

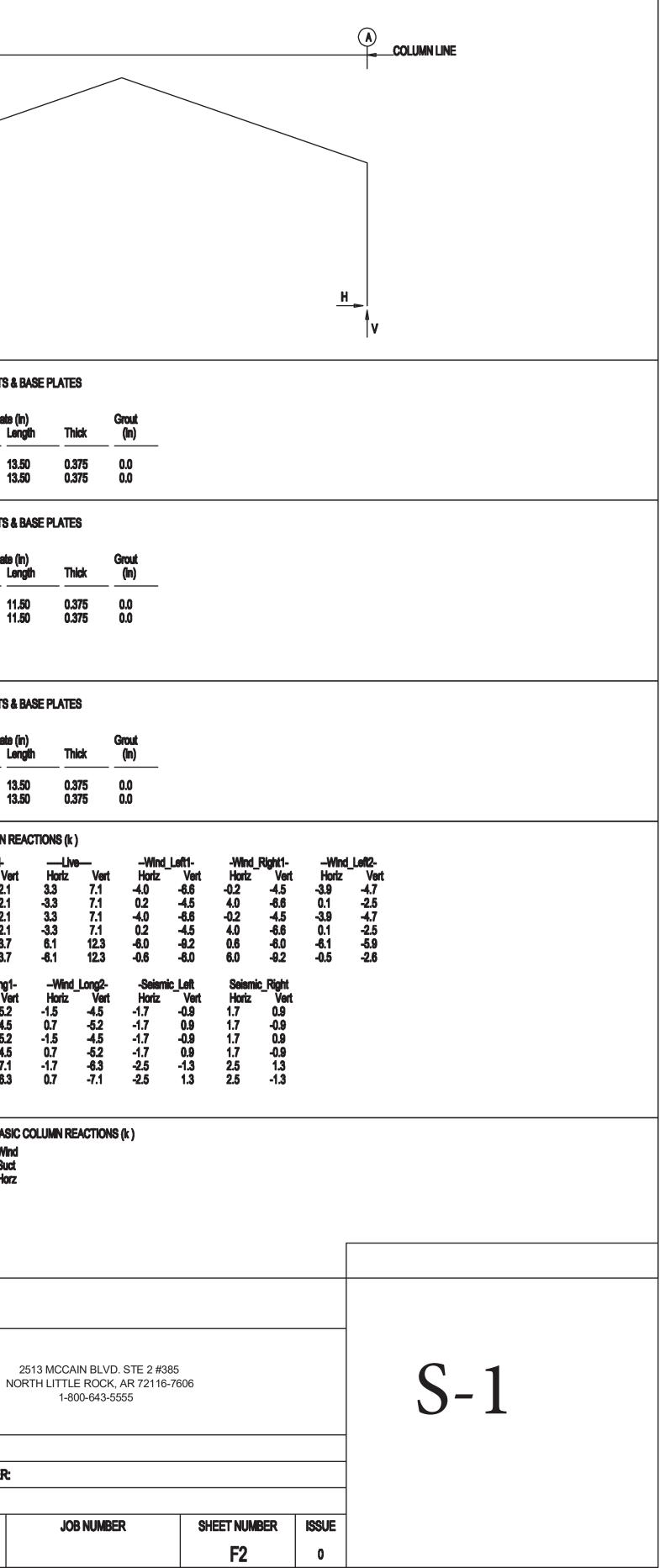
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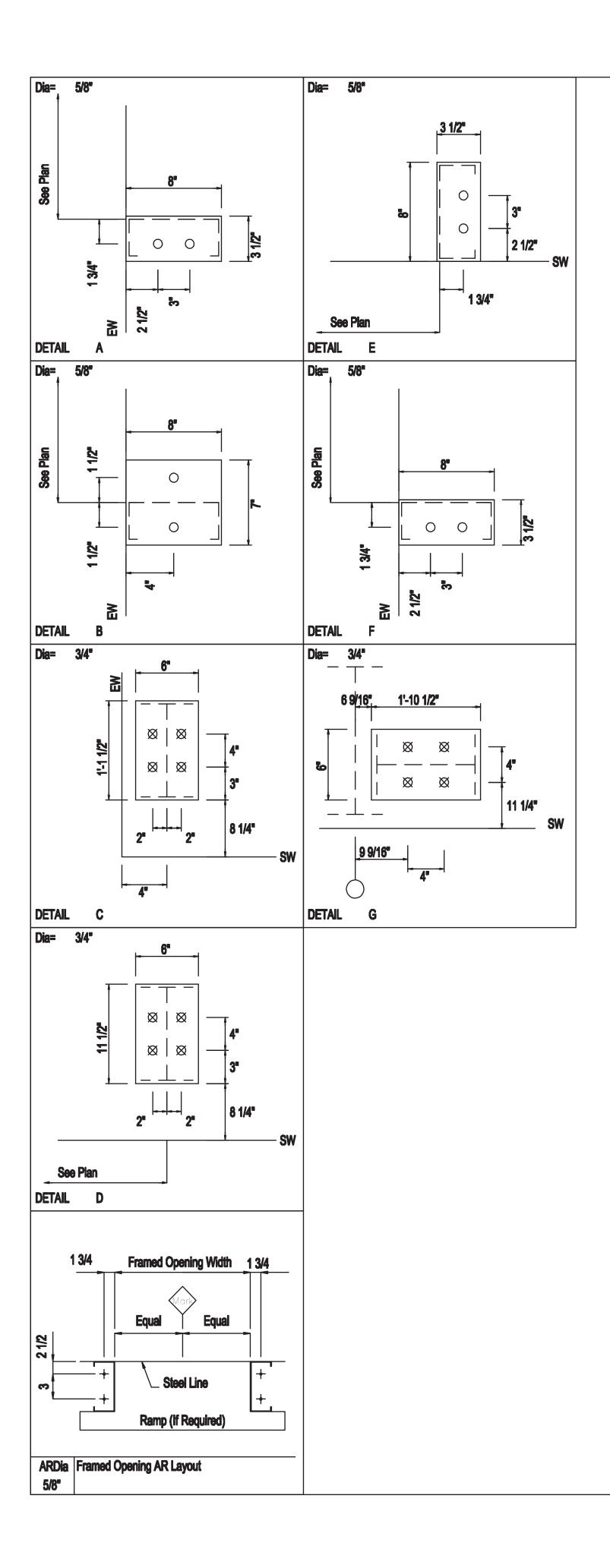
GENERAL NOTES	
 1) THE REACTIONS PROVIDED ARE BASED ON THE ORDER DOCUMENTS AT THE TIME OF MAILING. ANY CHANGES TO BULLONG LOADS ON DIMENSIONED RAVE BEEN CREATED WITH THE FULCIONING. LAYOUT (UNLESS NOTHED OTHERWISE). 2) THE REACTIONS PROVIDED HAVE BEEN CREATED WITH THE FULCIONING LAYOUT (UNLESS NOTHED OTHERWISE). 2) READ THE REACTIONS ARE INCLUDED IN YAREACTION TABLE IS PROVIDED WITH REACTIONS FOR EACH LOAD GROUP 9 RIGD FRAILS 9. 19 SEE MOTE 3. 2) SEE MOTE 3. 2) SEE MOTE 3. 3) SEE MOTE 3. 3) SEE MOTE 3. 4) SEE MOTE 3. 5) SEE MOTE 3. 6) SEE AND USE SABED BULLING CODES, WHEN ARRACING REACTIONS ARE INCLUDED IN YARES SHOWN IN THE REACTION TABLES AS NOTED IN THE BRACING REACTIONS TABLE. 6) FOR BC AND USE SABED BULLING CODES, WHEN ARRACING REACTIONS ARE INCLUDED THE AMPLIFCTION ARE TOR ONLY AND THE SIDE STATE. 6) FOR BC AND USE SABED BULLING CODES, WHEN ARRACING IS PRESENT IN THE ENDIVALL, INDIVIDUAL TRANSVERSE SEISME LOADS DO NOT INCLUDE THE AMPLIFCTION FACTOR, OMEGAD. 7) FOR BC AND USE SABED BULLING CODES, WHEN ARE AND THE TRANSVERSE SEISME COMES AND THE AND THE AMPLIFCTION ARE TOR ON THE AND THE AND THE AMPLIFCTION FACTOR, OMEGAD. 7) FOR BC AND USE ASSED BULLING CODES, WHEN ARE AND THE SIGN. THE METAL BULLING CODES IN PERTAINING TO THE TRANSVERSE COFFORCES BETWEEN TRANSVERSE SEISME LOAD THE AND CONST WILL SEES SEISME LOAD THE AND CONST WILL SEES AND AND THE AND THE AND CONST WILL SEES AND AND THE AND THE AND AND THE AND THE AND AND THE TRANSVERSE COFFORCES TO THE FOUNDATION. THE METAL BULLING SITE: IT IS RECOMMENDED THAT THE AND CONST THE AND THE FOUNDATION EMBLEMENT. THE MED COMORE AND FOUNDATION OF THE DESIGN, MATERIAL, AND CONSTRUCTIONER TO DESIGN AND ARE AND HEAD AND AND THE AND THE FOUNDATION EMBLEMENT. THE AND COMORE AND THE FOUNDATION EMBLEMENT. THE AND THE AND THE FOUNDATION EMBLEMENT. THE AND THE AND THE	
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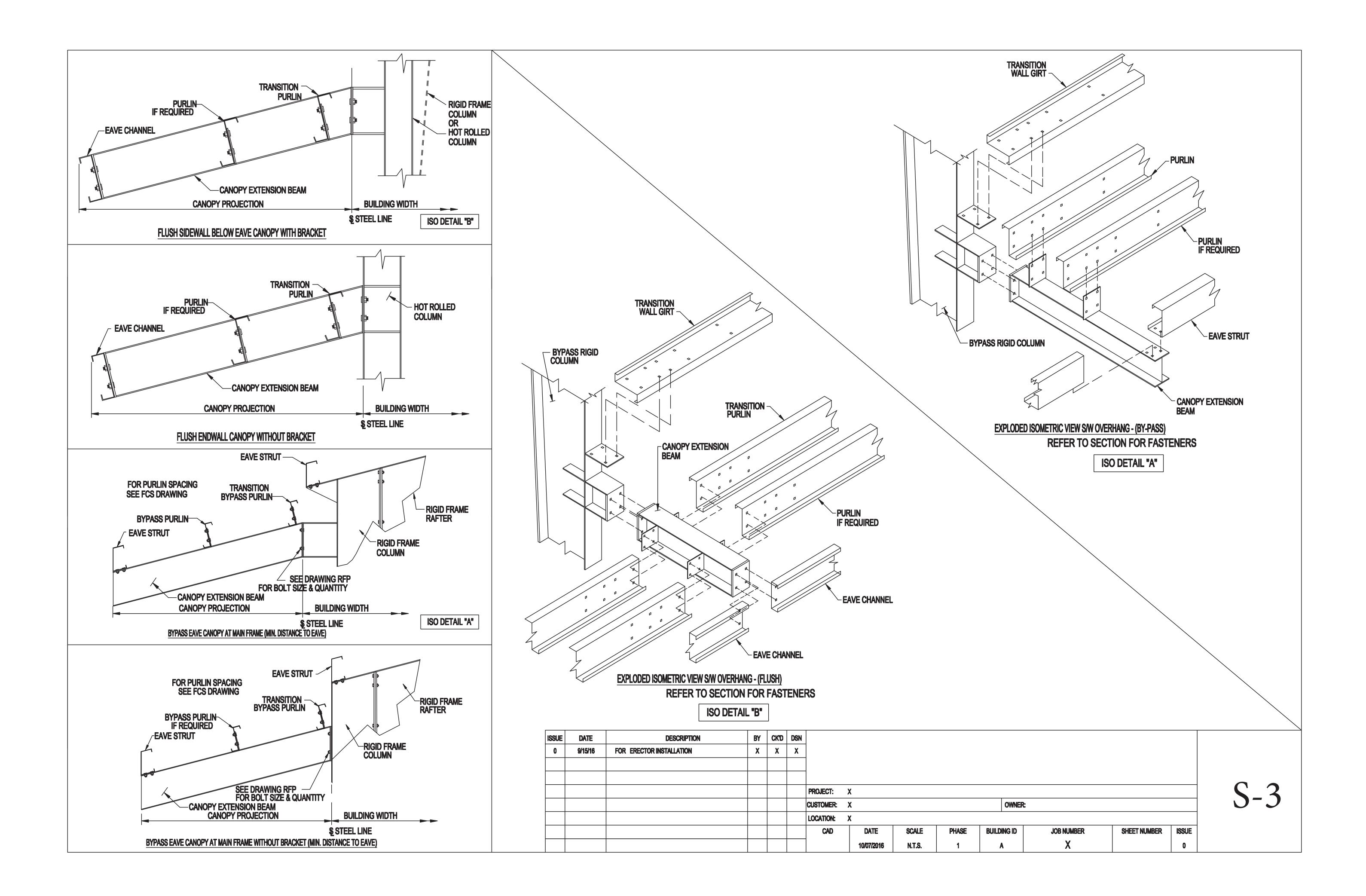


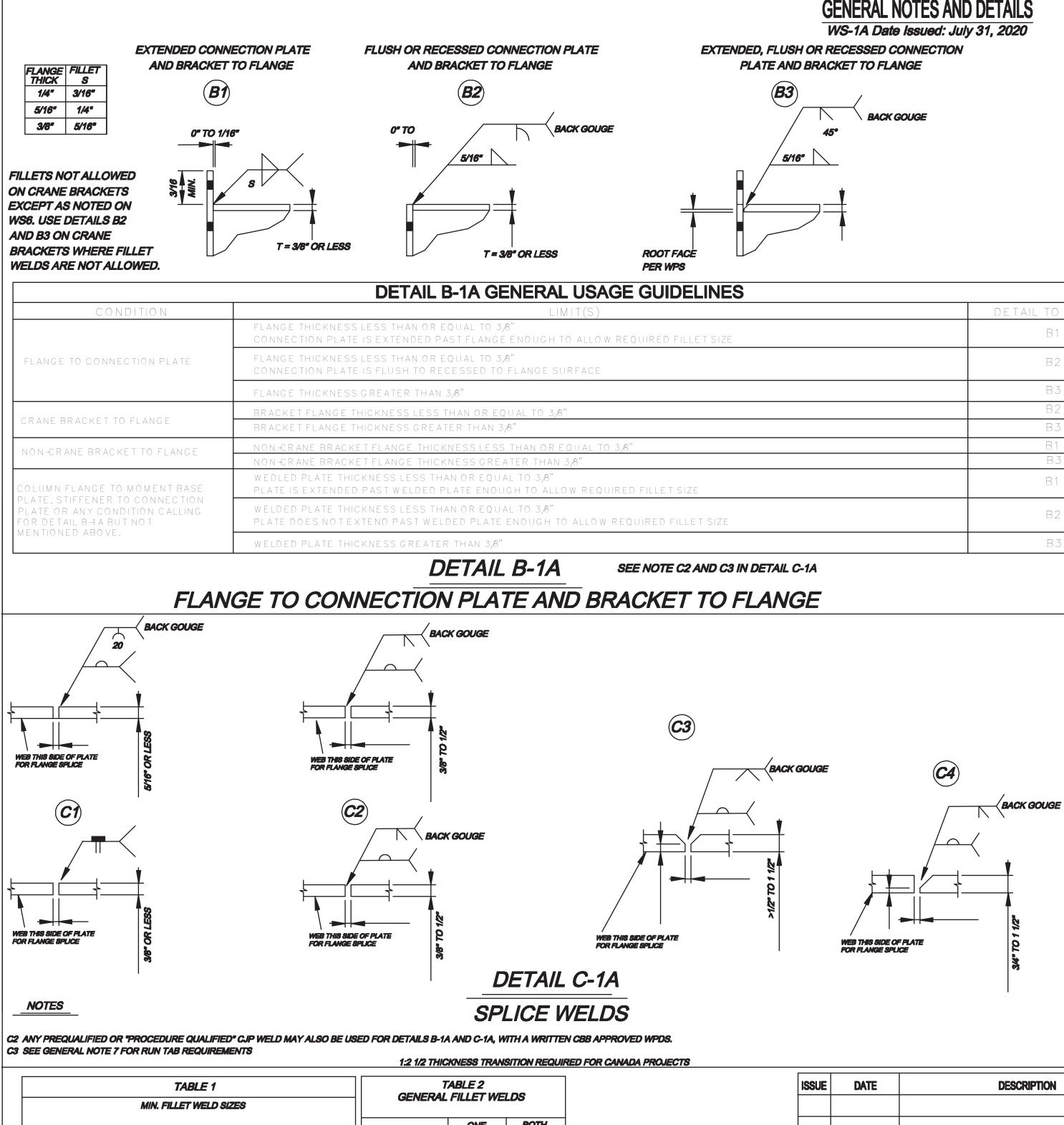


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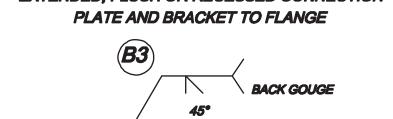
S-2





	M	IN. FILLE	GENERAL	GENERAL FILLET WELDS						
	THINNER PLATE (USUALLY THE WEB)								ONE SIDE	BOTH SIDES
THICKER PLATE	< 1/4"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	THINNER PLATE THICKNESS	FILLET SIZE	FILLET SIZE
UNDER 1/4	3/16"	-	-	-	-	-	-	UNDER 1/4	3/16"	3/16"
1/4"	3/16"	3/16"	-	-	-	I	-	1/4"	1/4"	3/16"
5/16 THRU 1/2	3/16*	3/16"	3/16"	3/16"	3/16"	-	-	5/16"	5/16"	1/4"
5/8 THRU 3/4	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	OVER 5/16	5/16*	5/16"
OVER 3/4	3/16"	1/4"	5/16"	5/16"	5/1 6 *	5/16	5/1 6 "		ļ • • •	

GENERAL NOTES AND DETAILS



	DETAIL TO USE
IRED FILLET SIZE	B1
	Β2
	B3
	Β2
	Β3
	B1
	В3
ILLET SIZE	B1
RED FILLET SIZE	Β2
	В3



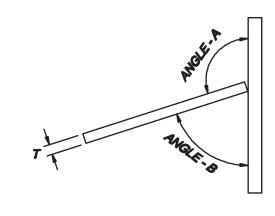
- 3. FILLET WELD SIZE IS NO GREATER THAN THE SHORTEST LEG SIZE.
- 4. FOLLOW APPROPRIATE WELDING PROCEDURE SPECIFICATIONS FOR ALL WELDS, 5. ALL CLIPS SHOULD BE WELDED AT 90-DEG TO THEIR SUPPORTING SURFACE UNLESS OTHERWISE NOTED IN THESE DRAWINGS OR THE
- PROJECT SHOP DRAWINGS. 6. SC2 AND SC280 FLANGE BRACE CLIPS SHOULD BE ALIGNED WITH THE PURLIN/GIRT CLIP ABOVE. REFER TO DETAIL ON SHEET WS-5.
- REFER TO DETAIL ON SHEET WS-5. 7. WELD RUN-TABS (RUN-ON AND RUN-OFF) SHALL BE USED ON ALL CJP CONNECTIONS, EXCEPT WHERE JOINT GEOMETRY AND/OR INTERFERENCE PREVENT THE PLACEMENT OF A WELD TAB. THIS SHALL BE DONE BY USE OF WELD TABS ALIGNED IN SUCH A MANNER TO PROVIDE AN EXTENSION OF THE JOINT PREPARATION FOR PURPOSE OF WELD ENDING AT OR THE INSIDE CORNER OF THE STIFFENED MEMBER OR A CLIP NEAR BE TERMINATED ON A WELD TAB. WELD RUN-TABS SHALL BE REMOVED UPON CON SHALL BE FINISHED SO AS NOT TO REDUCE THE WIDTH BEYOND THE DETAILED WI IS THE GREATER, BY MORE THAN 1/8".

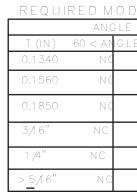
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FILLET INCREASE AT S

THE FOLLOWING TABLES PROVIDE THE REQUIRED MODIFICATION TO THE GEOMETRY.

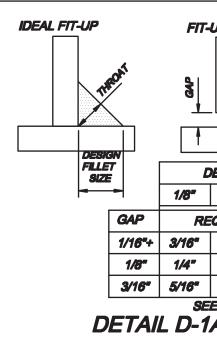
NC - INDICATES THAT NO CHANGE TO THE REQUESTED/REQUIRED FILLET CJP - INDICATES THE REQUESTED/REQUIRED FILLET WELD MUST BE REPL +1/16 - INDICATES THE REQUESTED/REQUIRED FILLET WELD LEG SIZE MUS +1/8 - INDICATES THE REQUESTED/REQUIRED FILLET WELD LEG SIZE MUST +3/16 - INDICATES THE REQUESTED/REQUIRED FILLET WELD LEG SIZE MUS GENERAL NOTE 2 IS IN ADDITION TO ANY INCREASE SHOWN IN THE TABLES WHEN THE FILLET SIZE MUST BE INCREASED THE FINAL FILLET WELD SIZE SIZE EXCEEDS 3/8" THEN USE CJP.





REQUIRED MODIFICATION TO FILLET

						ANGLE-A (
T (IN) 90	< ANG I	LE-A < 96 96 < ANGLI	E −A < <u>1</u> 06	106 < ANGLE - A < 1	19 11 <u>9</u> <.	ANGLE-A<1
0.1340	NC	+ 1 /1 6	+ 1 /8	+ 1 ,8	+ 3/16	CJP
0.1560	NC	+ 1 / 6	+ 1 /8	+ 1 /8	+3/6	CJP
0.1850	NC	+ 1 / 6	+ 3/16	+ 3 / 6	+ 3/16	CJP
3/16"	NC	+ 1 /1 6	+ 3/16	+ 3/16	+ 3/16	CJP
1 /4"	NC	+ 1 /8	+ 3/16	+ 3/16	C JP	CJP
5/16"	NC	+ 1 /8	+ 3/16	CJP	C JP	CJP
3/8" +	1/16	+ 1 /8	+ 3/16	CJP	CJP	CJP
1 /2" +	1/16	+ 3/16	+ 3/16	CJP	C JP	CJP
> 5/8" -	1 /8	+ 3/16	CJP	C JP	C JP	CJP

