

ERECTION NOTES

- All bracing shown and provided by the Metal Building Provider (MBP) for this building is required and shall be installed by the erector as a permanent part of the structure ("Code of Standard Practice for Steel Buildings" in the ANSI/AISC 303-16; Section 7.10).
- Temporary supports, such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined and furnished by the erector ("Code of Standard Practice for Steel Buildings and Bridges " in the ANSI/AISC 303-16; Section 7.10.3).
- Normal erection operations include the correction of minor misfits by moderate amounts of reaming, grinding, welding or cutting, and the drawing of elements into line through use of drift pins. Errors which require major changes in the member configuration are to be reported immediately to the Metal Building Provider by the customer to enable whoever is responsible either to correct the error or to approve the most efficient and economic method of correction to be used by others ("Code of Standard Practice for Steel Buildings and Bridges "in the ANSI/AISC 303-16; Section 7.14).
- Erection tolerances are set forth in the "Code of Standard Practice for Steel Buildings and Bridges "in the ANSI/AISC 303-16; Section 7.13 note that individual members are considered plump, level and aligned if the deviation does not exceed 1:500. Variations in finished overall dimensions of structure steel framing are deemed within the limits of good practice when they do not exceed the cumulative effect of rolling, fabricating, and erection tolerances.
- When crane support systems are part of the metal building system erection tolerances Section 6.8, Erection Tolerances, 2018 MBMA Metal Building Systems manual shall apply. To achieve the required tolerances grouting of the columns and shimming of the runway beams may be required. The customer shall provide grout if required. The contractor erecting the runway beams is responsible for shimming, plumbing, and leveling of the runway system. When aligning the runway beams the alignment shall be with respect to the beam webs so that the center of the aligned rail is over the runway web.
- As a general rule field welding is not used to assemble a metal building system. In cases where the drawings indicate field welding and in cases where approved corrections are to be made by field welding the following requirements shall be met;
 - welders must be qualified by an independent testing agency, with suitable documentation to AWS D1.1 Structural Welding Code – Steel or AWS D1.3 Structural Welding Code – Sheet as applicable, for the processes, positions, and materials involved.
 - All welds must be made in conformance to a documented and approved Welding Procedure Specification (WPS). All joints which are not prequalified must be supported by a certified Procedure Qualification Record (PQR) by an independent testing agency.
- All documentation and records shall be the responsibility of the customer.
- Any claims or shortages by buyer must be made to the Metal Building Provider within seven (7) working days after delivery, or such claims will be considered to have been waived by the customer and disallowed. All claims should be directed to the Metal Building Provider's Customer Service Department.
- Claims for correction of alleged misfits will be disallowed unless the Metal Building Provider shall have received prior notice thereof and allowed reasonable inspection of such misfits. Ordinary inaccuracies of shop work shall not be construed as misfits. No part of the building may be returned or charges assessed for alleged misfits without prior approval from the Metal Building Provider.
- Neither the Metal Building Provider nor the customer will cut, drill or otherwise alter their work, or the work of other trades to accommodate other trades unless such work is clearly specified in the contract documents. Whenever such work is specified the customer is responsible for furnishing complete information as to materials, size, location, and number of alterations prior to preparation of shop drawings ("Code of Standard Practice for Steel Buildings and Bridges "in the ANSI/AISC 303-16, Section 7.15).
- The Metal Building Provider Field Modifications Policy:
 - The Metal Building Provider will only be responsible for the field-modified parts designed and approved by the Metal Building Provider's Customer Service Department.
 - Any field modifications designed by third parties may not be approved by the Metal Building Provider and may limit the Metal Building Provider's warranty and liability.
 - The Metal Building Provider makes no warranty and hereby disclaims any responsibility with respect to the design, engineering, or construction of any field-modified parts performed by third parties.
- WARNING – SOME PANELS AND TRIM PARTS ARE FURNISHED WITH A PROTECTIVE PEEL-OFF FILM. PARTS PROVIDED WITH THIS FILM CANNOT BE EXPOSED TO SUNLIGHT WITHOUT FIRST REMOVING THE FILM. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION. FILM MUST ALSO BE REMOVED FROM ALL NON EXPOSED PARTS WITHIN SIX MONTHS FROM FILM APPLICATION OR IRREPARABLE DAMAGE WILL OCCUR TO THE SURFACE CLAIMS WILL NOT BE ACCEPTED FOR THIS ISSUE.**

RESPONSIBILITIES

- The Metal Building Provider Customer, hereafter referred to as the "customer," obtains and pays for all building permits, licenses, public assessments, paving or utility pro rata, utility connections, occupancy fees and other fees required by any governmental authority or utility in connection with the work provided for in the Contract Documents. The customer provides at his expense all plans and specifications required to obtain a building permit. It is the customer's responsibility to ensure that all plans and specifications comply with the applicable requirements of any governing building authorities.
- The customer is responsible for identifying all applicable building codes, zoning codes, or other regulations applicable to the Construction Project, including the Metal Building system.
- It is the responsibility of the customer to interpret all aspects of the End User's specifications and incorporate the appropriate specifications, design criteria, and design loads into the Order Documents submitted to the Metal Building Provider.
- It is the responsibility of the Metal Building Provider to furnish the metal building system to meet the specifications including the design criteria and design loads incorporated by the Contractor into the Order Documents. The Metal Building Provider is not responsible for making an independent determination of any local codes or any other requirements not part of the Order Document.
- The Metal Building Provider's standard specifications apply unless stipulated otherwise in the Contract Documents. The Metal Building Provider design, fabrication, quality criteria, standards, practice, methods and tolerances shall govern the work any other interpretations to the contrary not with standing. It is understood by both parties that the customer is responsible for clarifications of inclusions or exclusions from the Architectural plans.
- In case of discrepancies between the Metal Building Provider's structural steel plans and plans for other trades, the Metal Building Provider's shall govern ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC 303-16; Section 3.3).
- The customer is responsible for overall project coordination. All interface, compatibility and design considerations concerning any materials not furnished by the Metal Building Provider and the Metal Building Provider's steel system are to be considered and coordinated by the customer. Specific design criteria concerning this interface between materials must be furnished by the customer before release for fabrication or the Metal Building Provider's assumptions will govern.
- Foundations, anchor rods, and anchor rod embedment are designed, furnished, and set by the customer in accordance with an approved drawing. Dimensional accuracy shall satisfy the requirements of Section 7.5 1 of "Code of Standard Practice for Steel Buildings and Bridges" in the AISC 303-16.
- All other embedded items or connection materials between the structural steel and the work of other trades are located and set by the customer in accordance with approved location on erection drawings. Accuracy of these items must satisfy the erection tolerance requirements.
- The Metal Building Provider does not investigate the influence of the metal building system on existing buildings or structures. The End Customer assures that such buildings and structures are adequate to resist snow drifts, wind loads, or other conditions as a result of the presence of the metal building system.

GENERAL SPECIFICATIONS

- Wall and liner panels are an integral part of the structural system. Unauthorized removal of panels or cutting panels for framed openings not shown is prohibited.
- Oil-canning, a perceived waviness inherent to light gauge metal, may exist. This condition does not affect the structural integrity or the finish of the panel, and therefore is not a cause for rejection.
- The Metal Building Provider's red-oxide and gray-oxide primer are designed for short term field protection from exposure to ordinary atmospheric conditions. Primed steel which is stored in the field pending erection should be kept free of the ground, and so positioned as to minimize water-holding pockets, dust, mud, and other contamination of the primer film. Repairs of damage to primed surfaces and/or removal of foreign material due to transportation (e.g. road salt, de-icing chemicals and other substances encountered during transportation that may accelerate deterioration of the primer or corrosion of the underlying steel), improper field storage, or site conditions are not the responsibility of the Metal Building Provider. (MBMA, 2018 MBSM, Section 4.2.4)
- All bolts are 1/2" x 1-1/4" A307 unless noted. Refer to the erection drawings for specific framing connections and the cross-section(s) for main frame connections.
- Unless noted otherwise on the frame cross section(s), all bolted joints with ASTM F3125 Grade A325 bolts are specified as snug-tightened joints in accordance with the specification for Structural Joints Using High-Strength Bolts, June 11, 2020. Installation Inspection requirements for Snug-Tight Bolts (Specification for Structural joints, Section 9.1) is suggested.
- Unless noted otherwise, all bolted connections are designed as bearing type connections with bolt threads not excluded from the shear plane.
- Any type of suspended or load inducing system(s) is prohibited if zero collateral and zero sprinkler loads are designated on the contract. This would include lights, duct work, piping, and insulation types other than 3" standard duty fiberglass blanket insulation, etc.

BUILDING DESIGN CODES

Building Code: North Carolina Building Code 2018 (IBC 15)
 Hot-rolled version: AISC 360-10
 Cold-formed version: AISI S100-12

GENERAL LOADS

Dead Load: 2.00 psf
 Roof Collateral Load: 1.00 psf (Misc.)
 Sprinkler Load: 0.00 psf
 Roof Live Load: 20.00 psf
 Tributary Live Load Reduction: YES
 Rainfall Intensity: 6.54 in/hr (5-minute duration 5-year recurrence)

WIND LOAD

Wind Load (3-sec gust) Vult: 117 mph
 Vasd: 91 mph
 V service: 86 mph
 Exposure Factor: B
 Wind Condition: Enclosed
 Internal Pressure Coefficient: +/- 0.18
 Edge Zone Width: 5.60 Ft

SNOW LOAD

Ground Snow Load: 15.00 psf
 Roof Snow Load: 12.60 psf
 Importance Factor: 1.00
 Exposure Factor: 1.00
 Thermal Factor: 1.20
 Slope Factor: 1.00

DEFLECTION CRITERIA

Main Frames Horizontal: H/60 Roof Panels: L/60
 Main Frames Vertical: L/180 Purlins: L/180
 Bearing Frame Rafter: L/180 Wall Panels: L/60
 Endwall Columns: L/180 Girts: L/90
 Wind Frame Horizontal: H/60

For components, claddings and MWFRS, deflections involving wind are based on 10 year serviceability wind pressures.

SEISMIC LOAD

Risk Category: II - Normal
 Seismic Importance Factor: 1.0000
 Structural Response Acceleration (Ss): 0.1750
 Structural Response Acceleration(S1): 0.0840
 Site Class: D
 Design Spectral Response (Sds): 0.1867
 Design Spectral Response (Sd1): 0.1344
 Seismic Design Category: C

Framing Direction: Lateral Longitudinal
 Structural Syst: 'Structural Steel Systems Not Specifically Detailed for Seismic Resistance
 Response Modification Factor: 3.0 3.0
 Deflection Amplification: 3.0 3.0
 Sesimic Response Coefficient (Cs): 0.0623 0.0623
 Design Base Shear V: 6.86 kips 6.89 kips
 Analysis Procedure: Equivalent Lateral Force

ROOF PANEL

Profile: Super Span X Gauge: 26 Color: SMP Ash Gray
 UL580 Class 90: Yes
 Clip Type if Standing Seam: NO

WALL PANEL

Profile: Super Span X Gauge: 26 Color: SMP Hawaiian Blue

WAINSCOT PANEL

Profile: Super Span X Gauge: 26 Color: SMP Steel Gray

PRIMARY FRAMING

Built-Up & Hot-Rolled: Gray Oxide Primer

SECONDARY FRAMING

Purlins, Eave Struts: Pre-Galvanized
 Girts, Light Gage Columns: Pre-Galvanized
 Light Gage Jamb's & Headers: Pre-Galvanized
 Base Angle Finish: Pre-Galvanized

Hot-Dip Galvanizing conforms to the ASTM A123 specification.
 Pre-Galvanized members conform to the ASTM A653, Grade 50,
 Coating G-90 specification.

The rigid frame at line 1&11 are designed as a non-expandable rigid frame.
 Corresponding frame reactions are calculated based upon actual tributary area.

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ISSUE	DATE	DESCRIPTION	BY	CHK
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC

APPROVAL SPECIFICATIONS

- Approval of the Metal Building Provider drawings and/or calculations indicate that the Metal Building Provider has correctly interpreted the contact requirements. This approval constitutes the customer acceptance of the Metal Building Provider design, concepts, assumptions, and loadings.
- Failure to respond to clouded areas and areas to verify may result in additional costs and/or schedule delays for which the Metal Building Provider will not be responsible.
- Any changes made after the Metal Building Provider's customer has signed and returned the Metal Building Provider drawings and/or calculations and the project is released for fabrication shall be billed to the Metal Building Provider customer including material, engineering, and other costs. An additional fee may be charged if the project must be moved in the fabrication and/or the shipping schedule.
- It is the responsibility of the customer to field verify all existing conditions prior to fabrication.
- It is imperative that any changes to these drawings:
 - Be made in contrasting ink.
 - Be legible and unambiguous.
 - Have all instances of changes clearly indicated.
- A dated signature, in the designated areas, is required on all pages. The signature must be from the person authorized on the contract or a person authorized, in writing, by the Metal Building Provider customer.
- The Metal Building Provider reserves the right to resubmit drawings with extensive or complex changes required to avoid misfabrication. This may impact the delivery schedule.
- Any changes noted on the drawings not in conformance with the terms and requirements of the contract between the Metal Building Provider and its customer are not binding on the Metal Building Provider unless subsequently acknowledged and agreed to in writing by change order or separate documentation.
- Waiving the approval process by designating the order "For Production" supercedes notes 1,2,5,6, and 8 in this section, and constitutes the customer acceptance of the Metal Building Provider's design, concepts, assumptions, and loadings.

DRAWING SCHEDULE

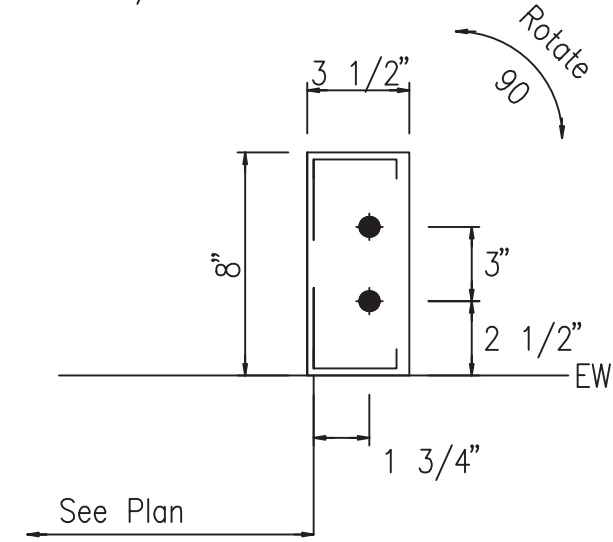
DWG NO.	ISSUE	DATE	DESCRIPTION
C1	P1	01.30.24	COVER SHEET
F1	0	01.30.24	ANCHOR BOLT PLAN & DETAILS
F2	0	01.30.24	ANCHOR BOLT REACTIONS
F3	0	01.30.24	ANCHOR BOLT REACTIONS
P1	P1	01.30.24	RIGID FRAME ELEVATION
P2	P1	01.30.24	RIGID FRAME ELEVATION
P3	P1	01.30.24	RIGID FRAME ELEVATION
W1	P1	01.30.24	PORTAL FRAME ELEVATION
W2	P1	01.30.24	PORTAL FRAME ELEVATION
E1	P1	01.30.24	ROOF FRAMING PLAN
E2	P1	01.30.24	ROOF SHEETING PLAN
E3	P1	01.30.24	ENDWALL FRAME & SHEETING ELEVATION
E4	P1	01.30.24	ENDWALL FRAME & SHEETING ELEVATION
E5	P1	01.30.24	SIDEWALL FRAME & SHEETING ELEVATION
E6	P1	01.30.24	SIDEWALL FRAME & SHEETING ELEVATION
E7	P1	01.30.24	BUILDING SECTIONS
D1	P1	01.30.24	STANDARD DETAILS PAGE
D2	P1	01.30.24	STANDARD DETAILS PAGE
D3	P1	01.30.24	STANDARD DETAILS PAGE

TRIM COLOR:
 FL GUTTER: SMP Steel Gray GAUGE: 26
 FL RAKE: SMP Steel Gray GAUGE: 26
 CORNER: SMP Steel Gray GAUGE: 26
 ACCESSORY: SMP Steel Gray GAUGE: 26
 DOWNSPOUTS: SMP Steel Gray GAUGE: 26
 BASE: SMP Steel Gray GAUGE: 26
 WAINSCOT: SMP Steel Gray GAUGE: 26



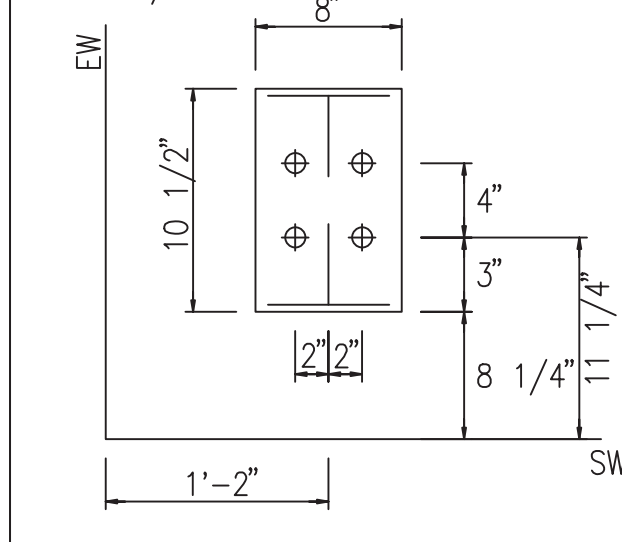
The Engineer whose seal and signature appear on these documents represents Whirlwind Steel Buildings, Inc., and is not the Engineer of Record for the overall project. The Engineer's responsibility is limited to material designed and manufactured by Whirlwind Steel Buildings, Inc., and excludes part such as doors, windows, foundation design, and erection of the building.

Dia= 5/8"



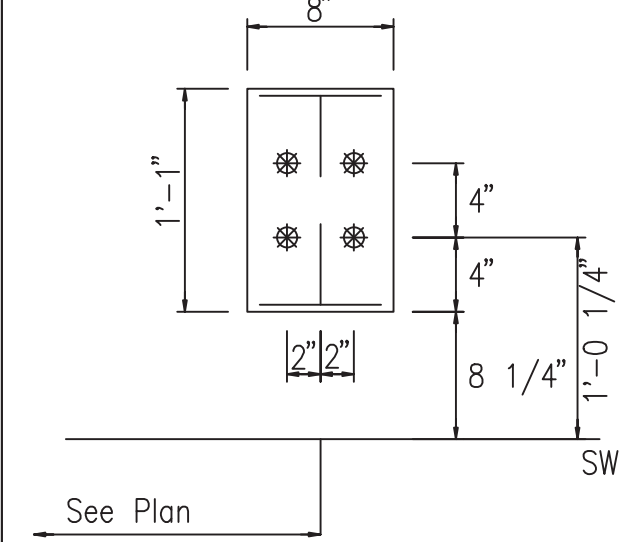
DETAIL A

Dia= 3/4"



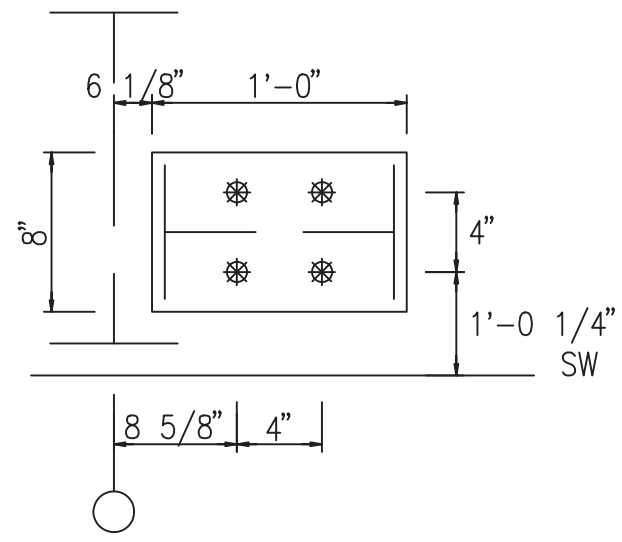
DETAIL B

Dia= 1"



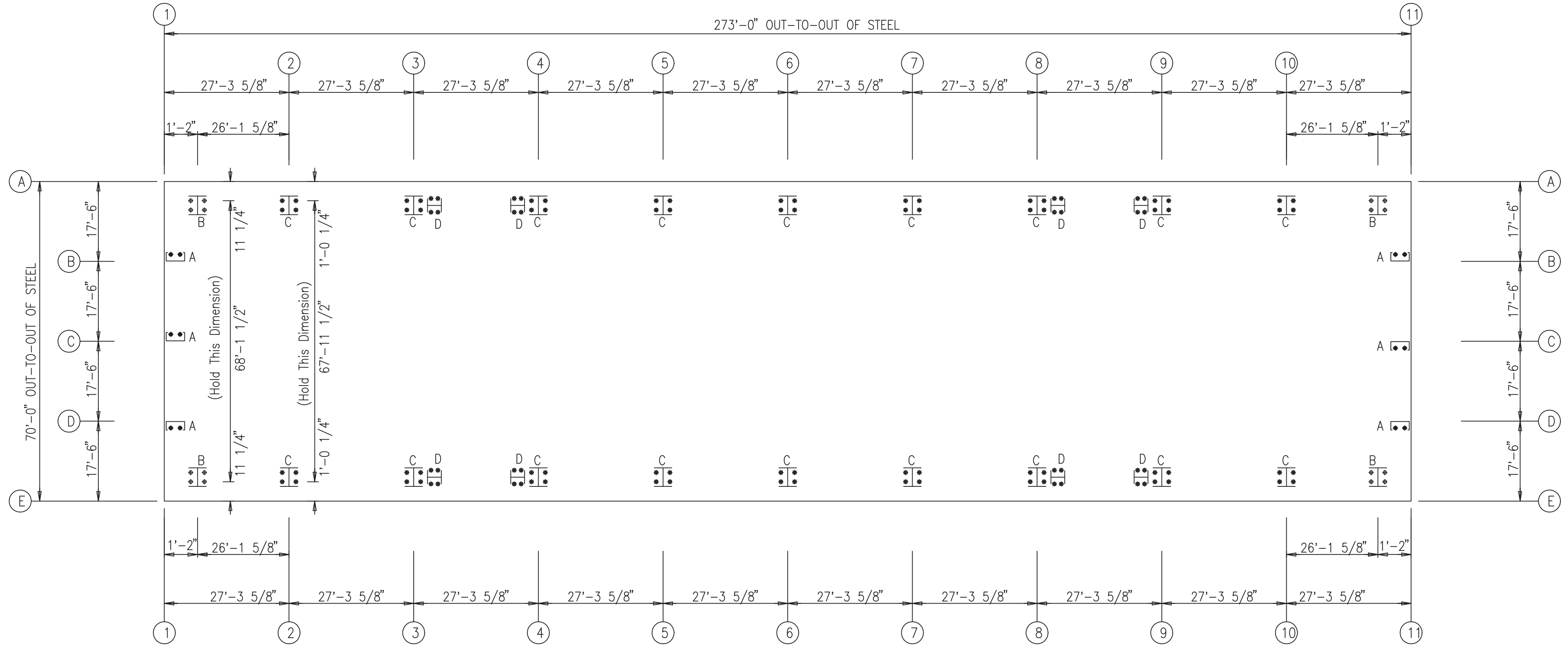
DETAIL C

Dia= 1"



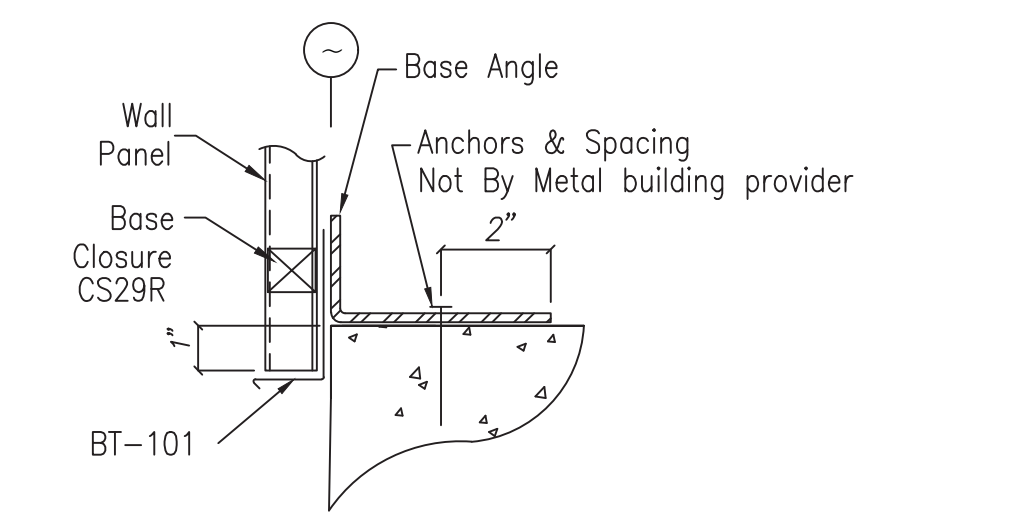
DETAIL D

- Dia= 5/8"
- ⊕ Dia= 3/4"
- ⊗ Dia= 1"



ANCHOR BOLT PLAN

NOTE: All Base Plates @ Finished Floor (U.N.)



