

**GENERAL NOTES**

- 1.1 Fabrication shall be in accordance with A.S.C. standard practices in compliance with the applicable sections, relating to design requirements and allowable stresses of the latest edition of the "AWS Structural Welding Code D1.1 and D1.3".
- 1.2 **MATERIALS**
- | ASTM DESIGNATION                      | MIN. YIELD STRENGTH                  |
|---------------------------------------|--------------------------------------|
| Hot Rolled Steel Shapes (W, & C)      | A572<br>Fy = 50 KSI                  |
| Hot Rolled Steel Angles (L)           | A36<br>Fy = 36 KSI                   |
| Steel Pipes                           | A500<br>Fy = 42 KSI                  |
| Structural Tubing                     | A500<br>Fy = 42 KSI                  |
| Structural Steel Web Plate            | A572/A1011<br>Fy = 50 KSI            |
| Structural Steel Flange Plates/Bars   | A529/A572<br>Fy = 55 KSI             |
| Cold Formed Light Gage                | A653/A1011<br>Fy = 55 KSI            |
| Roof and Wall Sheets                  | A792/A653<br>Fy = 50, 80 KSI         |
| Cable Brace                           | A475 - TYPE 1<br>Extra High Strength |
| Rod Brace                             | A529<br>Fy = 50 KSI                  |
| MIN. TENSILE STRENGTH                 |                                      |
| Machine Bolts & Nuts                  | A307<br>Fu = 60 KSI                  |
| High Strength Bolts (1" and less)     | A325-TYPE 1<br>Fu = 120 KSI          |
| High Strength Bolts (>1" to 1 1/2")   | A325-TYPE 1<br>Fu = 105 KSI          |
| Anchor Bolts (Not supplied by A.S.C.) | A36/A307/F1554<br>Fu = 60 KSI        |
- 1.3 **PRIMER**  
Shop primer paint is a rust inhibitive primer which meets the end performance of Federal Specification SSPC No. 15 and is A.S.C. Gray Oxide color. This paint is not intended for long term exposure to the elements. A.S.C. is not responsible for any deterioration of the shop primer paint as a result of improper handling and/or jobsite storage. A.S.C. shall not be responsible for any field applied paint and/or coatings. (AISC Code of Standard Practice, Latest Edition). Nominal thickness of primer will be 1 mil unless otherwise specified in contract documents.
- 1.4 **GALVANIZED OR SPECIAL COATINGS:**  
See Contract Documents
- 1.5 **ALL BOLTS ARE 1/2" x 0'-1 1/4" A307 EXCEPT:**  
a) Endwall rafter splice - 5/8" x 0'-1 3/4" A325-N  
b) Endwall column to rafter connection - 1/2" x 0'-1 1/4" A325 MIN.(SEE WALL ELEVATION)  
c) Main frame connections - SEE CROSS SECTION  
d) Flange Brace connections - 1/2" x 0'-1 1/4" A325  
NOTE: Washers are not supplied unless noted otherwise on drawing
- 1.6 **A325 BOLT TIGHTENING REQUIREMENTS**  
All high strength bolts are A325-N unless specifically noted otherwise. Holes are not slotted and design is bearing connection. Structural bolts shall be tightened by the turn-of-the-nut method in accordance with the Latest Edition AISC "Specification For Structural Joints" using ASTM A325 or A490 Bolts, when specifically required. A325-N bolts are supplied without washer unless otherwise noted on the drawings.  
All bolted connections unless noted are designed as bearing type connections with bolt threads not excluded from the shear plane.
- 1.7 **CLOSURE STRIPS ARE FURNISHED (IF ORDERED) FOR APPLICATION:**  
INSIDE - Under roof panels & base of wall panels  
OUTSIDE - Between roof panels & ridge cap  
- Between wall panels & sove/gable trim
- 1.8 **ERECTION NOTE:**  
All bracing, strapping, & bridging shown and provided by A.S.C. for this building is required and shall be installed by the erector as a permanent part of the structure. If additional bracing is required for stability during erection, it shall be the erector's responsibility to determine the amount of such bracing and to procure and install as needed.
- 1.9 **ERECTION AND UNLOADING NOT BY A.S.C.**
- 1.10 **SHORTAGES**  
Any claims or shortages by buyer must be made to A.S.C. within five (5) working days after delivery, or such claims will be considered to have been waived by the customer and disallowed.
- 1.11 **CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)**  
Claims for correction of alleged misfits will be disallowed unless A.S.C. shall have received prior notice thereof and allowed reasonable inspection of such misfits. The correction of minor misfits by the use of drift pins to draw the components into line, moderate amounts of reaming, chipping and cutting, and the replacement of minor shortages of material are a normal part of erection and are not subject to claim. No part of the Building may be returned for alleged misfits without the prior approval of A.S.C.
- BUYER/END USE CUSTOMER RESPONSIBILITIES**
- 2.1 It is the responsibility of the BUYER/END USE CUSTOMER to obtain appropriate approvals and secure necessary permits from City, County, State, or Federal Agencies as required, and to advise/release A.S.C. to fabricate upon receiving such.
- 2.2 Armstrong Steel Corp (hereafter referred to as A.S.C.) standard specifications apply unless stipulated otherwise in the Contract Documents. A.S.C. design, fabrication, quality criteria, standards, practice, methods and tolerances shall govern the work with any other interpretations to the contrary notwithstanding. It is understood by both Parties that the BUYER/END USE CUSTOMER is responsible for clarification of inclusions or exclusions from the architectural plans and/or specifications.
- 2.3 In case of discrepancies between A.S.C. structural steel plans and plans for other trades, A.S.C. plans shall govern. (Section 3 AISC Code of Standard Practices, Latest Edition)
- 2.4 Approval of A.S.C. drawings and calculations indicates that A.S.C. has correctly interpreted and applied the Contract Documents. This approval constitutes the contractor/owners acceptance of the A.S.C. design concepts, assumptions, and loading. (Section 4 AISC Code and MBMA 3.3.3)
- 2.5 Once the BUYER/END USE CUSTOMER has signed A.S.C. Approval Package and the project is released for fabrication, changes shall be billed to the BUYER/END USE CUSTOMER including material, engineering and other costs. An additional fee may be charged if the project must be moved from the fabrication and shipping schedule.
- 2.6 The BUYER/END USE CUSTOMER is responsible for overall project coordination. All interface, compatibility, and design considerations concerning any materials not furnished by A.S.C. and A.S.C. steel system are to be considered and coordinated by the BUYER/END USE CUSTOMER. Specific design criteria concerning this interface between materials must be furnished before release for fabrication or A.S.C. assumptions will govern (AISC Code of Standard Practice, Latest Edition)



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**JOB NO. : 57249**

**CUSTOMER :**  
**END USER :**  
**END USE :**  
**LOCATION :**  
**PH. NO. :**

**THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED:**

**DESIGN LOADS:**

**Design Code / Wind Code** : IBC-18  
**Building Risk Category** : II-Normal  
**Enclosure** : Closed  
**Dead Load (psf)** : 2.50  
**Collateral Load (psf)** : 8.00  
**Wind Load**  
Ultimate Wind Speed, (Vult) (mph) : 142.00  
Wind Exposure : C  
Internal Pressure Coefficient, GCpi : 0.18/-0.18  
Wall Panel Design Wind Pressure (psf) : 47.00/-50.90  
**Live Load**  
Primary Framing (psf) : 20.00  
Trib. Area Reduction : No  
Secondary Framing (psf) : 20.00  
**Snow Load**  
Ground Snow Load, Pg (psf) : 0.00  
Roof Snow Load, Pf (psf) : 0.00  
Sloped Roof Snow Load, Ps (psf) : 0.00  
Snow Exposure Factor, Ce : 1.00  
Snow Importance Factor, Is : 1.00  
Thermal Factor, Ct : 1.00  
Sloped Factor, Cs : 1.00  
**Seismic Load**  
Seismic Importance Factor, Ie : 1.00  
Site Class : D  
Mapped Spectral Response Acceleration : Ss = 0.060 :S1 = 0.018  
Spectral Response Coefficients : Sds = 0.063 :Sd1 = 0.027  
Seismic Design Category : A  
Basic Force Resisting Systems Used : Steel System Not Specifically Detailed For Resistance  
Rigid Frames (OMF)  
: Braced Frames (OCBF/OMF)  
Total Design Base Shear, V (kips) : Longitudinal = 1.70  
: Transverse = 1.72  
Response Modification Factors, R : Rigid Frames = 3.00 Ω = 3.00  
: SW X-Bracing = 3.00 Ω = 3.00  
Seismic Response Coefficient, Cs : Rigid Frames = 0.0210  
: SW X-Bracing = 0.0210

Analysis Procedure Used : Equivalent Lateral Force Procedure  
Other Loads/Requirements

**BUILDING DESCRIPTION:**

**Width (ft)** : 60  
**Length (ft)** : 100  
**Eave Ht. at BSW (ft)** : 16  
**Eave Ht. at FSW (ft)** : 16  
**Roof Slope at BSW** : 4.0:12  
**Roof Slope at FSW** : 4.0:12  
**Bay Spacing (ft)** : 4 at 25

**COVERING AND TRIMS:**

**Roof Panels & Trims**  
Panel Type : 26 Ga. R-Loc  
Panel Color : Galvalume Plus  
Trim Colors : Galvalume Plus  
Gable/Eave Trim : Galvalume Plus  
**Wall Panel & Trims**  
Panel Type : 26 Ga. R-Loc  
Panel Color : Galvalume Plus  
Trim Colors : Galvalume Plus  
Corner Trims : Galvalume Plus  
Opening Trims : Galvalume Plus  
Base Trim : Galvalume Plus

Drawing Index	
Drawing Name	Page(s)
Drawing Cover	---
3D Reference	3D REF.
Anchor Bolt Plan	1
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Rigid Frame	4
Front Sidewall	5
Back Sidewall	6
Left Endwall	7
Right Endwall	8
Roof Plan	9
Details	10-12

**BUYER/END USE CUSTOMER RESPONSIBILITIES CONTINUED**

- 2.7 It is the responsibility of the BUYER/END USE CUSTOMER to insure that A.S.C. plans comply with the applicable requirements of any governing building authorities. The supplying of sealed engineering data and drawings for the metal building system does not imply or constitute an agreement that A.S.C. or its design engineers are acting as the engineer of record or design professional for a construction project. These drawings are sealed only to certify the design of the structural components furnished by A.S.C.
- 2.8 The BUYER/END USE CUSTOMER is responsible for setting of anchor bolts and erection of steel in accordance with A.S.C. "For Construction" drawings only. Temporary supports such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined furnished and installed by the erector. No items should be purchased from a preliminary set of drawings, including anchor bolts. Use only final "FOR CONSTRUCTION DRAWINGS" for this use. (AISC Code of Standard Practice, Latest Edition.)
- 2.9 Armstrong Steel Corp is responsible for the design of the anchor bolt to permit the transfer of forces between the base plate and the anchor bolt in shear, bearing and tension, but is not responsible for the transfer of anchor bolt forces to the concrete or the adequacy of the anchor bolt in relation to the concrete. Unless otherwise provided in the Order Documents, A.S.C. does not design and is not responsible for the design, material and construction of the foundation or foundation embedments. The END USE CUSTOMER should assure himself that adequate provisions are made in the foundation design for loads imposed by column reactions of the building, other imposed loads, and bearing capacity of the soil and other conditions of the building site. It is recommended that the anchorage and foundation of the building be designed by a Registered Professional Engineer experienced in the design of such structures. (Latest MBMA Low Rise Building Systems Manual)
- 2.10 Normal erection operations include the corrections of minor misfits by moderate amounts of reaming, chipping, welding or cutting, and the drawing of elements into line through the use of drift pins. Errors which cannot be corrected by the foregoing means or which require major changes in member configuration are to be reported immediately to A.S.C. by the BUYER/END USE 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. (AISC Code of Standard Practice Latest Edition)
- 2.11 Neither the fabricator nor the BUYER/END USE CUSTOMER will cut, drill or otherwise alter his 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 BUYER/END USE CUSTOMER is responsible for furnishing complete information as to materials, size, location and number of alterations prior to preparation of shop drawings. (AISC Code of Standard Practice Latest Edition)
- 2.12 **WARNING:** In no case should Galvalume steel panels be used in conjunction with lead or copper. Both lead and copper have harmful corrosive effects on the Galvalume alloy coating when they are in contact with Galvalume steel panels. Even run-off from copper flashing, wiring, or tubing onto Galvalume should be avoided.
- 2.13 **SAFETY COMMITMENT:** Armstrong Steel Corp has a commitment to manufacture quality building components that can be safely erected. However, the safety commitment and job site practices of the erector are beyond the control of A.S.C. It is strongly recommended that safe working conditions and accident prevention practices be the top priority of any job site. Local, State, and Federal safety and health standards should always be followed to help insure workers safety. Make certain all employees know the safest and most productive way of erecting a building. Emergency procedures should be known to all employees. Daily meetings highlighting safety procedures are also recommended. The use of hard hats, rubber sole shoes for roof work, proper equipment for handling material, and safety nets where applicable, are recommended.
- 2.14 Roof drainage systems (gutter, downspouts, etc.) must be free of any obstruction to ensure smooth operation at any given time.
- 2.15 It is recommended by Factory Mutual (Reference: B2.44) that roofs be cleared of snow when half of the maximum snow depth is reached. The maximum snow depth can be estimated based on the design snow load and the density of snow and/or ice buildup. See Chart below.

ROOF SNOW LOAD (IN PSF)	EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES)	RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES)
20	16.60	8.30
25	17.25	8.62
30	17.90	8.95
35	18.55	9.28
40	19.20	9.60
45	19.85	9.92
50	20.50	10.25
55	21.15	10.58
60	21.80	10.90
65	22.45	11.22
70	23.10	11.55
75	23.75	11.88
80	24.40	12.20

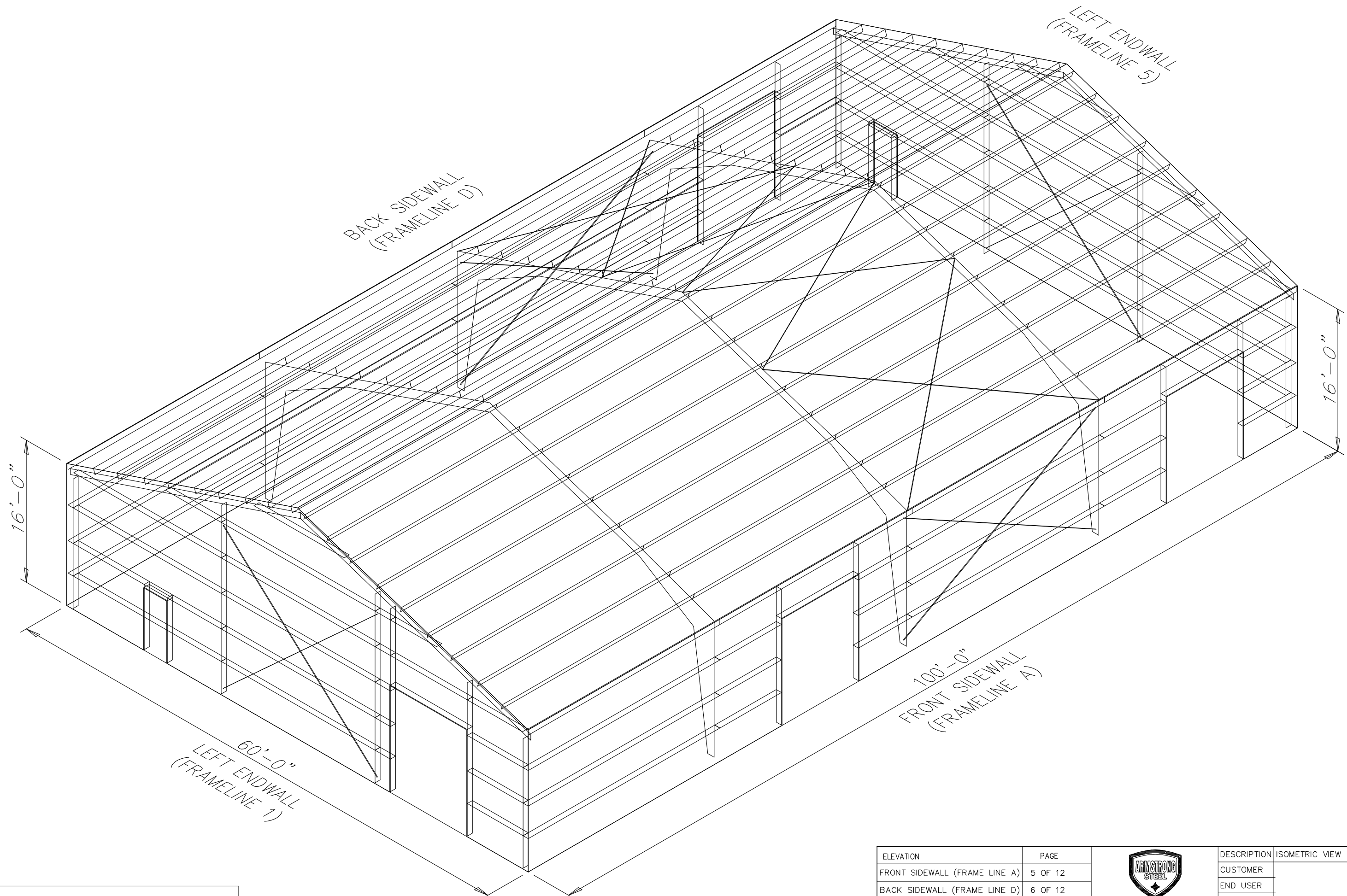
NOTE:  
For Snow/Ice Removal Procedure, Refer to Metal Building System Manual 2002 Edition, Section A8.4, Page XI-A8-2.

