

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.

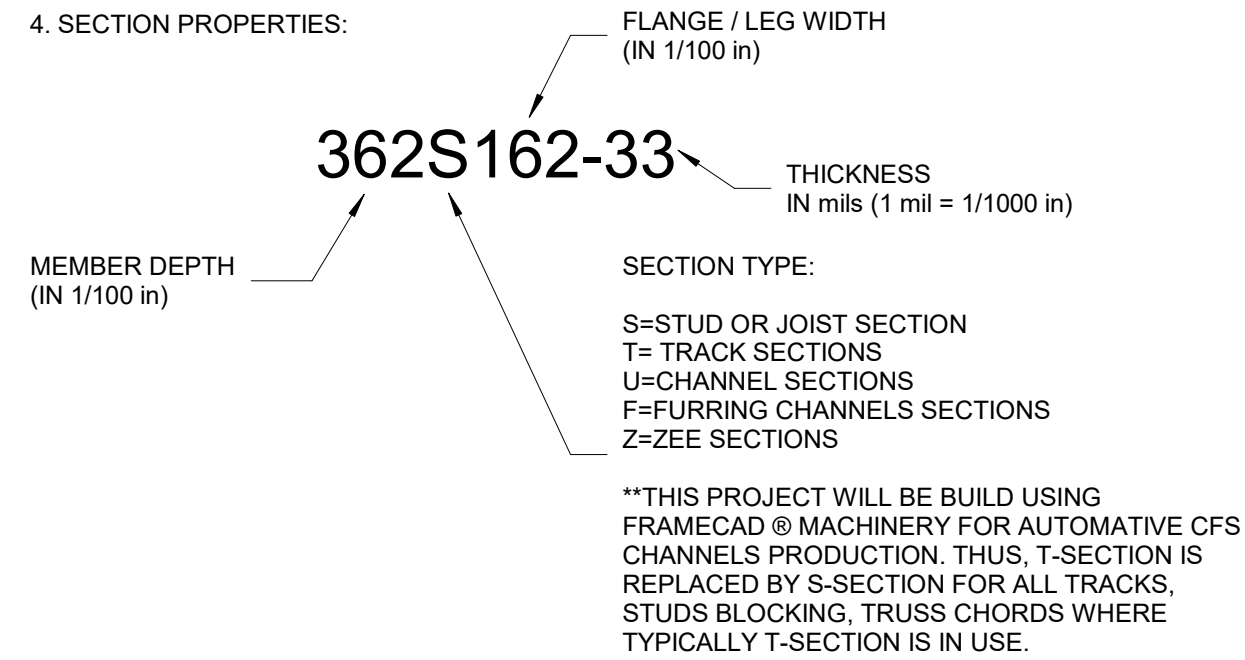
COLD-FORMED STEEL NOTES:

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:

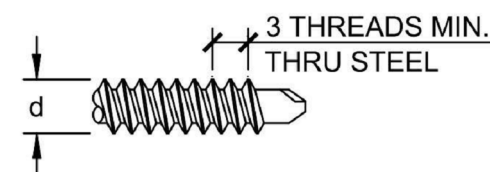


MINIMUM DELIVERABLE THICKNESS (mils)	GAUGE	DESIGN THICKNESS (INCHES)
33	20	0.0346
43	18	0.0451
54	16	0.0566
68	14	0.0713
97	12	0.1017
118	10	0.1242

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" (AIS S100-07/S2-10) INCLUDING THE 2010 SUPPLEMENT SECTION E 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:	A992 GRADE 50
CONNECTION PL. & MISC STEEL (UNO):	ASTM A36
GUSSET & COLLECTOR PLATES:	ASTM A572 GRADE 50
PIPE COLUMNS (TYPE S, SEAMLESS):	ASTM A53 GRADE B
STRUCTURAL TUBING:	ASTM A500 GRADE B
ANGLE, CHANNELS:	ASTM A36
THREADED ROD:	ASTM A36
HEADED SHEAR STUDS:	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. EXTERIOR, 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.

GROUND SCREW NOTES:

1. THE GROUND SCREW INSTALLATION TECHNIQUE SHALL BE SUCH THAT IT IS CONSISTENT WITH THE GEOTECHNICAL, LOGISTICAL, ENVIRONMENTAL, AND LOAD CARRYING CONDITIONS OF THE PROJECT.

2. THE LEAD SECTION SHALL BE POSITIONED AT THE LOCATION AS SHOWN ON SCREW PILE PLAN.

3. THE GROUND SCREW SECTIONS SHALL BE ENGAGED AND ADVANCED INTO THE SOIL IN A SMOOTH, CONTINUOUS MANNER AT A RATE OF ROTATION OF 5 TO 20 RPM'S. EXTENSION SECTIONS SHALL BE PROVIDED TO OBTAIN THE REQUIRED MINIMUM OVERALL LENGTH AND INSTALLATION TORQUE AS SHOWN ON THE SCREW PILE LAYOUT PLAN. CONNECT SECTIONS TOGETHER USING COUPLING BOLT(S) AND NUT TORQUED TO 40 FT-LB.

4. SUFFICIENT DOWN PRESSURE SHALL BE APPLIED TO UNIFORMLY ADVANCE THE GROUND SCREW SECTIONS APPROXIMATELY 3 INCHES PER REVOLUTION. THE RATE OF ROTATION AND MAGNITUDE OF DOWN PRESSURE SHALL BE ADJUSTED FOR DIFFERENT SOIL CONDITIONS AND DEPTHS.

5. GROUND SCREWS SHALL BE INSTALLED TO APPROPRIATE DEPTH IN SUITABLE BEARING STRATUM AS DETERMINED BY GEOTECHNICAL ENGINEER.

6. FIELD WELDING SHALL BE PERFORMED BY A WELDER CERTIFIED FOR STRUCTURAL STEEL.

7. GROUND SCREWS ARE MADE WITH HOT DIPPED GALVANIZED STRUCTURAL STEEL TO A ISO-DIN 1461 STANDARD.

SPECIAL INSPECTIONS NOTES:

VERIFICATION & INSPECTION	C	P	NOTES
1705.12 - REQUIRED VERIFICATION AND INSPECTION FOR SEISMIC RESISTANCE			
2. SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS.		X	CBC 1705.12.3 NUMBER 2 * NOT REQUIRED WHERE FASTENER SPACING OF SHEATHING IS MORE THAN 4" ON CENTER

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.

DESIGN PARAMETERS:

GENERAL PARAMETERS:

THE DESIGN FORCES LISTED ARE PER CHAPTER 16 OF 2019 CALIFORNIA BUILDING CODE (CBC-19) ASCE 7-16

LOADS:	DEAD LOAD (DL)	LIVE LOAD (LL)
WALL:	10 PSF	20 PSF
ROOF:	10 PSF	20 PSF
FLOOR:	11.5 PSF	40 PSF

WIND DESIGN BASIS:

BASIC WIND SPEED.....	110 MPH
IMPORTANCE FACTOR I.....	1.0
RISK CATEGORY.....	II
WIND EXPOSURE.....	C
SNOW LOAD (DESIGN SNOW LOAD).....	0 psf

SEISMIC DESIGN BASIS:

IMPORTANCE FACTOR I.....	1.0
SITE CLASS.....	D (ASSUME STIFF SOIL PROFILE)
Ss.....	0.707
S1.....	0.295
SDs.....	0.582
SEISMIC DESIGN CATEGORY.....	D
BASIC SEISMIC FORCE-RESISTING SYSTEM.....	A-18 (ASCE 7-16 TABLE 12.2-1)
R.....	4

SOIL DATA:

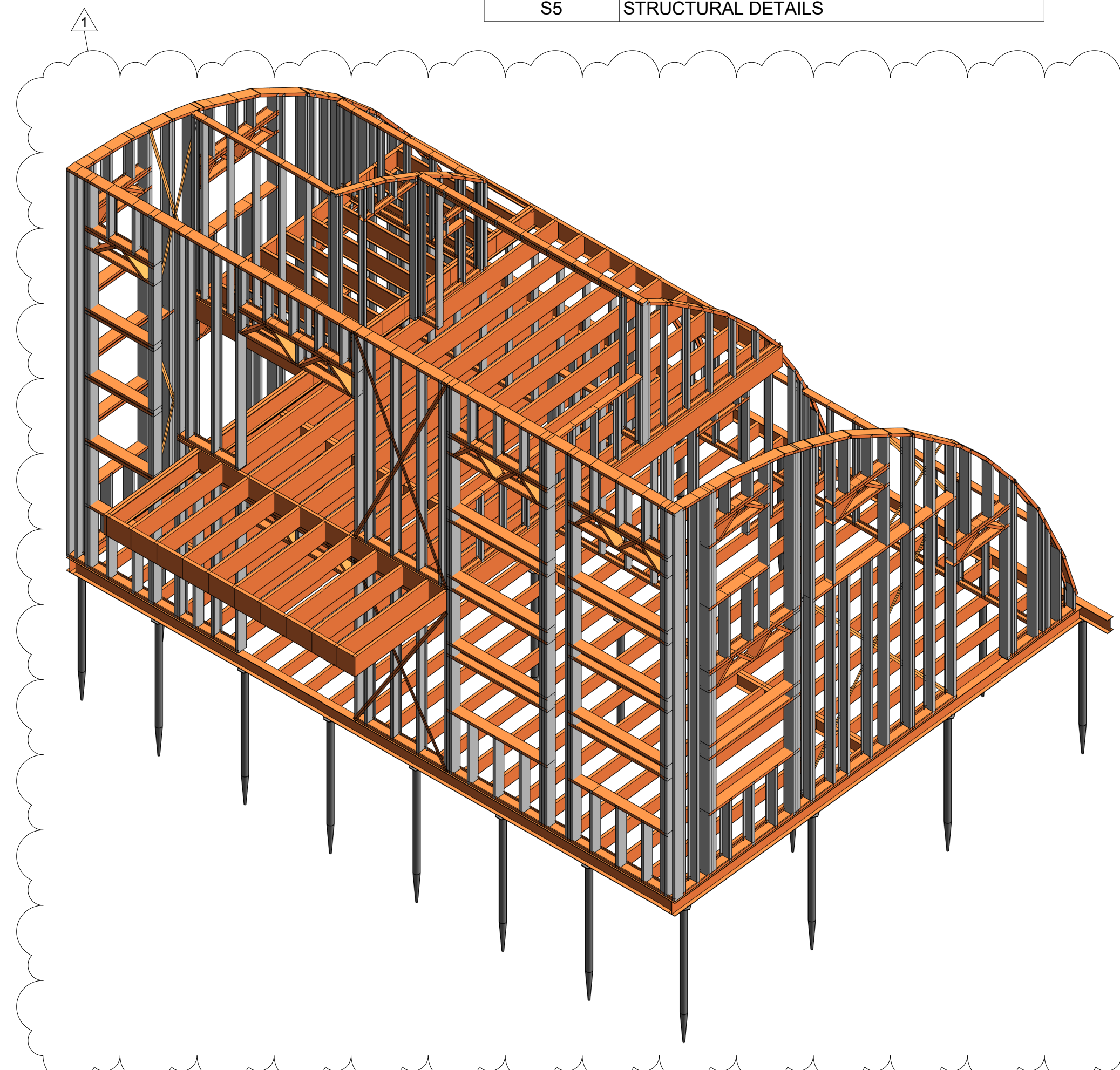
BEARING CAPACITY:
 DEAD + LIVE LOADS 2,000 PSF
 WIND OR SEISMIC LOADS 2,500 PSF
 BASED ON GEOTECH REPORT BY
 STREAMLINE ENGINEERING, INC. PROJECT #5035, MARCH 31 2023
 REGISTERED PROFESSIONAL ENGINEER - JEFFREY M RICHIEU

CODE /AUTHORITY:

ALL WORK SHALL COMPLY WITH THE FOLLOWING:

- 2019 CALIFORNIA RESIDENTIAL CODE (CRC);
- 2019 CALIFORNIA BUILDING CODE (CBC);
- ASCE 7-16 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;

SHEET LIST.	
SHEET NUMBER	SHEET NAME
S0	COVER SHEET
S1	STRUCTURAL FOUNDATION PLAN
S2	STRUCTURAL PLANS
S3	STRUCTURAL SECTIONS
S4	STRUCTURAL SECTIONS & DETAILS
S5	STRUCTURAL DETAILS



DRAWN BY _____
 DZ
 CHECKED BY _____
 MK
 PROJECT NUMBER _____
 22-108

SHEET NUMBER:
S0
 SHEET NAME:
COVER SHEET

FOUNDATION NOTES:

INSTALLATION PROCEDURES:

1. THE HELICAL PILE INSTALLATION TECHNIQUE SHALL BE SUCH THAT IT IS CONSISTENT WITH THE GEOTECHNICAL, LOGISTICAL, ENVIRONMENTAL, AND LOAD CARRYING CONDITIONS OF THE PROJECT.
2. THE LEAD SECTION SHALL BE POSITIONED AT THE LOCATION AS SHOWN ON SCREW PILE PLAN.
3. THE HELICAL PILE SECTIONS SHALL BE ENGAGED AND ADVANCED INTO THE SOIL IN A SMOOTH, CONTINUOUS MANNER AT A RATE OF ROTATION OF 5 TO 20 RPM'S. EXTENSION SECTIONS SHALL BE PROVIDED TO OBTAIN THE REQUIRED MINIMUM OVERALL LENGTH AND INSTALLATION TORQUE AS SHOWN ON THE SCREW PILE LAYOUT PLAN. CONNECT SECTIONS TOGETHER USING COUPLING BOLT(S) AND NUT TORQUED TO 40 FT-LB.
4. SUFFICIENT DOWN PRESSURE SHALL BE APPLIED TO UNIFORMLY ADVANCE THE HELICAL PILE SECTIONS APPROXIMATELY 3 INCHES PER REVOLUTION. THE RATE OF ROTATION AND MAGNITUDE OF DOWN PRESSURE SHALL BE ADJUSTED FOR DIFFERENT SOIL CONDITIONS AND DEPTHS.

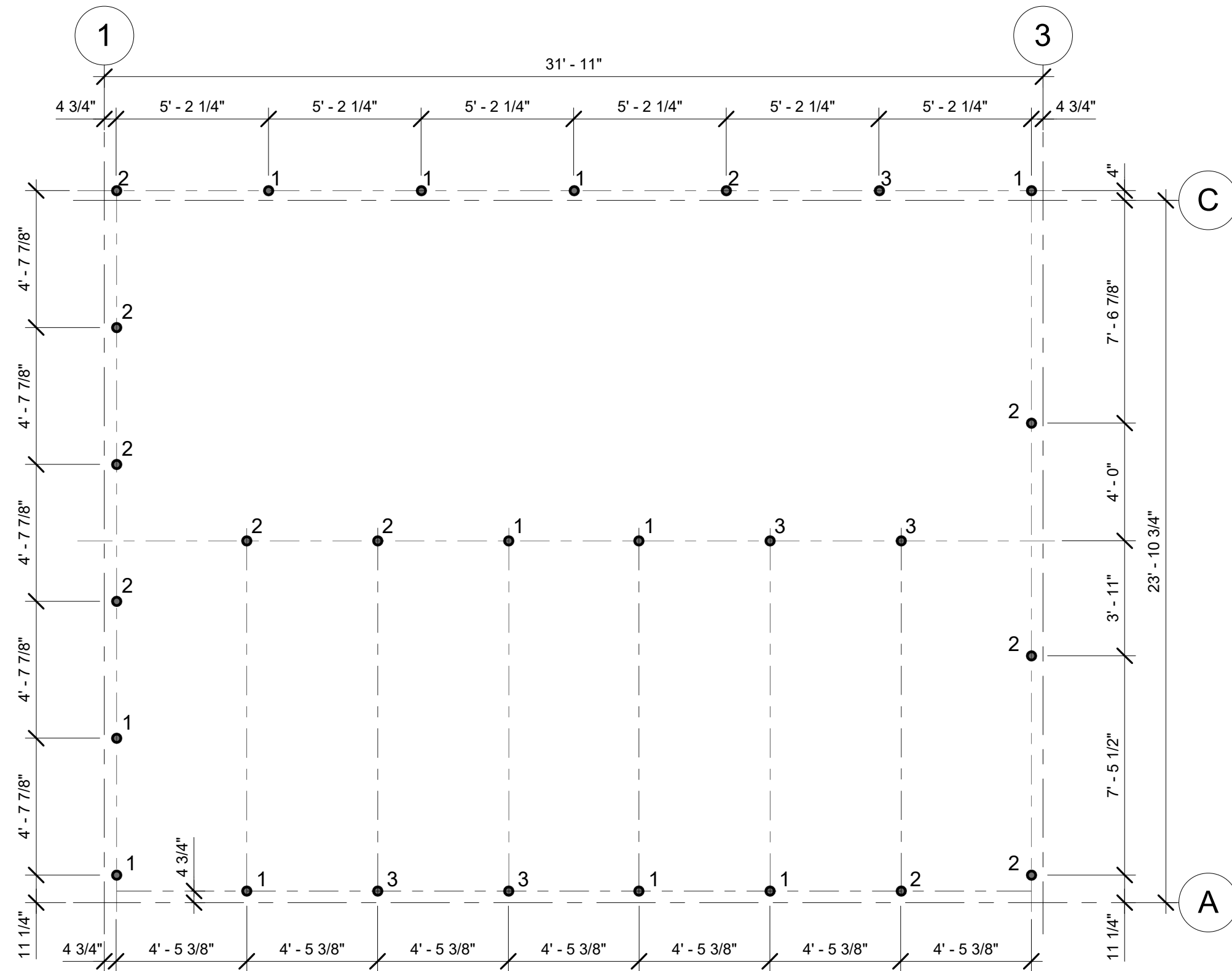
SCREW PILE MAX LOAD FORCES:

MAX SHEAR: 1.80 kip
 MAX COMPRESSION: 7.60 kip
 MAX UPLIFT: 1.25 kip

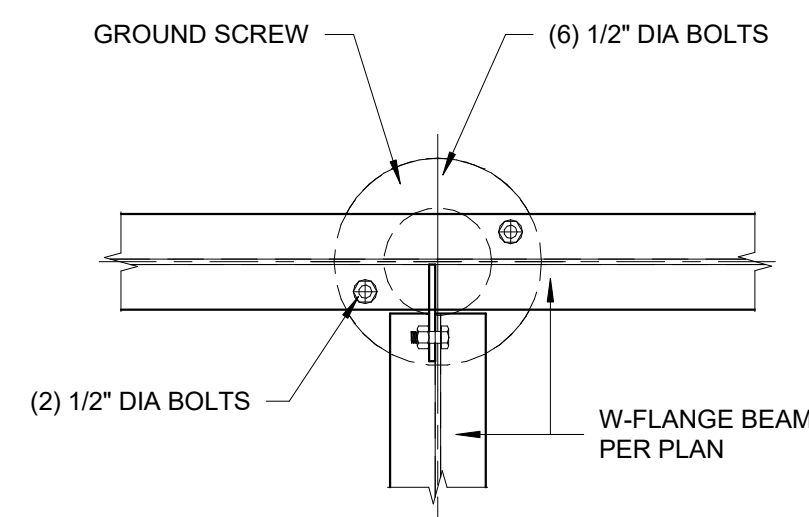
SCREW PILE MODEL: AMERICAN GROUND SCREW 4.5" DIA.
 ON-SITE LOAD TEST TO PROVE SPECIFIED MAX LOADS ARE MET.
 PILE HEIGHT 4.5" DIA. - 2000MM MAX.

