



32916 F.M. 529
Brookshire, TX 77423
281-375-2020 Office

COLOR SELECTION FORM

JOB NAME: _____ City of New Braunfels _____

JOB NUMBER: _____ 21-6847 _____

CONTACT: _____ Tommy Harper _____

SLMB CONTACT: _____ Bobby Love _____

DESCRIPTION OF COLOR:

Please fill in any blank spaces with the proper color selection.
If an error is discovered, please replace with the correct color.

Roof Panel	_____ Galvalume _____	Galvalume
Exterior Wall Panel	_____ Sig 200 Color Required _____	Sil Poly Color
RAKE & EAVE TRIM:	_____ Sig 200 Color Required _____	Sil Poly Color
CORNER TRIM:	_____ Sig 200 Color Required _____	Sil Poly Color
GUTTERS/EAVE TRIM	_____ Sig 200 Color Required _____	Sil Poly Color
DOWNSPOUTS	_____ Sig 200 Color Required _____	Sil Poly Color
FRAMED OPENING TRIM:	_____ Sig 200 Color Required _____	Sil Poly Color
Base Trim:	_____ <u>Sig 200 Color Required</u> _____	Sil Poly Color
Soffit Panels	_____ <u>None Applied</u> _____	Sil Poly Color

➡ This job will not be issued for Shop Fabrication or Material Order until SLMB receives a signed color selection form.

Please authorize by signing below and return to SLMB via fax at (281) 375-2525

Authorized on this _____ day of

_____ 2021

Tommy Harper

Printed Name

By: _____
Signature

STRAIGHT LINE METAL BUILDINGS



SIGNATURE® 200 Standard Colors

SILICONIZED

POLYESTER

Polar White is a Straight Polyester.

■ Final color selection should be made from actual color chips.

■ For the most current information available, visit our website at www.straightlinebuildings.net.

■ See product selection chart for gauge and color availability.

■ Trim available in all colors.

■ All Signature® 300 are low gloss colors.

■ A 40-year limited paint warranty available for all colors upon written request except for Crimson Red, please inquire. (Outside the continental United States, please inquire.) Crimson Red is offered with a 3-year warranty on roof panels and 3-year on sidewall panels.

■ Signature® is a registered trademark of NCI Group, Inc. KYNAR 500® is a registered trademark of Arkema, Inc. HYLAR 5000® is a registered trademark of Solvay Solexis.

† Except Crimson Red, which contains more than 0.06 percent lead, none of the other colors shown are lead-containing paints under 13 CFR 1303. Crimson Red should only be used for applications which comply with federal, state and local regulations for lead-containing paint.



POLAR WHITE
SR 0.60 SRI 71



LIGHT STONE
SR 0.50 SRI 57



SADDLE TAN
SR 0.48 SRI 55



DESERT SAND
SR 0.42 SRI 47



ASH GRAY
SR 0.47 SRI 55



BRIGHT WHITE
SR 0.71 SRI 86



CHARCOAL GRAY
SR 0.27 SRI 26



FERN GREEN
SR 0.27 SRI 26



HAWAIIAN BLUE
SR 0.32 SRI 32



GALLERY BLUE
SR 0.27 SRI 26



CRIMSON RED
SR 0.33 SRI 34



RUSTIC RED
SR 0.36 SRI 38



BERRY
SR 0.30 SRI 27



COCOA BROWN
SR 0.28 SRI 27



BURNISHED SLATE
SR 0.28 SRI 27



BLACK
SR 0.30 SRI 30



SIGNATURE® 300 Standard Colors

KYNAR 500®

HYLAR 5000®

26 GAUGE MATERIAL

PBR, PBU, PBA, PBC, PBD Panels only

Low Gloss Colors



GALVALUME
Clear Acrylic Coating



MEDIUM BRONZE
SR 0.30 SRI 31



SLATE GRAY
SR 0.18 SRI 15



ALMOND
SR 0.55 SRI 64



CLASSIC GREEN
SR 0.28 SRI 27



BROWNSTONE
SR 0.38 SRI 40



REGAL RED
SR 0.44 SRI 49



REGAL BLUE
SR 0.26 SRI 24

STRAIGHT LINE METAL BUILDINGS



32916 FM 529
Brookshire, Texas 77423
Phone: 281.375.2020
Fax: 281.375.2525



For the most current information available, visit our website at www.straightlinebuildings.net

LCW ENGINEERING
317 GEORGIA AVE
DEER PARK, TEXAS 77536
(713)944-6626
(713)944-4905 FAX
(713)822-8391 CELL

4/23/2021

T.F. Harper & Associates LP
103 Red Bird Lane
Austin, TX 78745

JOB: 21-6847

BUILDING: 50'-0" x 120'-0" x 18'-0"

END CUSTOMER: **Matthew Williams**

New Braunfels, TX 78132

Gentlemen:

This is to certify that the metal building components finished by Straight Line Building Systems for the above referenced building project are designed for the following loads:

DEAD LOADS:

Actual weight of components

Furnished by Straight Line Building Systems

LIVE LOADS:

FRAMES: 12 PURLINS: 20

Roof Snow Load: 3.5

Wind Load: 109 Exposure: B

Collateral Loads: 7

Seismic Load: SS= 0.05 S2= 0.03

Crane Load:

Additional Loads: NONE

LOAD COMBINATIONS

PER CODE



F-3172

DEFLECTION CRITERIA

Frames	Purlins	Girts	Endwall	Bracing
Drift: 240	Wind: 180	Wind: 240	Column: 240	Wind: 120
Vertical: 180	Live: 180		Rafter: 180	Seismic: 120

These design loads and load combinations have been applied in accordance with the IBC 18 edition of the International Building Code and are designed in general accordance with the AISC16 (360-10 Edition) and NAUS16 specifications.

This certification is limited to the structural design of the materials provided by Straight Line Building Systems and as shown on the erection drawings provided by Straight Line Building Systems. Accessory items such as doors, windows, louvers, translucent panels, roof curbs, and ventilators are not included. Also excluded are other parts of the project not provided by Straight Line Building Systems such as foundations, masonry walls, and mechanical equipment. The building should be erected on a properly designed foundation in accordance with the erection drawings provided. The undersigned is not the engineer of record for the overall project.

Very truly yours,



PRODUCT INFORMATION

ARCHITECT/ENGINEER INFORMATION

1. PBR panel is a structural roof and wall panel. This panel can be installed directly over purlins or joists. Several different UL 90 construction numbers are available for this panel.
2. PBR panel is recommended for ½:12 or greater roof slopes.
3. Field applied tape sealant is required at panel sidelaps and endlaps.
4. PBR panel is a through-fastened panel. For proper fastener application, see page 9 and page 10.
5. The information in this manual is believed to be correct and accurate. It should not be used for any specific application without being reviewed by a registered professional engineer.
6. Galvalume material must not come in contact with concrete or pressure treated lumber.