**Drawing Status**

- APPROVAL:**  **REVISED APPROVAL:**  
These drawings, being for approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "Construction" can be considered as complete.
- PERMIT:**  **REVISED PERMIT:**  
These drawings, being for permit, are by definition not final. Only drawings issued "Construction" can be considered as complete.
- CONSTRUCTION:**  
Final drawings to be used in the erection of the building.


JOB NO : 57249

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT ARMSTRONG STEEL ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY A.S.C. IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN ARMSTRONG ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.



NOTE:  
 3D IS A GENERAL REPRESENTATION OF BUILDING.  
 SOME MEMBERS MAY CHANGE IN FINAL ERECTION DRAWINGS

ELEVATION	PAGE
FRONT SIDEWALL (FRAME LINE A)	5 OF 12
BACK SIDEWALL (FRAME LINE D)	6 OF 12
LEFT ENDWALL (FRAME LINE 1)	7 OF 12
RIGHT ENDWALL (FRAME LINE 5)	8 OF 12

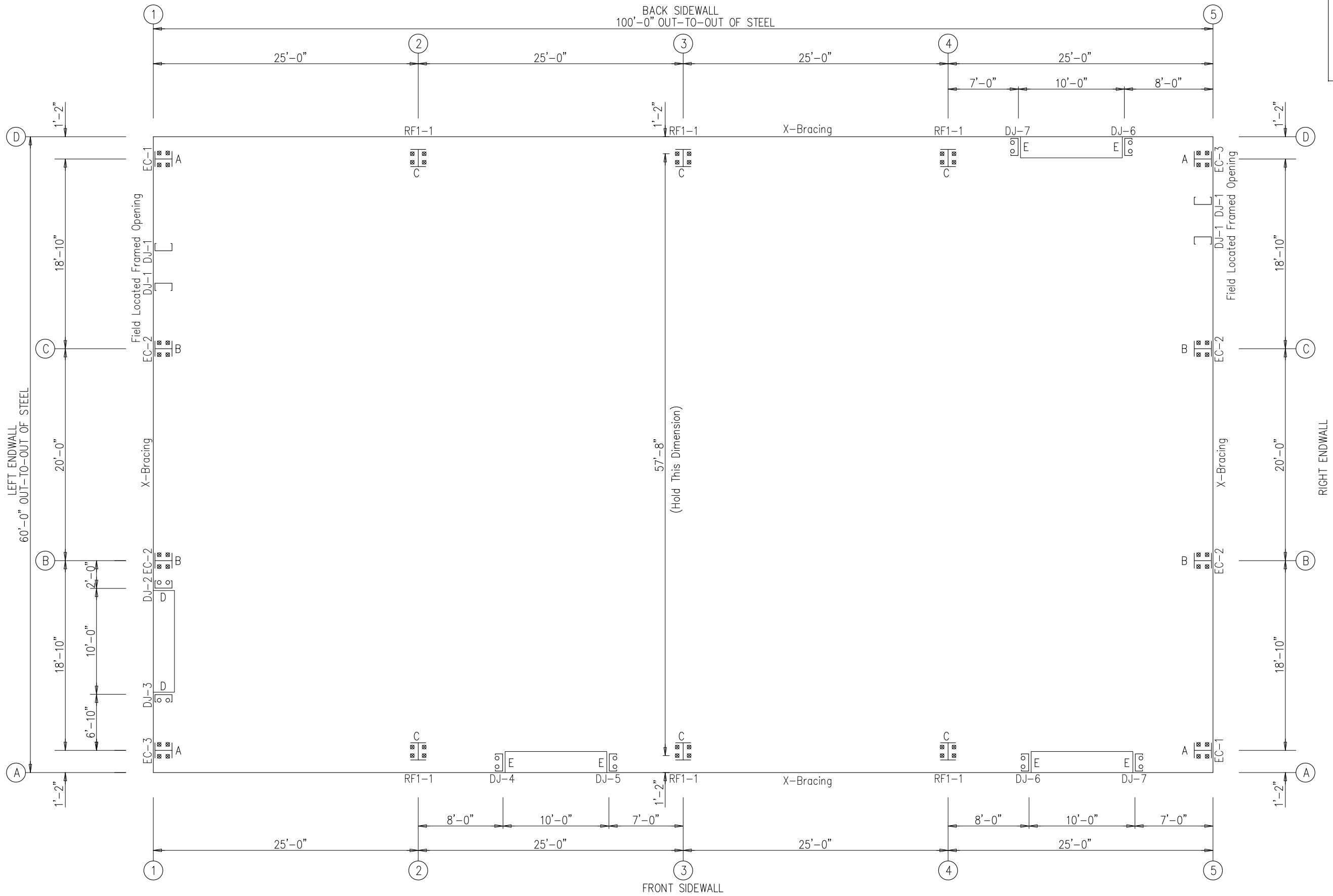


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DESCRIPTION	ISOMETRIC VIEW
CUSTOMER	
END USER	
SCALE	NOT TO SCALE
JOB NO.: 57249	ENG. BY: RA DATE: 9/15/21
	DWG. NO.: 3D REFERENCE ISSUE: C

ANCHOR BOLT SUMMARY

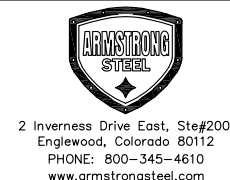
Qty	Locate	Dia (in)	Type
○ 16	Jamb	5/8"	A307
⊗ 32	Endwall	3/4"	A307
⊗ 24	Frame	3/4"	A307



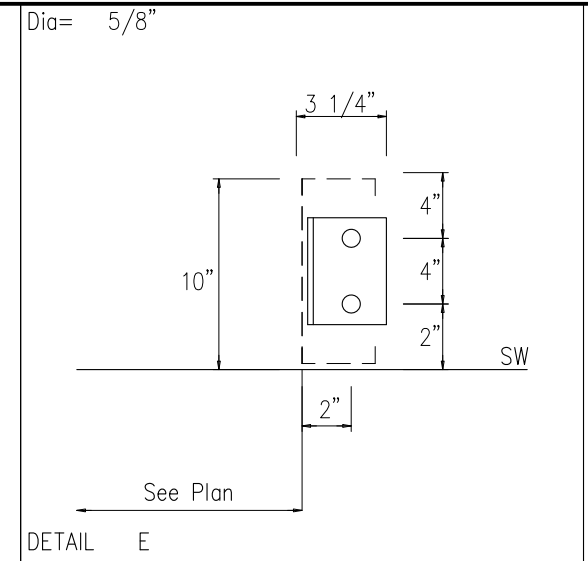
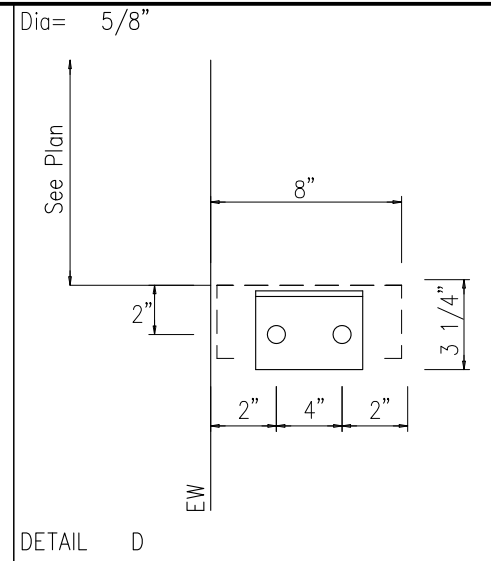
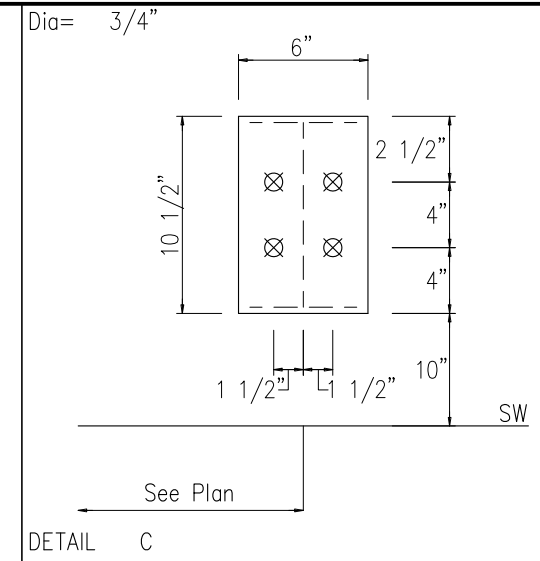
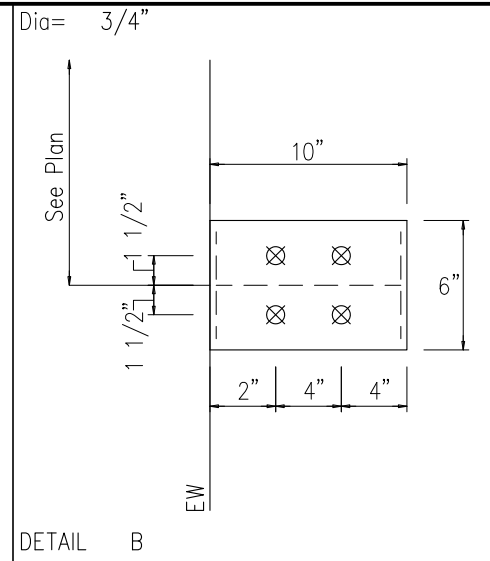
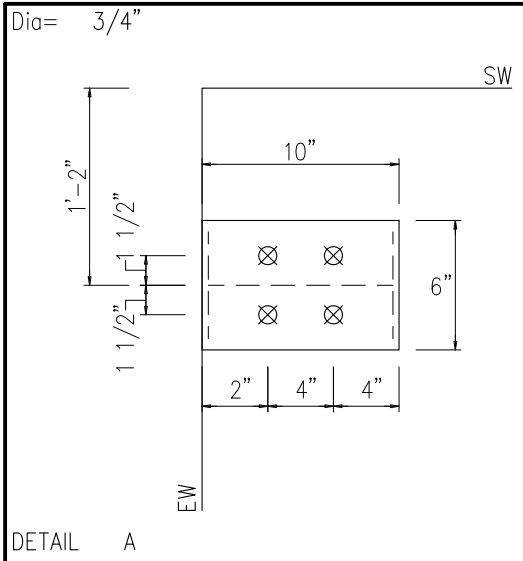
ANCHOR BOLT PLAN  
NOTE: All Base Plates @ 100'-0" (U.N.)

NOTE:  
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. A.S.C. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	08.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA



DESCRIPTION	ANCHOR BOLT PLAN		
CUSTOMER			
END USER			
SCALE	NOT TO SCALE		
JOB NO.:	57249	ENG. BY:	RA
		DATE:	9/15/21
		DWG. NO.:	1 OF 12
		ISSUE:	C



NOTE:  
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. A.S.C. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

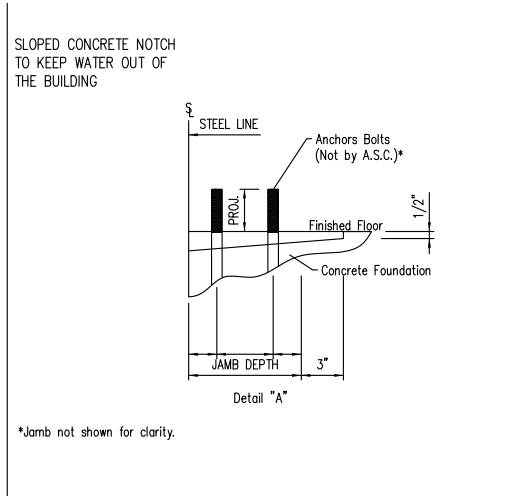
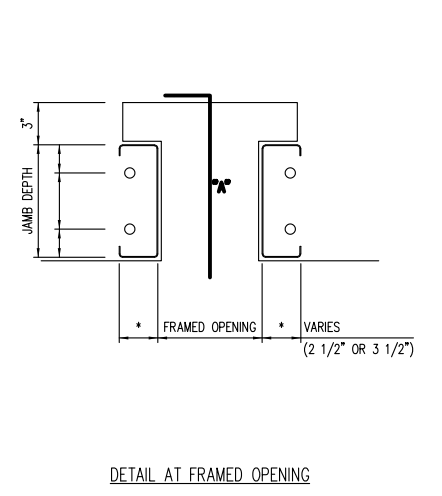
ANCHOR BOLT DIAMETERS HAVE BEEN DESIGNED BY THE METAL BUILDING MANUFACTURER BASED ON AISC METHOD WITH COMBINED SHEAR AND TENSION.

DEVELOPMENT, EMBEDMENT AND HOOK LENGTH OF ANCHOR BOLTS IN THE CONCRETE ARE DESIGN RESPONSIBILITY OF OTHERS. ALSO DESIGN OF SHEAR ANGLES, TENSION PLATES, HAIRPINS, AND ANY OTHER EMBEDDED MATERIAL IN THE CONCRETE SHALL BE DESIGNED AND PROVIDED BY OTHERS.

NOTE: ANCHOR BOLT PROJECTION IS FROM BOTTOM OF BASE PLATE.