SCREW PILE LOADS SCHEDULE / SCREW PILE SPECIFICATION

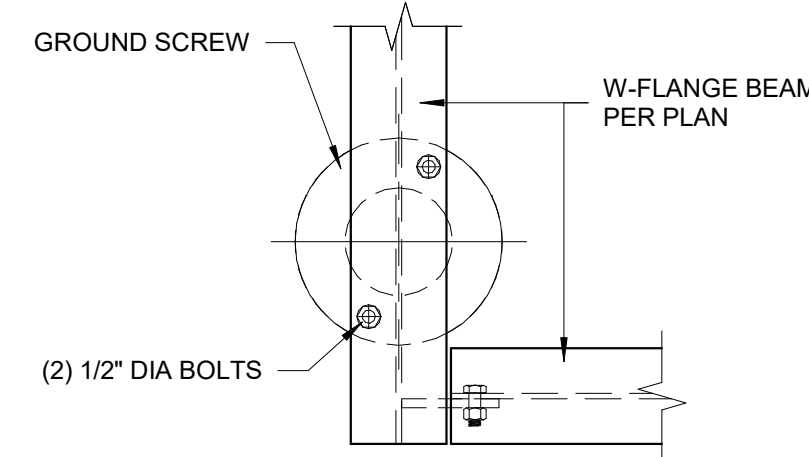
MARK	PILE MODEL	PILE DEPTH, INCH, MIN	MAX SHEAR X, KIP	MAX SHEAR Y, KIP	MAX COMPRESSION, KIP
1	4.5" DIA	60	1.40	1.80	7.60
2	4.5" DIA	60	1.50	1.80	6.95
3	4.5" DIA	60	1.05	0.50	4.80



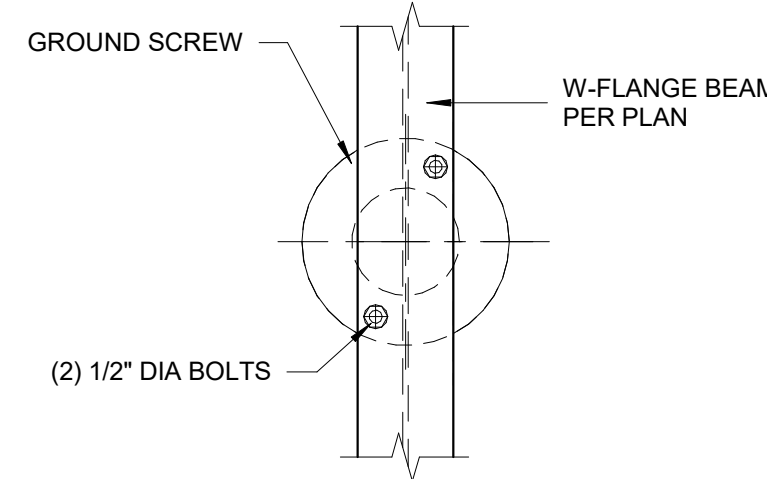
1 FOUNDATION PLAN
 1/4" = 1'-0"



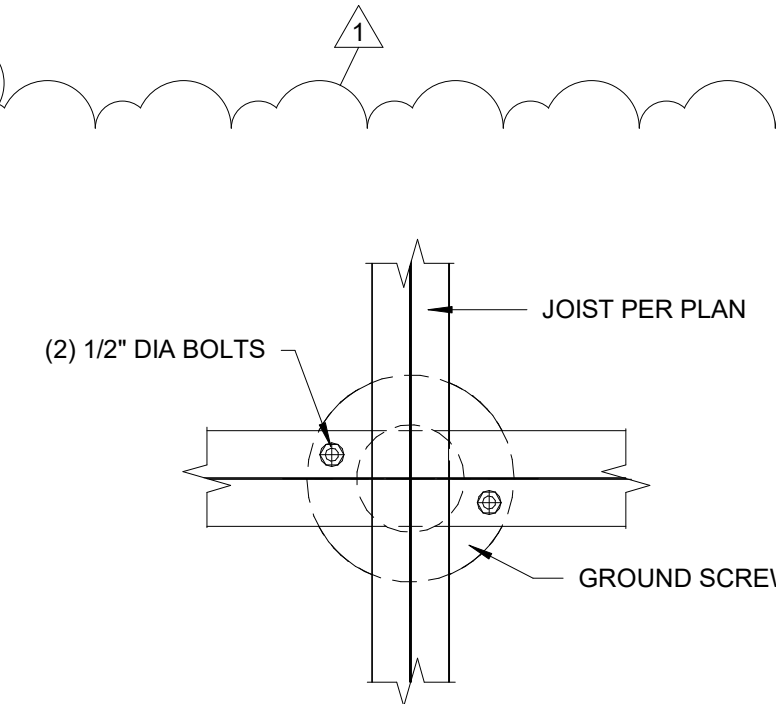
2 SCREW PILE TO I-BEAM DETAIL
 1 1/2" = 1'-0"



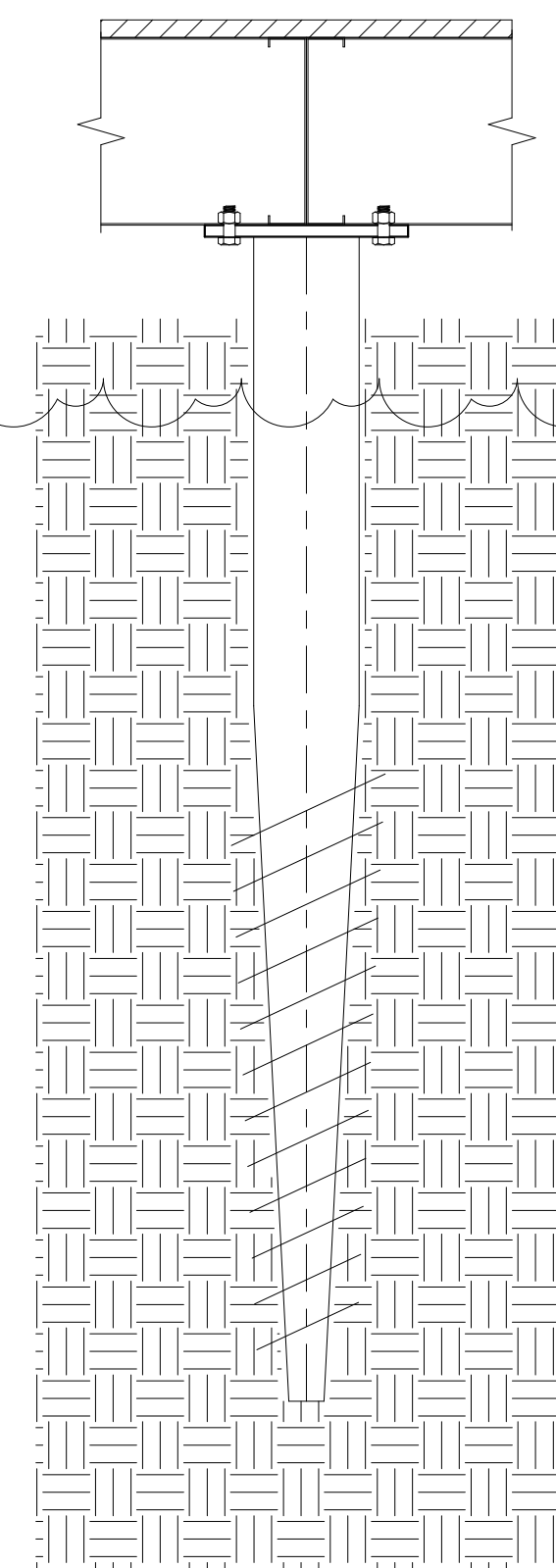
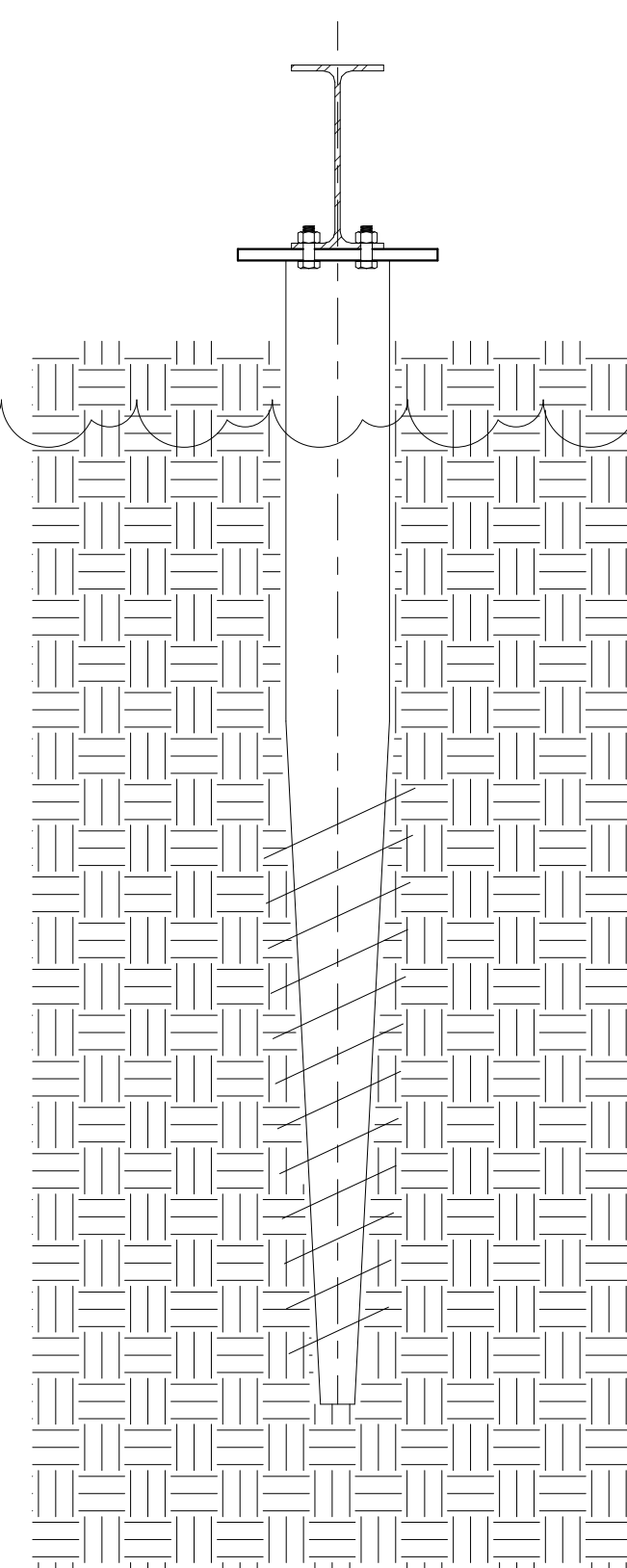
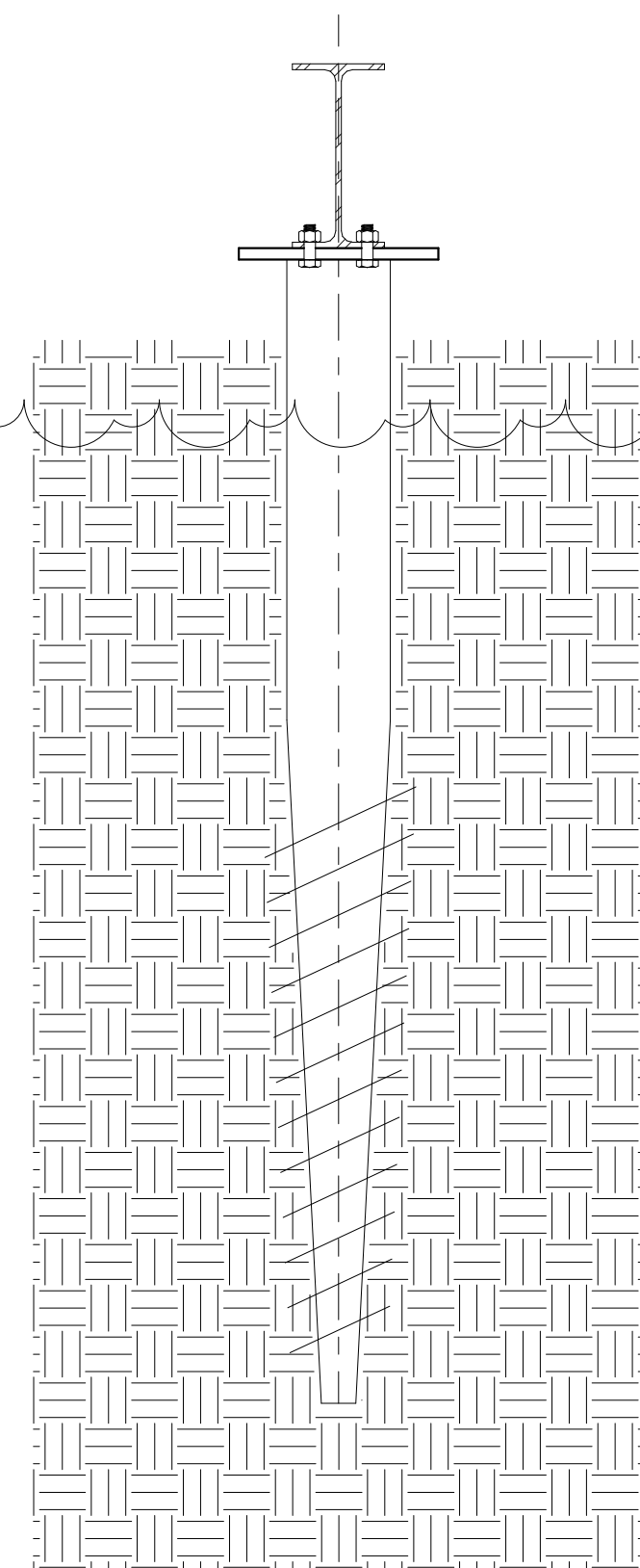
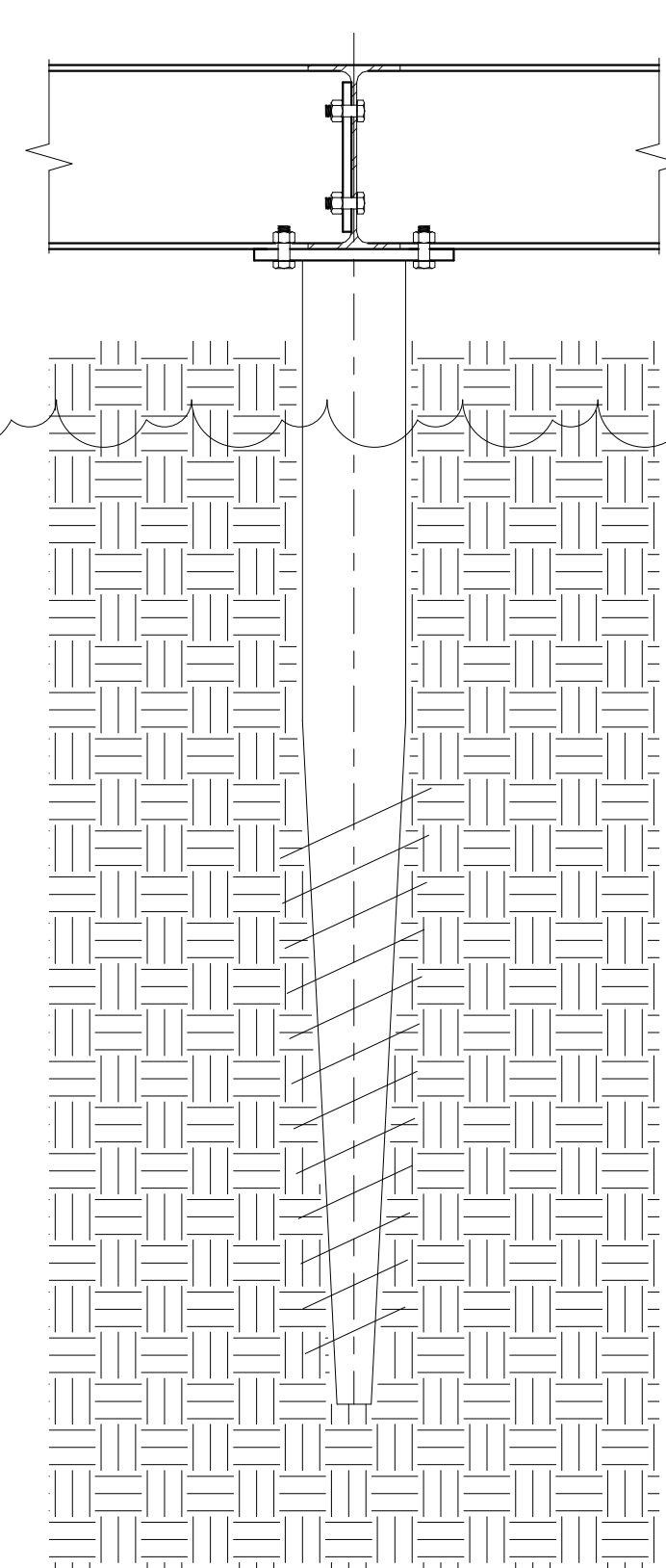
3 SCREW PILE TO I-BEAM CORNER DETAIL
 1 1/2" = 1'-0"