BASE TRIM W/ BASE ANGLE CONDITION NO RECESS. NTS

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FOR ERECTOR INSTALLATION: Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
0	01.30.24	FOR ERECTOR INSTALLATION	PND	PNC	ANCHOR BOLT PLAN & DETAILS	70'-0" x 273'-0" x 14'-0"
					CUSTOMER: BAUCOM BUSINESS PLAZA	CUSTOMER LOCATION: FUQUAY VARINA, NC 27526
					PROJECT REFERENCE: BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION: FUQUAY VARINA, NC 27526	JOB SITE COUNTY: WAKE
					DWN: PND	CHK: PNC
					DATE: 01.30.24	ENG: NPK
					JOB NO: 12252-33816	DWG NO: F1
					ISSUE: 0	



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ENDWALL COLUMN:				BASIC COLUMN REACTIONS (k)			
Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz	Seis Long Vert		
1	B	0.1	-2.6	2.8	0.0		
1	C	0.1	-3.0	3.3	0.0		
1	D	0.1	-2.6	2.8	0.0		
11	D	0.1	-2.6	2.8	0.0		
11	C	0.1	-3.0	3.3	0.0		
11	B	0.1	-2.6	2.8	0.0		

ENDWALL COLUMN:				MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES									
Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Elev. (in)
1	B	4	1.7	0.1	5	-1.5	0.1	2	0.625	3.500	8.000	0.250	0.0
1	C	4	2.0	0.1	5	-1.8	0.1	2	0.625	3.500	8.000	0.250	0.0
1	D	4	1.7	0.1	5	-1.5	0.1	2	0.625	3.500	8.000	0.250	0.0
11	D	4	1.7	0.1	5	-1.5	0.1	2	0.625	3.500	8.000	0.250	0.0
11	C	4	2.0	0.1	5	-1.8	0.1	2	0.625	3.500	8.000	0.250	0.0
11	B	4	1.7	0.1	5	-1.5	0.1	2	0.625	3.500	8.000	0.250	0.0

RIGID FRAME:				MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES									
Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Elev. (in)
1*	A	3	7.1	9.8	2	-3.5	-4.0	4	0.750	8.000	10.50	0.375	0.0
1*	E	1	3.5	-4.0	3	-7.1	9.8	4	0.750	8.000	10.50	0.375	0.0
1*	E	3	-7.1	9.8	2	3.3	-5.2						
1*	Frame lines:	1	11										

RIGID FRAME:				MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES									
Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Elev. (in)
2*	A	3	14.1	18.2	2	-5.6	-6.1	4	1.000	8.000	13.00	0.500	0.0
2*	E	1	5.6	-6.1	3	-14.1	18.2	4	1.000	8.000	13.00	0.500	0.0
2*	E	3	-14.1	18.2	2	5.2	-7.7						
2*	Frame lines:	2	5	6	7	10							

RIGID FRAME:				MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES									
Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Elev. (in)
3*	A	3	14.1	18.2	2	-5.6	-6.1	4	1.000	8.000	13.00	0.500	0.0
3*	E	1	5.6	-6.1	3	-14.1	18.2	4	1.000	8.000	13.00	0.500	0.0
3*	E	3	-14.1	18.2	2	5.2	-7.7						
3*	Frame lines:	3	4	8	9								

RIGID FRAME:				BASIC COLUMN REACTIONS (k)									
Frame Line	Column Line	Dead Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert		
1*	A	1.2	1.8	0.4	0.5	4.5	6.0	4.7	6.3	-6.7	-10.4	-7.1	-8.4
1*	E	-1.2	1.8	-0.4	0.5	-4.5	6.0	-4.7	6.3	7.1	-8.4	6.7	-10.4

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Right2 Horiz	Wind_Long1 Horiz	Wind_Long2 Horiz	Seismic_Left Horiz	Seismic_Right Horiz
1*	A	-4.0	-6.7	-4.4	-4.7	-6.2	-10.3
1*	E	4.4	-4.7	4.0	-6.7	7.0	-8.1

Frame Line	Column Line	MIN_SNOW Horiz	F1UNB_SL_L Horiz	F1UNB_SL_R Horiz	
1*	A	5.6	7.5	4.0	6.2
1*	E	-5.6	7.5	-4.0	6.2

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Right2 Horiz	Wind_Long1 Horiz	Wind_Long2 Horiz	Seismic_Left Horiz	Seismic_Right Horiz
2*	A	-5.3	-8.5	-5.9	-5.9	-10.3	-15.5
2*	E	5.9	-5.9	5.3	-8.5	11.3	-12.8

Frame Line	Column Line	MIN_SNOW Horiz	F3UNB_SL_L Horiz	F3UNB_SL_R Horiz	
3*	A	11.3	14.3	8.1	11.8
3*	E	-11.3	14.3	-8.1	11.8



- ### NOTES FOR REACTIONS
- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
 - Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
 - Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
 - Loading conditions are:
 - 0.6Dead+0.6Wind_Left1
 - 0.6Dead+0.6Wind_Right1
 - Dead+Collateral+MIN_SNOW
 - 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
 - 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
 - Dead+0.6Wind_Right2+0.6Wind_Suction

BUILDING BRACING REACTIONS				± Reactions(k)		Panel_Shear (lb/ft)		Note
Wall Loc	Col Line	Wind Horiz	Seismic Horiz	Wind Vert	Seismic Vert	Wind	Seis	
L_EW	1							(h)
F_SW	E	3,4						(a)
R_EW	11							(h)
B_SW	A	8,9						(a)
		3,4						(a)

(a)Wind bent in bay
(h)Rigid frame at endwall

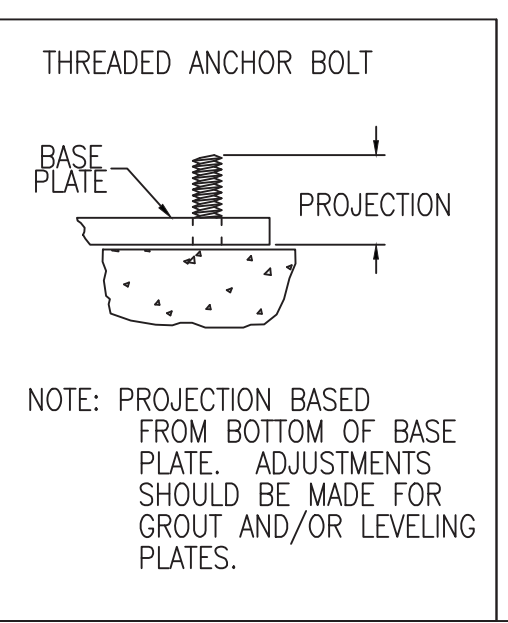
Reactions for seismic represent shear force, Eh

ANCHOR BOLT SUMMARY (GRADE 36)

Qty	Locate	Dia (in)	Type	Proj (in)
12	Endwall	5/8"	F1554	2.50
16	Frame	3/4"	F1554	3.00
72	Frame	1"	F1554	3.50
32	Portal Frame	1"	F1554	3.50

Frame Line	Col Line	Wind Press Horz	Wind Suct Horz
1	A	-1.08 K	1.28 K
1	E	-1.08 K	1.28 K
11	A	-1.08 K	1.28 K
11	E	-1.08 K	1.28 K

- ### GENERAL NOTES
- All anchor bolts (by others) to have nuts and flat washers.
 - All anchor bolts are designed to full S.A.E. diameters with cut threads. No substitutions are allowed.
 - The Metal Building Provider is not responsible for the design, materials and workmanship of the foundation. Anchor bolt plans prepared by the Metal Building Provider are intended to show only location, diameter, and projection of anchor bolts required to attach the Metal Building System to the foundation. The Metal Building Provider is responsible for providing to the Builder the loads imposed by the Metal Building System on the foundation. It is the responsibility of the End Customer to ensure that adequate provisions are made for specifying bolt embedment, bearing angles, tie rods, and/or other associated items embedded in the concrete foundation, as well as foundation design for the loads imposed by the Metal Building System, other imposed loads, and the bearing capacity of the soil and other conditions of the building site. This is typically the responsibility of the Design Professional or Engineer of Record, which is another reason that their involvement in the Construction Project from the outset is highly recommended. (2012 MBMA Metal Building Systems Manual, Section 3.2.2)
 - The projection is based from the bottom of the base plate. Adjustments must be made for grout and/or leveling plates.



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FOR ERECTOR INSTALLATION: Final drawings for construction.

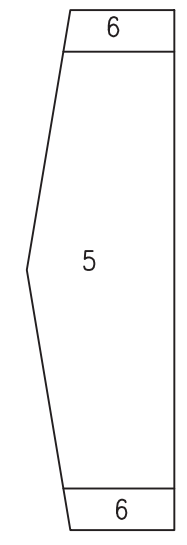
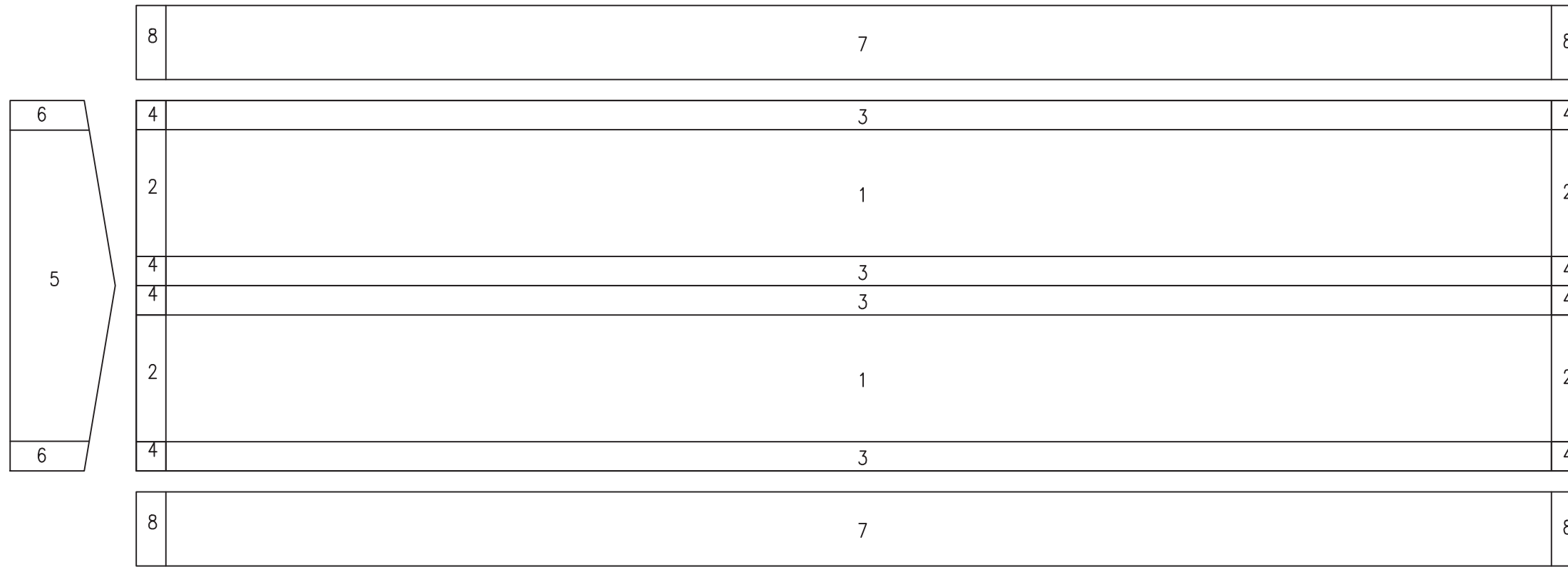


ISSUE	DATE	DESCRIPTION	BY	CHK
0	01.30.24	FOR ERECTOR INSTALLATION	PND	PNC

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Zone	Width (ft)	Length (ft)	Components & Cladding			
			Pressure(psf) Member	Panel	Suction(psf) Member	Panel
1			16.00	16.00	-20.43	-22.52
2			16.00	16.00	-28.81	-38.96
3	5.60	5.60	16.00	16.00	-28.81	-38.96
4	5.60	5.60	16.00	16.00	-45.35	-57.88
5			18.22	22.52	-20.10	-24.40
6	5.60		18.22	22.52	-21.51	-30.01
7			18.20	22.50	-20.10	-24.40
8	5.60		18.20	22.50	-21.51	-30.01

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

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FOR ERECTOR INSTALLATION:
 Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
0	01.30.24	FOR ERECTOR INSTALLATION	PND	PNC	ANCHOR BOLT REACTIONS	70'-0" x 273'-0" x 14'-0"
					CUSTOMER: BAUCOM BUSINESS PLAZA	CUSTOMER LOCATION: FUQUAY VARINA, NC 27526
					PROJECT REFERENCE: BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION: FUQUAY VARINA, NC 27526	JOB SITE COUNTY: WAKE
					DWN: PND	CHK: PNC
					DATE: 01.30.24	ENG: NPK
					JOB NO: 12252-33816	DWG NO: F3
					ISSUE: 0	



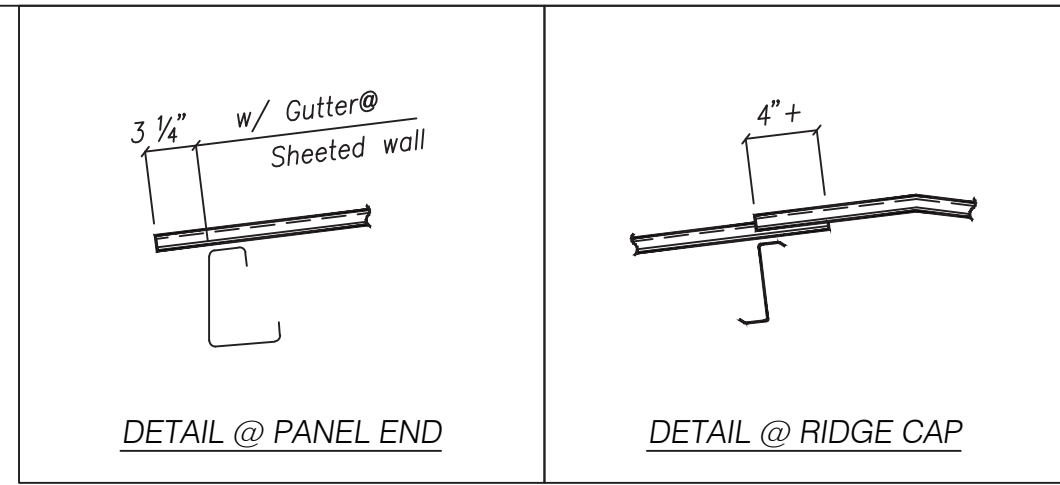
02/05/2024

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SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	3/4"	2"	6"	1/2"	2'-5 1/4"
SP-2	4	4	0	A325	3/4"	1 3/4"	6"	3/8"	1'-11"

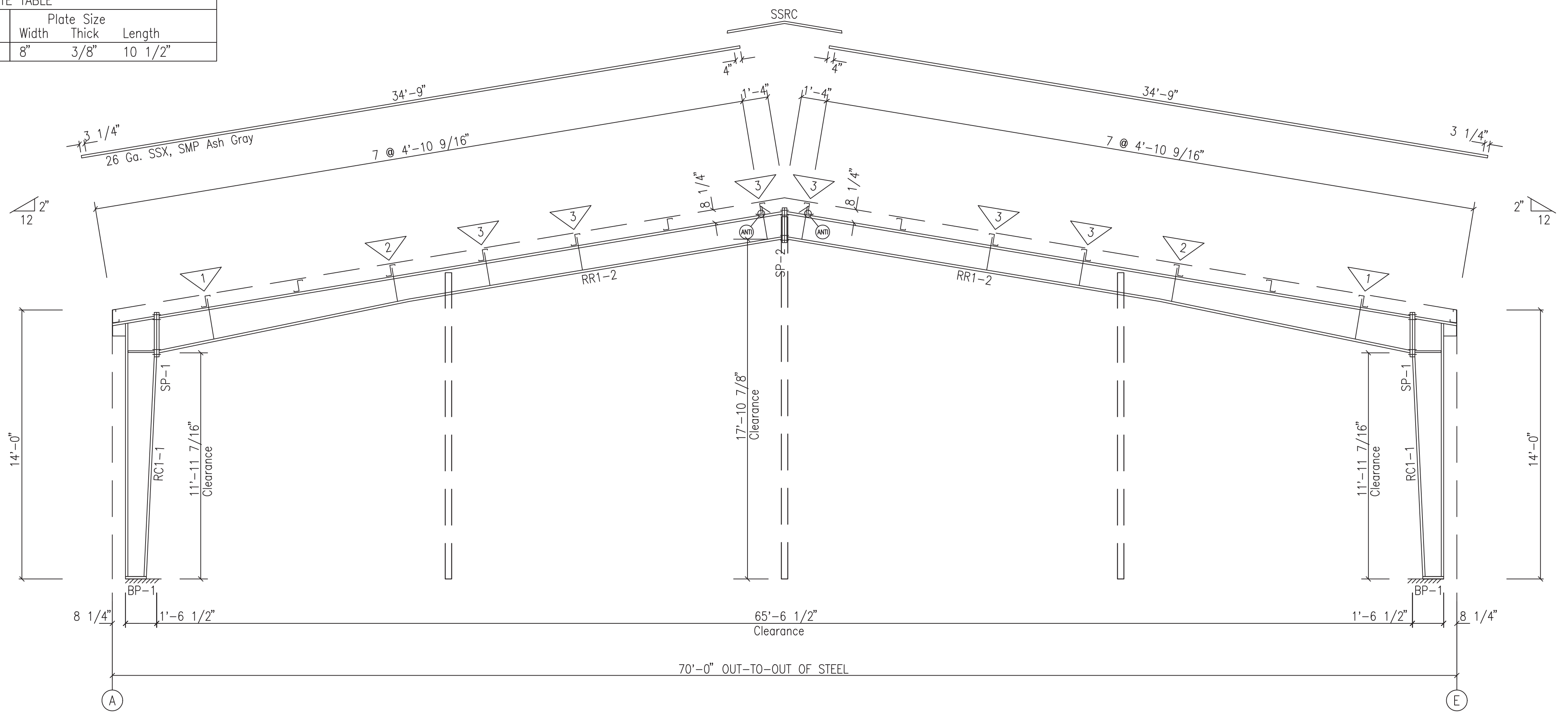
FLANGE BRACE TABLE						
A=L2x2x14GA B=L2x2x12GA C=L2x2x1/8 D=L3x3x3/16						
FRAME LINE: 1 11						
∇ ID	#	MARK	LENGTH	OFFSET	DETAIL	CLIP
1	1	FB6A	2'-10"	2'-4"		
2	1	FB4A	2'-7 5/8"	2'-4"		
3	1	FB3A	2'-7 1/2"	2'-4"		

BASE PLATE TABLE			
Col Mark	Plate Size		
	Width	Thick	Length
BP-1	8"	3/8"	10 1/2"



MEMBER TABLE					
Mark	Web		Web Plate	Outside Flange	Inside Flange
	Start/End	Thick	Thick	W x Thk	W x Thk
RC1-1	10.0/18.0	0.164	0.164	6 x 1/4"	6 x 1/4"
RR1-2	20.0/14.0	0.164	0.164	6 x 1/4"	6 x 1/4"
	14.0/14.0	0.135	0.135	5 x 1/4"	5 x 1/4"

The rigid frame at line 1&11 are designed as a non-expandable rigid frame. Corresponding frame reactions are calculated based upon actual tributary area



RIGID FRAME ELEVATION: FRAME LINE 1 11

BOLT TIGHTENING (Snug-Tight)

All bolted joints with ASTM F3125 Grade A325 bolts are specified as Snug-Tightened Joints in accordance with the Specification of Structural Joints Using High-Strength Bolts, June 11, 2020, installation as given in Section 7.1 Washers are not required for Snug-Tightened Joints using standard standard size holes per Section 6.1 of the Specification

Pretensioning methods, including Turn-of-Nut, calibrated wrench, twist-off tension control bolts or direct tension indicator are not required. Installation inspection requirements for Snug-Tight Bolt is found in Section 9.1 of the Specification.

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 FOR ERECTOR INSTALLATION: Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	PNC	RIGID FRAME ELEVATION	70'-0" x 273'-0" x 14'-0"
						CUSTOMER:	CUSTOMER LOCATION:
						BAUCOM BUSINESS PLAZA	FUQUAY VARINA, NC 27526
						PROJECT REFERENCE:	
						BAUCOM BUSINESS PLAZA	
						JOB SITE LOCATION:	JOB SITE COUNTY:
						FUQUAY VARINA, NC 27526	WAKE
DWN:	CHK:	DATE:	ENG:	JOB NO:	WAKE	DWG NO:	ISSUE:
PND	PNC	01.30.24	NPK	12252-33816	P1	P1	P1

02/05/2024

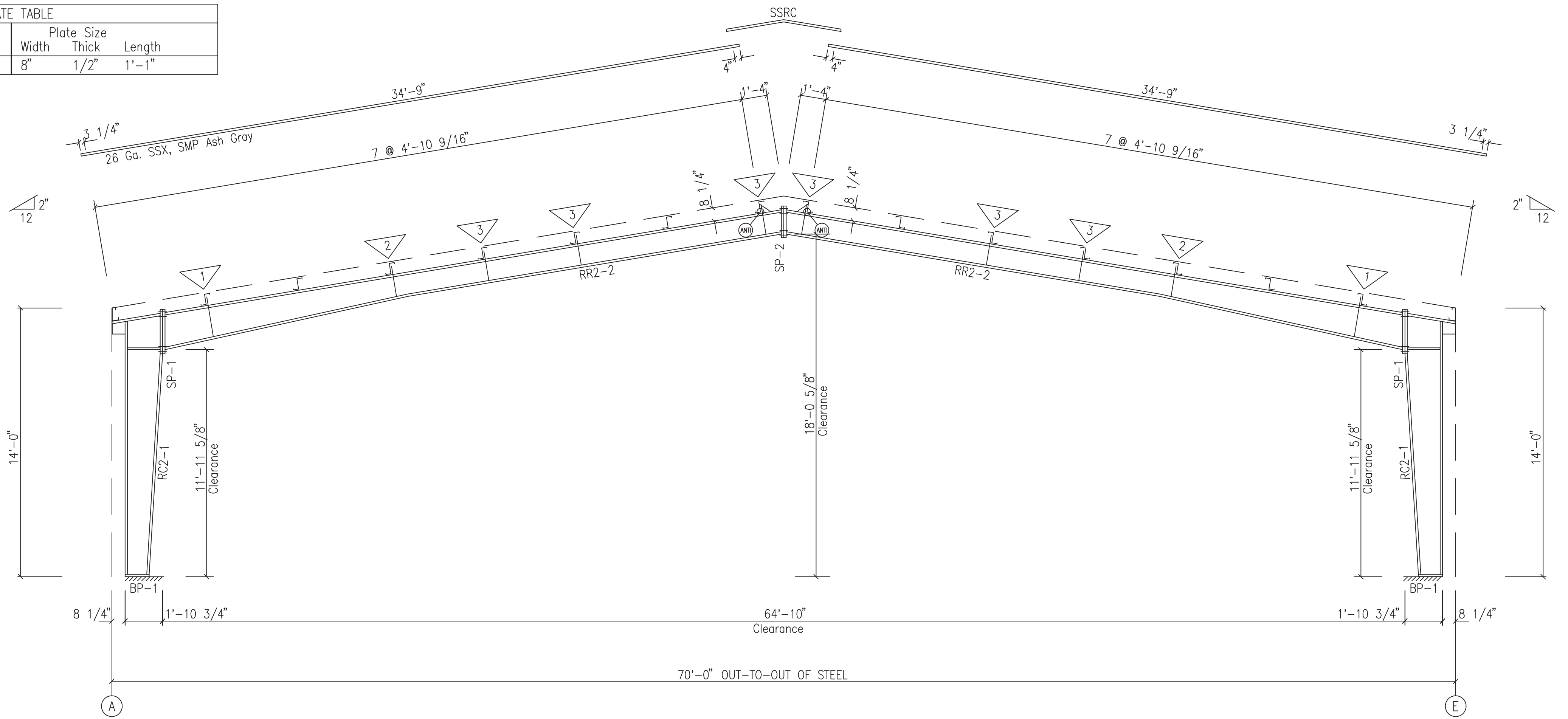
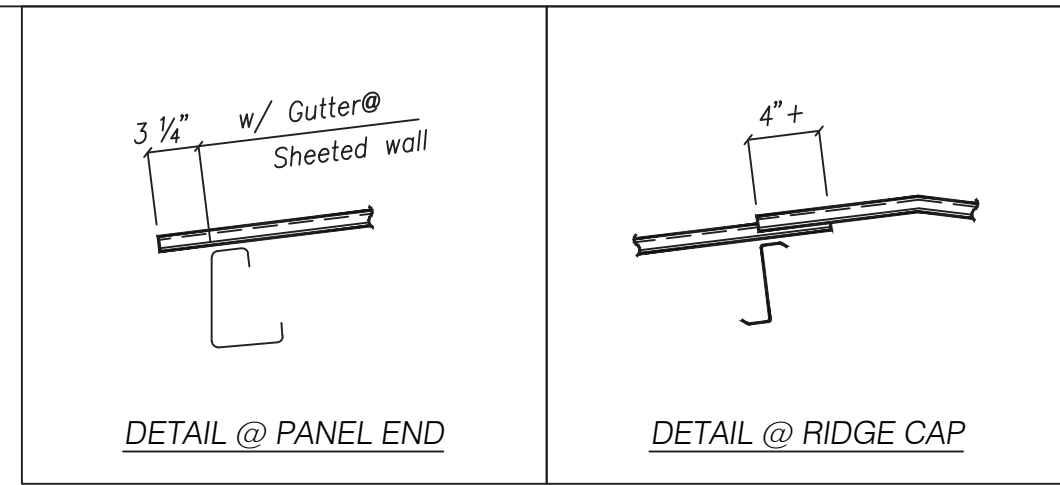
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SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	1"	2 1/2"	8"	5/8"	2'-5 1/2"
SP-2	4	4	0	A325	3/4"	1 3/4"	6"	3/8"	1'-9"