Anchor Bolt Diameter	Projection
1/2"	1 1/2"
5/8"	2"
3/4"	2 1/2"
7/8"	3 1/2"
1"	3 1/2"
1 1/8"	3 1/2"
1 1/4"	3 1/2"

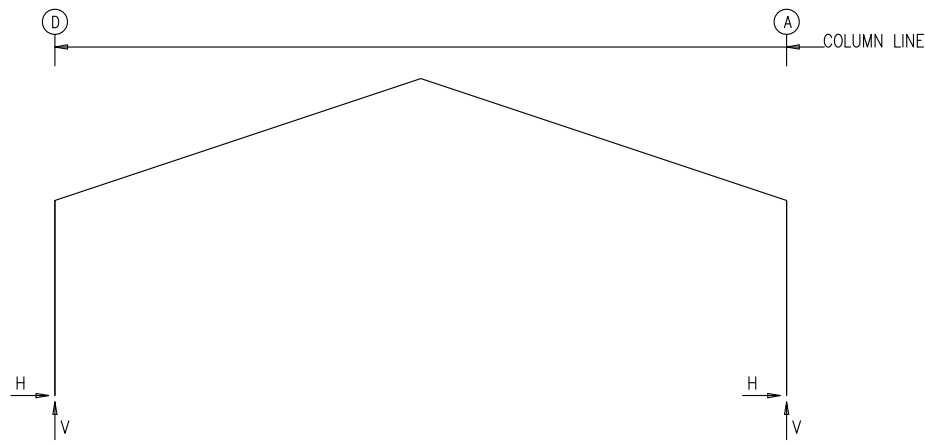
ANCHOR BOLT PROJECTION



ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	08.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA

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DESCRIPTION	ANCHOR BOLT DETAILS
CUSTOMER	
END USER	
SCALE	NOT TO SCALE
JOB NO.: 57249	ENG. BY: RA DATE: 9/15/21
	DWG. NO.: 2 OF 12 ISSUE: C



RIGID FRAME: BASIC COLUMN REACTIONS (k )

Frame Line	Column Line	Dead		Collateral		Live		Wind_Left1		Wind_Right1		Wind_Left2	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	1.3	2.8	3.4	6.3	8.1	15.0	-16.3	-25.5	-3.6	-19.5	-14.5	-14.8
2*	A	-1.3	2.8	-3.4	6.3	-8.1	15.0	3.6	-19.5	16.3	-25.5	1.8	-8.7

Frame Line	Column Line	Wind_Right2		Wind_Long1		Wind_Long2		Seismic_Left		Seismic_Right		Seismic_Long	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	-1.8	-8.7	-2.8	-27.7	-6.0	-25.0	-0.2	-0.1	0.2	0.1	0.0	-0.5
2*	A	14.5	-14.8	6.0	-25.0	2.8	-27.7	-0.2	0.1	0.2	-0.1	0.0	-0.5

2\* Frame lines: 2 3 4

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k )

Frm Line	Col Line	Dead	Collat	Live	Wind_Left1		Wind_Right1		Wind_Left2		Wind_Right2		Wind Press	Wind Suct
					Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert		
1	D	0.5	0.9	2.1	0.0	-4.8	0.0	-4.9	0.0	-2.5	0.0	-2.5	-2.9	3.4
1	C	1.2	2.3	5.5	-3.4	-16.0	0.0	-3.6	-3.4	-12.8	0.0	-0.5	-7.9	8.7
1	B	1.2	2.3	5.5	0.0	-3.6	3.4	-16.0	0.0	-0.5	3.4	-12.8	-7.9	8.7
1	A	0.5	0.9	2.1	0.0	-4.9	0.0	-4.8	0.0	-2.5	0.0	-2.5	-2.9	3.4
5	A	0.5	0.9	2.1	0.0	-4.8	0.0	-4.9	0.0	-2.5	0.0	-2.5	-2.9	3.4
5	B	1.2	2.3	5.5	-3.4	-16.0	0.0	-3.6	-3.4	-12.8	0.0	-0.5	-7.9	8.7
5	C	1.2	2.3	5.5	0.0	-3.6	3.4	-16.0	0.0	-0.5	3.4	-12.8	-7.9	8.7
5	D	0.5	0.9	2.1	0.0	-4.9	0.0	-4.8	0.0	-2.5	0.0	-2.5	-2.9	3.4

Frm Line	Col Line	Wind_Long1		Wind_Long2		Seis_Left		Seis_Right	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	0.0	-6.5	0.0	-4.2	0.0	0.0	0.0	0.0
1	C	0.0	-8.1	-2.4	-8.7	-0.2	-0.3	0.0	0.3
1	B	2.4	-8.7	0.0	-8.1	0.0	0.3	0.2	-0.3
1	A	0.0	-4.2	0.0	-6.5	0.0	0.0	0.0	0.0
5	A	0.0	-6.5	0.0	-4.2	0.0	0.0	0.0	0.0
5	B	0.0	-8.1	-2.4	-8.7	-0.2	-0.3	0.0	0.3
5	C	2.4	-8.7	0.0	-8.1	0.0	0.3	0.2	-0.3
5	D	0.0	-4.2	0.0	-6.5	0.0	0.0	0.0	0.0

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Column_Reactions(k )				Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)	
			Hmax	V	Load Id	Hmin			Width	Length	Thick		
2*	D	1	12.8	24.1	2	-9.0	-13.7	4	0.750	6.000	10.50	0.500	0.0
2*	A	3	9.0	-13.7	1	-12.8	24.1	4	0.750	6.000	10.50	0.500	0.0
		1	-12.8	24.1	5	0.9	-15.0						

2\* Frame lines: 2 3 4

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k )				Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)		
		Load Id	Hmax	V	Load Id			Width	Length	Thick			
1	D	6	2.0	-3.6	7	-1.8	-3.6	4	0.750	6.000	10.00	0.375	0.0
		1	0.0	3.5	6	2.0	-3.6						
1	C	8	5.2	-8.8	9	-4.7	-4.5	4	0.750	6.000	10.00	0.375	0.0
		1	0.0	9.1	8	5.2	-8.8						
1	B	10	5.2	-8.8	7	-4.7	-4.5	4	0.750	6.000	10.00	0.375	0.0
		1	0.0	9.1	10	5.2	-8.8						
1	A	11	2.0	-3.6	9	-1.8	-3.6	4	0.750	6.000	10.00	0.375	0.0
		1	0.0	3.5	11	2.0	-3.6						
5	A	6	2.0	-3.6	7	-1.8	-3.6	4	0.750	6.000	10.00	0.375	0.0
		1	0.0	3.5	6	2.0	-3.6						
5	B	8	5.2	-8.8	9	-4.7	-4.5	4	0.750	6.000	10.00	0.375	0.0
		1	0.0	9.1	8	5.2	-8.8						
5	C	10	5.2	-8.8	7	-4.7	-4.5	4	0.750	6.000	10.00	0.375	0.0
		1	0.0	9.1	10	5.2	-8.8						
5	D	11	2.0	-3.6	9	-1.8	-3.6	4	0.750	6.000	10.00	0.375	0.0
		1	0.0	3.5	11	2.0	-3.6						

NOTES FOR REACTIONS

Building reactions are based on the following building data:

- Width (ft) = 60.00
- Length (ft) = 100.00
- Eave Height (ft) = 16.00/16.00
- Roof Slope (rise/12) = 4.00/4.00
- Dead Load (psf) = 2.50
- Collateral Load (psf) = 8.00
- Live Load (psf) = 20.00
- Ultimate Wind Speed (vult) (mph) = 142.00
- Wind Code = IBC-18
- Exposure = C
- Closed/Open = C
- Importance Wind = 1.00
- Importance Seismic = 1.00
- Seismic Zone = A
- Seismic Coeff (Fa\*Ss) = 0.09

ID	Description
1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Long1L
5	0.6Dead+0.6Wind_Long2L
6	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
7	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
8	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
9	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
10	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
11	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type
16	Jamb	5/8"	A307
32	Endwall	3/4"	A307
24	Frame	3/4"	A307

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k )				Panel_Shear (lb/ft)	
			Wind Horiz	Wind Vert	Seismic Horiz	Seismic Vert	Wind	Seis
L_EW	1	C,B	3.4	3.7	0.2	0.2		
F_SW	A	3,4	9.4	5.2	0.8	0.5		
R_EW	5	B,C	3.4	3.7	0.2	0.2		
B_SW	D	4,3	9.4	5.2	0.8	0.5		

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	08.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA

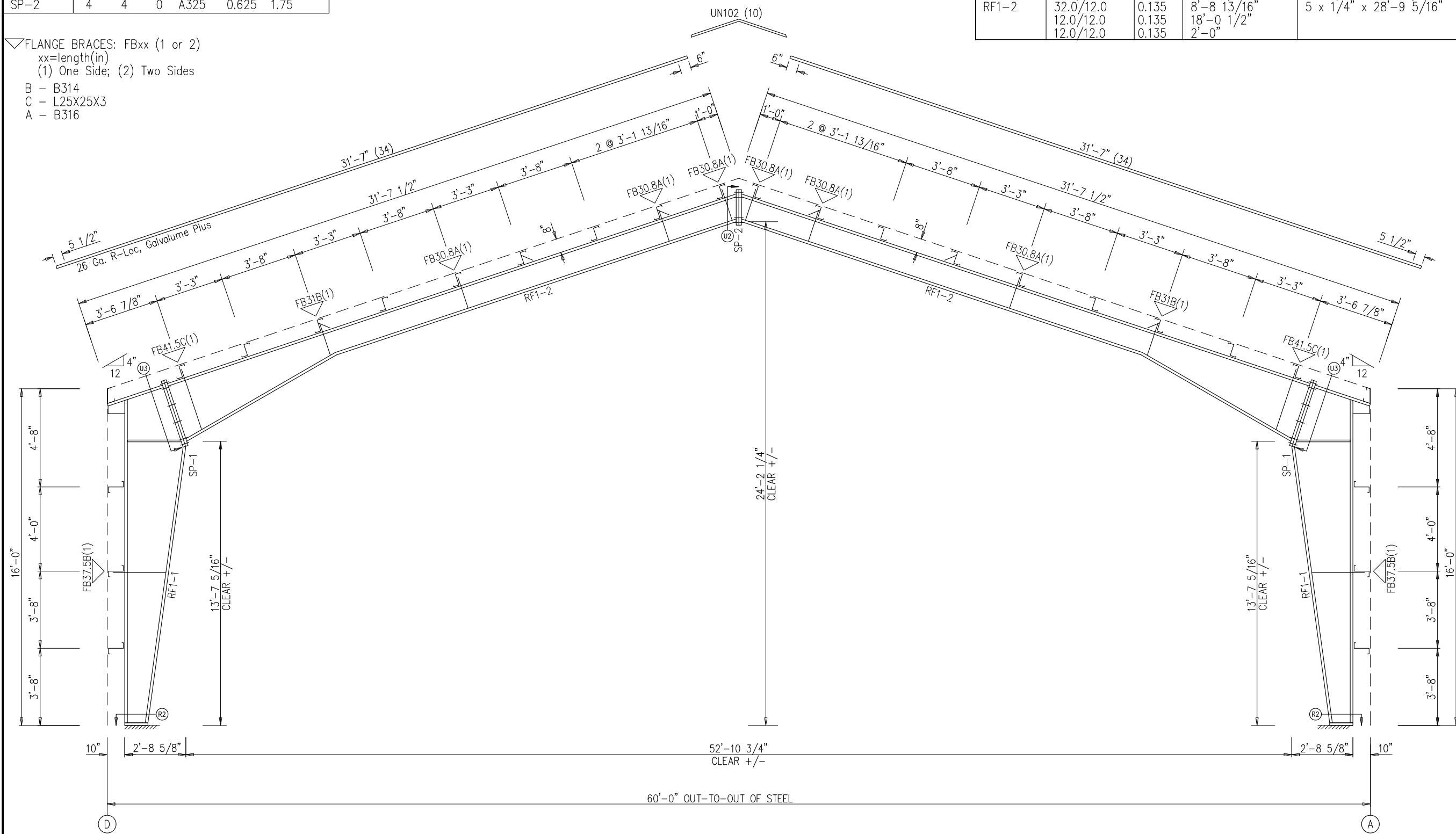
2 Inverness Drive East, Ste#200  
Englewood, Colorado 80112  
PHONE: 800-345-4610  
www.armstrongsteel.com

DESCRIPTION	ANCHOR BOLT REACTIONS
CUSTOMER	
END USER	
SCALE	NOT TO SCALE
JOB NO.: 57249	ENG. BY: RA DATE: 9/15/21
	DWG. NO.: 3 OF 12 ISSUE: C

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	4	A325	0.750	2.25
SP-2	4	4	0	A325	0.625	1.75

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start/End	Thick	Thick	Length	W x Thk x Length	W x Thk x Length
RF1-1	10.0/31.6	0.135	0.135	12'-11 7/8"	5 x 1/4" x 15'-6 1/8"	5 x 1/4" x 4'-6"
	31.6/32.0	0.188	0.188	3'-1 3/16"	5 x 1/4" x 2'-8 7/16"	5 x 3/8" x 8'-10 5/16"
	32.0/12.0	0.135	0.135	8'-8 13/16"	5 x 1/4" x 28'-9 5/16"	5 x 3/8" x 8'-4 13/16"
RF1-2	12.0/12.0	0.135	0.135	18'-0 1/2"	5 x 1/4" x 28'-9 5/16"	5 x 5/16" x 10'-5"
	12.0/12.0	0.135	0.135	2'-0"		5 x 1/4" x 9'-9 3/8"

▽ FLANGE BRACES: FBxx (1 or 2)  
 xx=length(in)  
 (1) One Side; (2) Two Sides  
 B - B314  
 C - L25X25X3  
 A - B316



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

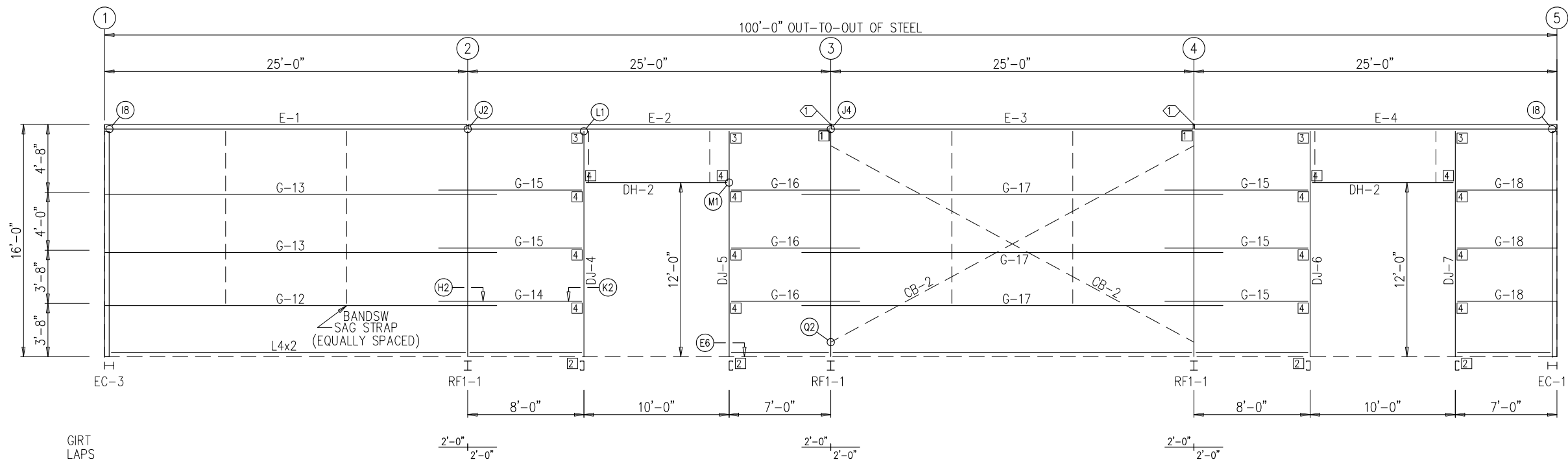
NOTE:  
 MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. A.S.C. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	08.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA



2 Inverness Drive East, Ste#200  
 Englewood, Colorado 80112  
 PHONE: 800-345-4610  
 www.armstrongsteel.com

DESCRIPTION	RIGID FRAME ELEVATION		
CUSTOMER			
END USER			
SCALE	NOT TO SCALE		
JOB NO.:	57249	ENG. BY:	RA
		DATE:	9/15/21
DWG. NO.:	4 OF 12	ISSUE:	C