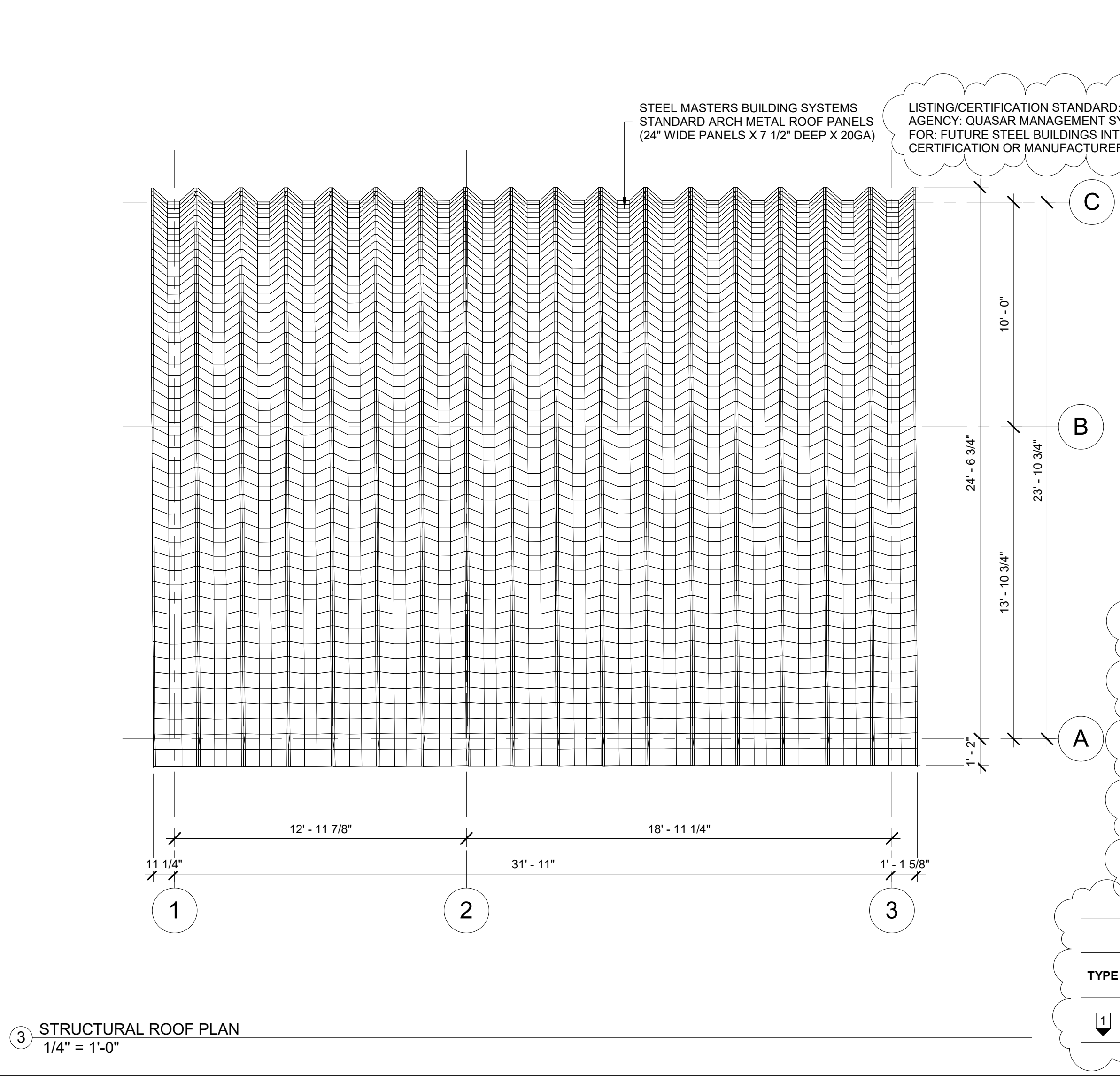
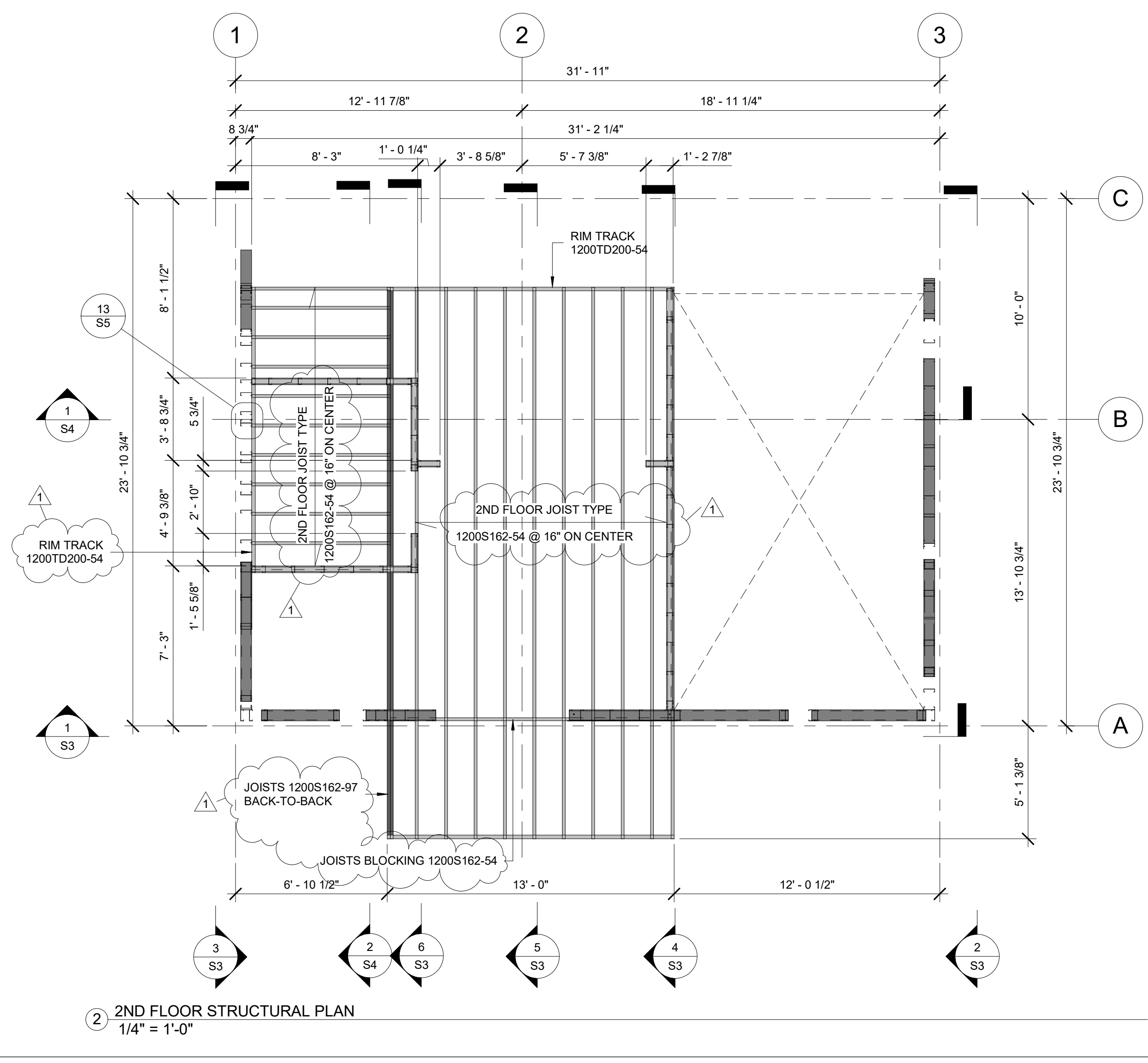
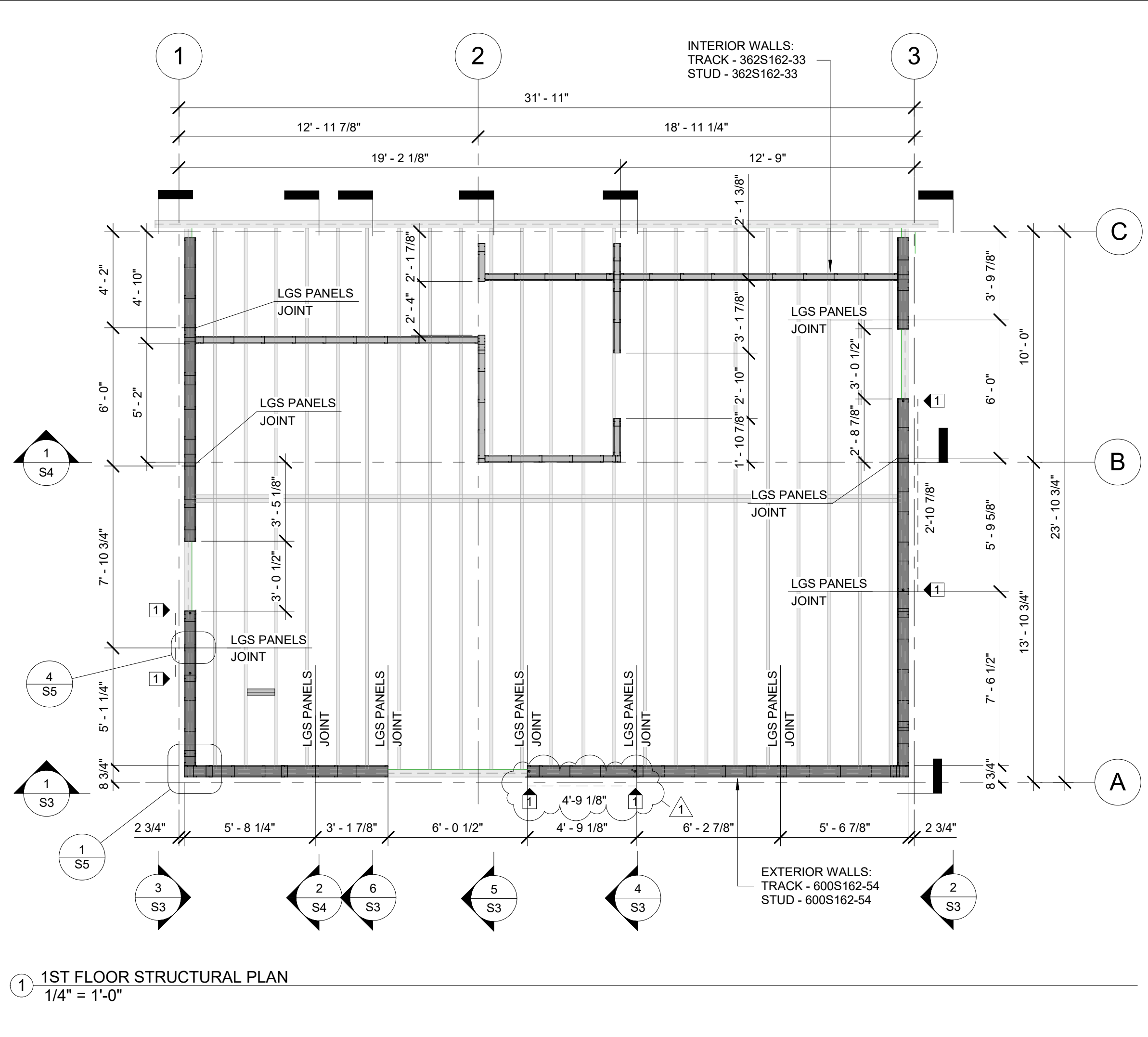
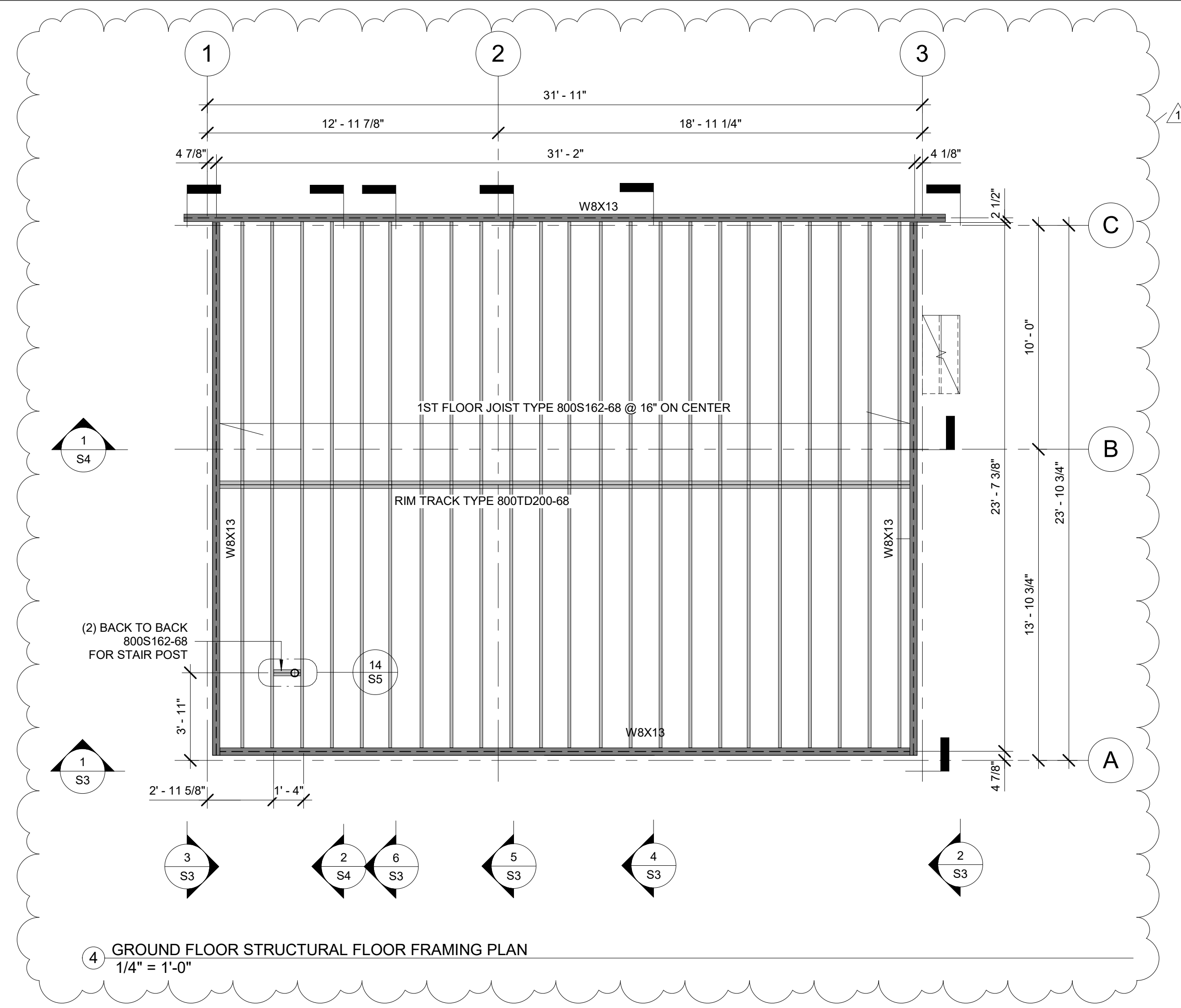
4 SCREW PILE TO I-BEAM DETAIL
 1 1/2" = 1'-0"



5 SCREW PILE TO FLOOR JOISTS DETAIL
 1 1/2" = 1'-0"



SHEET NUMBER:
S1
 SHEET NAME:
STRUCTURAL FOUNDATION PLAN
 DRAWN BY: DZ
 CHECKED BY: MK
 PROJECT NUMBER: 22-108



FLOOR FRAMING NOTE:
1ST & 2ND STOREY FLOOR FRAMING CLARKDIETRICH FLOOR JOIST & TRADEREADY® RIM TRACK

X-BRACING SCHEDULE		
1	X-Bracing strap	
X	Length of X-bracing (Min.)	
1	HD per Schedule	

Refer to Plans for Specific Transfer & Connection Detail at each X-Bracing Strap Location

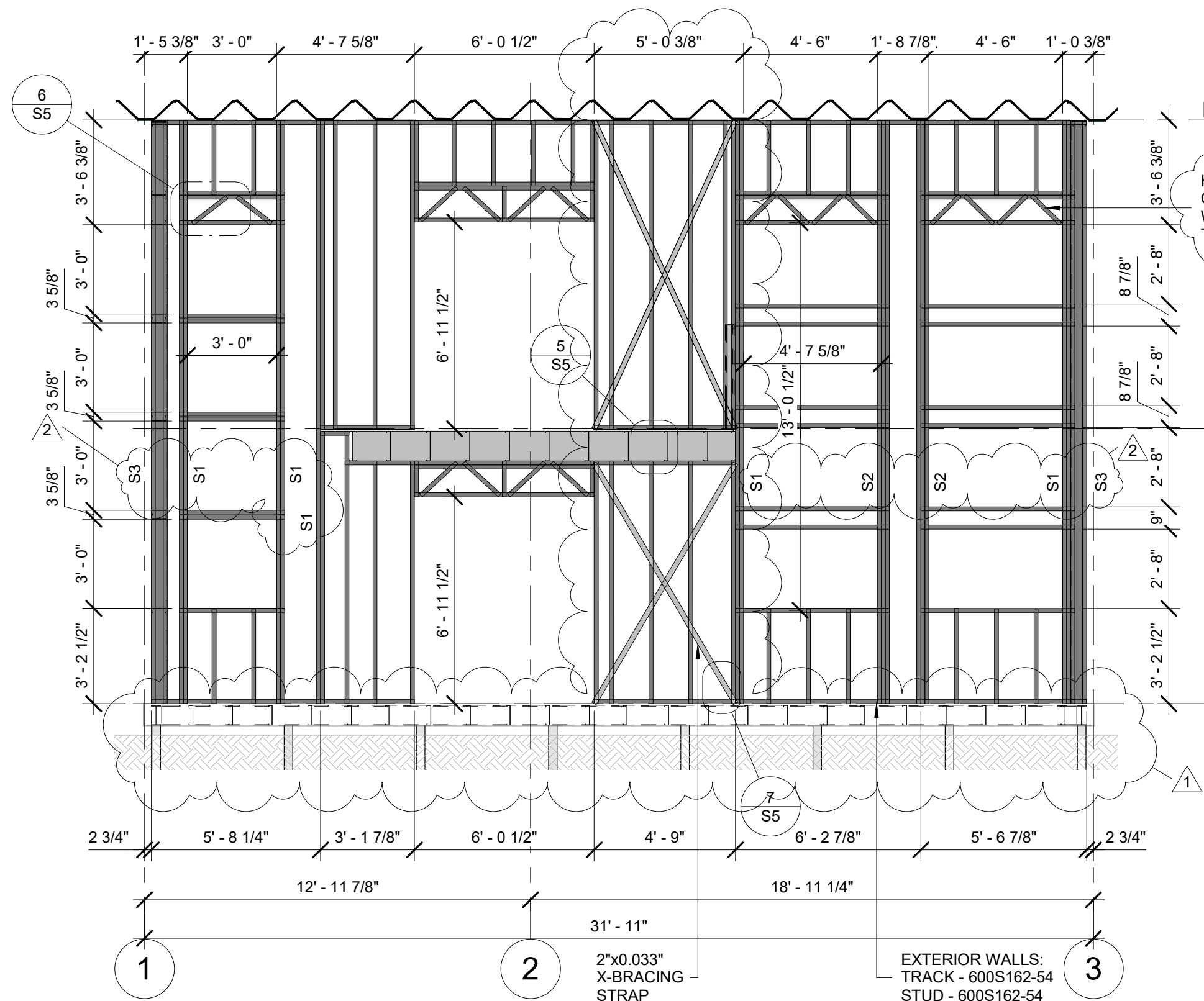
HOLD-DOWN SCHEDULE		
TYPE	HOLD-DOWN	ANCHOR / EMBEDMENT
1	SIMPSON S/HDU4	5/8" DIA AB

