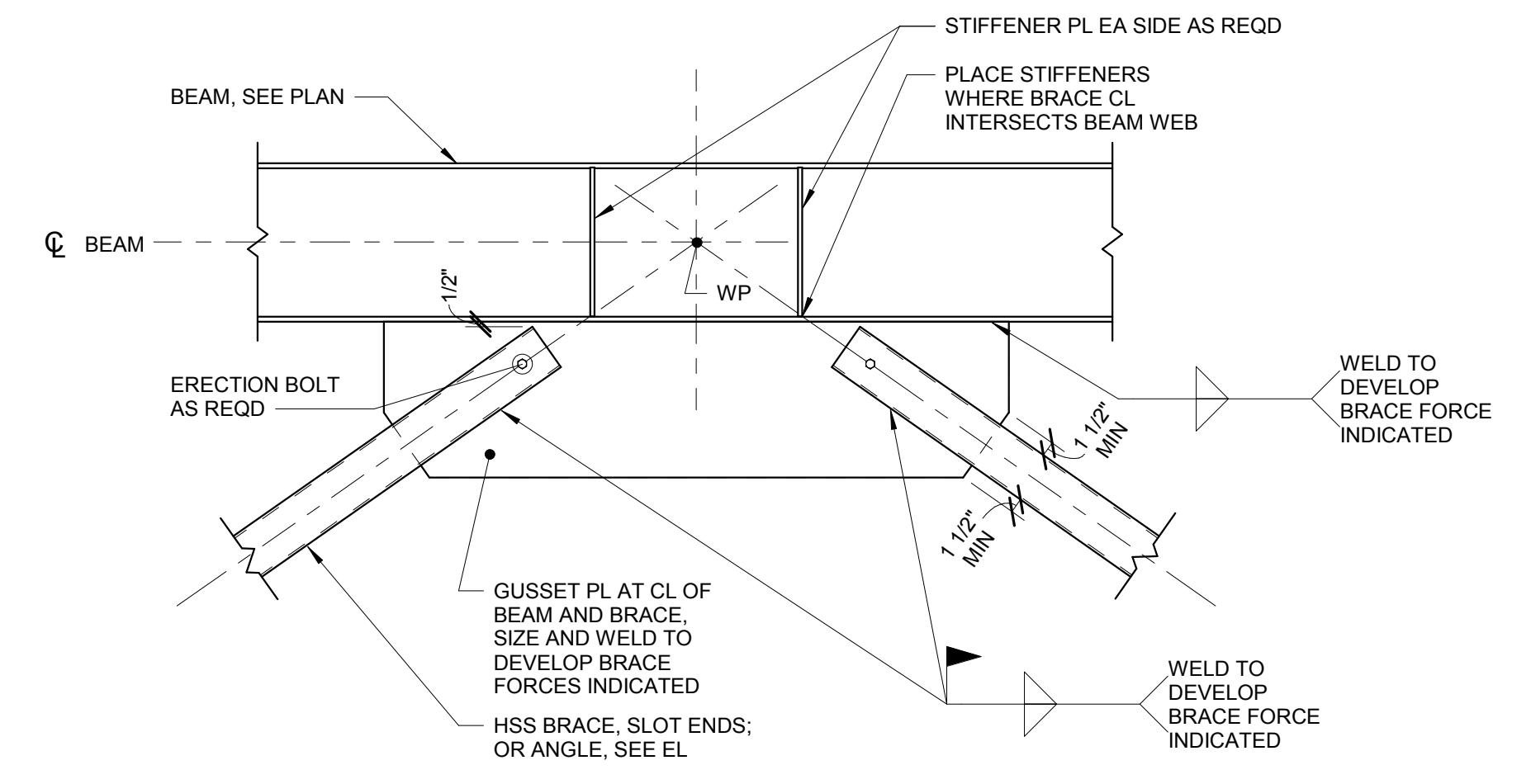
3E GUSSET CUTTING CRITERIA
S202 NOT TO SCALE



1D SECTION AT BRACED FRAME COLUMN BASE PLATE
S202 3/4" = 1'-0"



3D HSS BRACE TO BEAM BOTTOM DETAIL
S202 NOT TO SCALE



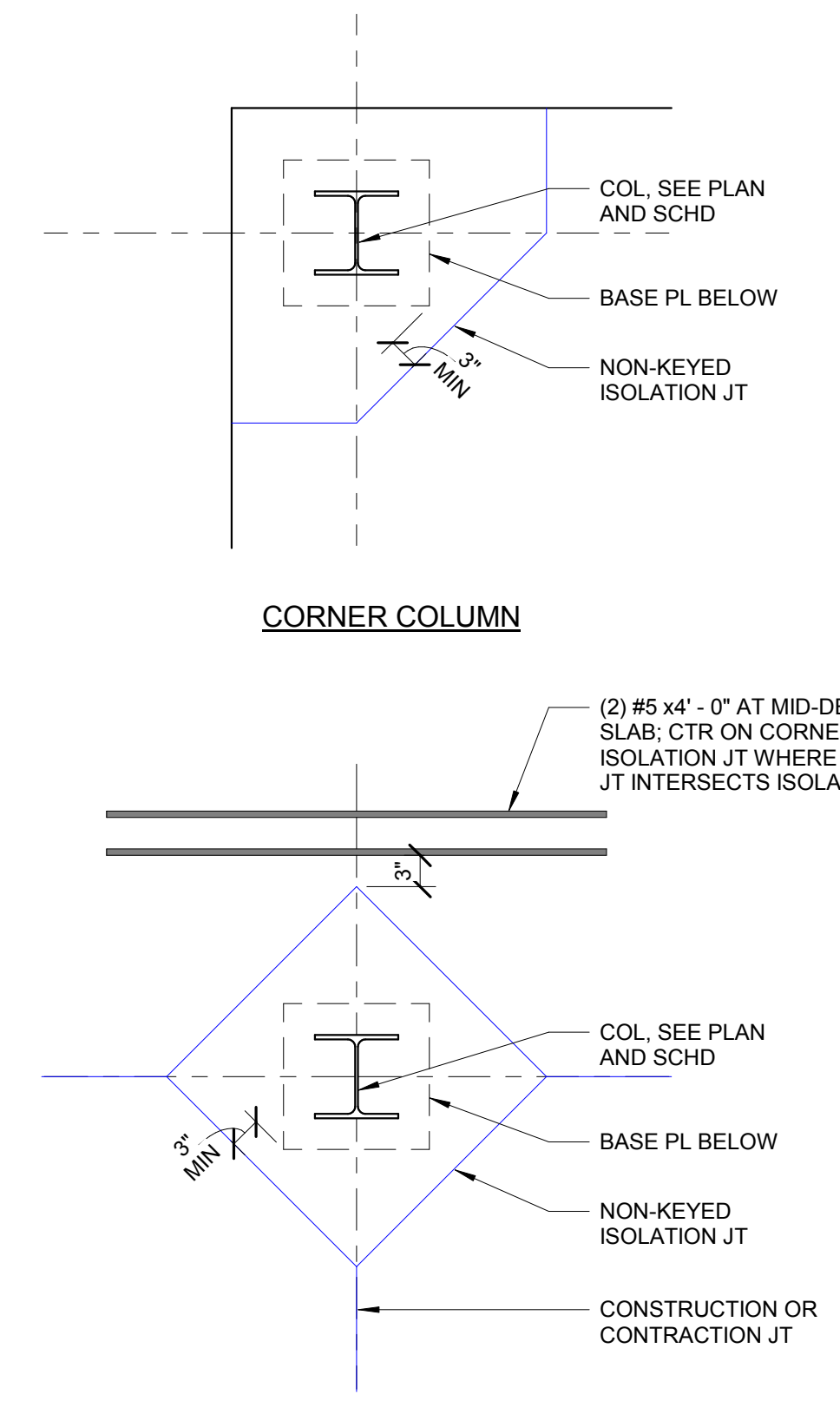
5D HSS BRACE CHEVRON TOP DETAIL
S202 NOT TO SCALE

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NO.	REASON	DATE

STEEL COLUMN SCHEDULE

HI ROOF																					HI ROOF						
214' - 4"																					214' - 4"						
ROOF																					ROOF						
203' - 10"																					203' - 10"						
LEVEL 02																					LEVEL 02						
189' - 2"																					189' - 2"						
LEVEL 01																					LEVEL 01						
172' - 6"																					172' - 6"						
Column Locations	A-3	A-4	A-5	A-6	A-7	A-8	B-3	B-4	B-5	B-6	B-7	B-8	C-1	BF-7	C-9 BF-8	C-10 BF-8	D-3	D-4.8	D-6.2	D-8	E-2 BF-7	E-9	F-1	F-2	F-3		
BASE PLATE SIZE	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x18'x18"	1'x18'x18"	1'x18'x18"	1'x18'x18"	1'x18'x18"	1'x18'x18"	1'x16'x16"	1 1/2'x20'x20"	1'x16'x16"	1'x14'x14"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1 1/2'x20'x20"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	BASE PLATE SIZE
BASE PLATE TYPE														TYPE 3	TYPE 2	TYPE 2						TYPE 3					BASE PLATE TYPE
ANCHOR BOLTS	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)1 1/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)1 1/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	ANCHOR BOLTS
EMBEDMENT LENGTH	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	22"	14"	14"	9"	9"	9"	9"	9"	14"	9"	9"	9"	9"	EMBEDMENT LENGTH



CORNER COLUMN

INTERIOR COLUMN

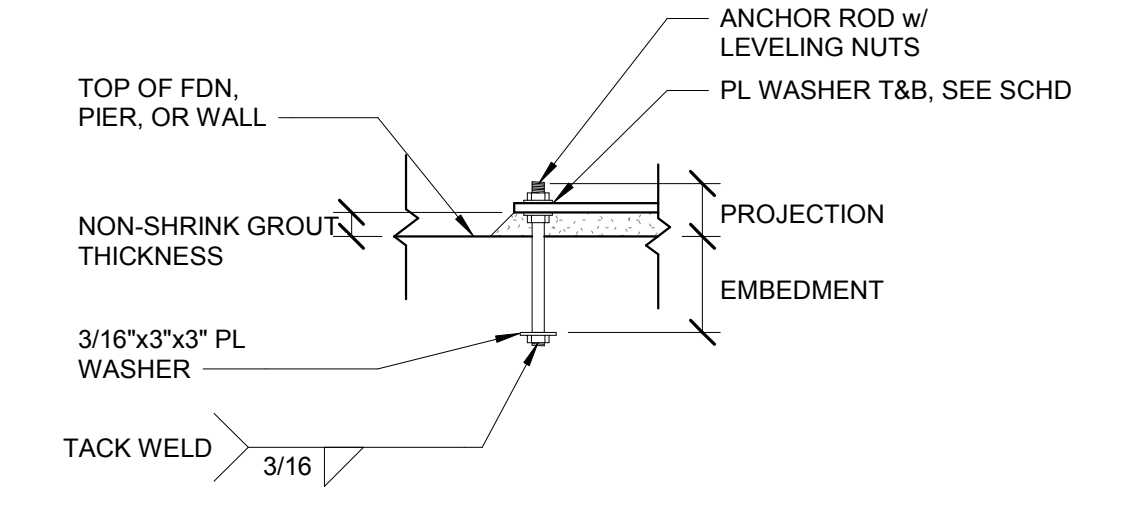
PERIMETER COLUMN

6E COLUMN ISOLATION JOINT DETAIL

S301 3/4" = 1'-0"
NOTES:
1. POUR CONCRETE FILL AROUND COLUMN AFTER BASE PLATE HAS BEEN GROUTED.

STEEL COLUMN SCHEDULE

HI ROOF																					HI ROOF						
214' - 4"																					214' - 4"						
ROOF																					ROOF						
203' - 10"																					203' - 10"						
LEVEL 02																					LEVEL 02						
189' - 2"																					189' - 2"						
LEVEL 01																					LEVEL 01						
172' - 6"																					172' - 6"						
Column Locations	F-4.8	F-6.2	F-8	F-9	BF-6	BF-5	G-2 BF-5	G-3	G-4.8	G-6.2	G-8	G-9	BF-6	H-1	H-2	J-3	J-4.8	J-6.2	J-8	J-9	J-10	K-1	K-2	K-3	K-8		
BASE PLATE SIZE	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1 1/2'x20'x20"	1 1/2'x20'x20"	1 1/2'x20'x20"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1 1/2'x20'x20"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	BASE PLATE SIZE
BASE PLATE TYPE					TYPE 3	TYPE 3	TYPE 3						TYPE 3														BASE PLATE TYPE
ANCHOR BOLTS	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)1"Ø	(4)1 1/4"Ø	(4)1 1/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)1"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	ANCHOR BOLTS
EMBEDMENT LENGTH	9"	9"	9"	9"	22"	22"	14"	9"	9"	9"	9"	9"	22"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	EMBEDMENT LENGTH

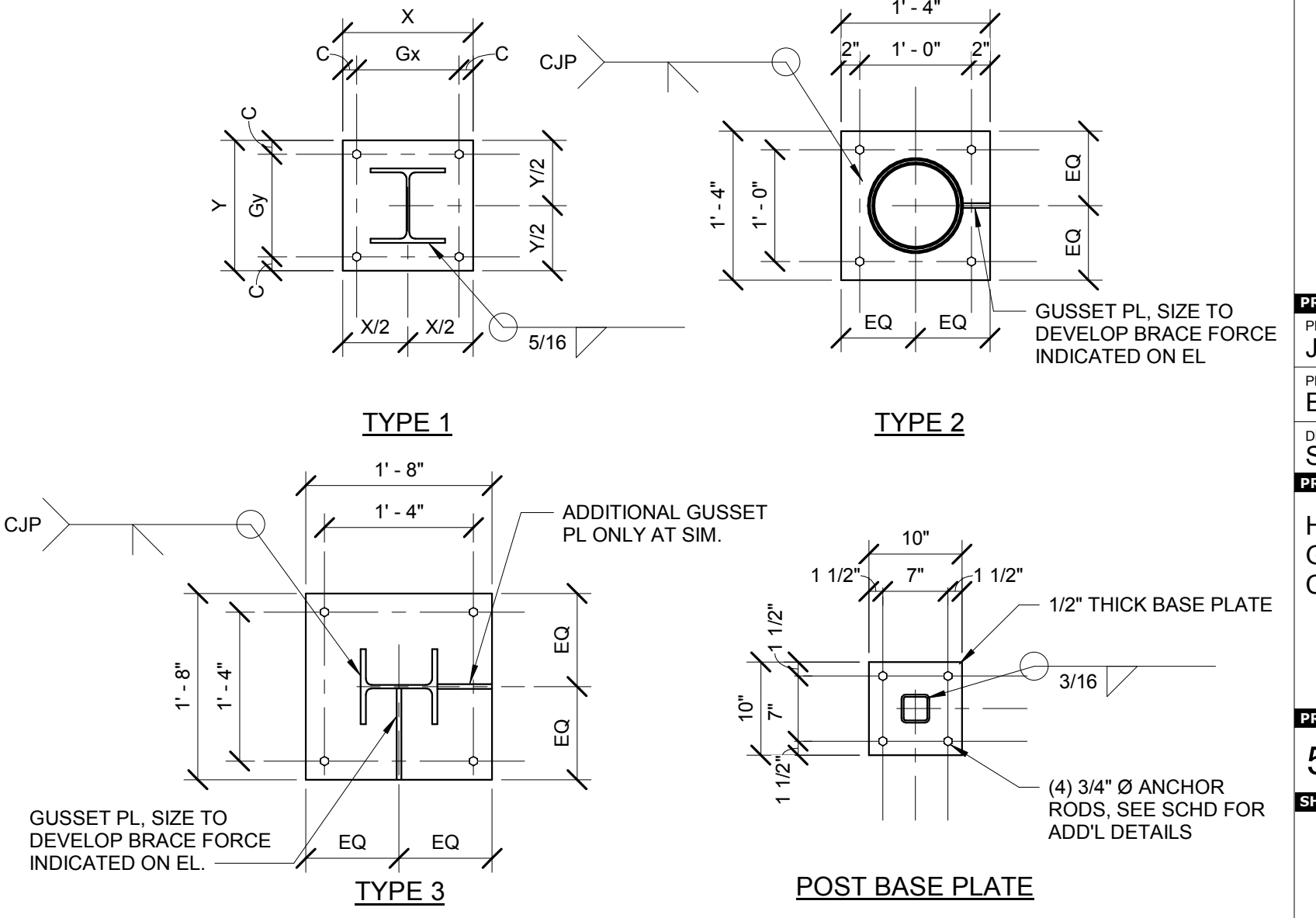


ANCHOR ROD SCHEDULE

BOLT SIZE	3/4"Ø	1"Ø	1 1/4"Ø	1 1/2"Ø
DIMENSION "C"	1 1/2"	2"	2"	3"
SQUARE PL WASHER SIZE	1/4" x 2"	3/8" x 3"	1/2" x 3"	1/2" x 3 1/2"
GROUT THICKNESS	2"	2"	2"	3"

STEEL COLUMN SCHEDULE

HI ROOF																					HI ROOF					
214' - 4"																					214' - 4"					
ROOF																					ROOF					
203' - 10"																					203' - 10"					
LEVEL 02																					LEVEL 02					
189' - 2"																					189' - 2"					
LEVEL 01																					LEVEL 01					
172' - 6"																					172' - 6"					
Column Locations	K-9 BF-4	BF-4	BF-1	L-2 BF-1/BF-2	L-3	L-4.8	L-6.2	L-8	L-9 BF-3	L-10	M-1	BF-2	BF-3	M-10	N-3	N-5	N-6	N-8	P-3	P-4	P-5	P-6	P-7	P-8		
BASE PLATE SIZE	1 1/2'x20'x20"	1 1/2'x20'x20"	1 1/2'x20'x20"	1 1/2'x20'x20"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1 1/2'x20'x20"	1 1/2'x20'x20"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	1'x16'x16"	BASE PLATE SIZE
BASE PLATE TYPE	TYPE 3	TYPE 3	TYPE 3	TYPE 3 - SIM					TYPE 3	TYPE 3																BASE PLATE TYPE
ANCHOR BOLTS	(4)1"Ø	(4)1"Ø	(4)1"Ø	(4)1 1/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)1"Ø	(4)1"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	(4)3/4"Ø	ANCHOR BOLTS
EMBEDMENT LENGTH	14"	22"	22"	14"	9"	9"	9"	9"	14"	9"	9"	22"	22"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	EMBEDMENT LENGTH

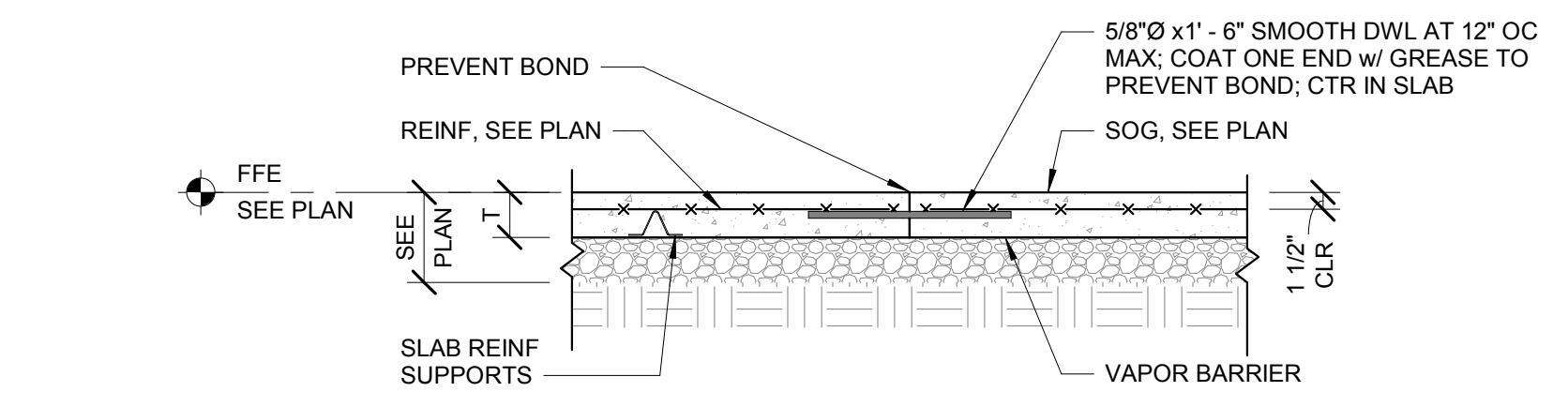


6A BASE PLATE AND ANCHOR ROD SCHEDULE

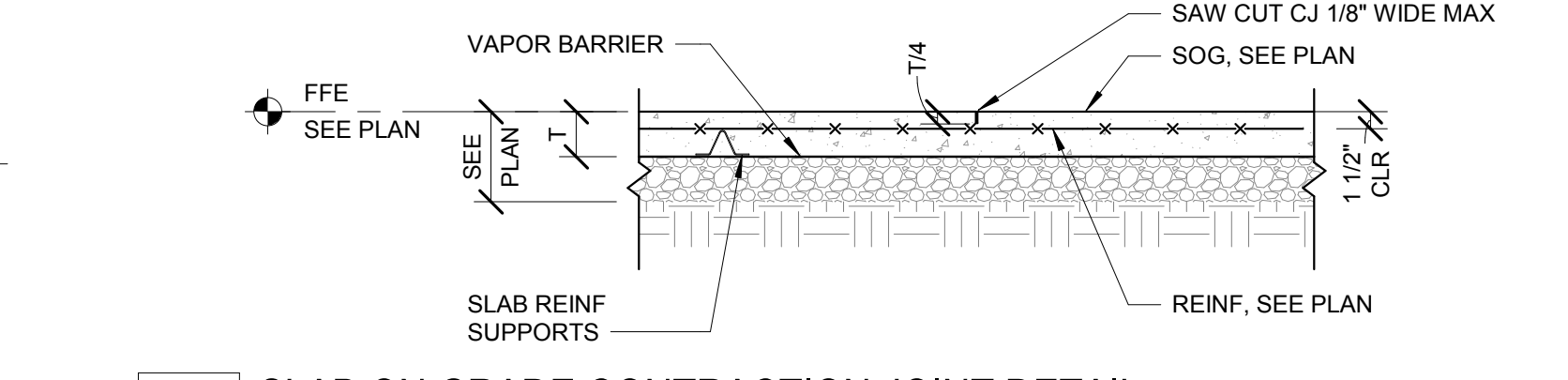
NOT TO SCALE
NOTES:
1. WELDS MAY BE OMITTED AT COLUMN FLANGE TOES AND RADI.
2. SEE GENERAL NOTES FOR ANCHOR ROD MATERIAL.

SPREAD FOOTING SCHEDULE

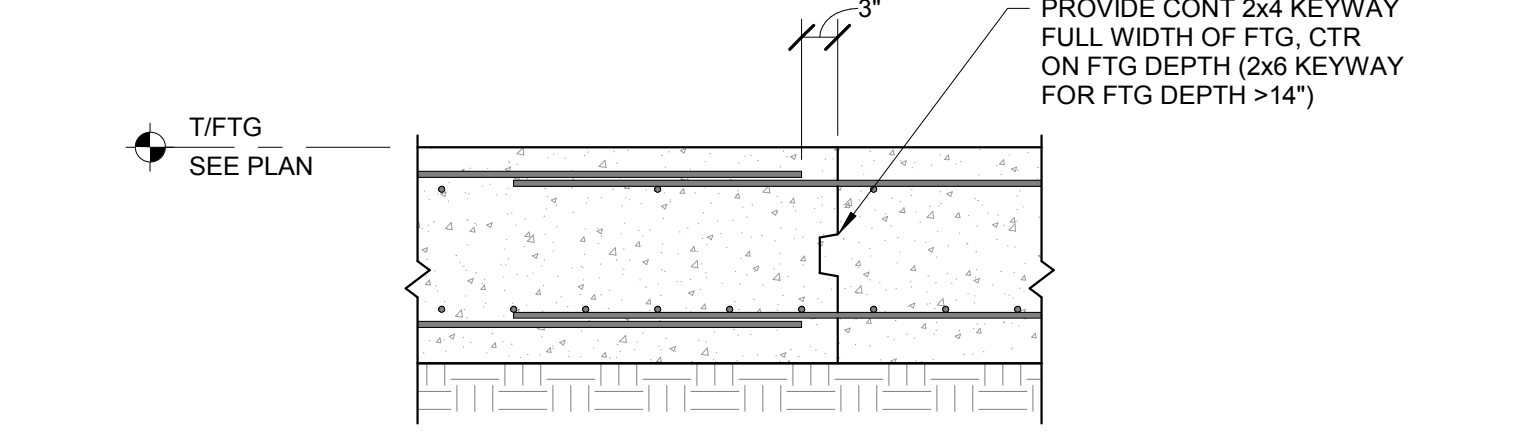
MARK	SIZE			REINFORCEMENT (EACH WAY)	
	WIDTH	LENGTH	DEPTH	TOP	BOTTOM
F3	3'-0"	3'-0"	1'-0"	NA	(4) #5
F3.8	3'-0"	8'-0"	1'-0"	#5 AT 12" OC	#5 AT 12" OC
F4	4'-0"	4'-0"	1'-0"	NA	(5) #5
F5	5'-0"	5'-0"	1'-0"	NA	(6) #5
F6	6'-0"	6'-0"	1'-0"	NA	(7) #5
F7	7'-0"	7'-0"	1'-3"	NA	(8) #7
F8	8'-0"	8'-0"	1'-3"	NA	(9) #7
F9	9'-0"	9'-0"	1'-3"	NA	(10) #5
F10	10'-0"	10'-0"	1'-3"	NA	(9) #6
F11	11'-0"	11'-0"	1'-6"	(8) #6	(10) #6
F12	12'-0"	12'-0"	2'-0"	(13) #7	(13) #7
F13	13'-0"	13'-0"	2'-0"	(10) #6	(12) #7



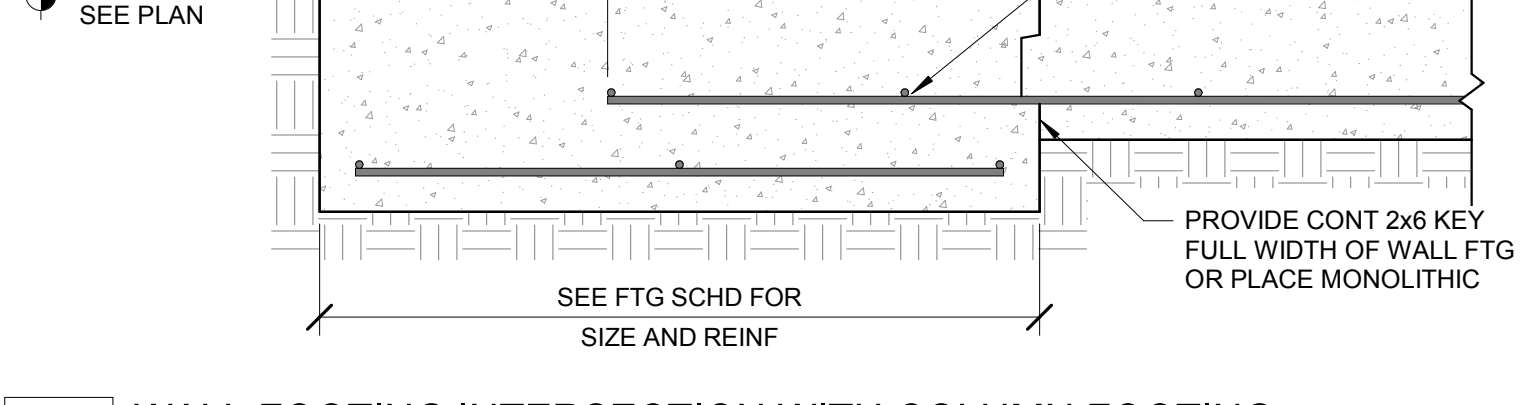
1F SLAB ON GRADE CONSTRUCTION JOINT DETAIL
S302 3/4" = 1'-0"
NOTES:
1. DO NOT RUN WWF THROUGH CONSTRUCTION JOINT.



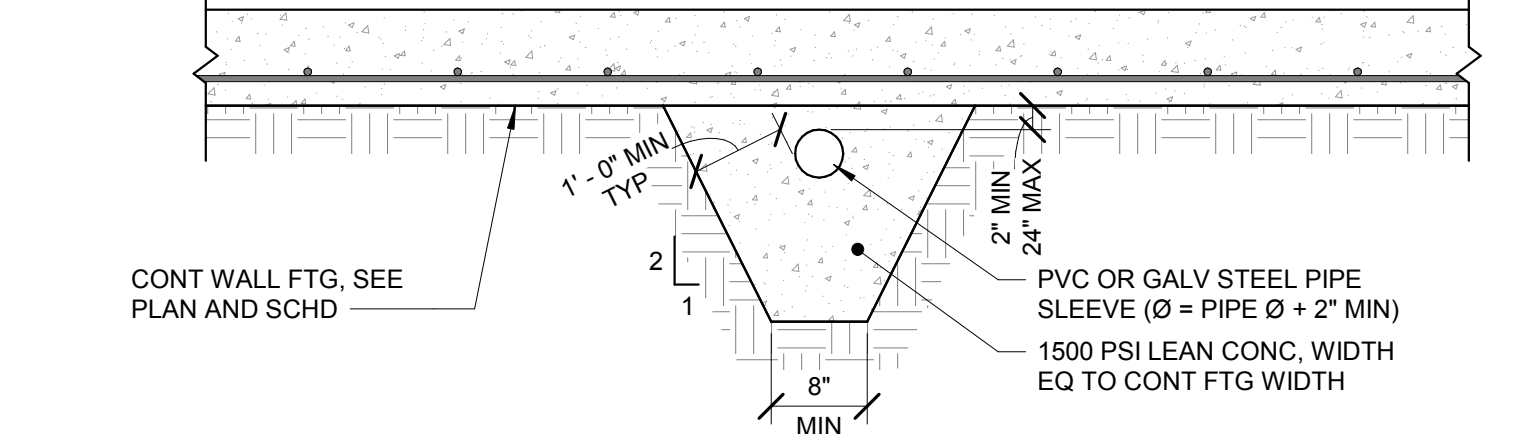
1E SLAB ON GRADE CONTRACTION JOINT DETAIL
S302 3/4" = 1'-0"
NOTES:
1. CUT EVERY OTHER WIRE WHERE CONTRACTION JOINTS ARE TO BE CUT.
2. SAW CUT SLAB WITHIN 8 HOURS OF CONCRETE POUR.



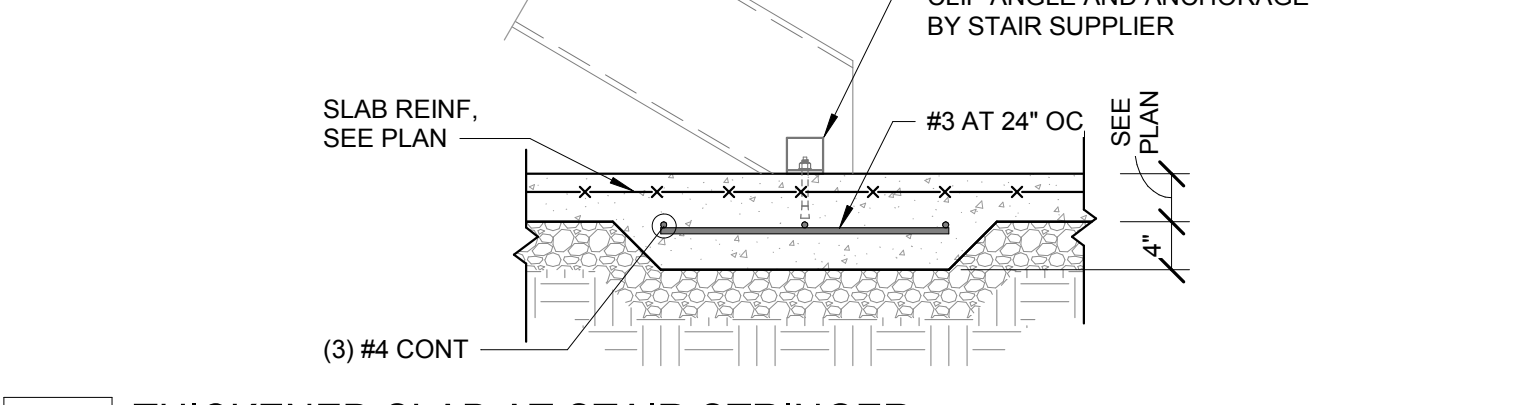
3F CONTINUOUS FOOTING CONSTRUCTION JOINT DETAIL
S302 3/4" = 1'-0"



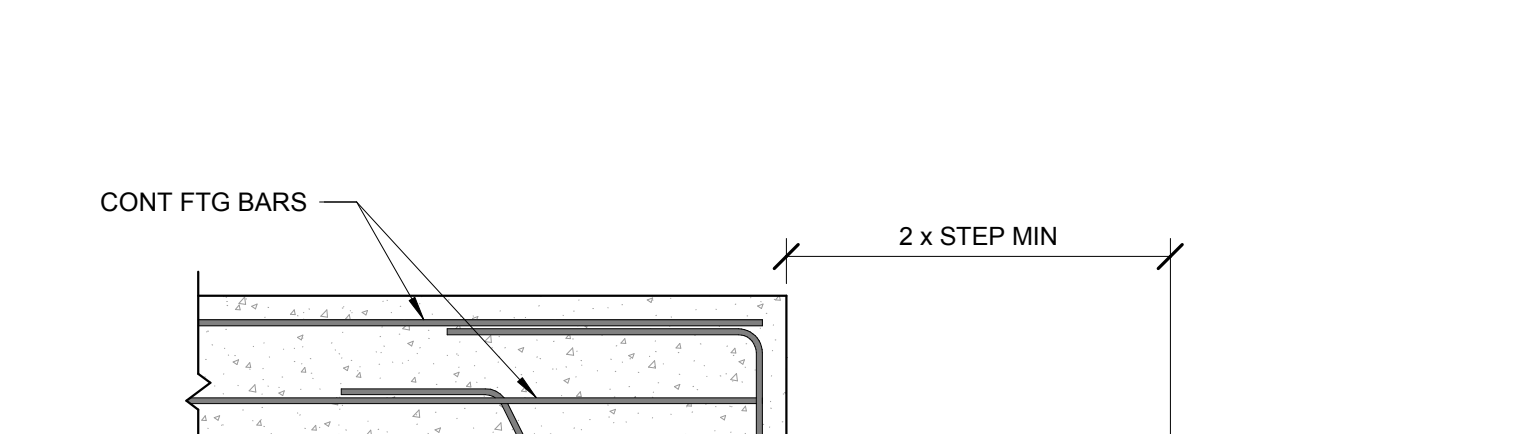
3E WALL FOOTING INTERSECTION WITH COLUMN FOOTING
S302 3/4" = 1'-0"



