

ERECTION NOTES

1. 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).
2. 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).
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).
4. 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.
- 4.1. 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.
5. 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;
- 5.1. 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.
- 5.2. 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.
6. All documentation and records shall be the responsibility of the customer.
7. 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.
8. 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.
9. 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).
10. The Metal Building Provider Field Modifications Policy:
- 10.1. 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.
- 10.2. 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.
- 10.3. 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.
11. 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

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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).
7. 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.
8. 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.
9. 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.
10. 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

1. 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.
2. 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.
3. 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)
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.
5. 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.
6. Unless noted otherwise, all bolted connections are designed as bearing type connections with bolt threads not excluded from the shear plane.
7. 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
Hot-rolled version: AISC 360-10
Cold-formed version: ANSI S100-12

GENERAL LOADS

Dead Load: 2.00 psf
Roof Collateral Load: 1.00 psf (Misc.)
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: 76 mph
Exposure Factor: B
Wind Condition: Enclosed
Internal Pressure Coefficient : +/- 0.18

SNOW LOAD

Ground Snow Load : 15.00 psf (No data, ground snow load provided by Building End User)
Roof Snow Load : 10.50 psf
Importance Factor: 1.00
Exposure Factor: 1.00
Thermal Factor: 1.00
Slope Factor: 1.00

DEFLECTION CRITERIA

Endwall Columns: H/120
Endwall Rafters (Live): L/180
Endwall Rafters (Wind): L/180
Wall Girts: L/90
Roof Purlins (Live): L/180
Roof Purlins (Wind): L/180
Wall Panels: L/60
Roof Panels (Live): L/60
Roof Panels (Wind): L/60
Rigid Frames (Horz): H/60
Rigid Frames (Live): L/180
Rigid Frames (Wind): L/180
Rigid Frames (Seismic): L/50
Rigid Frames (Crane): L/100
Wind Framing (Wind): L/60
Wind Framing (Seismic): L/50
Roof Purlins (Total): L/120
Endwall Rafters (Total): L/120
Rigid Frames (Total): L/120

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(s) : 3.0 1.25
Response Modification Factor(s) : 3.0 1.25
Sesimic Response Coefficient(s) (Cs): 0.0623 0.0623
Design Base Shear V : 1.48 1.47
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, specification.

TRIM COLOR:
SHADOW RAKE: SMP Steel Gray GAUGE: 26
SHADOW EAVE: SMP Steel Gray GAUGE: 26
CORNER: SMP Steel Gray GAUGE: 26
ACCESSORY: SMP Steel Gray GAUGE: 26
BASE TRIM: SMP Steel Gray GAUGE: 26
WAINSCOT TRIM: SMP Steel Gray GAUGE: 26

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- ☐ FOR ERECTOR INSTALLATION:
Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC	COVER SHEET	50'-0" X 70'-0" X 16'-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: CWC DATE: 08.07.26	ENG: KEA JOB NO: 16167-40530
					PND	DWG NO: C1 ISSUE: P1

APPROVAL SPECIFICATIONS

1. 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.
2. 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.
3. 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.
4. It is the responsibility of the customer to field verify all existing conditions prior to fabrication.
5. It is imperative that any changes to these drawings:
- 5.1. Be made in contrasting ink.
- 5.2. Be legible and unambiguous.
- 5.3. Have all instances of changes clearly indicated.
6. 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.
7. 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.
8. 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.
9. 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	08.07.26	COVER SHEET
F1	O	08.07.26	ANCHOR BOLT PLAN
F2	O	08.07.26	ANCHOR BOLT DETAILS
F3	O	08.07.26	ANCHOR BOLT REACTIONS
P1	P1	08.07.26	RIGID FRAME ELEVATION
P2	P1	08.07.26	RIGID FRAME ELEVATION
E1	P1	08.07.26	ROOF FRAMING PLAN
E2	P1	08.07.26	ROOF SHEETING PLAN
E3	P1	08.07.26	ENDWALL FRAME & SHEETING ELEVATION
E4	P1	08.07.26	ENDWALL FRAME & SHEETING ELEVATION
E5	P1	08.07.26	SIDEWALL FRAME & SHEETING ELEVATION
E6	P1	08.07.26	SIDEWALL FRAME & SHEETING ELEVATION
E7	P1	08.07.26	BUILDING SECTIONS
D1	P1	08.07.26	STANDARD DETAILS PAGE
D2	P1	08.07.26	STANDARD DETAILS PAGE
D3	P1	08.07.26	STANDARD DETAILS PAGE
D4	P1	08.07.26	STANDARD DETAILS PAGE

X-Bracing is to be installed to a taut condition with all slack removed. do not tighten beyond this state.

Framed openings, walk doors, and open areas shall be located in the bay and elevation as shown in the erection drawings. The cutting or removal of girts shown on the erection drawings due to the addition and/or relocation of framed openings, walk doors, or open areas not shown may void the design certifications supplied by the metal building manufacturer.

This metal building system is designed as enclosed for building-a. all exterior components not by the metal building manufacturer (i.e. doors, windows, vents, etc.) must be designed to withstand the specified wind loading for the design of components and cladding in accordance with the specified building code. Doors are to be closed when a maximum of 50% of design wind velocity is reached.

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

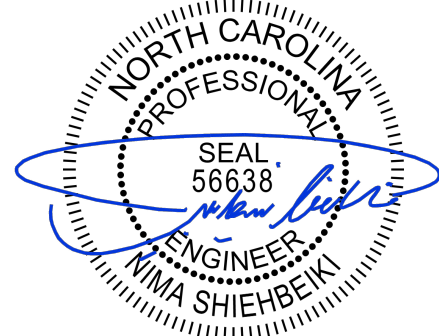
The jobsite is located in a hurricane prone region with wind speeds of 117 mph or greater. To maintain the enclosed building classification and design for wind, all overhead or roll-up type doors, personnel doors, and windows provided by others shall be designed to be impact resistant or covered by impact resistant materials. The buyer's design professional, not the metal building manufacturer's engineer, is responsible for determining the adequacy of material acting as the impact resistant covering by others and attachment of such to the material provided by the building manufacturer. This structure has not been designed to withstand the additional internal pressure required by code as a partially enclosed condition in the absence of impact resistant coverings.

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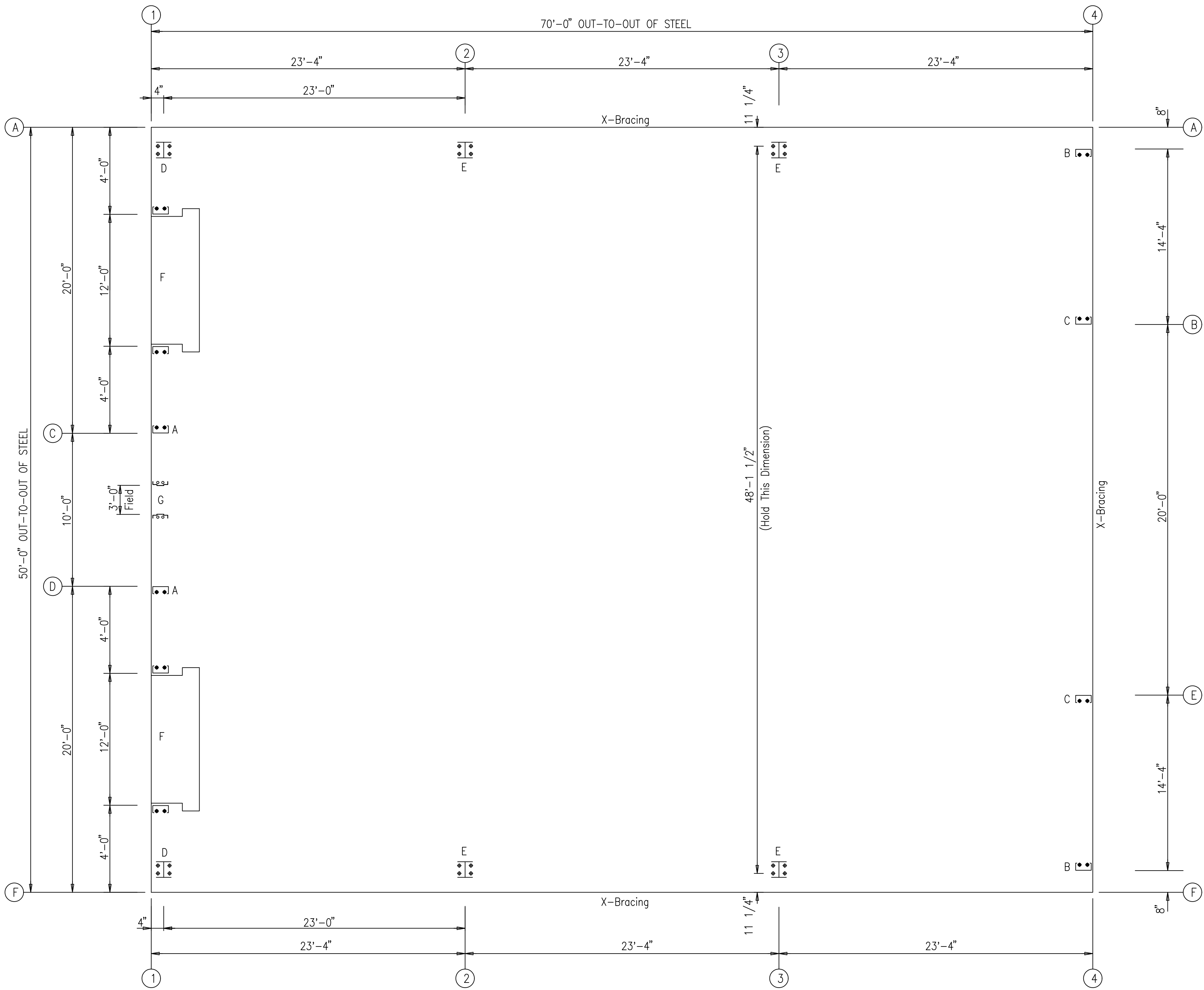


The Engineer whose seal and signature appear on these documents represents Whirlwind Steel Buildings, Inc., and is not the Engineer of Record for the overall project. The Engineer's responsibility is limited to material designed and manufactured by Whirlwind Steel Buildings, Inc., and excludes part such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

○ Dia= 1/2"

● Dia= 5/8"

⊕ Dia= 3/4"



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

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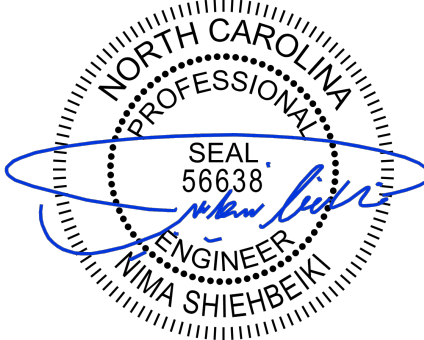
SHEET DESCRIPTION: ANCHOR BOLT PLAN				BLDG SIZE: 50'-0" X 70'-0" X 16'-0"			
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PROJECT REFERENCE: BAUCOM BUSINESS PLAZA							
JOBSITE LOCATION: FUQUAY VARINA, NC. 27526				JOBSITE COUNTY: WAKE			
DWN: PND	CHK: PNC	DATE: 08.07.26	ENG: KEA	JOB NO: 16167-40530	WAKE	DWG NO: F1	ISSUE: 0

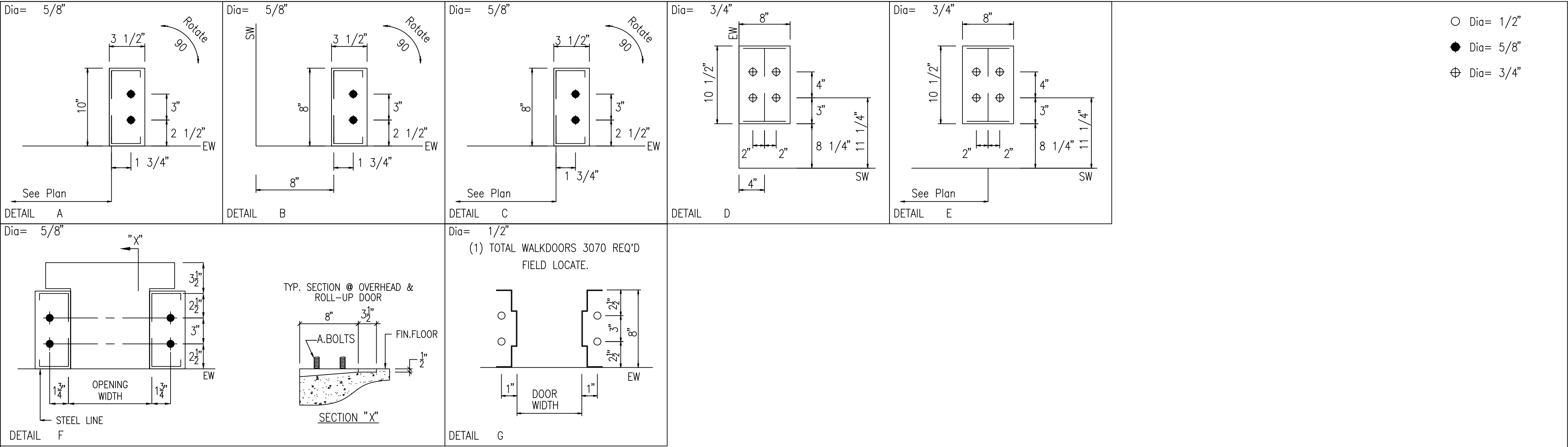
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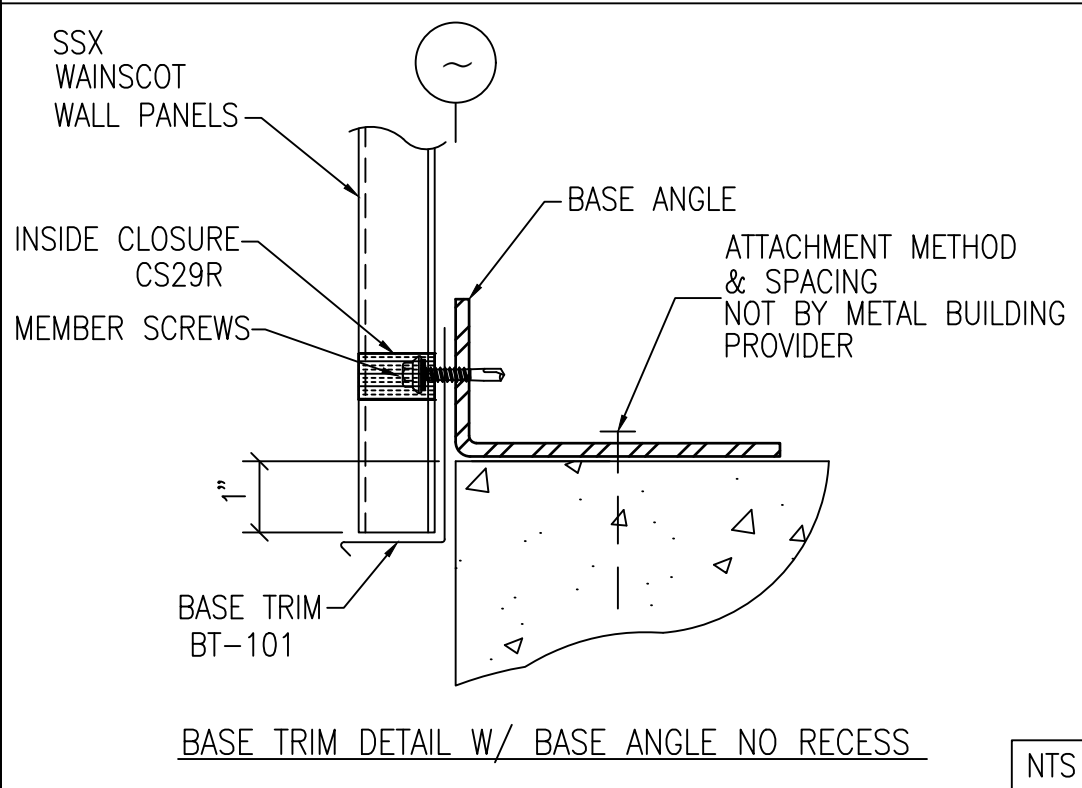




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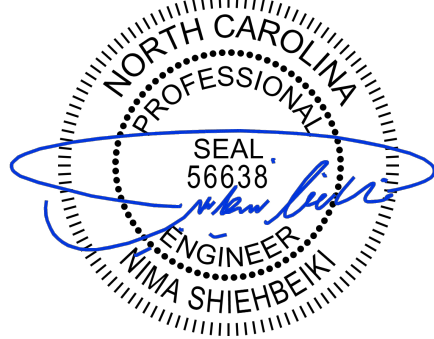


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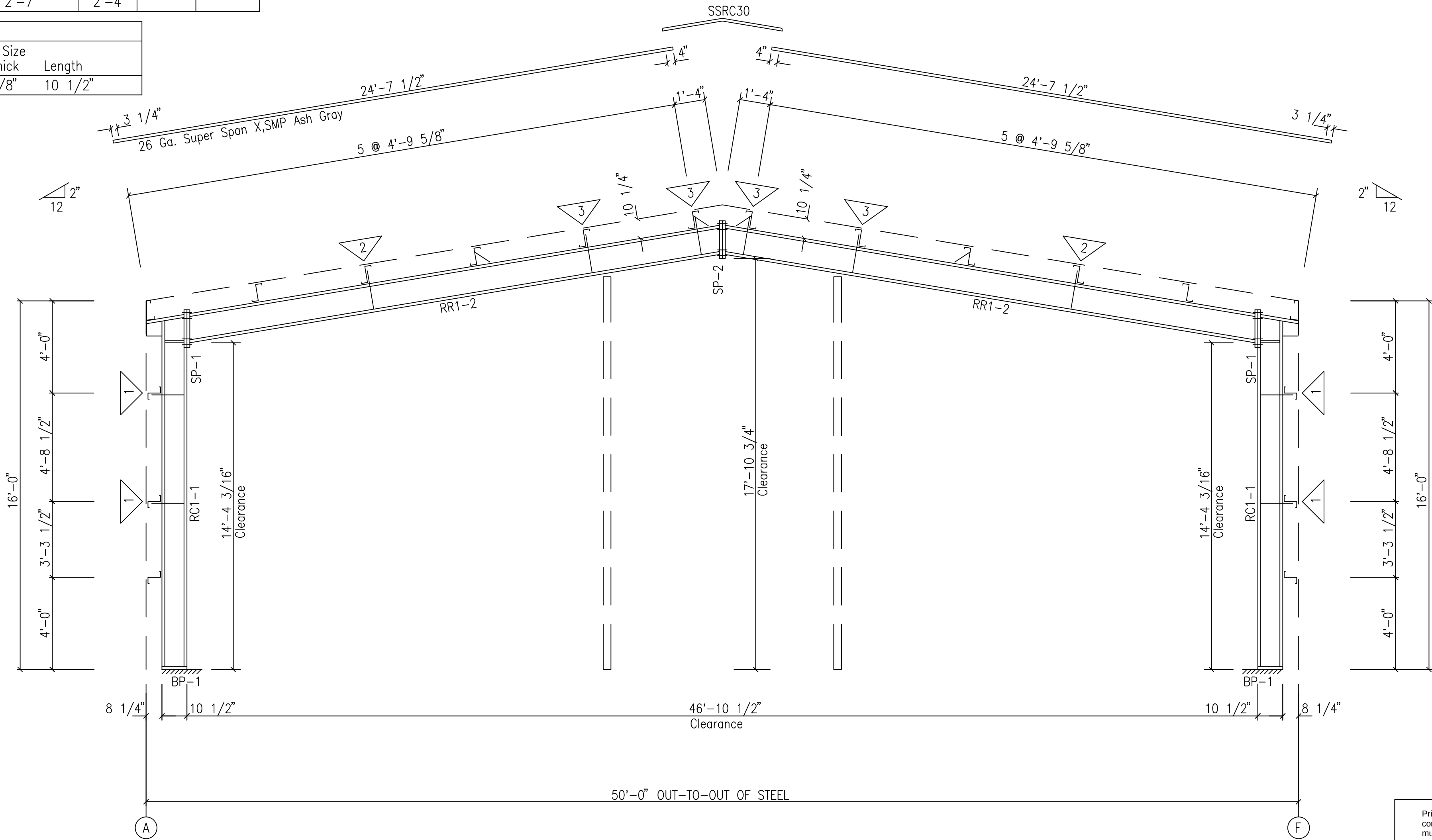