STEEL MASTERS BUILDING SYSTEMS
STANDARD ARCH METAL ROOF PANELS
(24" WIDE PANELS X 7 1/2" DEEP X 20GA)

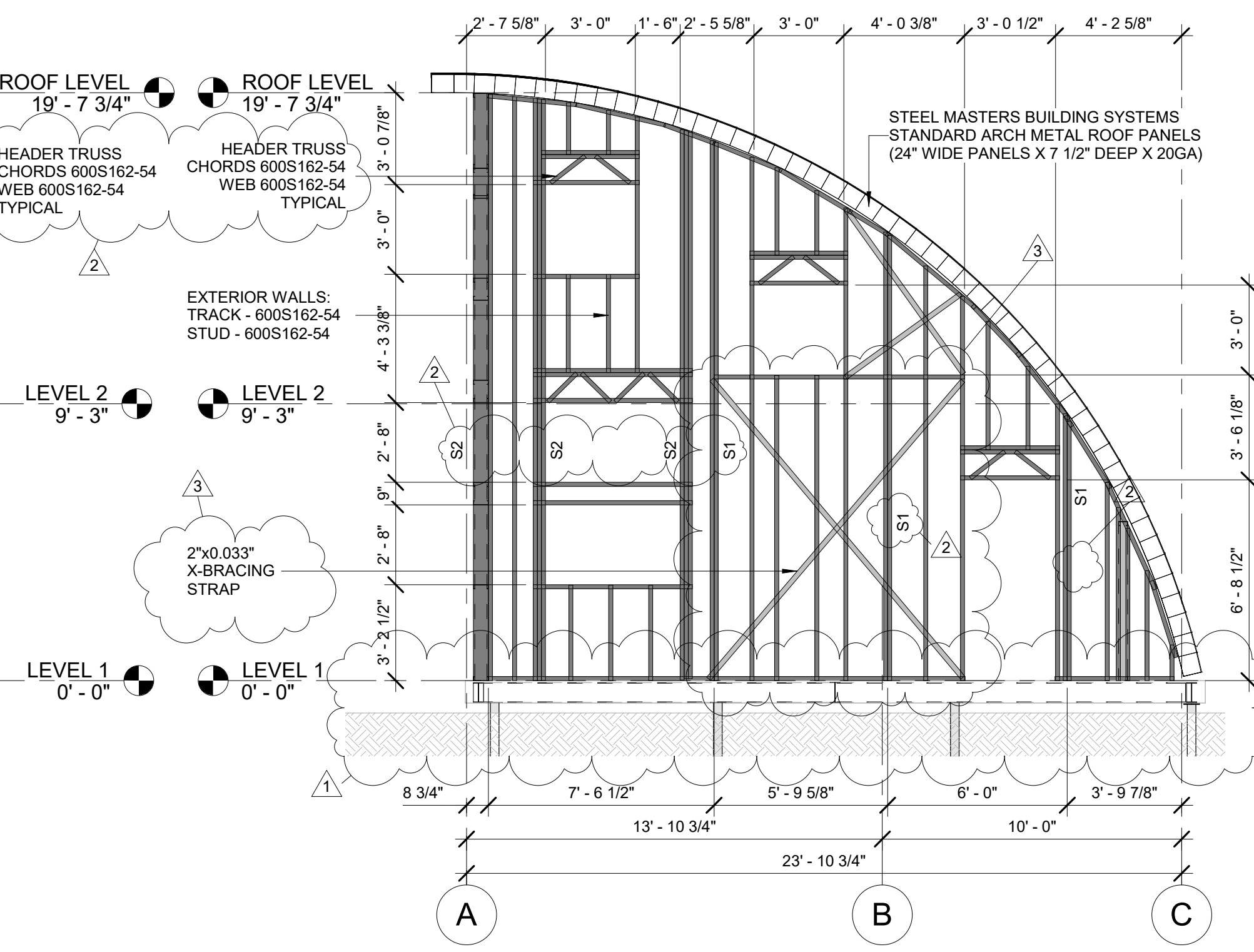
LISTING/CERTIFICATION STANDARD: CSA A660-10
AGENCY: QUASAR MANAGEMENT SYSTEMS
FOR: FUTURE STEEL BUILDINGS INT'L. COPR.
CERTIFICATION OR MANUFACTURERS OF STEEL BUILDING SYSTEMS

DRAWN BY _____
DZ
CHECKED BY _____
MK
PROJECT NUMBER _____
22-108

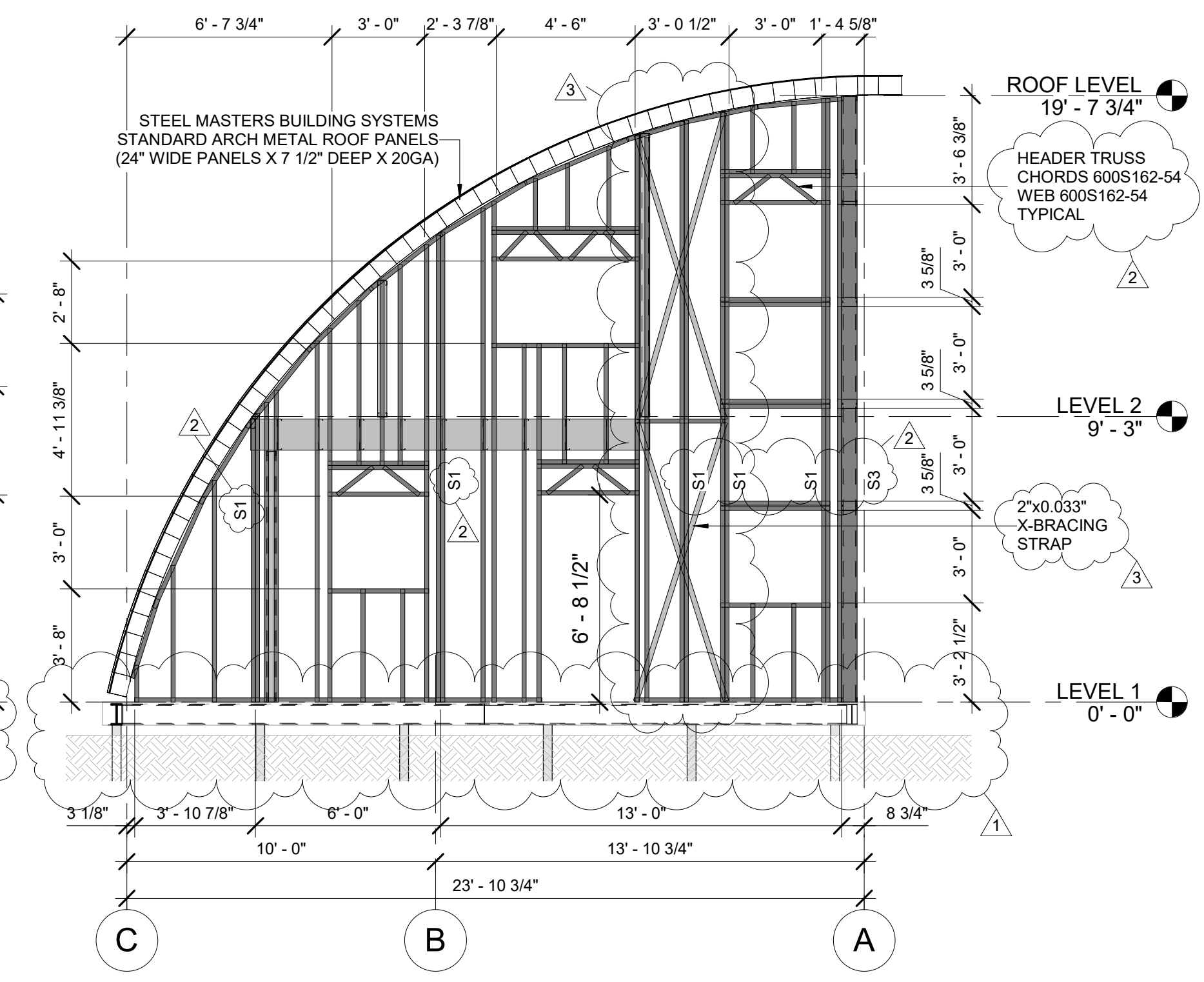
SHEET NUMBER:
S2
SHEET NAME:
STRUCTURAL PLANS



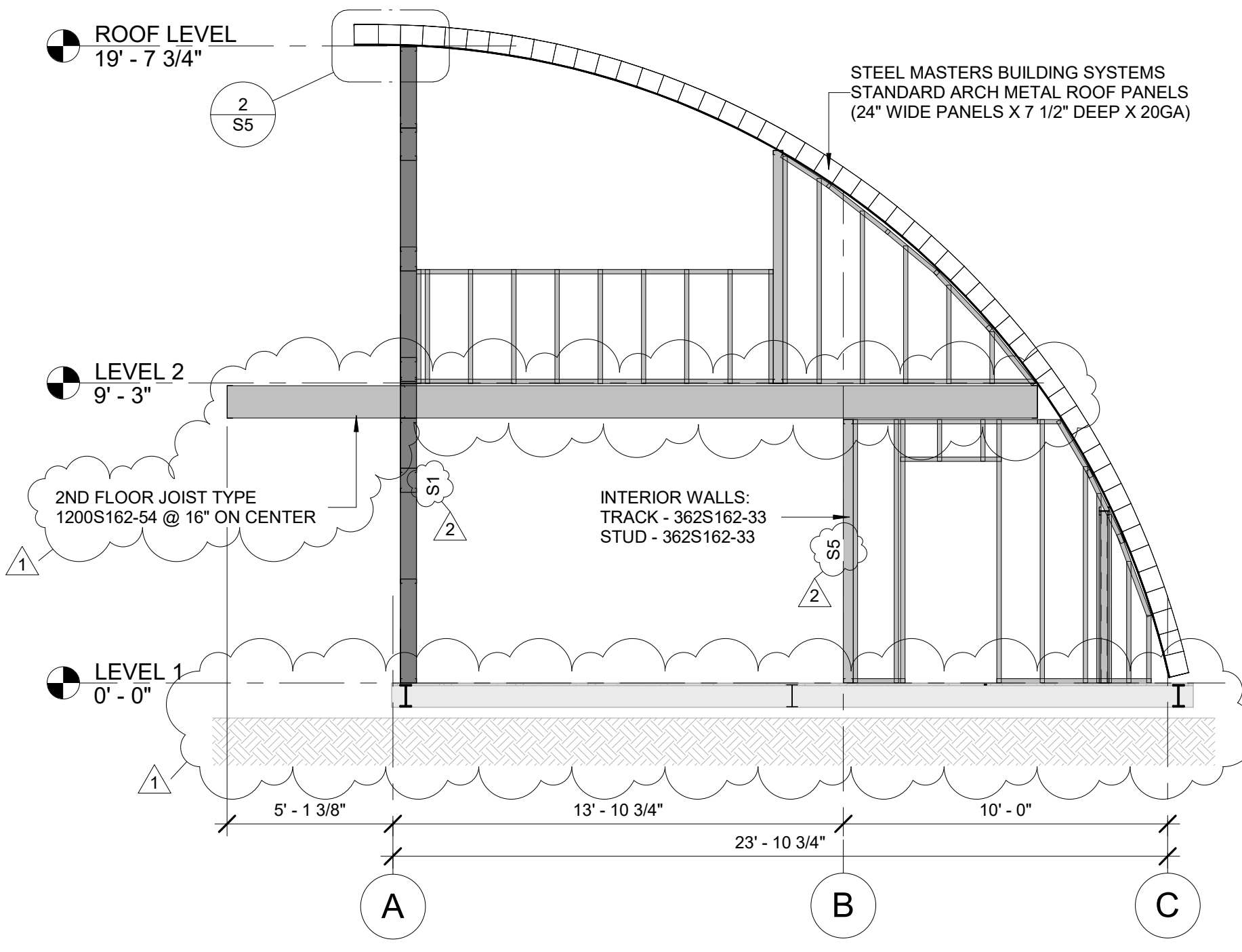
1 STRUCTURAL SECTION
1/4" = 1'-0"



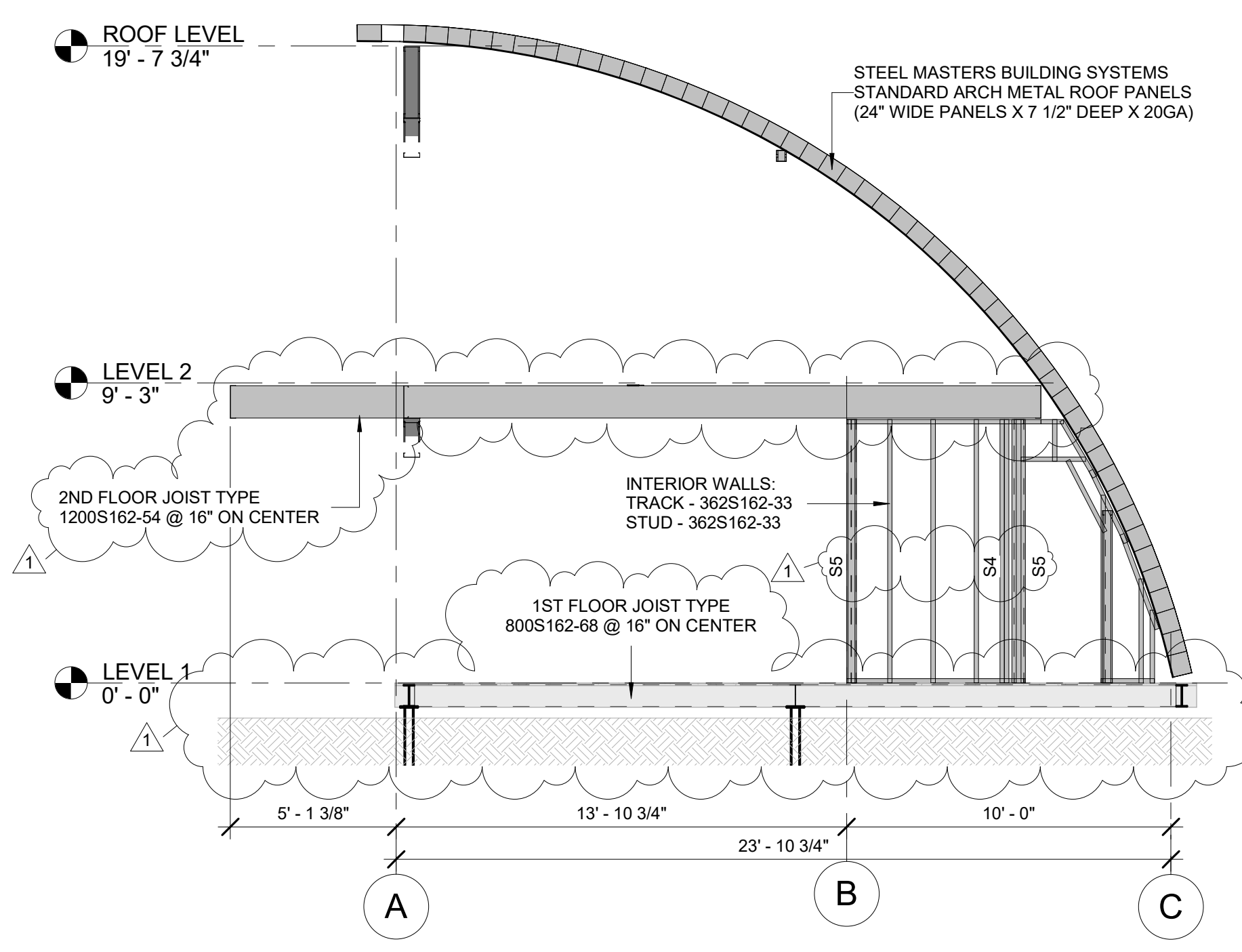
2 STRUCTURAL SECTION
1/4" = 1'-0"



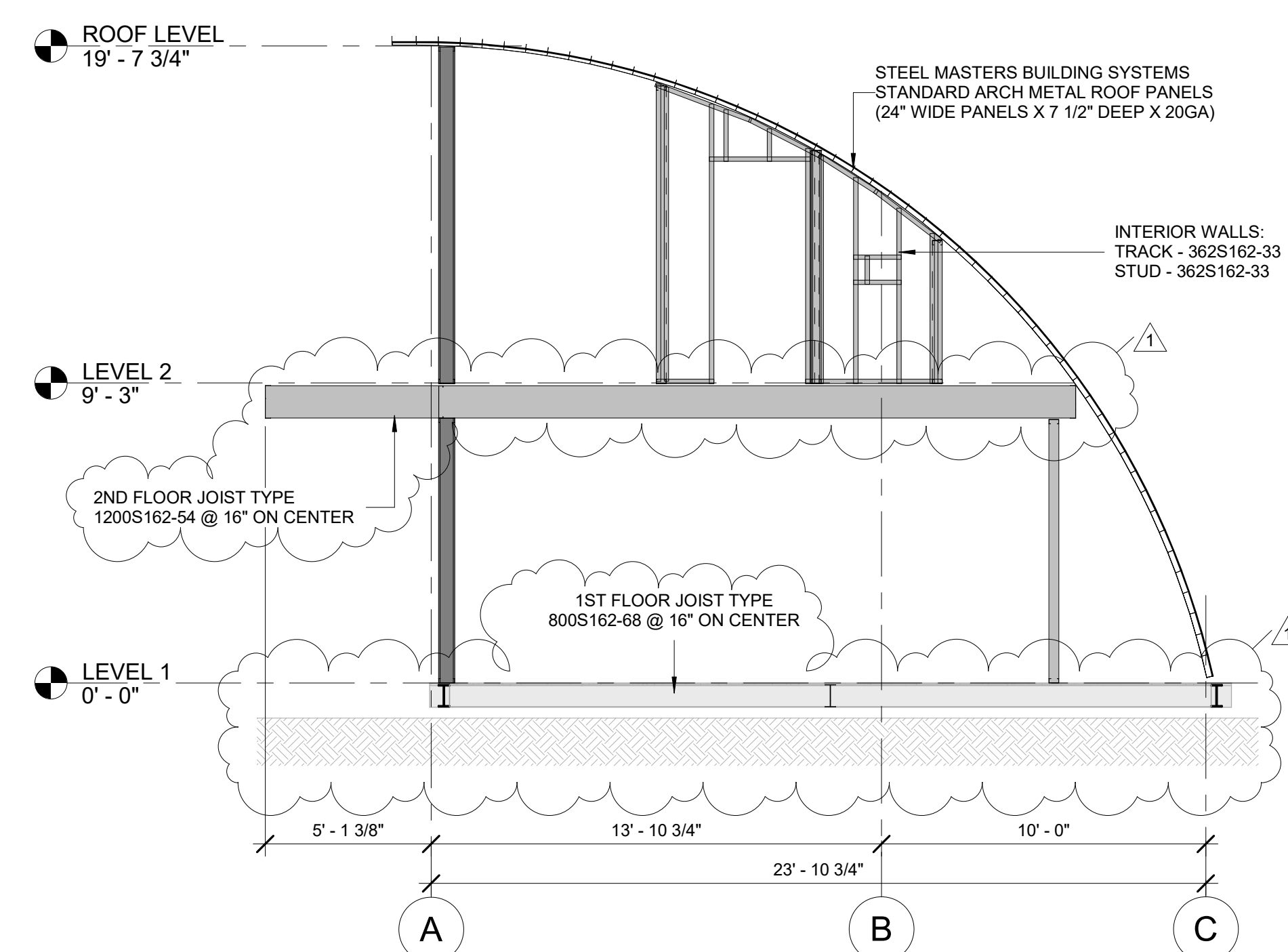
3 STRUCTURAL SECTION
1/4" = 1'-0"