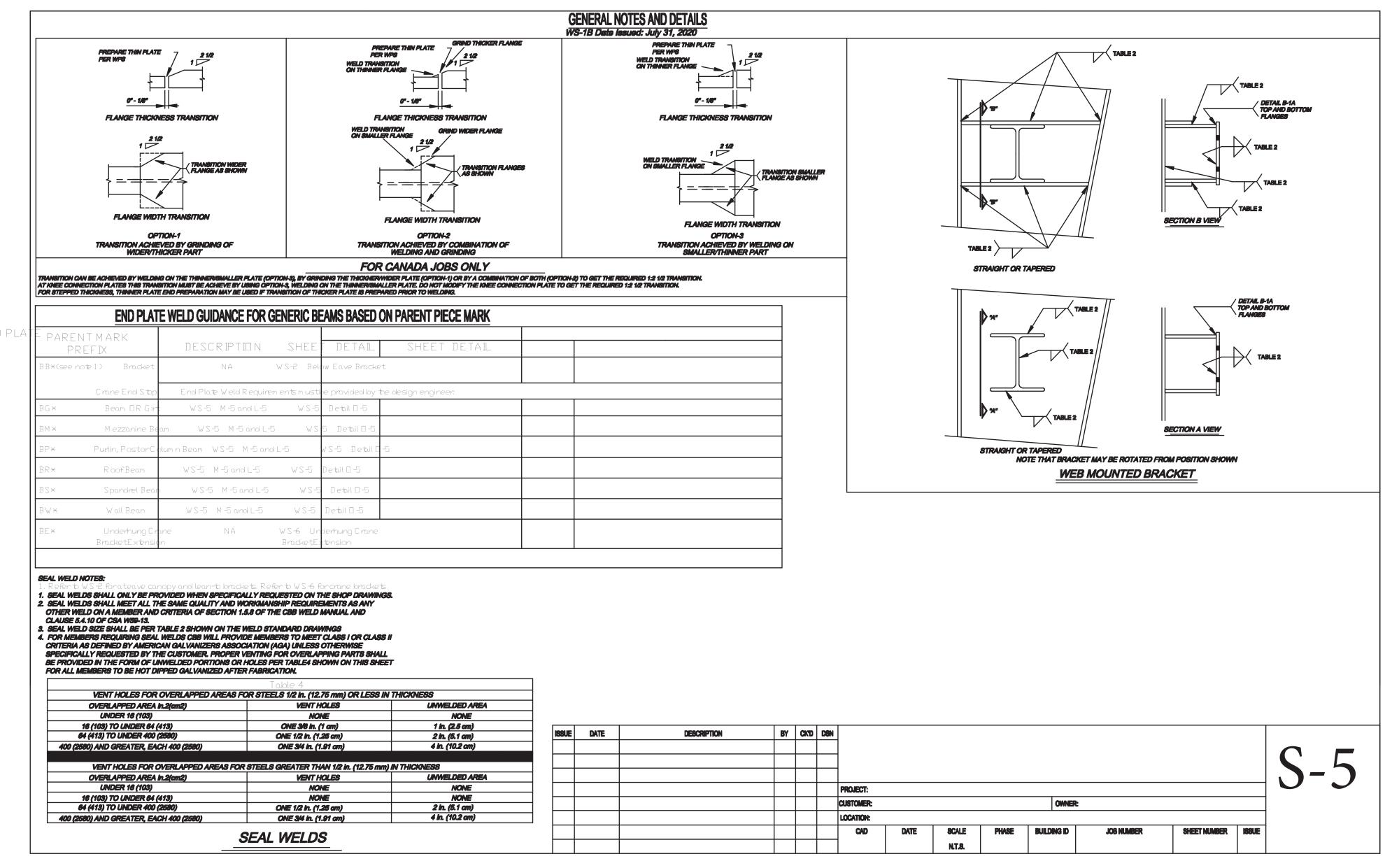


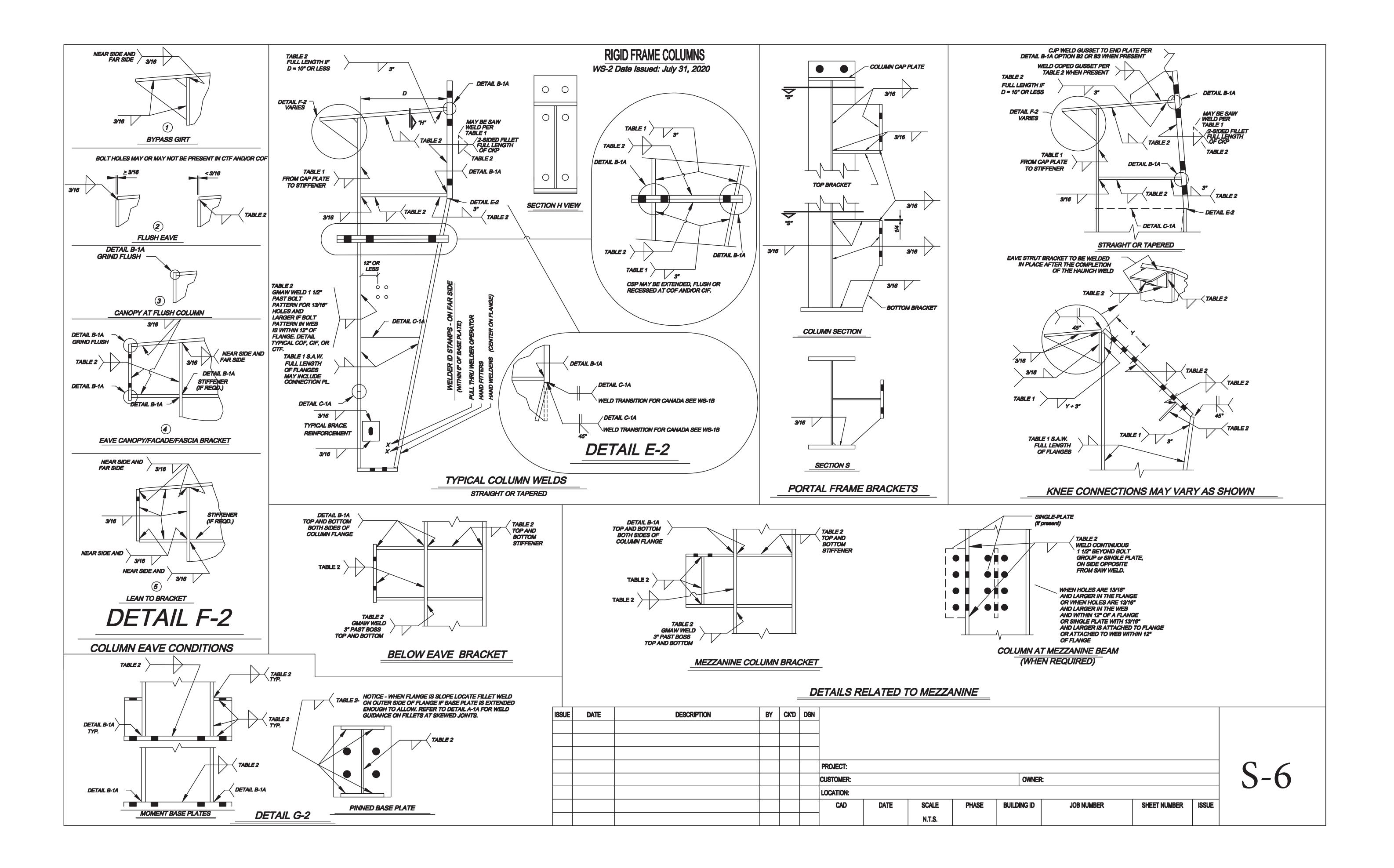
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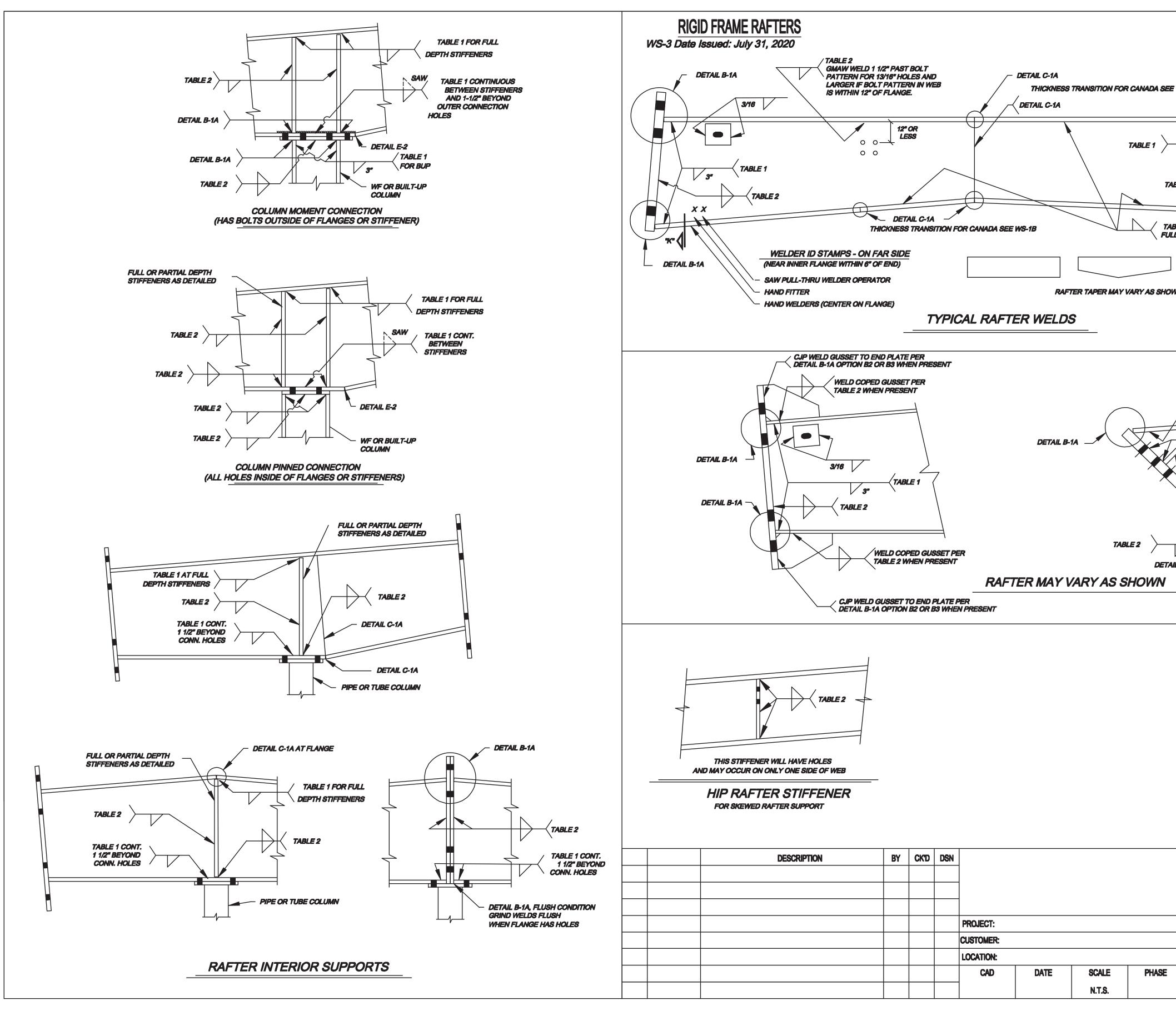
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THAT CORNER AR	AND TERMINATION. STIFI E EXAMPLES OF WELDS JOINT. ENDS OF WELDEL IAL WIDTH FURNISHED, \	THAT CANNOT D BUT JOINTS			
IL A-1A	ELD JOINTS				
	IRED FILLET WELD BASE	ED ON THE JOINT			
IT BE INCREASE BY IST BE INCREASE B ES BELOW.		ED JOINT. WED JOINT.			
	FILLET WELD ON AN	gle-B side of	PLATE		
E −B (DEGREES) E −B < 90 45 < ANG + 1 / 6	LE-B < 60 30 < ANGLE-H	3 < 45	- <u>-</u>		
+ 1 / 6	C JP				
+ 1 / 6	C JP C JP			_	
+ 1 /1 6	CJP				
+1/16	CJF				
	e -a side of plate				1
< 125 125 < ANG <u>L</u> E ·	-A < 135 ANGLE -A > 135	_		_	
P					
JP P					
>					
					1
EQUIRED FILLET SIZ 1/4" 5/16" 5/16" 3/8" 3/8" 7/16" -	5/16"				
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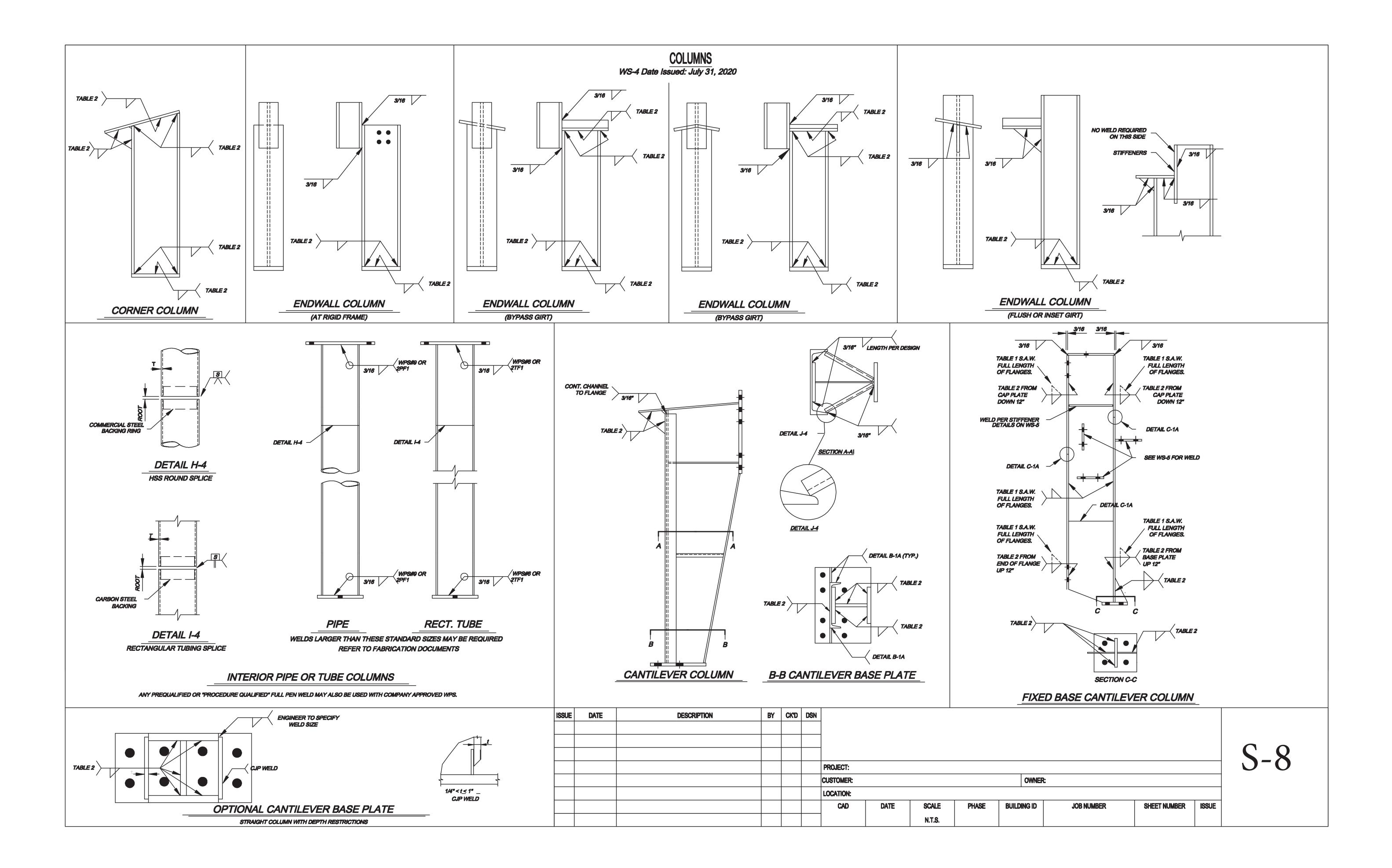
PARTIAL DEPTH END PLATE FULL DEPTH END PLATE PARENT MARK

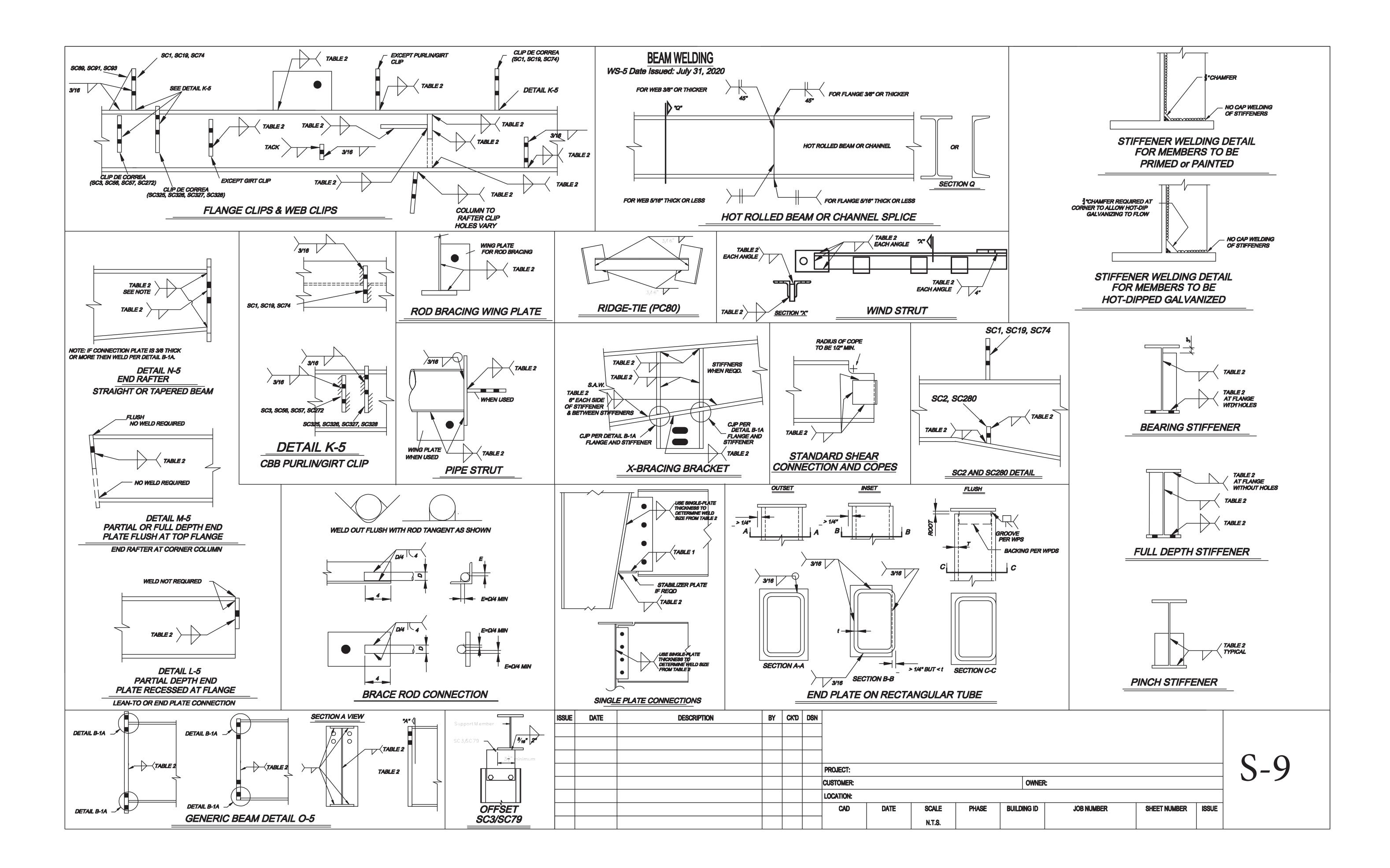


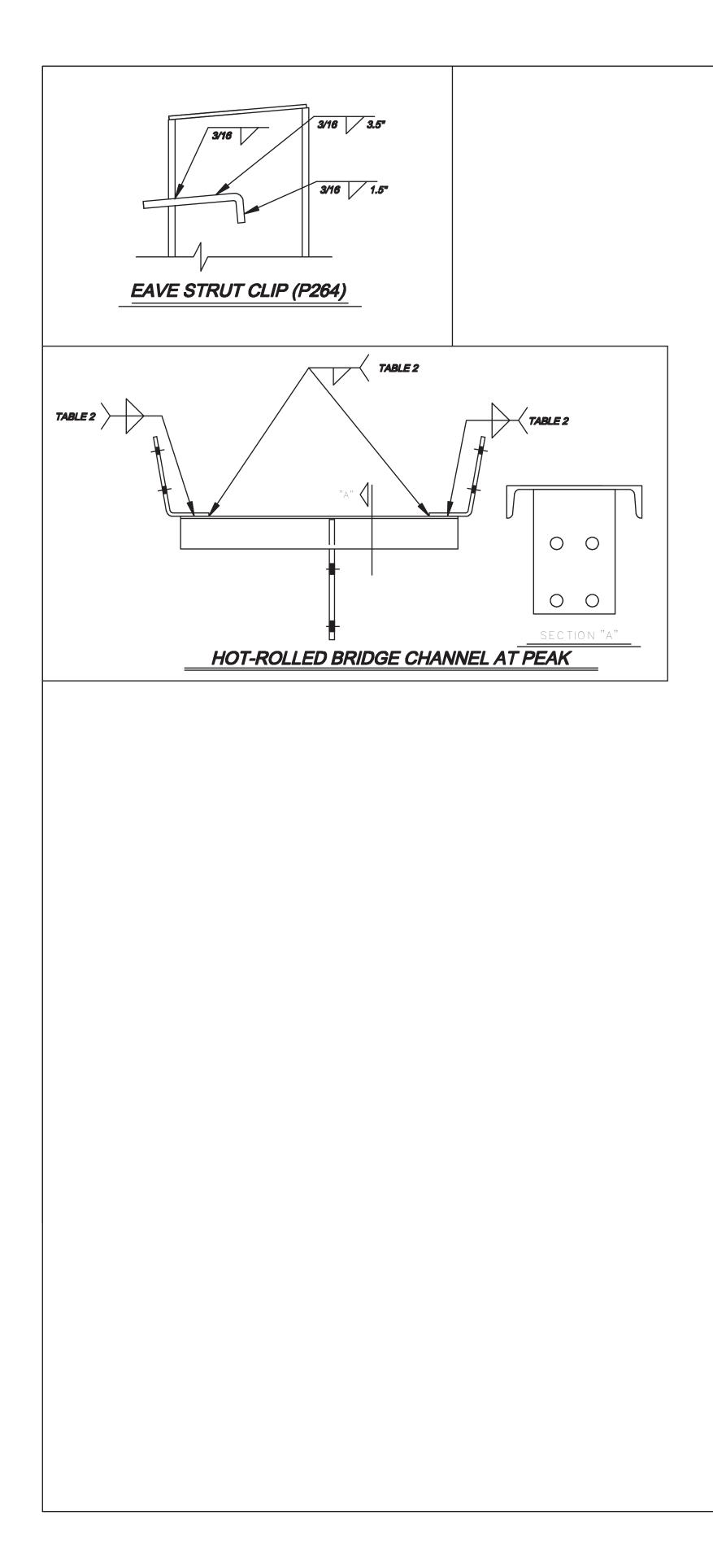




BLE	2-1B 3" 2 1, S.A.W. ENGTH	DETAIL B-1A	-1 A				
	3"	TABLE 1	3/16 3/16 TABLE 2 (TABLE 1				
	OWNE BUILDING ID	R: JOB NUMBER	RS	HEET NUMBER	ISSUE	S-	.7



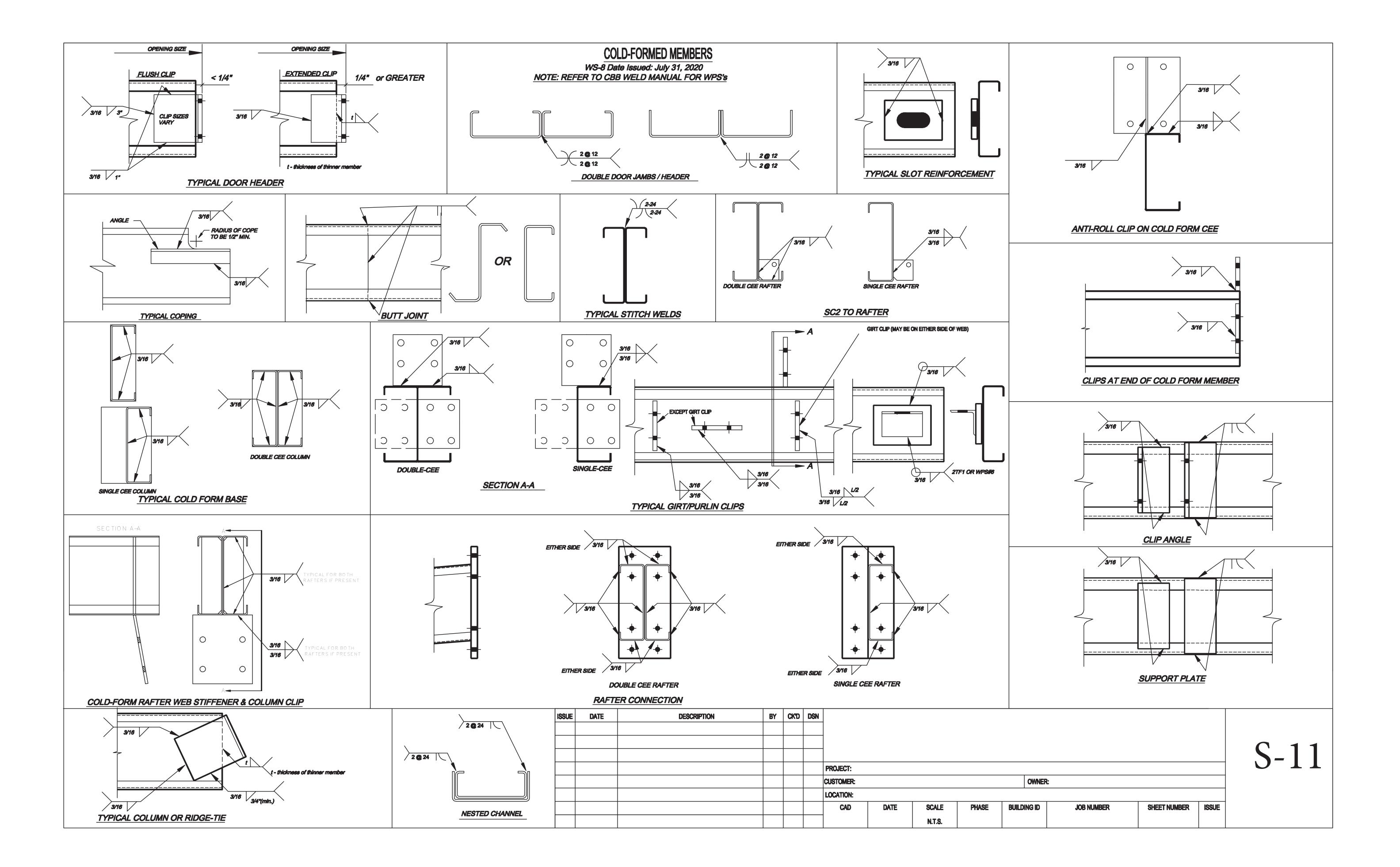


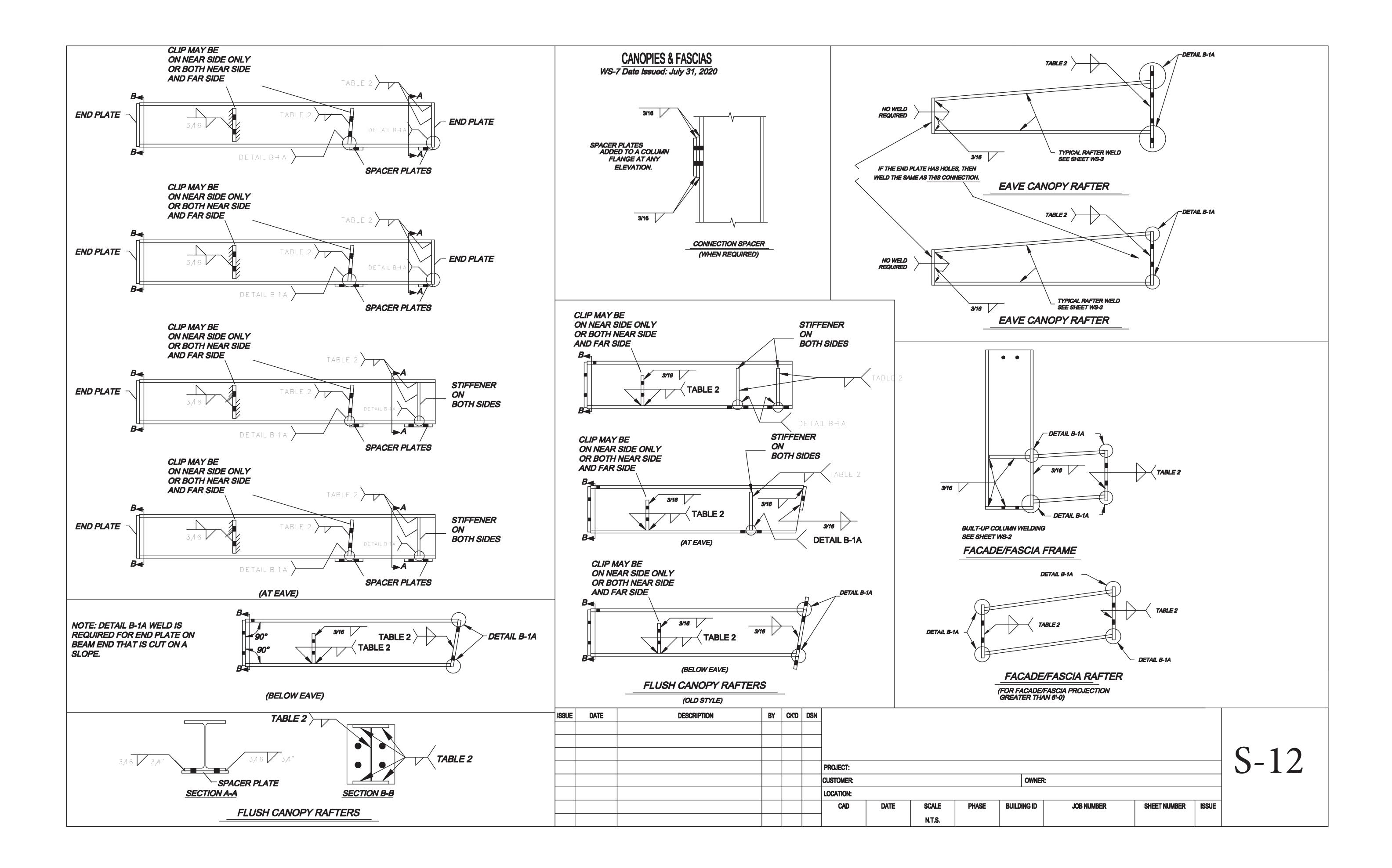


BEAM WELDING-2 WS-5A Date Issued: July 31, 2020

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WSHA – General Notes and Details General Notes Detail AHA (Fillet Increase at Skewed Weld Joints) Detail BHA (Flange to Connection Plate, Bracket to Flange, Stiffener to Flan Detail CHA (Splice Welds) Detail DHA (Fillet Increase due to fit+up) Fillet Weld Tables (Table 1, Table 2, Table 3)
WS-1B-General Notes and Details (continued) Canadian Job plate thickness /width transition requirements Generic Beam end plate guidance table Seal Weld Notes Web Mounted Bracket
WS-2 - Rigid Frame Columns Typical Column Welds Portal Frame Brackets Column Eave Condition Details (Detail F-2) Varying Knee Connection Details Base Plate Details (Detail G-2) Below Eave Bracket Mezzanine Bracket Detail Column Welds at Mezzanine Beam Attachment
WS-3-Rigid Frame Rafters Typical Rafter Welds Varying End Plate Connection Details Hip Rafter Stiffener Rafter Welds at interior column connections
WS-4 – ColumnS Corner Column Cap plate and base plate welds Endwall Column Cap plate, column extension and base plate welds Interior HSS Pipe/Tube weld details Optional Cantilever Base plate weld detail Cantilever Column with Cap Channel detail Fixed Base Cantilever Column detail
WS-5-Beams General flange and web clip Hot Rolled Beam/Channel Splice Beam End Plate weld details (L-5, M-5, N-5) Generic Beam end plate detail (O-5) Standard Purlin/Girt Clip weld detail (K-5) Brace Rod welding for clevis attachment General stiffener weld details Wing Plate weld to rafter and pipe strut Single Plate Connections HSS Tube end plate welds Wind Strut