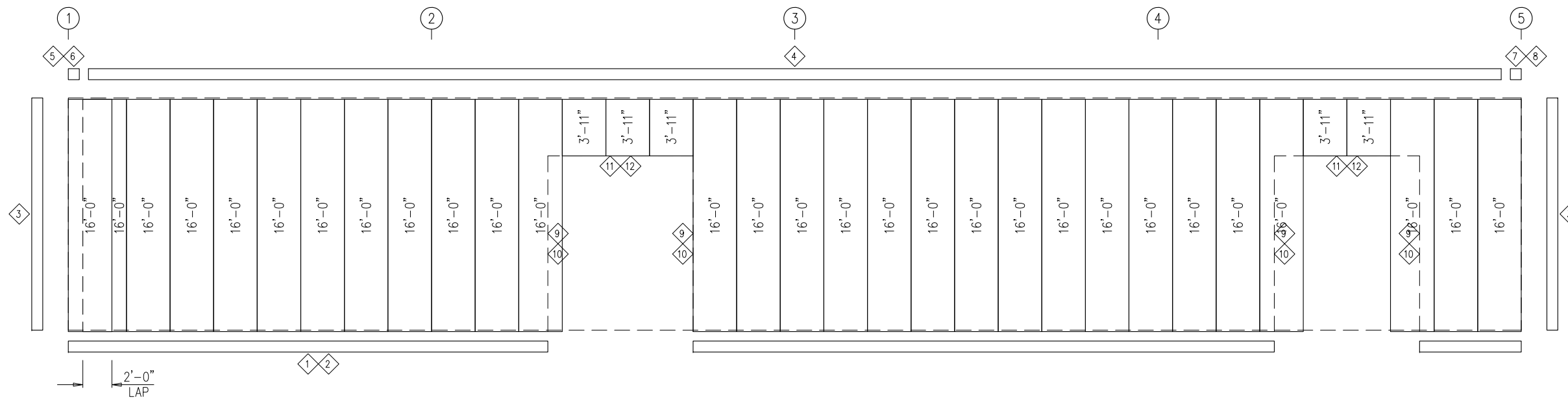
FRONT SIDEWALL FRAMING: FRAME LINE A

TRIM TABLE				
FRAME LINE A				
ID	QUAN	PART	LENGTH	DETAIL
1	4	BA6	20'-4"	TRIM_1
2	1	BA6102	10'-2"	TRIM_1
3	2	OU6	16'-2"	TRIM_30
4	5	Q7726	20'-4"	TRIM_61
5	1	Q773L6	6"	
6	1	AR961L6	7 7/16"	TRIM_60
7	1	Q773R6	6"	
8	1	AR961R6	7 7/16"	TRIM_60
9	4	AR3716	14'-2"	TRIM_50
10	4	JA6	12'-2"	TRIM_50
11	2	AR371610	10'-2"	TRIM_51
12	2	HE6	10'-3"	TRIM_51

MEMBER TABLE				
FRAME LINE A				
QUAN	MARK	PART	LENGTH	
1	DJ-4	10X25C16	15'-3"	
1	DJ-5	10X25C16	15'-3"	
1	DJ-6	10X25C14	15'-3"	
1	DJ-7	10X25C14	15'-3"	
2	DH-2	10X25C16	9'-11"	
1	E-1	08536DU4	24'-11"	
1	E-2	08536DU4	24'-11"	
1	E-3	08536DU4	24'-11"	
1	E-4	08536DU4	24'-11"	
1	G-12	10X35Z16	26'-11 1/2"	
2	G-13	10X25Z14	26'-11 1/2"	
1	G-14	10X35Z16	9'-8"	
5	G-15	10X25Z16	9'-8"	
3	G-16	10X25Z16	8'-8"	
3	G-17	10X25Z16	29'-0"	
3	G-18	10X25Z16	6'-7 1/2"	
2	CB-2	GS1724	29'-3"	

SPECIAL BOLTS					
ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	2

CONNECTION PLATES		
FRAME LINE A		
ID	QUAN	MARK/PART
1	2	BC-44
2	4	BC-05
3	4	BC-37E
4	16	BC-01

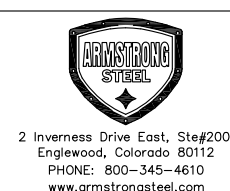


FRONT SIDEWALL SHEETING & TRIM: FRAME LINE A

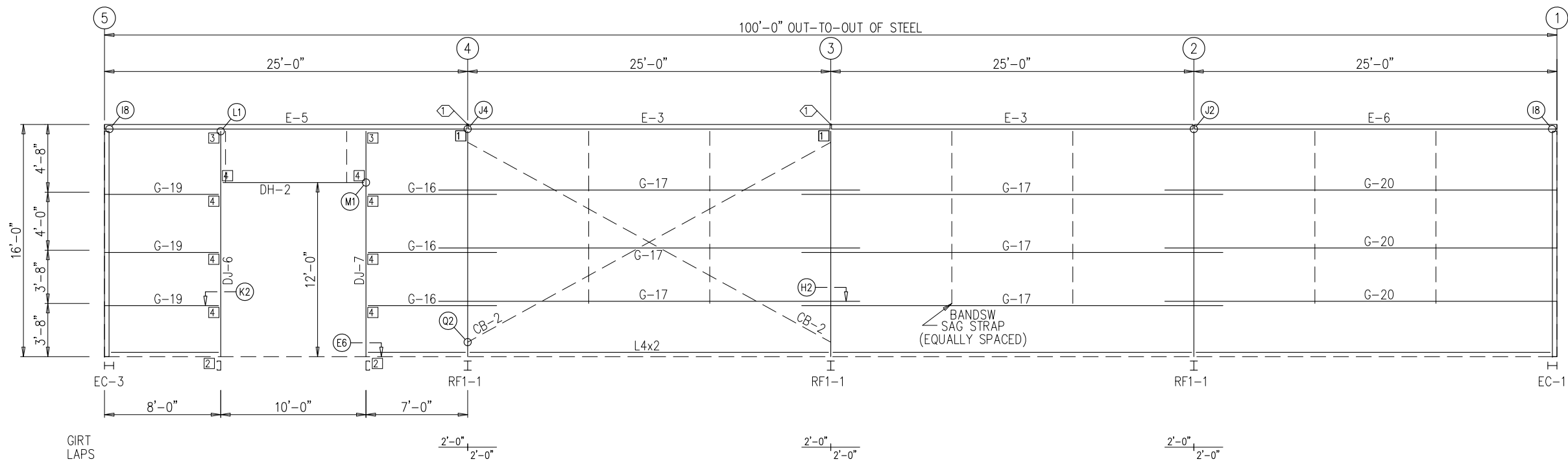
PANELS: 26 Ga. R-Loc - Galvalume Plus

NOTE:  
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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	08.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA



DESCRIPTION	SIDEWALL FRAMING & SHEETING	
CUSTOMER		
END USER		
SCALE	NOT TO SCALE	
JOB NO.:	57249	
ENG. BY:	RA	DATE: 9/15/21
DWG. NO.:	5 OF 12	ISSUE: C



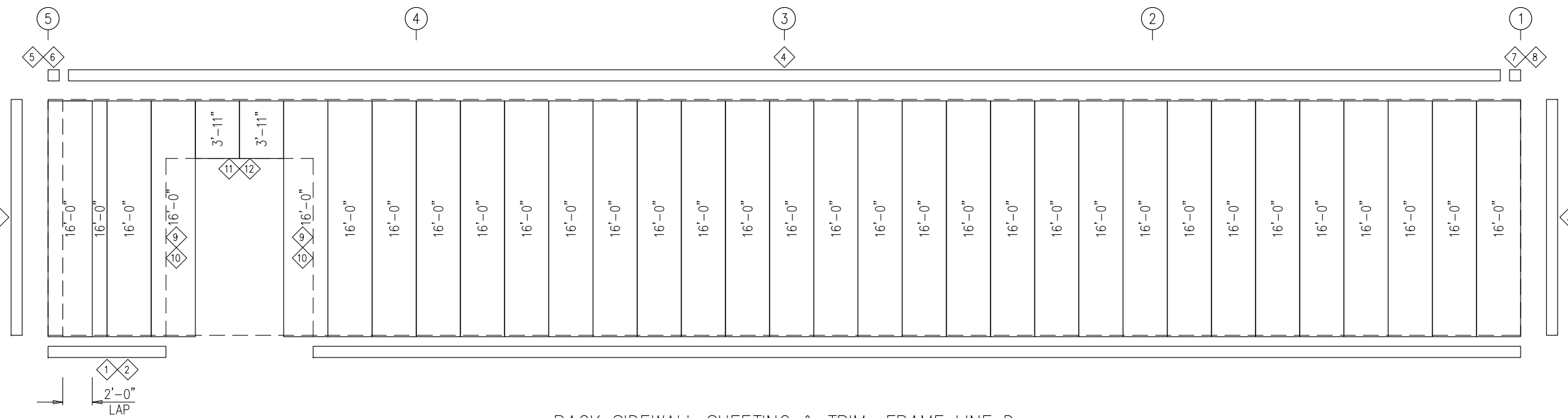
BACK SIDEWALL FRAMING: FRAME LINE D

TRIM TABLE				
FRAME LINE D				
ID	QUAN	PART	LENGTH	DETAIL
1	4	BA6	20'-4"	TRIM_1
2	2	BA6102	10'-2"	TRIM_1
3	2	OU6	16'-2"	TRIM_30
4	5	Q7726	20'-4"	TRIM_61
5	1	Q773L6	6"	
6	1	AR961L6	7 7/16"	TRIM_60
7	1	Q773R6	6"	
8	1	AR961R6	7 7/16"	TRIM_60
9	2	AR3716	14'-2"	TRIM_50
10	2	JA6	12'-2"	TRIM_50
11	1	AR371610	10'-2"	TRIM_51
12	1	HE6	10'-3"	TRIM_51

MEMBER TABLE				
FRAME LINE D				
QUAN	MARK	PART	LENGTH	
1	DJ-6	10X25C14	15'-3"	
1	DJ-7	10X25C14	15'-3"	
1	DH-2	10X25C16	9'-11"	
2	E-3	08536DU4	24'-11"	
1	E-5	08536DU4	24'-11"	
1	E-6	08536DU4	24'-11"	
3	G-16	10X25Z16	8'-8"	
6	G-17	10X25Z16	29'-0"	
3	G-19	10X25Z16	7'-7 1/2"	
3	G-20	10X25Z14	26'-11 1/2"	
2	CB-2	GS1724	29'-3"	

SPECIAL BOLTS					
ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	2

CONNECTION PLATES			
FRAME LINE D			
ID	QUAN	MARK/PART	
1	2	BC-44	
2	2	BC-05	
3	2	BC-37E	
4	8	BC-01	

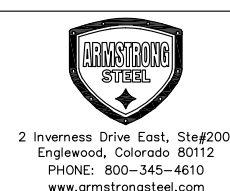


BACK SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. R-Loc - Galvalume Plus

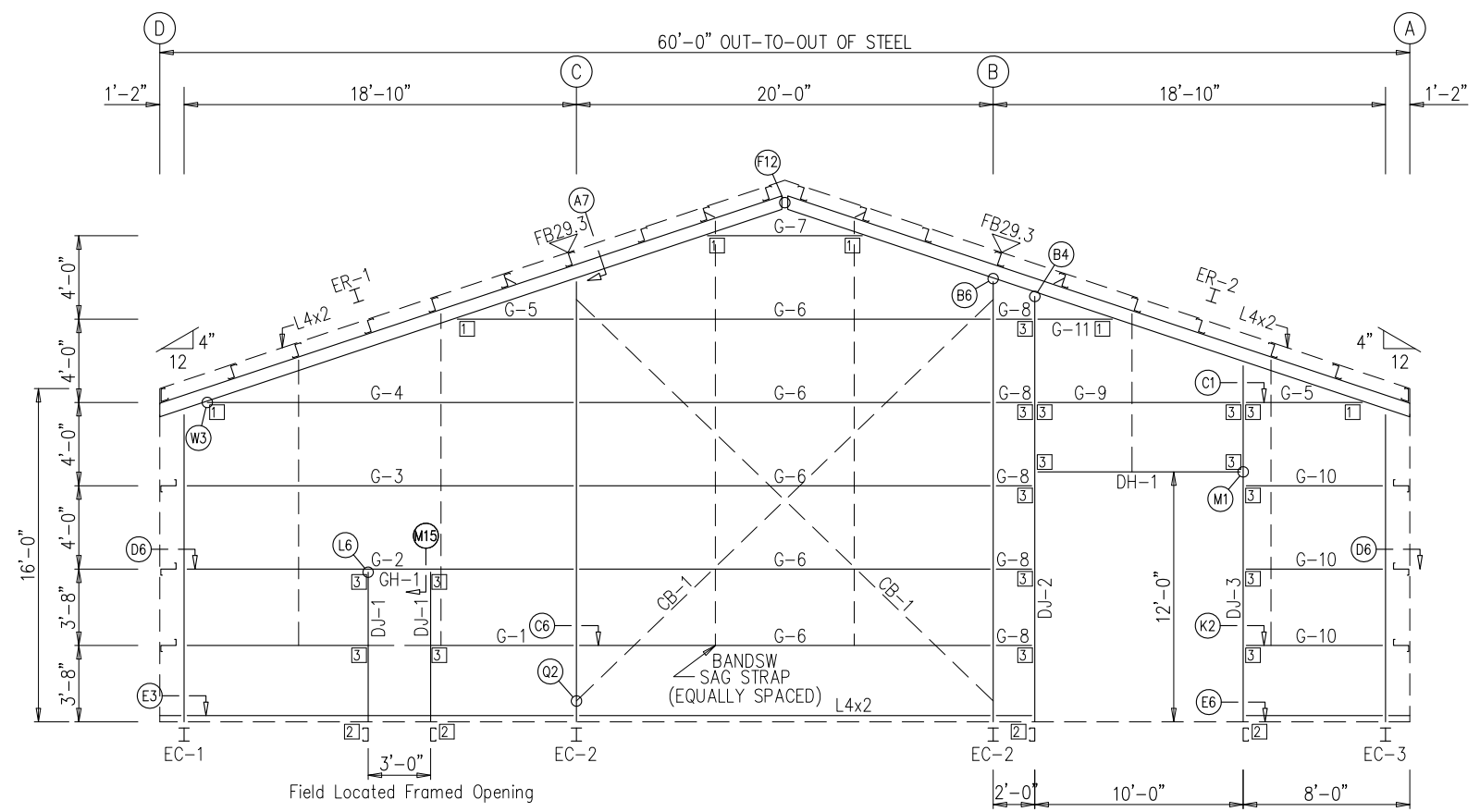
NOTE:  
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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	08.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA

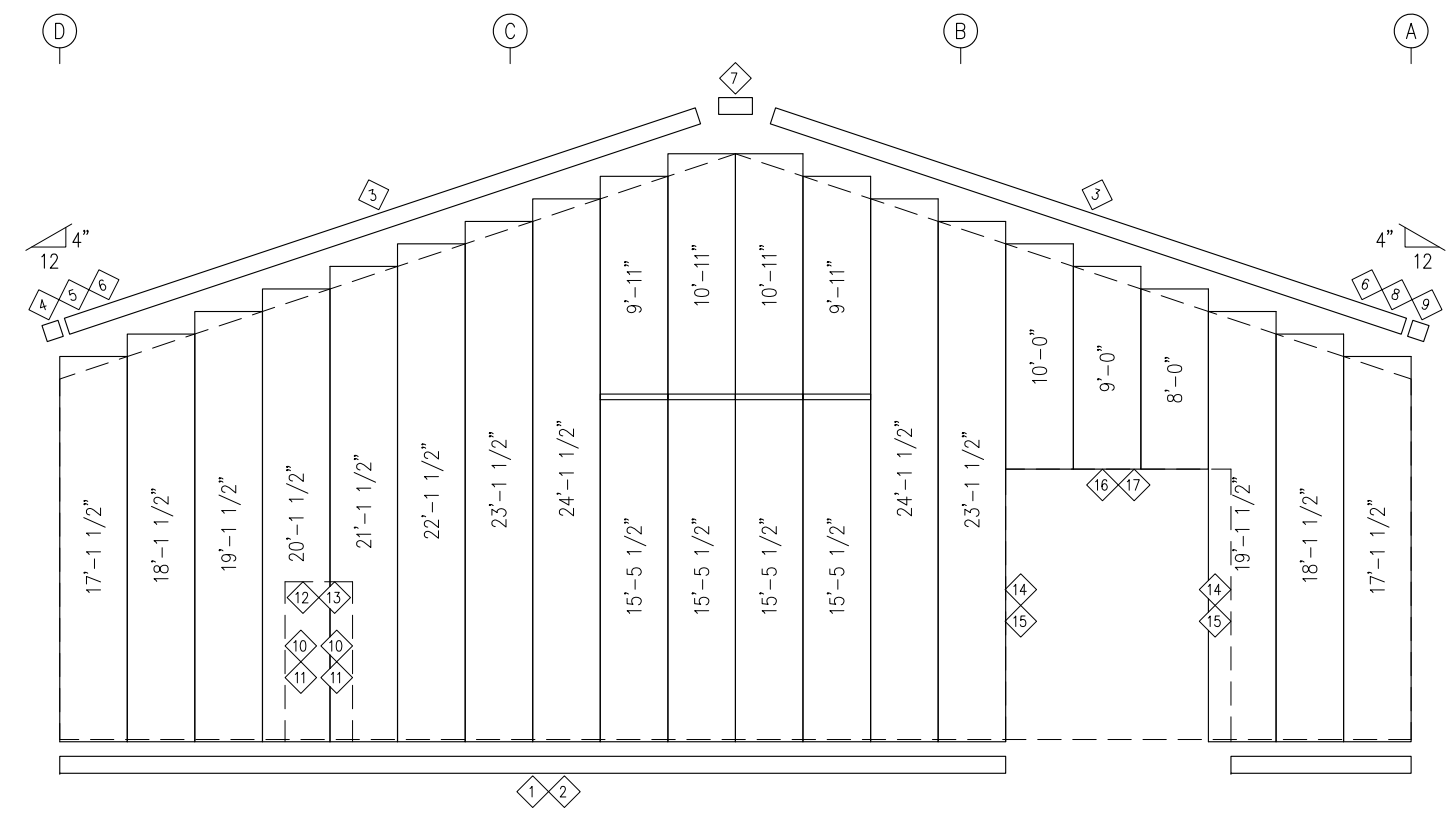


DESCRIPTION	SIDEWALL FRAMING & SHEETING
CUSTOMER	
END USER	
SCALE	NOT TO SCALE
JOB NO.: 57249	ENG. BY: RA
	DATE: 9/15/21
	DWG. NO.: 6 OF 12
	ISSUE: C