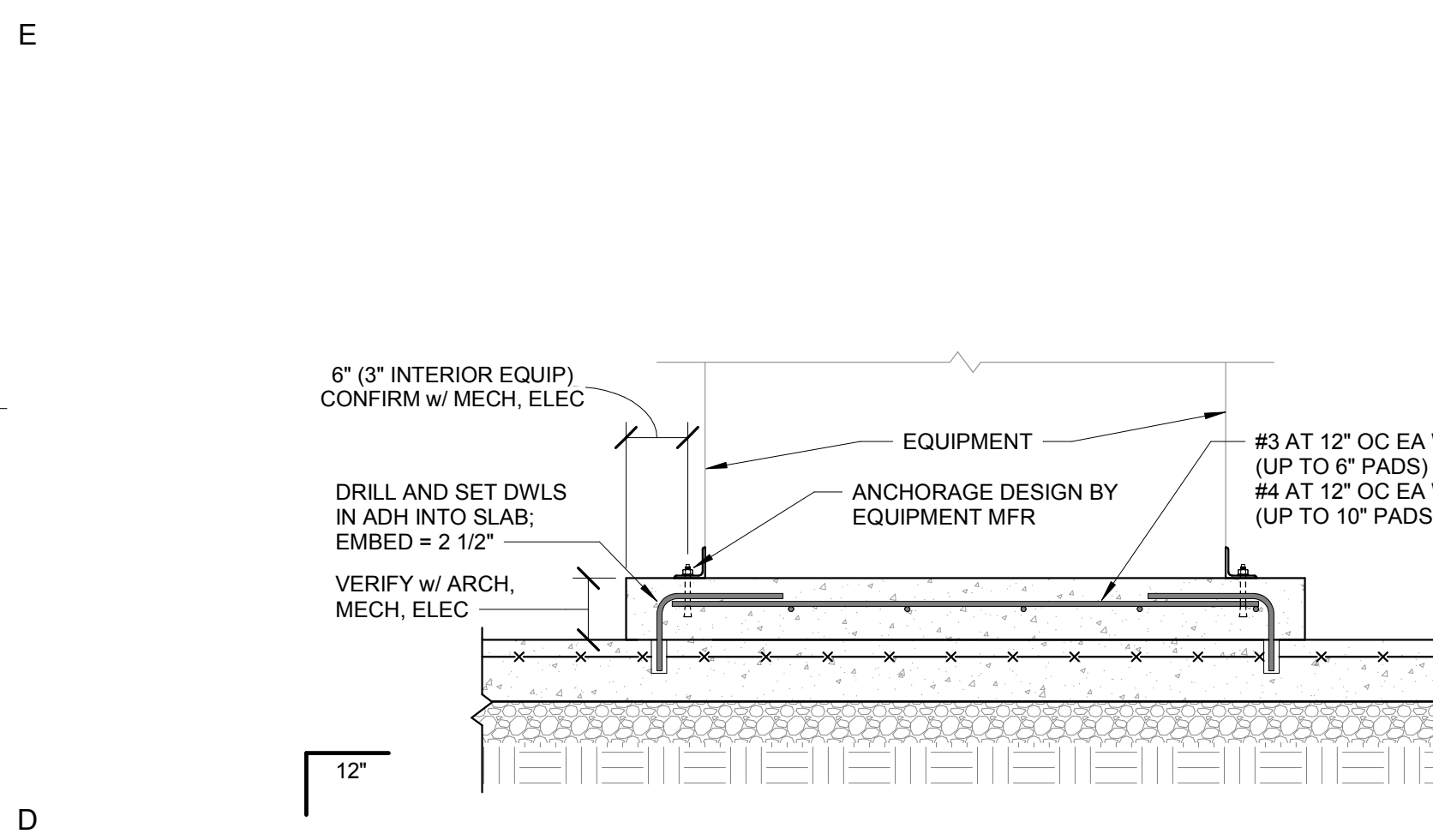
4F TYPICAL PIPE SLEEVE BENEATH FOOTING
S302 3/4" = 1'-0"



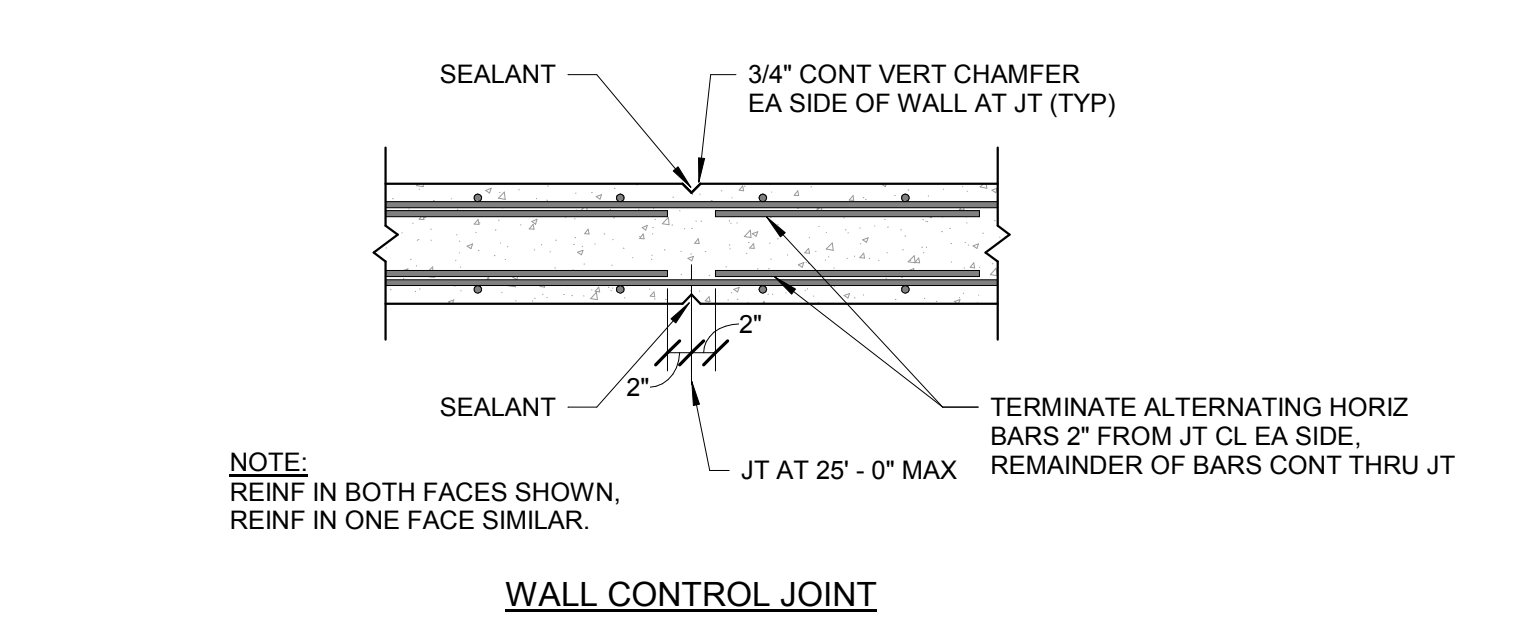
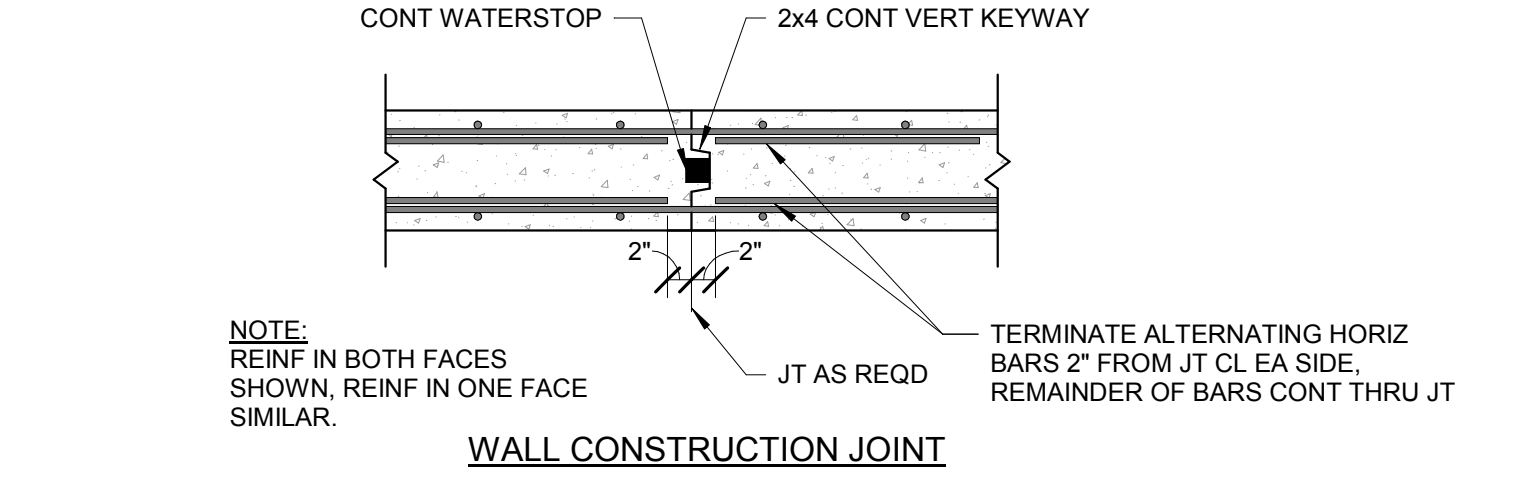
4E THICKENED SLAB AT STAIR STRINGER
S302 3/4" = 1'-0"
NOTES:
1. EXTEND THICKENED SLAB BETWEEN STAIR AND STRINGERS AND 1'-0" BEYOND EACH SIDE.



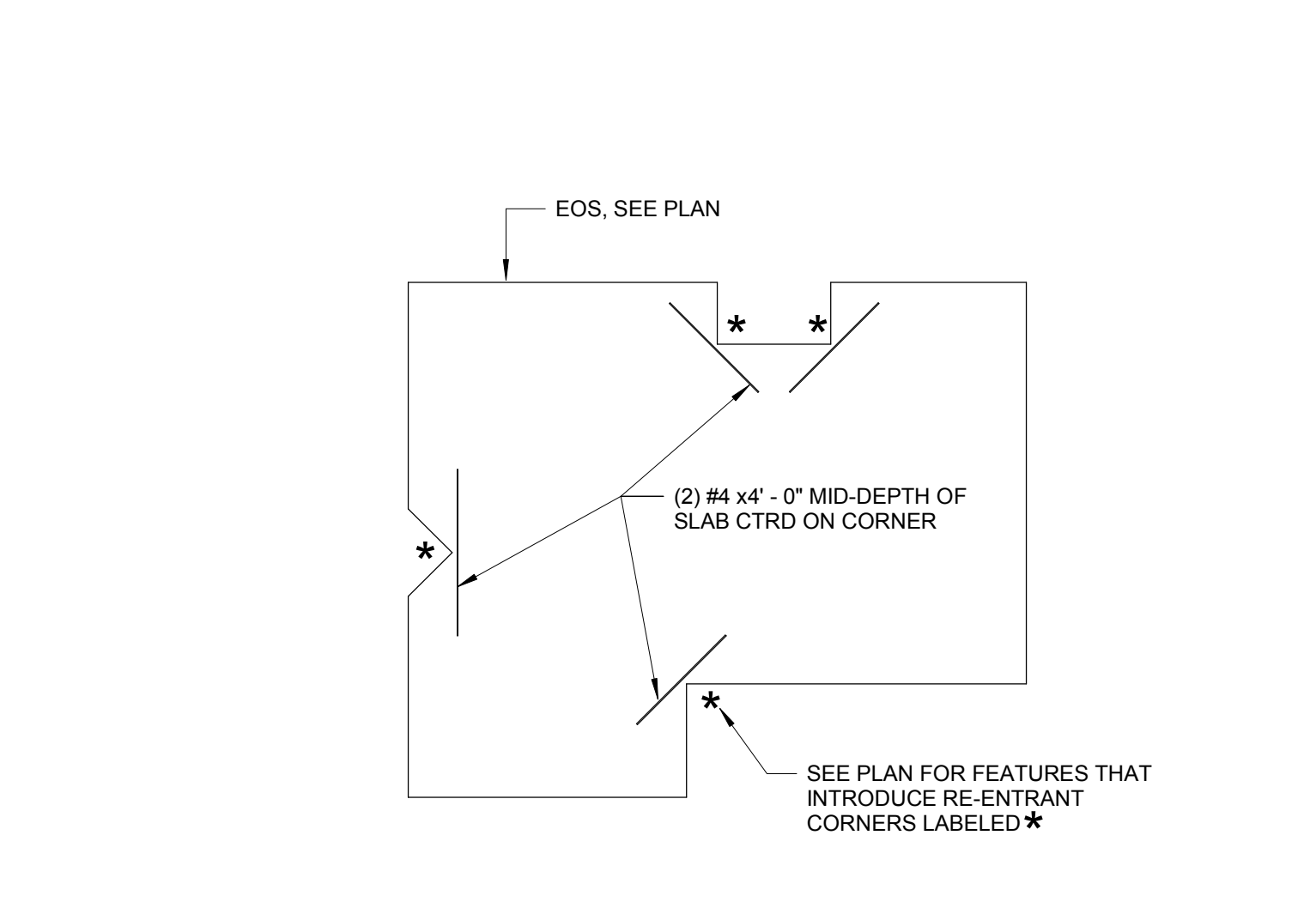
6E TYPICAL FOOTING STEP DETAIL
S302 3/4" = 1'-0"
NOTES:
1. GENERAL CONTRACTOR TO COORDINATE / VERIFY THE LOCATION OF FOOTING STEPS WITH THE FINISHED GRADING PLAN.
2. PROVIDE 1'-4" MINIMUM COVER ABOVE TOP OF FOOTING.
3. ADDED BARS TO BE THE SAME SIZE AND QUANTITY AS CONTINUOUS BARS.



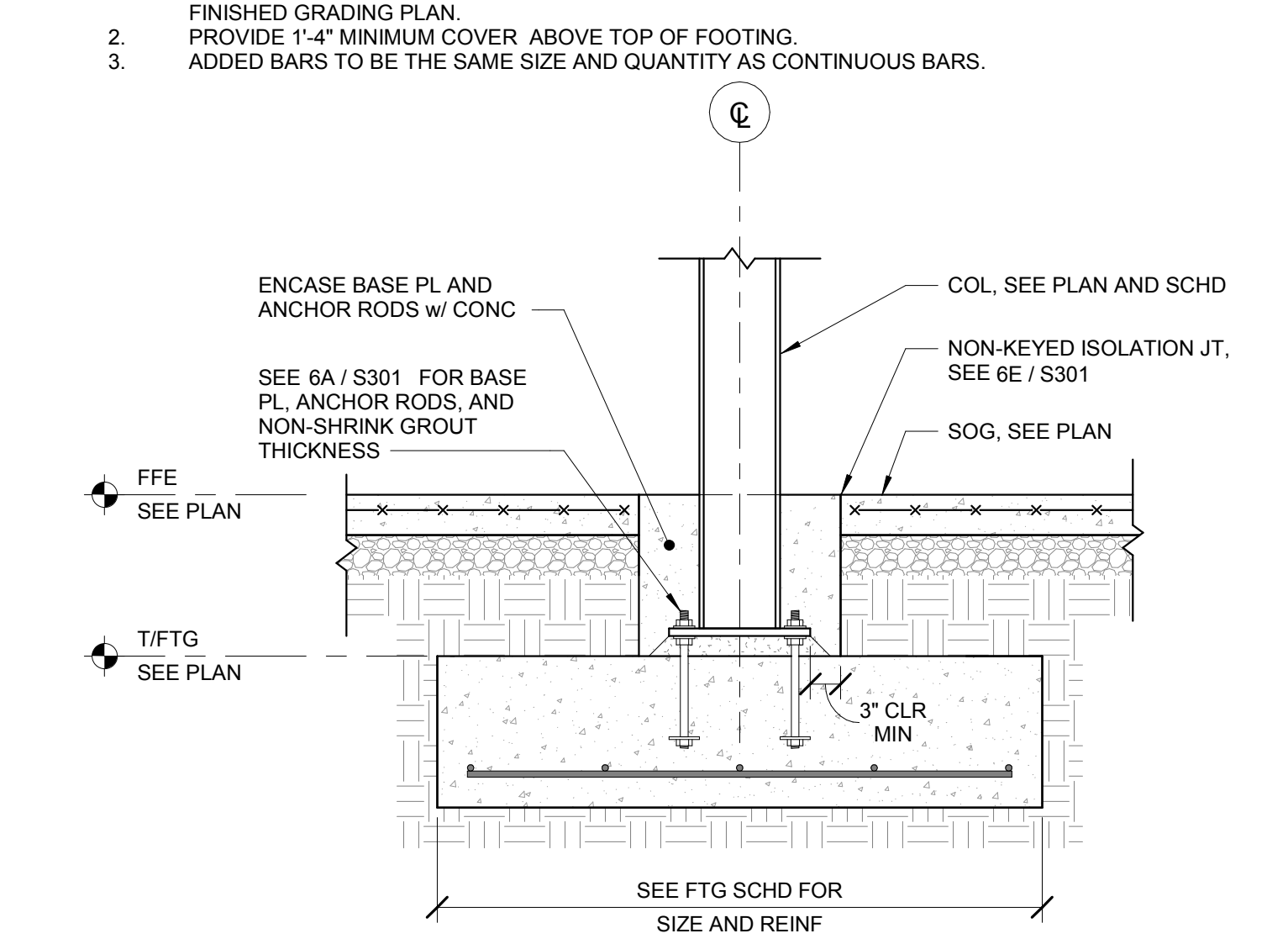
1D EQUIPMENT HOUSEKEEPING PAD
S302 NOT TO SCALE



3D WALL CONSTRUCTION AND CONTROL JOINT DETAILS
S302 NOT TO SCALE



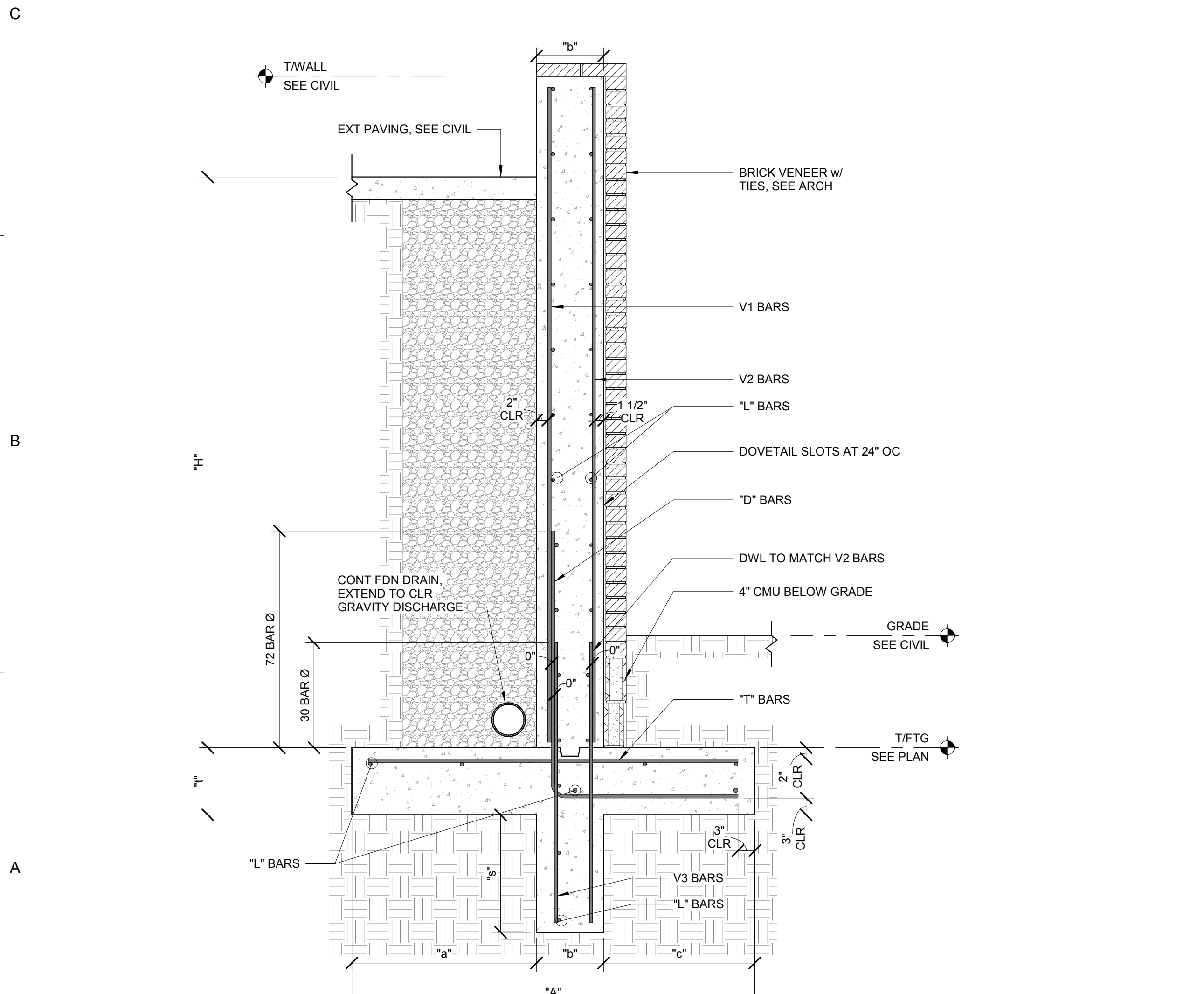
4D SLAB RE-ENTRANT CORNER REINFORCING
S302 NOT TO SCALE
NOTES:
1. WHERE SLAB CONTRACTION JOINT INTERSECTS RE-ENTRANT CORNER ADDED SLAB REINFORCING IS NOT REQUIRED. SEE PLAN FOR JOINT LOCATIONS.



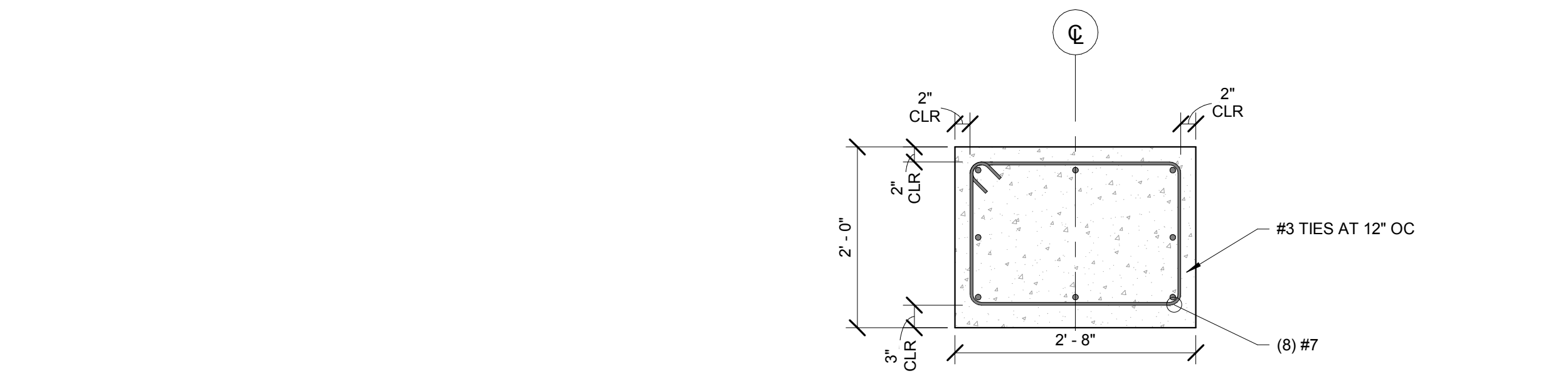
6D INTERIOR COLUMN FOOTING DETAIL
S302 NOT TO SCALE

CONCRETE RETAINING WALL SCHEDULE												
WALL HEIGHT "H"	BASE WIDTH "A"	HEEL WIDTH "a"	WALL THICK "b"	TOE WIDTH "c"	FOOTING DEPTH "d"	STEM LENGTH "e"	BAR SIZE AND SPACING					
							V1	V2	V3	"D"	"L"	"T"
6'-0"	3'-3"	1'-7"	1'-0"	1'-0"	1'-0"	N/A	#4 AT 18"	#4 AT 18"	N/A	#4 AT 18"	#4 AT 12"	#5 AT 18"
8'-0"	4'-3"	2'-1"	1'-0"	1'-6"	1'-0"	N/A	#4 AT 18"	#4 AT 18"	N/A	#5 AT 18"	#4 AT 12"	#5 AT 18"
10'-0"	5'-6"	2'-6"	1'-0"	2'-0"	1'-0"	1'-8"	#5 AT 18"	#5 AT 18"	#5 AT 18"	#6 AT 9"	#5 AT 12"	#5 AT 9"
12'-6"	7'-3"	3'-3"	1'-0"	3'-0"	1'-6"	1'-8"	#5 AT 18"	#5 AT 18"	#5 AT 18"	#7 AT 9"	#5 AT 12"	#5 AT 9"

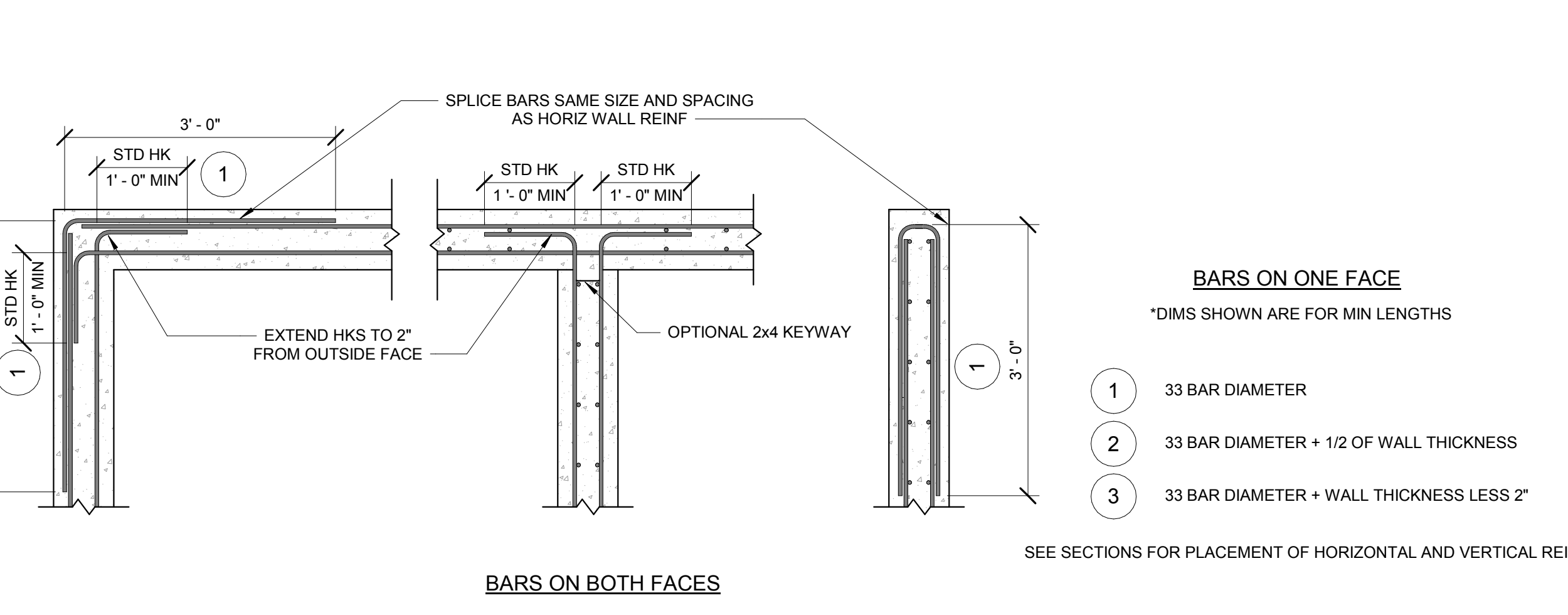
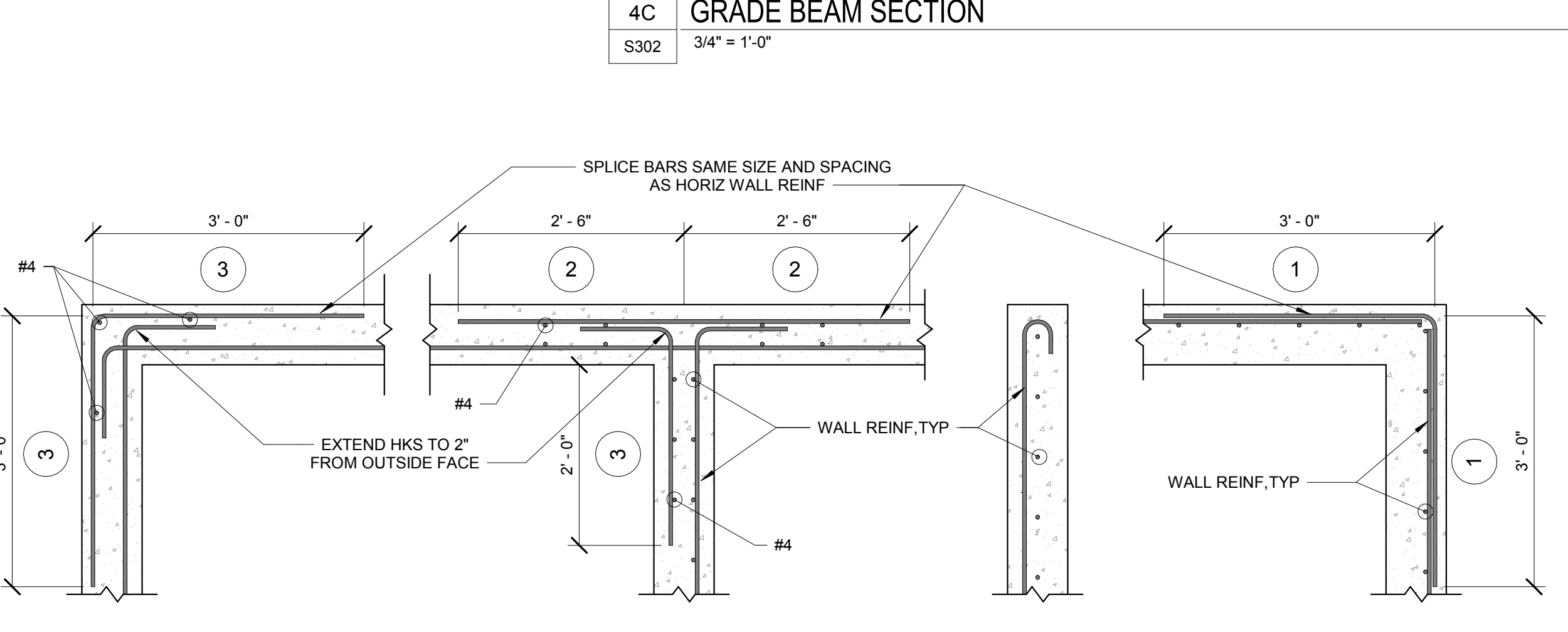
COORDINATE WALL LOCATIONS AND GRADE ELEVATIONS WITH CIVIL DRAWINGS



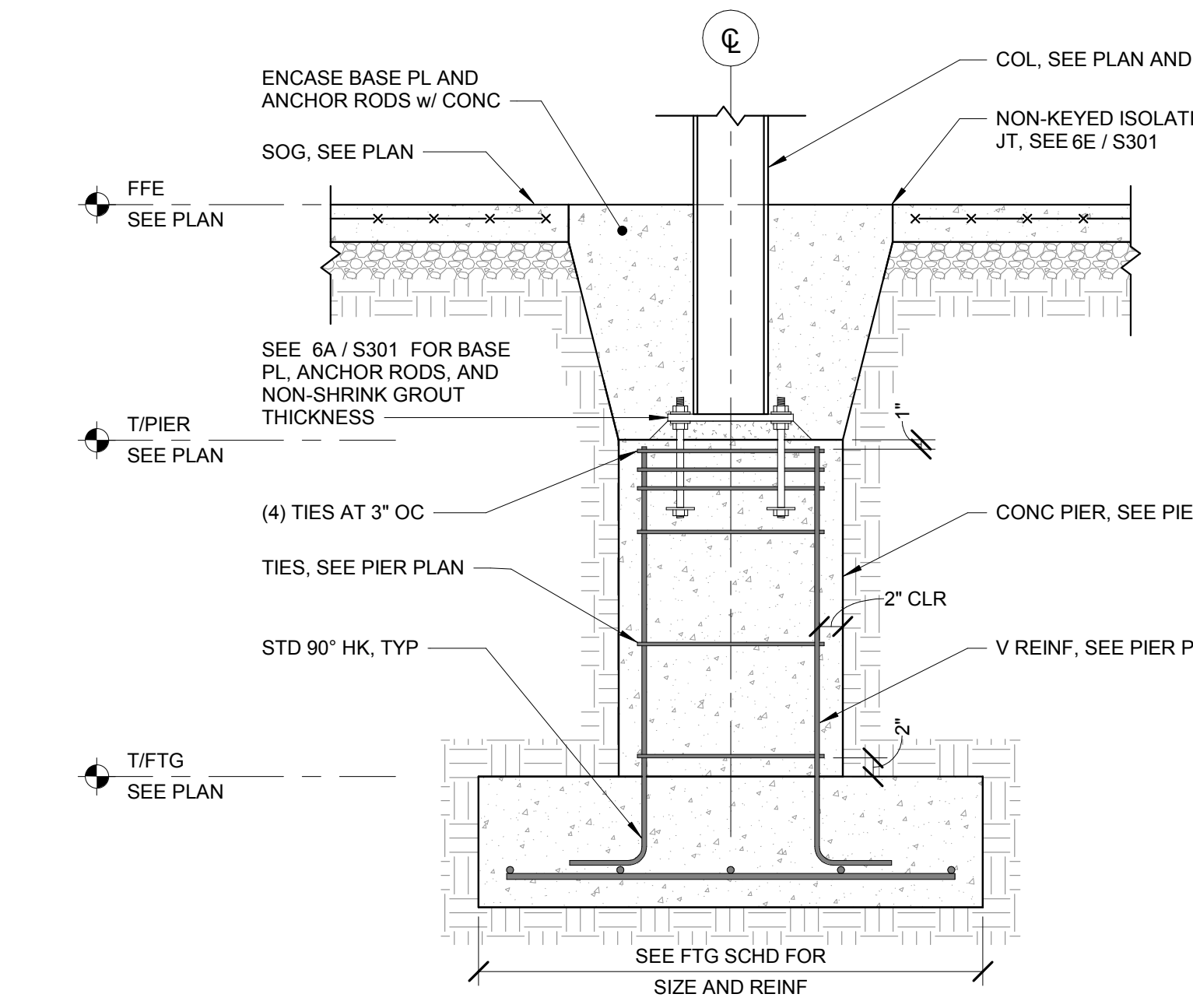
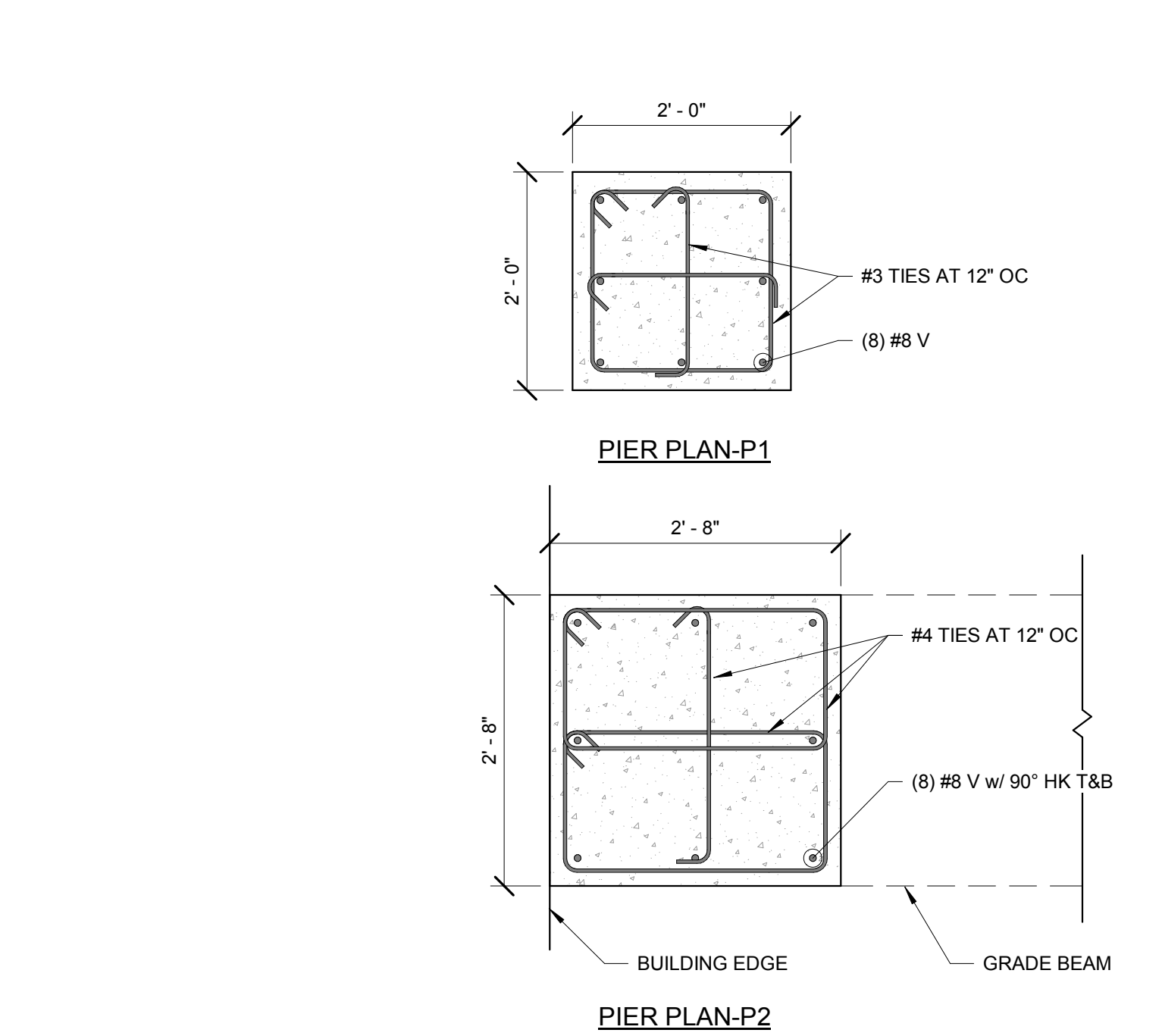
1A SITE RETAINING WALLS
S302 NOT TO SCALE
NOTES:
1. PROVIDE CONTROL JOINTS AT 25'-0" AND CONSTRUCTION JOINTS AT 50'-0" OC PER 3D / S302.