FACTORY MUTUAL APPROVALS

RATING	PROFILE	WIDTH (IN)	GAUGE	PURLIN SPACING	PURLIN GA.	FASTENER TYPE	NUMBER OF FASTENERS	STITCH FASTENER	STITCH FASTENER SPACING
1-135	PBR1	36	24	5'-3 1/4"	16	1/4-14 X 1 1/4 ZAC3	3	1/4-14 X 7/8 ZAC11	20" o.c.
1-165	PBR1	36	24	5'-3 1/4"	16	1/4-14 X 1 1/4 ZAC3	6	1/4-14 X 7/8 ZAC11	20" o.c.

NOTES:

¹ All roofs are Class 4471.

³ Fastener #1E.

¹¹ Fastener #4.

State of Florida Approval Numbers: FL1904.2 (roof), FL4191.3 (wall), FL5222 (light transmitting panels).

Miami Dade County NOA: 02.1016.04 (roof), 01.0417.12 (wall), see special installation instructions, www.miamidade.gov

PRODUCT INFORMATION

UL 90 REQUIREMENTS PBR PANEL

Construction #30

26 MSG Min. Gauge PBR Panel over Purlins at 5'- 0 1/4" O.C.

1. **For Class 90** - Panel to purlin connections to be #14 Hex Head with a 5/8" O.D. washer in a 4-8-4-8 in. pattern. Panel to panel connection to be 20" O.C. with fastener located over each purlin.
2. **Purlins** - No. 14 MSG min. gauge steel, (55,000 psi min. yield strength.)

Construction #79

26 MSG Min. Gauge PBR Panel over Purlins at 5'- 0 1/4" O.C.

1. **Panel Fasteners** - Panel to purlin connections to be #14 Hex Head with a 5/8" O.D. washer, 6" O.C. in 5-7-5-7 in. pattern. Endlap spacing to be 6 in. O.C. Spacing for panel to panel connection to be 20" O.C.
2. **Purlins** - No. 16 MSG min. gauge steel. (55,000 psi min. yield strength); or min. H series open web steel joists.

Construction #161

26 MSG Min. Gauge PBR Panel over Purlins at 5'- 0 1/4" O.C.

1. **Panel Fasteners** - Panel to purlin connections to be 12-14 x 1" self-drilling Hex Head with a 5/8" O.D. washer, 12" O.C. Spacing at endlap to be in a 5-7-5-7 in. patterns. Spacing for panel to panel connection to be 20" O.C. with a fastener located over each purlin.
2. **Purlins** - No. 14 MSG min. gauge steel, (55,000 psi min. yield strength.)

Construction #542

26 MSG Min. Gauge PBR Panel over Purlins at 5'- 0 3/16" O.C.

1. **Panel Fasteners** - Panel to purlin connections to be 12-14x1" self-drilling Hex Head with a 5/8" O.D. washer, 12" O.C. Spacing at endlap to be in a 5-7-5-7 in. pattern. Spacing for panel to panel connection to be 20" O.C. with a fastener located over each purlin.
2. **Building Units** - Translucent Panels.
3. **Translucent Panel Rib and Purlin Reinforcement** - See UL 90 light transmitting panel installation instructions.
4. **Purlins** - No. 16 MSG min. gauge steel. (55,000 psi min. yield strength).

IMPACT RESISTANCE

PBU panels carry a Class 4 rating under UL-2218 "Test Standard For Impact Resistance"

FIRE RESISTANCE RATING

1. Deck: NC

Class A

Incline: Unlimited

The panel qualifies for a Class A Fire Rating in compliance with Underwriters Laboratories Standard UL-263 when installed over a non-combustible substrate. A Class C Fire Rating will be qualified for over a combustible substrate.

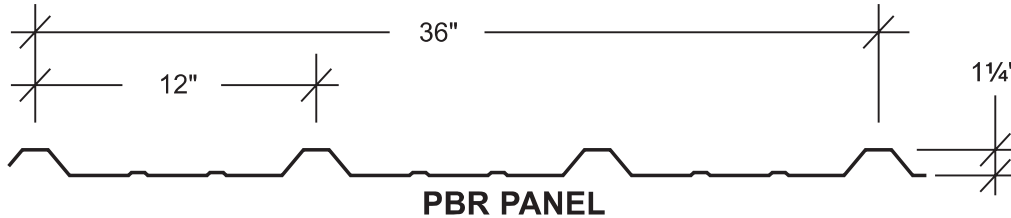
Look for classification marking on product.

CAUTION

The above listings are summaries of Construction Numbers. For UL 90 rated roof requirements and complete design information, see the Underwriters Laboratories Building Materials Directory. If you have any questions, call MBCI before proceeding.

PRODUCT INFORMATION

GENERAL DESCRIPTION



Coverage Width - 36"

Minimum Slope - 1/2:12

Panel Attachment - See page 11

Panel Substrate - Galvalume®

Gauge - 26 standard - 29, 24 and 22 also available

Coatings - Galvalume Plus®, Signature® 200* and Signature® 300*

PRODUCT SELECTION CHART

GAUGE	GALVALUME PLUS®	SIGNATURE® 200*	SIGNATURE® 300*
22 gauge	●	■	■
24 gauge	●	■	■
26 gauge	●	●	●
29 gauge	●	●	■

