

**Building Information**

Building Width: <u>105'-0</u>	Front Eave Ht.: <u>20'-0</u>
Building Length: <u>147'-6</u>	Back Eave Ht.: <u>20'-0</u>
Roof Panel Type: <u>26 Ga. R-Panel</u>	Roof Color: <u>GALVALUME PLUS</u>
Wall Panel Type: <u>26 Ga. R-Panel</u>	Wall Color: <u>TBD</u>
Roof Trim Color: <u>TBD</u>	Wall Trim Color: <u>TBD</u>

**Material Specifications**

- Primary Framing:**  
Web Plates, ASTM A529, A572, A1011, Grade 55  
Flanges, ASTM A529, A572, Grade 55
- Secondary Framing:**  
Galvanized 16Ga, 15Ga, 14Ga, 13Ga, 12Ga, ASTM A653 G90, Grade 55, Min. Yield 55 ksi.
- Roof & Wall Covering:**  
26Ga Painted and Unpainted ZA., ASTM A792 AZ50, Grade 50 & 80  
24Ga Painted and Unpainted ZA., ASTM A792 AZ50, Grade 50  
26Ga Painted Galvanized, ASTM A653 G90, AZ55 Grade 50 & 80  
24Ga Painted Galvanized, ASTM A653 G90, AZ55 Grade 50
- Bracing:**  
Cables, ASTM A475 Extra High Strength Grade.  
Angles, ASTM A36, Min. Yield 36 ksi.  
Rods, A529 Grade 50
- Bracing and Columns:**  
Pipe, ASTM A53 Grade B, Min. Yield 35 ksi.  
Round HSS, ASTM A500 Grade B, Min. Yield 42 ksi.  
Rect. HSS, ASTM A500 Grade B, Min. Yield 46 ksi.
- Bolts:**  
High Strength Bolts, ASTM A325-N, Washer under turning element. Machine Bolts, ASTM A307.  
Anchor Bolts (Not By CBC) Sized Based on A36 Material.
- Shop Coating:**  
All Steel members except galvanized secondary framing, cables, bolts and screws shall receive one shop coat.

**Product Certifications**

- IAS International Accreditation Services, Inc. Approved Fabricator AC-472, MB-152.
- City of Los Angeles, CA. Approved Type I Fabricator No. 1436.
- City of Riverside, CA. Approved Type I Fabricator No. SP07-0091.
- Clark County, Approved Steel Fabricator No. 404.

**Design Loads**

This steel building is designed utilizing the following loads, in compliance with the pertinent provisions of the California Building Code, 2019 Edition (CBC 2019).

All accessories such as doors, windows, etc. not by CBC Steel Buildings, must be designed as Structural Components in accordance with the Wind Load provisions of the applicable Codes and Specifications referenced on this page.

The Builder and/or the Engineer of Record must confirm that the following loads meet the requirements of the local building department. CBC Steel Buildings and the undersigned are "NOT" the Engineer of Record for the entire project.

**Codes & Specifications**

The design of this structure is in compliance with the CBC specifications and standards, utilizing the pertinent provisions and recommendations of the following Codes.

- California Building Code, 2019 Edition (CBC 2019).
- American Institute of Steel Construction, Fifteenth Edition (AISC 360-16 & AISC 341-16).
- American Iron and Steel Institute, 2016 Edition (AISI S100-16).
- Metal Building Manufacturers Association, 2018 Edition (MBMA, 2018).
- American Welding Society, Structural Welding Code (AWS D1.1, 2015).

Building Dead Load 5.0 psf (Total)  
Collateral Load 5.0 psf  
Live Load 20 psf  
Live Load Reduction Allowed Yes  
Snow Load, Roof 0 psf  
Snow Load, Ground 0 psf  
Ce 1.0  
Impt. Factor 1.10

Wind Load, Speed          Vult: 110 mph, Vasd: 85 mph  
Exposure          C  
Wind Enclosure          Enclosed, GCpi = ±0.18  
Impt. Factor 1.0  
Kzt 1.0

Earthquake Load  
Risk Category: III  
Impt. Factor: 1.25  
Ss = 53.90% S1 = 24.60%  
Sds = 0.49 Sd1 = 0.35  
Seismic Site Class: D  
Seismic Design Category: D

Equivalent Lateral Force Procedure  
Lateral Direction:  
Ordinary Moment Frame (OMF)  
R = 3.50, Omega = 2.50, V = CsW, Cs = 0.18  
Longitudinal Direction:  
Ordinary Concentrically Braced Frame (OCBF)  
R = 3.25, Omega = 2.00, V = CsW, Cs = 0.19

Other Loads:  
Mezzanine:  
Live Load          N/A  
Dead Load          N/A  
Crane Load          N/A

**Inspections**

- Shop Welding inspection is not required according to the approved status of the above Certifications. No field welding is required by CBC Steel Buildings. However, if any field welding is required due to any field modifications, special inspection is required.
- Special inspection is required for high strength bolts. The Turn of the Nut method of tightening is recommended, under the supervision of an independent testing laboratory. Alternate methods of tightening may be used as permitted in the Specification for Structural Joints Using ASTM A325 or A490 Bolts (AISC Fifteenth Edition). CBC Steel Buildings shall not be responsible for administration or costs associated with the inspection process.
- Special inspections and testing that may be required by governmental or other authority during construction and/or steel fabrication (collectively, "inspections") are not the responsibility of CBC, and to the extent required it shall be the responsibility of the builder and/or owner. In the event the inspections are required, the builder and/or owner shall employ a third-party quality assurance testing agency approved by the relevant authority. If such requirements are not specifically included in CBC sales documents, no inspections by CBC or at any Nucor facility shall be made. All CBC/NBG facilities are accredited by IAS AC472.

**Drawing Status**

- Preliminary:  
These drawings are conceptual only and are not to be used for the permit or construction process.
- For Permit:  
These drawings are Final and are for review by the building official or others. This set is not intended for construction, as piece markings have not been identified, nor is it intended for the ANCHOR BOLT PLAN to be poured.
- For Construction:  
Erection drawings, identified as "Detailed for Fabrication".

**Special Notes**

N/A

**GLOSSARY OF ABBREVIATIONS**

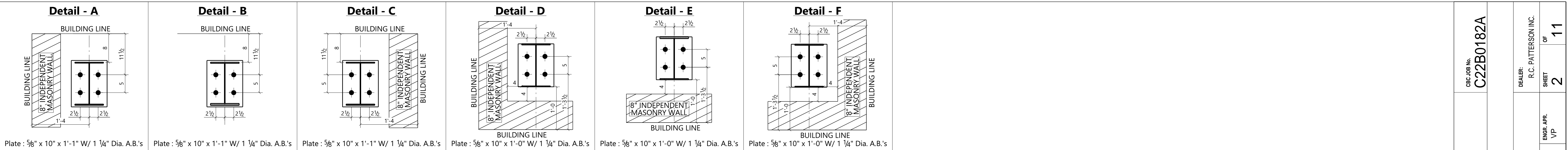
A.B. = Anchor Bolts	H.S.B. = High Strength Bolts	PL. = Plate
B.S. = Both Sides	Ht. = Height	Req'd = Required
B.U. = Built-Up	M.B = Machine bolts	Rev. = Revision
Dia. Diameter	Max. = Maximum	Stiff. = Stiffener
Flg. = Flange	Min. = Minimum	T.B.D. = To Be Determined
F.S. = Far Side	N.S. = Near Side	Typ. = Typical
Ga. = Gauge	O.C. = On Center	U.N.O. = Unless Noted Otherwise
?? = Part Mark to be determined and will be updated on For Construction drawings		

**Special Bolting Connection Inspection Req. (Made with A325 Bolts)**

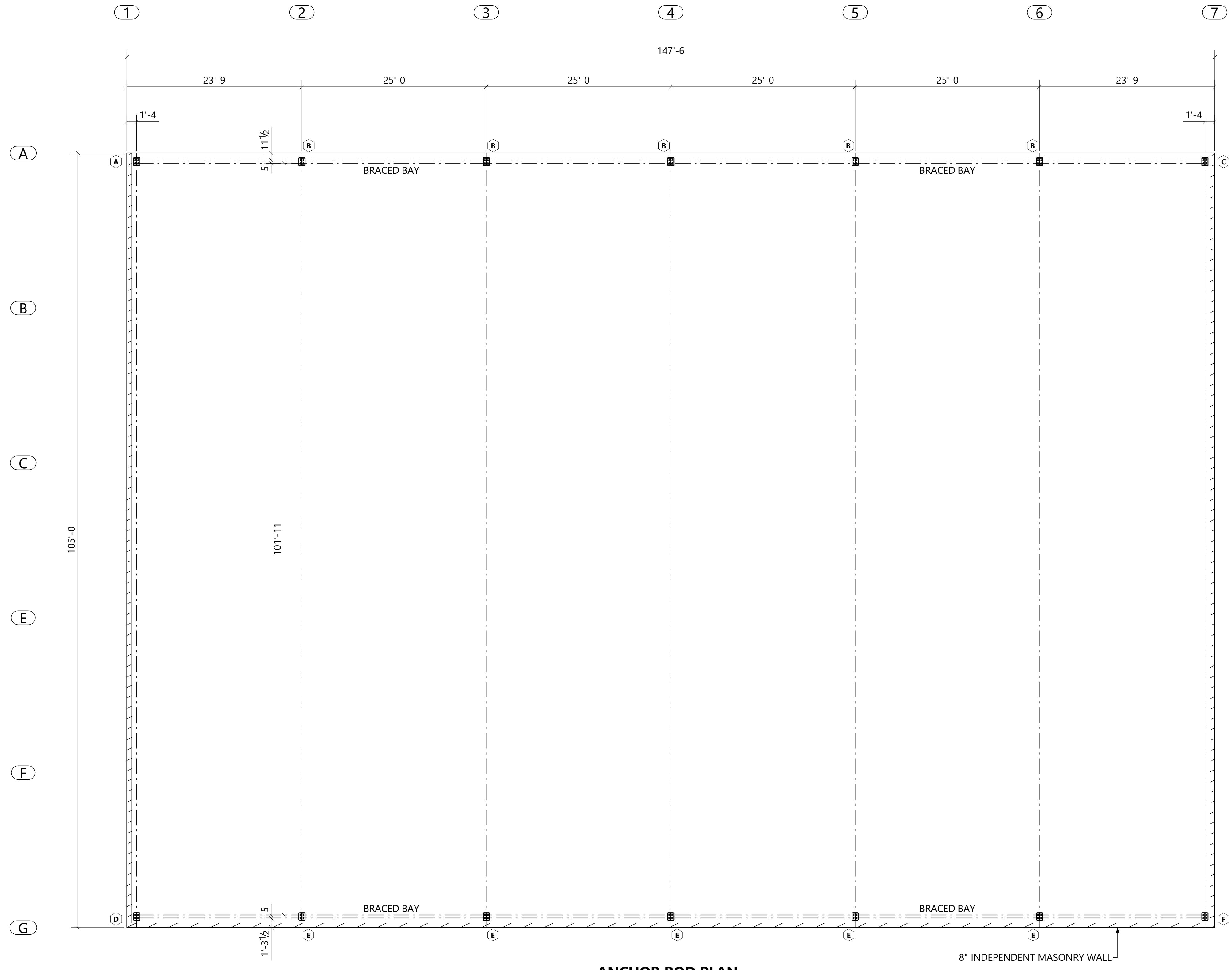
- Pre-tensioning of A325 bolts is required on primary framing, bolted bracing, and strut connections if located in seismic performance/design category "D", "E" or "F".
- Slip critical connections are not required by CBC Steel Buildings
- 1/2" A325 bolts do not require pre-tensioning unless noted.

<b>GENERAL INFORMATION</b>	<b>CBC JOB No. C22B0182A</b>	<b>DEALER: R.C. PATTERSON INC.</b>	<b>SHEET 1</b>	<b>OF 11</b>
<b>CUSTOMER: ROB KERTH ICE LAND</b>	<b>LOCATION: SACRAMENTO, CA 95815</b>	<b>ENGR. APR. VP</b>	<b>DATE</b> 9/19/2022	<b>SCALE</b>
<b>CBC STEEL BUILDINGS A Nucor Company</b>				
<b>IAS</b> IAS INTERNATIONAL ACCREDITATION SERVICES, INC.				
<b>MBMA</b> METAL BUILDING MANUFACTURERS ASSOCIATION				
<b>CBC</b> P.O. BOX 8009, LATHROP, CA 95330 OFFICES: SANTA FE SPRING, CA 92750 / LATHROP, WA 98665 / ST. LOUIS, MO 63102 (800) 866-0099 FAX: (509) 888-2524				
<b>9/19/22</b>				<b>DATE</b>
				<b>BY</b>
				<b>REV</b>





SEE CALCS FOR REACTIONS



ANCHOR ROD PLAN

(2) 1 1/4" dia. bolts @ 28 Places See Details

Anchor Rod Plan General Notes:

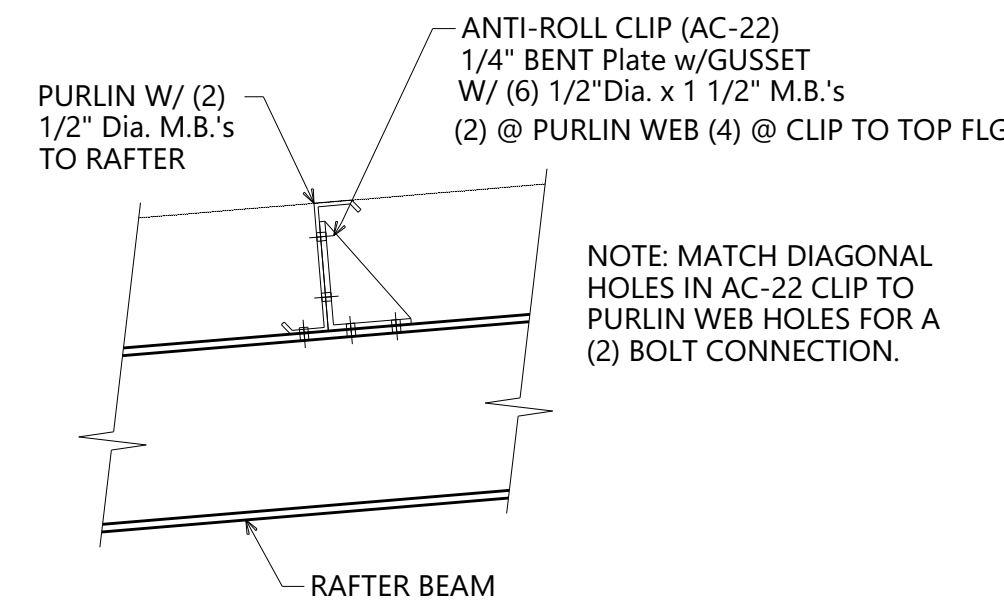
- AN1:** THE SPECIFIED ANCHOR ROD DIAMETER ASSUMES F1554 GRADE 36 UNLESS NOTED OTHERWISE. ANCHOR ROD MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER. ANCHOR ROD EMBEDMENT LENGTH SHALL BE DETERMINED BY THE FOUNDATION DESIGN ENGINEER.
- AN2:** METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR PROJECT FOUNDATION DESIGN. THE FOUNDATION DESIGN IS THE RESPONSIBILITY OF A REGISTERED PROFESSIONAL ENGINEER, FAMILIAR WITH LOCAL SITE CONDITIONS.
- AN3:** ANCHOR RODS, NUTS, FLAT WASHERS FOR ANCHOR RODS, EXPANSION BOLTS, AND CONCRETE/MASONRY EMBEDMENT PLATES ARE NOT BY METAL BUILDING MANUFACTURER.
- AN4:** THE ANCHOR ROD LOCATIONS PROVIDED BY METAL BUILDING MANUFACTURER SATISFY PERTINENT REQUIREMENTS FOR THE DESIGN OF THE MATERIALS SUPPLIED BY THE METAL BUILDING MANUFACTURER. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO MAKE CERTAIN THAT SUFFICIENT EDGE DISTANCE IS PROVIDED FOR ALL ANCHOR RODS IN THE DETAILS OF THE FOUNDATION DESIGN.
- AN5:** DRAWINGS ARE NOT TO SCALE. SEE DETAILS FOR COLUMN ORIENTATION.
- AN6:** THE ANCHOR ROD PLAN INDICATES WHERE THE ANCHOR RODS ARE TO BE PLACED AS WELL AS THE FOOTPRINT OF THE METAL BUILDING. IT IS ESSENTIAL THAT THESE ANCHOR ROD PATTERNS BE FOLLOWED IF THESE SETTINGS DIFFER FROM THE ARCHITECTURAL FOUNDATION PLANS. THE METAL BUILDING MANUFACTURER MUST BE CONTACTED IMMEDIATELY - BEFORE CONCRETE IS PLACED.
- AN7:** ALL DIMENSIONS ARE OUT TO OUT OF STEEL. IF CONCRETE NOTCH IS REQUIRED THEN THE REQUIRED DIMENSION SHOULD BE ADDED TO OBTAIN THE OUT TO OUT OF CONCRETE DIMENSIONS.
- AN8:** FINISHED FLOOR ELEVATION = 100'-0" BOTTOM OF BASE PLATE = 100'-0" UNLESS NOTED OTHERWISE.