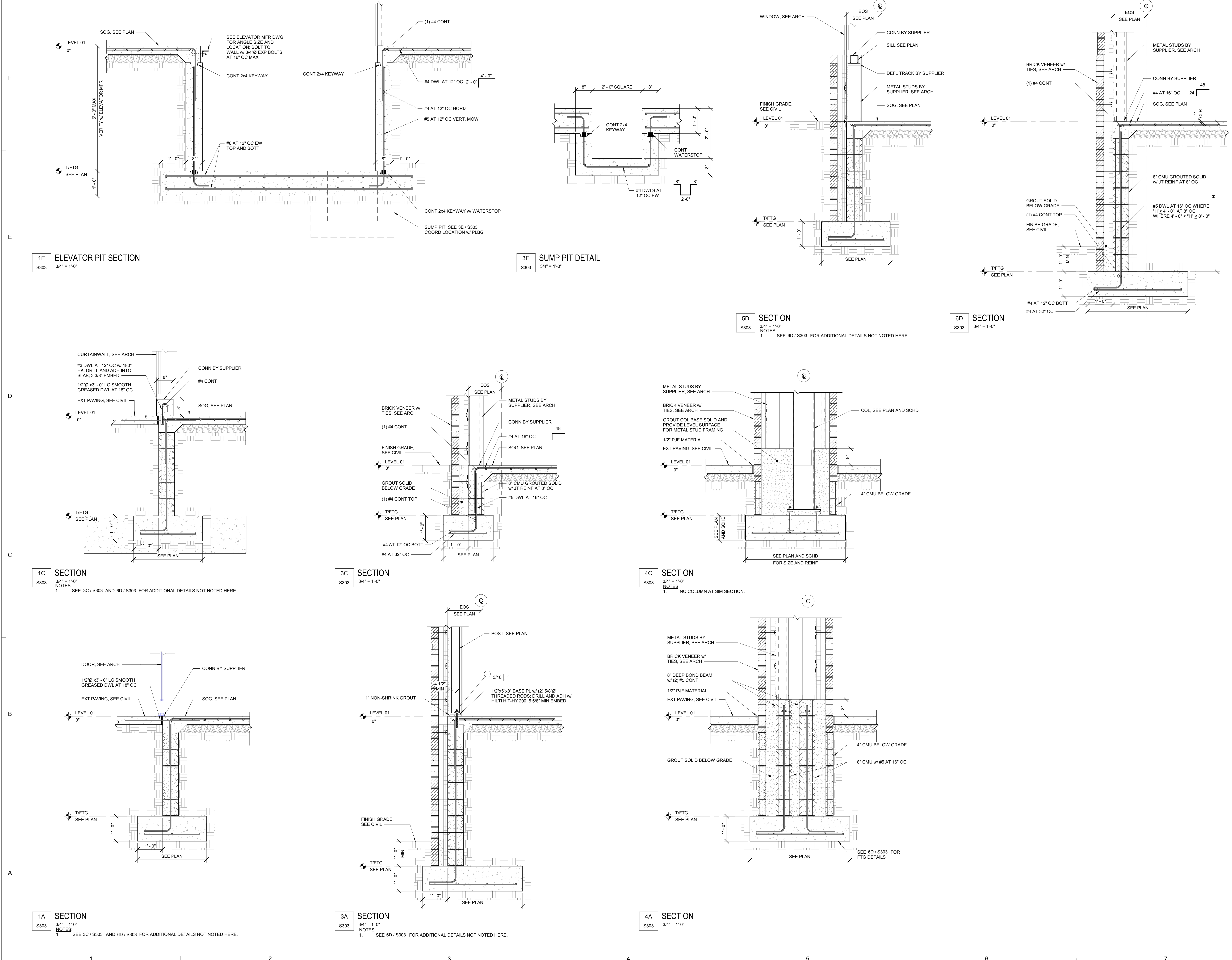
4C GRADE BEAM SECTION
S302 3/4" = 1'-0"



3A WALL CORNER AND INTERSECTION DETAILS
S302 NOT TO SCALE



6A TYPICAL COLUMN PIER ON FOOTING DETAIL
S302 3/4" = 1'-0"



1E ELEVATOR PIT SECTION
S303 3/4" = 1'-0"

3E SUMP PIT DETAIL
S303 3/4" = 1'-0"

5D SECTION
S303 3/4" = 1'-0"
NOTES:
1. SEE 6D / S303 FOR ADDITIONAL DETAILS NOT NOTED HERE.

6D SECTION
S303 3/4" = 1'-0"

1C SECTION
S303 3/4" = 1'-0"
NOTES:
1. SEE 3C / S303 AND 6D / S303 FOR ADDITIONAL DETAILS NOT NOTED HERE.

3C SECTION
S303 3/4" = 1'-0"

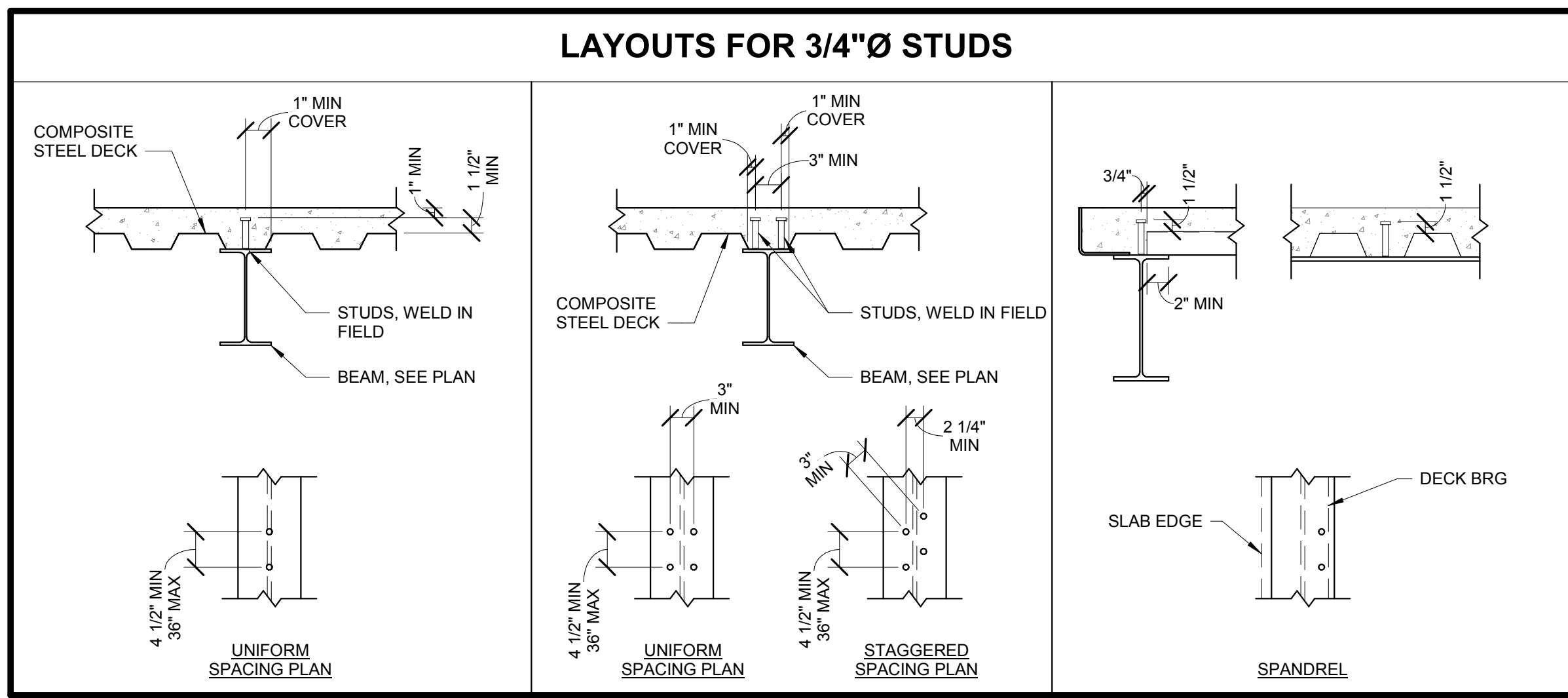
4C SECTION
S303 3/4" = 1'-0"
NOTES:
1. NO COLUMN AT SIM SECTION.

1A SECTION
S303 3/4" = 1'-0"
NOTES:
1. SEE 3C / S303 AND 6D / S303 FOR ADDITIONAL DETAILS NOT NOTED HERE.

3A SECTION
S303 3/4" = 1'-0"
NOTES:
1. SEE 6D / S303 FOR ADDITIONAL DETAILS NOT NOTED HERE.

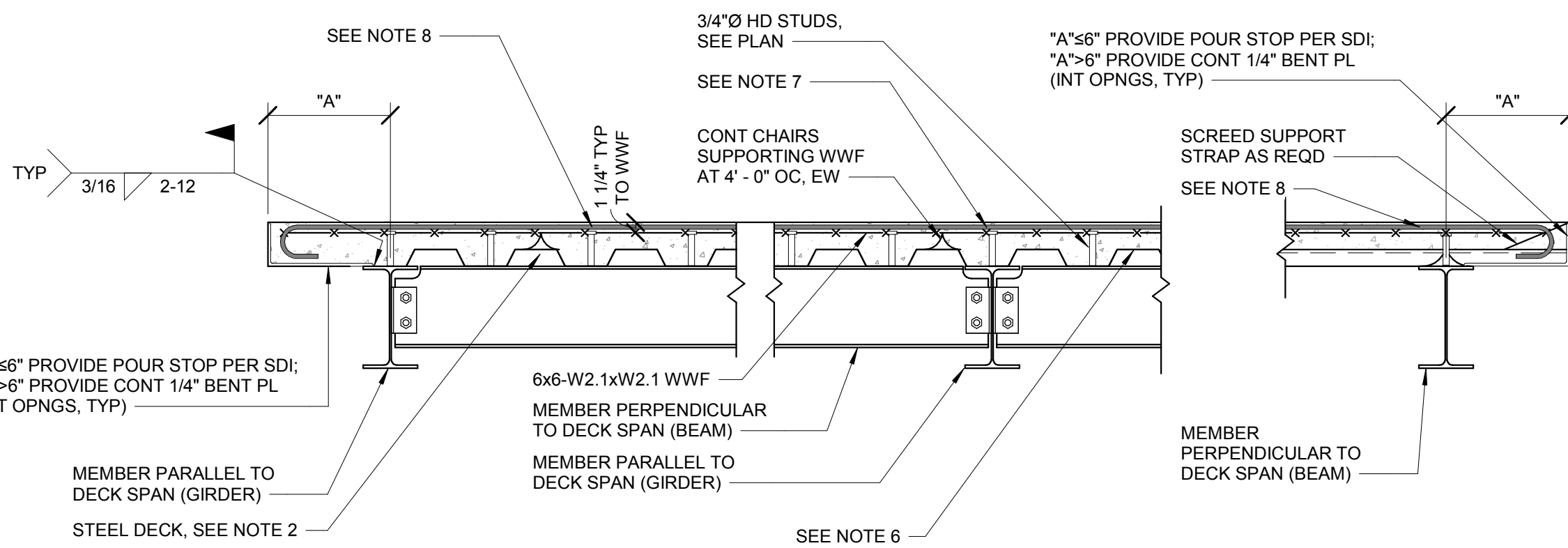
4A SECTION
S303 3/4" = 1'-0"

NO.	REASON	DATE



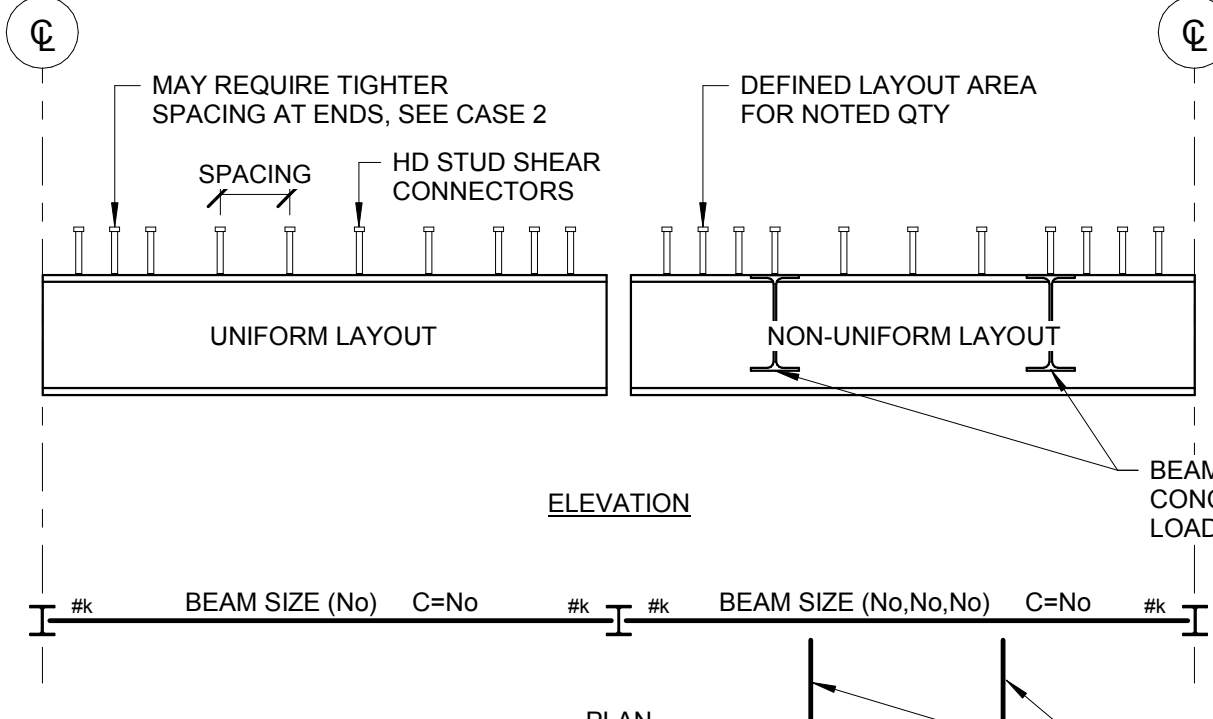
STUD CLEARANCES AND SPACING

- NOTES:
1. WHEN DOUBLE ROW OF STUDS IS REQUIRED, USE A STAGGERED PATTERN IF SPACING PERMITS. SEE UNIFORM AND STAGGERED SPACING PLANS.



COMPOSITE FLOOR CONSTRUCTION DETAIL

- NOTES:
1. THIS DETAIL APPLIES TO DECK SUPPORTED COMPOSITE SLABS, AS INDICATED ON PLANS. SEE GENERAL NOTES FOR ADDITIONAL DETAILS.
2. MINIMUM STEEL DECK PROPERTIES: 2'-20 GAGE COMPOSITE DECK WITH I_p=0.409 in⁴/ft, I_x=0.406 in⁴/ft, S_x=0.341 in³/ft, S_y=0.346 in³/ft, AND F_y=50 ksi.
3. WELD DECK TO SUPPORTS PER FLOOR DECKING ATTACHMENT DETAIL.
4. SUPPORT DECK AROUND COLUMNS WITH COLUMN CLOSURE, OPEN ENDS OF DECKING AND OTHER LOCATIONS NECESSARY TO CONTAIN CONCRETE DURING PLACEMENT. WHERE PLUMBING LINES ARE ADJACENT TO COLUMNS, PROVIDE ANGLES TO SUPPORT DECK PER PLUMBING PENETRATION DETAIL.
5. COMPOSITE SLABS HAVE BEEN DESIGNED AS "UNSHORED CONSTRUCTION".
6. DECK SHALL BE CONTINUOUS OVER (2) OR MORE SPANS, TYPICAL. IF A SINGLE SPAN CONDITION IS REQUIRED AND SUPPORT BEAM SPACING EXCEEDS 6'-5" CONTRACTOR SHALL SHORE AREA.
7. PROVIDE #4 AT 12" OC 8'-0" LONG TOP BARS CENTERED OVER ALL GIRDERS RUNNING PARALLEL TO DECK SPAN. PLACE BARS OVER WWF AND PROVIDE 3/4" MINIMUM COVER. PROVIDE SUPPORT CHAIRS AT 4'-0" OC EACH WAY. ROTATE IF REQUIRED TO FIT IN SLAB THICKNESS.
8. AT INTERIOR SLAB EDGES, PROVIDE #4 AT 12" OC 45'-0" LONG TOP BARS WITH STANDARD 180° HOOKS AT ONE END AS SHOWN WHERE DIMENSION "A" EXCEEDS 10'. PROVIDE 3/4" MINIMUM COVER. DIMENSION "A" SHALL NOT EXCEED 2'-0" UNLESS SPECIFICALLY DETAILED OTHERWISE.



STUD LAYOUT

- NOTES:
1. ALL STUDS SHALL BE FIELD WELDED TO CENTERLINE OF BEAMS, UNO.
2. "(No)" INDICATES NUMBER OF SHEAR STUDS REQUIRED FOR ENTIRE BEAM LENGTH IF ONLY ONE QUANTITY IS NOTED. IF MULTIPLE QUANTITIES ARE NOTED, THEN NON-UNIFORM SPACING IS REQUIRED.
3. "R#" INDICATES BEAM DESIGN END REACTION IN KIPS SEE GENERAL NOTES FOR MINIMUM REACTION.
4. "C=No" INDICATES REQUIRED BEAM CAMBER IN INCHES.

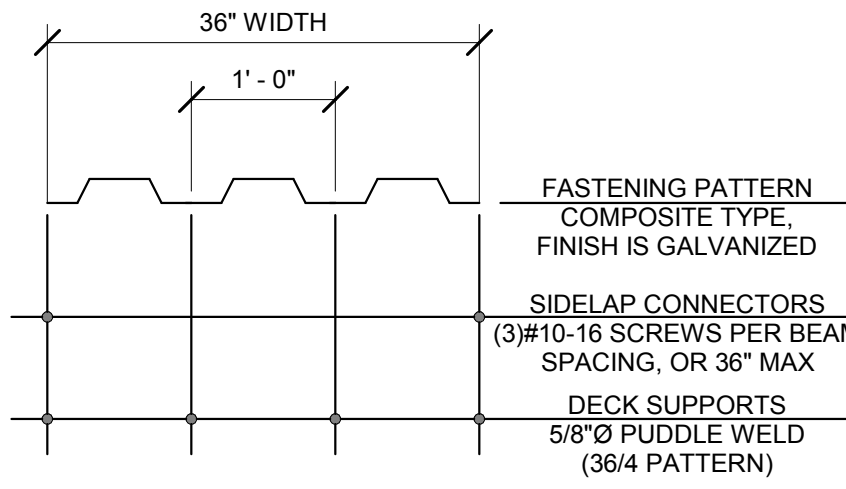
DECK PERPENDICULAR TO BEAM
CASE 1 UNIFORM SPACING- FEWER STUDS THAN DECK RIBS
-PLACE STUDS SYMMETRICALLY ABOUT MID-POINT OF BEAM.
-PLACE A STUD IN ALTERNATING RIBS FOR ENTIRE LENGTH OF BEAM.
-PLACE REMAINING STUDS IN RIBS NOT ALREADY HAVING A STUD STARTING NEAR BEAM ENDS

CASE 2 UNIFORM SPACING- MORE STUDS THAN MID-SPAN OF BEAM.
-PLACE STUDS SYMMETRICALLY ABOUT MID-SPAN OF BEAM.
-PLACE A STUD IN ALL AVAILABLE RIBS.
-IF STUDS REMAIN PLACE A SECOND STUD IN RIBS NEAR BEAM ENDS AND CONTINUE PLACING A SECOND STUD IN EACH RIB TOWARD BEAM CENTER.
-IF STUDS STILL REMAIN, PLACE A THIRD STUD IN RIBS NEAR BEAM ENDS AND CONTINUE PLACING A THIRD STUD IN EACH RIB TOWARD BEAM CENTER. SEE SKETCH FOR APPROXIMATE LOCATION FOR TWO OR THREE STUDS IN RIBS.

CASE 3 NON-UNIFORM SPACING
-UNIFORMLY SPACE STUDS BETWEEN INTERSECTING BEAMS OR CONCENTRATED LOAD.
-IF THERE ARE MORE STUDS THAN RIBS PLACE ADDITIONAL STUDS IN RIBS STARTING AT INTERSECTING BEAMS. FOLLOW SAME PROCEDURE AS CASE 2.

DECK PARALLEL TO BEAM
CASE 4 UNIFORM SPACING
-PLACE STUDS SYMMETRICALLY ABOUT MID-POINT OF BEAM.
-PLACE A SINGLE ROW OF STUDS ALONG LENGTH OF BEAM AT EQUAL SPACING. FOLLOW MAXIMUM AND MINIMUM SPACING NOTED.
-IF MULTIPLE ROWS OF STUDS ARE REQUIRED START PLACEMENT OF ADDITIONAL ROWS NEAR BEAM ENDS.

CASE 5 NON-UNIFORM SPACING
-UNIFORMLY SPACE STUDS BETWEEN INTERSECTING BEAMS OR CONCENTRATED LOAD.
-IF MULTIPLE ROWS OF STUDS ARE REQUIRED START PLACEMENT OF EACH ADDITIONAL ROWS NEAR BEAM ENDS. FOLLOW MAXIMUM AND MINIMUM SPACINGS NOTED.

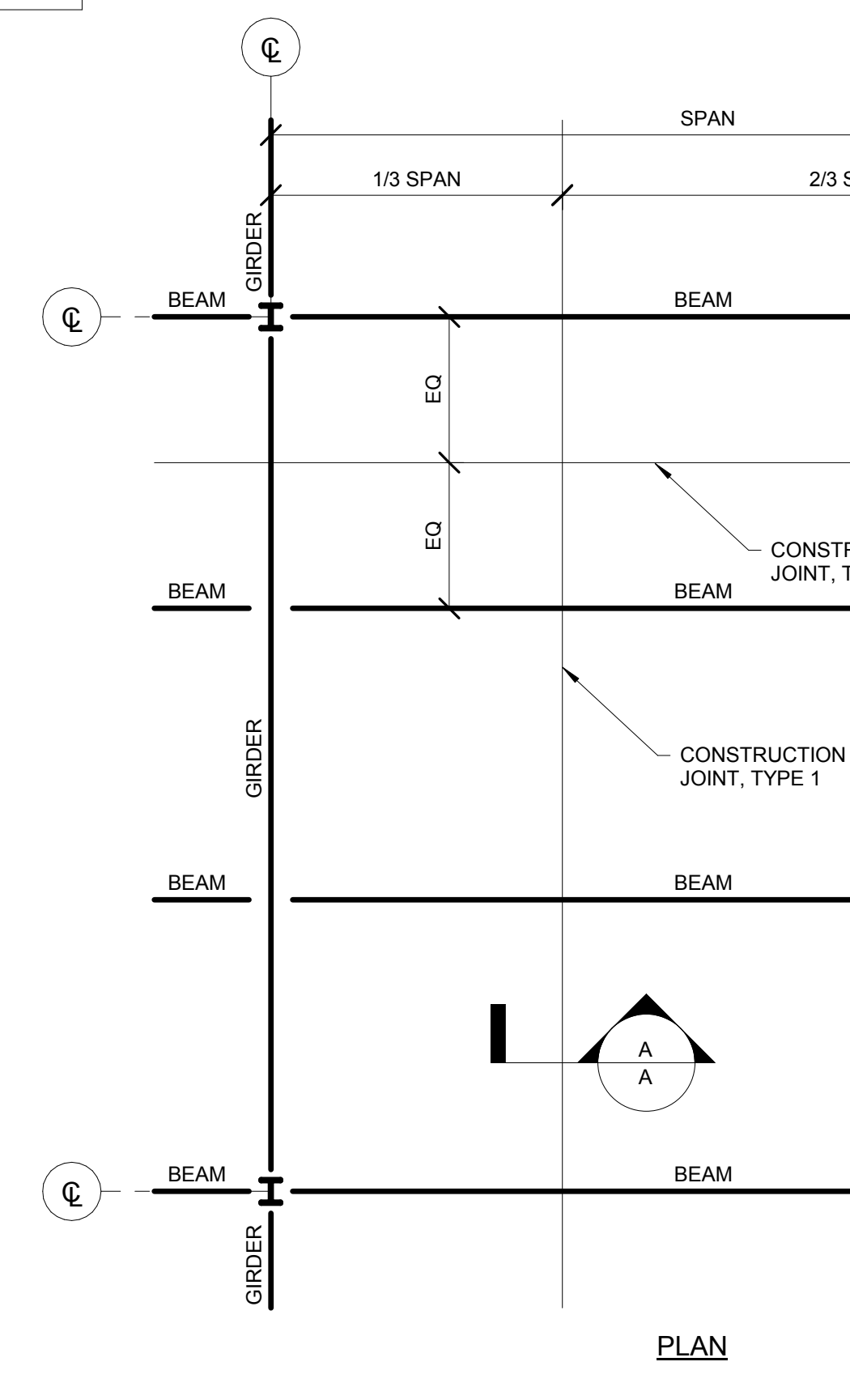


FLOOR DECK ATTACHMENT DETAIL

- NOTES:
1. AT KITCHEN/BREAK BOTTOM SHALL HAVE SHOP GREY PRIMER FINISH.

4C TYPICAL FRAMING AROUND SLAB OPENINGS

S311 3/4" = 1'-0"



3A TYPICAL CONSTRUCTION JOINTS IN COMPOSITE DECK

S311 3/4" = 1'-0"

- NOTES:
1. CONTRACTOR SHALL SUBMIT LOCATION OF ALL CONSTRUCTION JOINTS FOR APPROVAL PRIOR TO CONSTRUCTION AND FABRICATION.

OPENINGS LESS THAN 13"

NOTES:
1. OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
2. ALL OPENINGS LESS THAN 13" WILL NOT BE SHOWN ON STRUCTURAL DRAWINGS.
3. OPENINGS THAT MEET THE REQUIREMENTS OF THIS DETAIL MAY BE FORMED PRIOR TO CONCRETE POUR OR CORE DRILLED AFTER PLACEMENT.

OPENINGS 13" TO 2'-0"

NOTES:
1. PROVIDE REINFORCING AROUND ALL DUCT PENETRATIONS, CHASES, ELECTRICAL BOXES, PLUMBING PIPES, AND OTHER OPENINGS IN SLABS, FOR OPENINGS FROM 13"x13" (OR 13"Ø) TO 2'-0"x2'-0" (OR 24"Ø).
2. OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
3. MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 2'-0".
4. ALL OPENINGS 13" TO 2'-0" MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS. SEE ARCH AND MEP.
5. OPENINGS GREATER THAN 2'-0" NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL BY THE ENGINEER OF RECORD.
6. PRIOR TO CONCRETE POUR OPENINGS SHALL BE BLOCKED W/ DECK LEFT INTACT. AFTER CONCRETE HAS CURED REMOVE BLOCK OUT AND CUT DECK TO EDGE OF CONCRETE POUR.

OPENINGS 2'-0" TO 4'-0"

NOTES:
1. PROVIDE CHANNEL FRAMING AROUND ALL DUCT PENETRATIONS, CHASES, ELECTRICAL BOXES, PLUMBING PIPES, AND OTHER OPENINGS IN SLABS, FOR OPENINGS LARGER THAN 2'-0"x2'-0" (OR 24"Ø).
2. OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
3. MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 1'-0".
4. OPENINGS GREATER THAN 2'-0" NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL BY THE ENGINEER OF RECORD.

4E TYPICAL CONCRETE EQUIPMENT PAD, ELEVATED SLAB ON METAL DECK

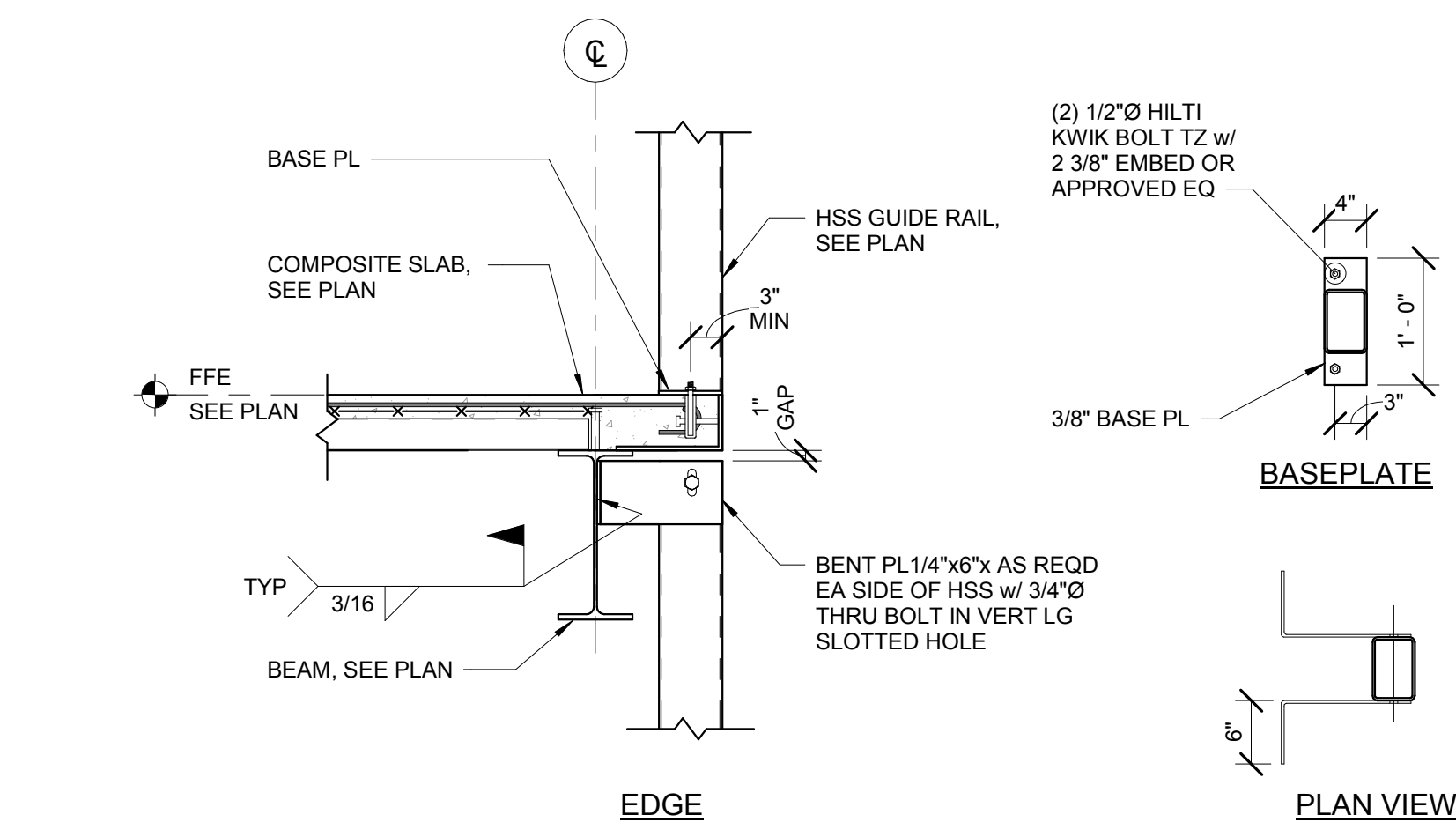
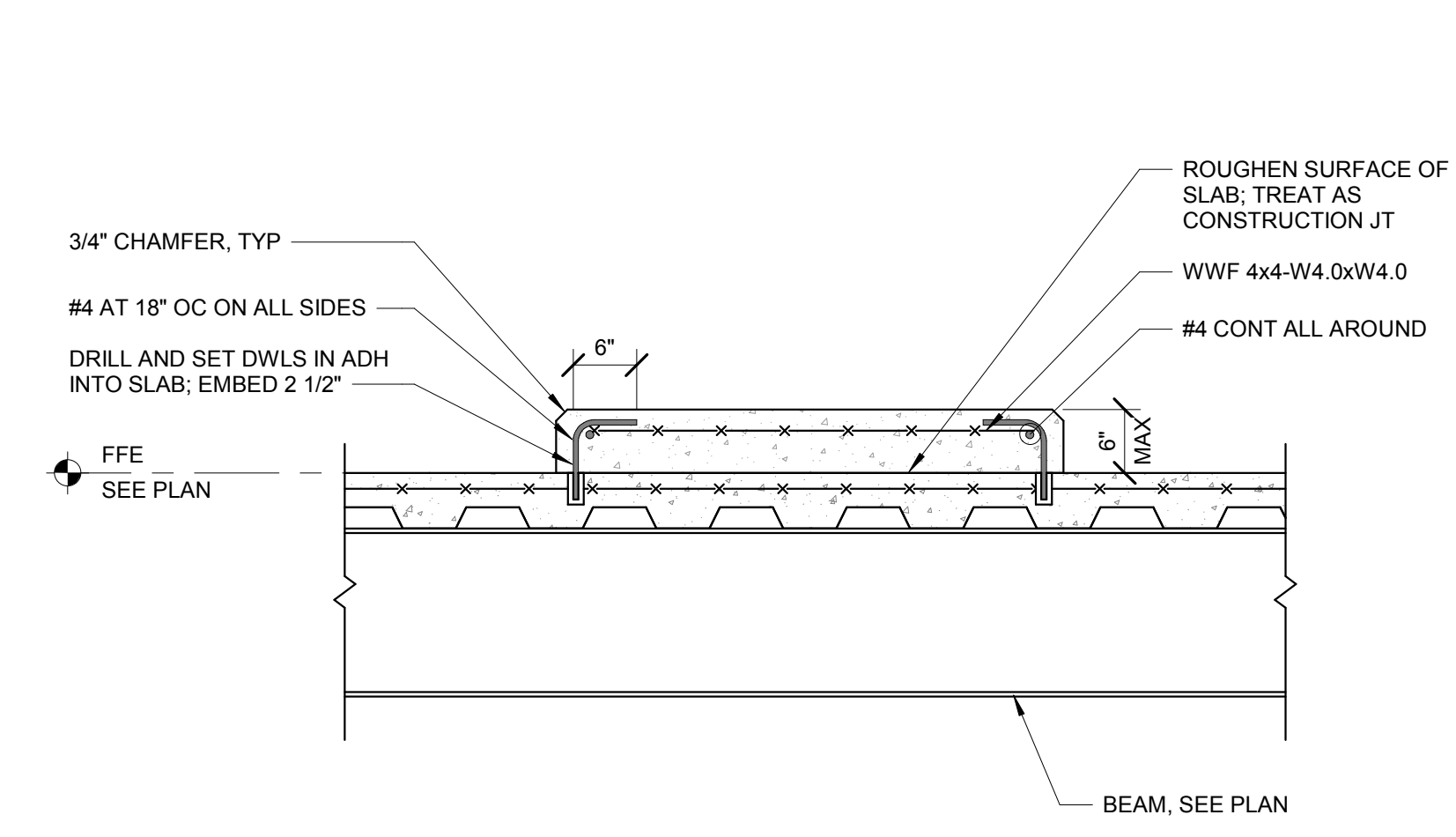
S311 3/4" = 1'-0"

- NOTES:
1. THE EXACT SIZE, SHAPE, AND LOCATION OF EQUIPMENT (HOUSEKEEPING) PADS SHALL BE DETERMINED BY THE CONTRACTOR AFTER APPROVAL OF EQUIPMENT SHOP DRAWINGS. ANCHOR RODS, WHERE REQUIRED, SHALL BE SIZED AND LOCATED ACCORDING TO THE SUPPLIER'S REQUIREMENTS.