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ge as specified)

WS-5A-Beams-2 Eave Strut Clip (P264) Hot-Rolled Bridge Channel at Peak

WS-6-Cranes

Standard /Non-Standard Seated Crane Brackets Hanging Bracket to rafter Underhung Bracket Extension Hammer-Head (Stepped) Crane Column Crane Beam Cap Channel Crane Beam Clips Crane SupportColumn Crane SupportColumn Bracket Crane Beam Stiffener

WS-7-Canopies/Facades/Parapets

WS-8-Cold-Formed Members Door Header Clip attachment Double Jamb/Header SlotReinforcement Various Clip to cold-formed member welds

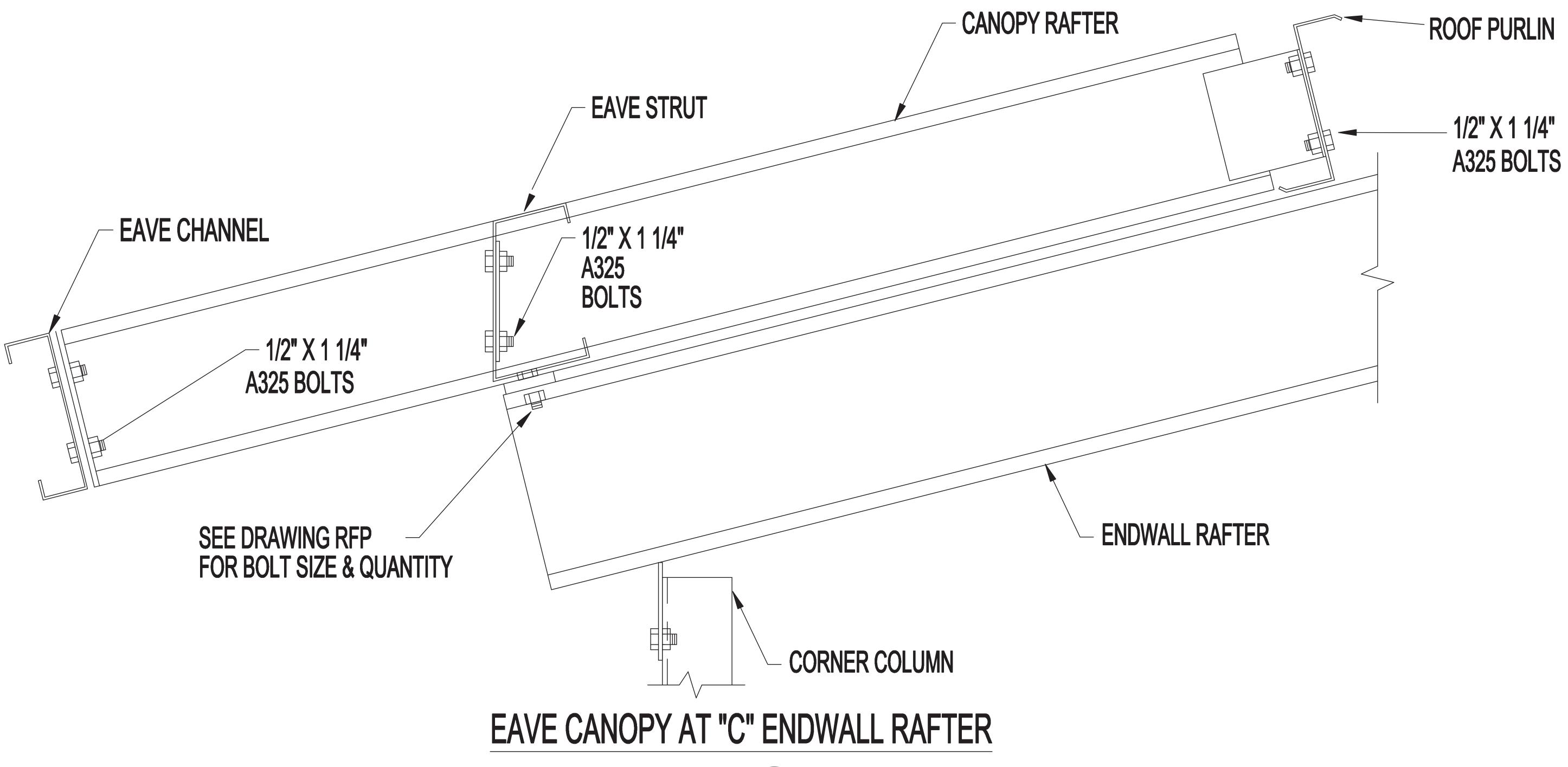
WS-9-Long Bay Purlins

WS-10 -Long Bay Purlins (continued)

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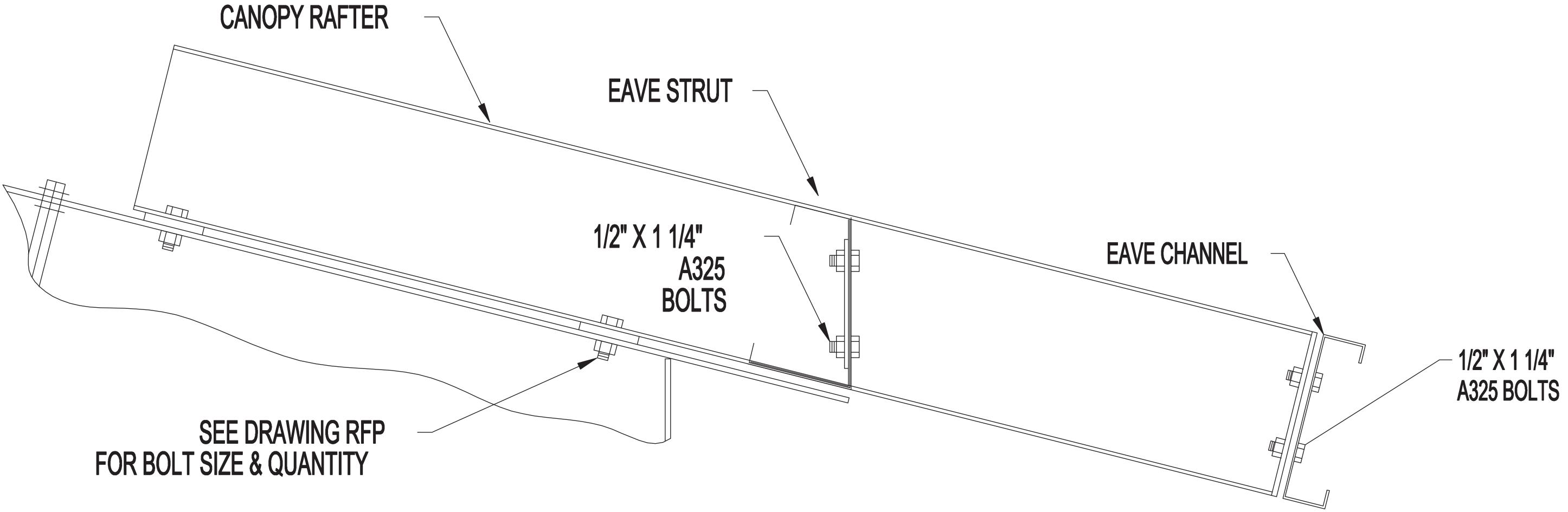
				S
OWNER	t			
BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE	

-13





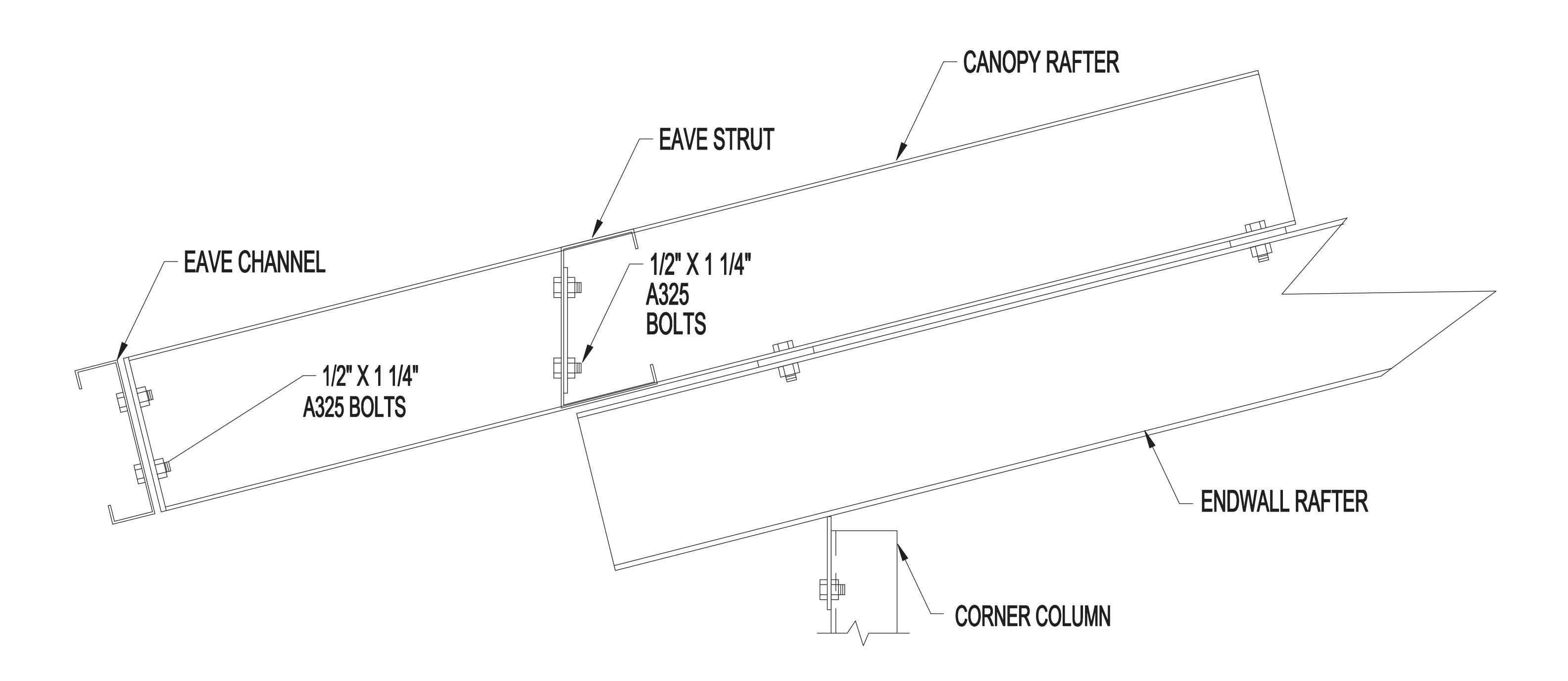
S-14



EAVE CANOPY AT MAIN FRAME



S-15

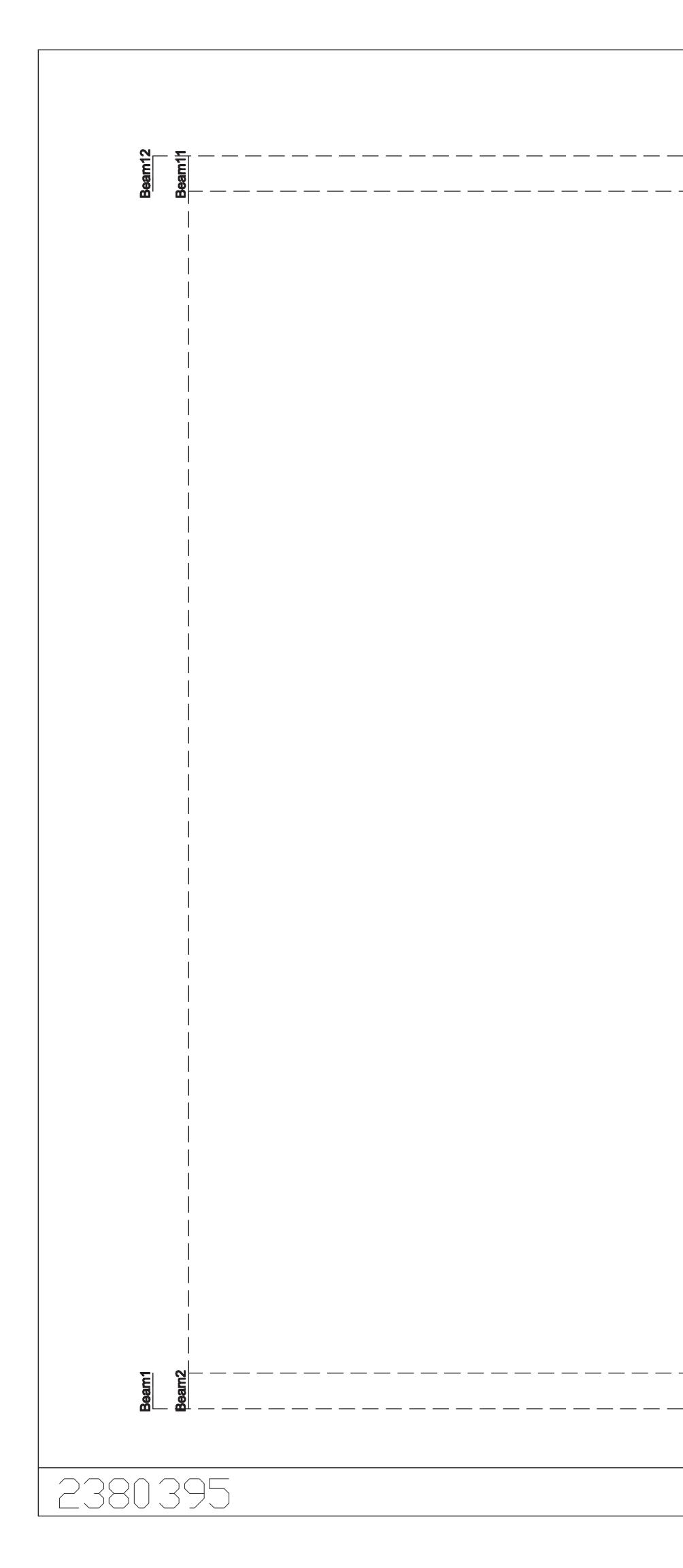




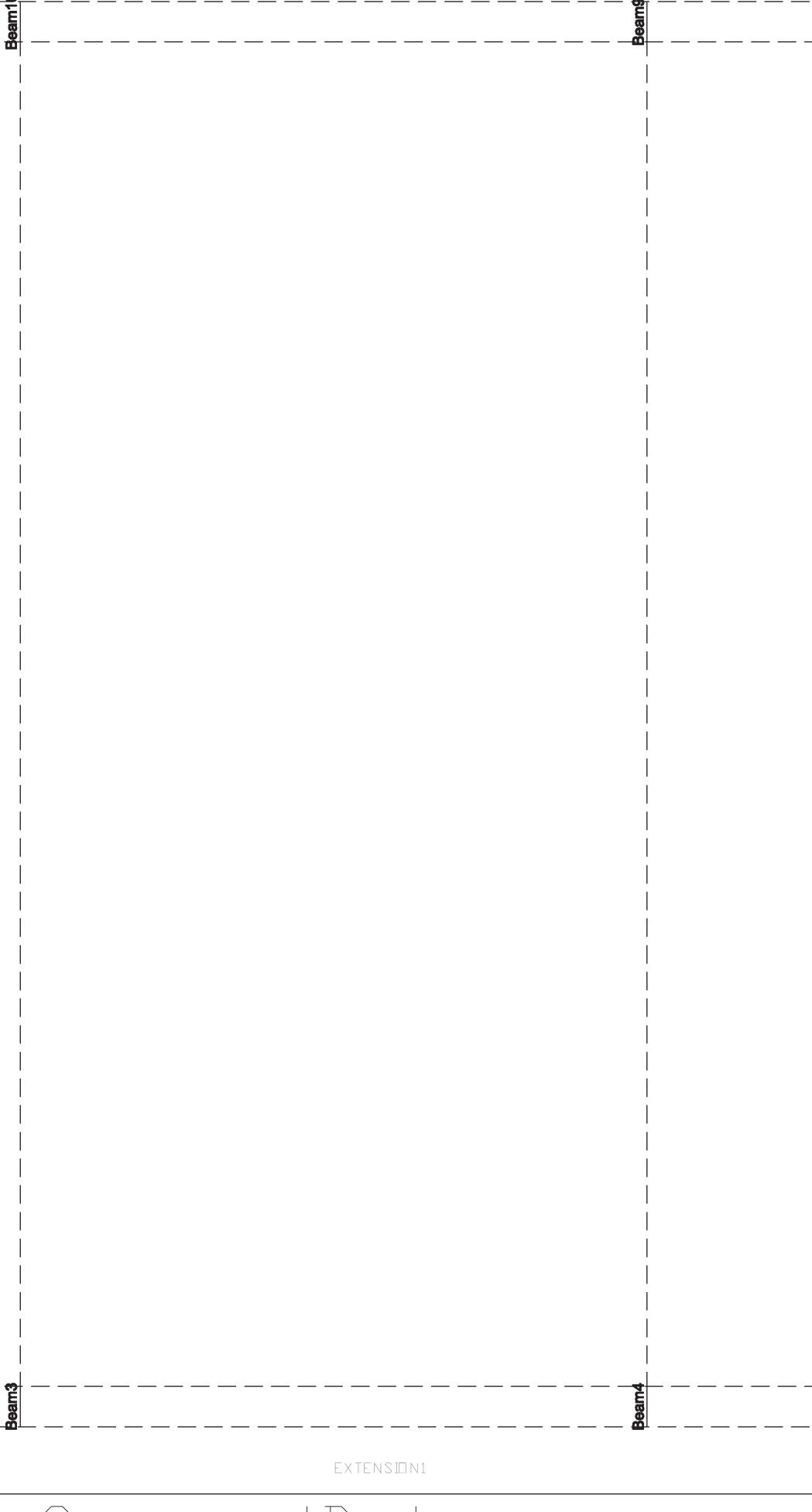
EAVE CANOPY AT HOT ROLLED ENDWALL RAFTER