LEFT ENDWALL FRAMING: FRAME LINE 1



LEFT ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. R-Loc - Galvalume Plus

CONNECTION PLATES FRAME LINE 1		
ID	QUAN	MARK/PART
1	6	BC-15E
2	4	BC-05
3	17	BC-01

TRIM TABLE FRAME LINE 1				
ID	QUAN	PART	LENGTH	DETAIL
1	2	BA6102	10'-2"	TRIM_1
2	2	BA6	20'-4"	TRIM_1
3	4	Q7646	16'-2"	TRIM_66
4	1	Q765L6	6"	
5	1	AR963L6	9 1/8"	
6	2	AR9626	8 1/16"	
7	1	Q7676	1'-4"	TRIM_100
8	1	Q765R6	6"	
9	1	AR963R6	9 1/8"	
10	2	Q3706	7'-4"	TRIM_50
11	2	JA6	7'-2"	TRIM_50
12	1	AR3806	3'-7"	TRIM_51
13	1	HE6	3'-6"	TRIM_51
14	2	Q3706	14'-2"	TRIM_50
15	2	JA6	12'-2"	TRIM_50
16	1	Q3706102	10'-2"	TRIM_51
17	1	HE6	10'-3"	TRIM_51

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

MEMBER TABLE FRAME LINE 1			
QUAN	MARK	PART	LENGTH
1	EC-1	W10X12	14'-9 13/16"
2	EC-2	W10X12	21'-1 1/8"
1	EC-3	W10X12	14'-9 13/16"
1	ER-1	W08631	31'-6 15/16"
1	ER-2	W08631	31'-6 15/16"
2	DJ-1	8X25C16	7'-0"
1	DJ-2	8X25C12	20'-5 1/8"
1	DJ-3	8X25C12	17'-1 1/8"
1	DH-1	8X25C16	9'-11"
1	G-1	8X25Z16	18'-2"
1	G-2	8X25Z12	18'-2"
1	G-3	8X25Z14	18'-2"
1	G-4	8X25Z14	17'-1 3/8"
2	G-5	8X25Z16	5'-1 3/8"
5	G-6	8X25Z14	19'-4"
1	G-7	8X25Z16	6'-10 13/16"
5	G-8	8X25Z16	1'-4"
1	G-9	8X25Z16	9'-11"
3	G-10	8X25Z16	6'-2"
1	G-11	8X25Z16	3'-4 7/8"
2	CB-1	GS1716	28'-1 1/2"
1	GH-1	HW816Z	3'-0"

FLANGE BRACE TABLE FRAME LINE 1			
ID	QUAN	MARK	LENGTH
1	2	FB29.3	2'-5 1/4"

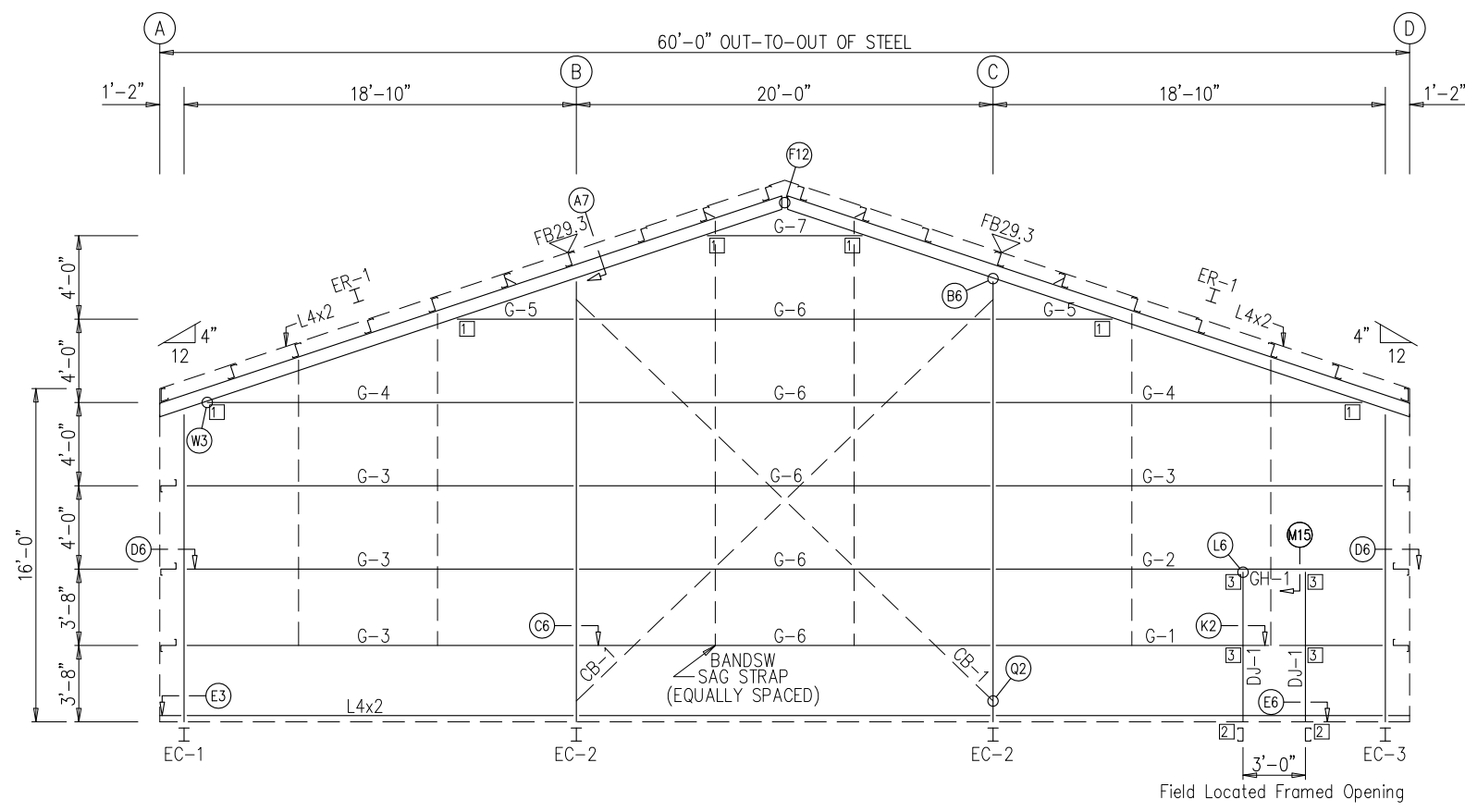
NOTE:  
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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	09.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA

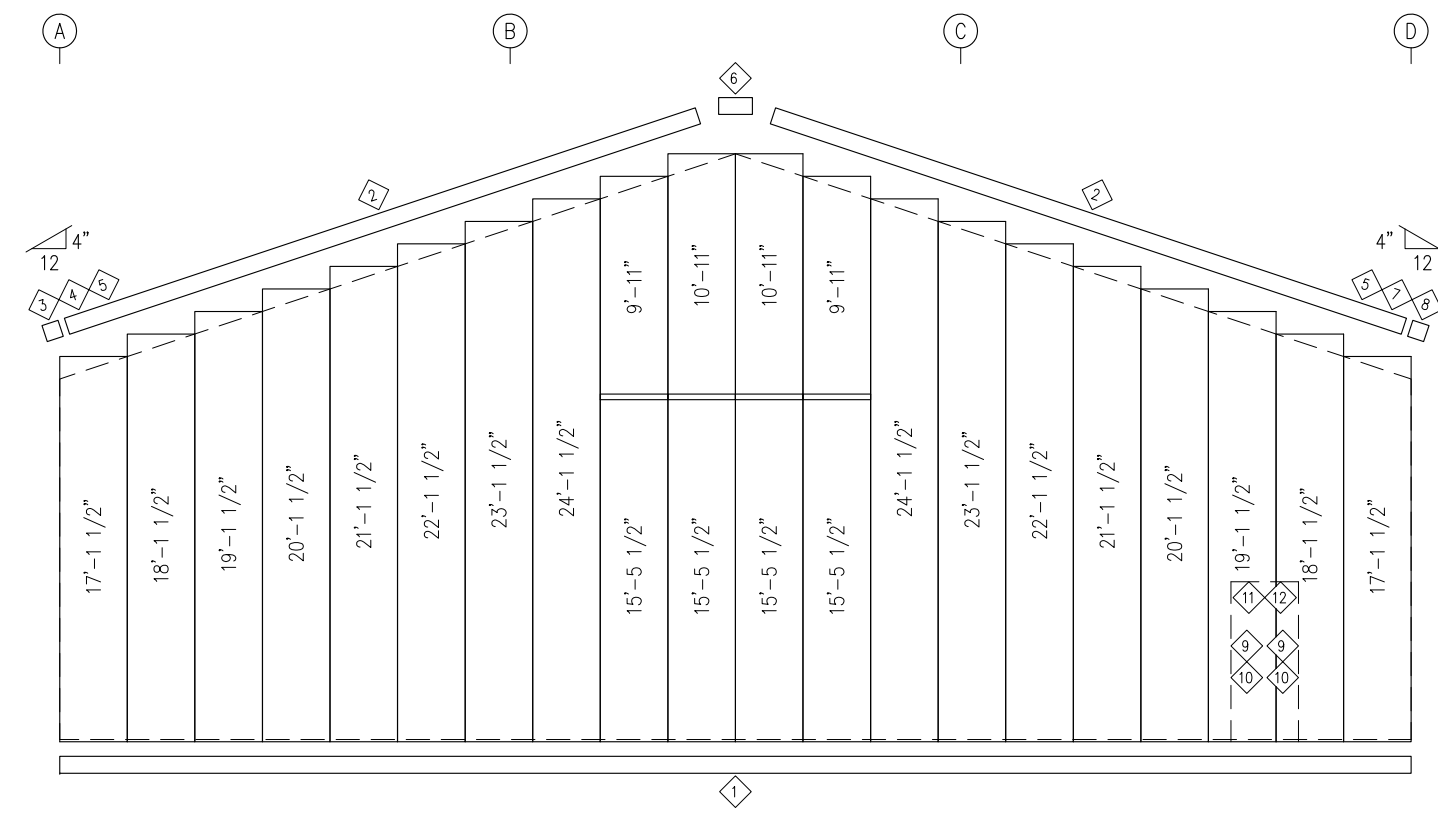


2 Inverness Drive East, Ste#200  
Englewood, Colorado 80112  
PHONE: 800-345-4610  
www.armstrongsteel.com

DESCRIPTION	ENDWALL FRAMING & SHEETING
CUSTOMER	( )
END USER	( )
SCALE	NOT TO SCALE
JOB NO.:	57249
ENG. BY:	RA
DATE:	9/15/21
DWG. NO.:	7 OF 12
ISSUE:	C



RIGHT ENDWALL FRAMING: FRAME LINE 5



RIGHT ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 Ga. R-Loc - Galvalume Plus

TRIM TABLE FRAME LINE 5				
ID	QUAN	PART	LENGTH	DETAIL
1	3	BA6	20'-4"	TRIM_1
2	4	Q7646	16'-2"	TRIM_66
3	1	Q765L6	6"	
4	1	AR963L6	9 1/8"	
5	2	AR9626	8 1/16"	
6	1	Q7676	1'-4"	TRIM_100
7	1	Q765R6	6"	
8	1	AR963R6	9 1/8"	
9	2	Q3706	7'-4"	TRIM_50
10	2	JA6	7'-2"	TRIM_50
11	1	AR3806	3'-7"	TRIM_51
12	1	HE6	3'-6"	TRIM_51

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

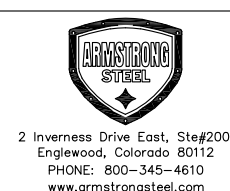
MEMBER TABLE FRAME LINE 5				
QUAN	MARK	PART	LENGTH	
1	EC-1	W10X12	14'-9 13/16"	
2	EC-2	W10X12	21'-1 1/8"	
1	EC-3	W10X12	14'-9 13/16"	
2	ER-1	W08631	31'-6 15/16"	
2	DJ-1	8X25C16	7'-0"	
1	G-1	8X25Z16	18'-2"	
1	G-2	8X25Z12	18'-2"	
4	G-3	8X25Z14	18'-2"	
2	G-4	8X25Z14	17'-1 3/8"	
2	G-5	8X25Z16	5'-1 3/8"	
5	G-6	8X25Z14	19'-4"	
1	G-7	8X25Z16	6'-10 13/16"	
2	CB-1	GS1716	28'-1 1/2"	
1	GH-1	HW816Z	3'-0"	

FLANGE BRACE TABLE FRAME LINE 5			
ID	QUAN	MARK	LENGTH
1	2	FB29.3	2'-5 1/4"

CONNECTION PLATES FRAME LINE 5			
ID	QUAN	MARK/PART	
1	6	BC-15E	
2	2	BC-05	
3	4	BC-01	

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	08.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA



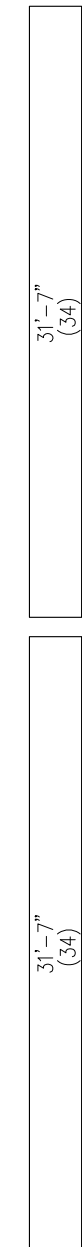
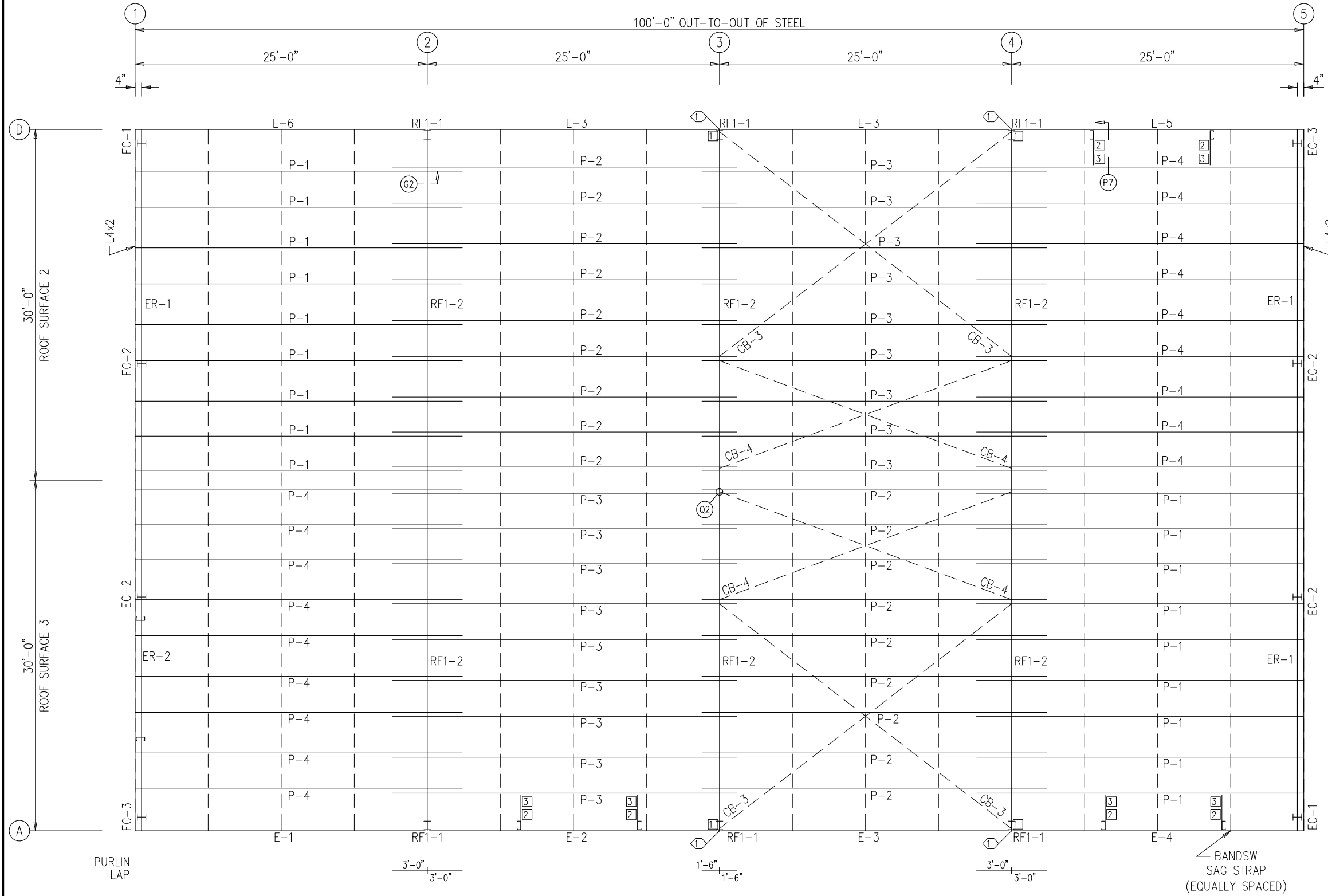
DESCRIPTION	ENDWALL FRAMING & SHEETING
CUSTOMER	
END USER	
SCALE	NOT TO SCALE
JOB NO.:	57249
ENG. BY:	RA
DATE:	9/15/21
DWG. NO.:	8 OF 12
ISSUE:	C

