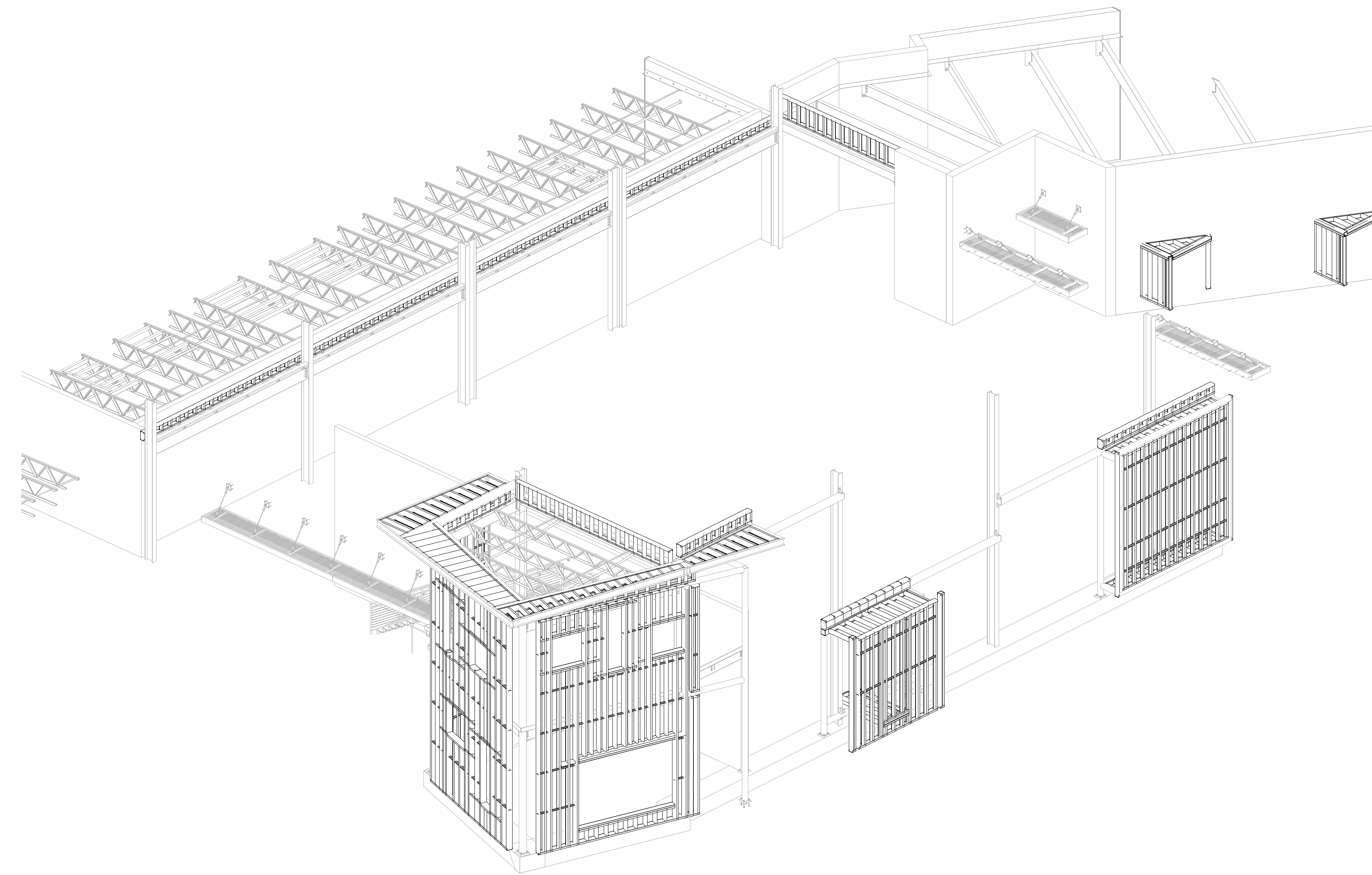


ISLAMIC CENTER

COLD FORMED STEEL FRAMING SHOP DRAWING SET

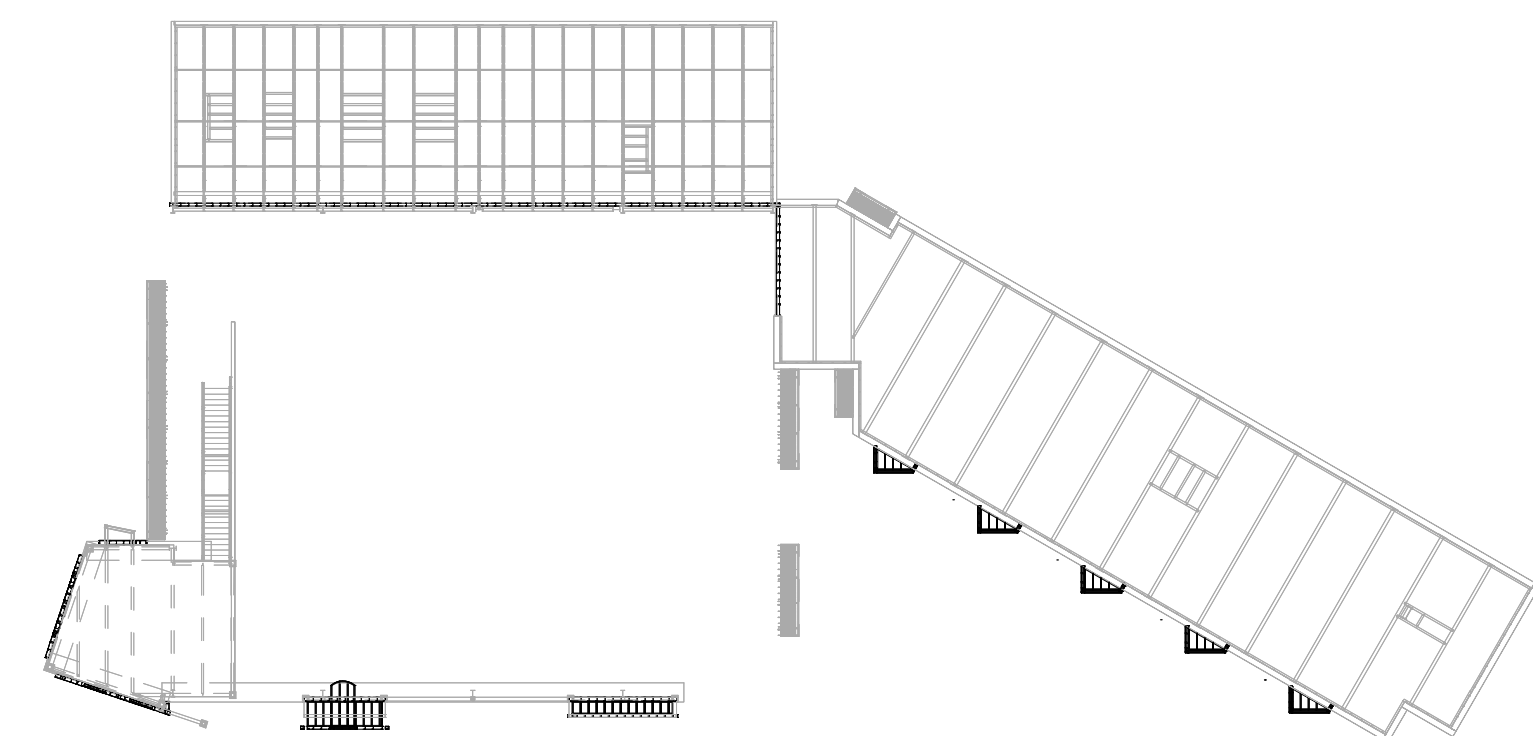
SUBMITTAL NOTES

1. THIS DRAWING PACKAGE IS BEING SUBMITTED FOR APPROVAL ONLY, ANY MATERIALS ORDERED OR CONSTRUCTED BASED ON THIS DRAWING PACKAGE BEFORE FINAL APPROVAL FROM THE ARCHITECT AND ENGINEER-OF-RECORD IS AT THE RISK OF THE CONTRACTOR. THE CONTRACTOR IS ADVISED TO OBTAIN A FINAL APPROVED DRAWING PACKAGE BEFORE ORDERING THE MATERIAL AND/OR CONSTRUCTION. SIMSONA CORP. IS NOT RESPONSIBLE FOR CONTRACTOR PROCEEDING WITHOUT A FINAL APPROVED DRAWING PACKAGE.
2. THIS DRAWING SUBMITTAL HAS BEEN PREPARED IN COORDINATION WITH CONTRACT DOCUMENTS MENTIONED IN THE REFERENCE TABLE.
3. SUBMITTAL PROCESS IS AS FOLLOWS: SIMSONA CORP. SHALL SUBMIT THIS DRAWING PACKAGE FOR APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR SUBMISSION TO THE RELEVANT PARTIES PER HIS CONTRACT REQUIREMENTS. UPON RETURNED SUBMITTAL FROM ALL RELEVANT PARTIES, CONTRACTOR SHALL FORWARD A COPY OF THIS DRAWINGS PACKAGE WITH COMMENTS AND APPROVALS TO SIMSONA CORP. FAILURE TO FOLLOW THIS PROCESS COMPLETELY AND PROMPTLY RELEASES SIMSONA CORP. FROM ANY CLAIMS AND DESIGN LIABILITY.
4. FOR ALL CONDITIONS LISTED HEREIN AND/OR REQUIRED FOR THIS PROJECT. IT IS THE GENERAL CONTRACTOR'S, ARCHITECT'S, AND THE EOR'S RESPONSIBILITY TO MARK THE DRAWINGS ACCORDING TO THE ACTUAL DESIGN REQUIREMENT, COORDINATION WITH OTHER WORK, AND DIFFERING FIELD CONDITIONS THAT EXIST AT THE TIME OF INITIAL CREATION OF THIS DRAWINGS PACKAGE.
5. THE CONTENTS OF THIS SHOP DRAWING SUBMITTAL SHOWED THE COLD FORMED STEEL FRAMING



SIMSONA SHEET LIST			
NUMBER	NAME	ISSUE DATE	REV
SD-000	COVER PAGE	06-23-2023	F
SD-001	OVERALL GRID LAYOUT AND NOTES	06-23-2023	F
SD-002	OVERALL LAYOUT	06-23-2023	F
SD-100	WALL-A1-A,B ELEVATION & PLAN VIEWS	06-23-2023	F
SD-101	WALL A2-A,B PLANS & ELEVATIONS	06-23-2023	F
SD-102	WALL A1, A2 AXONOMETRIC VIEW	06-23-2023	F
SD-200	WALL-B,C,D,E PLAN VIEW & PANEL ELEVATIONS VIEW	06-23-2023	F
SD-201	WALL- C, D, E1 PANEL DETAILS	06-23-2023	F
SD-203	TOWER ROOF FRAMING	06-23-2023	F
SD-300	WALL G & F PLAN, ELEVATION & PANEL VIEWS	06-23-2023	F
SD-400	WALL-H ELEVATION & PLAN VIEW	06-23-2023	F
SD-500	WALL TYPE SECTION	06-23-2023	F
SD-600	TYPICAL DETAILS	06-23-2023	F
SD-601	TYPICAL DETAILS	06-23-2023	F
TOTAL: 14			

F	FOR APPROVAL_06-23-2023
E	FOR APPROVAL_02-11-2023
D	FOR APPROVAL_02-02-2023
C	FOR APPROVAL_11-26-2022
B	FOR APPROVAL_11-19-2022
A	FOR APPROVAL_11-09-2022



KEY PLAN

THE SCOPE OF THIS WORK IS TO

- TO PREPARE COLD FORMED STEEL FRAMING SHOP DRAWING BY TAKING REFERENCE TO THE CONTRACT DOCUMENTS MENTIONED IN THE REFERENCE TABLE.
- TO PREPARE A DESIGN AND ANALYSIS REPORT OF ALL THE FRAMED MEMBERS SUBJECTED TO VARIOUS CODES.

SCOPE OF WORK

REFERENCE TABLE

DOCUMENTS	DATE	TIME	APPROVAL STATUS
ARCHITECTURAL SET.PDF	10-07-2022	10:00 AM	
SIMSONA STEEL IFC	10-07-2022	10:00 AM	

CFS SHOP DRAWING_FOR APPROVAL#F_06-23-2023

BIM ARCHITECTS AND ENGINEERS

SIMSONA CORP.
1451 Rockville Pike, Suite #250,
Rockville, MD 20850
Phone : 301-408-8553
Email: raj@simsona.com
www.simsonabim.com

PROJECT NAME

ISAMIC CENTER

REVISION SCHEDULE

NUMBER	DESCRIPTION	DATE
A	FOR APPROVAL	11-09-2022
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E	FOR APPROVAL	02-11-2023
F	FOR APPROVAL	06-23-2023

COVER PAGE

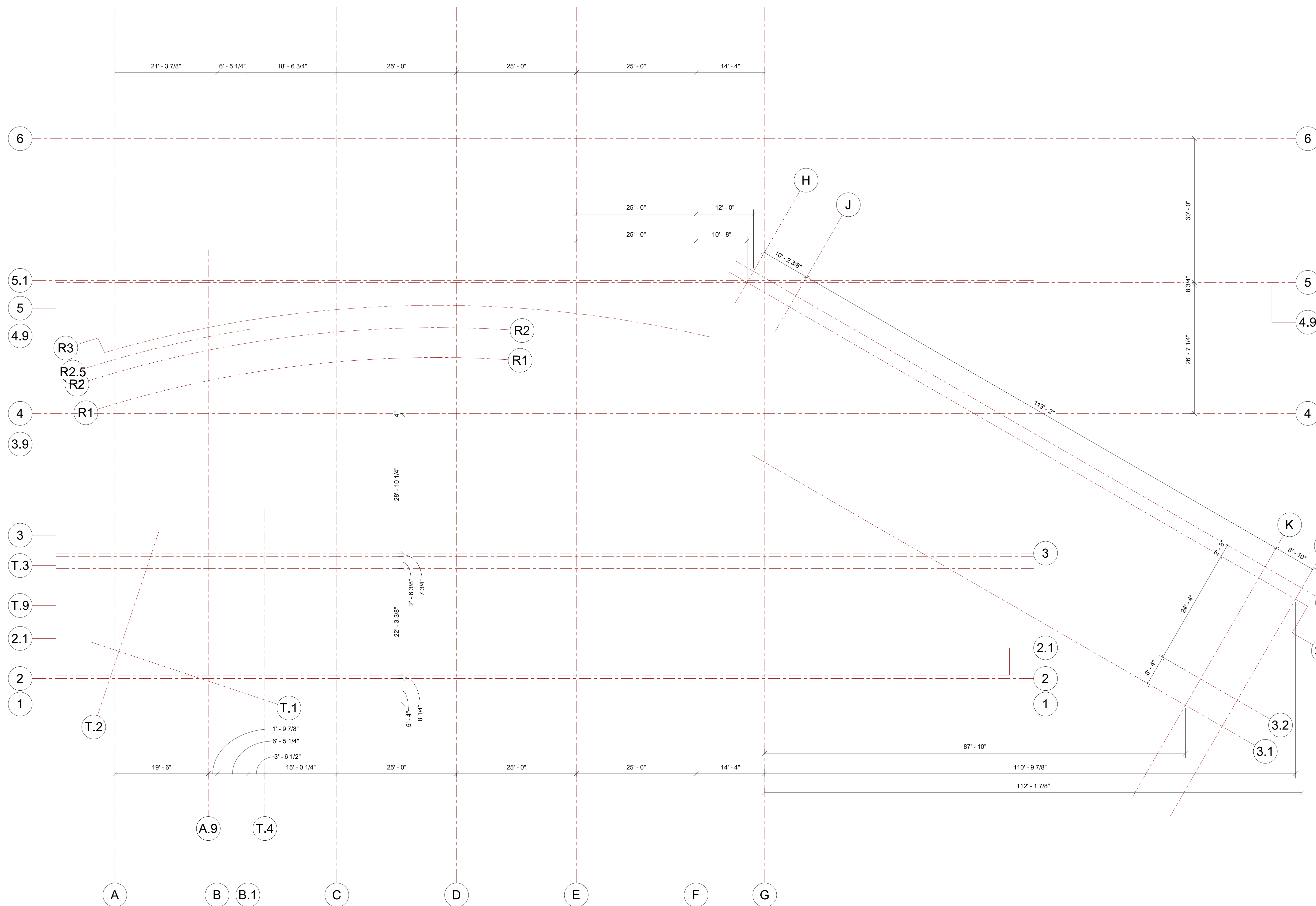
PROJECT NUMBER SIM-61

DATE 06-23-2023

Drawn by N/S/SS/T

Checked by AP

SD-000



① OVERALL GRID LAYOUT
1" = 10'-0"

GENERAL NOTES:	
1.	REFER TO ARCHITECTURAL DRAWINGS FOR ALL SECTION ELEVATIONS AND DIMENSIONS, ETC.
2.	COMPLY WITH THE FOLLOWING STANDARDS:
(I)	LABC 2017. AISI SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBER.
(II)	ASTM (A) C645 - STANDARD SPECIFICATION FOR NON-LOAD (AXIAL) BEARING STEEL STUDS. (B) WELDING: AWS D1.1 AND D1.3. PROVIDE WELDING PROCEDURE SPECIFICATIONS FOR REVIEW. USE LOW HYDROGEN ELECTRODES.
3.	METAL STUDS ARE TO COMPLY WITH LARR #25821 AND MANUFACTURED BY ONE OF THE MEMBERS OF THE METAL STUD MANUFACTURER'S ASSOCIATION. (MSMA).
4.	METAL STUDS ARE TO BE : (I) 18 & 20 GAUGE: ASTM 570, GRADE A GALVANIZED STEEL SHEET, 33 KSI YIELD STRENGTH (II) 16 GAUGE: ASTM A446, GRADE D, GALVANIZED STEEL SHEET, 50 KSI YIELD STRENGTH (III) 20 GA. GALVANIZED 18 & 20 GA. PAINTED PER SPECS.
5.	SECTIONS, HEAVIER THAN SIZE SPECIFIED, MAY BE USED.
6.	TRACK GALVANIZED STEEL SHEET CHANNEL 1 1/2" MINIMUM, 20 GAUGE MINIMUM.
7.	WELDING ELECTRODE: AWS LOW HYDROGEN. SUBMIT WELDING PROCEDURE SPECIFICATION.
8.	LOW VELOCITY FASTENERS (POWDER DRIVEN) INTO CONCRETE SHALL BE HILTI X-U LOW VELOCITY DRIVE FASTENERS, 0.157" DIAMETER (U.N.O.) AND SHALL COMPLY WITH ICC RESEARCH REPORT NO. 2269 & COLA #25675
9.	EXPANSION BOLTS SHALL BE HILTI KWIK BOLT TZ AND SHALL COMPLY WITH ICC ESR-1917.
10.	ALL SCREWS SHALL BE NO. 10 MINIMUM YIELD STRESS OF 33 K.S.I. SCREW SPACING SHALL NOT BE LESS THAN 1.5 X SHANK DIAMETER.
11.	BRIDGING SHALL BE 1 1/2" X 16 GA COLD ROLLED CHANNELS (C.R.C.) WITH MINIMUM YIELD STRESS OF 33 K.S.I. WELD TO STUDS WHERE STUDS HAVE NO SHEATHING ON ONE SIDE. WHERE SHEATHING OCCURS ON BOTH SIDES, USE A SINGLE #16 GAUGE WIRE OR A DOUBLE NO. 18 GAUGE WIRE. USE A FIGURE EIGHT TIE. PROVIDE FULL WIDTH BRIDGING WHERE SHOWN
12.	SURFACE CONDITIONS: EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PERFORMED. CONTRACTOR TO CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.
13.	INSTALLATION: A. RUNNERS SHALL BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE AS SHOWN ON THE DRAWINGS. B. ABUTTING LENGTHS OF RUNNER SHALL EACH BE SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT, BUTT-WELDED, OR SPLICED. C. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO FLANGES OF BOTH UPPER AND LOWER RUNNERS, EXCEPT THAT IN THE CASE OF INTERIOR, NON-LOAD BEARING WALLS. D. HANDLING AND LIFTING OF PREFABRICATED PANELS SHALL BE DONE IN A MANNER SO AS NOT TO CAUSE DISTORTION IN ANY MANNER.
14.	METAL STUDS - METAL STUDS SIZES AND SHAPES REFERENCED HEREIN ARE PRODUCED BY MEMBERS OF THE METAL STUD MANUFACTURER'S ASSOCIATION (MSMA) OR SSMA. REFER TO THE MSMA CATALOG AND ICC ER NO.4943. STUDS MAY BE PRODUCED BY OTHER MANUFACTURERS PROVIDED THEY COMPLY WITH MSMA STUD SECTION PROPERTIES, DIMENSIONS, PROFILES, MATERIALS, AND HAVE A CURRENT ICBO EVALUATION REPORT.