5E GUIDE RAIL SUPPORT CONNECTION AT FLOOR EDGE

S311 3/4" = 1'-0"

- NOTES:
1. PROVIDE REINFORCING AROUND ALL DUCT PENETRATIONS, CHASES, ELECTRICAL BOXES, PLUMBING PIPES, AND OTHER OPENINGS IN SLABS, FOR OPENINGS LARGER THAN 2'-0"x2'-0" (OR 24"Ø).
2. OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
3. MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 1'-0".
4. OPENINGS GREATER THAN 2'-0" NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL BY THE ENGINEER OF RECORD.

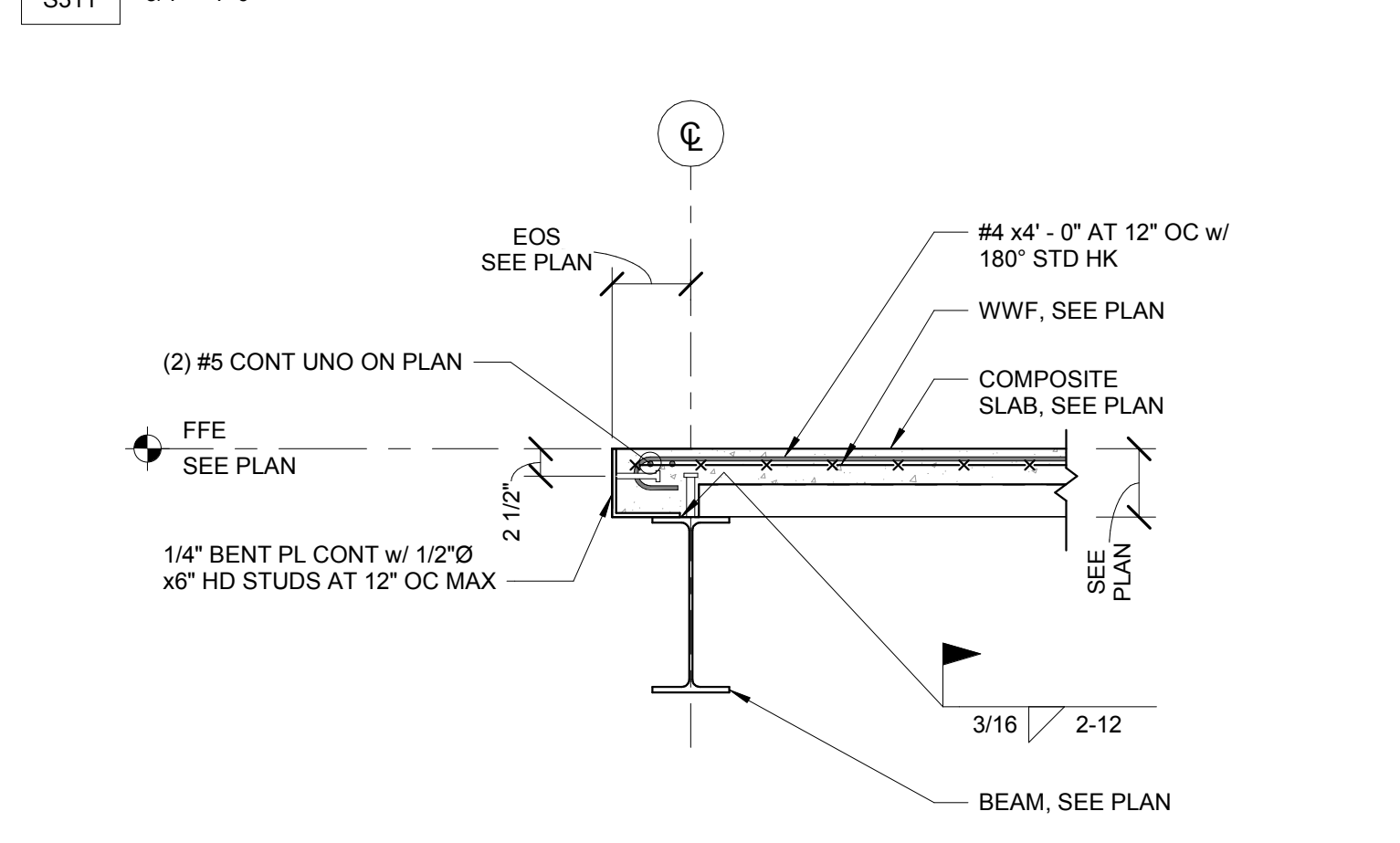


1A TYPICAL COMPOSITE SLAB DETAILS

S311 NOT TO SCALE

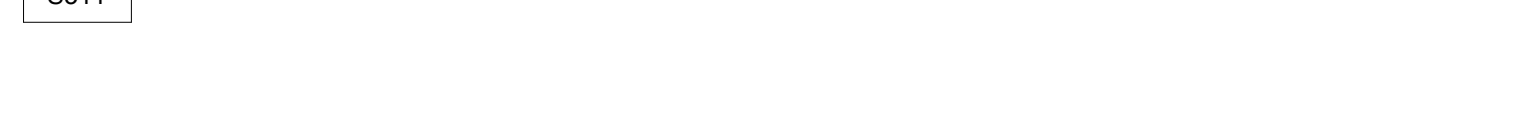
6B SLAB EDGE DETAIL PARALLEL TO DECK

S311 3/4" = 1'-0"

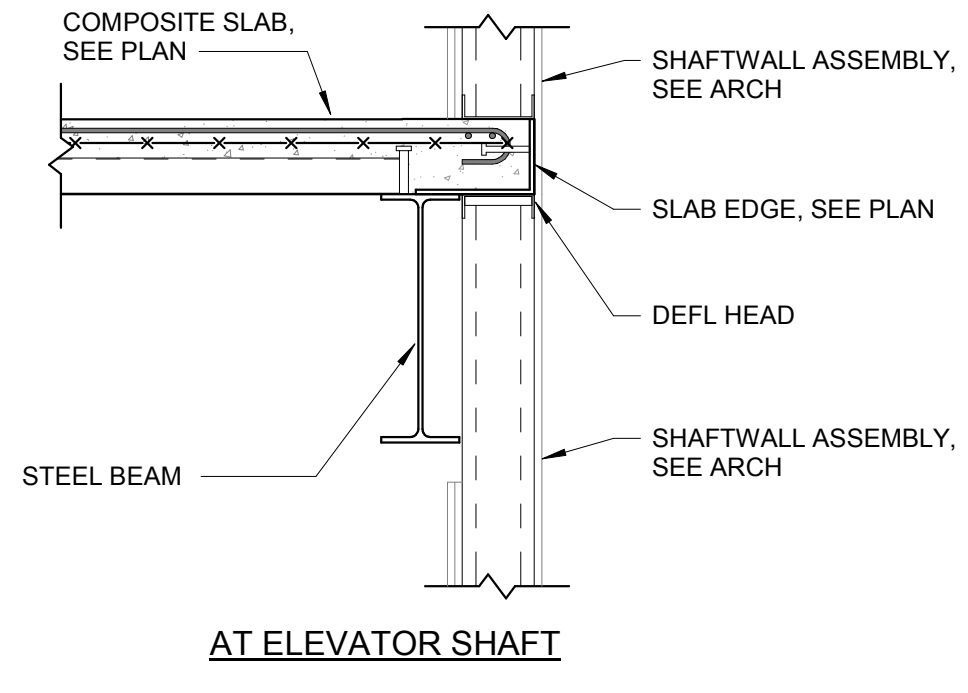


6A SLAB EDGE DETAIL PERPENDICULAR TO DECK

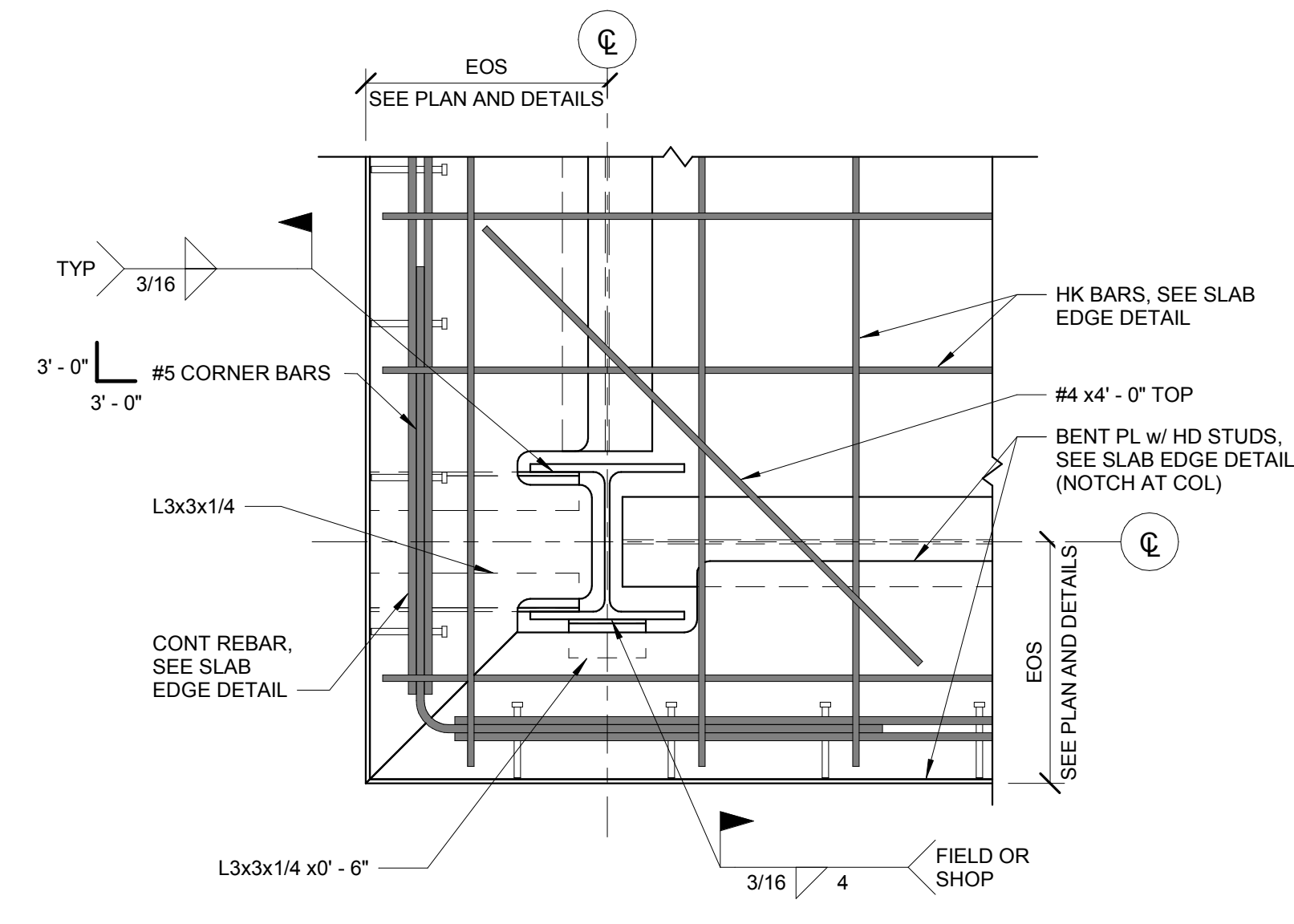
S311 3/4" = 1'-0"



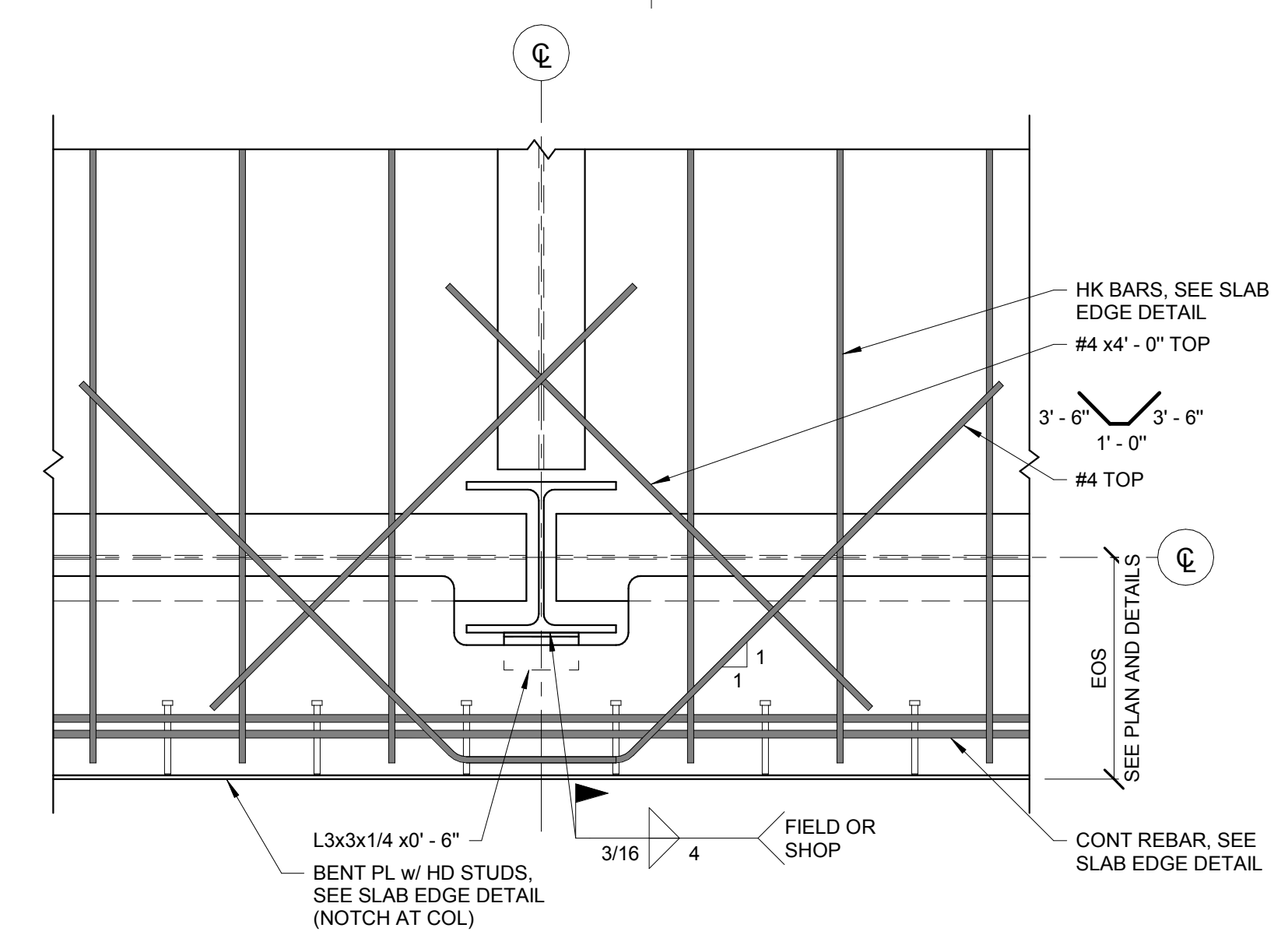
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1E DETAIL AT SHAFTWALL
S312 3/4" = 1'-0"



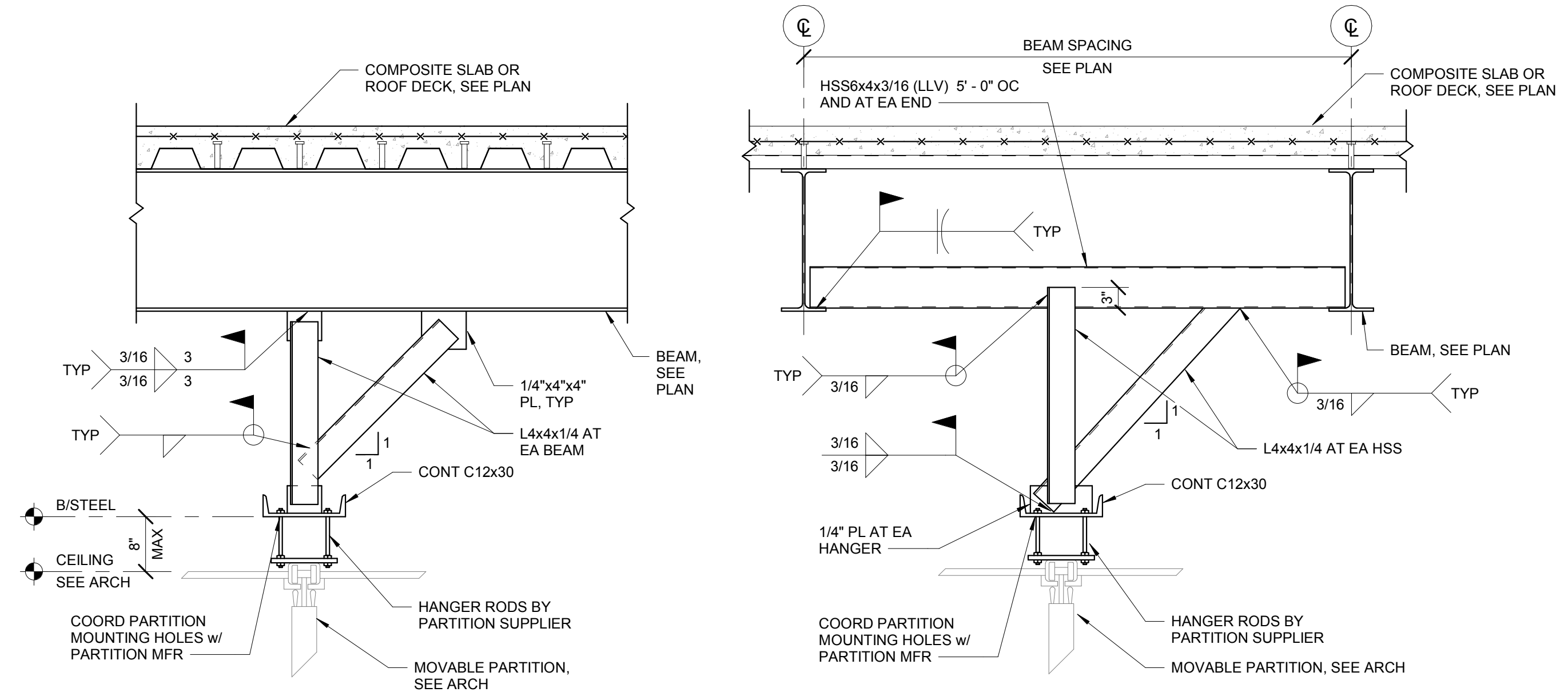
4E PLAN OF SLAB CORNER AT COLUMN
S312 NOT TO SCALE
NOTES:
1. SEE PLAN FOR MEMBER SIZES.
2. FRAMING CONNECTION NOT SHOWN FOR CLARITY.
3. SEE SLAB EDGE DETAILS FOR NOTES NOT SHOWN HERE.



6E PLAN AT SLAB EDGE REINFORCEMENT
S312 NOT TO SCALE
NOTES:
1. SEE PLAN FOR MEMBER SIZES.
2. FRAMING CONNECTION NOT SHOWN FOR CLARITY.
3. SEE SLAB EDGE DETAILS FOR NOTES NOT SHOWN HERE.

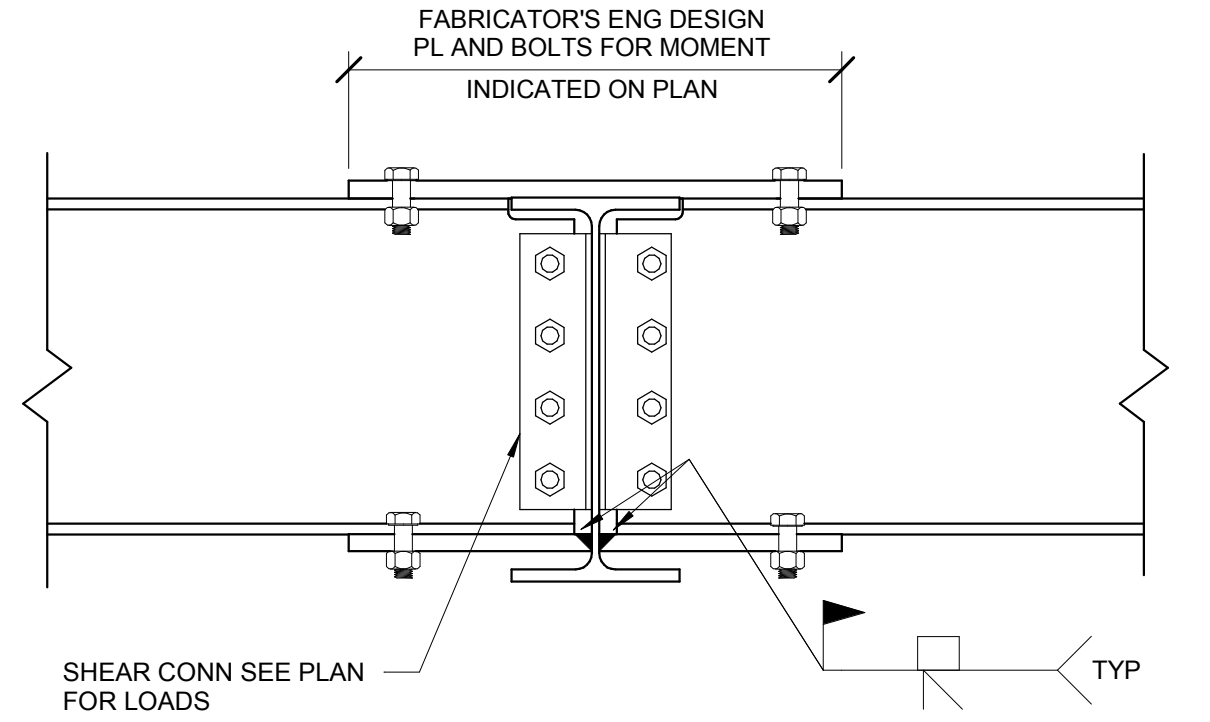
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D

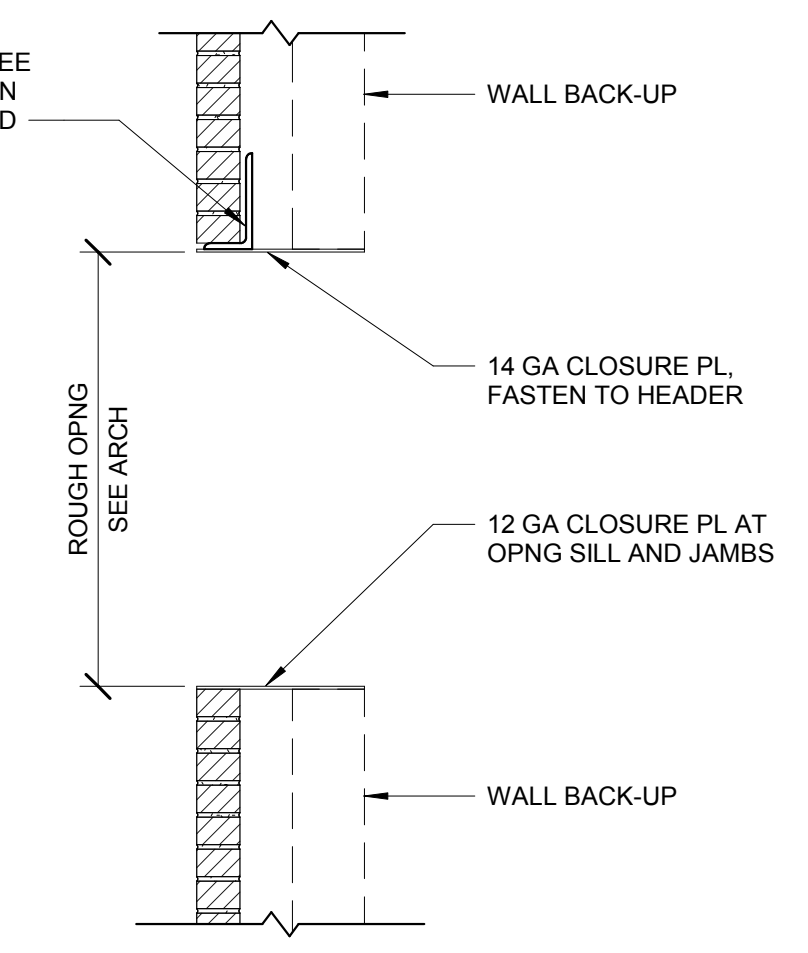


1C TYPICAL MOVABLE PARTITION SUPPORTS
S312 3/4" = 1'-0"
NOTES:
1. ALL HOLES TO BE DRILLED OR PUNCHED INTO STEEL. DO NOT BURN HOLES.

4C BEAM TO BEAM MOMENT CONNECTION DETAIL
S312 NOT TO SCALE
NOTES:
1. SEE PLAN FOR BEAM SIZES, UNO.
2. ALL BOLTS TO BE SLIP-CRITICAL.

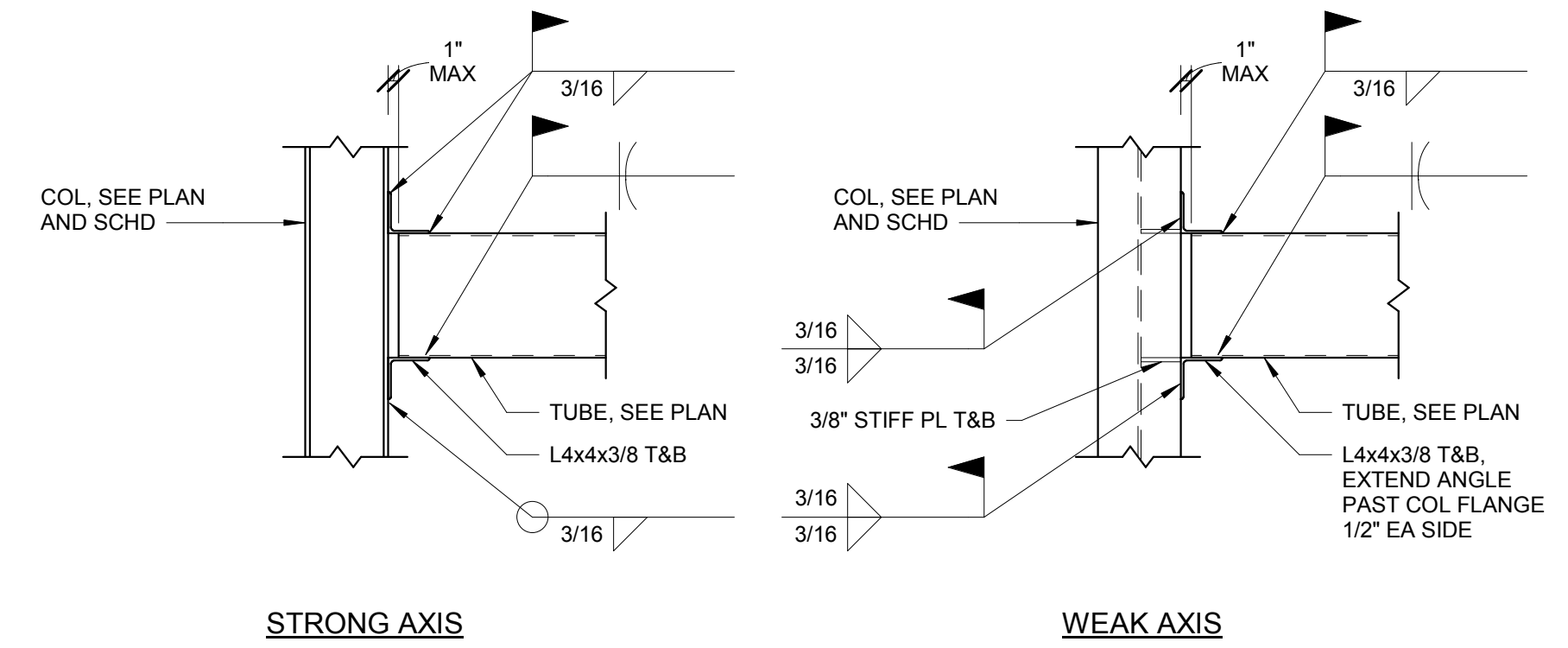


MASONRY VENEER LOOSE LINTEL SCHEDULE	
MAX CLEAR SPAN	LINTEL ANGLE
0' - 5' - 0"	L4x4x3/8
5' - 1' - 8" - 0"	L6x4x3/8 (LLV)
8' - 1' - 10" - 0"	L7x4x3/8 (LLV)
10' - 1' - 13' - 4"	L8x4x1/2 (LLV)



6C MASONRY VENEER LOOSE LINTEL SCHEDULE
S312 NOT TO SCALE
NOTES:
1. USE THIS SCHEDULE AT OPENINGS IN MASONRY VENEER WHERE LINTELS ARE NOT INDICATED ON PLANS OR DETAILS.
2. BEAR LINTEL ANGLES 8" MINIMUM ON MASONRY EACH END.
3. ALL EXTERIOR LINTELS TO BE HOT-DIPPED GALVANIZED.
4. SEE ARCHITECTURAL DRAWINGS FOR OPENING LOCATIONS AND DIMENSIONS.

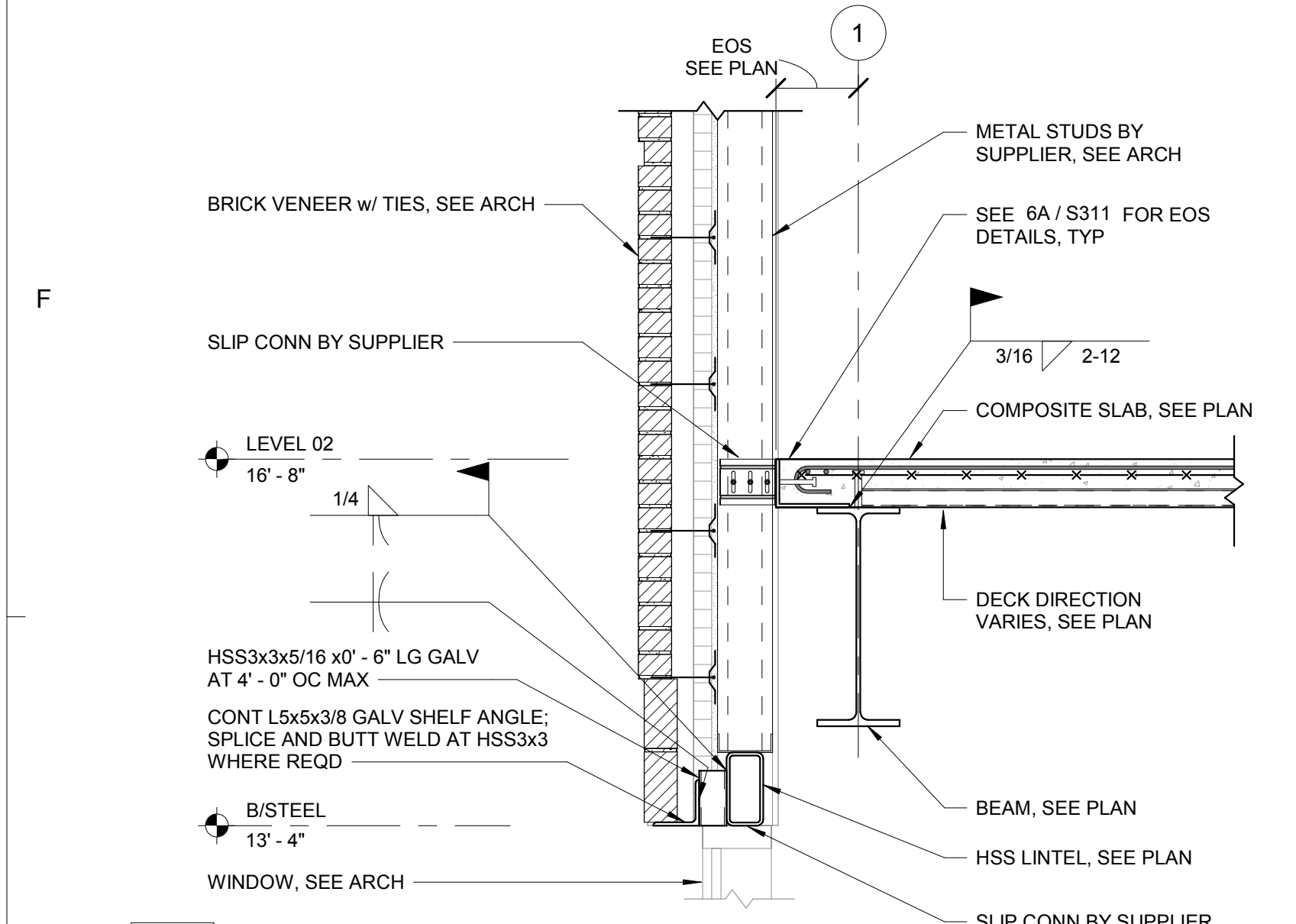
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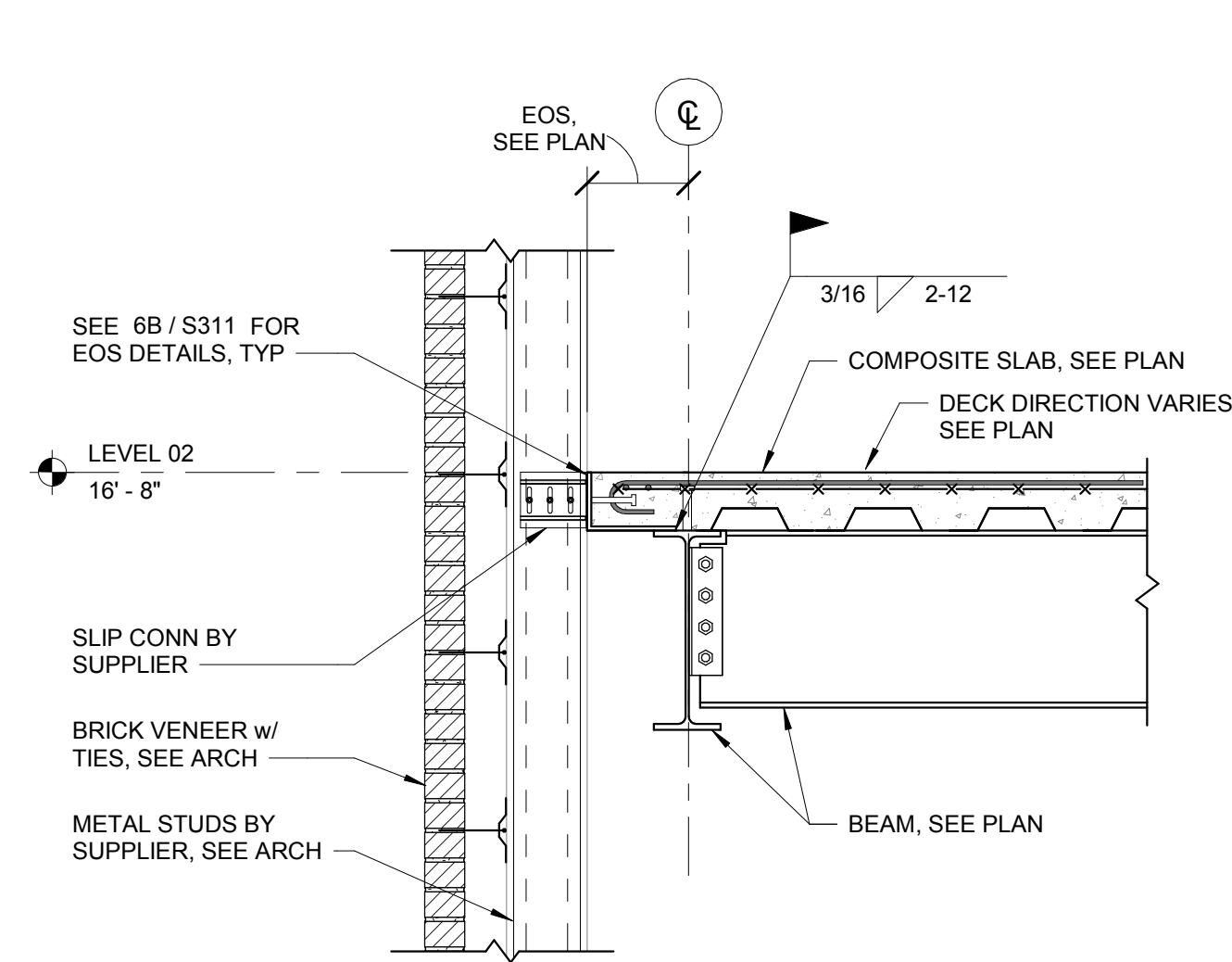
1B TUBE BEAM CONNECTION AT COLUMN
S312 3/4" = 1'-0"