<b>ANCHOR ROD PLAN</b> CUSTOMER: <b>ROB KERTH ICE LAND</b> LOCATION: <b>SACRAMENTO, CA 95815</b>		CBC JOB No. <b>C22B0182A</b> DEALER: <b>R.C. PATTERSON INC.</b>
PLOT DATES:	DATE: <b>9/19/2022</b> SCALE:	ENGR. IPR. <b>VP</b> DRAWN <b>JDM</b> SHEET <b>2</b> OF <b>11</b>
9/19/22	BY	DATE
REV.	BY	DATE

**MATERIAL DESCRIPTION**  
NOTE: ALL LIGHT GA. MAT'L GALVANIZED

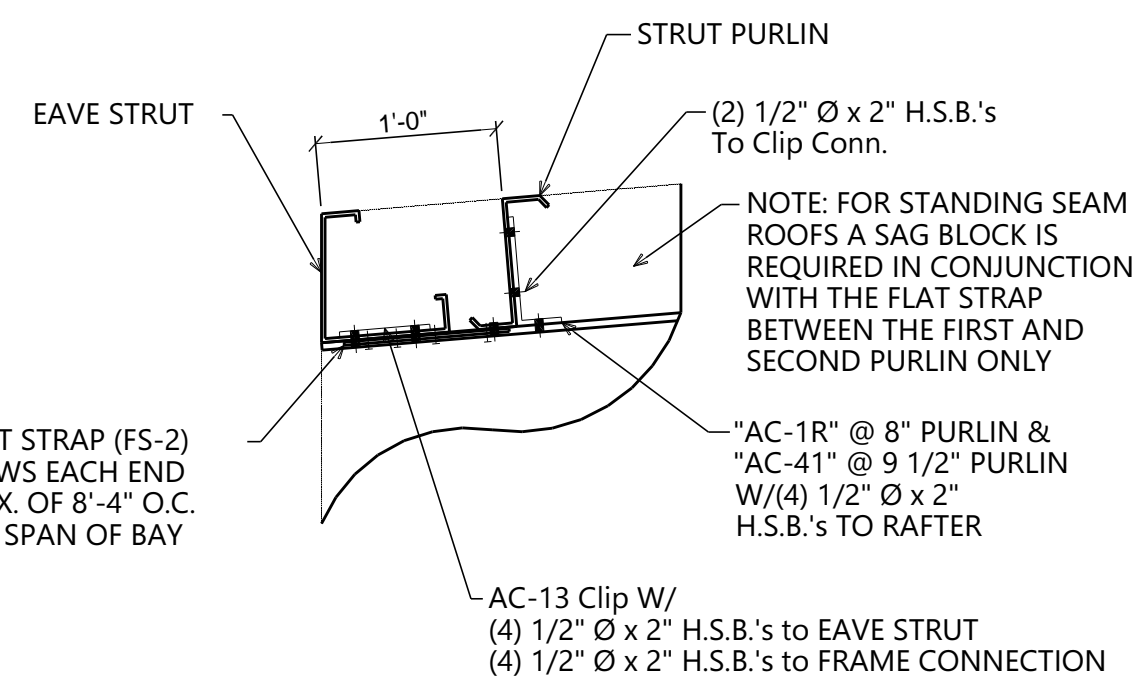
GE8- EAVE STRUT 8" x 8" x 16 Ga. "Cee"	FC- STRUCTURAL BUILT-UP COLUMNS
GEX- EAVE STRUT 9 1/2" x 8" x 14 Ga. "Cee"	FR- STRUCTURAL BUILT-UP RAFTERS
GR8- CORNER POSTS 8" x 8" x 16 Ga. "Cee"	FM- STRUCTURAL BUILT-UP MISCELLANEOUS
RA-1 RAKE ANGLE 5" x 2" 16 Ga. 55 ksi	FM- WALL SUPPORT BEAM & STRUTS
FB- FLANGE BRACE 2" x 2" 16 Ga. 55 ksi	FA- STRUCTURAL ANGLES
WA- WINDOW FRAME ANGLE 2" x 2" 16 Ga.	FP- STRUCTURAL PIPES
PA- ROOF/WALL SHEETING 26 Ga. "R" PANEL	FT- STRUCTURAL TUBES
PB- ROOF/WALL SHEETING 24 Ga. "R" PANEL	FJ- 10 GA. PRESS BROKE MEMBERS
RC- RIDGE CAP 26 Ga. "R" PANEL	MC- STRUCTURAL CHANNELS
RD- RIDGE CAP 24 Ga. "R" PANEL	SB- SAG BLOCKING 5 1/4" x 7/8" x 16 Ga. "Zee"
PH- WALL SHEETING 26 Ga. REVERSE "R" PANEL	RB- RIDGE SAG BLOCKING 5 1/4" x 7/8" x 16 Ga. "Zee"
PJ- WALL SHEETING 24 Ga. REVERSE "R" PANEL	BC- BRACE CABLE 3/8" Ø
PD- WALL SHEETING 26 Ga. "A" PANEL	RS- BRACE RODS 5/8" Ø
PE- WALL SHEETING 24 Ga. "A" PANEL	RB- BRACE RODS 3/4" Ø
S3P- ROOF SHEETING STANDING SEAM SS-24 PANEL	RR- BRACE RODS 1" Ø
S3P- ROOF SHEETING STANDING SEAM MS-24 PANEL	R10- BRACE RODS 1 1/4" Ø
H9320 TRANSLUCENT "R" PANEL 3' x 10'-8"	R12- BRACE RODS 1 1/2" Ø
H9318 INSULATED TRANSLUCENT "R" PANEL 3' x 10'-8"	

<b>8" DEEP MEMBER DESCRIPTIONS</b>	<b>9 1/2" DEEP MEMBER DESCRIPTIONS</b>
ZS- ROOF PURLINS / WALL GIRTS 8" x 2 1/2" x 12 Ga. (0.099) "Zee"	ZX- ROOF PURLINS / WALL GIRTS 9 1/2" x 3" x 13 Ga. (0.099) "Zee"
ZK- ROOF PURLINS / WALL GIRTS 8" x 2 1/2" x 13 Ga. (0.089) "Zee"	ZU- ROOF PURLINS / WALL GIRTS 9 1/2" x 3" x 13 Ga. (0.089) "Zee"
ZL- ROOF PURLINS / WALL GIRTS 8" x 2 1/2" x 14 Ga. (0.075) "Zee"	ZV- ROOF PURLINS / WALL GIRTS 9 1/2" x 3" x 14 Ga. (0.075) "Zee"
ZM- ROOF PURLINS / WALL GIRTS 8" x 2 1/2" x 15 Ga. (0.067) "Zee"	ZW- ROOF PURLINS / WALL GIRTS 9 1/2" x 3" x 15 Ga. (0.067) "Zee"
ZN- ROOF PURLINS / WALL GIRTS 8" x 2 1/2" x 16 Ga. (0.060) "Zee"	CC- DOOR HEADERS/JAMBS & END POSTS 9 1/2" x 2 1/2" x 12 Ga. (0.099) "Cee"
CS- DOOR HEADERS/JAMBS & END POSTS 8" x 2 1/2" x 12 Ga. (0.099) "Cee"	CF- DOOR HEADERS/JAMBS & END POSTS 9 1/2" x 2 1/2" x 15 Ga. (0.087) "Cee"
CU- DOOR HEADERS/JAMBS & END POSTS 8" x 2 1/2" x 13 Ga. (0.089) "Cee"	UV- CAP CHANNEL 9 3/4" x 3" x 12 Ga.
CV- DOOR HEADERS/JAMBS & END POSTS 8" x 2 1/2" x 14 Ga. (0.075) "Cee"	UJ- CAP CHANNEL 9 3/4" x 3" x 13 Ga.
CT- DOOR HEADERS/JAMBS & END POSTS 8" x 2 1/2" x 15 Ga. (0.067) "Cee"	UL- CAP CHANNEL 9 3/4" x 3" x 14 Ga.
CW- DOOR HEADERS/JAMBS & END POSTS 8" x 2 1/2" x 16 Ga. (0.060) "Cee"	UD- CAP CHANNEL 9 3/4" x 3" x 15 Ga.
DX- DOUBLE CEE RAKE BEAM (2) 8" x 2 1/2" x 13 Ga. (0.089) "Cee"	
US- CAP CHANNEL 8 1/4" x 3" x 12 Ga.	
UK- CAP CHANNEL 8 1/4" x 3" x 13 Ga.	
UL- CAP CHANNEL 8 1/4" x 3" x 14 Ga.	
UT- CAP CHANNEL 8 1/4" x 3" x 15 Ga.	
UW- CAP CHANNEL 8 1/4" x 3" x 16 Ga.	
UR- "WRAP" HEADER CHANNEL 8" x 8 1/4" x 4" 14 Ga.	



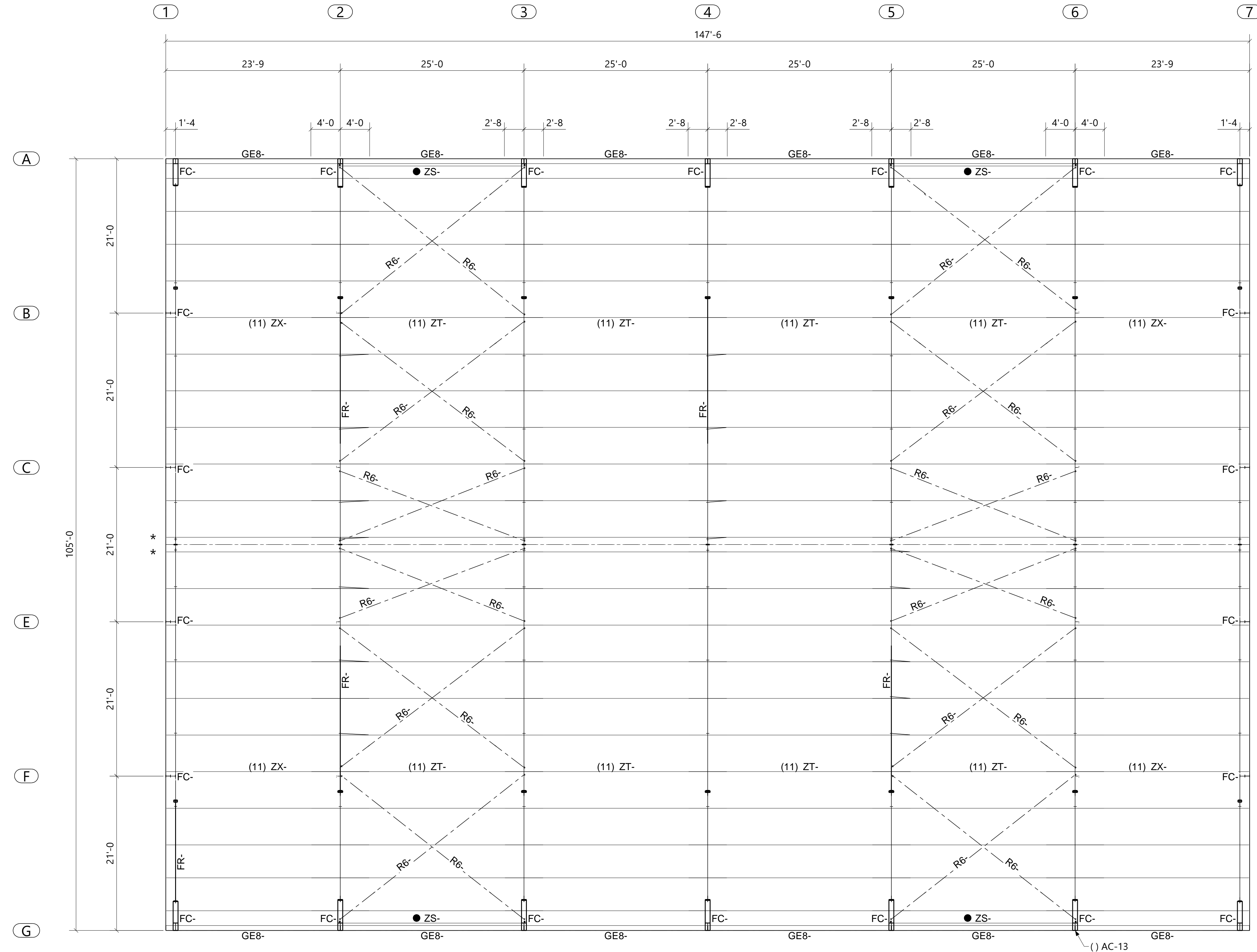
**ANTI-ROLL CLIP DETAIL**

\* - DENOTES CLIP DETAIL @ PURLIN RUN SHOWN



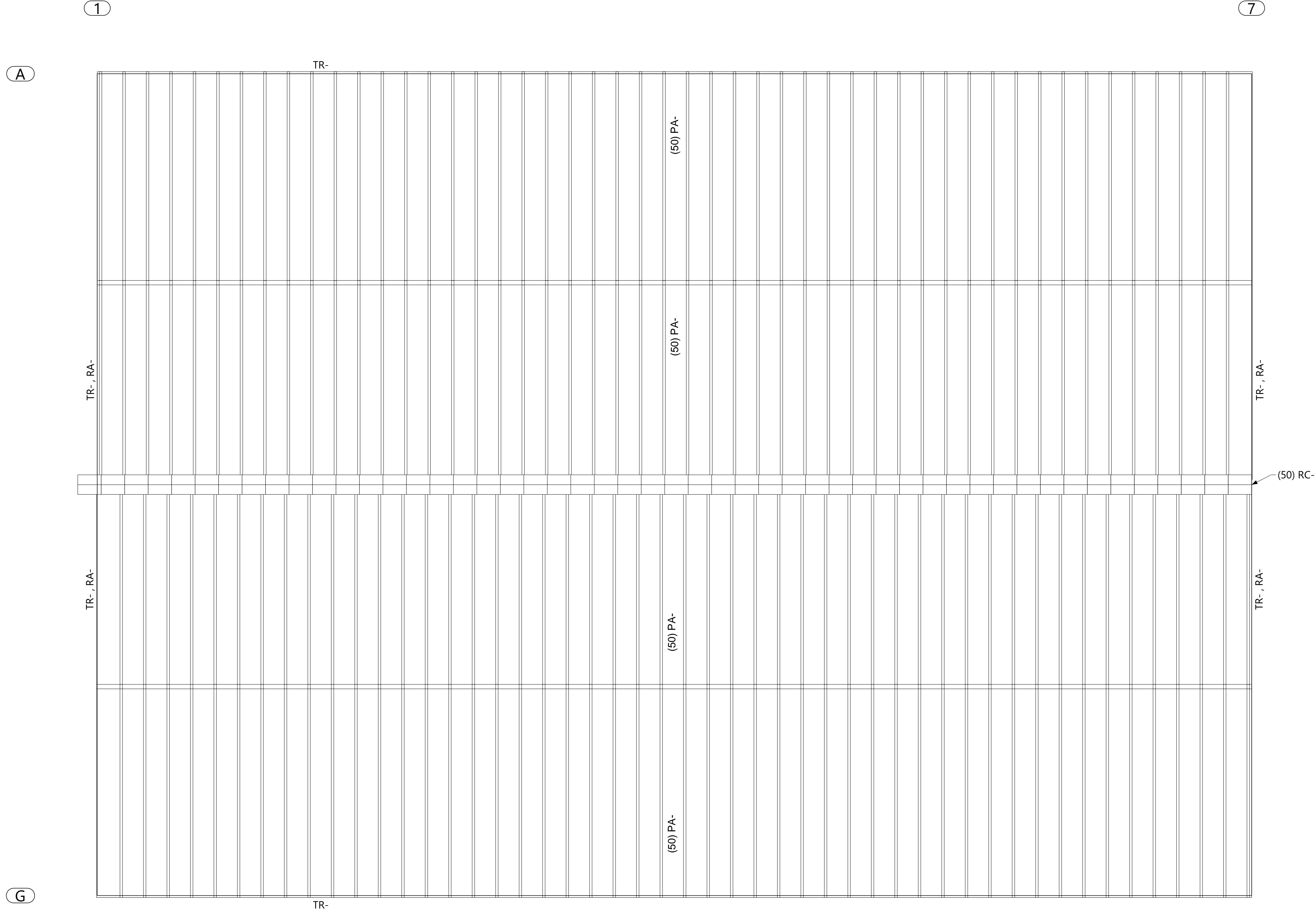
**EAVE STRUT PURLIN DETAIL**

● - DENOTES CLIP DETAIL @ PURLIN RUN SHOWN



**ROOF FRAMING PLAN**

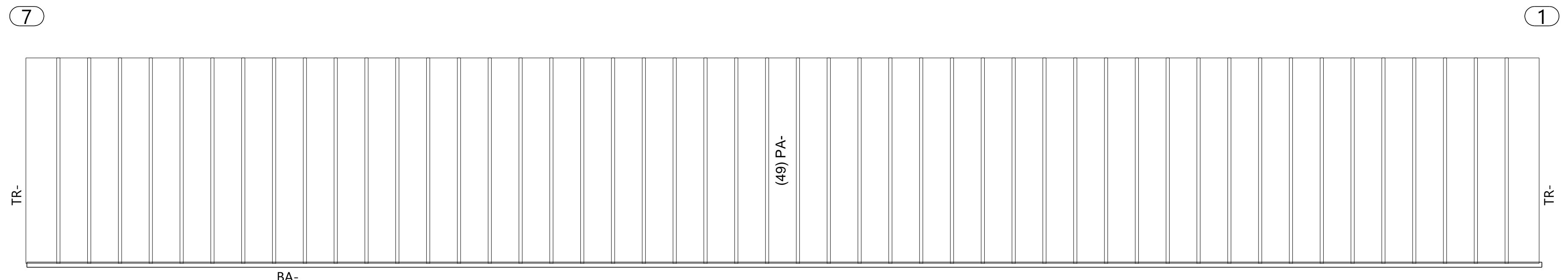
CEC JOB No. <b>C22B0182A</b>	DEALER: R.C. PATTERSON INC.	SHEET <b>3</b> OF <b>11</b>
<b>ROOF PLAN</b> CUSTOMER: <b>ROB KERTH ICE LAND</b> LOCATION: <b>SACRAMENTO, CA 95815</b>		
ENGR. IPR. VP	DRAWN JDM	DATE 9/19/2022
SCALE 9/19/2022		
PLOT DATES:		
<b>CBC</b> STEEL BUILDINGS A Nucor Company	<b>IAS</b> INSULATION MANUFACTURING SYSTEMS	<b>MBM</b> M. B. M. E. E.
P.O. BOX 1009, LATHROP, CA 95830 OFFICE: 916.470.7000 (800) 868-0090 FAX: (920) 868-2526		
9/19/22 REGISTERED PROFESSIONAL ENGINEER - STRUCTURAL PAUL ANDERSON CO#48107 STATE OF CALIFORNIA		
REV.	BY	DATE