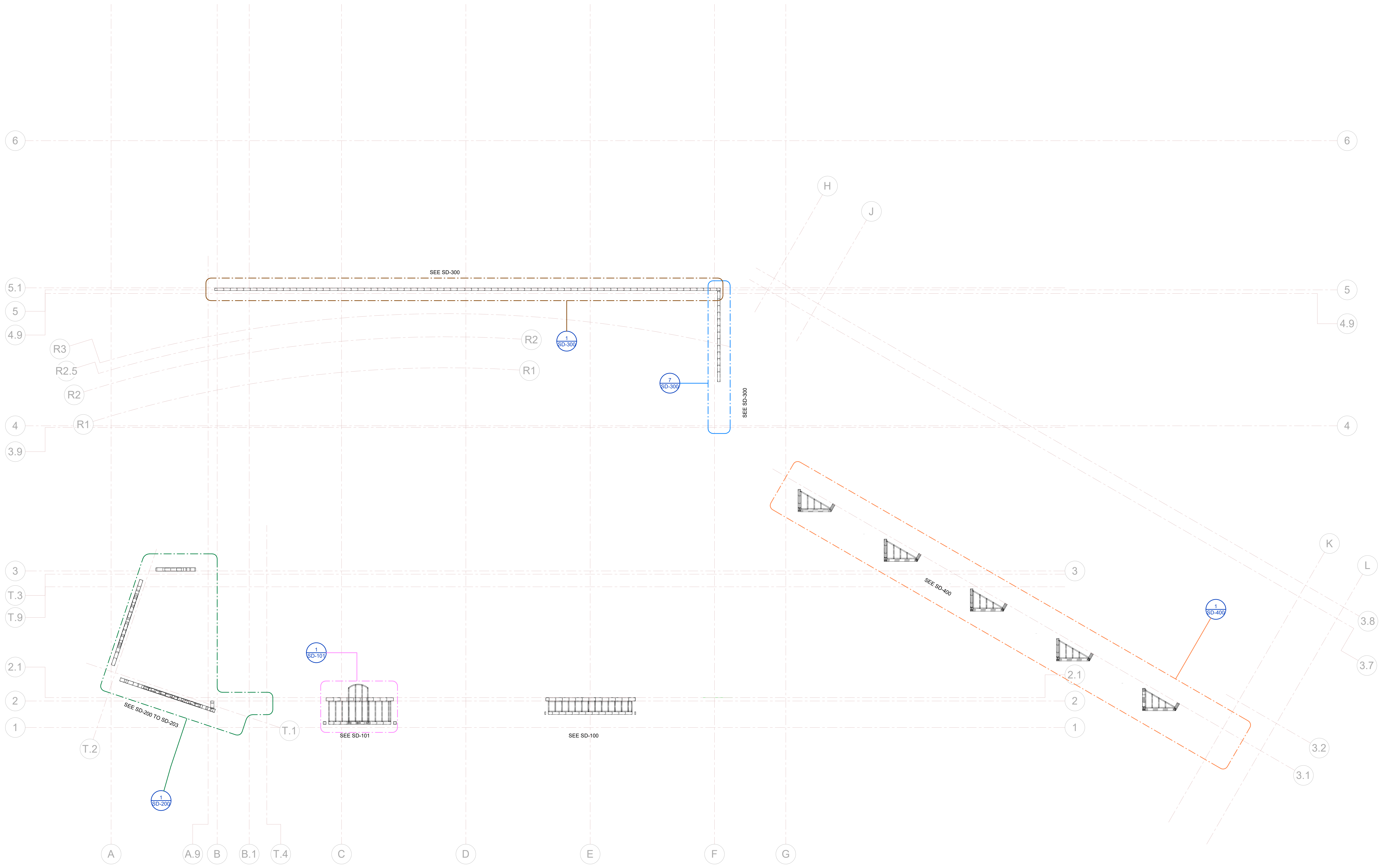
BIM ARCHITECTS AND ENGINEERS

SIMSONA CORP.
1451 Rockville Pike, Suite #250,
Rockville, MD 20850
Phone : 301-408-8553
Email: raj@simsona.com
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REVISION SCHEDULE		
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E	FOR APPROVAL	02-11-2023
F	FOR APPROVAL	06-23-2023

OVERALL GRID LAYOUT AND NOTES		
PROJECT NUMBER	SIM-61	SD-001
DATE	06-23-2023	
Drawn by	N/S/SS/T	
Checked by	AP	SCALE-As indicated

PLOT CREATED: 06-23-2023

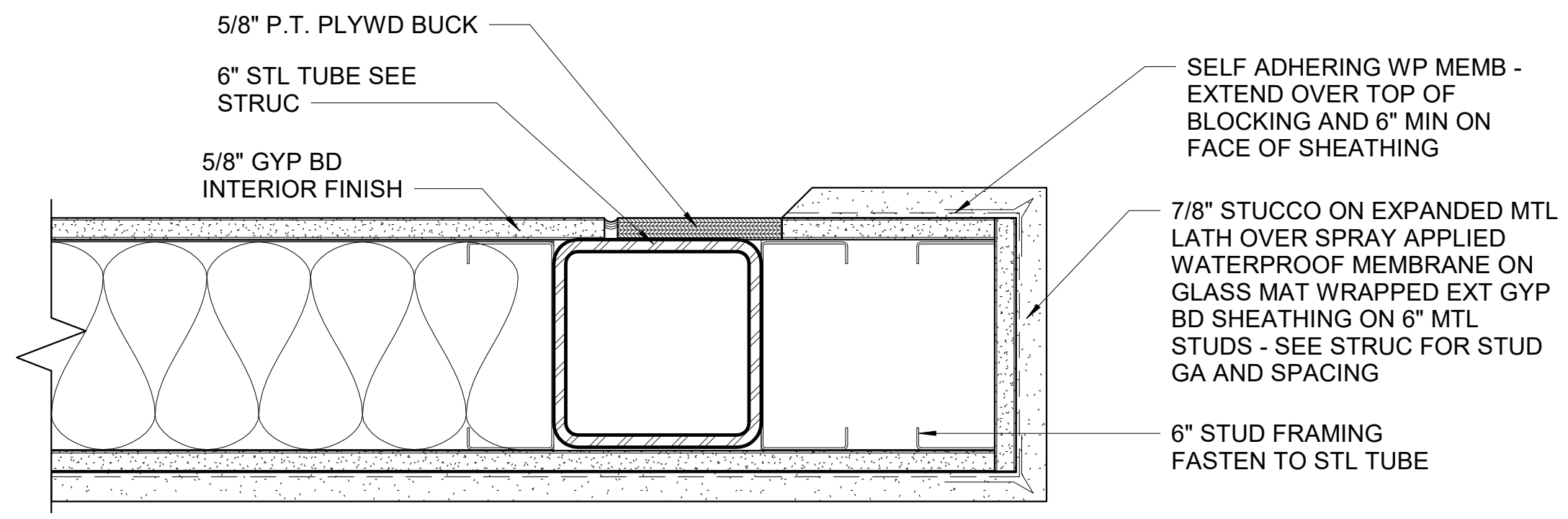


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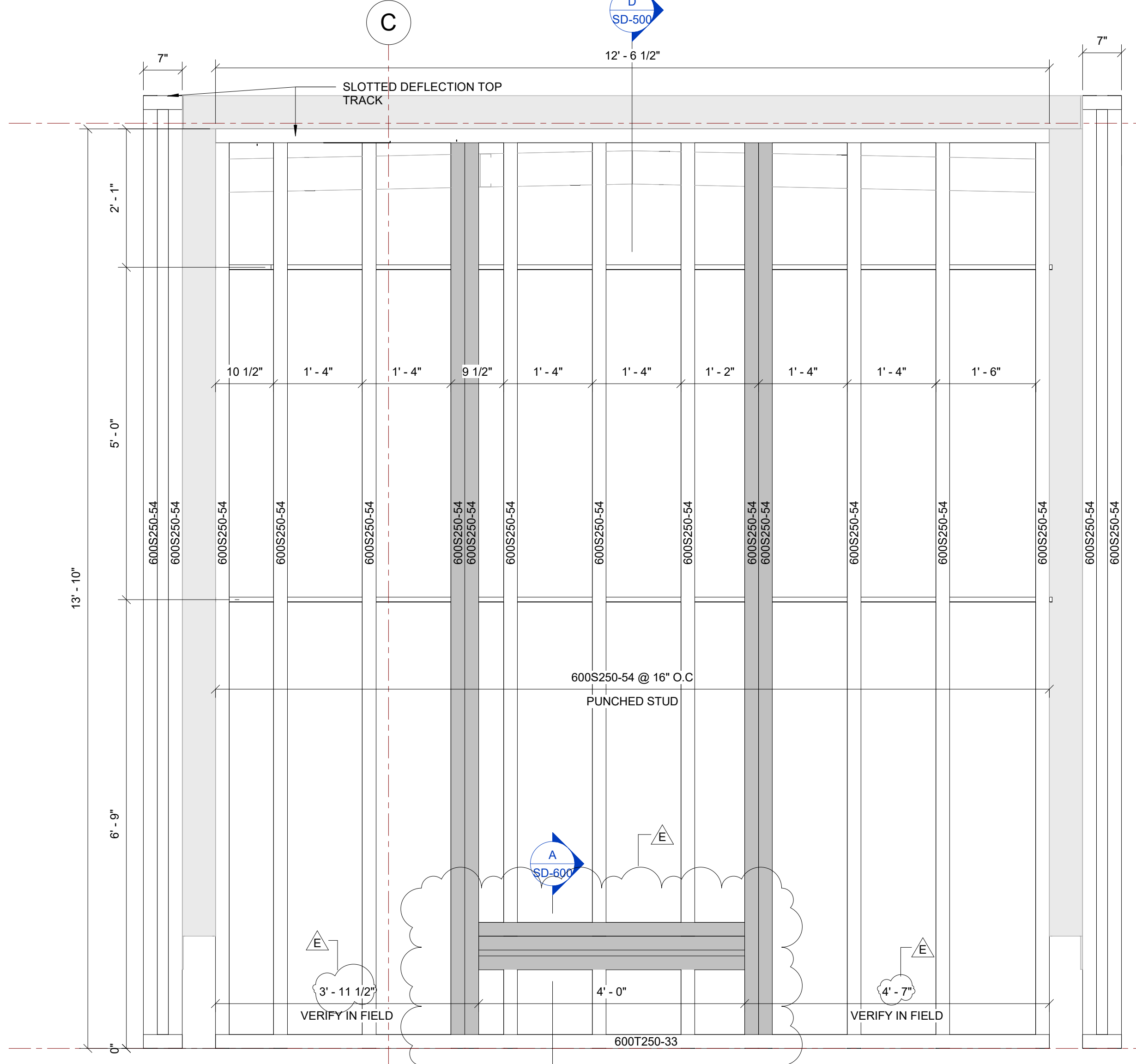
REVISION SCHEDULE		
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OVERALL LAYOUT

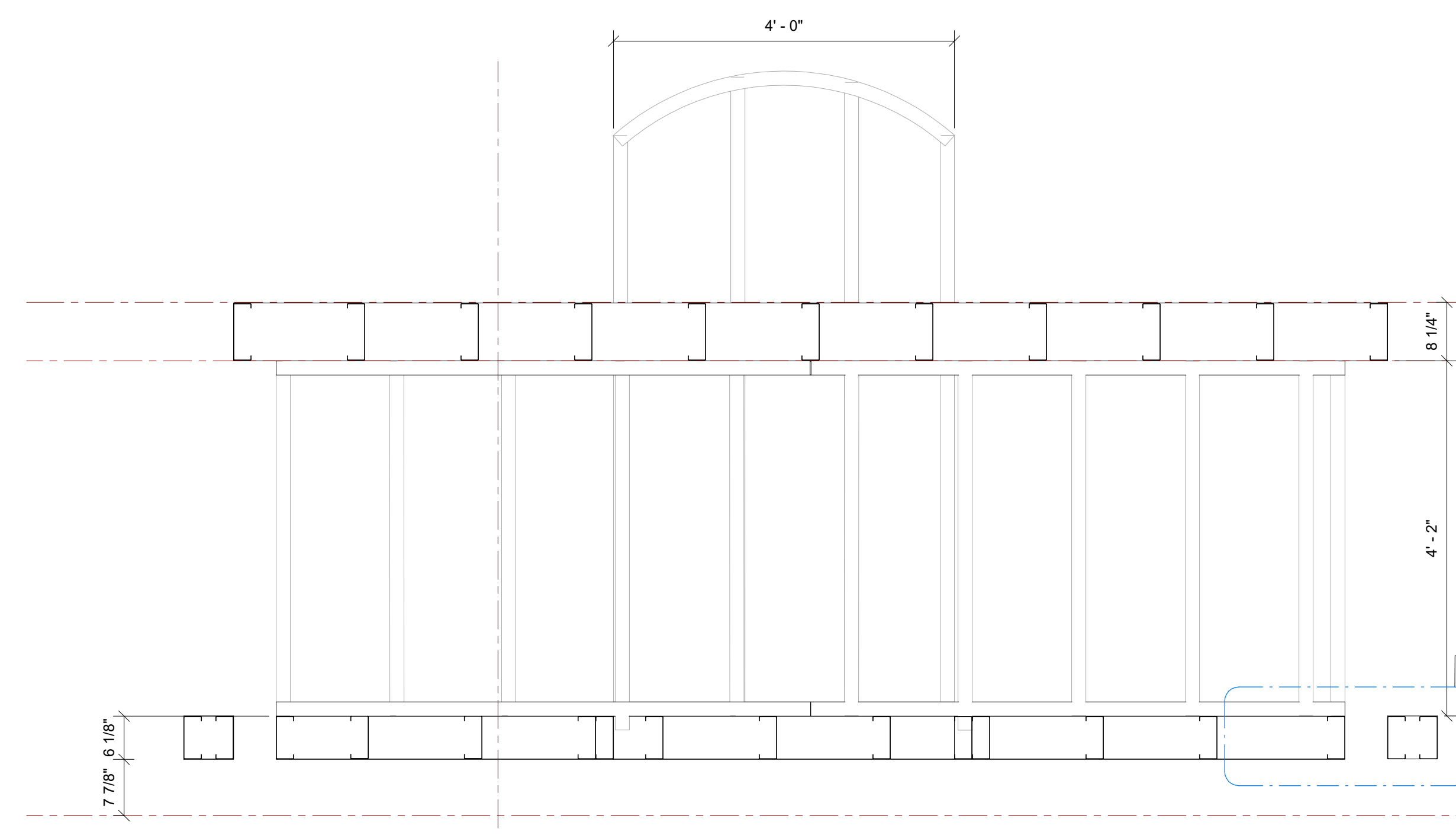
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DATE	06-23-2023	
Drawn by	N/S/SS/T	SCALE- 1/8" = 1'-0"
Checked by	AP	



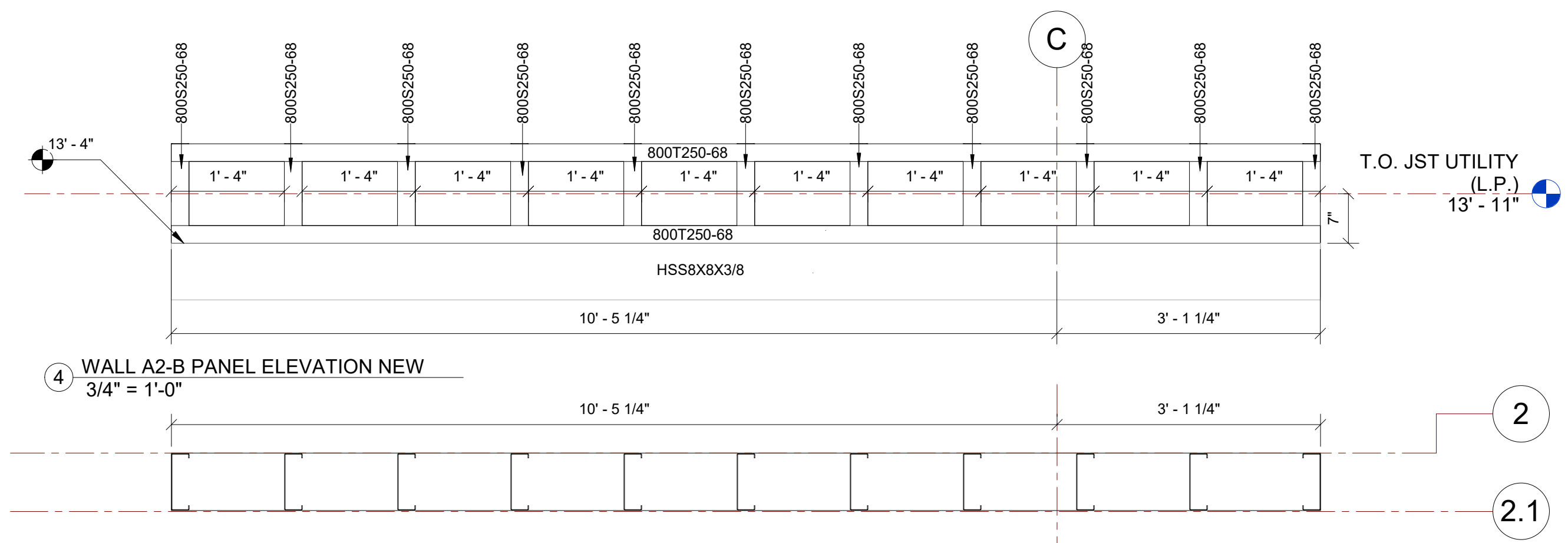
5 STOREFRONT JAMB AT MINBAR WDW
3/4" = 1'-0"



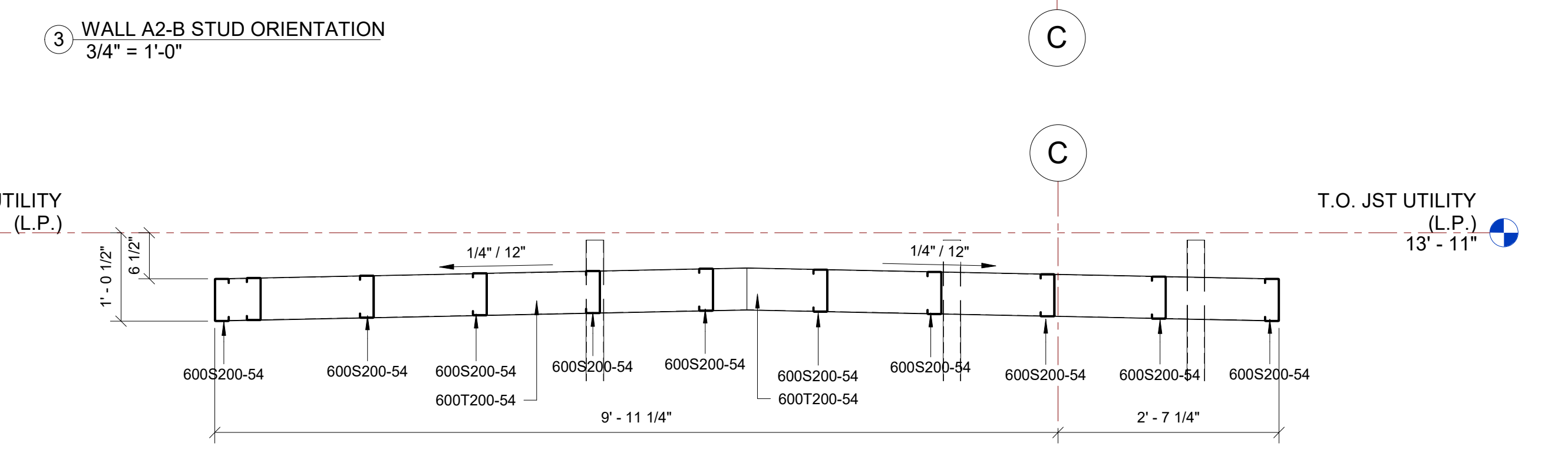
2 WALL A2-A PANEL ELEVATION
3/4" = 1'-0"



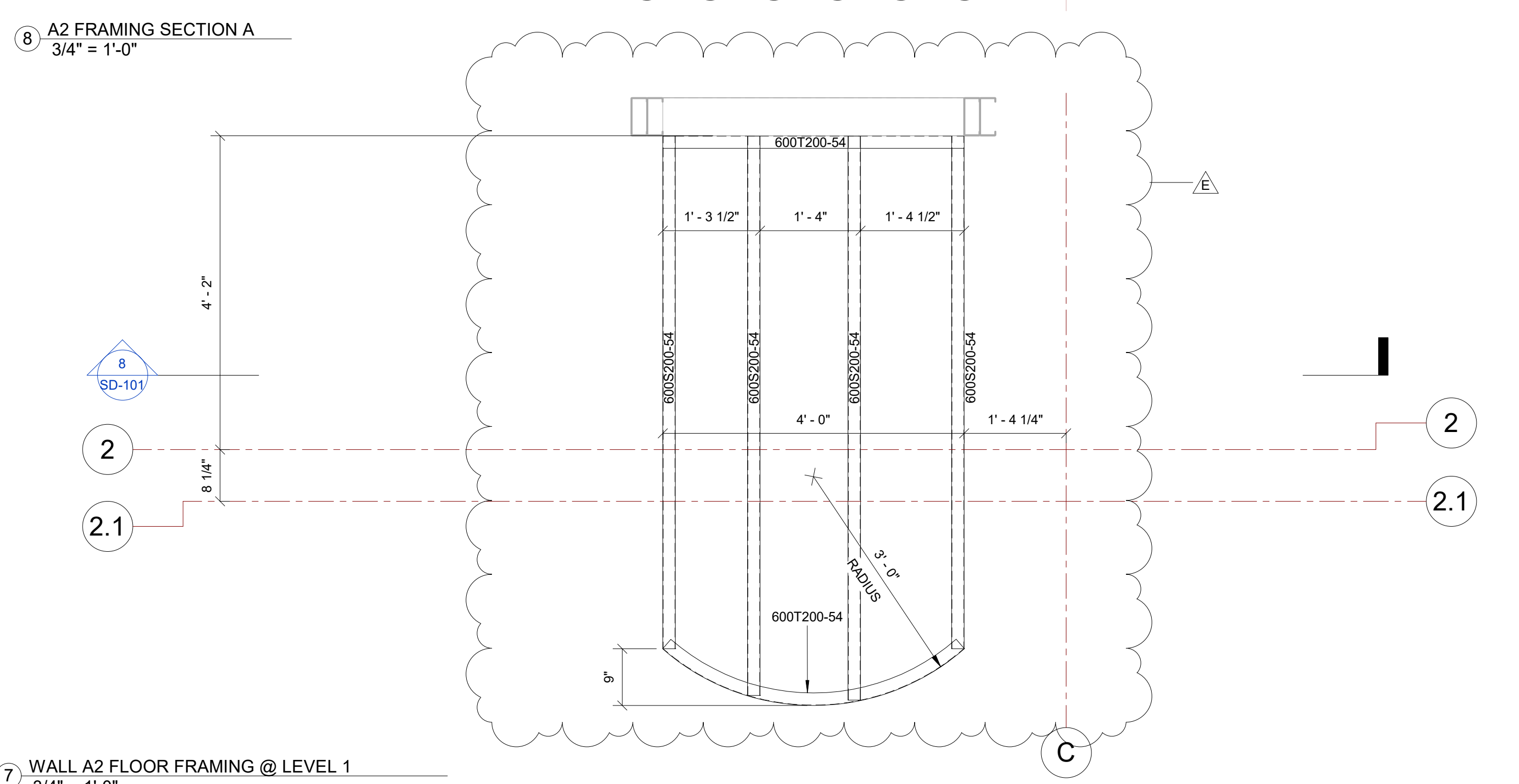
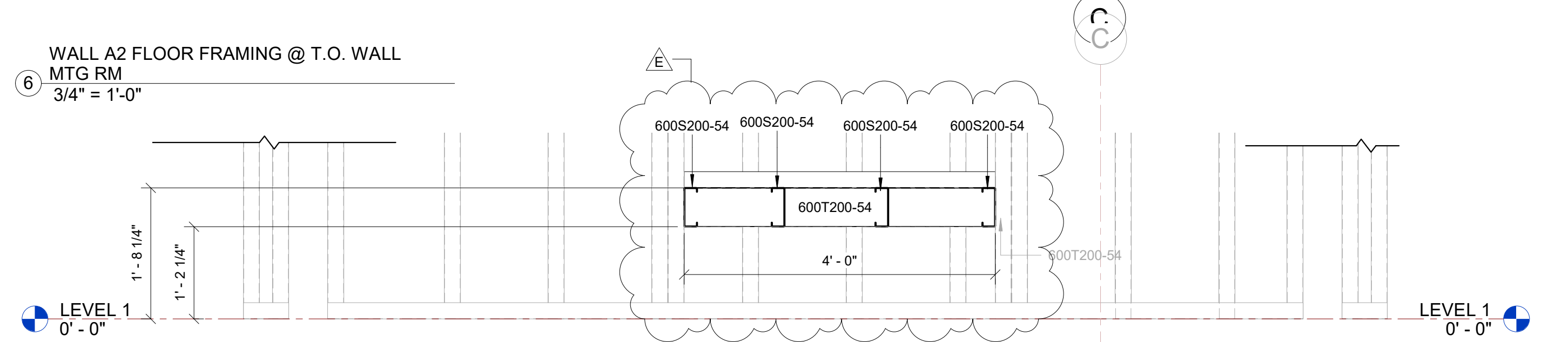
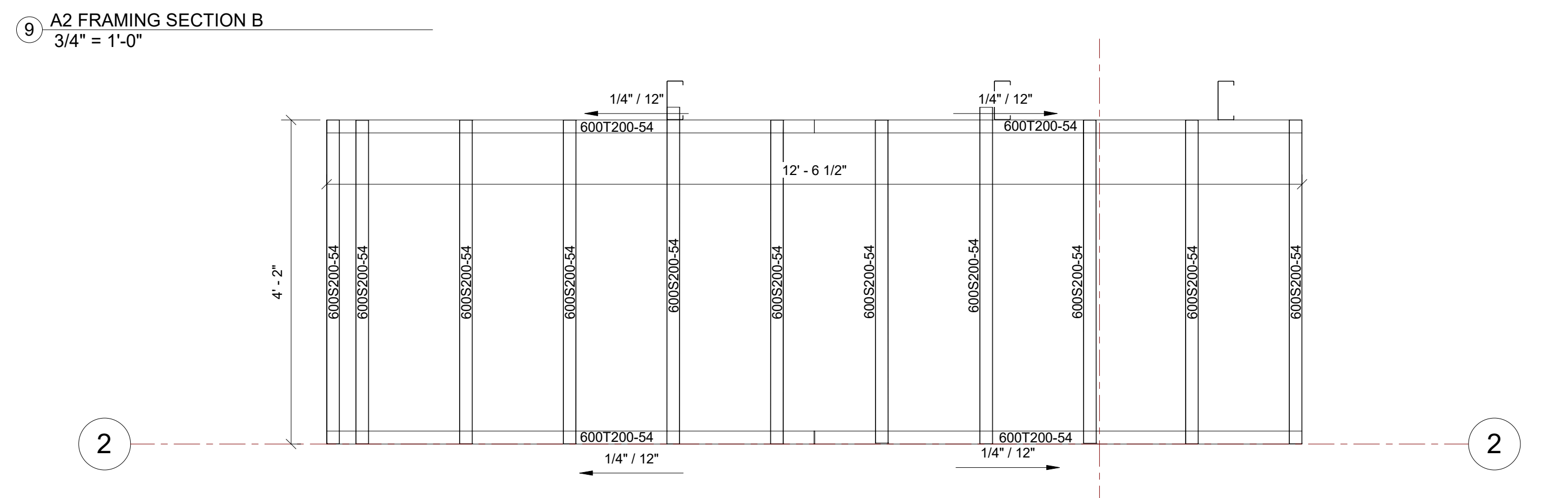
1 WALL A2-A PLAN VIEW
3/4" = 1'-0"



