

## GENERAL:

THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO INSERTS, ANCHORS, SLEEVES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM ALL THE FIELD DIMENSIONS ANY UNUSUAL CONSTRUCTION CONDITION THAT JEOPARDIZE SAFETY OF LABOR AND/OR PUBLIC. CONTRACTOR SHALL CONTACT ENGINEER IMMEDIATELY BEFORE PROGRESS. IN CASE OF AT THE TIME AND/OR IN FUTURE OR IN CASE OF THE DISCREPANCIES IN THE PROJECT. SPECIFIED MATERIALS AND FASTENERS ARE ALLOWABLE TO BE SUBSTITUTED WITH EQUAL GREATER SPECIFICATION.

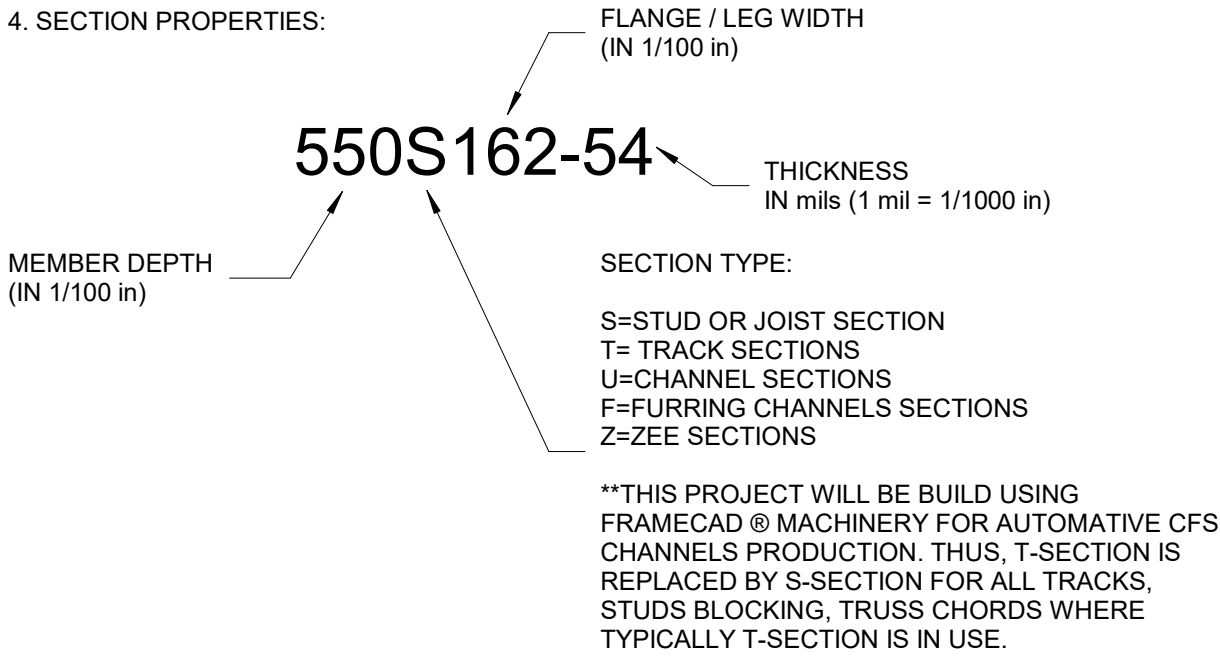
## COLD-FORMED STEEL NOTES:

1. ALL COLD FORMED STEEL STUDS, JOIST, TRACK & MISC. SHAPES MILL CERTIFIED STEEL TO MEET:  
A. ASTM A1003 ST GRADE 50, TYPE H 54-97 mil GALV. STEEL  
B. ASTM A1003 ST GRADE 33, TYPE H 18-43 mil GALV. STEEL

2. ALL STEEL STUDS, JOIST & TRACK SHALL HAVE A LEGIBLE LABEL, STAMP OR EMBOSSEMENT, AT A MAXIMUM OF 48" O.C., INDICATING THE MANUFACTURER'S NAME, LOGO OR INITIALS, ICC EVALUATION SERVICE REPORT NUMBER, THE MATERIAL BASE METAL THICKNESS (UNCOATED) IN .001 in. AND THE YIELD STRENGTH IF DIFFERENT THAN 33 ksi.

3. MILL CERTIFICATES FROM THE COIL PRODUCER SHALL BE MADE AVAILABLE IF REQUESTED. MILL CERTIFICATE TO INCLUDE AS A MINIMUM THE CHEMICAL COMPOSITION, YIELD STRENGTH, TENSILE STRENGTH, ELONGATION, AND COATING THICKNESS.

4. SECTION PROPERTIES:

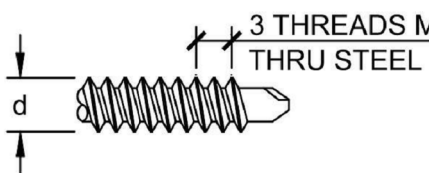


MINIMUM DELIVERABLE THICKNESS (mils)	GAUGE	DESIGN THICKNESS (INCHES)
33	20	0.0346
43	18	0.0451
54	16	0.0566
68	14	0.0713
97	12	0.1017
118	10	0.1242

5. STUDS AND TRACKS THAT COMPRISE A HEADER, STRONGBACK OR SILL SHALL NOT BE SPLICED. CURVED HEADERS, STRONGBACKS, AND SPANDREL TRACKS SHALL BE STRETCH FORMED, CLIPPING OR CRIMPING OF FLANGES OR WEBS IS NOT PERMITTED. IF OTHER PROPRIETARY CURVED PRODUCTS ARE PROPOSED THEY SHALL BE SUBMITTED TO DEVCO, WITH APPROPRIATE CALCULATIONS AND/OR TESTING, FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

6. EXTERIOR AND INTERIOR FRAMING, SHEATHING AND FINISH MATERIAL SHALL NOT BRIDGE DEFLECTION JOINTS (COMPENSATION CHANNEL), SEISMIC JOINTS, EXPANSION JOINTS, OR ANY LOCATION WHERE DIFFERENTIAL MOVEMENT OF THE STRUCTURE IS EXPECTED. EXCEPT AS SPECIFICALLY DETAILED WITHIN, SLIP JOINTS SHALL BE INSTALLED BETWEEN FRAMING SUPPORTED BY DIFFERENT FLOORS/ROOF(S). FOR EXAMPLE, A VERTICAL SLIP JOINT SHALL BE INSTALLED BETWEEN A SOFFIT HANGER AND A WALL.

7. SCREW VALUES USED IN DESIGN MEET 2007 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (AISI S100-07/S2-10) INCLUDING THE 2010 SUPPLEMENT SECTION E4 FOR SCREW CONNECTIONS. SCREWS TO CONFORM TO SAE J78.



8. WELDING:  
A. WELDING TO BE PER AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL".

- B. WELDS TO BE INSPECTED PER APPLICABLE BUILDING CODE.  
C. MINIMUM E60XX ELECTRODES.  
D. USE LOW HYDROGEN ELECTRODES FOR WELDING SHEET STEEL TO STRUCTURAL STEEL GREATER THAN 1/4" IN THICKNESS.  
E. ELECTRODES MUST BE ACCEPTABLE (PER THE ROD MANUFACTURER) FOR USE IN SEISMIC APPLICATIONS.  
F. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH A ZINC RICH PRIMER.  
G. FOR MATERIALS LESS THAN OR EQUAL TO 0.1242" THICK, DRAWINGS SHOW NOMINAL WELD SIZE. FOR SUCH MATERIALS THE EFFECTIVE THROAT OF WELDS SHALL NOT BE LESS THAN THE THICKNESS OF THE THINNEST CONNECTED PART.

## STRUCTURAL STEEL NOTES:

1. ALL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION. WELDING SHALL CONFORM TO THE LATEST AWS AND AISC SPECIFICATIONS.

2. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE AND WITHIN THE TOLERANCES SPECIFIED IN THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL.

3. IT IS SPECIFICALLY NOTED THAT BURNED HOLES ARE NOT ACCEPTABLE UNLESS SPECIAL PERMISSION IS GIVEN BY ENGINEER.

4. ALL SHOP FABRICATED WORK SHALL BE DONE IN A SHOP APPROVED BY THE GOVERNING AGENCY. FABRICATOR SHALL SUBMIT PROGRAM OF WELDING INSPECTION TO ENGINEER FOR APPROVAL.

5. ALL STRUCTURAL STEEL SHALL BE AS FOLLOWS UNO:

ALL WF, WT SHAPES:  
CONNECTION PL & MISC STEEL (UNO):  
GUSSET & COLLECTOR PLATES:  
PIPE COLUMNS (TYPE S, SEAMLESS):  
STRUCTURAL TUBING:  
ANGLE, CHANNELS:  
THREADED ROD:  
HEADED SHEAR STUDS:

A992 GRADE 50  
ASTM A36  
ASTM A572 GRADE 50  
ASTM A53 GRADE B  
ASTM A500 GRADE B  
ASTM A36  
ASTM A36  
ASTM A108,  
GRADES 1015 TO 1020,  
TYPE 316, 50 ksi

ELECTRODES:

a) E70XX FOR A36

b) FOR OTHER STEEL  
GRADES USE MATCHING WELD METAL AND PROCESSES

6. ALL HIGH STRENGTH BOLTS SHALL BE ASTM A325-N TYPE UNLESS OTHERWISE NOTED.

7. ALL BOLTS USED FOR ERECTION SHALL BE ASTM A325 TYPE WITH THREADS EXCLUDED FROM SHEAR PLANES.

8. ALL PLAIN ANCHORS SHALL BE A36; ALL ANCHOR BOLTS SHALL COMPLY WITH ASTM F1554, 3" MINIMUM CONCRETE COVER WILL BE PLACED AROUND ALL ANCHOR BOLTS EXPOSED TO THE WEATHER, U.N.O.

9. WELDING MATERIALS: PROVIDE TYPE REQUIRED FOR MATERIALS BEING WELDED, PER AWS D1.1.

10. PROVIDE CONTINUOUS INSPECTION FOR ALL FABRICATION AND WELDING OF STRUCTURAL STEEL AS REQUIRED PER CODE REQUIREMENTS.

11. ALL COMPLETE PENETRATION GROOVE WELDS IN JOINTS AND SPLICES SHALL BE TESTED 100 PERCENT IN ACCORDANCE WITH IBC. USE ONE OF THE APPROVED METHODS OF TIGHTENING HIGH STRENGTH BOLTS.

12. A WELDING SEQUENCE SHALL BE PLANNED TO MINIMIZE RESIDUAL STRESSES AND DISTORTIONS OF INDIVIDUAL MEMBERS AND THE BUILDING RAME. ALL DETAILING, FABRICATION, AND ERECTION SHALL COMPLY WITH AISC, LATEST EDITION.

13. UNLESS OTHERWISE NOTED, ALL STIFFENER PLATES ARE 3/8" THICK MINIMUM AND ALL BUTT WELDS ARE FULL PENETRATION WELDS. ERECTION CLIPS, TEMPORARY BRACING, ETC., REQUIRED BY THE CONTRACTOR ARE NOT SHOWN.

14. ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT OF ZINC CHROMATE PRIMER OR EQUAL. AFTER ERECTION, FIELD CONNECTIONS SHALL BE TOUCHED UP. DO NOT PAINT PORTION OF STEEL TO BE EMBEDDED IN CONCRETE, HEADED ANCHOR STUDS, FAYING SURFACES OR AREAS TO RECEIVE FIRE PROOFING. EXPOSED STEEL MEMBERS ARE SPECIFIED TO BE HOT-DIPPED GALVANIZED OR STAINLESS AS NOTED.

15. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC MANUAL OF STEEL CONSTRUCTION LATEST EDITION. THIS INCLUDES OPEN WEB JOIST CONNECTIONS.

16. THE USE OF E70T-4 WELDING WIRE IS NOT ALLOWED FOR ANY APPLICATION.

## SPECIAL INSPECTIONS NOTES:

PER IBC 2021 SPECIAL INSPECTIONS, SEE INTERNATIONAL BUILDIG CODE, CHAPTER 17.

1705.12.2 - REQUIRED VERIFICATION AND INSPECTION FOR WIND RESISTANCE			
1. INSPECT WELDING OPERATIONS OF ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM	X	IBC 1705.12.2	
2. INSPECT SCREW ATTACHMENT, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, DIAPHRAGMS, COLLECTORS (DRAG STRUTS), BRACES, AND HOLD-DOWNS	X	IBC 1705.12.2 INSPECTION OF SHEAR WALLS AND DIAPHRAGMS WITH FASTENERS SPACED GREATER THAN 4" OC IS NOT REQUIRED	
1705.13.3 - REQUIRED VERIFICATION AND INSPECTION FOR SEISMIC RESISTANCE			
1. INSPECT WELDING OPERATIONS OF ELEMENTS OF THE MAIN SEISMIC FORCE-RESISTING SYSTEM	X	IBC 1705.13.3	
2. INSPECT SCREW ATTACHMENT, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS OF THE MAIN SEISMIC FORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, DIAPHRAGMS, COLLECTORS (DRAG STRUTS), BRACES, AND HOLD-DOWNS	X	IBC 1705.13.3 INSPECTION OF SHEAR WALLS AND DIAPHRAGMS WITH FASTENERS SPACED GREATER THAN 4" OC IS NOT REQUIRED	
1705.2 - STRUCTURAL STEEL CONSTRUCTION (AISC 360 AND ASIC 341)			
5. STRUCTURAL STEEL WELDING:			
C. INSPECTION TASKS AFTER WELDING (INSPECT FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-3)	X		
1705.6 - SOILS			
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIRED BEARING CAPACITY	X		
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	X		
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	X		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X		
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	X		

SCHEDULE OF SPECIAL INSPECTIONS  
COLUMN HEADER NOTATION USED IN TABLE:  
C INDICATES CONTINUOUS INSPECTION IS REQUIRED.  
P INDICATES PERIODIC INSPECTIONS ARE REQUIRED. THE NOTES AND/OR CONTRACT DOCUMENTS SHOULD CLARIFY.  
BOX ENTRY NOTATION USED IN TABLE:  
X IS PLACED IN THE APPROPRIATE COLUMN TO DENOTE EITHER "C" CONTINUOUS OR "P" PERIODIC INSPECTIONS.  
- DENOTES A ONE-TIME ACTIVITY OR ONE WHOSE FREQUENCY IS DEFINED IN SOME OTHER MANNER.  
ADDITIONAL DETAILS REGARDING INSPECTIONS ARE PROVIDED IN THE PROJECT SPECIFICATIONS OR NOTES ON THE DRAWINGS.

## SLAB ON GRADE NOTES:

SLAB CONSTRUCTION REFER TO S1/2 DETAIL

MAXIMUM SLUMP FOR CONCRETE SLABS WILL BE 5" WITH TYPE II CEMENT

ALL WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A-185. LAP ADJOINING PIECES AT LEAST ONE FULL MESH. WELDED WIRE FABRIC SHALL BE ORDERED IN SHEETS, NOT ROLLS. WELDED WIRE FABRIC SHALL BE BLOCKED INTO POSITION WITH PRECAST CONCRETE BLOCKS HAVING THE SAME COMPRESSIVE STRENGTH OF THE SLAB.

THE ALTERNATE WIRES OF THE WELDED WIRE FABRIC MUST BE PRECUT AT THE SLAB CONTRACTION JOINT LOCATIONS TO CREATE A "WEAKENED PLANE".

THE USE OF POLYPROPYLENE FIBERS (IN LIEU OF WELDED WIRE FABRIC) IS PROHIBITED.

ALL POROUS FILL MATERIAL SHALL BE A CLEAN GRANULAR FILL MATERIAL WITH 100% PASSING THE 1/2" SIEVE AND NO MORE THAN 5% PASSING THE NO. 4 SIEVE. POROUS FILL SHALL BE COMPACTED TO 98% MAX DRY DENSITY PER ASTM D-1557 MODIFIED PROCTOR METHOD.

SLAB JOINTS SHALL BE FILLED WITH A SEALANT PER THE MANUFACTURER RECOMMENDATIONS.

SLABS EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (±1%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C-260.

THE SLAB SHALL BE WET CURED BY KEEPING THE SLAB MOIST FOR A PERIOD OF SEVEN DAYS. ALTERNATIVELY, PROVIDE A WET-CURING SEALANT PER THE MANUFACTURERS RECOMMENDATIONS.

WRAP VAPOR BARRIER AROUND FOOTING ACCORDING TO BUILDING SCIENCE BEST PRACTICE.

## CAST-IN-PLACE CONCRETE NOTES:

CONCRETE MIXES SHALL BE DESIGNED PER ACI 301, USING PORTLAND CEMENT CONFORMING TO ASTM C-150 OR C-595, AGGREGATE CONFORMING TO ASTM C-33, AND ADMIXTURES CONFORMING TO ASTM C-494, C-1017, C818, AND C-260. CONCRETE SHALL BE READY MIXED IN ACCORDANCE WITH ASTM C-94.

CONCRETE SHALL CONFORM TO THE FOLLOWING:

LOCATION	MIN F'C
FOUNDATION	3,000 PSI
SLAB ON GRADE	3,000 PSI

REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL INDICATED AS BEING CONTINUOUS SHALL BE LAPPED WITH A TYPE 2 SPLICE UNLESS OTHERWISE NOTED.

BAR SUPPORTS SHALL BE PROVIDED FOR ALL REINFORCING STEEL TO ENSURE MINIMUM CONCRETE COVER. BAR SUPPORTS SHALL BE PLASTIC TIPPED OR STAINLESS STEEL.

CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (±1%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C-260.

## DESIGN PARAMETERS:

GENERAL PARAMETERS:

THE DESIGN FORCES LISTED ARE PER 2023 FLORIDA BUILDING CODE (FBC-23) ASCE 7-16

LOADS:	DEAD LOAD (DL)	LIVE LOAD (LL)
WALL:	10 PSF	
ROOF:	12 PSF	20 PSF
FLOOR:	15 PSF	40 PSF

WIND DESIGN BASIS:

BASIC WIND SPEED .....	165 MPH
IMPORTANCE FACTOR I .....	1.0
RISK CATEGORY .....	II
WIND EXPOSURE .....	D
SNOW LOAD (DESIGN SNOW LOAD) .....	0 psf

SEISMIC DESIGN BASIS:

IMPORTANCE FACTOR I .....	1.0
SITE CLASS .....	B
Ss .....	0.047
S1 .....	0.026
SDs .....	0.05
SEISMIC DESIGN CATEGORY .....	A
BASIC SEISMIC FORCE-RESISTING SYSTEM ....	B-2 (ASCE 7-16 TABLE 12.2-1)
R .....	6

SOIL DATA:

BEARING CAPACITY:  
2,000 PSF  
BASED ON GEOTECH REPORT BY  
UNIVERSAL ENGINEERING SCIENCES, PROJECT #3330.2200301.0000,  
DECEMBER 16 2022  
REGISTERED PROFESSIONAL ENGINEER - ALLAN G ABUBAKAKAR

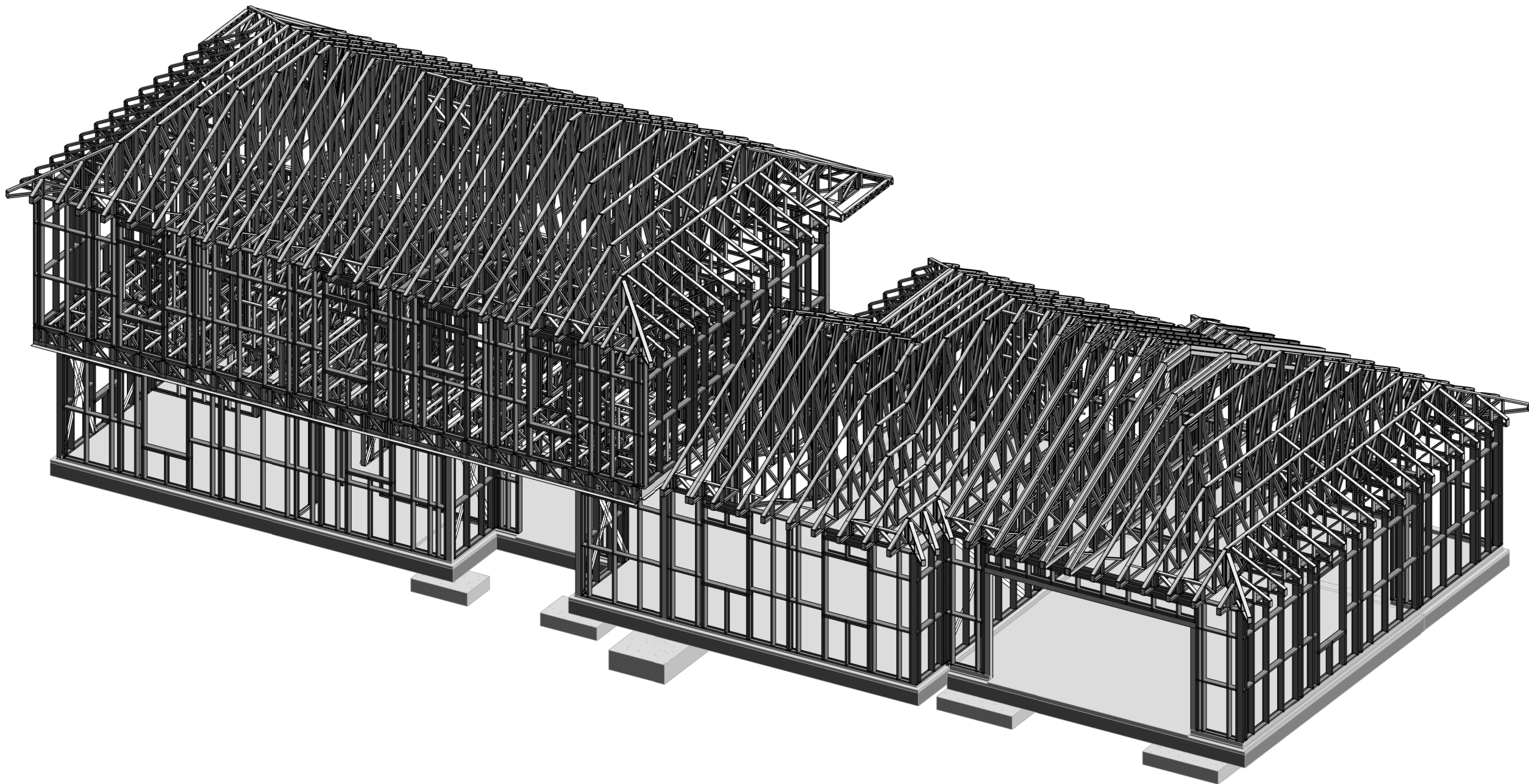
## CODE /AUTHORITY:

ALL WORK SHALL COMPLY WITH THE FOLLOWING:

- 2021 INTERNATIONAL BUILDING CODE (IBC);
- 2023 FLORIDA BUILDING CODE (FBC);
- ASCE 7-22 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES;
- AISC 341-16 SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS;
- AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS;
- ASW D 1.3 STRUCTURAL WELDING CODE - SHEET STEEL;
- ACI 318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;

SHEET LIST.	
SHEET NUMBER	SHEET NAME

S0	COVER SHEET
S1	STRUCTURAL FOUNDATION PLAN
S2	STRUCTURAL STEEL PLAN
S3	STRUCTURAL PLAN AND SECTIONS
S4	STRUCTURAL PLANS AND SECTION
S5	STRUCTURAL ROOF PLANS
S6	STRUCTURAL SECTIONS
S7	STRUCTURAL SECTIONS
S8	STRUCTURAL SECTIONS
S9	STRUCTURAL DETAILS
S10	STRUCTURAL DETAILS



SHEET NUMBER:

S0

DRAWN BY

DZ

CHECKED BY

MK

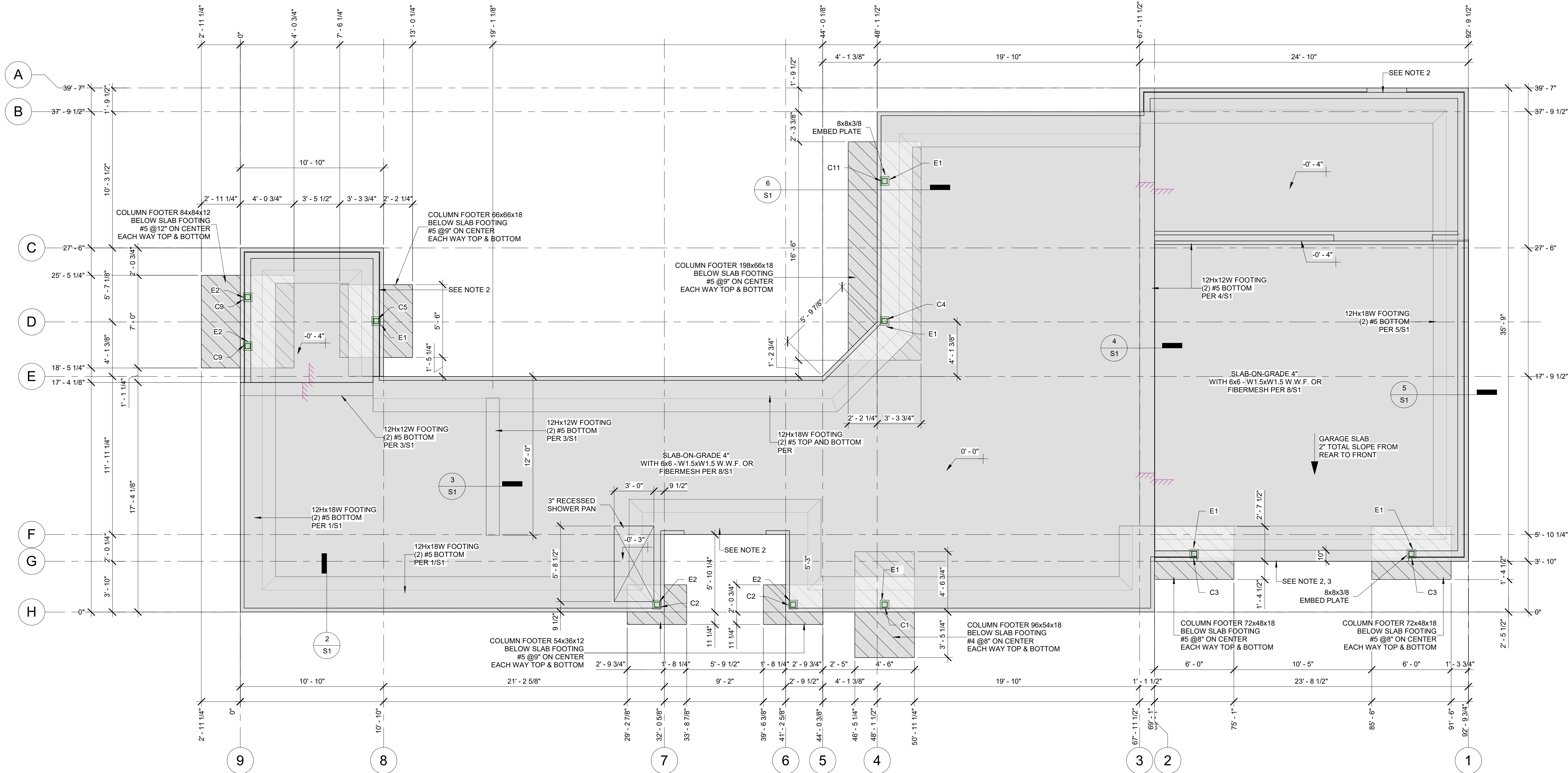
PROJECT NUMBER

23-126

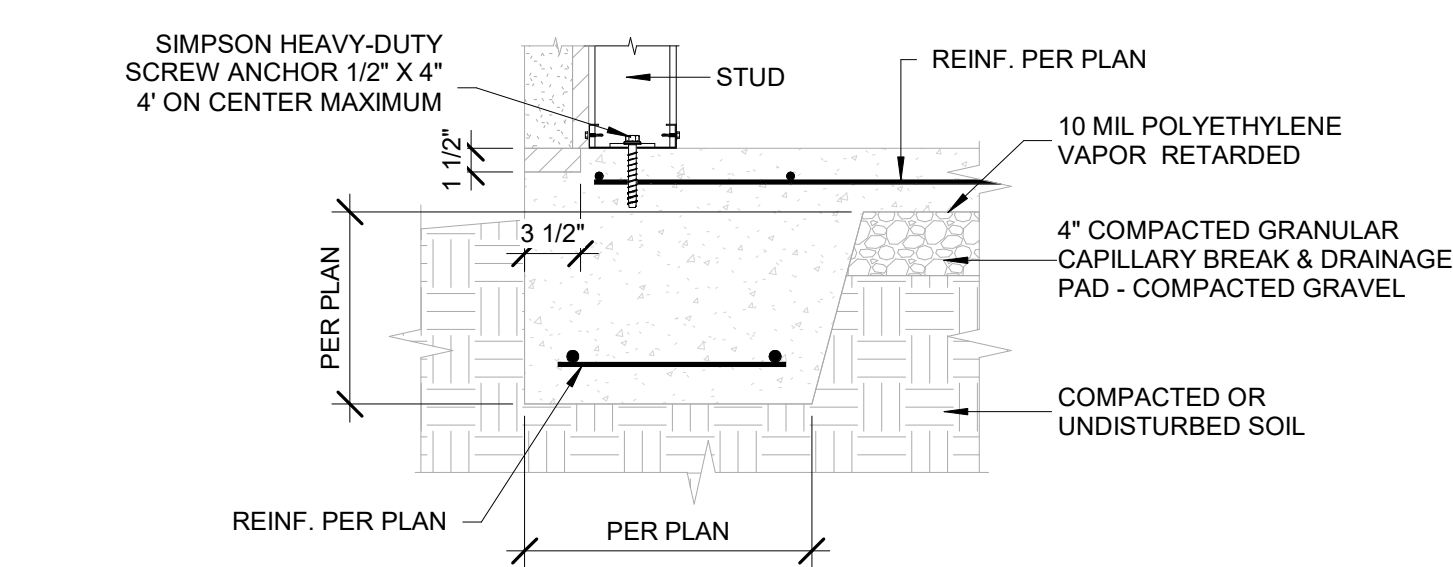
SHEET NAME:

COVER SHEET

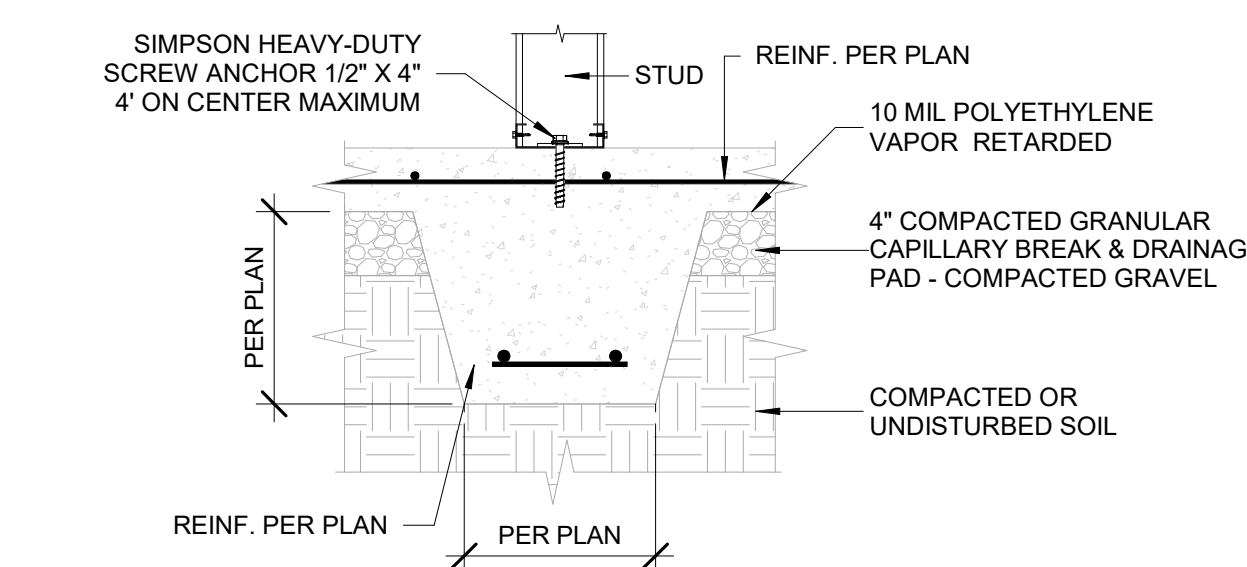




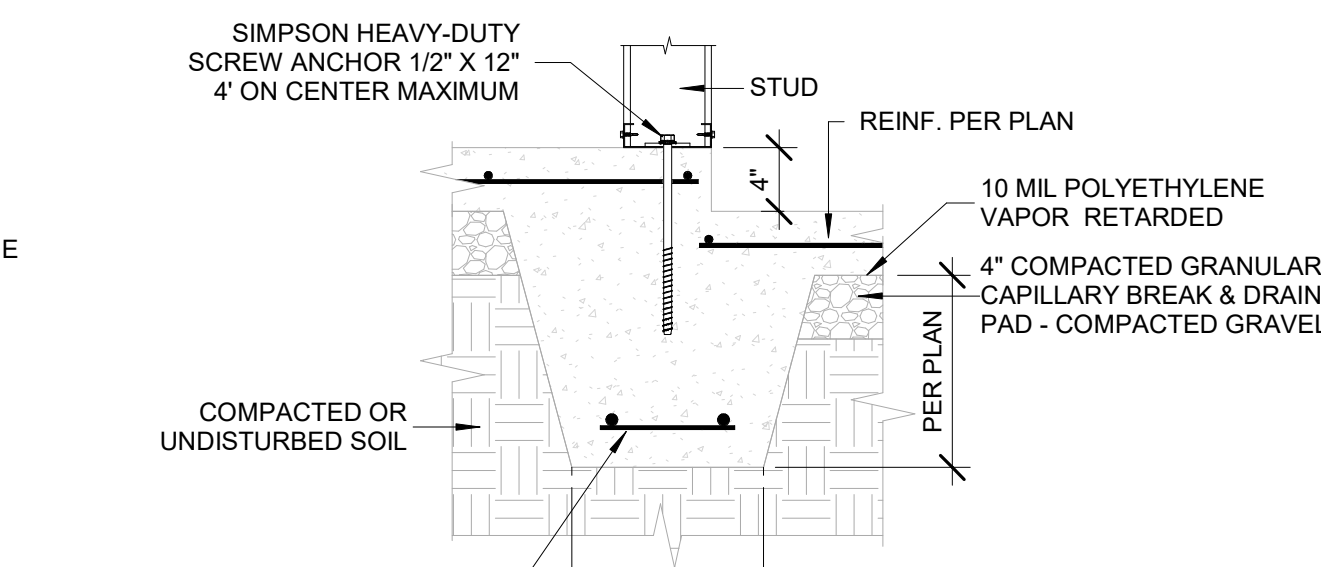
1 STRUCTURAL FOUNDATION PLAN  
1/4" = 1'-0"



