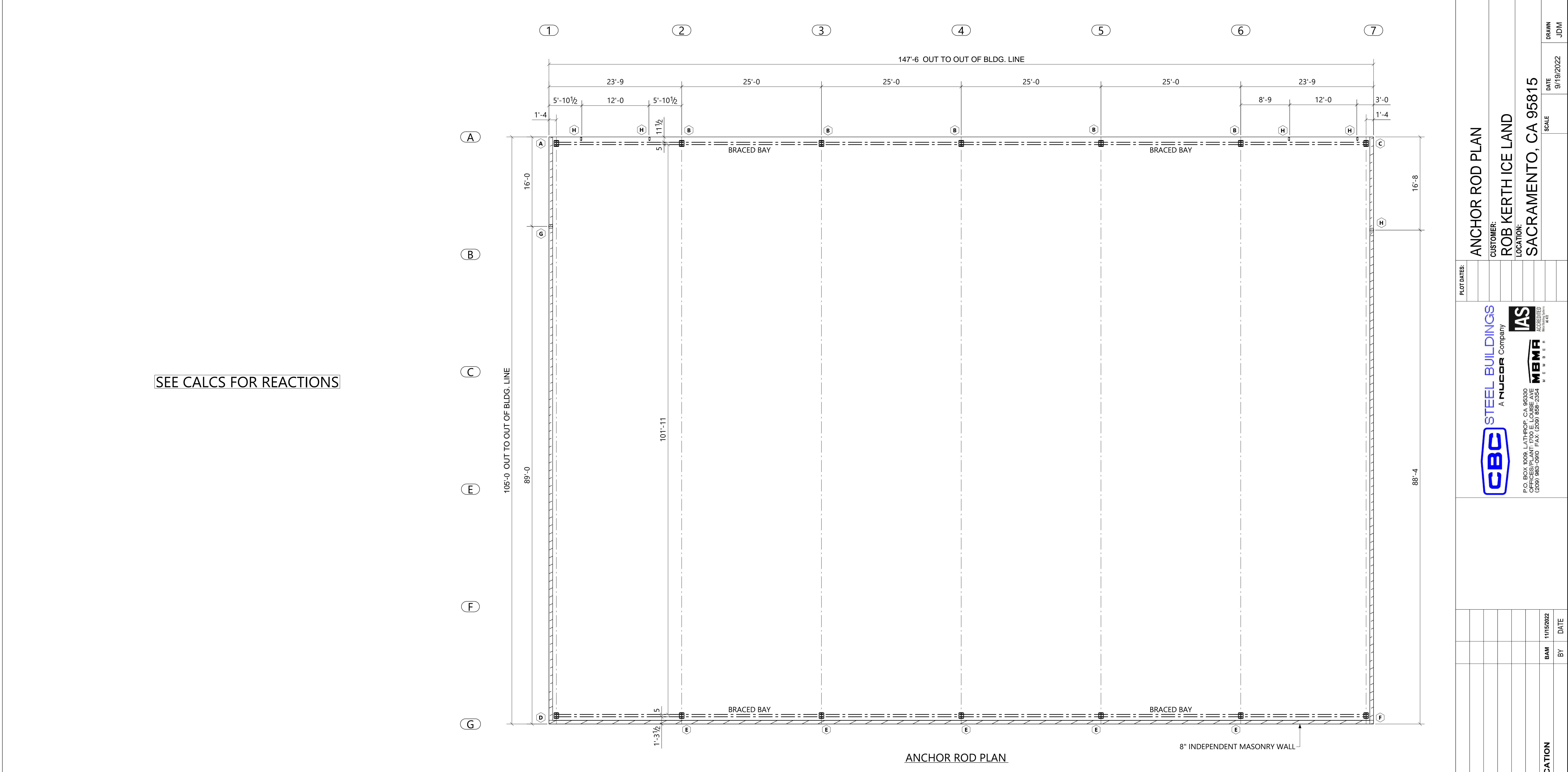
	<div>Building Information<div>Building Width: 105'-0"Front Eave Ht.: 20'-0"Building Length: 147'-6"Back Eave Ht.: 20'-0"</div><div>Roof Panel Type: 26 Ga. R-PanelRoof Color: GALVALUME PLUSWall Panel Type: 26 Ga. R-PanelWall Color: REGAL WHITERoof Trim Color: REGAL WHITEWall Trim Color: REGAL WHITE</div></div>	<div>Material Specifications<div>1. Primary Framing: Web Plates, ASTM A529, A572, A1011, Grade 55 Flanges, ASTM A529, A572, Grade 55</div><div>2. Secondary Framing: Galvanized 16Ga, 15Ga. 14Ga, 13Ga, 12Ga, ASTM A653 G90, Grade 55, Min. Yield 55 ksi.</div><div>3. 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</div><div>4. Bracing: Cables, ASTM A475 Extra High Strength Grade. Angles, ASTM A36, Min. Yield 36 ksi. Rods , A529 Grade 50</div></div>	<div>Product Certifications<div>1. IAS International Accreditation Services, Inc. Approved Fabricator AC-472, MB-152.</div><div>2. City of Los Angeles, CA. Approved Type I Fabricator No. 1436.</div><div>3. City of Riverside, CA. Approved Type I Fabricator No. SP07-0091.</div><div>4. Clark County, Approved Steel Fabricator No. 404.</div></div> <div>Codes & Specifications<div>The design of this structure is in compliance with the CBC specifications and standards, utilizing the pertinent provisions and recommendations of the following Codes.</div><div>1. California Building Code, 2019 Edition (CBC 2019).</div><div>2. American Institute of Steel Construction, Fifteenth Edition (AISC 360-16 & AISC 341-16).</div><div>3. American Iron and Steel Institute, 2016 Edition (AISI S100-16).</div><div>4. Metal Building Manufacturers Association, 2018 Edition (MBMA, 2018).</div><div>5. American Welding Society, Structural Welding Code (AWS D1.1, 2015).</div></div> <div>Inspections<div>1. 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.</div><div>2. 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.</div><div>3. 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.</div></div>	<div>Design Loads<div>This steel building is designed utilizing the following loads, in compliance with the pertinent provisions of the California Building Code, 2019 Edition (CBC 2019).</div><div>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.</div><div>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.</div><div>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</div><div>Wind Load, Speed Vult: 110 mph, Vasd: 85 mph Exposure C Wind Enclosure Enclosed, GCpi = ±0.18 Impt. Factor 1.0 Kzt 1.0</div><div>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</div><div>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</div><div>Other Loads: Mezzanine: Live Load N/A Dead Load N/A Crane Load N/A</div></div> <div>Drawing Status<div><input type="checkbox"/> Preliminary: These drawings are conceptual only and are not to be used for the permit or construction process.</div><div><input type="checkbox"/> 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.</div><div><input checked="" type="checkbox"/> For Construction Erection drawings, identified as "Detailed for Fabrication".</div></div>	<div>GENERAL INFORMATION<div>CBC JOB No. C22B0182A</div><div>CUSTOMER: ROB KERTH ICE LAND</div><div>LOCATION: SACRAMENTO, CA 95815</div></div> <div>PLAT DATES:<div></div></div> <div><div><div><div>CBC STEEL BUILDINGS</div><div>A NUCOR Company</div></div><div><div>IAS</div><div>INTERNATIONAL ACCREDITATION SERVICES, INC.</div><div>447</div></div><div><div>MBMA</div><div>MEMBER</div></div></div><div><div>P.O. BOX 1008 LATHROP, CA 95330</div><div>OFFICES: PLANT 17000 LORRAINE</div><div>CHICO, CA 95926 FAX (530) 885-2535</div></div></div> <div><div>11/15/2022</div><div>BAM</div><div>DATE</div></div> <div><div>DETAILED FOR FABRICATION</div><div>REV</div></div>	<div>DEALER: R.C. PATTERSON INC.</div> <div>ENGR. APR. VP</div> <div>DRAWN JDM</div> <div>DATE 9/19/2022</div> <div>SHEET 1 OF 11</div>
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SEE CALCS FOR REACTIONS

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.

ANA4: 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

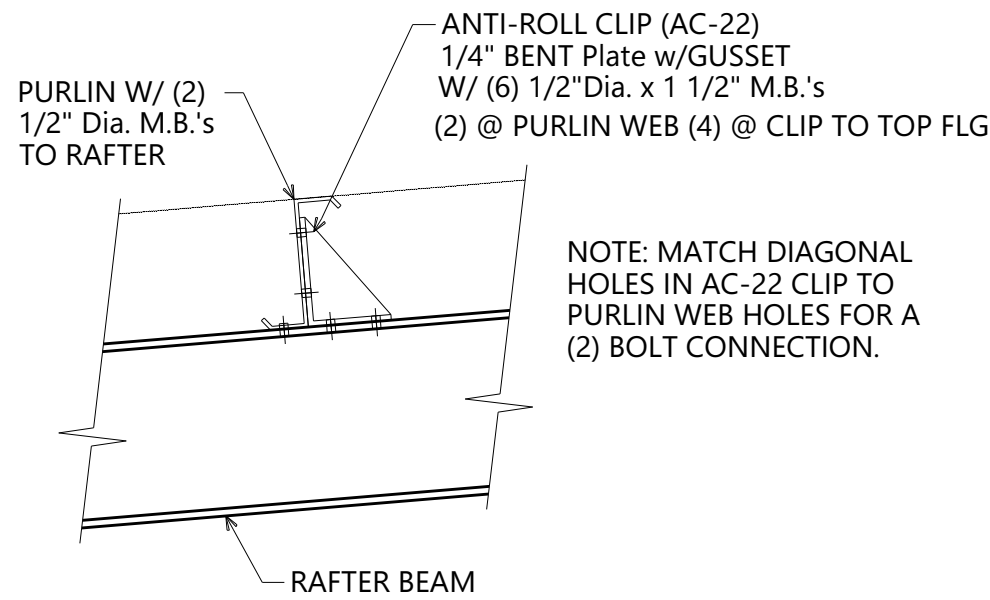
AN8: FINISHED FLOOR ELEVATION = 100'-0"
BOTTOM OF BASE PLATE = 100'-0" UNLESS
NOTED OTHERWISE

(2) 1 1/4" dia. bolts @ 28 Places See Details
(2) 3/4" dia. bolts @ 2 Places See Details
(2) 1/2" dia. bolts @ 4 Places See Details

MATERIAL DESCRIPTION	
NOTE: ALL LIGHT GA. MAT'L GALVANIZED	
GE8- EAVE STRUT 8"x 8"x 16 Ga. "Gee"	FC- STRUCTURAL BUILT-UP COLUMNS
GEX- EAVE STRUT 9 1/2"x 8"x 14 Ga. "Gee"	FR- STRUCTURAL BUILT-UP RAFTERS
GR8- CORNER POSTS 8"x 8"x 16 Ga. "Gee"	FR- 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
PR- 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"x7/8"x7/8"x10 Ga. "Zee"
PH- WALL SHEETING 26 Ga. REVERSE "R" PANEL	RB- RIDGE SAG BLOCKING 5 1/4"x7/8"x7/8"x16 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	R6- BRACE RODS 3/4"Ø
S3P- ROOF SHEETING STANDING SEAM MS-34 PANEL	RB- BRACE RODS 1"Ø
S3P- ROOF SHEETING STANDING SEAM MS-34 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	

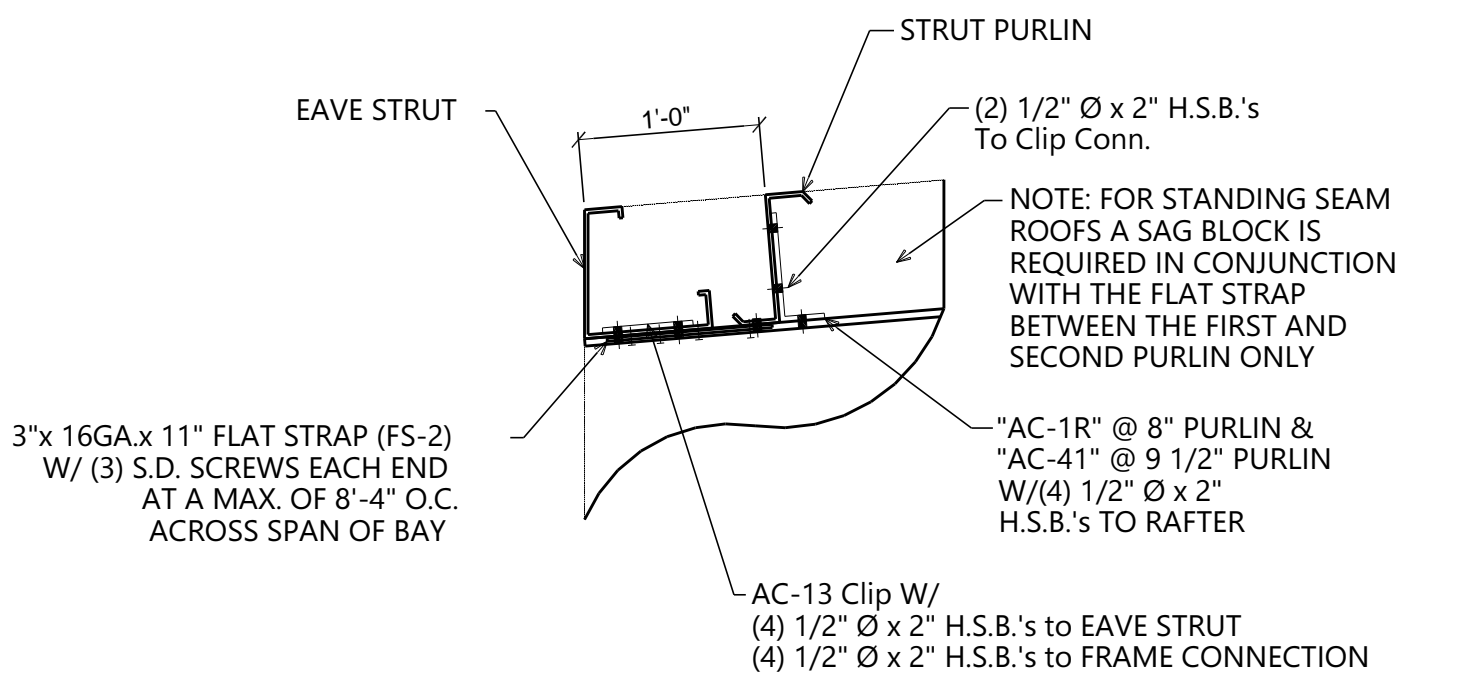
8" DEEP MEMBER DESCRIPTIONS	
ZS- ROOF PURLINS / WALL GIRTS 8"x 2 1/2"x 12 Ga. (0.099) "Zee"	ZY- ROOF PURLINS / WALL GIRTS 9 1/2"x 3"x 13 Ga. (0.099) "Zee"
ZX- ROOF PURLINS / WALL GIRTS 8"x 2 1/2"x 13 Ga. (0.089) "Zee"	ZU- ROOF PURLINS / WALL GIRTS 9 1/2"x 3"x 13 Ga. (0.089) "Zee"
ZT- ROOF PURLINS / WALL GIRTS 8"x 2 1/2"x 14 Ga. (0.075) "Zee"	ZL- ROOF PURLINS / WALL GIRTS 9 1/2"x 3"x 14 Ga. (0.075) "Zee"
ZV- ROOF PURLINS / WALL GIRTS 8"x 2 1/2"x 15 Ga. (0.067) "Zee"	ZO- ROOF PURLINS / WALL GIRTS 9 1/2"x 3"x 15 Ga. (0.067) "Zee"
ZW- 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"
CX- DOOR HEADERS/JAMBS & END POSTS 8"x 2 1/2"x 12 Ga. (0.099) "Cee"	CP- DOOR HEADERS/JAMBS & END POSTS 9 1/2"x 2 1/2"x 15 Ga. (0.067) "Cee"
CY- DOOR HEADERS/JAMBS & END POSTS 8"x 2 1/2"x 13 Ga. (0.089) "Cee"	UY- CAP CHANNEL 9 3/4" x 3" x 12 Ga.
CZ- DOOR HEADERS/JAMBS & END POSTS 8"x 2 1/2"x 14 Ga. (0.075) "Cee"	UU- 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"	UI- 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.	
UZ- 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.	