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



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



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

WALL STUD SCHEDULE		
MARK	STUDS TYPE	STUD SECTIONS
S1	DOUBLE STUD	(2) 600S162-54 (50 ksi)
S2	TRIPLE STUD	(3) 600S162-54 (50 ksi)
S3	TRIPLE STUD CORNER POST	(3) 600S162-54 (50 ksi)
S4	DOUBLE STUD	(2) 362S162-33 (33 ksi)
S5	TRIPLE STUD CORNER POST	(3) 362S162-33 (33 ksi)

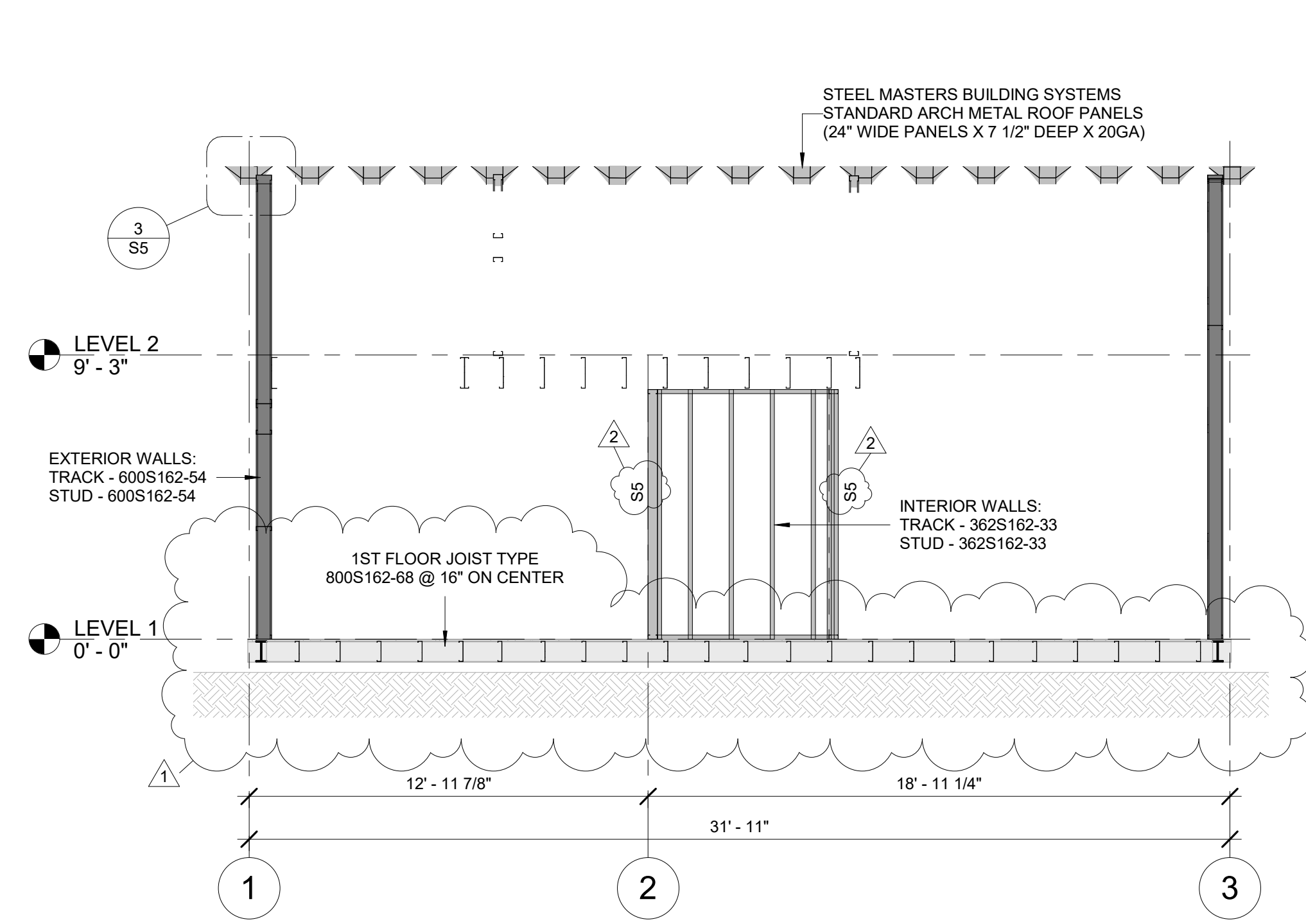
SHEET NUMBER:
S3

DRAWN BY
DZ

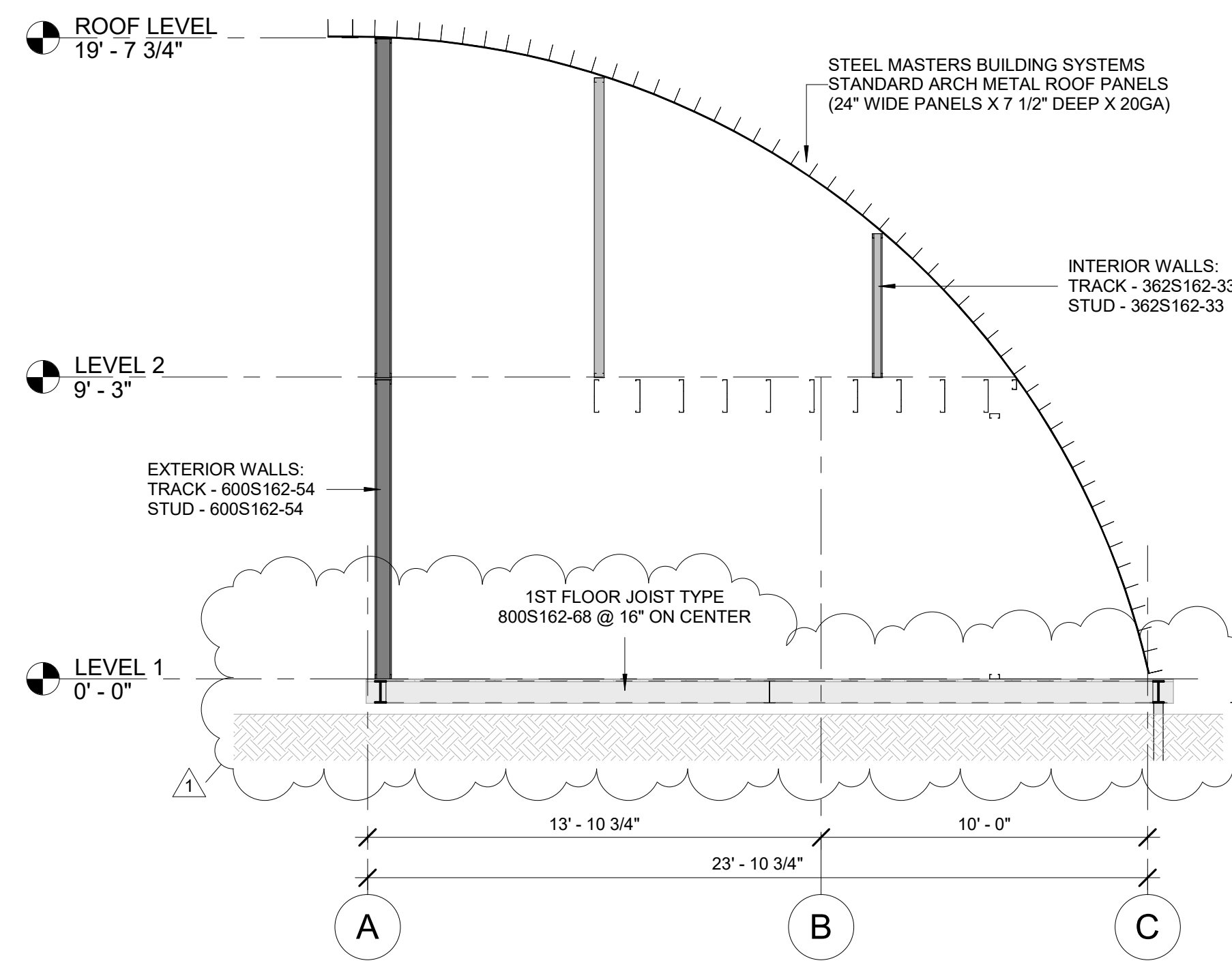
CHECKED BY
MK

PROJECT NUMBER
22-108

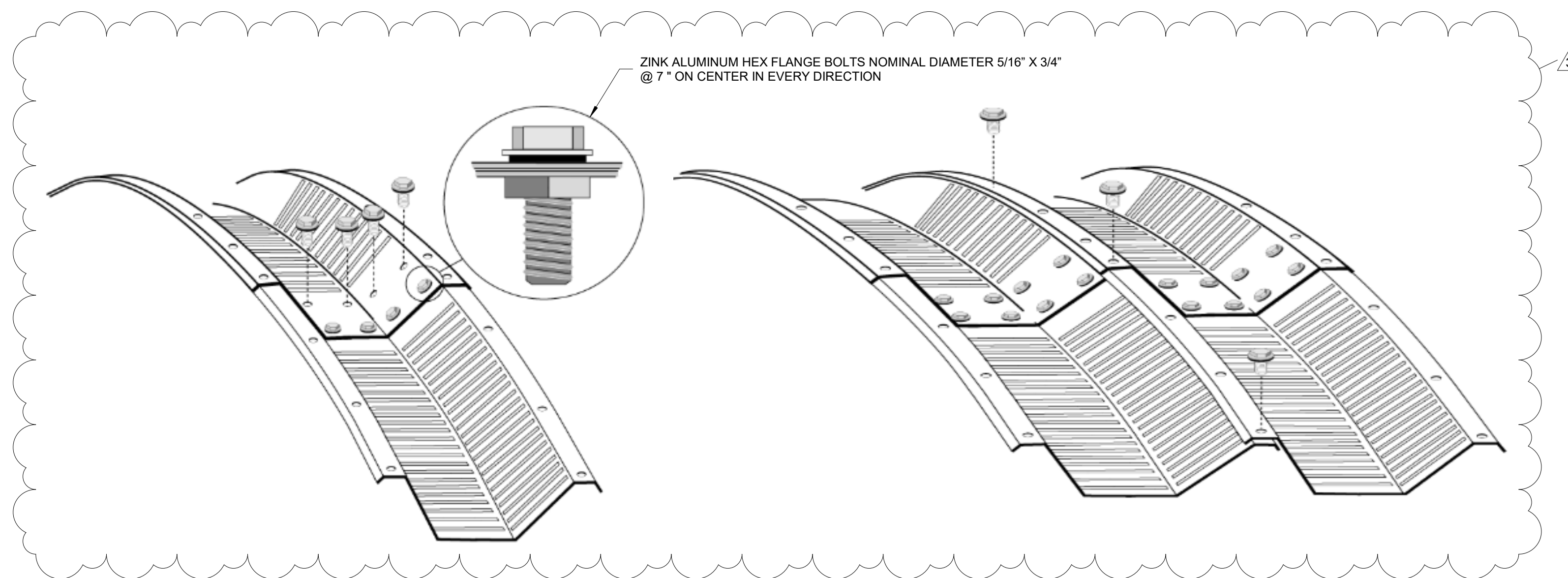
SHEET NAME:
STRUCTURAL SECTIONS



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



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



3 ARCH PROFILES CONNECTION
1" = 1'-0"

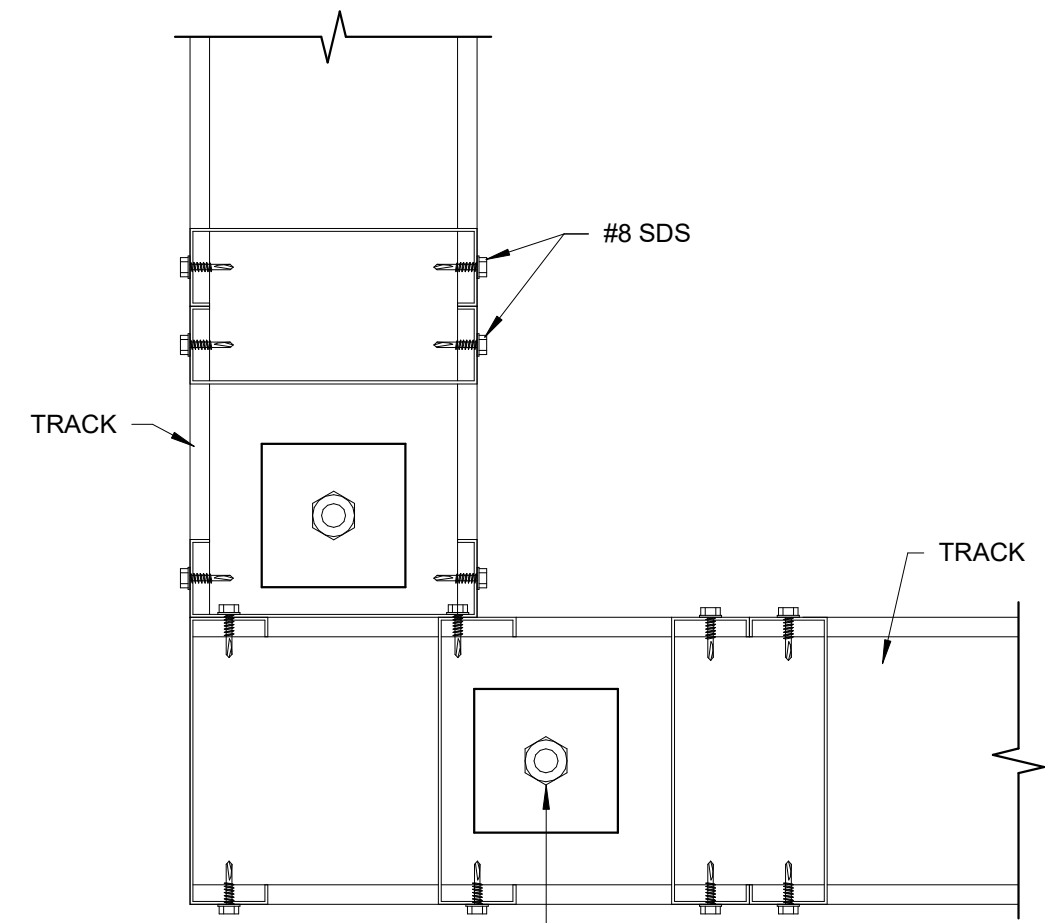
WALL STUD SCHEDULE

MARK	STUDS TYPE	STUD SECTIONS
S1	DOUBLE STUD	(2) 600S162-54 (50 ksi)
S2	TRIPLE STUD	(3) 600S162-54 (50 ksi)
S3	TRIPLE STUD CORNER POST	(3) 600S162-54 (50 ksi)
S4	DOUBLE STUD	(2) 362S162-33 (33 ksi)
S5	TRIPLE STUD CORNER POST	(3) 362S162-33 (33 ksi)

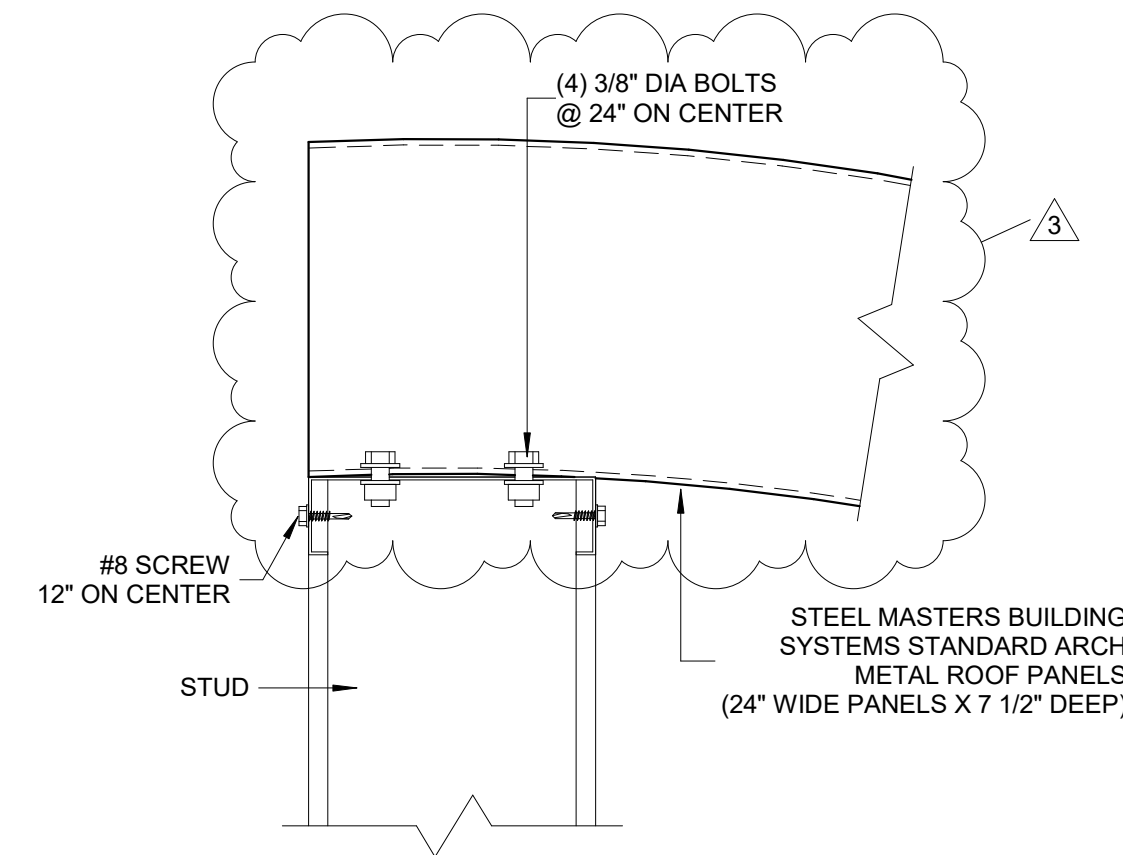
DRAWN BY: _____
 CHECKED BY: _____
 PROJECT NUMBER: _____