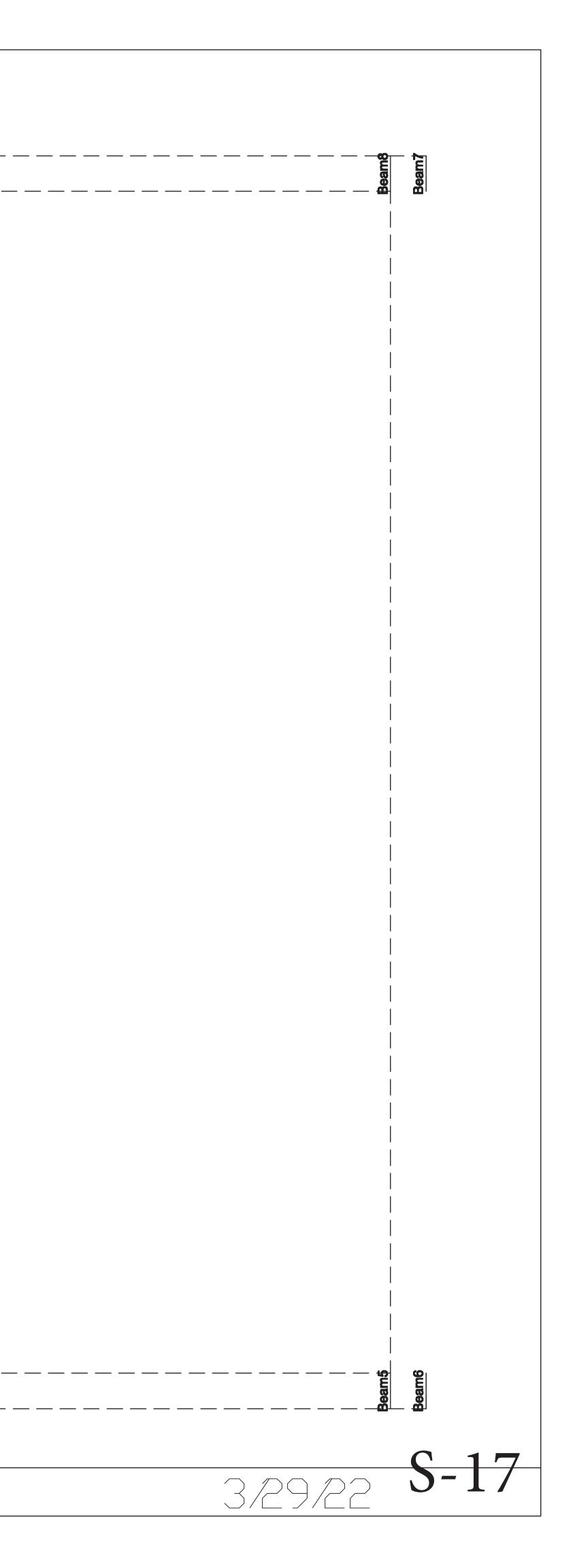
S-16

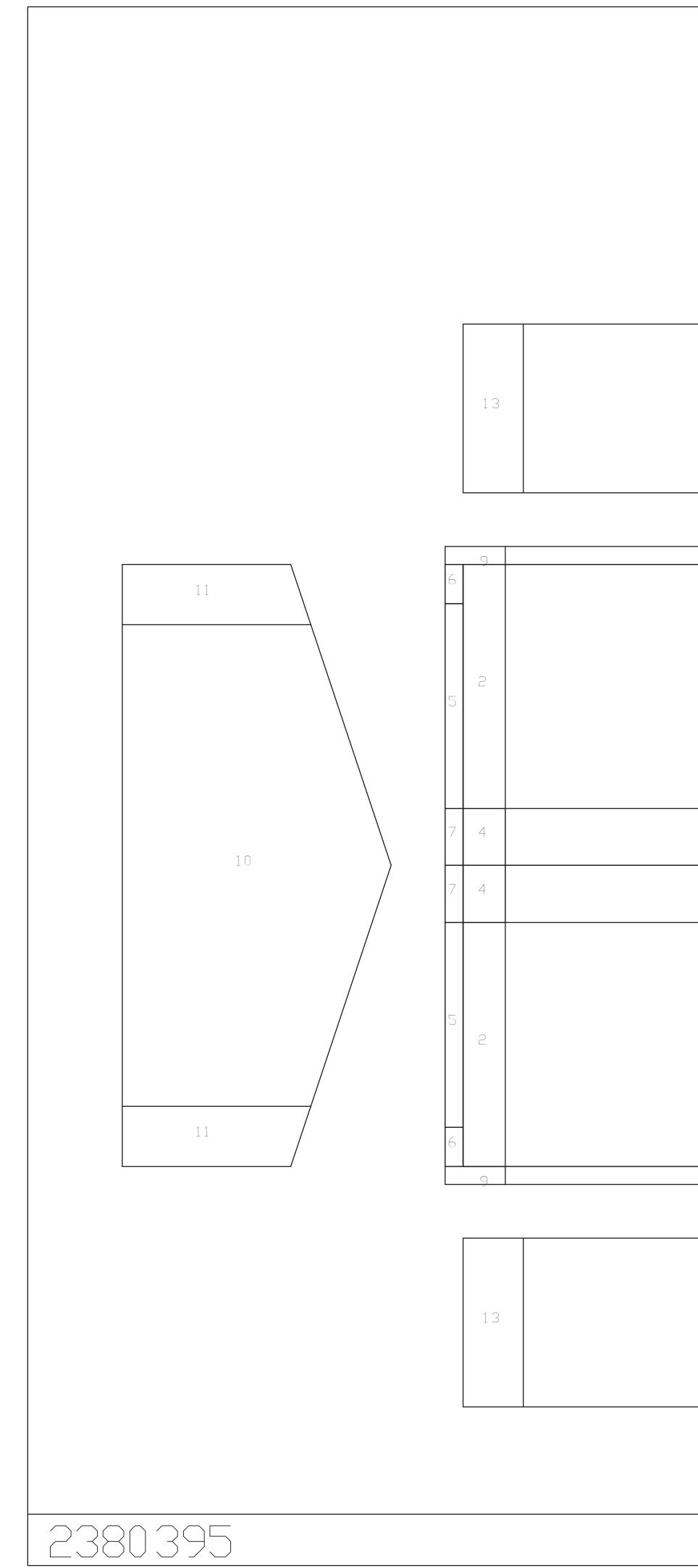


EXTENSION2



ComponentDesign





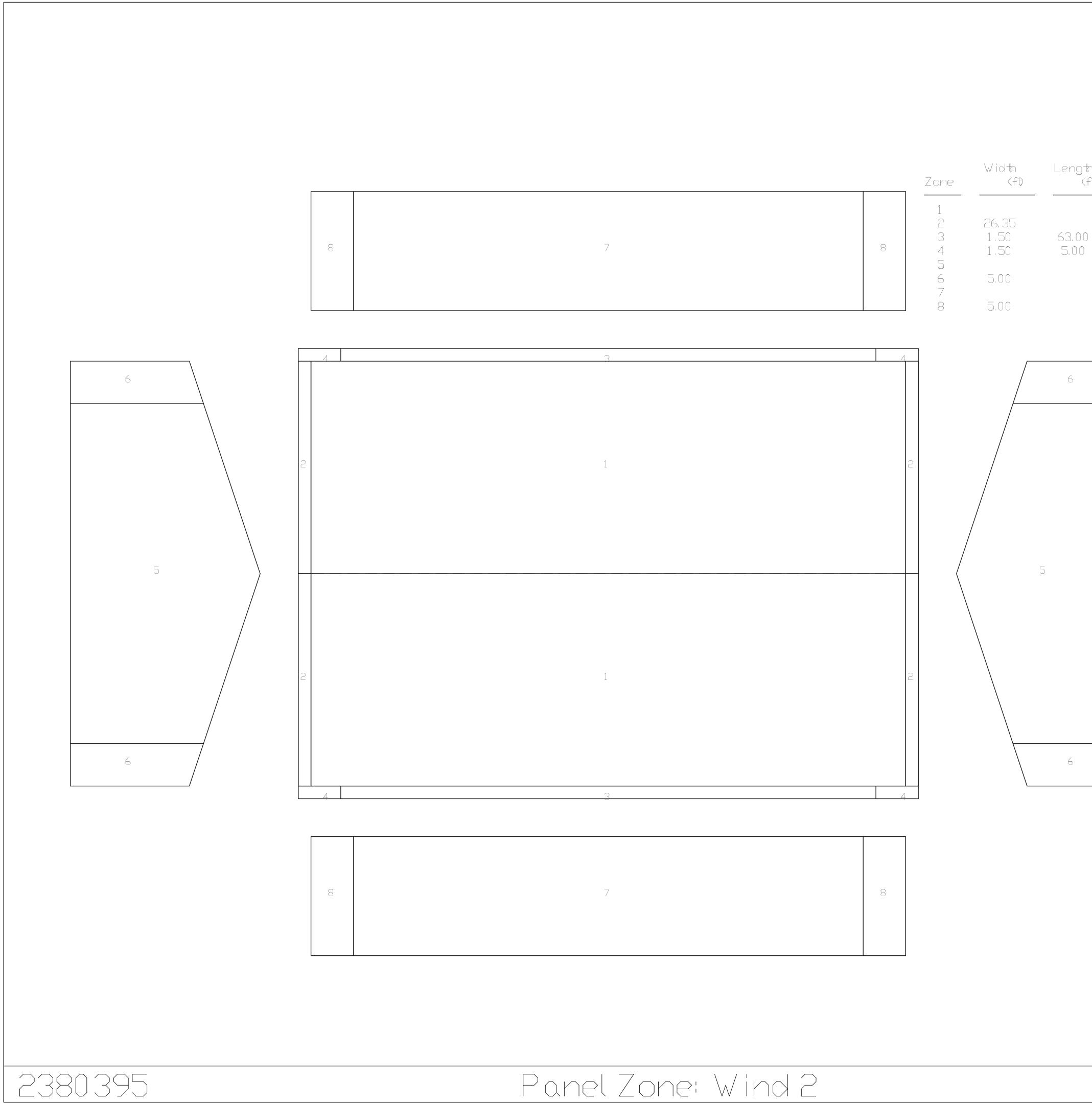
						l om poner		ng (F	actored)
			Zone	Width (ft)	Length (ft)	Pressure(p M em ber	osf) Panel	Sucton(ps M em ber	sf) Panel
			1 2 3 4	5.00 5.00	3,50 3,50	7,20 7,20 7,20 7,20	7,20 7,20 7,20 7,20	-9,60 -15,26 -15,26 -19,30	-21,20 -30,95 -30,95 -36,67
12		13	5 6 7 8 9 10 11 12 13	17.93 3.42 5.00 1.50 1.50 5.00	1.50 1.50 1.50 63.00 5.00	7,20 7,20 7,20 7,20 7,20 9,60 9,60 9,60 9,60	7,20 7,20 7,20 7,20 7,20 11,47 11,47 11,46 11,46	-30,91 -34,46 -38,69 -14,59 -19,55 -10,52 -11,46 -10,50 -11,45	-34,13 -39,85 -45,79 -24,31 -39,87 -12,45 -15,31 -12,42 -15,28
			_			(+) wind to	wards surfa ay from sur	Ce	
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3		4 7		1	0				
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		2			1 1				
8		6	_						
	, ,								
12		13							

Panel Zone: Wind 1

Components & Cladding

(Factored)

<u>3/29/22</u> **S-18**

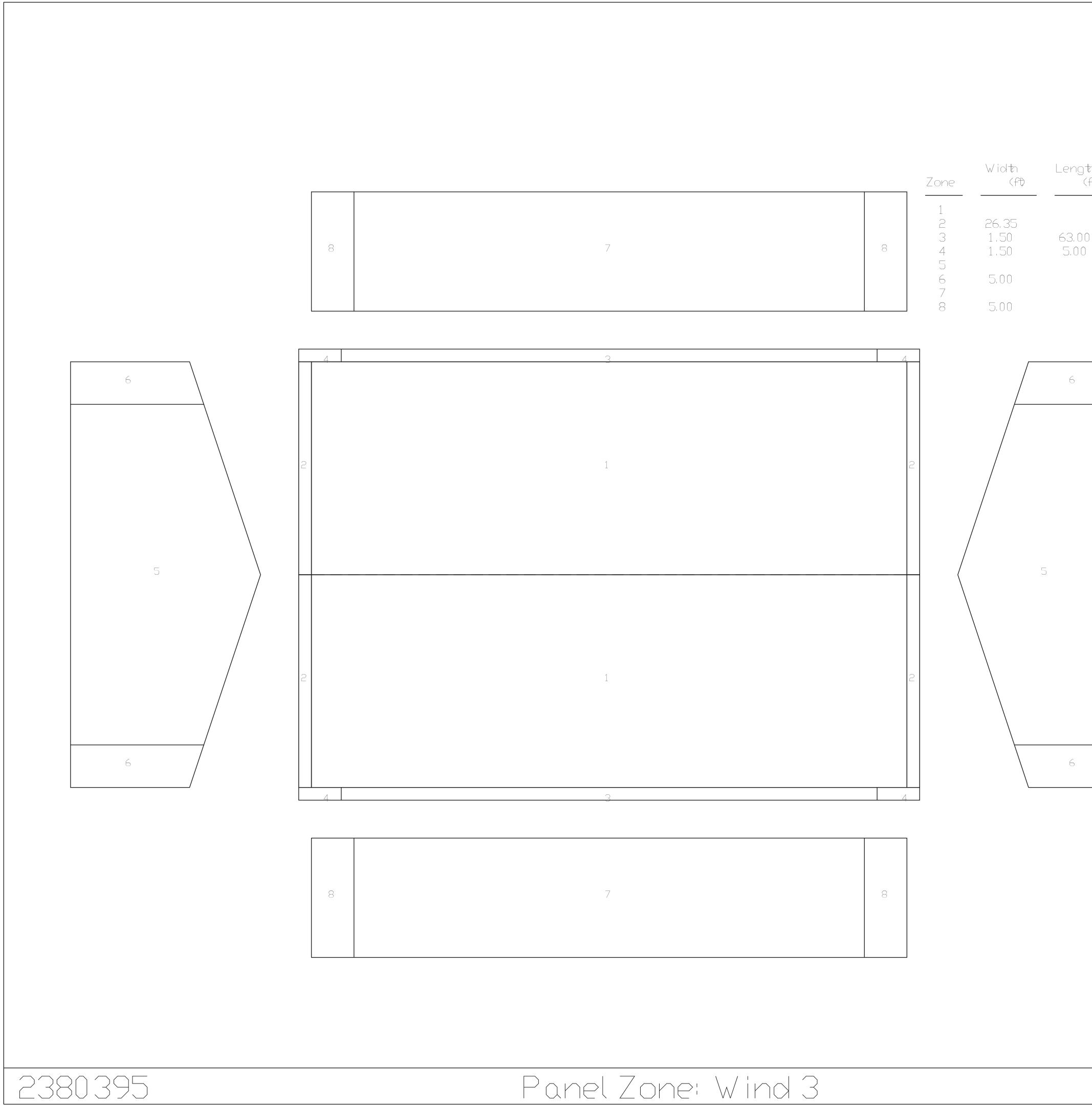


7	8

	Components	5 & Cladding	(Fac	tored)
gth (ft)	Pressure(ps [.] M em ber		Sucton(psf M em ber	
0	7.20 0.00 7.20 7.20 9.60 9.60 9.60	7,20 0,00 7,20 7,20 11,47 11,47 11,46 11,46	-9.60 0.00 -14.59 -19.55 -10.52 -11.46 -10.50 -11.45	-21,20 0,00 -24,31 -39,87 -12,45 -15,31 -12,42 -15,28

(+) wind towards surface (-) wind away from surface

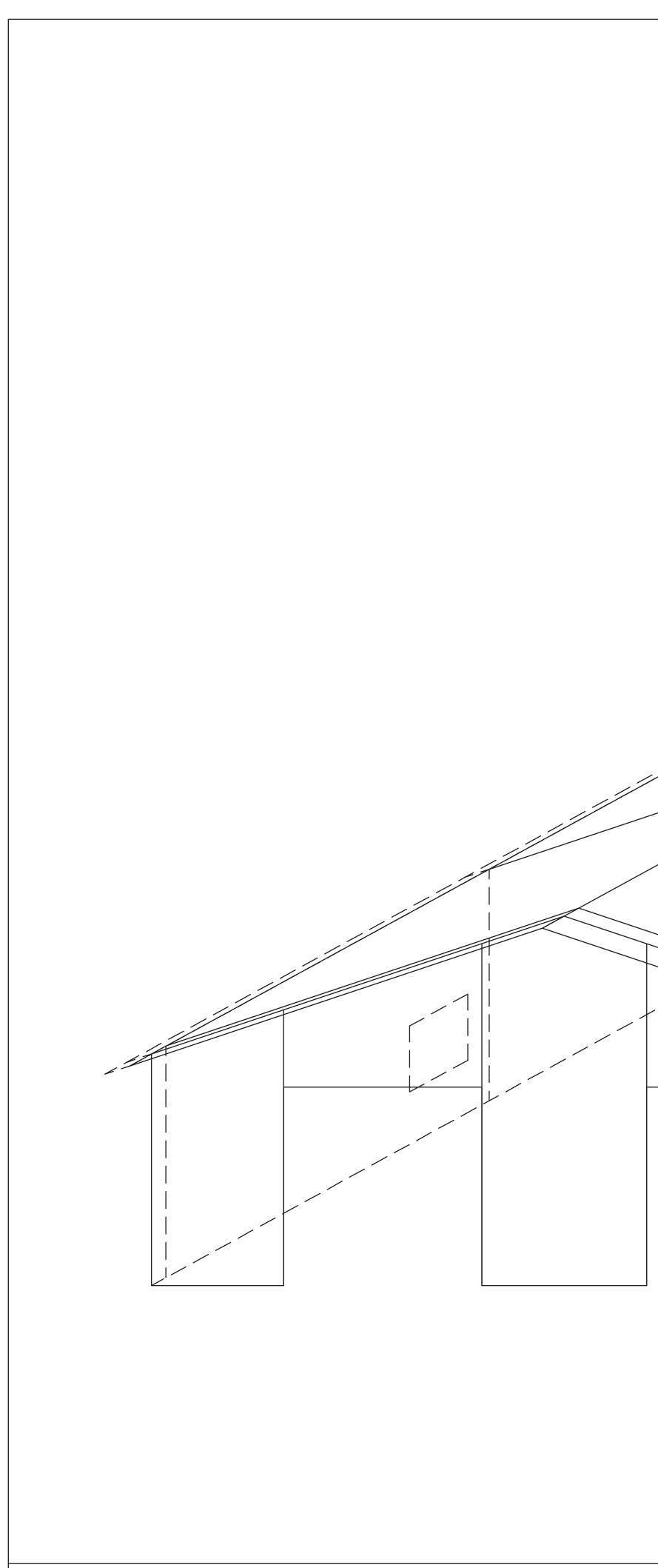
3/29/22 **S-19**

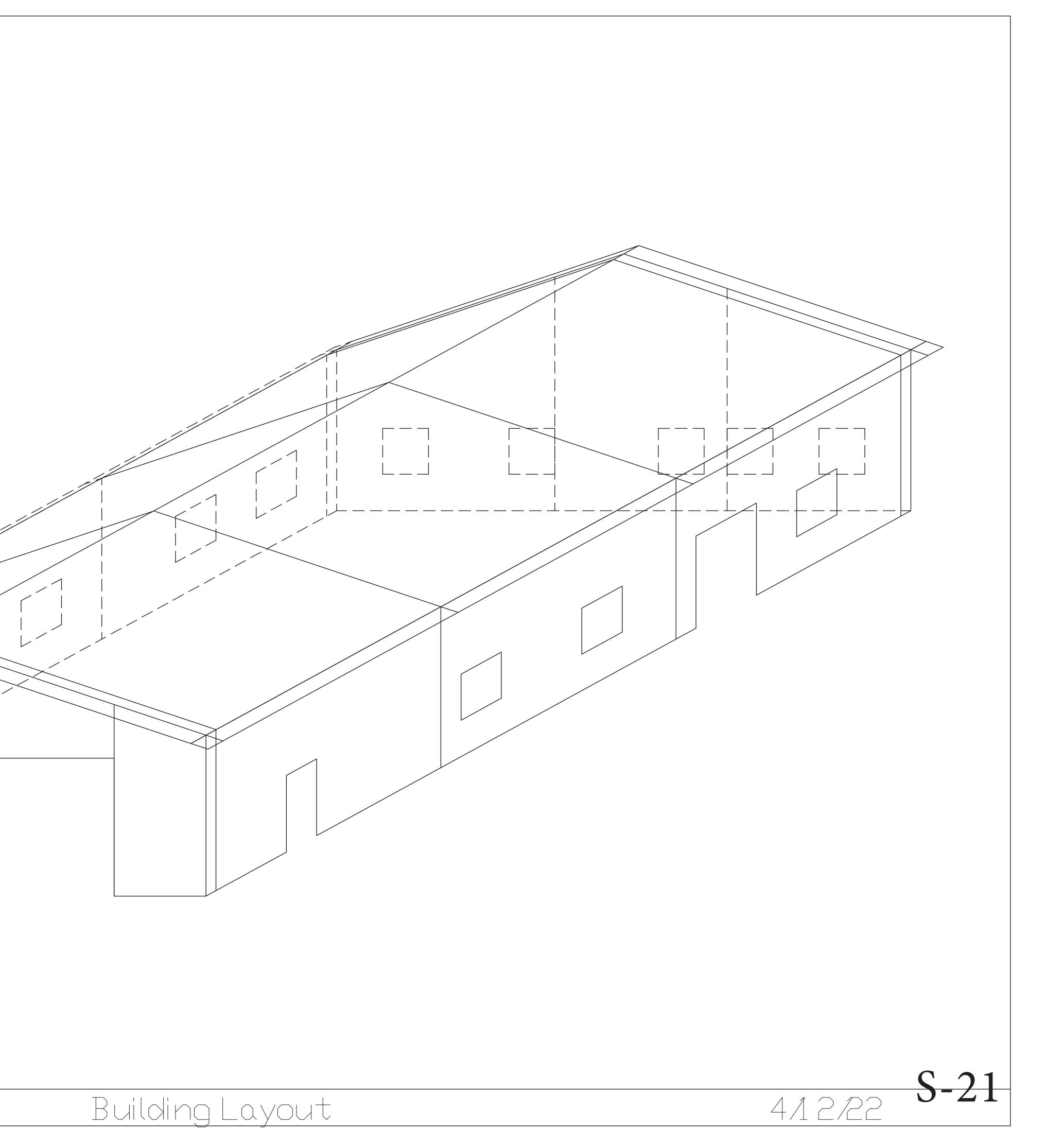


Components	5 & Cladding	(Fac	tored)
0,00 0,00 7,20 7,20 9,60 9,60 9,60	0,00 0,00 7,20 7,20 11,47 11,47 11,47	-9.60 0.00 -14.59 -19.55 -10.52 -11.46 -10.50	0,00 0,00 -24,31 -39,87 -12,45 -15,31 -12,42
9,60	11,46	-11,45	-1 5, 28
	Pressure(ps Member 0.00 0.00 7.20 7.20 9.60 9.60 9.60 9.60	0.00 0.00 7.20 7.20 7.20 7.20 9.60 11.47 9.60 11.47 9.60 11.46	Pressure(psf)Sucton(psf)MemberPanelMember 0.00 0.00 -9.60 0.00 0.00 -9.60 0.00 0.00 0.00 7.20 7.20 -14.59 7.20 7.20 -19.55 9.60 11.47 -10.52 9.60 11.47 -11.46 9.60 11.46 -10.50

(+) wind towards surface (-) wind away from surface

S-20 3/29/22





HERITAGE **BUILDING SYSTEMS**



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scargue los manuales de instalación del panel desde: ww.cornerstonebuildingbrands.com/nstallationmanuals/

1/2" \emptyset A 325 BOLT GRIP TABLE (UNLESS NOTED)

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Over 11/16"TO 15/16"	2"	IS FLUSH WITH THE FACE OF THE NUT.
Over 15/16"TO 19/16"	21/4"	
Over 19/16"TO 113/16"	2 1/2"	WASHER REQUIRED ONLY WHEN SPECIFIED
Over 1 13/16"TO 2 1/16"	2 3 A"	GRIP WASHER MAY BE LOCATED UNDER HEAD OF BOLT, UNDER NUT, OR AT BOTH AT
LOCATIONS OF BOLTS LONGE NOTED ON ERECTION DRAWIN		ADD 5/32" FOR EACH WASHER TO MATERIAL
F.T. DENOTES FULLY T	HREADED	THICKNESS TO DETERMINE GRIP.

Rev. 11/15/2021

PROJECT NOTES

Material properties of steel bar, plate, and sheet used in the fabrication of built-up structural framing members conform to ASTM A529, ASTM A572, or ASTM A1011 with 55 ksi min. yield, except flanges wider than 12" and thicker than 3,8", all flanges thicker than 1", and all webs thicker than 3,8" are 50 ksi min, vield. Rod X-bracing conforms to ASTM A529 or ASTM A572 with 50 ksi min. yield. Cable X-bracing conforms to ASTM A475 7 Strand Extra High–Strength grade. Hot rolled structural shapes conform to ASTM A992, ASTM A529, or ASTM A572 with 50 ksi min. yield. Hot rolled angles, other than flange braces, conform to ASTM A36 minimum. Round and rectangular HSS conforms to ASTM A500 Grade B. Cold-formed steel secondary framing Members conform to ASTM A1011 or ASTM A653 Grade 55 with 55 ksi min. yield.

The manufacturer does not assume any responsibility for the erection nor field supervision of the structure and or any special inspections that may be required by the local building authority during erection (including inspection of the high strength bolts or field welds) as required during erection. The coordination and the costs associated for setting up and Special Inspections are the responsibility of the Erector, Owner, Architect, or Engineer of Record.

Design is based upon the more severe loading of either the roof snow load or the roof live load.

Loads, as noted, are given within order documents and are applied in general accordance with the applicable provisions of the model code and 6 specification indicated. Neither the manufacture nor the certifying engineer declares or attests that the loads as designated are proper for the local provisions that may apply or for site specific parameters. The manufacturer's Engineer's certification is limited to design loads supplied by an Architect and 6r engineer of record for the overall construction project.

This project is designed using manufacture's standard serviceability standards. Generally this means that all stresses and deflections are within typical performance limits for normal occupancy and standard metal building products. If special requirements for deflections and vibrations must be adhered to, then they must be clearly stated in the contract documents.

This metal building system is designed as enclosed. All exterior components (i.e. doors, windows, vents, etc.) must be designed to withstand the specified wind loading for the design of components and cladding in accordance with the specified building code. Doors are to be closed when a maximum of 50% of design wind velocity is reached.

Unless otherwise noted, special inspection of fabricated items is not required. Per IBC section 1704.2.5.1, The fabricator is approved to perform such work without special inspection through maintenance of IAS AC 472 certification MB-136

DEFLECTION CRITERIA

The material supplied by the manufacturer has been designed with the following minimum defection criteria. The actual deflection may be less depending on actual load and actual member length. BUILDING DEFLECTION LIMITS...: Building A

Roof Limi <u>ts Rafters Purlins Pane</u> Live L/ Snow L/ Wigd L/	@F360 @F360	@F354 @F354	@F357 @F357
Wind L/ Total Gravity L/	@F360 @F360	@ F 355 @ F 354	@F358 @F357
Frame Limits <u>Sidesway</u> Portal Frame Side	esway		
Live H/ Snow H/ Wind H/ Seismic H/ Crane H/ Total Gravity H/ Total Wind H/ Total Seismic H/	© F 359 © F 359 © F 363 © F 362 © F 359 © F 359 © F 363		361 364
Wall Limits Limit			
Total W ind Panels L/ Total W ind Girts L/ Total W ind EW Columns L/	@ F 356 @ F 353 @ F 350		

The Service Seismic limit as shown here is at service level loads.

Longitudinal –Direct

ISSUE	DATE	DESCRIPTION	BY	CKD	DSN							
QJ024	@ DATE	FOR @J041	@J 012	Q J014	@J011]	HF	RIT	'AGI	R		2513
]	BUII	LDING S	YSTEMS		NOF	КІН
						PROJECT:	@J007					
						CUSTOMER:	@J004			(OWNER:	: (
						LOCATION:	@J009			·		
						CAD	DATE	SCALE	PHASE	BUILDIN	IG ID	
					1		@ DATE	N.T.S.	1	A		

<u>Engin</u>

Building Code..... Building Risk Catego

Roof Dead Load Superimposed.. Collateral..... (0.00 psf Ceilind Roof Live Load.....

Snow

Ground Snow L Snow Load Impo Snow Exposure Thermal Factor (Flat Roof Snow Minimum Roof S

Wind

Ultimate Wind S Nominal Wind S Serviceability W Ground Elevatic Wind Exposure Internal Pressure Loads for compo manufacturer. Wall Edge Z

@U622 Other Wall Z @U621 These values ar based on a 10 s Componer

wind loads. Zones per ASC Zones pressure Seismic Seismic Importa

Seismic Design (Ss..... @U60 S1..... Analysis Proced

Location... Int RF System....

Cs.....

Design Base Sh Design Base Sh

System –Basic Ford H –Steel Syste

Seismic Re

C4 –Steel Ord B3 –Steel Ord

G2 –Steel Ord

R –Response

Cs –Seismic

Transverse –Direc

uilding ID Building A

e Modification Coefficient Response Coefficient ction Parallel to the Rigid Frames ction Perpendicular to the Rigid Frames Building Descriptions tth(ft) Length(t) Height(ft) Slope	lory	@F324 @U619
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acad (Pg)		1
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index @ U636 mph ind Speed	show Lodd (FTH)	@ 0046 psi
ind Speed		
Category	ind Speed	@U646 mph
onents not provided by building ones (within @U653 ' of corner) @U620 psf pressure 2 psf suction tones @U620 psf pressure 1 psf suction re the maximum values required aquare foot area. tts with larger areas may have lower E 7-16; FIG. 30.3-4 s shown are Un-Factored ance Factor (le) @F311 		· · · · · · · · · · · · · · · · · · ·
@U620 psf pressure 2 psf suction ones @U620 psf pressure 1 psf suction re the maximum values required square foot area. tts with larger areas may have lower E 7-46; FIG. 30.3-1 s shown are Un-Factored ance Factor (le) @F315 Category @U607 g @U602 g Sd1		
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I psf suction re the maximum values required iquare foot area. ts with larger areas may have lower E 7-46; FIG. 30.3-1 s shown are Un-Factored ance Factor (le) @F315 Category	ones @U620.psf	pressure
square foot area. tts with larger areas may have lower E 7-46; FIG. 30.3-4 s shown are Un-Factored ance Factor (le) @F315 Category	psf suction	
s shown are Un-Factored Ince Factor (le) @F315 Category	quare foot area.	
Category @F311		
Image: Second state of the		
© U602 g Sd1 © U608 g Hure Equivalent Lateral Force Front SW Back SW Left EW Right EW © J190 © J191 © J192 © J193 © J194 © F368 © F374 © F376 © F370 © F372 © F369 © F375 © F377 © F371 © F373 near in kips (V) Transverse © F366 near in kips (V) Longitudinal © F365 cce Resisting System tem not Specifically Detailed for esistance dinary Concentric Braced Frames dinary Concentric Braced Frames e Modification Coefficient Response Coefficient ction Parallel to the Rigid Frames tion Perpendicular to the Rigid Frames tion Perpendicular to the Rigid Frames tion Perpendicular to the Rigid Frames tion Perpendicular to the Rigid Frames		@U647
Building Descriptions Building Descriptions		
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hear in kips (V) Transverse @ F366 hear in kips (V) Longitudinal @ F365 the Resisting System them not Specifically Detailed for esistance dinary Moment Frames dinary Concentric Braced Frames dinary Cantilevered Column Systems e Modification Coefficient Response Coefficient ction Parallel to the Rigid Frames thon Perpendicular to the Rigid Frames thon Perpendicular to the Rigid Frames	©J190 @J191 @J19 @F368 @F374 @F37	2 @J193 @J194 6 @F370 @F372
Building Descriptions th(ft) Length(t) Height(ft) Slope	ear in kips (V) Transverse @ F.	366
esistance dinary Moment Frames dinary Concentric Braced Frames rdinary Cantilevered Column Systems e Modification Coefficient Response Coefficient ction Parallel to the Rigid Frames ction Perpendicular to the Rigid Frames etion Perpendicular to the Rigid Frames the Rigid Frames		202
dinary Moment Frames dinary Concentric Braced Frames dinary Cantilevered Column Systems e Modification Coefficient Response Coefficient ction Parallel to the Rigid Frames stion Perpendicular to the Rigid Frames the Rigid Frames the Rigid Frames the Rigid Frames	1	r
dinary Cantilevered Column Systems e Modification Coefficient Response Coefficient ction Parallel to the Rigid Frames ction Perpendicular to the Rigid Frames building Descriptions tth(ft) Length(t) Height(ft) Slope	linary Moment Frames	20
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@F201 @F202 @F204 @F206	~ ·	pe
		@F204 @F206
	@F201 @F202	I]

@J038		
JOB NUMBER	SHEET NUMBER	ISSUE
@J010	C1	@ J024
	I	

	Drawing Index
Page	Description
C1 CC	VER SHEET
F1 ANCH	OR BOLT PLAN
F2 ANCH	OR BOLT REACTIONS
F3 ANCH	OR BOLT DETAILS
E1ROOF	FRAMING PLAN
E2ROOF	SHEETING PLAN
E3fron	T SIDEWALL
E4BACK	SIDEWALL
E5LEFT	ENDWALL
E6RIGH ⁻	ENDWALL
E7fram	E CROSS SECTION
DET 1-BOTAN	DARD DETAILS
R1-RBNSTA	LLATION SHEETS

DRAWING STATUS

FOR APPROVAL These drawings, being For Approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued

'For Erector Installation'' can be considered as complete.