A

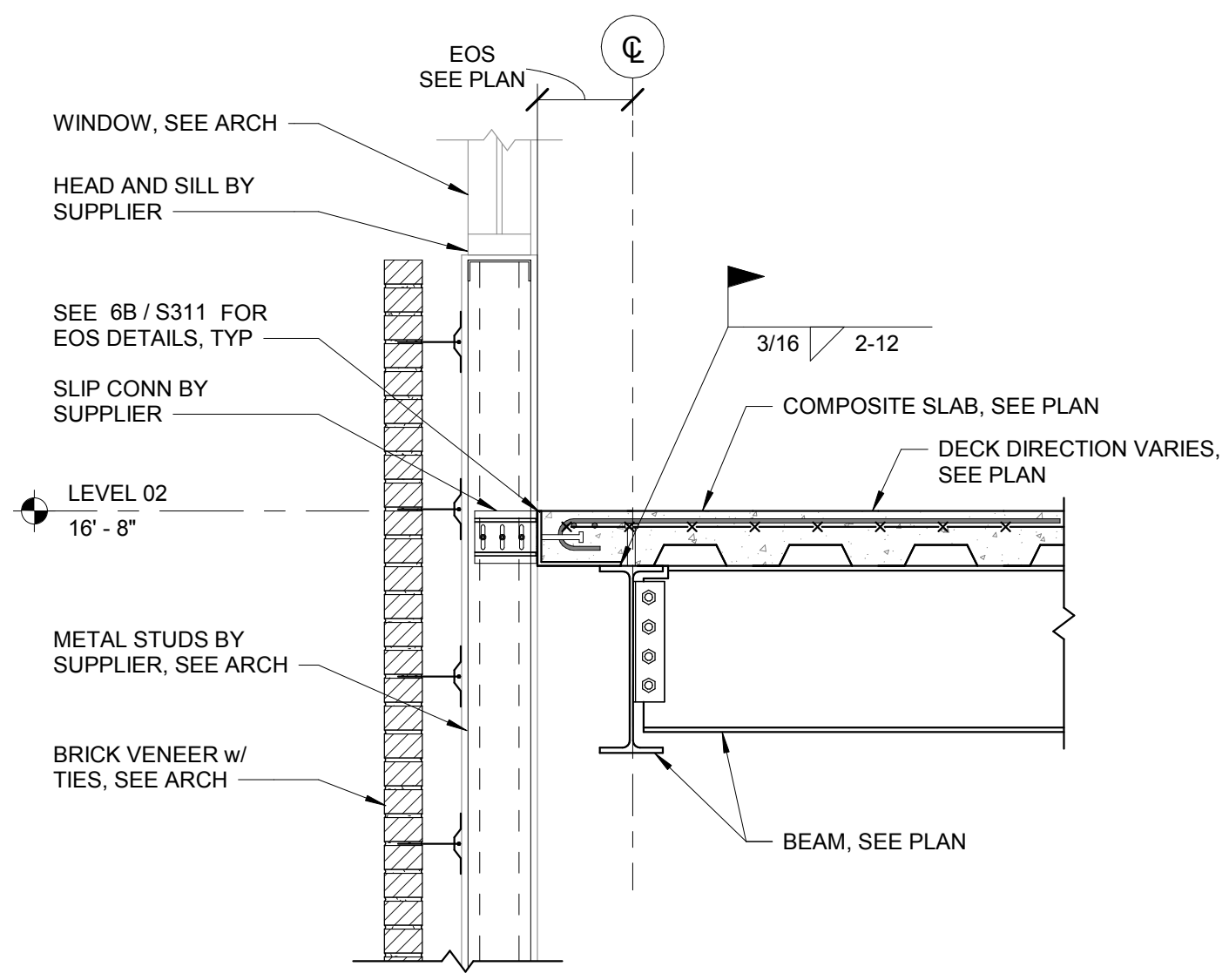
NO.	REASON	DATE



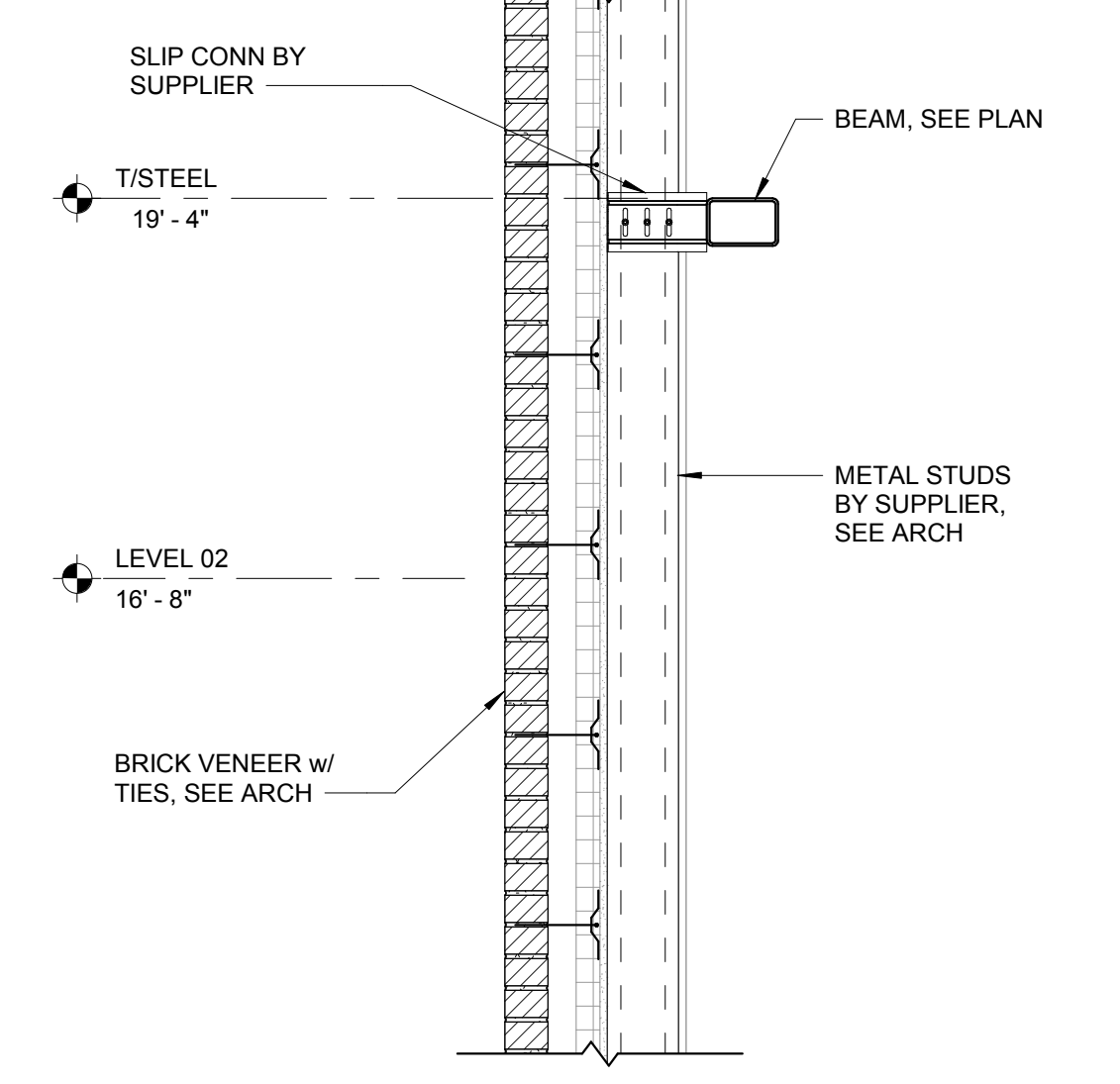
1E SECTION
S313 3/4" = 1'-0"



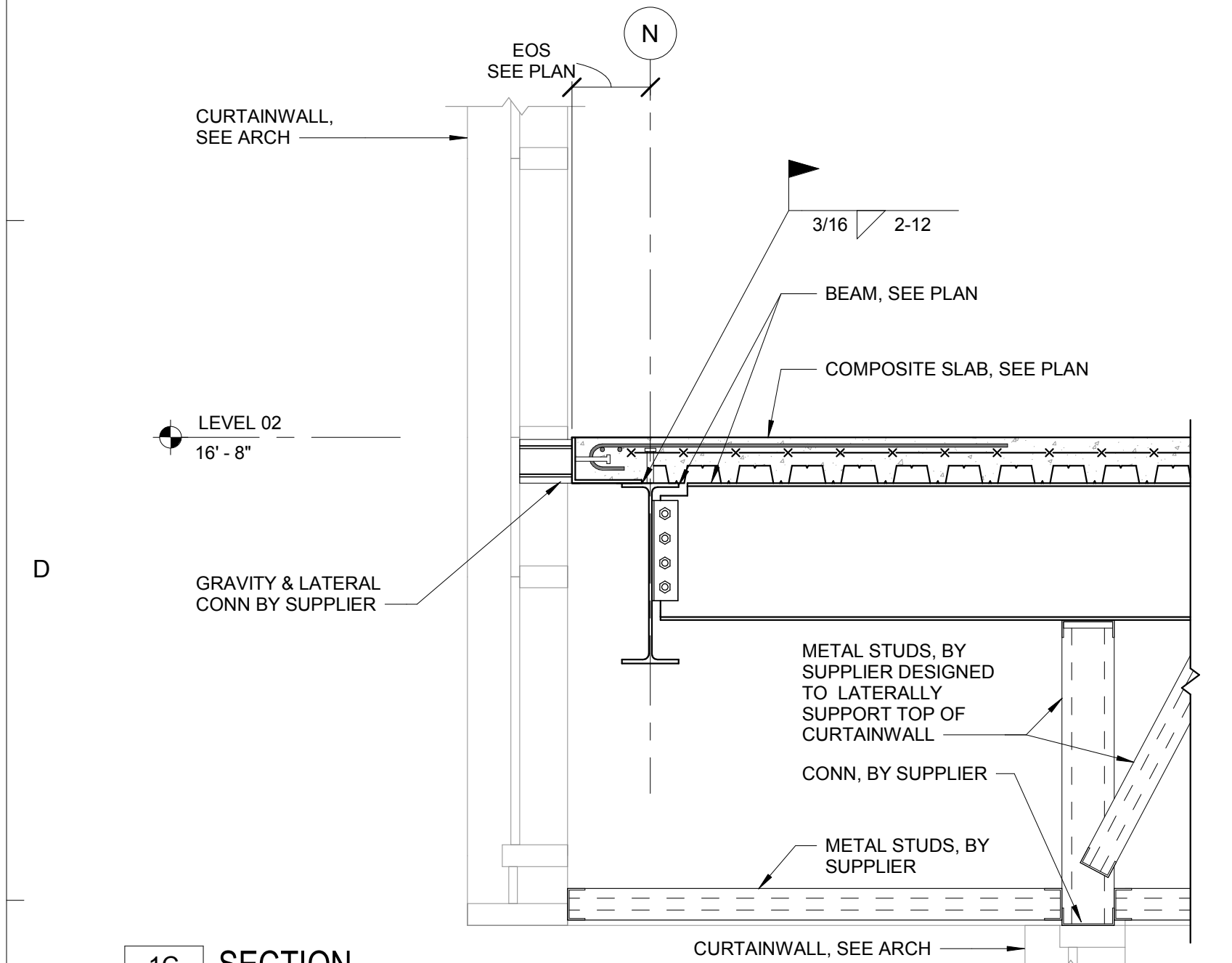
3E METAL STUD & BRICK VENEER EXTERIOR WALL DETAIL
S313 3/4" = 1'-0"



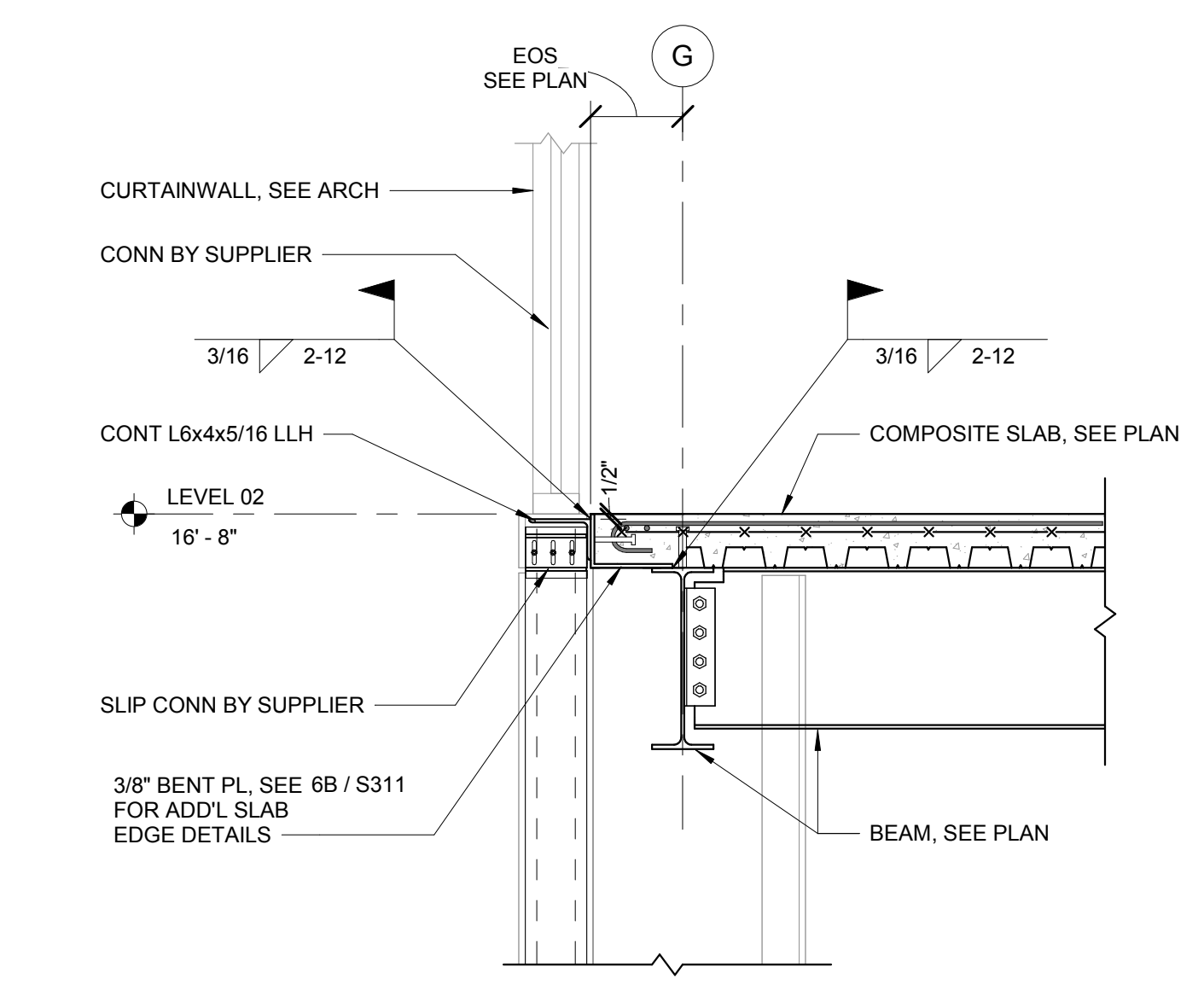
4E METAL STUD & BRICK VENEER EXTERIOR WALL DETAIL
S313 3/4" = 1'-0"



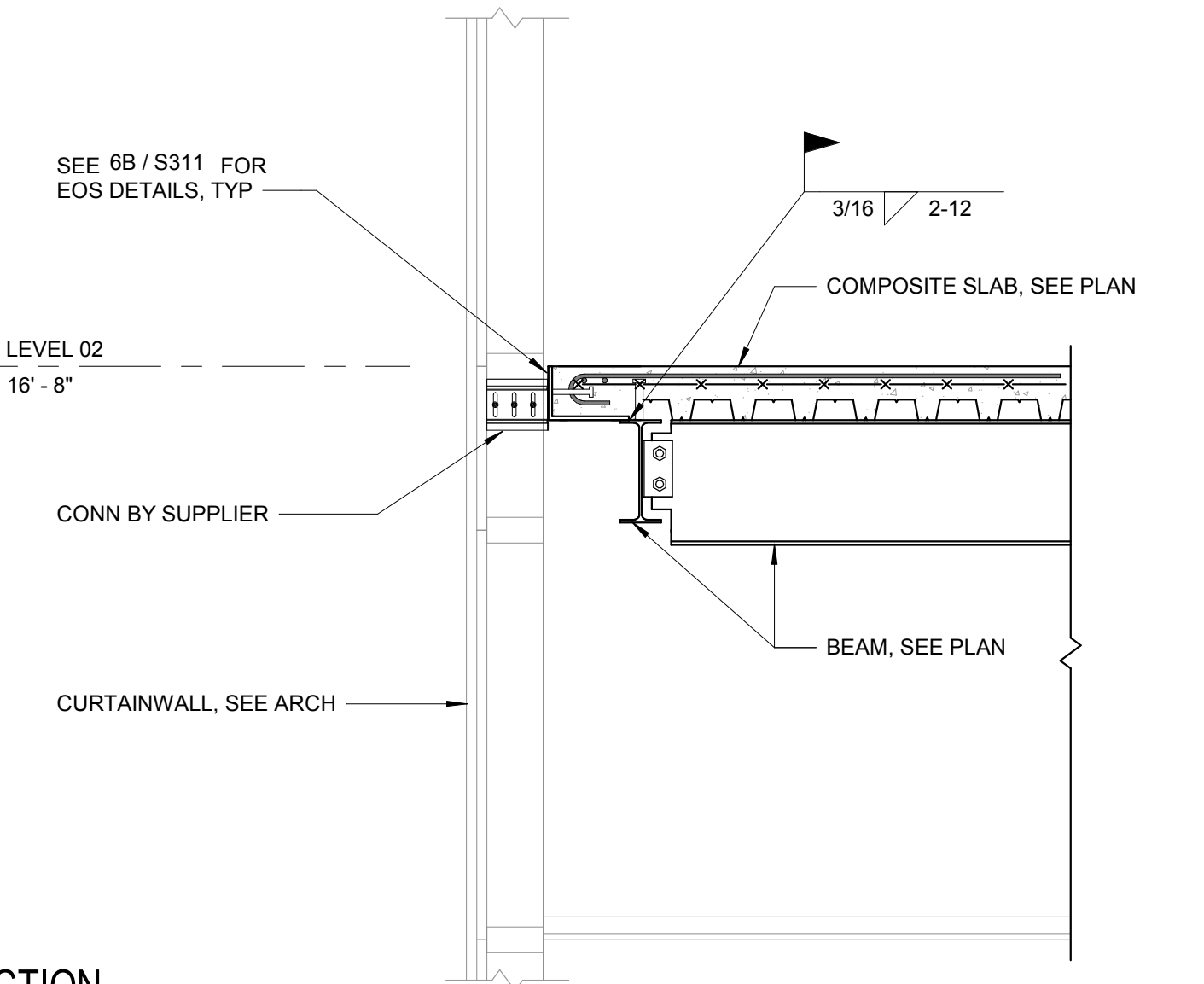
6E SECTION
S313 3/4" = 1'-0"



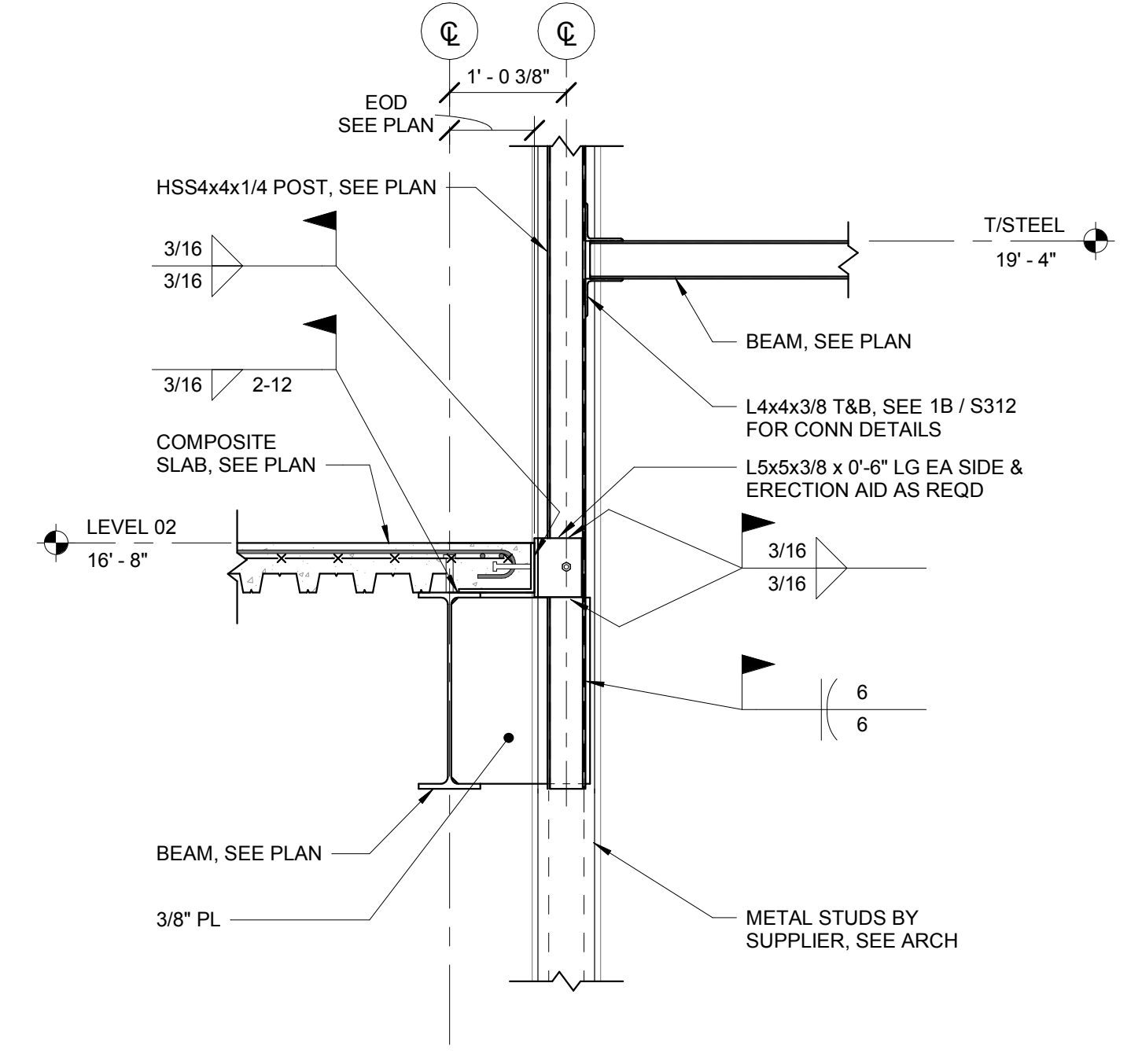
1C SECTION
S313 3/4" = 1'-0"



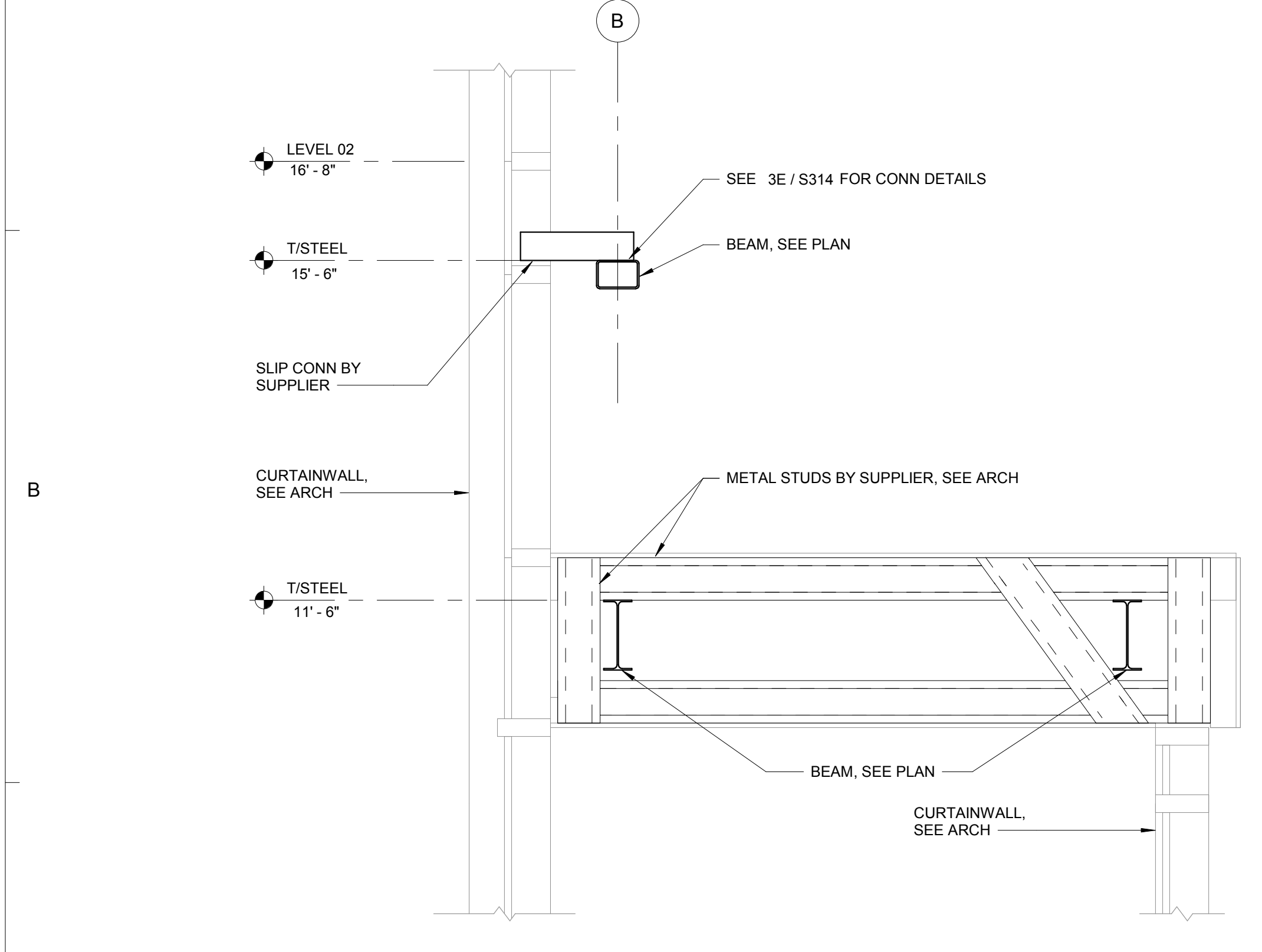
3C SECTION
S313 3/4" = 1'-0"



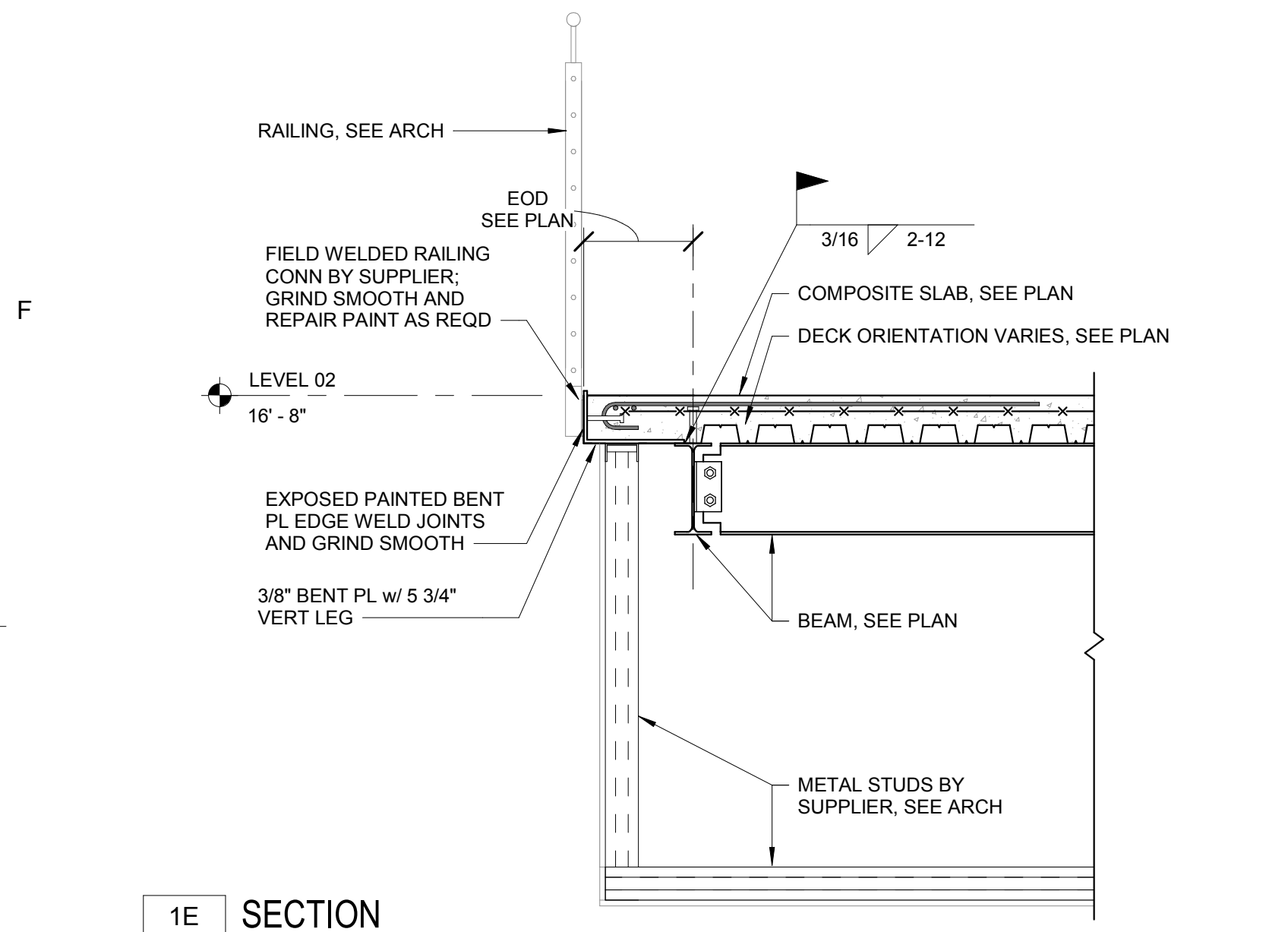
4C SECTION
S313 3/4" = 1'-0"



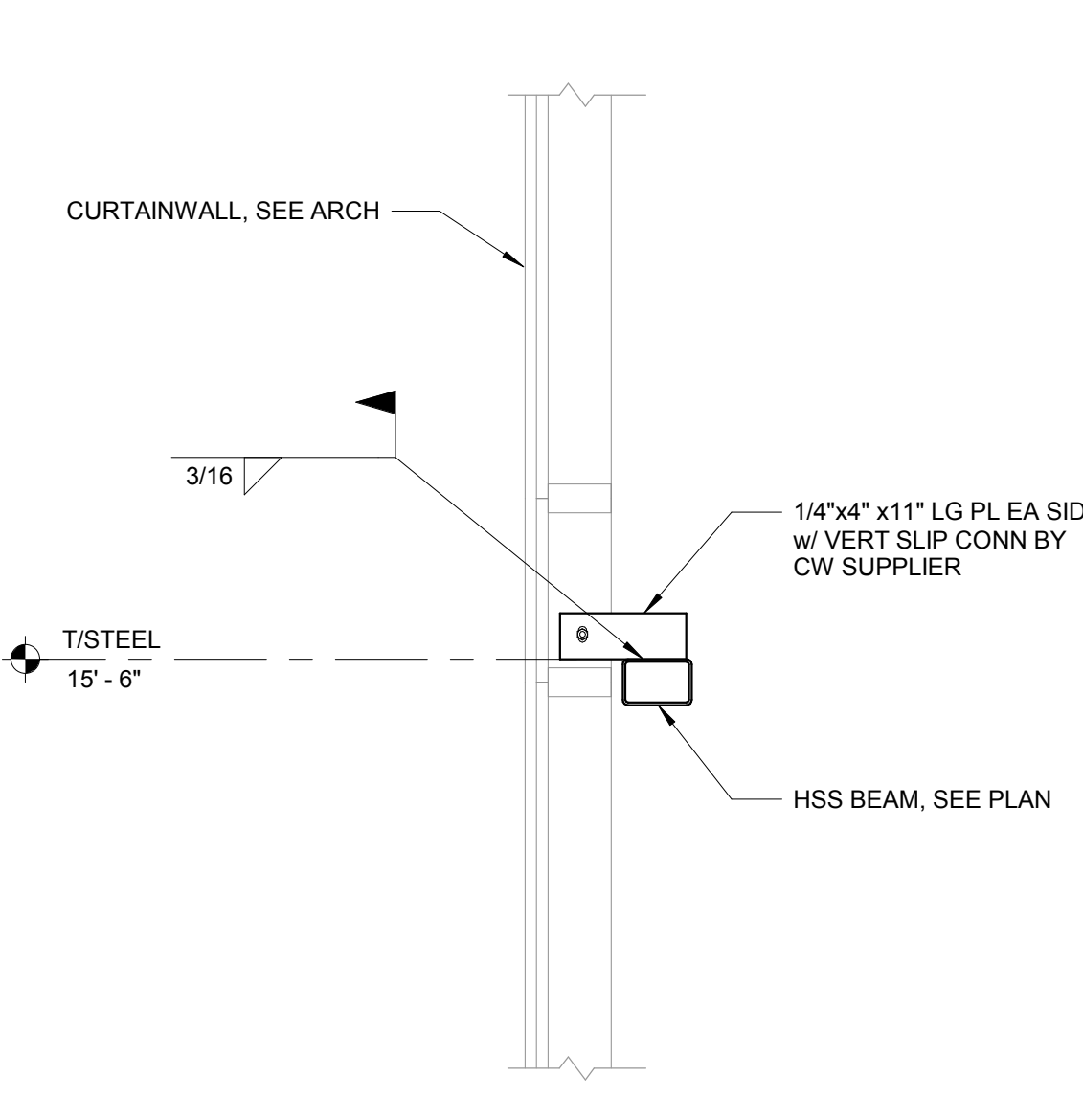
6C SECTION
S313 3/4" = 1'-0"