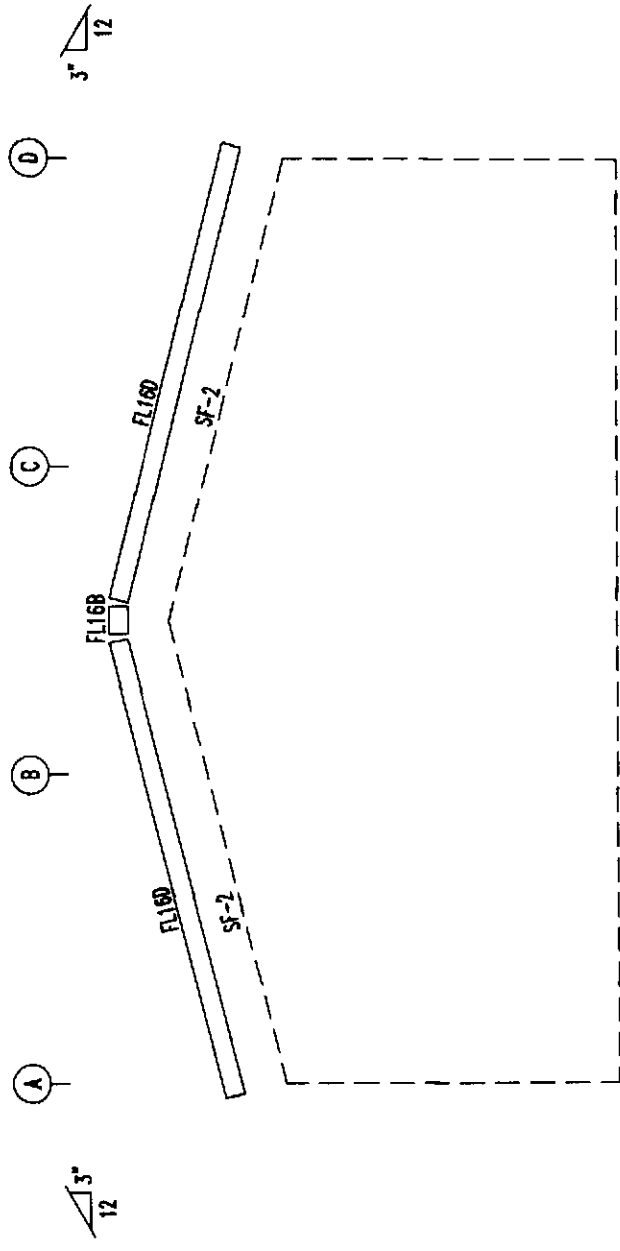
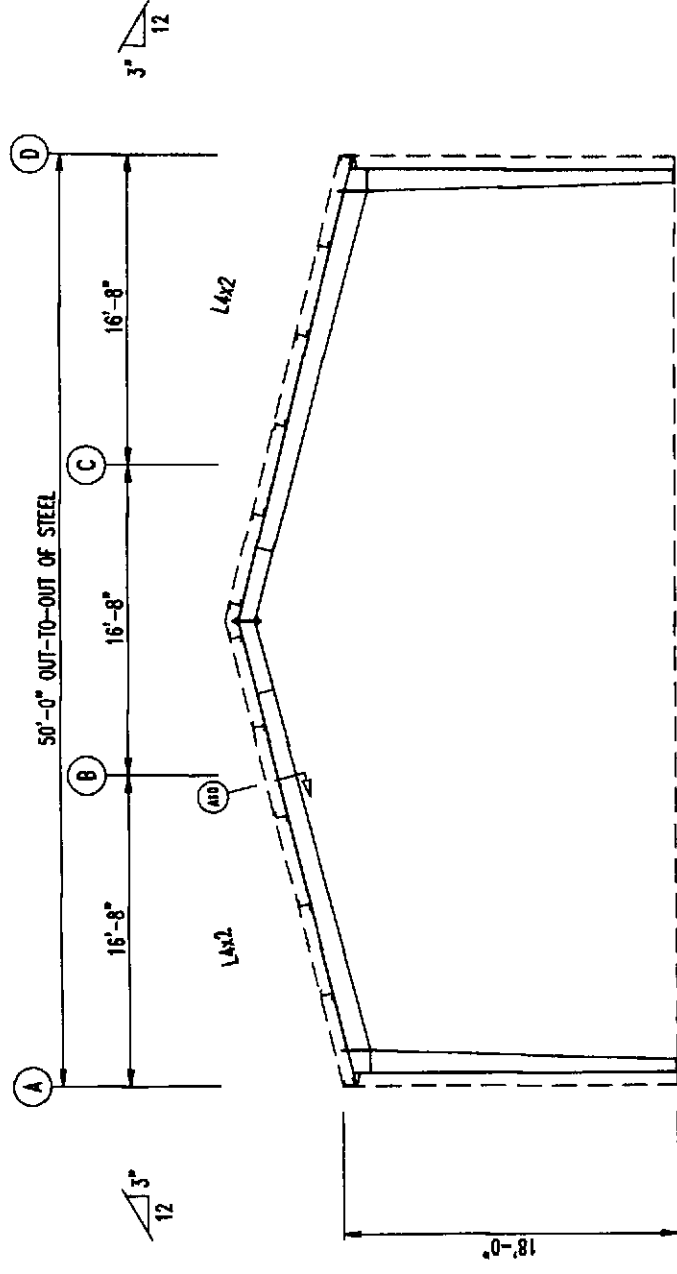
● - Available in any quantity.

■ - Minimum quantity may be required.

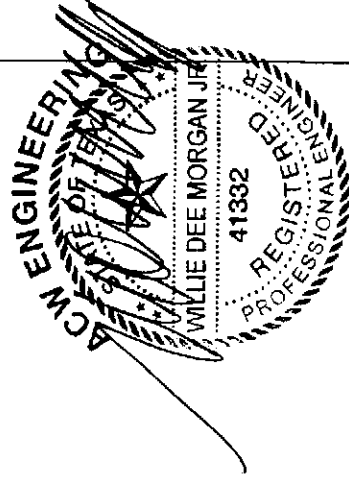
*See Commercial/Industrial color chart for available colors.

Signature is a registered trademark of Metal Building Components, L.P. Galvalume Plus is a registered and protected trademark of BIEC International, Inc.

❖ The Galvalume Plus® coating is subject to variances in spangle from coil to coil which may result in noticeable shade variation in installed panels. The Galvalume Plus® coating is also subject to differential weathering after panel installation. Panels may appear to be different shades due to this weathering characteristic. If a consistent appearance is required, MBCI recommends that pre-painted panels be used in lieu of Galvalume Plus®. Shade variation in panels manufactured from Galvalume Plus® coated material do not diminish the structural integrity of the product. These shade variations should be anticipated and are not a cause for rejection.