FOR CONSTRUCTION PERMIT These drawings, being for Permit, are by definition not final. Only drawings issued For Erector Installation" can be considered as complete.

X FOR ERECTOR INSTALLATION Final drawings for construction.

For questions or assistance Concerning Erection call or Email:

1-844-840-4603 Monday Friday 7:30am to 5:00pm

FIELD.SERVICES@CORNERSTONE-BB.COM

ENGINEERING SEAL

The engineer whose seal appears hereon is an employee for the manufacturer for the naterials described herein. Said seal or certification is limited to the products designed and manufactured by manufacturer only. The undersigned engineer is not the overall engineer of record for this project.

GN-1

HERITAGE **BUILDING SYSTEMS**



BUILDER CONTRACTOR RESPONSIBILITIES

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1/2" \emptyset A 325 BOLT GRIP TABLE (UNLESS NOTED)

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LOCATIONS OF BOLTS LONGE NOTED ON ERECTION DRAWIN		ADD 5/32" FOR EACH WASHER TO MATERIAL
F.T. DENOTES FULLY T	HREADED	THICKNESS TO DETERMINE GRIP.

Rev. 11/15/2021

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Roof Limi <u>ts Rafters Purlins</u> Live L/ Snow L/ Wind L/ Total Gravity L/	Panels 180 180 180 180	180 180 180 180	60 60 60 60
Frame Limits Sidesway Portal Frame	e Sidesway		
Live H/ Snow H/ Wind H/ Seismic H/ Crane H/ Total Gravity H/ Total Wind H/ Total Seismic H/	60 60 195 100 60 60 195	6 1	0 95
Wall Limits <u>Limit</u> Total Wind Panels L/ Total Wind Girts L/ Total Wind EW Columns L/	60 90 120		

The Service Seismic limit as shown here is at service level loads.

		I	CKD D	BY	DESCRIPTION	DATE	ISSUE
HERITAGE					FOR QUOTE	4/12/22	0
BUILDING SYSTEMS	BUI						
		PROJECT:					
0		CUSTOMER:					
·		LOCATION:					
DATE SCALE PHASE BUILDING	DATE	CAD					
4/12/22 N.T.S. 1 A	4/12/22	1					

<u>Engine</u>

Building Code..... Building Risk Catego

Roof Dead Load Superimposed... Collateral..... (0.00 psf Ceiling Roof Live Load.....

Transverse –Direction Parallel to the Rigid Frames Longitudinal –Direction Perpendicular to the Rigid Frames

luilding ID Building A

ENGINEERING DESIGN CRITERIA	<u></u>	
Building Code Building Risk Category	CBC 19 II –Normal	
Roof Dead Load Superimposed Collateral (0.00 psf Ceiling 6 psf Other) Roof Live Load20.00 psf No reduction	2.500 psf 6 psf (Total)
Snow		
Ground Snow Load (Pg) Snow Load Importance Factor (Is) Snow Exposure Factor (Ce) Thermal Factor (Ct) Flat Roof Snow Load (Pf) Minimum Roof Snow Load (Pm)	0.00 psf 1.00 1.00 1.00 0 psf 0.00 psf	
Wind		
Ultimate Wind Speed (Vult) Nominal Wind Speed (Vasd) Serviceability Wind Speed	92 mph 71 mph 64 mph 53.644 SL) C	
19.12 psf pressu	re	
-25.61 psf suction Other W all Zones 19.12 psf press -20.75 psf suction These values are the maximum values required based on a 10 square foot area. Components with larger areas may have lowe wind loads. Zones per ASCE 7–16; FIG. 30.3–1 Zones pressures shown are Un-Factored	sure	
Seismic		
Seismic Importance Factor (Ie) Seismic Design Category Soil Site Class Ss 1.500 g Sds S1 0.600 g Sd1 Analysis Procedure Equivalent Lateral Force	1.00 D 1.000 g 0.680 g	
Location Int RF Front SW Back SW Left EW Right System C4 C4 C4 R	C4 3.5	C4 3.5 0.286
Design Base Shear in kips (V) Transverse 12.74 Design Base Shear in kips (V) Longitudinal 12.76		
System –Basic Force Resisting System H –Steel System not Specifically Detailed for Seismic Resistance C4 –Steel Ordinary Moment Frames B3 –Steel Ordinary Concentric Braced Frames G2 –Steel Ordinary Cantilevered Column System R –Response Modification Coefficient Cs –Seismic Response Coefficient Transverse –Direction Parallel to the Rigid Frames	ms	

	Drawing Index
Page	Description
C1 CC	VER SHEET
F1 ANCH	OR BOLT PLAN
F2 ANCH	OR BOLT REACTIONS
F3 ANCH	OR BOLT DETAILS
E1ROOF	FRAMING PLAN
E2ROOF	SHEETING PLAN
E3FRON	T SIDEWALL
E4BACK	SIDEWALL
E5LEFT	ENDWALL
E6RIGH1	ENDWALL
E7FRAM	E CROSS SECTION
DET 1-50 AN	DARD DETAILS
R1-RBNSTA	LLATION SHEETS

DRAWING STATUS

FOR APPROVAL These drawings, being For Approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.

FOR CONSTRUCTION PERMIT These drawings, being for Permit, are by definition not final. Only drawings issued "For Erector Installation" can be considered as complete.

FOR ERECTOR INSTALLATION Final drawings for construction.

> For questions or assistance Concerning Erection call or Email:

1-844-840-4603 Monday Friday 7:30am to 5:00pm

FIELD.SERVICES@CORNERSTONE-BB.COM

ENGINEERING SEAL

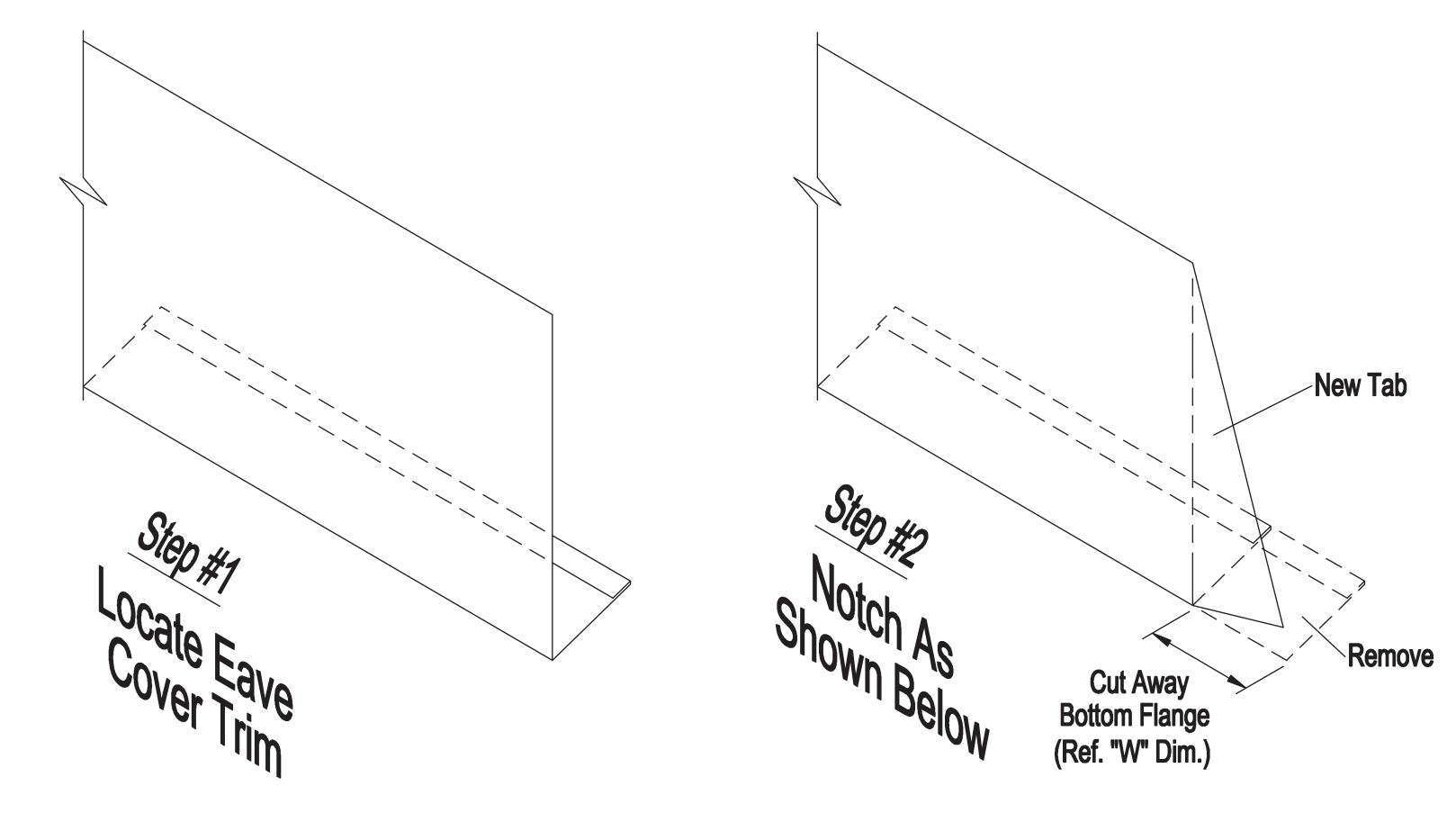
The engineer whose seal appears hereon is an employee for the manufacturer for the materials described herein. Said seal or certification is limited to the products designed and manufactured by manufacturer only. The undersigned engineer is not the overall engineer of record for this project.

GN-2

Building	Descriptions		
dth(ft) Length(ft) Height(ft) SIo	pe	
50	70	14	4.0:12

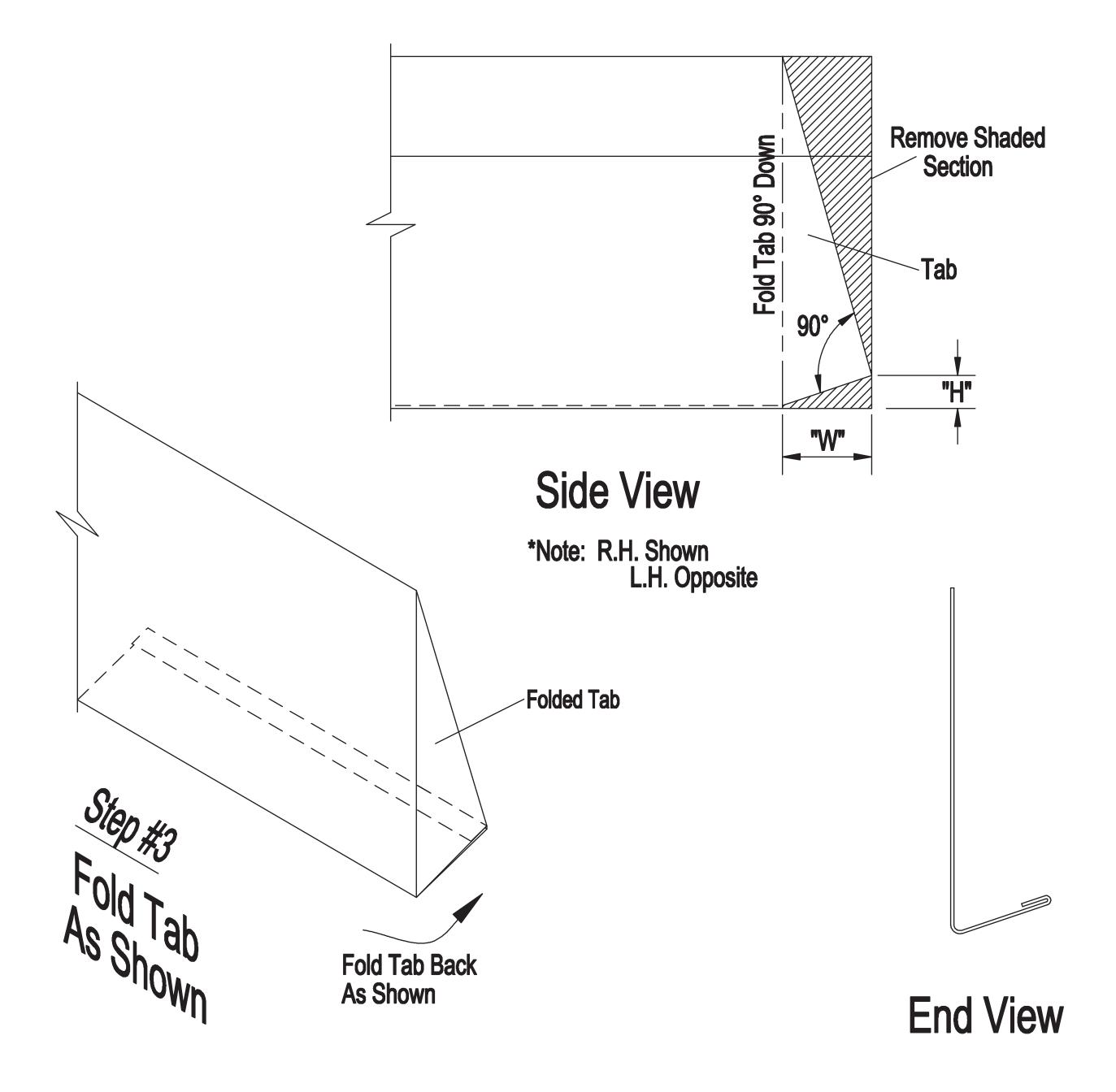
513 MCCAIN BLVD. STE 2 #385 TH LITTLE ROCK, AR 72116–7606 1-800-643-5555

JOB NUMBER	SHEET NUMBER	ISSUE
	C1	0

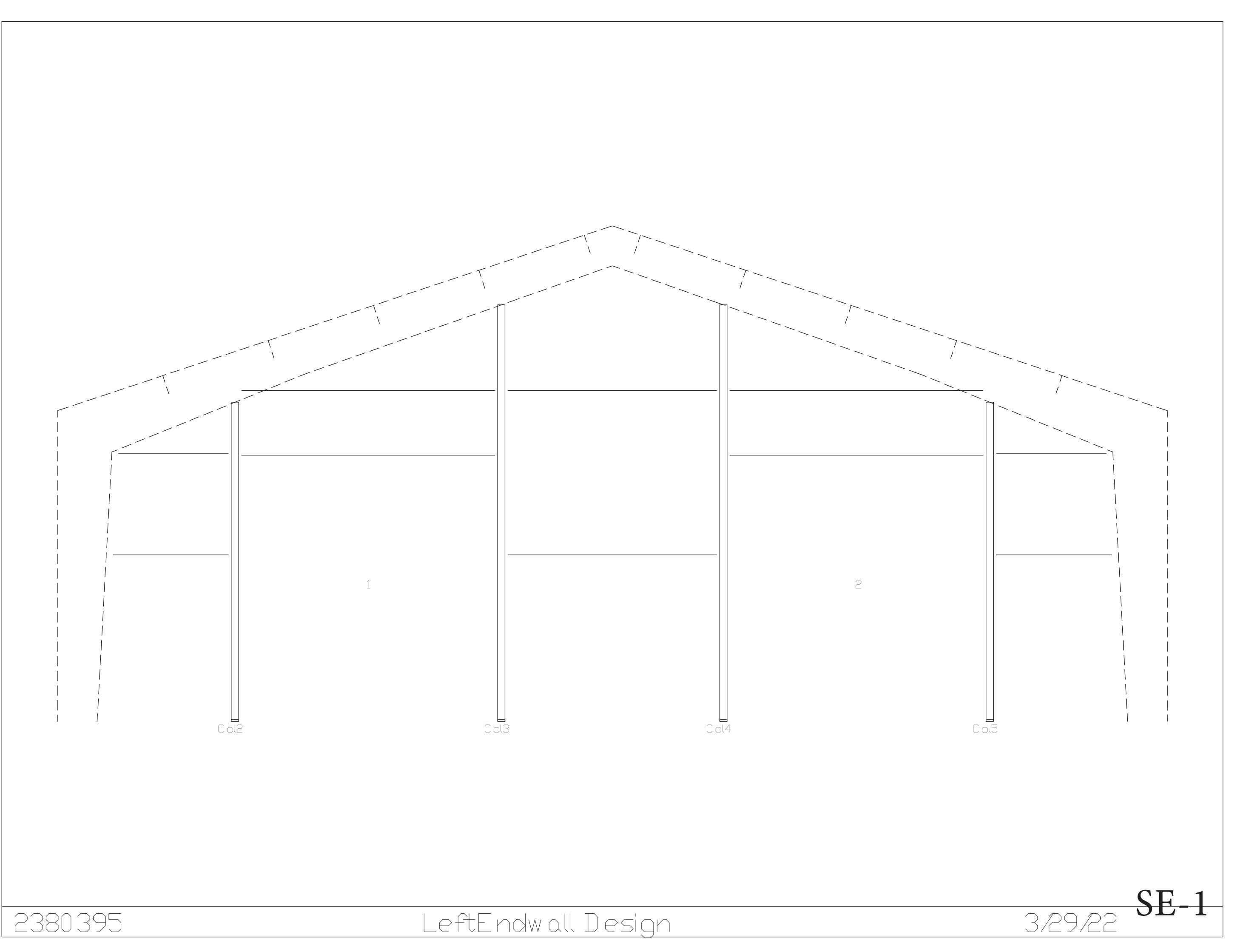


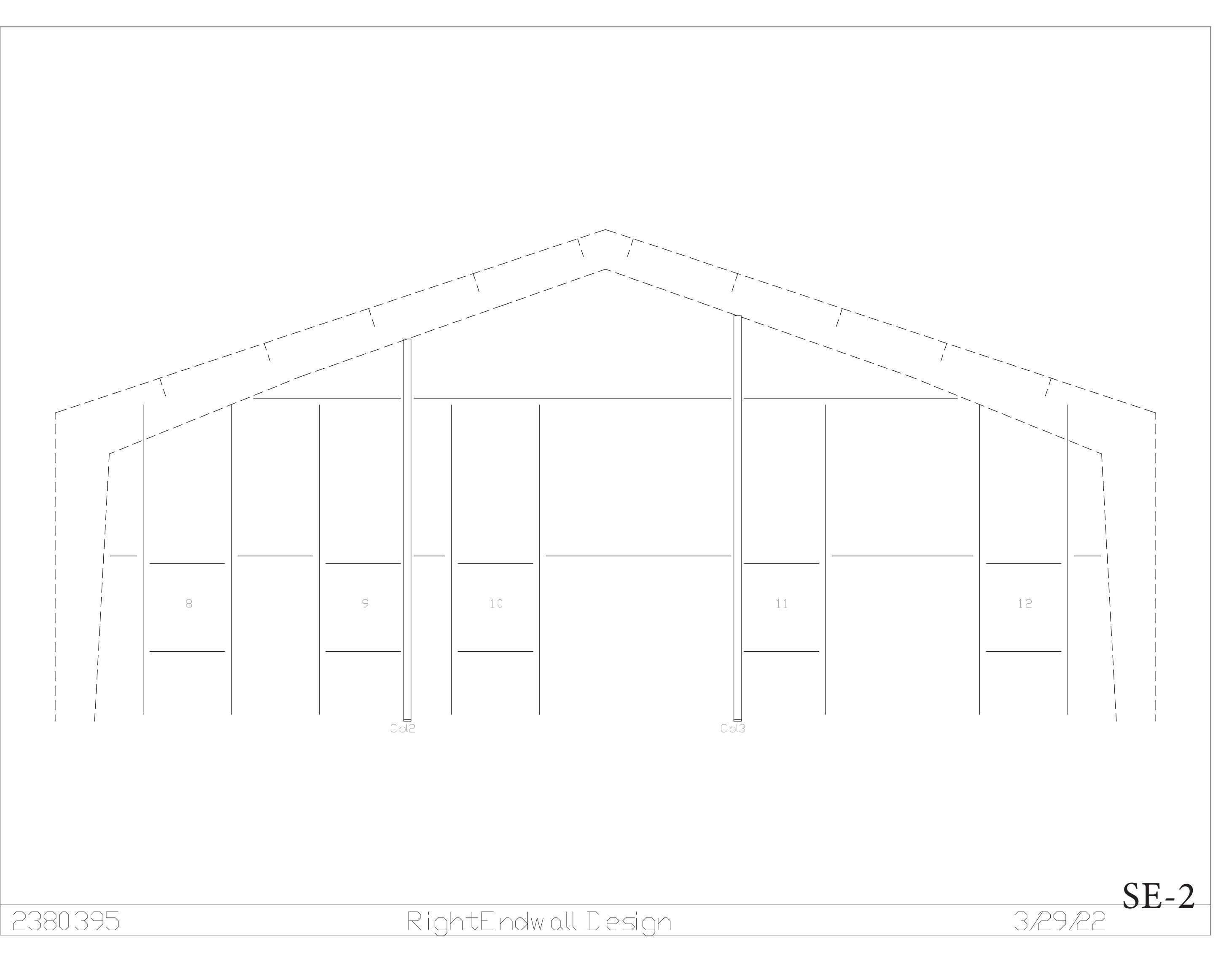
Instructions: Field Trimed Tab For Extension Cover Trim

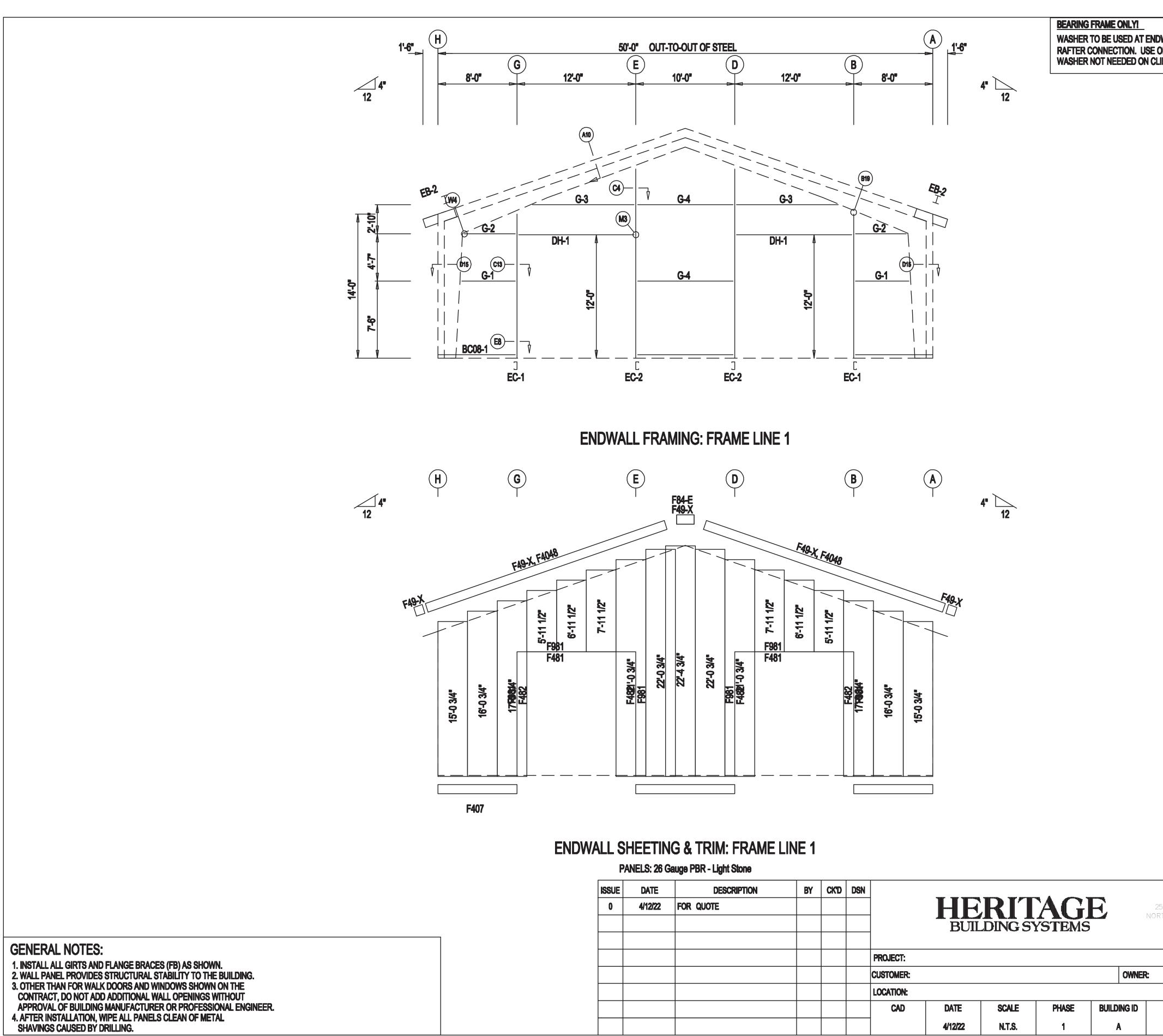
Cut To Roof Pitch						
Roof Pitch	"H" =	"W" =				
1:12		9/16"				
2:12	3/16"	1 1/8"				
3:12	7/16"	1 11/16"				
4:12	11/16"	2 1/8"				
5:12	1 1/16"	2 1/2"				
6:12	1 7/16"	2 7/8"				