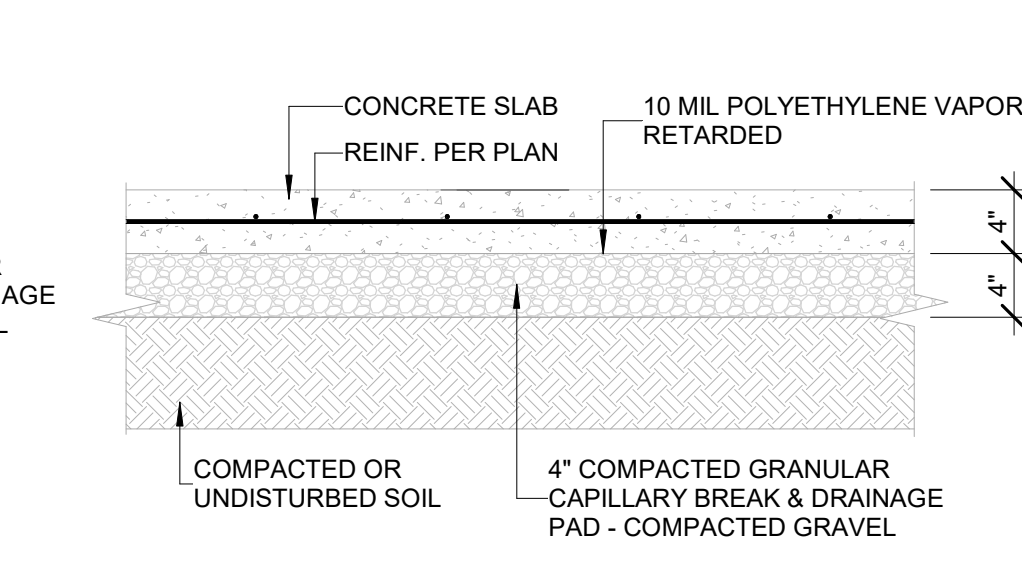
2 EXTERIOR WALL FOOTING DETAIL  
1" = 1'-0"



3 INTERIOR WALL FOOTING DETAIL  
1" = 1'-0"

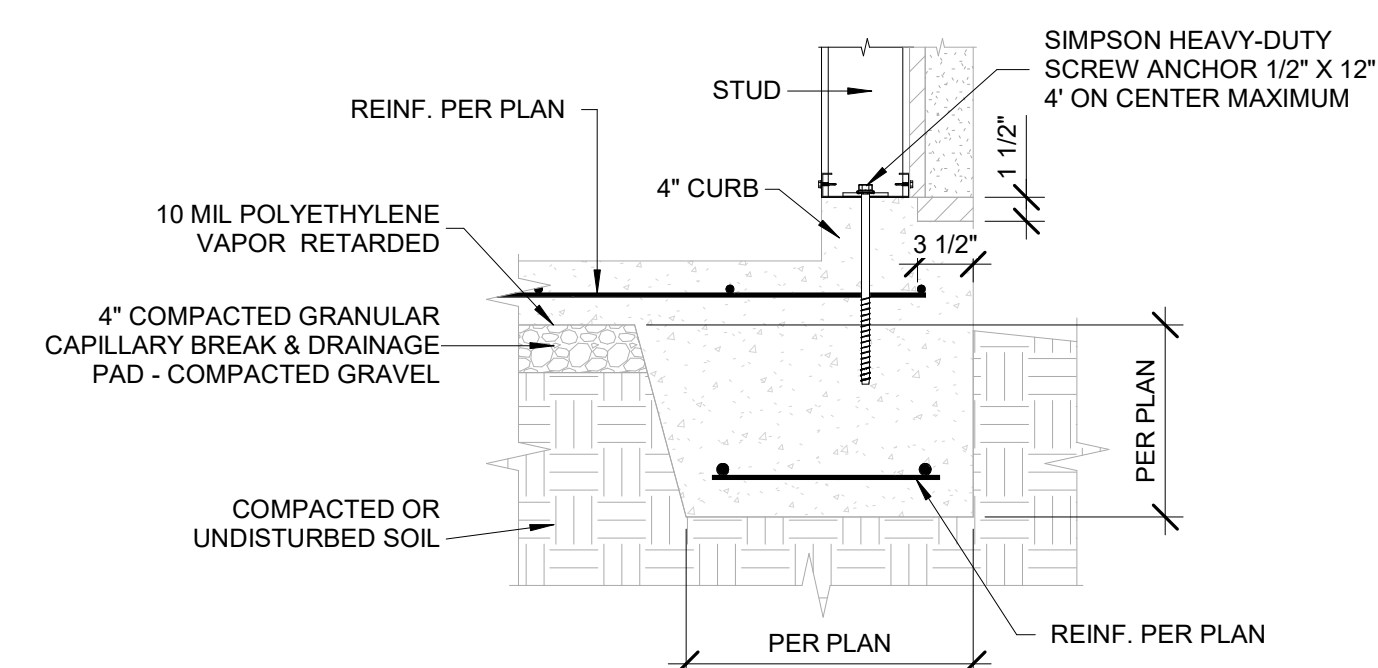


4 INTERIOR WALL FOOTING @ SLAB STEP  
1" = 1'-0"

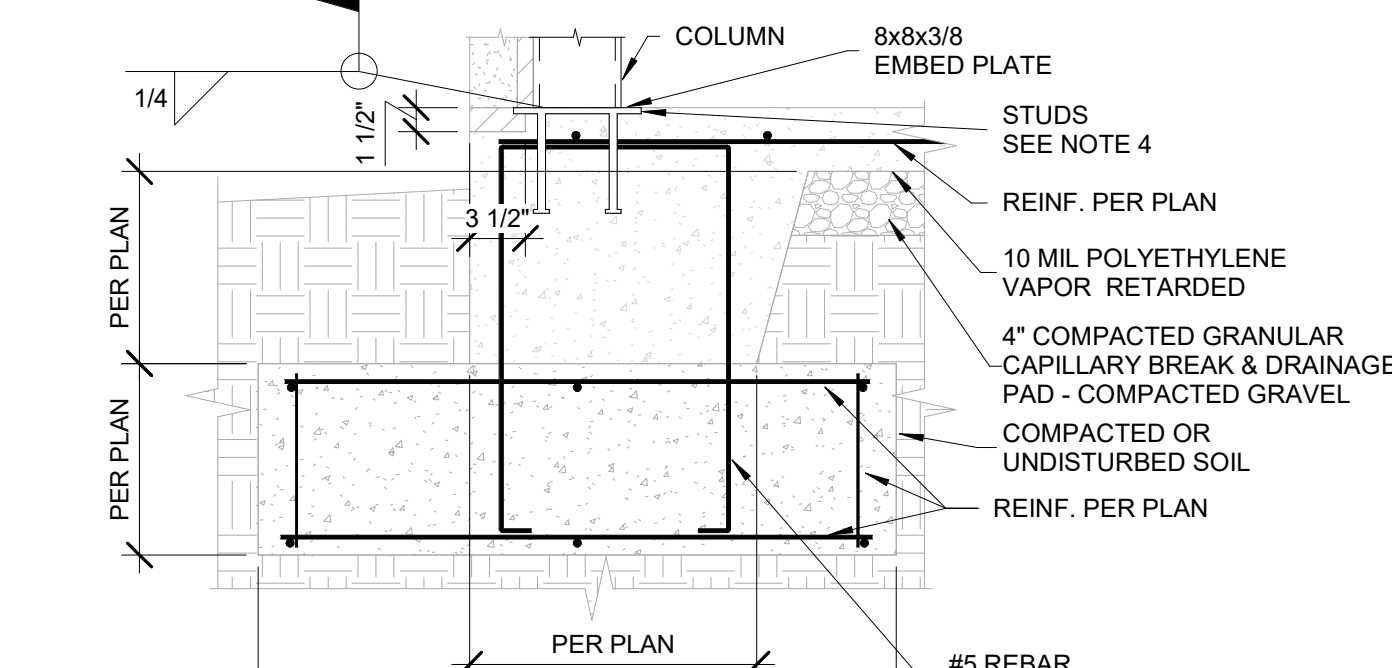


8 SLAB-ON-GRADE DETAIL  
1" = 1'-0"

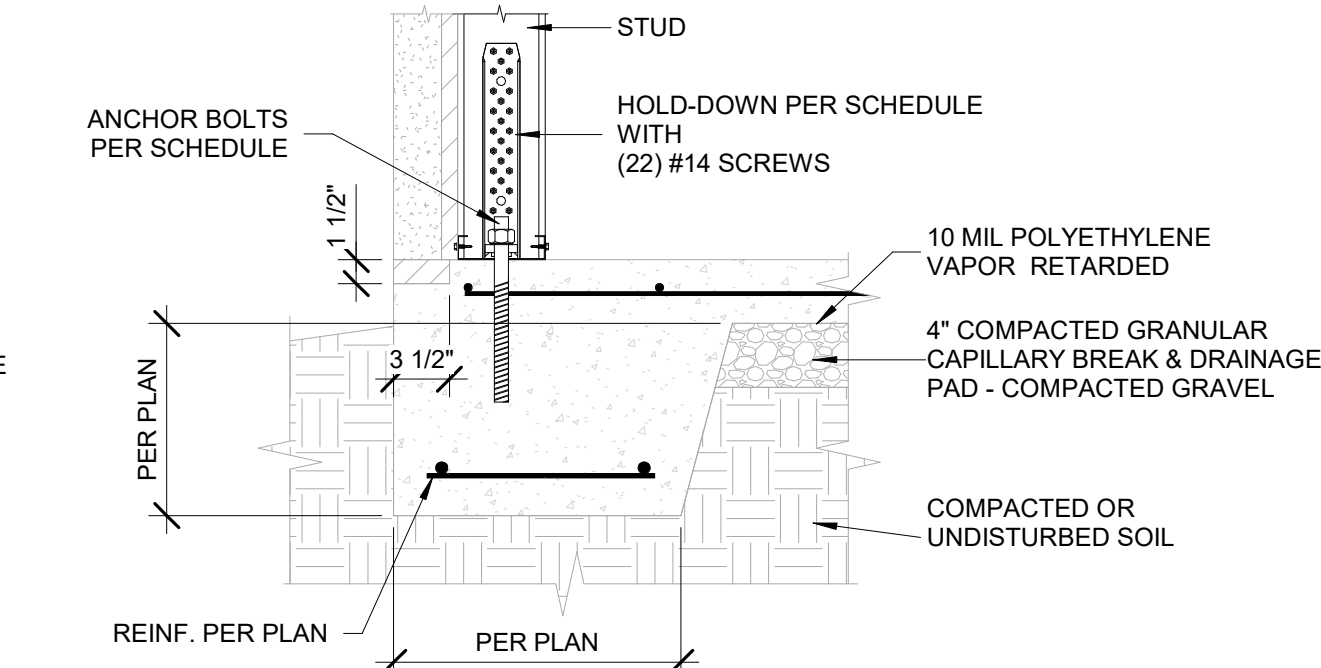
**NOTE:**  
1. FIELD VERIFY THRESHOLDS FOR GLASS SLIDING DOORS.  
2. NO BRICK-LEDGE AT ENTRY HINGE DOORS (FRONT, SIDE, GARAGE, ETC).  
3. RECESS OF GARAGE DOOR 1.5\"/>



5 EXTERIOR GARAGE WALL FOOTING DETAIL  
1" = 1'-0"



6 COLUMN TO FOOTING DETAIL  
1" = 1'-0"



7 HOLDDOWN DETAIL  
1" = 1'-0"

SHEAR WALL SCHEDULE	
1	"SPRAY-ROCK" sprayed concrete shear wall, 3 inch thick
2	Length of Shear wall (Min.)
3	HD per Schedule
Refer to Plans for Specific Transfer & Connection Detail at each Shear Wall Location	

X-BRACING SCHEDULE	
1	X-Bracing strap
2	Length of X-bracing (Min.)
3	HD per Schedule
Refer to Plans for Specific Transfer & Connection Detail at each X-Bracing Strap Location	

HOLD-DOWN SCHEDULE		
TYPE	HOLD-DOWN	ANCHOR / EMBEDMENT
1	SIMPSON S/HD09	7/8-DIA F1554 GR36 WITH SIMPSON EPOXY ADHESIVE "SET-3G" MIN 9" EMBEDMENT
2	SIMPSON S/HD8S	7/8-DIA F1554 GR36 WITH SIMPSON EPOXY ADHESIVE "SET-3G" MIN 9.5" EMBEDMENT
3	SIMPSON S/HD10S	7/8-DIA F1554 GR36 WITH SIMPSON EPOXY ADHESIVE "SET-3G" MIN 9.5" EMBEDMENT