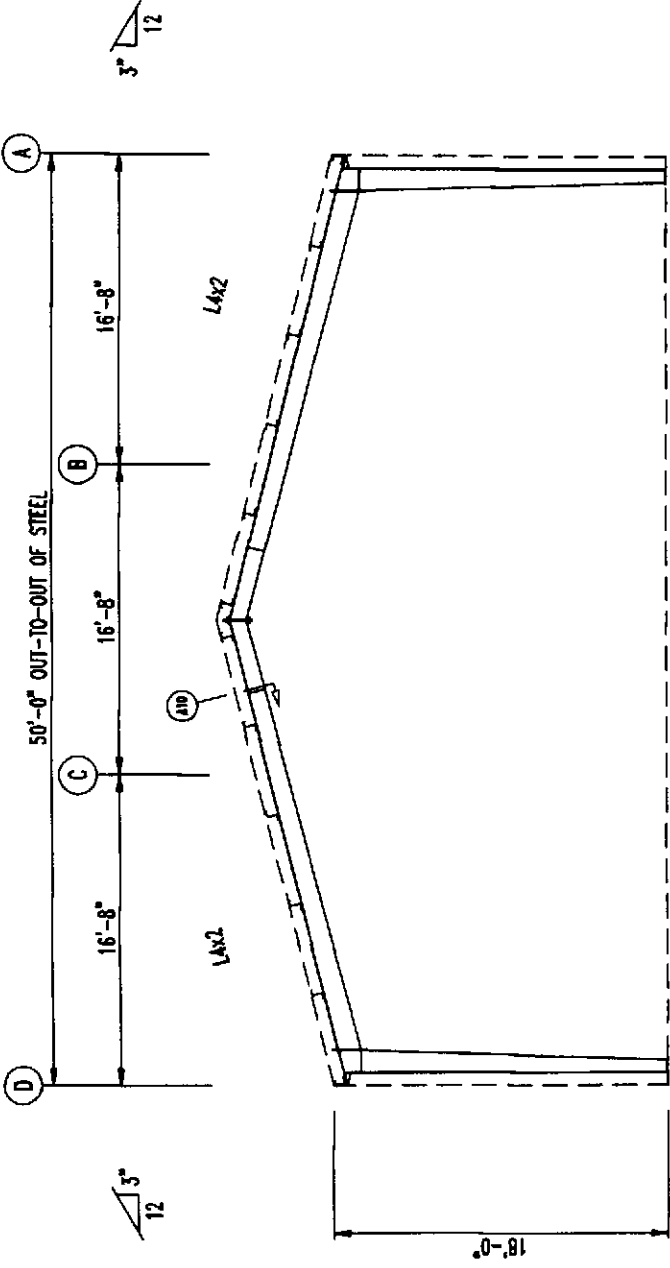
MAY 18 2021



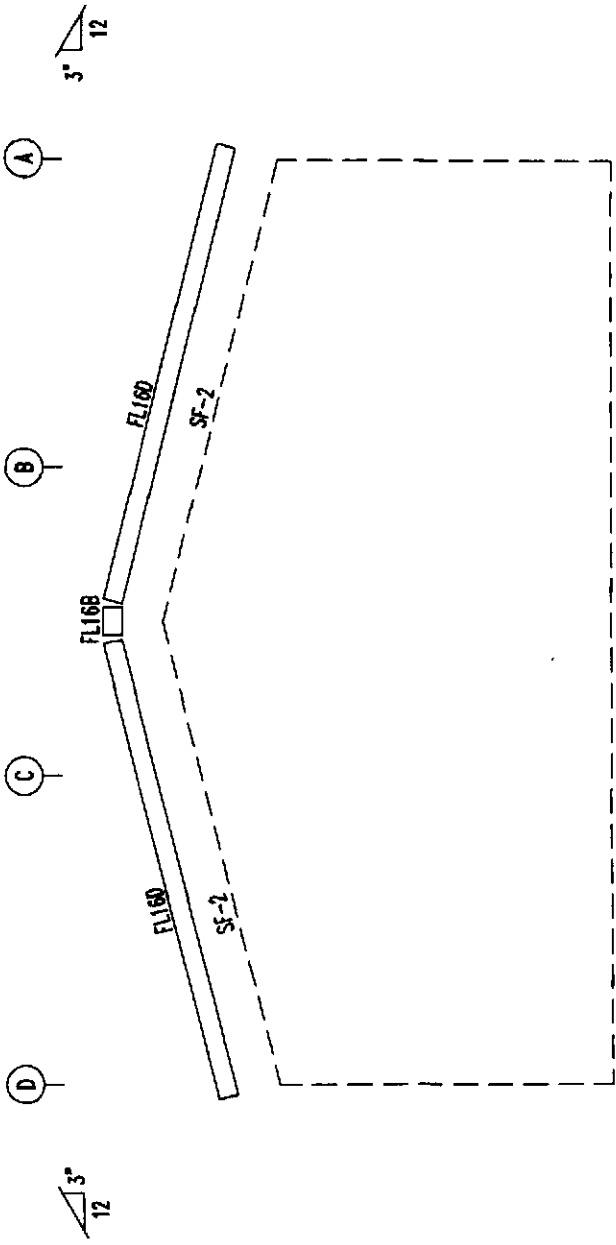
F-3172

DRAWING STATUS		REVISIONS				STRAIGHT LINE METAL BUILDINGS <i>DESIGN • FABRICATION • ERECTION</i>	
☒ FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO COMPLY PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS BEARING "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE. ☐ FOR PERMIT: THESE DRAWINGS, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL IN THAT, AS A MINIMUM, PEECE MARKINGS ARE NOT EXPRESSED. ONLY DRAWINGS BEARING "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE. ☐ FOR CONSTRUCTION: THESE DRAWINGS, BEING FOR CONSTRUCTION, ARE BY DEFINITION FINAL DRAWINGS.	NO.	DATE	BY	QTY	DESCRIPTION	STRAIGHT LINE METAL BUILDINGS <i>DESIGN • FABRICATION • ERECTION</i>	
	0	5/8/21			FOR APPROVAL	STRAIGHT LINE METAL BUILDINGS <i>DESIGN • FABRICATION • ERECTION</i>	
						STRAIGHT LINE METAL BUILDINGS <i>DESIGN • FABRICATION • ERECTION</i>	
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BOLT TABLE				
FRAME LINE 6				
LOCATION				
Column/Ref	QUAN	TYPE	DIA	LENGTH
	4	A325	5/8"	1 1/2"
MEMBER TABLE				
FRAME LINE 6				
MARK	PART			
EC-1	12X35C12			
EC-2	12X35C12			
DJ-1	8X35C14			
G-1	8X25Z16			
G-2	8X25Z16			
G-3	8X25Z16			
G-4	8X25Z16			
G-5	8X25Z16			
CONNECTION PLATES				
FRAME LINE 6				
CLD	MARK/PART			
	1 n1			
	2 d1			
	3 d2			