TRIM TABLE				
ROOF PLAN				
◇ ID	QUAN	PART	LENGTH	DETAIL
1	10	UN6102	10'-2"	TRIM_101

MEMBER TABLE				
ROOF PLAN				
QUAN	MARK	PART	LENGTH	
18	P-1	8x25Z14	27'-11 1/2"	
18	P-2	8x25Z16	29'-6"	
18	P-3	8x25Z16	29'-6"	
18	P-4	8x25Z14	27'-11 1/2"	
1	E-1	08536DU4	24'-11"	
1	E-2	08536DU4	24'-11"	
3	E-3	08536DU4	24'-11"	
1	E-4	08536DU4	24'-11"	
1	E-5	08536DU4	24'-11"	
1	E-6	08536DU4	24'-11"	
4	CB-3	GS1720	31'-3 1/2"	
4	CB-4	GS1716	26'-11 3/4"	

SPECIAL BOLTS					
ROOF PLAN					
◇ ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	2

CONNECTION PLATES			
ROOF PLAN			
□ ID	QUAN	MARK/PART	
1	4	BC-44	
2	6	JB-1	
3	6	BC-46	



ROOF FRAMING PLAN

ROOF SHEETING

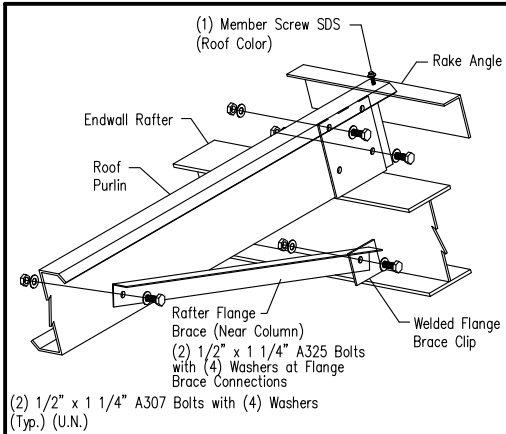
PANELS: 26 Ga. R-Loc Galvalume Plus

NOTE:  
 MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. A.S.C. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

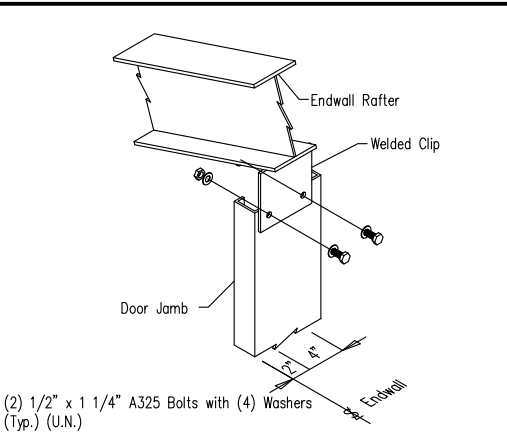
ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	08.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA

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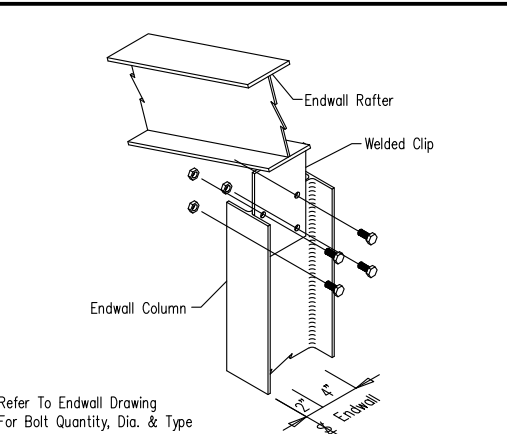
DESCRIPTION	ROOF FRAMING & SHEETING
CUSTOMER	
END USER	
SCALE	NOT TO SCALE
JOB NO.:	57249
ENG. BY:	RA
DATE:	9/15/21
DWG. NO.:	9 OF 12
ISSUE:	C



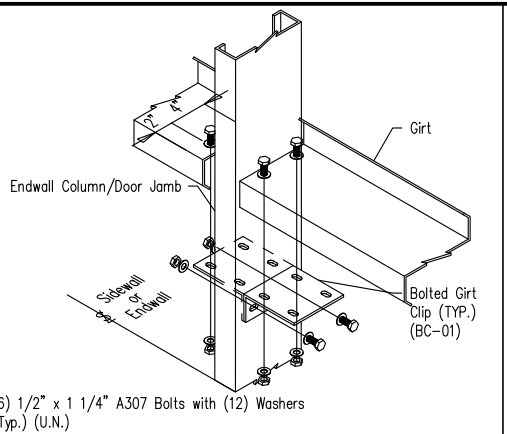
**A7** ROOF PURLIN TO HOT-ROLLED RAFTER



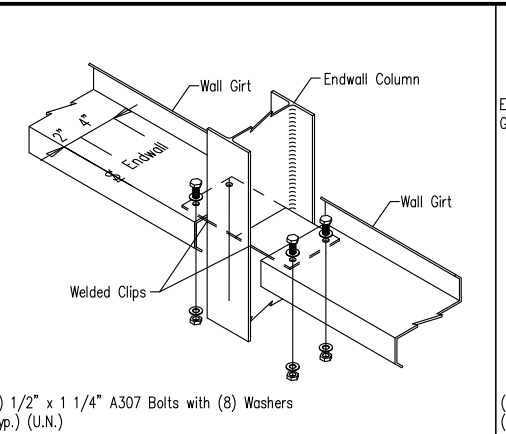
**B4** CEE DOOR JAMB TO ENDWALL RAFTER



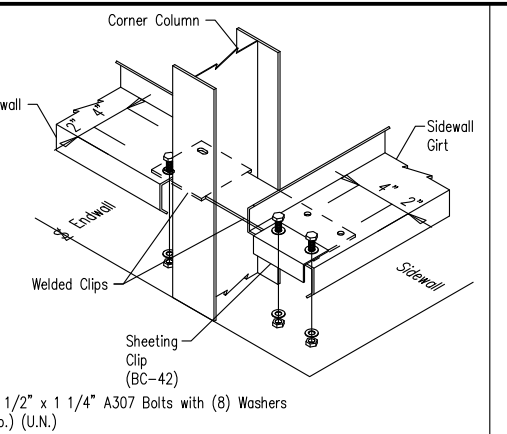
**B6** BUILT-UP ENDWALL COLUMN TO ENDWALL RAFTER



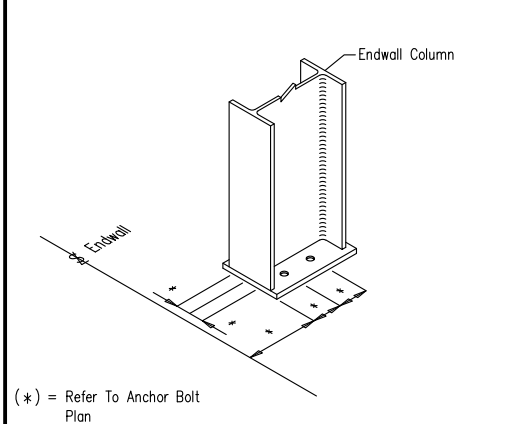
**C1** WALL GIRTS TO ENDWALL COLUMN/DOOR JAMB



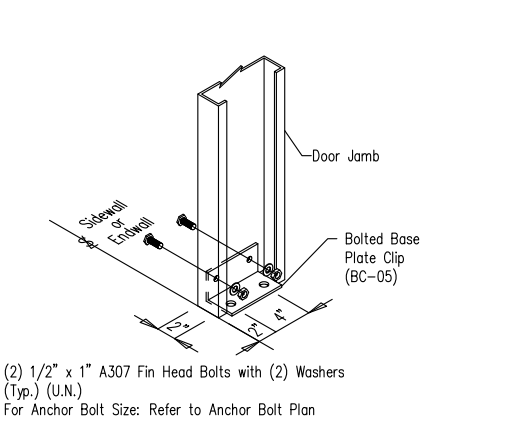
**C6** WALL GIRTS TO ENDWALL COLUMN



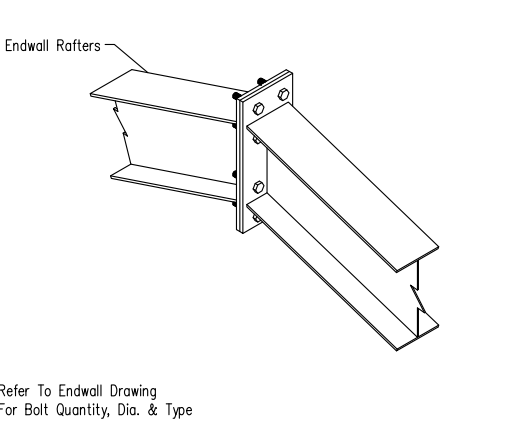
**D6** WALL GIRTS TO ENDWALL CORNER COLUMN



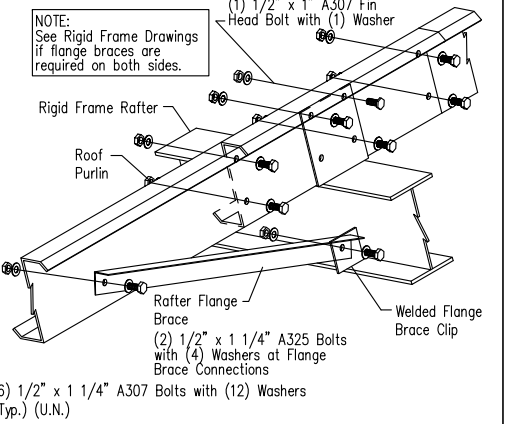
**E3** ANCHOR BOLTS AT ENDWALL COLUMNS



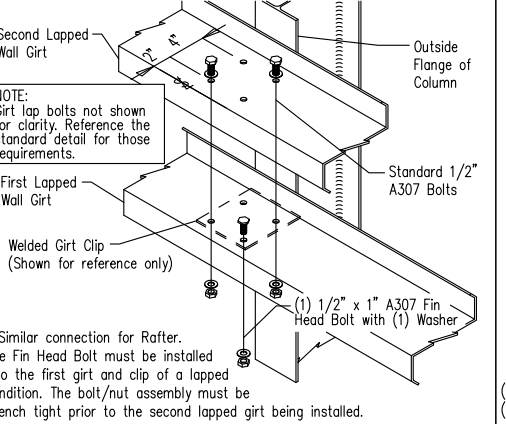
**E6** BASE PLATE FOR DOOR JAMB



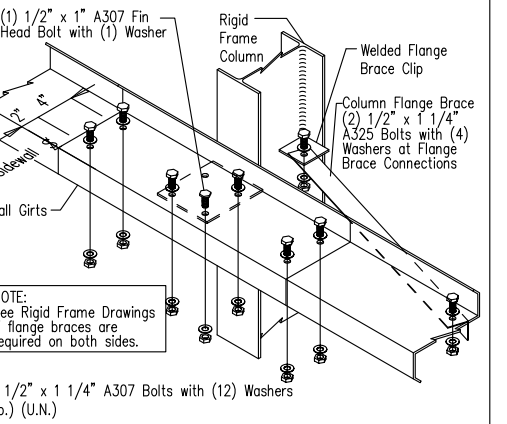
**F12** RAFTER SPLICE ALONG SURFACE



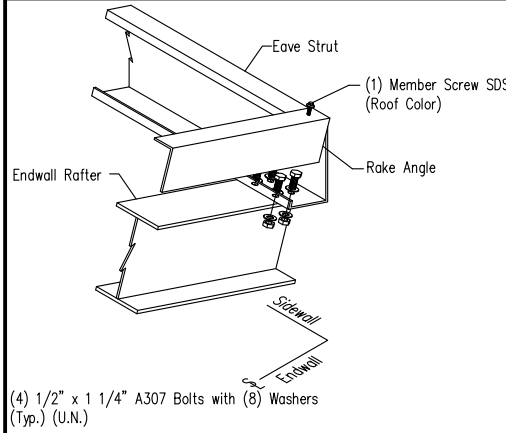
**G2** ROOF PURLIN TO INTERIOR RIGID FRAME



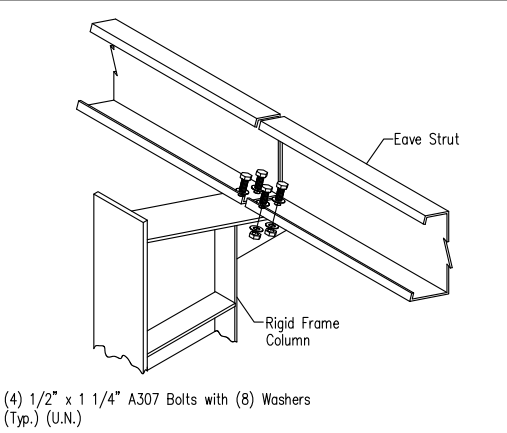
**H0** BYPASS LAPPED WALL GIRTS



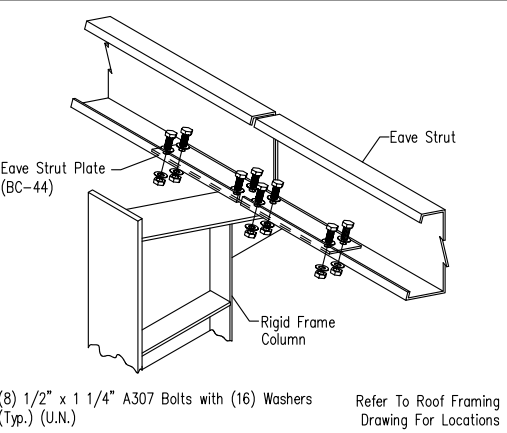
**H2** WALL GIRTS TO RIGID FRAME COLUMN



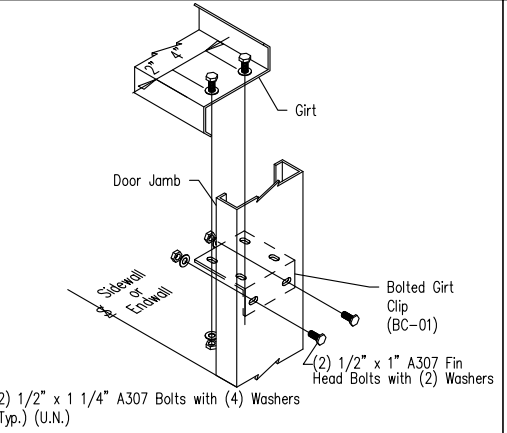
**I8** EAVE STRUT TO ENDWALL RAFTER



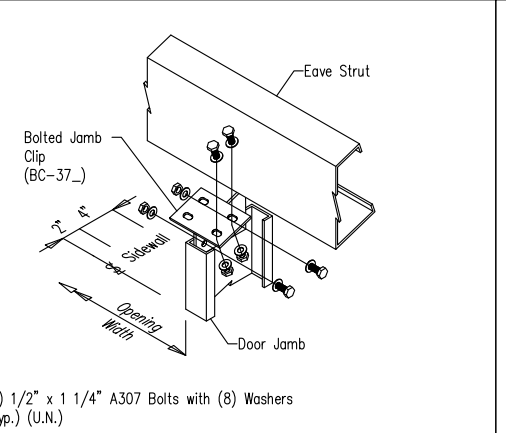
**J2** LOWSIDE EAVE STRUT TO BYPASS RIGID FRAME