4 WALL A2-B PANEL ELEVATION NEW
3/4" = 1'-0"



3 WALL A2-B STUD ORIENTATION
3/4" = 1'-0"

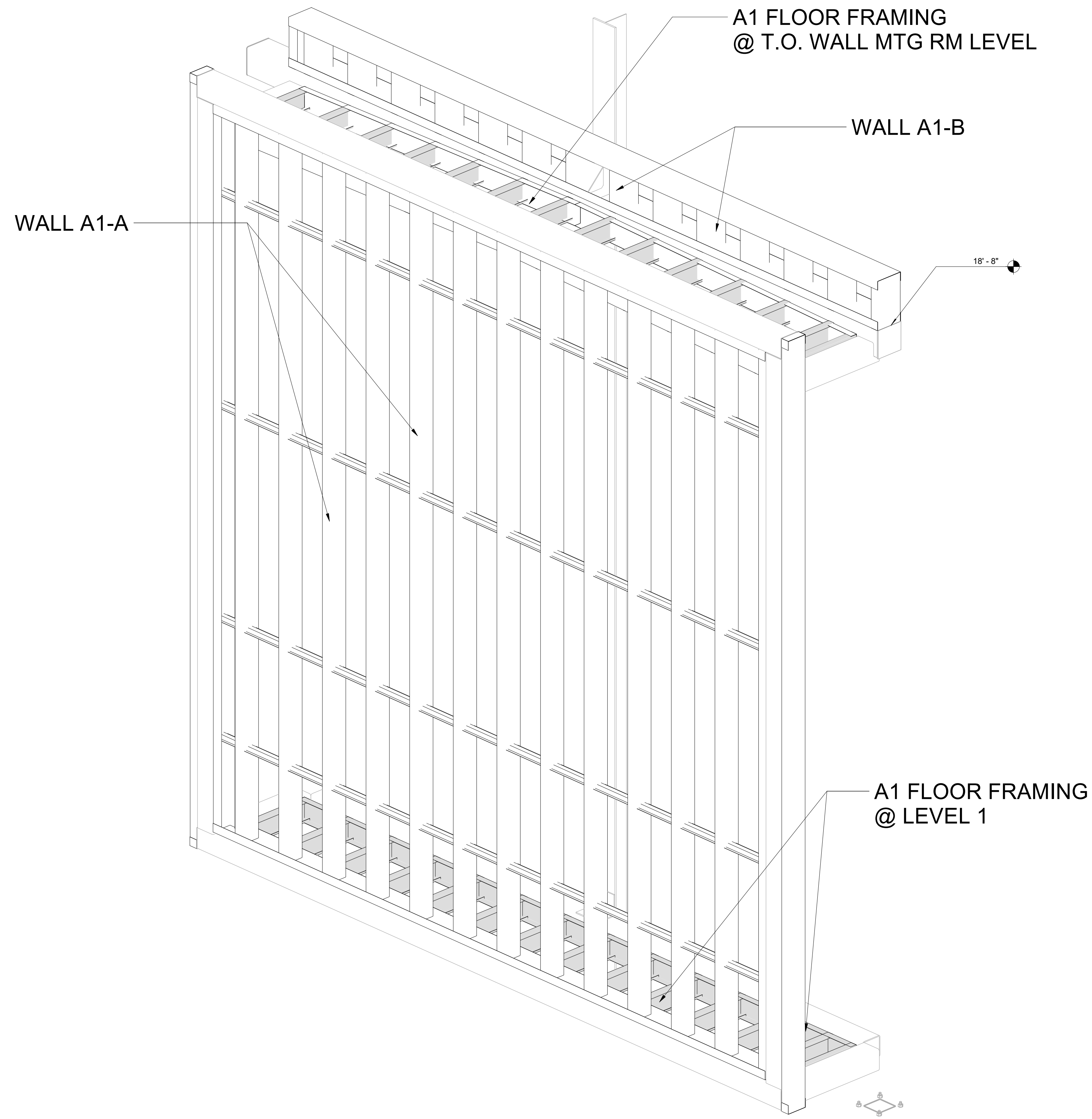


7 WALL A2 FLOOR FRAMING @ LEVEL 1
3/4" = 1'-0"

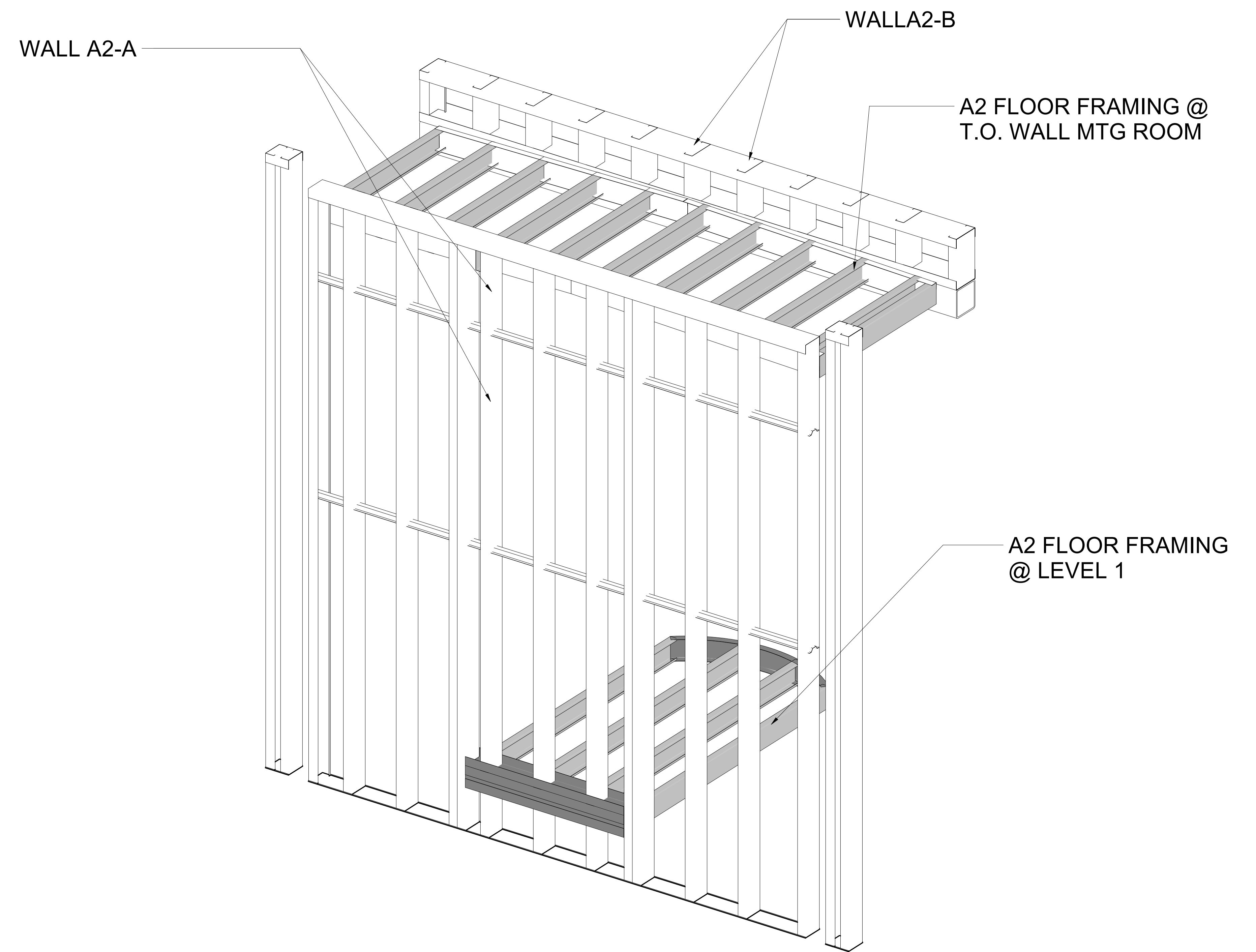
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WALL A2-A,B PLANS & ELEVATIONS
PROJECT NUMBER SIM-61
DATE 06-23-2023
Drawn by N/S/SS/T
Checked by AP
SCALE-As indicated



1 WALL A1 AXONOMETRIC VIEW



2 WALL A2 AXONOMETRIC VIEW

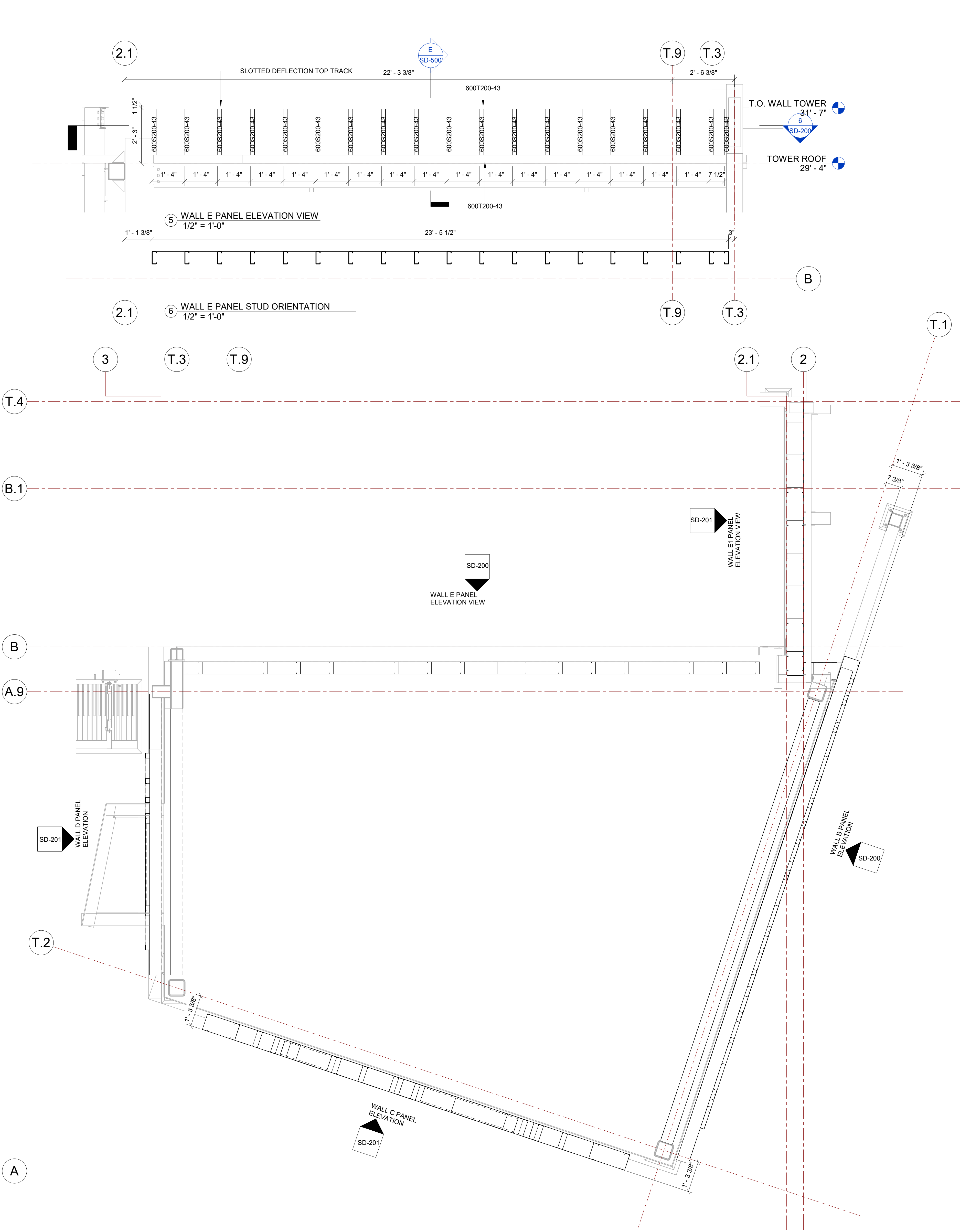


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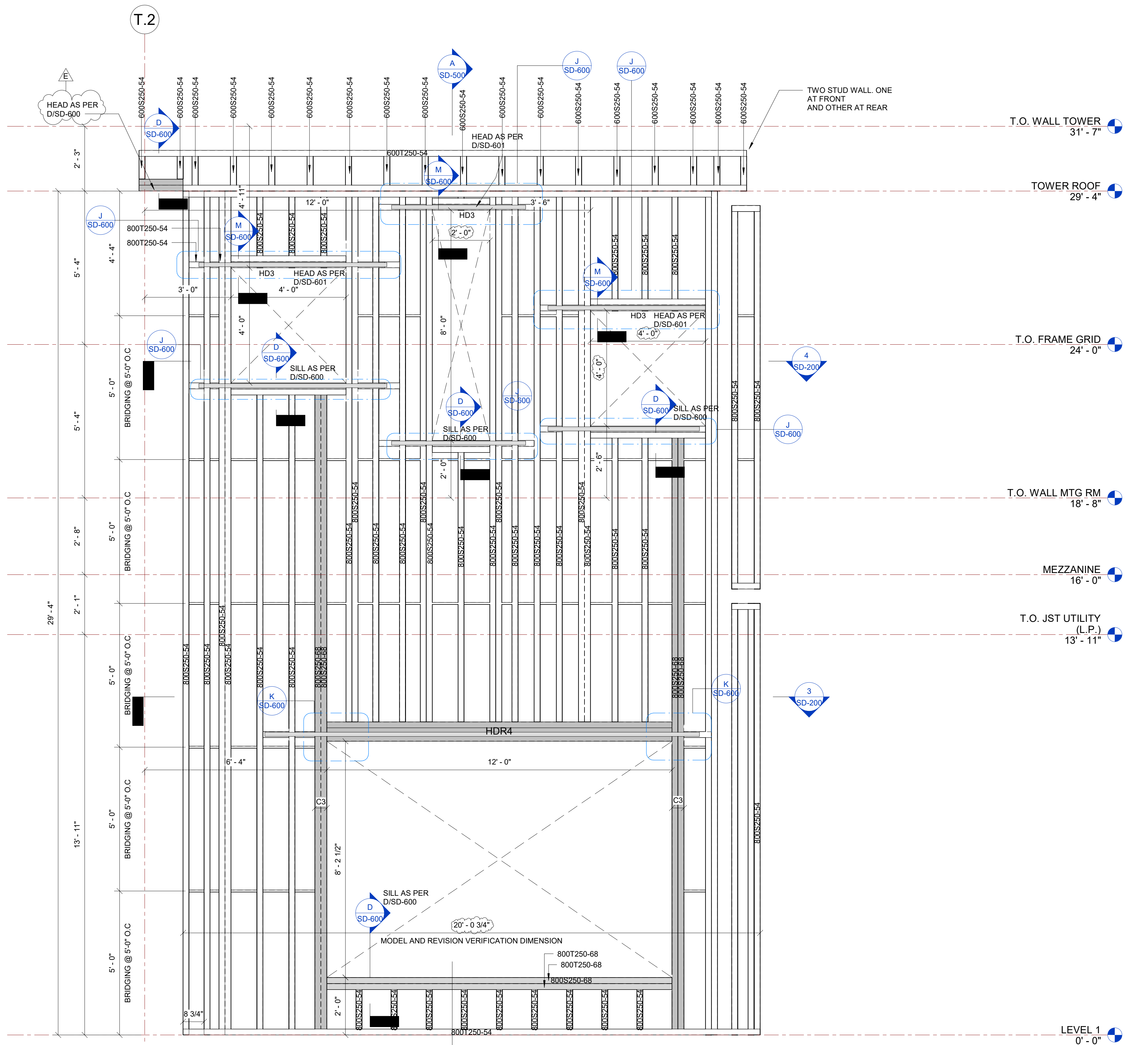
REVISION SCHEDULE		
NUMBER	DESCRIPTION	DATE
D	FOR APPROVAL	02-02-2023
E	FOR APPROVAL	02-11-2023
F	FOR APPROVAL	06-23-2023

WALL A1, A2 AXONOMETRIC VIEW

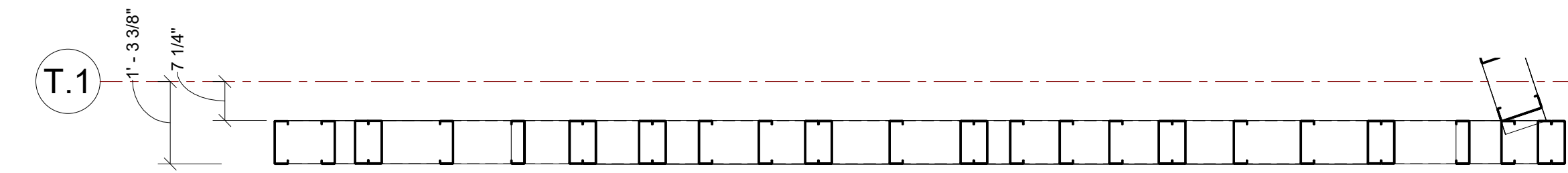
PROJECT NUMBER	SIM-61	SD-102
DATE	06-23-2023	
Drawn by	SS/S	SCALE-
Checked by	AP	



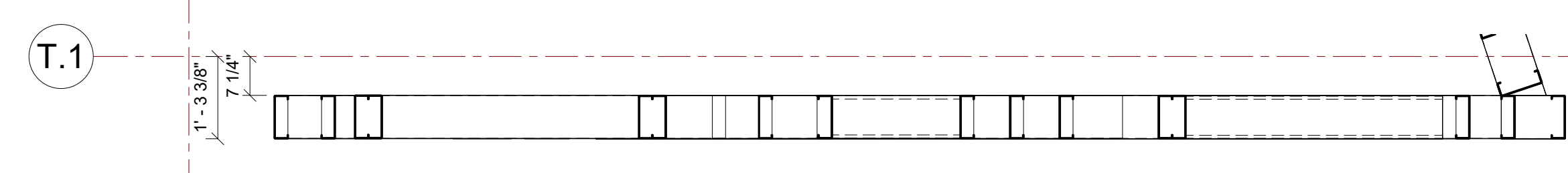
1 WALL B, C, D, E AND E1 PLAN VIEW
1/2" = 1'-0"



2 WALL B PANEL ELEVATION
1/2" = 1'-0"



3 WALL B PANEL STUD ORIENTATION 1
1/2" = 1'-0"



WALL B PANEL STUD ORIENTATION 2
1/2" = 1'-0"

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WALL-B,C,D,E PLAN VIEW & PANEL ELEVATIONS VIEW

PROJECT NUMBER SIM-61

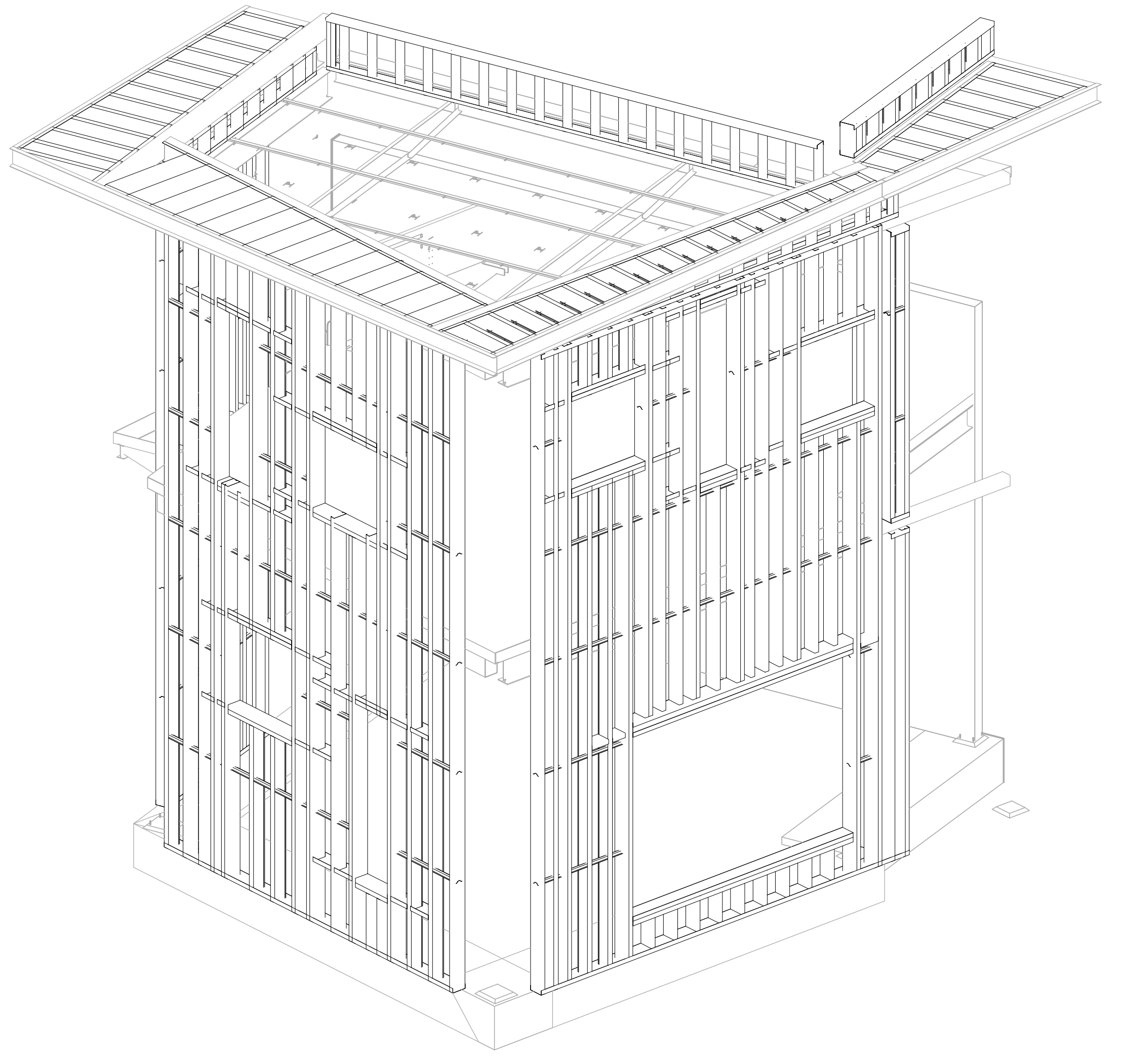
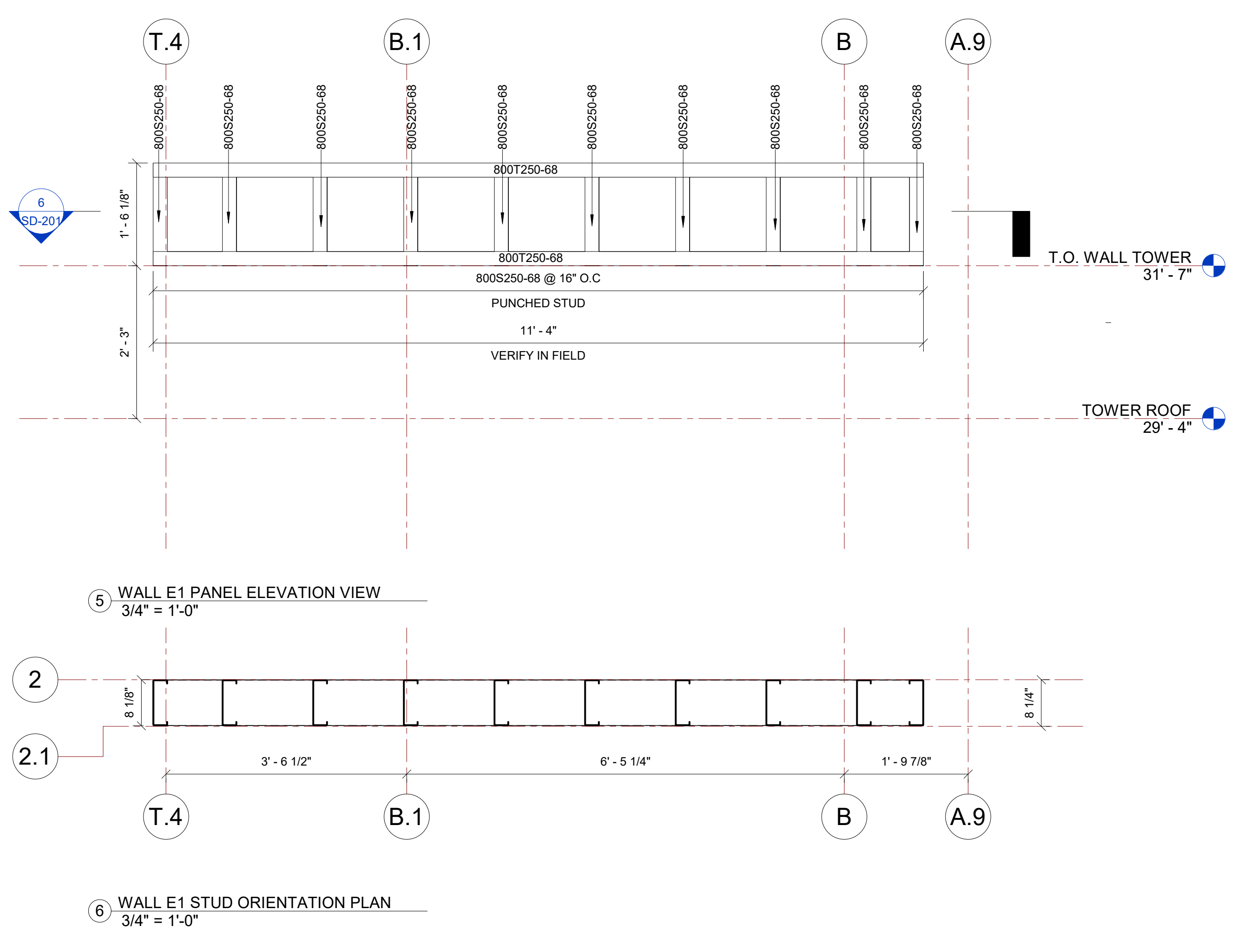
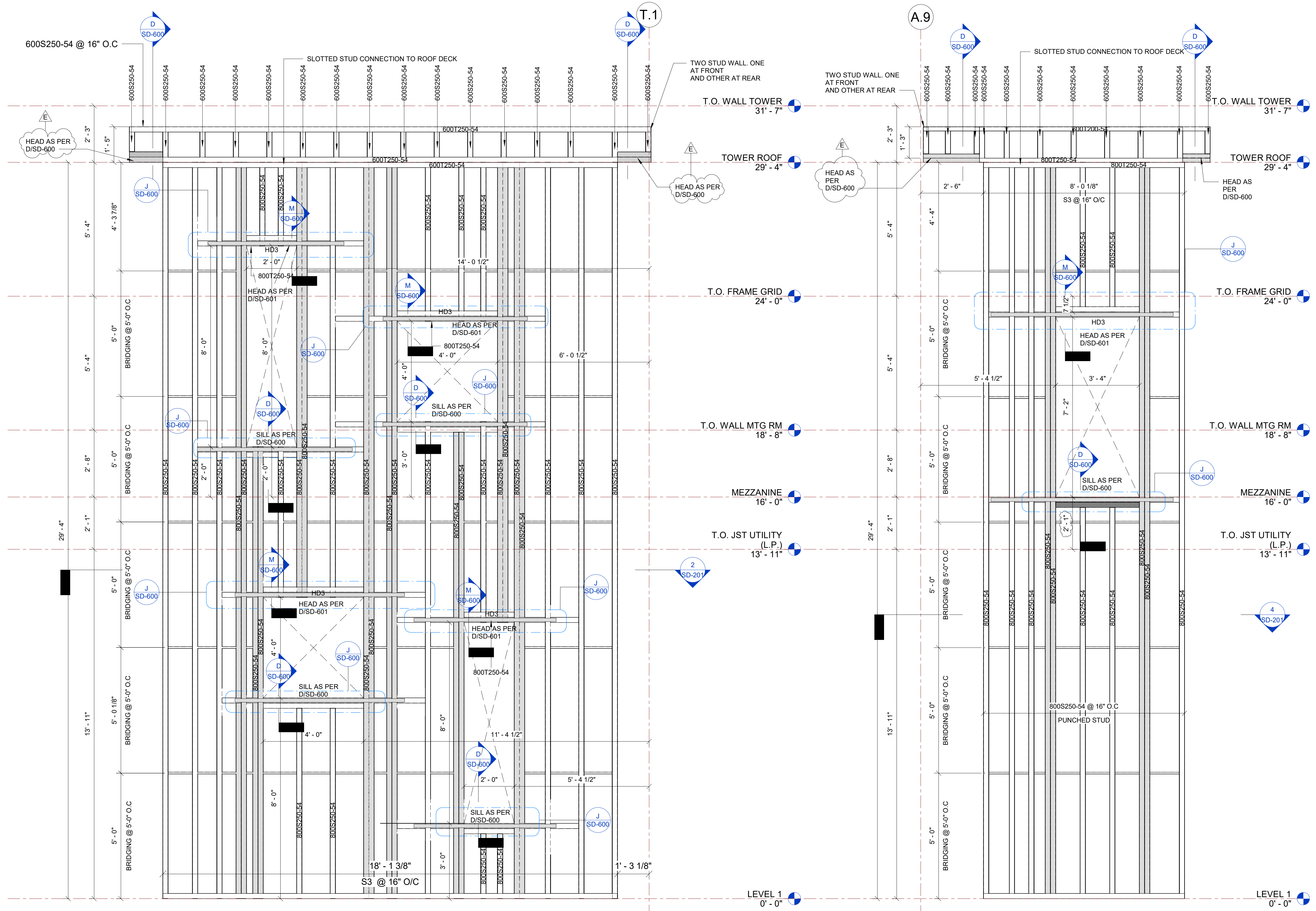
DATE 06-23-2023