9 1/2" DEEP MEMBER DESCRIPTIONS	
ZY- ROOF PURLINS / WALL GIRTS 9 1/2"x 3"x 13 Ga. (0.099) "Zee"	ZU- ROOF PURLINS / WALL GIRTS 9 1/2"x 3"x 13 Ga. (0.089) "Zee"
ZL- ROOF PURLINS / WALL GIRTS 9 1/2"x 3"x 14 Ga. (0.075) "Zee"	ZO- ROOF PURLINS / WALL GIRTS 9 1/2"x 3"x 15 Ga. (0.067) "Zee"
CC- DOOR HEADERS/JAMBS & END POSTS 9 1/2"x 2 1/2"x 12 Ga. (0.099) "Cee"	CP- DOOR HEADERS/JAMBS & END POSTS 9 1/2"x 2 1/2"x 15 Ga. (0.067) "Cee"
UY- CAP CHANNEL 9 3/4" x 3" x 12 Ga.	UU- CAP CHANNEL 9 3/4" x 3" x 13 Ga.
UI- CAP CHANNEL 9 3/4" x 3" x 14 Ga.	UD- CAP CHANNEL 9 3/4" x 3" x 15 Ga.



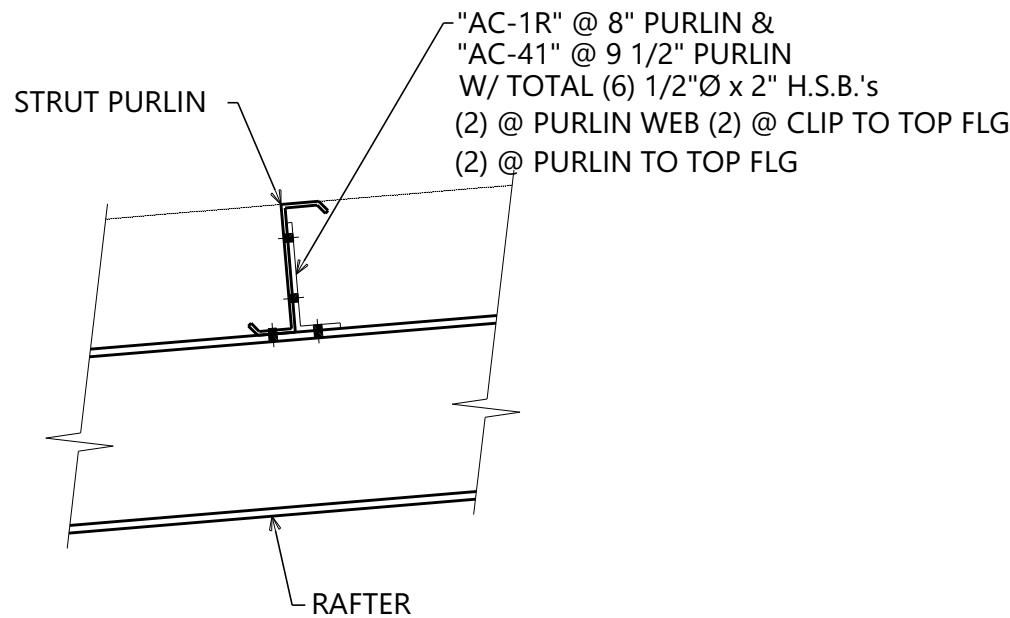
ANTI-ROLL CLIP DETAIL

★ - DENOTES CLIP DETAIL @ PURLIN RUN SHOWN



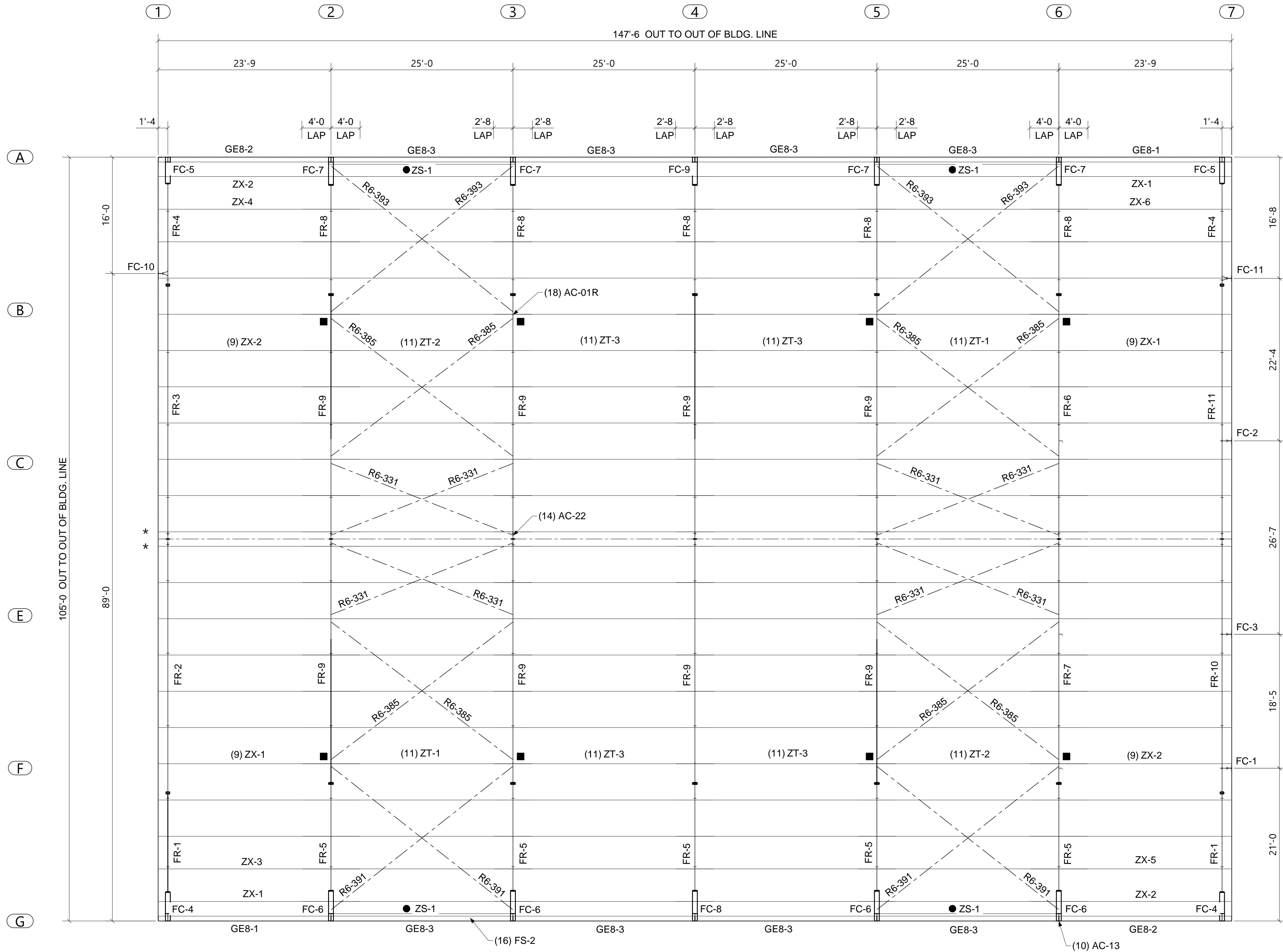
EAVE STRUT PURLIN DETAIL

● - DENOTES CLIP DETAIL @ PURLIN LOCATION SHOWN



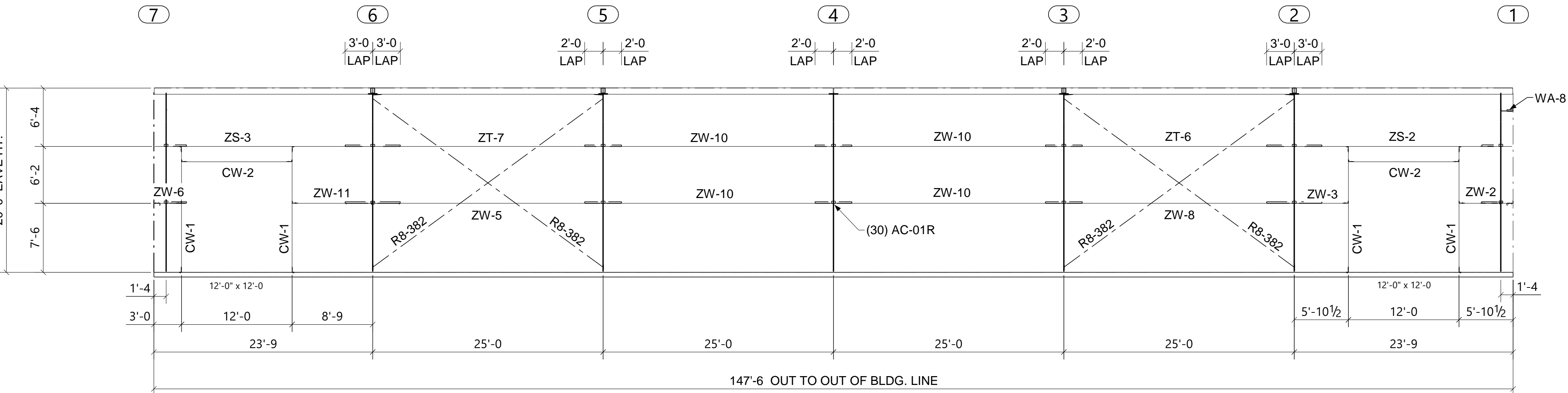
STRUT PURLIN DETAIL

■ - DENOTES CLIP DETAIL @ CONNECTION LOCATION SHOWN

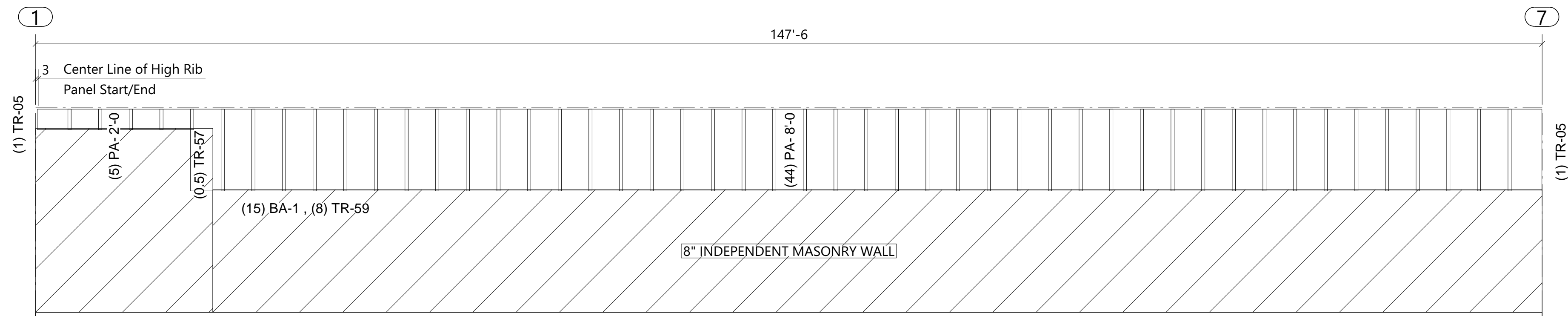


ROOF FRAMING PLAN

CSC JOB No. C22B0182A		ROOF PLAN		PLOT DATES:	
CUSTOMER: ROB KERTH ICE LAND		LOCATION: SACRAMENTO, CA 95815		DATE: 9/19/2022	
DEALER: R.C. PATTERSON INC.		SCALE:		DATE: 9/19/2022	
SHEET 3		DRAWN: JDM		DATE: 9/19/2022	
OF 11		VP		DATE: 9/19/2022	
CSC JOB No. C22B0182A		ROOF PLAN		PLOT DATES:	
CUSTOMER: ROB KERTH ICE LAND		LOCATION: SACRAMENTO, CA 95815		DATE: 9/19/2022	
DEALER: R.C. PATTERSON INC.		SCALE:		DATE: 9/19/2022	
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OF 11		VP		DATE: 9/19/2022	
CSC JOB No. C22B0182A		ROOF PLAN		PLOT DATES:	
CUSTOMER: ROB KERTH ICE LAND		LOCATION: SACRAMENTO, CA 95815		DATE: 9/19/2022	
DEALER: R.C. PATTERSON INC.		SCALE:		DATE: 9/19/2022	
SHEET 3		DRAWN: JDM		DATE: 9/19/2022	
OF 11		VP		DATE: 9/19/2022	
CSC JOB No. C22B0182A		ROOF PLAN		PLOT DATES:	
CUSTOMER: ROB KERTH ICE LAND		LOCATION: SACRAMENTO, CA 95815		DATE: 9/19/2022	
DEALER: R.C. PATTERSON INC.		SCALE:		DATE: 9/19/2022	
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OF 11		VP		DATE: 9/19/2022	
CSC JOB No. C22B0182A		ROOF PLAN		PLOT DATES:	
CUSTOMER: ROB KERTH ICE LAND		LOCATION: SACRAMENTO, CA 95815		DATE: 9/19/2022	
DEALER: R.C. PATTERSON INC.		SCALE:		DATE: 9/19/2022	
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CUSTOMER: ROB KERTH ICE LAND					