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					DATE: 08.07.26	ENG: KEA
						JOB NO: 16167-40530
						DWG NO: F2
						ISSUE: 0

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"	1'-9"
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: 1						
▽ ID	# SIDES	MARK	LENGTH	OFFSET	DETAIL	CLIP
1	1	FB2A	2'-5 3/4"	2'-4"		
2	1	FB4A	2'-7"	2'-4"		
3	1	FB4C	2'-7"	2'-4"		

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



MEMBER TABLE				
Mark	Web Depth Start/End	Web Plate Thick	Outside Flange W x Thk	Inside Flange W x Thk
RC1-1	10.0/10.0	0.133	5 x 1/4"	5 x 1/4"
RR1-2	10.0/10.0	0.161	6 x 1/4"	5 x 1/4"
	12.0/12.0	0.133	5 x 1/4"	5 x 1/4"
	12.0/12.0	0.133	5 x 1/4"	5 x 1/4"

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

RIGID FRAME ELEVATION: FRAME LINE 1

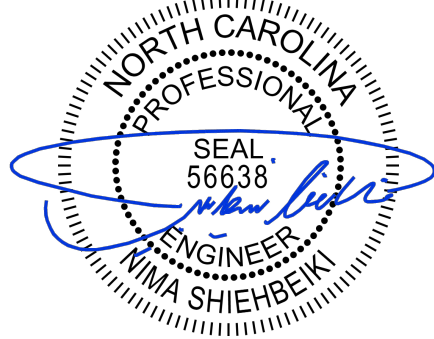
BOLT TIGHTENING (Snug-Tight)

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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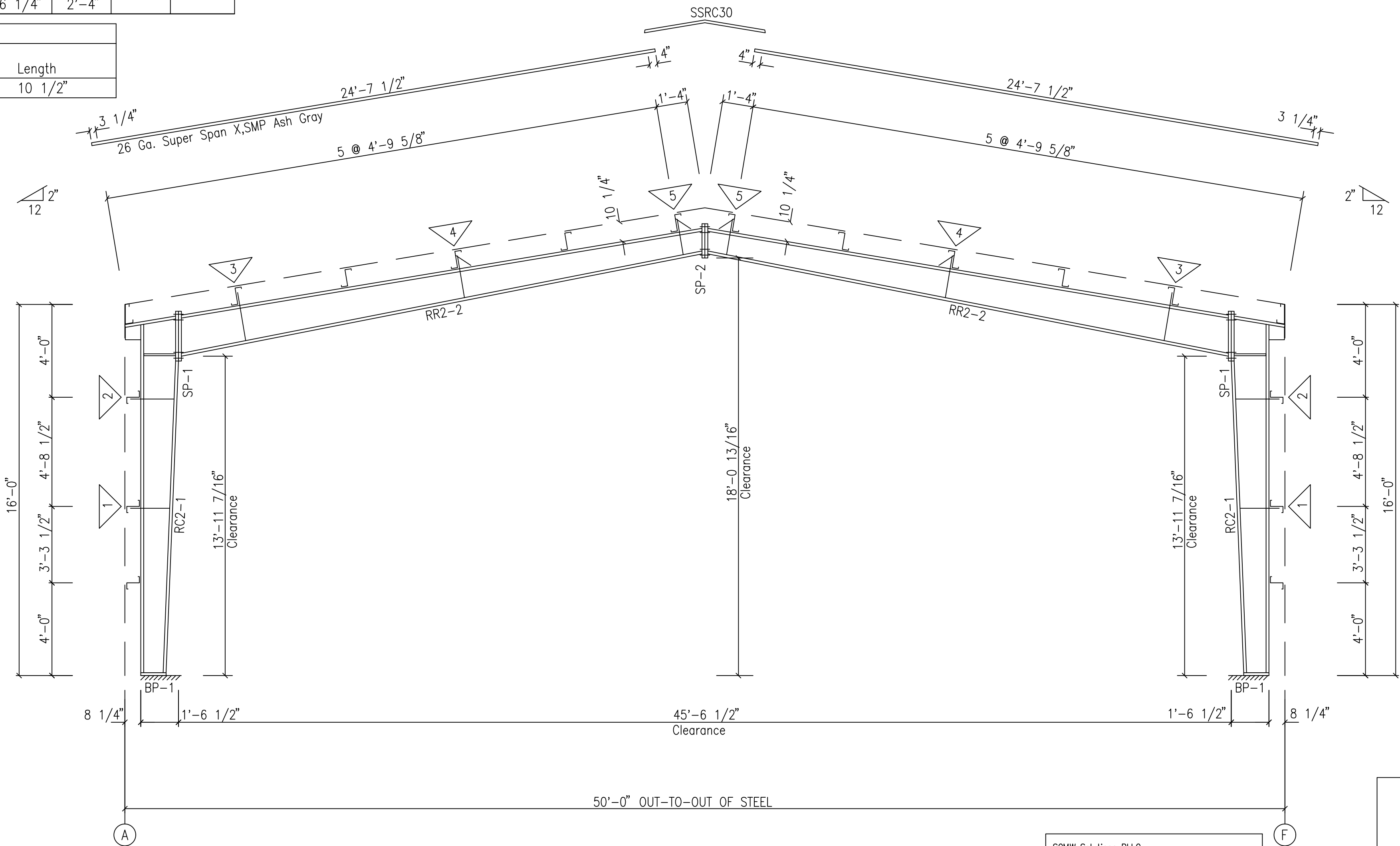
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SP-2	4	4	0	A325	3/4"	2"	6"	1/2"	1'-7"

FLANGE BRACE TABLE			
A=L2x2x14GA	B=L2x2x12GA	C=L2x2x1/8	D=L3x3x3/16
FRAME LINE:	2	3	

▽ ID	#	MARK	LENGTH	OFFSET	DETAIL	CLIP
1	1	FB5A	2'-7 5/8"	2'-4"		
2	1	FB7A	2'-9 1/8"	2'-4"		
3	1	FB8A	2'-9 5/8"	2'-4"		
4	1	FB6A	2'-7 3/4"	2'-4"		
5	1	FB3A	2'-6 1/4"	2'-4"		

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



RIGID FRAME ELEVATION: FRAME LINE 2 3

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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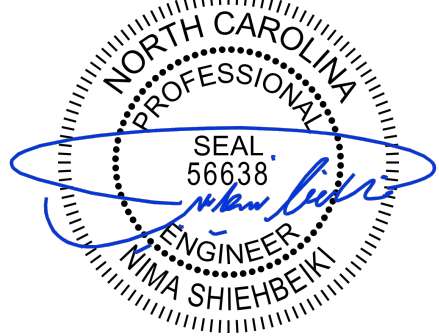


ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC	RIGID FRAME ELEVATION	50'-0" x 70'-0" x 16'-0"
					CUSTOMER: BAUCOM BUSINESS PLAZA	CUSTOMER LOCATION: FUQUAY VARINA, NC. 27526
					PROJECT REFERENCE: BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION: FUQUAY VARINA, NC. 27526	JOB SITE COUNTY: WAKE
					DWN: PND	CHK: PNC
					DATE: 08.07.26	ENG: KEA
					JOB NO: 16167-40530	DWG NO: P2
						ISSUE: P1

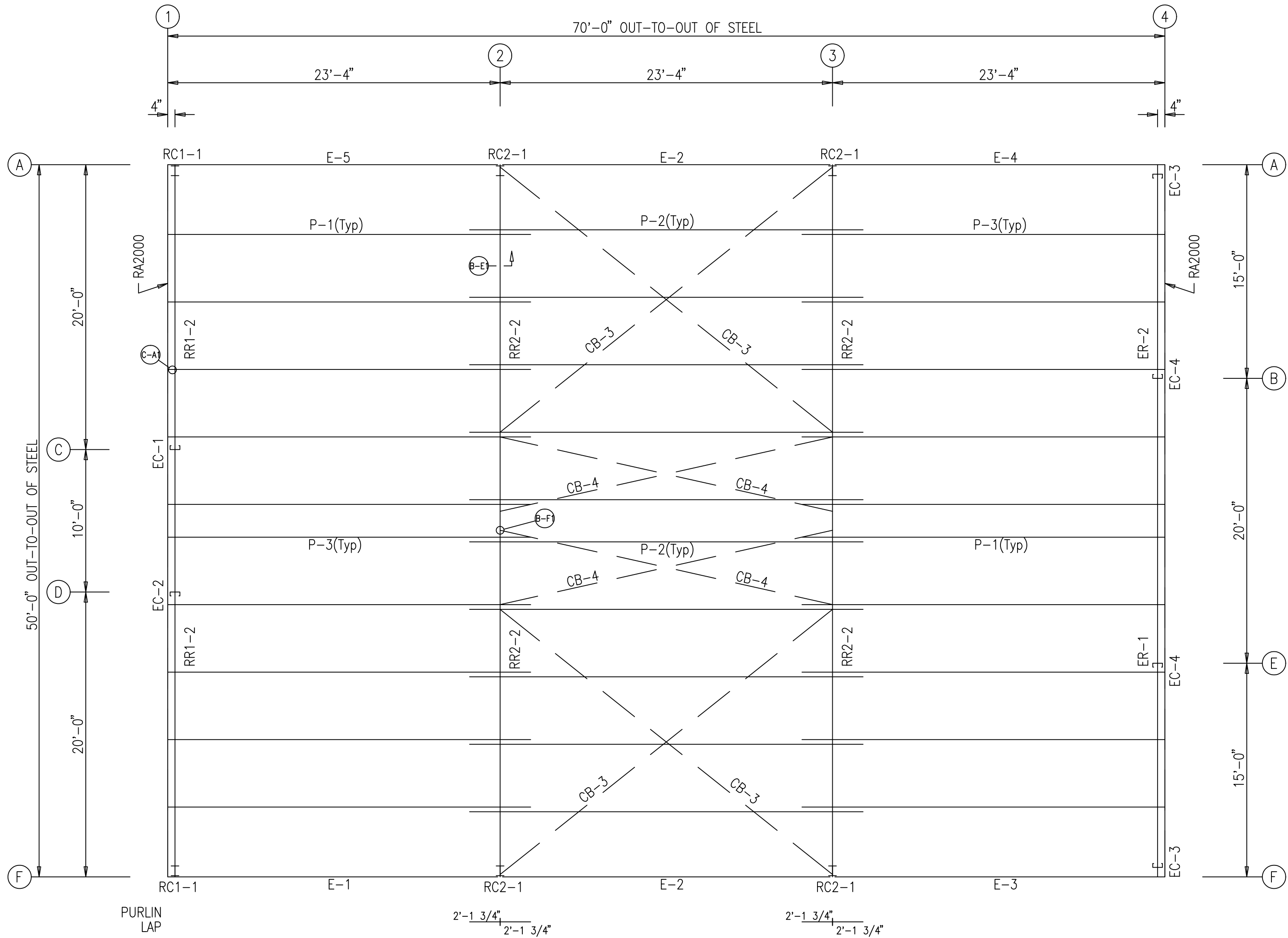
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Nima@scmwsolutions.com
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MEMBER TABLE	
ROOF PLAN	
MARK	PART
P-1	10X25Z16
P-2	10X25Z16
P-3	10X25Z16
E-1	10ES142
E-2	10ES142
E-3	10ES142
E-4	10ES142
E-5	10ES142
CB-3	0.25_CBL
CB-4	0.25_CBL

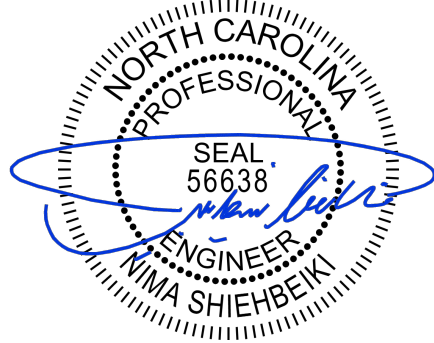


ROOF FRAMING PLAN

UL580, CLASS 90 CONST. NUMBER 167

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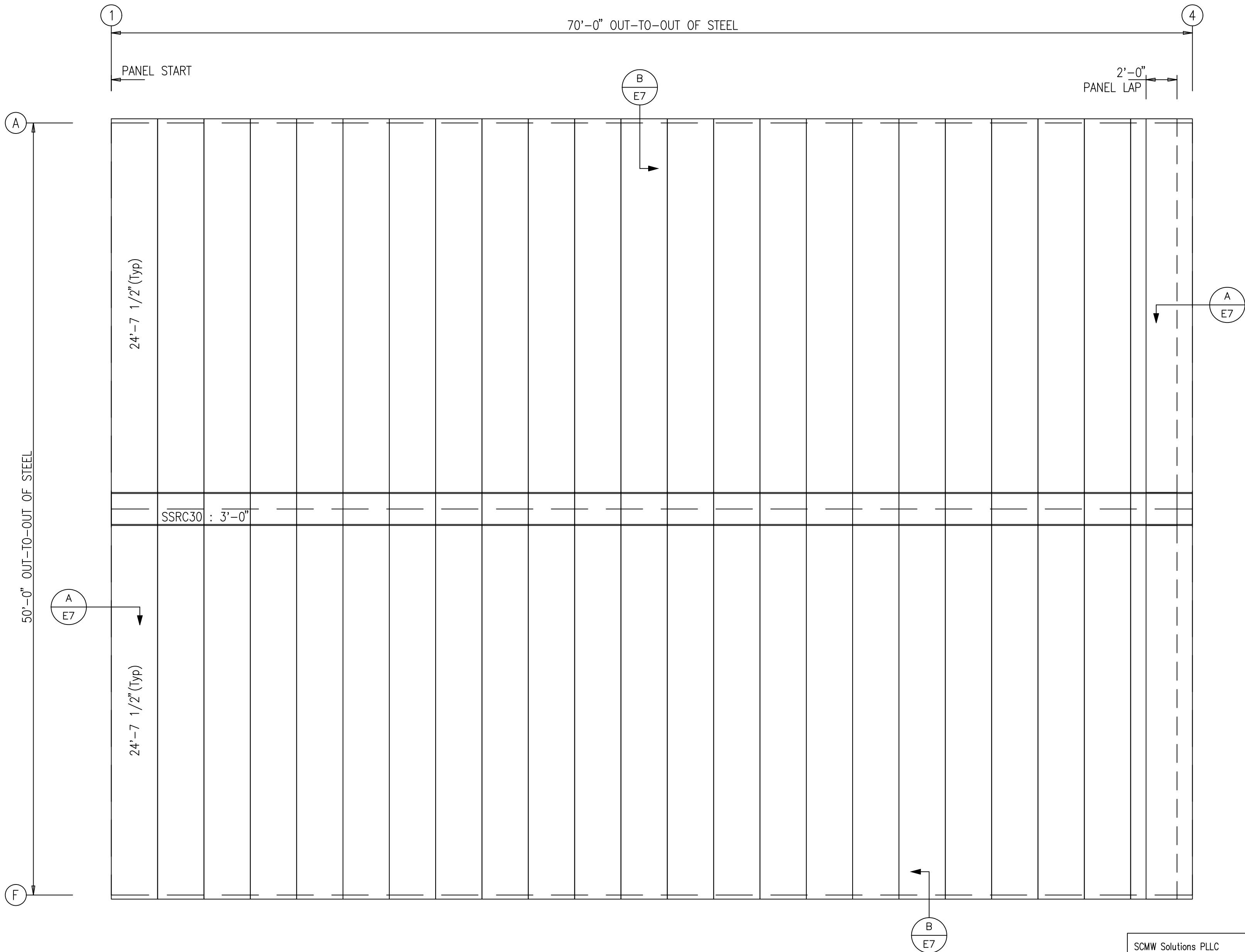


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ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC	ROOF FRAMING PLAN	50'-0" X 70'-0" X 16'-0"
					CUSTOMER: BAUCOM BUSINESS PLAZA	CUSTOMER LOCATION: FUQUAY VARINA, NC. 27526
					PROJECT REFERENCE: BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION: FUQUAY VARINA, NC. 27526	JOB SITE COUNTY: WAKE
					DWN: PND	CHK: PNC
					DATE: 08.07.26	ENG: KEA
					JOB NO: 16167-40530	DWG NO: E1
						ISSUE: P1

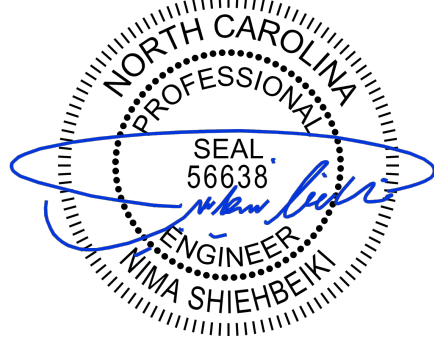
ROOF SHEETING TRIM TABLE	
MARK	DETAIL NAME
SSRC30	E-Y1