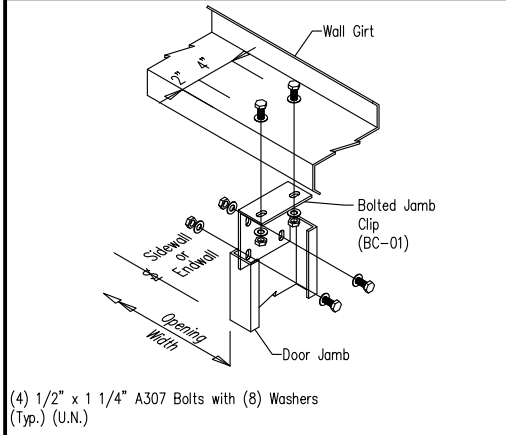
**J4** LOWSIDE EAVE STRUT TO BYPASS RIGID FRAME



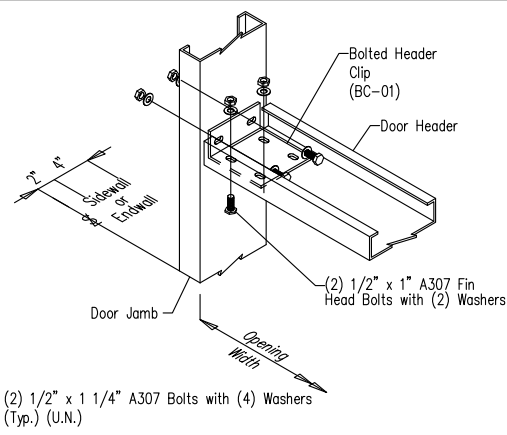
**K2** WALL GIRTS TO DOOR JAMB



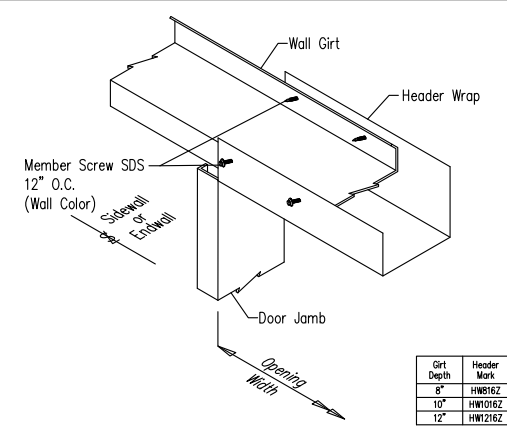
**L1** DOOR JAMB TO EAVE STRUT



**L6** DOOR JAMB TO WALL GIRTS



**M1** HEADER TO JAMB



**M15** HEADER WRAP TO WALL GIRTS

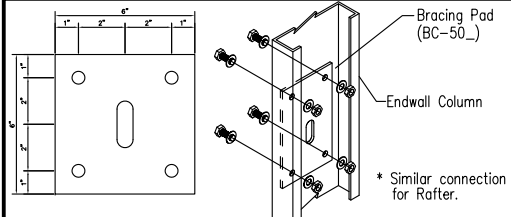
Girt Depth	Header Mark
8"	HW1016Z
10"	HW1016Z
12"	HW1216Z

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	09.23.21	AS	SW	RA
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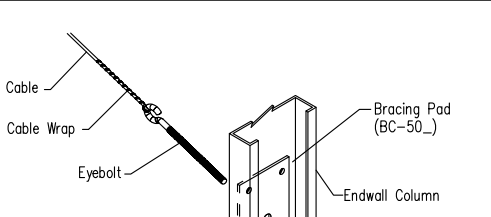
DESCRIPTION	DETAIL DRAWINGS
CUSTOMER	
END USER	
SCALE	NOT TO SCALE
JOB NO.: 57249	ENG. BY: RA DATE: 9/15/21
	DWG. NO.: 10 OF 12 ISSUE: C



**DIAGONAL BRACE PAD INSTALLATION INSTRUCTIONS**

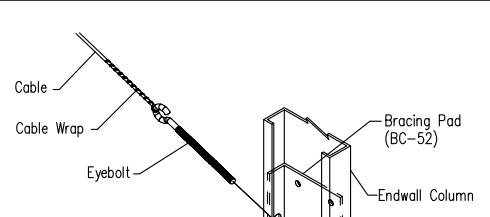
- STEP 1** Line up brace pad with pre existing hole punches in the member.
- STEP 2** Bolt the brace pad down using (4) 1/2" A307 bolts.
- STEP 3** Field cut out the slot, using the brace pad slot as a template.
- STEP 4** Install cable brace as normal, still leaving the brace pad installed along with the 1/2" A307 bolts.

**Q2** DIAGONAL BRACE PAD TO WEB OF CEE COLUMN



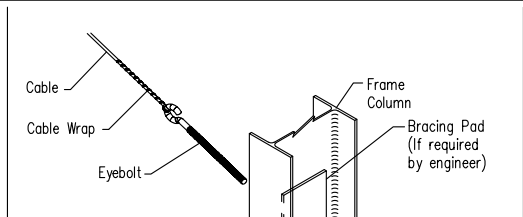
- \* Similar connection for Rafter. Insert Eyebolt through slot in web. Then assemble Hillside Washer, Flat Washer, and Nut.

DIAGONAL CABLE BRACE TO WEB OF CEE COLUMN



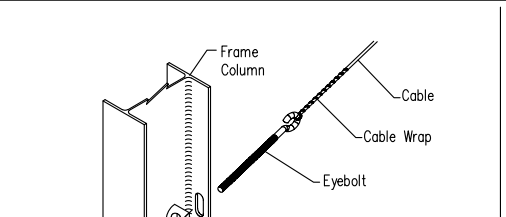
- \* Similar connection for Rafter. Insert Eyebolt through slot in flange. Then assemble Hillside Washer, Flat Washer, and Nut.

DIAGONAL CABLE BRACE TO FLANGE OF CEE COLUMN



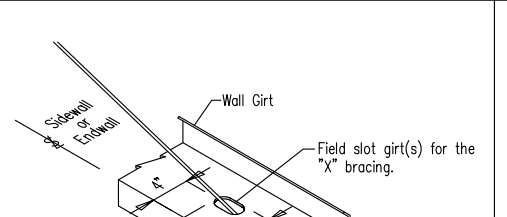
- \* Similar connection for Rafter. Insert Eyebolt through slot in web. Then assemble Hillside Washer, Flat Washer, and Nut.

DIAGONAL CABLE BRACE TO WEB OF FRAME COLUMN



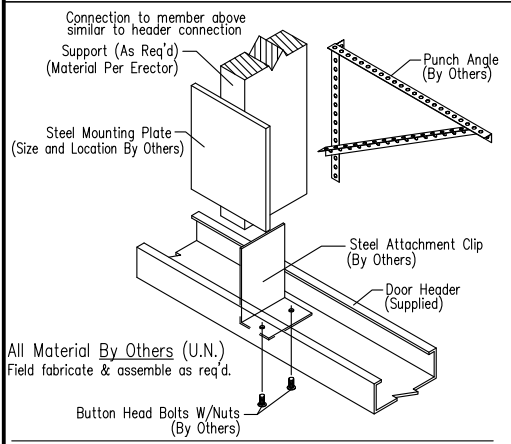
- Insert Eyebolt through slot in flange. Then assemble Hillside Washer, Flat Washer, and Nut.

DIAGONAL CABLE BRACE TO FLANGE OF FRAME COLUMN

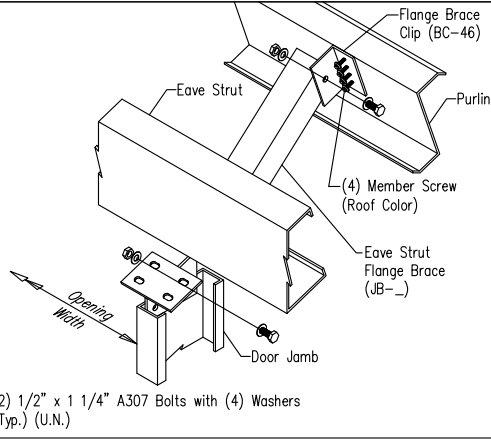


- \* Similar connection for Rafter. Insert Eyebolt through slot in web. Then assemble Hillside Washer, Flat Washer, and Nut.

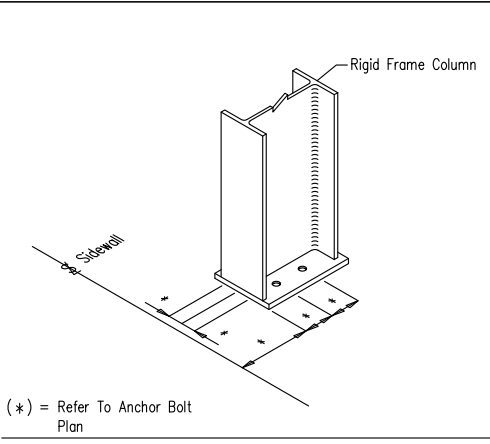
DIAGONAL CABLE BRACE AT FLUSH WALL GIRT



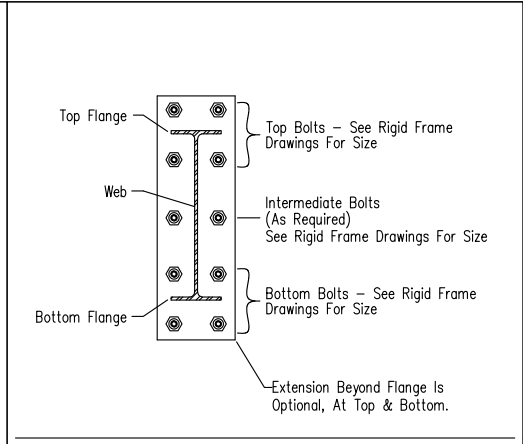
**OH** O. H. DOOR TORSION BAR BEARING SUPPORT



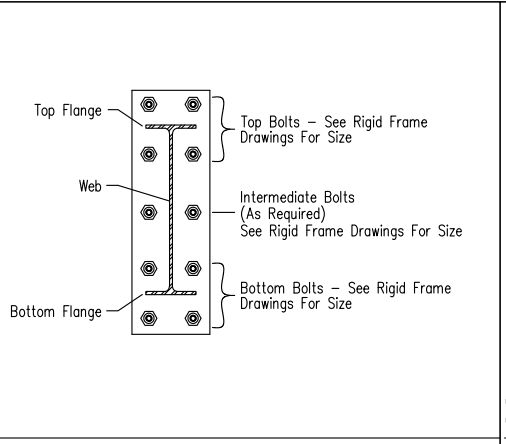
**P7** DOOR JAMB TO EAVE STRUT FLANGE BRACE



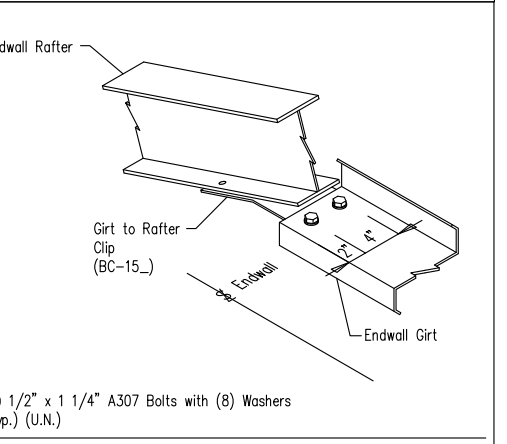
**R2** ANCHOR BOLTS AT SIDEWALL COLUMNS



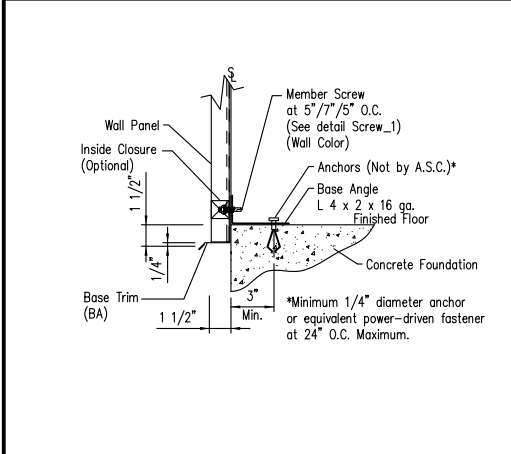
**U2** BOLTS FOR RIGID FRAME RAFTER AT BUILDING PEAK



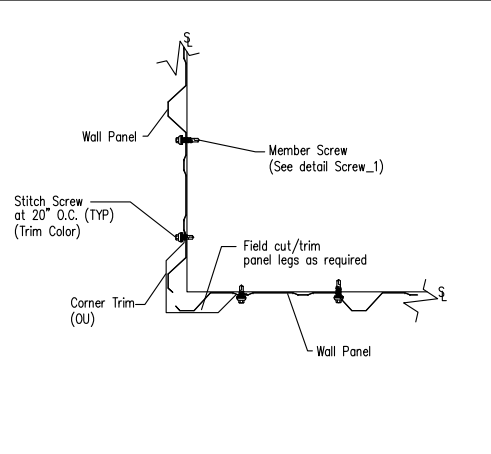
**U3** BOLTS FOR RIGID FRAME RAFTER TO COLUMN CONNECTION



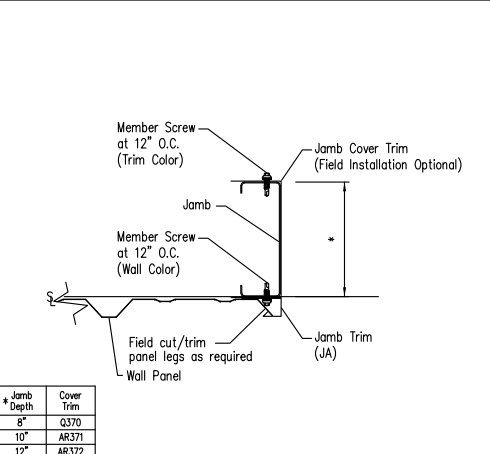
**W3** ENDWALL GIRTS TO HOT-ROLLED RAFTER