Drawn by N/S/SS/T

Checked by AP

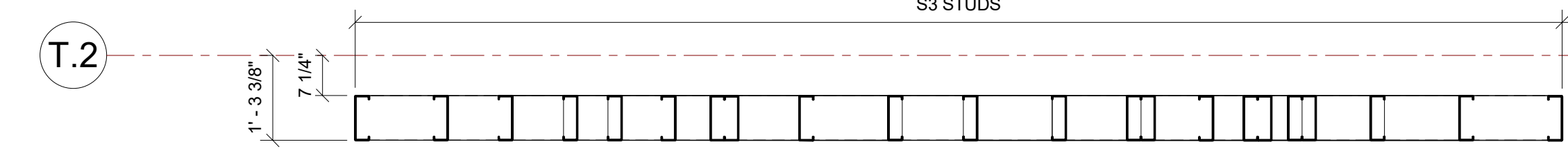
SD-200

SCALE- 1/2" = 1'-0"

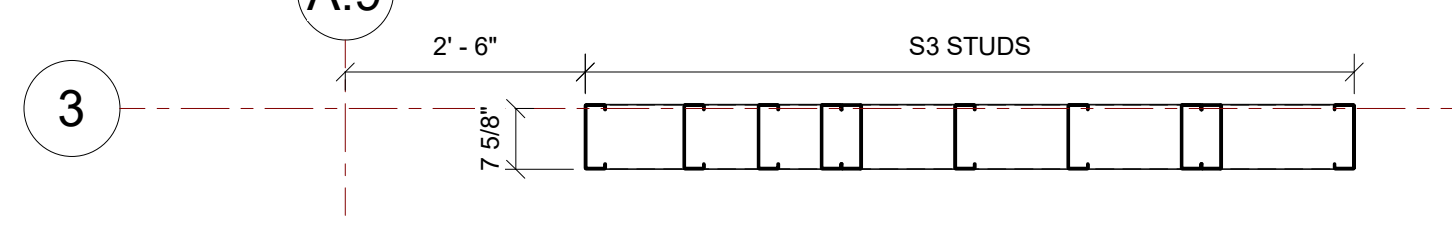


1 WALL C PANEL ELEVATION
1/2" = 1'-0"

3 WALL D PANEL ELEVATION
1/2" = 1'-0"

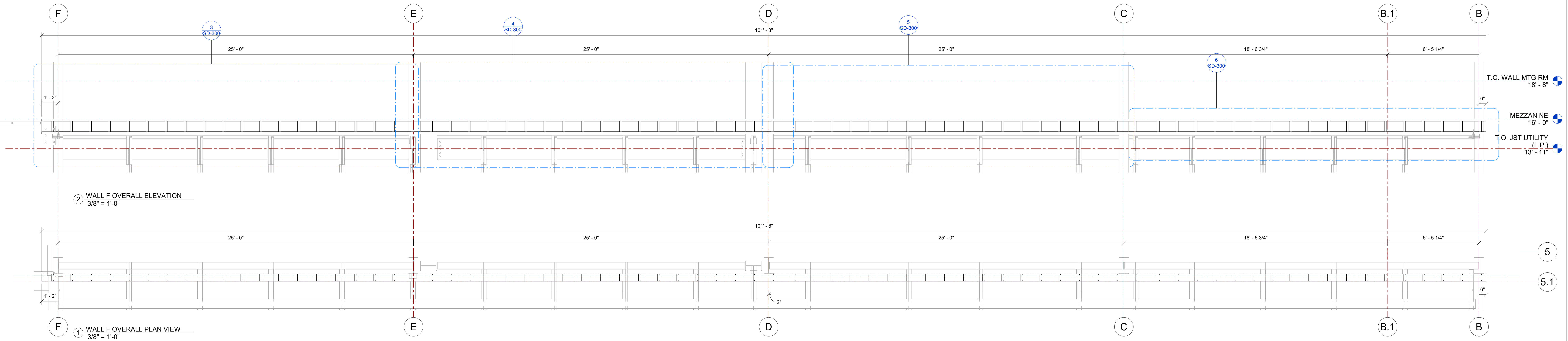
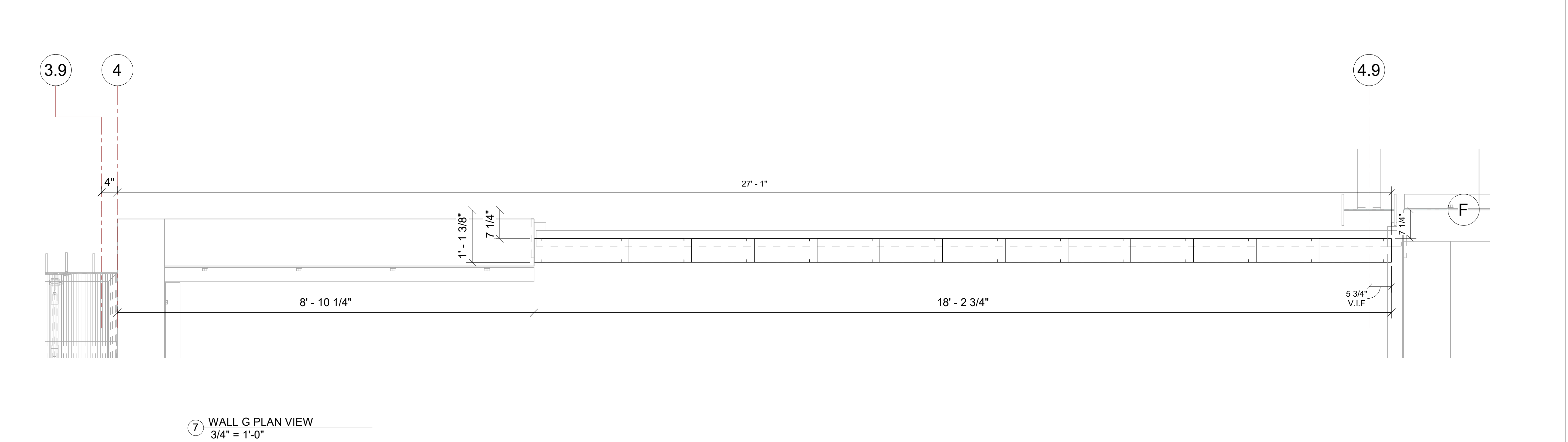
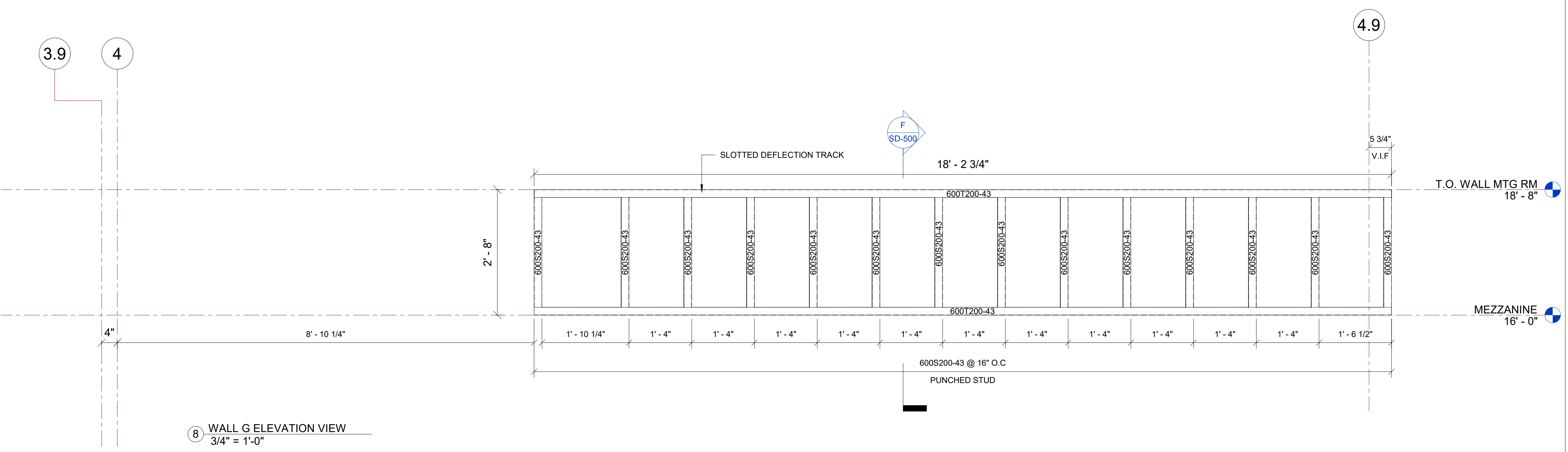
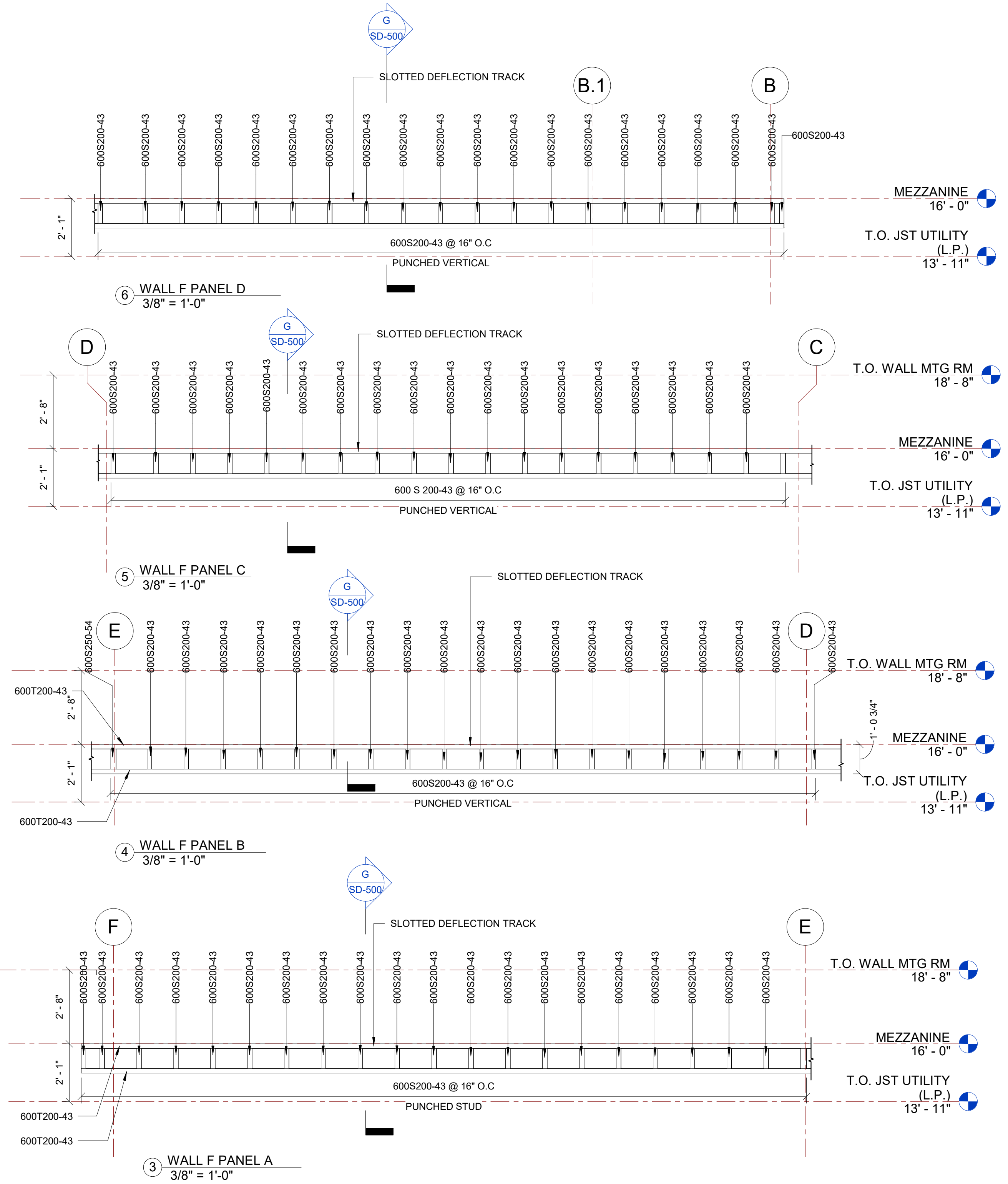


2 WALL C PANEL STUD ORIENTATION
1/2" = 1'-0"



4 WALL D PANEL STUD ORIENTATION
1/2" = 1'-0"

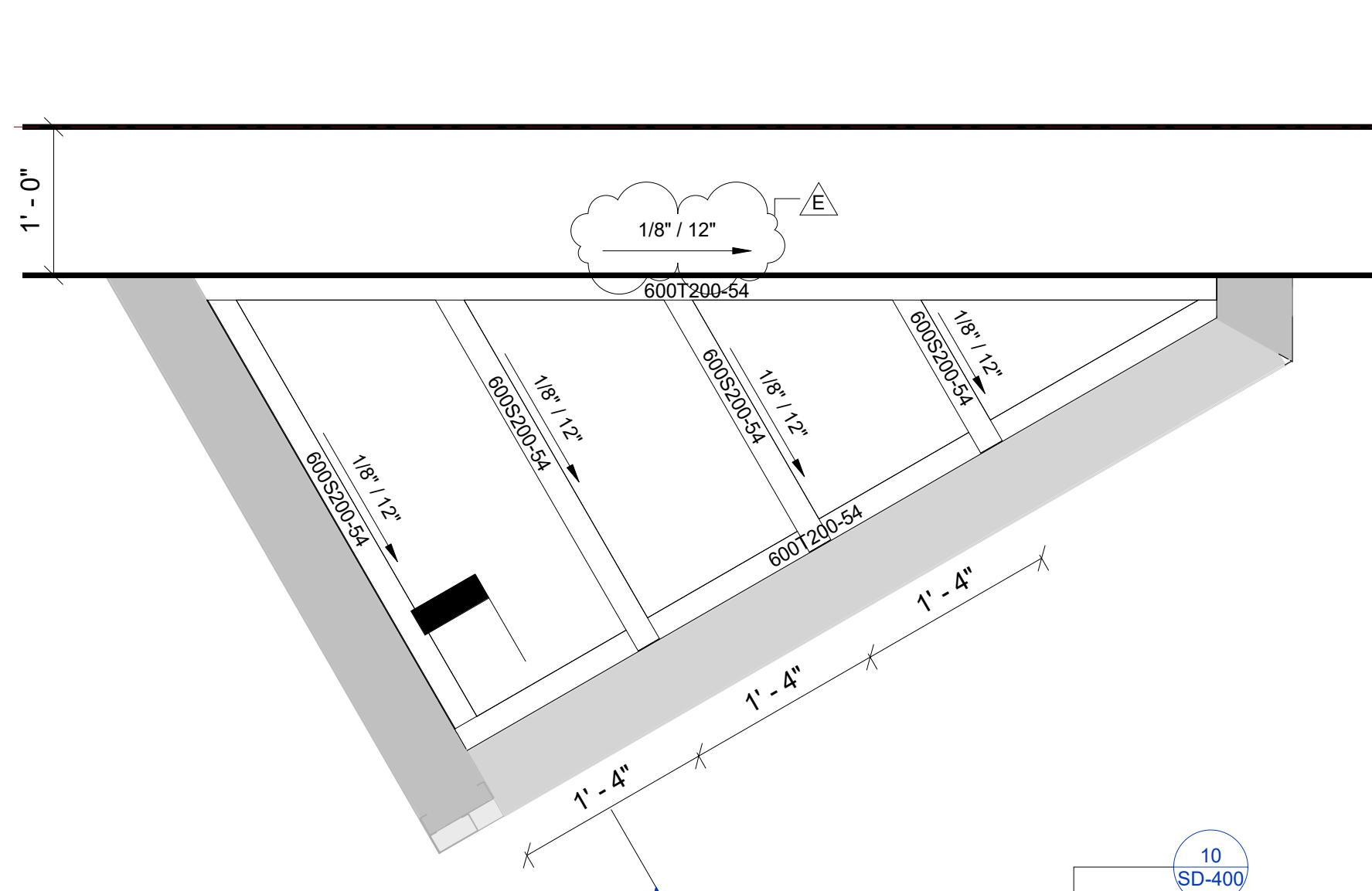
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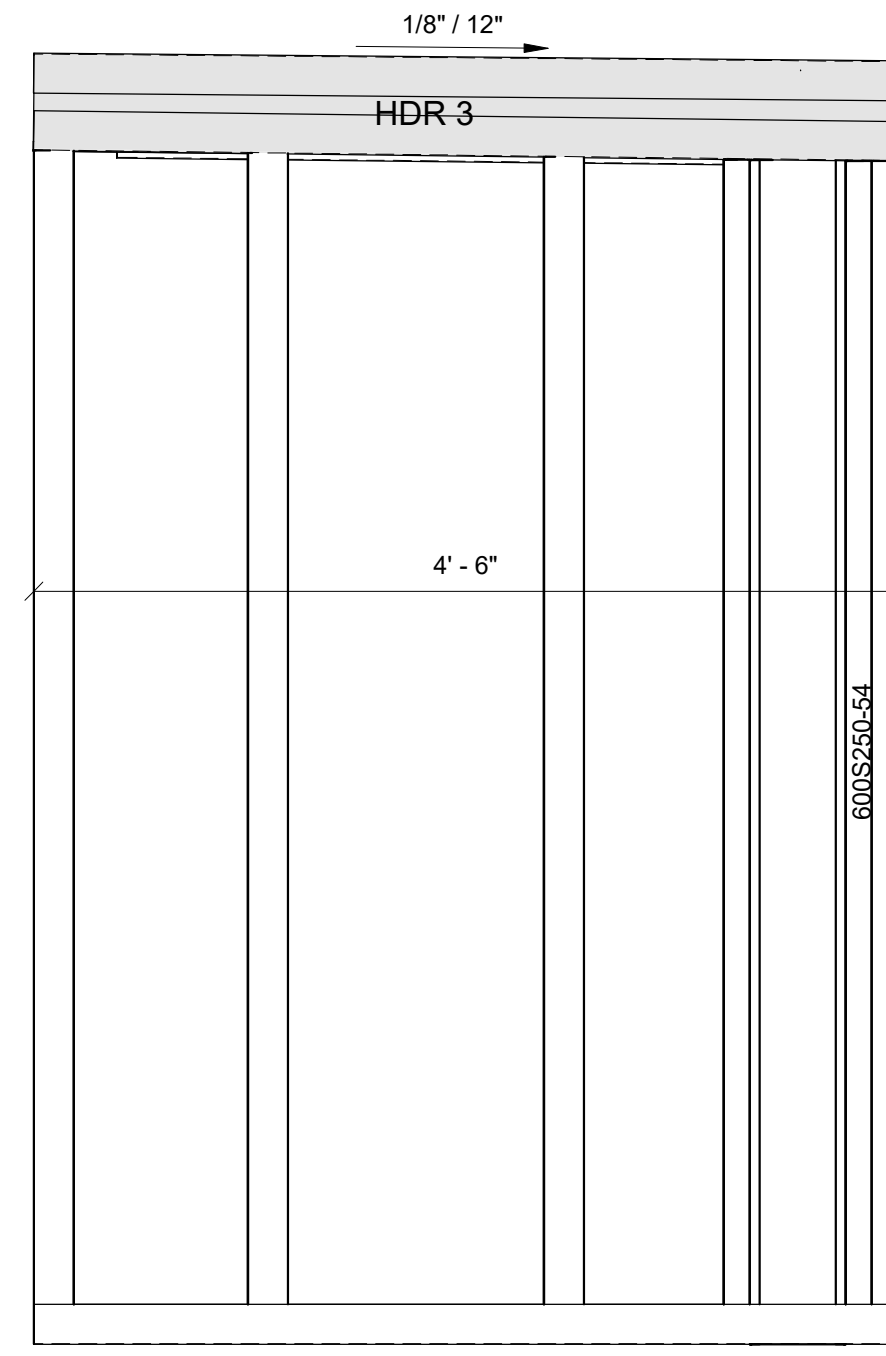
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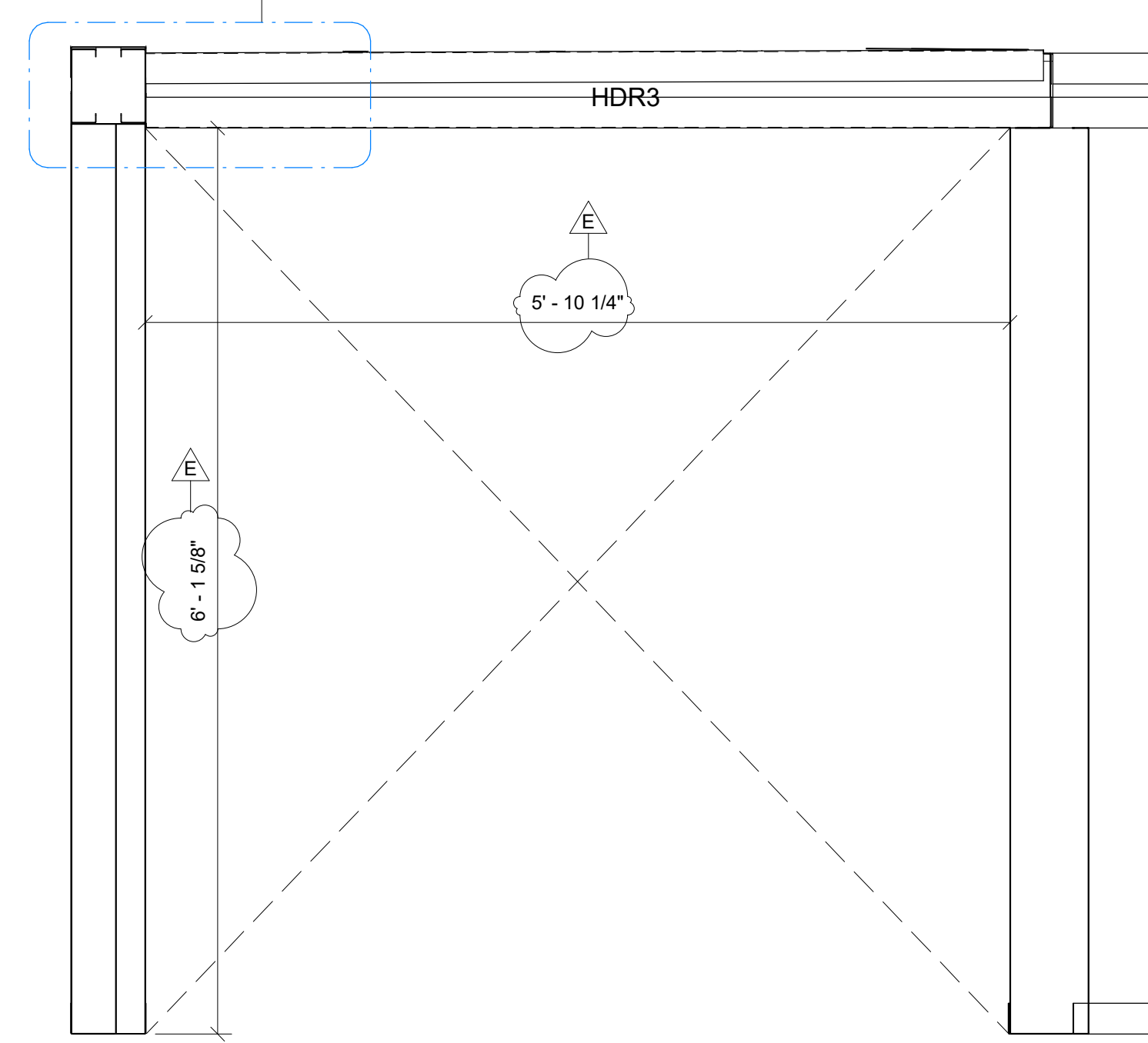
WALL G & F PLAN, ELEVATION & PANEL VIEWS
 PROJECT NUMBER SIM-61
 DATE 06-23-2023
 Drawn by N/S/SS/T
 Checked by AP
SD-300
 SCALE-As indicated