ROOF SHEETING PLAN
PANELS: 26 Ga. Super Span X –SMP Ash Gray

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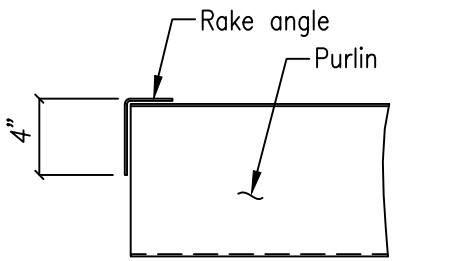
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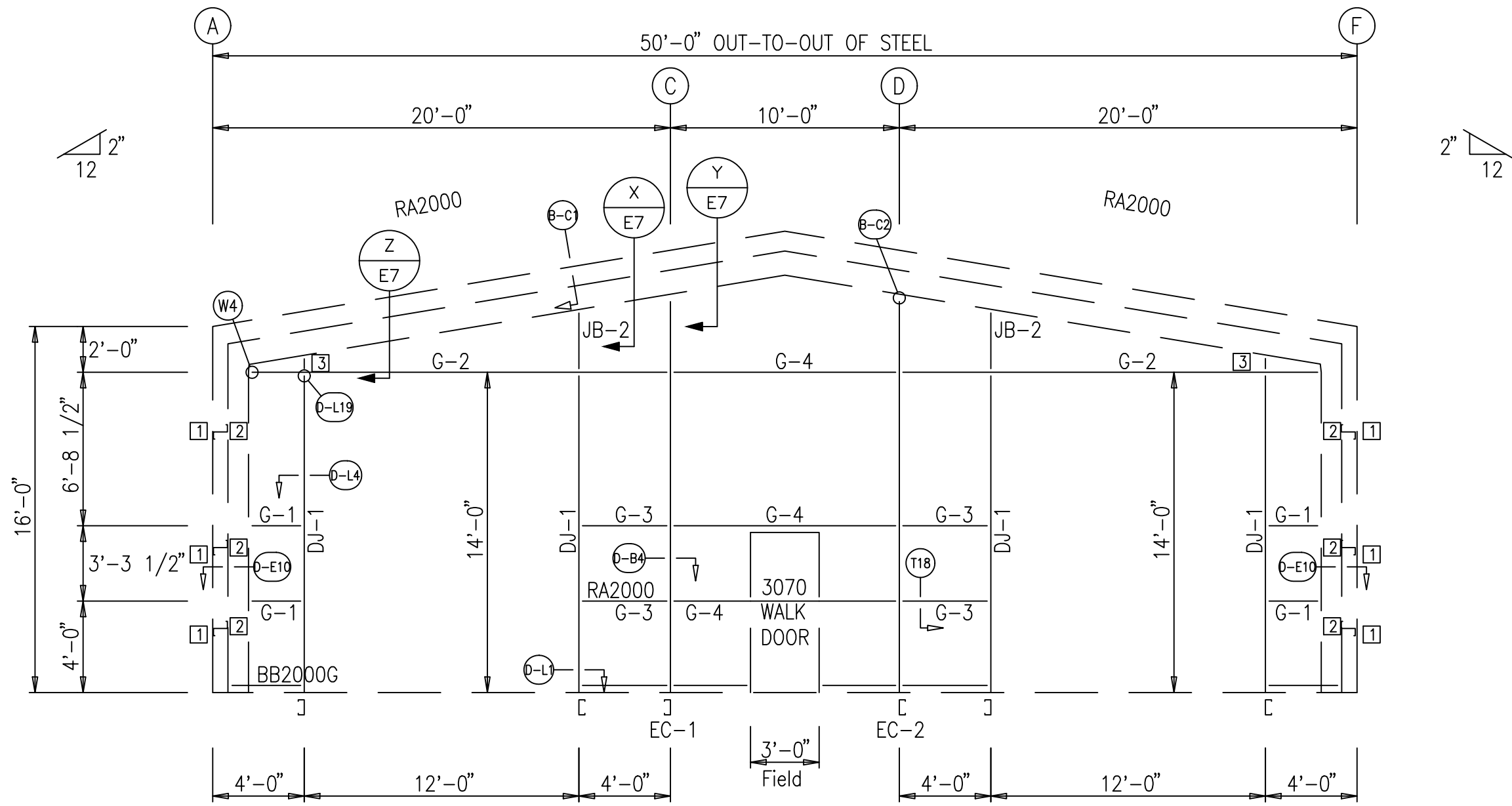


ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC

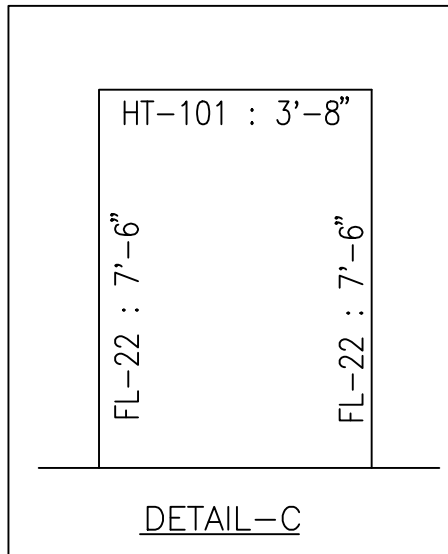
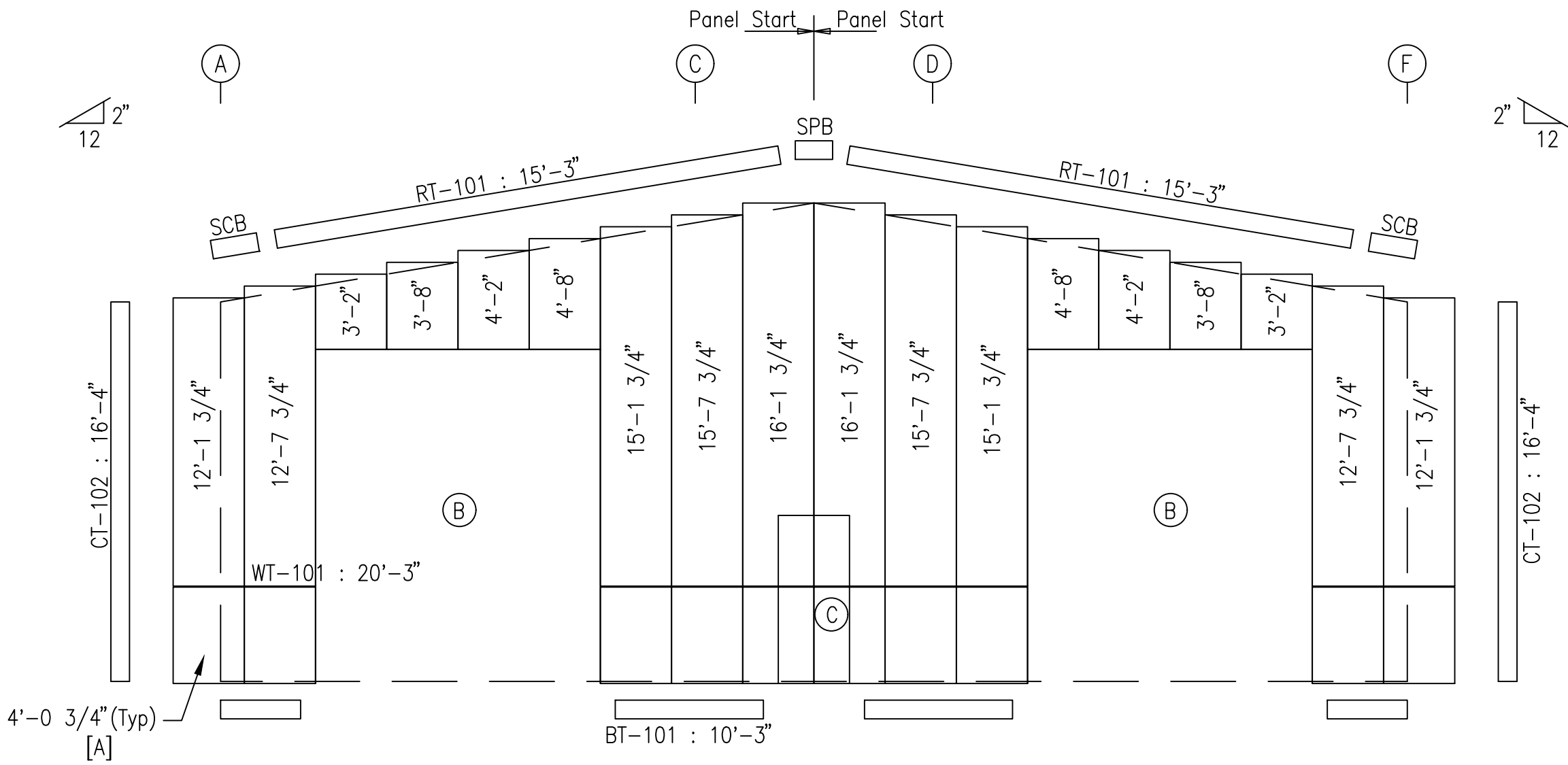
SHEET DESCRIPTION: ROOF SHEETING PLAN				BLDG SIZE: 50'-0" X 70'-0" X 16'-0"			
CUSTOMER: BAUCOM BUSINESS PLAZA				CUSTOMER LOCATION: FUQUAY VARINA, NC. 2			
PROJECT REFERENCE: BAUCOM BUSINESS PLAZA							
JOBSITE LOCATION: FUQUAY VARINA, NC. 27526				JOBSITE COUNTY: WAKE			
DWN:	CHK:	DATE:	ENG:	JOB NO:	DWG NO:		
PND	PNC	08.07.26	KEA	16167-40530	E2		



Detail at Rake Angle



ENDWALL FRAMING: FRAME LINE 1



GENERAL SHEETING & TRIM NOTES

1. Refer to erection drawings for rake angle locations.
2. Roof member screws are at 12" o.c. Eave end lap and peak screws are as shown.
3. Wall member screws are at 6" o.c. at the base member and 12" o.c. at all remaining members.
4. Roof stitch screws are located at each member with two between members (20" max. spacing).
5. Wall stitch screws are located at each member with one between members (20" max. spacing).
6. Skylight stitch screws are at 6" o.c.
7. Start endwall panels at centerline of bldg. unless noted.
8. Gutter, rake, & eave trim lap 2". All other trims lap 1".
9. Field cut or lap panels as required to fit.
10. Field cut panels for all openings.
11. Pop rivet gutter counterflashing to wall panel on 3'-0 centers and caulk all laps.
12. Gutter support strap spacing: Super Span 3'-0, Super Seam 4'-0, Weather Lok-16 2'-8".
13. Corner and/or peak boxes are not furnished with special rake or gutter profiles. Field miter as req'd.
14. Downspout straps are located 6" from base and at every girt location.
15. Hot-rolled or built-up members must be pre-drilled before attaching members screws.
16. Metal shavings must be swept from the roof each day to avoid surface rusting.
17. Windows and louvers must be installed before sheeting the walls.
18. 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

1. Angles are marked by their length in feet and inches.
2. Field cut or lap angles as required to fit.
3. Flange braces are marked by their length in decimal inches.
4. Outside flange of girt turns down unless noted.
5. Endwall girts and eave struts do not lap.
6. Field cut and self-tap girts at walk doors.
7. Field slot girts for brace rods or cables.
8. Field locate windows and walk doors.
9. Field weld all splices at 14 gauge valley gutters.
10. 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
11. Locate top of roof framed openings flush with the pan of the roof panel.
12. Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
13. 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.
14. Sub-jambs for overhead doors, if required, is not furnished by Metal Building Provider

ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. Super Span X -SMP Hawaiian Blue

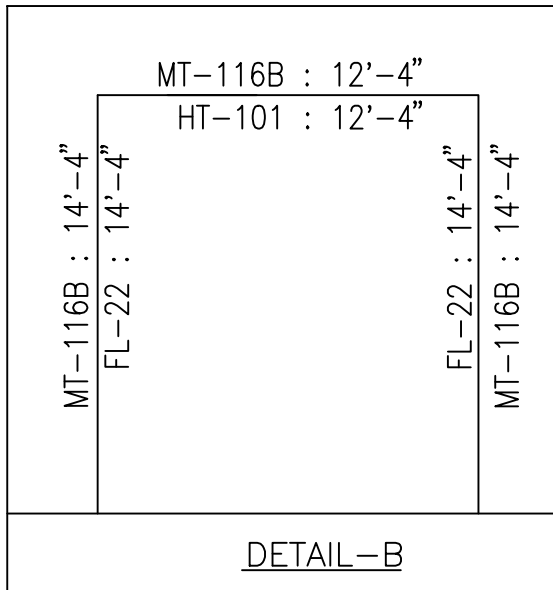
[A] PANELS: 26 Ga. Super Span X -SMP Steel Gray

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

MEMBER TABLE	
FRAME LINE 1	
MARK	PART
EC-1	10M35C14
EC-2	10M35C14
DJ-1	8M35C14
JB-2	8M35C14
G-1	8X25Z16
G-2	8X35C16
G-3	8X25Z16
G-4	8X25Z16

CONNECTION PLATES	
FRAME LINE 1	
ID	MARK/PART
1	SC-5
2	Z-1
3	AK200

SHEETING DETAILS	
SHEETING LINE 1	
MARK	DETAIL NAME
FL-22	L-A11
FL-22	L-D18
HT-101	L-A12
HT-101	L-D17
RT-101	
CT-102	L-C4
BT-101	
WT-101	
MT-116B	
SCB	E-G1
SPB	



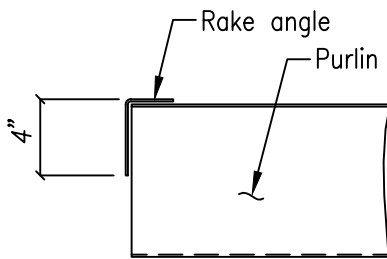
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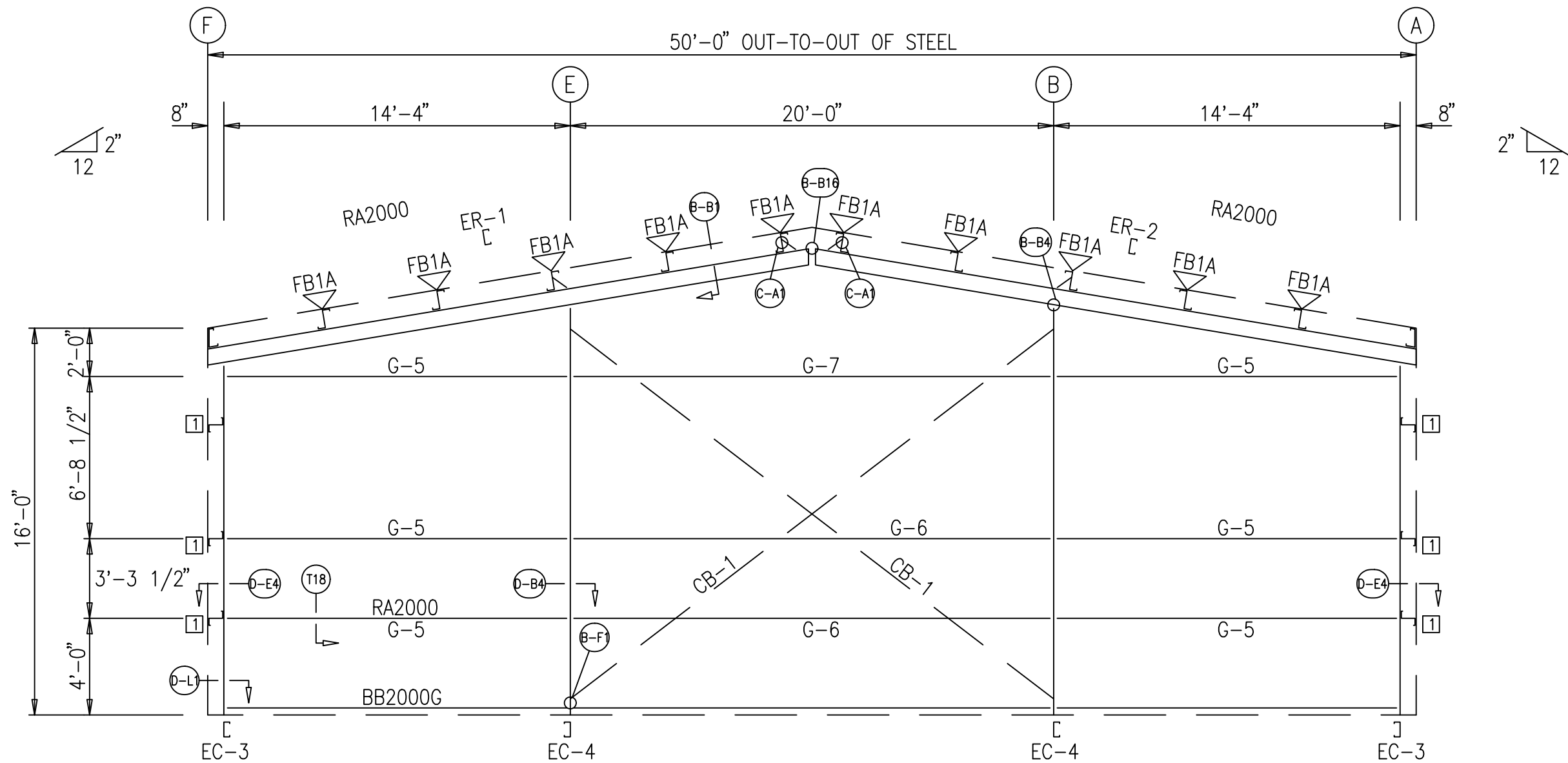
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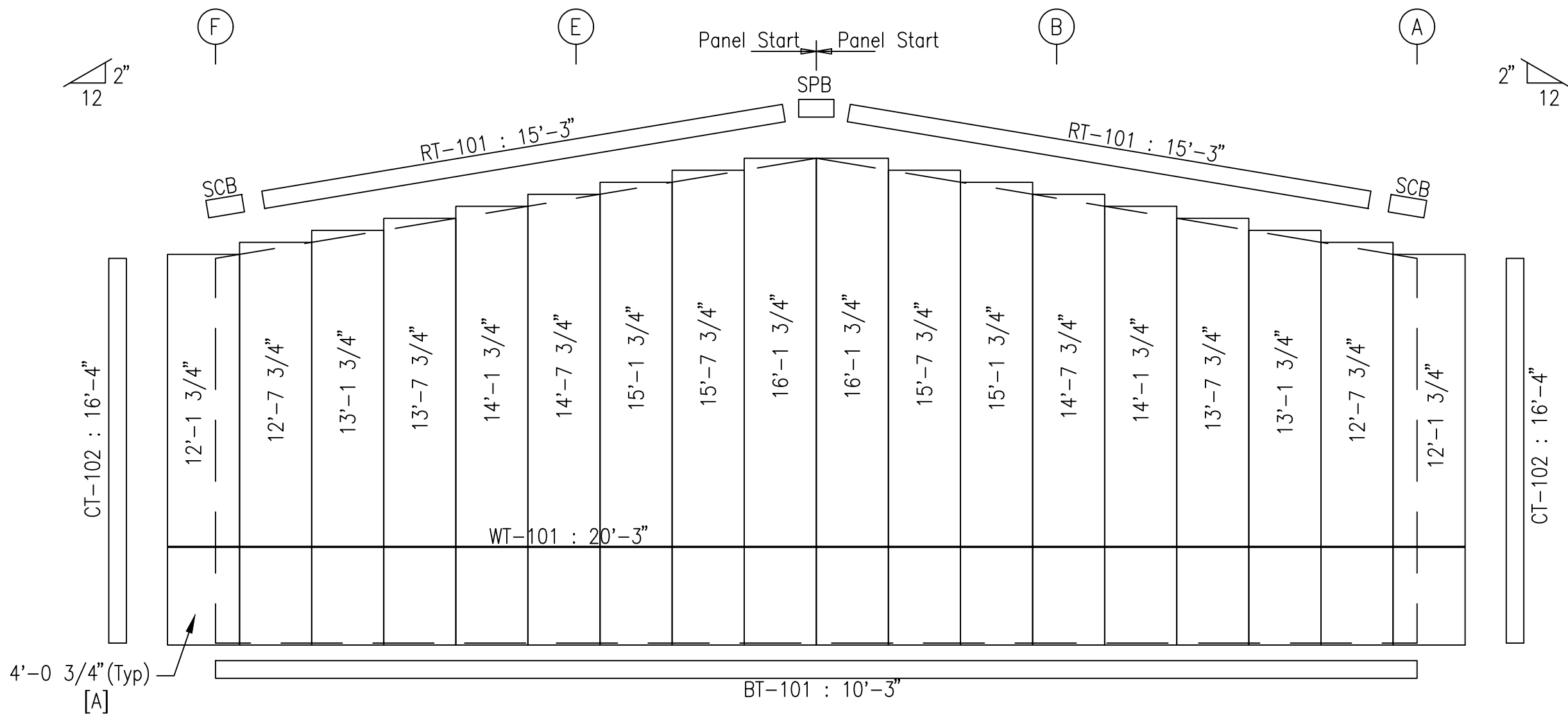
ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC	ENDWALL FRAME & SHEETING ELEVATION	50'-0" x 70'-0" x 16'-0"
					CUSTOMER:	CUSTOMER LOCATION:
					BAUCOM BUSINESS PLAZA	FUQUAY VARINA, NC. 27526
					PROJECT REFERENCE:	
					BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION:	JOB SITE COUNTY:
					FUQUAY VARINA, NC. 27526	WAKE
					DWN:	ENG:
					PND	KEA
					CHK:	JOB NO:
					PNC	16167-40530
					DATE:	DWG NO:
					08.07.26	E3
					ISSUE:	P1