SHEET NUMBER:
S4
 SHEET NAME:
STRUCTURAL SECTIONS & DETAILS

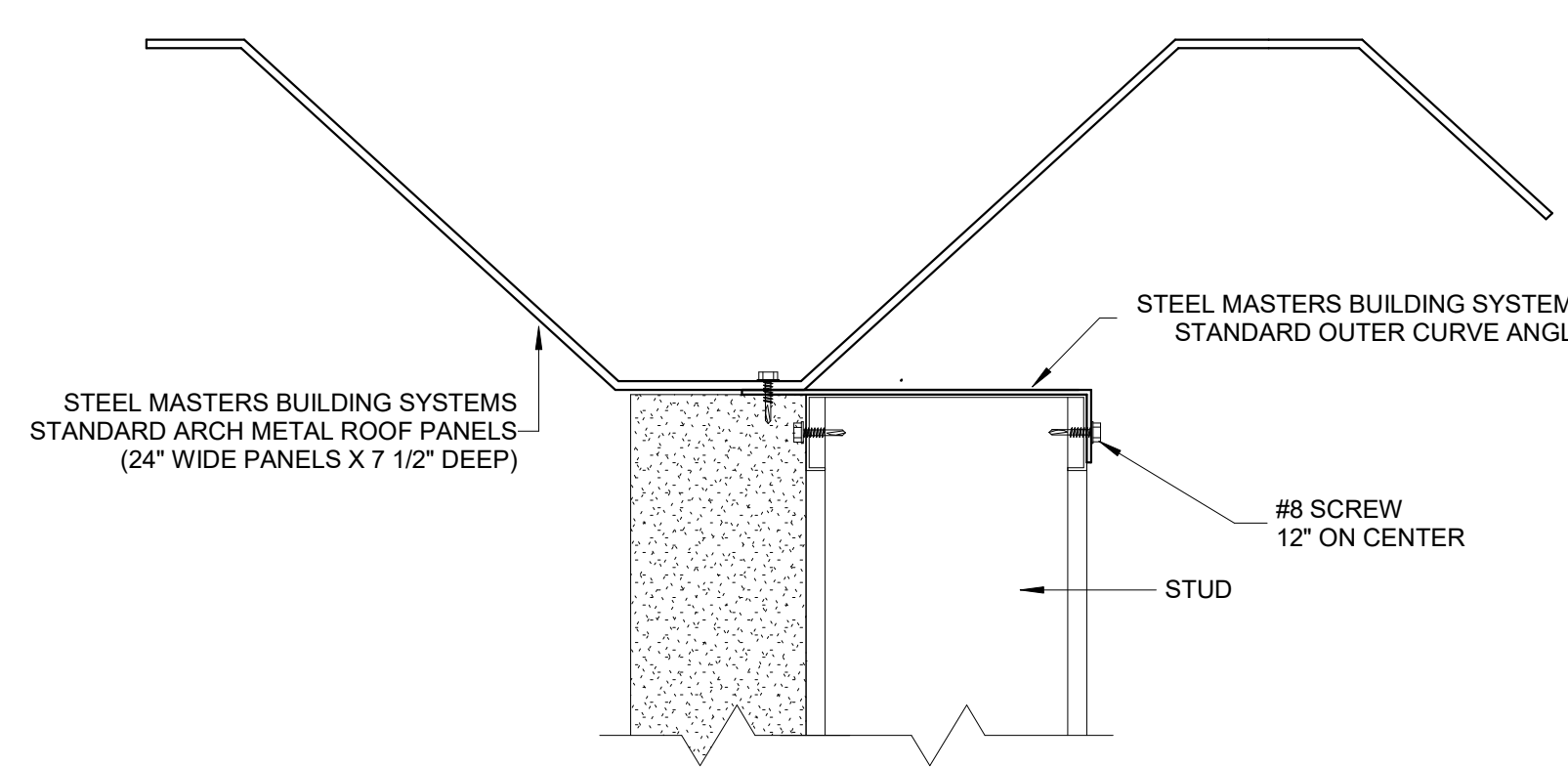
22-108



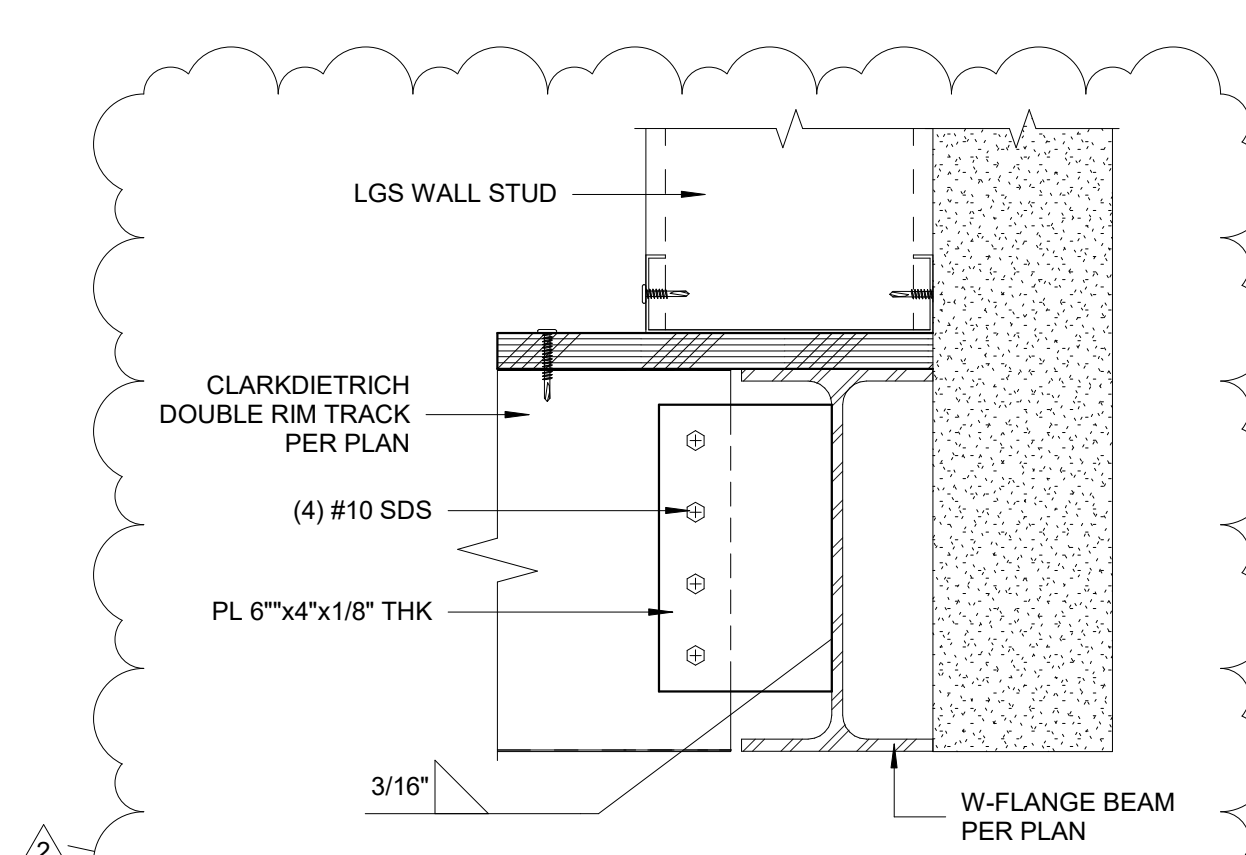
1 WALL CORNER CONNECTION DETAIL
3" = 1'-0"



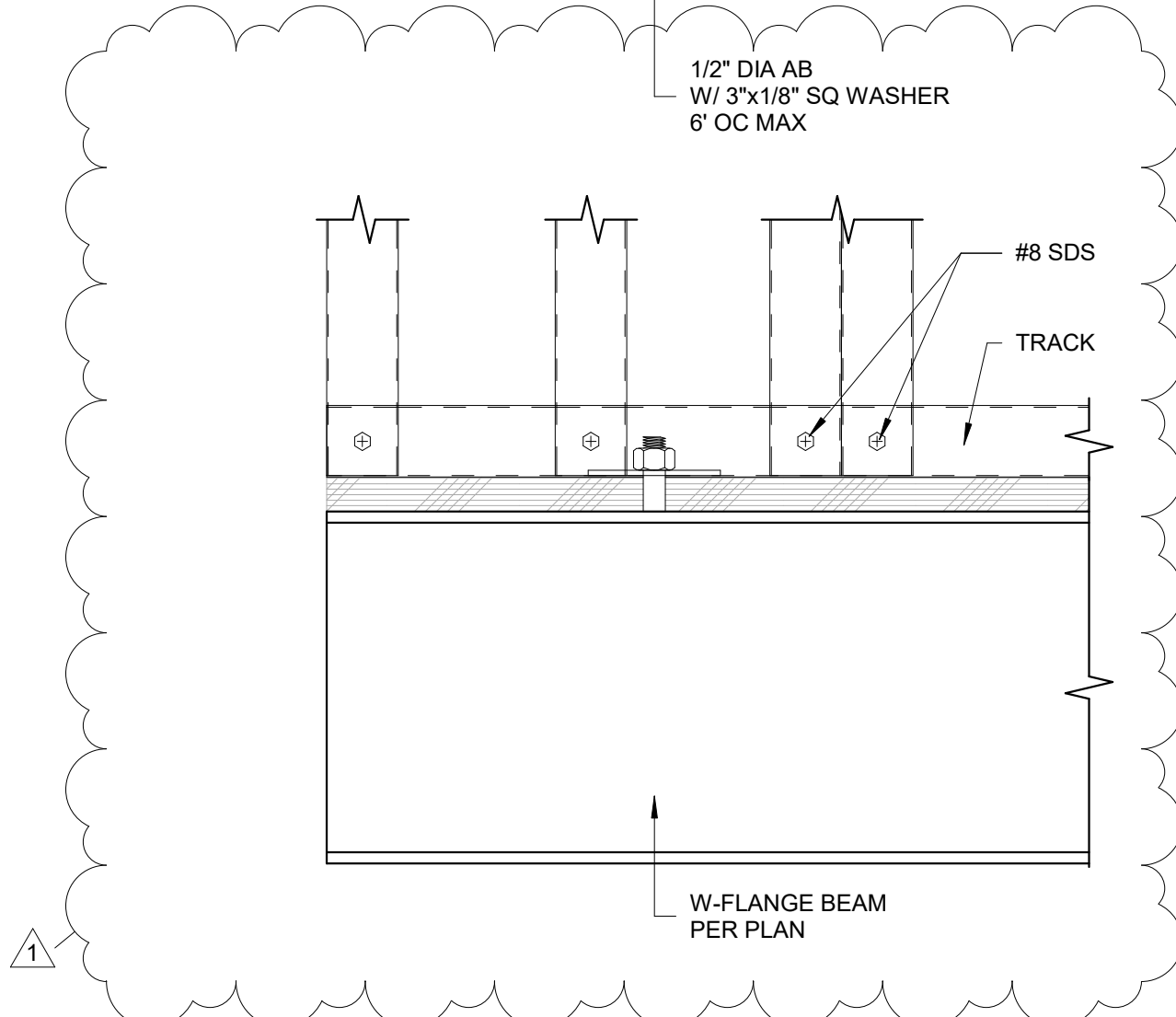
2 ARCH PANEL TO WALL TOP PLATE CONNECTION
3" = 1'-0"



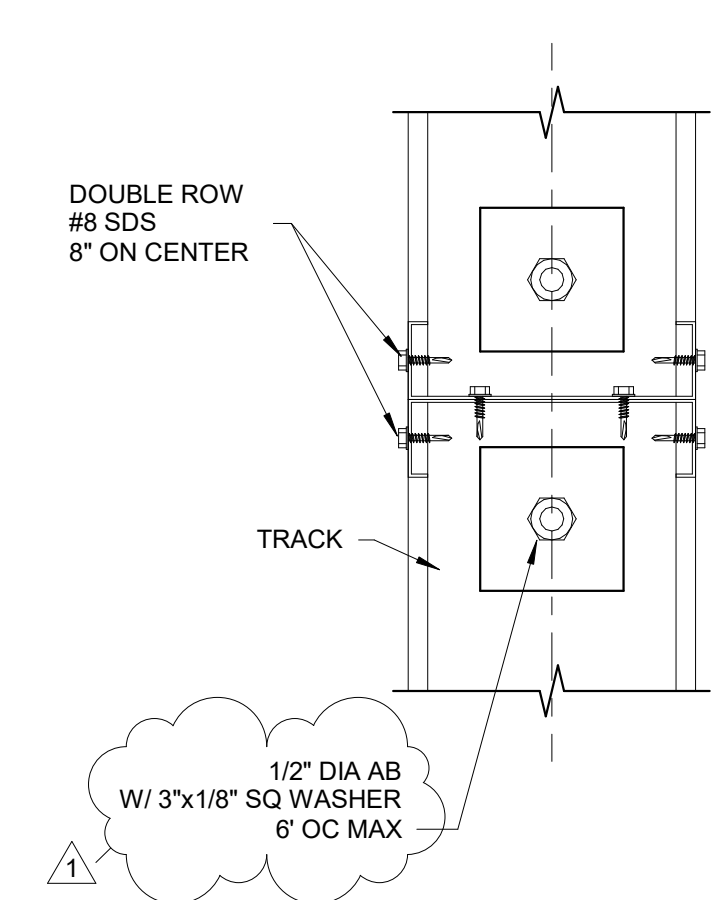
3 WALL TO CURVED ROOF CONNECTION
3" = 1'-0"



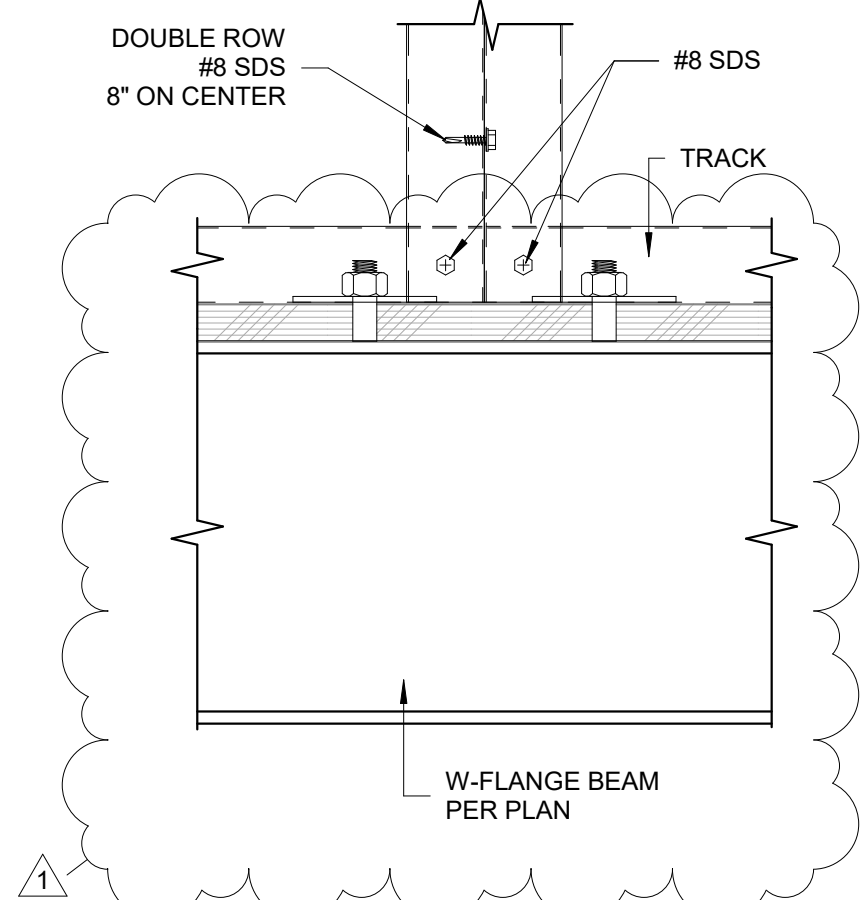
15 DOUBLE RIM TRACK TO FLOOR BEAM DETAIL
3" = 1'-0"



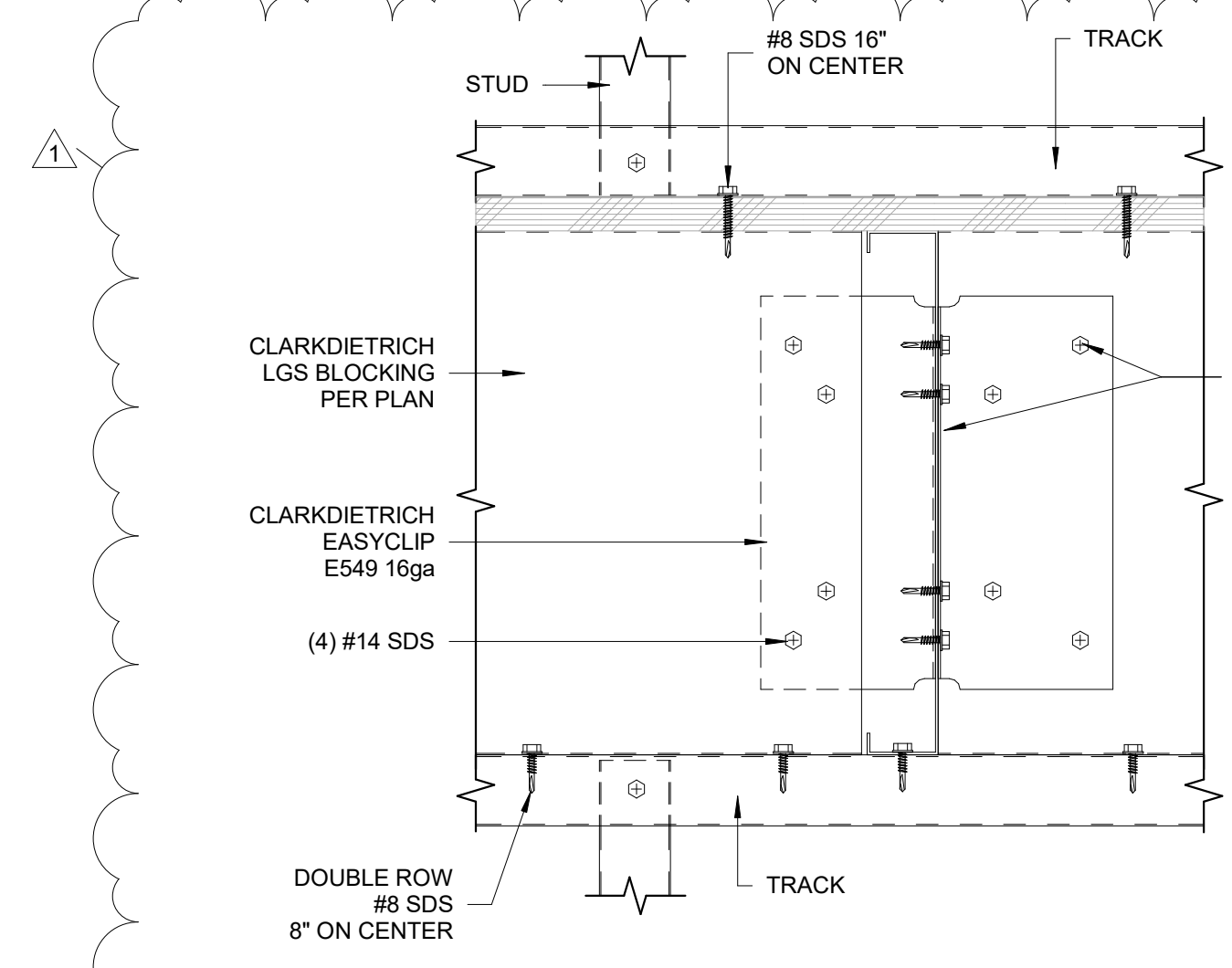
1 WALL CORNER CONNECTION DETAIL
3" = 1'-0"