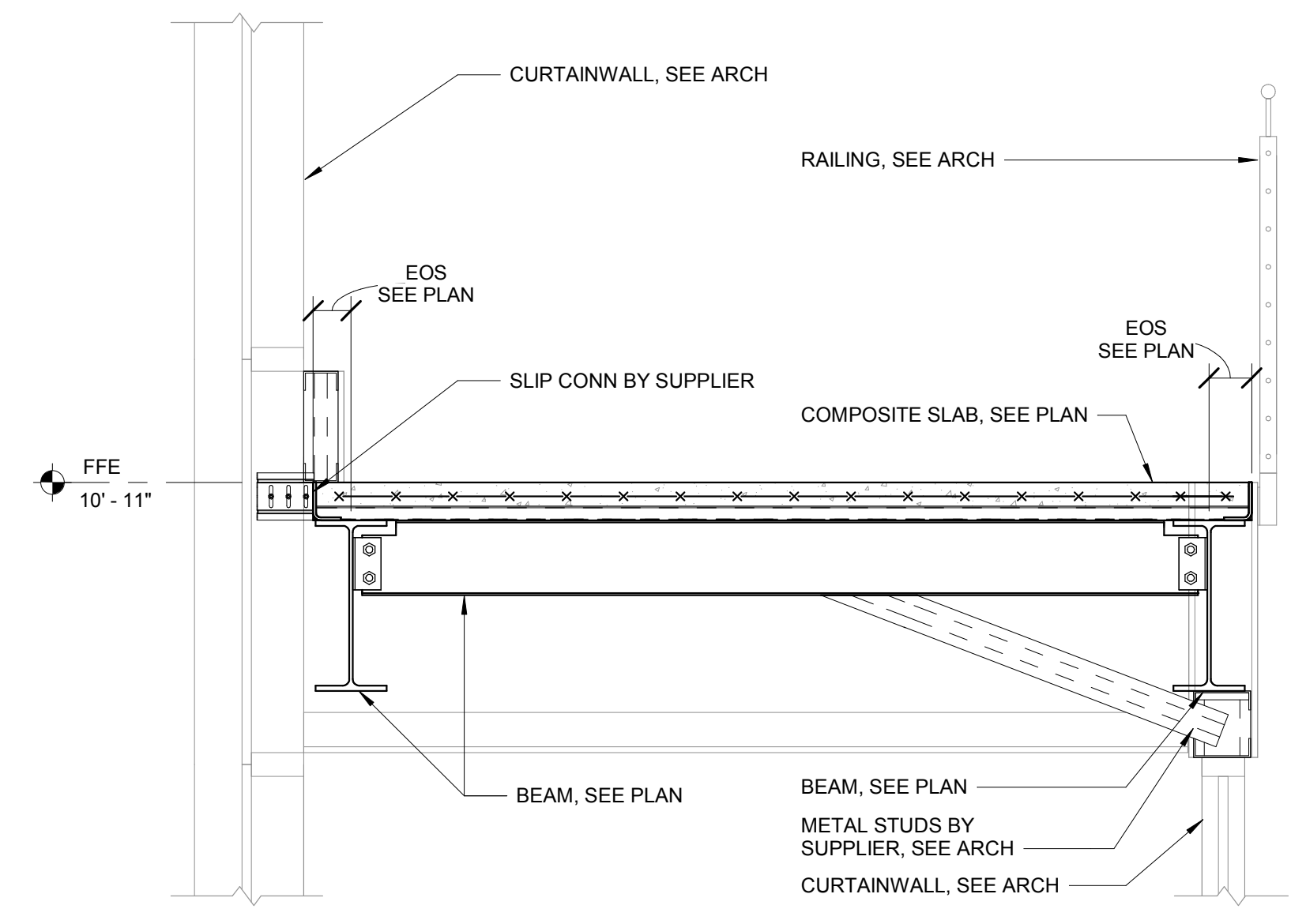
1A SECTION
S313 3/4" = 1'-0"



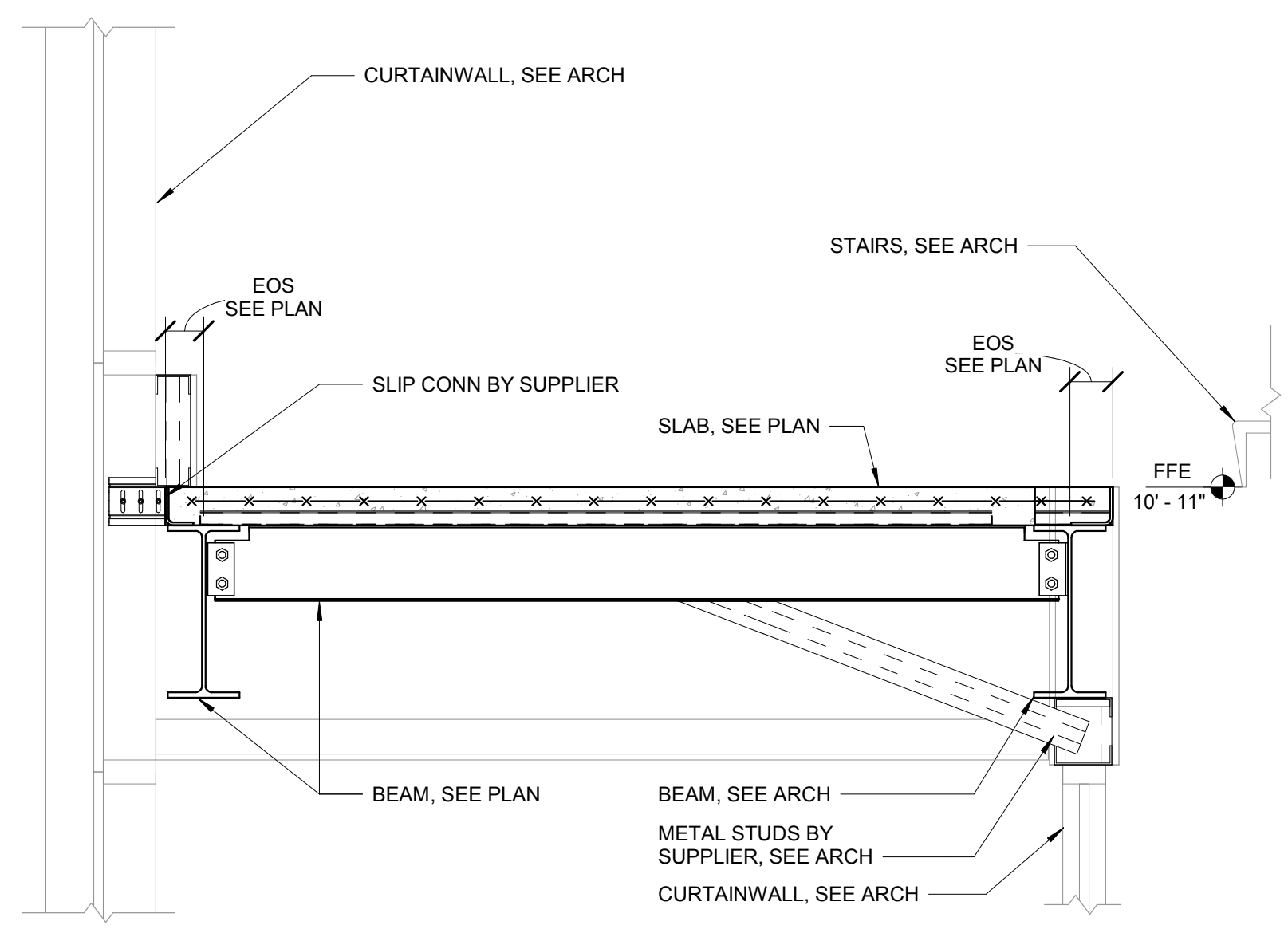
1E SECTION
S314 3/4" = 1'-0"



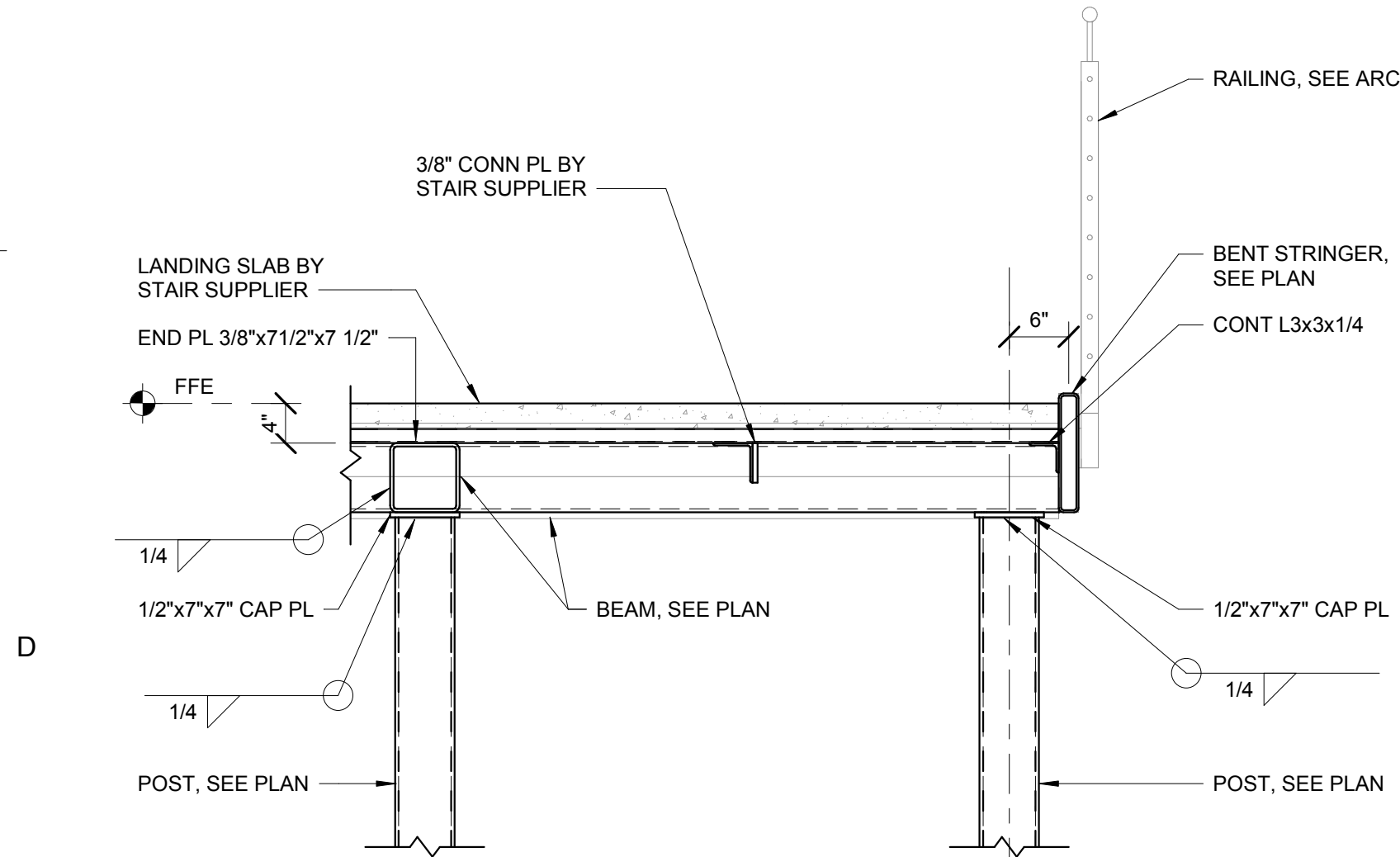
3E SECTION
S314 3/4" = 1'-0"
NOTES:
1. AT SIM SECTION PLATE = 1' - 4 1/2" LG.



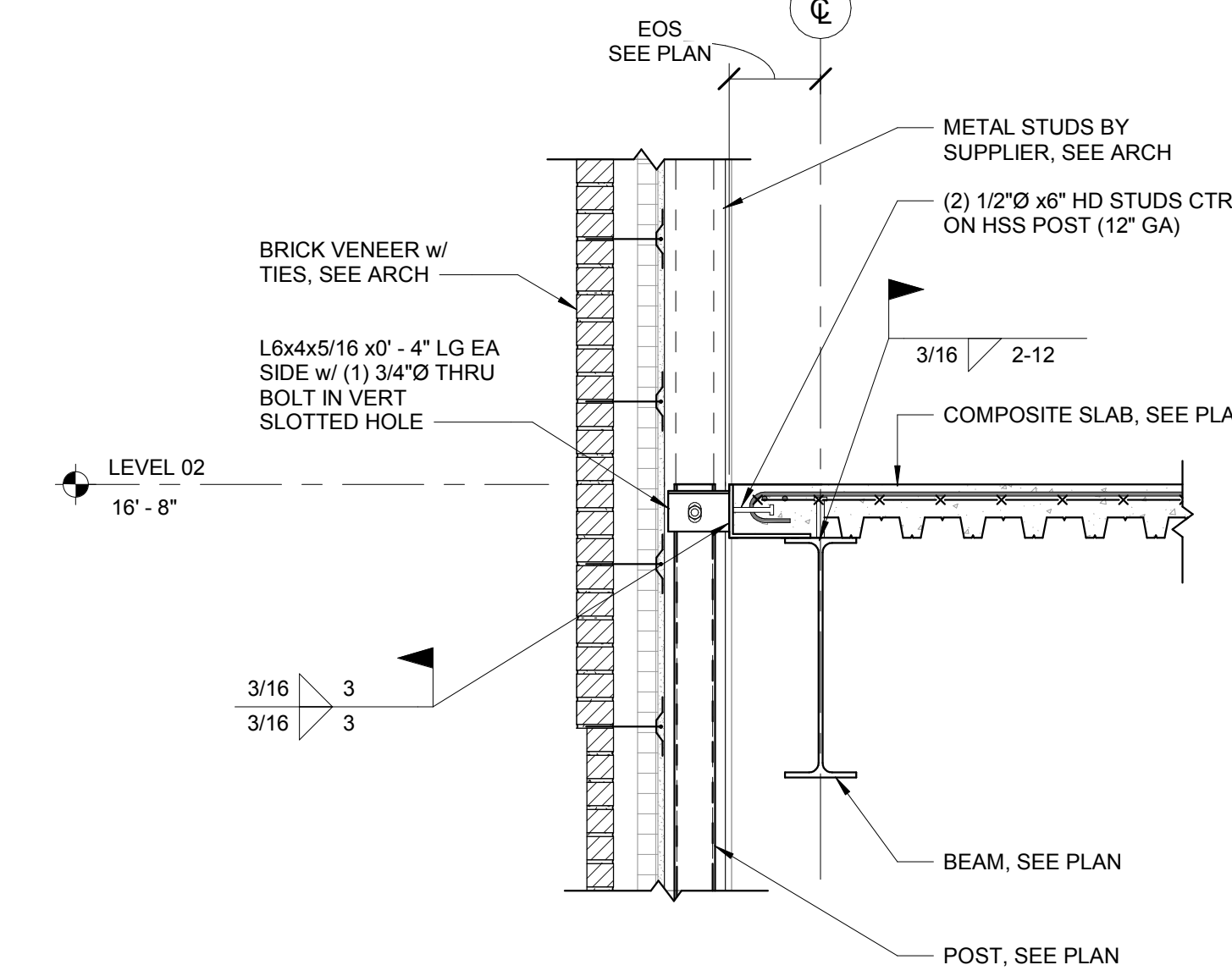
5E SECTION
S314 3/4" = 1'-0"



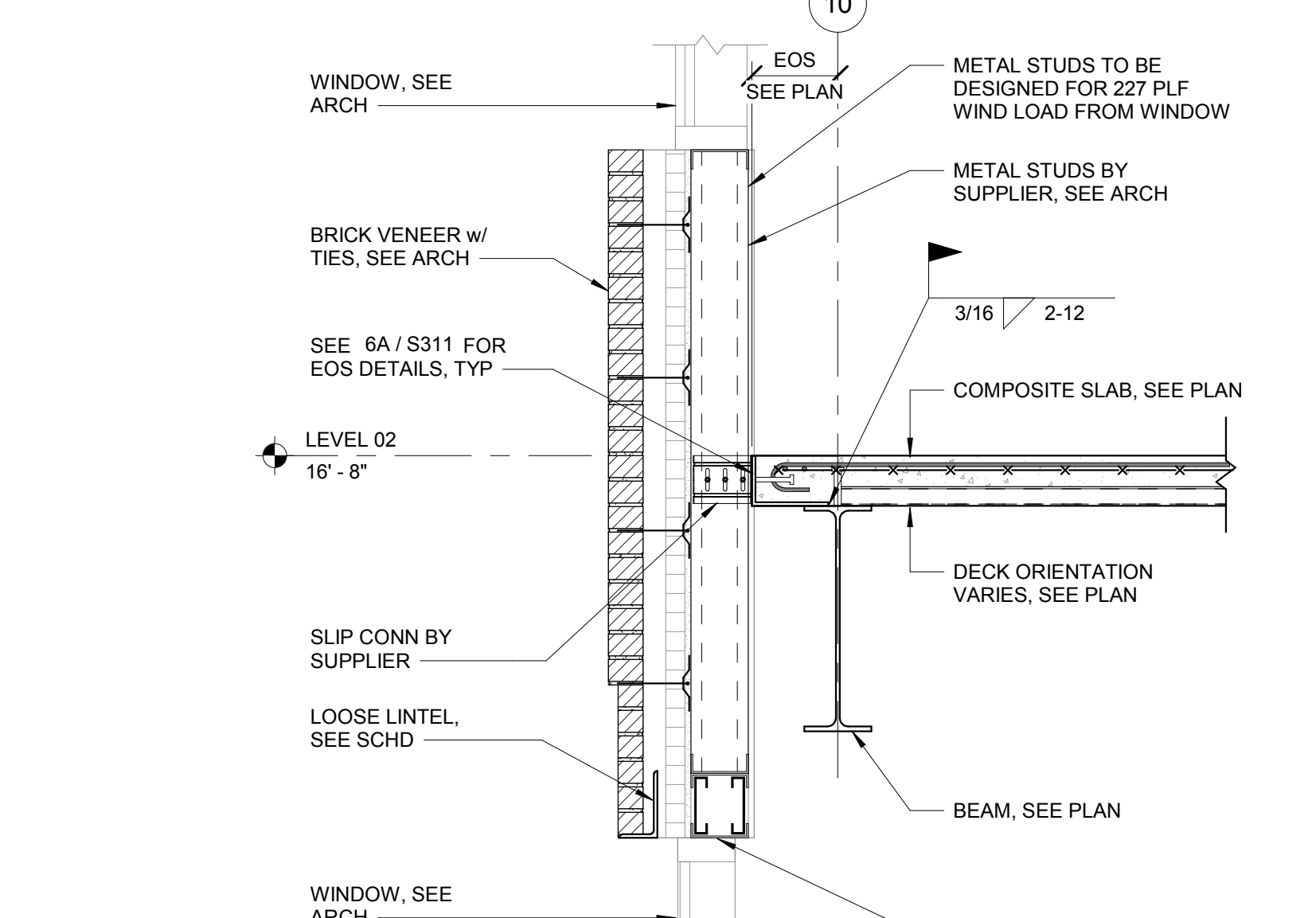
6E SECTION
S314 3/4" = 1'-0"



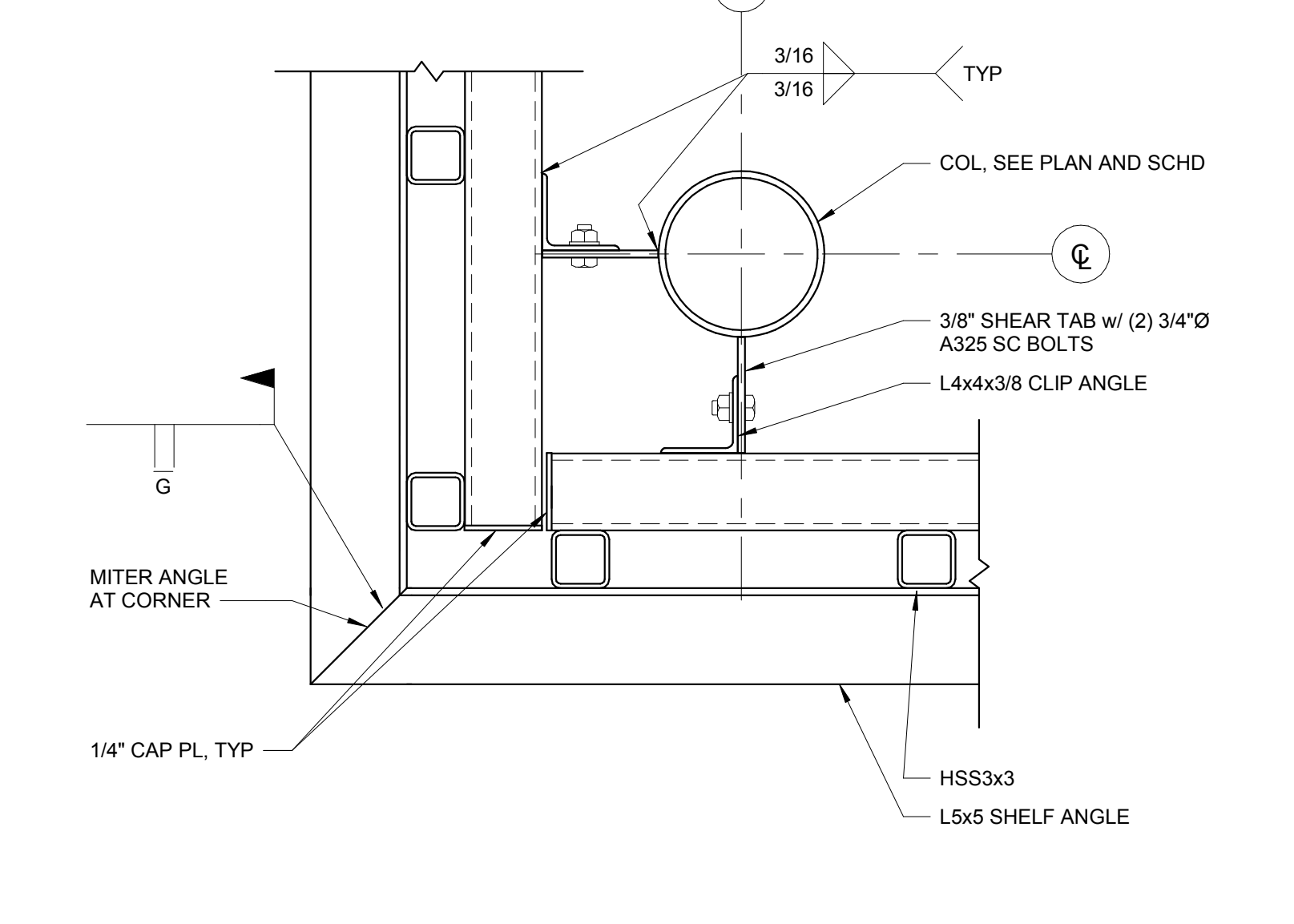
1D SECTION
S314 3/4" = 1'-0"



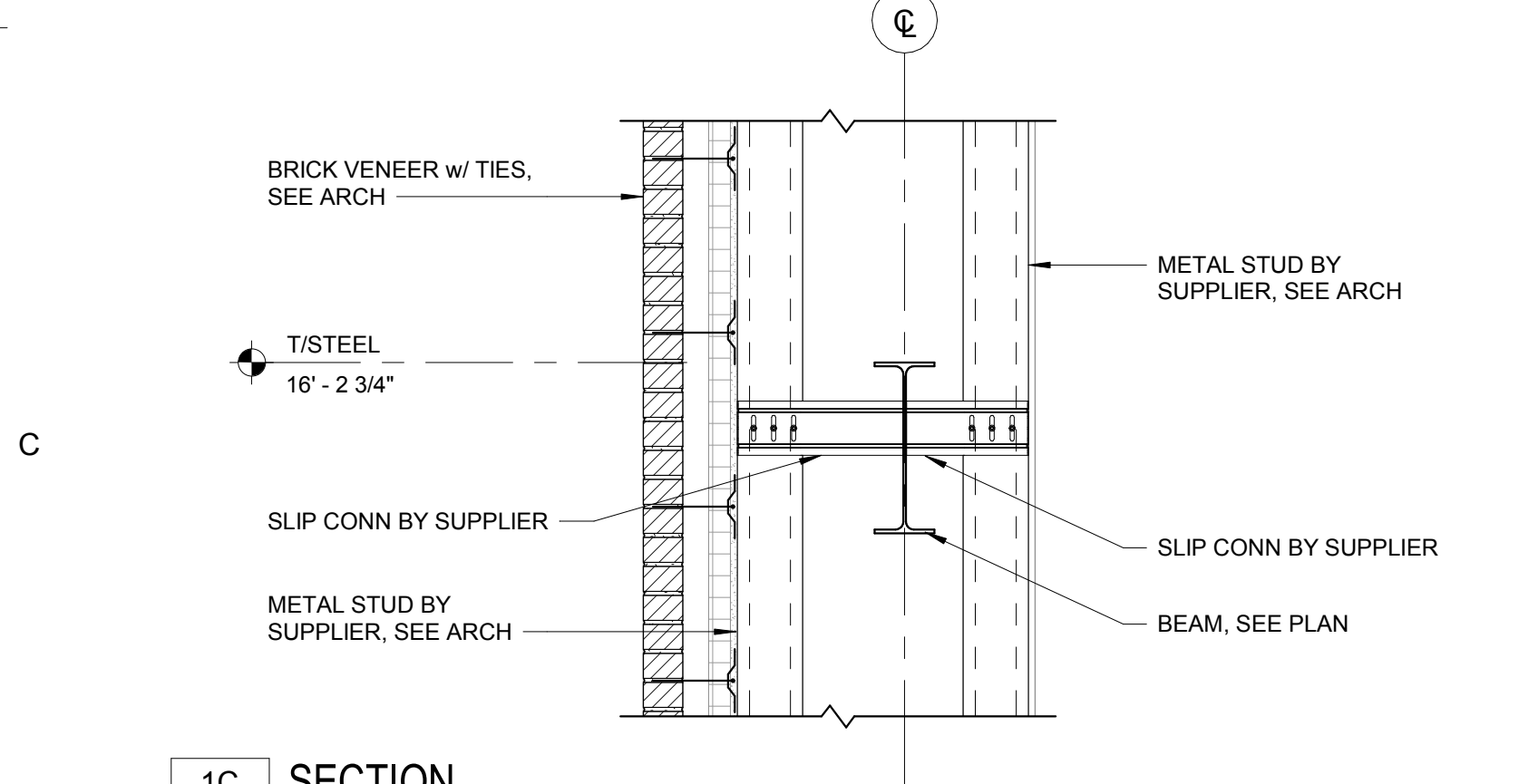
3D SECTION
S314 3/4" = 1'-0"
NOTES:
1. AT SIM, DECK ORIENTATION VARIES.



5D SECTION
S314 3/4" = 1'-0"



6D PLAN DETAIL
S314 1 1/2" = 1'-0"
NOTES:
1. SEE 1E / S313 FOR DETAILS NOT NOTED HERE.



1C SECTION
S314 3/4" = 1'-0"

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ISSUE FOR
CONSTRUCTION DOCUMENTS

ISSUE DATE
06.28.2019

REVISIONS NO.	REASON	DATE

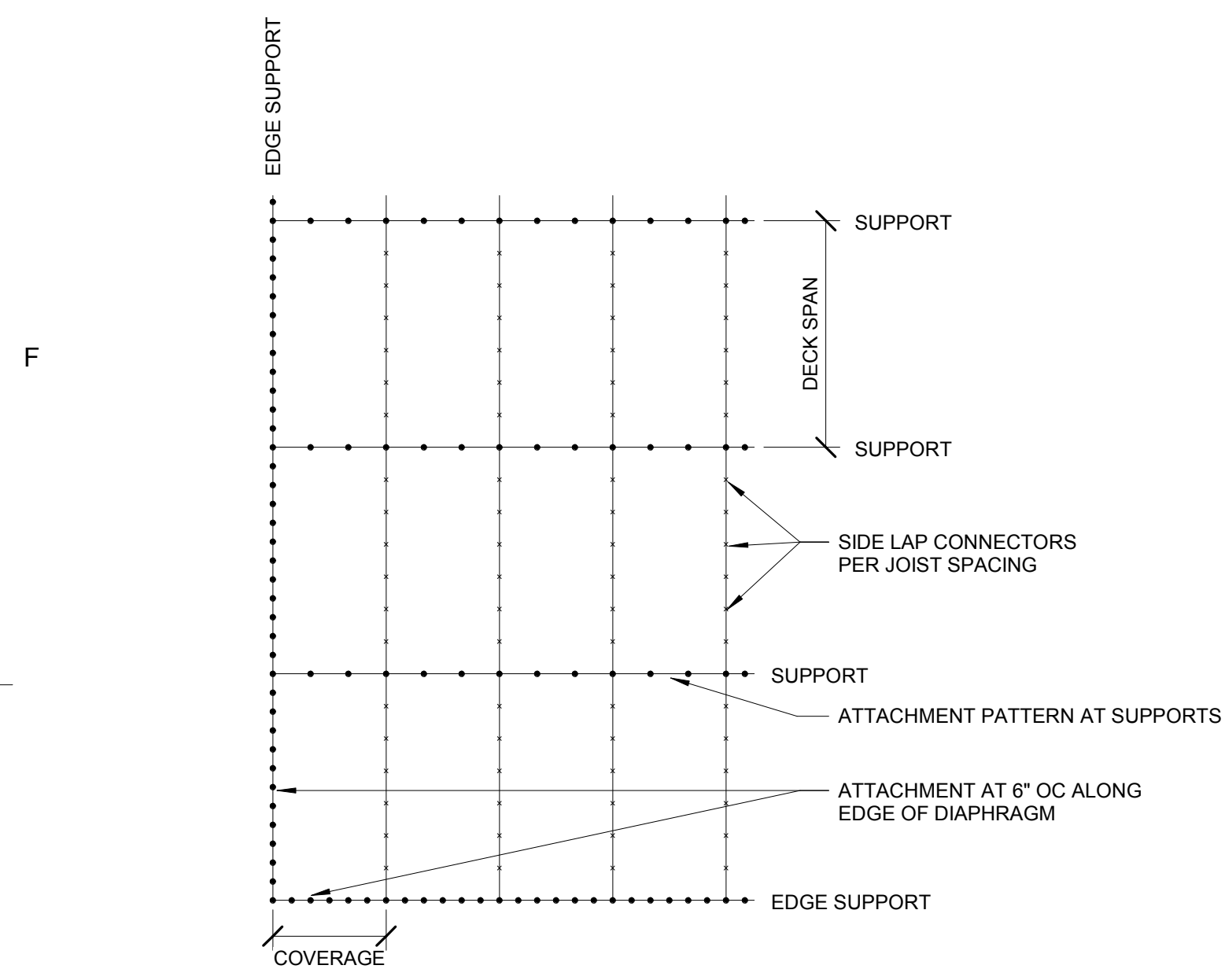
PROJECT TEAM
PRINCIPAL IN CHARGE
JULIE MCLAURIN, AIA
PROJECT MANAGER
ERIC SCHOENAGEL, AIA
DESIGN TEAM
SARAH MUSSER, PE

HARNETT COUNTY
GOVERNMENT RESOURCE
CENTER AND LIBRARY

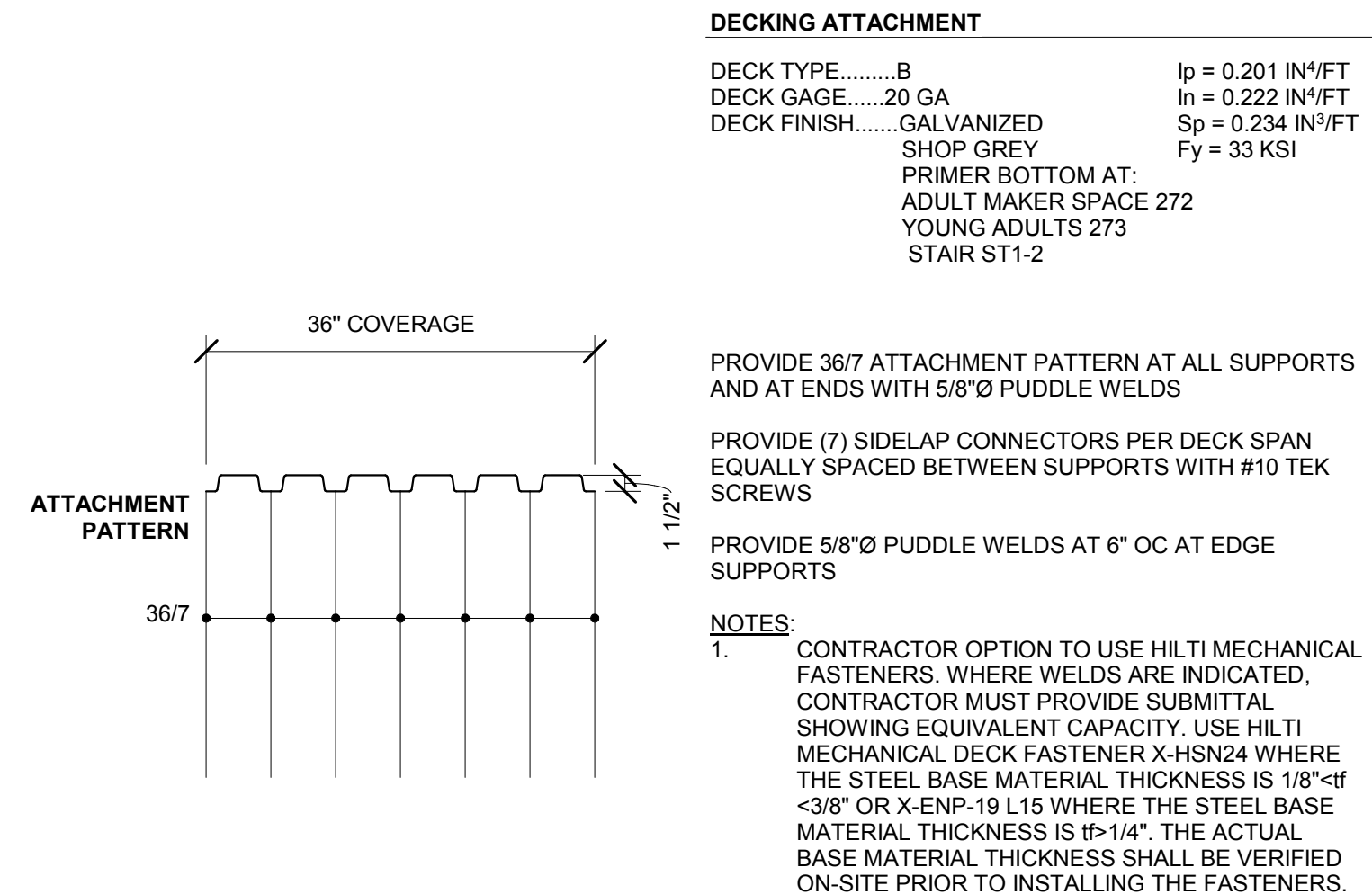
PROJECT NO.
514-8066-00

SHEET TITLE
FLOOR FRAMING DETAILS

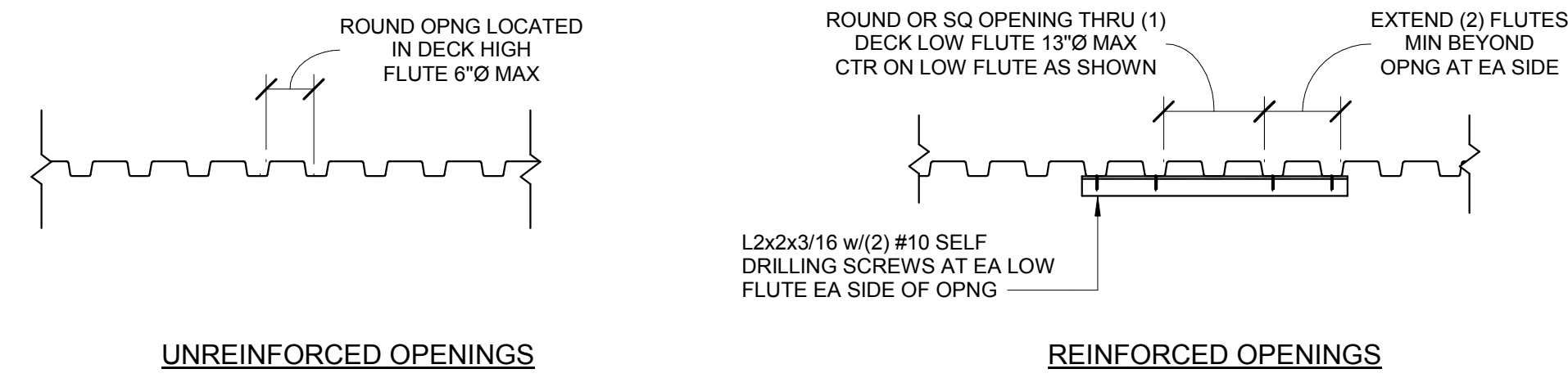
SHEET NUMBER
S314



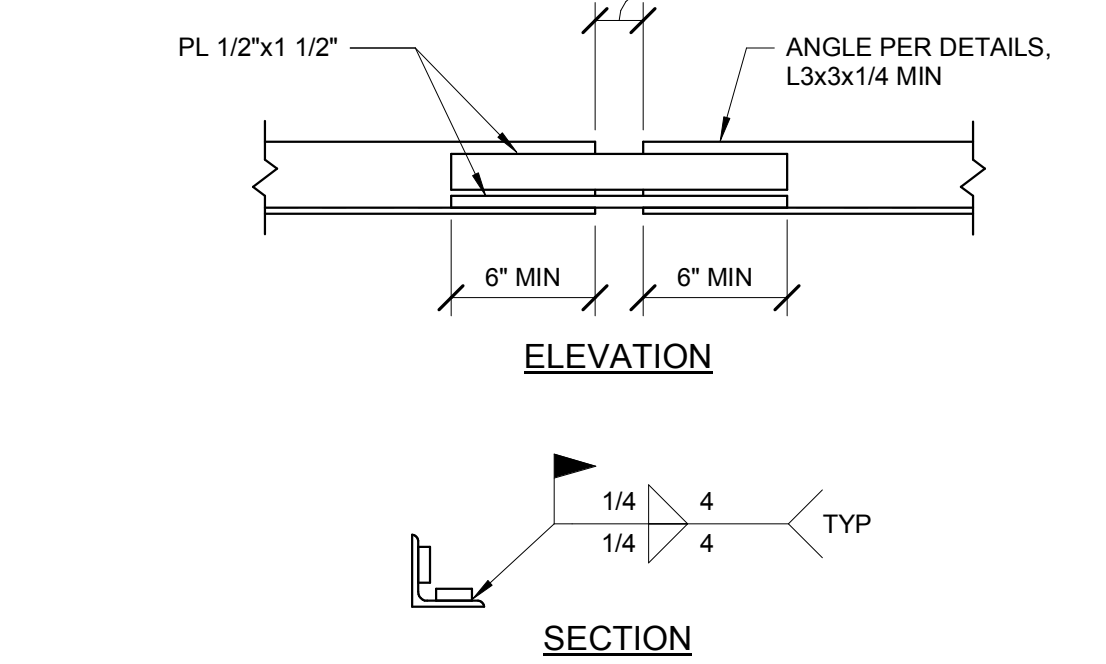
1E PLAN VIEW OF DECK ATTACHMENT
S321 NOT TO SCALE