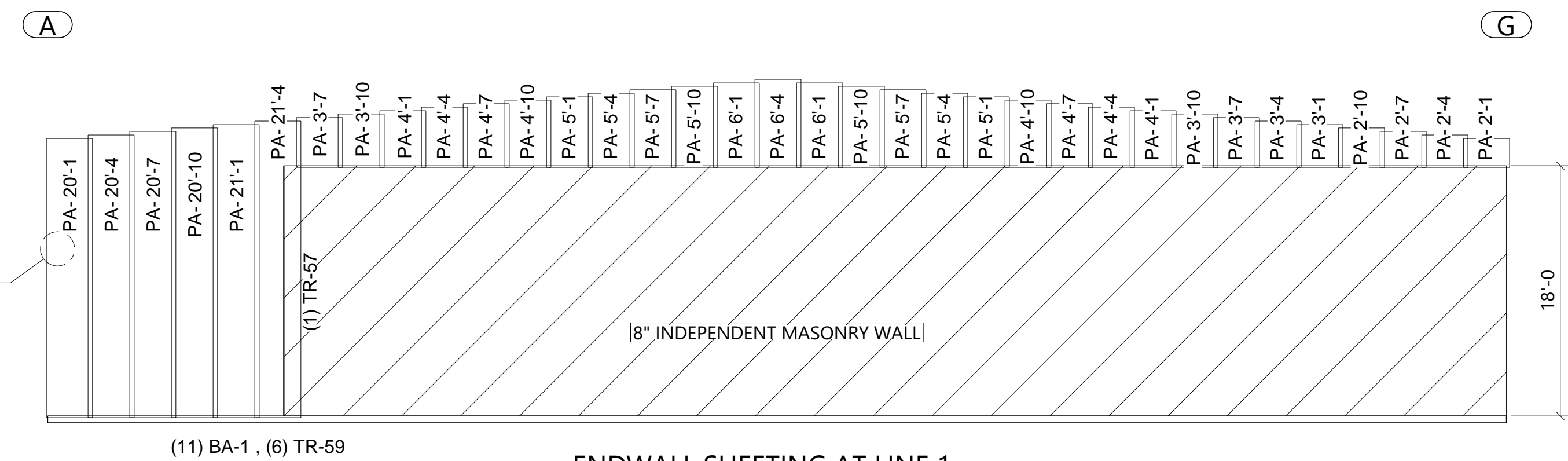


PANEL: 26Ga 'R' COLOR : REGAL WHITE

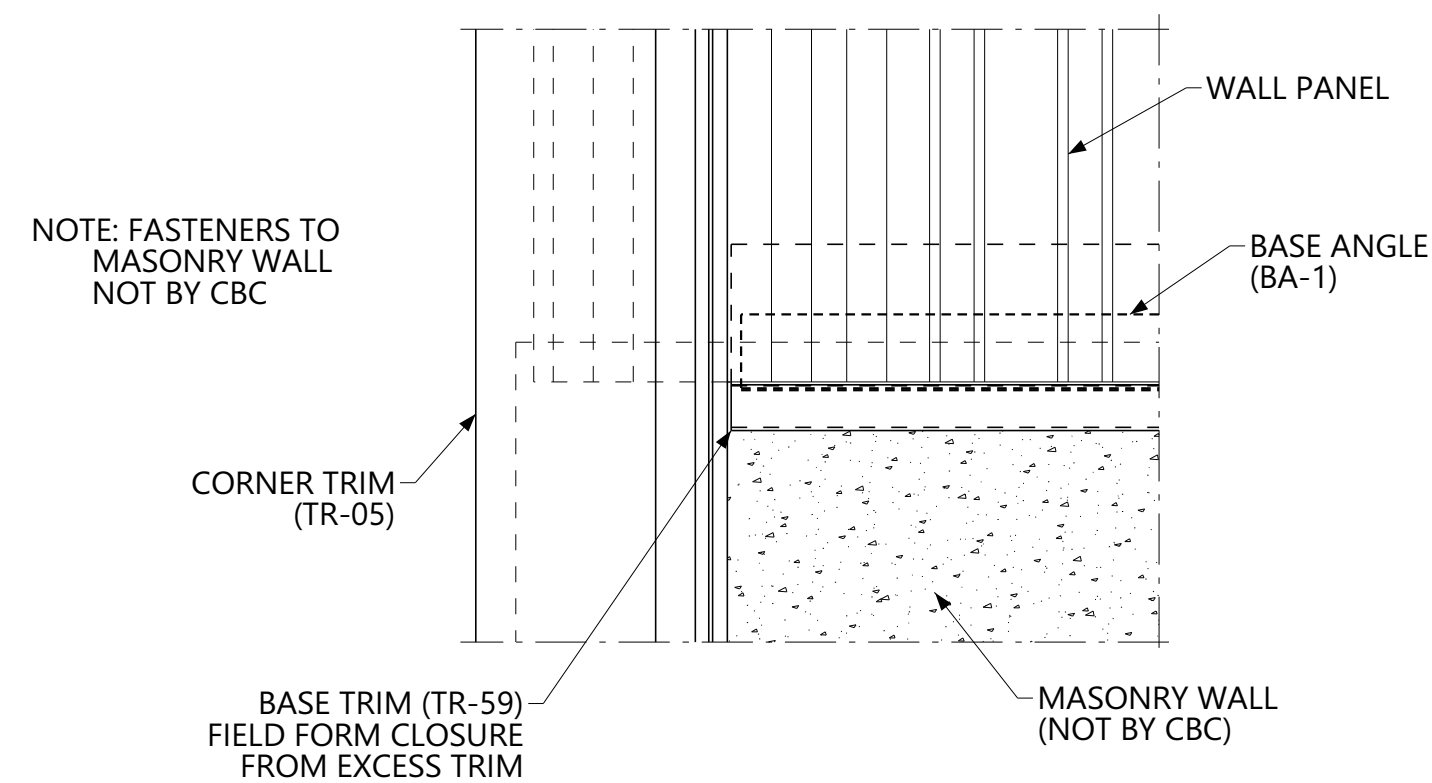


PANEL: 26Ga 'R' COLOR : REGAL WHITE

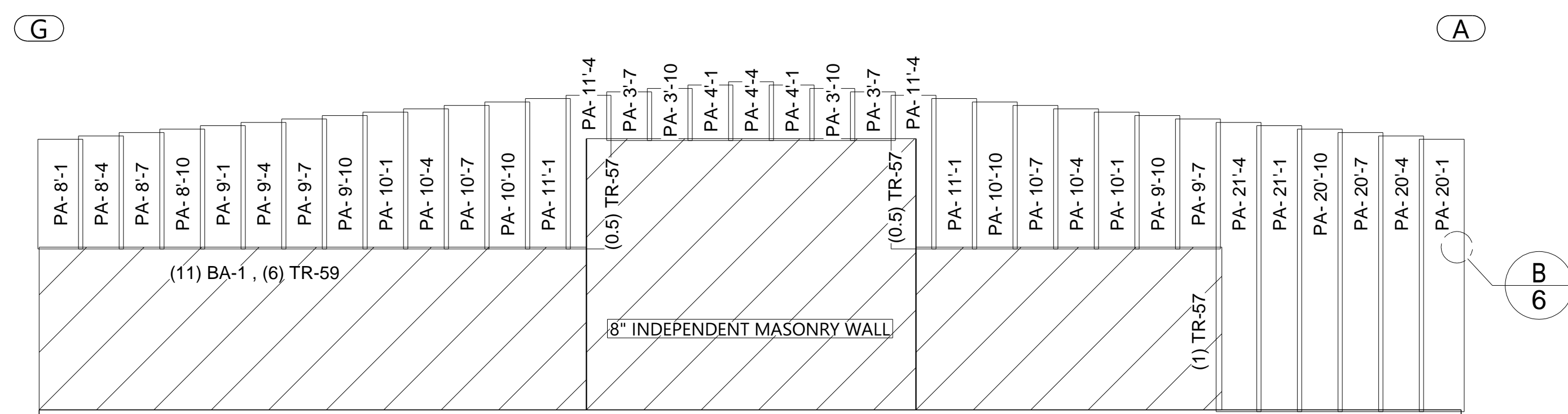
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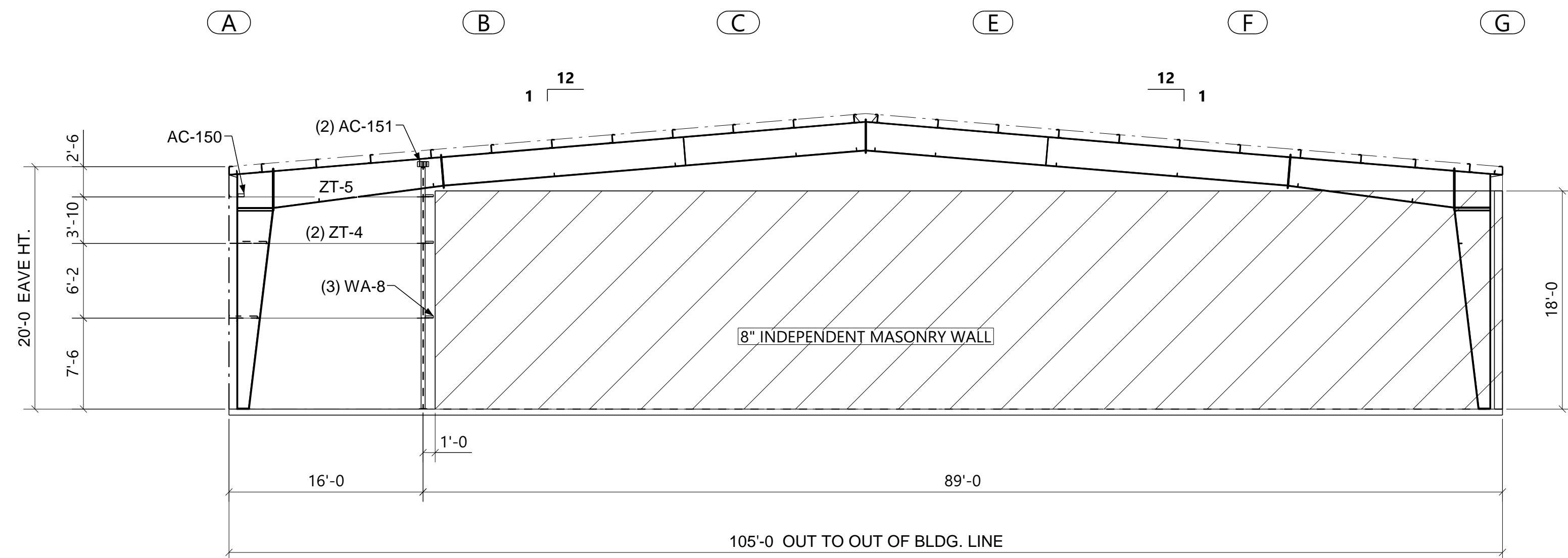
ENDWALL SHEETING AT LINE 1
PANEL: 26Ga 'R' COLOR : REGAL WHITE



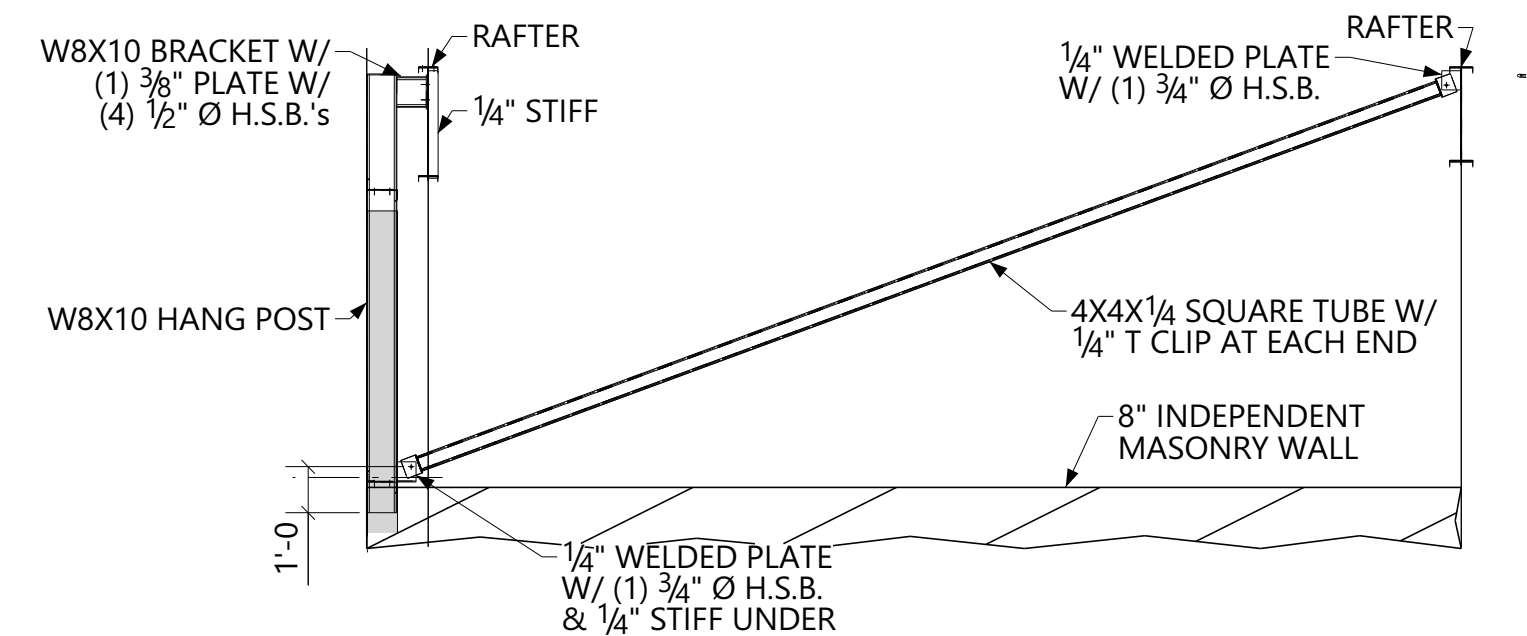
B Trim Detail



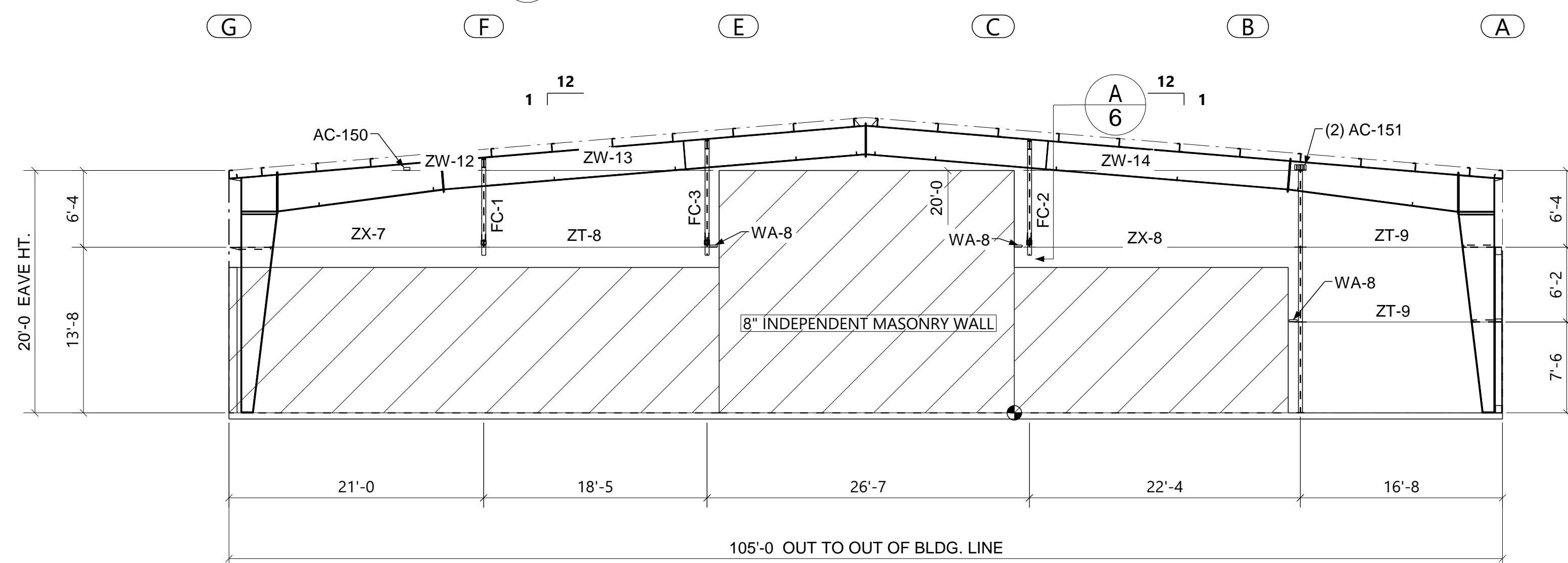
ENDWALL SHEETING AT LINE 7
PANEL: 26Ga 'R' COLOR : REGAL WHITE



ENDWALL ELEVATION AT LINE 1
END POSTS: W8X10



A6 Hang Post and Kicker Detail



ENDWALL ELEVATION AT LINE 7
HANG POSTS: W8X10
END POST: W8X10

[illegible]