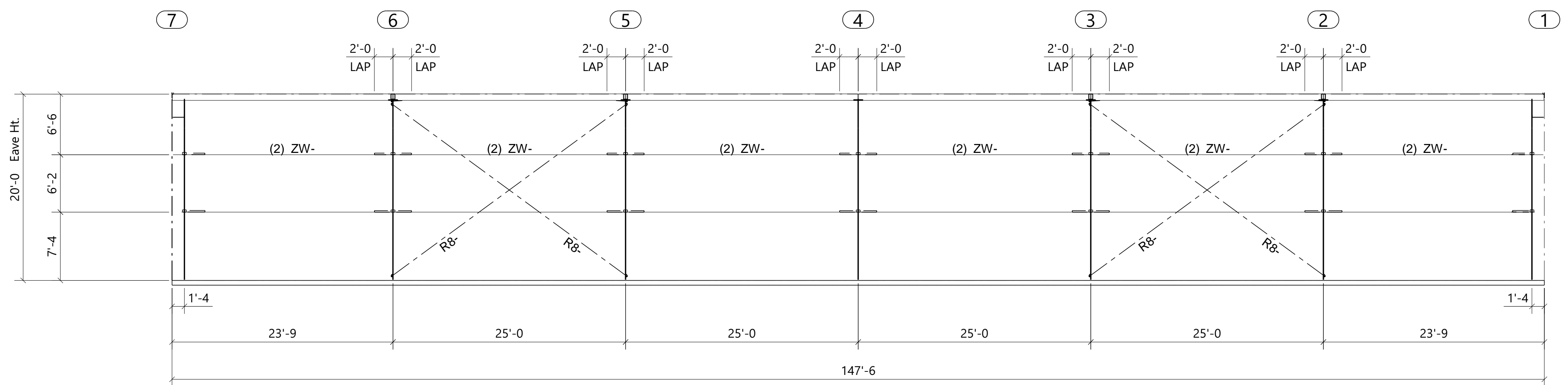
**ROOF SHEETING PLAN**  
 PANEL: 26Ga 'R' COLOR : GALVALUME PLUS (GM)

REV	BY	DATE	9/19/22				PLOT DATES:	<b>ROOF SHEETING PLAN</b> CUSTOMER: <b>ROB KERTH ICE LAND</b> LOCATION: <b>SACRAMENTO, CA 95815</b>	CBC JOB No. <b>C22B0182A</b>
ENGR. IPR. VP	DRAWN JDM	DATE 9/19/2022	SCALE				DEALER: R.C. PATTERSON INC.	SHEET <b>4</b>	OF <b>11</b>

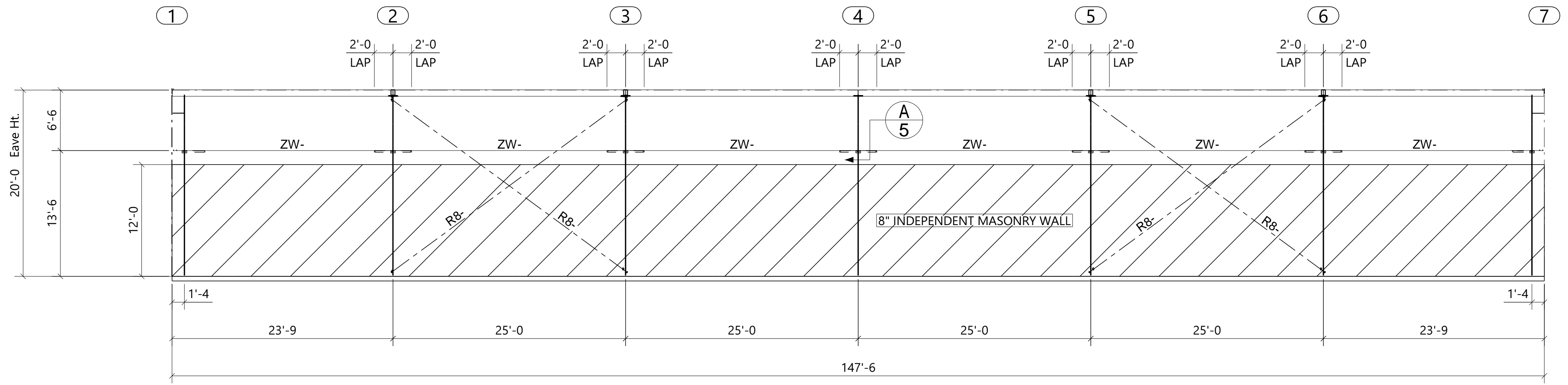




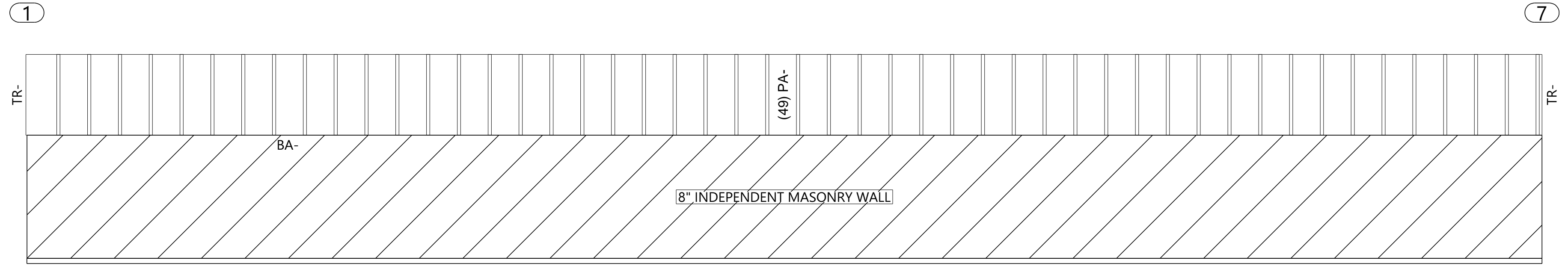
**SIDEWALL SHEETING AT LINE A**  
 PANEL: 26Ga 'R' COLOR : TBD



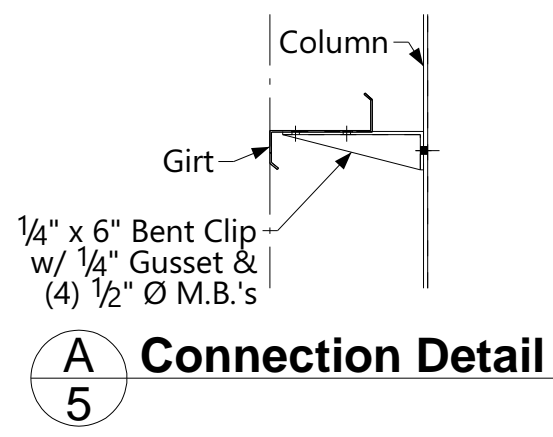
**SIDEWALL ELEVATION AT LINE A**



**SIDEWALL ELEVATION AT LINE E**

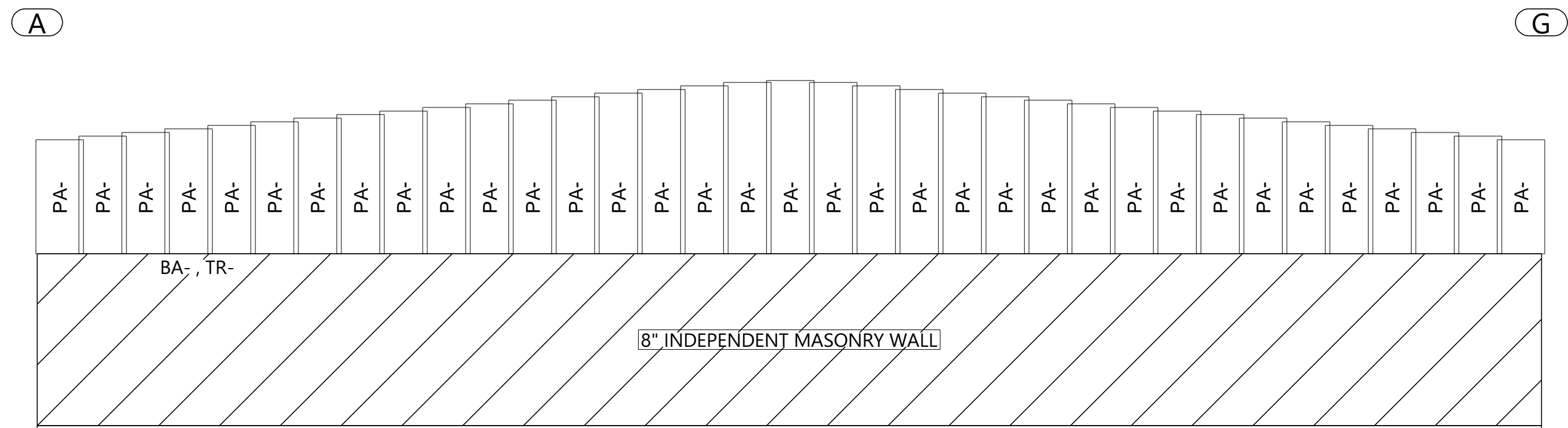


**SIDEWALL SHEETING AT LINE G**  
 PANEL: 26Ga 'R' COLOR : TBD

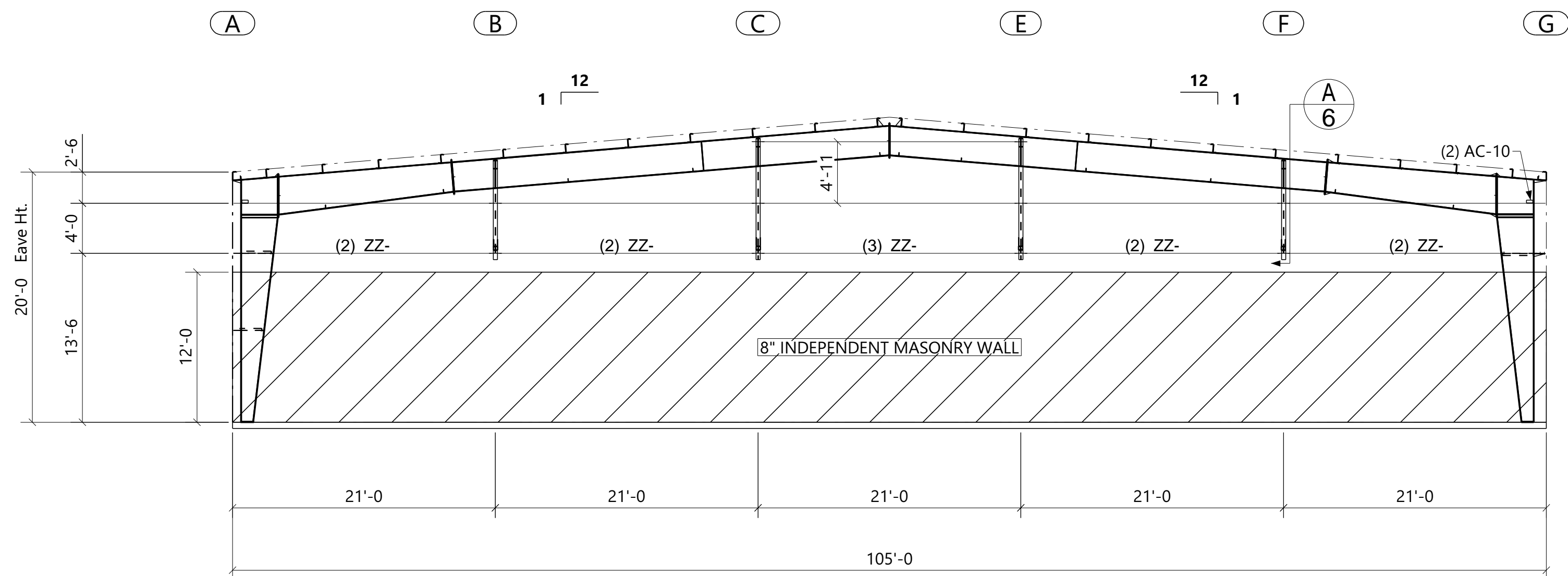


**A 5 Connection Detail**

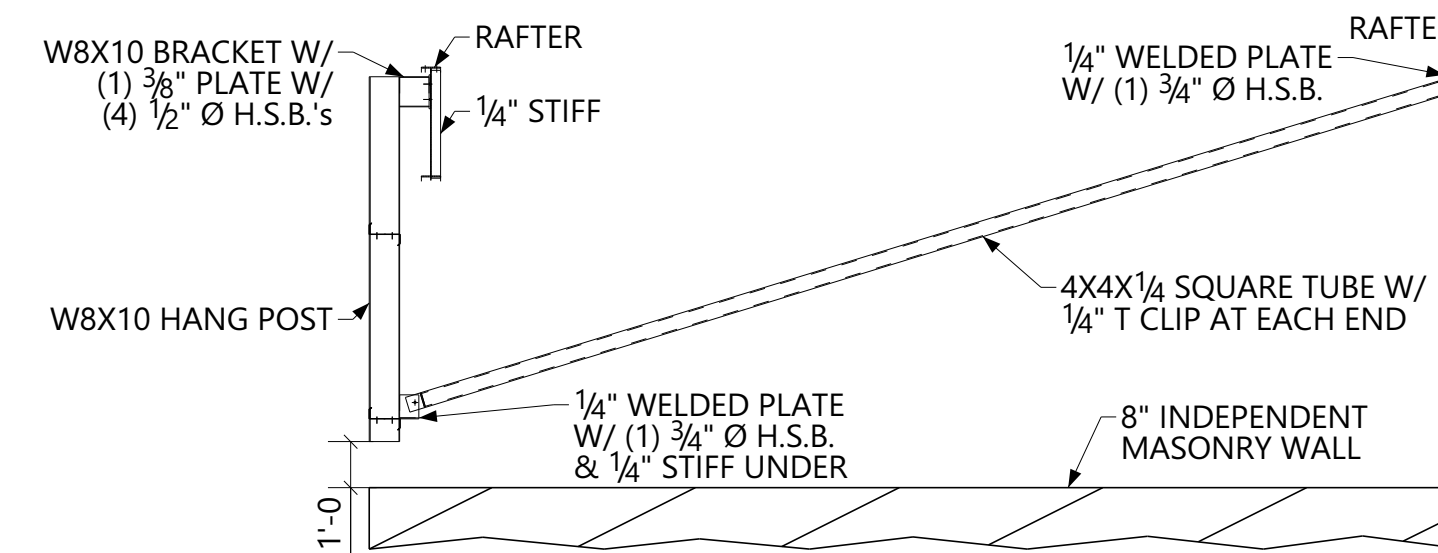
CBC JOB No. <b>C22B0182A</b>		CUSTOMER: <b>ROB KERTH ICE LAND</b>		DEALER: <b>R.C. PATTERSON INC.</b>	
PLOT DATES:		LOCATION: <b>SACRAMENTO, CA 95815</b>		ENGR. IPR. VP	
SIDEWALL ELEVATIONS		SCALE		DRAWN JDM	
DATE 9/19/2022		SHEET 5		OF 11	
 A NUCOR Company P.O. BOX 1009 LATHROP, CA 95330 OFFICE: (916) 700-7000 FAX: (916) 888-2525 (800) 888-0898 FAX: (916) 888-2525 M E M B E R		 IAS INSURANCE AGENTS		 M B M R M E M B E R	
 9/19/22		REVISIONS NO. DATE BY			