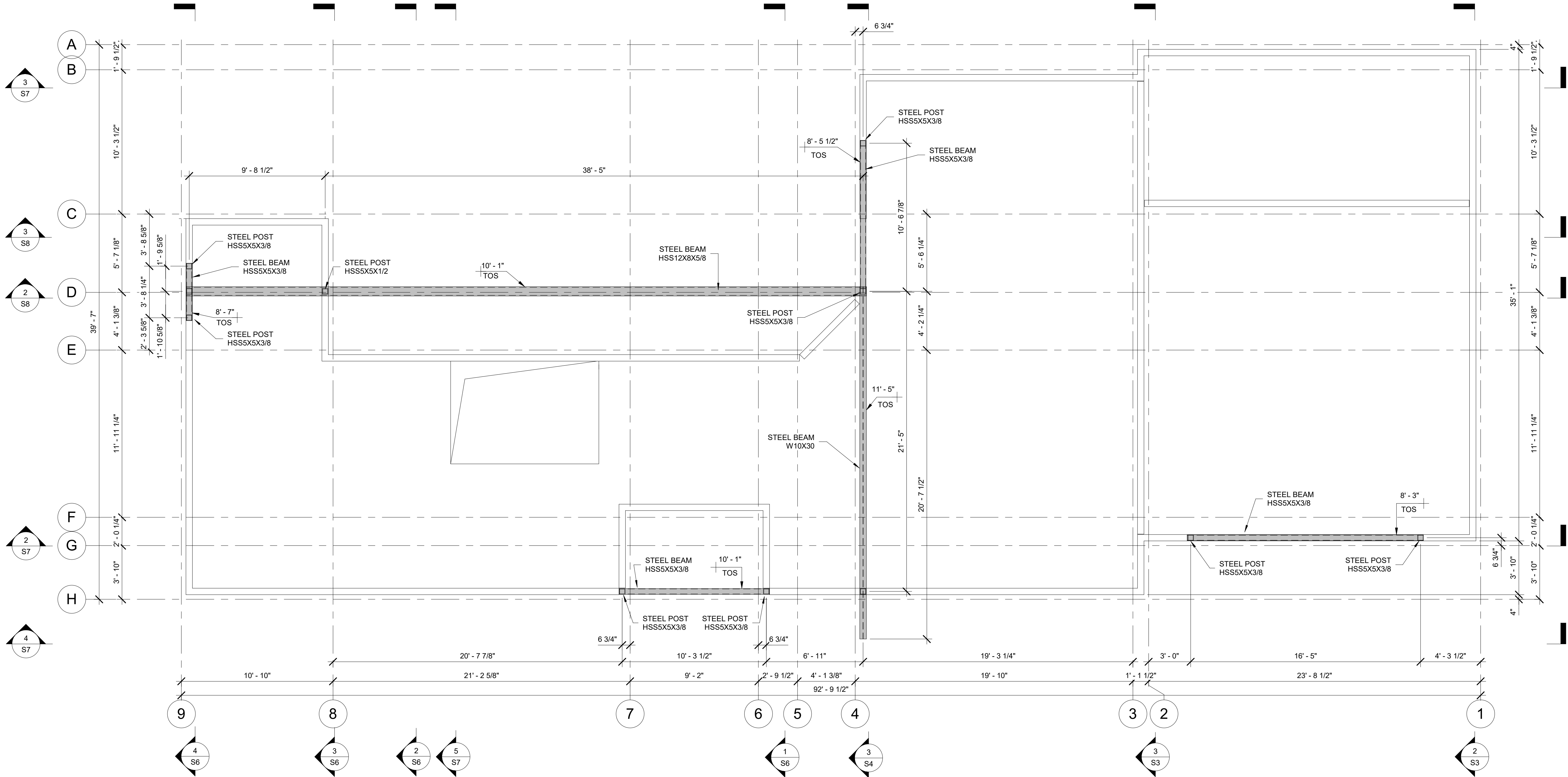
SHEET NUMBER:  
**S1**

DRAWN BY  
DZ

CHECKED BY  
MK

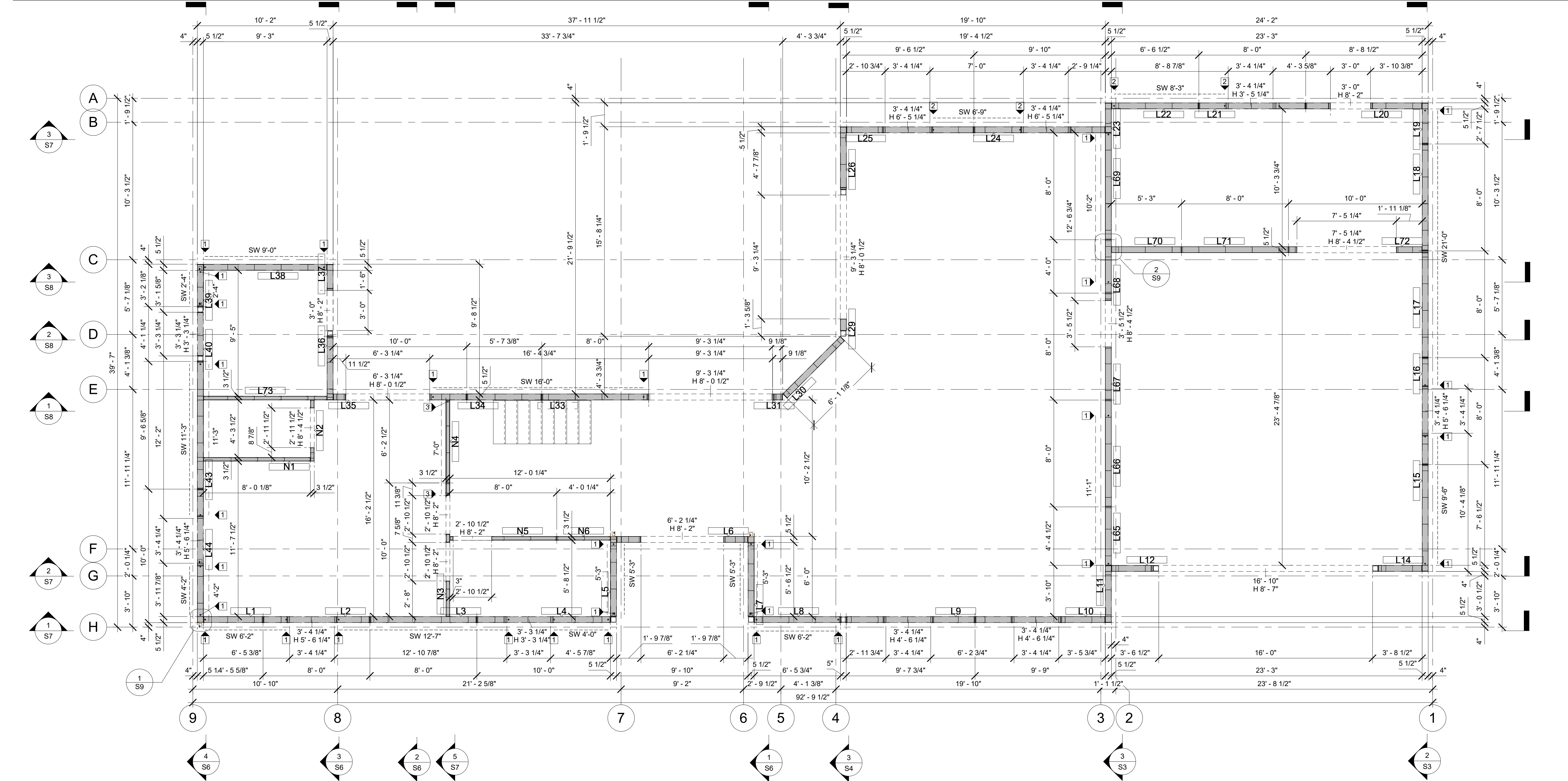
PROJECT NUMBER  
23-126

SHEET NAME:  
**STRUCTURAL FOUNDATION PLAN**

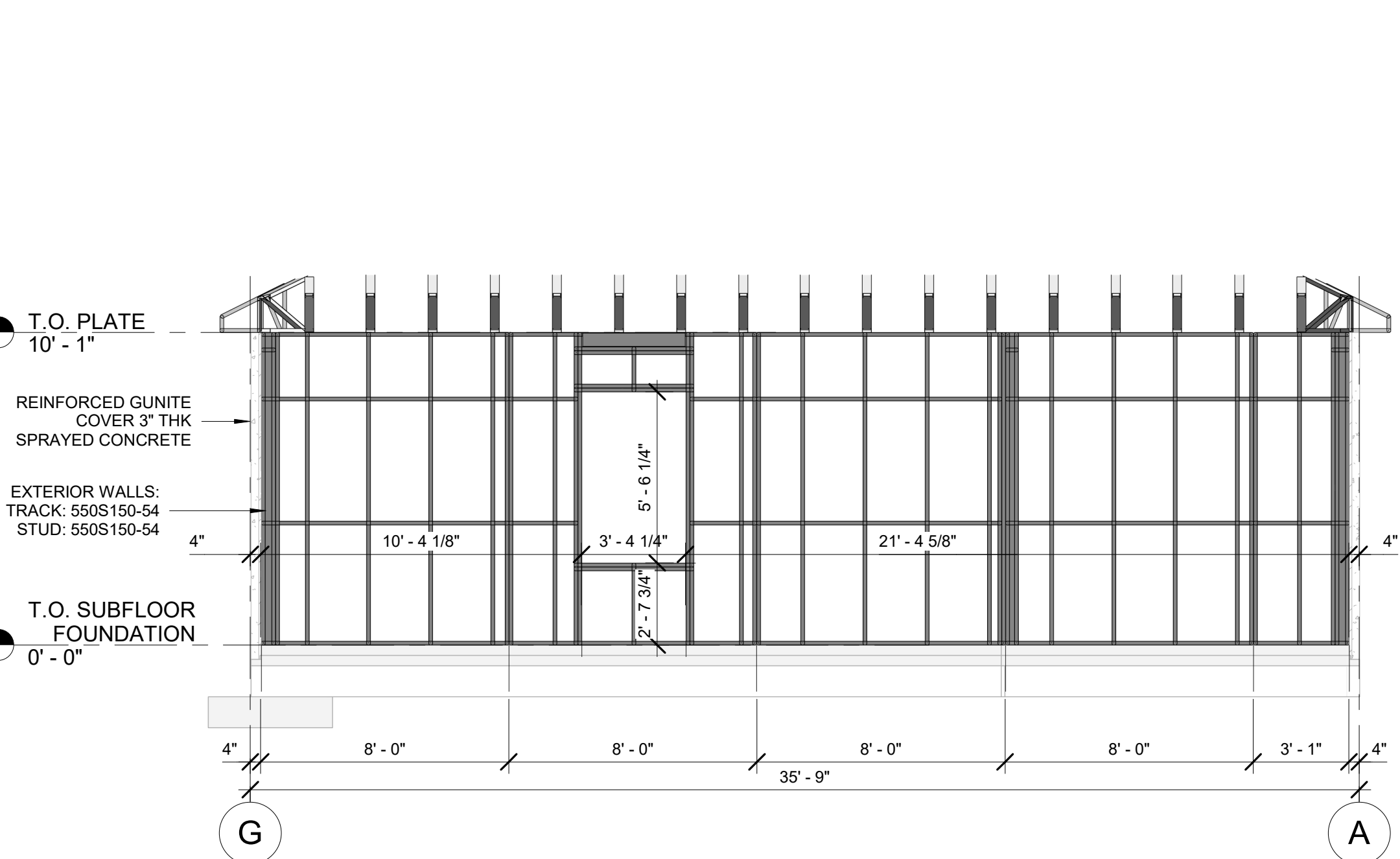


① 2ND FLOOR STRUCTURAL PLAN  
1/4" = 1'-0"

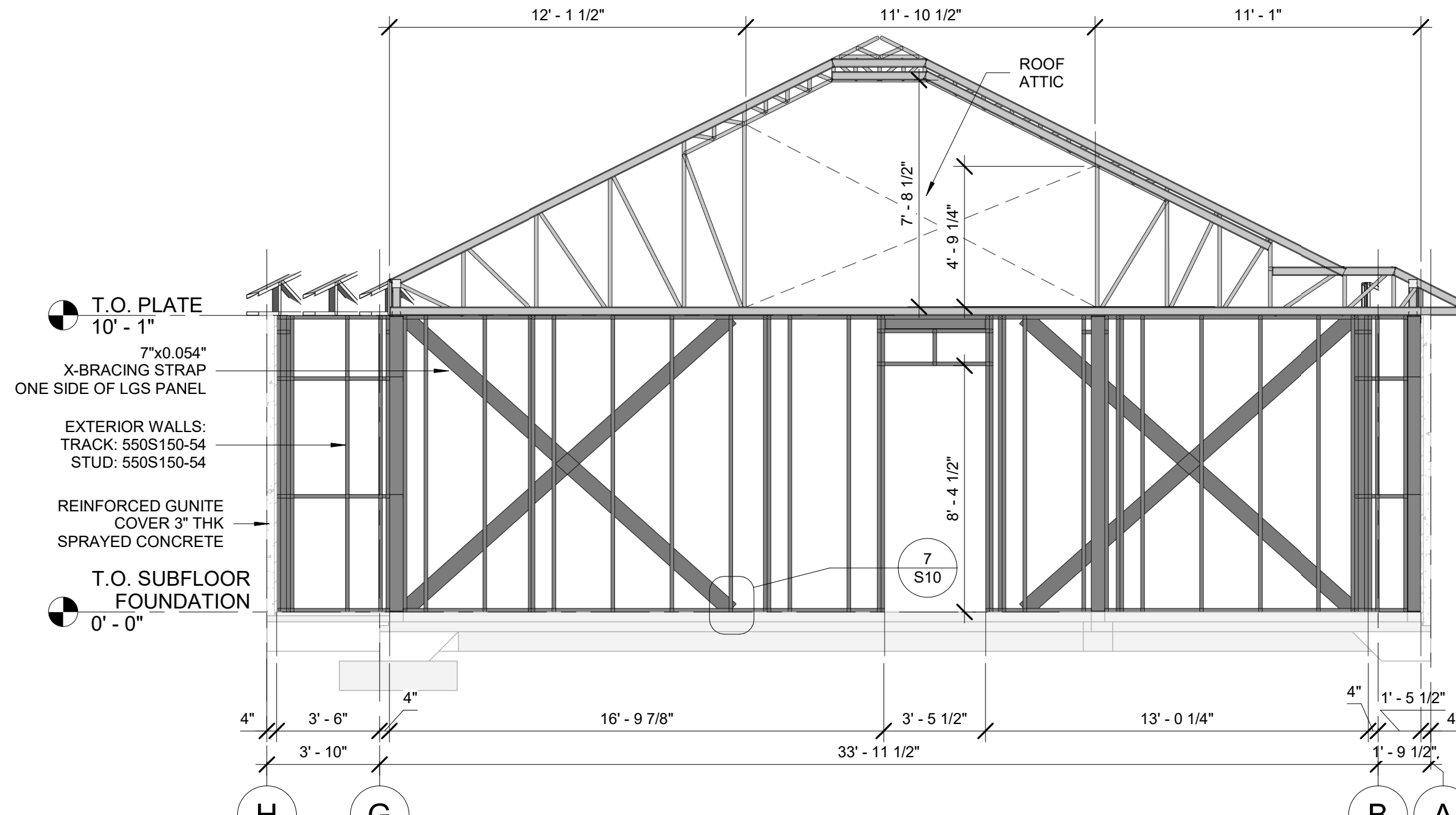




1 GROUND FLOOR WALL PLAN  
1/4" = 1'-0"



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



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

SHEAR WALL SCHEDULE	
1	"SPRAY-ROCK" sprayed concrete shear wall, 3 inch thick
SW x-x	Length of Shear wall (Min.)
1	HD per Schedule
Refer to Plans for Specific Transfer & Connection Detail at each Shear Wall Location	

HOLD-DOWN SCHEDULE		
TYPE	HOLD-DOWN	ANCHOR / EMBEDMENT
1	SIMPSON S/HDU9	7/8-DIA F1554 GR36 WITH SIMPSON EPOXY ADHESIVE "SET-3G" MIN 9" EMBEDMENT
2	SIMPSON S/HD8S	7/8-DIA F1554 GR36 WITH SIMPSON EPOXY ADHESIVE "SET-3G" MIN 9.5" EMBEDMENT
3	SIMPSON S/HD10S	7/8-DIA F1554 GR36 WITH SIMPSON EPOXY ADHESIVE "SET-3G" MIN 9.5" EMBEDMENT

SHEET NUMBER:

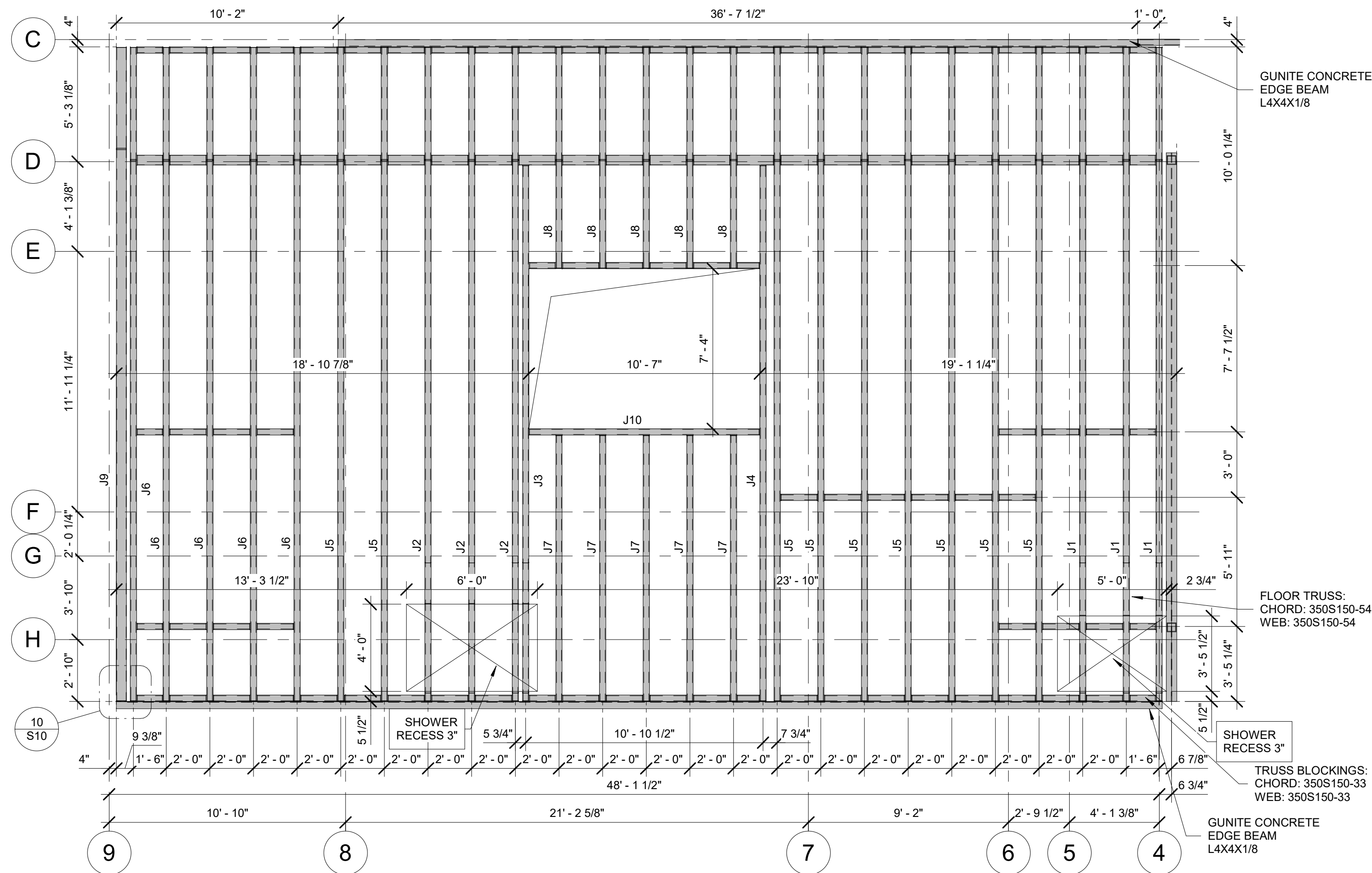
S3

SHEET NAME:

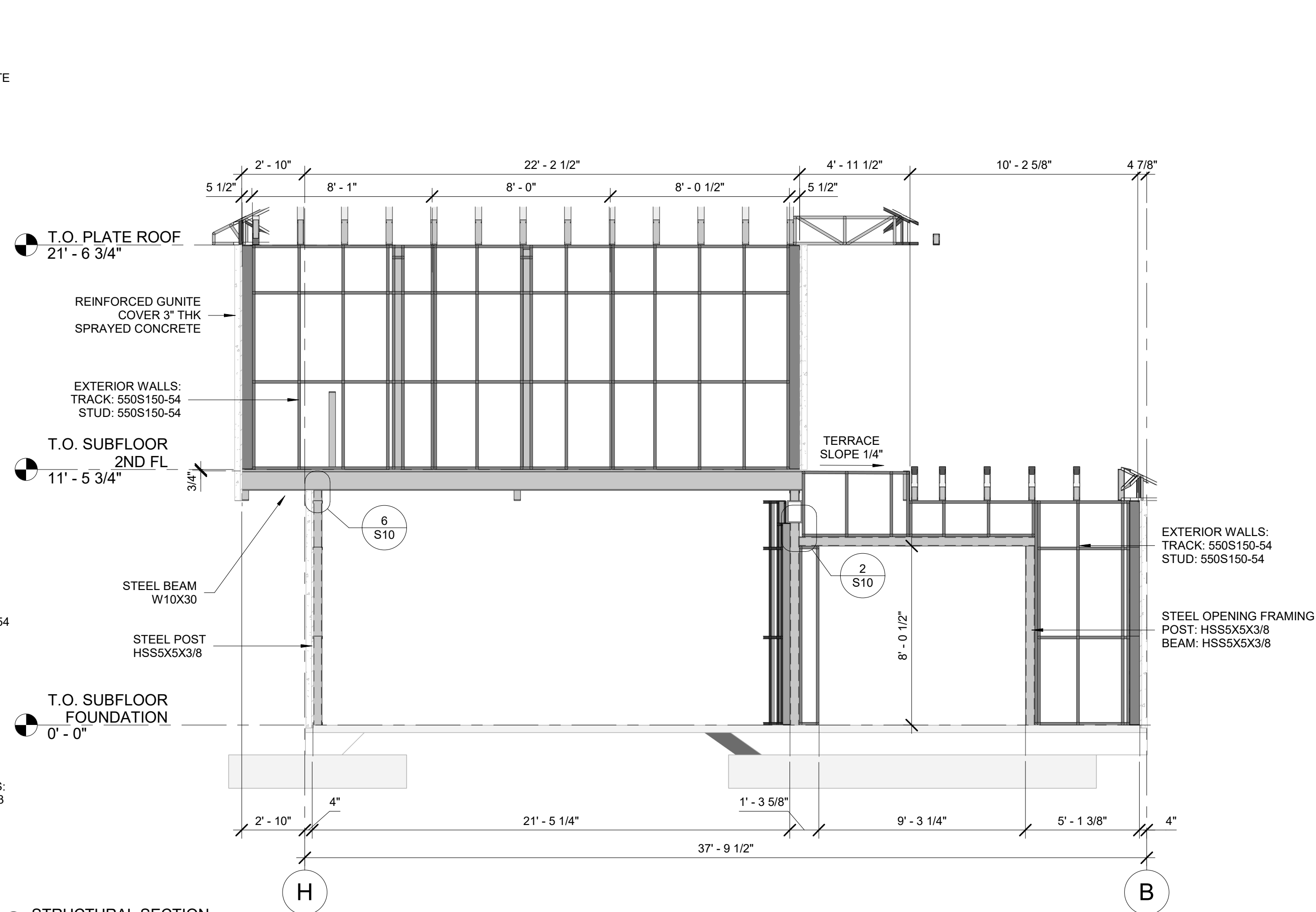
STRUCTURAL  
PLAN AND  
SECTIONS

DRAWN BY  
DZ  
CHECKED BY  
MK  
PROJECT NUMBER  
23-126

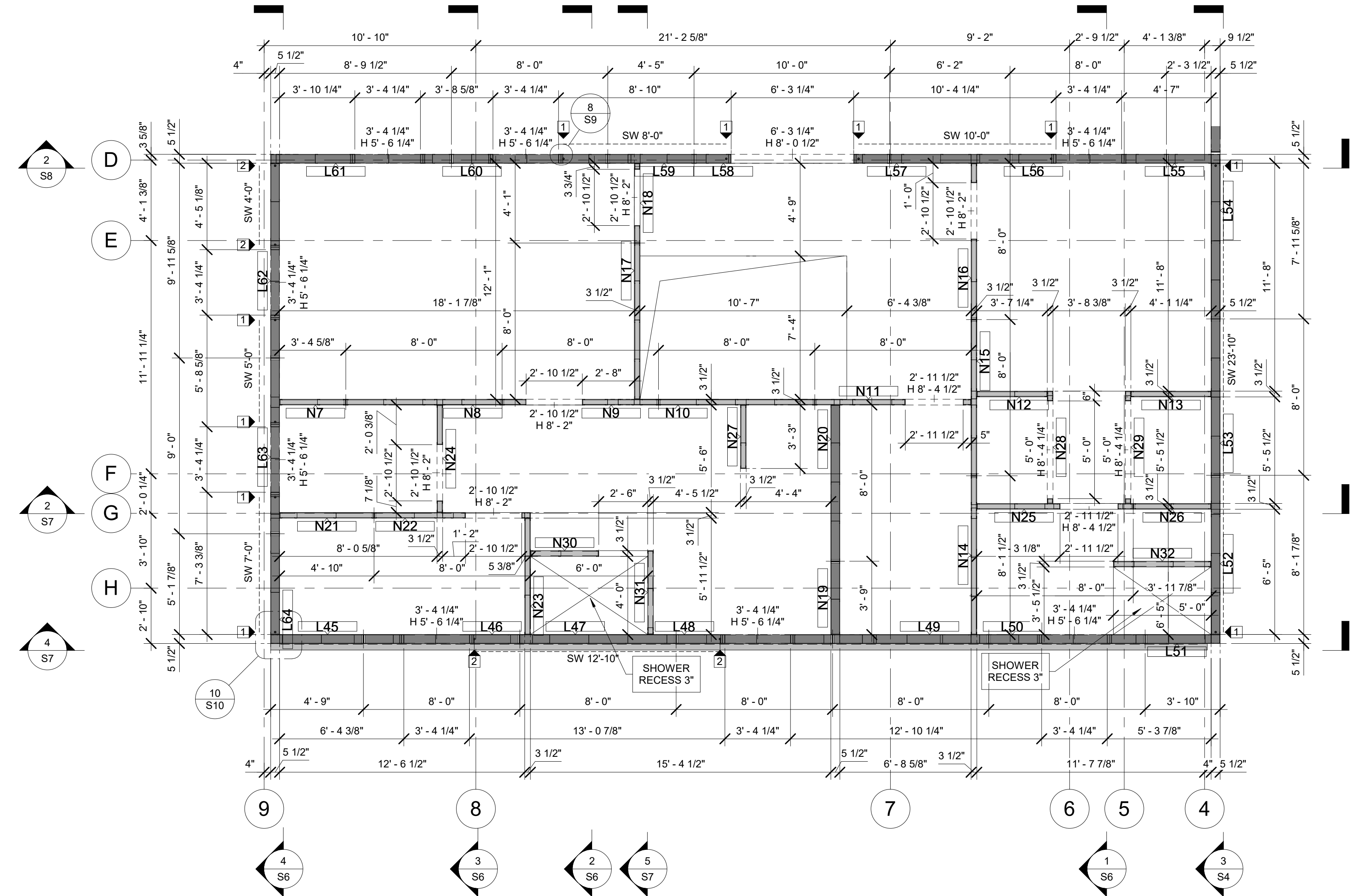




1 2ND FLOOR STRUCTURAL PLAN  
1/4" = 1'-0"



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



2 2ND FLOOR STRUCTURAL PLAN  
1/4" = 1'-0"

SHEAR WALL SCHEDULE	
1	"SPRAY-ROCK" sprayed concrete shear wall, 3 inch thick
SW x-x	Length of Shear wall (Min.)
1	HD per Schedule
Refer to Plans for Specific Transfer & Connection Detail at each Shear Wall Location	

HOLD-DOWN SCHEDULE		
TYPE	HOLD-DOWN	ANCHOR / EMBEDMENT
1	SIMPSON S/HDU9	ANCHOR BOLTS 7/8-DIA
2	SIMPSON S/HD8S	ANCHOR BOLTS 7/8-DIA

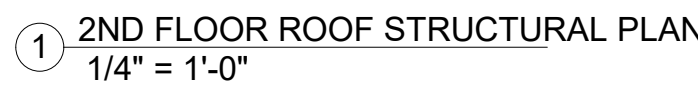
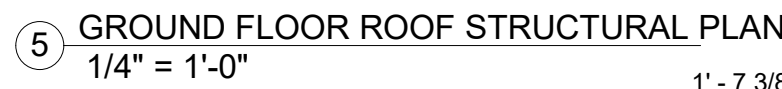
SHEET NUMBER:  
**S4**

DRAWN BY  
DZ

CHECKED BY  
MK

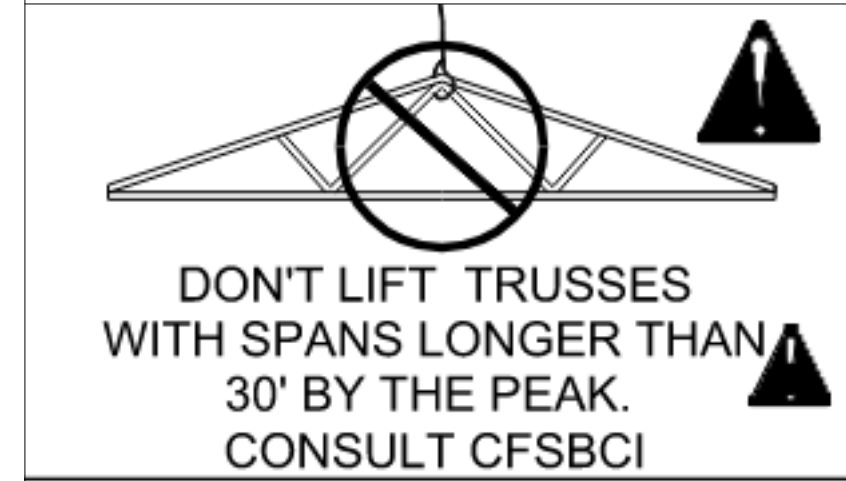
PROJECT NUMBER  
23-126

SHEET NAME:  
**STRUCTURAL PLANS AND SECTION**

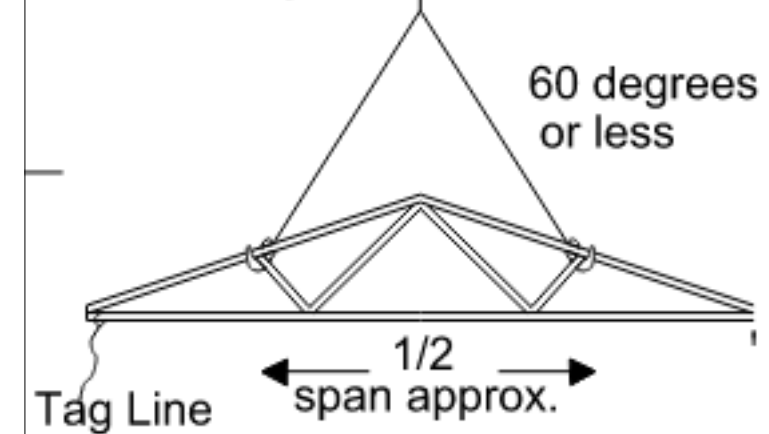


## Truss Design Summary

Loading Code	IBC 2021
Top Chord Live	20
Top Chord Dead	05
Bottom Chord Live	00
Bottom Chord Dead	05
Snow Load	00
Wind Load Provisions	ASCE7-22
Wind Speed	165
Exposure Category	D
Risk Category	II
Roof Pitch	6/12
BC Restraints	2'-0"



30' Span|or less




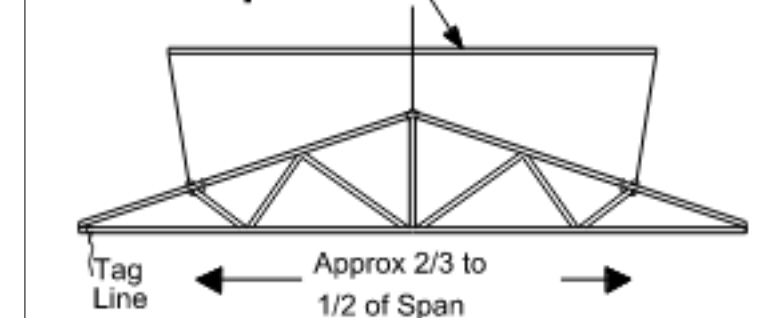
REFER TO CFSBCI

Truss must be set this way if crane used.

Truss is an example, your truss may not match.

Insist crane operator sets truss this way.

30' to 60' Span  
Spreader Bar 

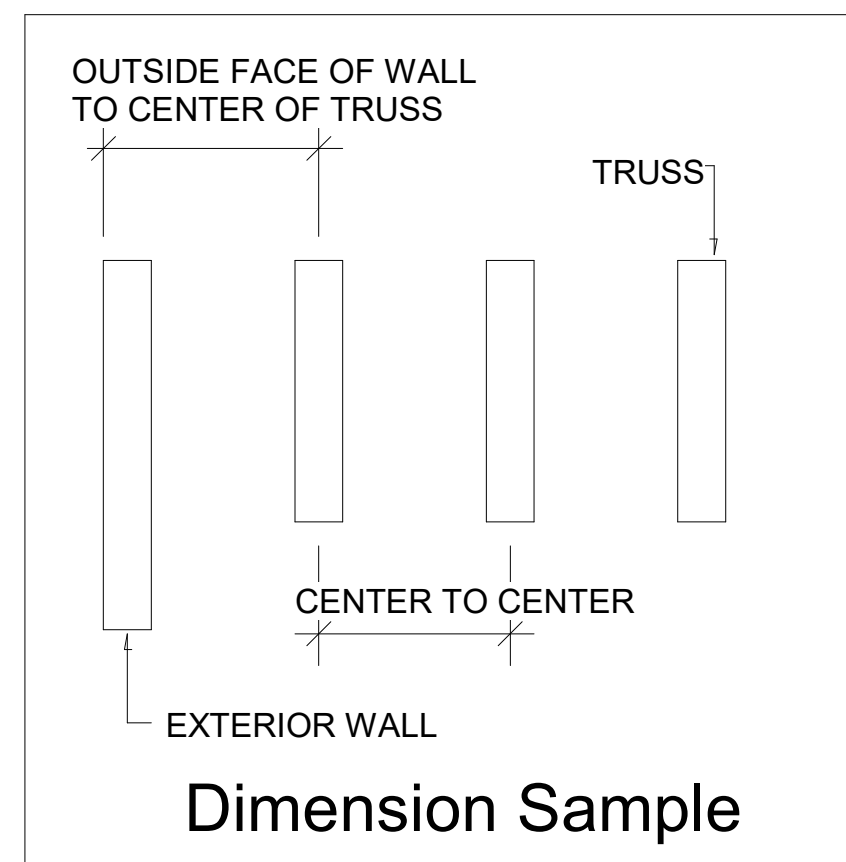


REFER TO CFSBCI

Truss must be set this way if crane used.

This is an example, truss may not match.

Insist crane operator sets truss this way.



SHEET NUMBER:

S5

SHEET NAME:

## STRUCTURAL ROOF PLANS

DRAWN BY

DZ

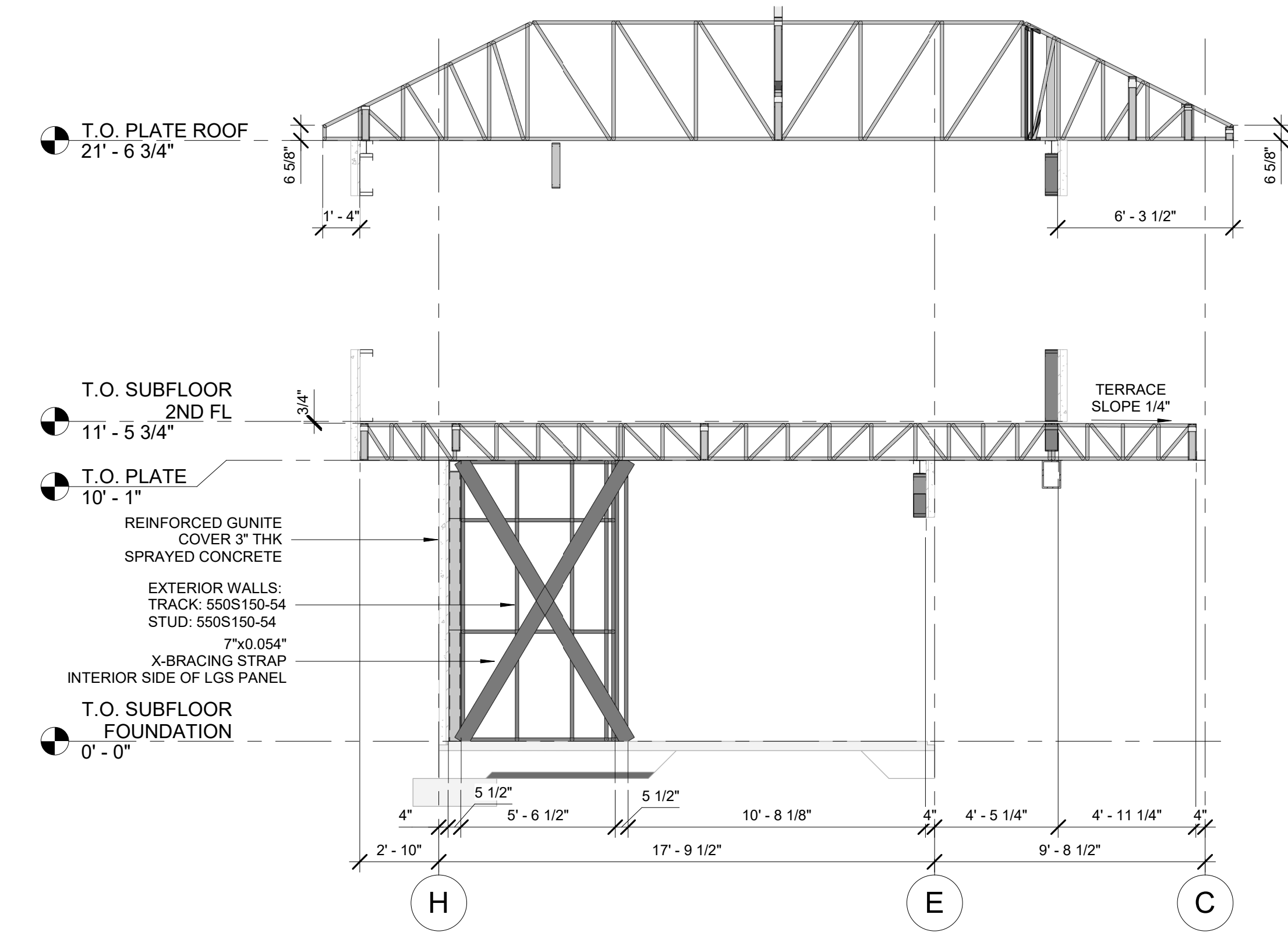
CHECKED BY

MK

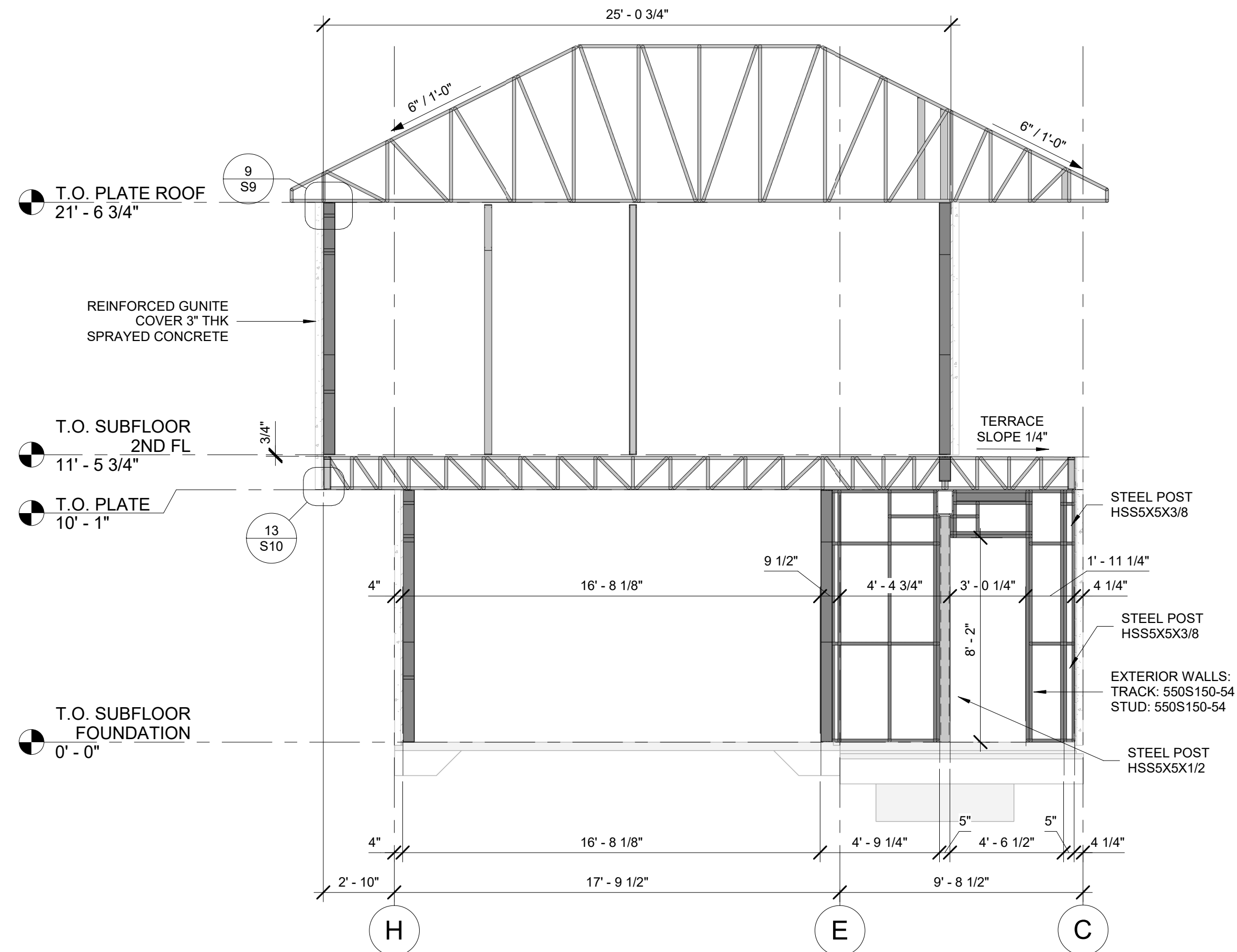
PROJECT NUMBER

23-126

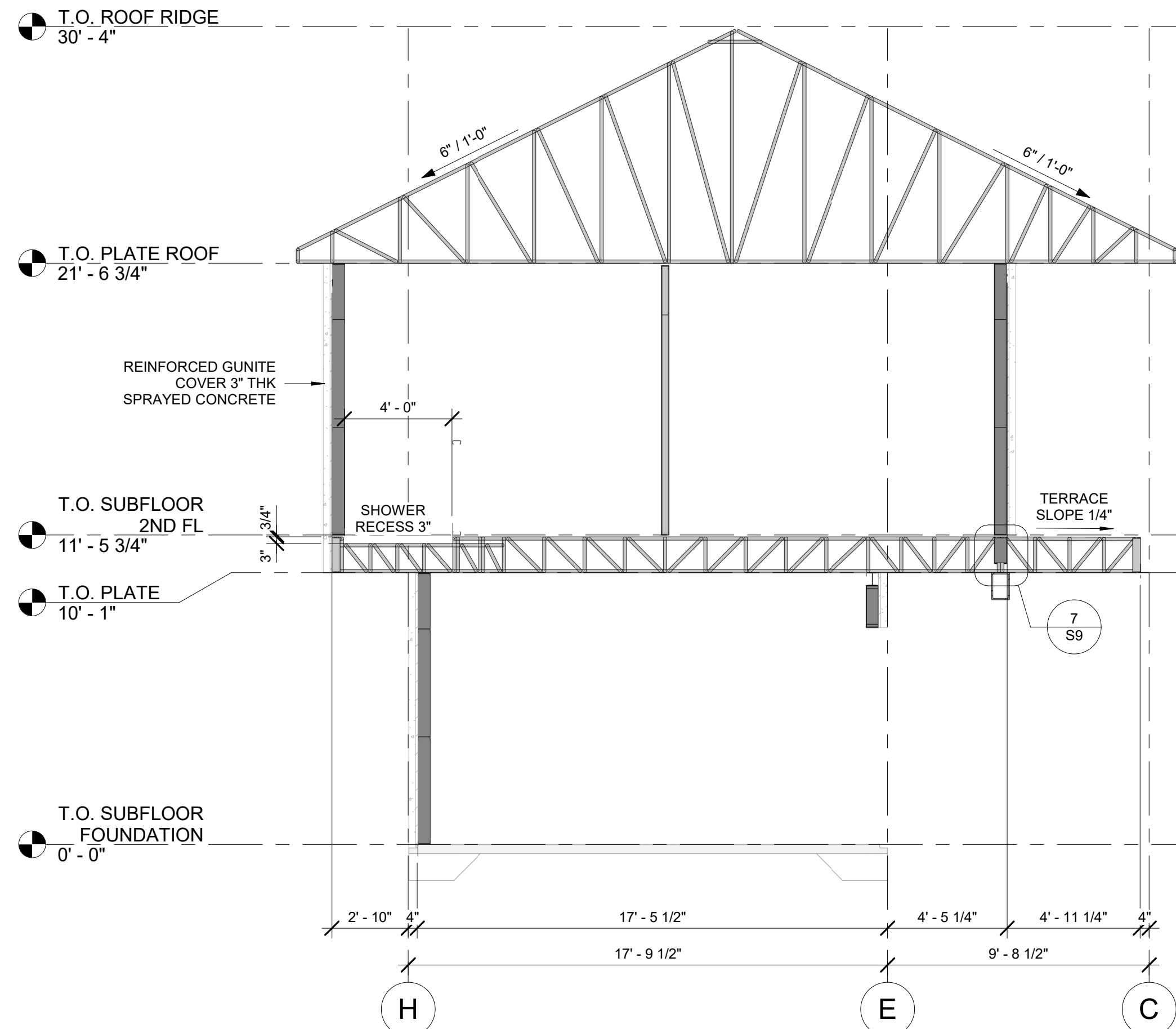




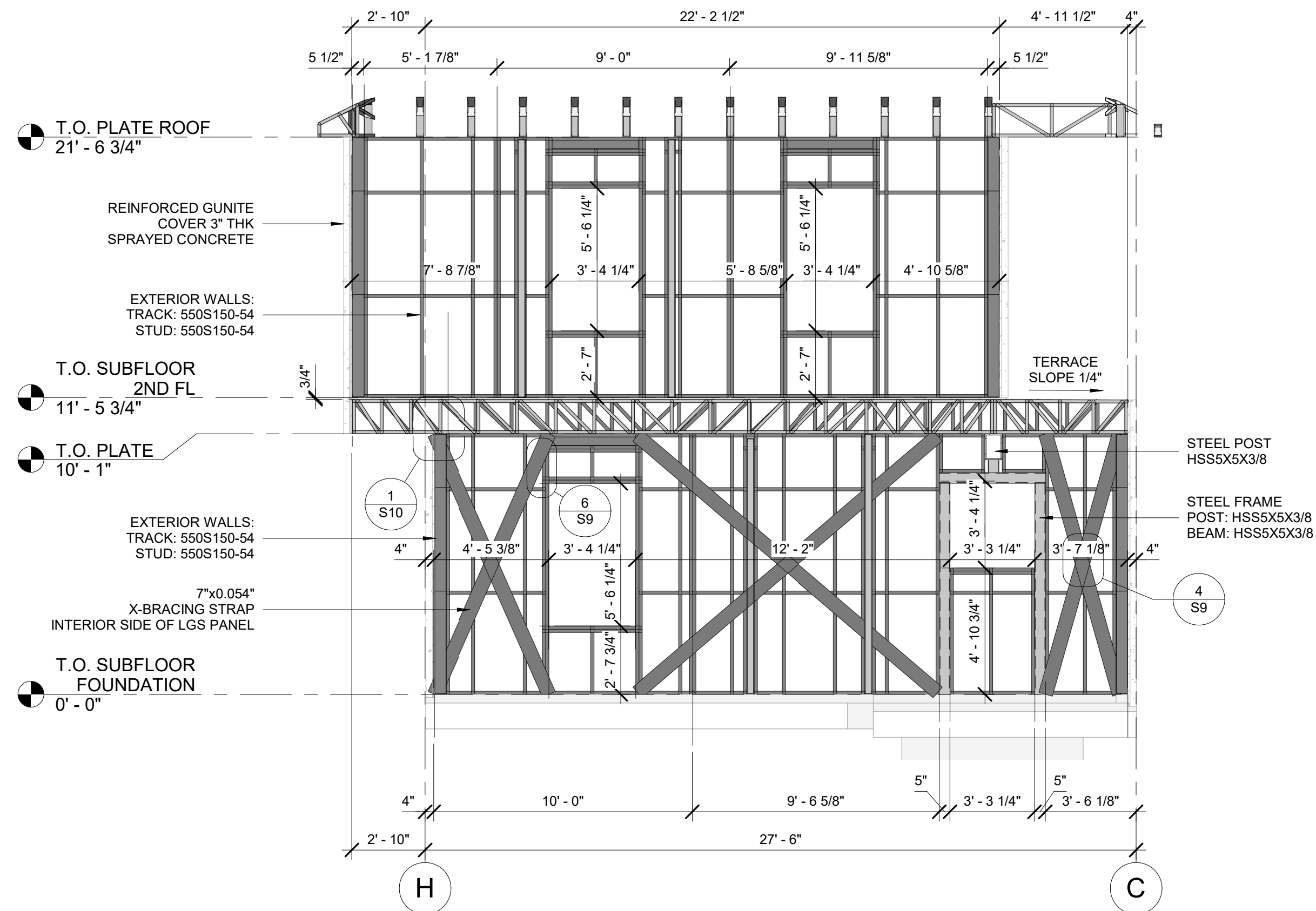
1 STRUCTURAL SECTION  
1/4" = 1'-0"



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



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



4 STRUCTURAL SECTION  
1/4" = 1'-0"

SHEET NUMBER:

S6

SHEET NAME:

STRUCTURAL  
SECTIONS

DRAWN BY

Author

CHECKED BY

Checker

PROJECT NUMBER

23-126

1 STRUCTURAL SECTION  
1/4" = 1'-0"

② STRUCTURAL SECTION  
1/4" = 1'-0"

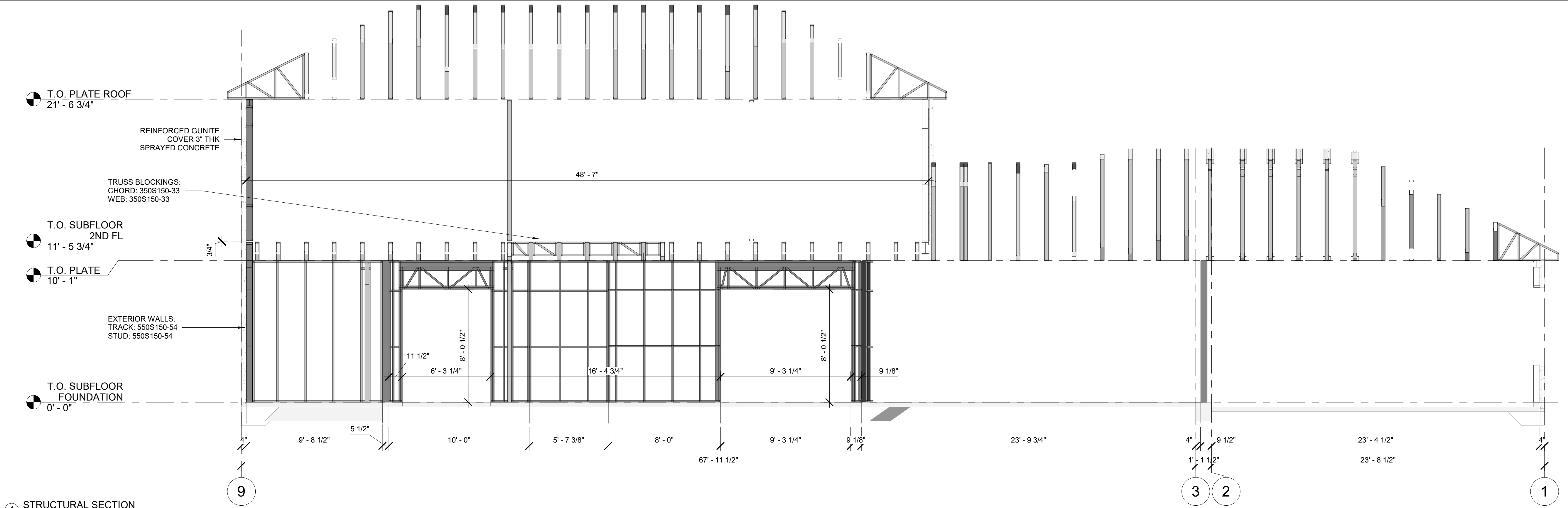
3 STRUCTURAL SECTION  
1/4" = 1' 0"