CROSS SECTION AT LINES 2-6


CUSTOMER: ROB KERTH ICE LAND

LOCATION:
SACRAMENTO, CA 95815

CBC JOB No. C22B0182A

DEALER: R.C. PATTERSON INC

SHEET	OF
8	11



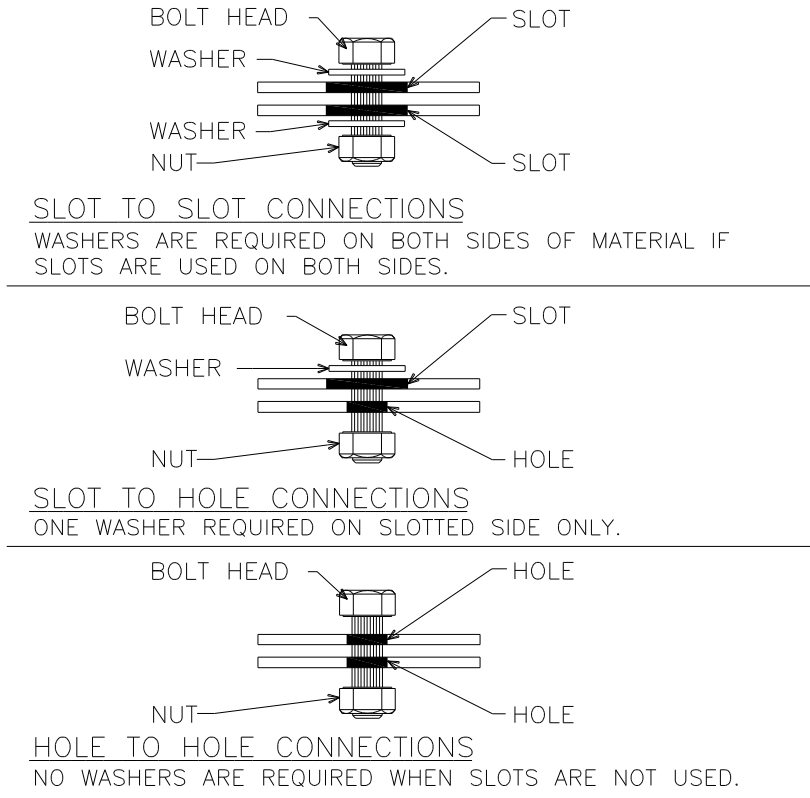
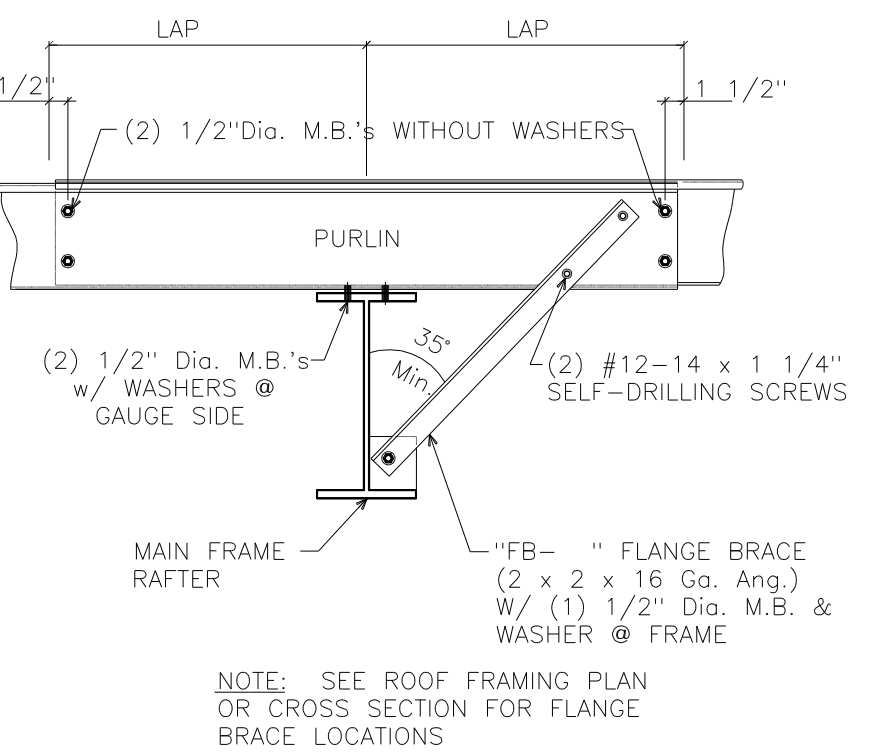
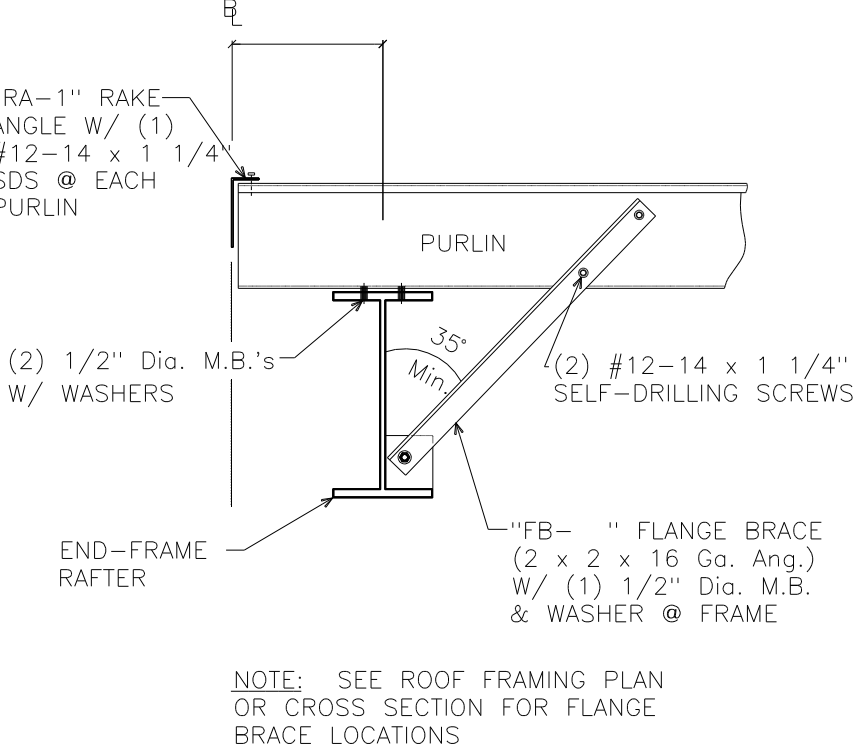
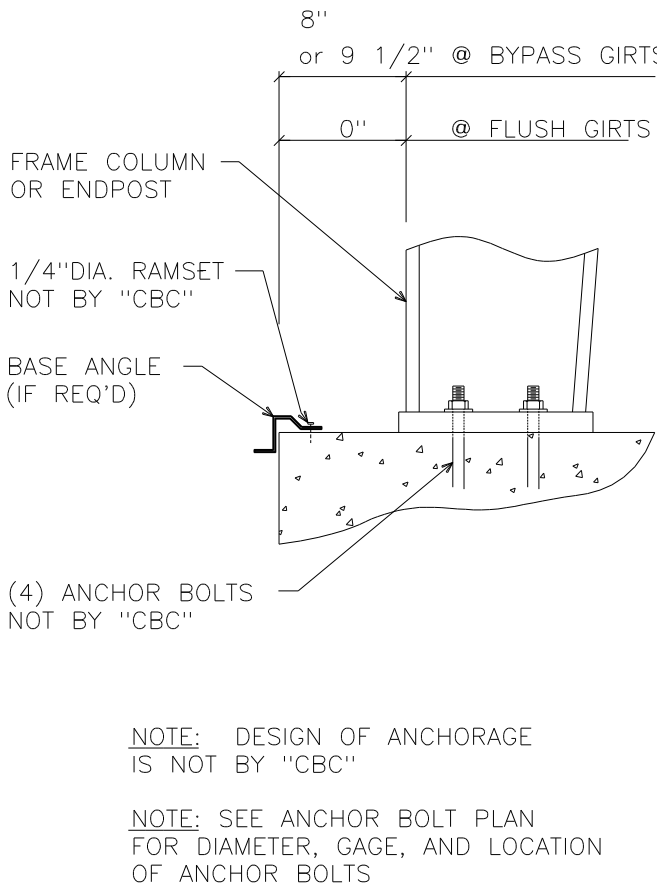
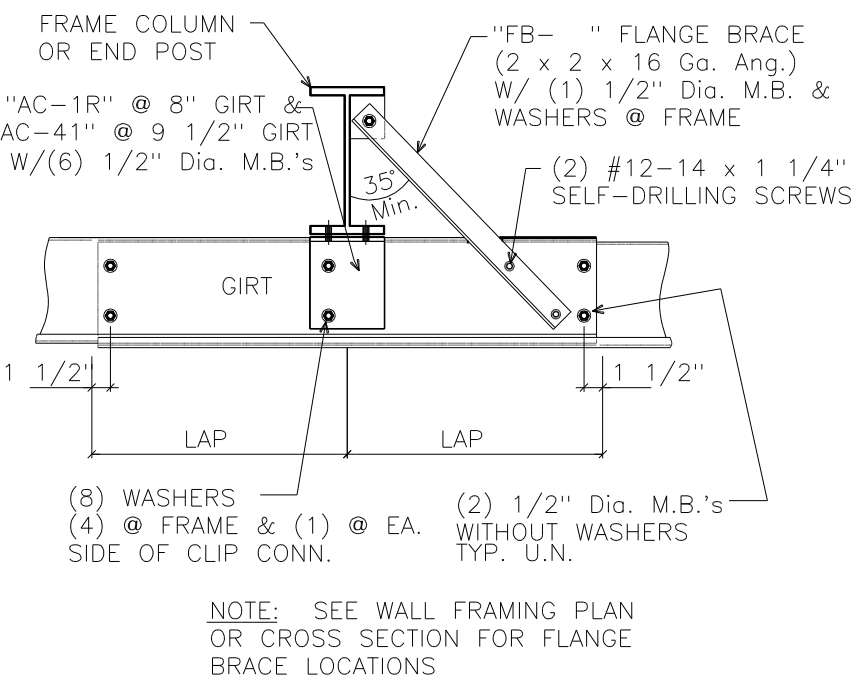
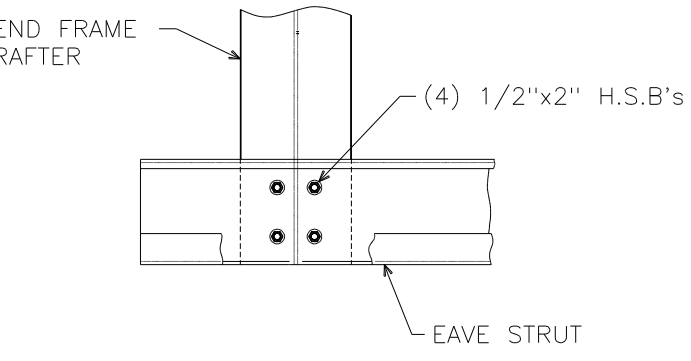
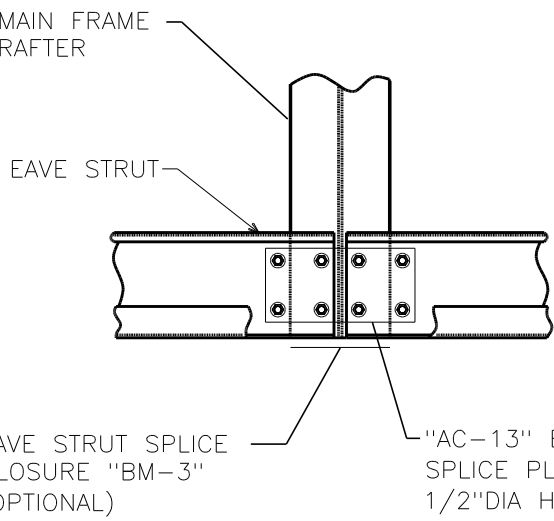
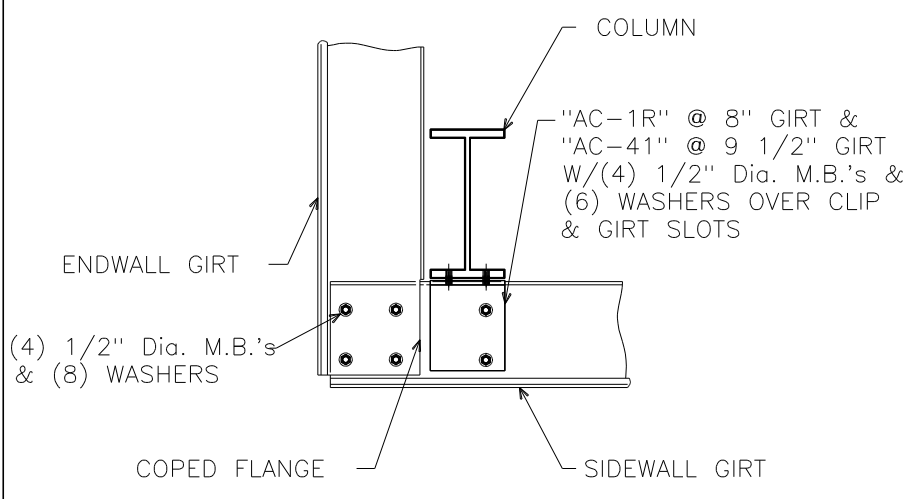
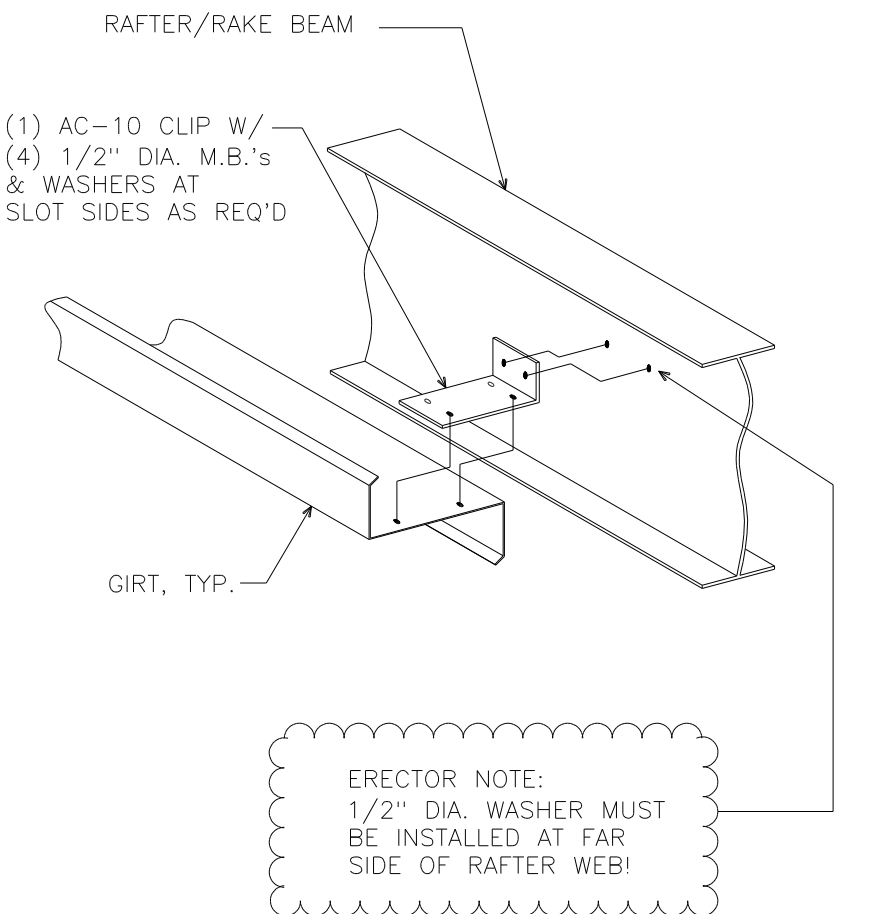
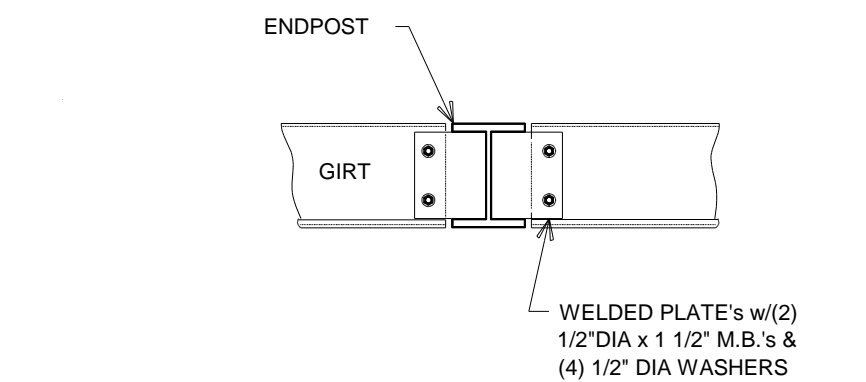
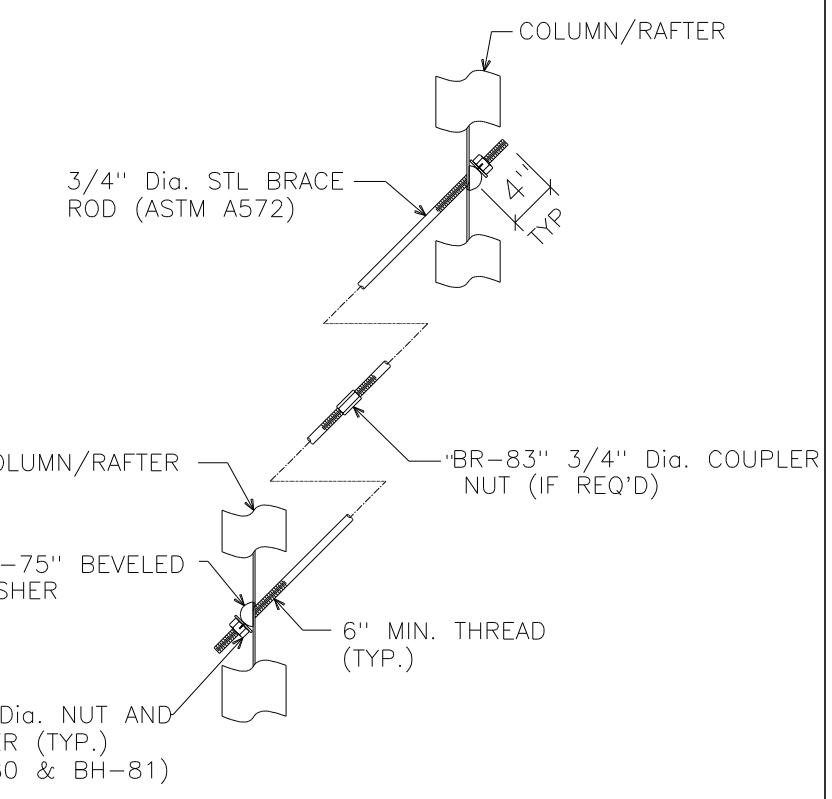
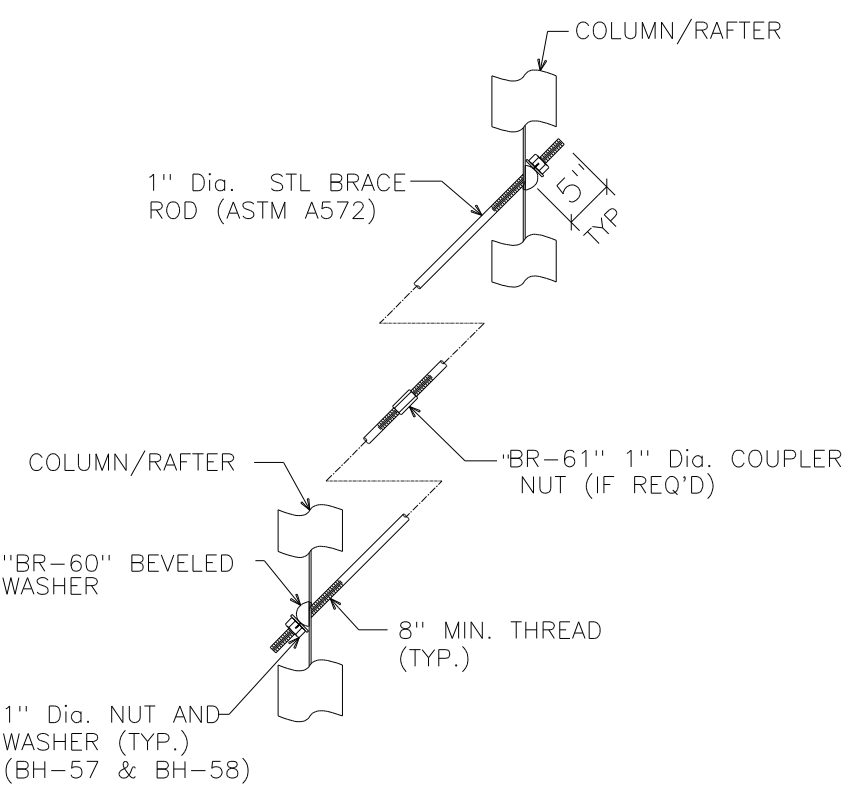
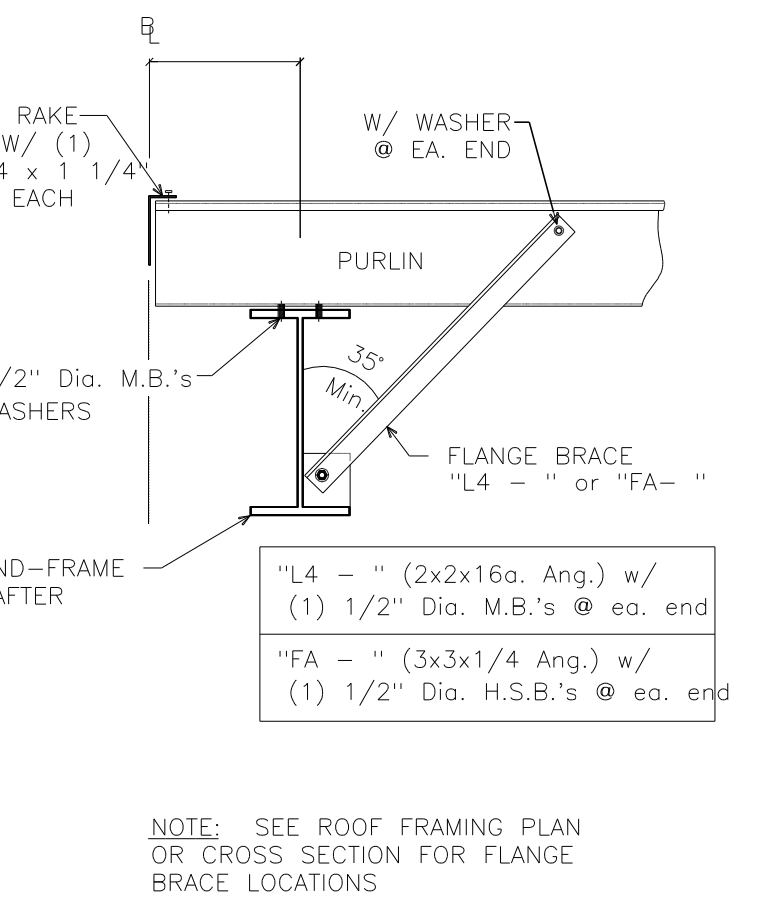
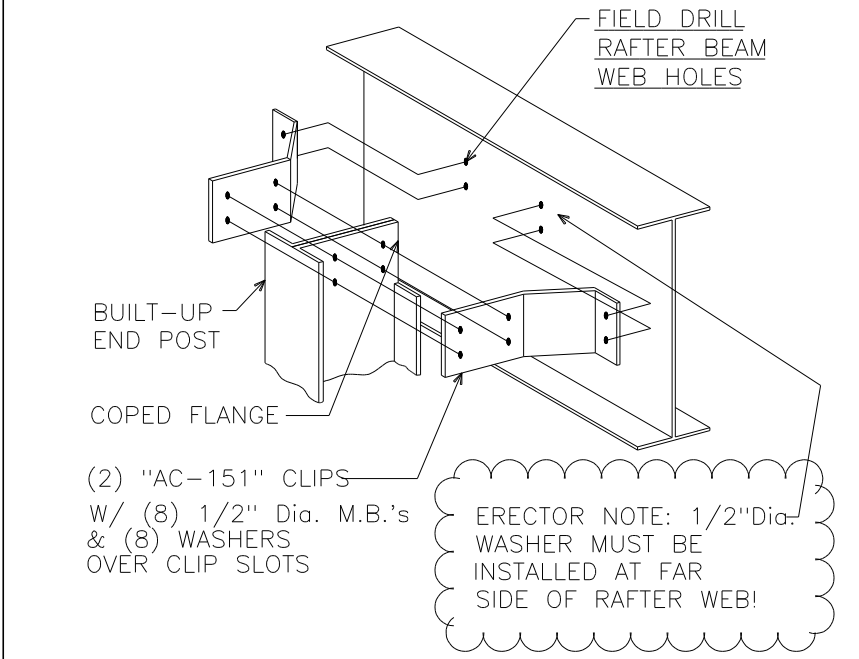
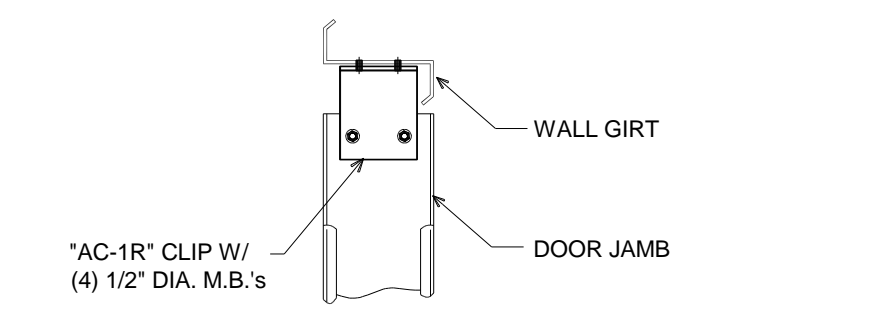
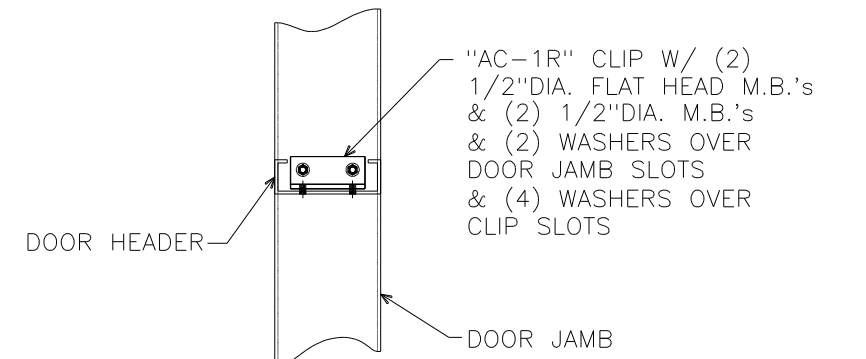
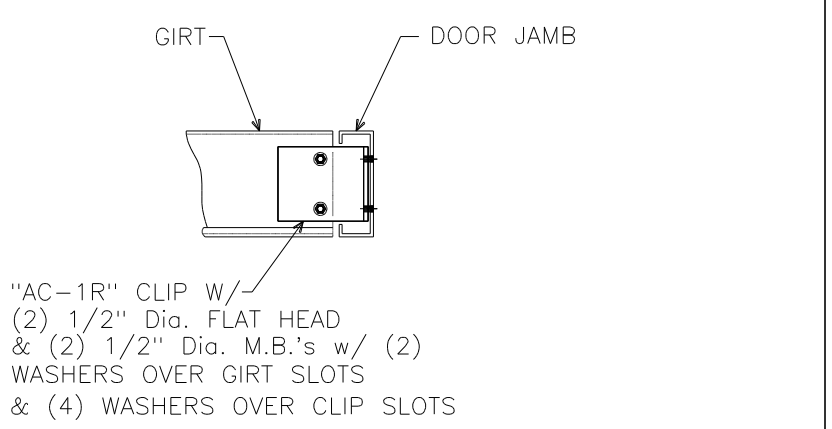
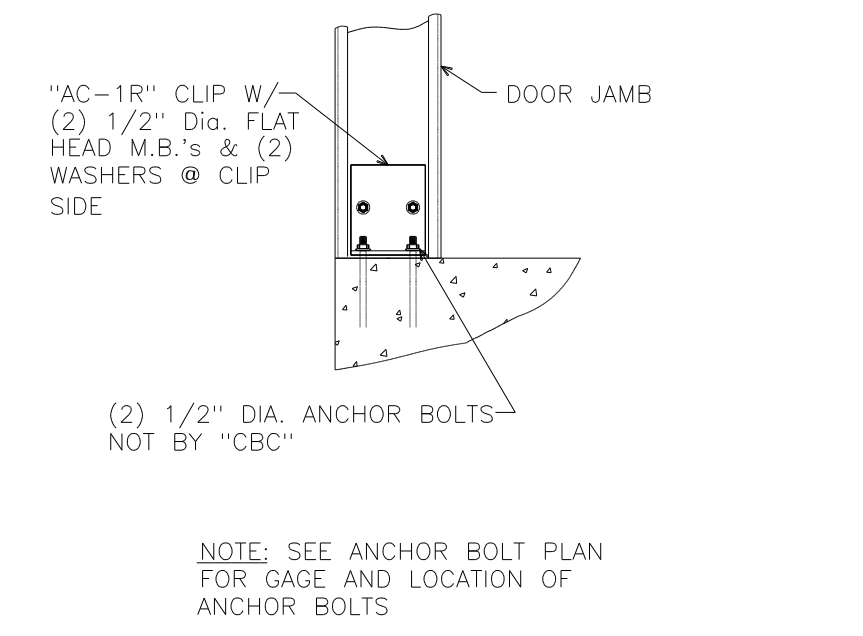
CBC STEEL BUILDINGS
A **NUCOR** Company