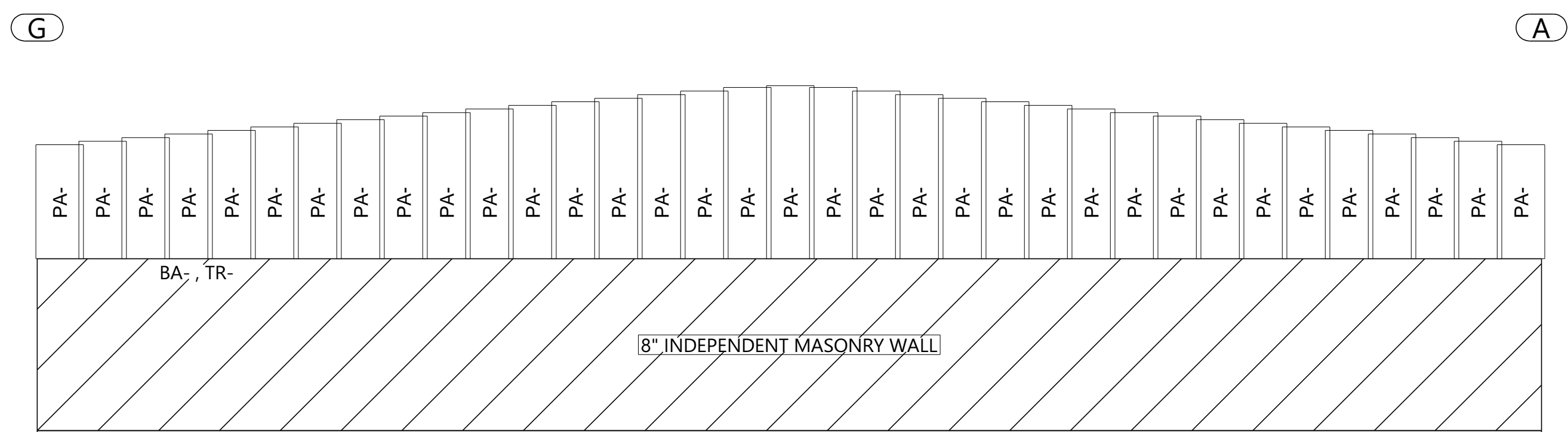
**ENDWALL SHEETING AT LINE 1**  
PANEL: 26Ga 'R' COLOR : TBD



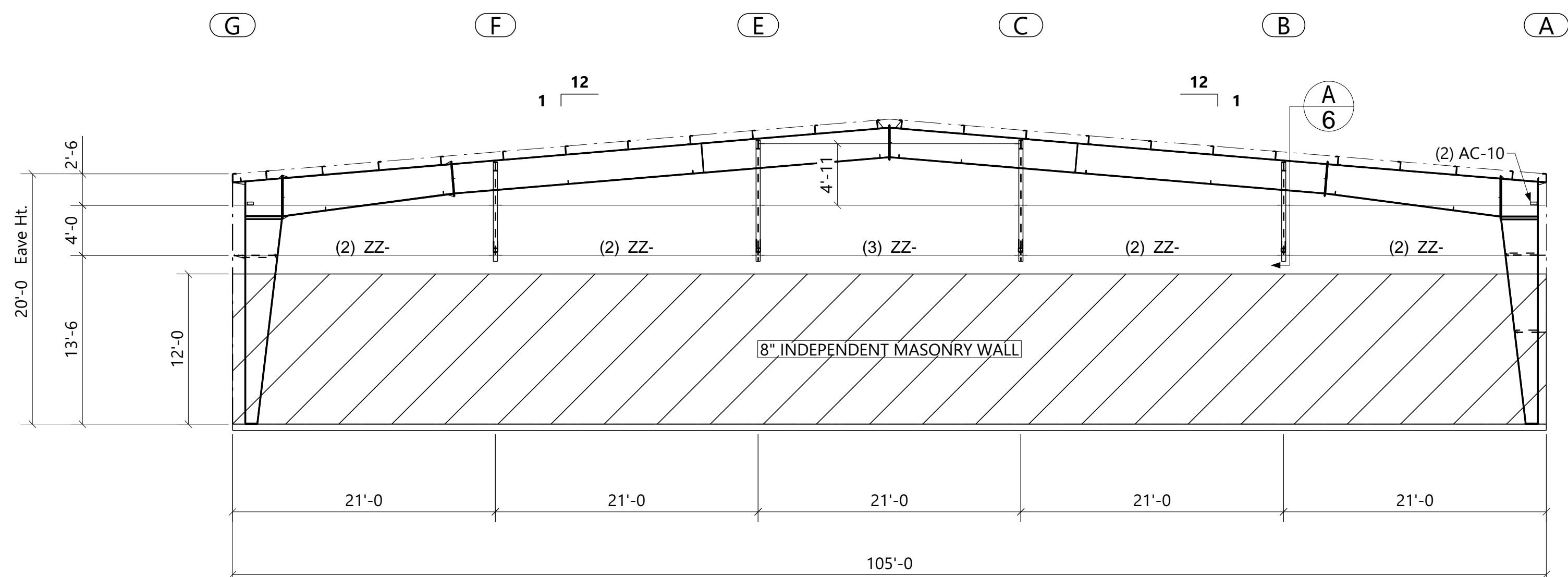
**ENDWALL ELEVATION AT LINE 1**  
HANG POSTS: W8X10



**Hang Post and Kicker Detail**

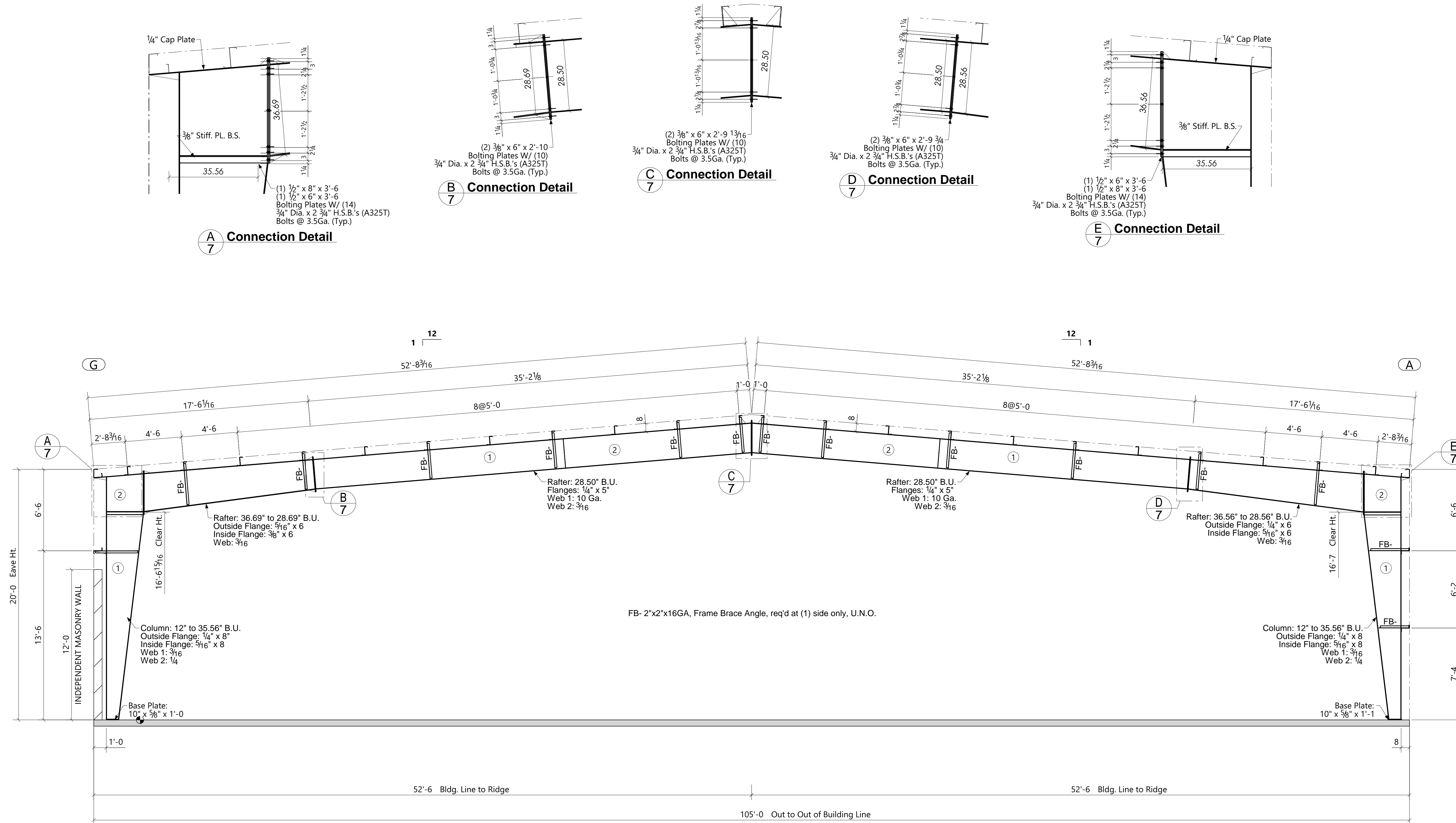


**ENDWALL SHEETING AT LINE 7**  
PANEL: 26Ga 'R' COLOR : TBD

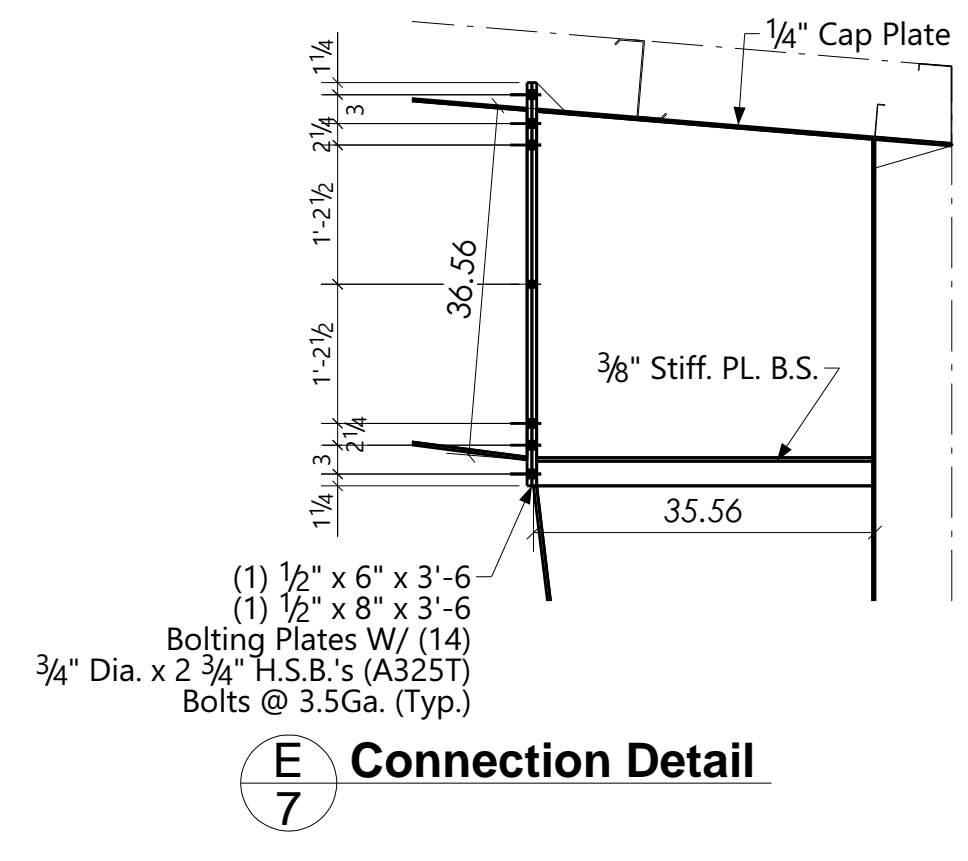
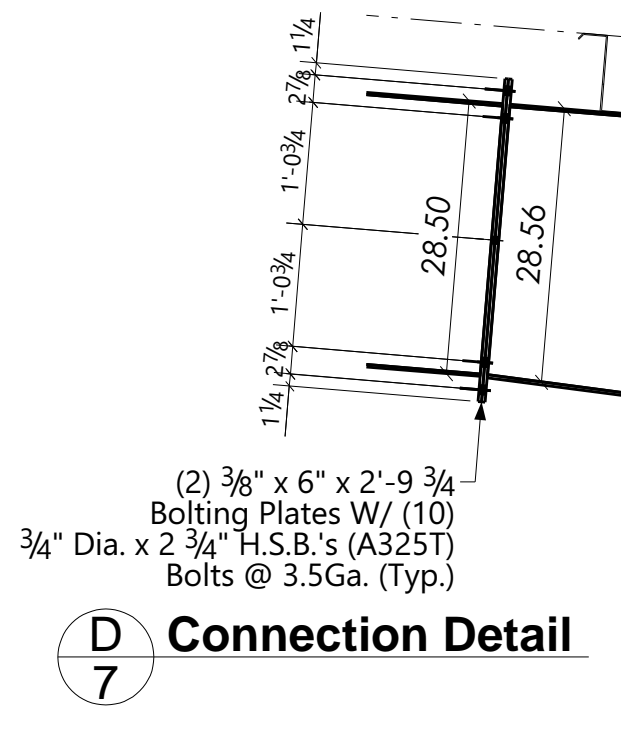
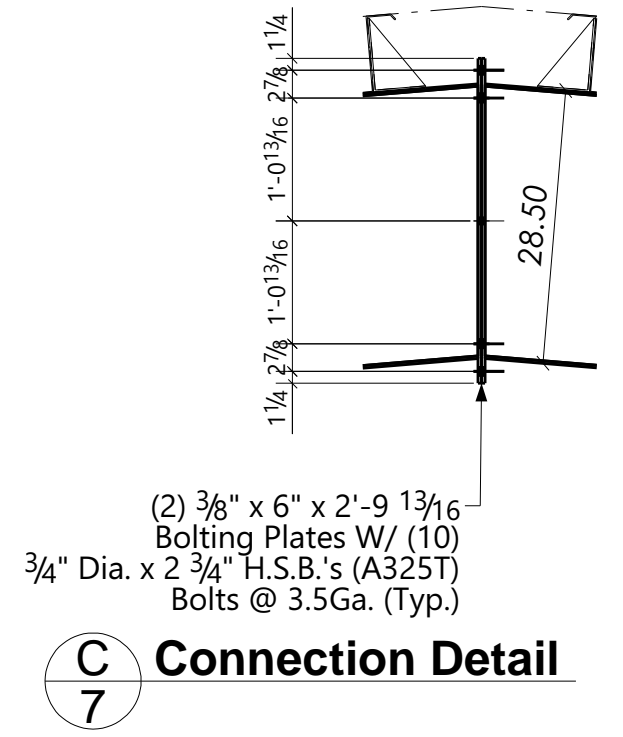
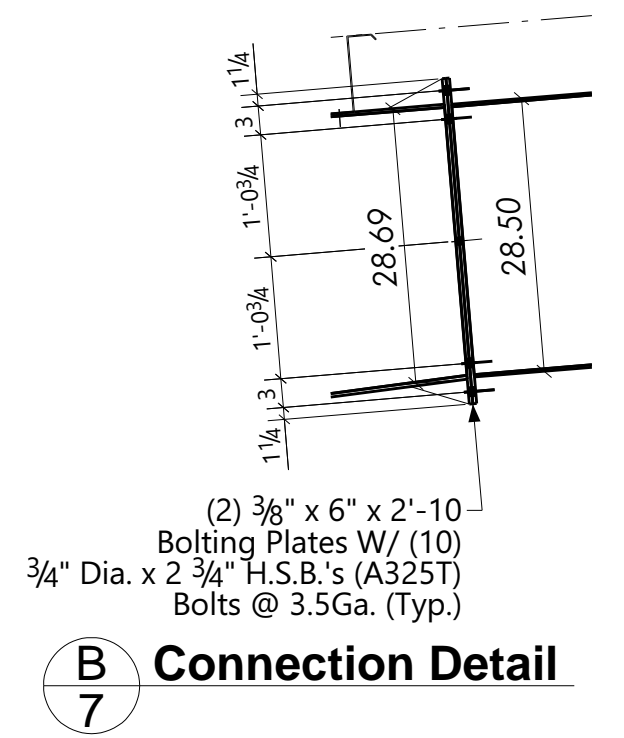
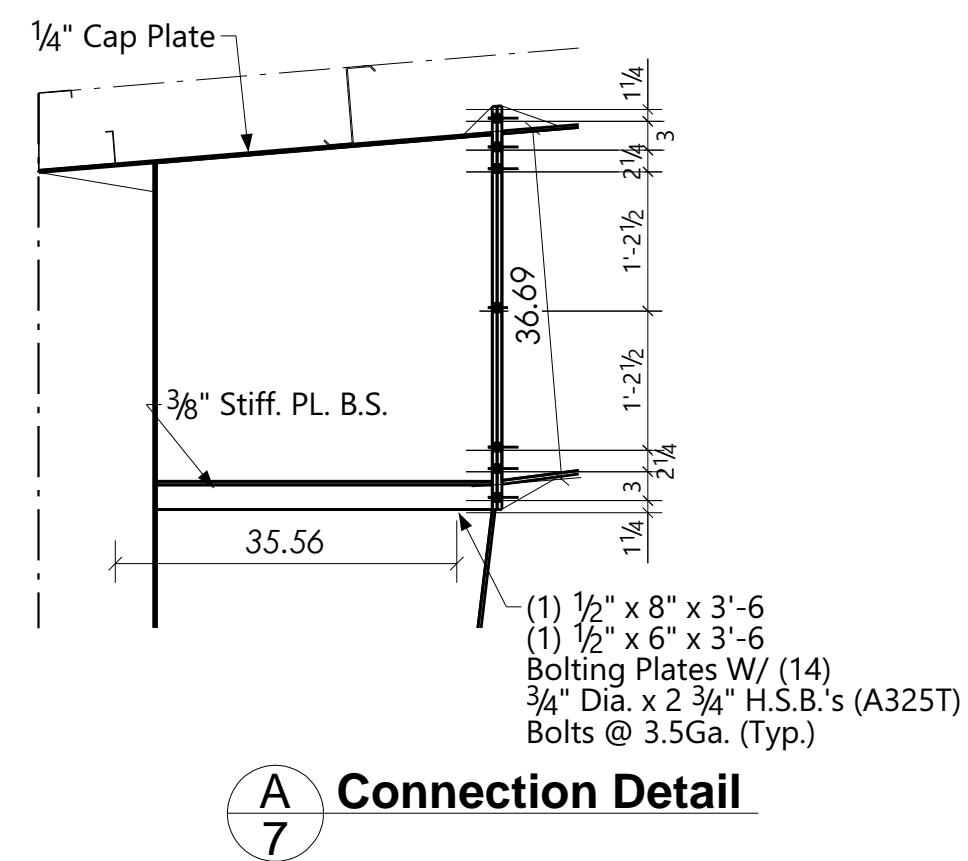