FLANGE BRACE TABLE						
A=L2x2x14GA B=L2x2x12GA C=L2x2x1/8 D=L3x3x3/16						
FRAME LINE: 2 5 6 7 10						
▽ ID	# SIDES	MARK	LENGTH	OFFSET	DETAIL	CLIP
1	1	FB5C	2'-9 7/8"	2'-4"		
2	1	FB2A	2'-6 3/4"	2'-4"		
3	1	FB1A	2'-6 1/2"	2'-4"		

BASE PLATE TABLE			
Col Mark	Plate Size		
	Width	Thick	Length
BP-1	8"	1/2"	1'-1"

MEMBER TABLE				
Mark	Web Depth		Web Plate	
	Start/End	Thick	W x Thk	Inside Flange W x Thk
RC2-1	12.0/22.0	0.164	6 x 1/4"	6 x 1/2"
RR2-2	22.0/22.0	0.250	6 x 1/2"	
	20.0/12.0	0.164	6 x 5/16"	6 x 1/2"
	12.0/12.0	0.135	6 x 1/4"	6 x 1/4"



RIGID FRAME ELEVATION: FRAME LINE 2 5 6 7 10

BOLT TIGHTENING (Snug-Tight)

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 FOR ERECTOR INSTALLATION: Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	RIGID FRAME ELEVATION	70'-0" x 273'-0" x 14'-0"
					CUSTOMER: BALUCOM BUSINESS PLAZA	CUSTOMER LOCATION: FUQUAY VARINA, NC 27526
					PROJECT REFERENCE: BALUCOM BUSINESS PLAZA	
					JOB SITE LOCATION: FUQUAY VARINA, NC 27526	JOB SITE COUNTY: WAKE
					DWN: PND	CHK: PNC
					DATE: 01.30.24	ENG: NPK
					JOB NO: 12252-33816	DWG NO: P2
					ISSUE: P1	



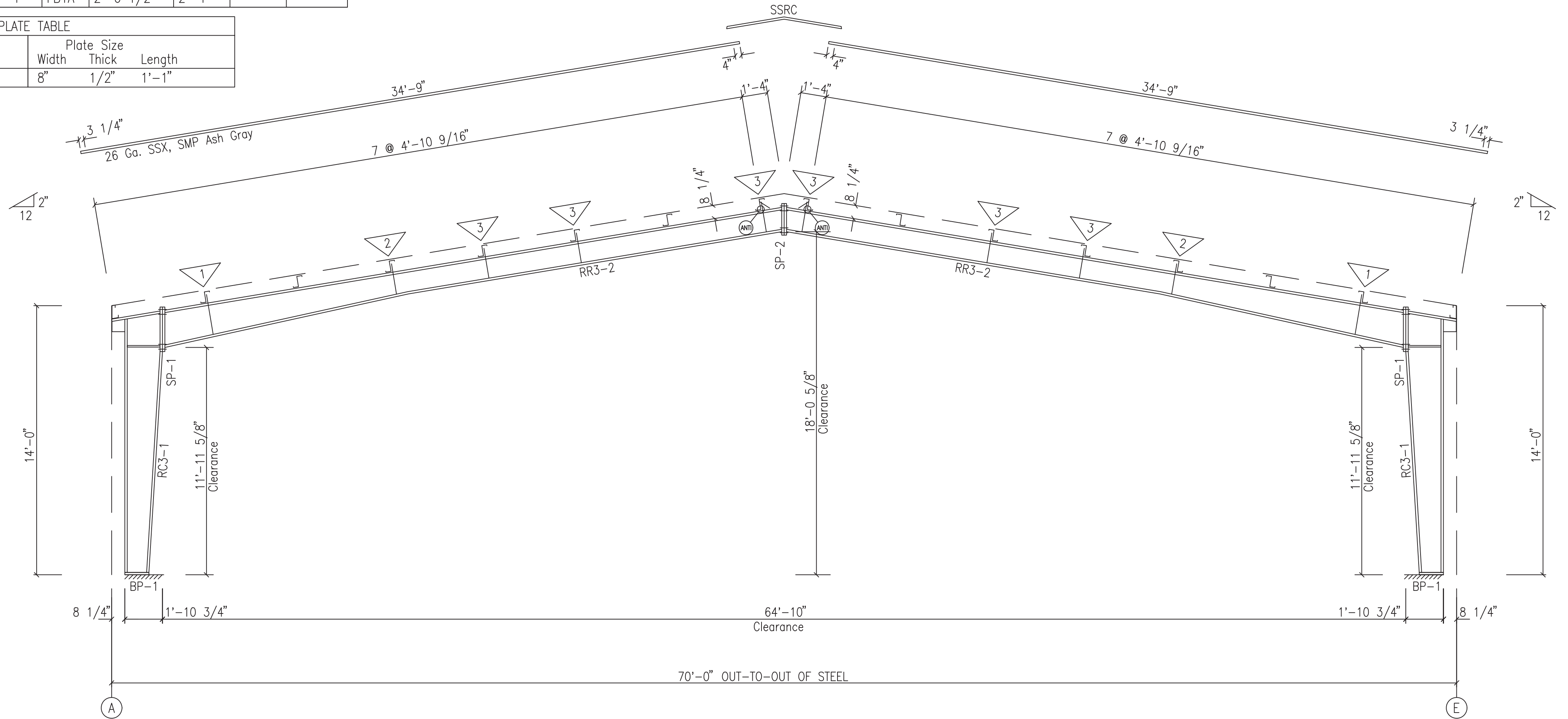
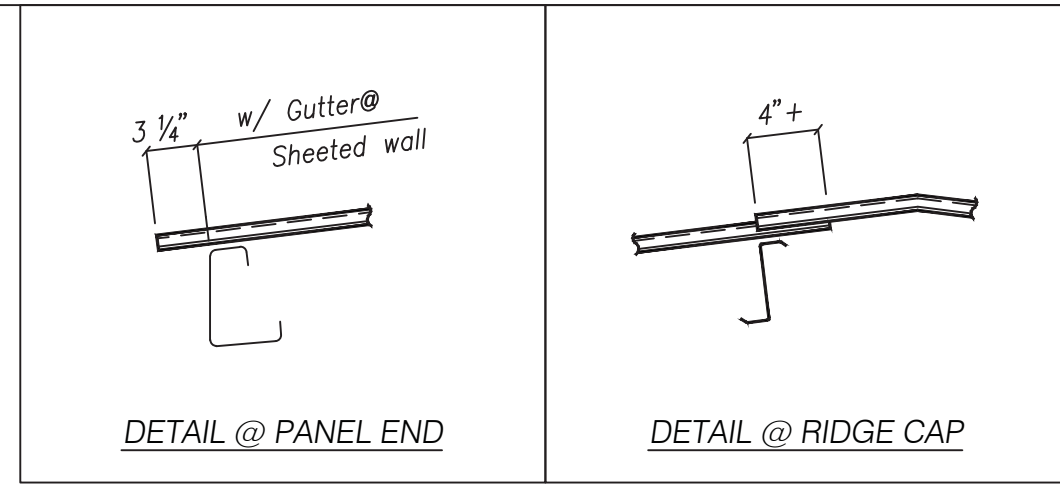
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SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	1"	2 1/2"	8"	5/8"	2'-5 1/2"
SP-2	4	4	0	A325	3/4"	1 3/4"	6"	3/8"	1'-9"

MEMBER TABLE					
Mark	Web Depth		Web Plate Thick	Outside Flange W x Thk	Inside Flange W x Thk
	Start	End			
RC3-1	12.0	22.0	0.164	6 x 1/4"	6 x 1/2"
RR3-2	22.0	22.0	0.250	6 x 1/2"	6 x 1/2"
	20.0	12.0	0.164	6 x 5/16"	6 x 1/2"
	12.0	12.0	0.135	6 x 1/4"	6 x 1/4"

FLANGE BRACE TABLE						
A=L2x2x14GA B=L2x2x12GA C=L2x2x1/8 D=L3x3x3/16						
FRAME LINE: 3 4 8 9						
▽ ID	#	MARK	LENGTH	OFFSET	DETAIL	CLIP
1	1	FB5C	2'-9 7/8"	2'-4"		
2	1	FB2A	2'-6 3/4"	2'-4"		
3	1	FB1A	2'-6 1/2"	2'-4"		

BASE PLATE TABLE			
Col Mark	Plate Size		
	Width	Thick	Length
BP-1	8"	1/2"	1'-1"



RIGID FRAME ELEVATION: FRAME LINE 3 4 8 9

BOLT TIGHTENING (Snug-Tight)

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FOR ERECTOR INSTALLATION:
Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	RIGID FRAME ELEVATION	70'-0" x 273'-0" x 14'-0"
					CUSTOMER: BAUCOM BUSINESS PLAZA	CUSTOMER LOCATION: FUQUAY VARINA, NC 27526
					PROJECT REFERENCE: BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION: FUQUAY VARINA, NC 27526	JOB SITE COUNTY: WAKE
					DWN: PND	CHK: PNC
					DATE: 01.30.24	ENG: NPK
					JOB NO: 12252-33816	DWG NO: P3
					ISSUE: P1	

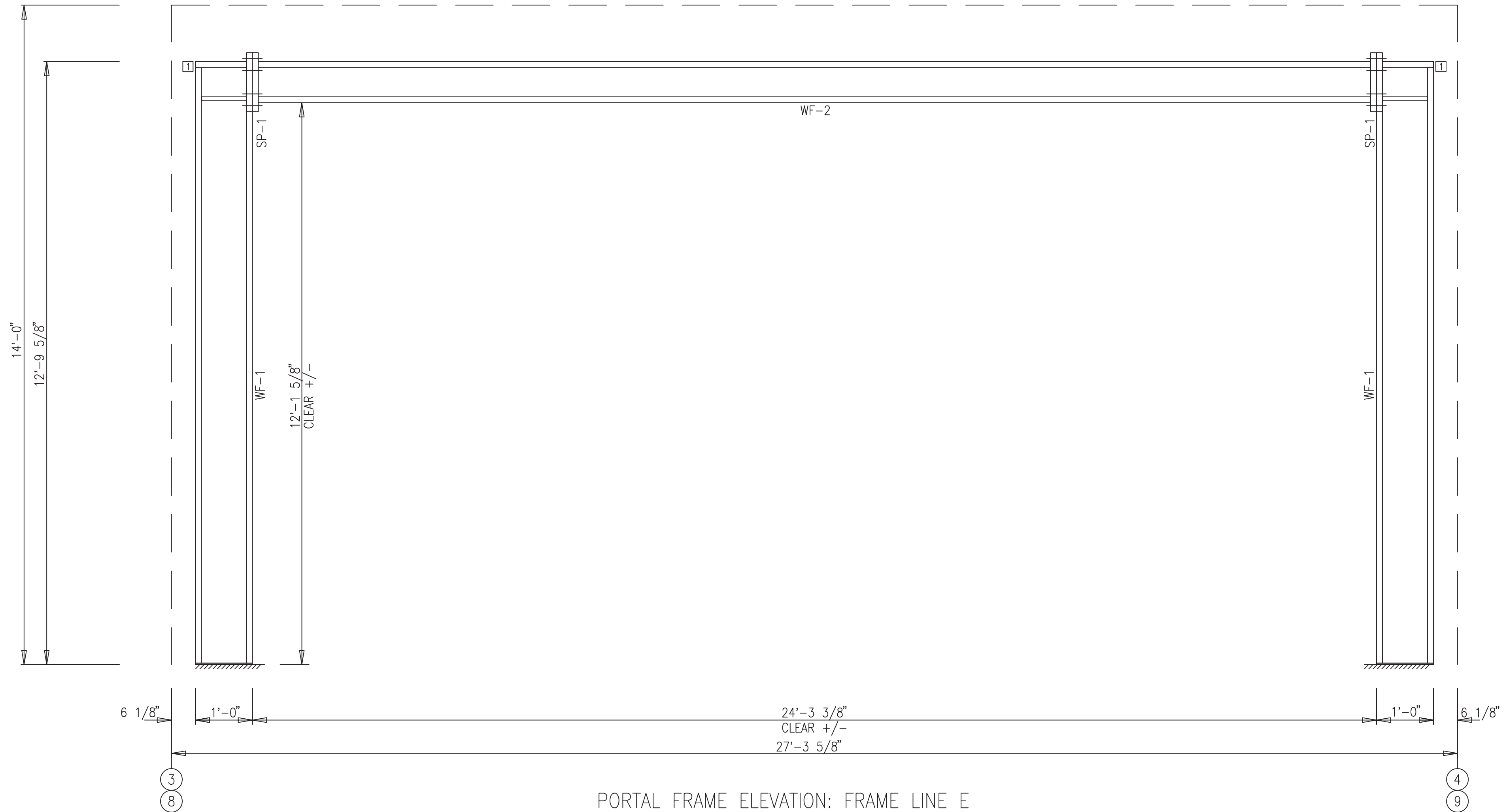


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SPLICE PLATES & BOLTS								
Splice Mark	Quan		Bolt			Plate Size		
	Top/	Bot	Type	Dia	Length	Width	Thick	Length
SP- 1	4	4	A325	0.750	2.00	6"	1/2"	1'-4 1/4"

MEMBER SIZE TABLE	
MARK	MEMBER
WF-2	W8641
WF-1	W12541

CONNECTION PLATES	
FRAME LINE E	
ID	MARK/PART
1	AK508



PORTAL FRAME ELEVATION: FRAME LINE E

BOLT TIGHTENING (Snug-Tight)

All bolted joints with ASTM F3125 Grade A325 bolts are specified as Snug-Tightened Joints in accordance with the Specification of Structural Joints Using High-Strength Bolts, June 11, 2020, installation as given in Section 7.1 Washers are not required for Snug-Tightened Joints using standard standard size holes per Section 6.1 of the Specification

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ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	PORTAL FRAME ELEVATION	70'-0" x 273'-0" x 14'-0"
			CUSTOMER:		BAUCOM BUSINESS PLAZA	
			PROJECT REFERENCE:		FUQUAY VARINA, NC 27526	
			JOB SITE LOCATION:		FUQUAY VARINA, NC 27526	
			JOB SITE COUNTY:		WAKE	
DWN:	CHK:	DATE:	ENG:	JOB NO:	DWG NO:	ISSUE:
PND	PNC	01.30.24	NPK	12252-33816	W1	P1

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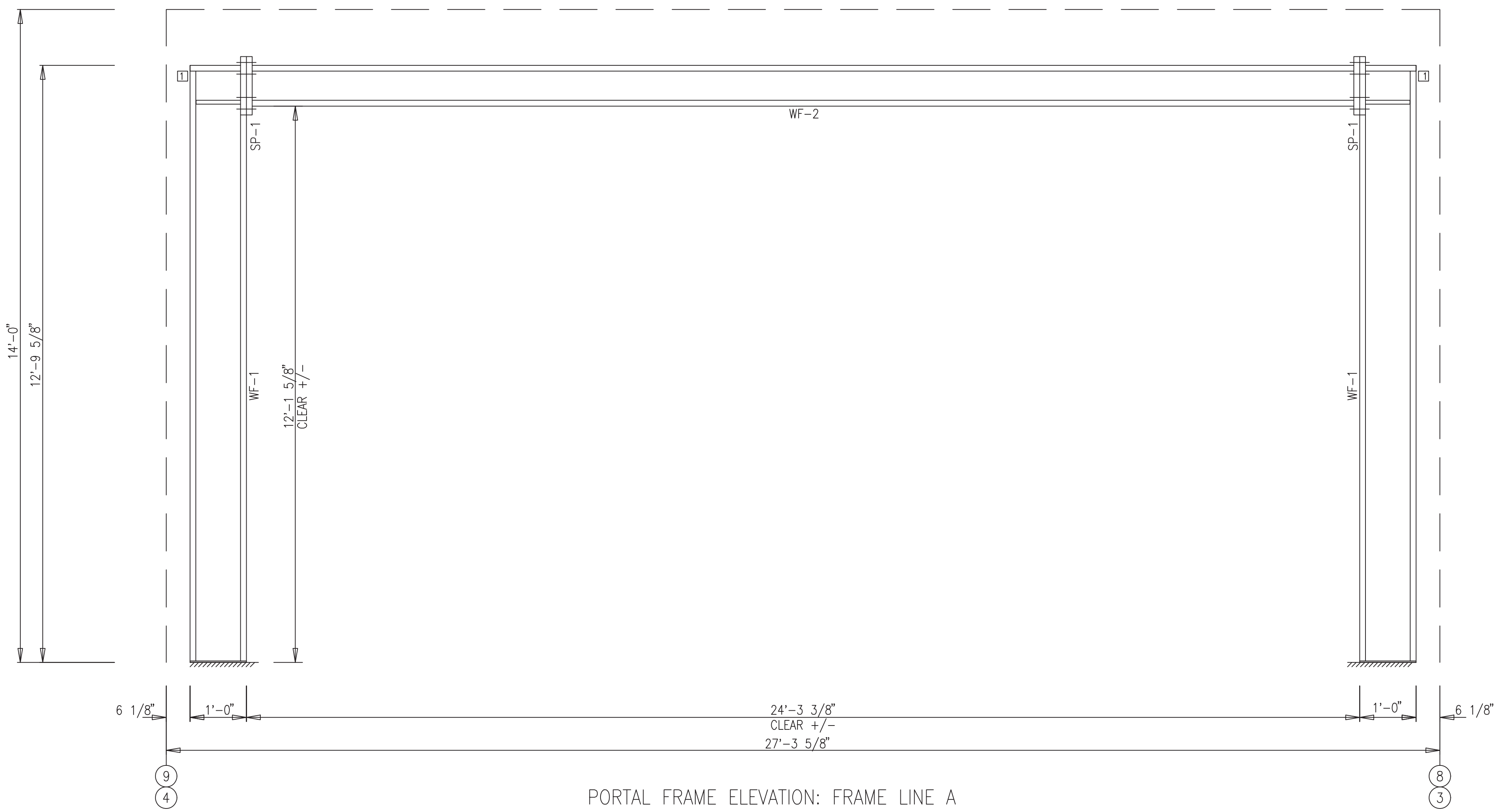


02/05/2024

SPLICE PLATES & BOLTS								
Splice Mark	Quan		Bolt			Plate Size		
	Top/	Bot	Type	Dia	Length	Width	Thick	Length
SP- 1	4	4	A325	0.750	2.00	6"	1/2"	1'-4 1/4"

MEMBER SIZE TABLE	
MARK	MEMBER
WF-2	W8641
WF-1	W12541

CONNECTION PLATES	
FRAME LINE A	
ID	MARK/PART
1	AK508



PORTAL FRAME ELEVATION: FRAME LINE A

BOLT TIGHTENING (Snug-Tight)

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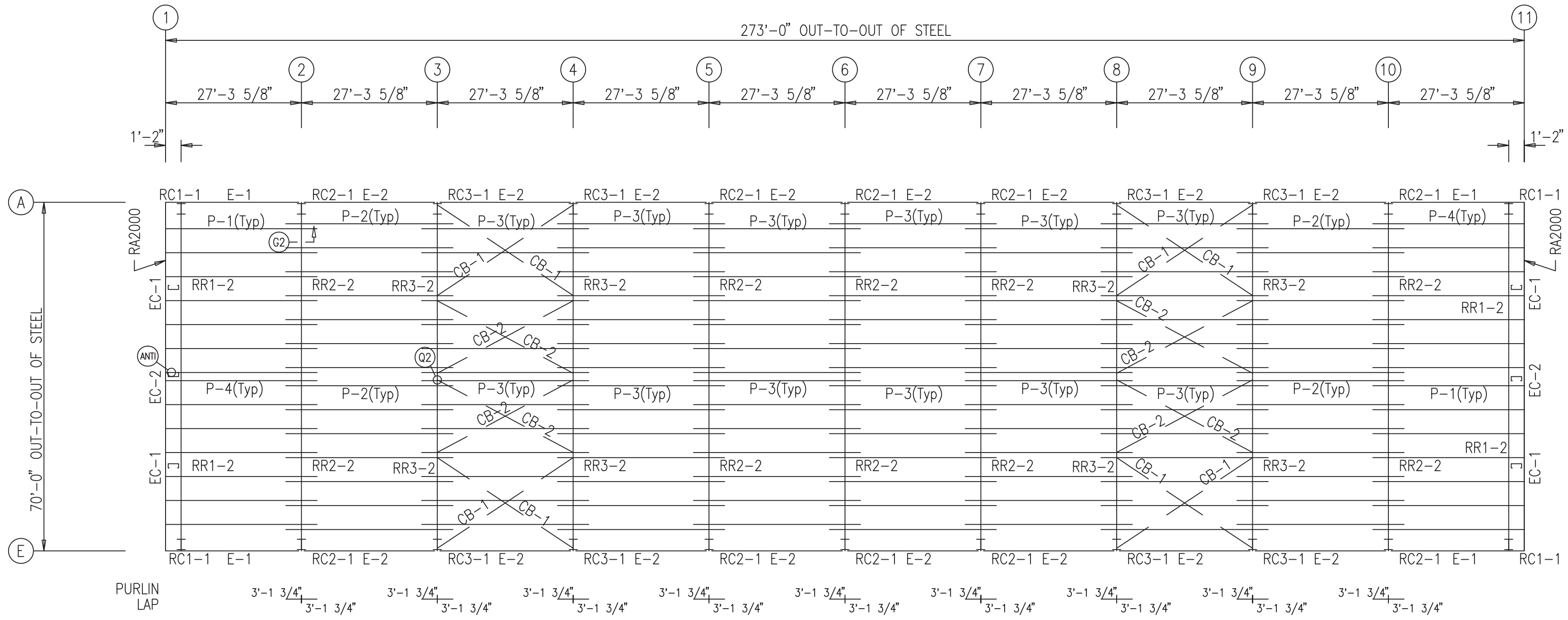


ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION	BLDG SIZE
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	PORTAL FRAME ELEVATION	70'-0" x 273'-0" x 14'-0"
					CUSTOMER: BAUCOM BUSINESS PLAZA	CUSTOMER LOCATION: FUQUAY VARINA, NC 27526
					PROJECT REFERENCE: BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION: FUQUAY VARINA, NC 27526	JOB SITE COUNTY: WAKE
					DWN: PND	CHK: PNC
					DATE: 01.30.24	ENG: NPK
					JOB NO: 12252-33816	DWG NO: W2
					ISSUE: P1	



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MEMBER TABLE	
ROOF PLAN	
MARK	PART
P-1	8X25Z12
P-2	8X25Z14
P-3	8X25Z16
P-4	8X25Z12
E-1	8ES142
E-2	8ES142
CB-1	0.25_CBL
CB-2	0.25_CBL