MBMA MEMBER
IAS ACCREDITED
 P.O. BOX 1009, LATHROP, CA 95330
 OFFICES/PLANT: 1700 E. LOUISE AVE
 (209) 983-0910 FAX: (209) 858-2354

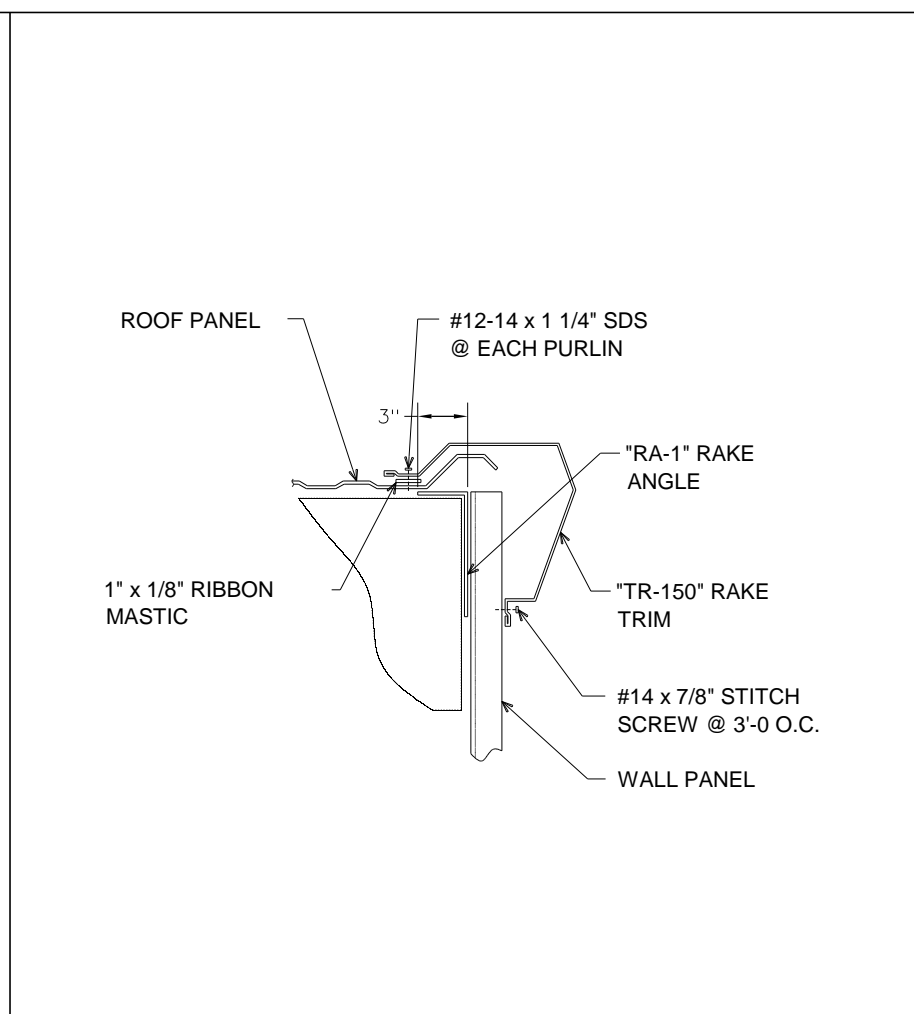
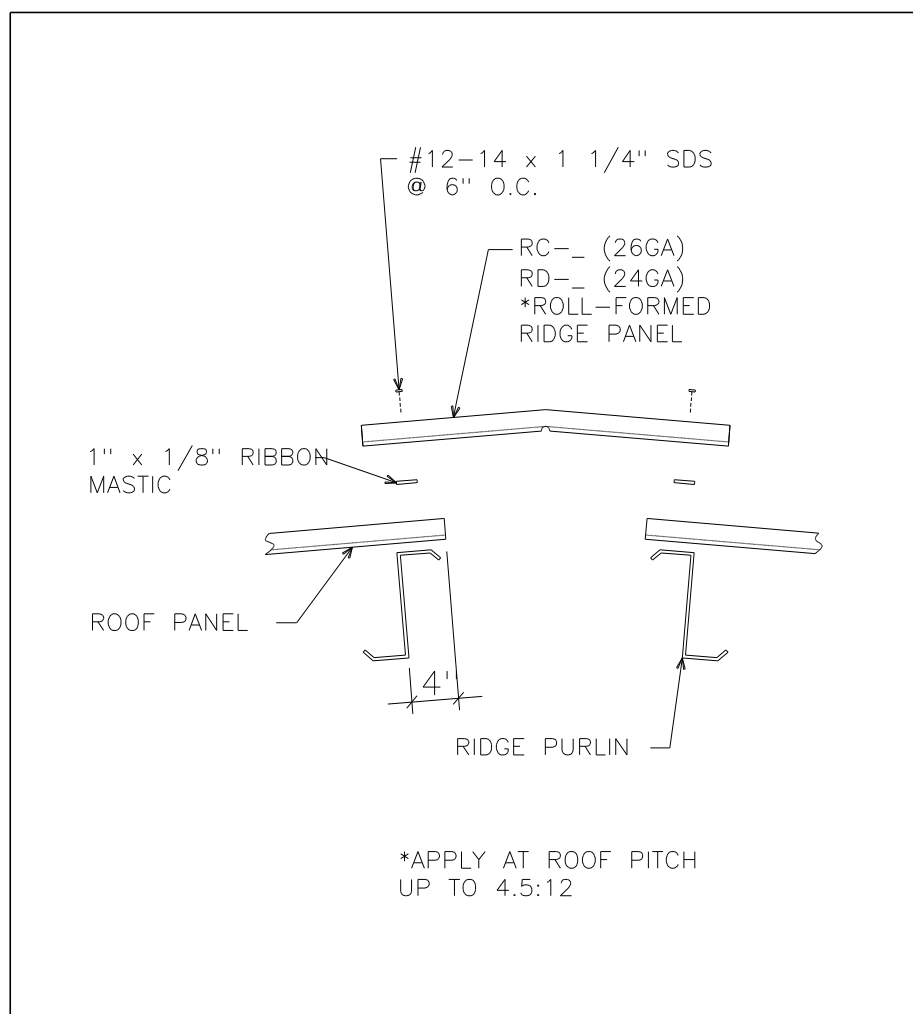
1 DETAILED FOR FABRICATION