**ENDWALL ELEVATION AT LINE 7**  
HANG POSTS: W8X10

CBC JOB No. <b>C22B0182A</b>		DEALER: R.C. PATTERSON INC.	
ENDWALL ELEVATIONS		ENGR. IPR. VP	SHEET 6 OF 11
CUSTOMER: <b>ROB KERTH ICE LAND</b>		DATE 9/19/2022	SCALE
LOCATION: <b>SACRAMENTO, CA 95815</b>		DRAWN JDM	DATE 9/19/2022
9/19/22	BY	DATE	REV

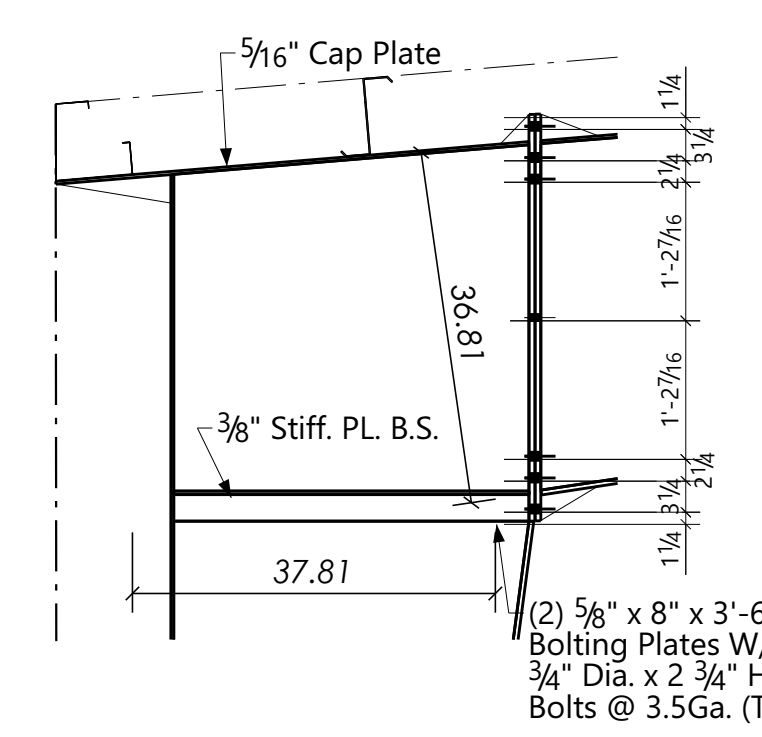
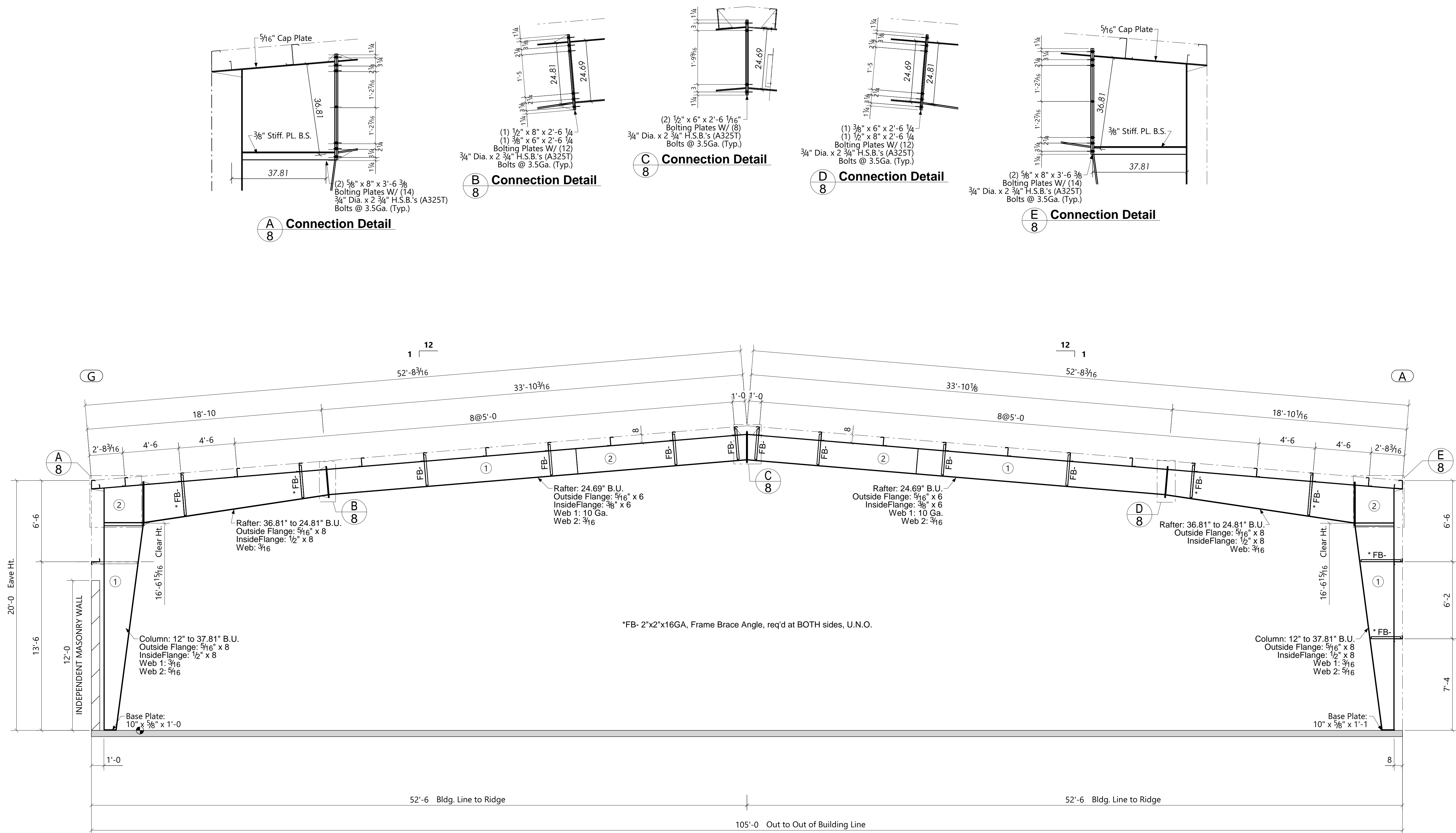


**CROSS SECTION AT LINE 1 & 7**

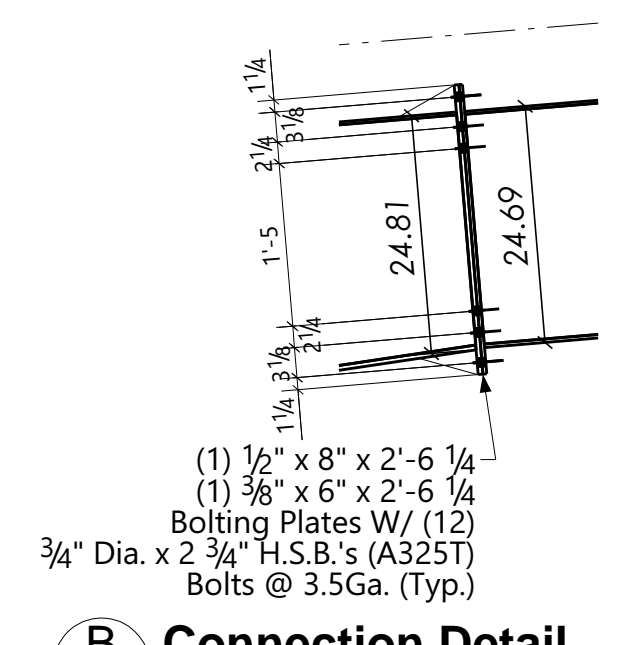


CROSS SECTION AT LINE 1 & 7		CBC JOB No. <b>C22B0182A</b>
CUSTOMER: <b>ROB KERTH ICE LAND</b>		DEALER: R.C. PATTERSON INC.
LOCATION: <b>SACRAMENTO, CA 95815</b>		ENGR. APPR. VP
DATE 9/19/2022	DRAWN JDM	SHEET 7
SCALE	DATE	OF 11
REV	BY	DATE