5 WALL H ROOF FRAMING VIEW
1" = 1'-0"

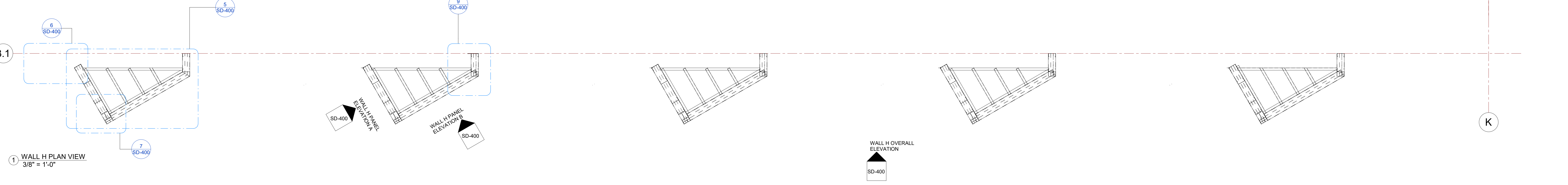


3 WALL H PANEL ELEVATION A
1" = 1'-0"

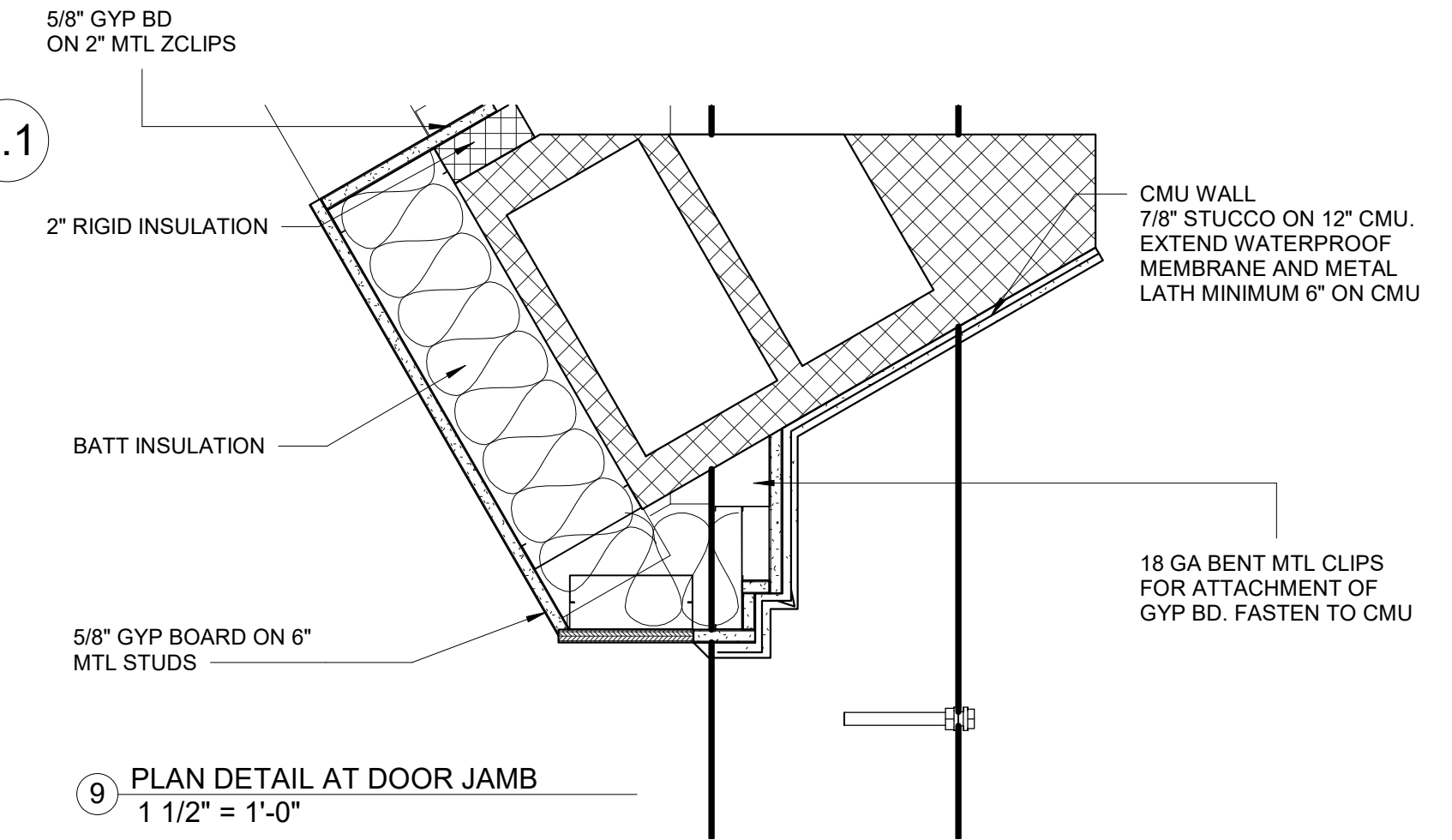


4 WALL H PANEL ELEVATION B
1" = 1'-0"

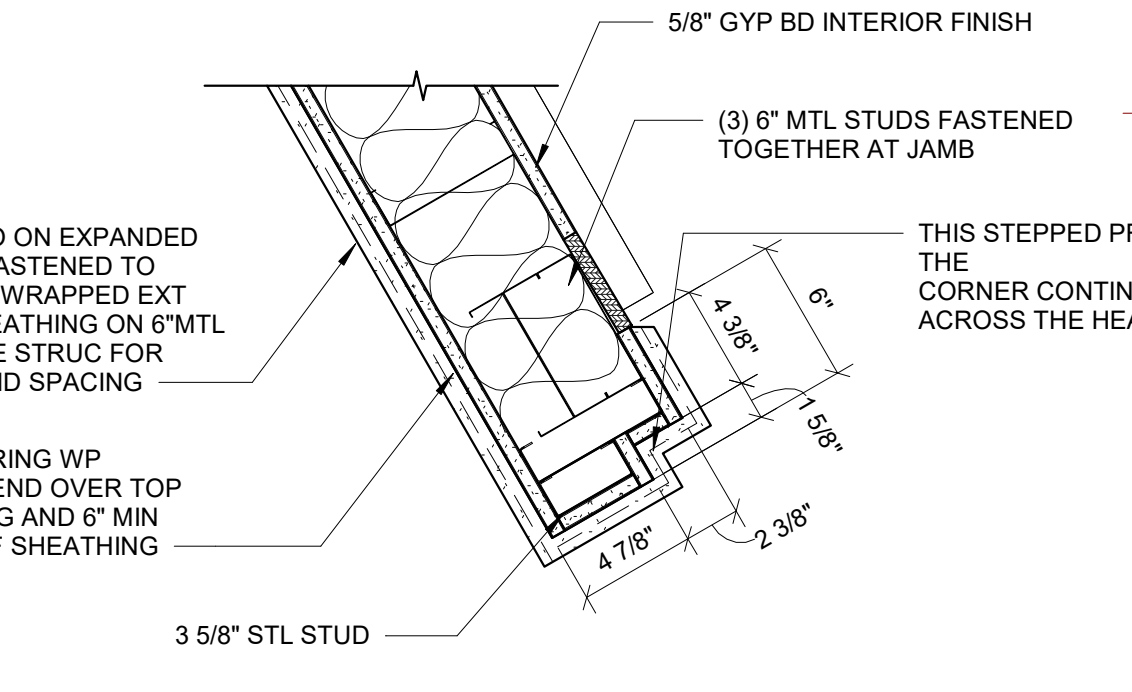
2 WALL H OVERALL ELEVATION
3/8" = 1'-0"



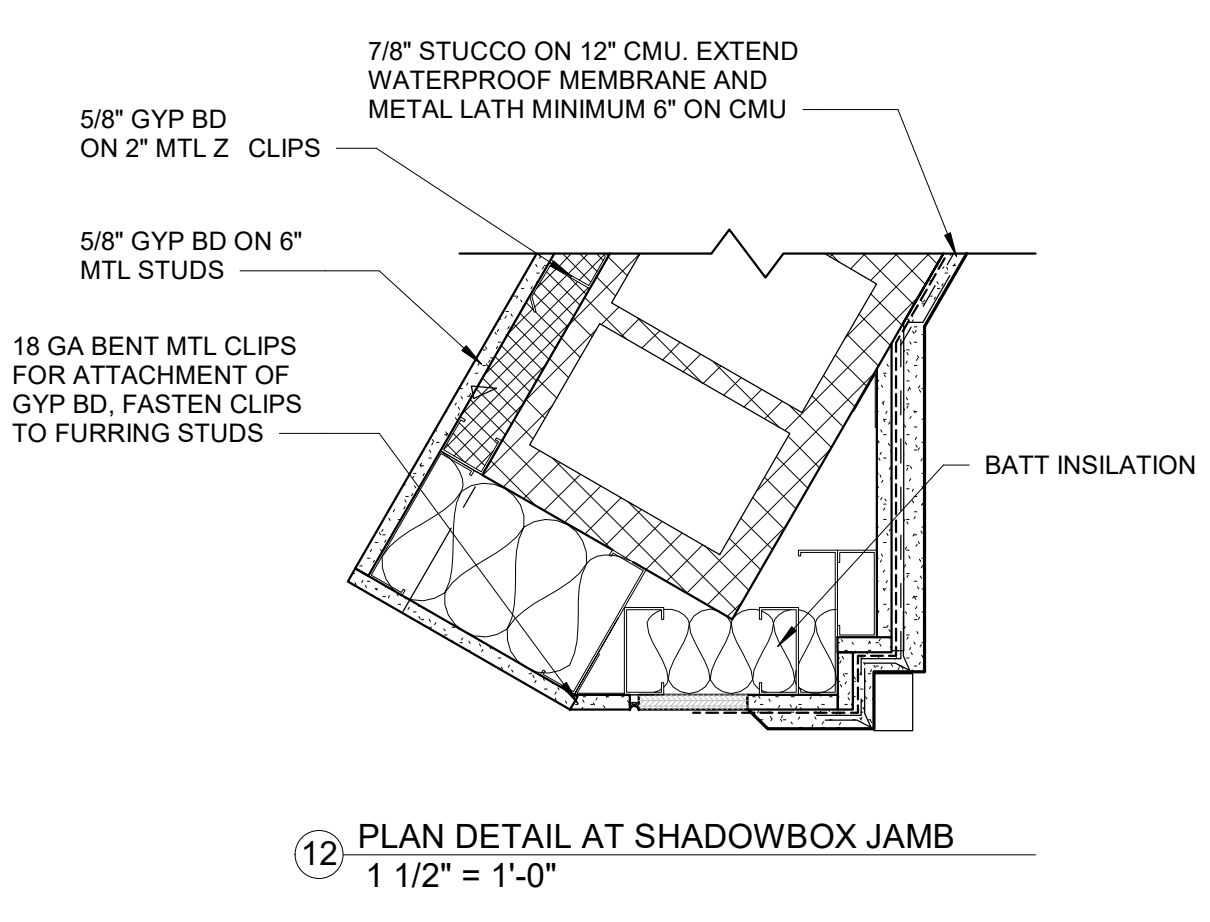
1 WALL H PLAN VIEW
3/8" = 1'-0"



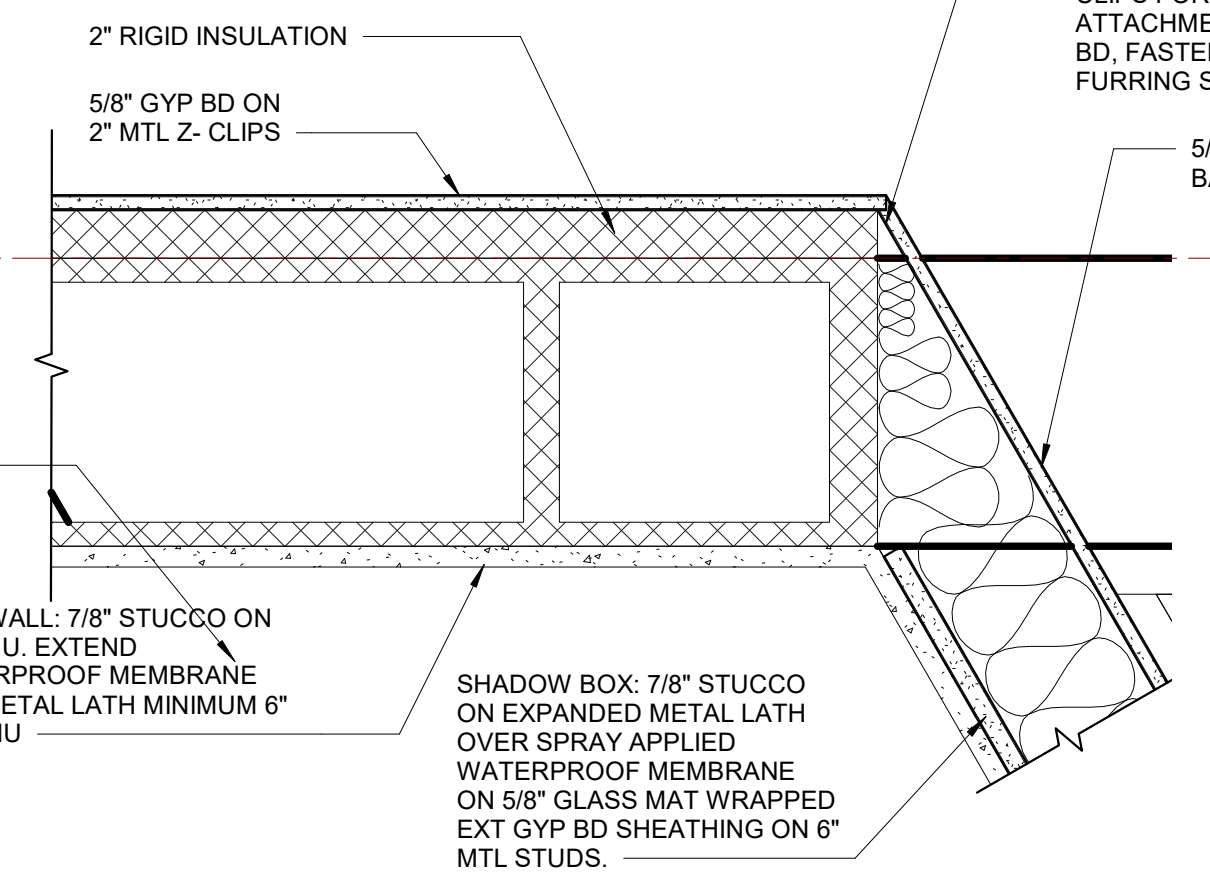
9 PLAN DETAIL AT DOOR JAMB
1 1/2" = 1'-0"



7 WALL H DETAIL B
1 1/2" = 1'-0"



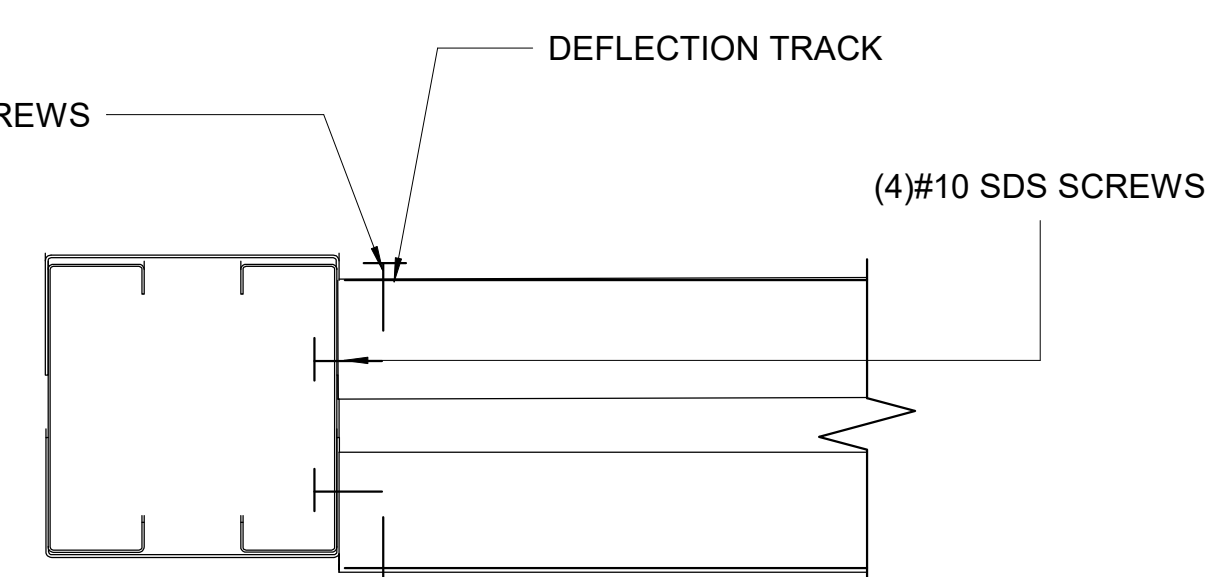
12 PLAN DETAIL AT SHADOWBOX JAMB
1 1/2" = 1'-0"



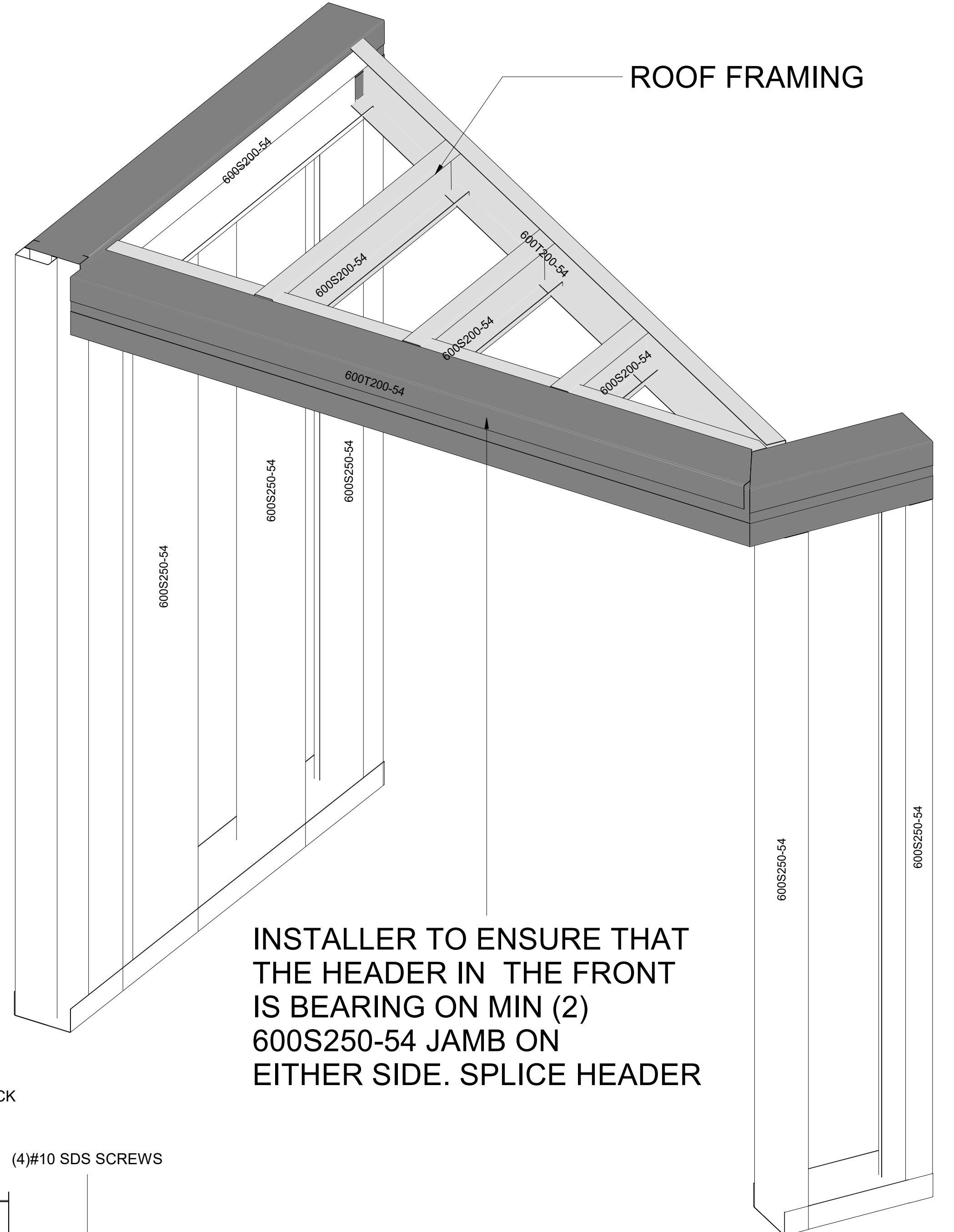
6 WALL H DETAIL A
1 1/2" = 1'-0"