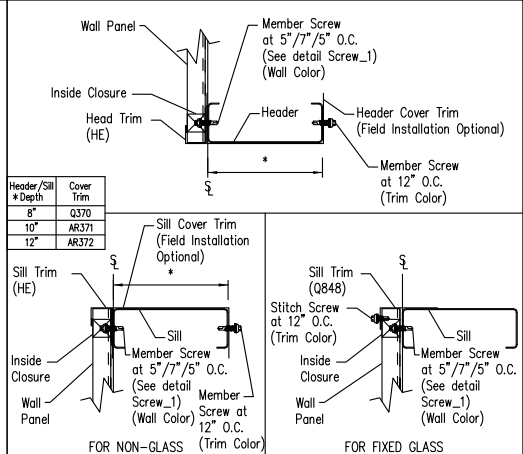
BASE ANGLE DETAIL WITH TRIM **TRIM\_1**



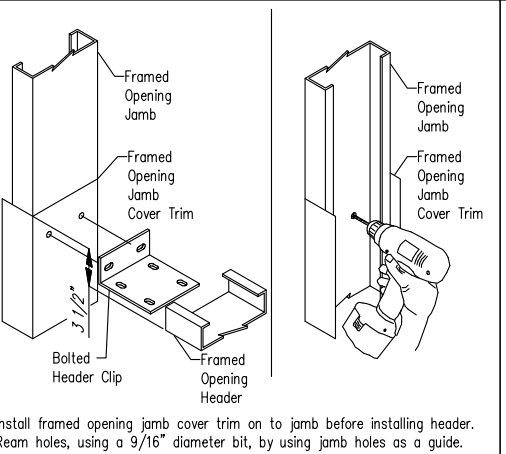
OUTSIDE CORNER DETAIL **TRIM\_30**



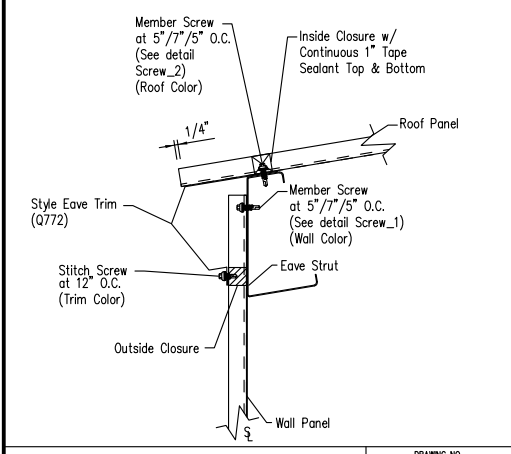
FRAMED OPENING JAMB TRIM DETAIL **TRIM\_50**



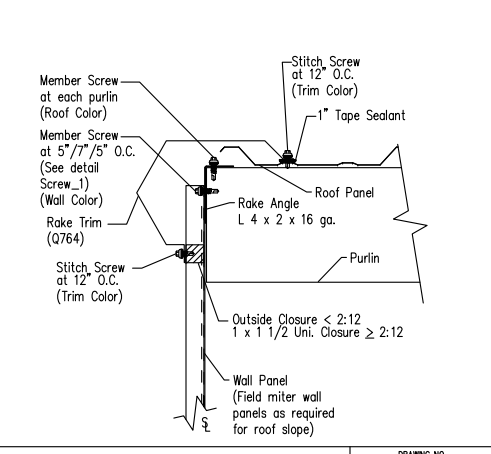
FRAMED OPENING HEAD & SILL TRIM DETAILS **TRIM\_51**



COVER TRIM INSTALLATION INSTRUCTIONS **TRIM\_52**



EAVE DETAIL WITH STYLE EAVE AT SHEETED WALL **TRIM\_61**



RAKE DETAIL AT SHEETED WALL **TRIM\_66**

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
P	PERMIT	09.23.21	AS	SW	RA
C	CONSTRUCTION	12.03.21	RS	RS	RA



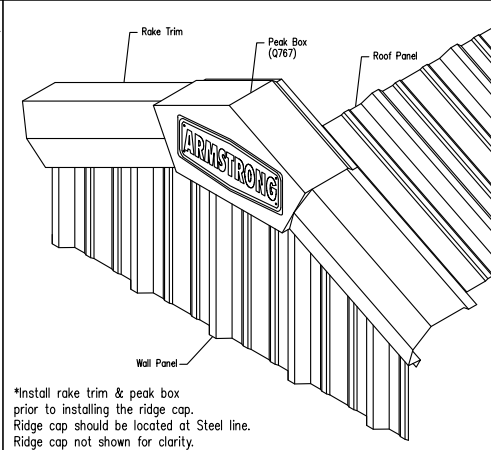
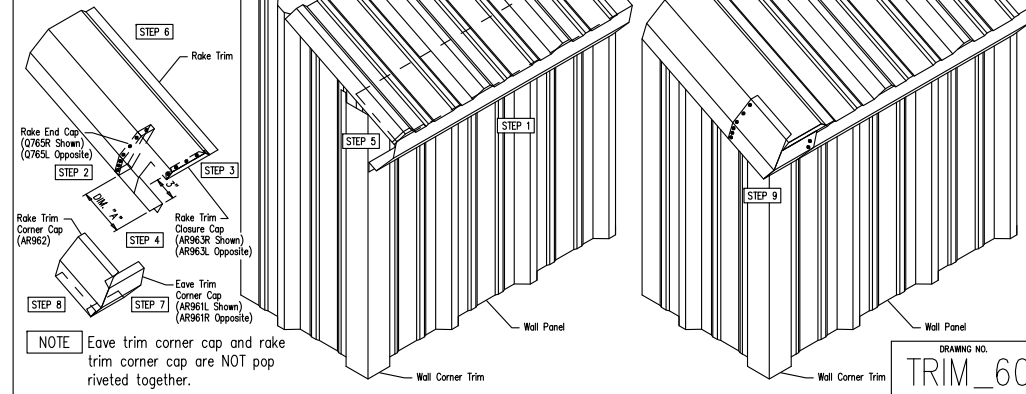
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DESCRIPTION	DETAIL DRAWINGS
CUSTOMER	
END USER	
SCALE	NOT TO SCALE
JOB NO.: 57249	ENG. BY: RA
	DATE: 9/15/21
	DWG. NO.: 11 OF 12
	ISSUE: C

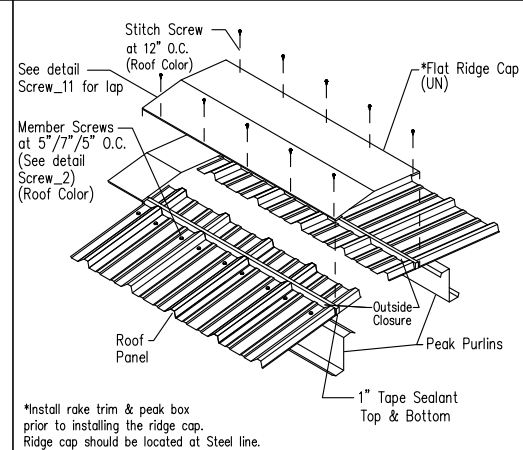
**STYLE EAVE CORNER TRIM INSTALLATION INSTRUCTIONS**

- STEP 1** Install style eave trim in between the roof panel and low eave member. Be sure the end of the style eave trim is flush with the wall corner trim.
- STEP 2** Install rake end cap, into rake trim (8) pop rivets. Use chart to determine how far the rake end cap is positioned into the rake trim.
- STEP 3** Install rake trim closure cap, flush with the end of the rake trim using (5) pop rivets.
- STEP 4** Field cut/notch the face of the rake trim by 3". This is to prevent the rake trim from sticking out past the style eave trim upon final assembly.
- STEP 5** Field cut/notch the end of the roof panel back 1". This is to allow the rake trim closure cap from hitting the roof panel.
- STEP 6** Install rake trim. Be sure the end of the rake trim is flush with style eave trim.
- STEP 7** Install the eave trim corner cap to the style eave trim using (6) pop rivets.
- STEP 8** Install the rake trim corner cap to the rake trim using (7) pop rivets.
- STEP 9** Field cut/notch the bottom legs of the rake trim. Horizontal leg flush with the eave trim corner cap. Vertical leg flush with the wall corner trim.

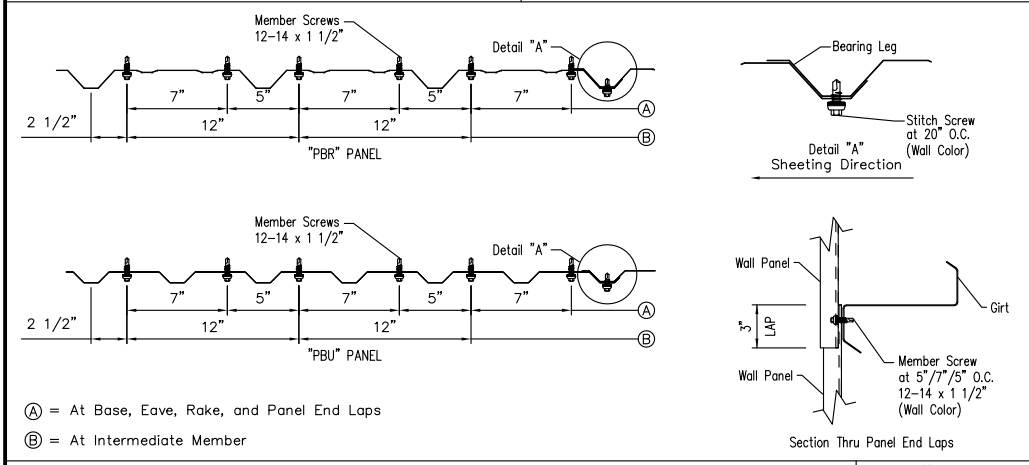
Slope	Dim. "A"
1/2 : 12	3 7/16"
1 : 12	3 11/16"
2 : 12	4 1/4"
3 : 12	4 5/4"
4 : 12	5 1/4"
5 : 12	5 13/16"
6 : 12	6 3/8"



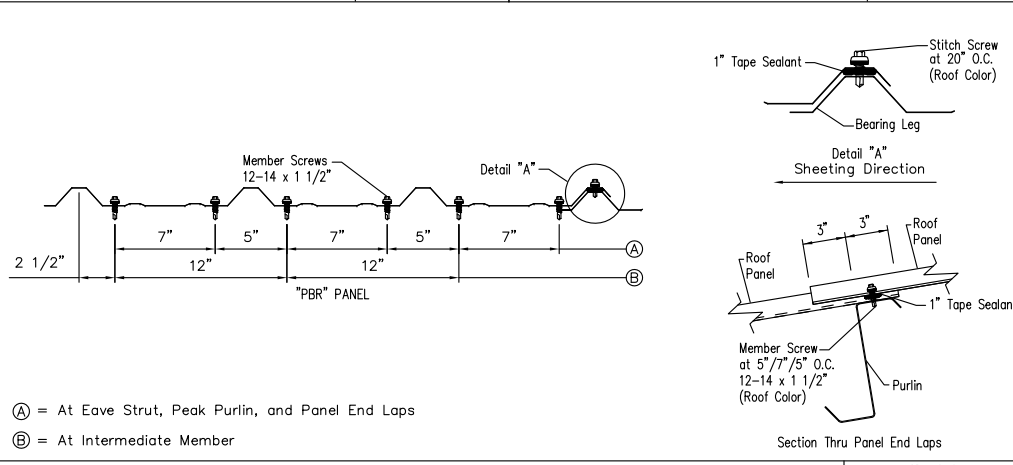
\*Install rake trim & peak box prior to installing the ridge cap. Ridge cap should be located at Steel line. Ridge cap not shown for clarity.



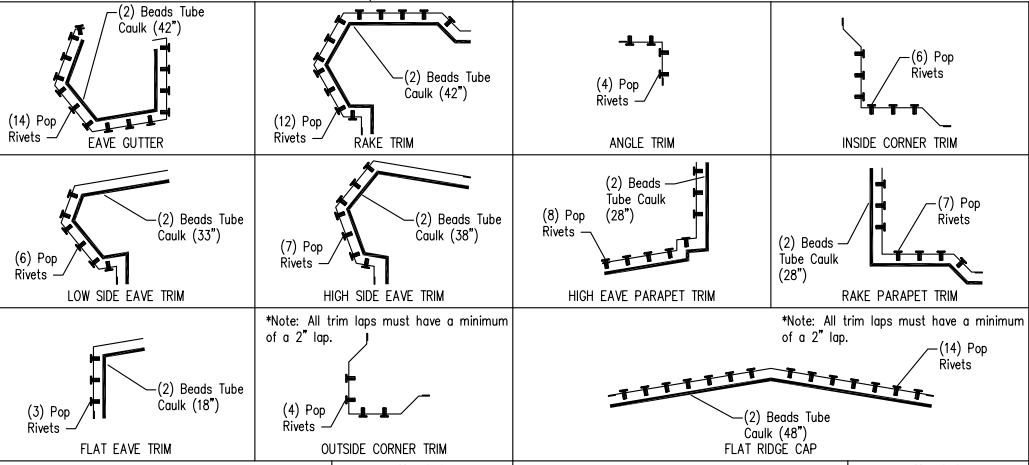
\*Install rake trim & peak box prior to installing the ridge cap. Ridge cap should be located at Steel line.



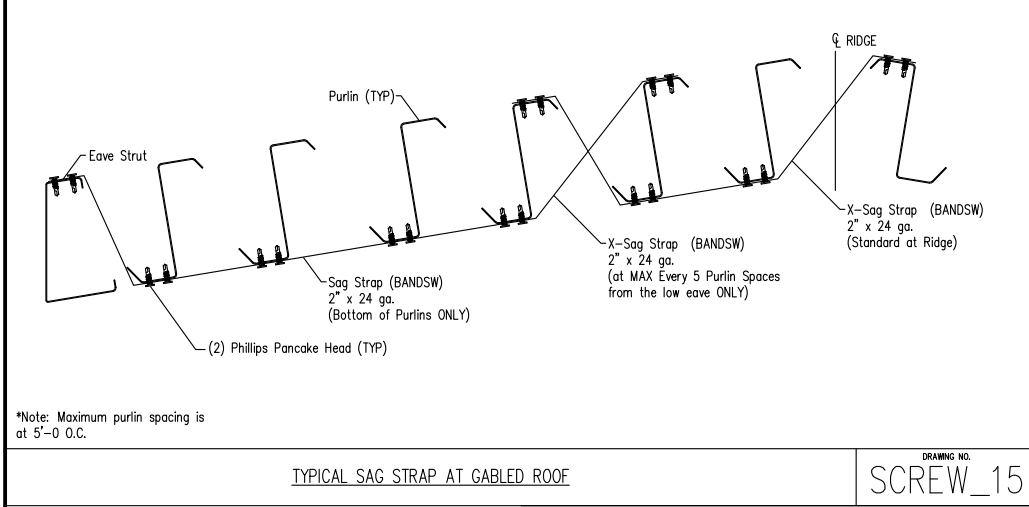
**FASTENER LOCATION FOR WALL PANELS** DRAWING NO. **SCREW\_1**



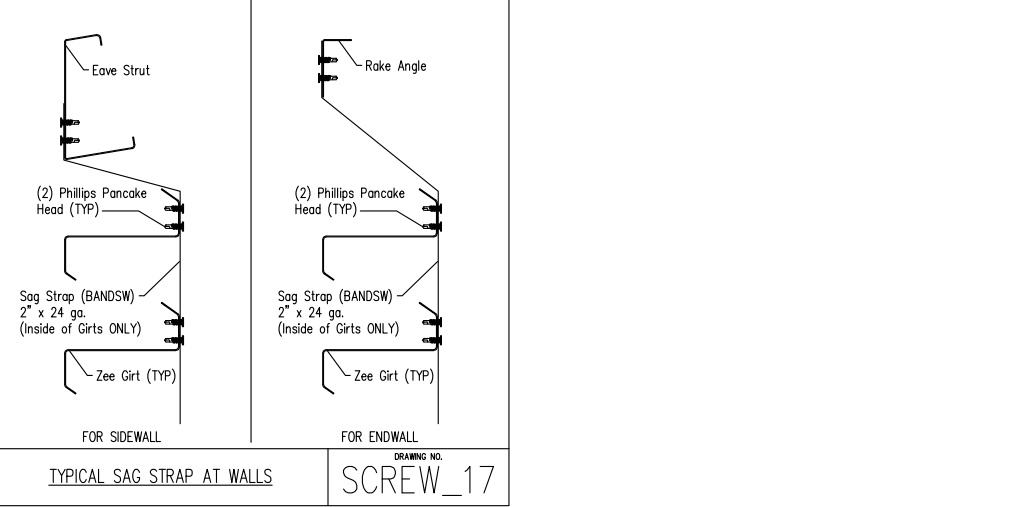
**FASTENER LOCATION FOR ROOF PANELS** DRAWING NO. **SCREW\_2**



**TRIM LAPS** DRAWING NO. **SCREW\_10** and **SCREW\_11**



**TYPICAL SAG STRAP AT GABLED ROOF** DRAWING NO. **SCREW\_15**



**TYPICAL SAG STRAP AT WALLS** DRAWING NO. **SCREW\_17**

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
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DESCRIPTION	DETAIL DRAWINGS
CUSTOMER	
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SCALE	NOT TO SCALE
JOB NO.: 57249	ENG. BY: RA DATE: 9/15/21
	DWG. NO.: 12 OF 12 ISSUE: C