11/15/2023: BAM

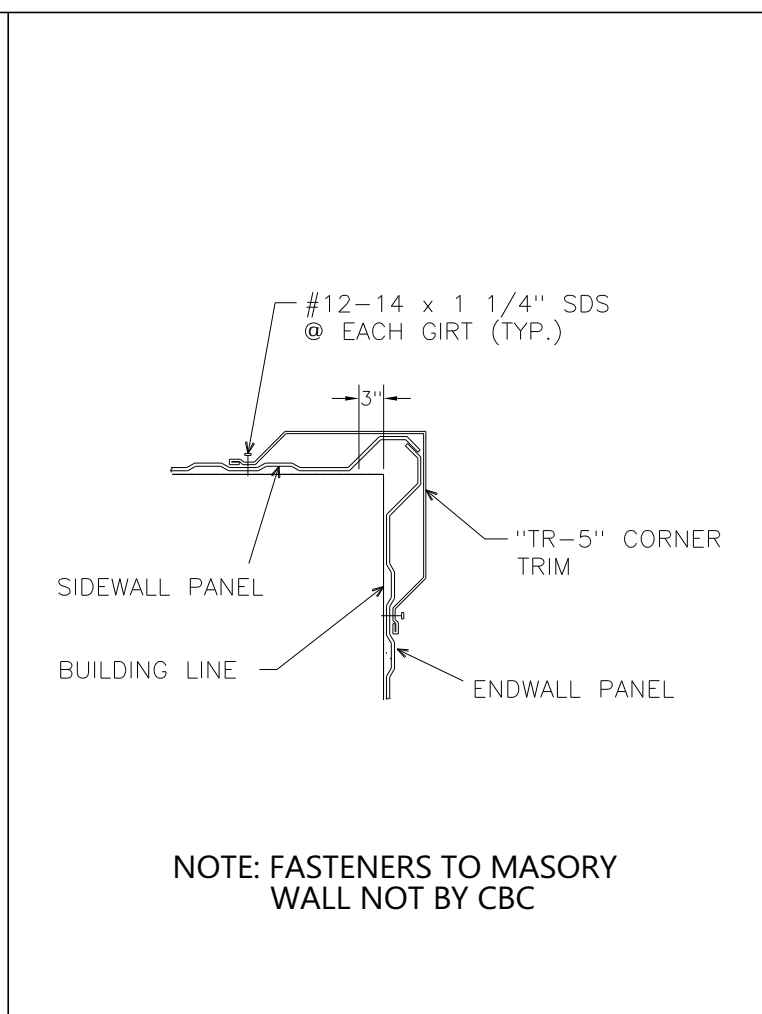
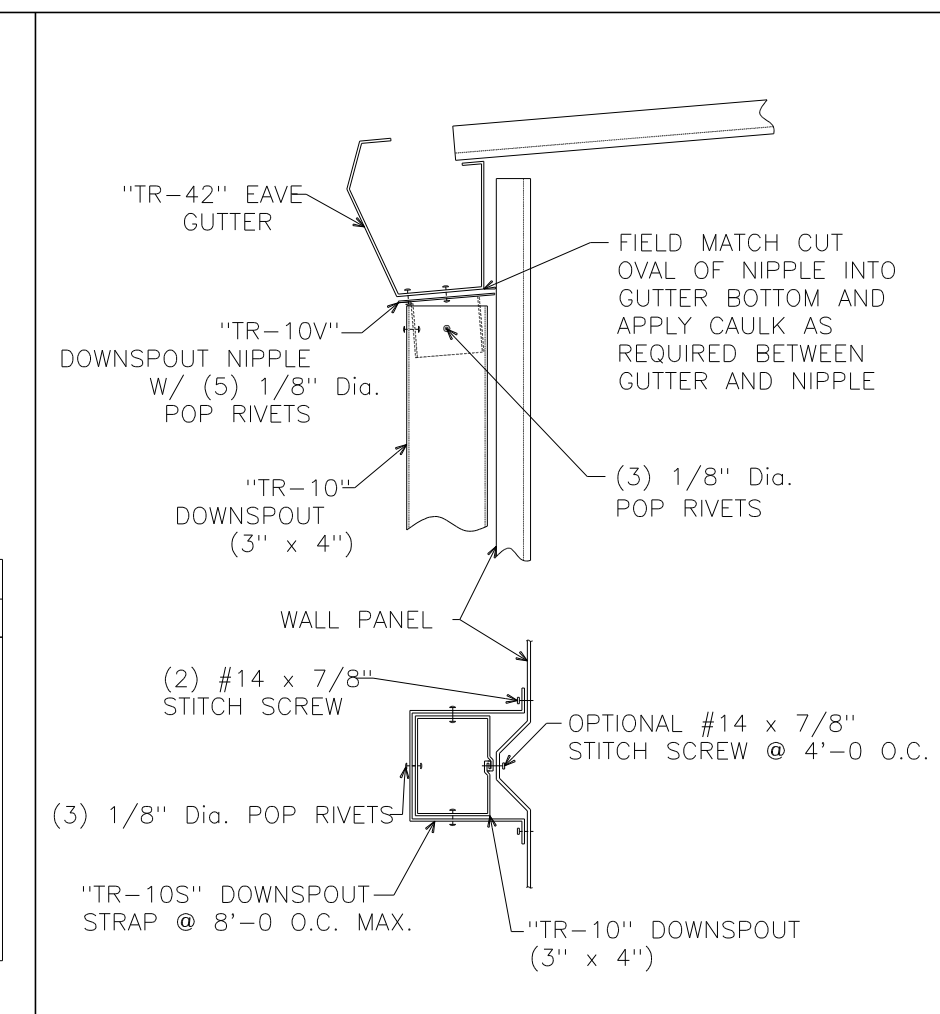
Building Systems
AC 472

<p><u>TYPICAL MACHINE BOLT WASHER REQUIREMENTS</u> (UNLESS NOTED OTHERWISE ON DRAWINGS)</p> <p>(WASHERS ARE NOT REQUIRED AT PURLIN-GIRT LAP BOLTS)</p>  <p>SLOT TO SLOT CONNECTIONS WASHERS ARE REQUIRED ON BOTH SIDES OF MATERIAL IF SLOTS ARE USED ON BOTH SIDES.</p> <p>SLOT TO HOLE CONNECTIONS ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.</p> <p>HOLE TO HOLE CONNECTIONS NO WASHERS ARE REQUIRED WHEN SLOTS ARE NOT USED.</p>		 <p>NOTE: SEE ROOF FRAMING PLAN OR CROSS SECTION FOR FLANGE BRACE LOCATIONS</p>		 <p>NOTE: SEE ROOF FRAMING PLAN OR CROSS SECTION FOR FLANGE BRACE LOCATIONS</p>		 <p>NOTE: DESIGN OF ANCHORAGE IS NOT BY "CBC"</p> <p>NOTE: SEE ANCHOR BOLT PLAN FOR DIAMETER, GAGE, AND LOCATION OF ANCHOR BOLTS</p>		 <p>NOTE: SEE WALL FRAMING PLAN OR CROSS SECTION FOR FLANGE BRACE LOCATIONS</p>				 <p>EAVE STRUT SPLICER PLATE W/ (8) 1/2" DIA. H.S.B.'s</p>	
1	TYPICAL WASHER REQUIREMENTS	2	CONTINUOUS PURLINS	3	END FRAME PURLINS	4	(4) BOLT BASE DETAIL	5	CONTINUOUS GIRTS	6	EAVE STRUT CONN. END	7	EAVE STRUT SPLICER PL
 <p>ERECTOR NOTE: 1/2" DIA. WASHER MUST BE INSTALLED AT FAR SIDE OF RAFTER WEB!</p>		 <p>ERECTOR NOTE: 1/2" DIA. WASHER MUST BE INSTALLED AT FAR SIDE OF RAFTER WEB!</p>								 <p>NOTE: SEE ROOF FRAMING PLAN OR CROSS SECTION FOR FLANGE BRACE LOCATIONS</p>			
8	COPE "ZEE" GIRT	9	GIRT/ RAFTER BEAM	10	EW INSET GIRTS	11	3/4" ROD BRACING	12	1" ROD BRACING	13	END FRAME PURLINS	14	
 <p>ERECTOR NOTE: 1/2" DIA. WASHER MUST BE INSTALLED AT FAR SIDE OF RAFTER WEB!</p>								 <p>NOTE: SEE ANCHOR BOLT PLAN FOR GAGE AND LOCATION OF ANCHOR BOLTS</p>					
15	END POST RAFTER BEAM	16	DOOR JAMB/WALL GIRT	17	DOOR JAMB / HEADER	18	DOOR JAMB / GIRT	19	DOOR JAMB BASE	20		21	
22		23		24		25		26		27		28	

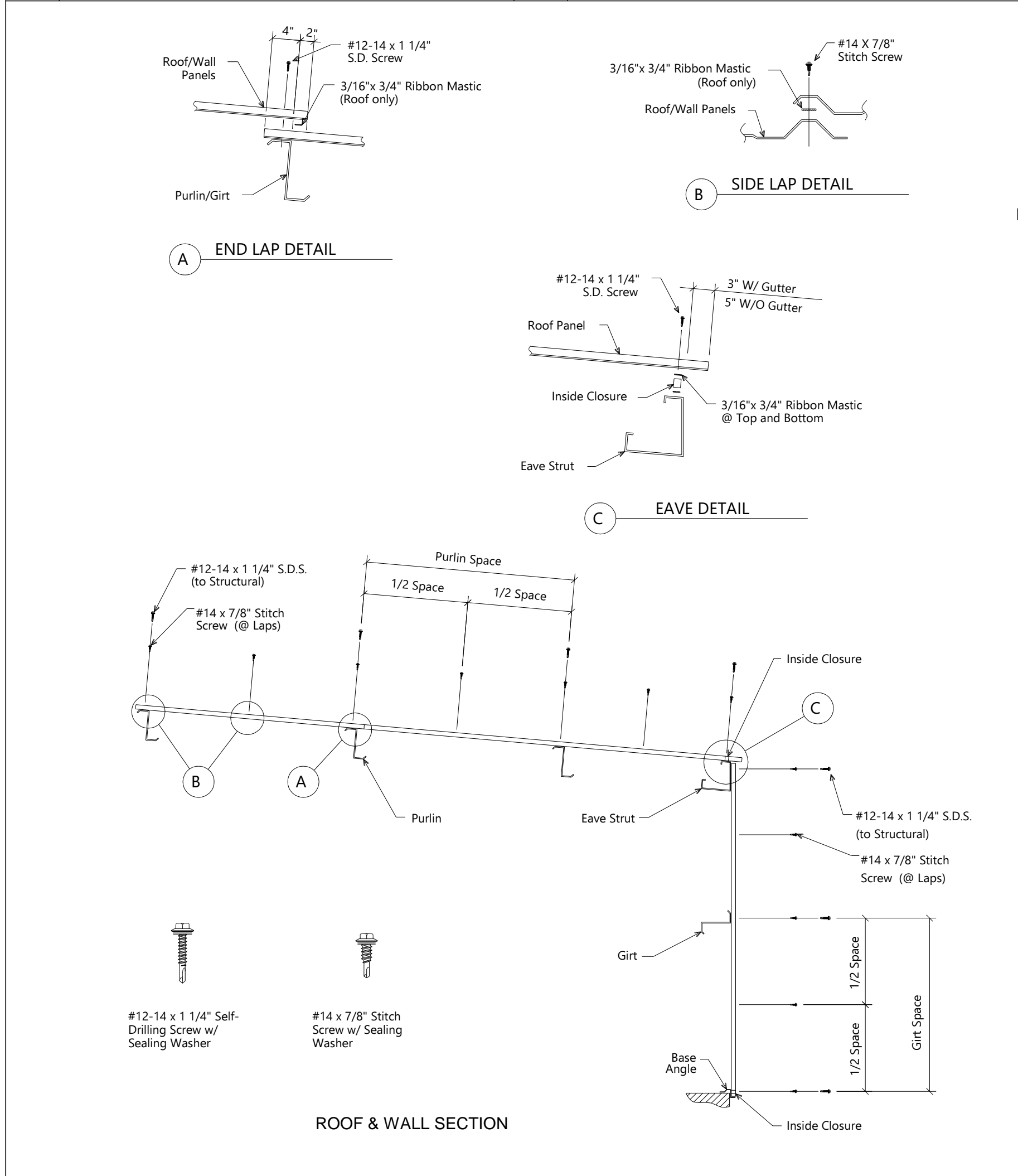
<div> <div>CBC JOB No.</div> <div>C22B0182A</div> </div>		<div> <div>GENERAL DETAILS</div> <div>CUSTOMER: ROBERT KERTH ICE LAND</div> <div>LOCATION: SACRAMENTO, CA 95815</div> </div>		<div> <div>DEALER:</div> <div>R.C. PATTERSON INC.</div> </div>		<div> <div>ENGR. APPR.</div> <div>VP</div> </div>		<div> <div>DRAWN</div> <div>JDM</div> </div>		<div> <div>DATE</div> <div>9/19/2022</div> </div>		<div> <div>SCALE</div> <div></div> </div>		<div> <div>SHEET</div> <div>9</div> </div>		<div> <div>OF</div> <div>11</div> </div>	
<div> <div>PLT DATES:</div> <div></div> </div>		<div> <div>STEEL BUILDINGS</div> <div>A NUCOR Company</div> </div>		<div> <div>IAS</div> <div>INSULATION</div> <div>MANUFACTURING</div> </div>		<div> <div>MBM</div> <div>MEMBER</div> </div>		<div> <div>P.O. BOX 1009, LATHROP, CA 95330</div> <div>OFFICE: 916-477-0000 FAX: 916-477-0000</div> </div>		<div> <div>11/15/2022</div> <div>DATE</div> </div>		<div> <div>BY</div> <div></div> </div>		<div> <div>REVISION</div> <div></div> </div>		<div> <div>DETAILED FOR FABRICATION</div> <div></div> </div>	