11 SECTION B
3" = 1'-0"



10 ELEVATION A
3" = 1'-0"



INSTALLER TO ENSURE THAT THE HEADER IN THE FRONT IS BEARING ON MIN (2) 600S250-54 JAMB ON EITHER SIDE. SPLICE HEADER

ROOF FRAMING

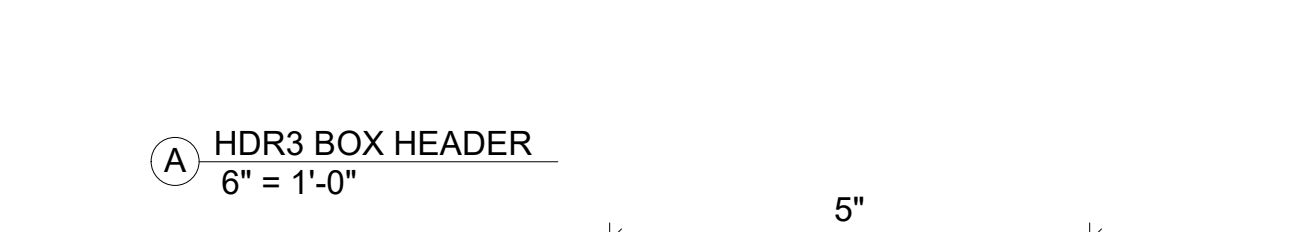
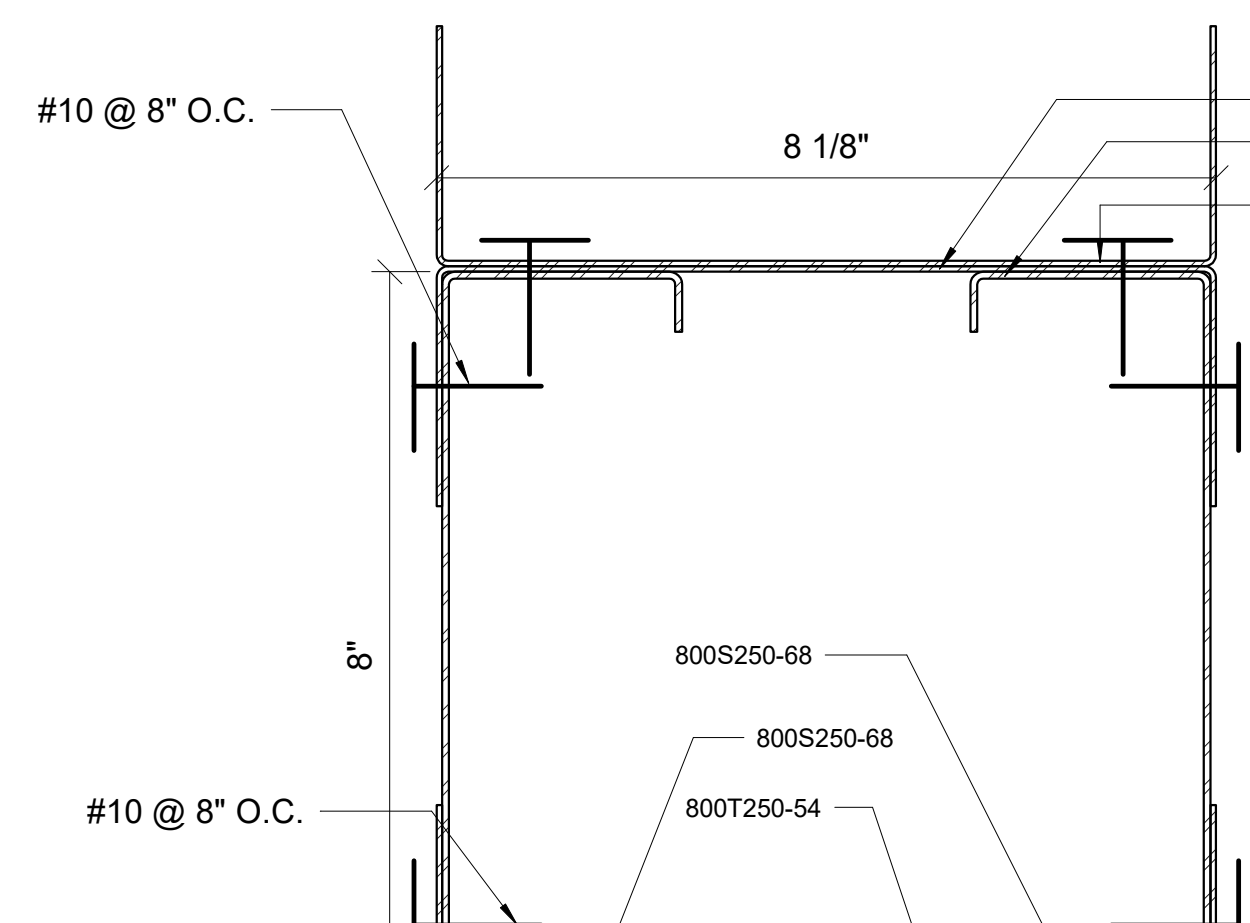
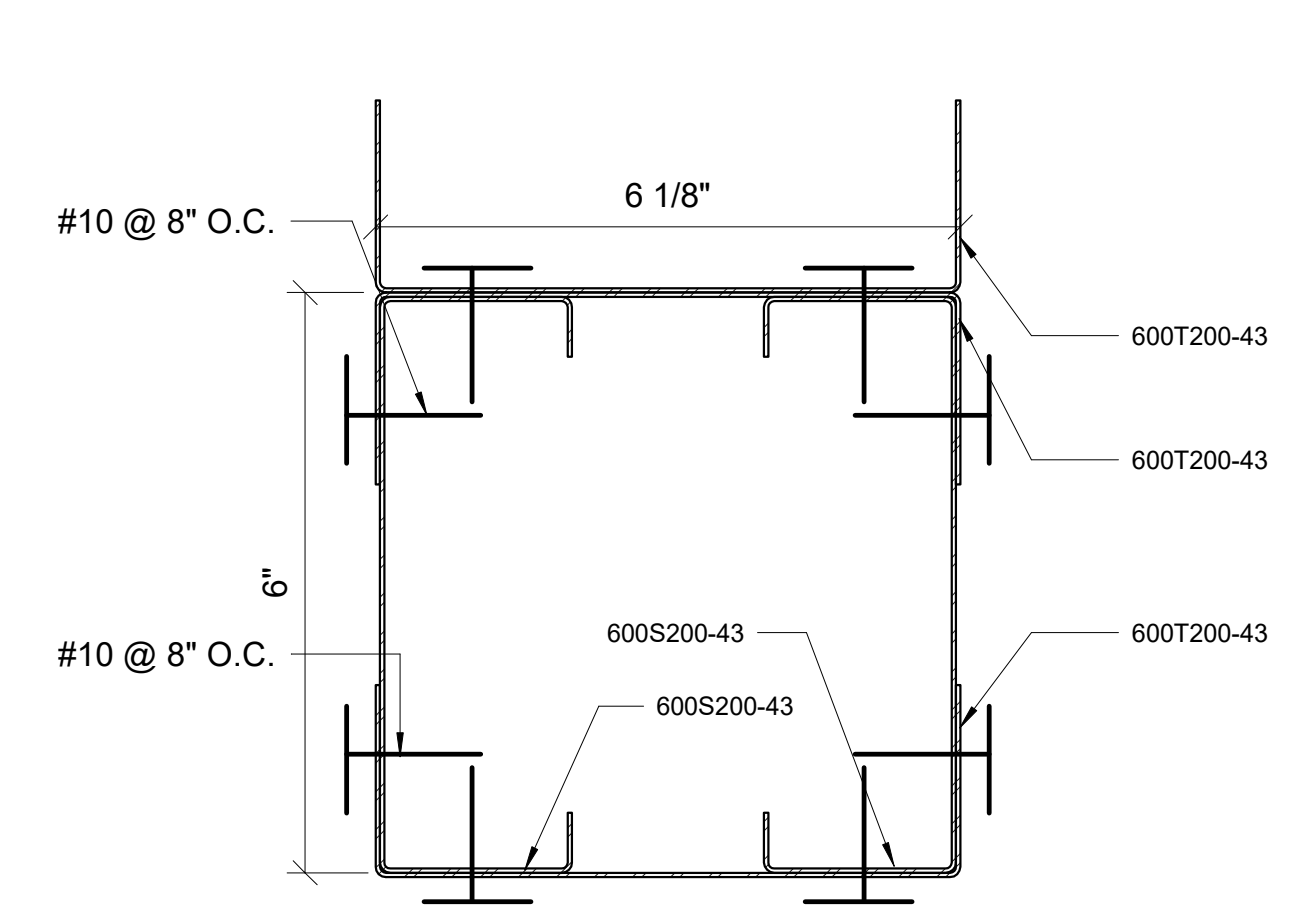
WALL-H ELEVATION & PLAN VIEW

PROJECT NUMBER	SIM-61	SD-400
DATE	06-23-2023	
Drawn by	N/S/SS/T	SCALE-As indicated
Checked by	AP	

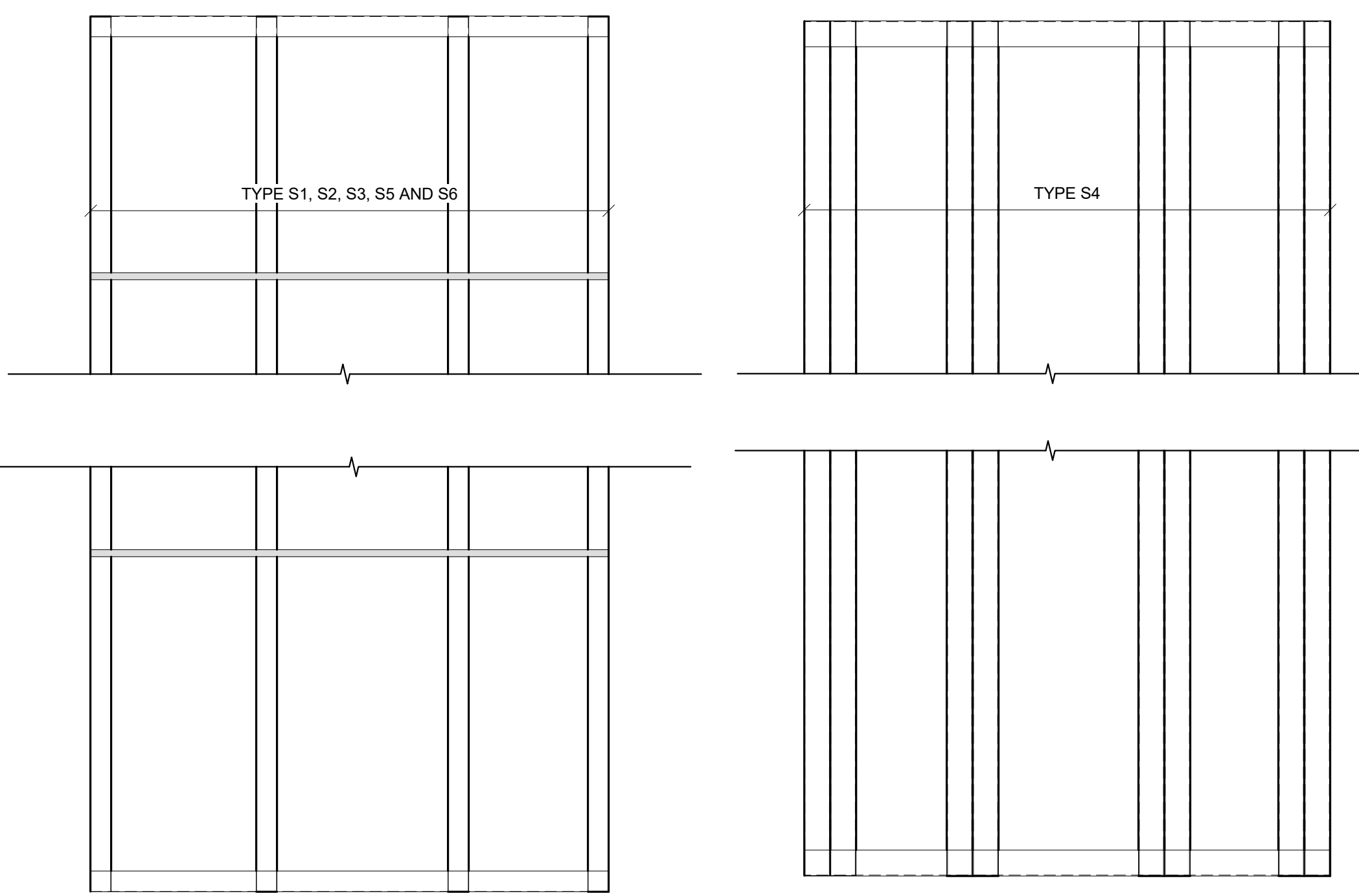
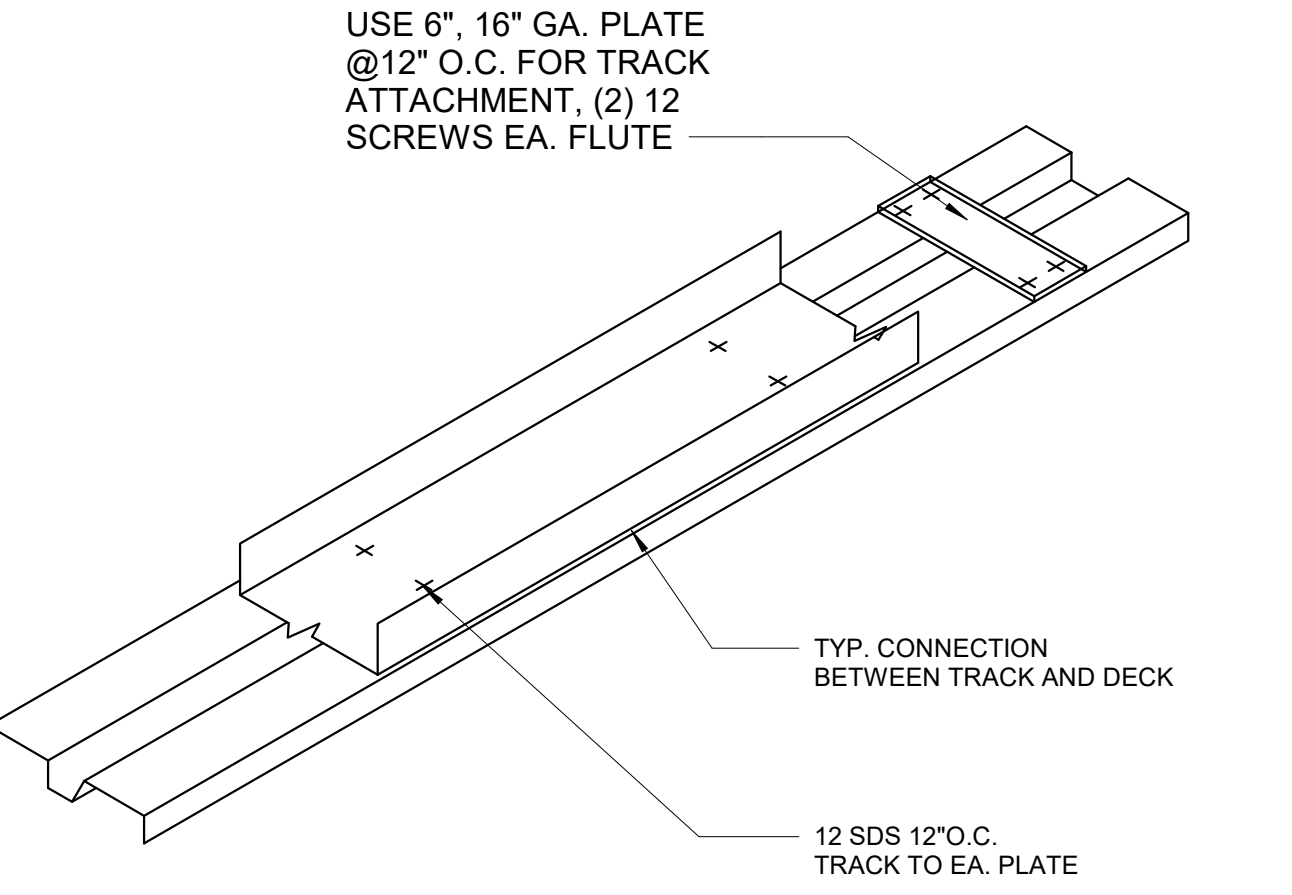
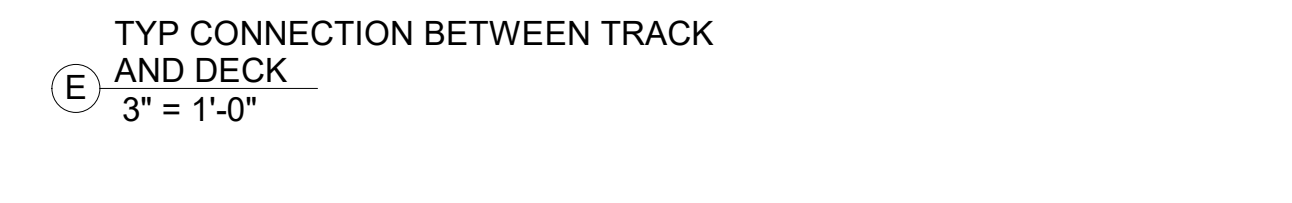
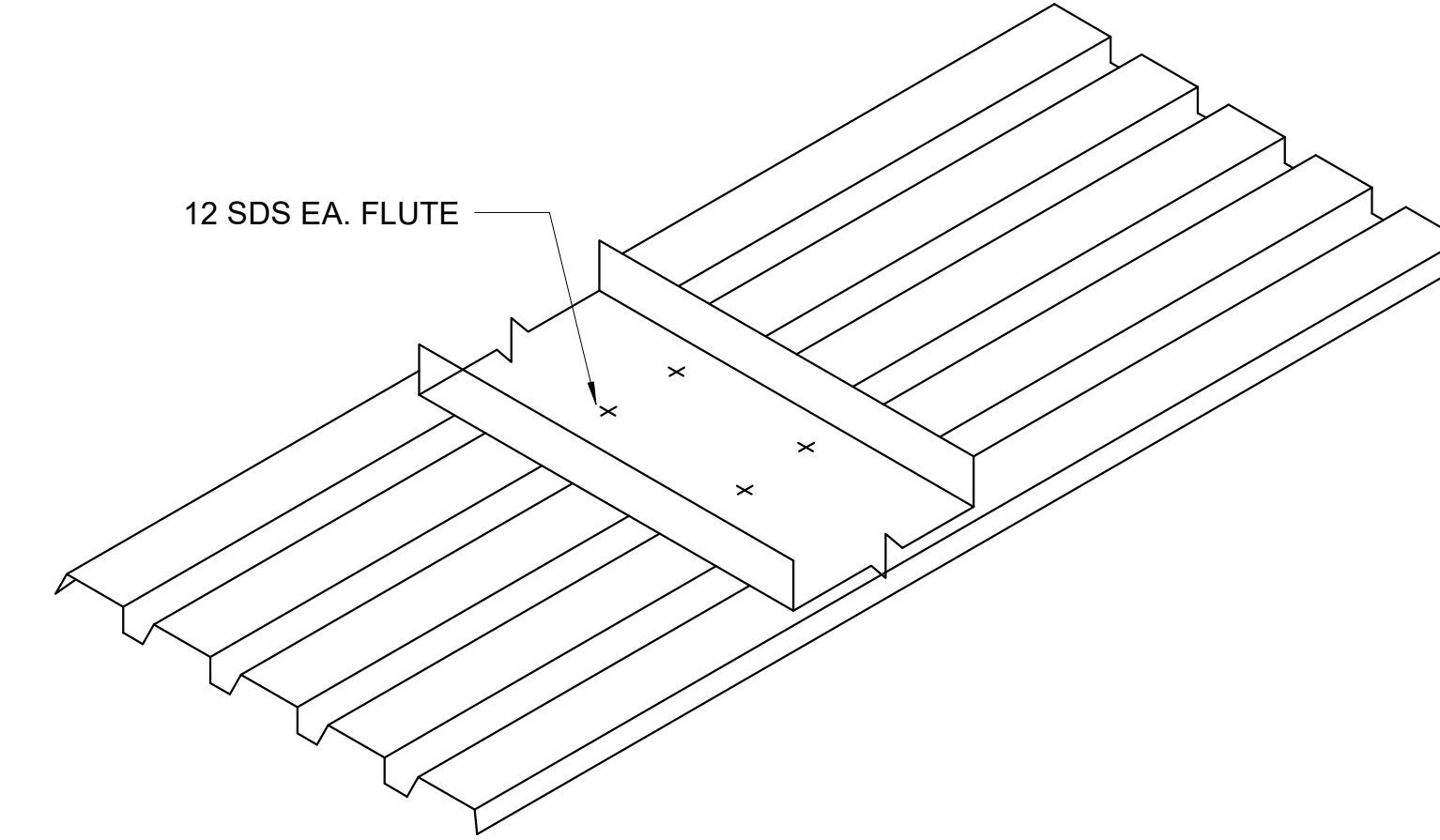
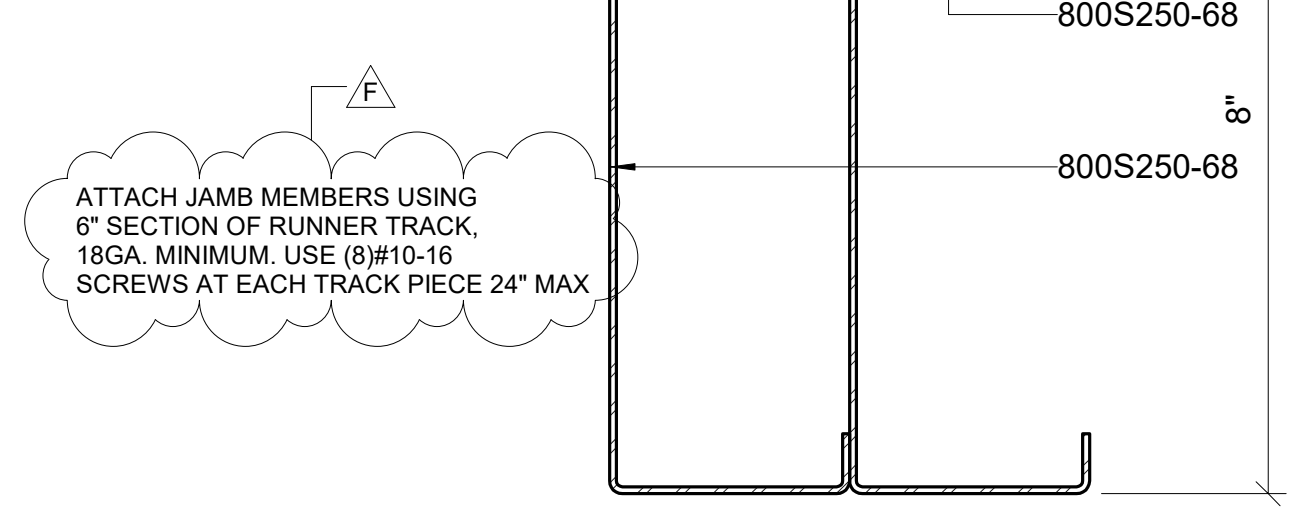
REVISION SCHEDULE		
NUMBER	DESCRIPTION	DATE
A	FOR APPROVAL	11-09-2022
B	FOR APPROVAL	11-19-2022
C	FOR APPROVAL	11-26-2022
D	FOR APPROVAL	02-02-2023
E	FOR APPROVAL	02-11-2023
F	FOR APPROVAL	06-23-2023