Detail at Rake Angle



ENDWALL FRAMING: FRAME LINE 4



GENERAL SHEETING & TRIM NOTES

1. Refer to erection drawings for rake angle locations.
2. Roof member screws are at 12" o.c. Eave end lap and peak screws are as shown.
3. Wall member screws are at 6" o.c. at the base member and 12" o.c. at all remaining members.
4. Roof stitch screws are located at each member with two between members (20" max. spacing).
5. Wall stitch screws are located at each member with one between members (20" max. spacing).
6. Skylight stitch screws are at 6" o.c.
7. Start endwall panels at centerline of bldg. unless noted.
8. Gutter, rake, & eave trim lap 2". All other trims lap 1".
9. Field cut or lap panels as required to fit.
10. Field cut panels for all openings.
11. Pop rivet gutter counterflashing to wall panel on 3'-0" centers and caulk all laps.
12. Gutter support strap spacing: Super Span 3'-0", Super Seam 4'-0", Weather Lok-16 2'-8".
13. Corner and/or peak boxes are not furnished with special rake or gutter profiles. Field miter as req'd.
14. Downspout straps are located 6" from base and at every girt location.
15. Hot-rolled or built-up members must be pre-drilled before attaching members screws.
16. Metal shavings must be swept from the roof each day to avoid surface rusting.
17. Windows and louvers must be installed before sheeting the walls.
18. 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

1. Angles are marked by their length in feet and inches.
2. Field cut or lap angles as required to fit.
3. Flange braces are marked by their length in decimal inches.
4. Outside flange of girt turns down unless noted.
5. Endwall girts and eave struts do not lap.
6. Field cut and self-tap girts at walk doors.
7. Field slot girts for brace rods or cables.
8. Field locate windows and walk doors.
9. Field weld all splices at 14 gauge valley gutters.
10. Field bolt AK400 base clip to endwall columns:
 - (1) 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
11. Locate top of roof framed openings flush with the pan of the roof panel.
12. Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
13. 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.
14. Sub-jams for overhead doors, if required, is not furnished by Metal Building Provider

ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Ga. Super Span X -SMP Hawaiian Blue

[A] PANELS: 26 Ga. Super Span X -SMP Steel Gray

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

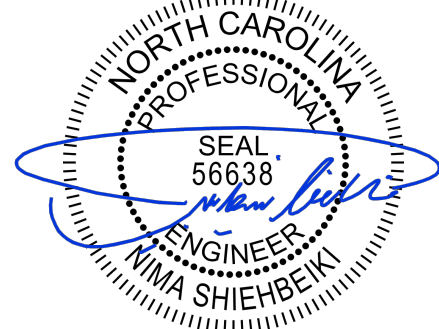
FLANGE BRACE TABLE		
FRAME LINE 4		
▽ID	MARK	LENGTH
1	FB1A	2'-5 1/4"

MEMBER TABLE	
FRAME LINE 4	
MARK	PART
EC-3	8M35C14
EC-4	8M35C12
ER-1	8M35C12
ER-2	8M35C12
G-5	8X25Z16
G-6	8X25Z16
G-7	8X25Z14
CB-1	0.25_CBL

CONNECTION PLATES	
FRAME LINE 4	
□ID	MARK/PART
1	SC-5

SHEETING DETAILS	
SHEETING LINE 4	
MARK	DETAIL NAME
CT-102	L-C4
BT-101	
WT-101	
SCB	E-G1
SPB	

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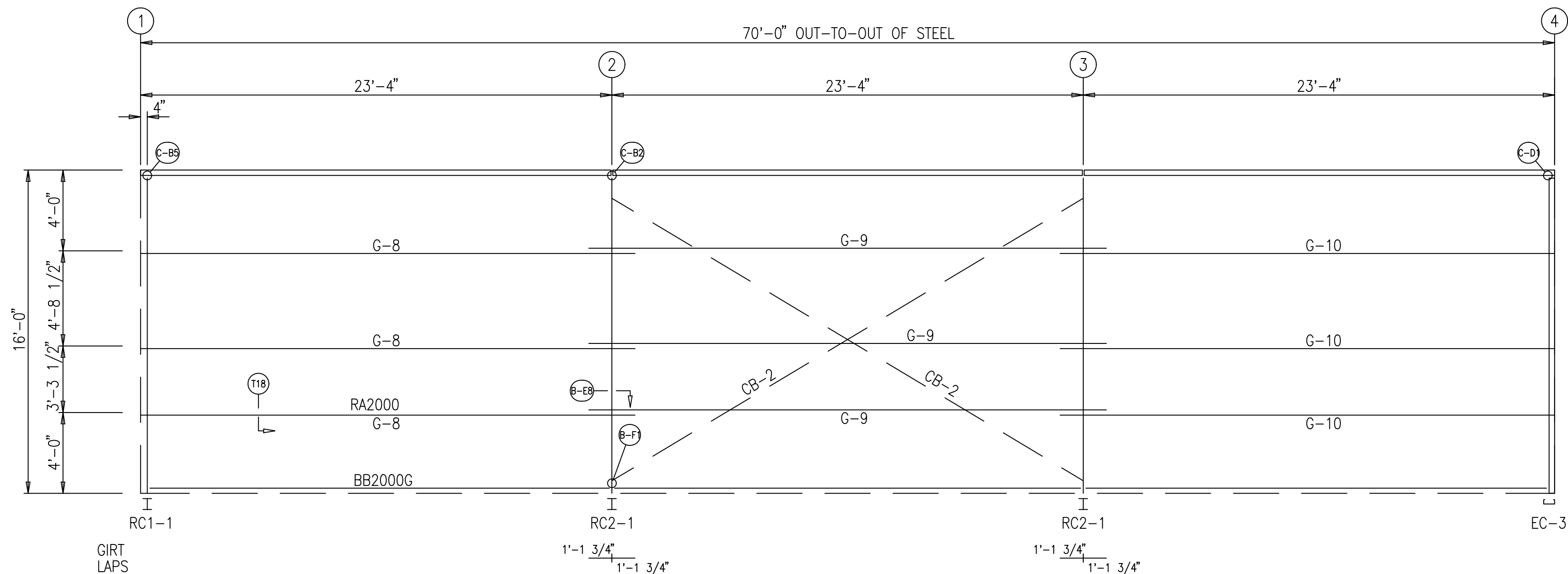
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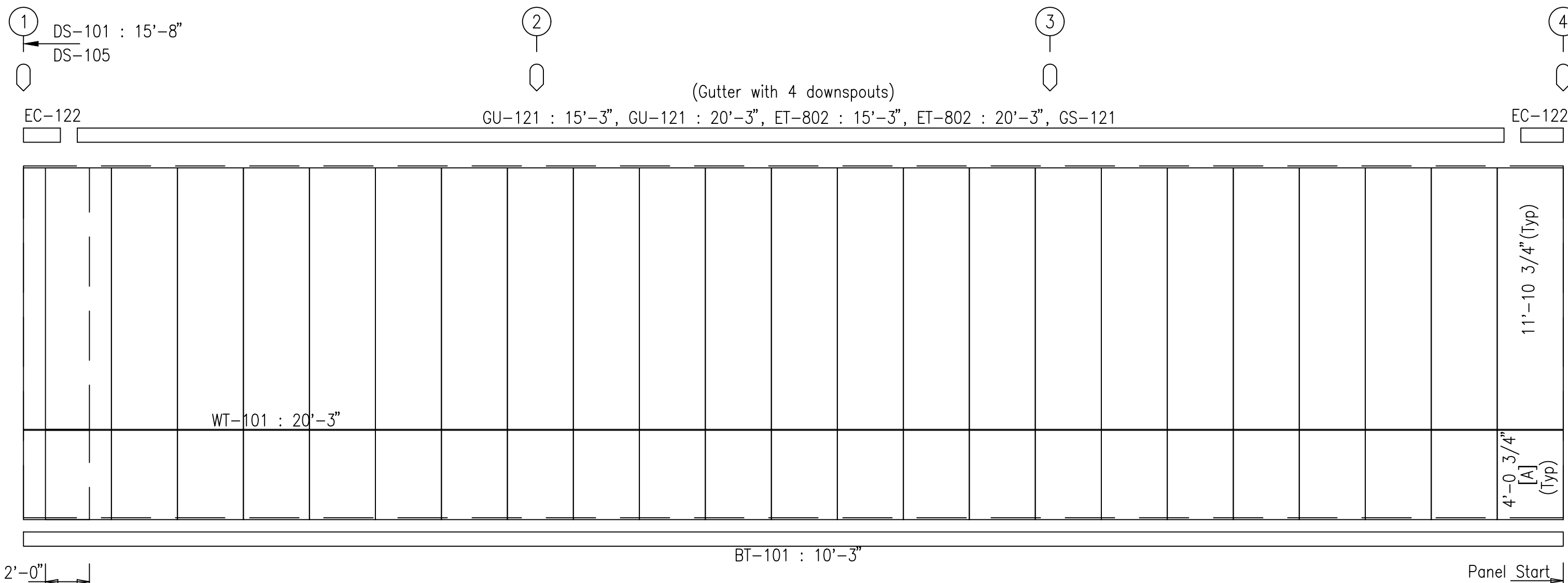
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☒ FOR CONSTRUCTION PERMIT: These drawings, being for permit, are by definition not final. Only drawings issued "For Erector Installation" can be considered complete.			P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC	ENDWALL FRAME & SHEETING ELEVATION		50'-0" x 70'-0" x 16'-0"	
☐ FOR ERECTOR INSTALLATION: Final drawings for construction.									CUSTOMER:	CUSTOMER LOCATION:	
									BAUCOM BUSINESS PLAZA	FUQUAY VARINA, NC. 27526	
									PROJECT REFERENCE:		
									BAUCOM BUSINESS PLAZA		
									JOBSITE LOCATION:		
									FUQUAY VARINA, NC. 27526		
									JOBSITE COUNTY:		
									WAKE		
									WAKE		
									JOB NO:		
									16167-40530		
									DWG NO:		
									E4		
									ISSUE:		
									P1		

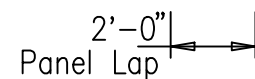
DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE F



GENERAL SHEETING & TRIM NOTES



GENERAL FRAMING NOTES

1. Angles are marked by their length in feet and inches.
2. Field cut or lap angles as required to fit.
3. Flange braces are marked by their length in decimal inches.
4. Outside flange of girt turns down unless noted.
5. Endwall girts and eave struts do not lap.
6. Field cut and self-top girts at walk doors.
7. Field slot girts for brace rods or cables.
8. Field locate windows and walk doors.
9. Field weld all splices at 14 gauge valley gutters.
10. 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
11. Locate top of field raftered openings flush with the pan of the roof panel.
12. Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
13. For clarity, top 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.
14. Sub-jams for overhead doors, if required, is not furnished by Metal Building Provider

SIDEWALL SHEETING & TRIM: FRAME LINE F

PANELS: 26 Ga. Super Span X –SMP Hawaiian Blue

[A] PANELS: 26 Ga. Super Span X -SMP Steel Gray

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ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC	SIDEWALL FRAME & SHEETING ELEVATION	50'-0" X 70'-0" X 16'-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	08.07.26	KFA	161676-40530	E3	P1

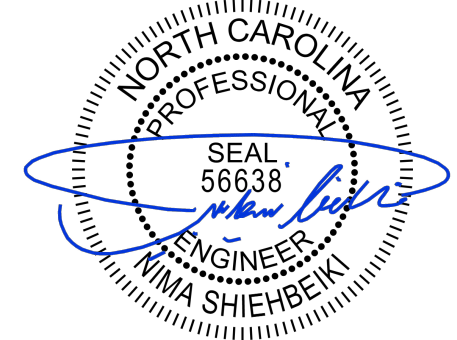
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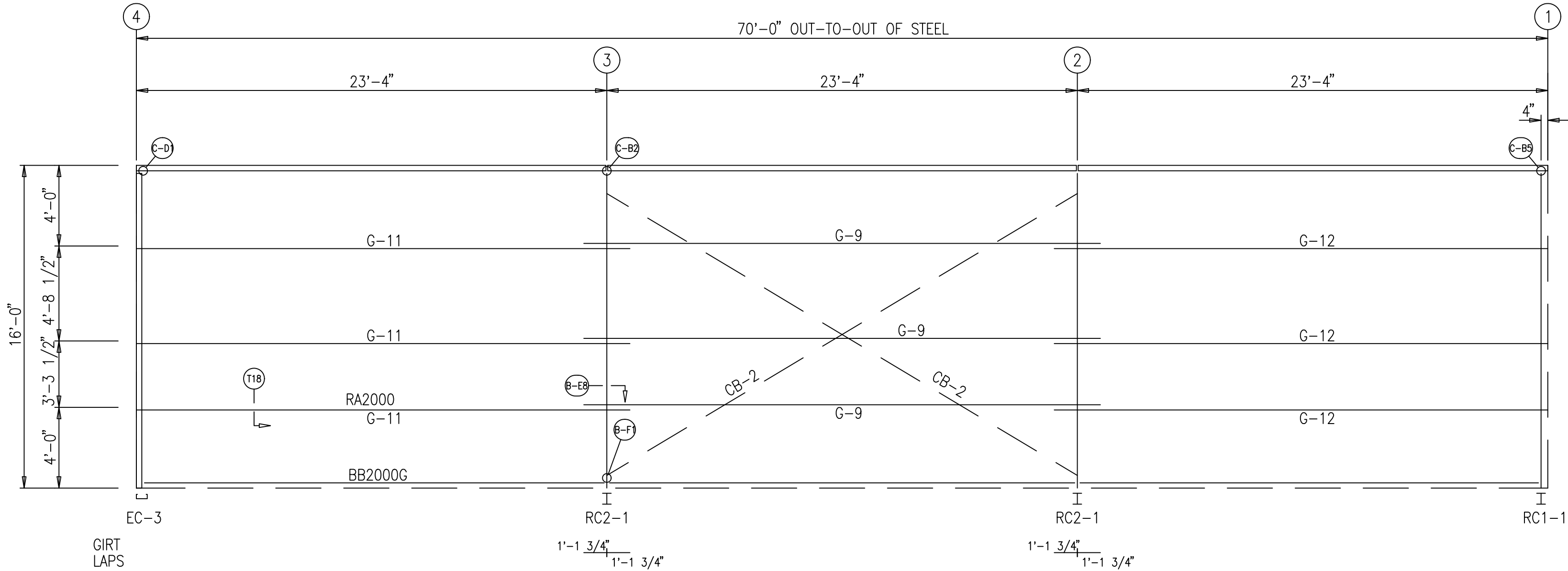
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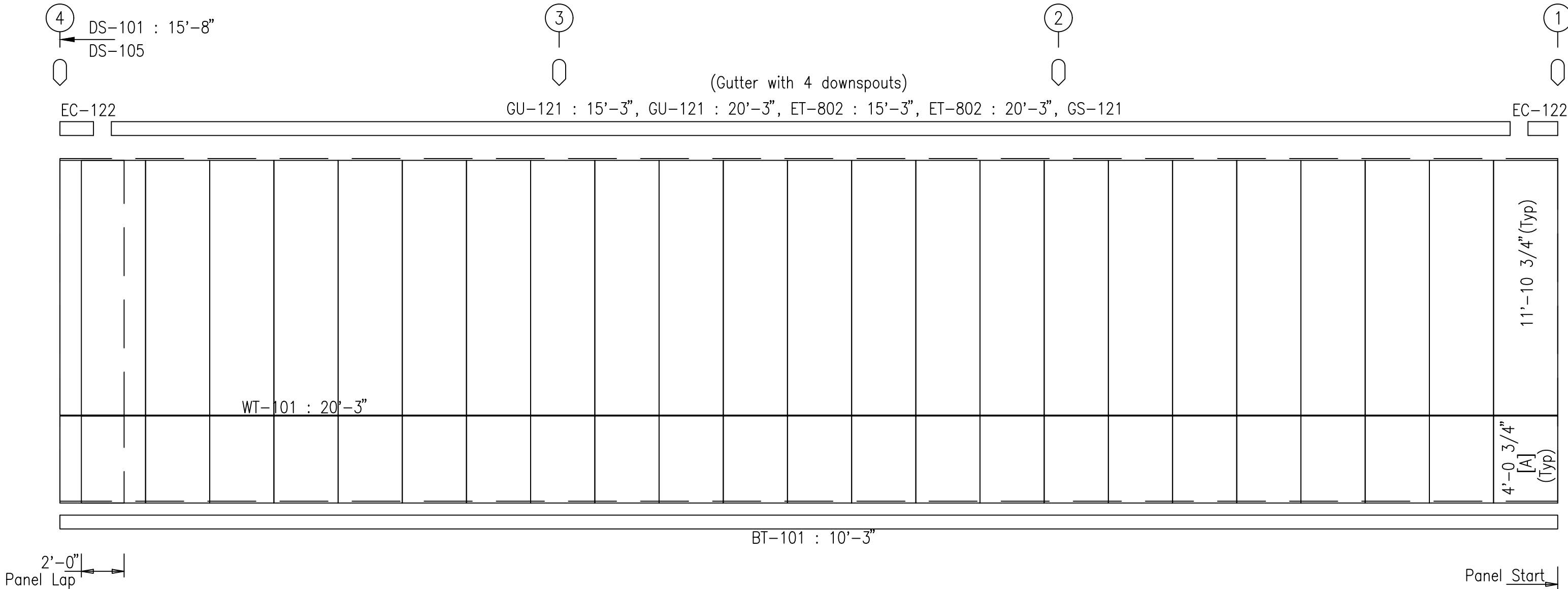
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DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE A



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.
- Sub-jambes 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	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC	SIDEWALL FRAME & SHEETING ELEVATION	50'-0" X 70'-0" X 16'-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:	DATE:
					PND	08.07.26
					ENG:	16167-40530
					KEA	E6
						P1