<div>8"-CEE" SECTION</div> <div><p>16 GA. (0.060) $S_{xx} = 1.87 \text{ IN}^3$ $A_e = 0.50 \text{ IN}^2$ 15 GA. (0.067) $S_{xx} = 2.05 \text{ IN}^3$ $A_e = 0.55 \text{ IN}^2$ 14 GA. (0.075) $S_{xx} = 2.52 \text{ IN}^3$ $A_e = 0.74 \text{ IN}^2$ 13 GA. (0.089) $S_{xx} = 2.84 \text{ IN}^3$ $A_e = 0.85 \text{ IN}^2$ 12 GA. (0.099) $S_{xx} = 3.23 \text{ IN}^3$ $A_e = 1.02 \text{ IN}^2$</p><p>Fy = 55 ksi</p></div>		<div>8"-ZEE" SECTION</div> <div><p>16 GA. (0.060) $S_{xx} = 1.72 \text{ IN}^3$ $A_e = 0.44 \text{ IN}^2$ 15 GA. (0.067) $S_{xx} = 1.97 \text{ IN}^3$ $A_e = 0.52 \text{ IN}^2$ 14 GA. (0.075) $S_{xx} = 2.33 \text{ IN}^3$ $A_e = 0.65 \text{ IN}^2$ 13 GA. (0.089) $S_{xx} = 2.74 \text{ IN}^3$ $A_e = 0.80 \text{ IN}^2$ 12 GA. (0.099) $S_{xx} = 3.15 \text{ IN}^3$ $A_e = 0.97 \text{ IN}^2$</p><p>Fy = 55 ksi</p></div>		<div>9 1/2"-CEE" SECTION</div> <div><p>16 GA. (0.060) $S_{xx} = 2.11 \text{ IN}^3$ $A_e = 0.49 \text{ IN}^2$ 15 GA. (0.067) $S_{xx} = 2.57 \text{ IN}^3$ $A_e = 0.58 \text{ IN}^2$ 14 GA. (0.075) $S_{xx} = 3.19 \text{ IN}^3$ $A_e = 0.73 \text{ IN}^2$ 13 GA. (0.089) $S_{xx} = 3.70 \text{ IN}^3$ $A_e = 0.89 \text{ IN}^2$ 12 GA. (0.099) $S_{xx} = 4.32 \text{ IN}^3$ $A_e = 1.10 \text{ IN}^2$</p><p>Fy = 55 ksi</p></div>		<div>9 1/2"-ZEE" SECTION</div> <div><p>16 GA. (0.060) $S_{xx} = 2.16 \text{ IN}^3$ $A_e = 0.48 \text{ IN}^2$ 15 GA. (0.067) $S_{xx} = 2.57 \text{ IN}^3$ $A_e = 0.56 \text{ IN}^2$ 14 GA. (0.075) $S_{xx} = 3.17 \text{ IN}^3$ $A_e = 0.69 \text{ IN}^2$ 13 GA. (0.089) $S_{xx} = 3.71 \text{ IN}^3$ $A_e = 0.86 \text{ IN}^2$ 12 GA. (0.099) $S_{xx} = 4.29 \text{ IN}^3$ $A_e = 1.03 \text{ IN}^2$</p><p>Fy = 55 ksi</p></div>			
<div>12"-CEE" SECTION</div> <div><p>13 GA. (0.089) $S_{xx} = 5.80 \text{ IN}^3$ $A_e = 1.76 \text{ IN}^2$ 12 GA. (0.099) $S_{xx} = 6.64 \text{ IN}^3$ $A_e = 1.96 \text{ IN}^2$ 11 GA. $S_{xx} = 7.96 \text{ IN}^3$ $A_e = 2.37 \text{ IN}^2$</p><p>Fy = 55 ksi</p></div>		<div>12"-ZEE" SECTION</div> <div><p>13 GA. (0.089) $S_{xx} = 5.34 \text{ IN}^3$ $A_e = 1.76 \text{ IN}^2$ 12 GA. (0.099) $S_{xx} = 6.21 \text{ IN}^3$ $A_e = 1.96 \text{ IN}^2$ 11 GA. $S_{xx} = 7.81 \text{ IN}^3$ $A_e = 2.37 \text{ IN}^2$</p><p>Fy = 55 ksi</p></div>		<div>"ZEE" RAKEBEAM SECTION</div> <div><p>14 GA. (0.075) $S_{xx} = 3.956 \text{ IN}^3$ (TOP IN COMP.) $S_{xx} = 3.740 \text{ IN}^3$ (BOTTOM IN COMP.) $A_e = 0.668 \text{ IN}^2$ 12 GA. (0.099) $S_{xx} = 6.057 \text{ IN}^3$ (TOP IN COMP.) $S_{xx} = 5.219 \text{ IN}^3$ (BOTTOM IN COMP.) $A_e = 1.141 \text{ IN}^2$</p><p>Fy = 55 ksi</p></div>		<div>8"-GEE" SECTION</div> <div><p>16 GA. (0.060) $S_{xx} = 1.74 \text{ IN}^3$ (TOP IN COMP.) $S_{xx} = 2.51 \text{ IN}^3$ (BOTTOM IN COMP.) $A_e = 0.63 \text{ IN}^2$</p><p>Fy = 55 ksi</p></div>		<div>9 1/2"-GEE" SECTION</div> <div><p>14 GA. (0.075) $S_{xx} = 2.88 \text{ IN}^3$ (TOP IN COMP.) $S_{xx} = 4.66 \text{ IN}^3$ (BOTTOM IN COMP.) $A_e = 0.93 \text{ IN}^2$</p><p>Fy = 55 ksi</p></div>	



1	<u>RIDGE CAP</u>	2	RAKE TRIM	3	STRUCTURAL PROPERTIES	6	<u>DOWNSPOUT</u>	7	<u>CORNER TRIM</u>
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Fastener Spacing @ Ridge Purlin, End Laps, Eave Strut, & Base Angle

Fastener Spacing @ Intermediate Purlins & Girts

SS24 / MS24 PANEL PROPERTIES

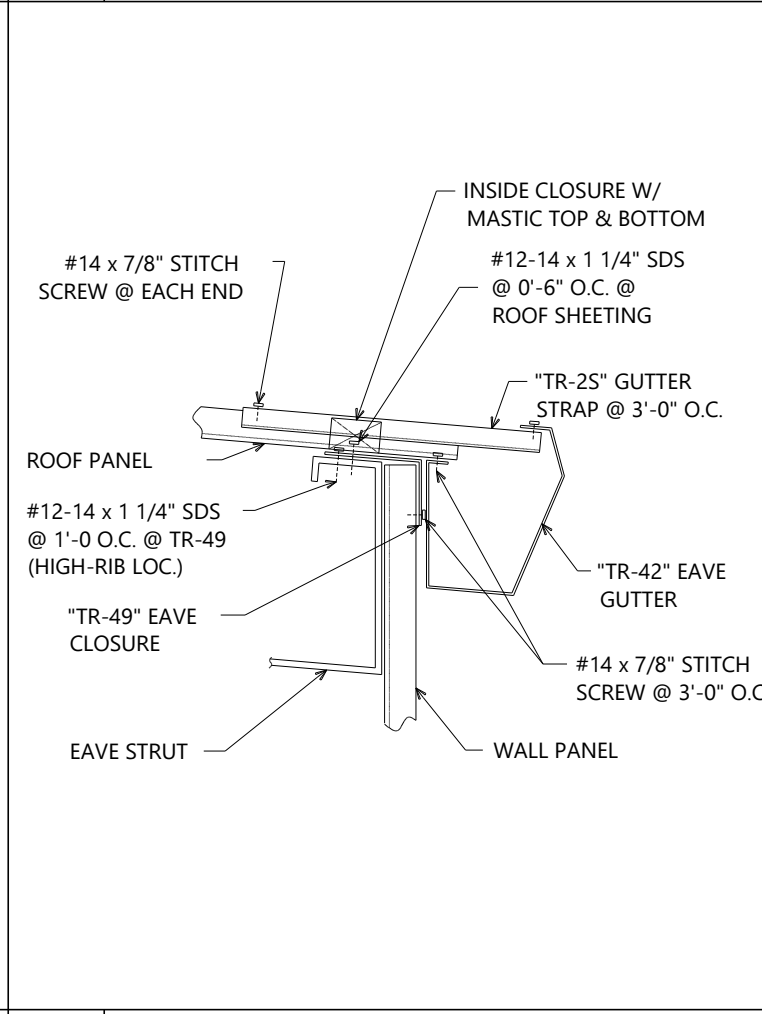
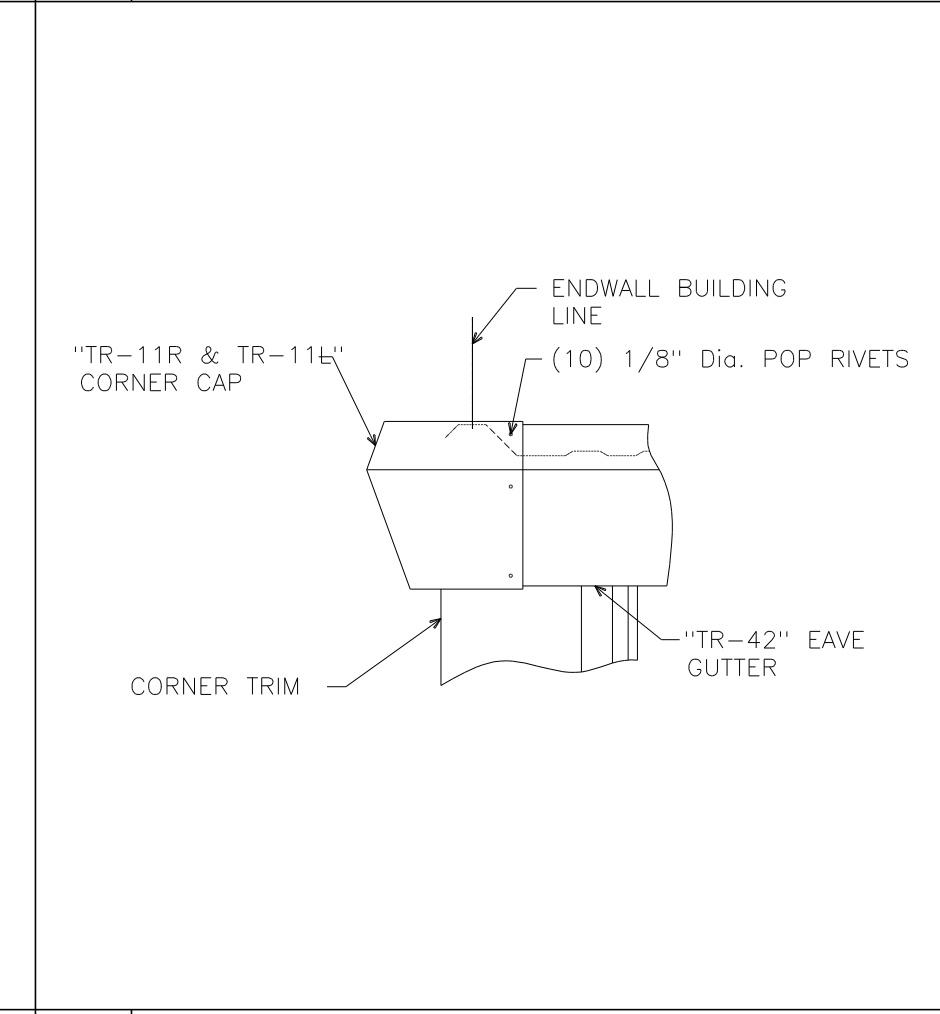
GAGE	Fy	Design Thickness	Weight (P.S.F.)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
				$\frac{I_x}{(in^2 / ft.)}$	$\frac{S_x}{(in^3 / ft.)}$	$\frac{I_x}{(in^2 / ft.)}$	$\frac{S_x}{(in^3 / ft.)}$
24	50 ksi	.0225	1.20	0.276	0.111	0.126	0.079
22	50 ksi	.030	1.58	0.371	0.152	0.177	0.108