BIM ARCHITECTS AND ENGINEERS
SIMSONA CORP.
 1451 Rockville Pike, Suite #250,
 Rockville, MD 20850
 Phone : 301-408-8553
 Email: raj@simsona.com
 www.simsonabim.com

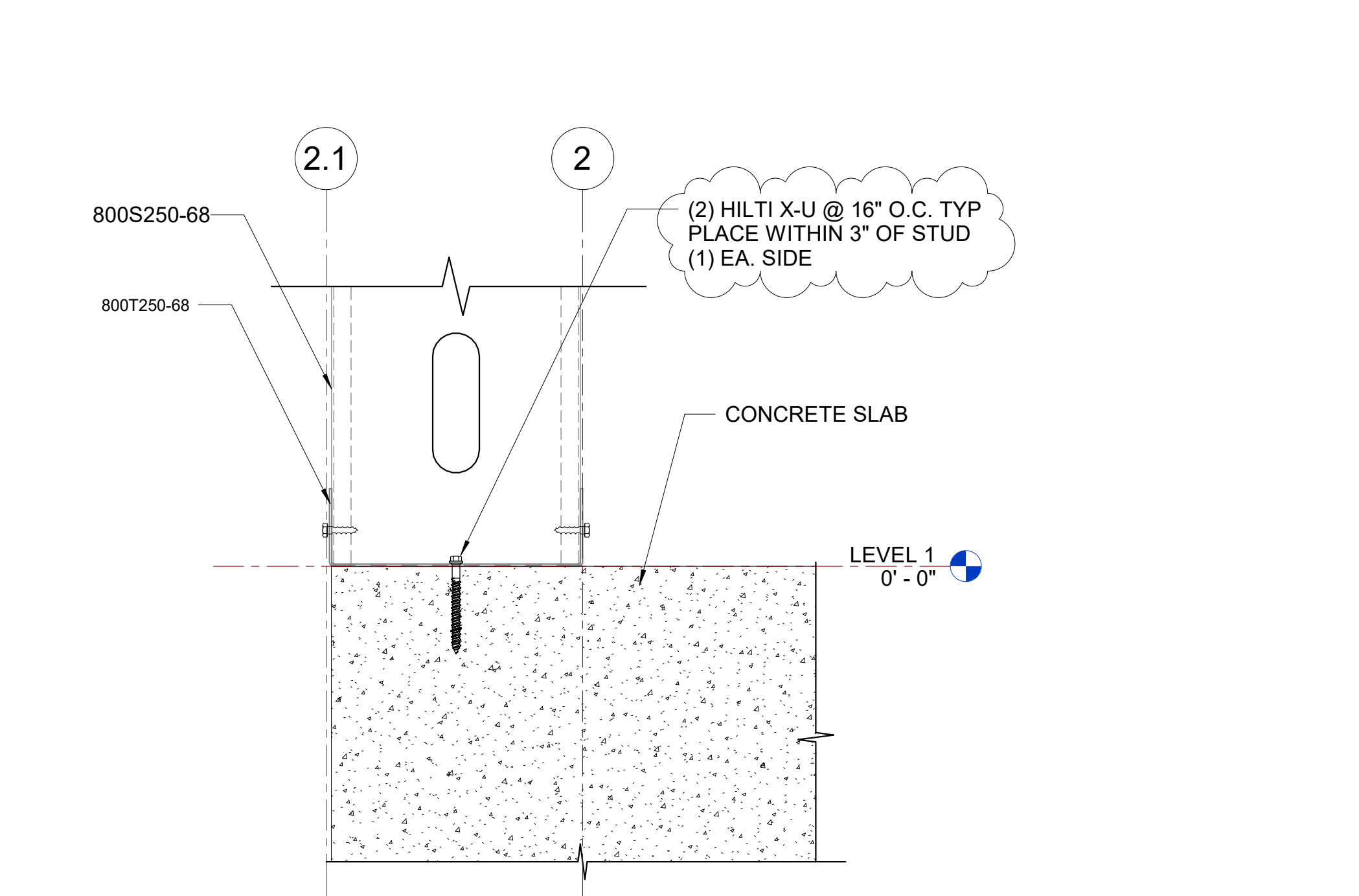
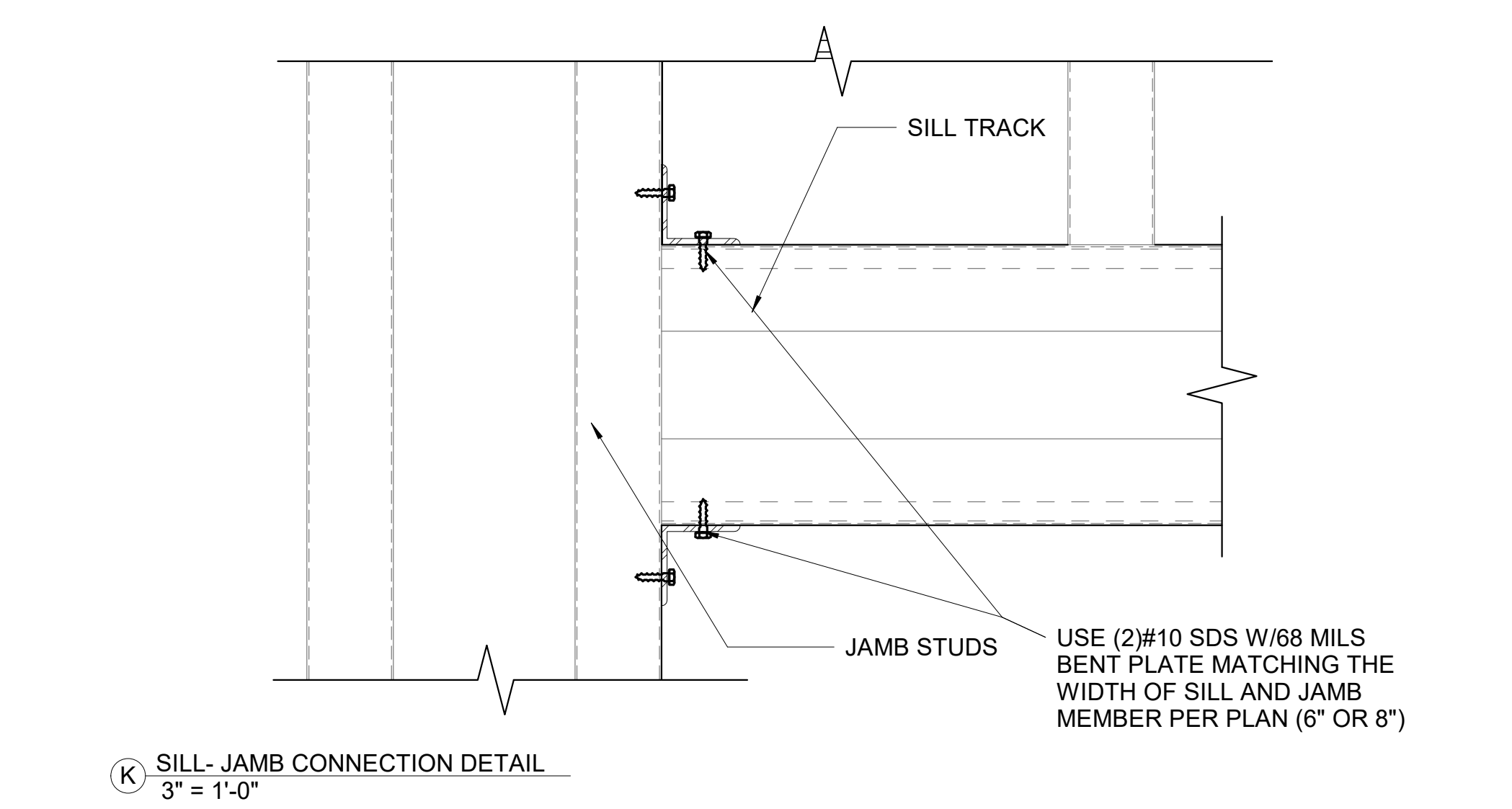
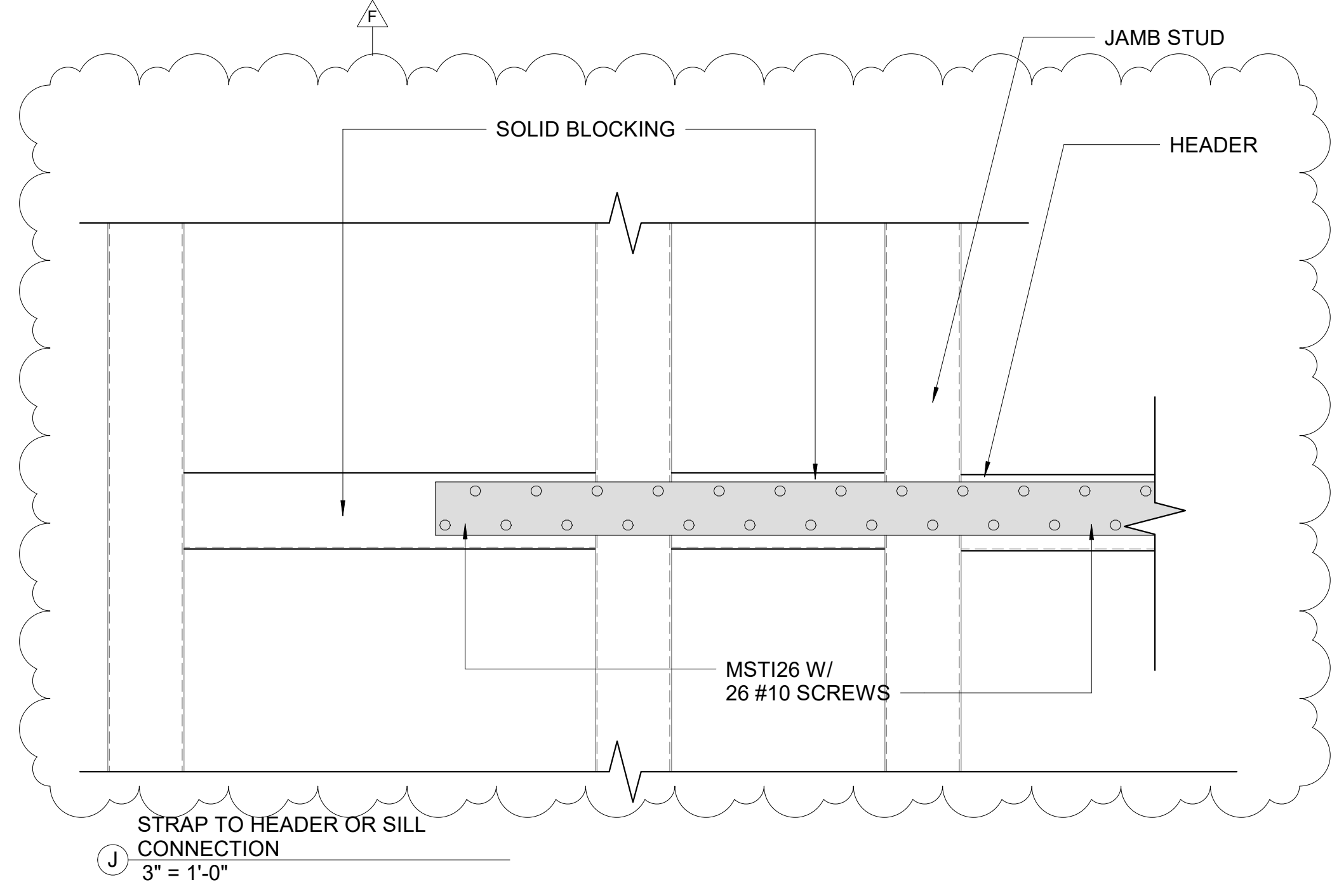
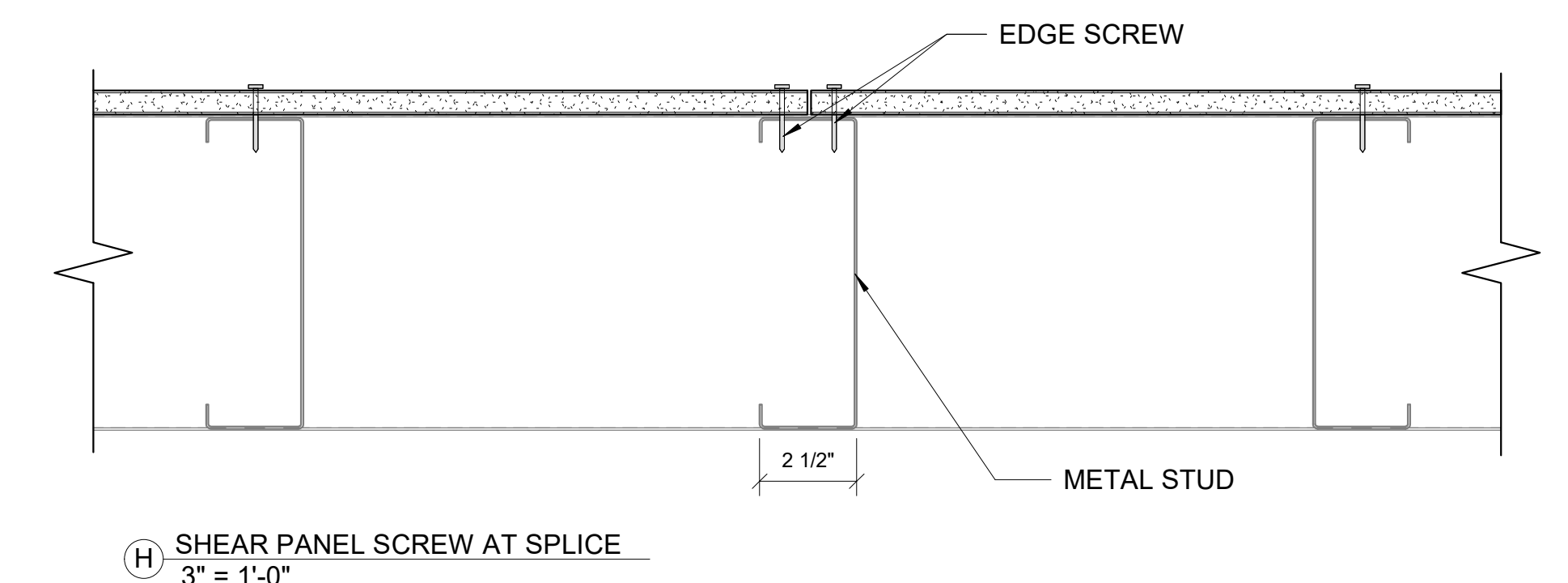
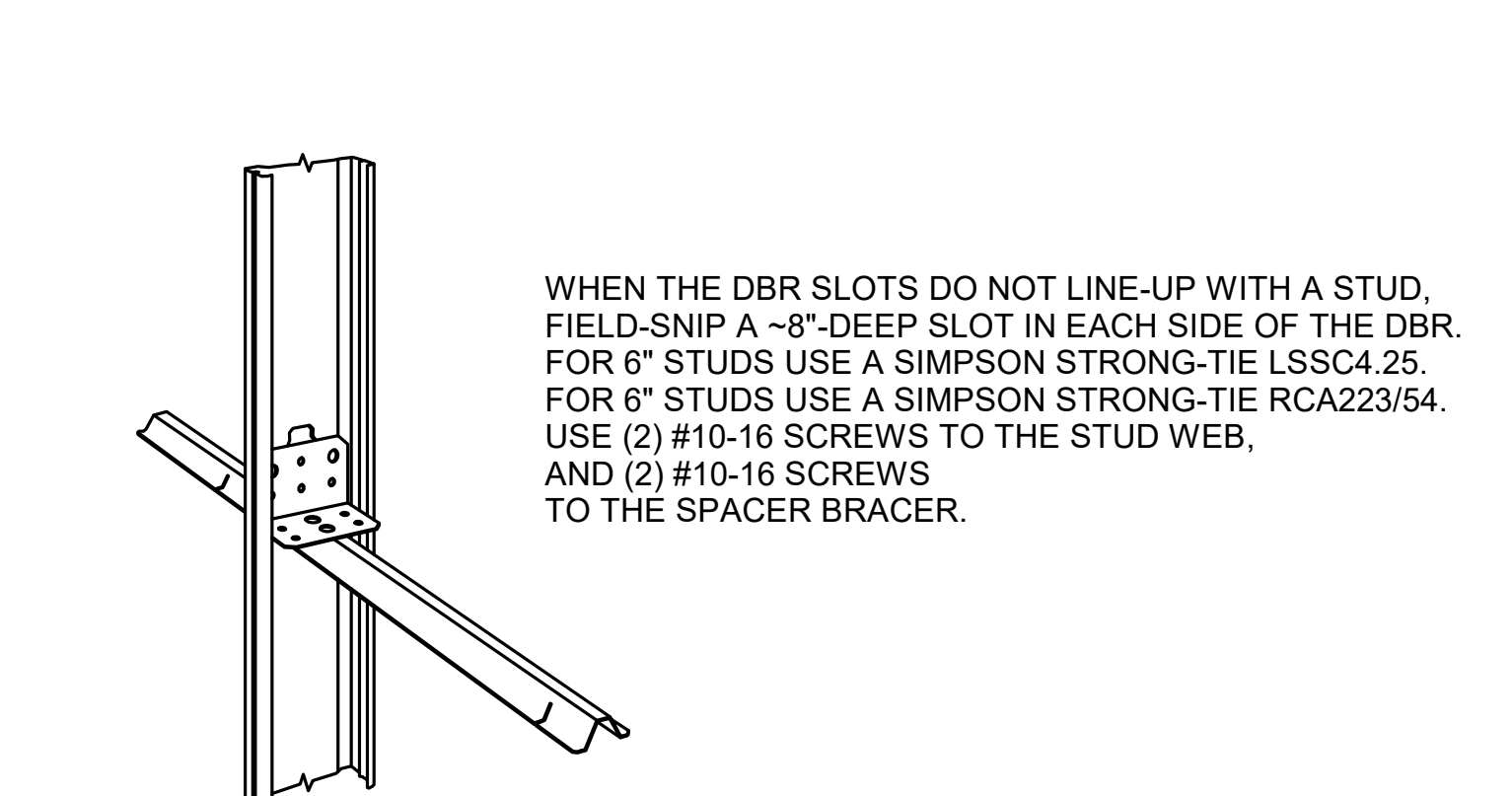
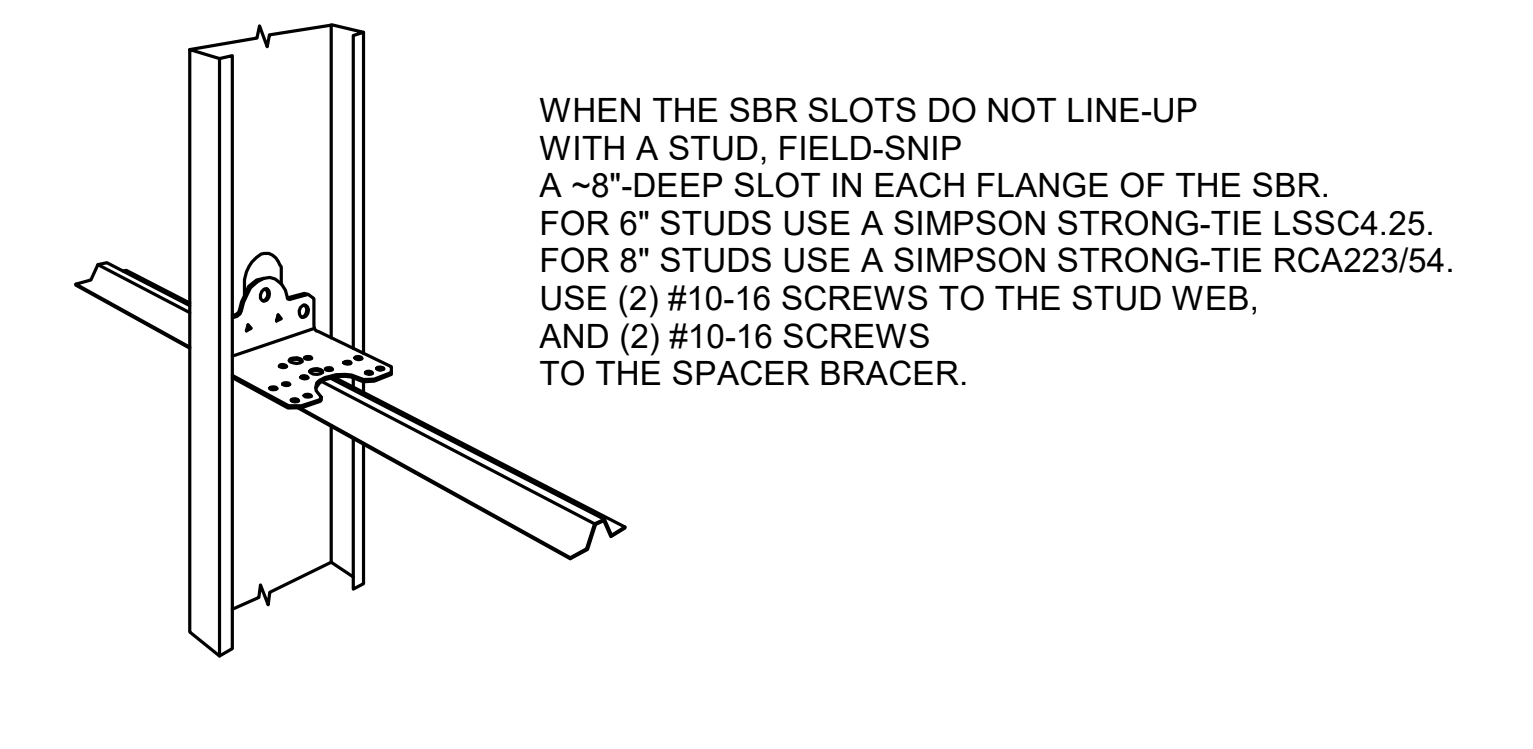
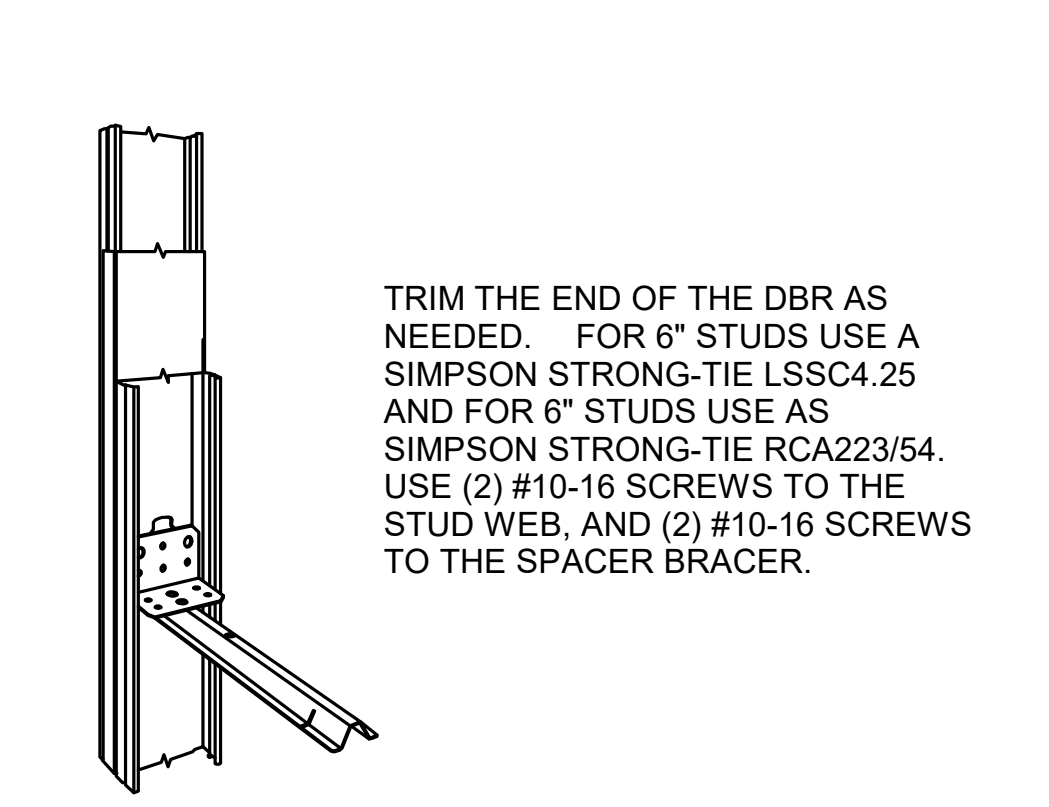
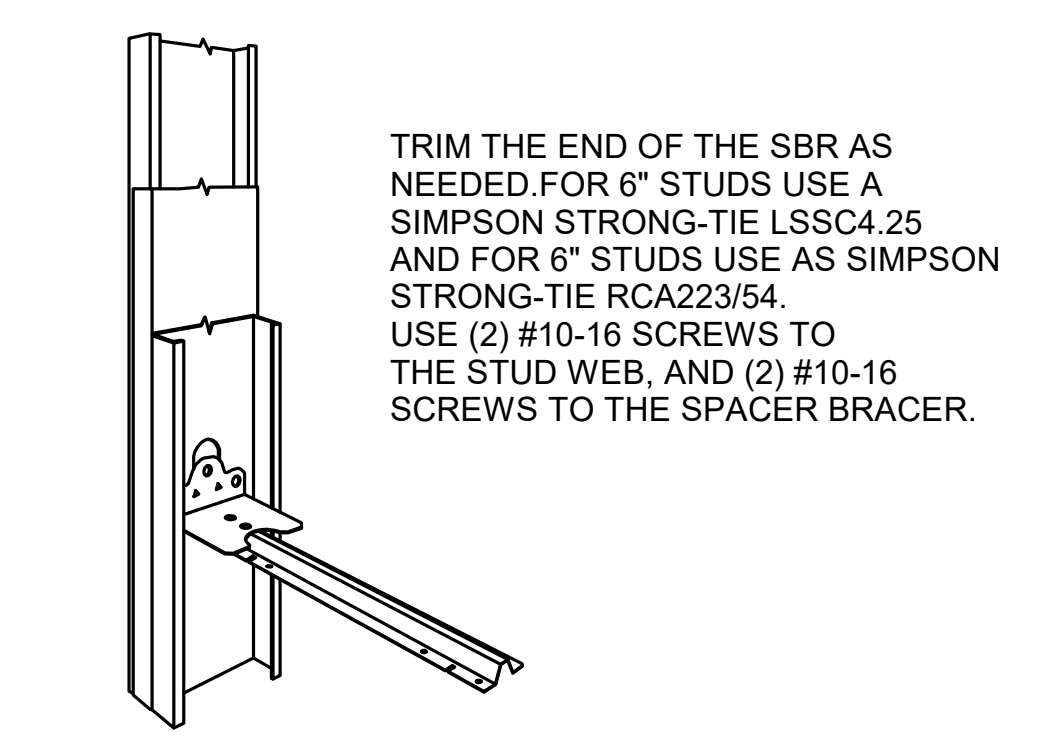
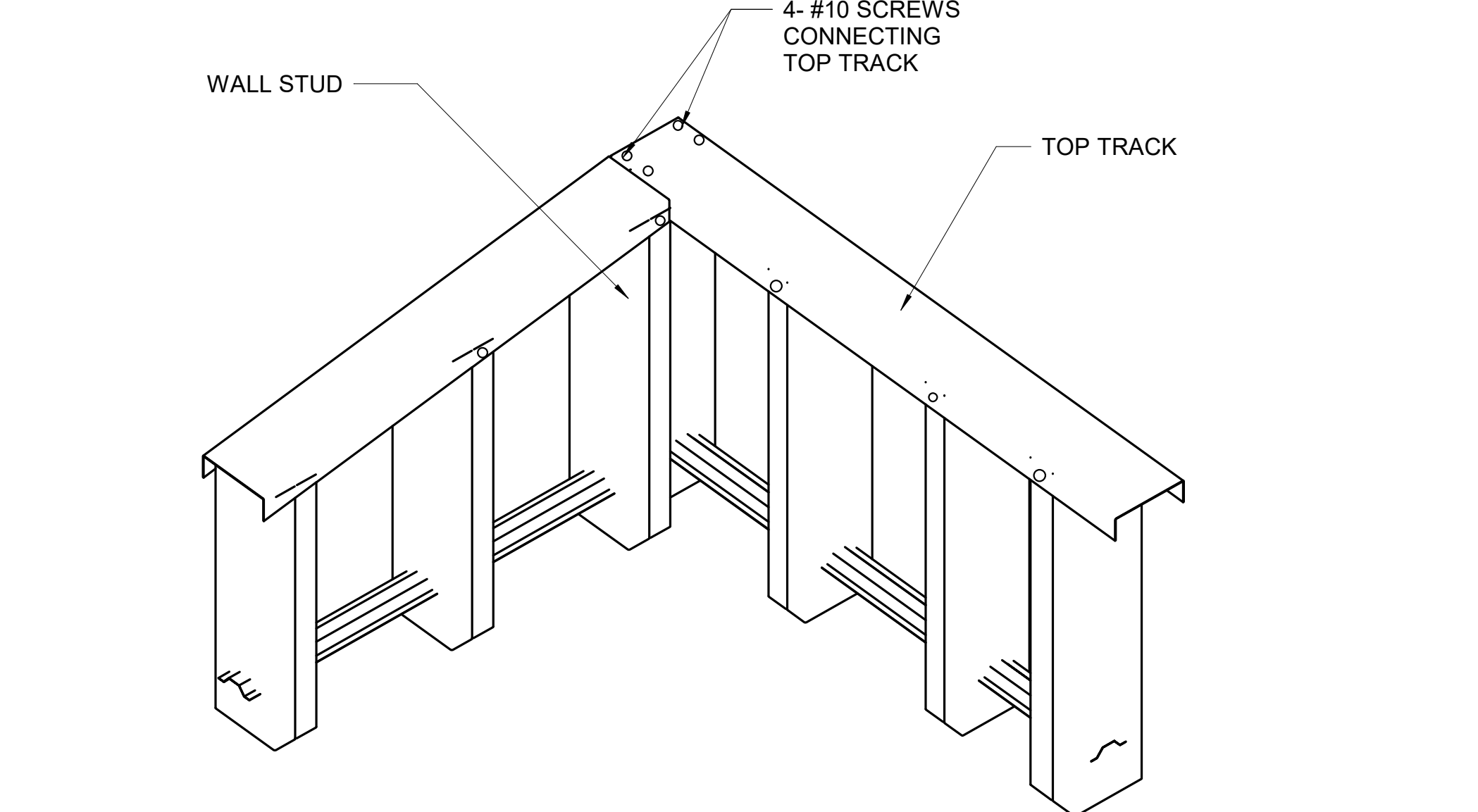
BOX HEADER SCHEDULE		HEADERS WILL BE UNPUNCHED
HDR	(2) 800-S-250-54	
HDR3	(2) 600-S-200-43 + (2) 600-T-200-43	
HDR4	(2) 800-S-250-68 + (2) 800-T-200-54	
HD3	(2) 800-S-250-68 + (2) 800-T-200-54	