S-22





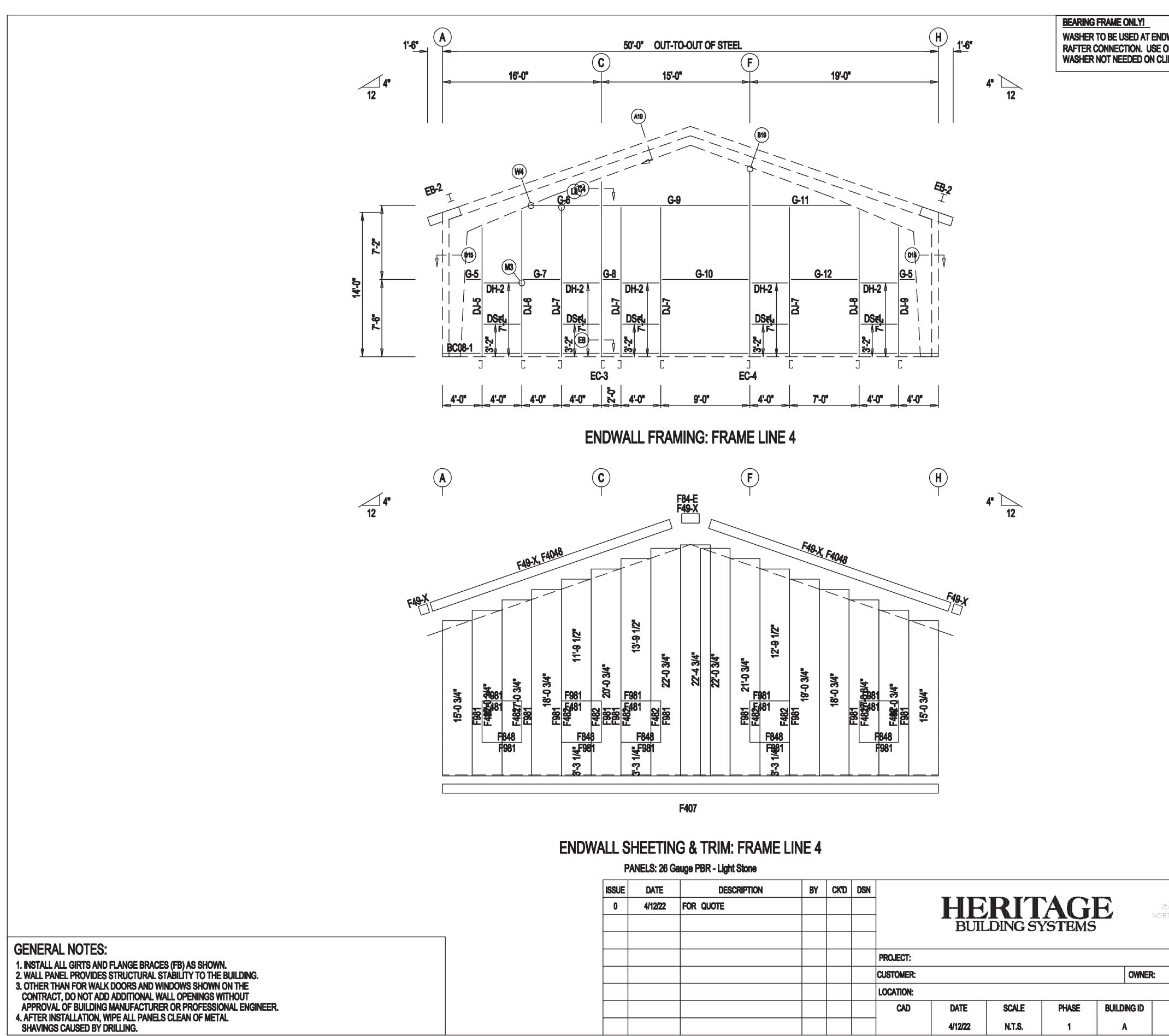


OWNER: PHASE **BUILDING ID** DATE SCALE **N.T.S**. **4/12/22** Α 1

1-800-643-5555			
JOB NUMBER	SHEET NUMBER E5	ISSUE 0	

IDWALL COLUMN TO ENDWALL
ONE WASHER ON COLUMN SIDE.
CLIP SIDE.

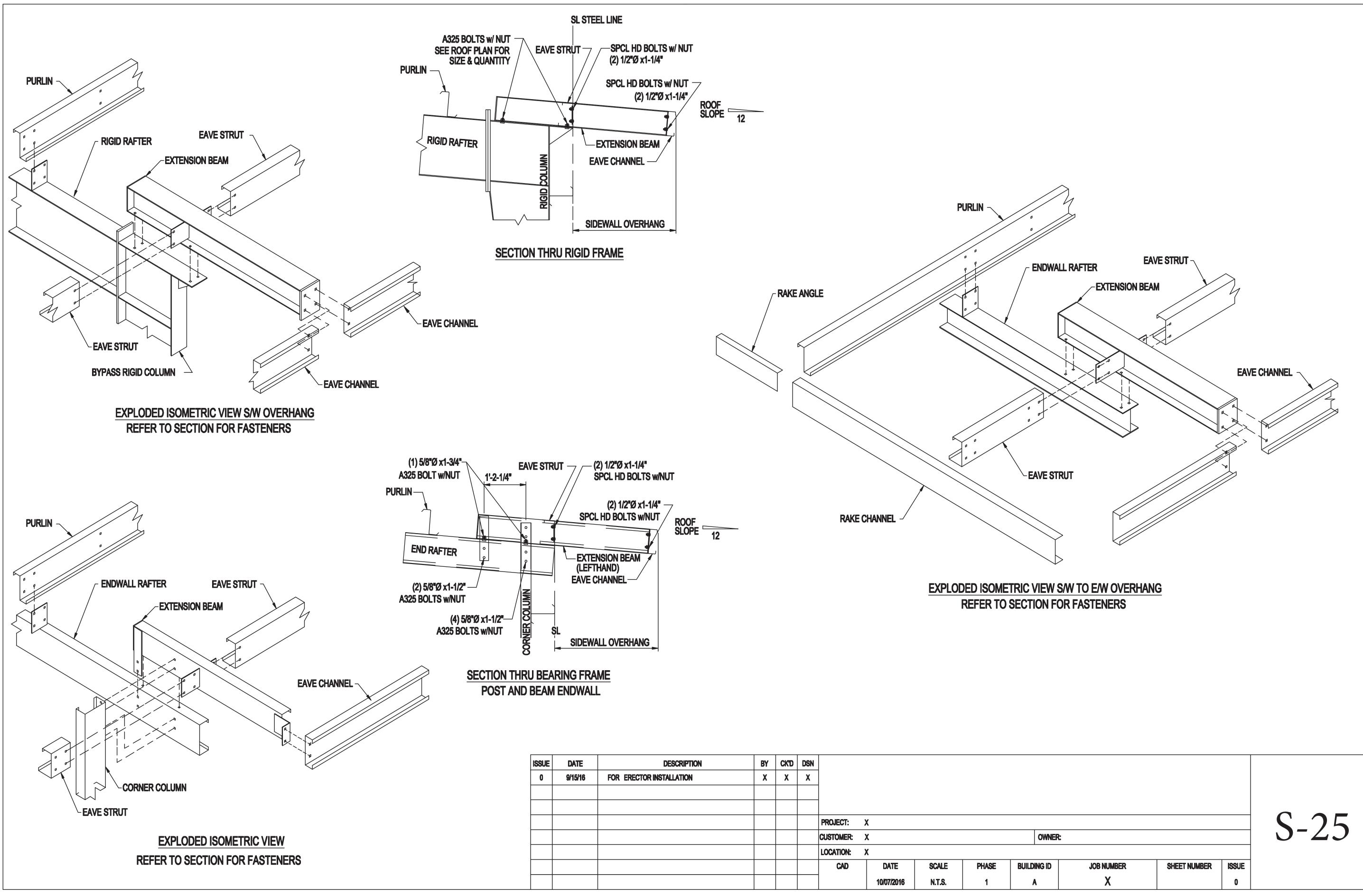
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	FRAME LINE 1 LOCATION	QUAN	TYPE	DIA	LENGTH
	Columns/Raf	2	A325	1/2"	1 1/4"



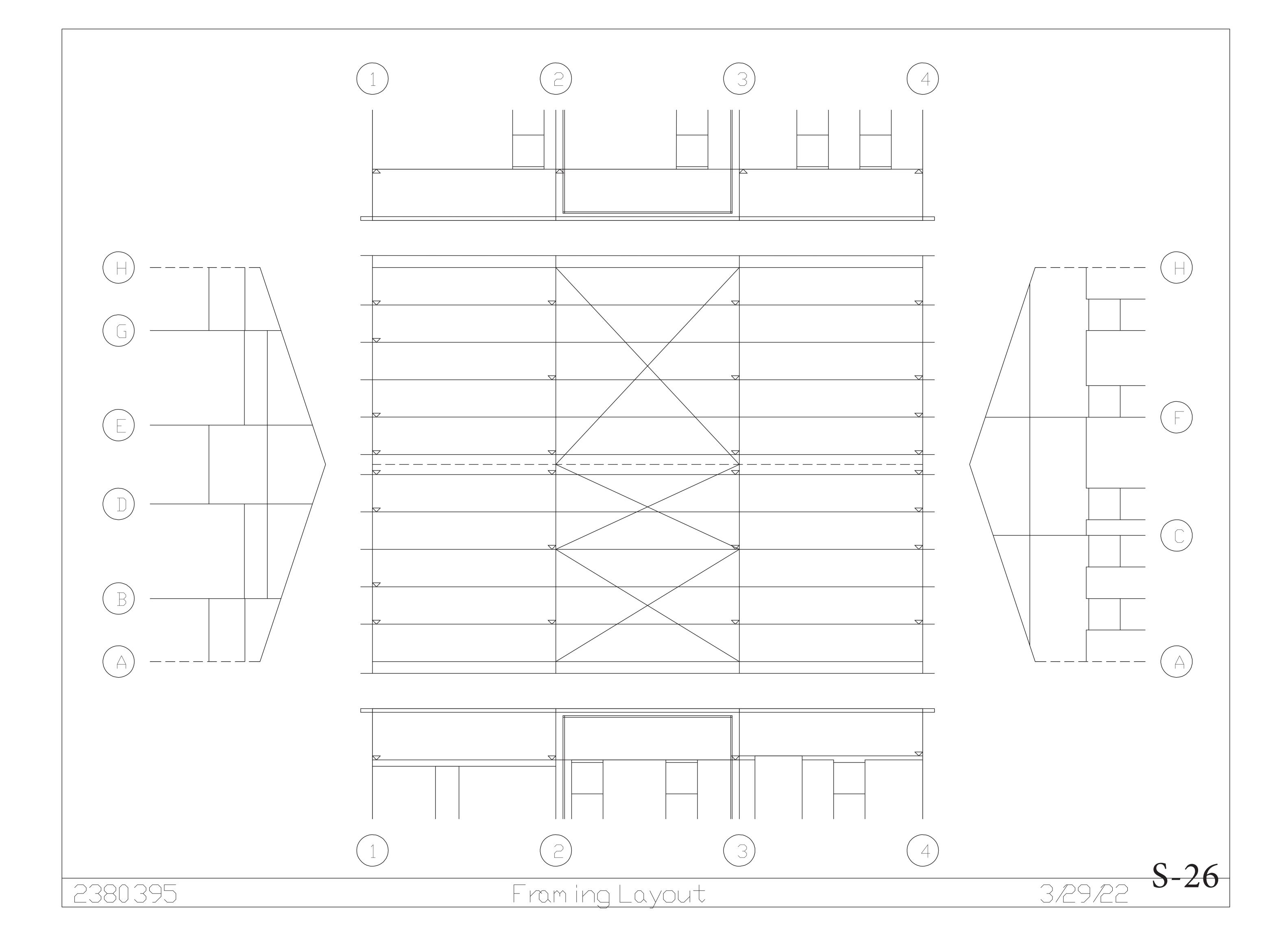
OWNER: PHASE **BUILDING ID** DATE SCALE CAD **N.T.S**. **4/12/22** Α 1

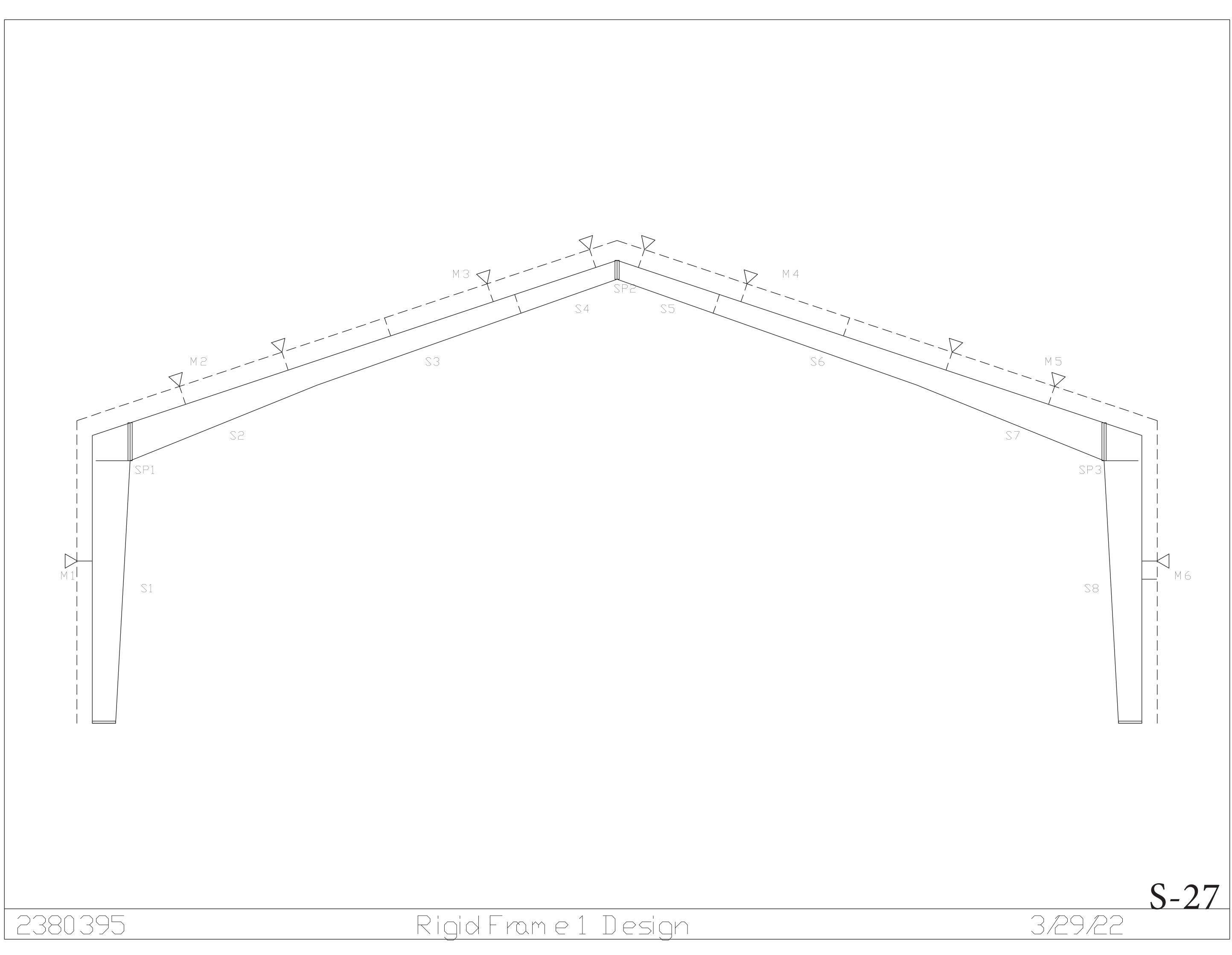
DWALL COLUMN TO ENDWALL
ONE WASHER ON COLUMN SIDE.
LIP SIDE.

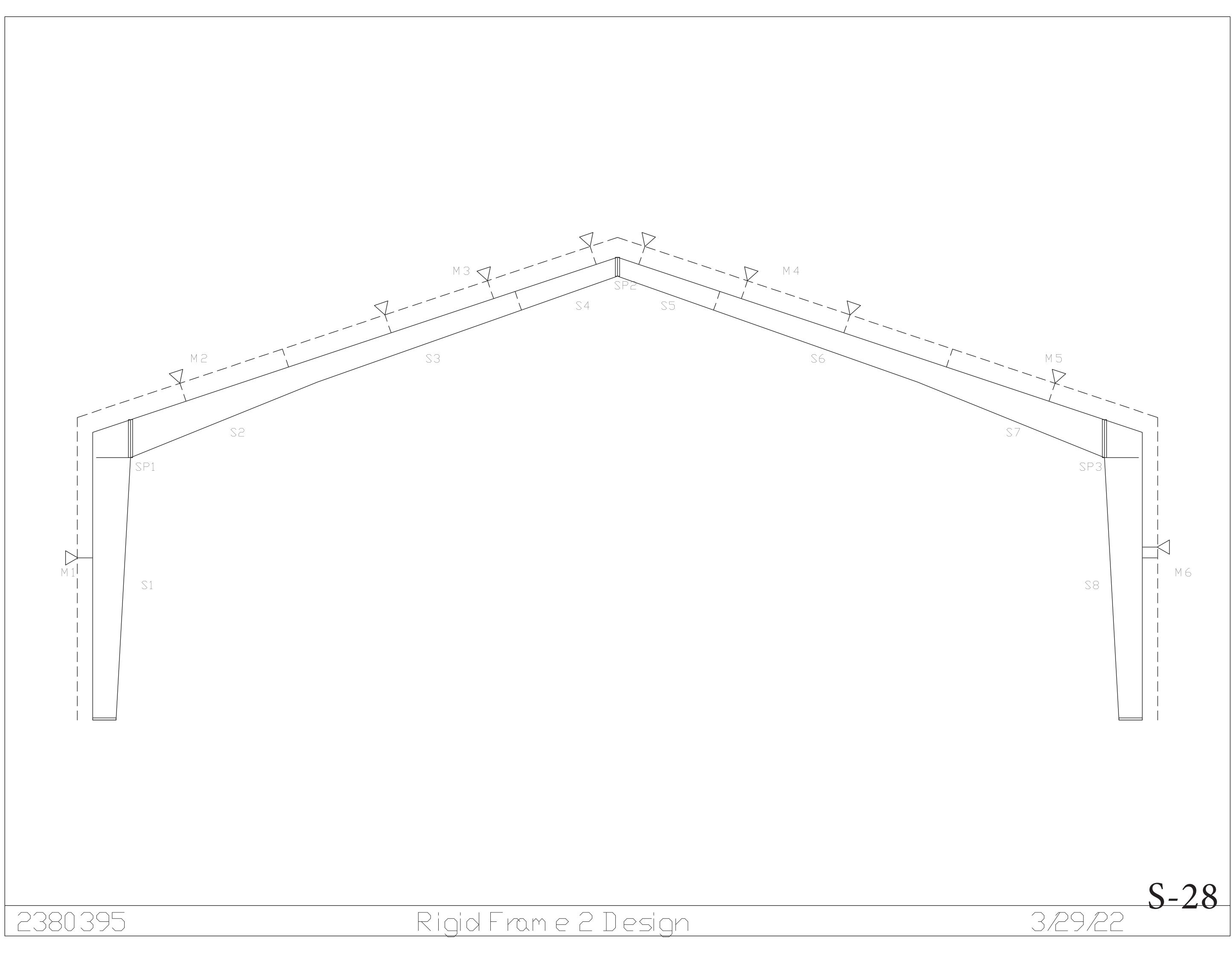
BOLT TABLE FRAME LINE 4				
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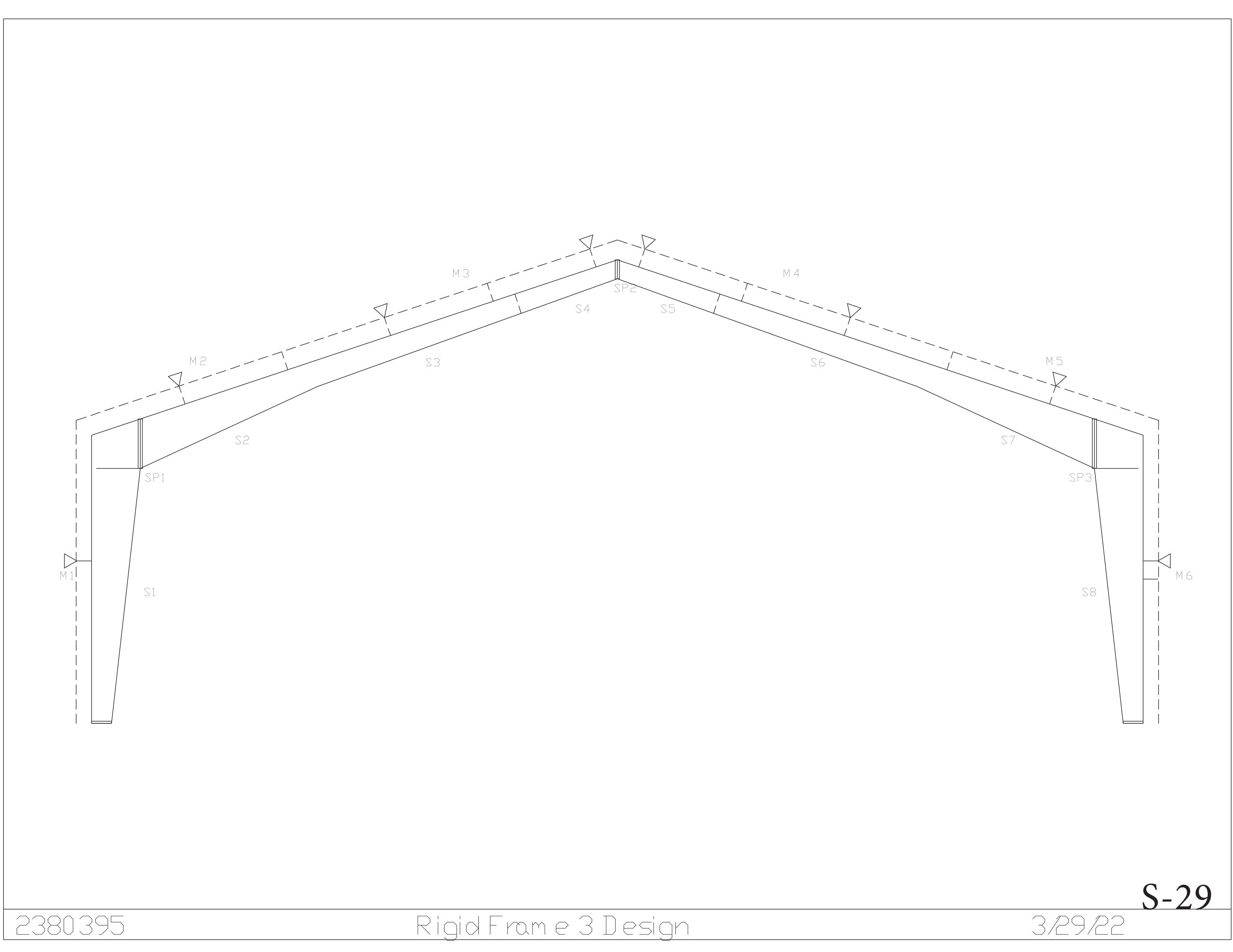