ROOF FRAMING PLAN

UL580, CLASS 90 CONST. NUMBER 167



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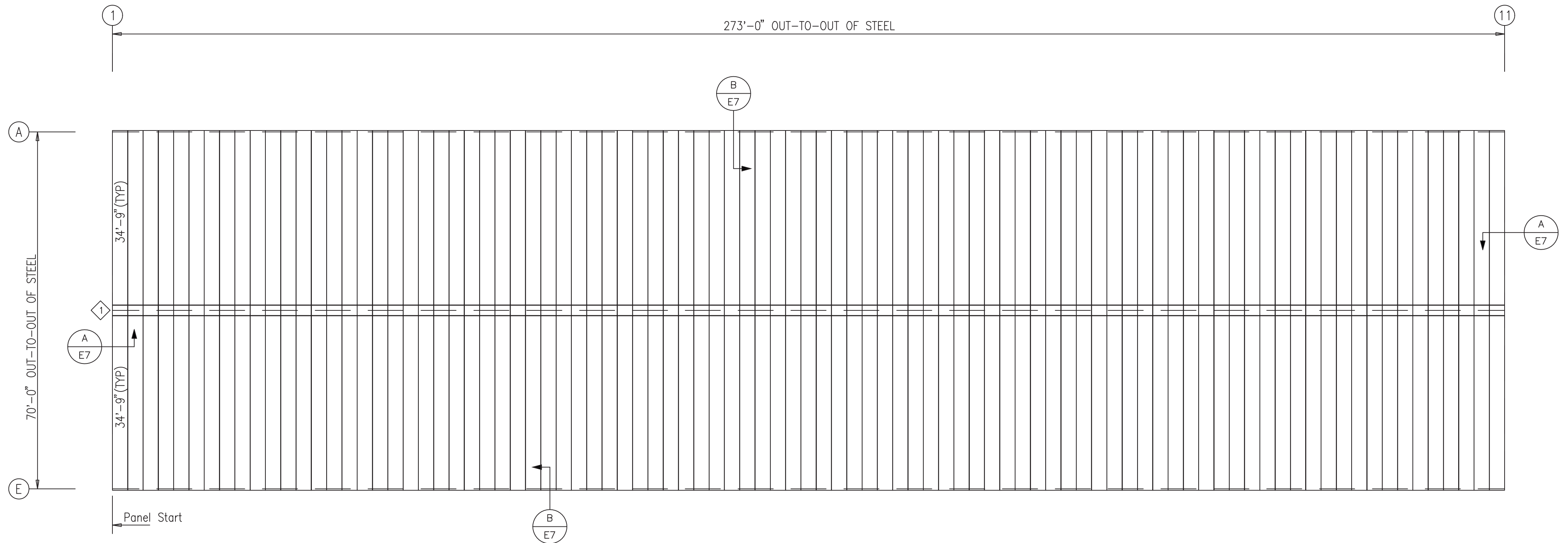
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Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	BLD SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	70'-0" x 273'-0" x 14'-0"
SHEET DESCRIPTION: ROOF FRAMING PLAN					
CUSTOMER: BAUCOM BUSINESS PLAZA			CUSTOMER LOCATION: FUQUAY VARINA, NC 27526		
PROJECT REFERENCE: BAUCOM BUSINESS PLAZA					
JOB SITE LOCATION: FUQUAY VARINA, NC 27526			JOB SITE COUNTY: WAKE		
DWN: PND	CHK: PNC	DATE: 01.30.24	ENG: NPK	JOB NO: 12252-33816	DWG NO: E1
					ISSUE: P1

ROOF SHEETING TRIM TABLE		
ID	PART	LENGTH
1	SSRC30	3'-0"



ROOF SHEETING PLAN
 PANELS: 26 Ga. SSX - SMP Ash Gray



02/05/2024

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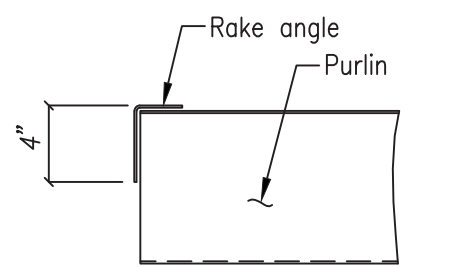
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ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	ROOF SHEETING PLAN	70'-0" x 273'-0" x 14'-0"
					CUSTOMER:	CUSTOMER LOCATION:
					BAUCOM BUSINESS PLAZA	FUQUAY VARINA, NC 27526
					PROJECT REFERENCE:	
					BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION:	JOB SITE COUNTY:
					FUQUAY VARINA, NC 27526	WAKE
DWN:	CHK:	DATE:	ENG:	JOB NO:	DWG NO:	ISSUE:
PND	PNC	01.30.24	NPK	12252-33816	E2	P1



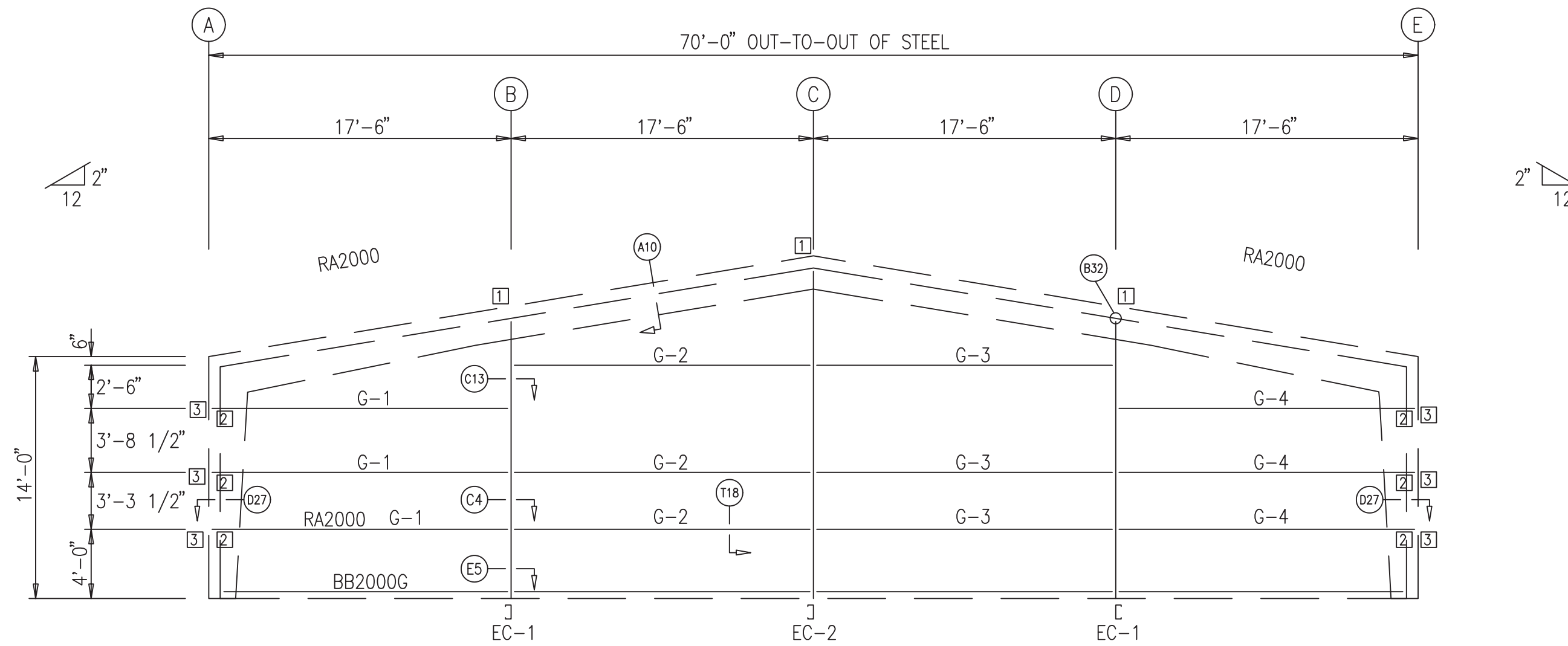
Detail at Rake Angle

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	5/8"	1 1/2"

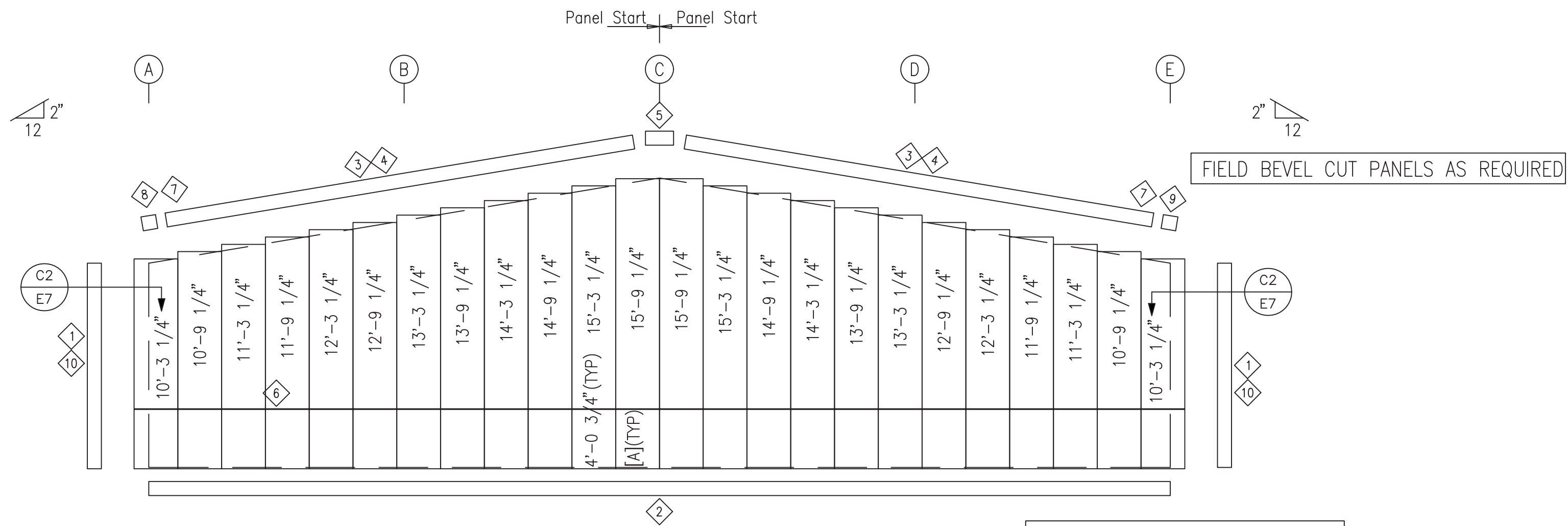
TRIM TABLE - THIS WALL ONLY		
FRAME LINE -1		
ID	PART	LENGTH
1	CT-102	14'-4"
2	BT-101	10'-3"
3	FL-16	15'-3"
4	FL-16	20'-3"
5	FL-16B	
6	WT-101	20'-3"
7	FL-16A	
8	FL-16CL	
9	FL-16CR	
10	MT-116B	14'-4"

MEMBER TABLE	
FRAME LINE 1	
MARK	PART
EC-1	8M35C12
EC-2	8M35C12
G-1	8X25Z16
G-2	8X25Z16
G-3	8X25Z16
G-4	8X25Z16

CONNECTION PLATES	
FRAME LINE 1	
ID	MARK/PART
1	XC-1
2	AD249
3	SC-5



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. SSX - SMP Hawaiian Blue

[A] PANELS: 26 Ga. SSX - SMP Steel Gray

GENERAL SHEETING & TRIM NOTES

- Refer to erection drawings for rake angle locations.
- Roof member screws are at 12" o.c. Eave end lap and peak screws are as shown.
- Wall member screws are at 6" o.c. at the base member and 12" o.c. at all remaining members.
- Roof stitch screws are located at each member with two between members (20" max. spacing).
- Wall stitch screws are located at each member with one between members (20" max. spacing).
- Skylight stitch screws are at 6" o.c.
- Start endwall panels at centerline of bldg. unless noted.
- Gutter, rake, & eave trim lap 2". All other trims lap 1".
- Field cut or lap panels as required to fit.
- Field cut panels for all openings.
- Pop rivet gutter counterflashing to wall panel on 3'-0" centers and caulk all laps.
- Gutter support strap spacing: Super Span 3'-0", Super Seam 4'-0", Weather Lok-16 2'-8".
- Corner and/or peak boxes are not furnished with special rake or gutter profiles. Field miter as req'd.
- Downspout straps are located 6" from base and at every girt location.
- Hot-rolled or built-up members must be pre-drilled before attaching members screws.
- Metal shavings must be swept from the roof each day to avoid surface rusting.
- Windows and louvers must be installed before sheeting the walls.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.

GENERAL FRAMING NOTES

- Angles are marked by their length in feet and inches.
- Field cut or lap angles as required to fit.
- Flange braces are marked by their length in decimal inches.
- Outside flange of girt turns down unless noted.
- Endwall girts and eave struts do not lap.
- Field cut and self-top girts at walk doors.
- Field slot girts for brace rods or cables.
- Field locate windows and walk doors.
- Field weld all splices at 14 gauge valley gutters.
- Field bolt AK400 base clip to endwall columns:
 - (2) 5/8" x 1-1/2" A325 bolts if (1) AK400 req'd
 - (2) 5/8" x 1-3/4" A325 bolts if (2) AK400 req'd
- Locate top of roof framed openings flush with the pan of the roof panel.
- Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.
- Sub-jamb for overhead doors, if required, is not furnished by Metal Building Provider

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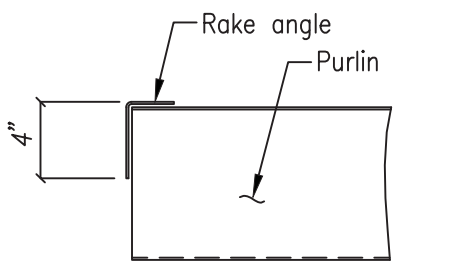
FOR ERECTOR INSTALLATION: Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	PNC	ENDWALL FRAME & SHEETING ELEVATION	70'-0" x 273'-0" x 14'-0"
						CUSTOMER:	CUSTOMER LOCATION:
						BAUCOM BUSINESS PLAZA	FUQUAY VARINA, NC 27526
						PROJECT REFERENCE:	
						BAUCOM BUSINESS PLAZA	
						JOB SITE LOCATION:	JOB SITE COUNTY:
						FUQUAY VARINA, NC 27526	WAKE
						DWN:	ENG:
						PND	NPK
						DATE:	JOB NO:
						01.30.24	12252-33816
						DWG NO:	ISSUE:
						E3	P1



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Detail at Rake Angle

BOLT TABLE				
FRAME LINE 11				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	5/8"	1 1/2"

TRIM TABLE - THIS WALL ONLY
FRAME LINE -11

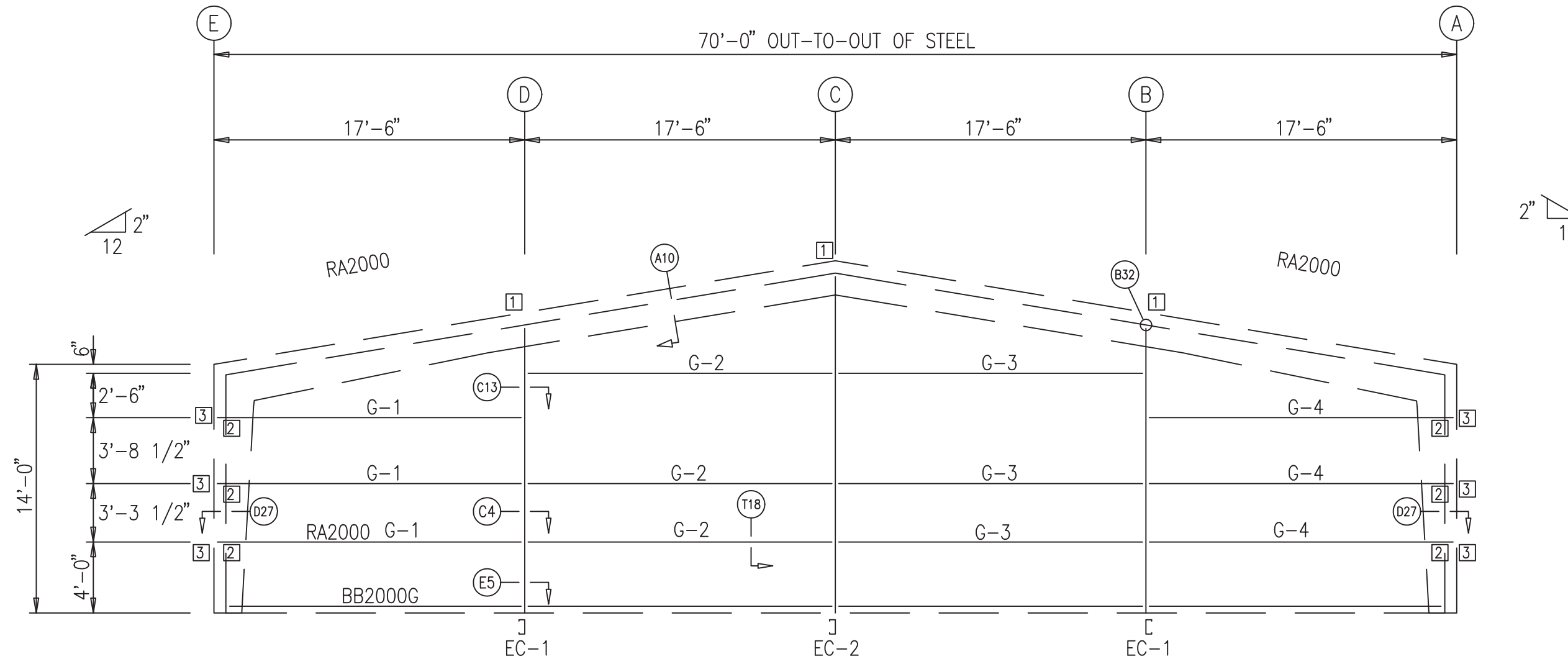
ID	PART	LENGTH
1	CT-102	14'-4"
2	BT-101	10'-3"
3	FL-16	15'-3"
4	FL-16	20'-3"
5	FL-16B	
6	WT-101	20'-3"
7	FL-16A	
8	FL-16CL	
9	FL-16CR	
10	MT-116B	14'-4"

MEMBER TABLE
FRAME LINE 11

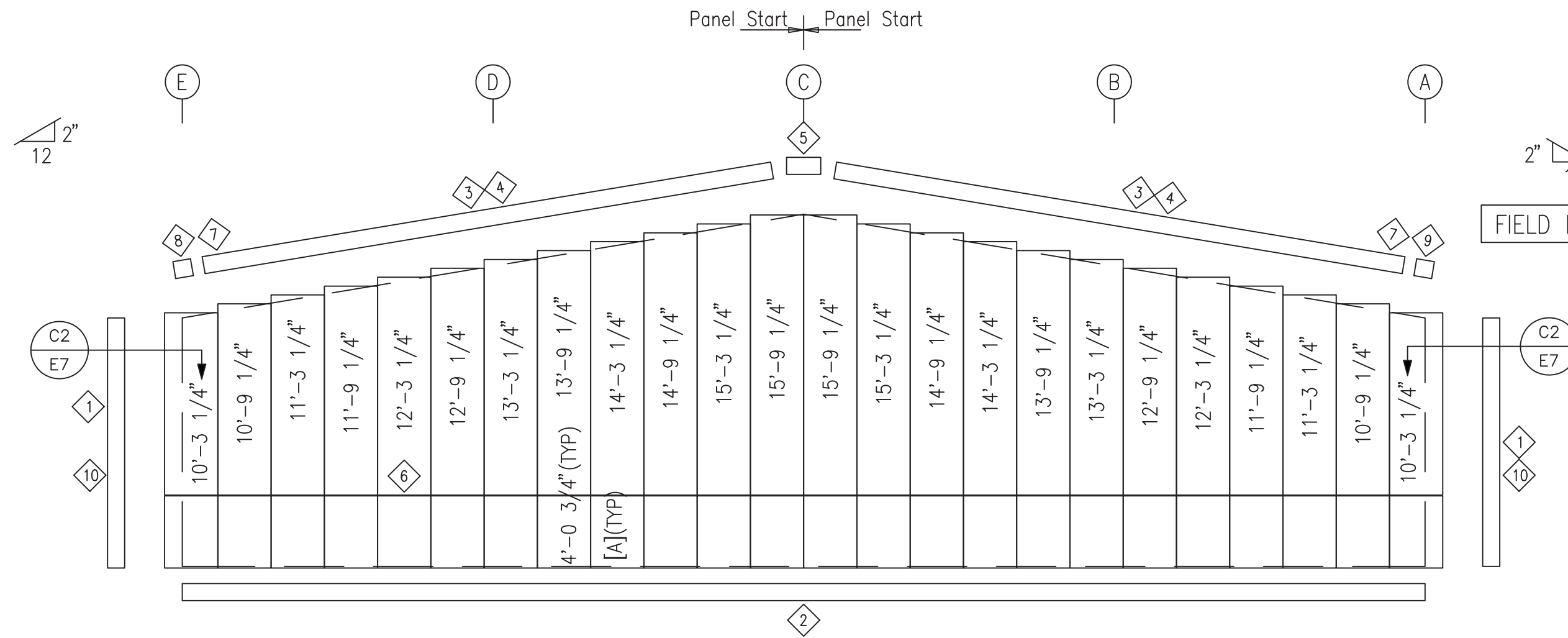
MARK	PART
EC-1	8M35C12
EC-2	8M35C12
G-1	8X25Z16
G-2	8X25Z16
G-3	8X25Z16
G-4	8X25Z16

CONNECTION PLATES
FRAME LINE 11

ID	MARK/PART
1	XC-1
2	AD249
3	SC-5



ENDWALL FRAMING: FRAME LINE 11



ENDWALL SHEETING & TRIM: FRAME LINE 11

PANELS: 26 Ga. SSX - SMP Hawaiian Blue
[A] PANELS: 26 Ga. SSX - SMP Steel Gray

GENERAL SHEETING & TRIM NOTES

- Refer to erection drawings for rake angle locations.
- Roof member screws are at 12" o.c. Eave end lap and peak screws are as shown.
- Wall member screws are at 6" o.c. at the base member and 12" o.c. at all remaining members.
- Roof stitch screws are located at each member with two between members (20" max. spacing).
- Wall stitch screws are located at each member with one between members (20" max. spacing).
- Skylight stitch screws are at 6" o.c.
- Start endwall panels at centerline of bldg. unless noted.
- Gutter, rake, & eave trim lap 2". All other trims lap 1".
- Field cut or lap panels as required to fit.
- Field cut panels for all openings.
- Pop rivet gutter counterflashing to wall panel on 3'-0" centers and caulk all laps.
- Gutter support strap spacing: Super Span 3'-0", Super Seam 4'-0", Weather Lok-16 2'-8".
- Corner and/or peak boxes are not furnished with special rake or gutter profiles. Field miter as req'd.
- Downspout straps are located 6" from base and at every girt location.
- Hot-rolled or built-up members must be pre-drilled before attaching members screws.
- Metal shavings must be swept from the roof each day to avoid surface rusting.
- Windows and louvers must be installed before sheeting the walls.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.