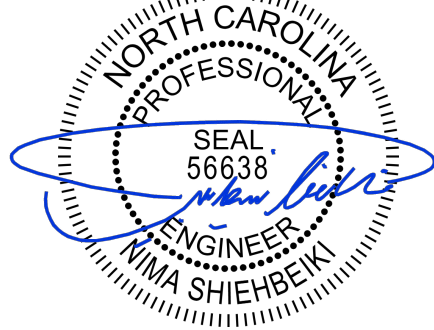
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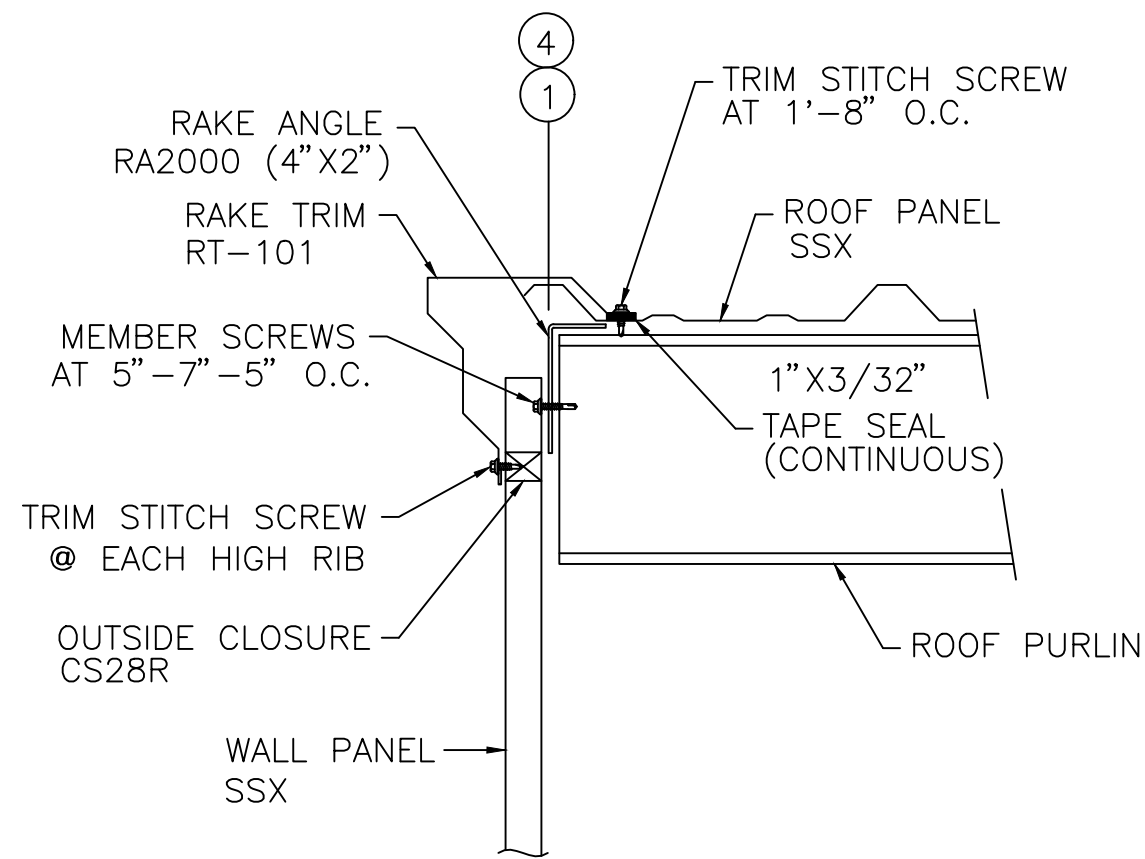
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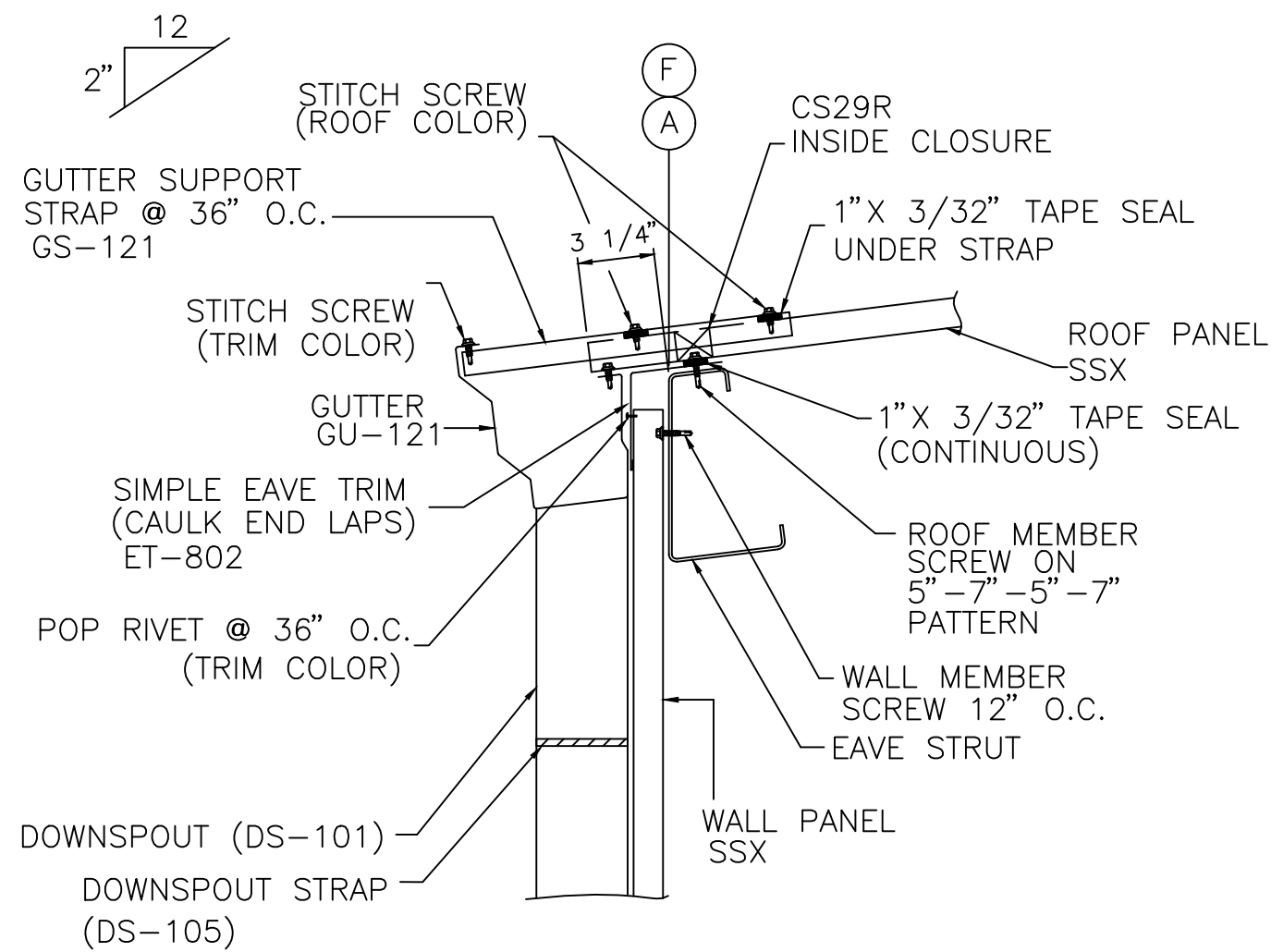


MEMBER TABLE FRAME LINE A	
MARK	PART
G-9	8X25Z16
G-11	8X25Z16
G-12	8X25Z16
CB-2	0.25_CBL

SHEETING DETAILS SHEETING LINE A	
MARK	DETAIL NAME
BT-101	
WT-101	
GU-121	
ET-802	
GS-121	
EC-122	
DS-101	V-A3
DS-105	V-A4

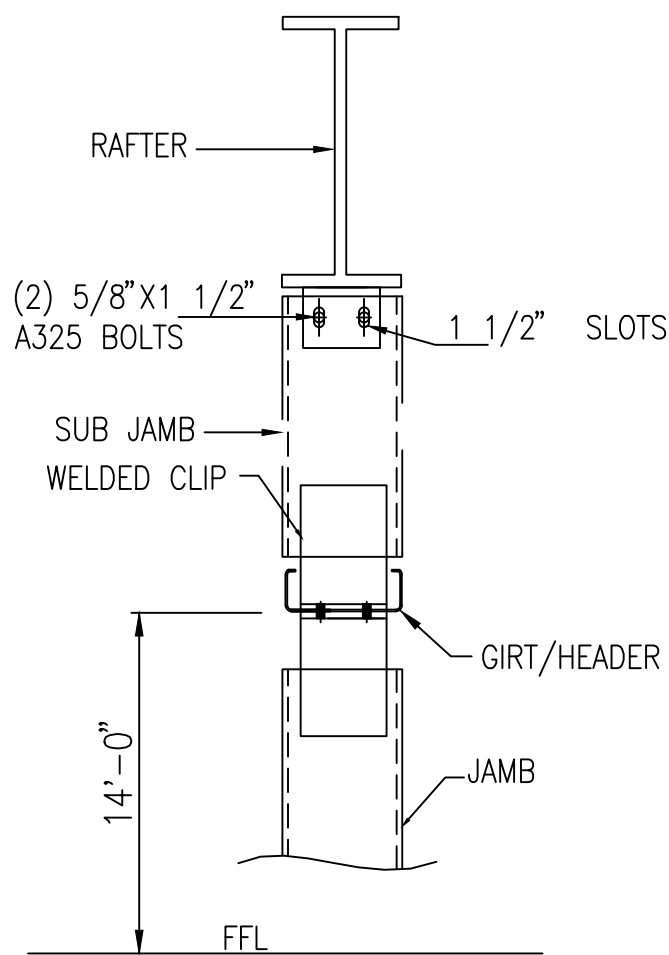


SECTION "A"

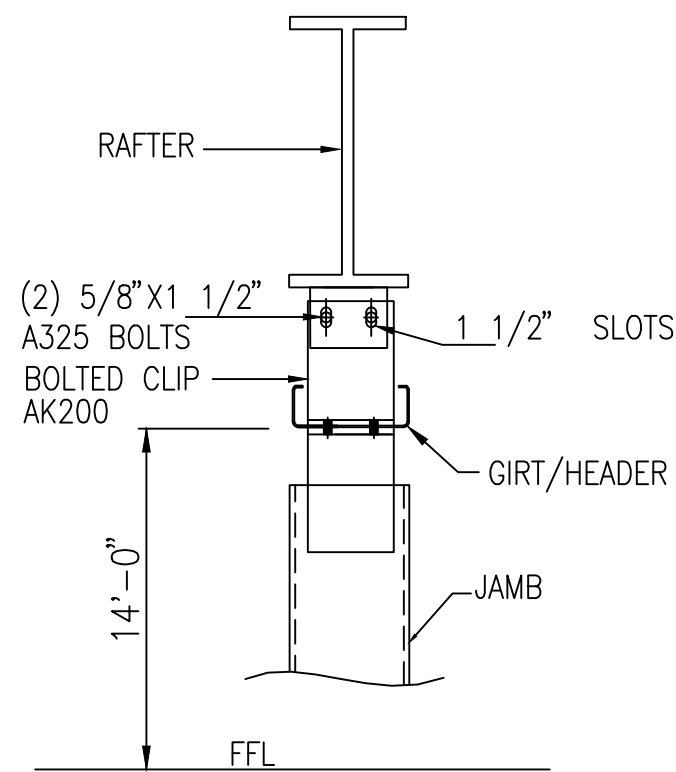


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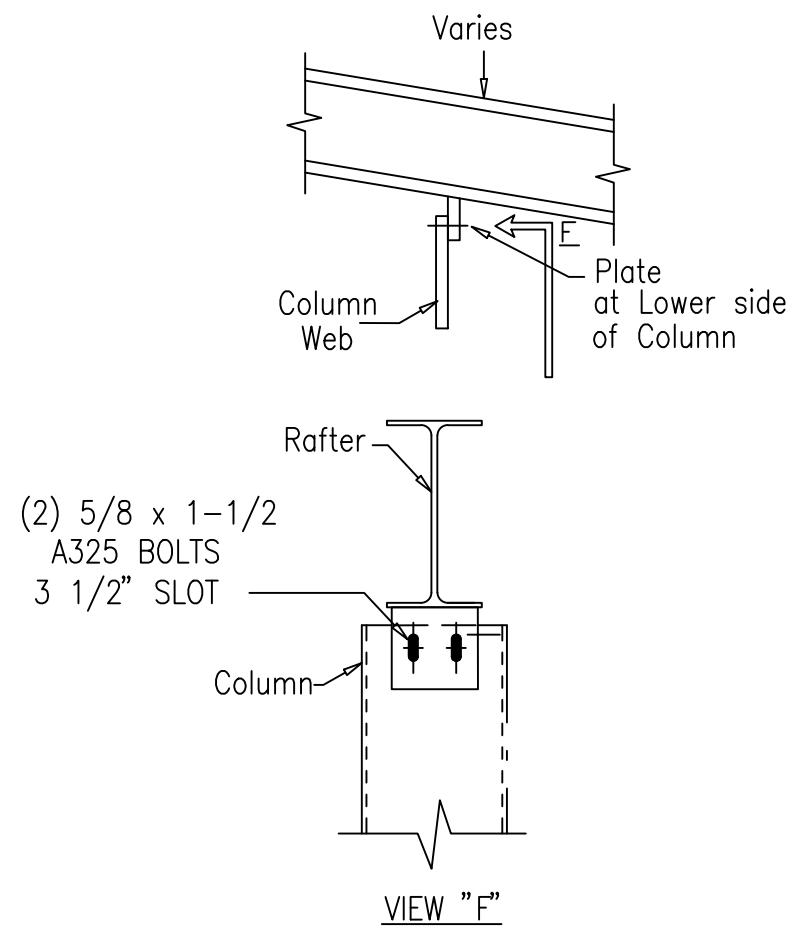
*LAP GUTTER 2" w/ (2) CONTINUOUS BEADS OF CAULK



SECTION "X"



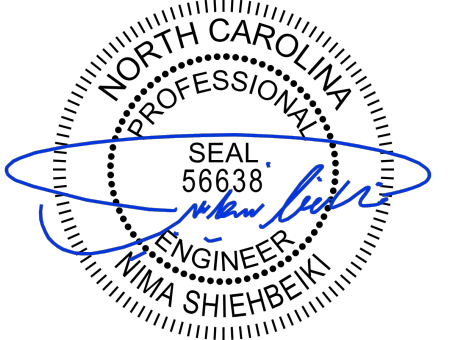
SECTION "Z"



SLOT CONNECTION DETAIL
SECTION "Y"