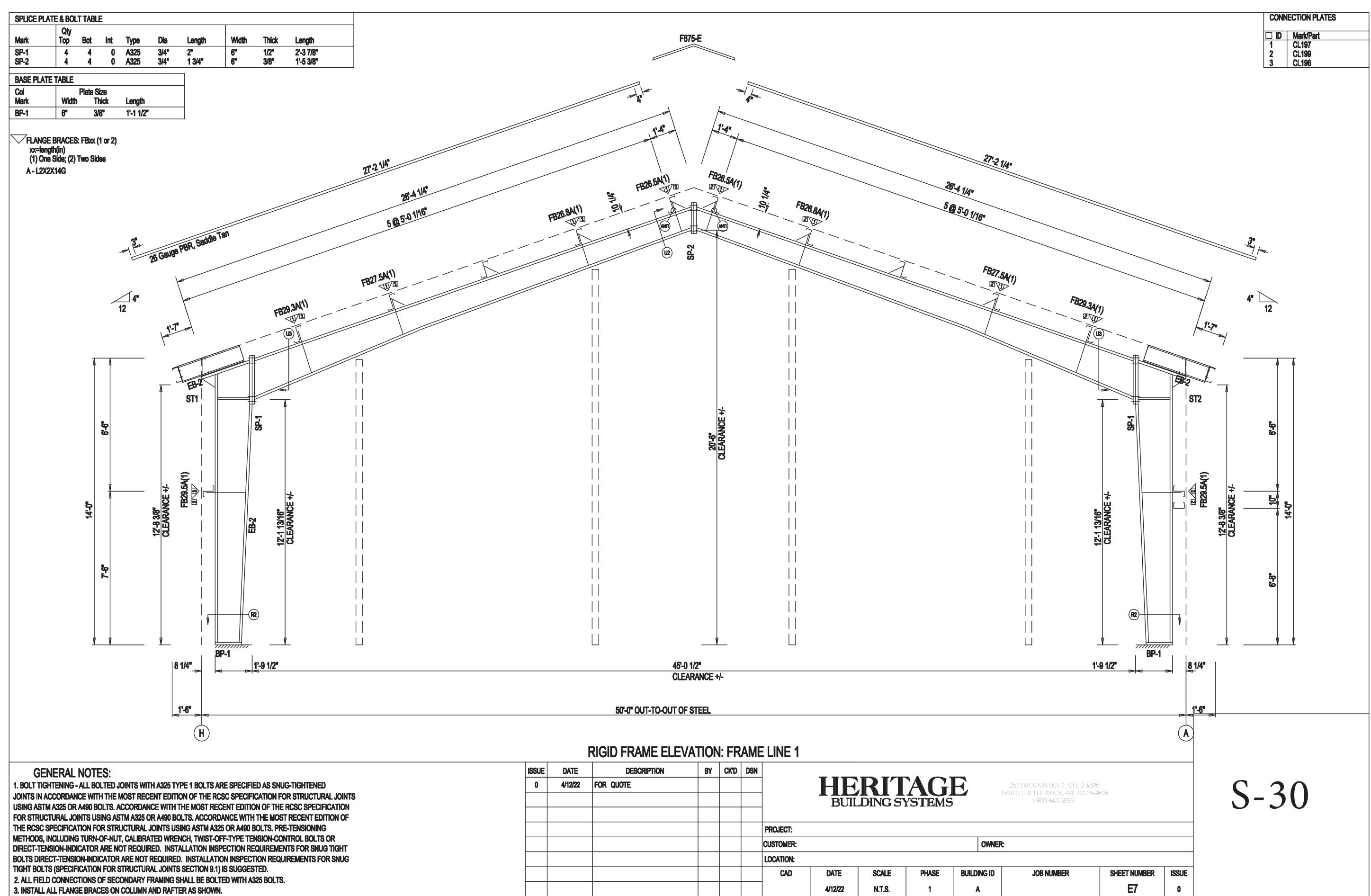
SSUE	DATE	DESCRIPTION	BY	CKD	DSN				
0	9/15/16	FOR ERECTOR INSTALLATION	X	X	X				
						PROJECT:	X		
						CUSTOMER:	X		
						LOCATION:	X		
						CAD	DATE	SCALE	PHASE
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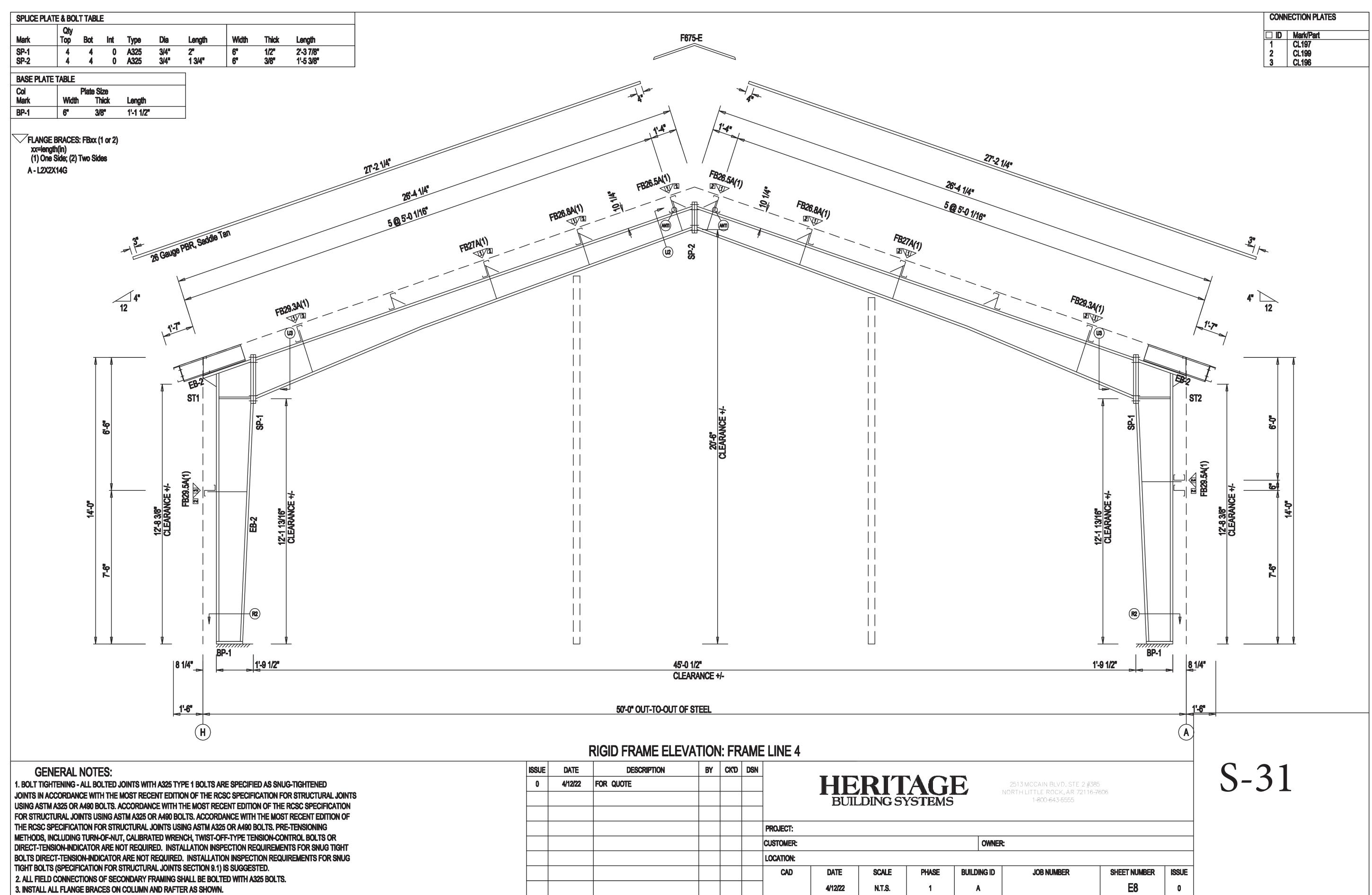




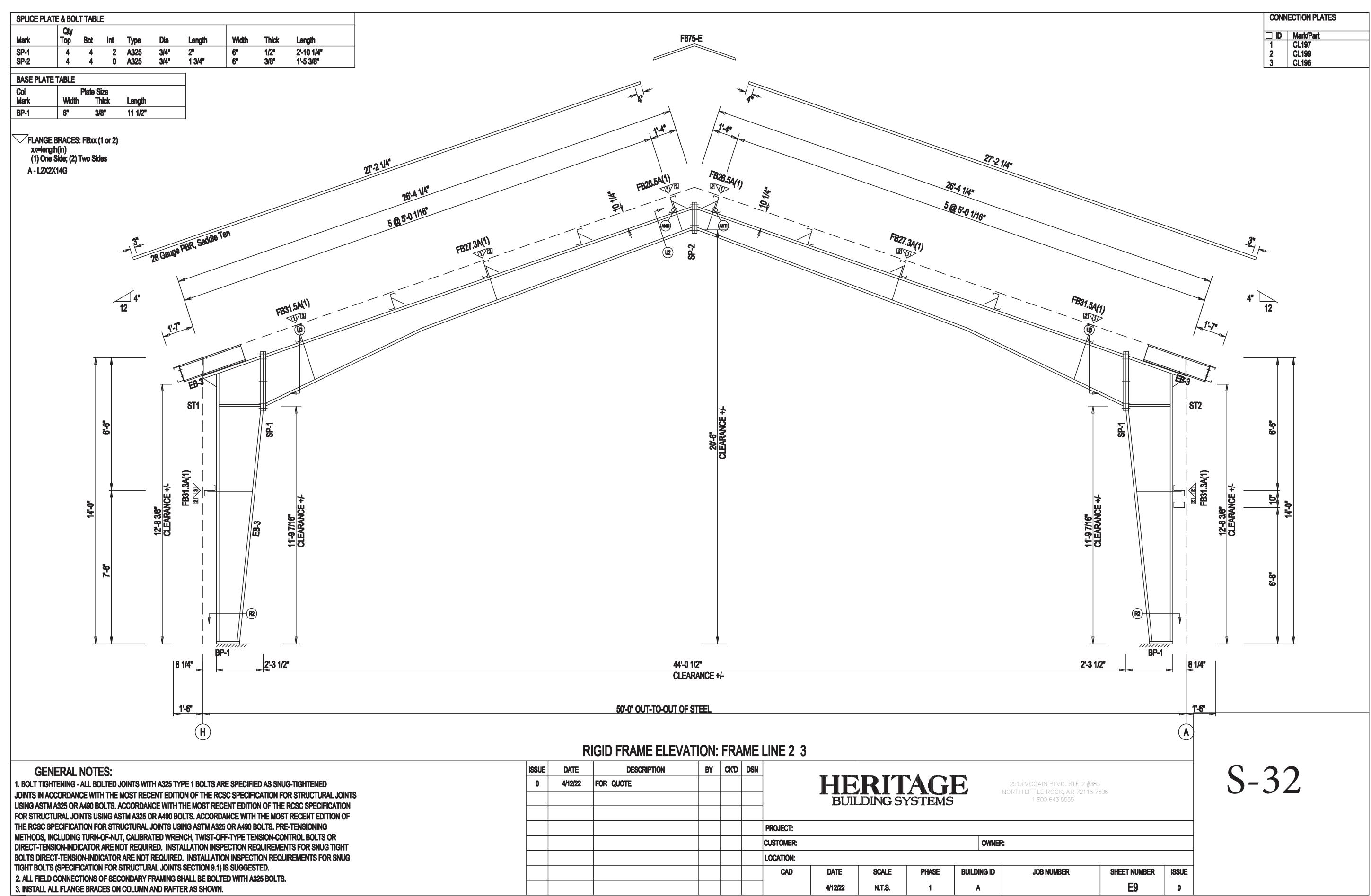




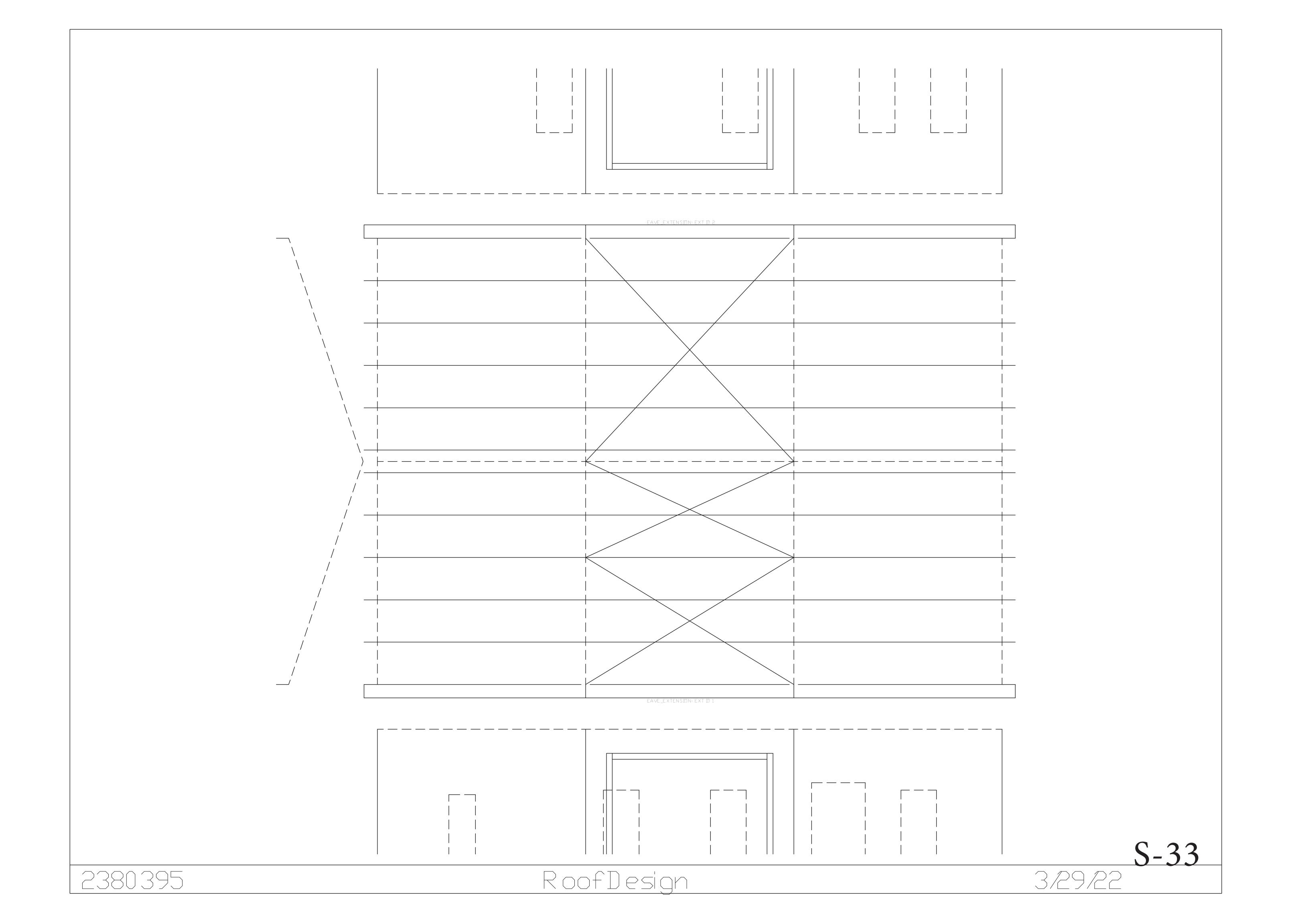
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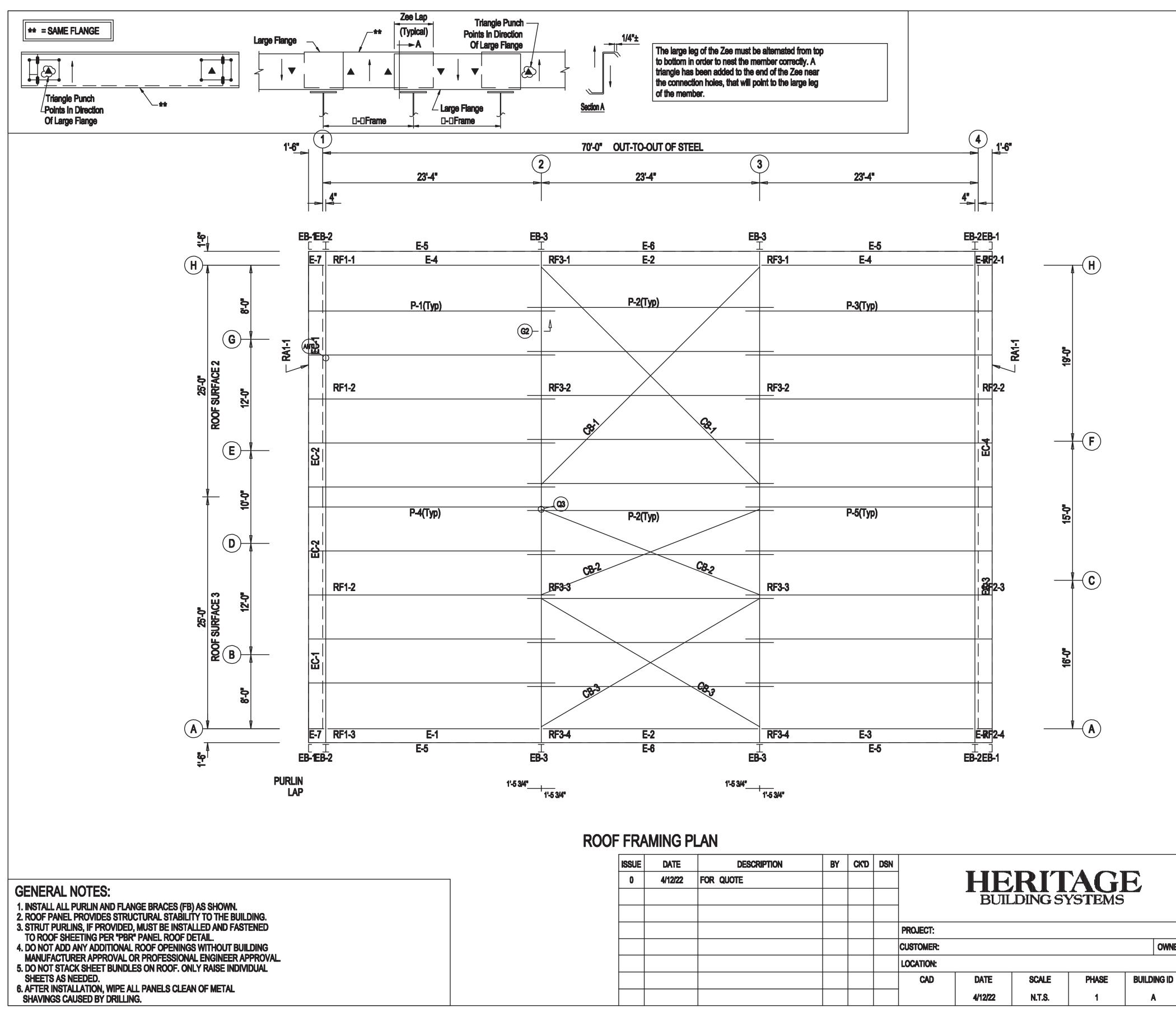


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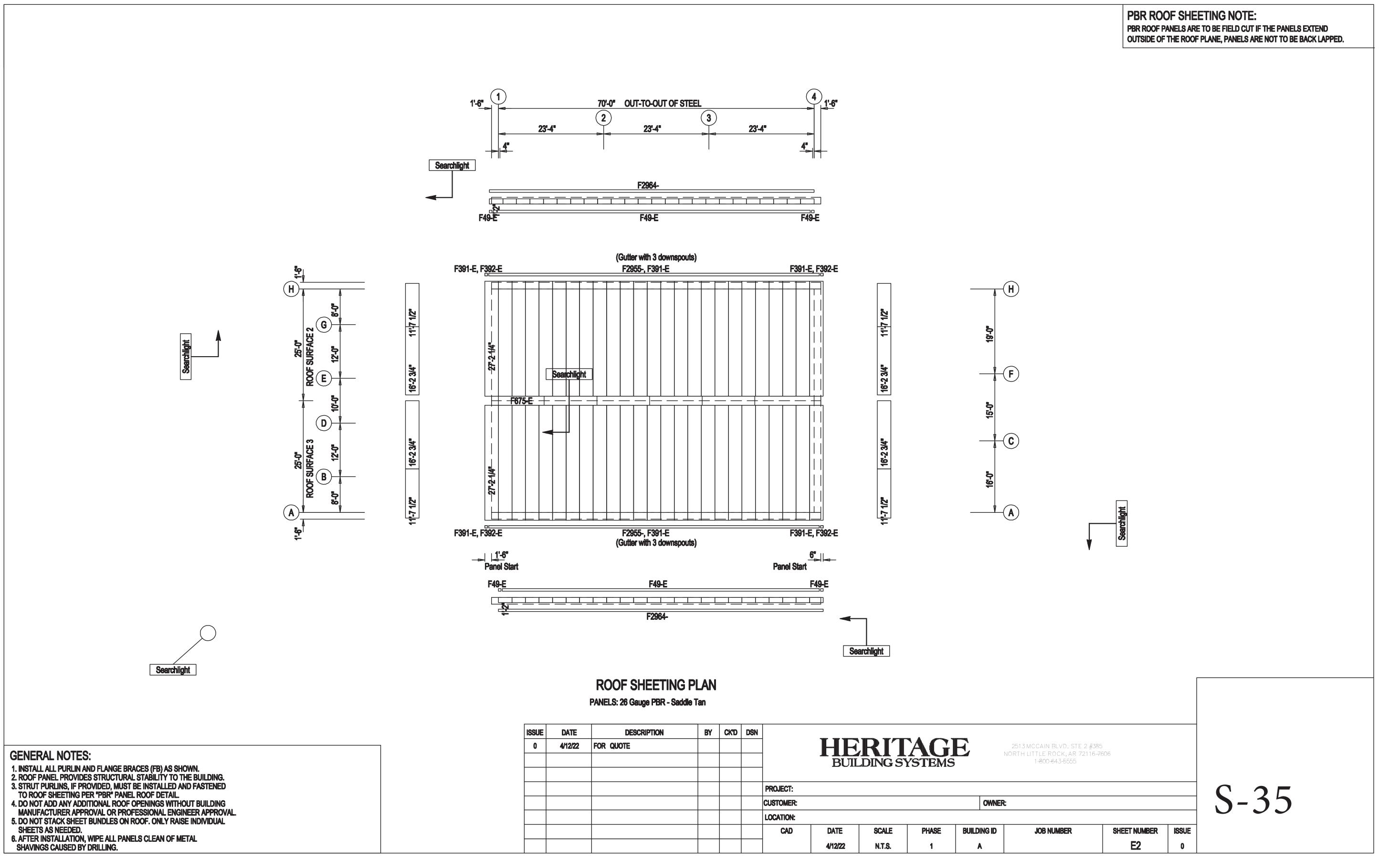
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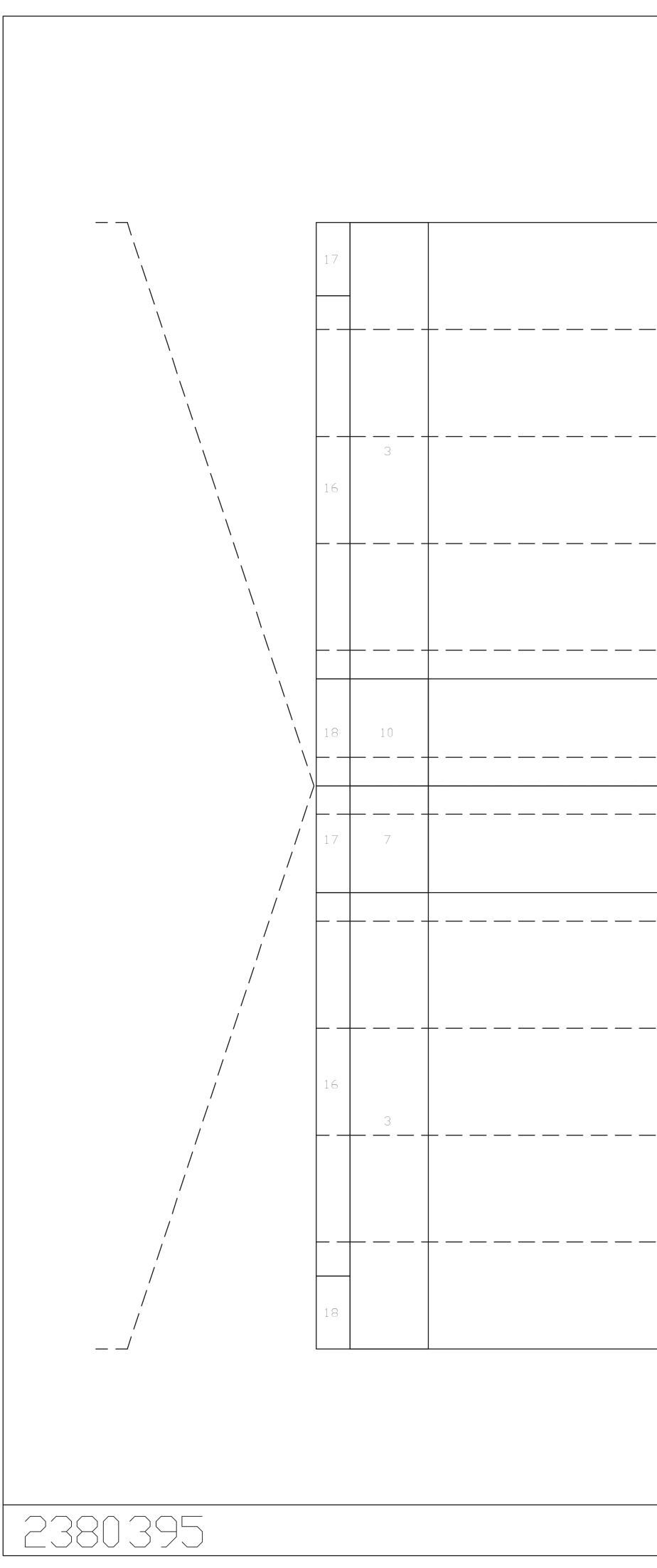


 E-2 E-6	RF3-4 EB-3 1'-5 3/4"		E-3 E-			 E-₽₽F EB-2EB-1		A					
RAMING E Date 4/12/22	PLAN DESCRIPTION	BY	CKD	DSN		HE	DING SY	AG	E	2513 MCCAIN BLVD. STE 2 #385 NORTH LITTLE ROCK, AR 72116-7 1-800-643-5555	5 7606		S-34
					PROJECT: CUSTOMER: LOCATION: CAD	DATE 4/12/22	SCALE N.T.S.	PHASE 1	OWNEF BUILDING ID A	JOB NUMBER	SHEET NUMBER E1	ISSUE	

EXTENSION/CANOPY BOLT ROOF PLAN	TS			
MARK	QUAN	TYPE	DIA	LENGTH
EB-2	4	A325	1/2"	1 1/4"
EB-3	4	A325	1/2"	1 1/4"