GENERAL FRAMING NOTES

- Angles are marked by their length in feet and inches.
- Field cut or lap angles as required to fit.
- Flange braces are marked by their length in decimal inches.
- Outside flange of girt turns down unless noted.
- Endwall girts and eave struts do not lap.
- Field cut and self-lap girts at walk doors.
- Field slot girts for brace rods or cables.
- Field locate windows and walk doors.
- Field weld all splices at 14 gauge valley gutters.
- Field bolt AK400 base clip to endwall columns:
(2) 5/8" x 1-1/2" A325 bolts if (1) AK400 req'd
(2) 5/8" x 1-3/4" A325 bolts if (2) AK400 req'd
- Locate top of roof framed openings flush with the pan of the roof panel.
- Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.
- Sub-jamb for overhead doors, if required, is not furnished by Metal Building Provider

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FOR ERECTOR INSTALLATION:
Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	PNC	ENDWALL FRAME & SHEETING ELEVATION	70'-0" x 273'-0" x 14'-0"
						CUSTOMER:	CUSTOMER LOCATION:
						BAUCOM BUSINESS PLAZA	FUQUAY VARINA, NC 27526
						PROJECT REFERENCE:	
						BAUCOM BUSINESS PLAZA	
						JOB SITE LOCATION:	JOB SITE COUNTY:
						FUQUAY VARINA, NC 27526	WAKE
						DWN:	WAKE
						CHK:	WAKE
						DATE:	WAKE
						01.30.24	WAKE
						ENG:	WAKE
						NPK	WAKE
						JOB NO:	WAKE
						12252-33816	WAKE
						DWG NO:	WAKE
						E4	WAKE
						ISSUE:	WAKE
						P1	WAKE



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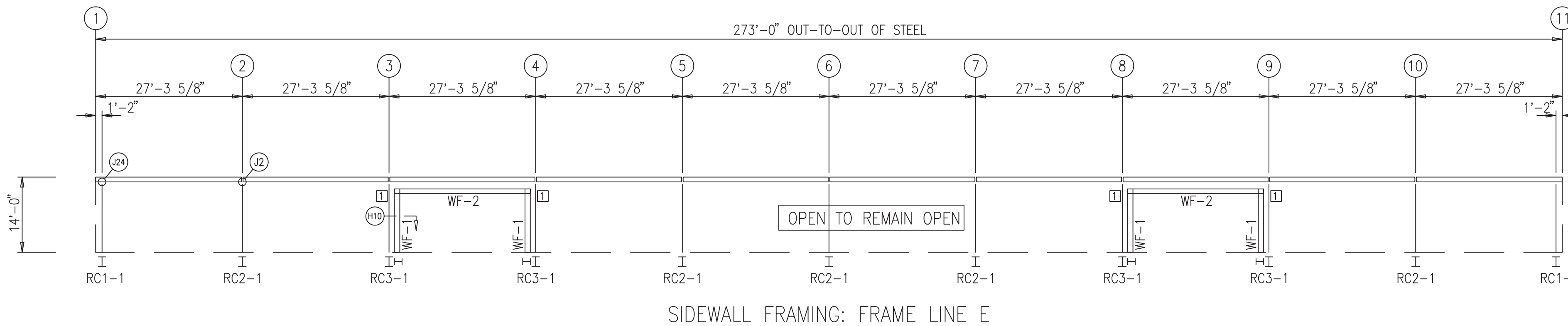
DOWNSPOUT LOCATIONS

BOLT TABLE FRAME LINE E				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	3/4"	2"
WF-1 - RC3-1	8	A325	5/8"	1 3/4"

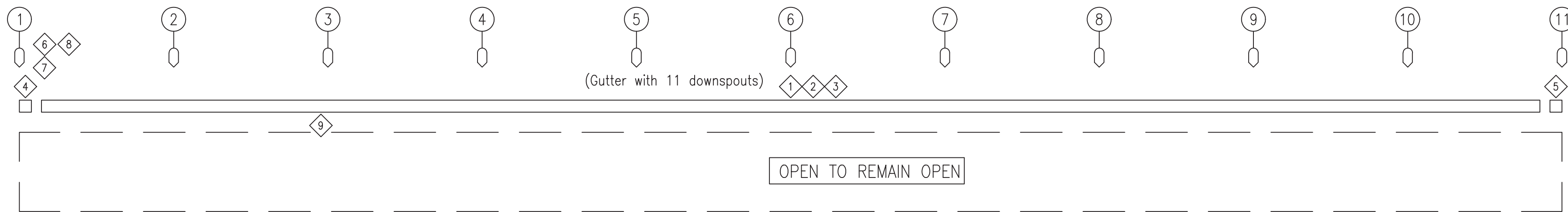
TRIM TABLE - THIS WALL ONLY FRAME LINE -E		
ID	PART	LENGTH
1	FL-18D	20'-3"
2	GC-102	10'-3"
3	GS-121	
4	FL-18A2L	
5	FL-18A2R	
6	DS-101	13'-8"
7	DS-105	
8	DS-125	
9	CF-102	10'-3"

MEMBER TABLE FRAME LINE E	
MARK	PART
WF-1	W12541
WF-2	W8641

CONNECTION PLATES FRAME LINE E	
ID	MARK/PART
1	AK508



SIDEWALL FRAMING: FRAME LINE E



SIDEWALL TRIM: FRAME LINE E

GENERAL SHEETING & TRIM NOTES

- Refer to erection drawings for rake angle locations.
- Roof member screws are at 12" o.c. Eave end lap and peak screws are as shown.
- Wall member screws are at 6" o.c. at the base member and 12" o.c. at all remaining members.
- Roof stitch screws are located at each member with two between members (20" max. spacing).
- Wall stitch screws are located at each member with one between members (20" max. spacing).
- Skylight stitch screws are at 6" o.c.
- Start endwall panels at centerline of bldg. unless noted.
- Gutter, rake, & eave trim lap 2". All other trims lap 1".
- Field cut or lap panels as required to fit.
- Field cut panels for all openings.
- Pop rivet gutter counterflashing to wall panel on 3'-0" centers and caulk all laps.
- Gutter support strap spacing: Super Span 3'-0", Super Seam 4'-0", Weather Lok-16 2'-8".
- Corner and/or peak boxes are not furnished with special rake or gutter profiles. Field miter as req'd.
- Downspout straps are located 6" from base and at every girt location.
- Hot-rolled or built-up members must be pre-drilled before attaching members screws.
- Metal shavings must be swept from the roof each day to avoid surface rusting.
- Windows and louvers must be installed before sheeting the walls.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.

GENERAL FRAMING NOTES

- Angles are marked by their length in feet and inches.
- Field cut or lap angles as required to fit.
- Flange braces are marked by their length in decimal inches.
- Outside flange of girt turns down unless noted.
- Endwall girts and eave struts do not lap.
- Field cut and self-tap girts at walk doors.
- Field slot girts for brace rods or cables.
- Field locate windows and walk doors.
- Field weld all splices at 14 gauge valley gutters.
- Field bolt AK400 base clip to endwall columns:
(2) 5/8" x 1-1/2" A325 bolts if (1) AK400 req'd
(2) 5/8" x 1-3/4" A325 bolts if (2) AK400 req'd
- Locate top of roof framed openings flush with the pan of the roof panel.
- Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.
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FOR ERECTOR INSTALLATION:
Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	SIDEWALL FRAME & SHEETING ELEVATION	70'-0" x 273'-0" x 14'-0"
					CUSTOMER:	CUSTOMER LOCATION:
					BAUCOM BUSINESS PLAZA	FUQUAY VARINA, NC 27526
					PROJECT REFERENCE:	
					BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION:	JOB SITE COUNTY:
					FUQUAY VARINA, NC 27526	WAKE
					DWN:	WAKE
					CHK: PNC	DWG NO: E5
					DATE: 01.30.24	ISSUE: P1
					ENG: NPK	
					JOB NO: 12252-33816	



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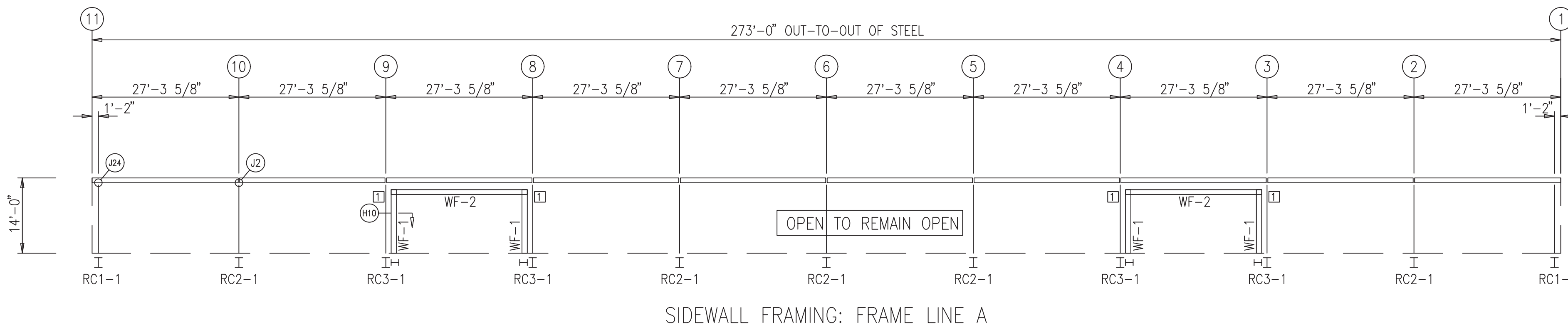
DOWNSPOUT LOCATIONS

BOLT TABLE FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	3/4"	2"
WF-1 - RC3-1	8	A325	5/8"	1 3/4"

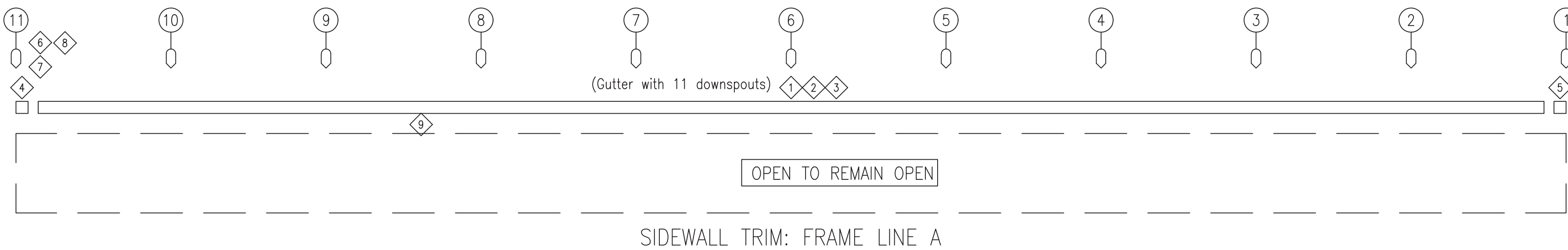
TRIM TABLE - THIS WALL ONLY FRAME LINE -A		
ID	PART	LENGTH
1	FL-18D	20'-3"
2	GC-102	10'-3"
3	GS-121	
4	FL-18A2L	
5	FL-18A2R	
6	DS-101	13'-8"
7	DS-105	
8	DS-125	
9	CF-102	10'-3"

MEMBER TABLE FRAME LINE A	
MARK	PART
WF-1	W12541
WF-2	W8641

CONNECTION PLATES FRAME LINE A	
ID	MARK/PART
1	AK508



(Gutter with 11 downspouts)



GENERAL SHEETING & TRIM NOTES

- Refer to erection drawings for rake angle locations.
- Roof member screws are at 12" o.c. Eave end lap and peak screws are as shown.
- Wall member screws are at 6" o.c. at the base member and 12" o.c. at all remaining members.
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- Wall stitch screws are located at each member with one between members (20" max. spacing).
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- Gutter, rake, & eave trim lap 2". All other trims lap 1".
- Field cut or lap panels as required to fit.
- Field cut panels for all openings.
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- Gutter support strap spacing: Super Span 3'-0", Super Seam 4'-0", Weather Lok-16 2'-8".
- Corner and/or peak boxes are not furnished with special rake or gutter profiles. Field miter as req'd.
- Downspout straps are located 6" from base and at every girt location.
- Hot-rolled or built-up members must be pre-drilled before attaching members screws.
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GENERAL FRAMING NOTES

- Angles are marked by their length in feet and inches.
- Field cut or lap angles as required to fit.
- Flange braces are marked by their length in decimal inches.
- Outside flange of girt turns down unless noted.
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- Field slot girts for brace rods or cables.
- Field locate windows and walk doors.
- Field weld all splices at 14 gauge valley gutters.
- Field bolt AK400 base clip to endwall columns:
(2) 5/8" x 1-1/2" A325 bolts if (1) AK400 req'd
(2) 5/8" x 1-3/4" A325 bolts if (2) AK400 req'd
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- Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.
- Sub-jamb for overhead doors, if required, is not furnished by Metal Building Provider

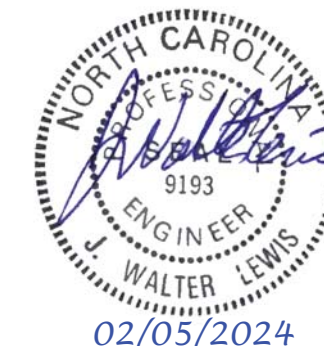
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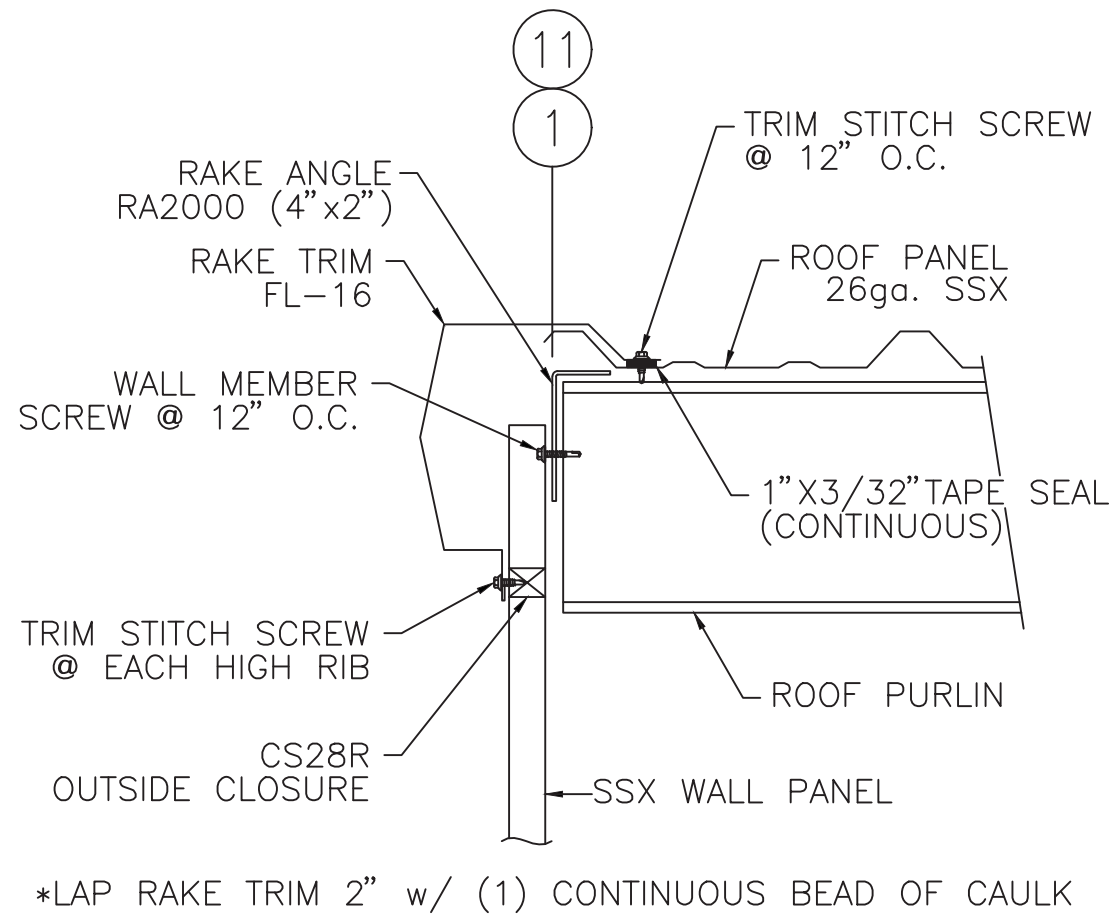
FOR ERECTOR INSTALLATION:
Final drawings for construction.



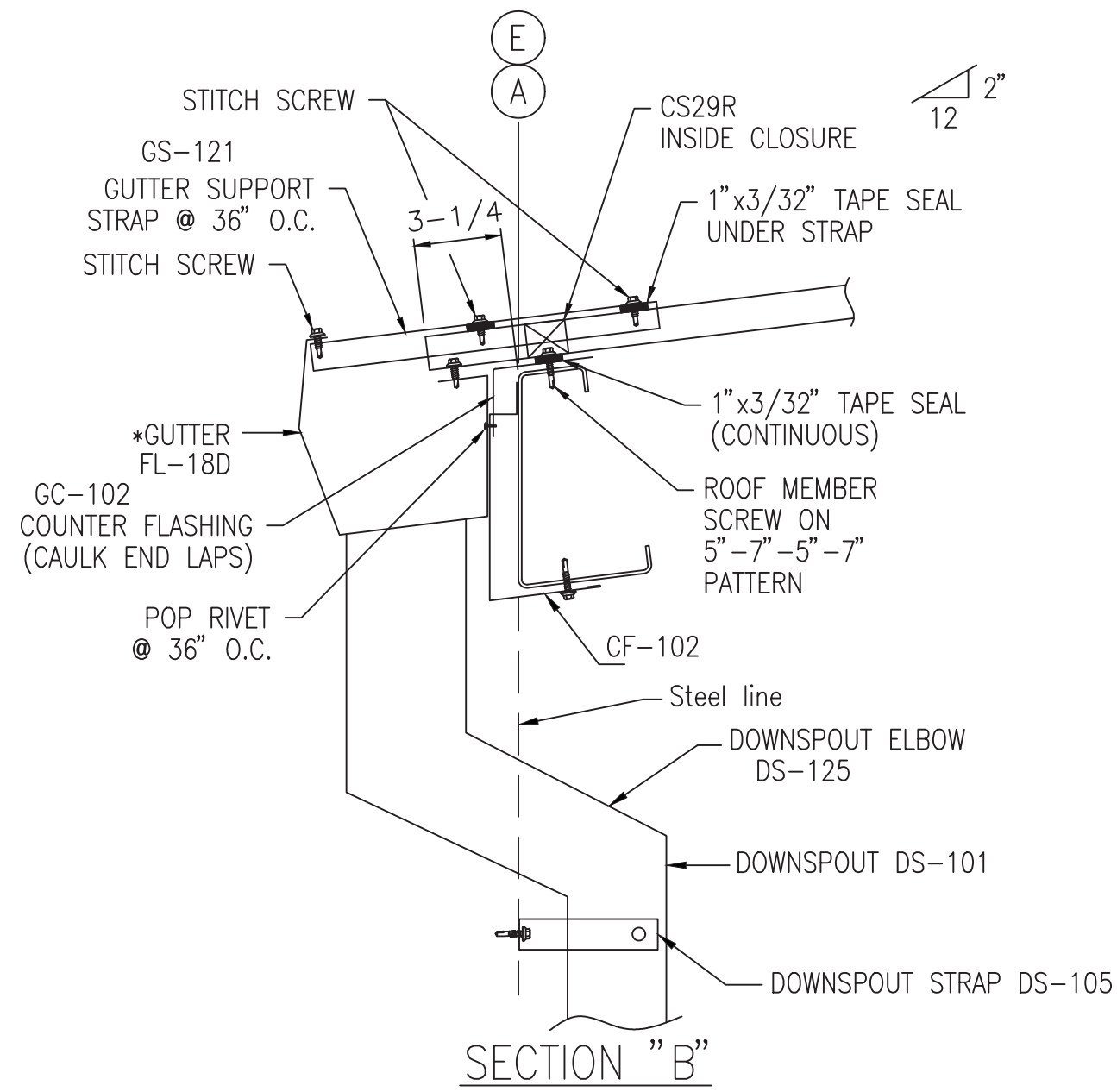
ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	SIDEWALL FRAME & SHEETING ELEVATION	70'-0" x 273'-0" x 14'-0"
					CUSTOMER:	CUSTOMER LOCATION:
					BAUJCOM BUSINESS PLAZA	FUQUAY VARINA, NC 27526
					PROJECT REFERENCE:	
					BAUJCOM BUSINESS PLAZA	
					JOB SITE LOCATION:	JOB SITE COUNTY:
					FUQUAY VARINA, NC 27526	WAKE
					DWN:	WAKE
					CHK:	DWG NO:
					PND	E6
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					01.30.24	P1
					ENG:	
					NPK	
					JOB NO:	
					12252-33816	



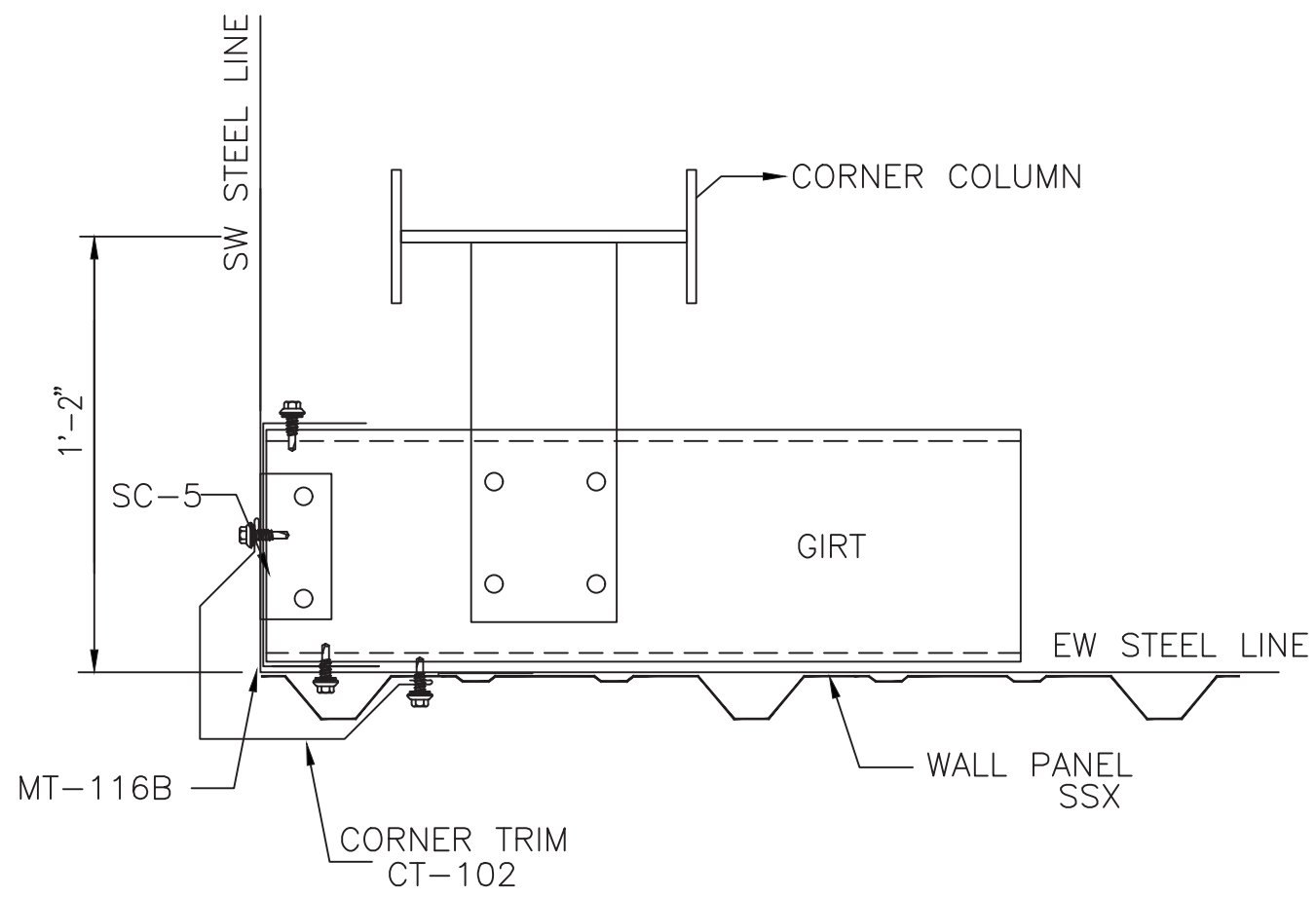
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SECTION "A"



SECTION "B"



SECTION "C2"