COLUMN SCHEDULE	
C3	(2) 800-S-250-68



WALL STUDS SCHEDULE		PUNCHED STUDS
S1	800-S-200-33 (33 KSI)	
S2	800-S-250-54 (50 KSI)	
S3	800-S-250-54 (33 KSI)	
S4	(2) 800-S-250-68 BOXED (50 KSI)	
S5	600-S-250-54 (33 KSI)	
S6	600-S-250-68 (50 KSI)	

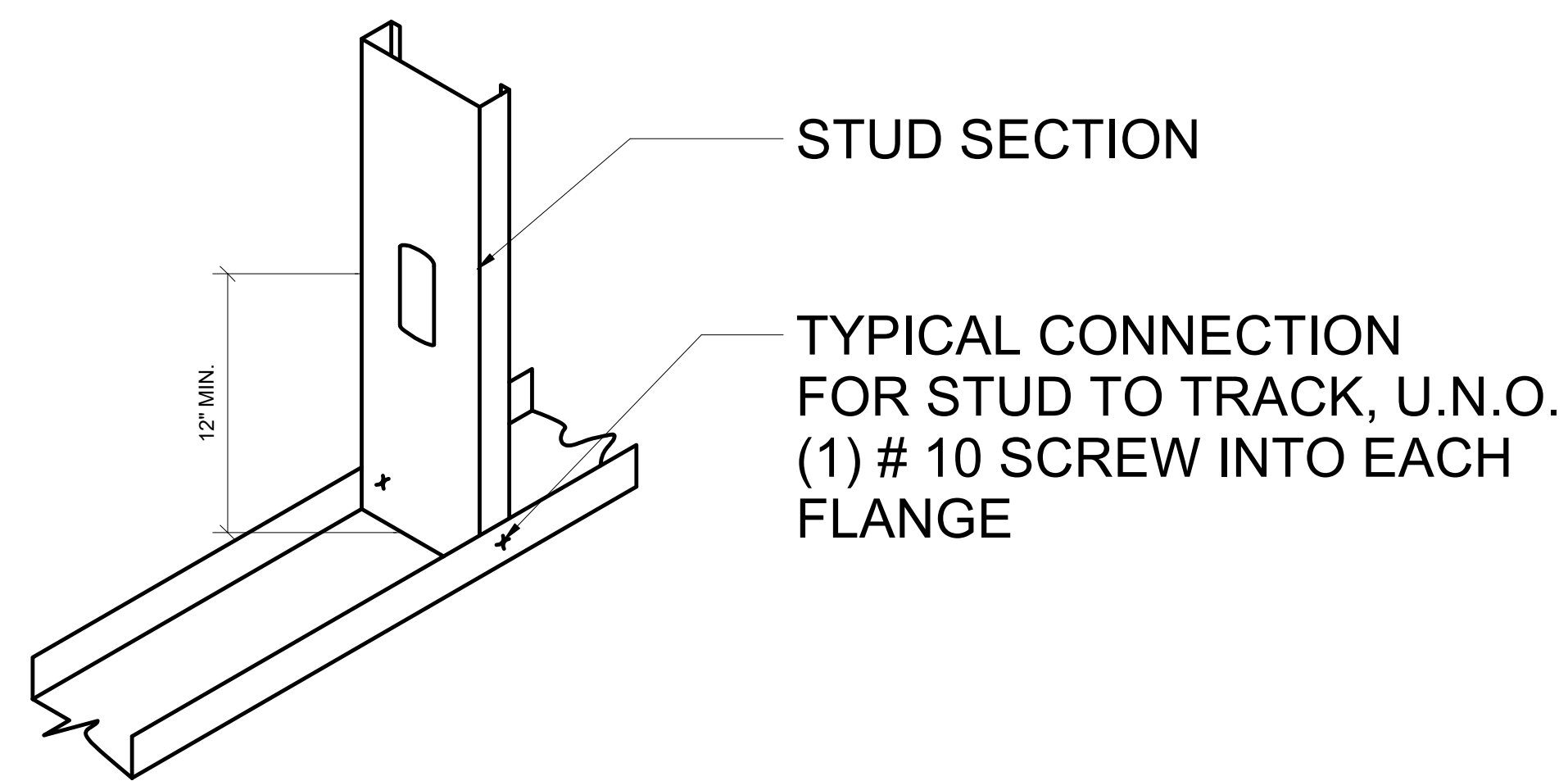
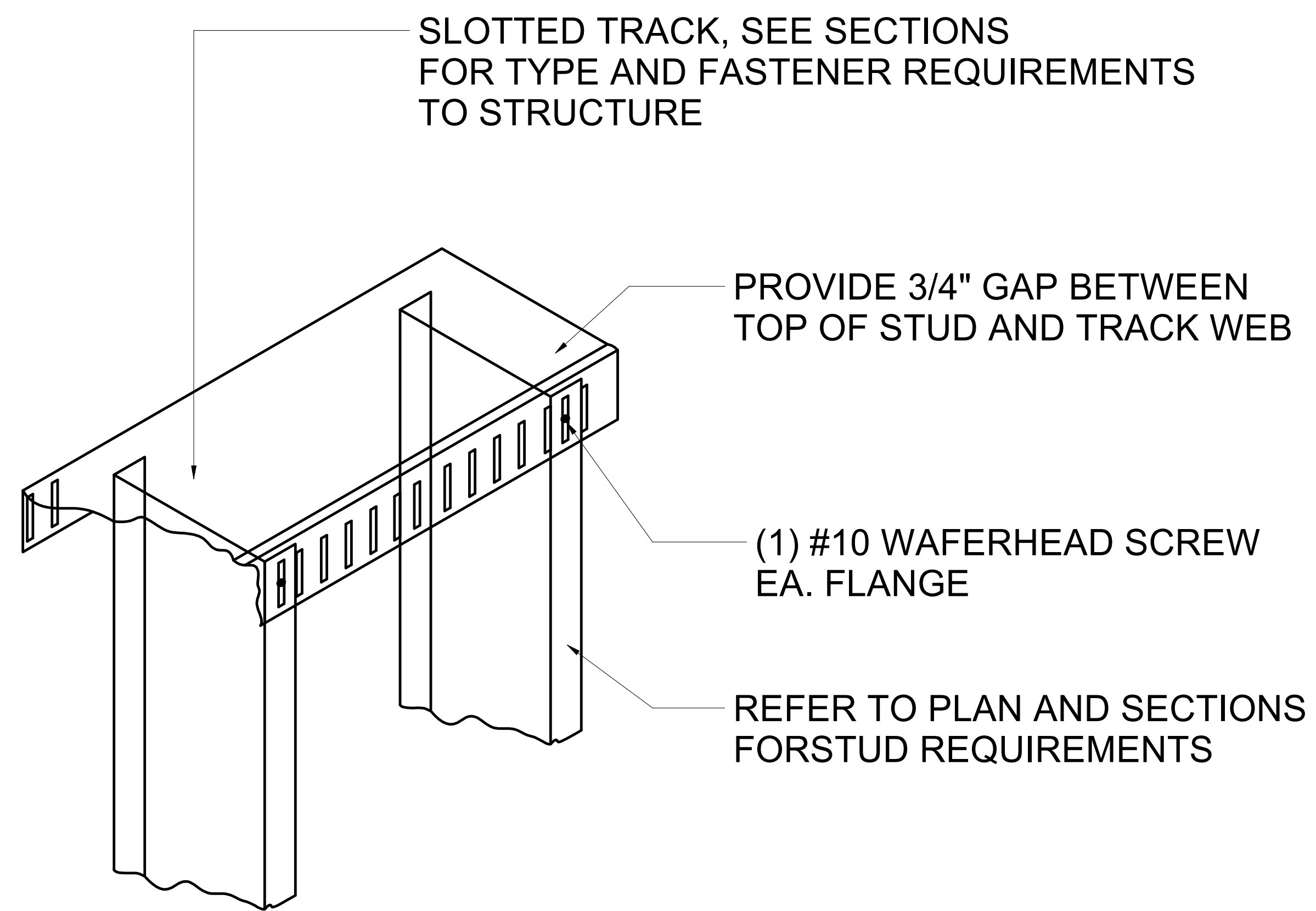


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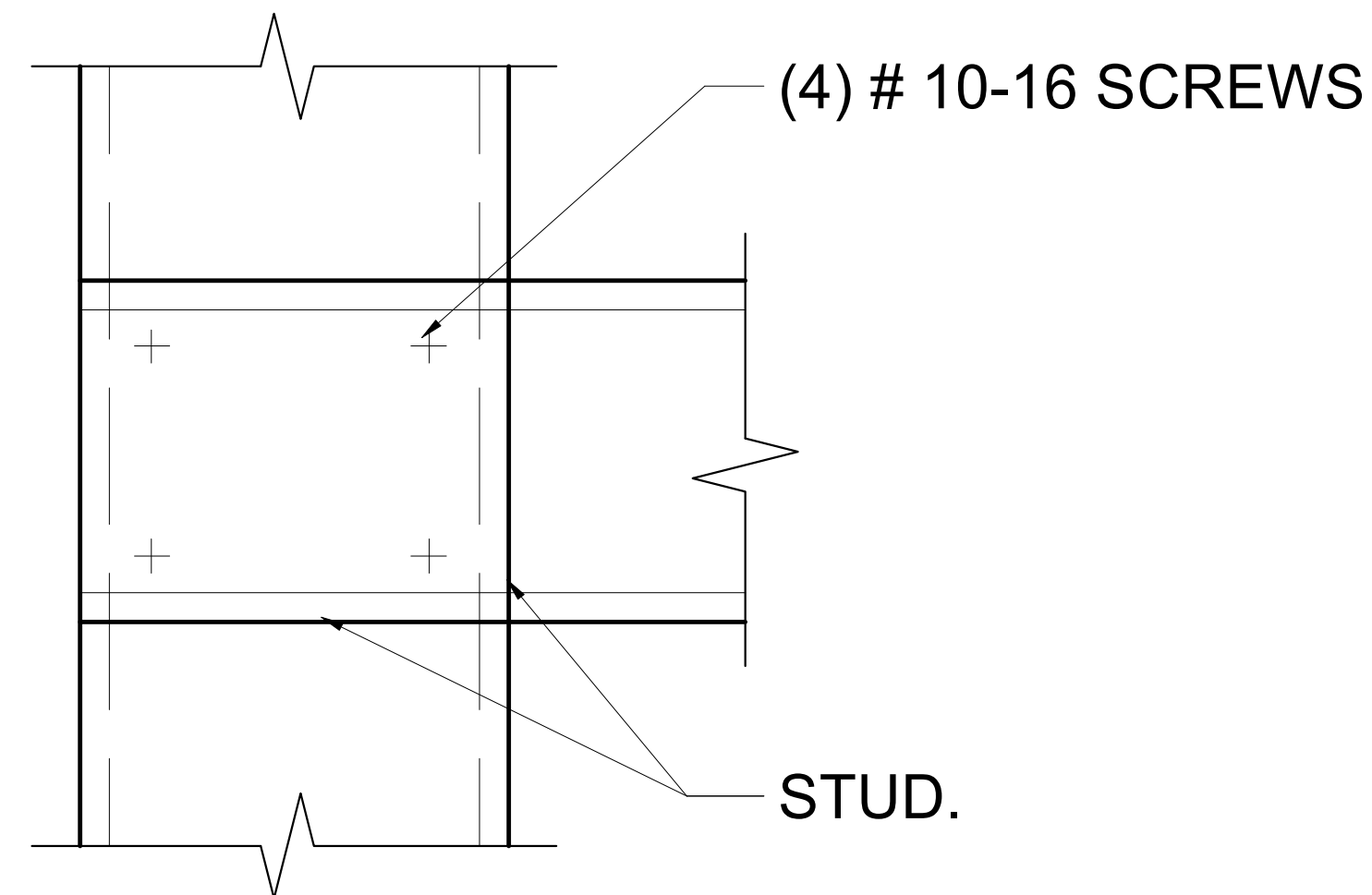
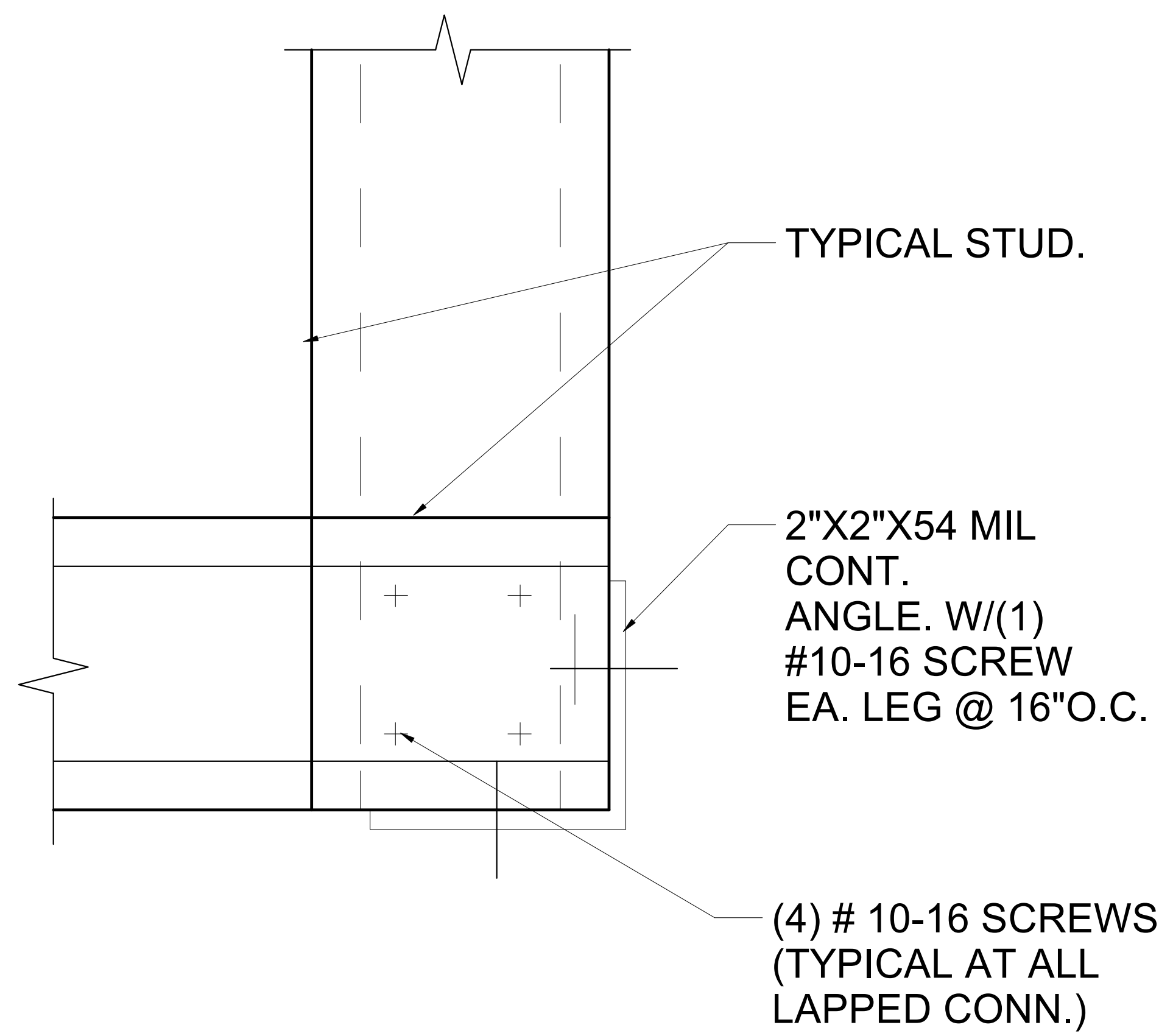
TYPICAL DETAILS	
PROJECT NUMBER SIM-61	SD-600
DATE 06-23-2023	
Drawn by N/S/SS/T	SCALE-As indicated
Checked by AP	

PLOT CREATED: 06-23-2023



A SLOTTED SLIP TRACK
1" = 1'-0"

B STUD TO TRACK
1" = 1'-0"



C TYPICAL @ LAPPED CONN.'s (U.N.O.)
1" = 1'-0"

REVISION SCHEDULE		
NUMBER	DESCRIPTION	DATE
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E	FOR APPROVAL	02-11-2023
F	FOR APPROVAL	06-23-2023

TYPICAL DETAILS

PROJECT NUMBER SIM-61

DATE 06-23-2023

Drawn by N/S/SS/T

Checked by AP

SD-601

SCALE- 1" = 1'-0"

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SIMSONA CORP.

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Rockville, MD 20850

Phone : 301-408-8553

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