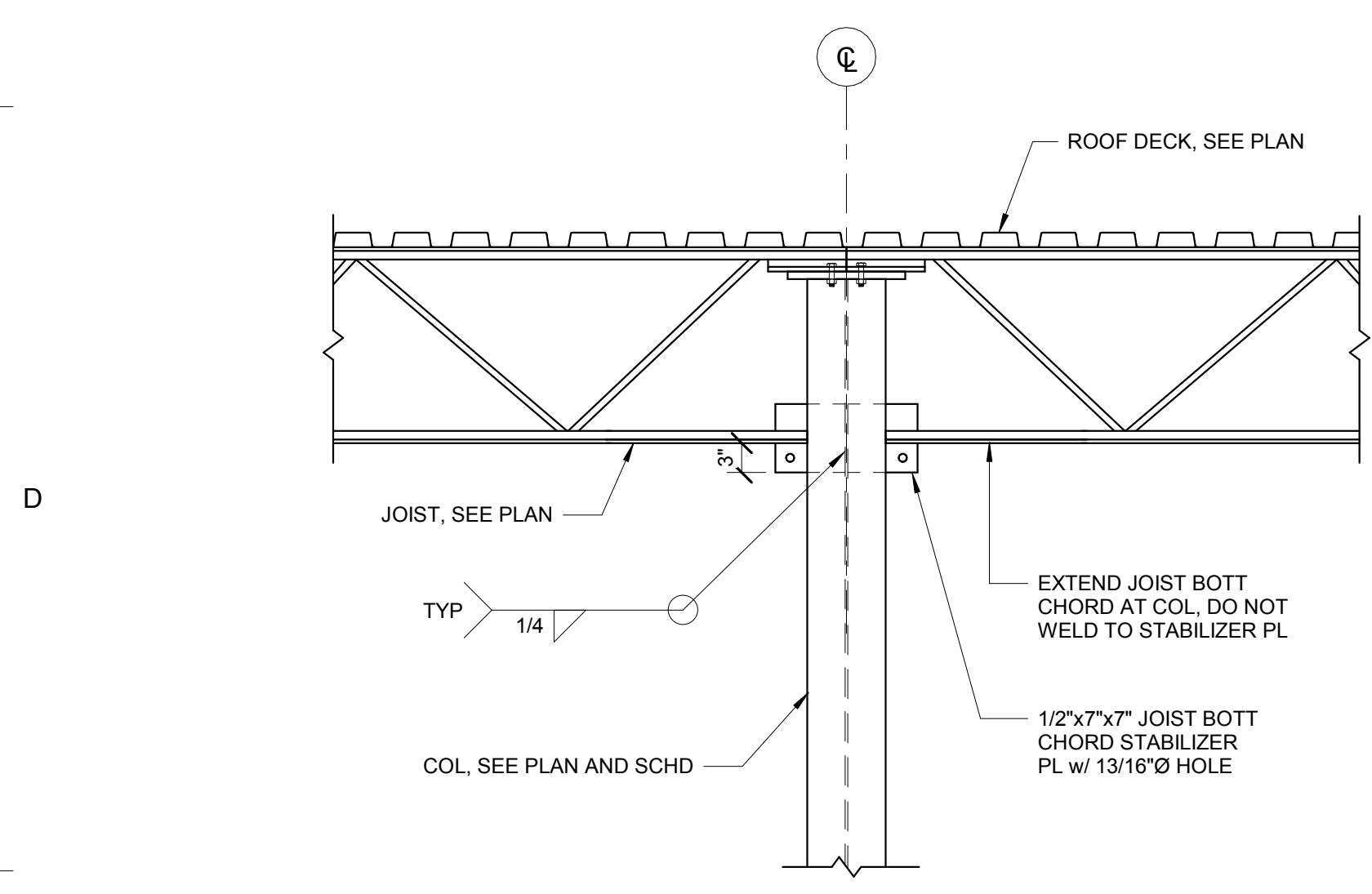
3E ROOF DECK ATTACHMENT SCHEDULE
S321 NOT TO SCALE



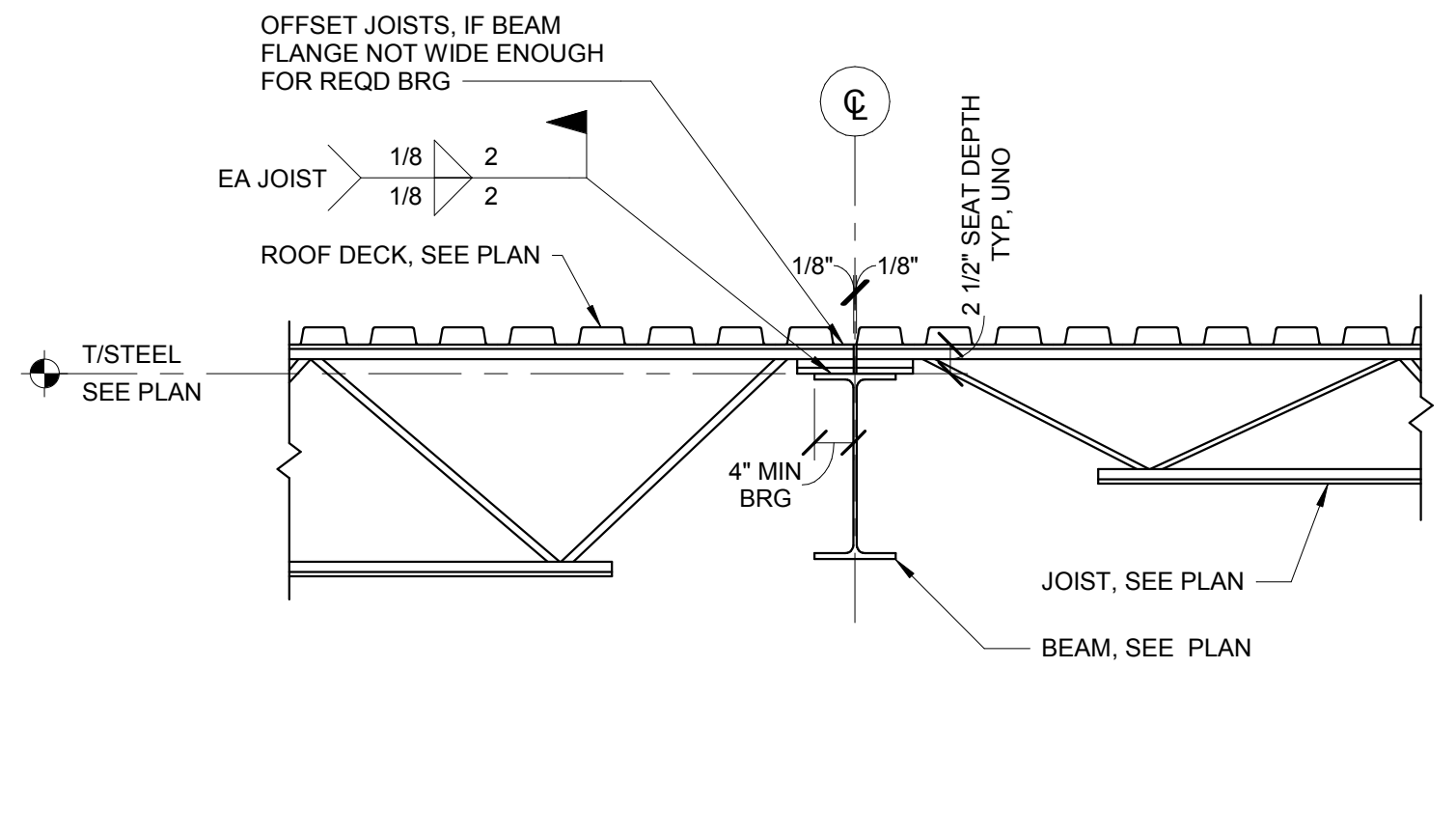
4E ROOF DECK REINFORCEMENT AT OPENINGS
S321 NOT TO SCALE



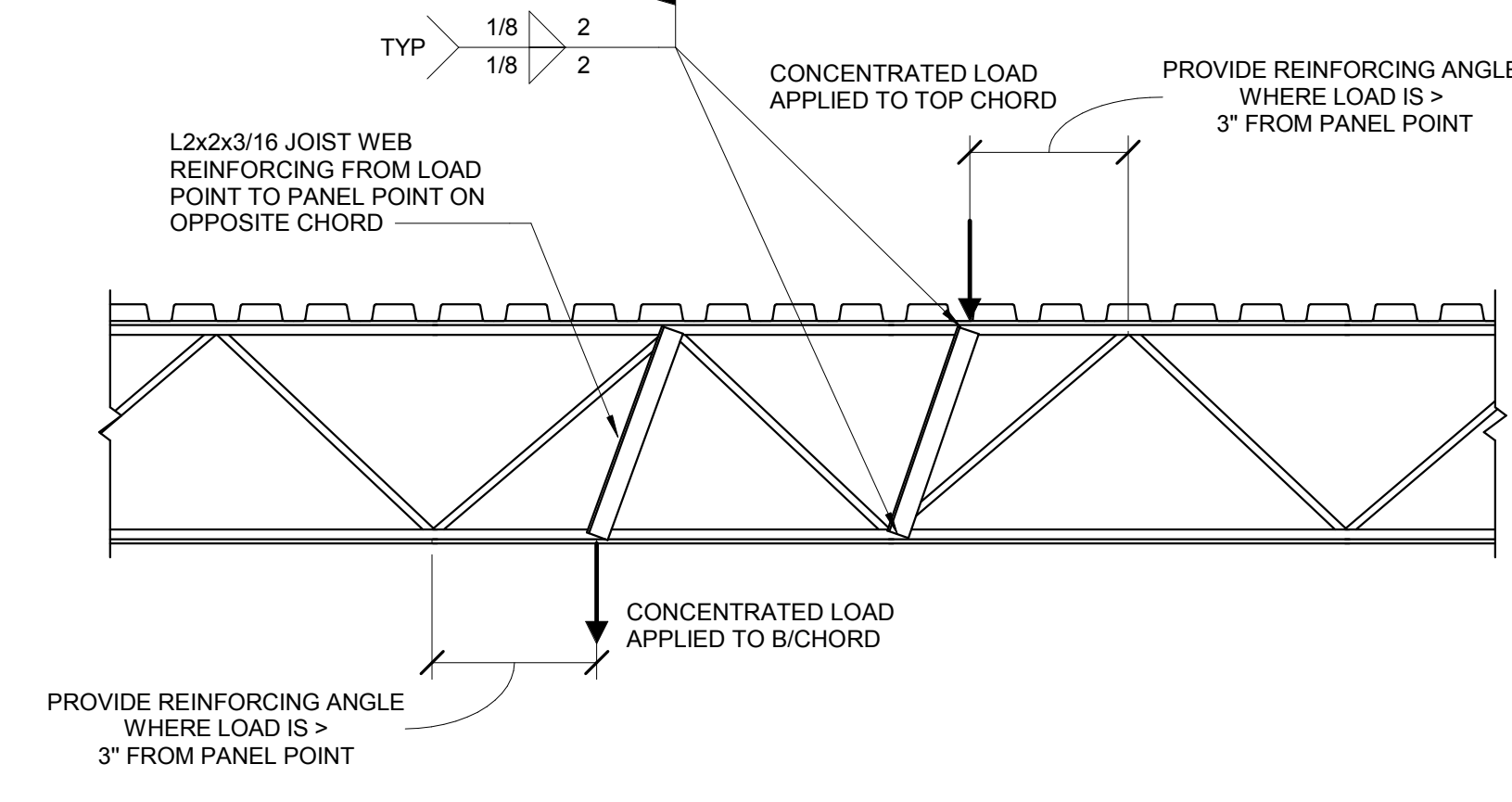
7E ROOF PERIMETER ANGLE SPLICE DETAIL
S321 NOT TO SCALE



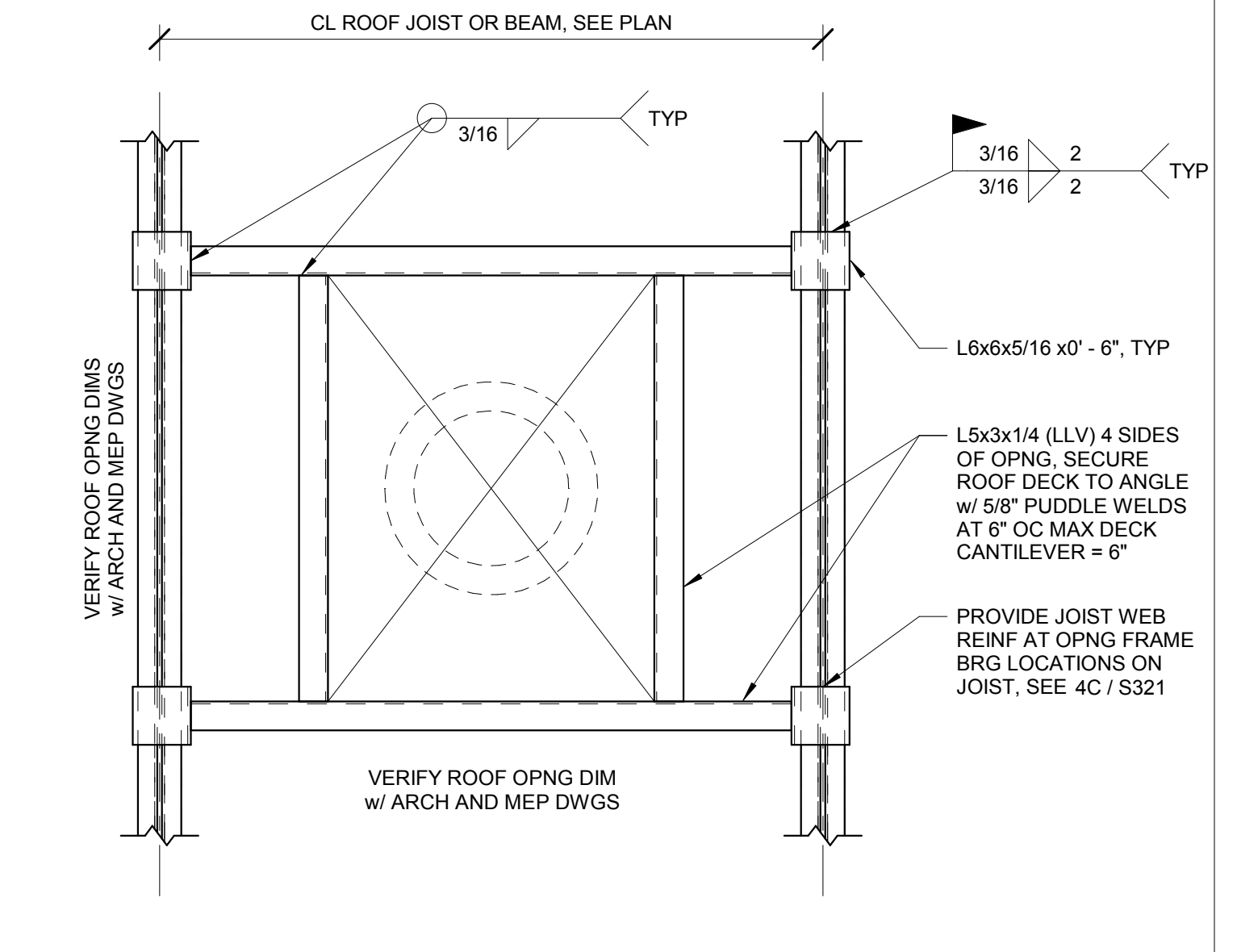
1C JOIST BEARING DETAILS AT COLUMN
S321 NOT TO SCALE



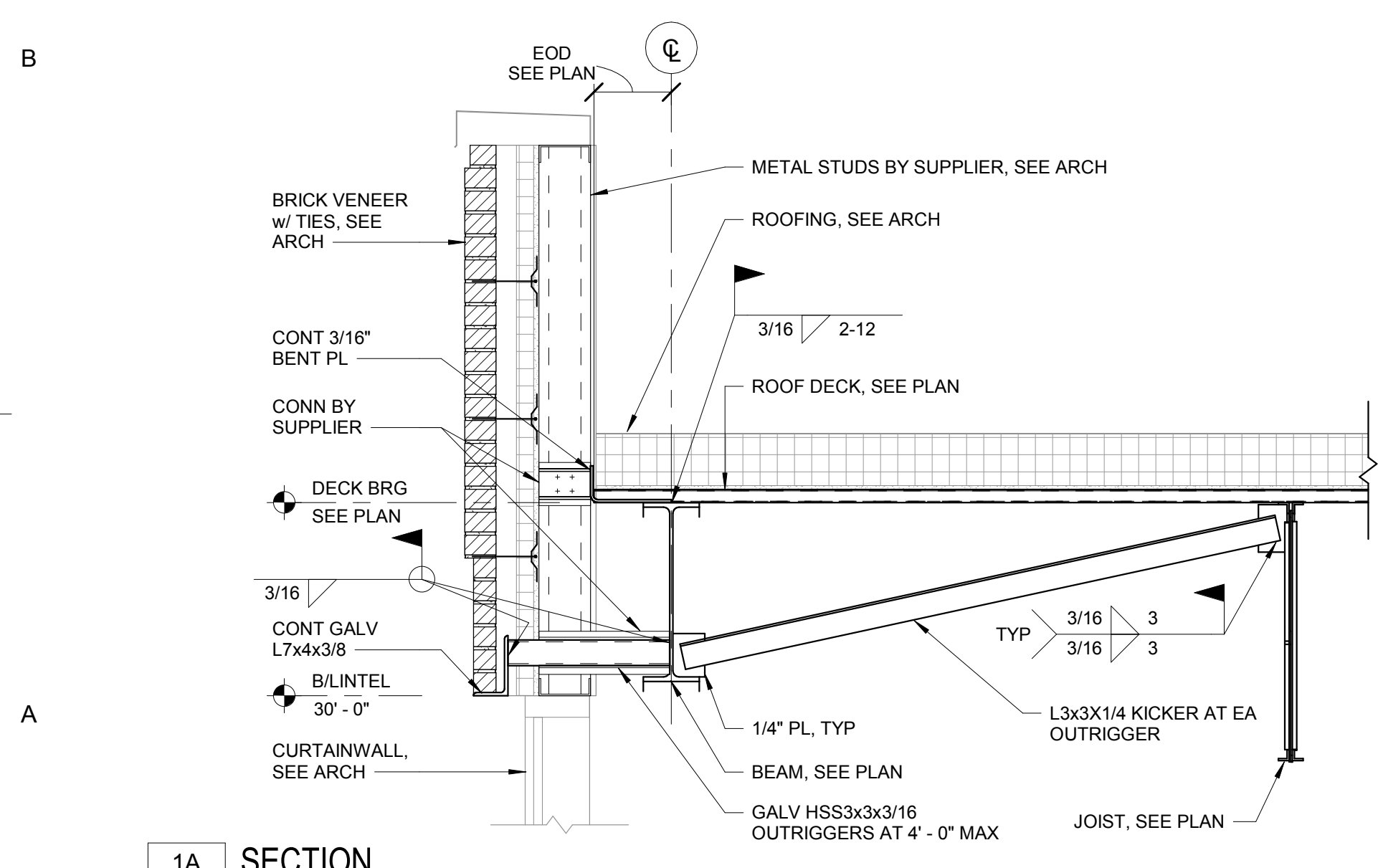
3C SECTION AT JOIST BEARING
S321 3/4\"/>



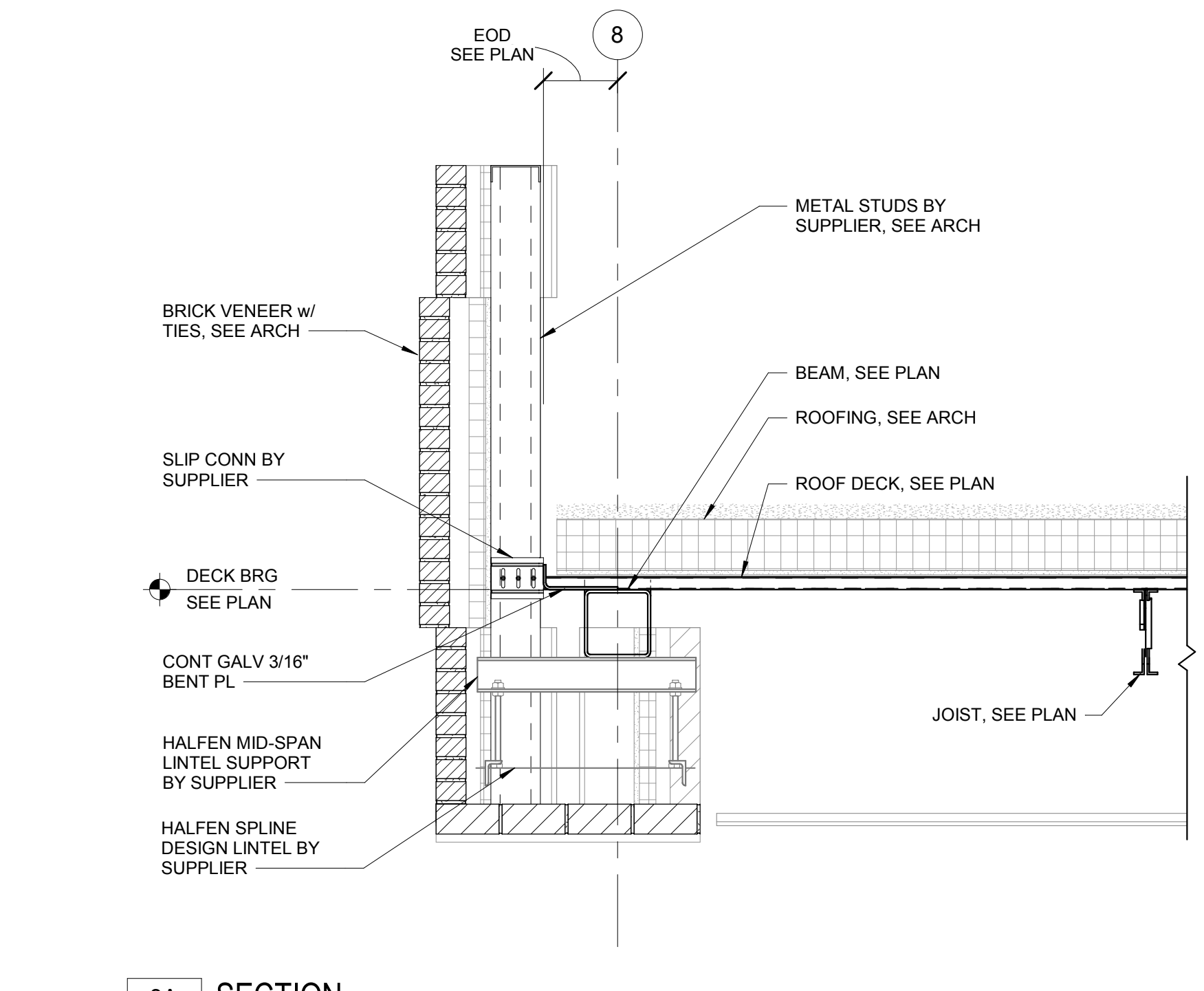
4C JOIST WEB REINFORCING DETAIL AT CONCENTRATED LOAD
S321 NOT TO SCALE



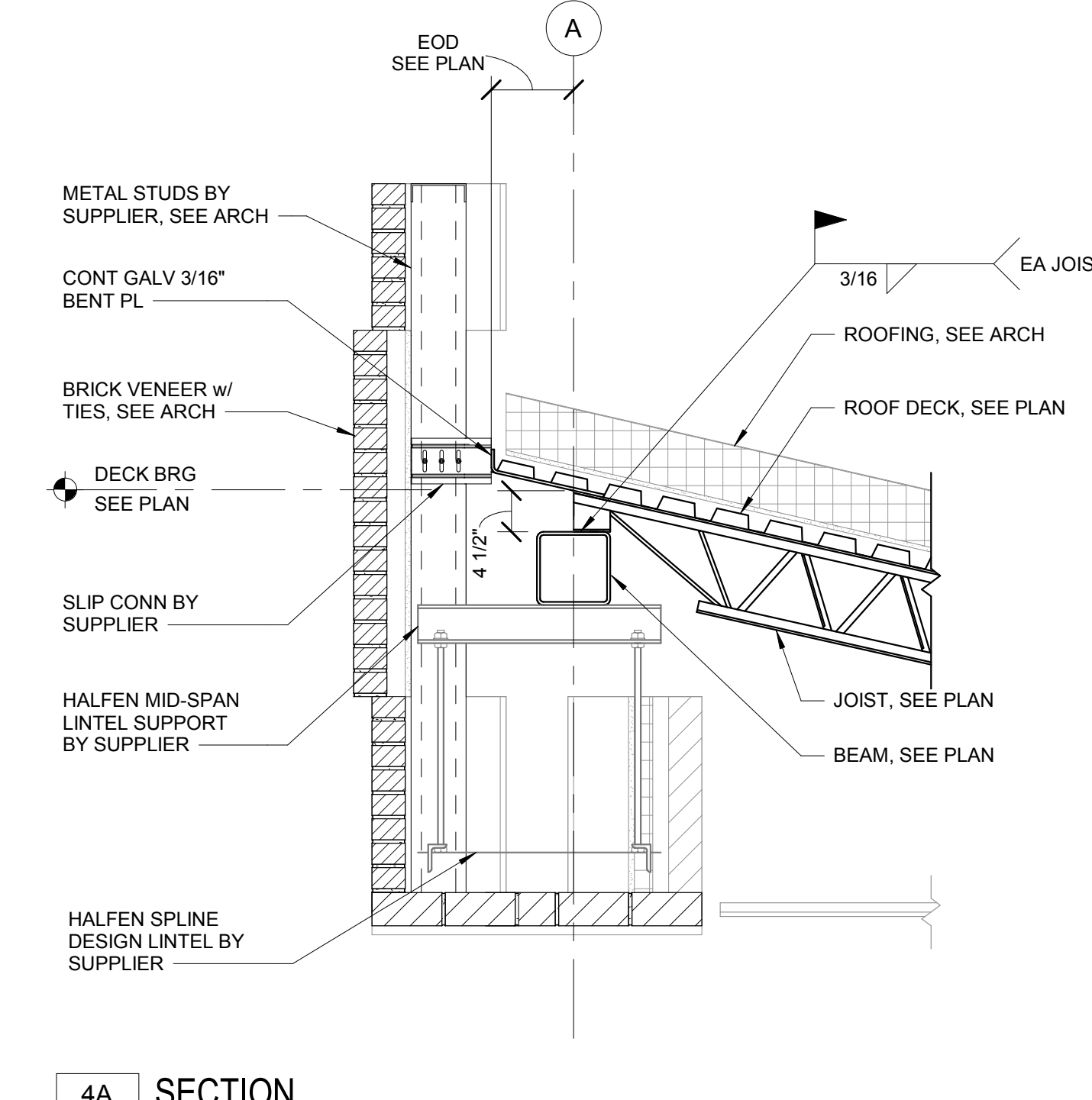
6C ROOF OPENING PLAN DETAIL
S321 NOT TO SCALE