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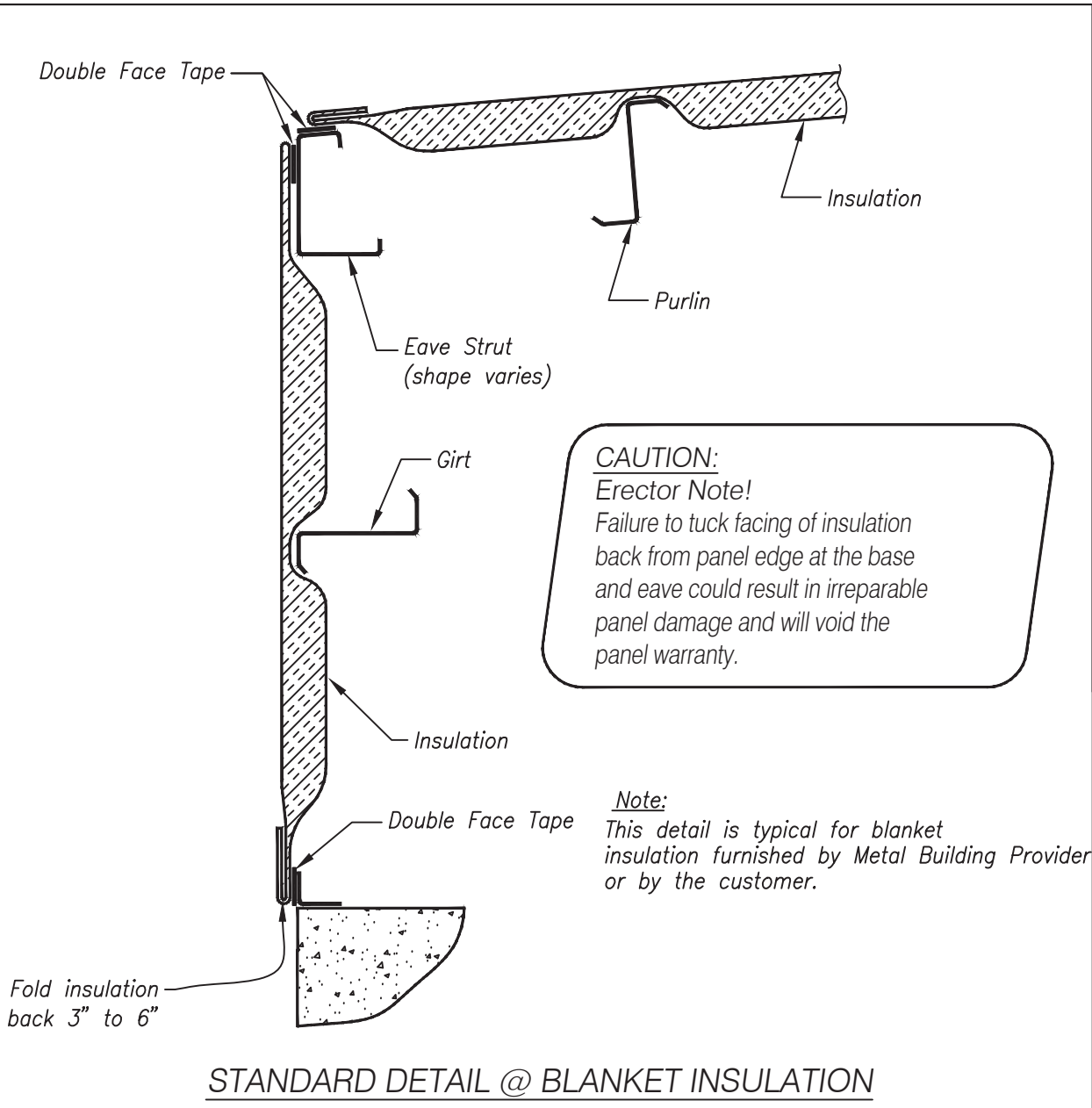
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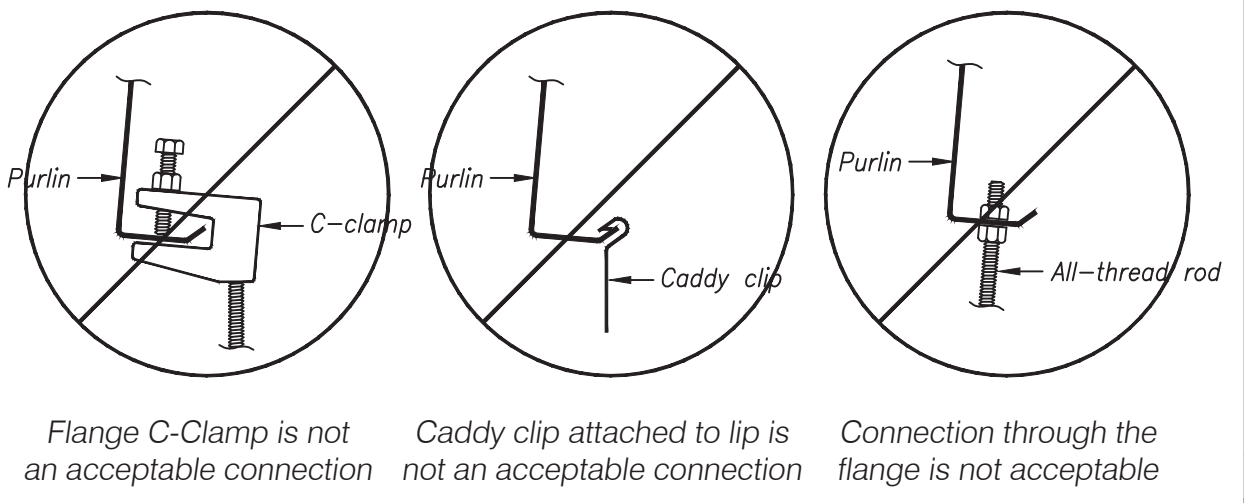
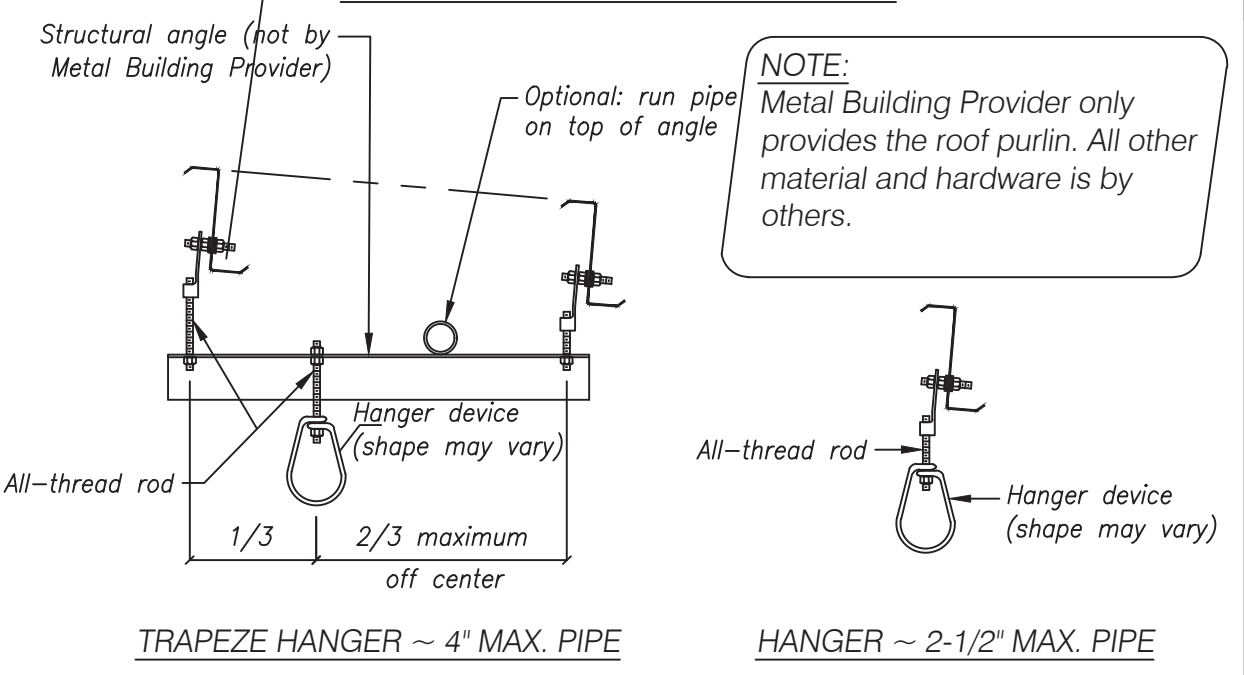
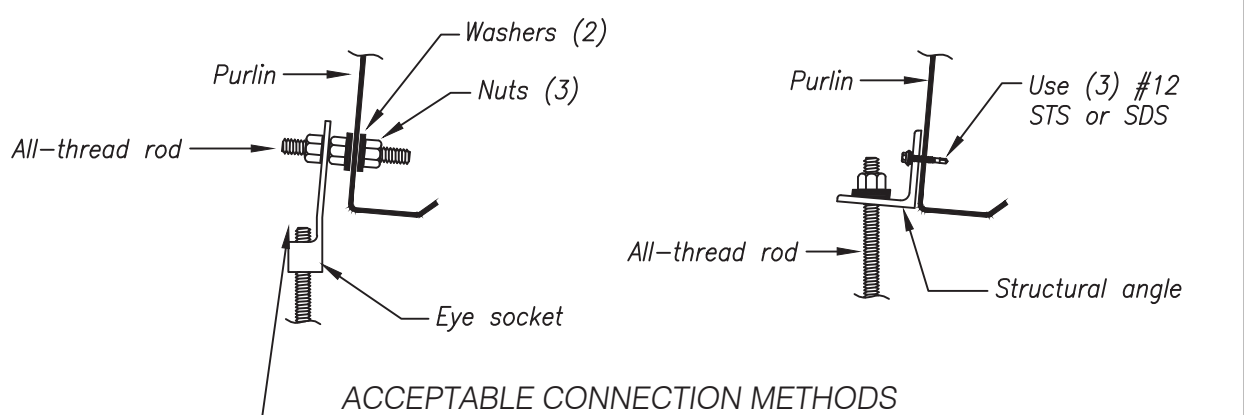
FOR ERECTOR INSTALLATION: Final drawings for construction.



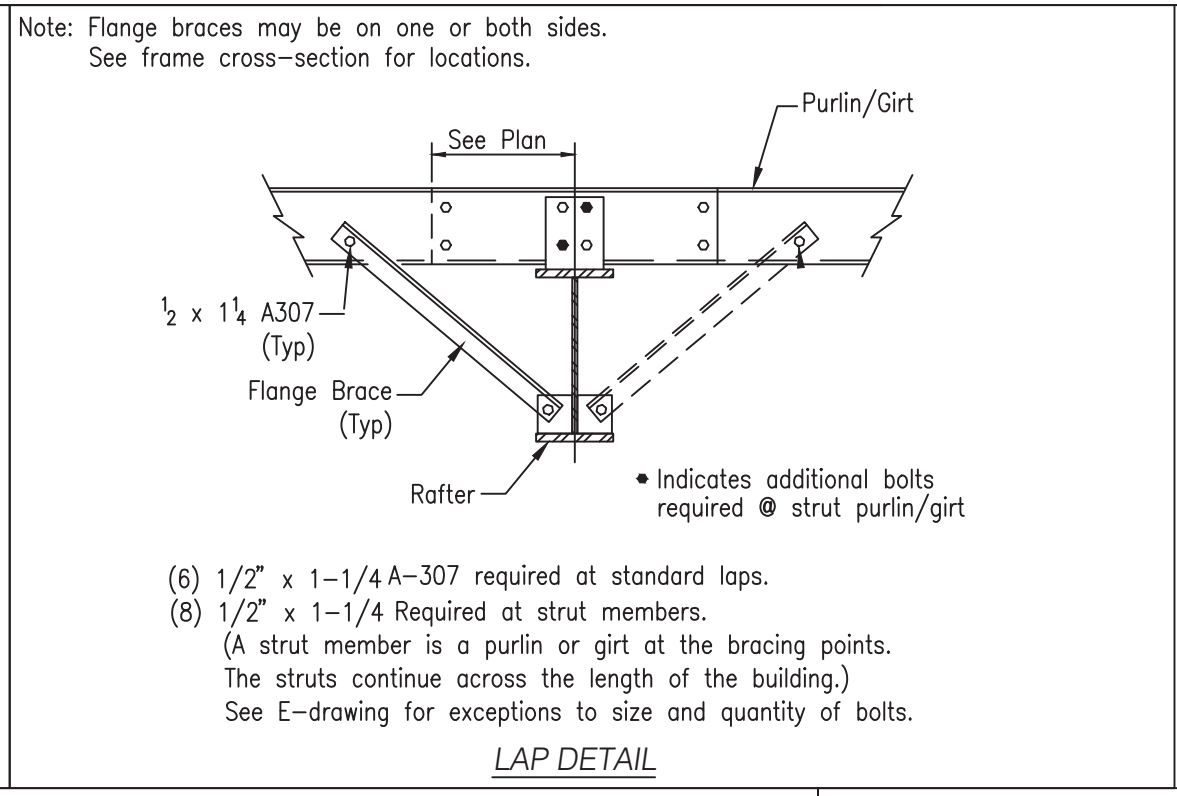
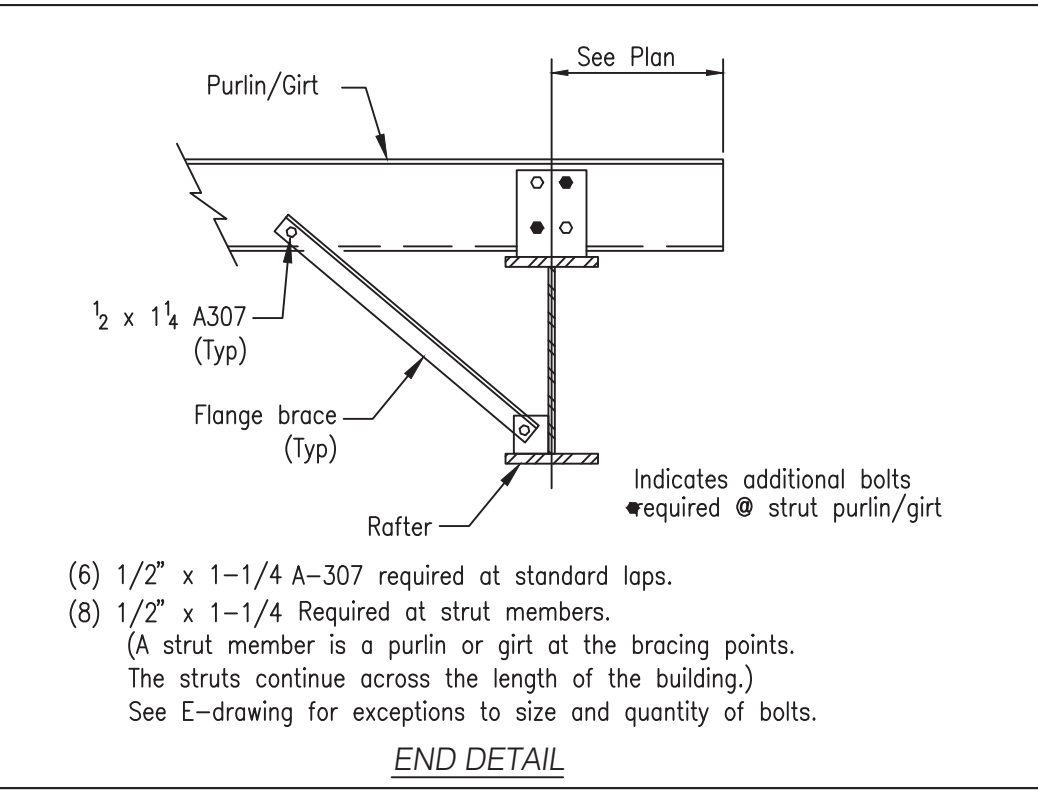
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P1	01.30.24	FOR CONSTRUCTION PERMIT	PND	PNC	BUILDING SECTIONS	70'-0" x 273'-0" x 14'-0"
					CUSTOMER:	CUSTOMER LOCATION:
					BAUCOM BUSINESS PLAZA	FUQUAY VARINA, NC 27526
					PROJECT REFERENCE:	
					BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION:	JOB SITE COUNTY:
					FUQUAY VARINA, NC 27526	WAKE
					DWN:	WAKE
					CHK:	DATE:
					PND	PNC
					DATE:	ENG:
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					JOB NO:	DWG NO:
					12252-33816	E7
					ISSUE:	
					P1	



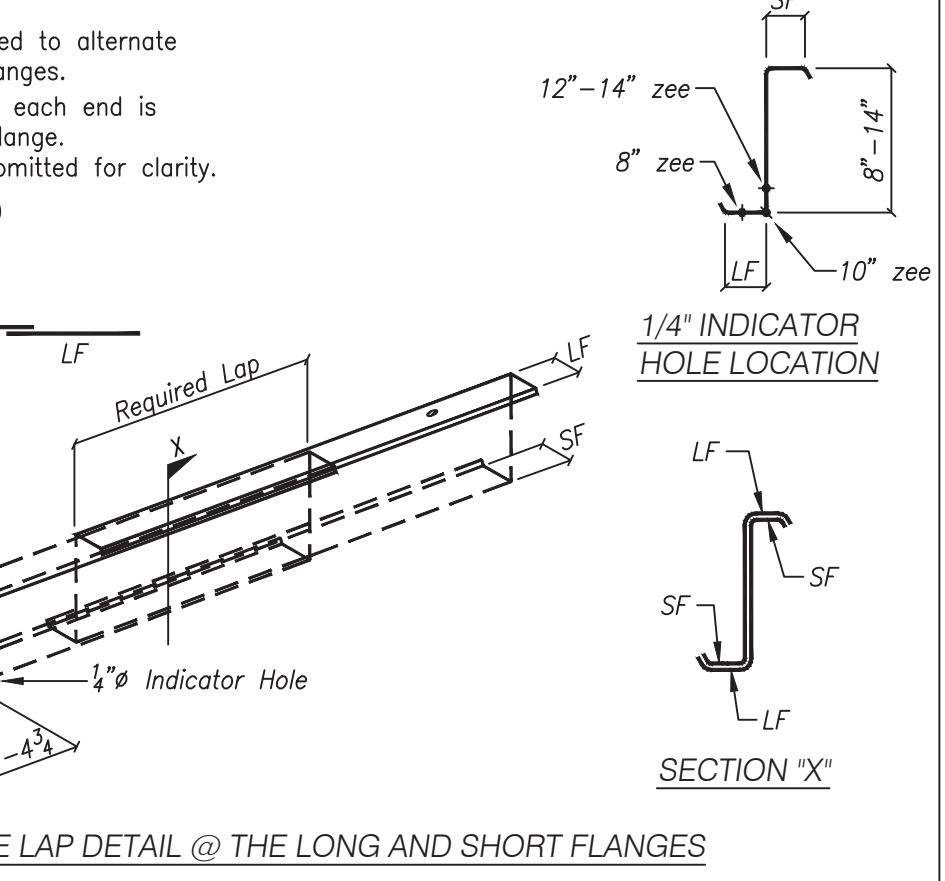
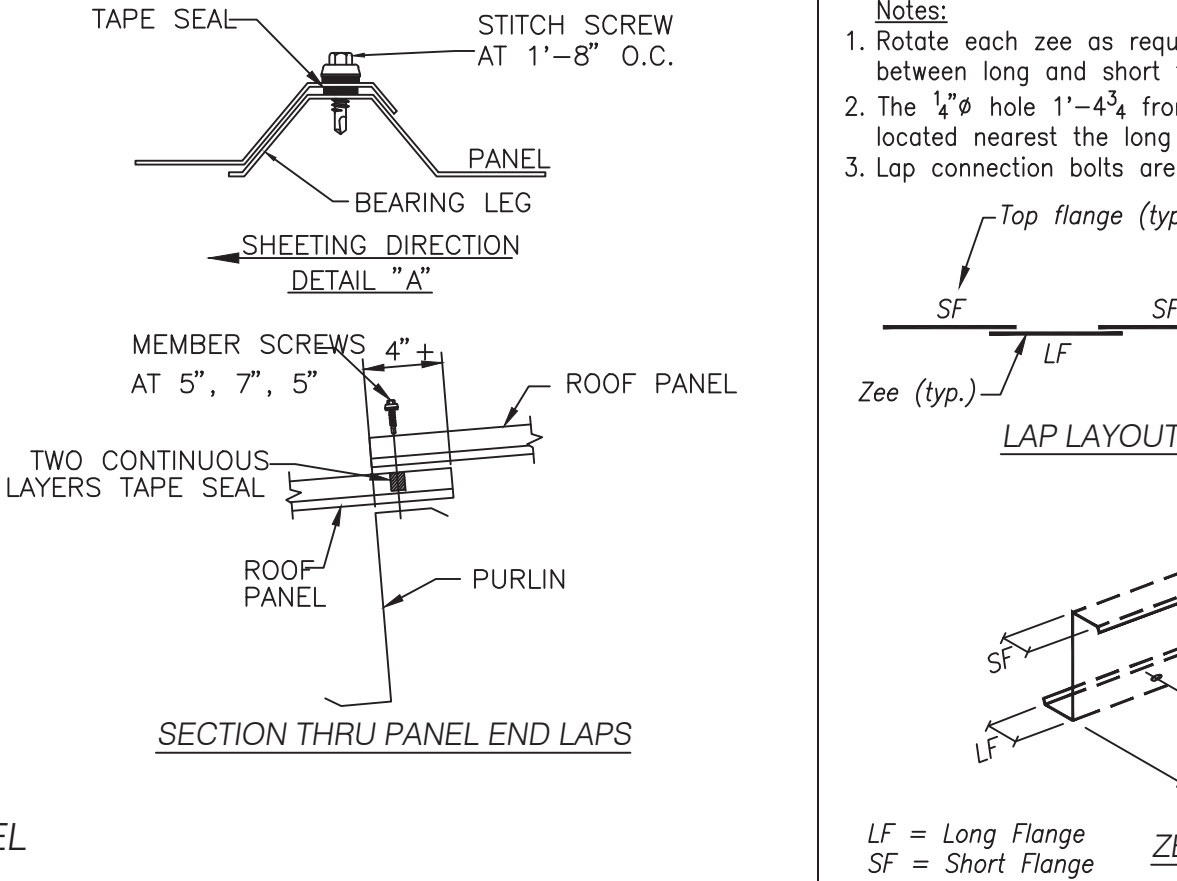
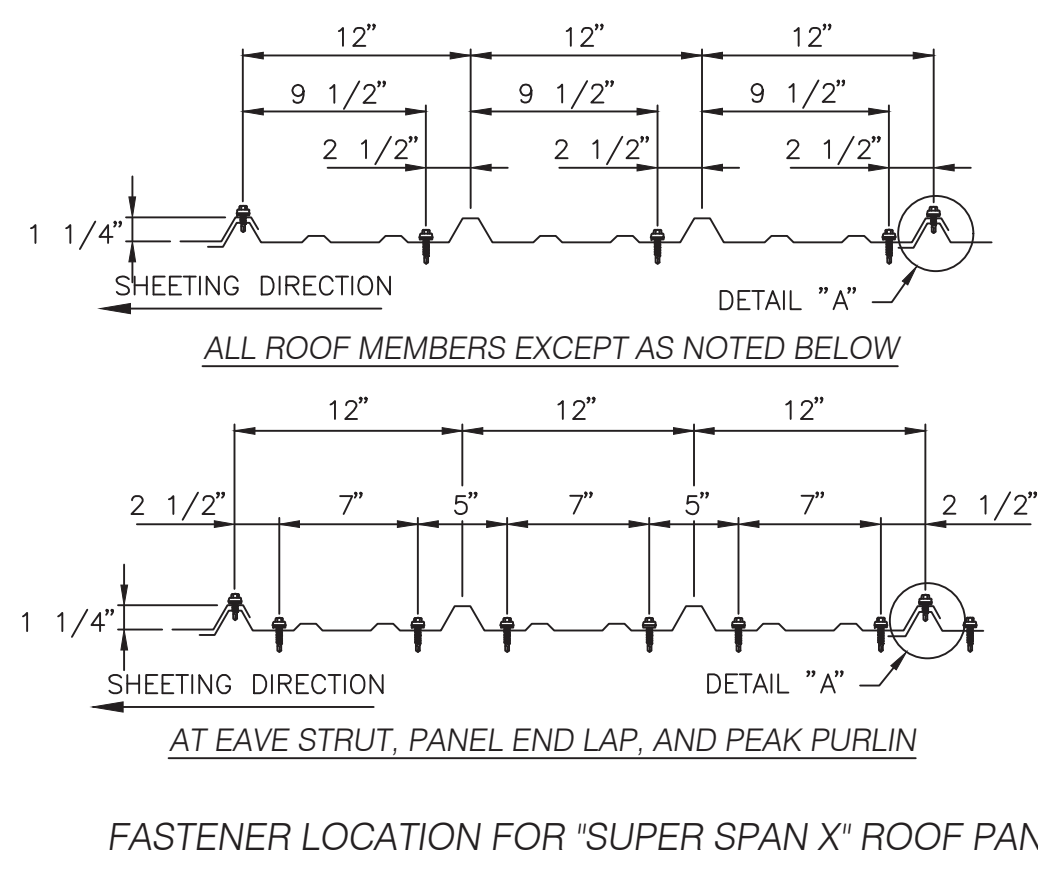
STANDARD DETAIL @ BLANKET INSULATION