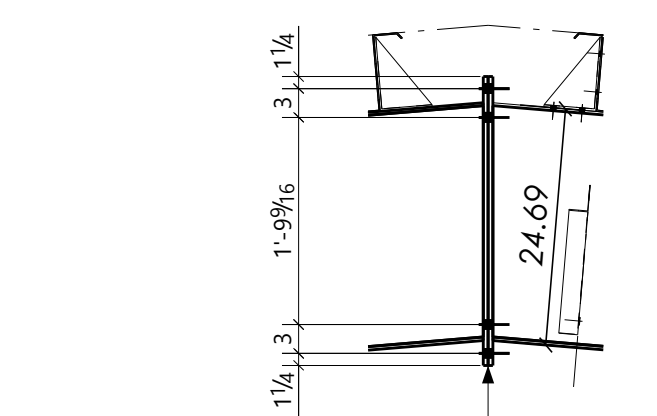




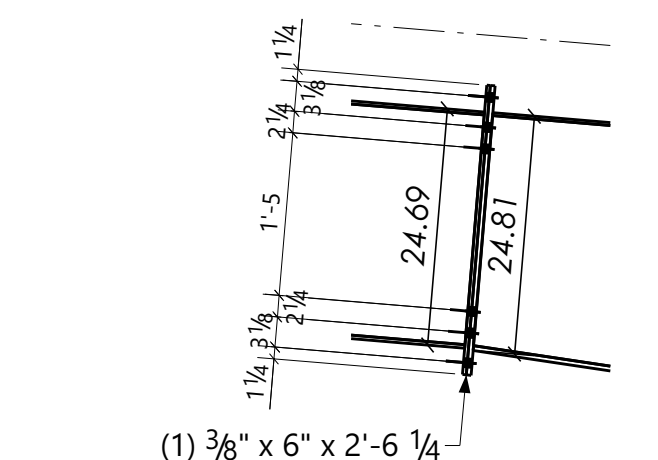
**A**  
8 Connection Detail



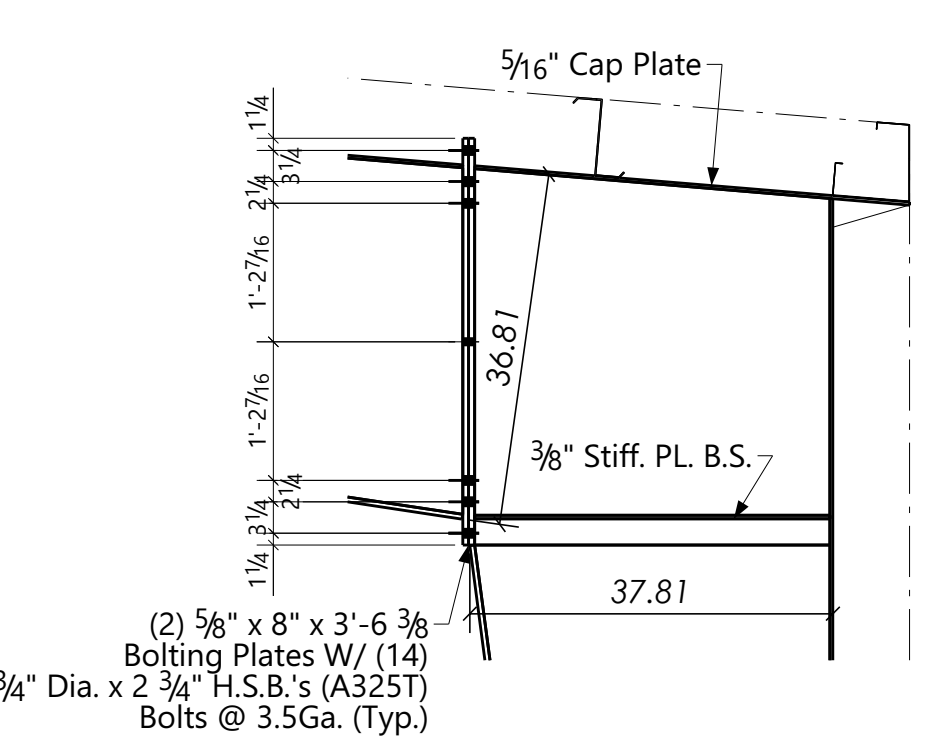
**B**  
8 Connection Detail



**C**  
8 Connection Detail



**D**  
8 Connection Detail

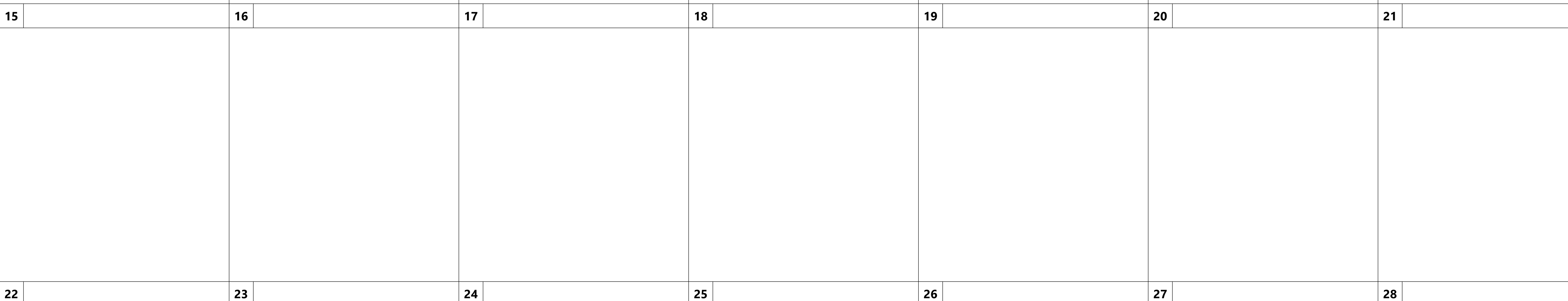
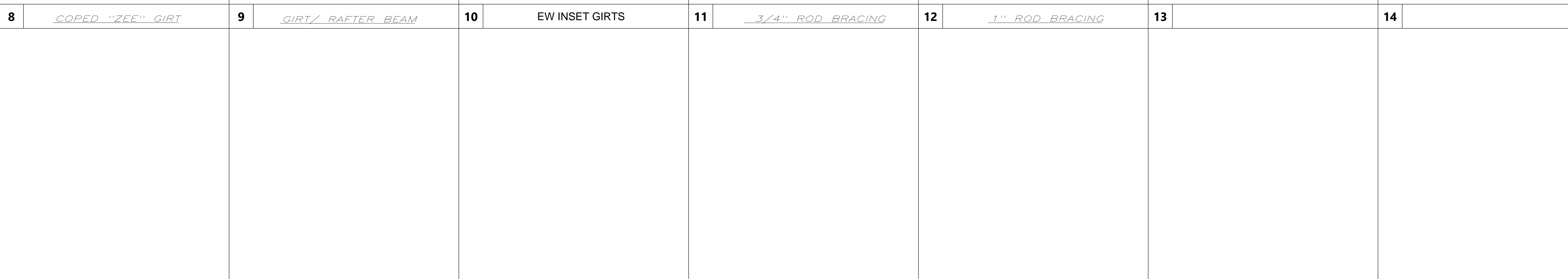
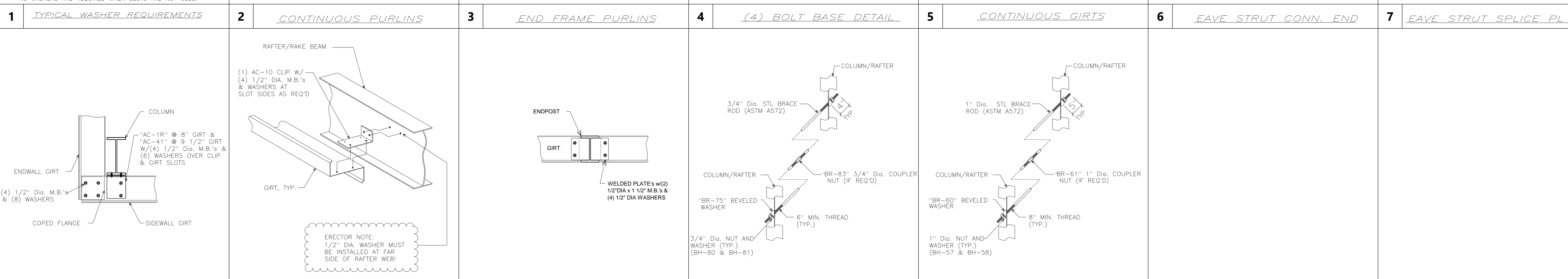
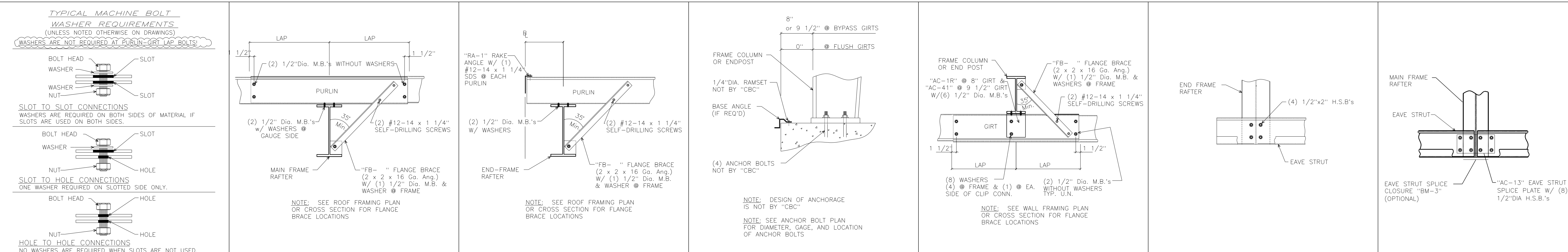


**E**  
8 Connection Detail

CROSS SECTION AT LINES 2-6		CROSS SECTION AT LINES 2-6		CROSS SECTION AT LINES 2-6	
CUSTOMER: ROB KERTH ICE LAND		CUSTOMER: ROB KERTH ICE LAND		CUSTOMER: ROB KERTH ICE LAND	
LOCATION: SACRAMENTO, CA 95815		LOCATION: SACRAMENTO, CA 95815		LOCATION: SACRAMENTO, CA 95815	
DATE: 9/19/2022	SCALE:	DATE: 9/19/2022	SCALE:	DATE: 9/19/2022	SCALE:
DRAWN: JDM	ENGR. APPR. VP	DRAWN: JDM	ENGR. APPR. VP	DRAWN: JDM	ENGR. APPR. VP
SHEET 8	OF 11	SHEET 8	OF 11	SHEET 8	OF 11
DEALER: R.C. PATTERSON INC.		DEALER: R.C. PATTERSON INC.		DEALER: R.C. PATTERSON INC.	
C22B0182A		C22B0182A		C22B0182A	
CBC JOB No.		CBC JOB No.		CBC JOB No.	
9/19/22		9/19/22		9/19/22	
REV	BY	DATE	REV	BY	DATE

**CROSS SECTION AT LINES 2-6**





CBC JOB No. **C22B0182A**

DEALER: **R.C. PATTERSON INC.**

CUSTOMER: **ROB KERTH ICE LAND**

LOCATION: **SACRAMENTO, CA 95815**

DATE: **9/19/2022**

SCALE: **AS SHOWN**

ENGR. IPR. VP **JDM**

DRAWN **JDM**

SHEET **9** OF **11**

GENERAL DETAILS

PLT DATES:

**CBC STEEL BUILDINGS** A NUCOR Company

**IAS** INDUSTRIAL AIR SYSTEMS

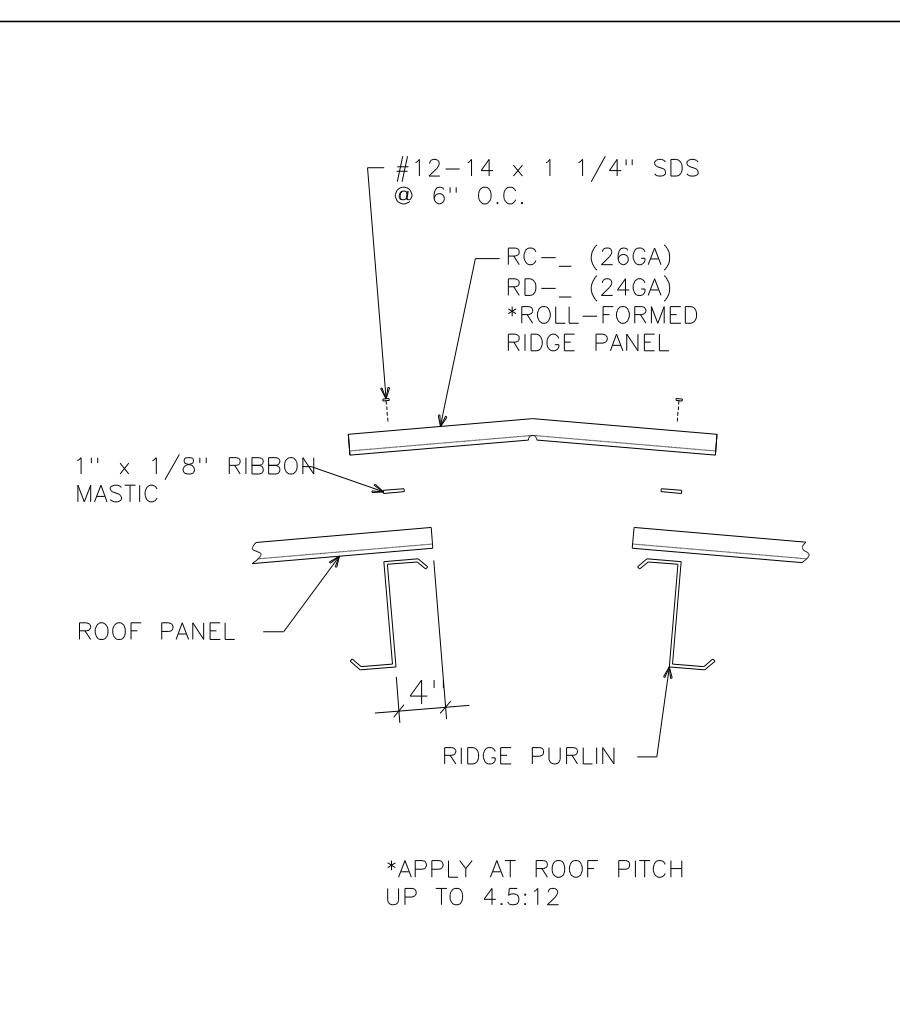
**MBM** MACHINERY & BUILDING MATERIALS

P.O. BOX 8009, LATHROP, CA 95330  
 OFFICES: SAN FRANCISCO, CA 415.435.2200  
 (800) 883-0090 FAX: (424) 888-2525

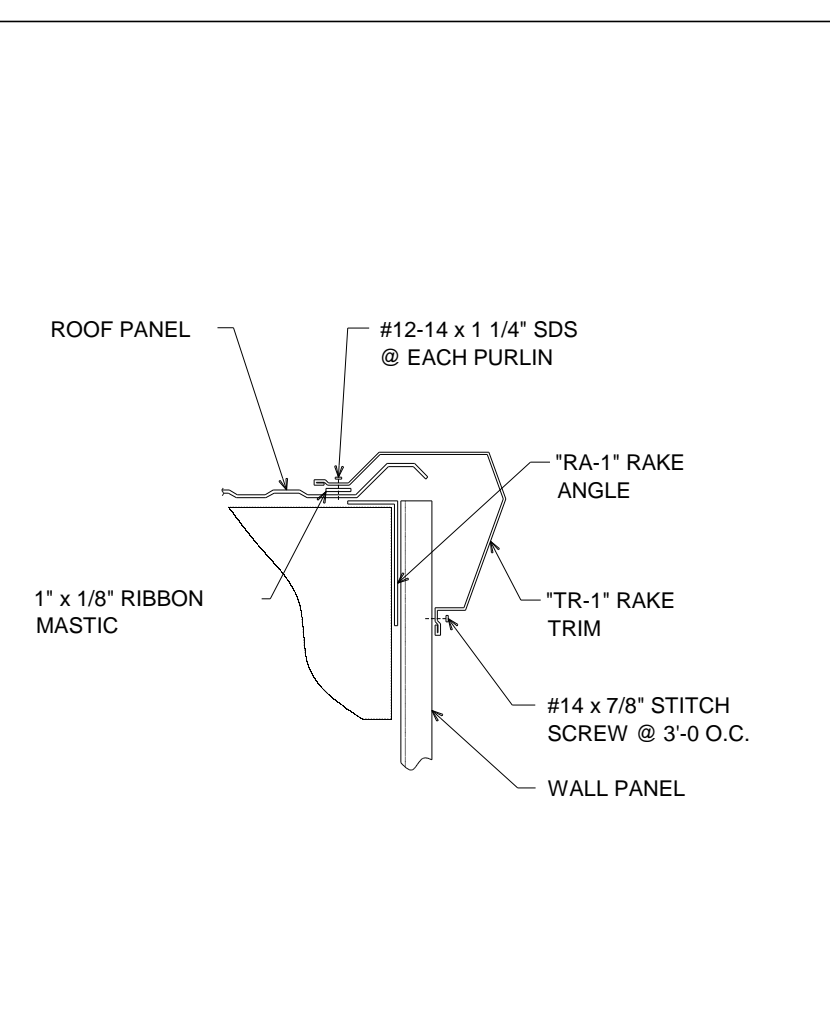
**REGISTERED PROFESSIONAL ENGINEER**  
**PAUL ANDERSON**  
 CO48107  
 STATE OF CALIFORNIA  
 CIVIL

9/19/22

REV. BY DATE



1 RIDGE CAP



2 RAKE TRIM

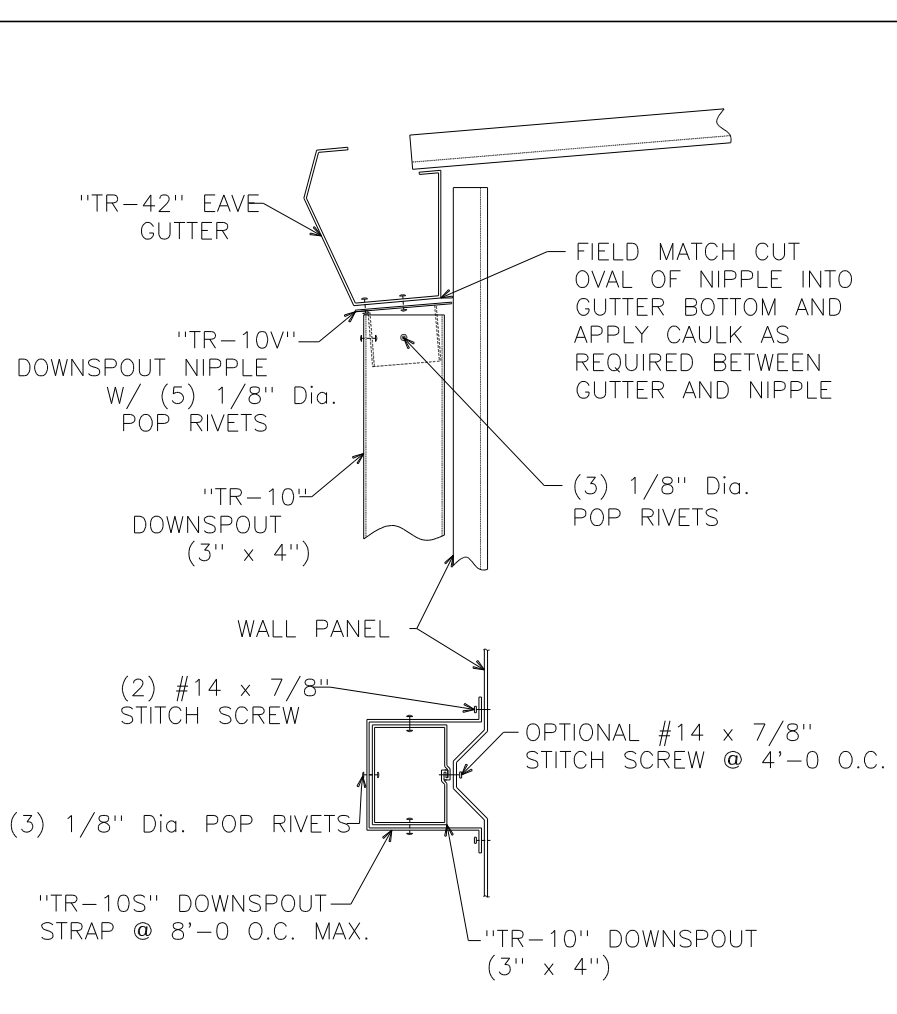
STRUCTURAL PROPERTIES

8"-CEE" SECTION	8"-ZEE" SECTION	9 1/2"-CEE" SECTION	9 1/2"-ZEE" SECTION
16 GA. (0.060) Sxc = 1.87 IN <sup>3</sup> Ae = 0.50 IN <sup>2</sup> 15 GA. (0.067) Sxc = 2.05 IN <sup>3</sup> Ae = 0.55 IN <sup>2</sup> 14 GA. (0.075) Sxc = 2.52 IN <sup>3</sup> Ae = 0.74 IN <sup>2</sup> 13 GA. (0.089) Sxc = 2.84 IN <sup>3</sup> Ae = 0.85 IN <sup>2</sup> 12 GA. (0.099) Sxc = 3.23 IN <sup>3</sup> Ae = 1.02 IN <sup>2</sup>	16 GA. (0.060) Sxc = 1.72 IN <sup>3</sup> Ae = 0.44 IN <sup>2</sup> 15 GA. (0.067) Sxc = 1.97 IN <sup>3</sup> Ae = 0.52 IN <sup>2</sup> 14 GA. (0.075) Sxc = 2.33 IN <sup>3</sup> Ae = 0.65 IN <sup>2</sup> 13 GA. (0.089) Sxc = 2.74 IN <sup>3</sup> Ae = 0.80 IN <sup>2</sup> 12 GA. (0.099) Sxc = 3.15 IN <sup>3</sup> Ae = 0.97 IN <sup>2</sup>	16 GA. (0.060) Sxc = 2.11 IN <sup>3</sup> Ae = 0.49 IN <sup>2</sup> 15 GA. (0.067) Sxc = 2.57 IN <sup>3</sup> Ae = 0.58 IN <sup>2</sup> 14 GA. (0.075) Sxc = 3.19 IN <sup>3</sup> Ae = 0.73 IN <sup>2</sup> 13 GA. (0.089) Sxc = 3.70 IN <sup>3</sup> Ae = 0.89 IN <sup>2</sup> 12 GA. (0.099) Sxc = 4.32 IN <sup>3</sup> Ae = 1.10 IN <sup>2</sup>	16 GA. (0.060) Sxc = 2.16 IN <sup>3</sup> Ae = 0.48 IN <sup>2</sup> 15 GA. (0.067) Sxc = 2.57 IN <sup>3</sup> Ae = 0.56 IN <sup>2</sup> 14 GA. (0.075) Sxc = 3.17 IN <sup>3</sup> Ae = 0.69 IN <sup>2</sup> 13 GA. (0.089) Sxc = 3.71 IN <sup>3</sup> Ae = 0.86 IN <sup>2</sup> 12 GA. (0.099) Sxc = 4.29 IN <sup>3</sup> Ae = 1.03 IN <sup>2</sup>