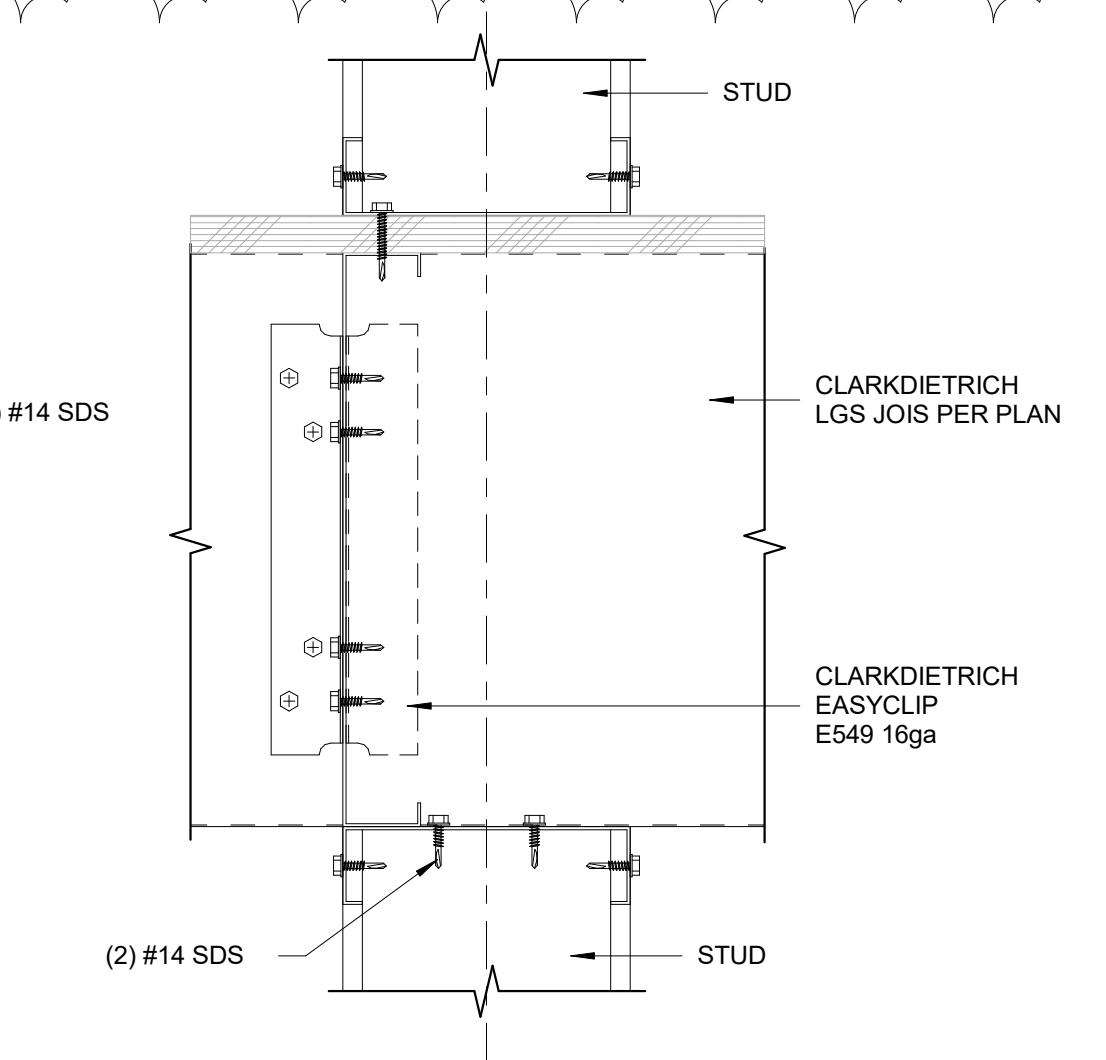
4 WALL TO WALL CONNECTION DETAIL
3" = 1'-0"



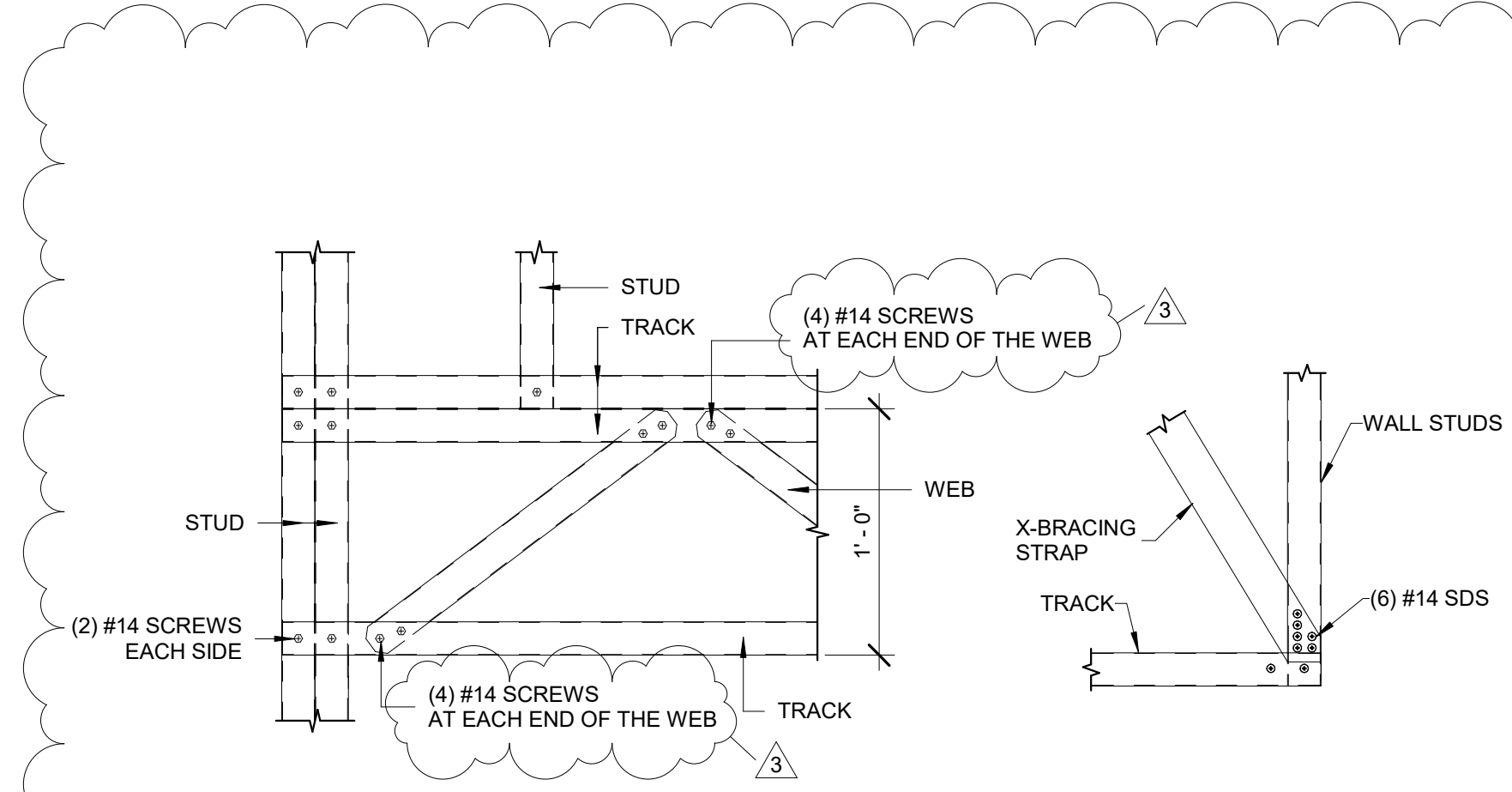
4 WALL TO WALL CONNECTION DETAIL
3" = 1'-0"



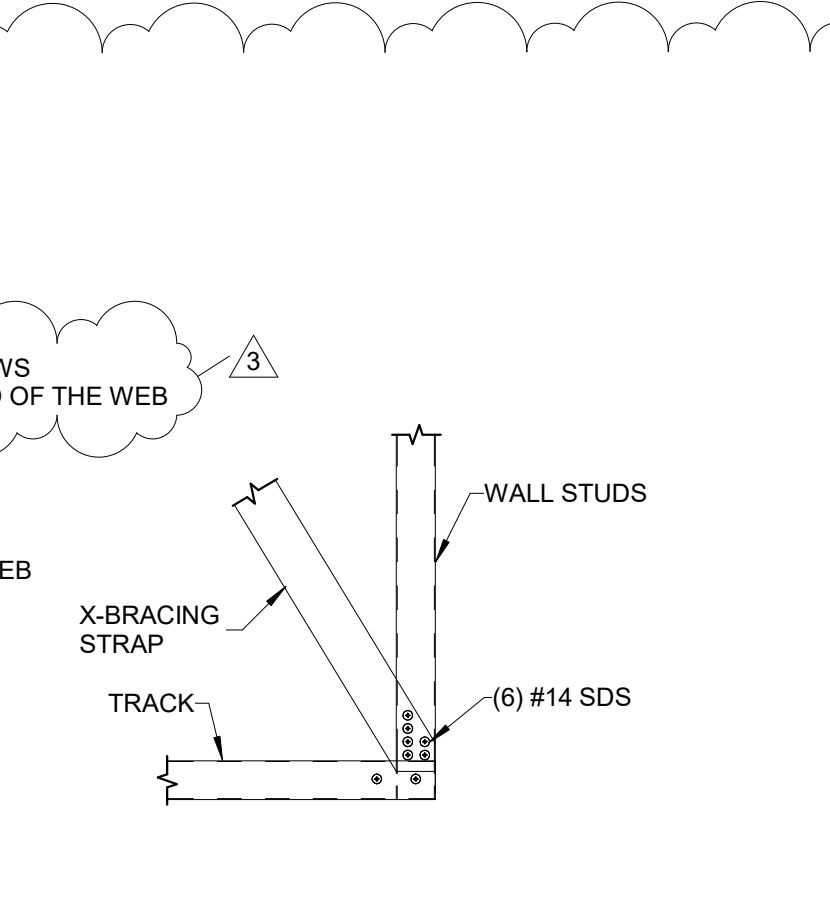
5 JOIST TO WALL CONNECTION DETAIL
3" = 1'-0"



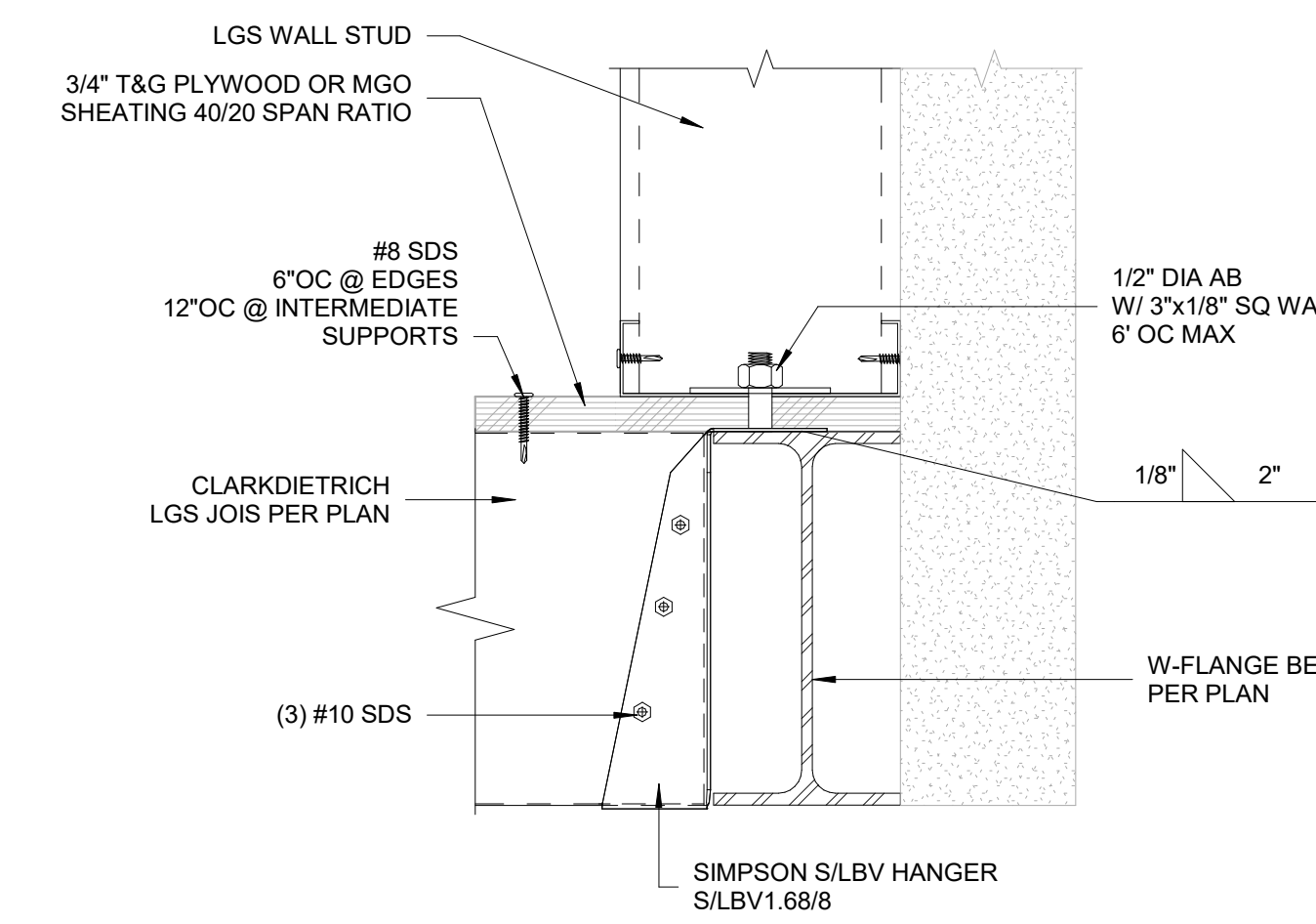
5 JOIST TO WALL CONNECTION DETAIL
3" = 1'-0"



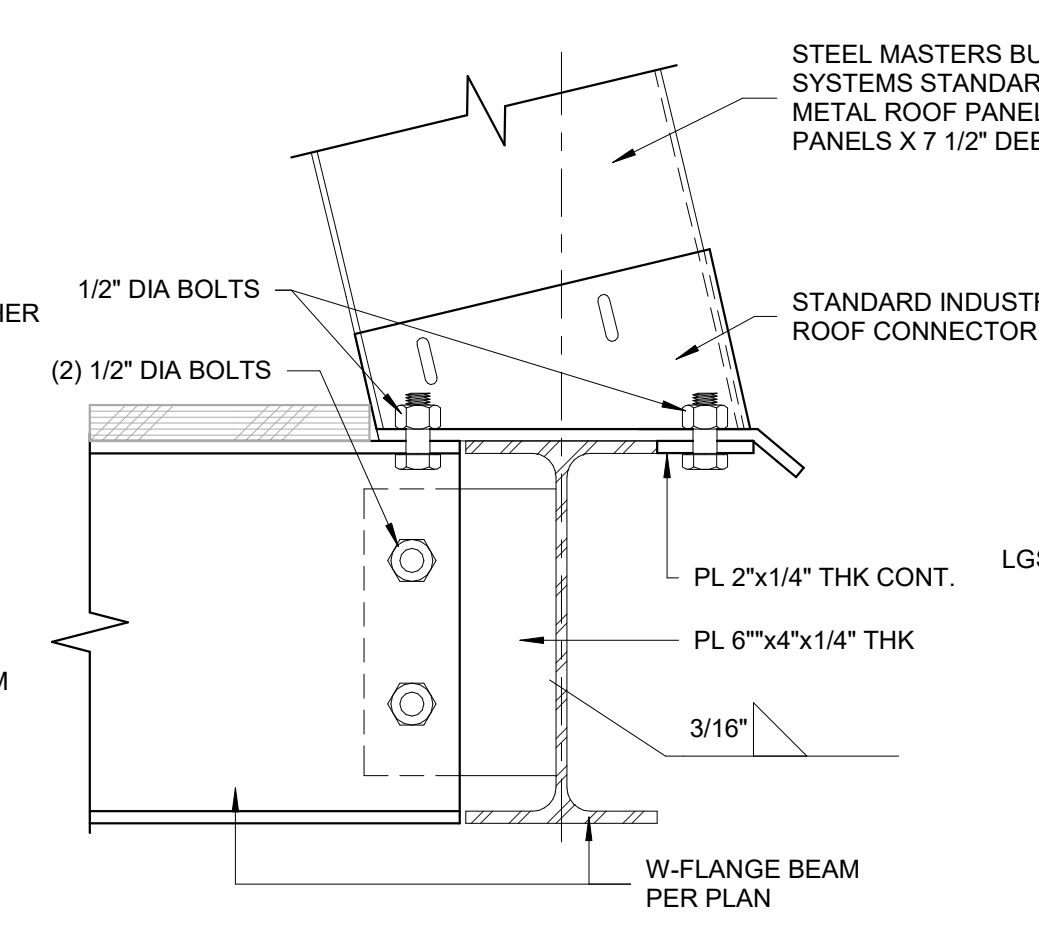
6 HEADER CONNECTION DETAIL
1 1/2" = 1'-0"