ENDWALL FRAMING: FRAME LINE 7



ENDWALL SHEETING & TRIM: FRAME LINE 7

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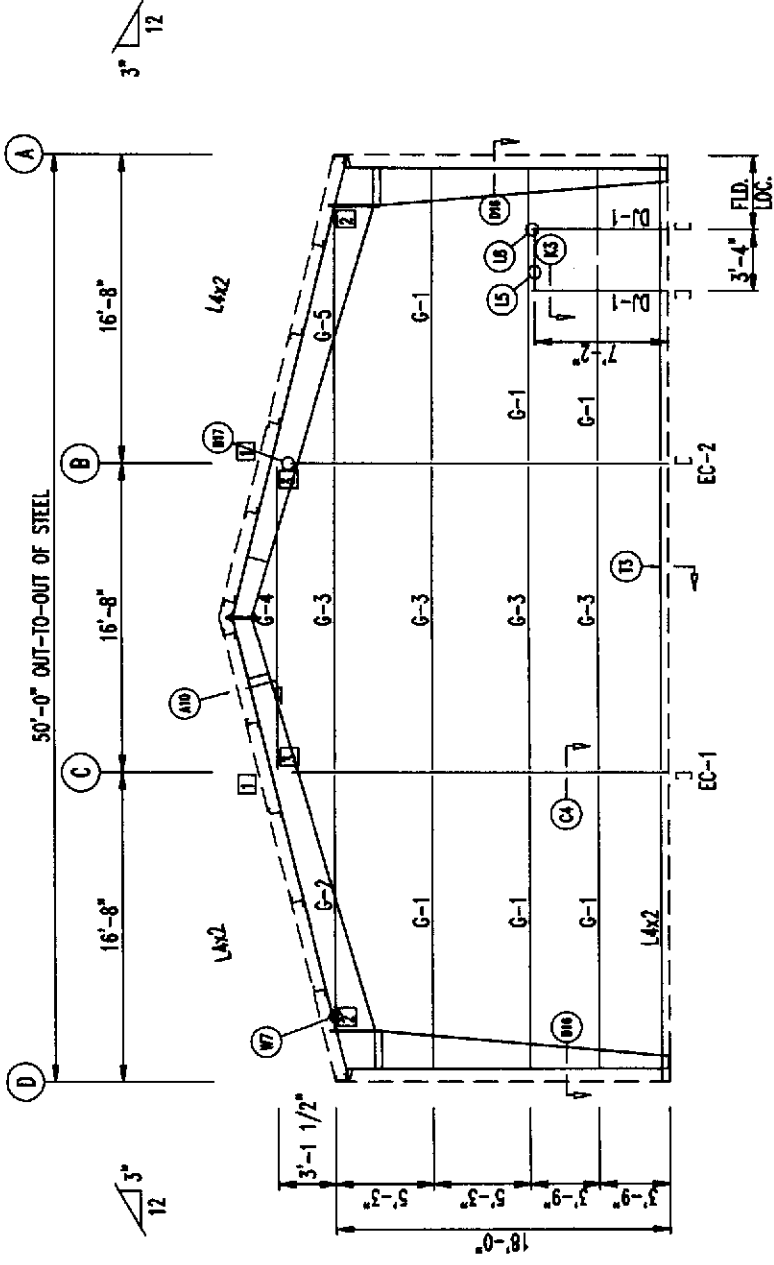
F-3172

DRAWING STATUS		REVISIONS		STRAIGHT LINE METAL BUILDINGS		32916 PM 29 BROOKVILLE, TX 77433 (281) 375-3000	
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☐	THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL. NO CHANGES, CORRECTIONS, OR REVISIONS TO THESE DRAWINGS ARE TO BE MADE WITHOUT THE WRITTEN CONSENT OF THE PROJECT ARCHITECT. ONLY DRAWINGS BEING FOR CONSTRUCTION CAN BE CONSIDERED AS COMPLETE.	0	5/7/21				
☐	FOR CONSTRUCTION						
☐	FINAL DRAWING						
						DESIGN - FABRICATION - ERECTION	
						ENDWALL FRAMING	
						SIZE 50'-0" x 120'-0" x 18'-0"	
						CUSTOMER T.F. Harpaz & Associates LP	
						LOCATION NEW BROOKVILLE, TX 77432	
						DATE BY DATE DATE DATE	
						QD BY DR	
						SHEET NO. 21-6847	
						E6 OF 10	
						0	

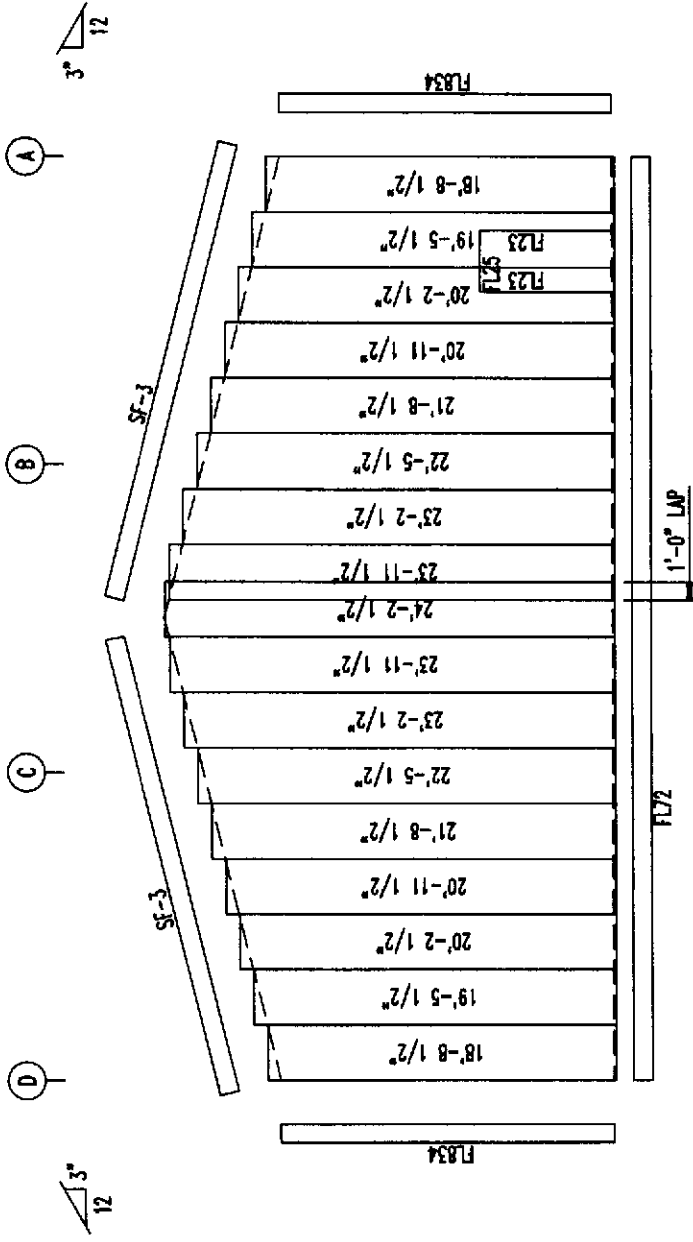
BOLT TABLE				
FRAME LINE 6				
LOCATION				
Column/Ref				
	QUAN	TYPE	DIA	LENGTH
	4	A325	5/8"	1 1/2"

MEMBER TABLE	
FRAME LINE 6	
MARK	PART
EC-1	12X35x12
EC-2	12X35x12
DJ-1	8X35x14
G-1	8X25Z16
G-2	8X25Z16
G-3	8X25Z16
G-4	8X25Z16
G-5	8X25Z16