ACCEPTABLE CONNECTIONS FOR ALL COLLATERAL LOADS FOR HANGER ATTACHMENT

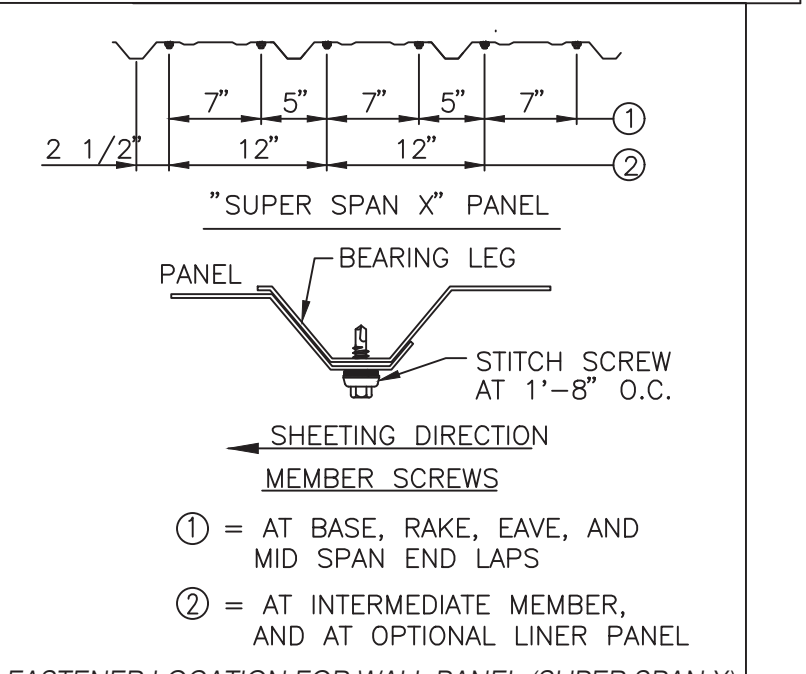
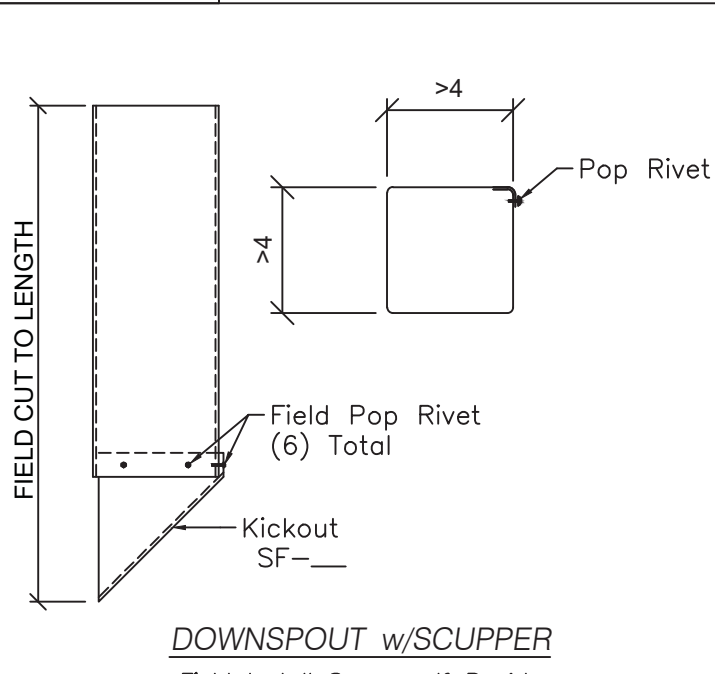
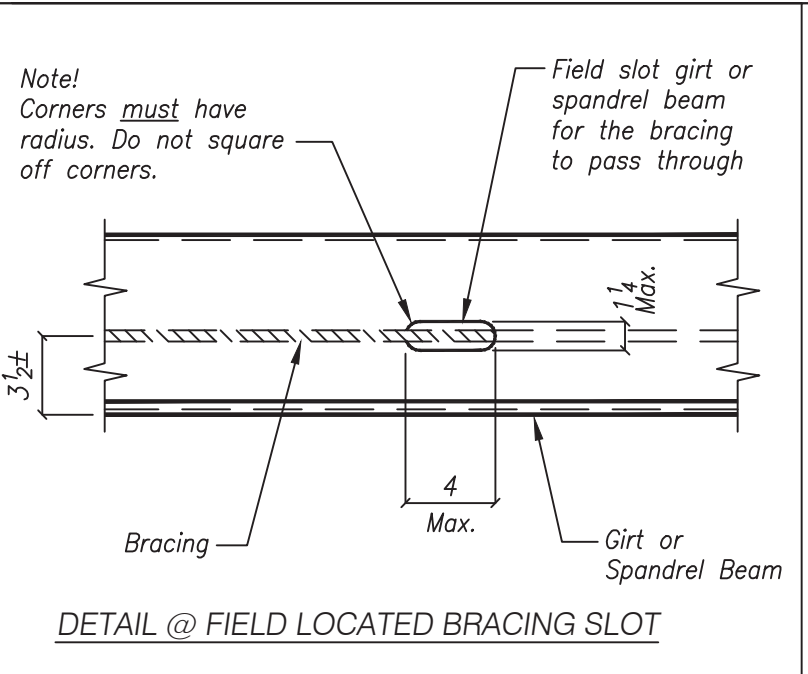


- Note: Flange braces may be on one or both sides. See frame cross-section for locations.
- 1/4-14 x 1-1/4" HWH TOP2 5/16" HEAD SELF-DRILLER NO SEALING WASHER - ZINC-PLATED
 - 1/4-14 x 1-1/4" HWH SHOULDERED TOP3 5/16" HEAD SELF-DRILLER - NO SEALING WASHER - ZINC-PLATED
 - #12 x 1" PANCAKE HEAD SDS QUADREX DRIVE, ZINC-PLATED
- NOTES:
Seating Torque: 30 - 60 in-lbs
Recommended Driving Tool:
1800 RPM screw gun with depth sensing nosepiece to prevent overdriving and stripout
- STANDARD FASTENERS MISCELLANEOUS



BUILT-UP SECTION LEGEND

Flange Width (in inches)	Flange Thickness (in inches)	Web Thickness (in inches)
5 = 5	3 = 3/8	8 = 1/2
6 = 6	4 = 1/4	0 = 5/8
8 = 8	5 = 5/8	2 = 8ga.
0 = 10	6 = 3/8	3 = 3/8
2 = 12		4 = 1/4
		6 = 3/8

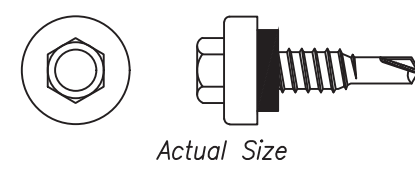
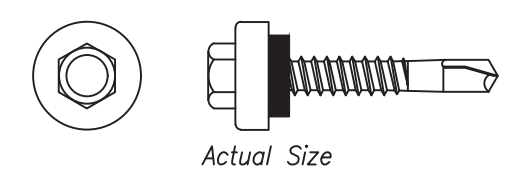


Description: 12-14 x 1 1/4 Hex Head Undercut (#12 x 1 1/4 Long-#3 Long Pilot Point Self-Drilling Life S.D.S.) Long-Life Zinc Die Cast Head

Seating Torque: 30 to 60 in-lbs
Recommended Driving Tool: 1800 RPM electric screw gun with depth sensing nosepiece to prevent overdriving and stripout
Suggested Pre-Drill: None

Description: 1/4-14 x 7/8 Hex Head Undercut (#14 x 7/8 Long-Life #1 Point Self-Drilling Lap Lap-Tek S.D.S.) Long-Life Zinc Die Cast Head

Seating Torque: 30 to 60 in-lbs
Recommended Driving Tool: 1800 RPM electric screw gun with depth sensing nosepiece to prevent overdriving and stripout
Suggested Pre-Drill: None



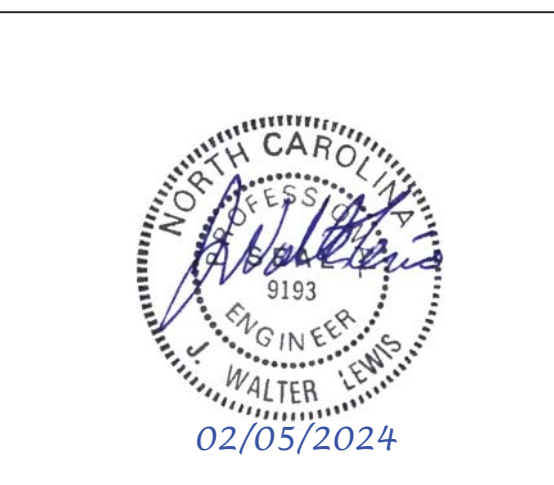
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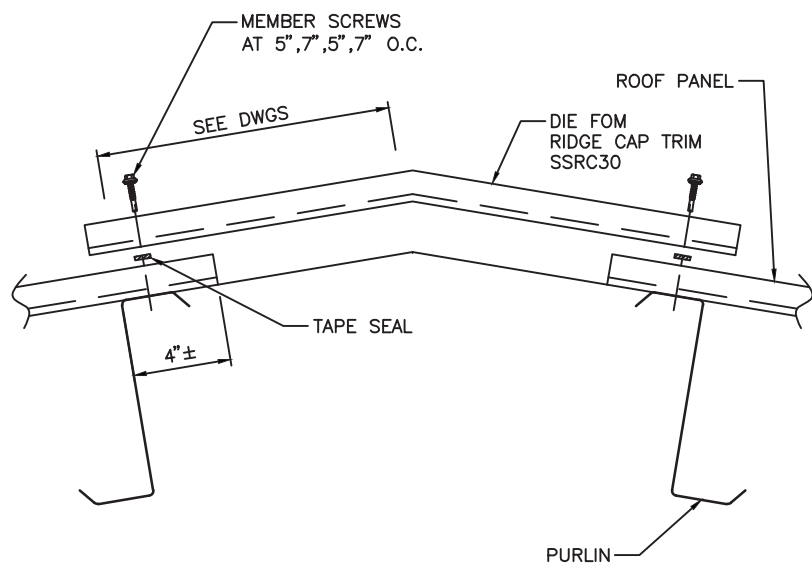


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						PROJECT REFERENCE: BAUCOM BUSINESS PLAZA	
						JOB SITE LOCATION: FUQUAY VARINA, NC 27526	JOB SITE COUNTY: WAKE
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						ISSUE: P1	



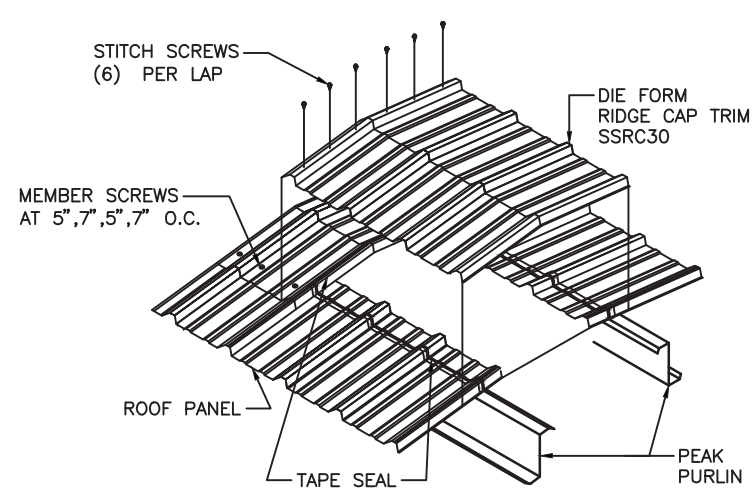
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INSULATION NOT BY METAL BUILDING PROVIDER

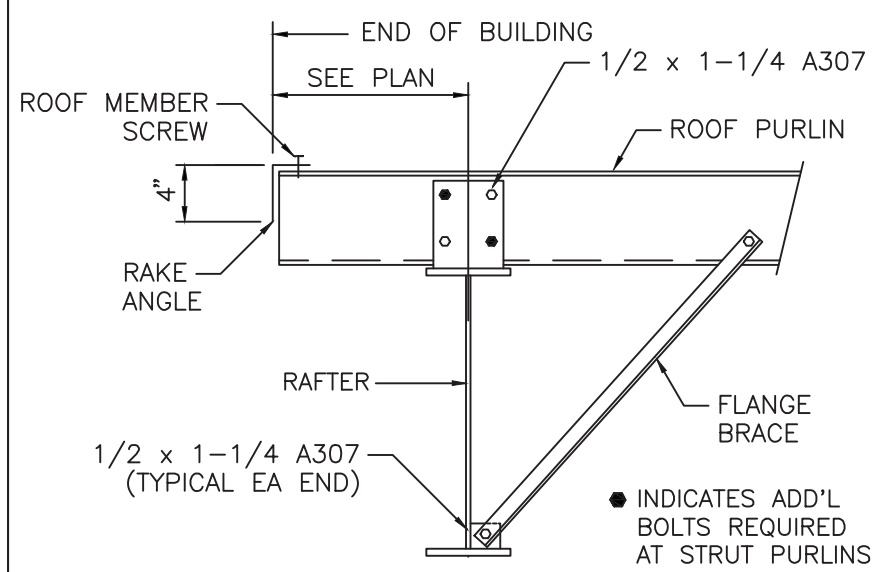


DIE FORM RIDGE CAP INSTALLATION (SUPER SPAN X)

INSULATION NOT BY METAL BUILDING PROVIDER

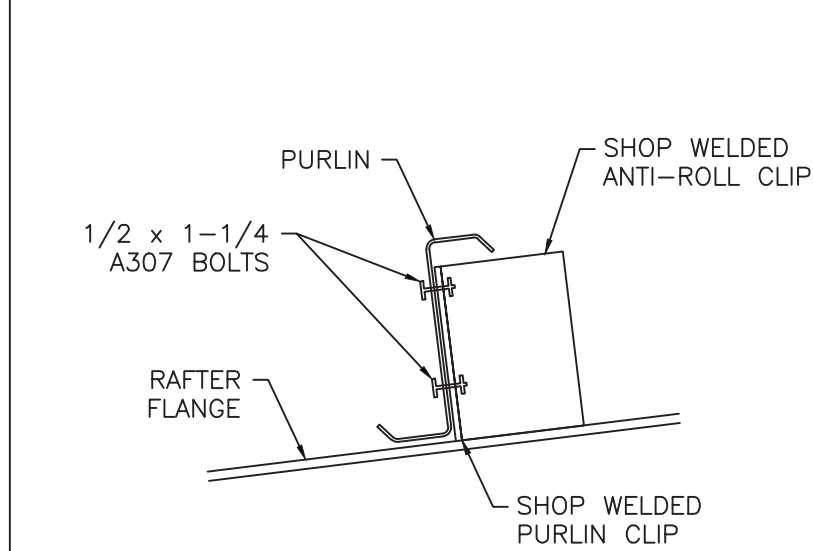


DIE FORME RIDGE CAP INSTALLATION (SUPER SPAN X)



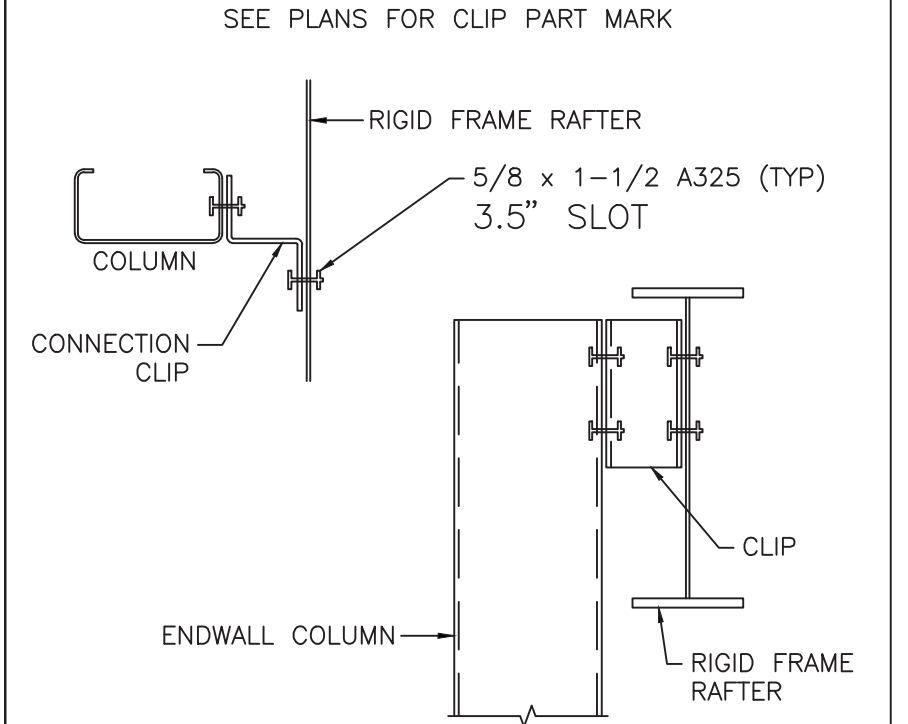
(2) 1/2 x 1-1/4 A307 REQUIRED AT STANDARD LAPS
(4) 1/2 x 1-1/4 A307 REQUIRED AT STRUT MEMBERS
A STRUT PURLIN IS A PURLIN LOCATED AT THE BRACE POINTS. SEE PLANS FOR EXCEPTION TO SIZE & QTY OF BOLTS.

A10 ROOF PURLIN CONNECTION AT MAIN FRAME ENDWALL

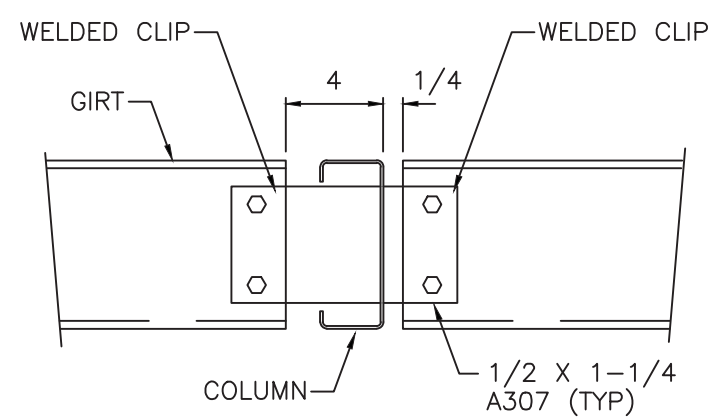


SOME PURLIN CLIPS WILL HAVE AN ADDITIONAL ANTI-ROLL CLIP ATTACHED. THE QUANTITY AND SPACING OF THESE CLIPS IS DETERMINED BY THE DESIGN FOR EACH SPECIFIC BUILDING.

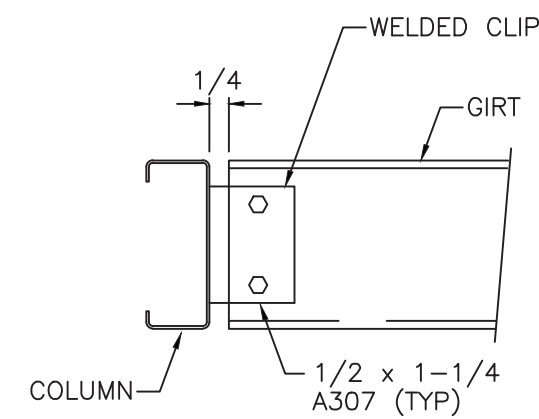
ANTI DETAIL AT ANTI-ROLL CLIP



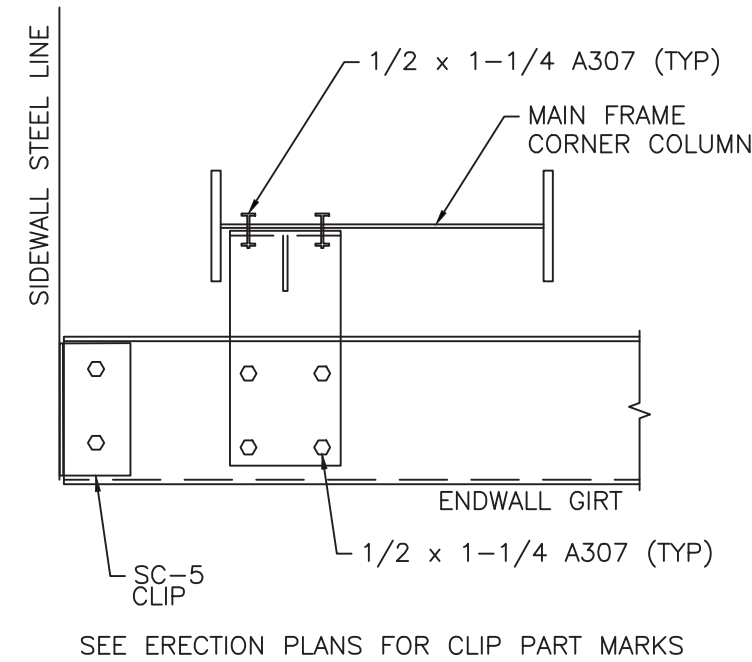
B32 CEE COLUMN TO RIGID FRAME RAFTER



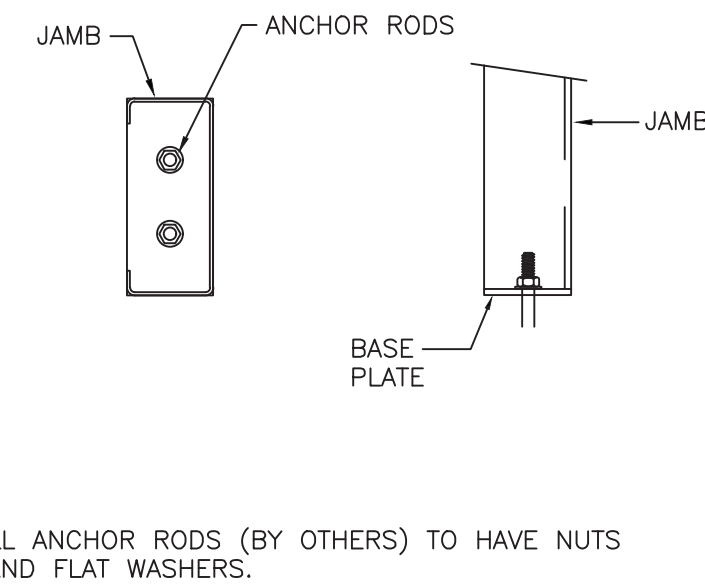
C4 GIRT TO COLUMN



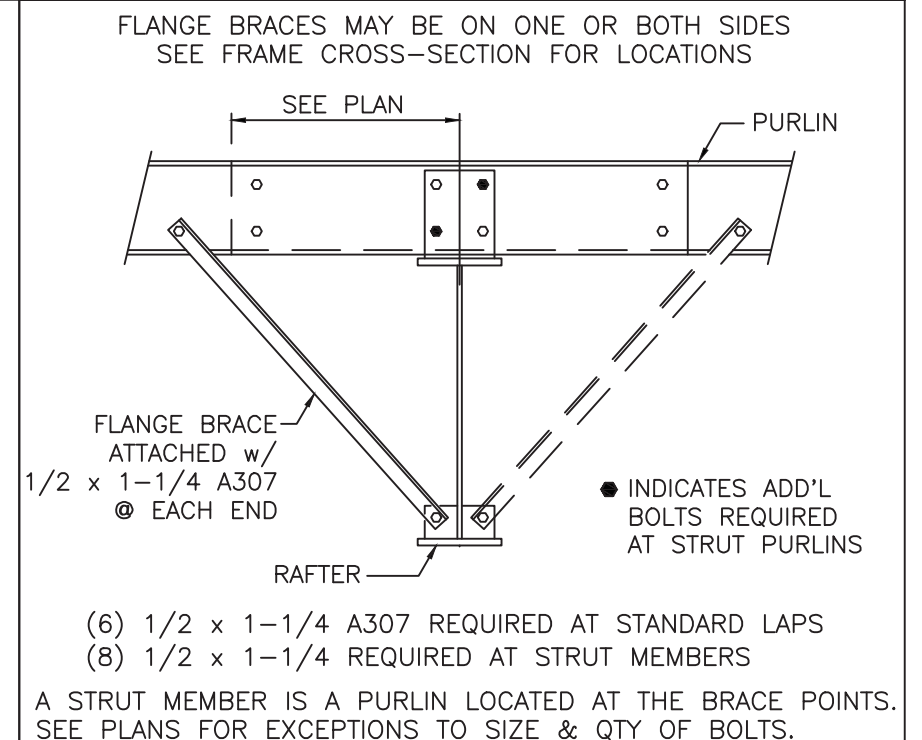
C13 GIRT/HEADER TO CEE COLUMN



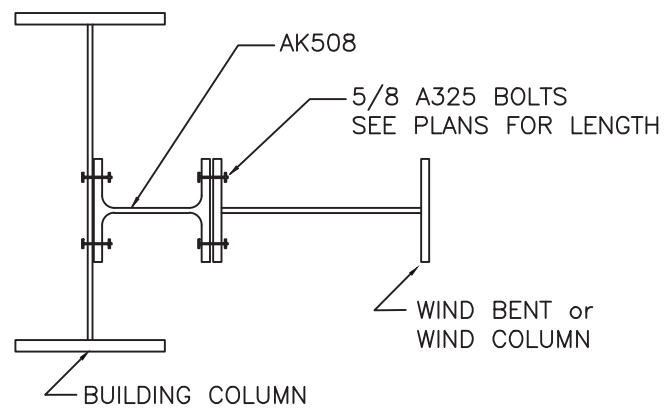
D27 GIRT CONNECTION AT CORNER SW & EW GIRTS AT DIFFERENT ELEV.