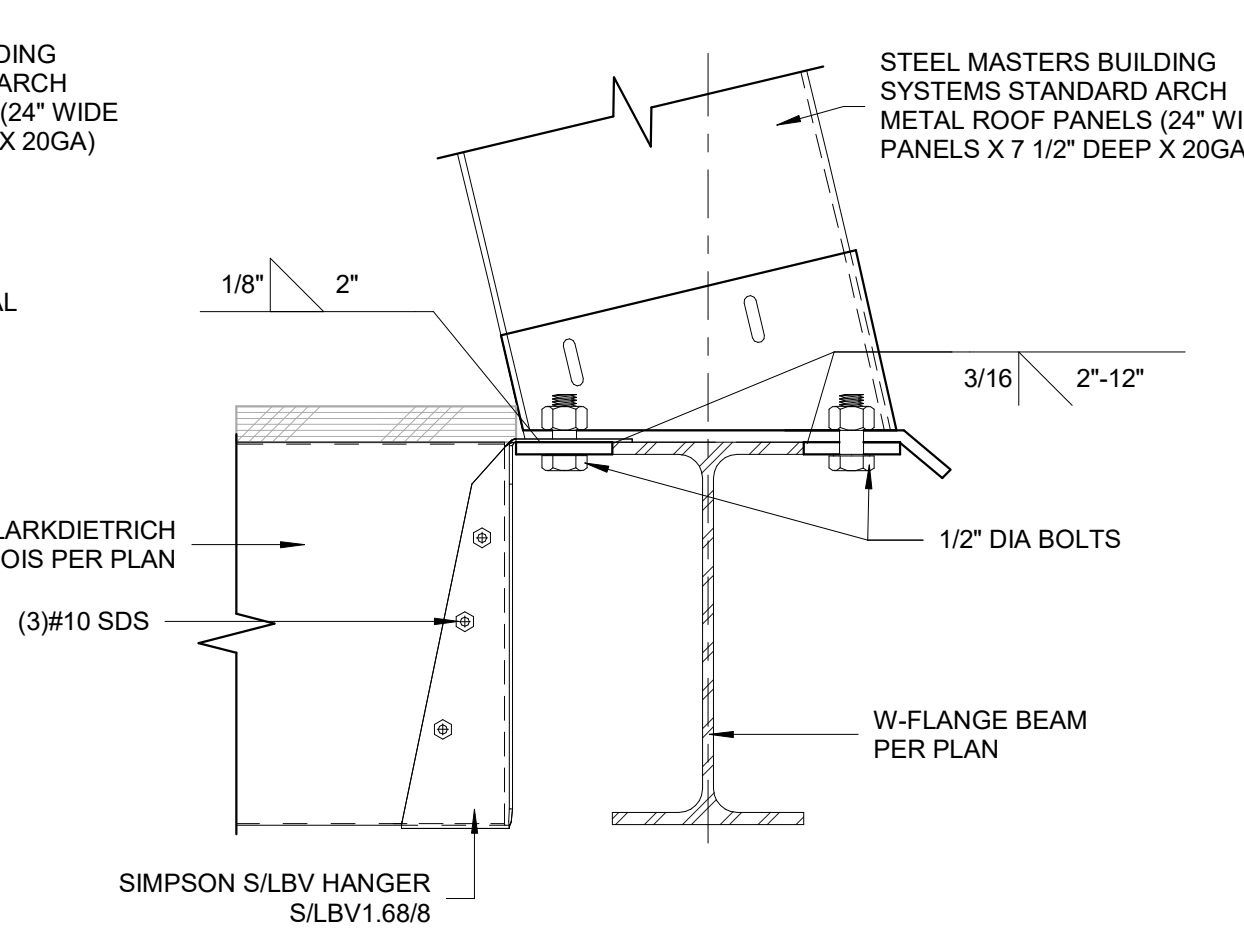
7 WALL X-BRACING CONNECTION DETAIL
1 1/2" = 1'-0"



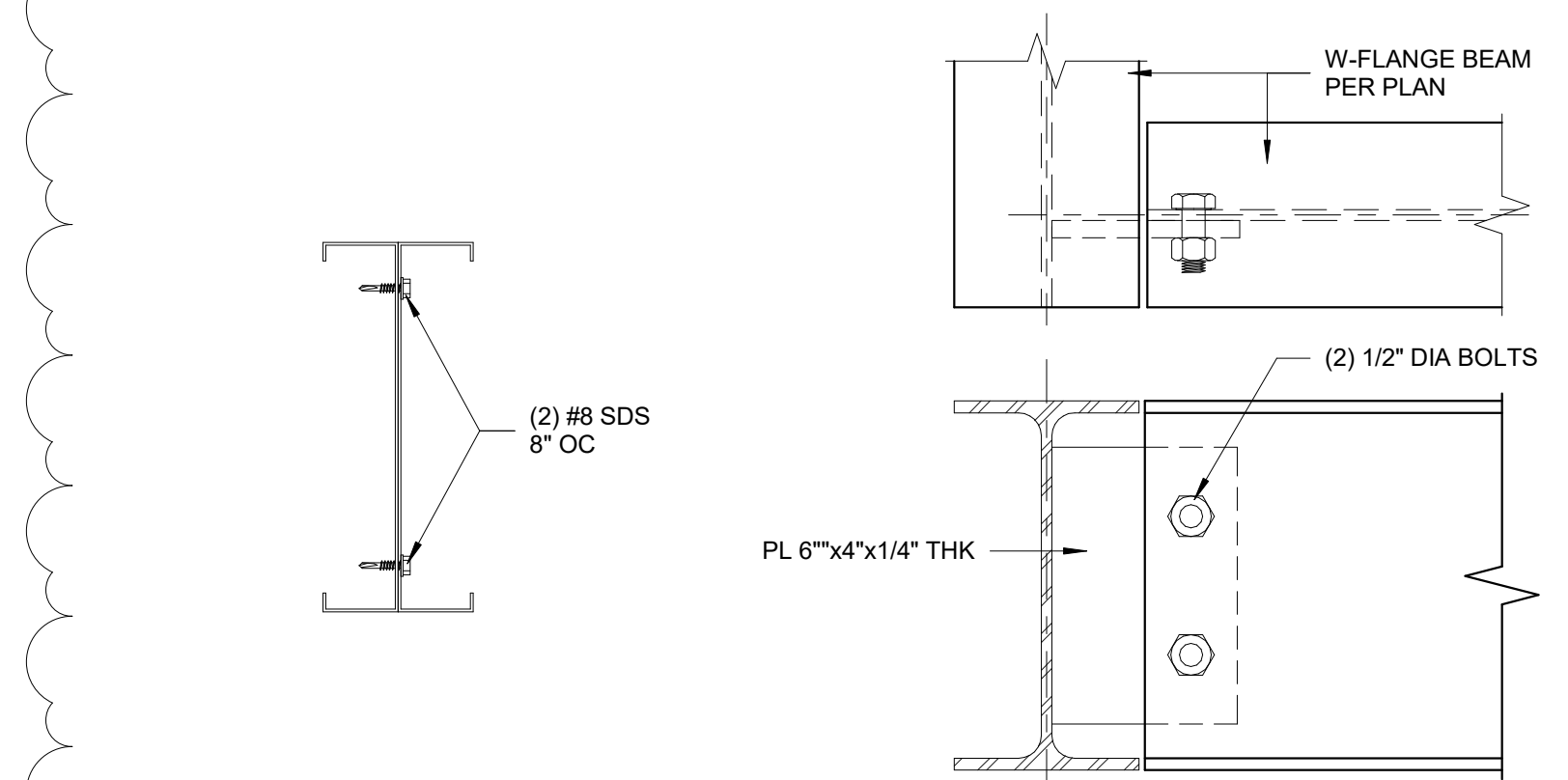
8 FLOOR JOIST TO FLOOR BEAM DETAIL
3" = 1'-0"



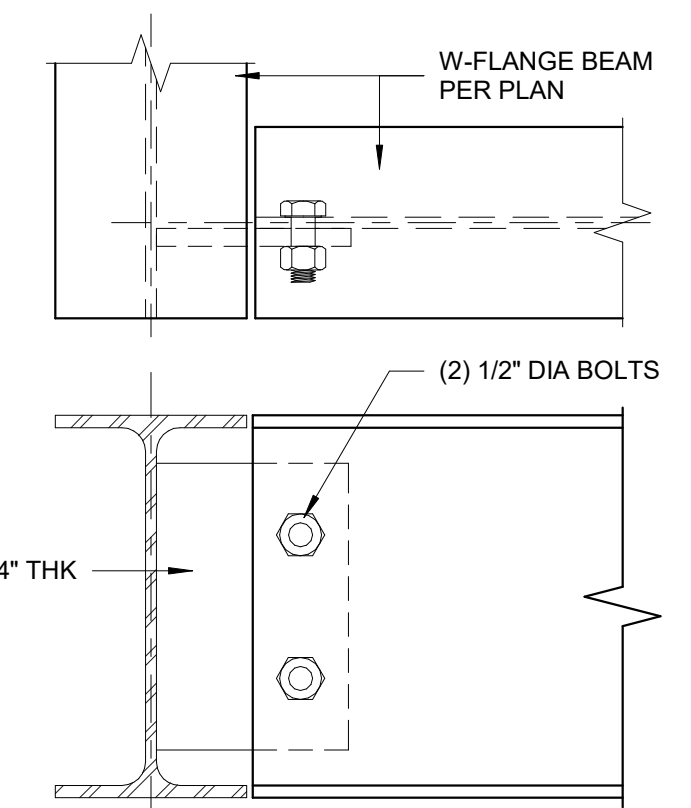
9 ARCH METAL DECK TO FLOOR BEAM CONNECTION
3" = 1'-0"



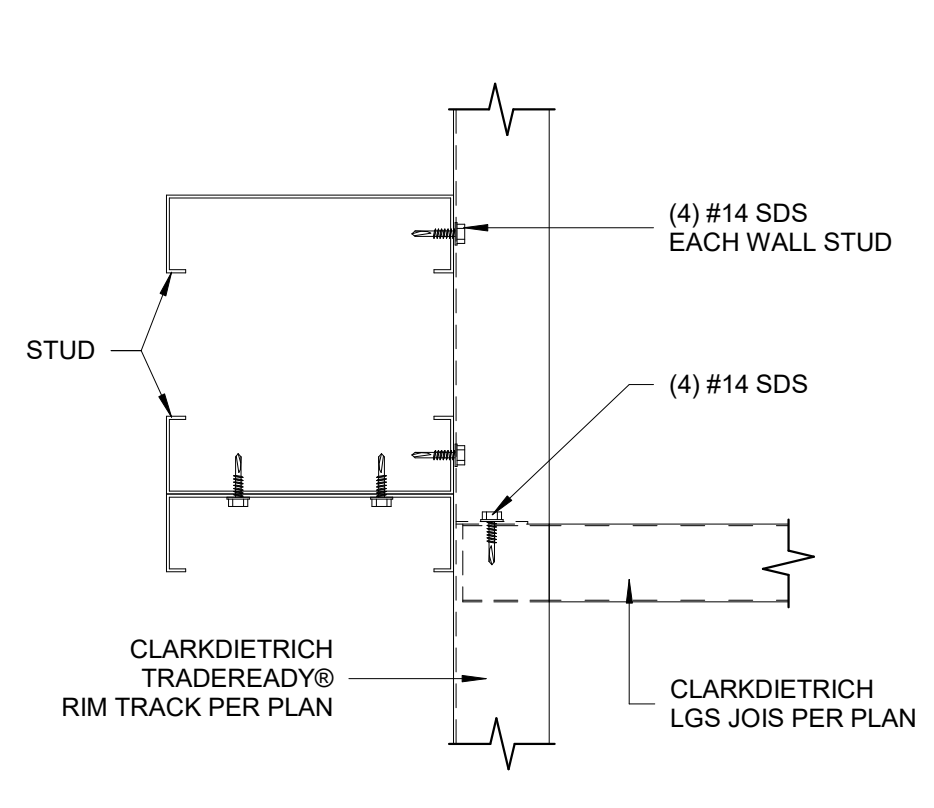
10 FLOOR JOIST TO FLOOR BEAM CONNECTION
3" = 1'-0"



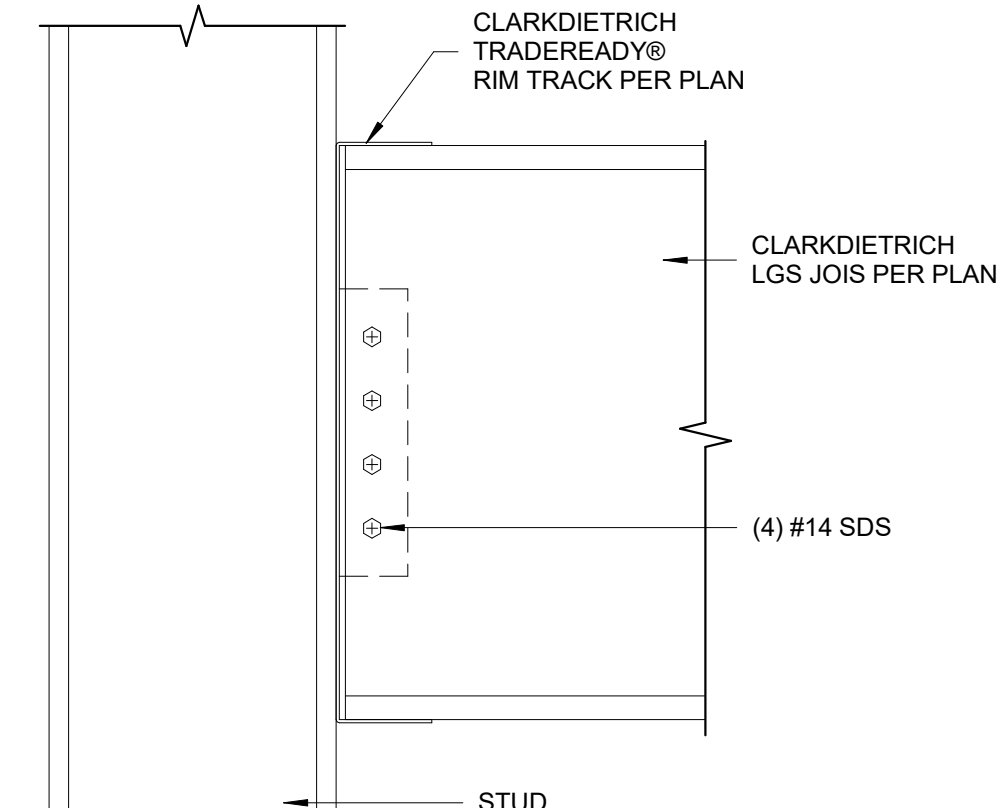
11 DOUBLE JOIST CONNECTION
3" = 1'-0"



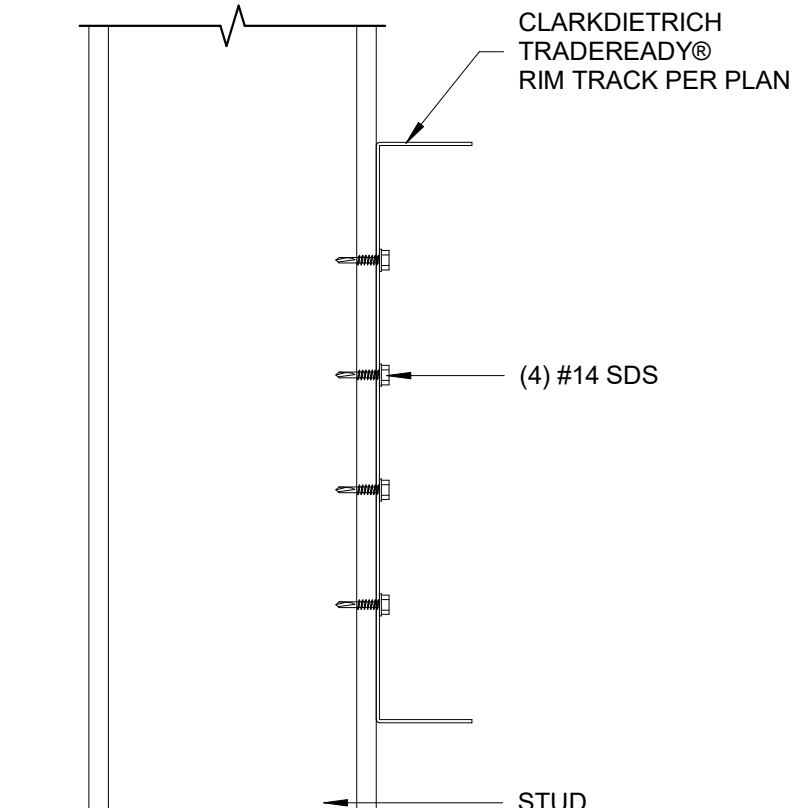
12 TYPICAL BEAM TO BEAM DETAIL
3" = 1'-0"



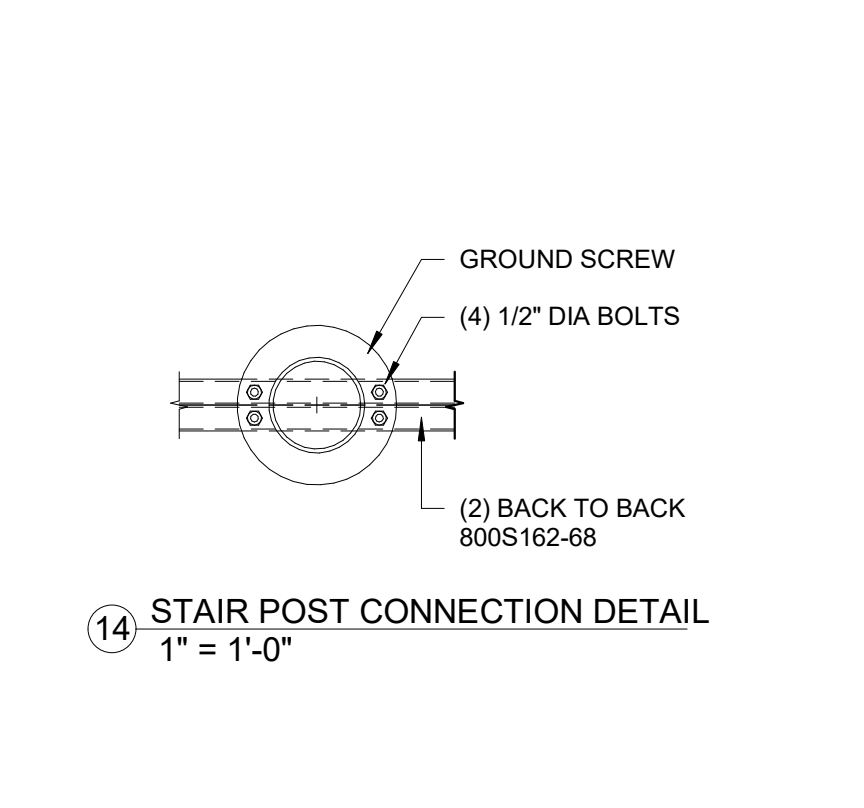
13 JOIST TO WALL CONNECTION DETAIL
3" = 1'-0"



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



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



14 STAIR POST CONNECTION DETAIL
1" = 1'-0"