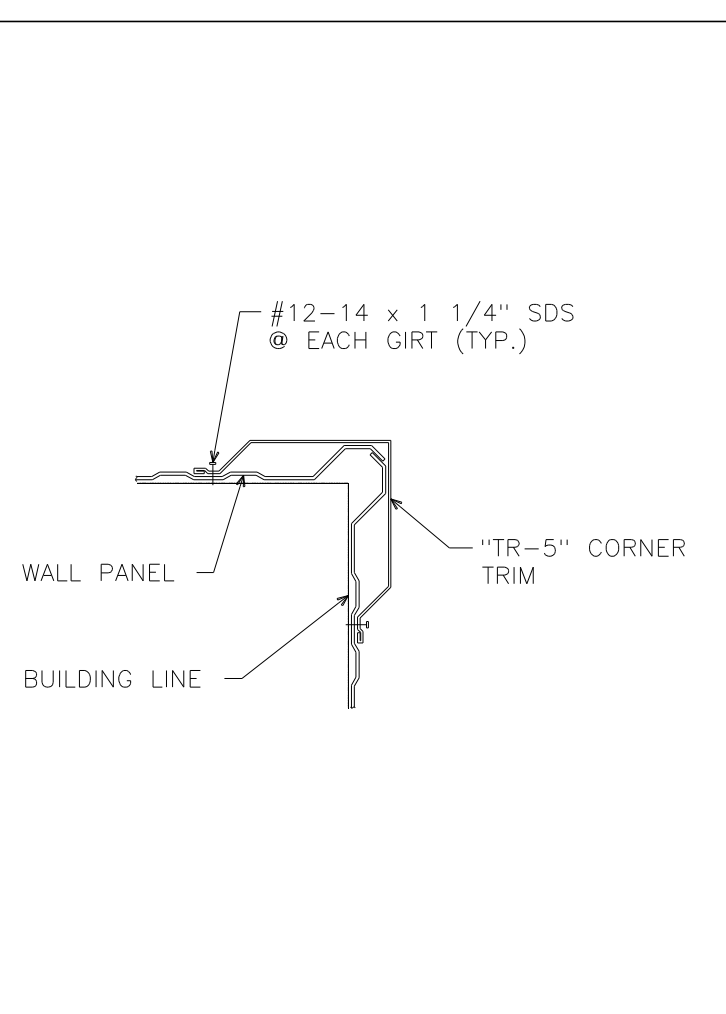
  

12"-CEE" SECTION	12"-ZEE" SECTION	"ZEE" RAKEBEAM SECTION	8"-GEE" SECTION	9 1/2"-GEE" SECTION
13 GA. (0.089) Sx = 5.80 IN <sup>3</sup> Ae = 1.76 IN <sup>2</sup> 12 GA. (0.099) Sx = 6.64 IN <sup>3</sup> Ae = 1.96 IN <sup>2</sup> 11 GA. Sx = 7.96 IN <sup>3</sup> Ae = 2.37 IN <sup>2</sup>	13 GA. (0.089) Sx = 5.34 IN <sup>3</sup> Ae = 1.76 IN <sup>2</sup> 12 GA. (0.099) Sx = 6.21 IN <sup>3</sup> Ae = 1.95 IN <sup>2</sup> 11 GA. Sx = 7.81 IN <sup>3</sup> Ae = 2.37 IN <sup>2</sup>	14 GA. (0.075) Sxc = 3.956 IN <sup>3</sup> (TOP IN COMP.) Sxc = 3.740 IN <sup>3</sup> (BOTTOM IN COMP.) Ae = 0.668 IN <sup>2</sup> 12 GA. (0.099) Sxc = 6.057 IN <sup>3</sup> (TOP IN COMP.) Sxc = 5.219 IN <sup>3</sup> (BOTTOM IN COMP.) Ae = 1.141 IN <sup>2</sup>	16 GA. (0.060) Sxc = 1.74 IN <sup>3</sup> (TOP IN COMP.) Sxc = 2.51 IN <sup>3</sup> (BOTTOM IN COMP.) Ae = 0.63 IN <sup>2</sup>	14 GA. (0.075) Sxc = 2.88 IN <sup>3</sup> (TOP IN COMP.) Sxc = 4.66 IN <sup>3</sup> (BOTTOM IN COMP.) Ae = 0.93 IN <sup>2</sup>

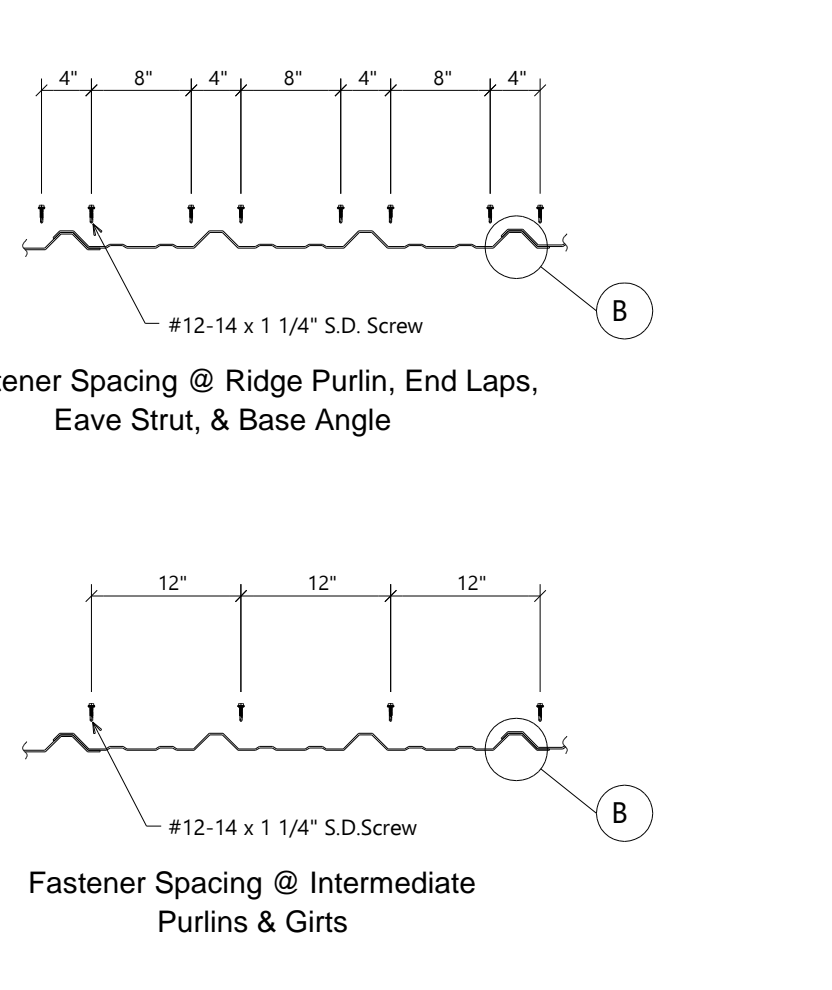
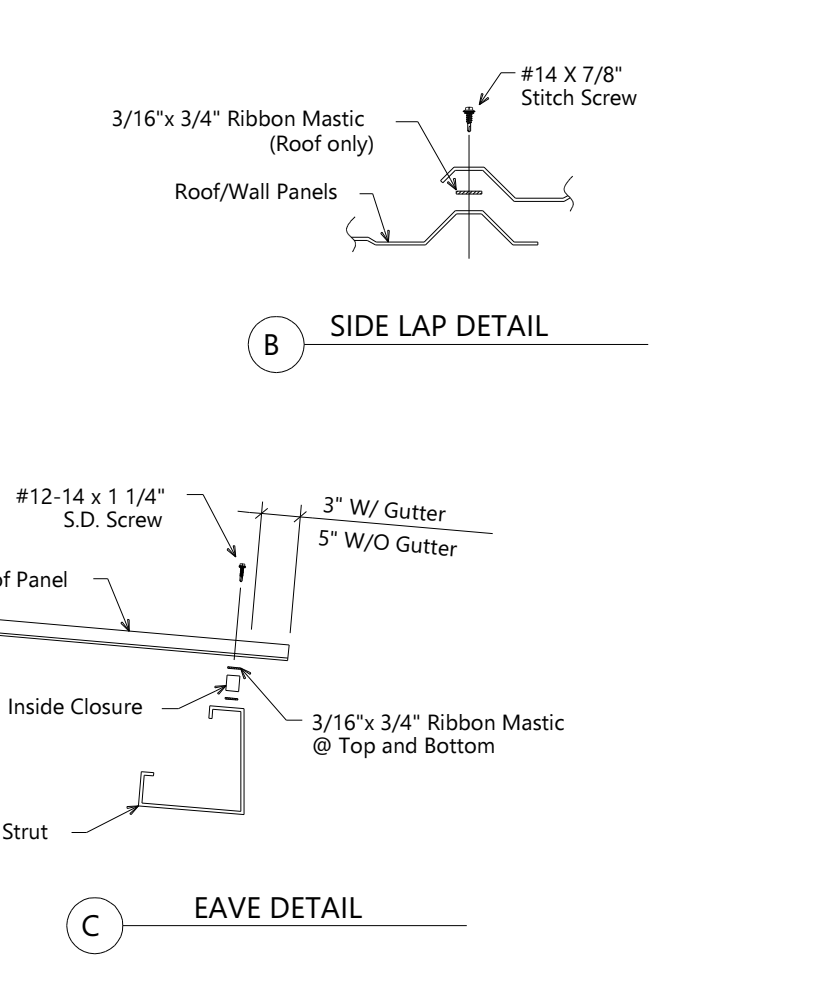
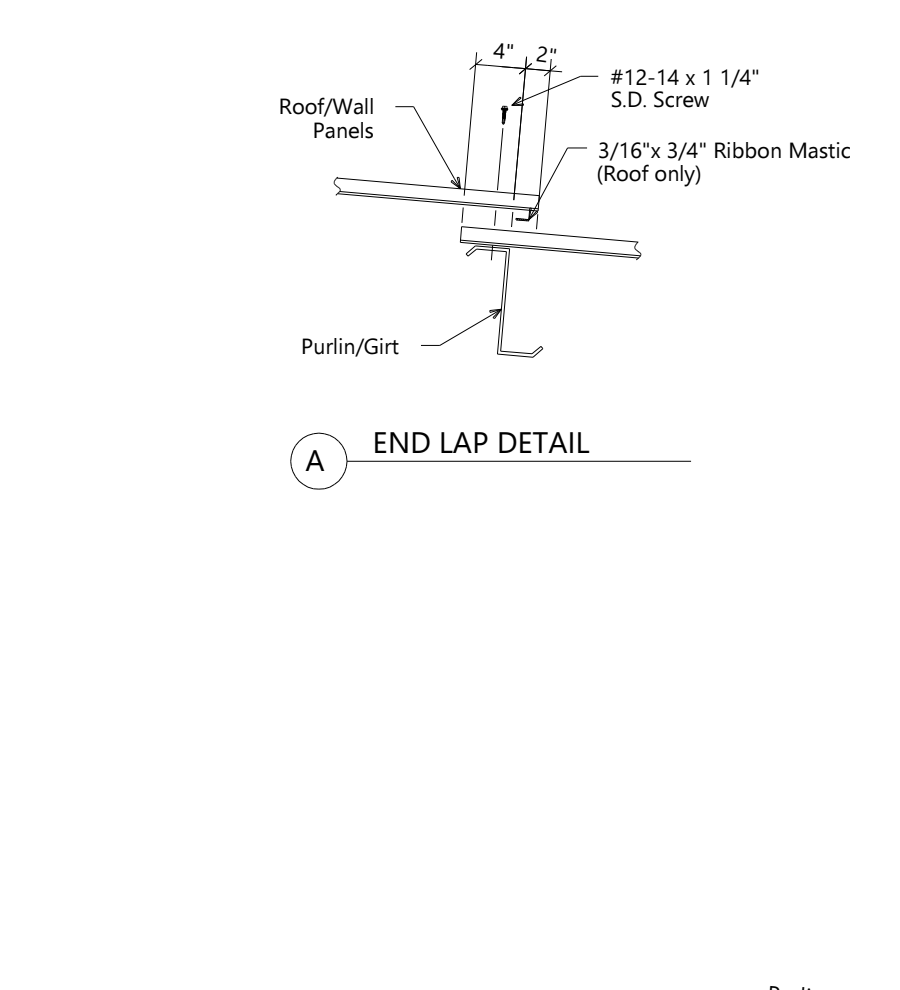
3 STRUCTURAL PROPERTIES



6 DOWNSPOUT



7 CORNER TRIM



SS24 / MS24 PANEL PROPERTIES

GAGE	Fy	Design Thickness	Weight (P.S.F.)	TOP IN COMPRESSION (Ix)	BOTTOM IN COMPRESSION (Ix)
24	50 ksi	.0225	1.20	0.276	0.111
22	50 ksi	.030	1.58	0.371	0.152

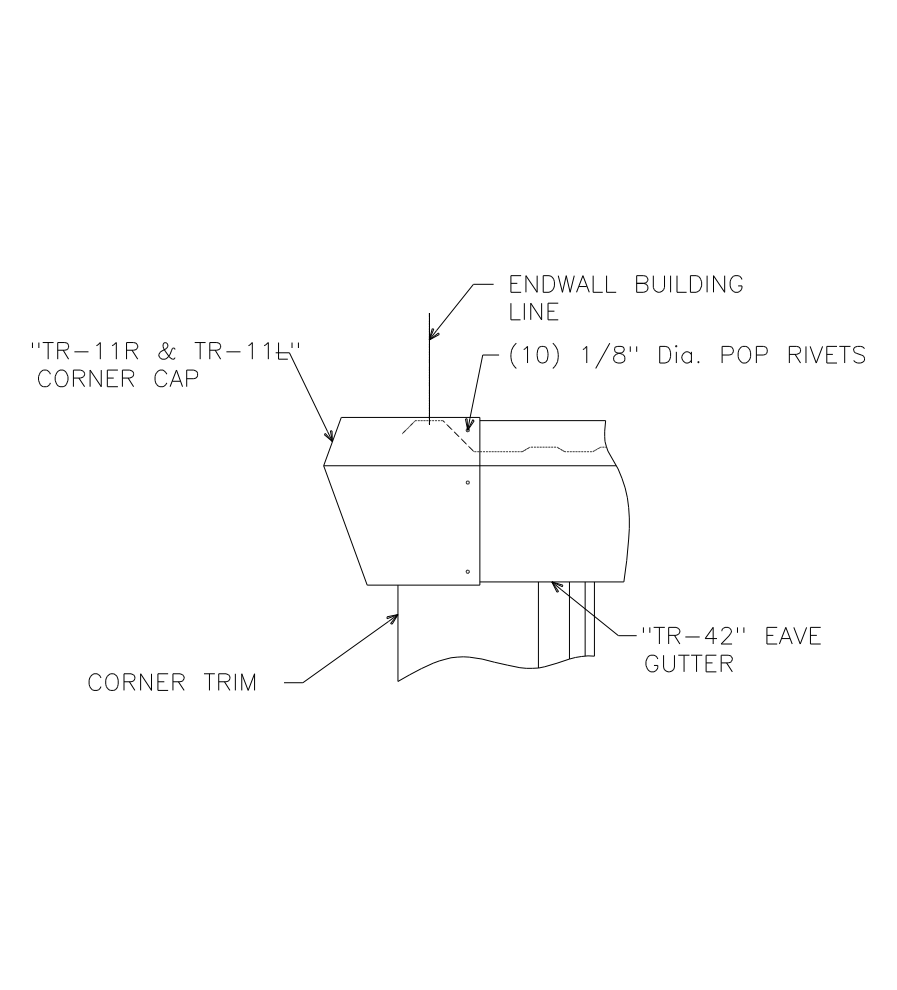
ROOF PANELS

R PANEL PROPERTIES

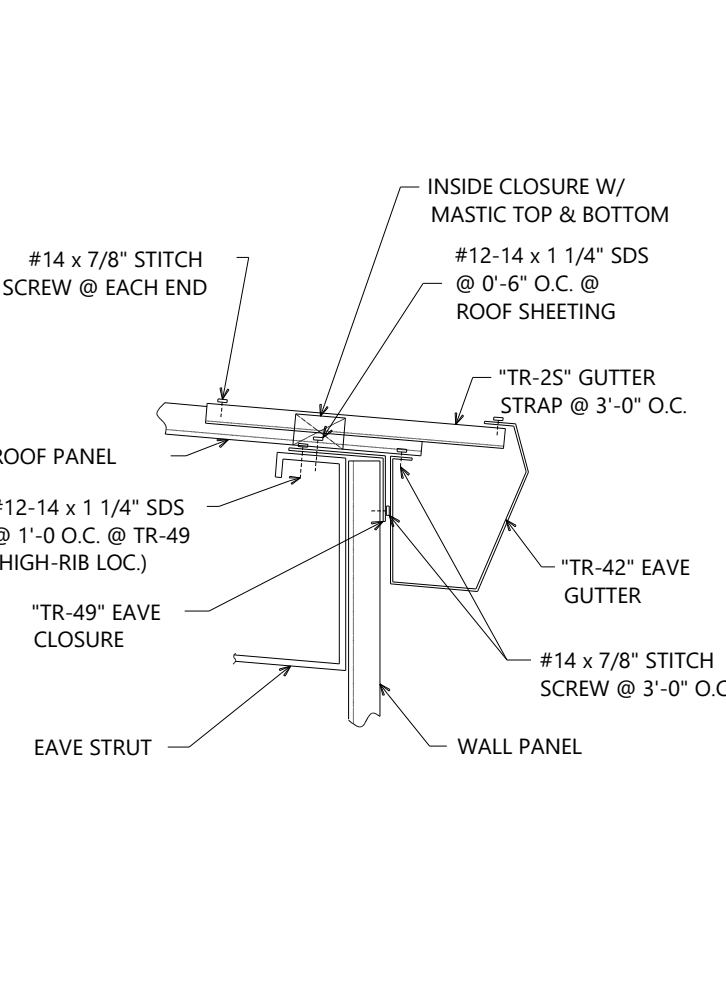
GAGE	Fy	Design Thickness	Weight (P.S.F.)	TOP IN COMPRESSION (Ix)	BOTTOM IN COMPRESSION (Ix)
26	80 ksi	.0177	0.97	0.0393	0.0398
24	50 ksi	.0225	1.18	0.0567	0.0589