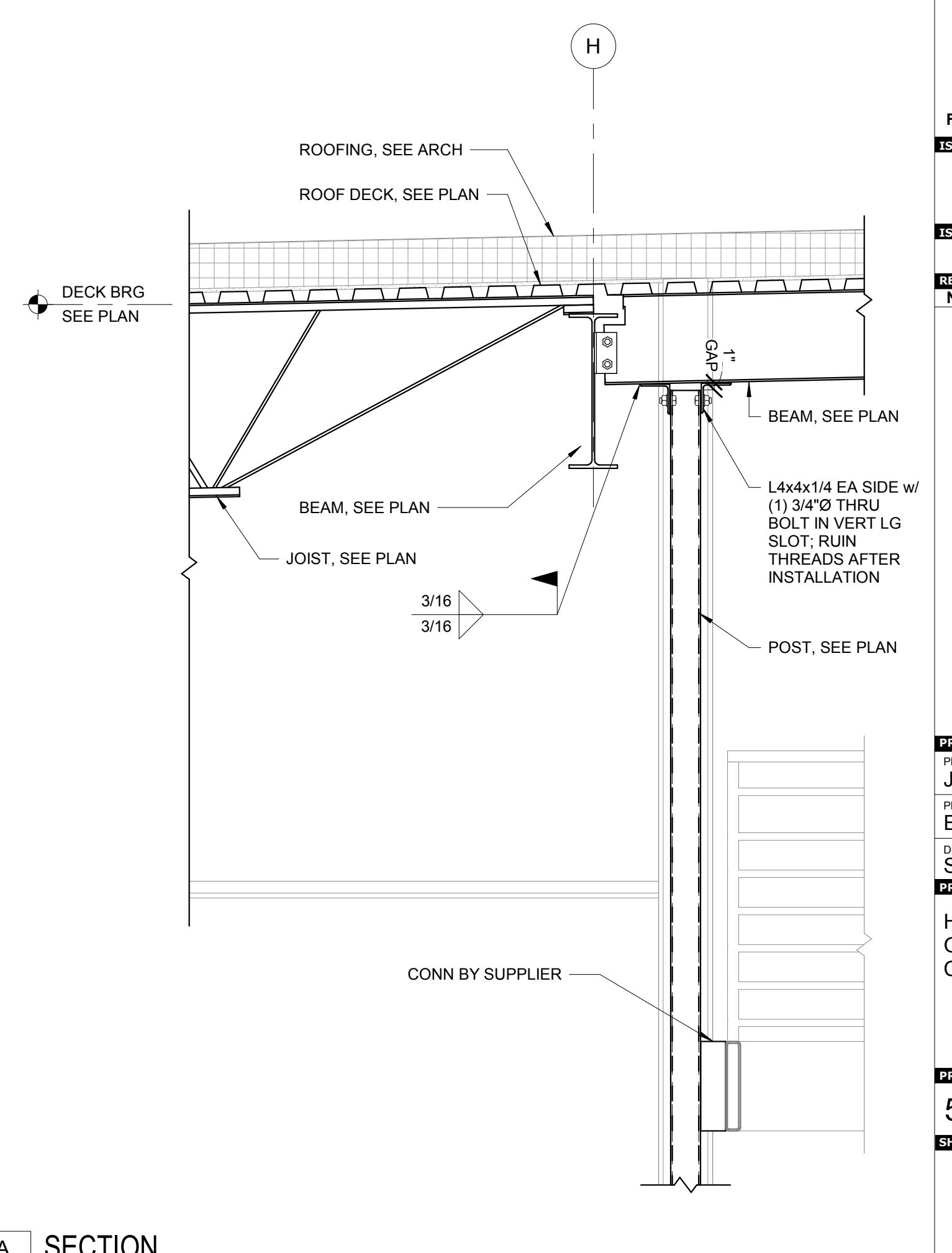
1A SECTION
S321 3/4\"/>



3A SECTION
S321 3/4\"/>



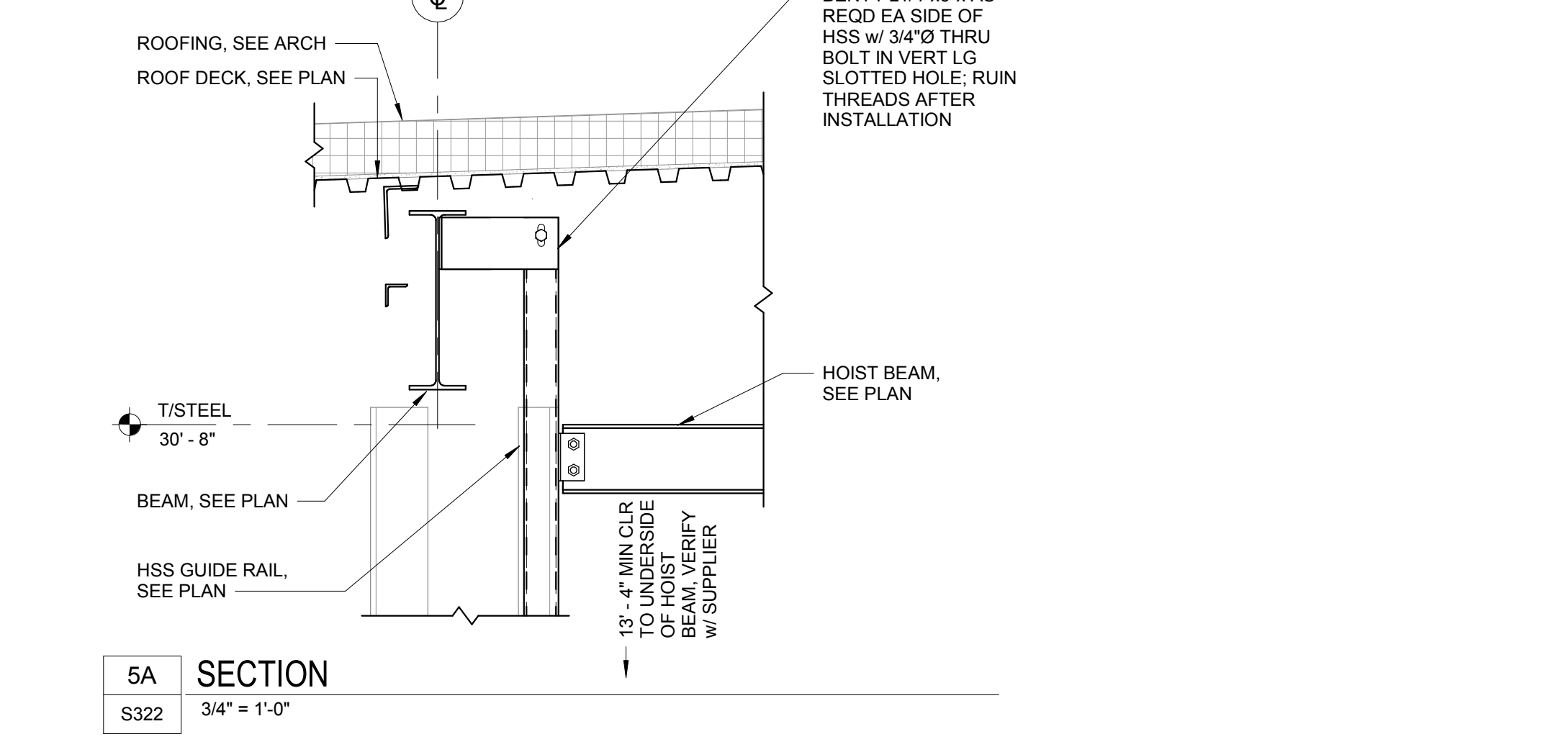
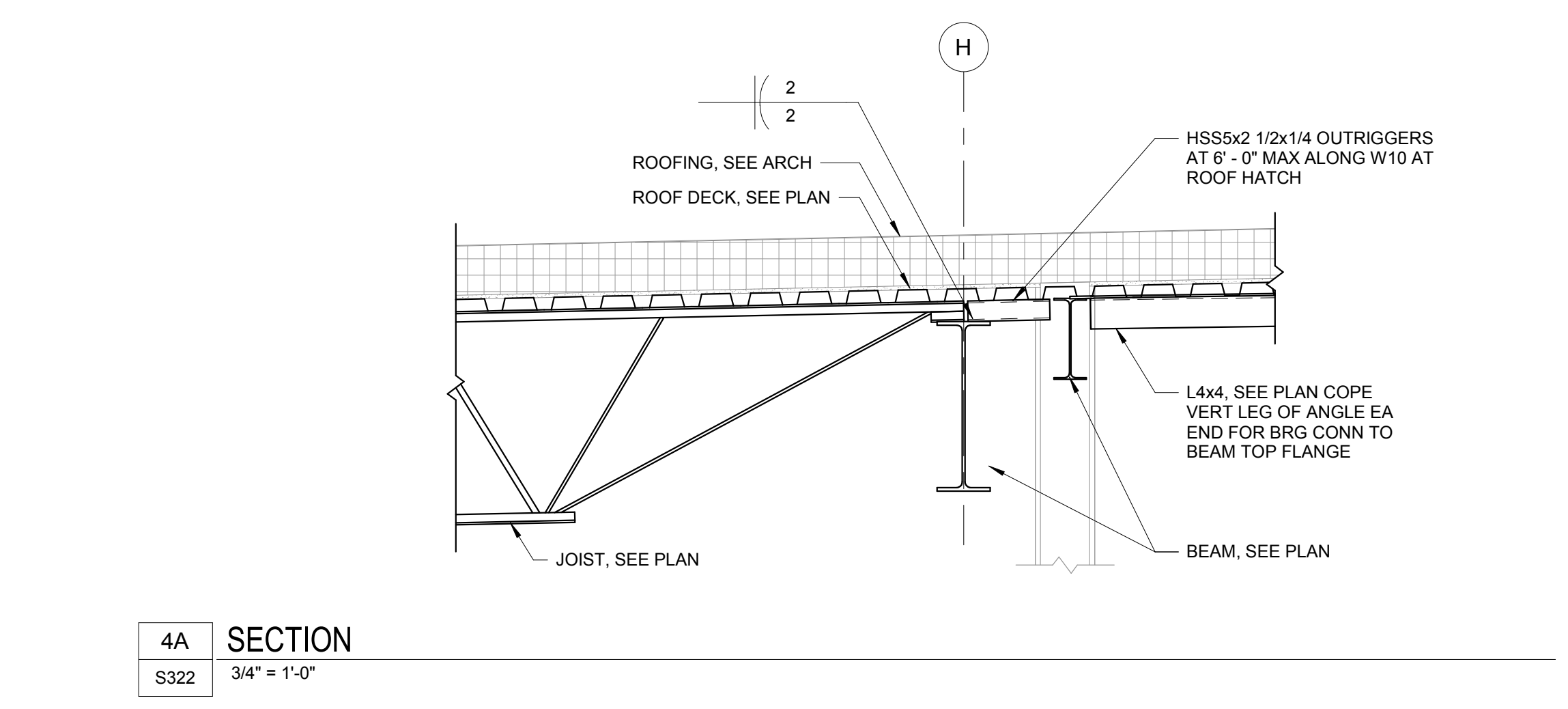
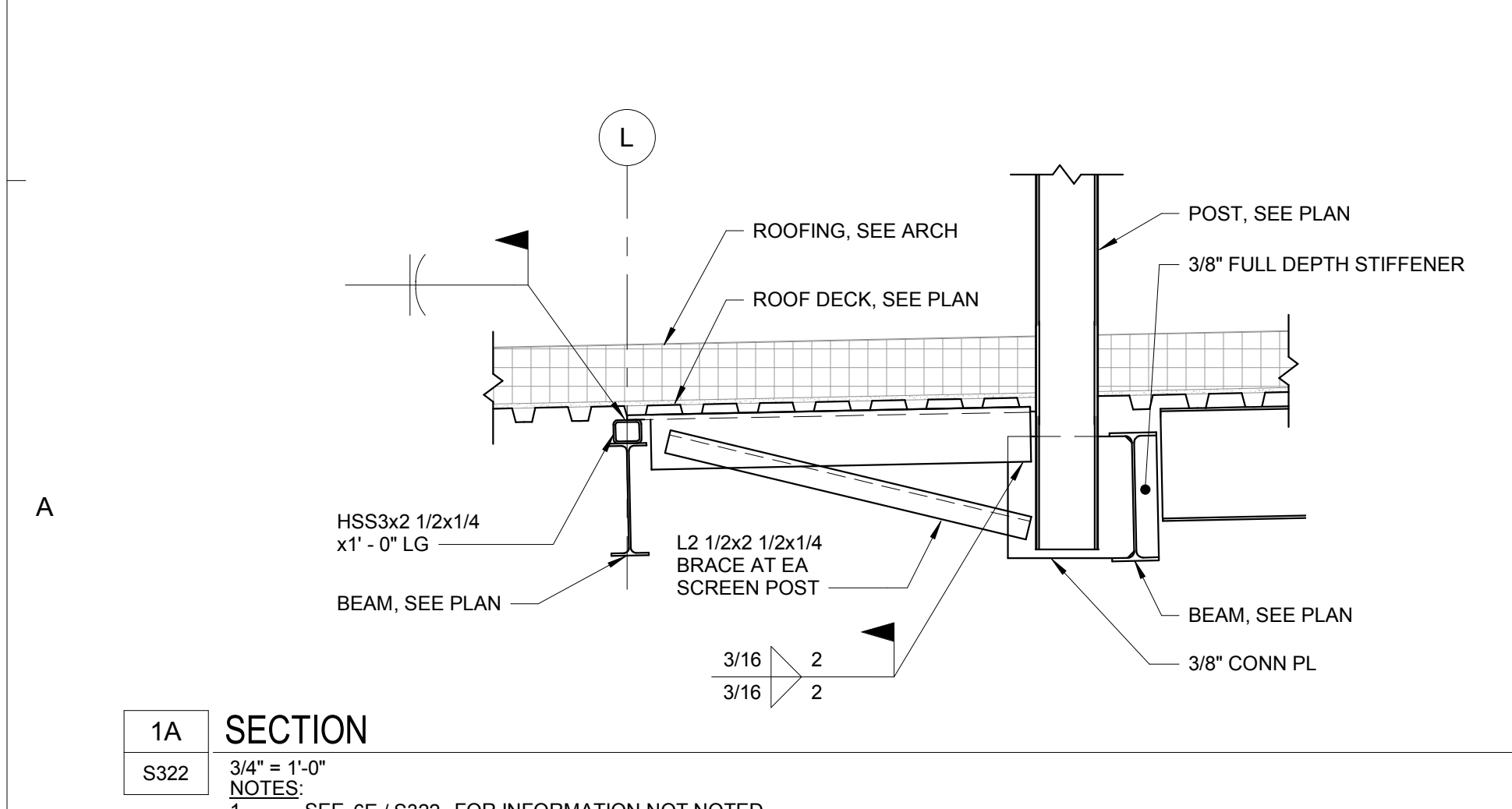
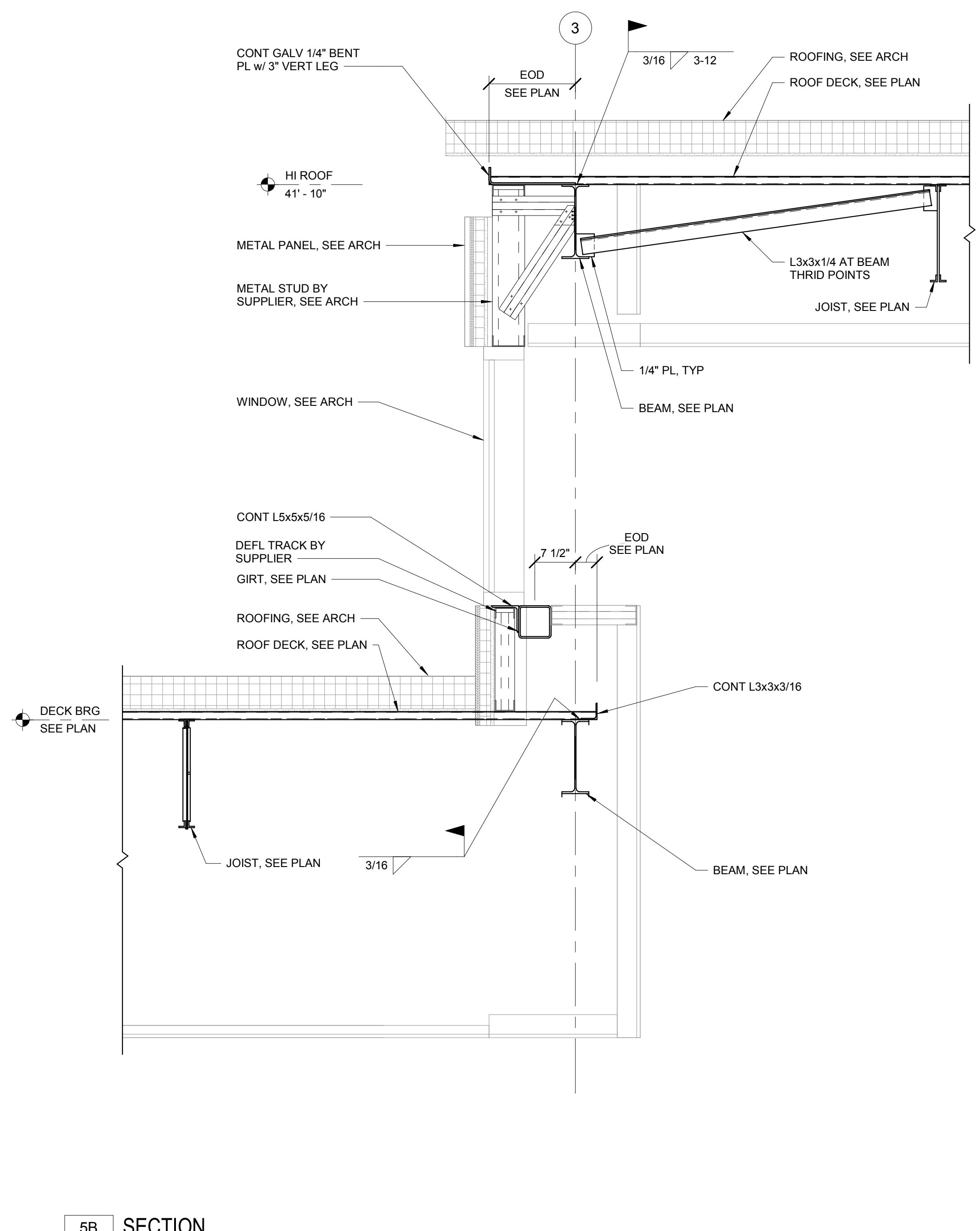
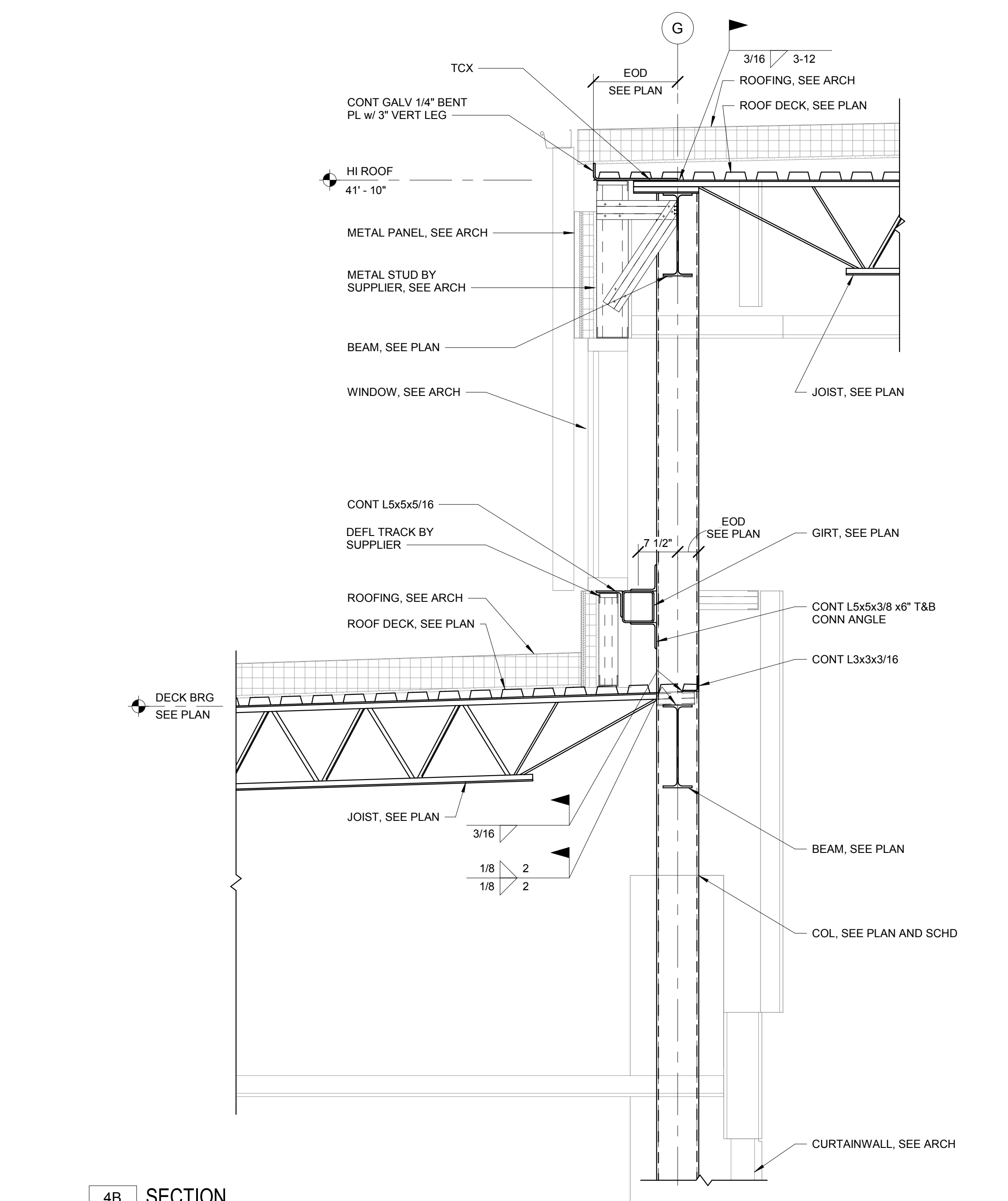
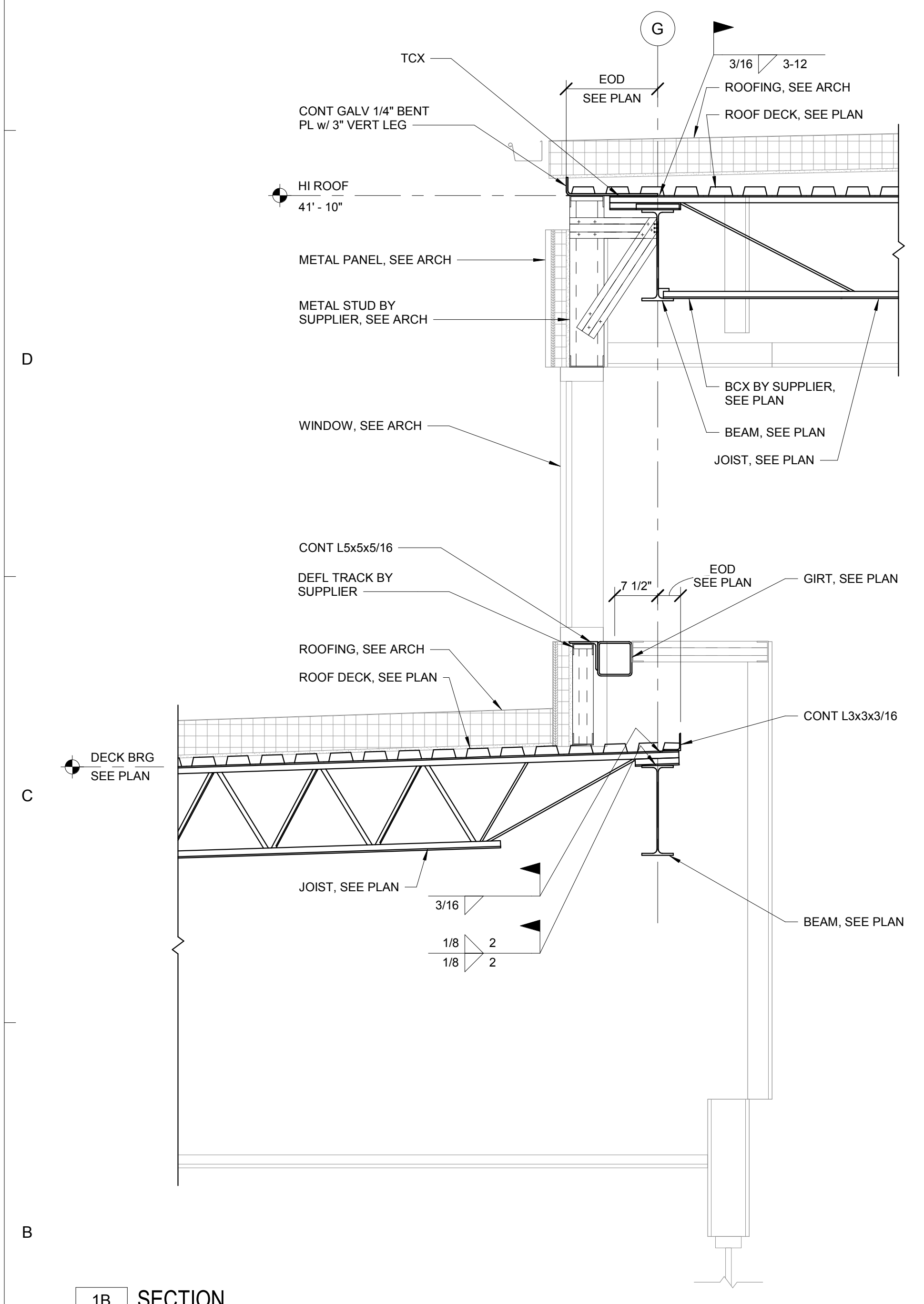
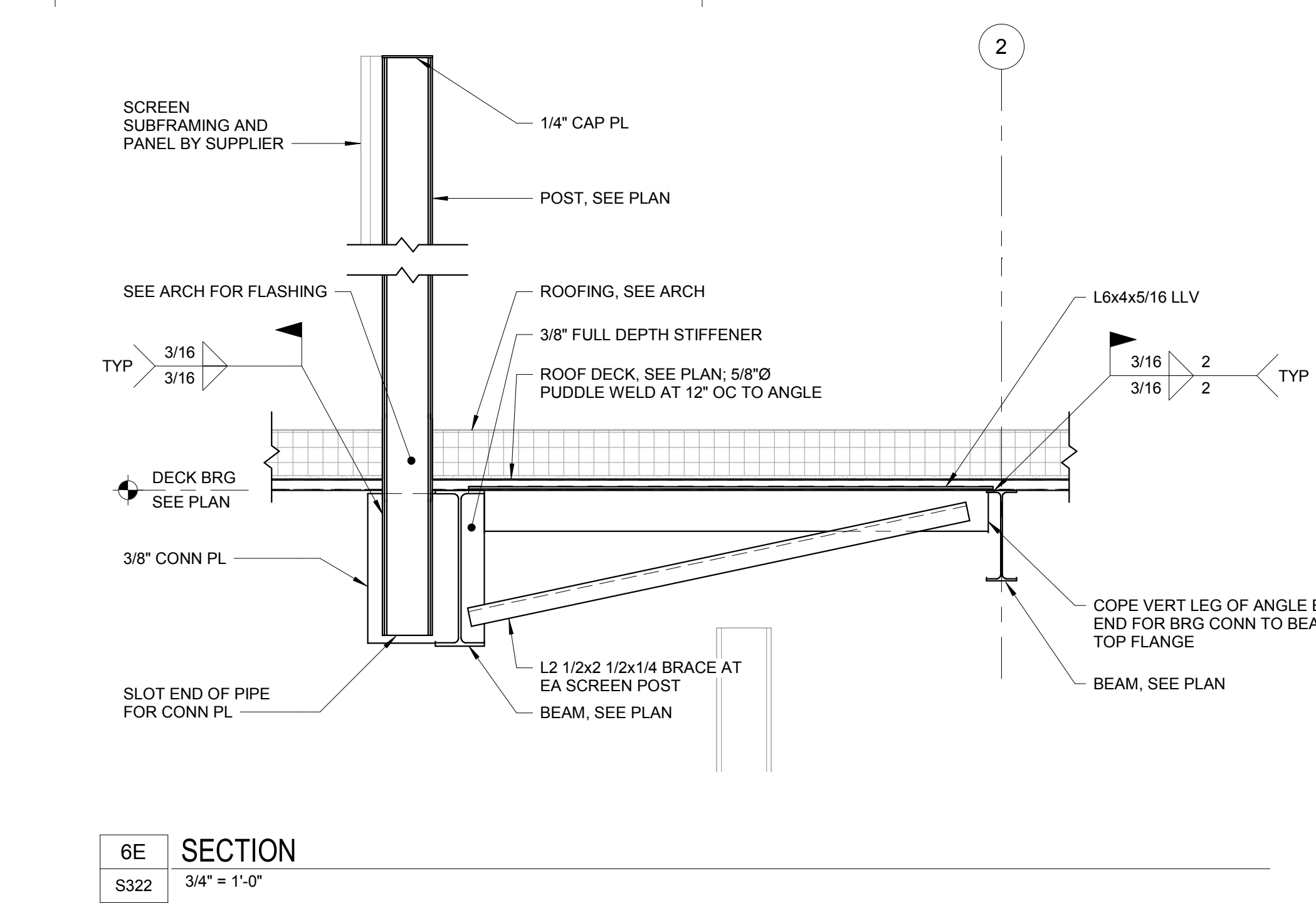
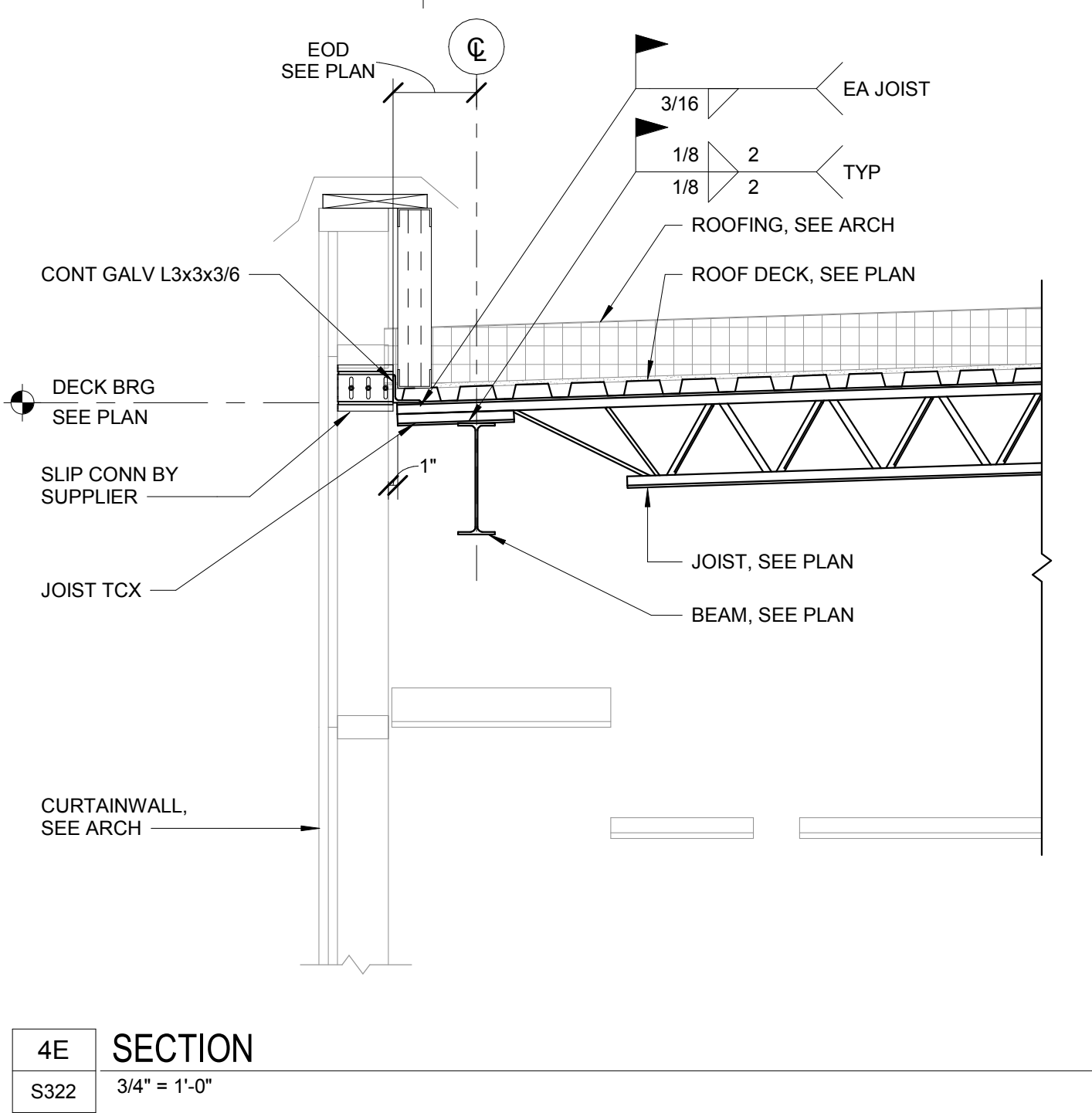
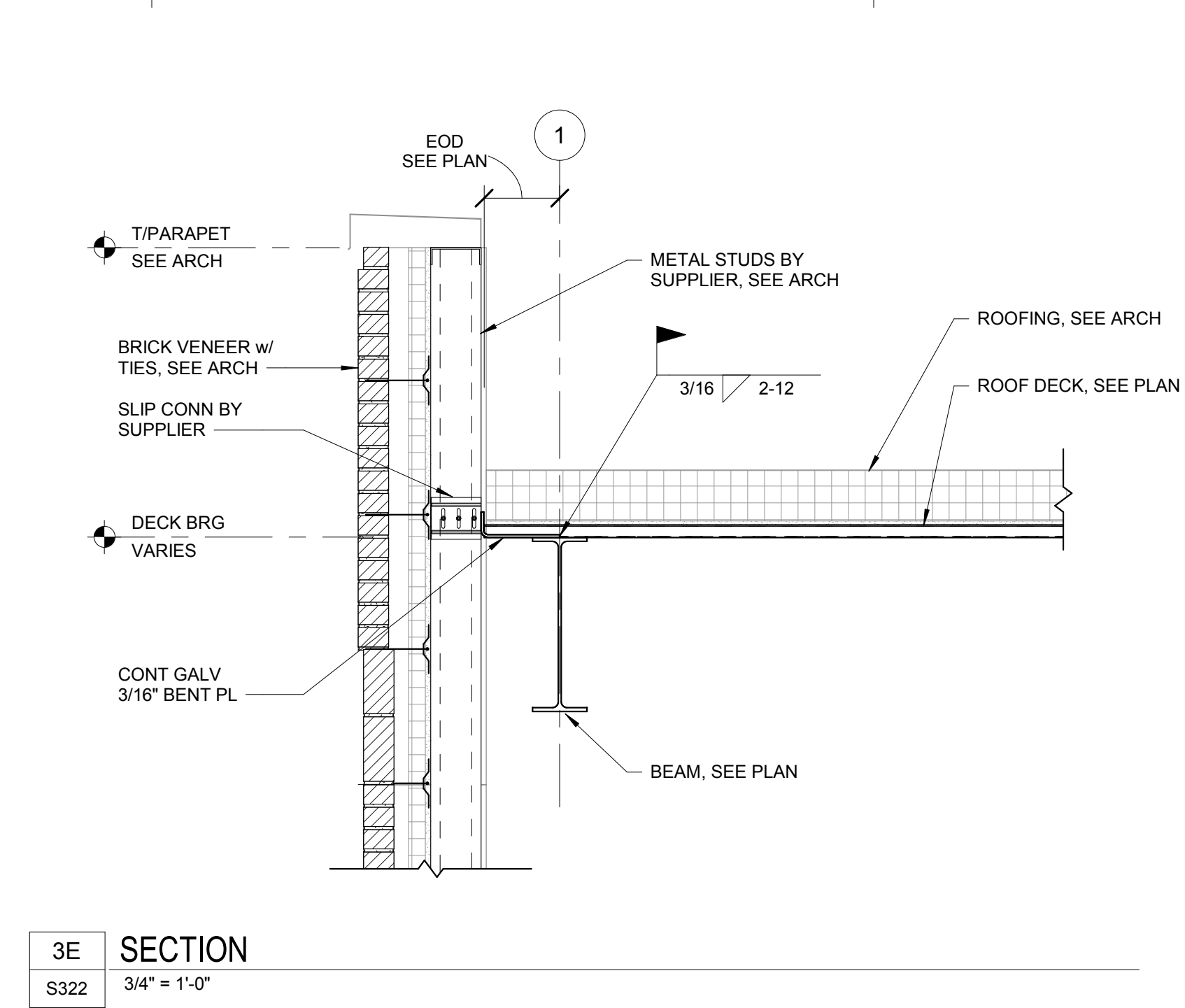
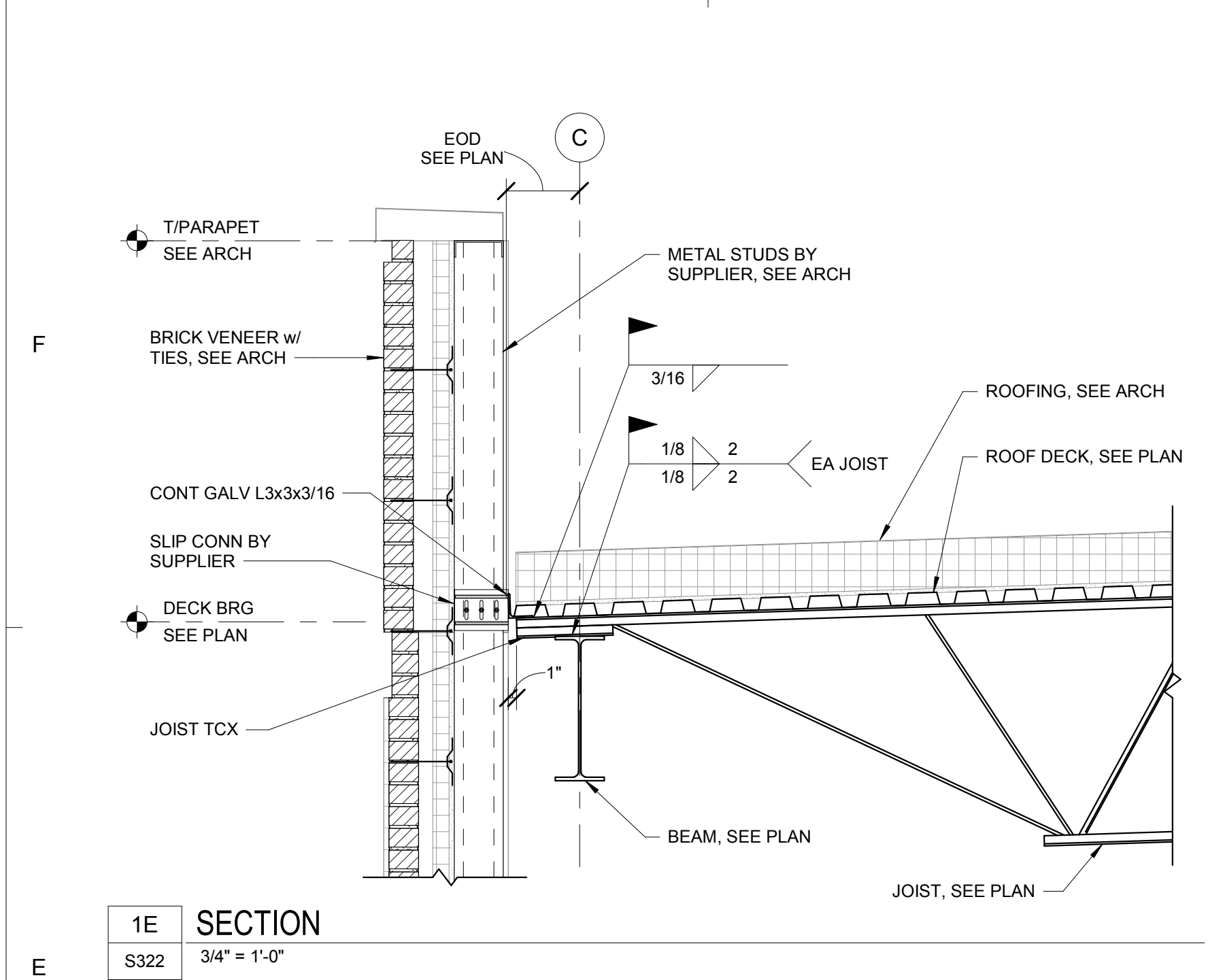
4A SECTION
S321 3/4\"/>



6A SECTION
S321 3/4\"/>



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NORTH CAROLINA
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ISSUE FOR CONSTRUCTION DOCUMENTS

ISSUE DATE: 06.28.2019

REVISIONS NO.	REASON	DATE

PROJECT TEAM:
PRINCIPAL IN CHARGE: JULIE MCLAURIN, AIA
PROJECT MANAGER: ERIC SCHOENAGEL, AIA
DESIGN TEAM: SARAH MUSSER, PE

HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY

PROJECT NO.: 514-8066-00

SHEET TITLE: ROOF FRAMING DETAILS

SHEET NUMBER: S322