ROOF PANELS

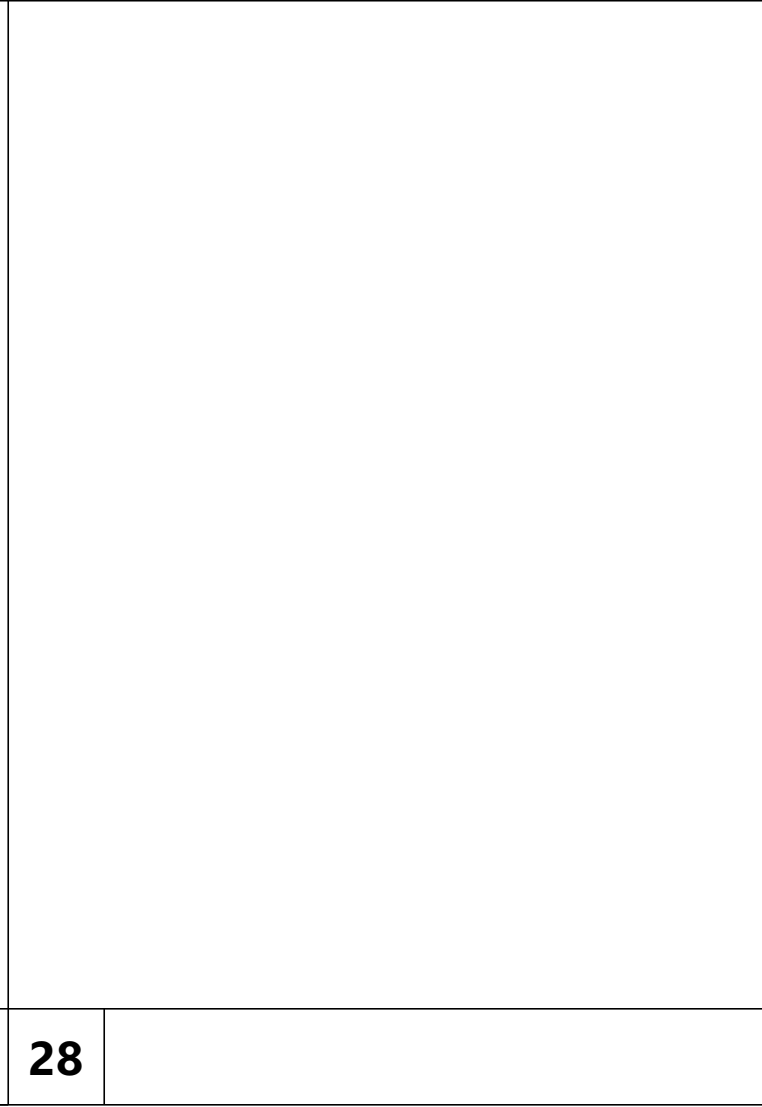
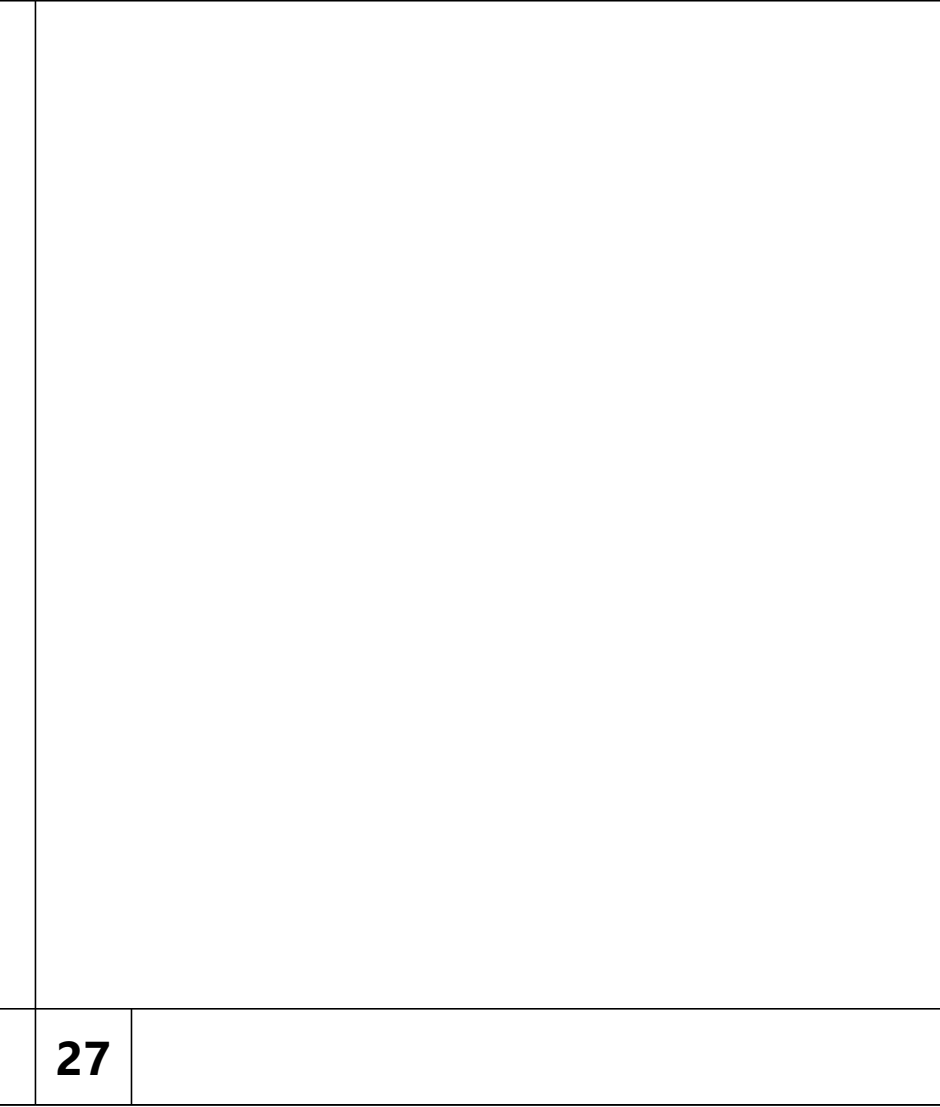
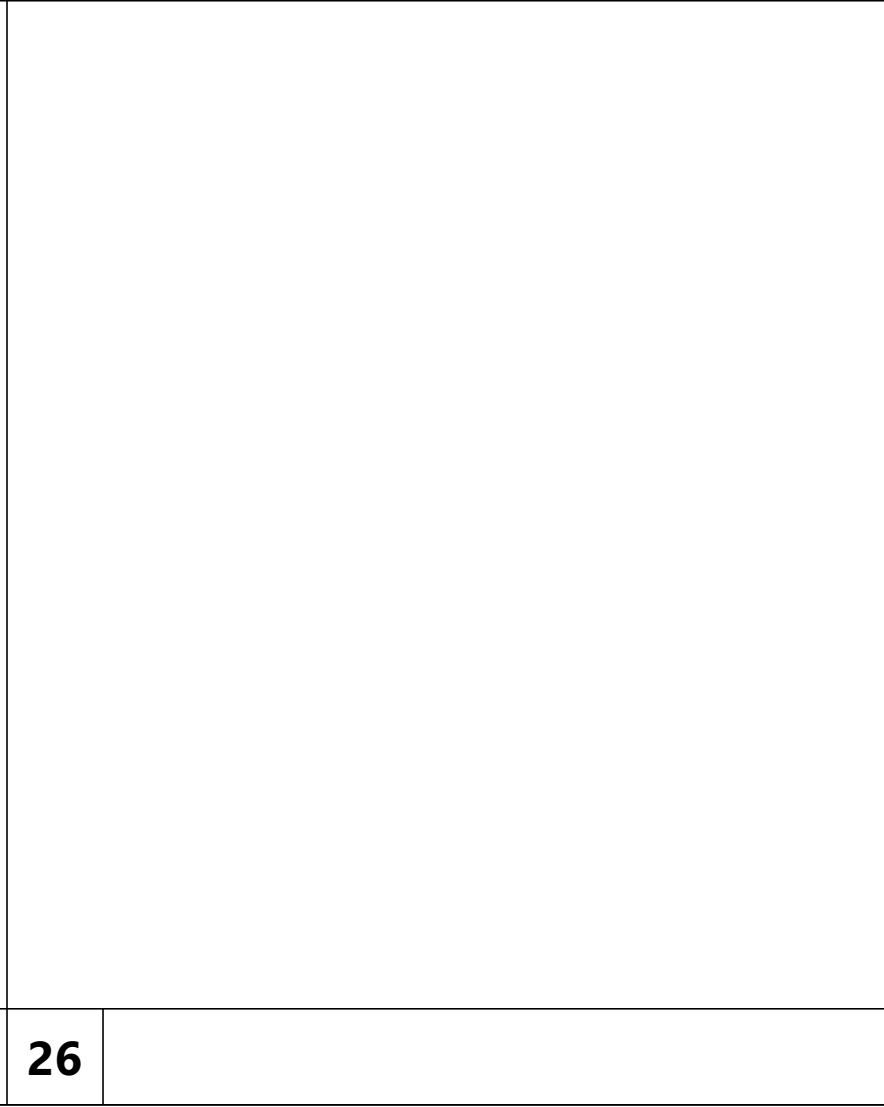
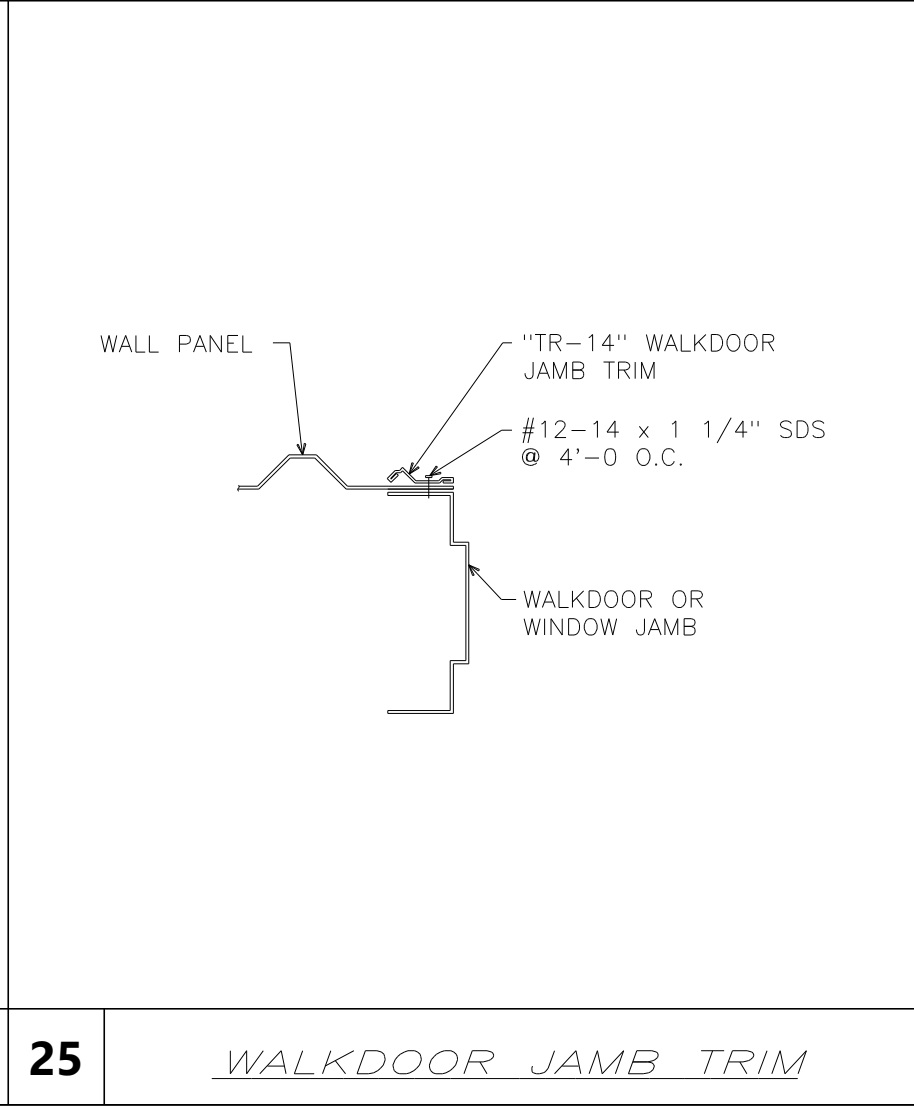
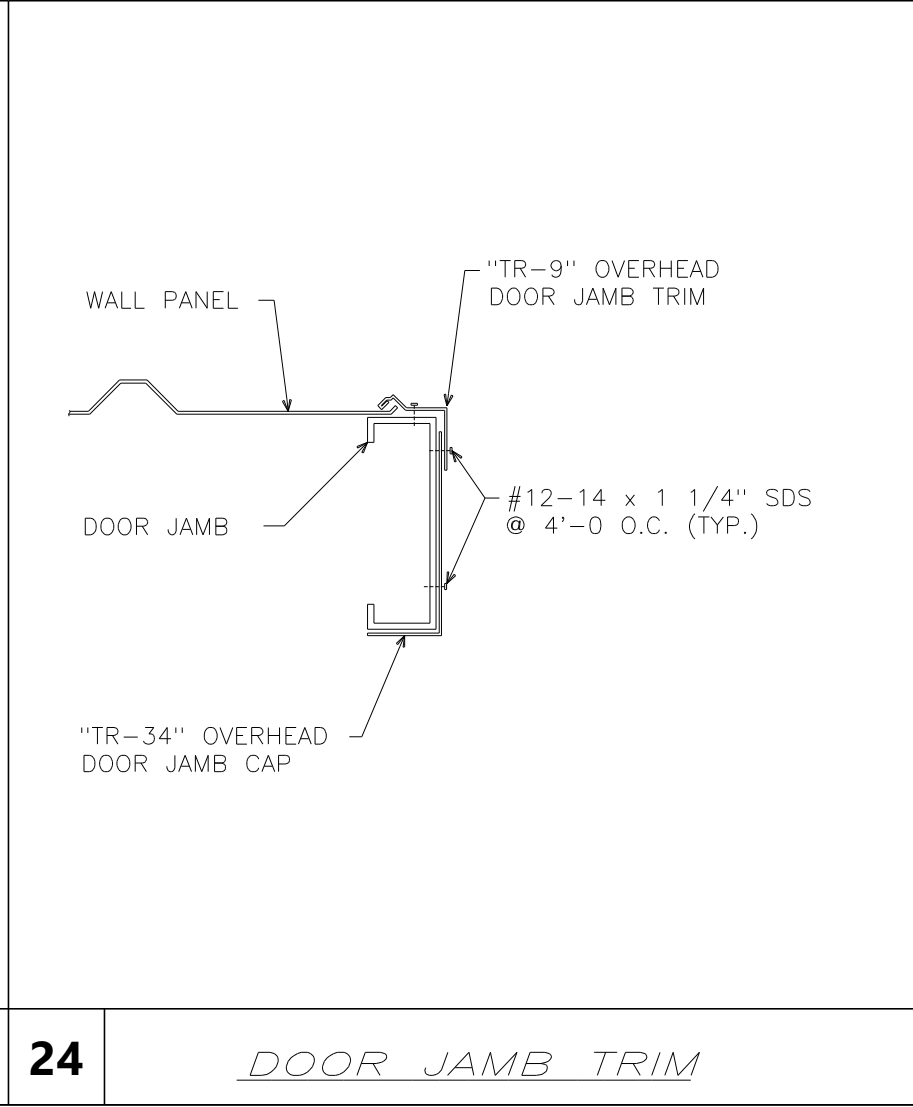
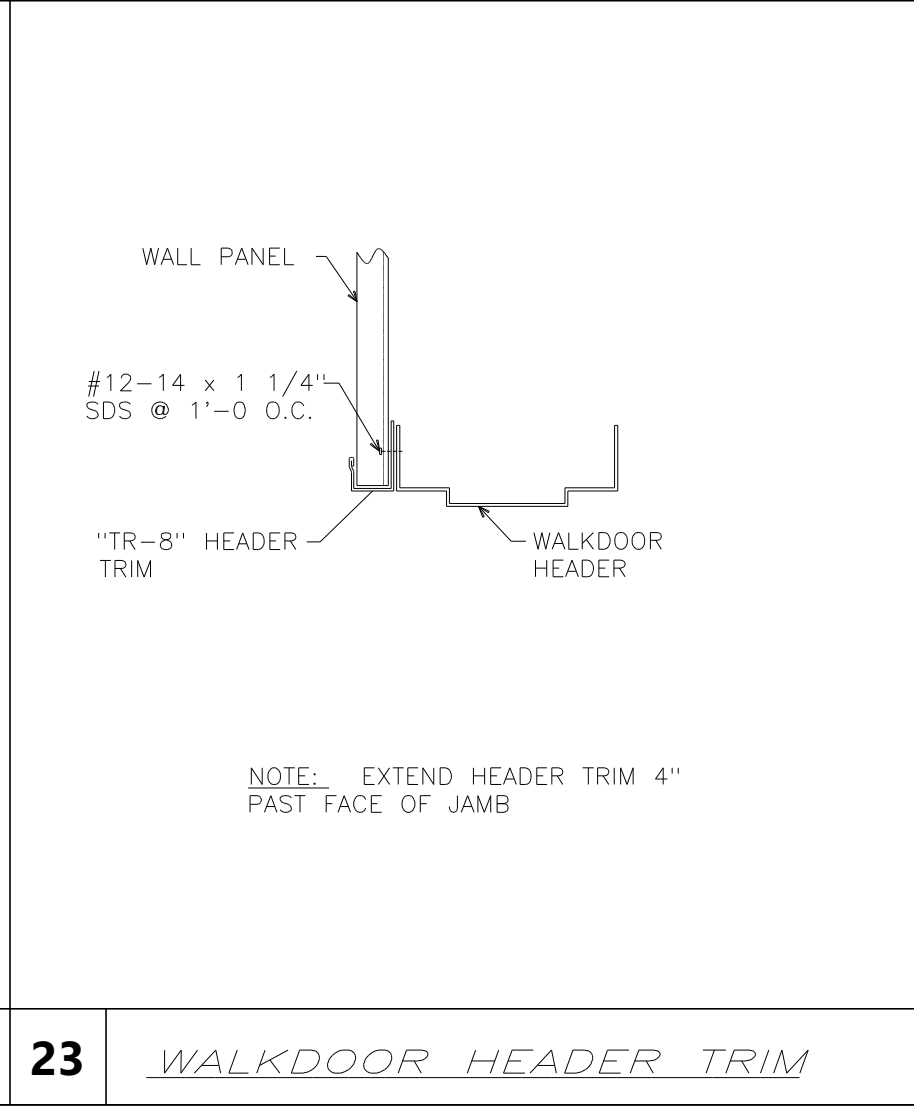
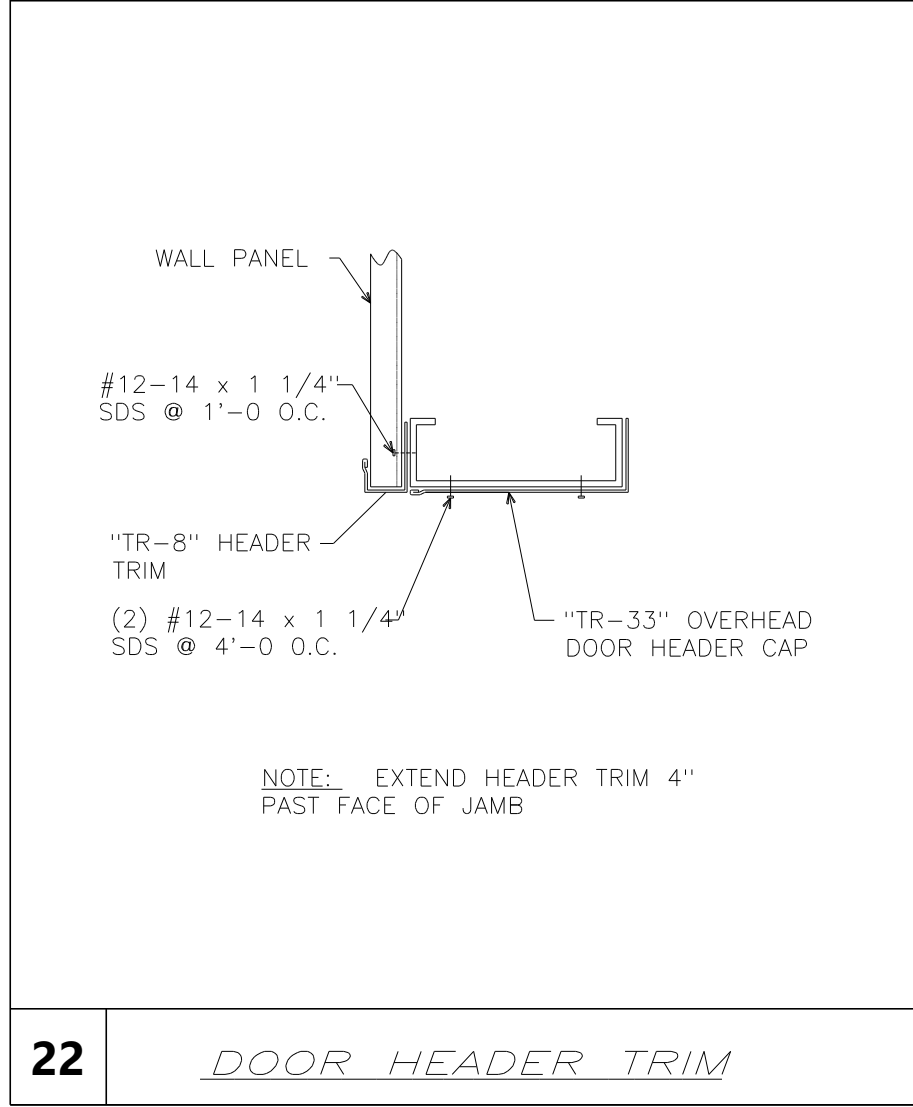
R PANEL PROPERTIES

GAGE	Fy	Design Thickness	Weight (P.S.F.)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
				I_x	S_x	I_x	S_x
26	80 ksi	.0177	0.97	0.0393	0.0398	0.032	0.0463
24	50 ksi	.0225	1.18	0.0567	0.0589	0.044	0.060

WALL PANELS



15	FASTENER PLACEMENT	18	<u>STD BASE ANGLE W/ TRIM</u>	19		20		21	
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[illegible]