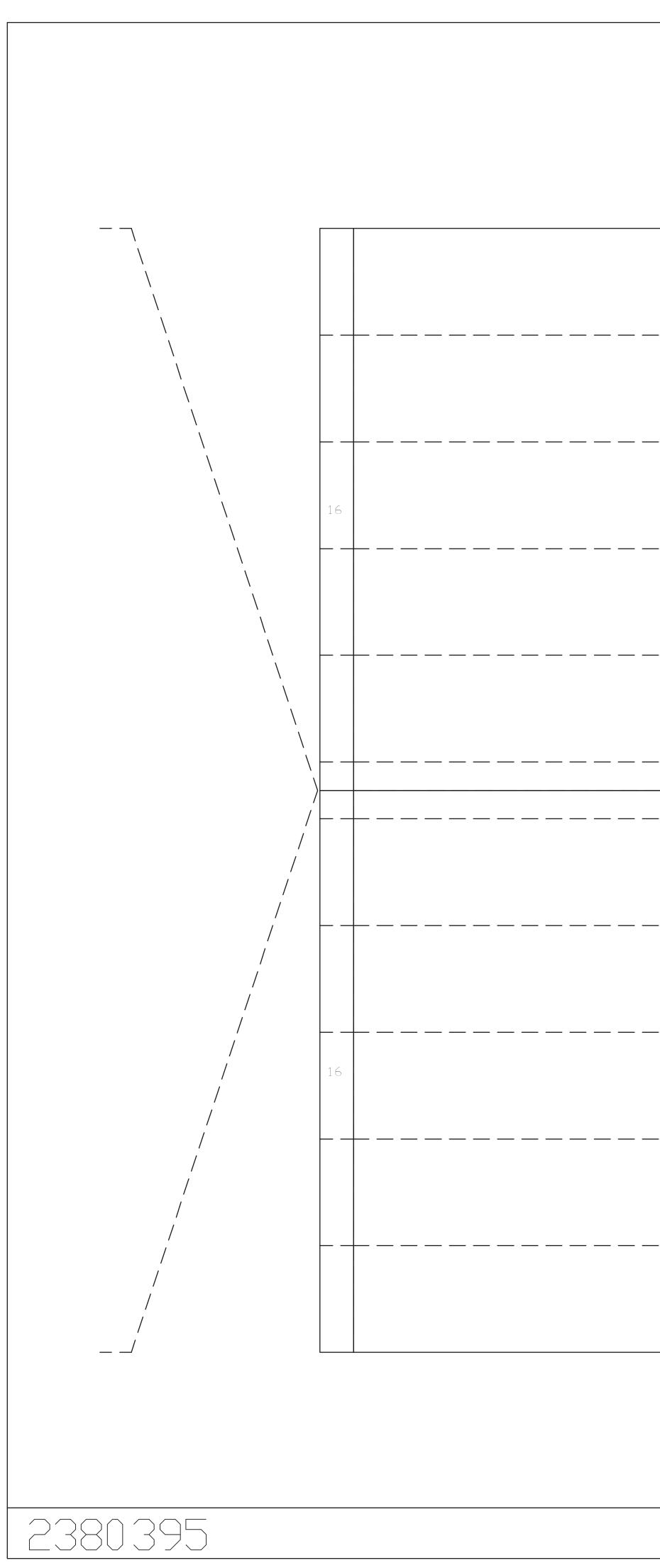
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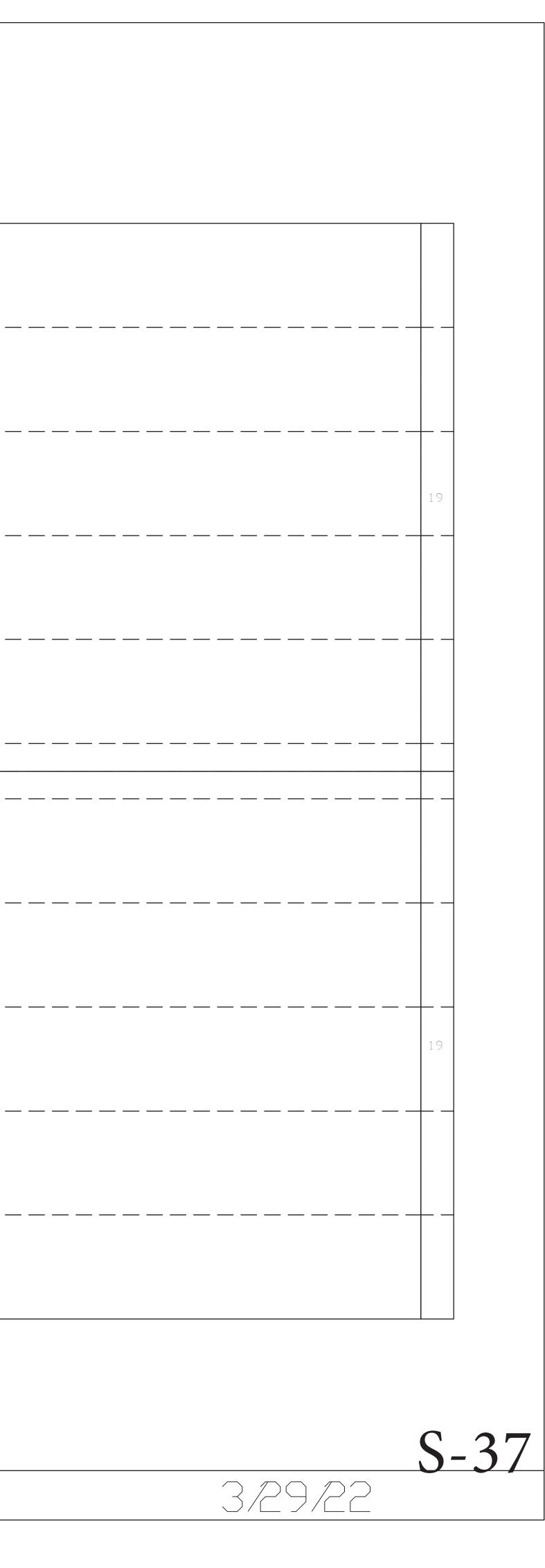
RoofDesign

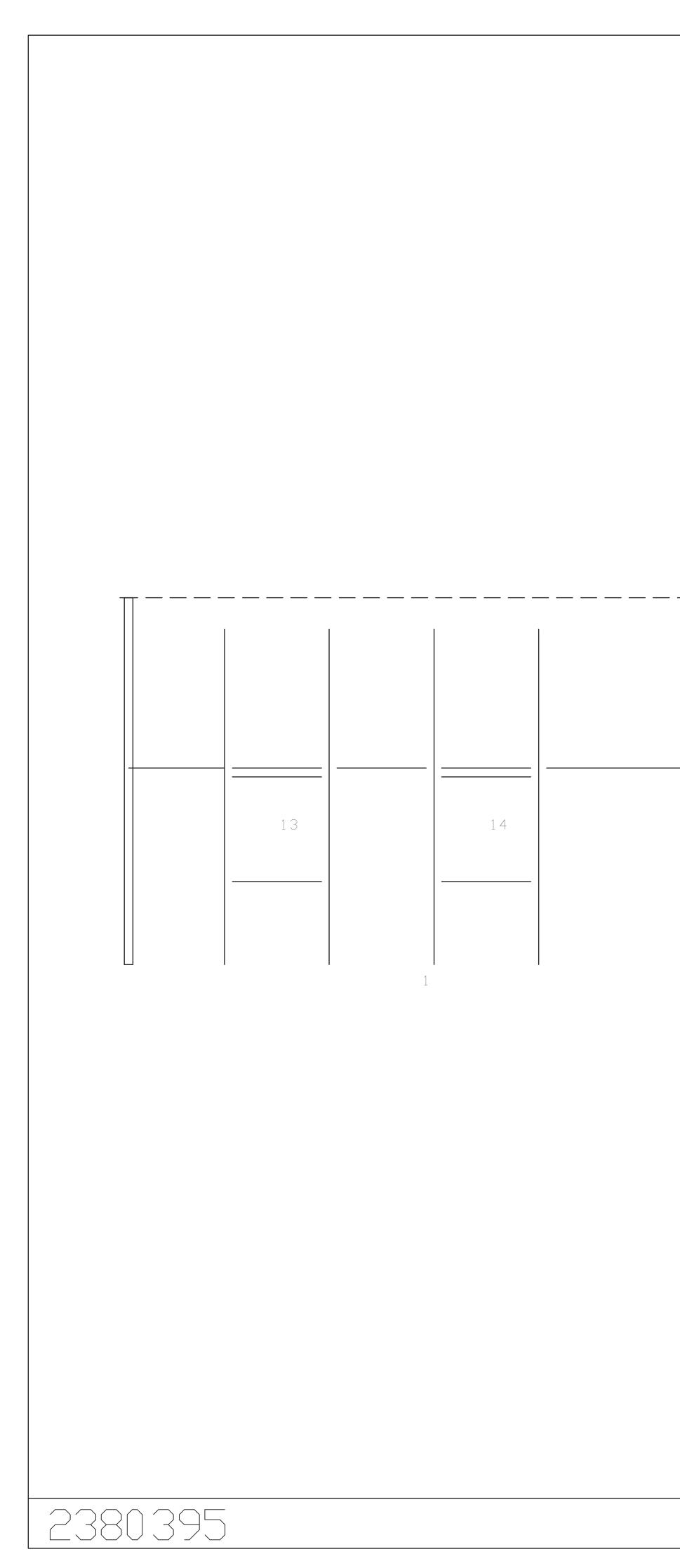
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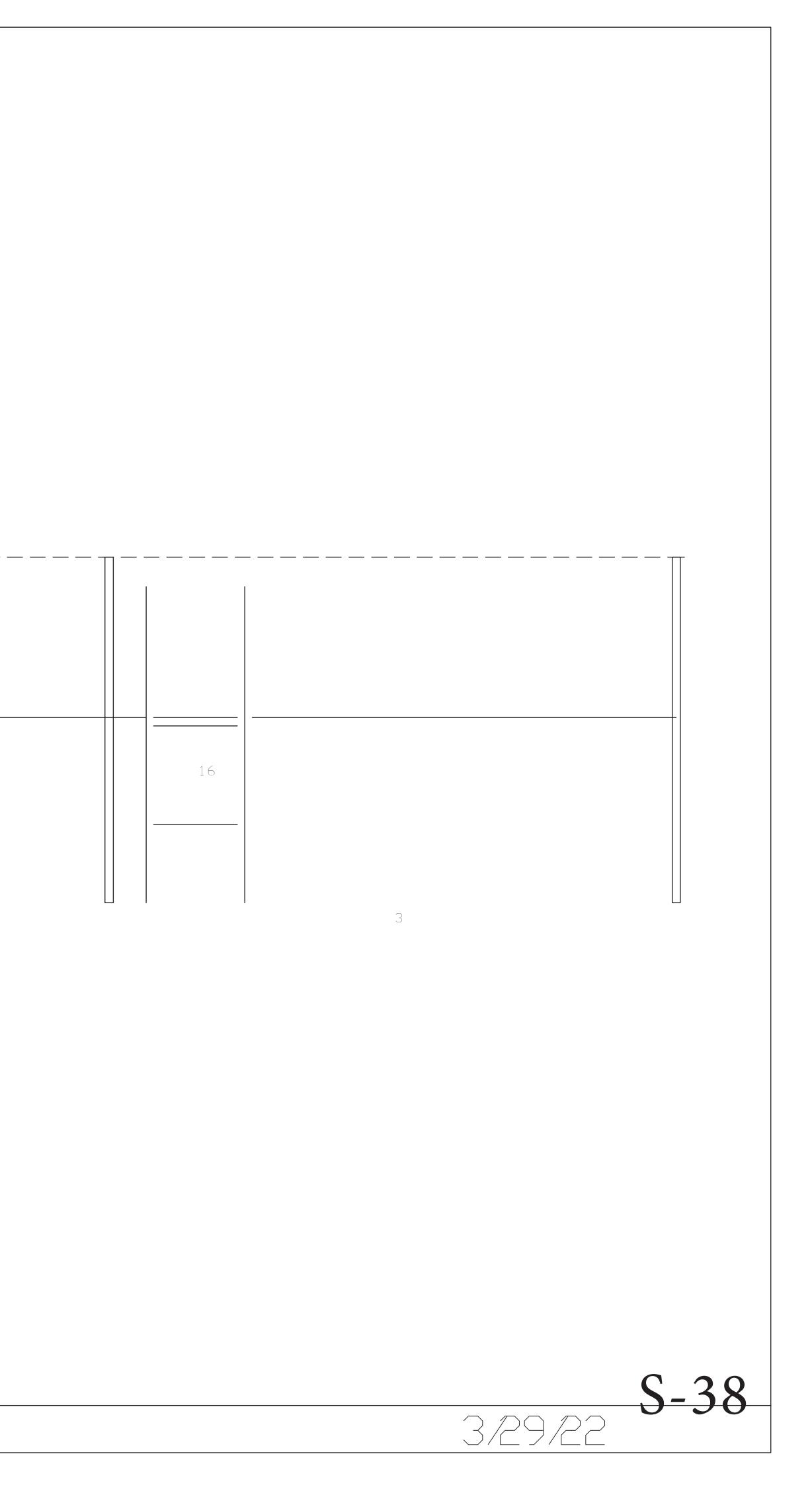
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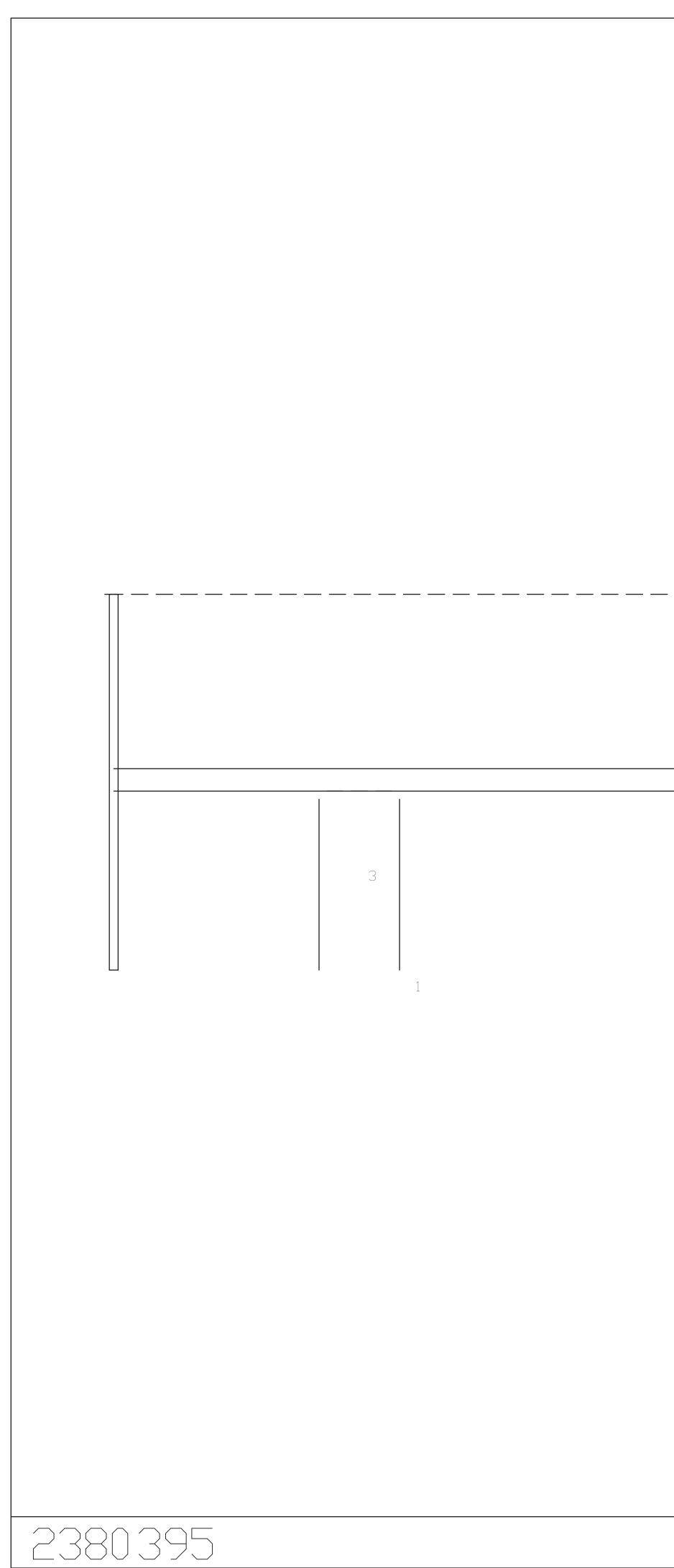






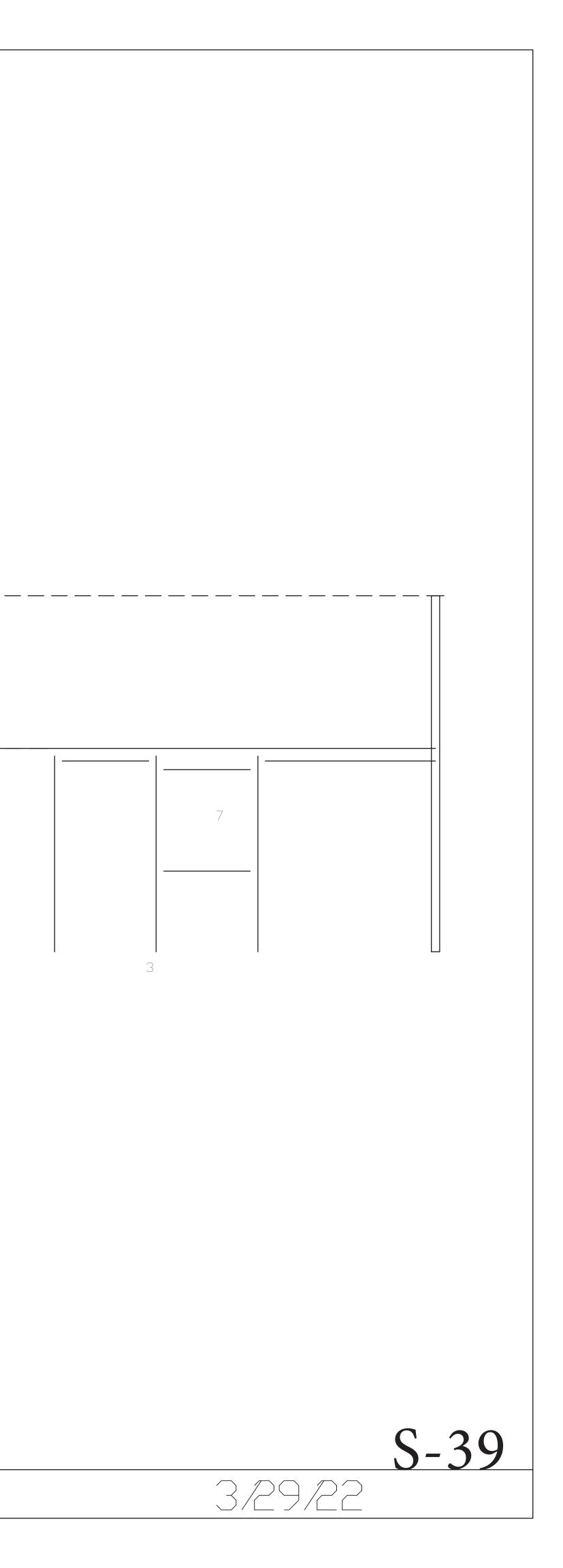
Back Sidewall Design

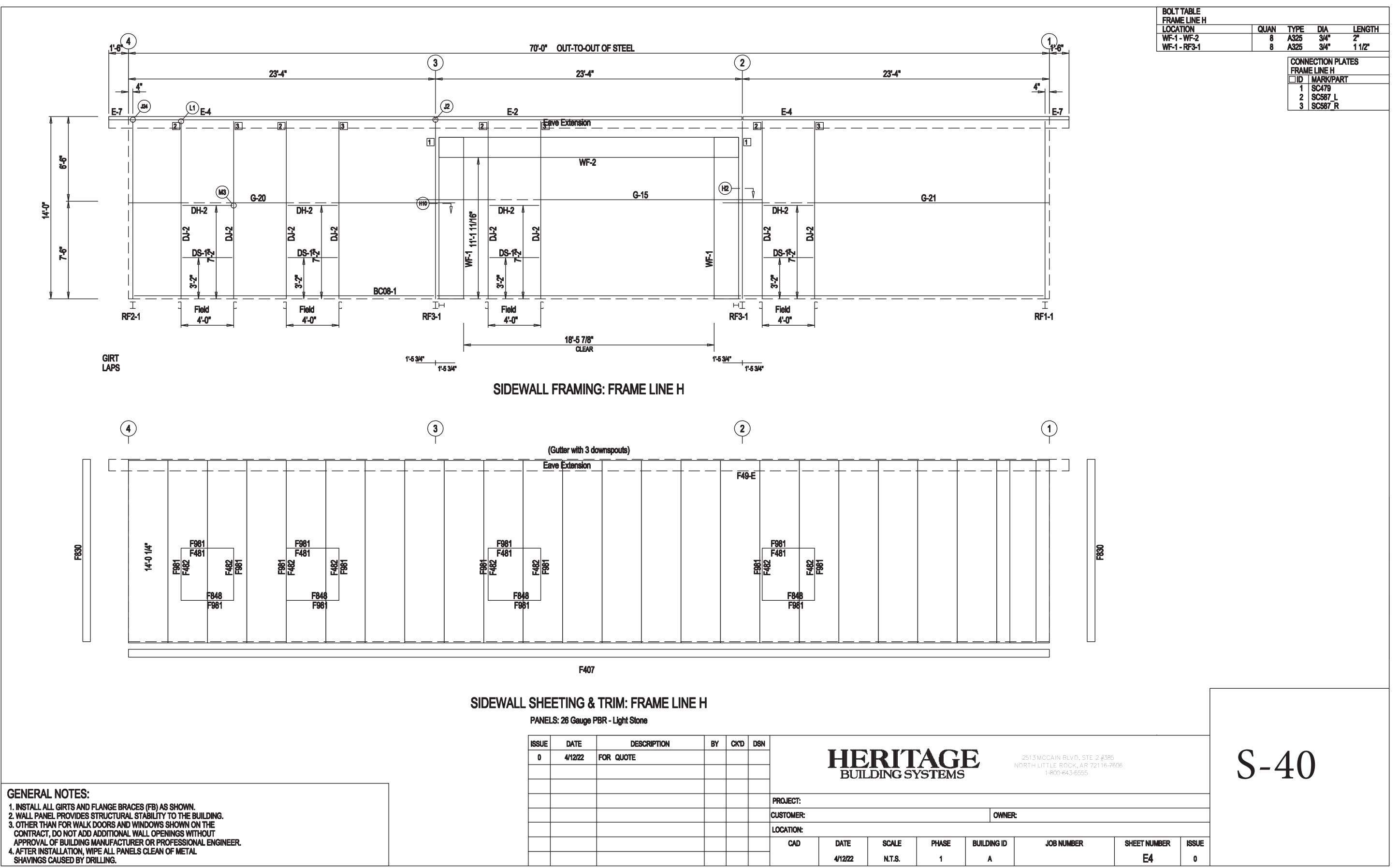




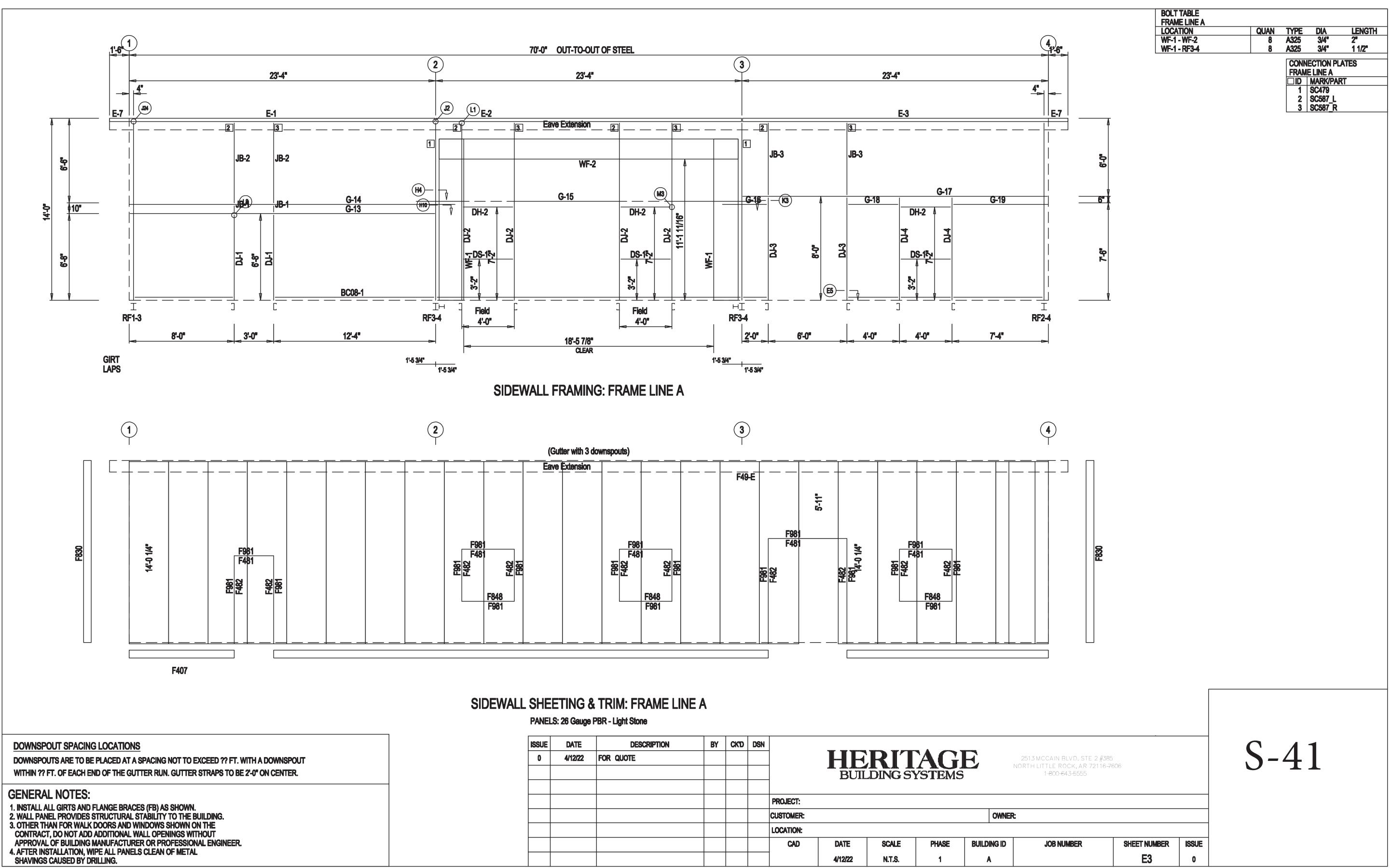
FrontSidewall Design

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