CONNECTION PLATES	
FRAME LINE 6	
MARK/PART	
1	n1
2	d1
3	d2



ENDWALL FRAMING: FRAME LINE 6



ENDWALL SHEETING & TRIM: FRAME LINE 6

PANELS: 26 GA. PBR - NEED S16 200

MAY 18 2021



F-3172

DRAWING STATUS		REVISIONS		STRAIGHT LINE METAL BUILDINGS		32016 PM 539 BROOKSHIRE, TX 77423 (281) 375-3030	
NO.	DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY	DATE
0	5/18/21	FOR APPROVAL	DR				
				DESIGN - FABRICATION - ERECTION			
				ENDWALL FRAMING			
				SIZE 60'-0" x 120'-0" x 18'-0"			
				CUSTOMER T.F. Harpster & Associates LP			
				LOCATION New Braunfels, TX 78132			
				DRAWN BY DR			
				CHECKED BY DR			
				DATE 5/18/21			
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				CUT BY DR			
				JOB NO. 21-8847			
				SHEET NO. E7 OF 10			
				JOB E7 OF 10			

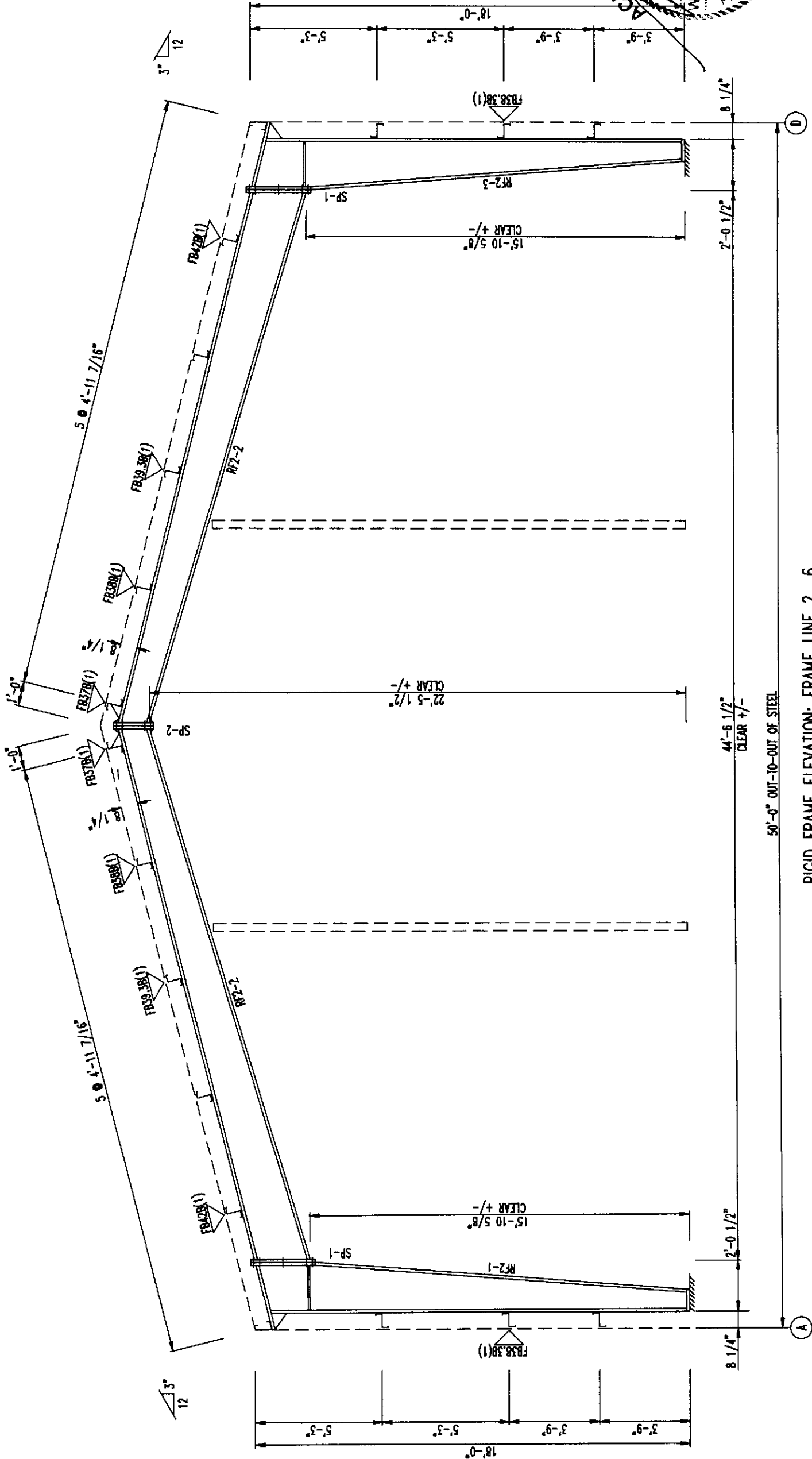
SPICE PLATE & BOLT TABLE

Mark	Qty		Bolt	Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot								
SP-1	4	4	4	2	A325	0.625	2.00	6"	1/2"	2'-9"
SP-2	4	4	4	0	A325	0.625	1.75	6"	3/8"	1'-8 1/2"

FLANGE BRACES: Both Sides(U.N.)
FBx2B(1): wt=length(in)
B - FB2X14G

MEMBER TABLE

Mark	Weight	Length	Web Depth	Web Plate		Outside Flange		Inside Flange	
				Start/End	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length
RF2-1	354	17'-5 9/16"	8.0/24.0	24.0/24.0	0.135	15'-5 1/2"	5 x 1/4" x 17'-4 11/16"	5 x 1/4" x 15'-6 5/8"	5 x 1/4" x 15'-6 5/8"
RF2-2	441	22'-11 3/16"	24.0/24.0	24.0/24.0	0.188	2'-5 1/4"	5 x 1/4" x 2'-9 7/16"	5 x 1/4" x 19'-8"	5 x 1/4" x 19'-8"
RF2-3	354	17'-5 9/16"	13.6/24.0	24.0/24.0	0.135	3'-4 5/16"	5 x 1/4" x 3'-8 5/16"	5 x 1/4" x 3'-5 1/2"	5 x 1/4" x 3'-5 1/2"
			24.0/24.0	24.0/24.0	0.188	2'-5 1/4"	5 x 1/4" x 2'-9 7/16"	5 x 1/4" x 15'-6 5/8"	5 x 1/4" x 15'-6 5/8"
			8.0	24.0/24.0	0.135	15'-5 1/2"	5 x 1/4" x 17'-4 11/16"	5 x 1/4" x 15'-6 5/8"	5 x 1/4" x 15'-6 5/8"