WALL PANELS

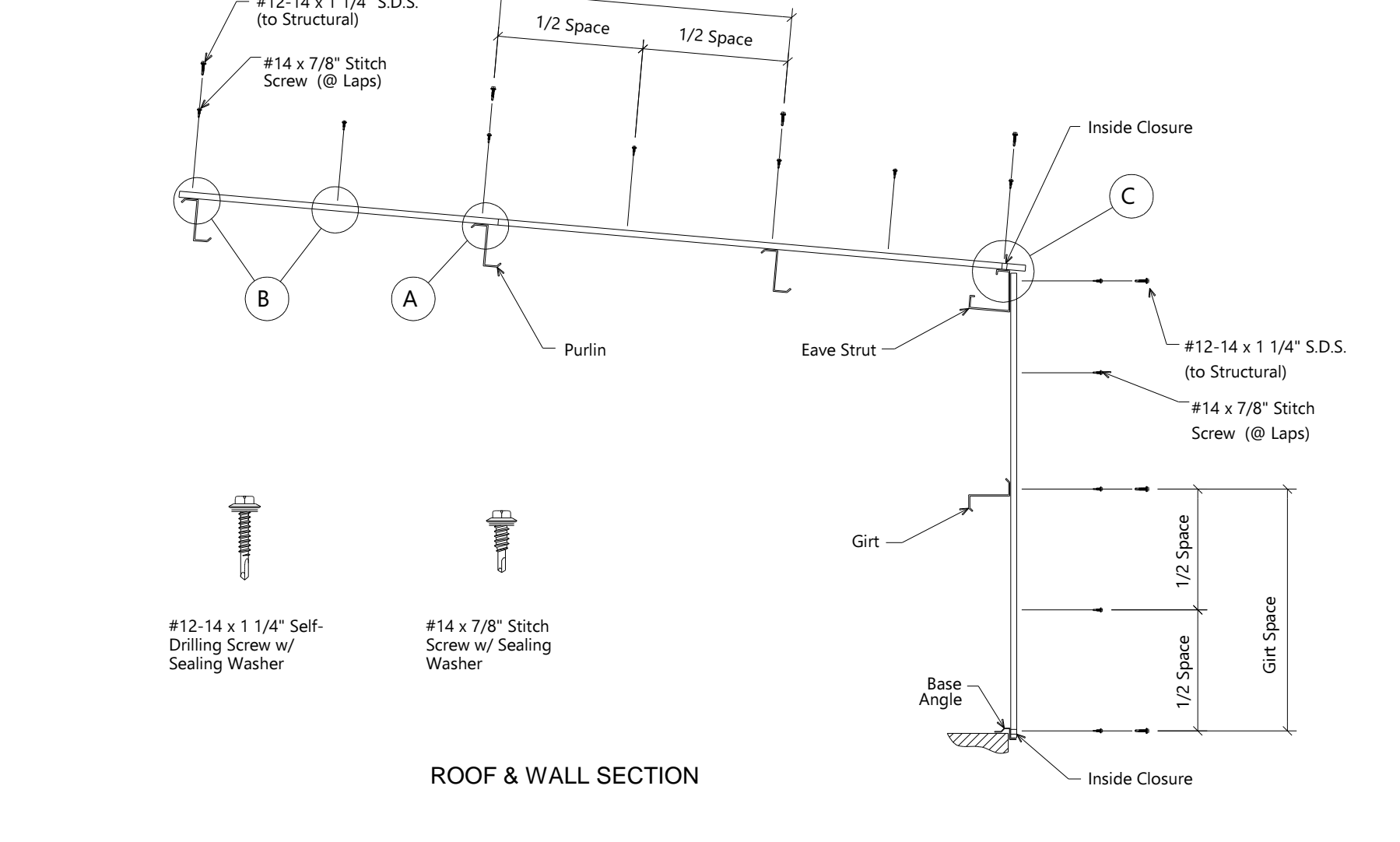
11 SHEETING PROPERTIES



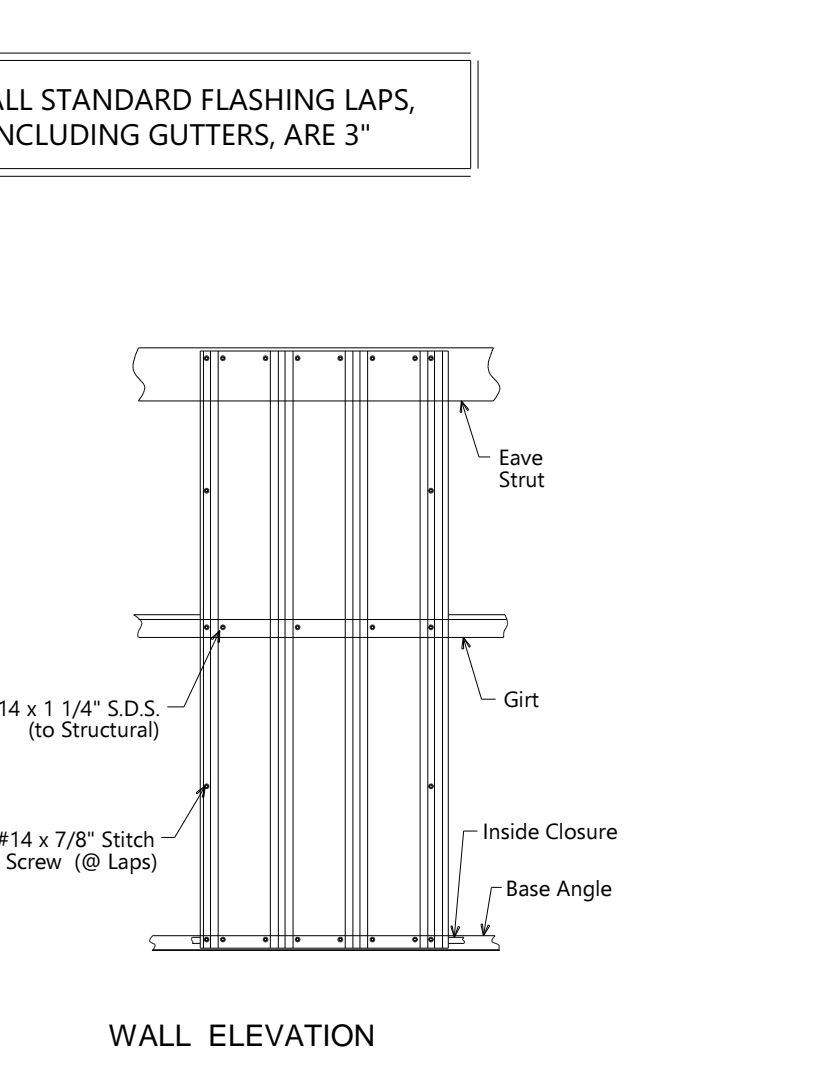
13 CORNER CAP / GUTTER



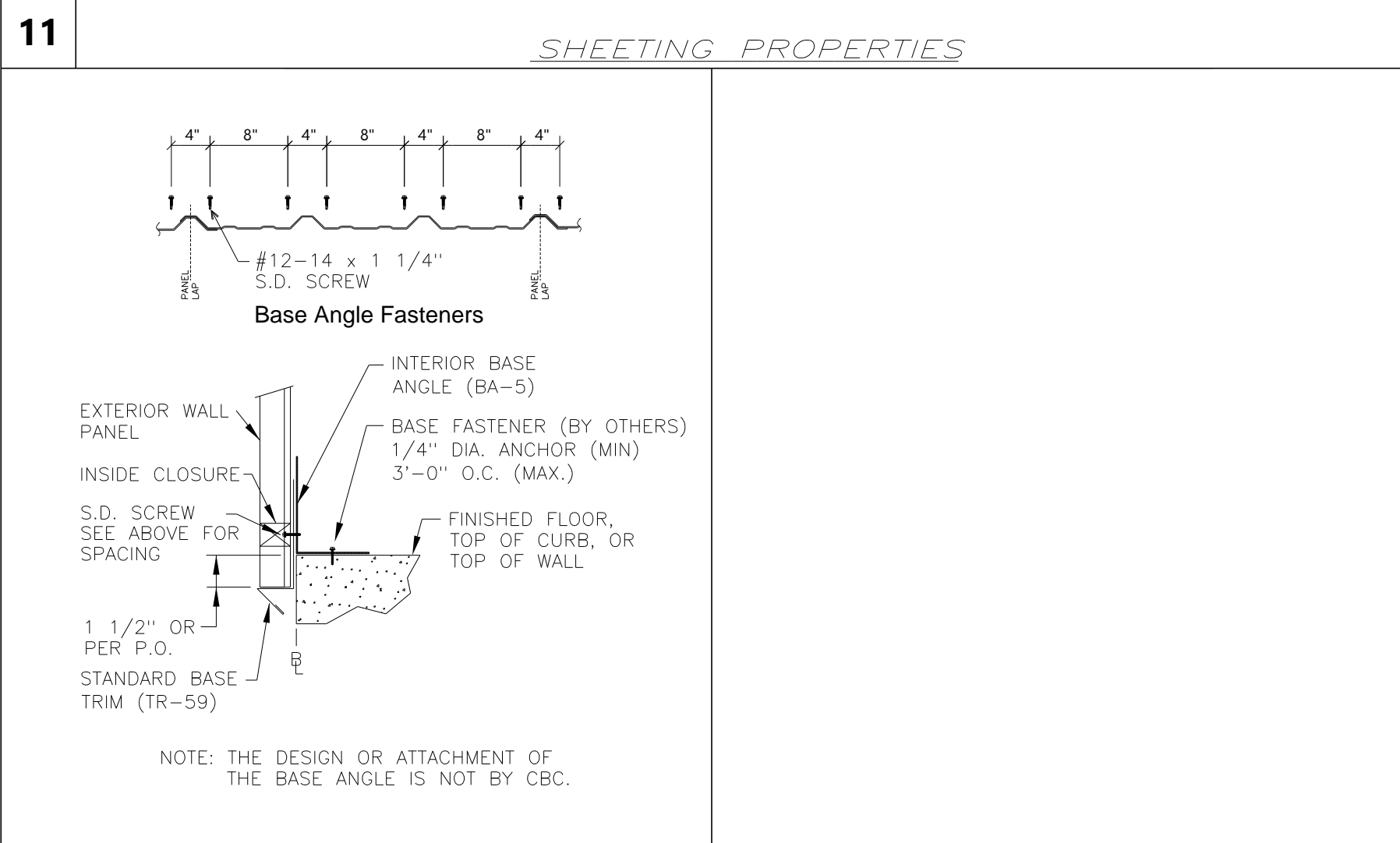
14 EAVE GUTTER



15 FASTENER PLACEMENT



18 3x4 BASE ANGLE W/ TRIM



19



20



21



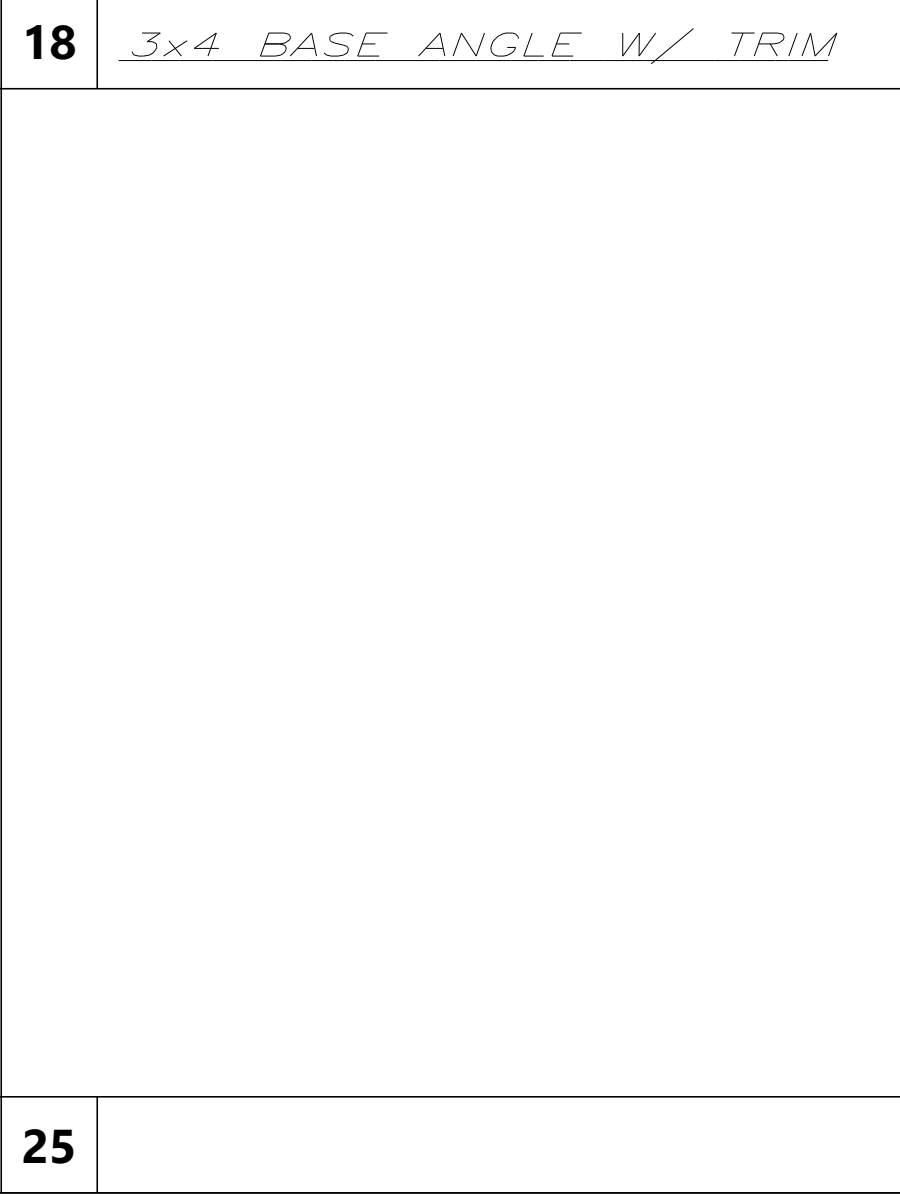
22



23



24



25



26



27



28

CBC JOB No. C22B0182A

GENERAL DETAILS

CUSTOMER: ROBERT KERTH ICE LAND

LOCATION: SACRAMENTO, CA 95815

DEALER: R.C. PATTERSON INC.

ENG. RFR. VP

DRAWN JDM

DATE 9/19/2022

SCALE

SHEET 10 OF 11

9/19/22

CBC STEEL BUILDINGS A Nucor Company

IAS

MBM

REGISTERED PROFESSIONAL ENGINEER - CIVIL

PAUL ANDERSON

CD48107

DATE OF EXPIRATION: 09/30/2025

P.O. BOX 1009, LATHROP, CA 95330

OFFICES: 10000 W. LATHROP AVE. #200, LATHROP, WA 98626

(206) 882-0090 FAX: (206) 882-2525

BY

DATE

REV