4 STRUCTURAL SECTION  
1/4" = 1' 0"

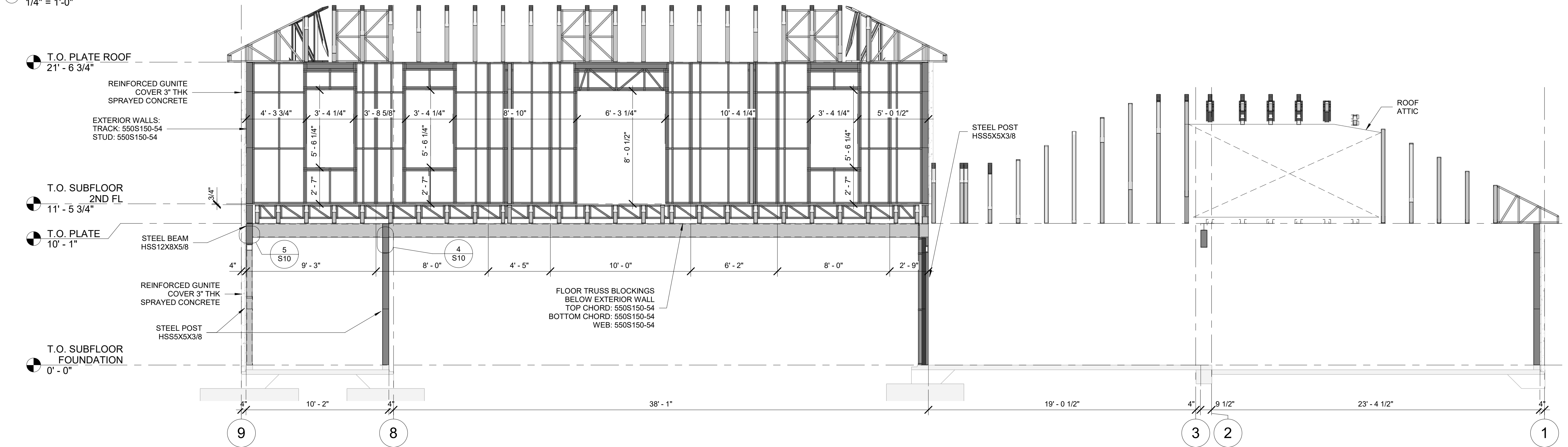
5 STRUCTURAL SECTION

---

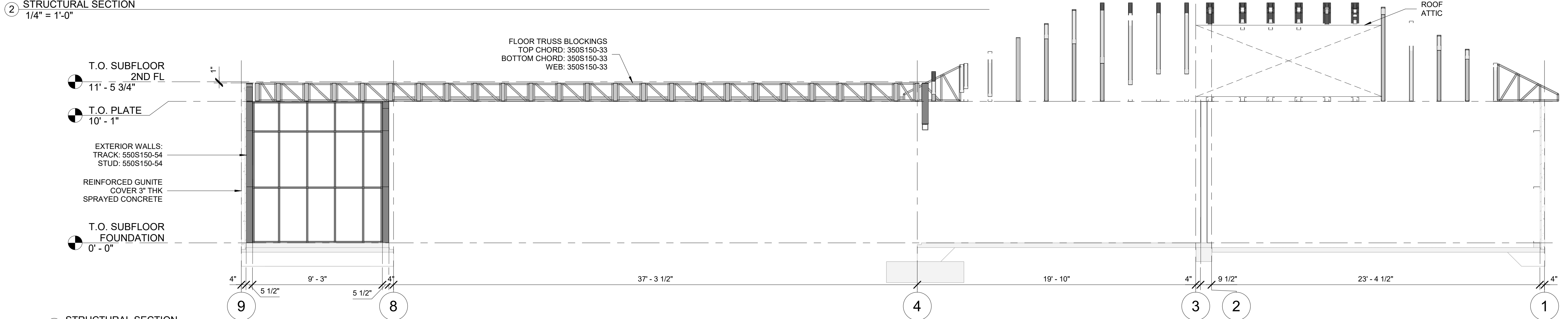




1 STRUCTURAL SECTION  
1/4" = 1'-0"



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



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

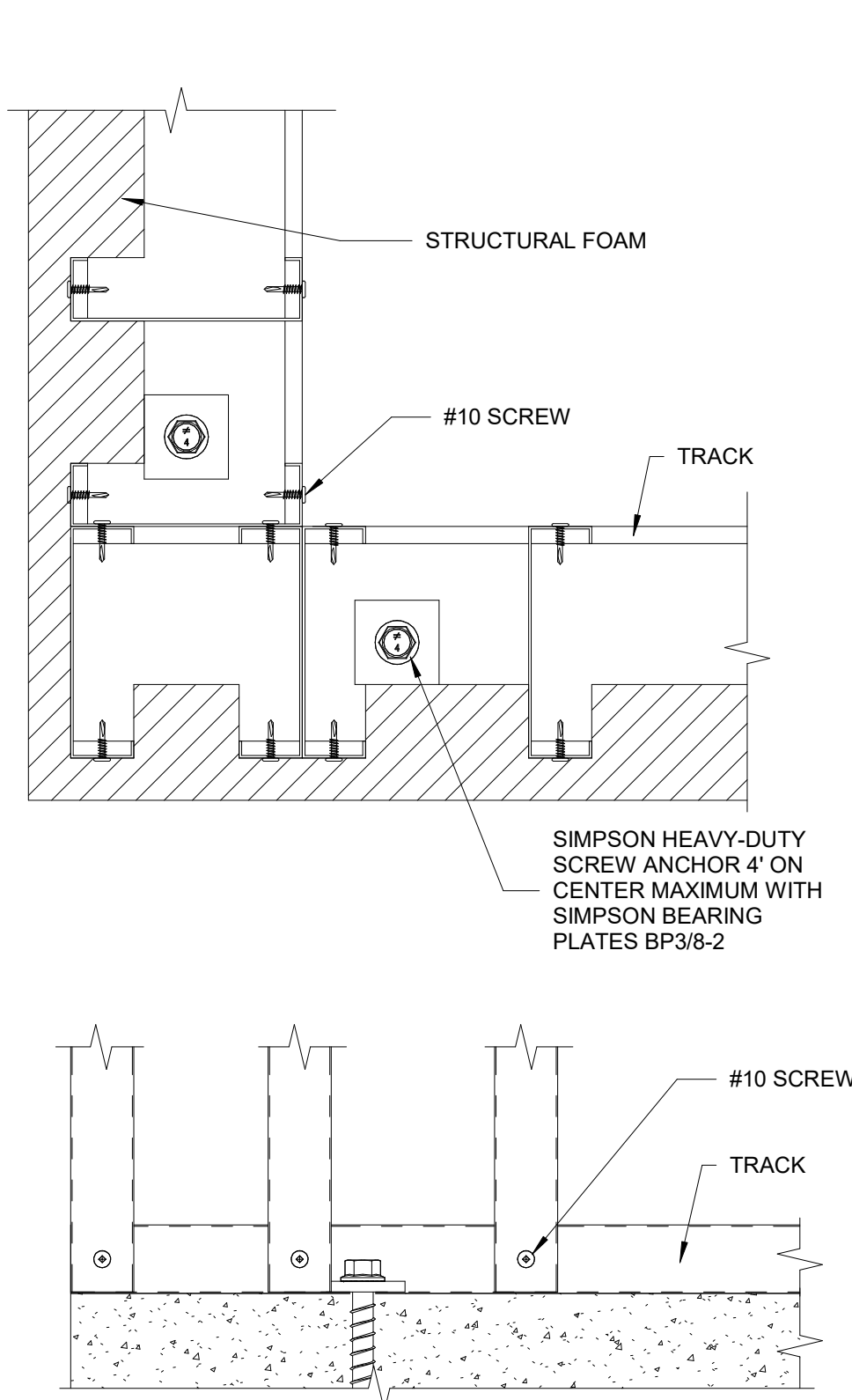
SHEET NUMBER:  
**S8**

SHEET NAME:  
**STRUCTURAL SECTIONS**

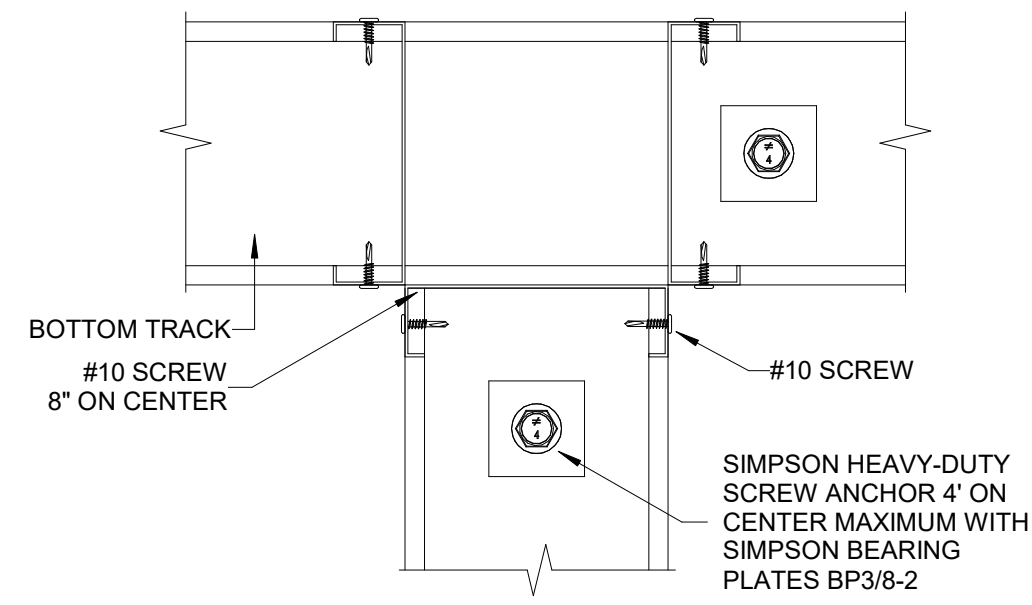
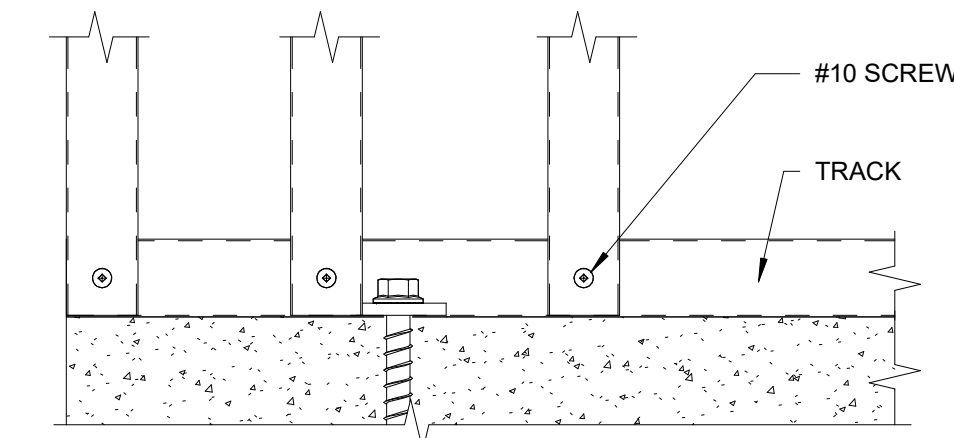
DRAWN BY  
DZ

CHECKED BY  
MK

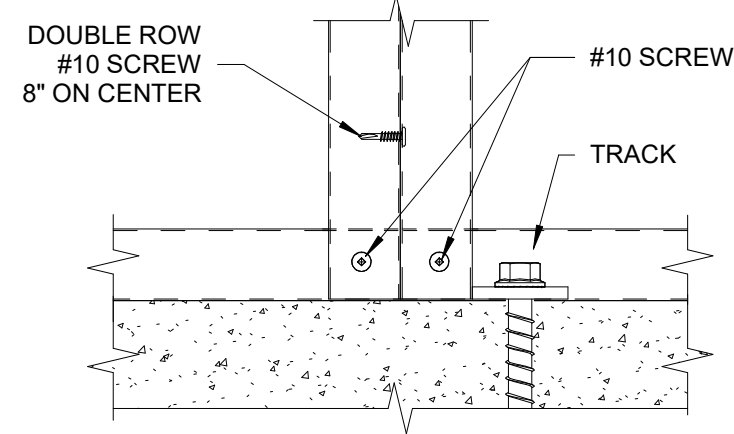
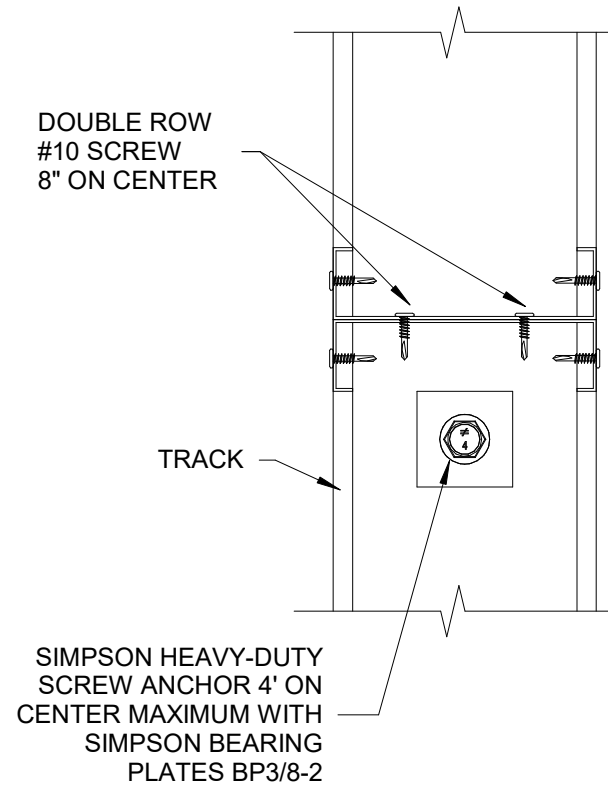
PROJECT NUMBER  
23-126



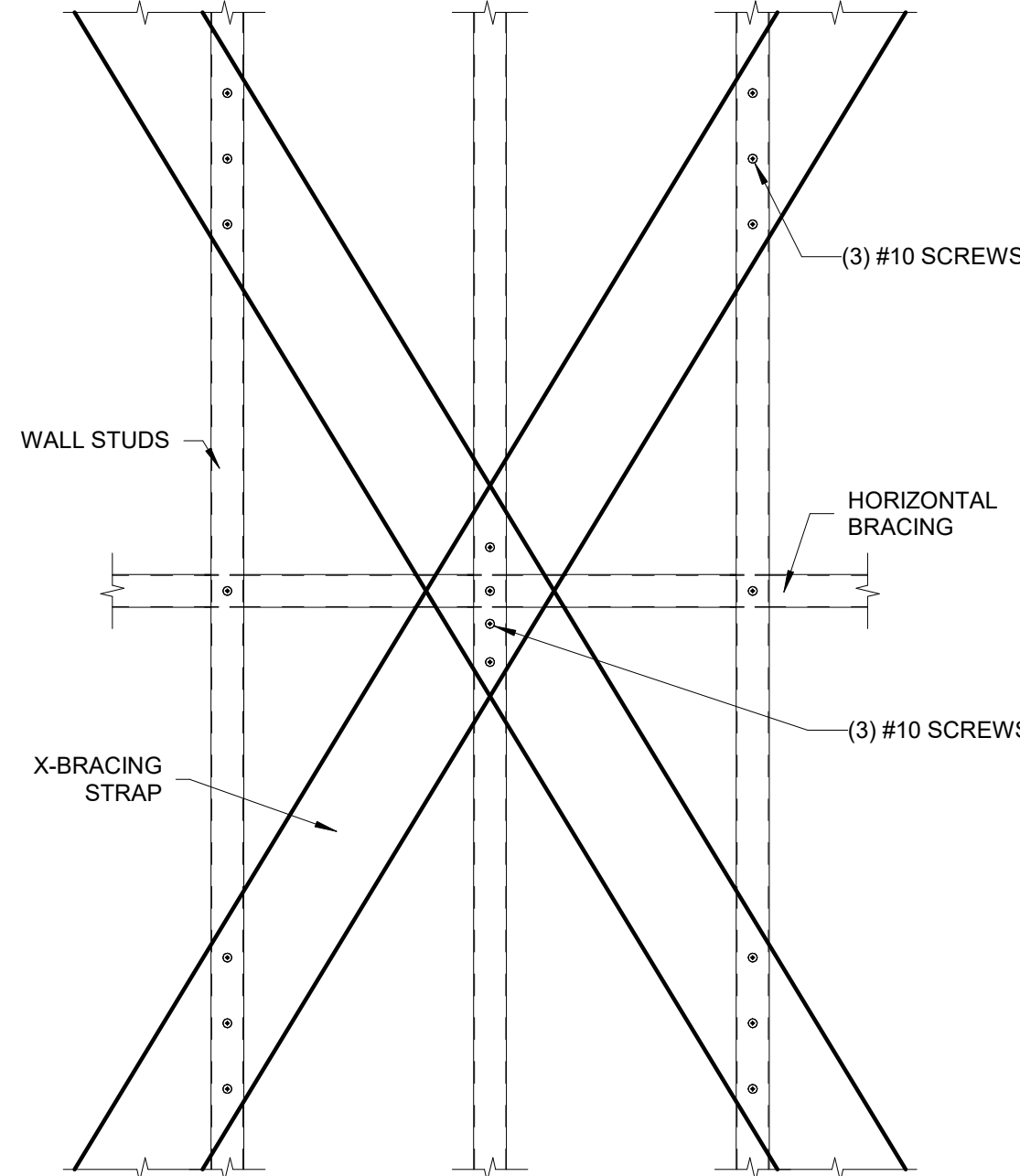
1 WALL CORNER CONNECTION DETAIL  
3" = 1'-0"



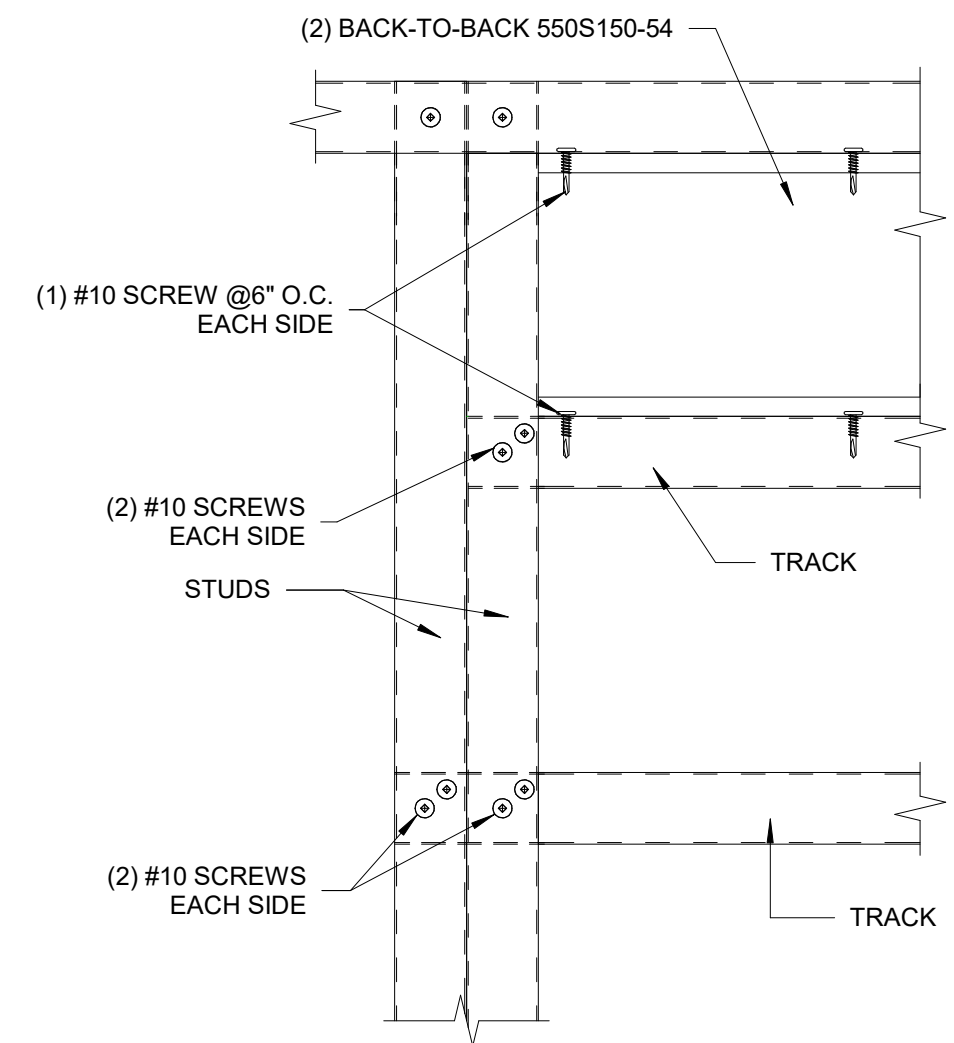
2 WALL CORNER CONNECTION DETAIL  
3" = 1'-0"