RIGID FRAME ELEVATION: FRAME LINE 2 6

DRAWING STATUS

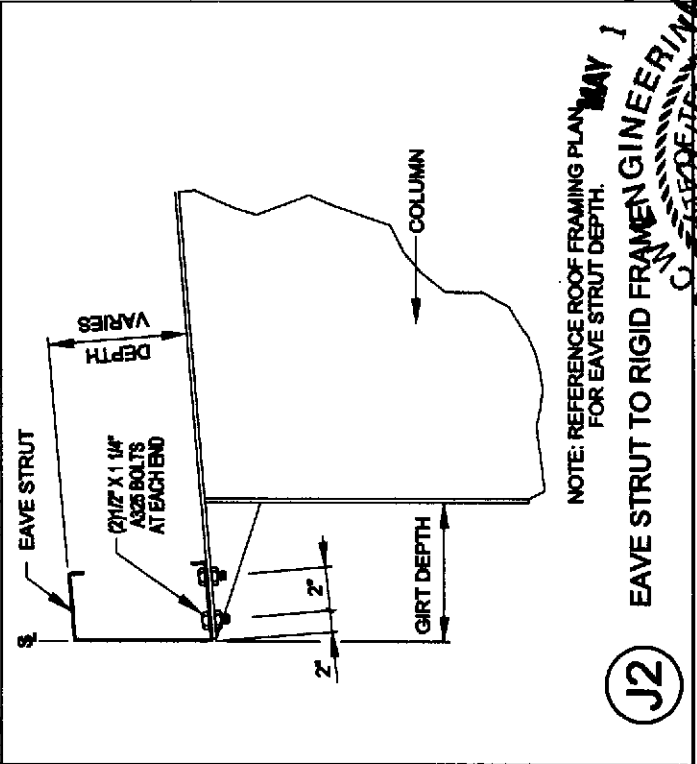
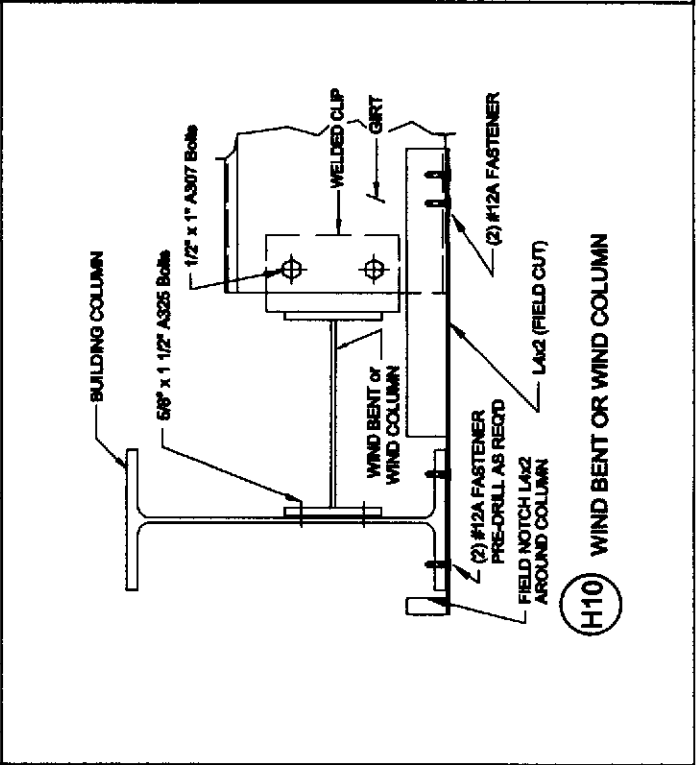
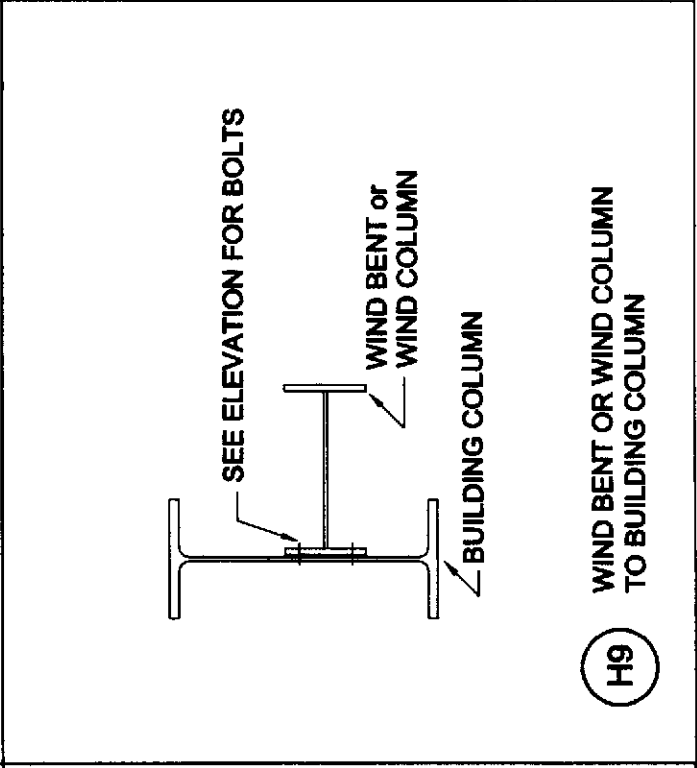
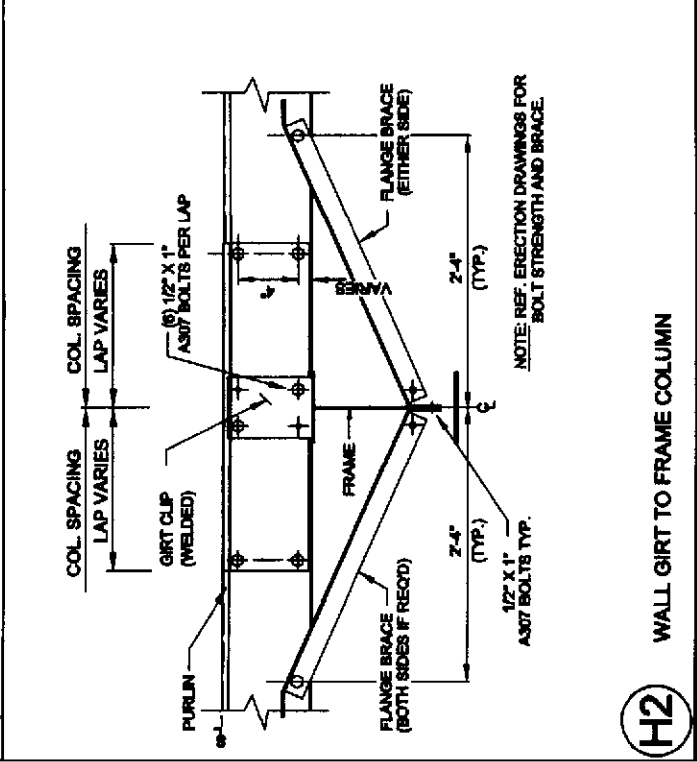