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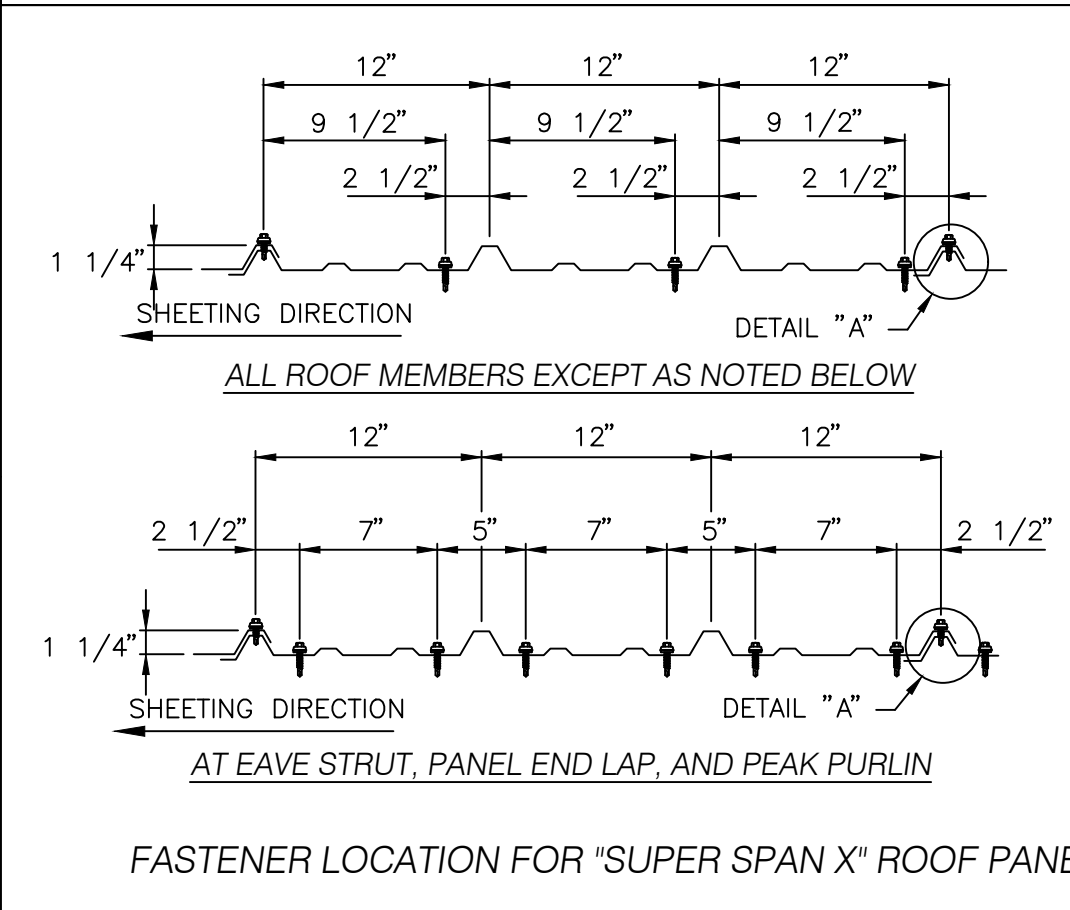
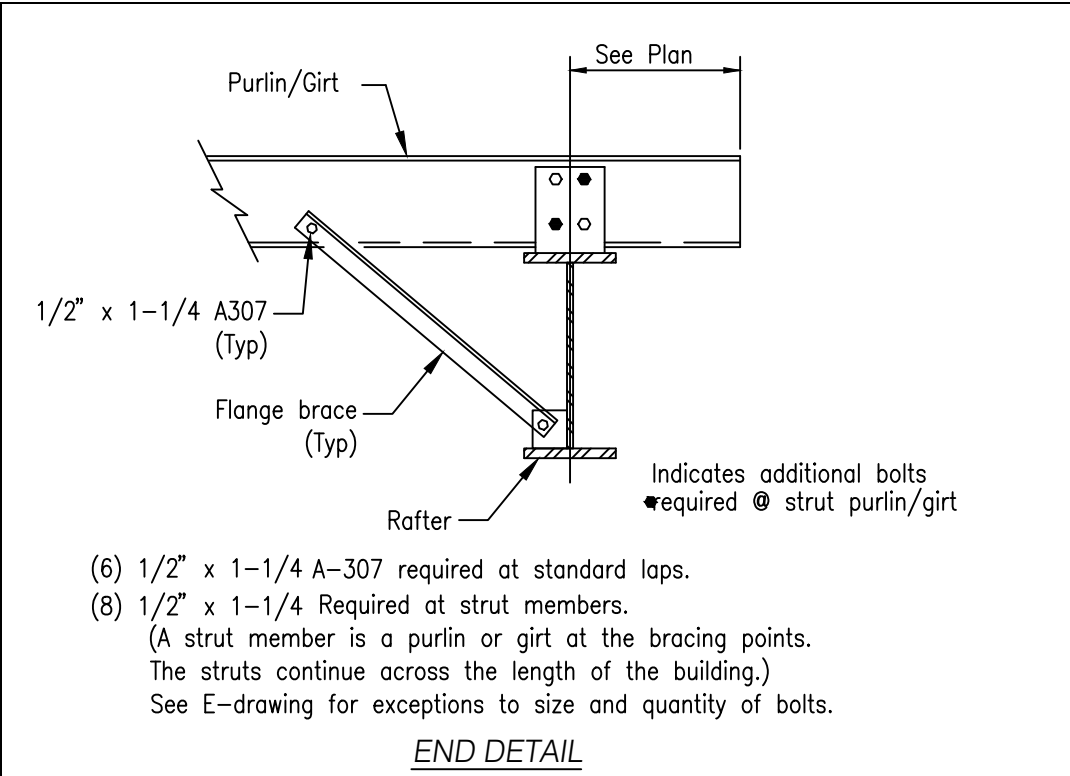
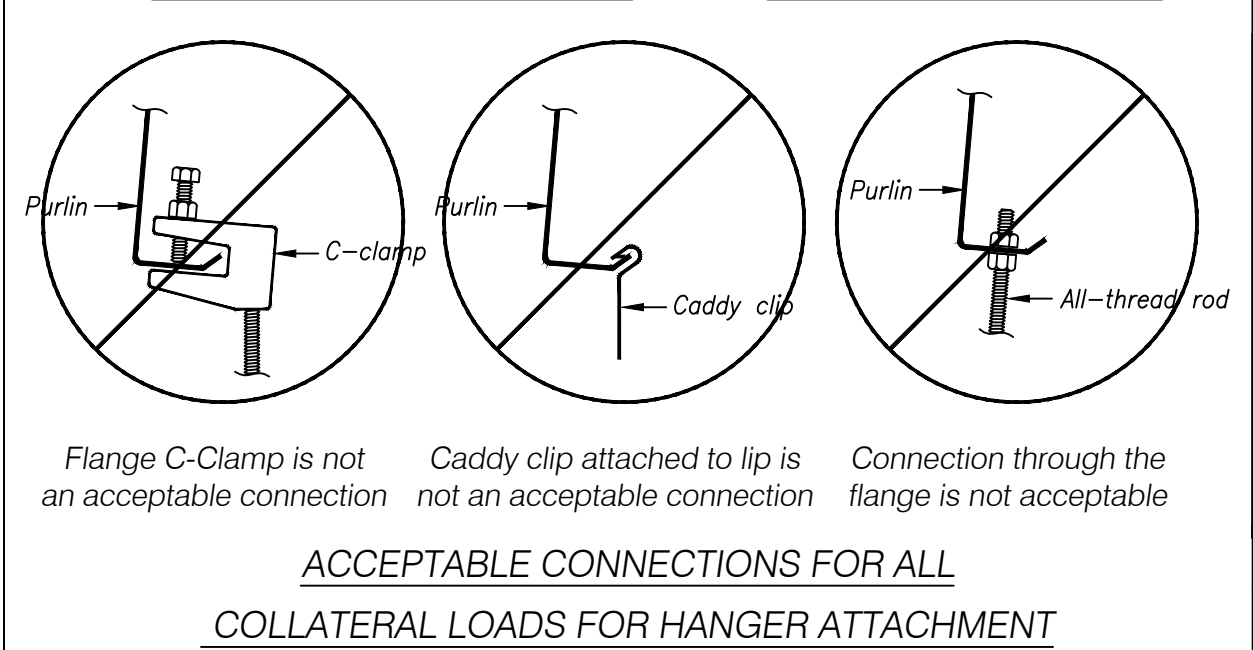
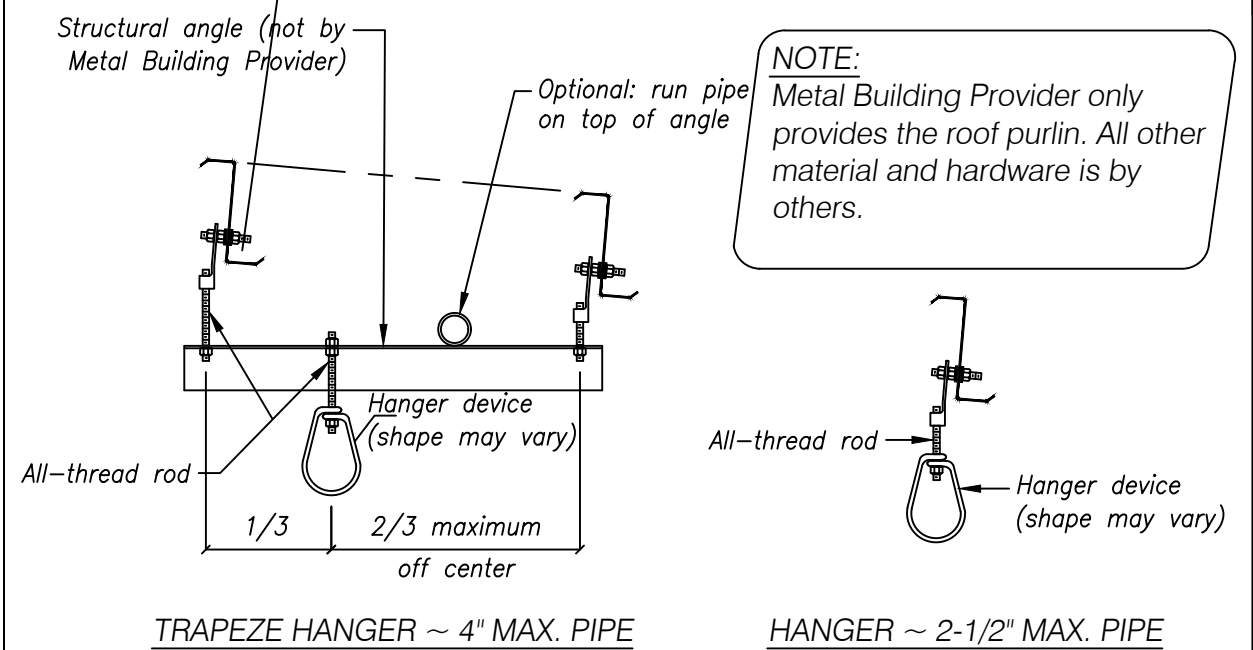
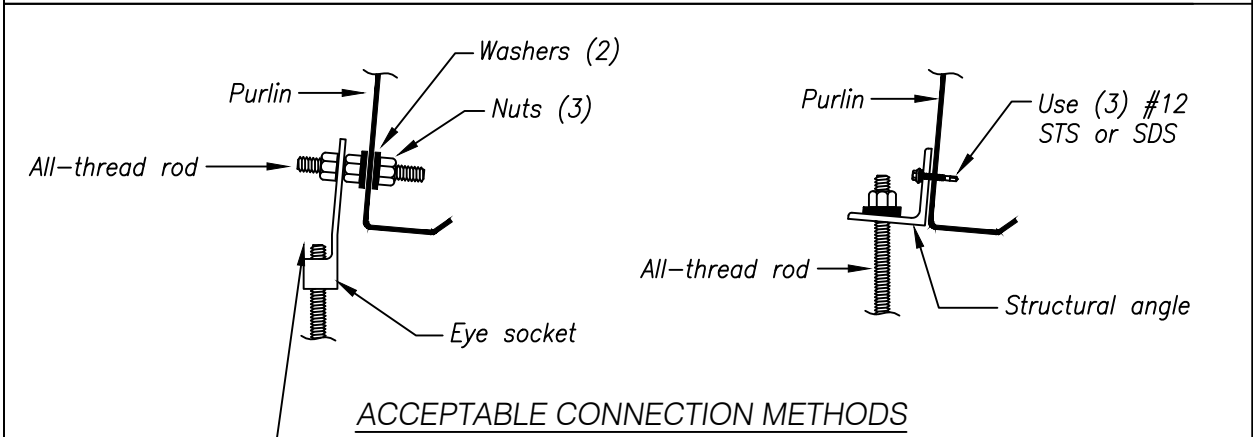
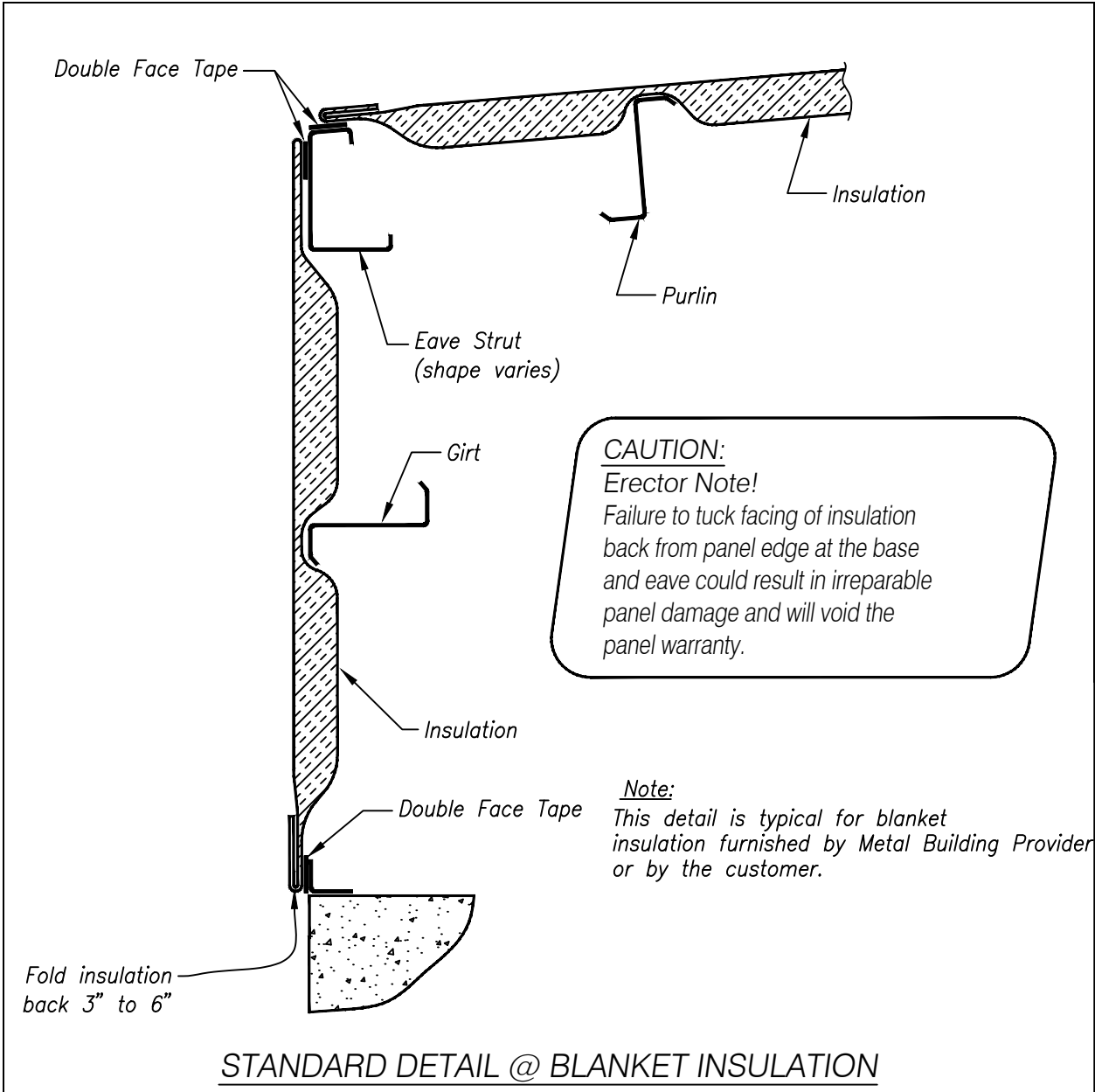
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☐ **FOR ERECTOR INSTALLATION:**
Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG SIZE:
P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC	BUILDING SECTIONS	50'-0" X 70'-0" X 16'-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	DATE: 08.07.26
					ENG: KEA	JOB NO: 16167-40530
						DWG NO: E7
						ISSUE: P1

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BUILT-UP SECTION LEGEND

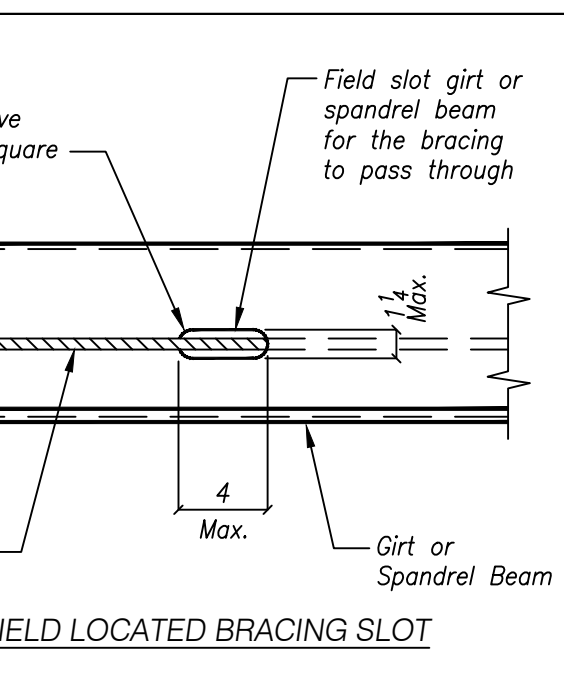
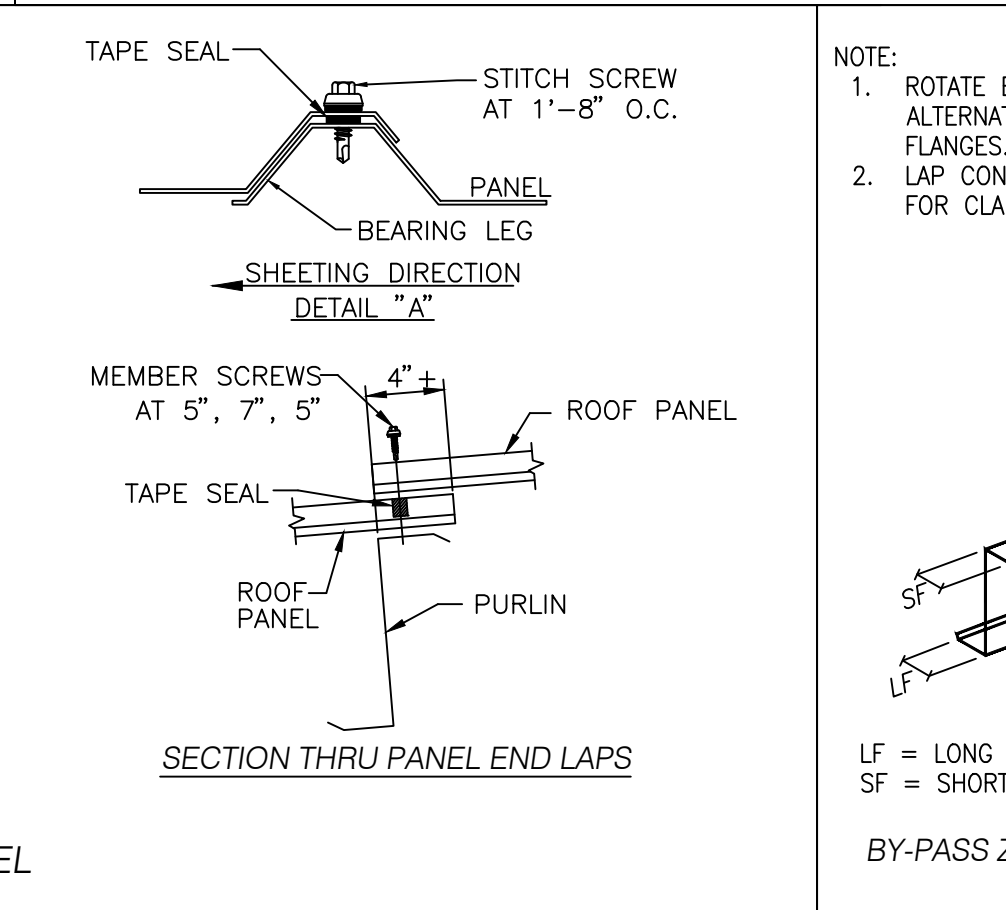
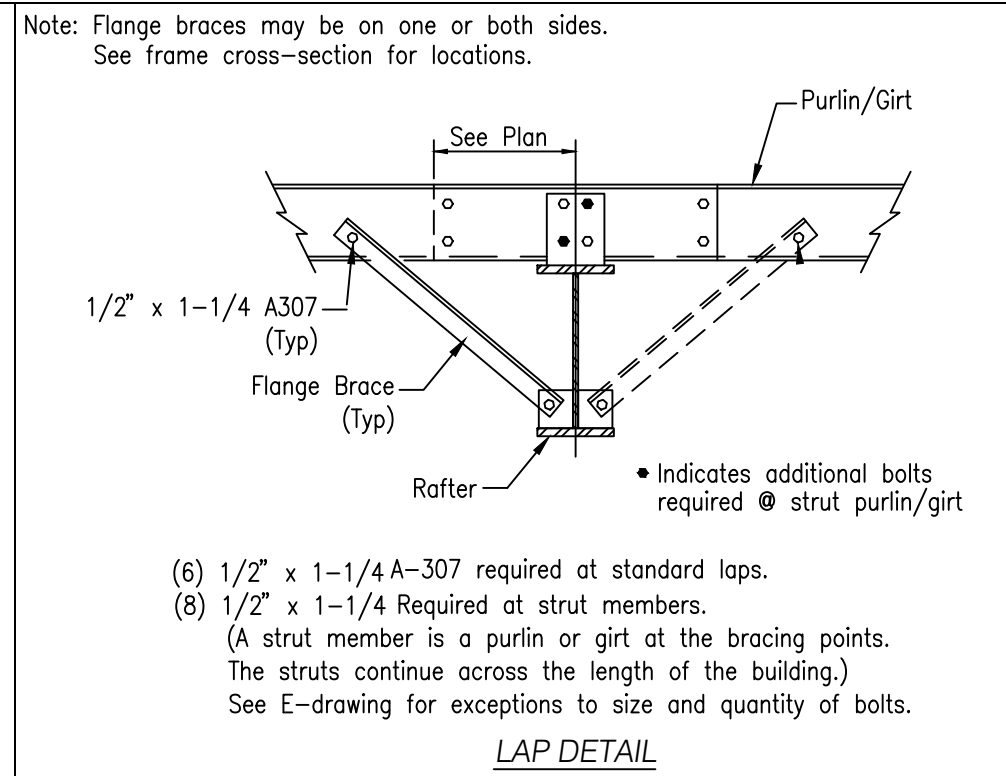
Flange Width (in inches)	Flange Thickness (in inches)	Web Thickness (in inches)
5 = 5	3 = 3/16	8 = 1/2
6 = 6	4 = 1/4	0 = 5/8
8 = 8	5 = 5/8	2 = 3/4
0 = 10	6 = 3/8	1 = 1
2 = 12		