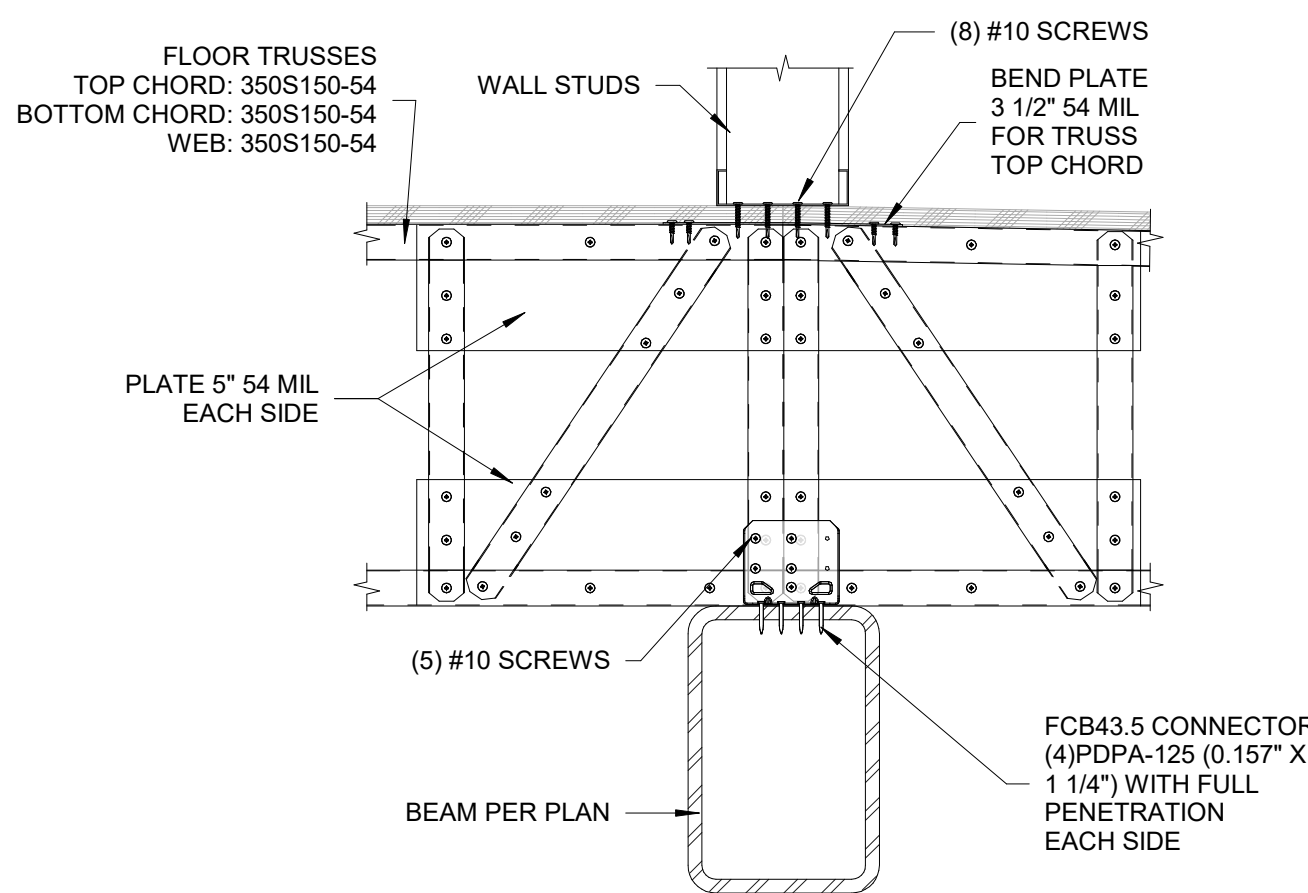
3 WALL TO WALL CONNECTION DETAIL  
3" = 1'-0"



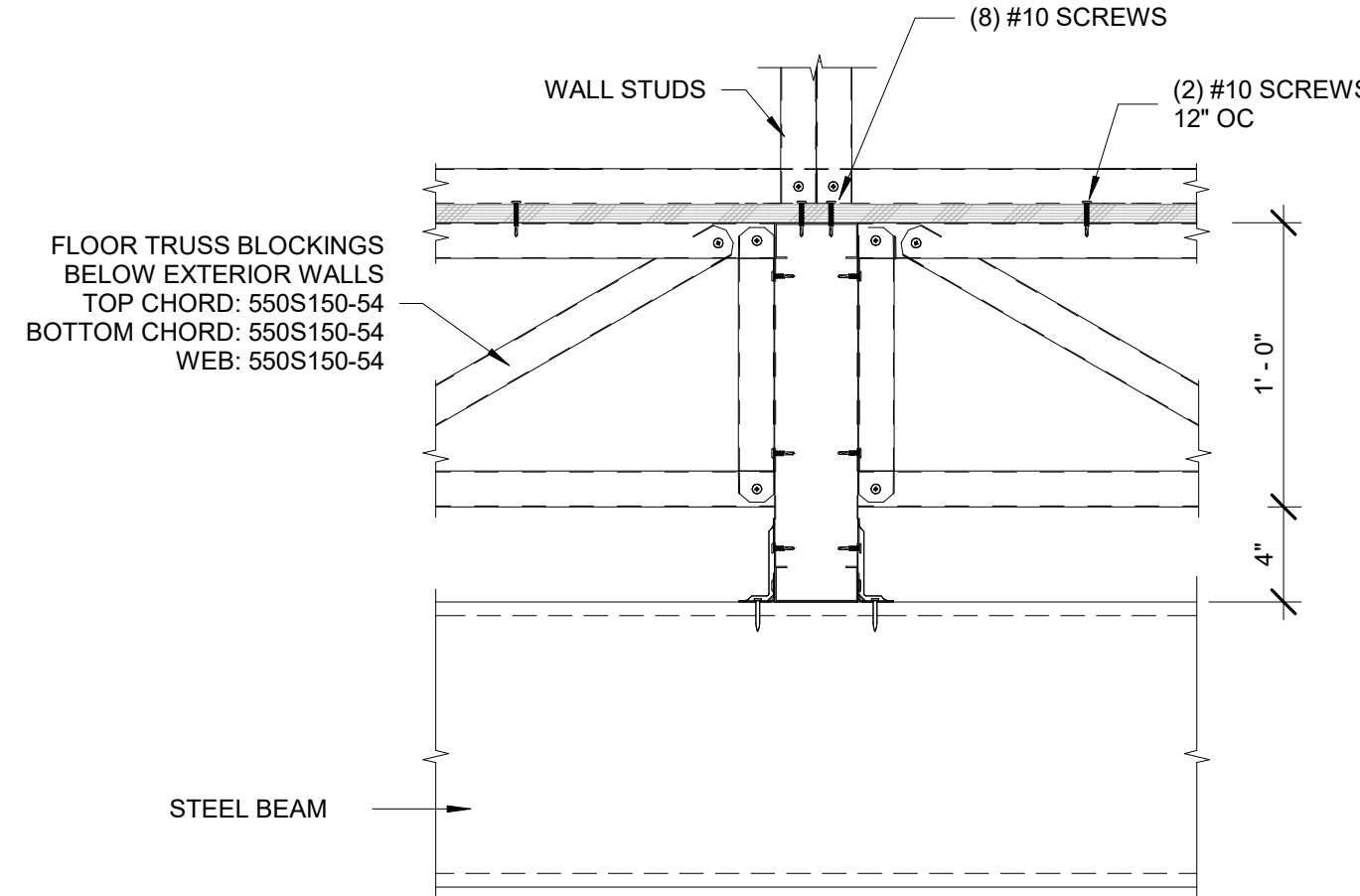
4 WALL X-BRACING CONNECTION DETAIL  
1 1/2" = 1'-0"



6 HEADER CONNECTION DETAIL  
3" = 1'-0"

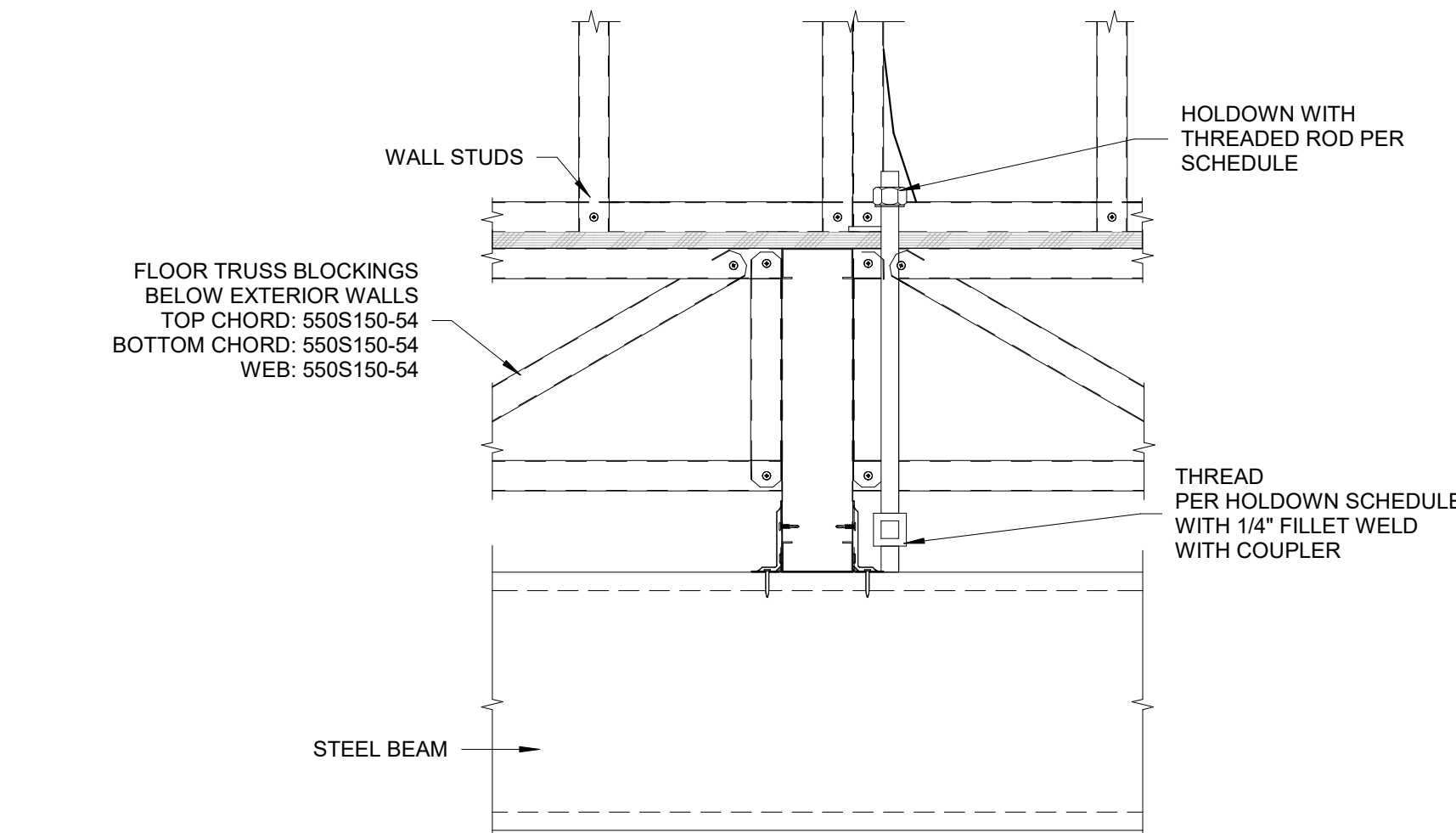


7 FLOOR JOIST TO W-BEAM CONNECTION DETAIL  
1 1/2" = 1'-0"

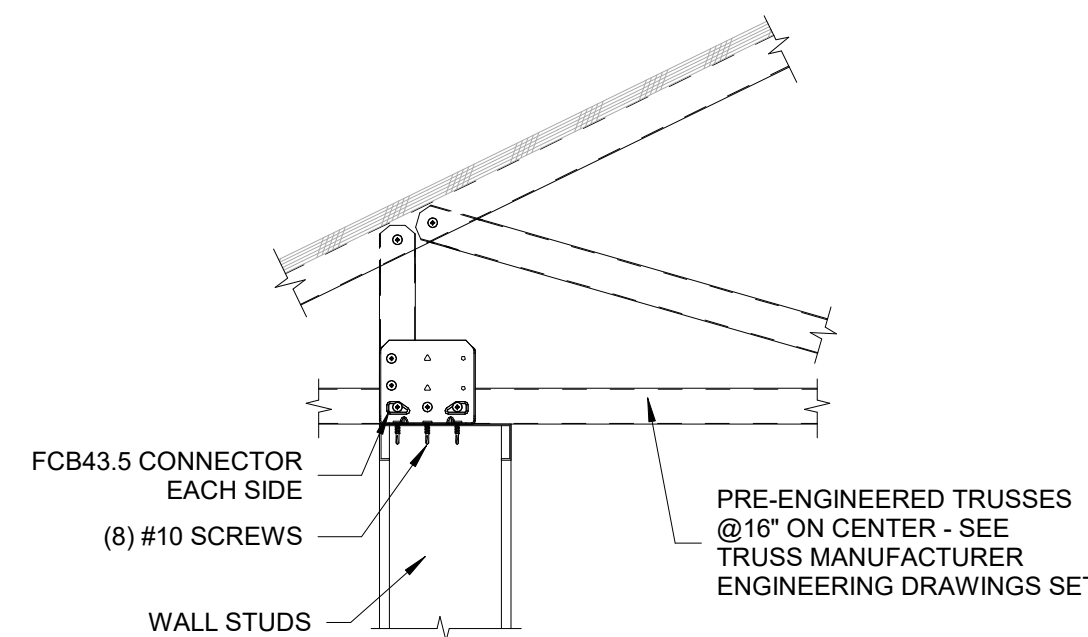
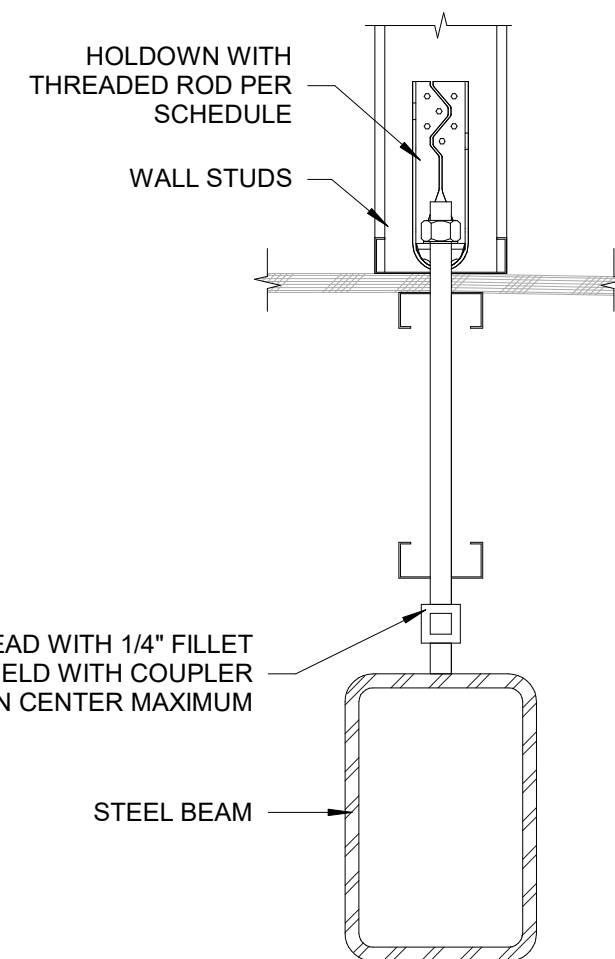


SIDE VIEW

FRONT VIEW



8 WALL STUD TO STEEL BEAM WITH HOLDOWN CONNECTION DETAIL  
1 1/2" = 1'-0"



9 ROOF TRUSS TO WALL STUD CONNECTION DETAIL  
1 1/2" = 1'-0"