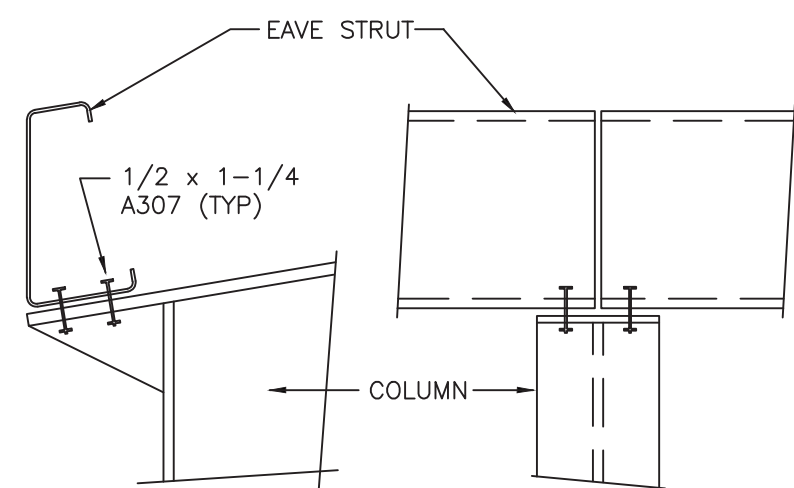
E5 BASE PLATE FOR DOOR JAMB



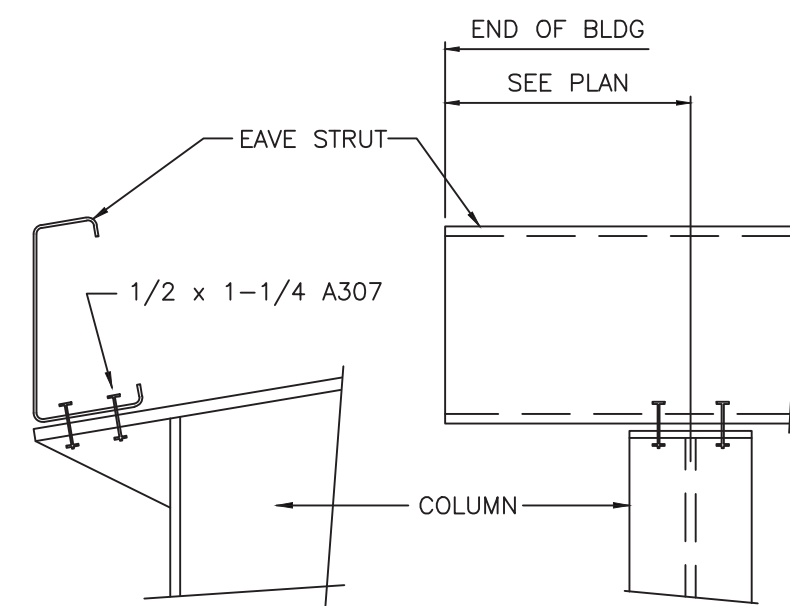
G2 ROOF PURLIN TO INTERIOR FRAME RAFTER



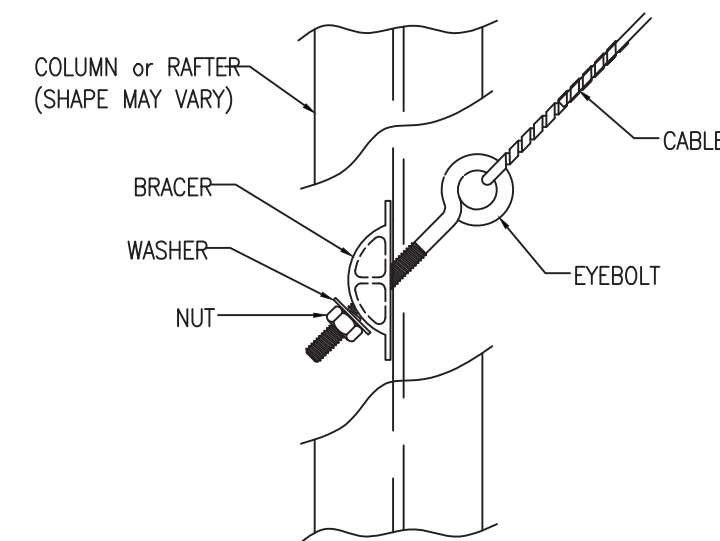
H10 WIND BENT OR WIND COLUMN TO BUILDING COLUMN



J2 EAVE STRUT TO RIGID FRAME



J24 EAVE STRUT TO RIGID FRAME



CABLE SIZE	BRACER	WASHER	NUT
1/4"	BRACER #1	F844 1/2"	A563 1/2"
5/16"	BRACER #1	F844 1/2"	A563 1/2"
3/8"	BRACER #2	F844 3/4"	A563 3/4"
1/2"	BRACER #2	F844 3/4"	A563 3/4"

Q2 DIAGONAL CABLE BRACING INSTALLATION



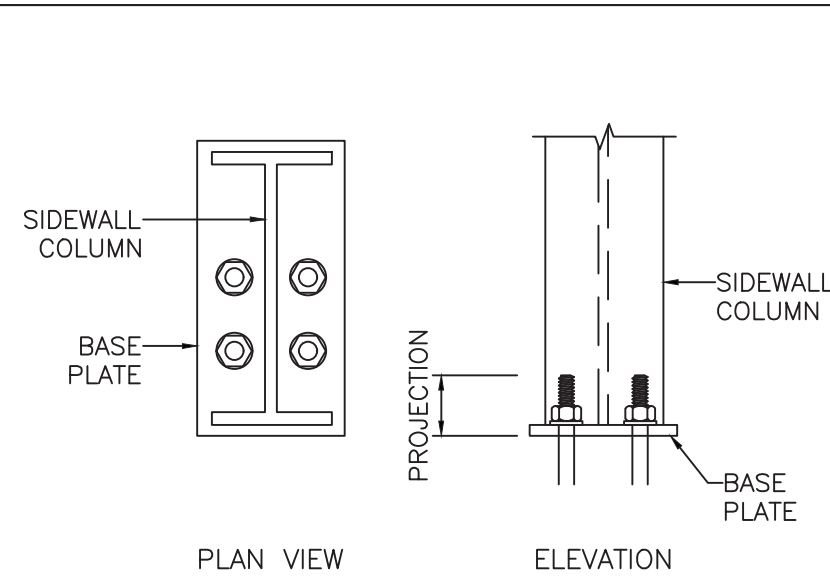
02/05/2024

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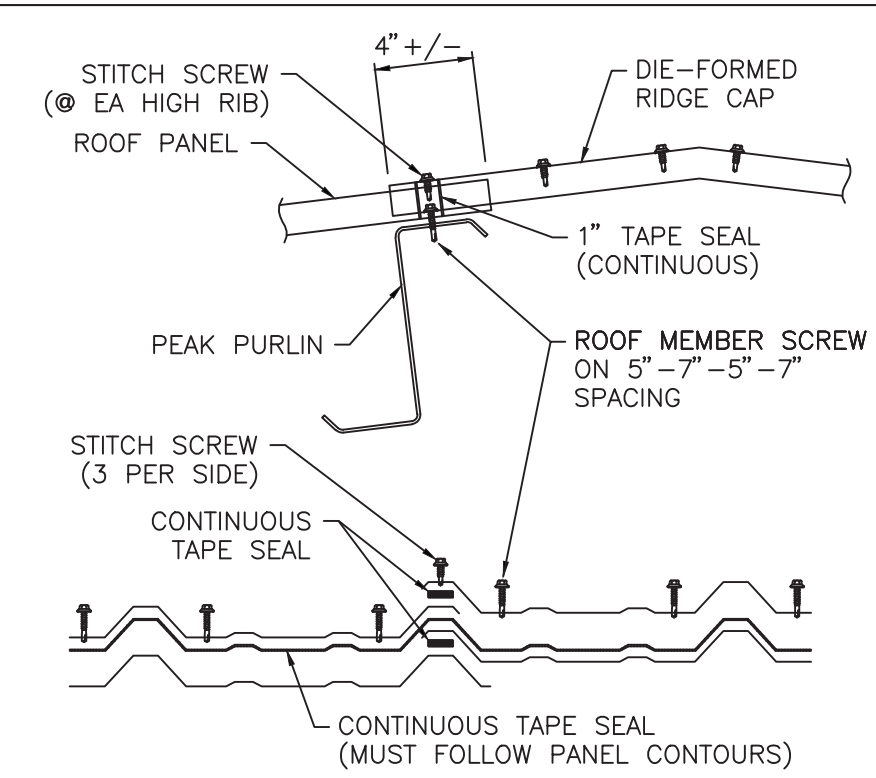


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						PROJECT REFERENCE:	
						BAUJCOM BUSINESS PLAZA	
						JOB SITE LOCATION:	JOB SITE COUNTY:
						FUQUAY VARINA, NC 27526	WAKE
						DWN:	WAKE
						PND	PNC
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						12252-33816	D2
						ISSUE:	P1

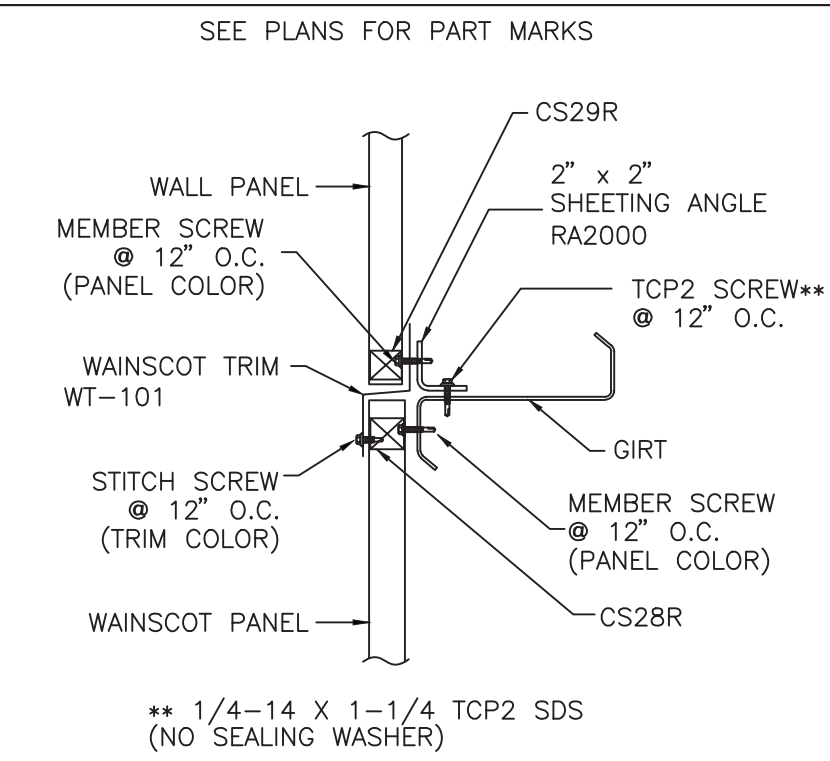


- ALL ANCHOR RODS (BY OTHERS) TO HAVE NUTS AND FLAT WASHERS.
 - SEE BOLT SETTING PLAN FOR ACTUAL BOLT QTY.

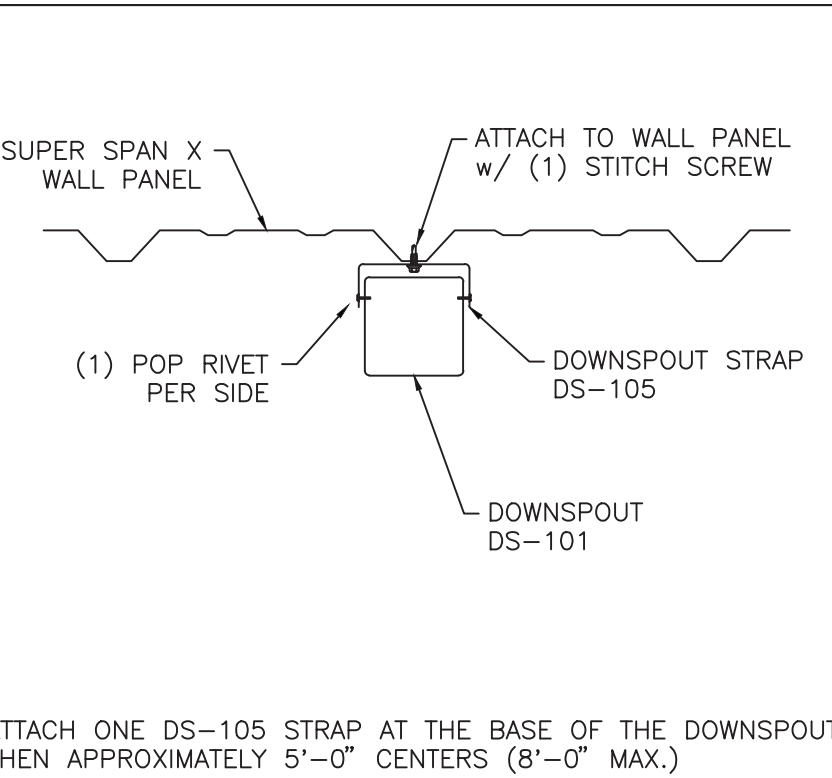
R2 ANCHOR RODS AT SIDEWALL COLUMN



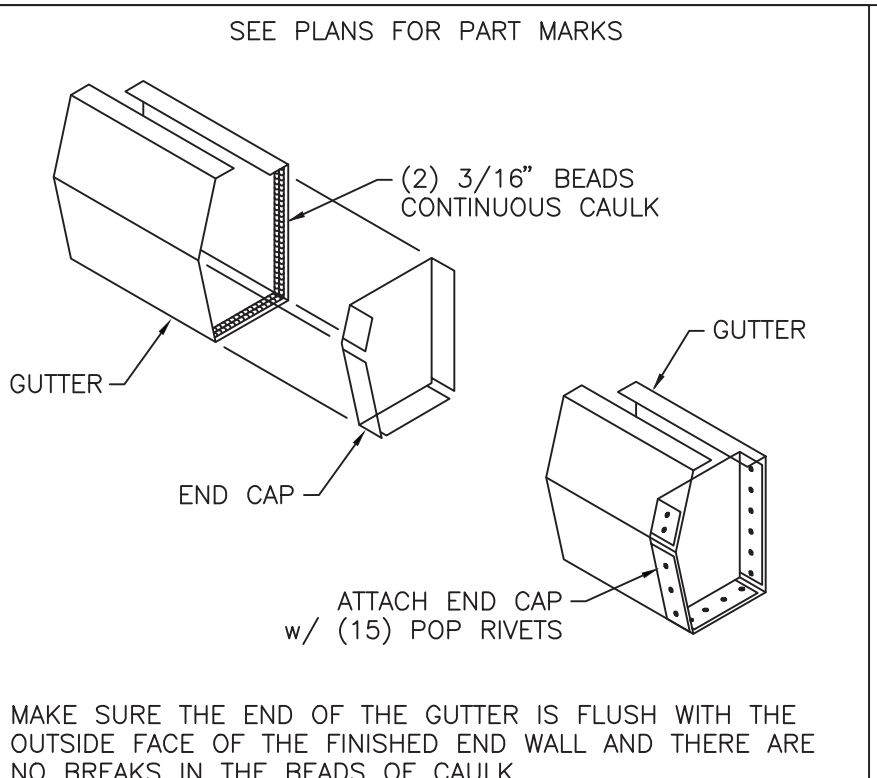
SCREW_8 TYPICAL DIE-FORMED RIDGECAP ENDLAP - SUPER SPAN X ROOF



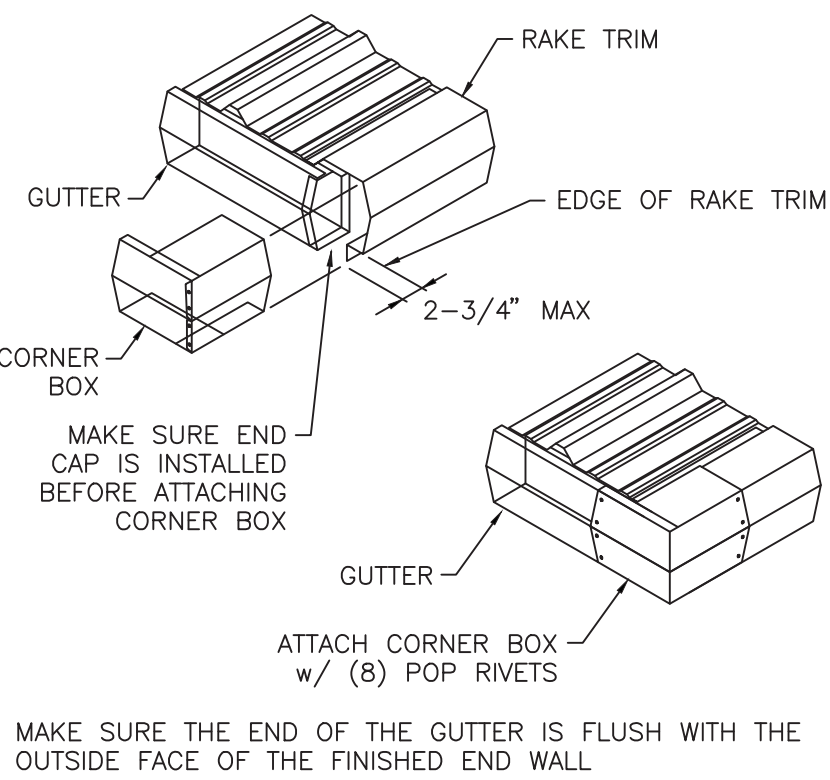
T18 SECTION THRU WAINSCOT TRANSITION PANELS NOT LAPPED



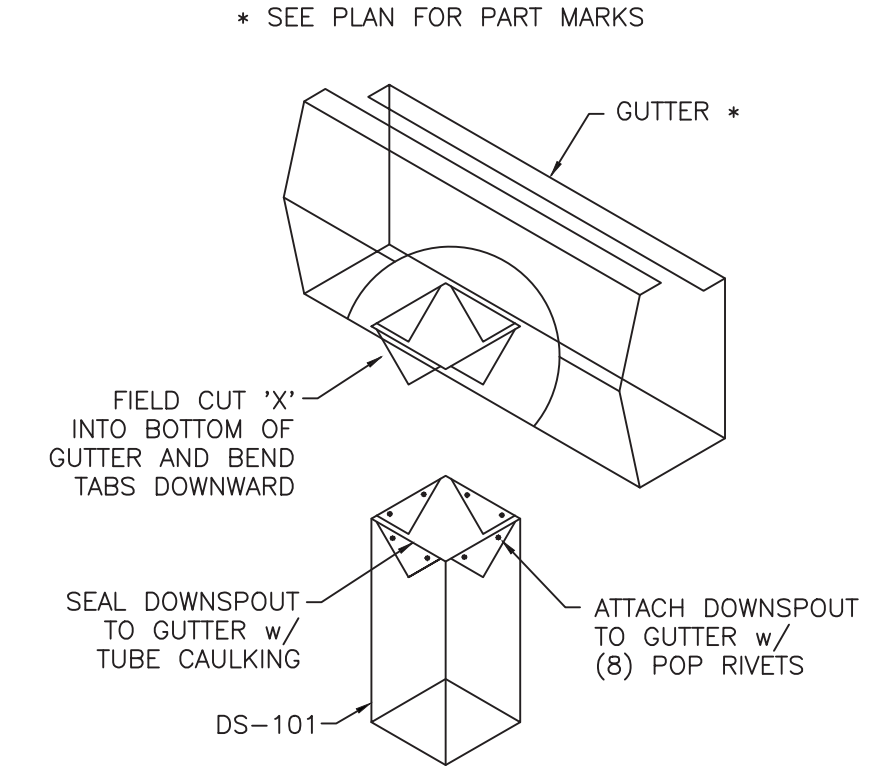
TRIM_7 DOWNSPOUT STRAP ATTACHMENT



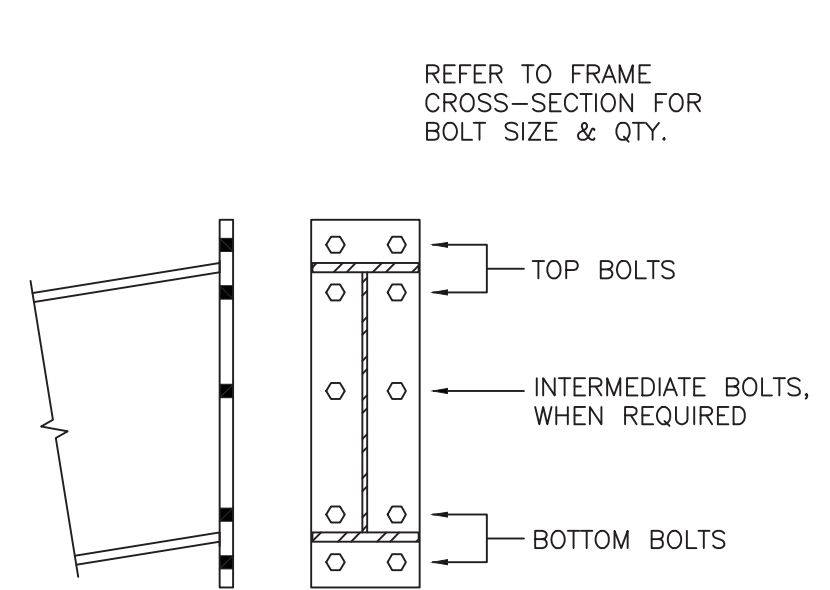
TRIM_9 GUTTER END CAP ATTACHMENT



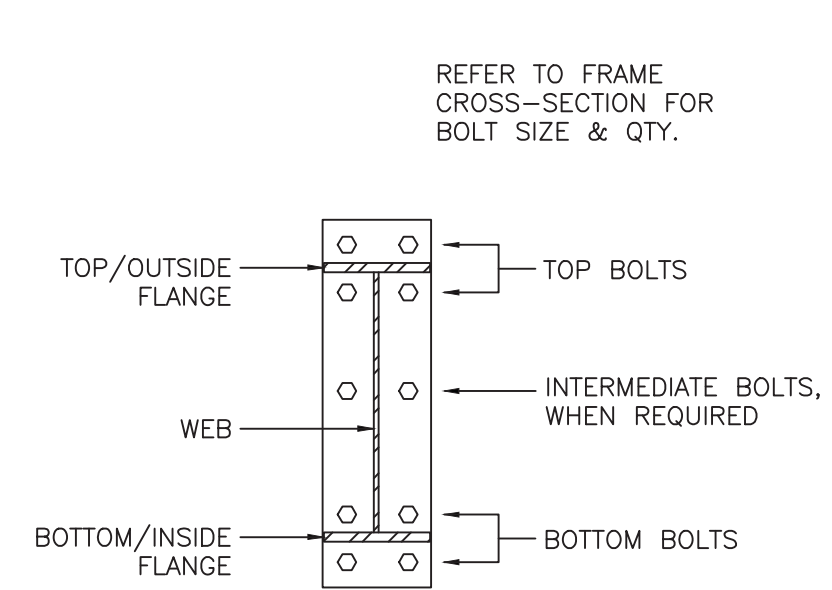
TRIM_10 CORNER BOX ATTACHMENT



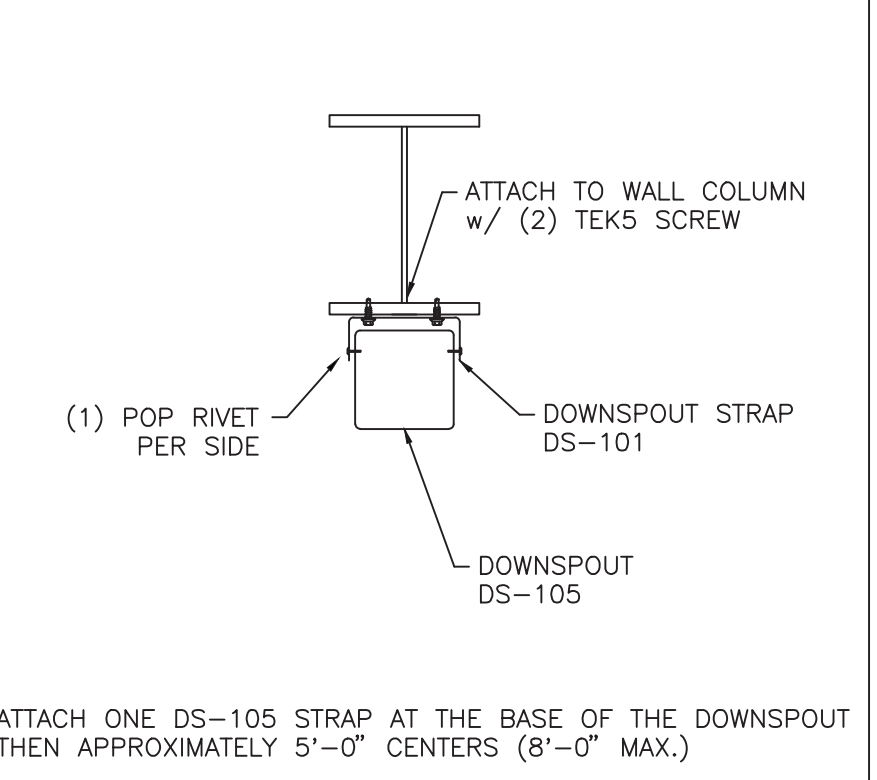
TRIM_11 DOWNSPOUT ATTACHMENT @ GUTTER



U2 BOLTED END PLATE CONNECTION AT BUILDING PEAK



U3 BOLTS FOR RAFTER TO COLUMN CONNECTION

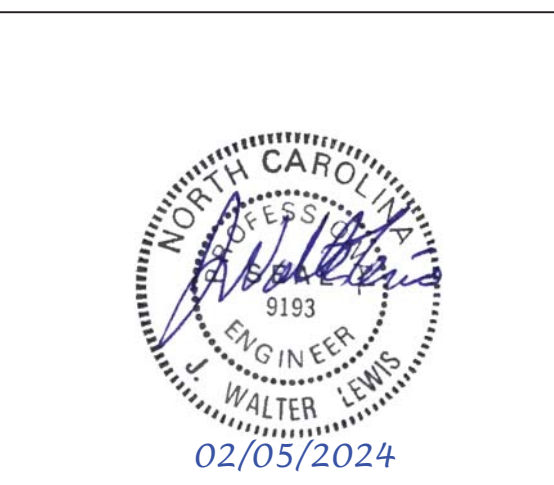


TRIM_8 DOWNSPOUT STRAP ATTACHMENT

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					DWN: PND	WAKE
					CHK: PNC	
					DATE: 01.30.24	
					ENG: NPK	
					JOB NO: 12252-33816	
					DWG NO: D3	
					ISSUE: P1	



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