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



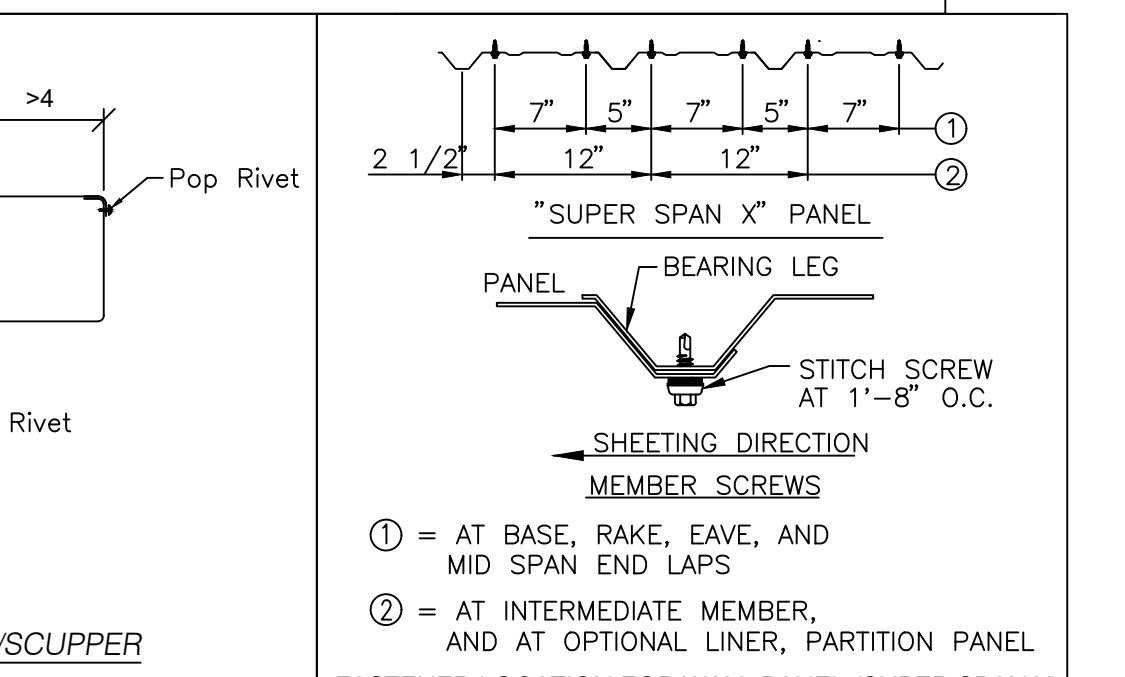
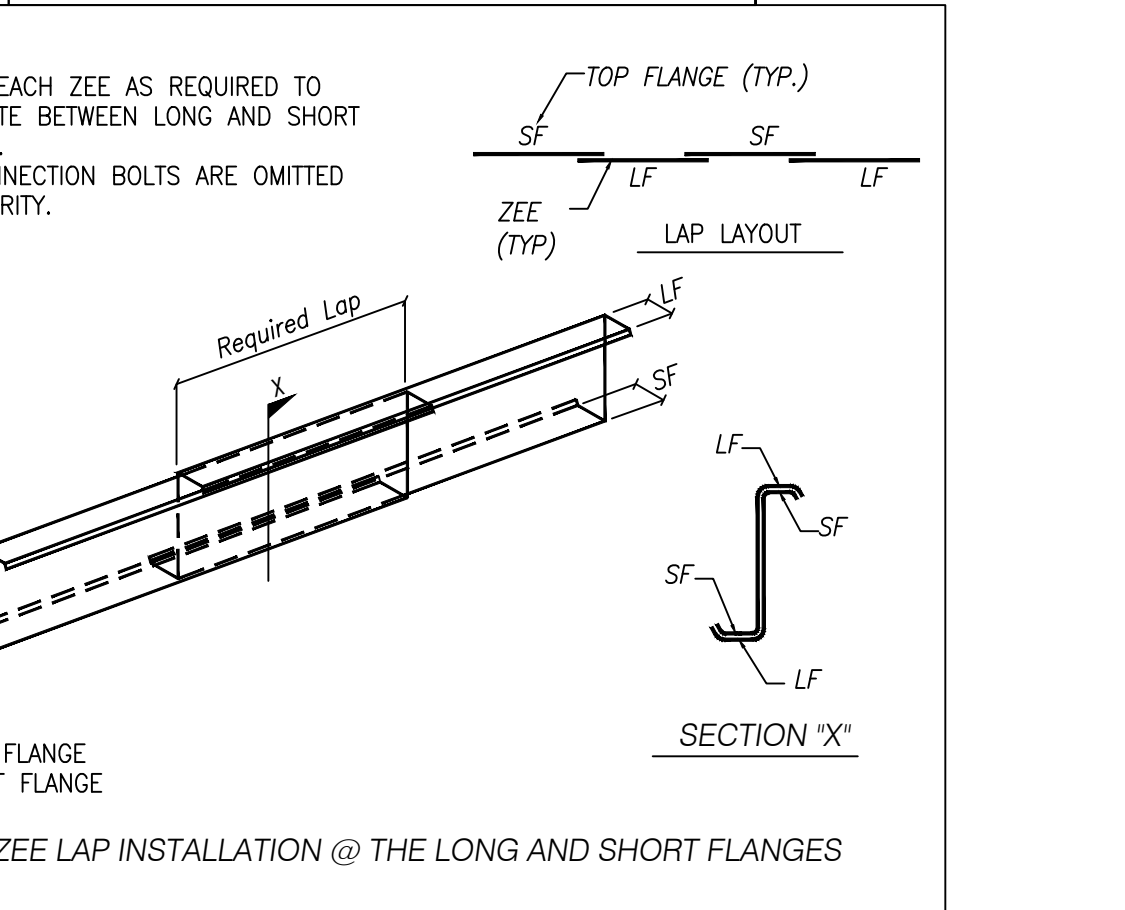
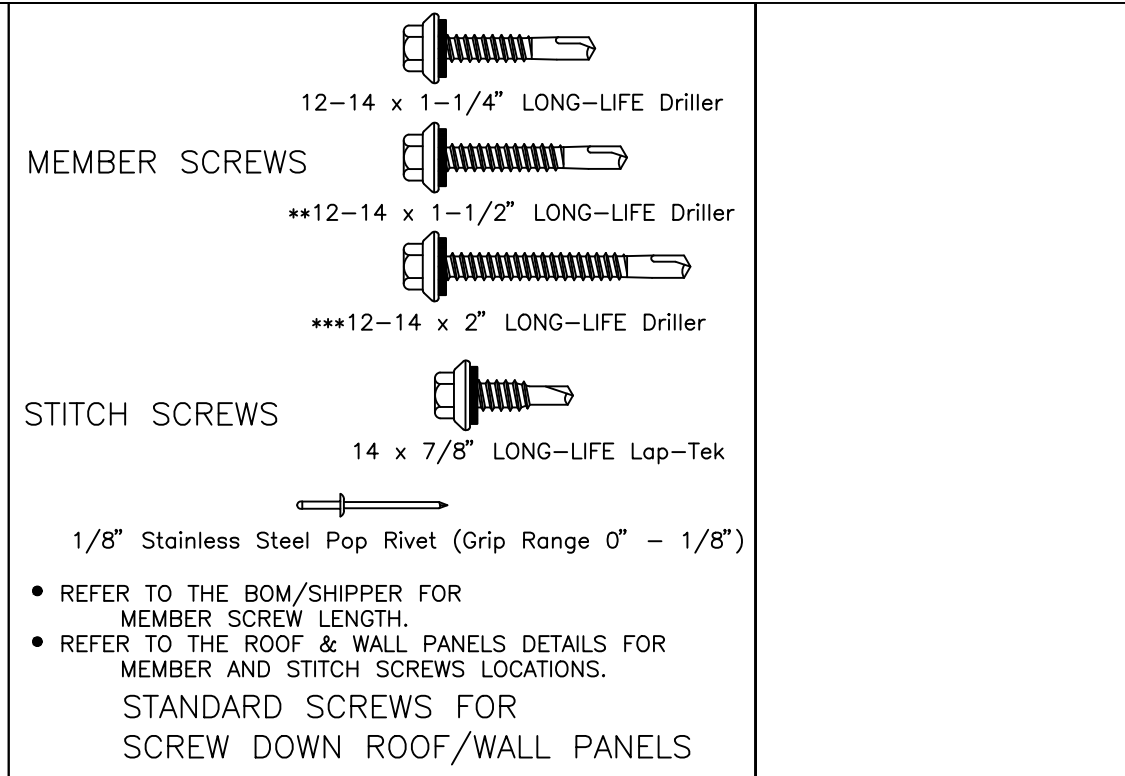
STANDARD FASTENERS MISCELLANEOUS

1/4-14 x 1-1/4" HWH TCP2 5/16" HEAD SELF-DRILLER NO SEALING WASHER - ZINC-PLATED

1/4-14 x 1-1/4" HWH SHOULDERED TCP3 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

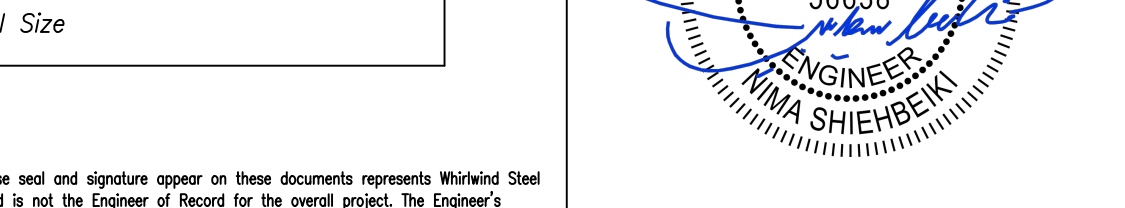


Description: 1/4-14 x 7/8 Hex Head Undercut (#14 x 7/8 Long-Life #1 Point Self-Drilling Lap-Lap-Tek S.D.S.)

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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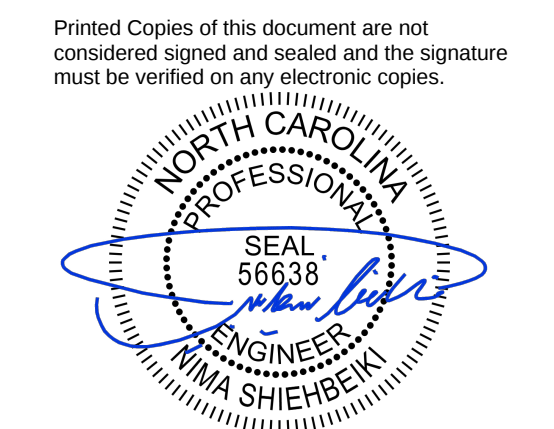
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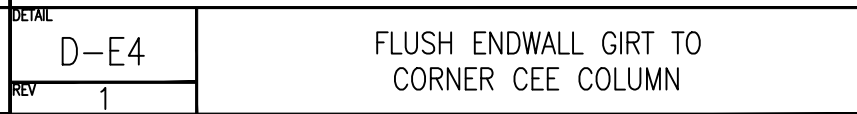
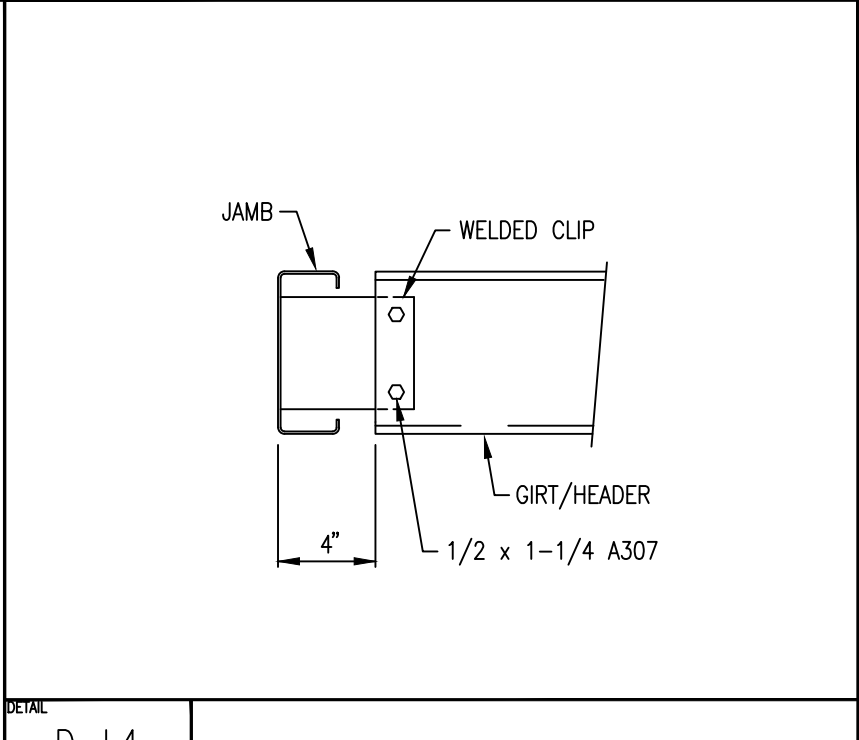
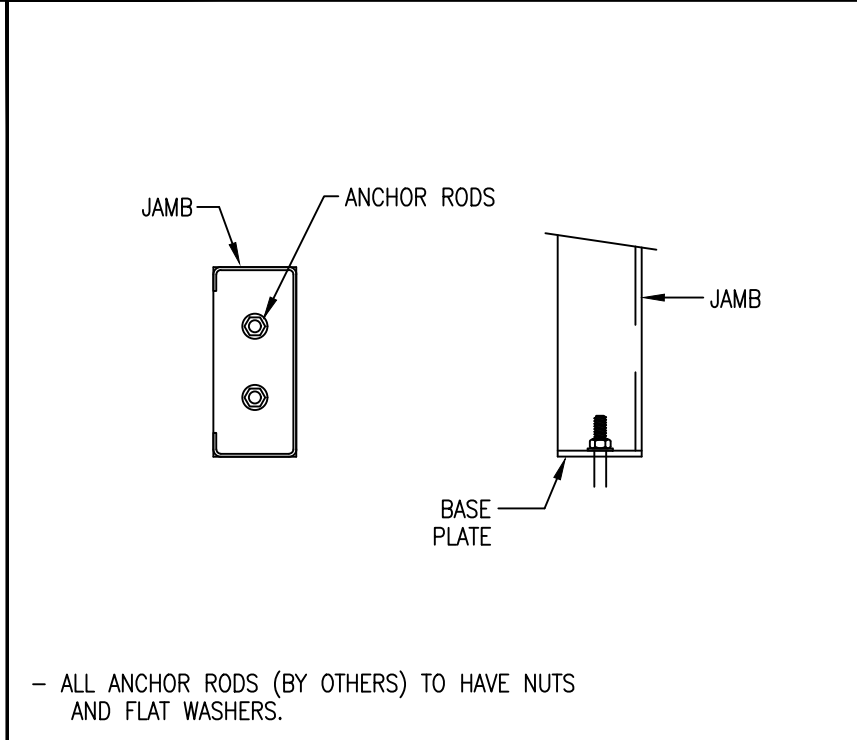
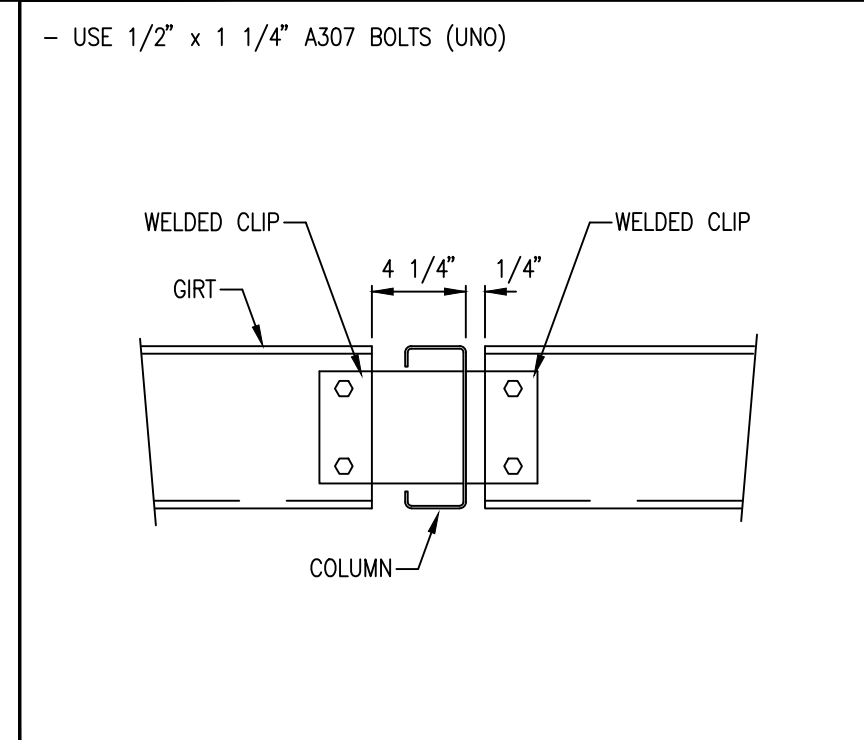
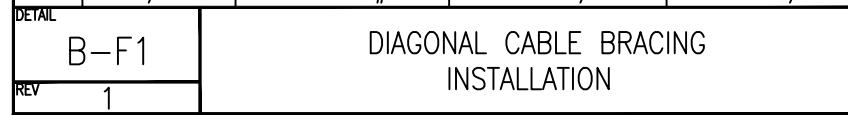
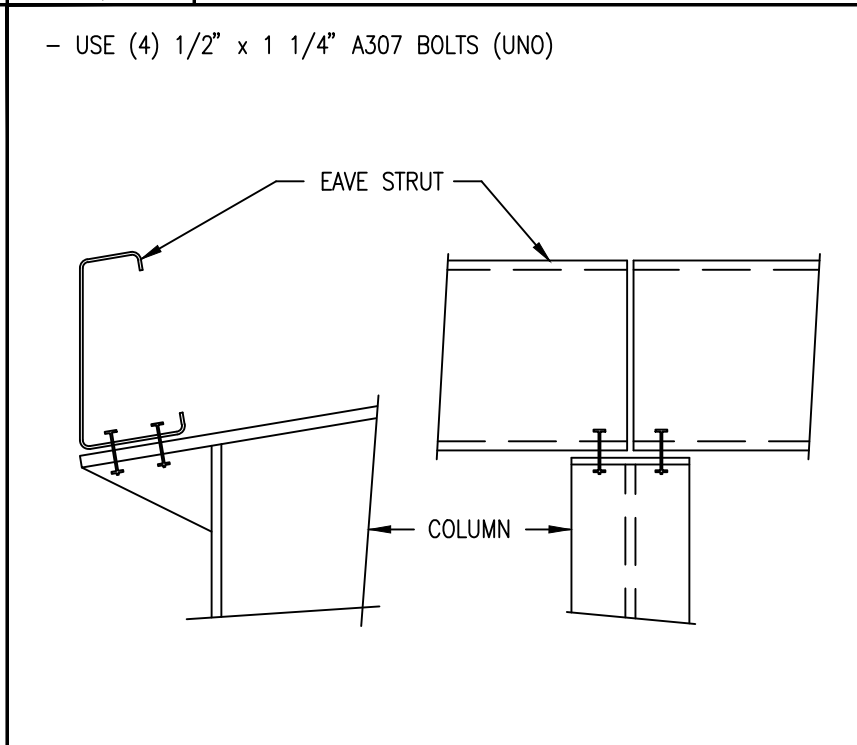
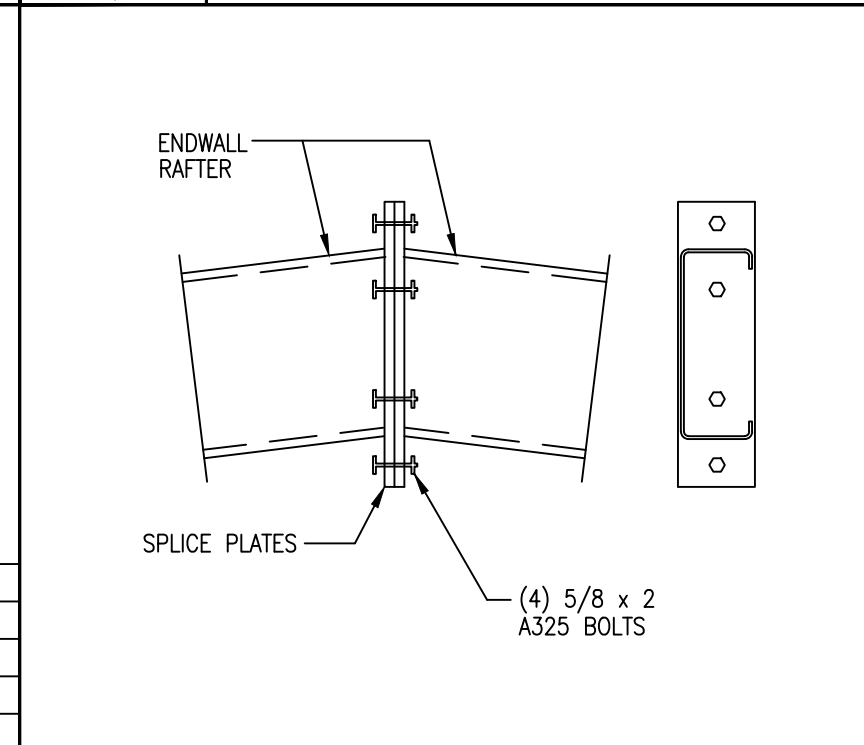
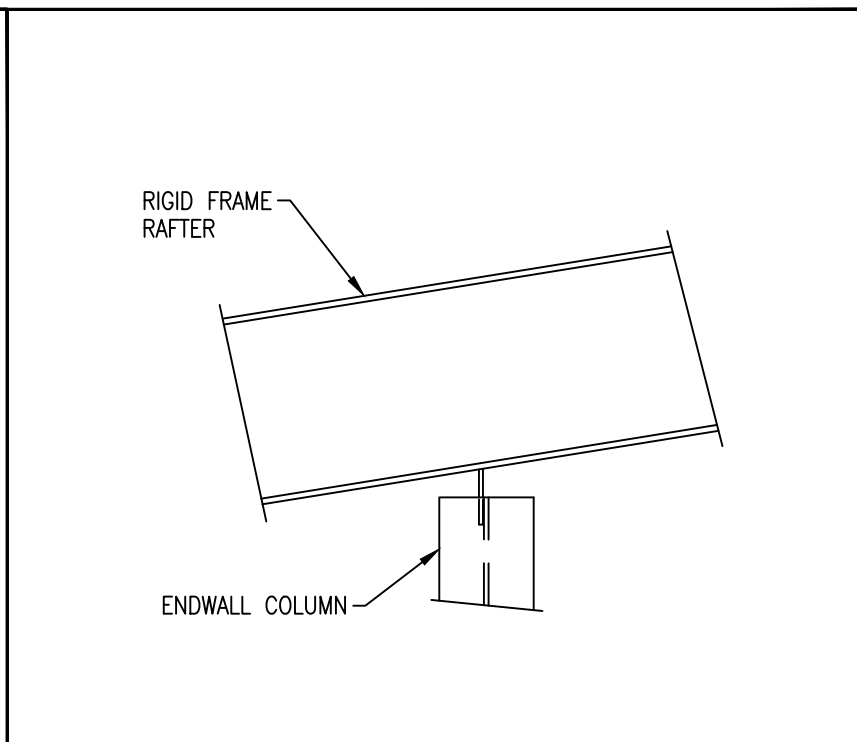
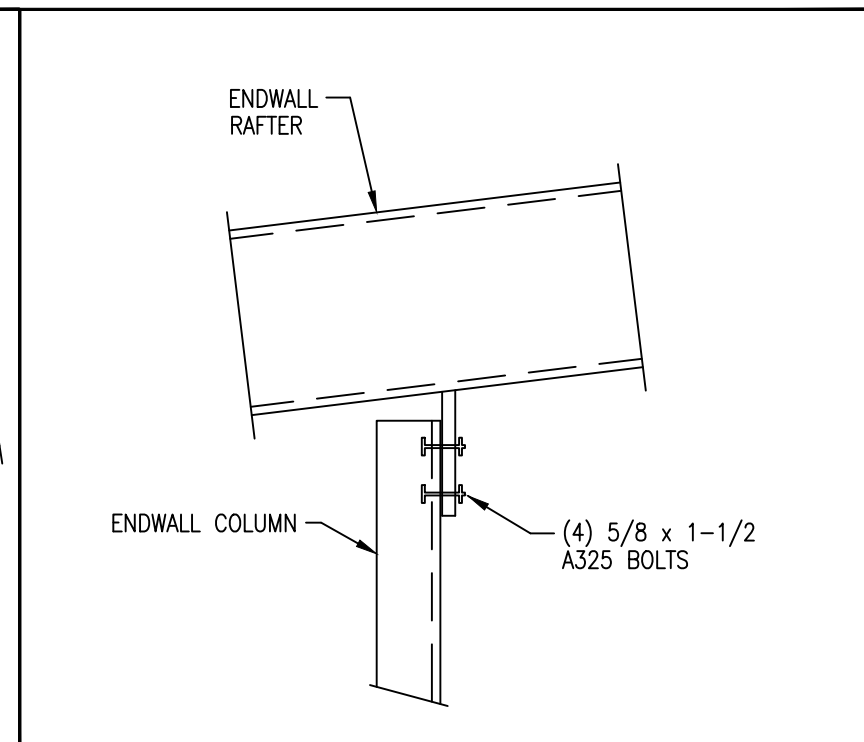


ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC

SHEET DESCRIPTION: STANDARD DETAIL PAGE		BLDG SIZE: 50'-0" x 70'-0" x 16'-0"	
CUSTOMER: BAUCOM BUSINESS PLAZA		CUSTOMER LOCATION: FUQUAY VARINA, NC. 27526	
PROJECT REFERENCE: BAUCOM BUSINESS PLAZA		JOBSITE LOCATION: FUQUAY VARINA, NC. 27526	
JOBSITE COUNTY: WAKE		JOB NO: 16167-40530	
DWN: PND	CHK: PNC	DATE: 08.07.26	ENG: KEA
DWG NO: D1		ISSUE: P1	



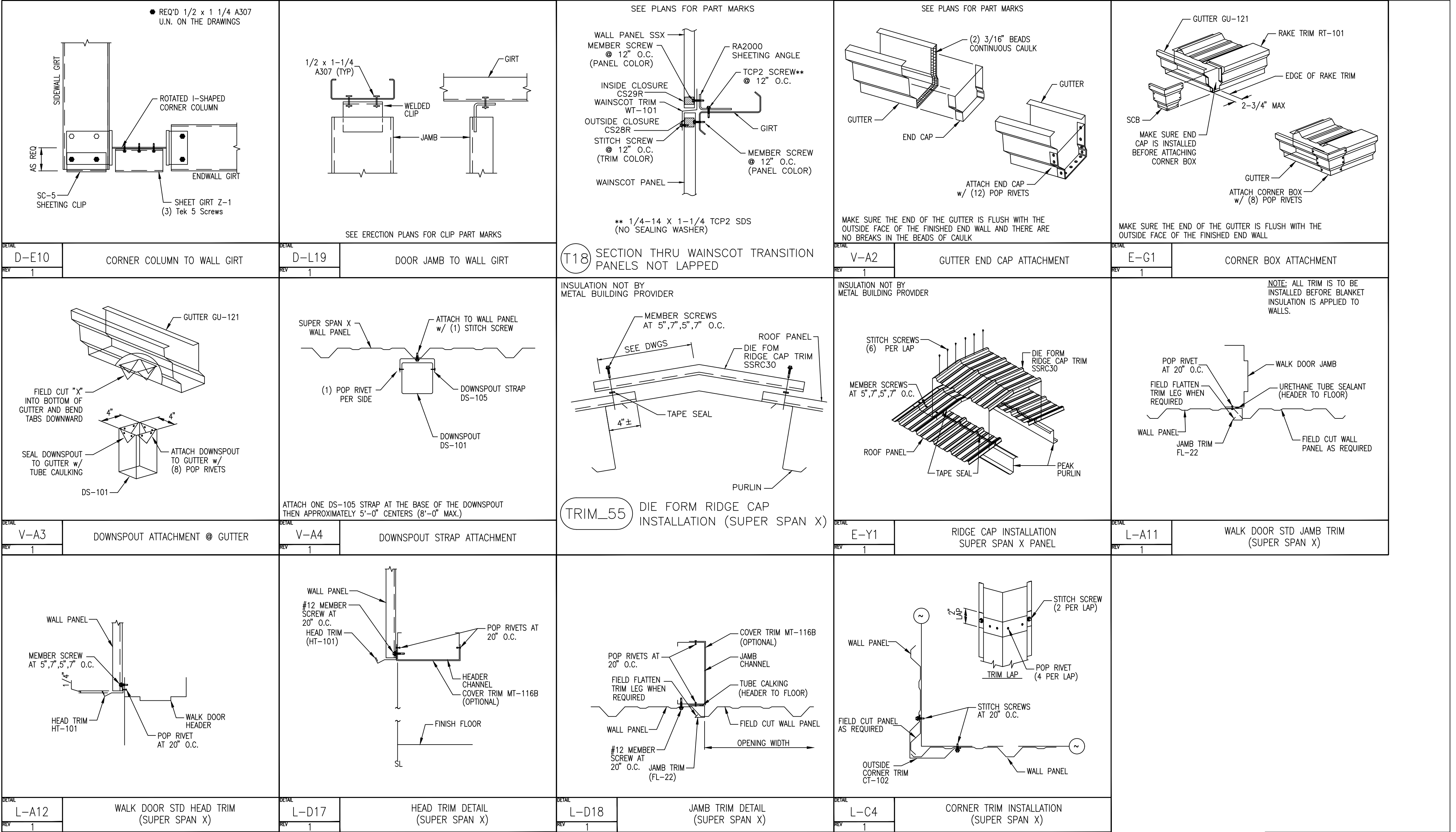
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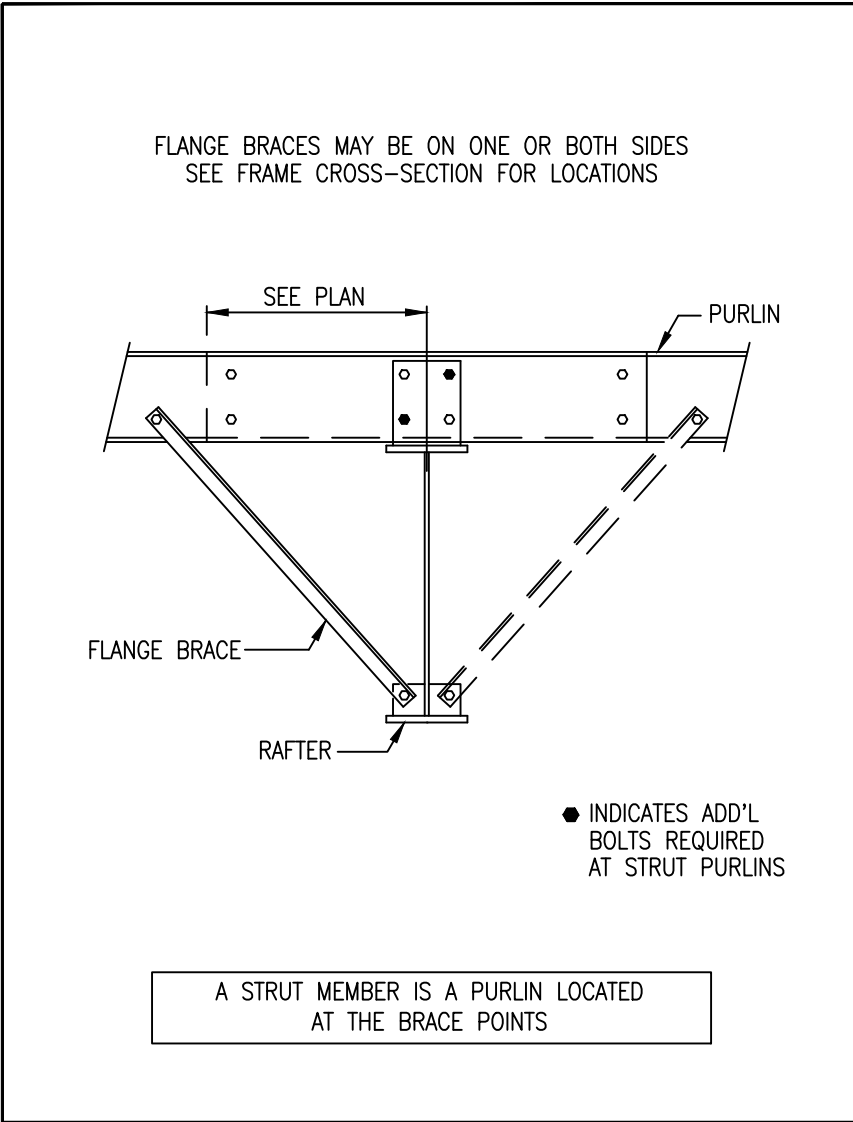


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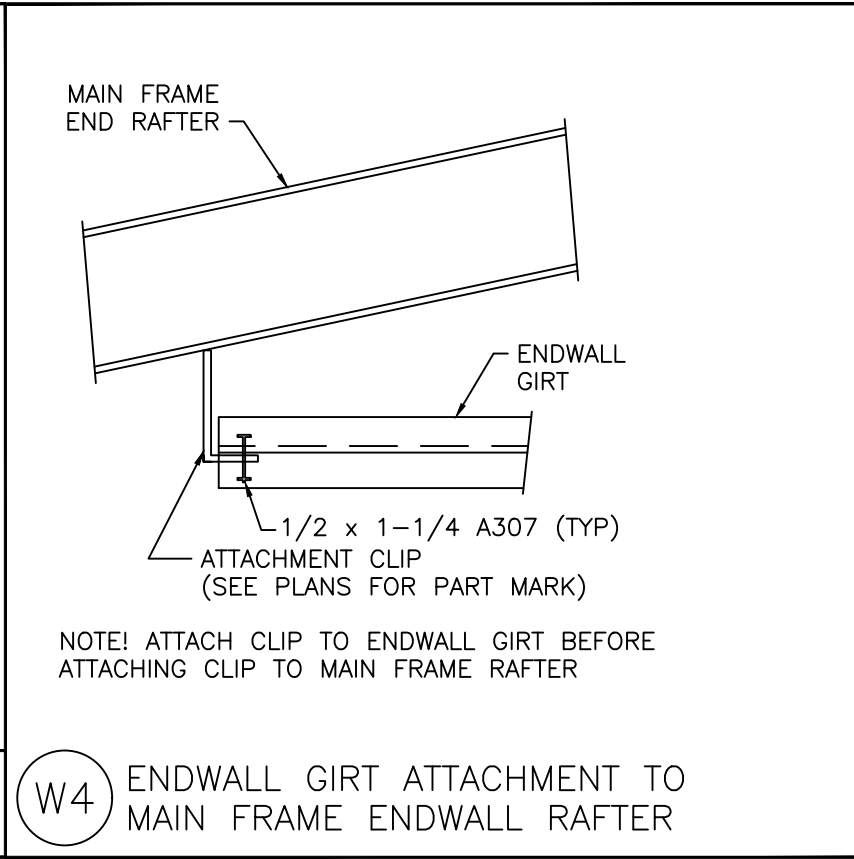
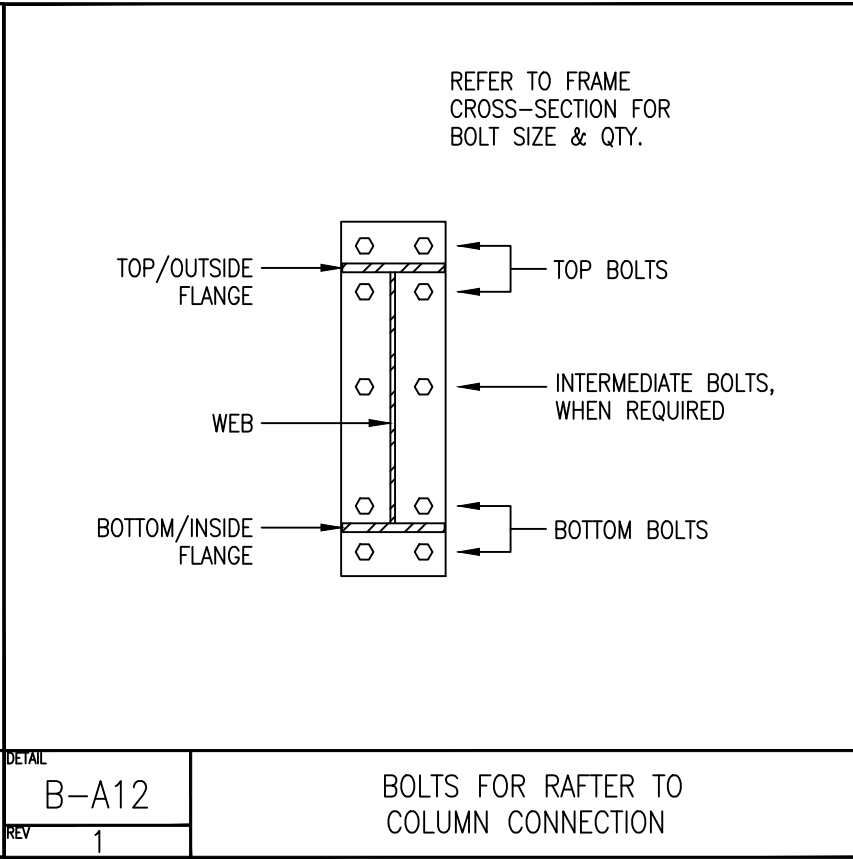
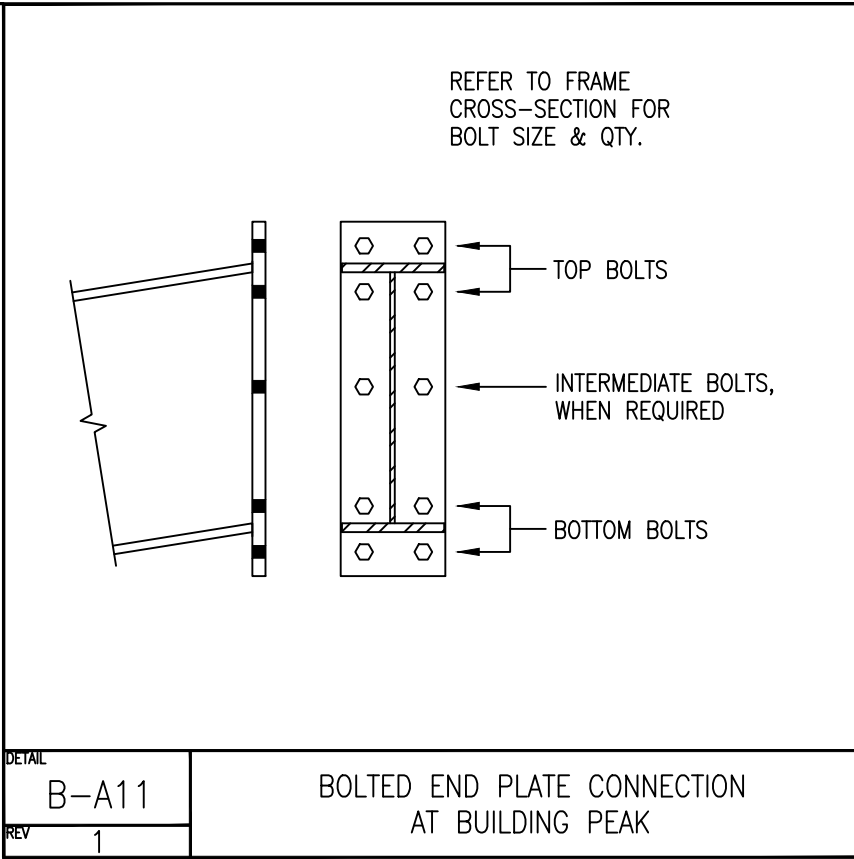


ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BUDG SIZE:
P1	08.07.26	FOR CONSTRUCTION PERMIT	PND	PNC	STANDARD DETAIL PAGE	50'-0" x 70'-0" x 16'-0"
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					PROJECT REFERENCE: BAUCOM BUSINESS PLAZA	
					JOB SITE LOCATION: FUQUAY VARINA, NC. 27526	JOB SITE COUNTY: WAKE
					DWN: PND	WAKE
					CHK: PNC	JOB NO: 16167-40530
					DATE: 08.07.26	DWG NO: D2
					ENG: KEA	ISSUE: P1





BOLT REQUIREMENTS	
ALL BOLTS ARE 1/2" x 1 1/4" A307 (UNO)	
(6) BOLTS ARE REQUIRED AT STANDARD LAPS (8) BOLTS ARE REQUIRED AT STRUT MEMBERS (2) BOLTS ARE REQUIRED AT FLANGE BRACES	
SEE PLANS FOR EXCEPTIONS TO SIZE & QTY OF BOLTS.	
DETAIL B-E1 REV 1	ROOF PURLIN TO INTERIOR FRAME RAFTER



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PROJECT REFERENCE: BAUCOM BUSINESS PLAZA		JOBSITE COUNTY: WAKE	
JOBSITE LOCATION: FUQUAY VARINA, NC. 27526		DWG NO.: D4	
DWN: PND	CHK: PNC	DATE: 08.07.26	ENG: KEA
JOB NO: 16167-40530		ISSUE: P1	

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