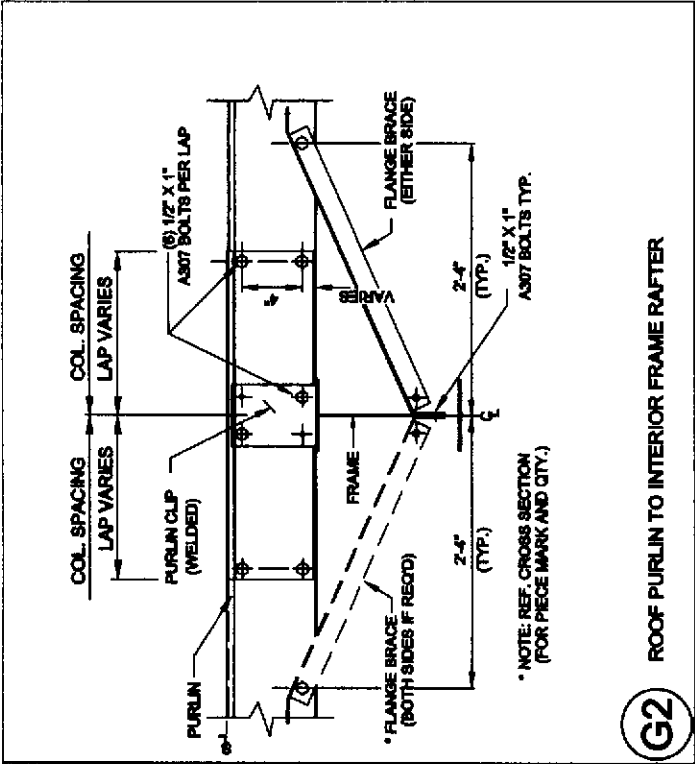
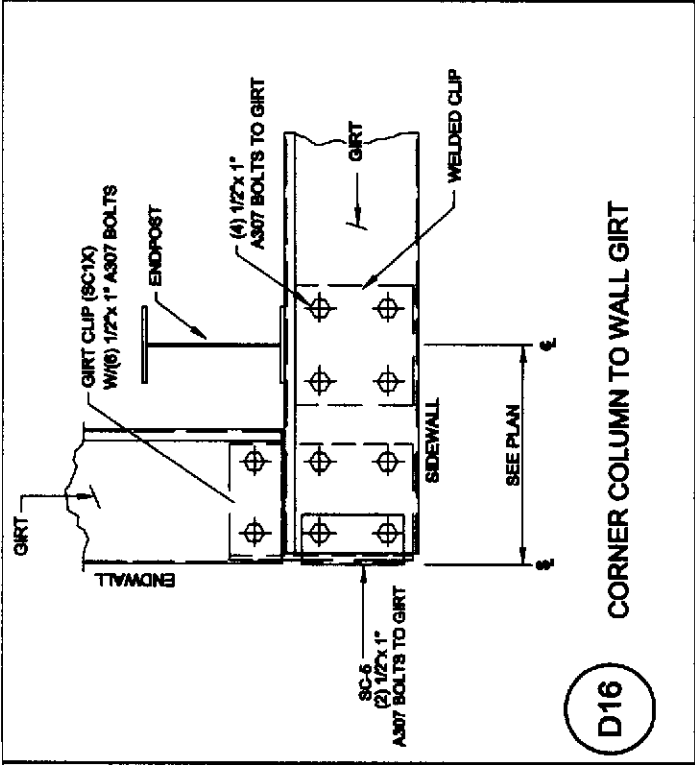
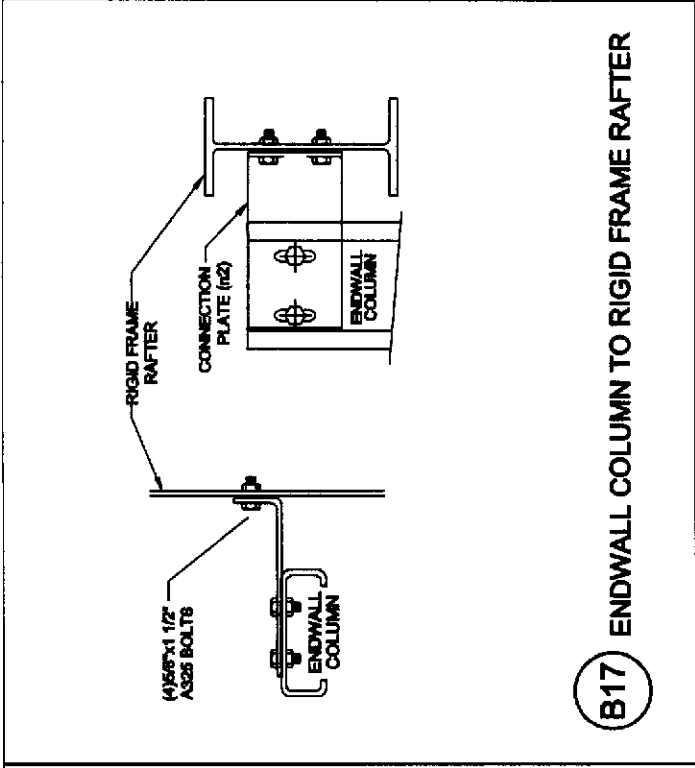
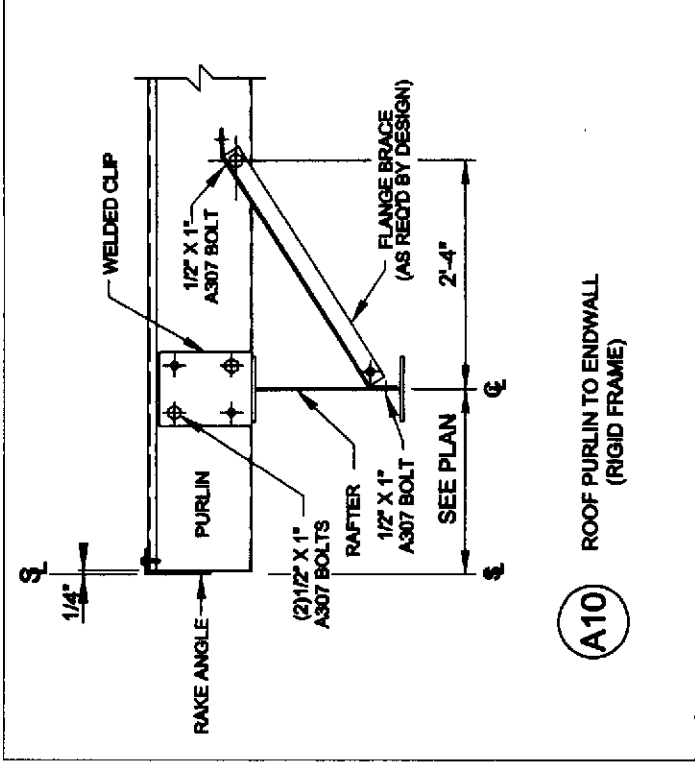
☒	FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE NOT TO BE USED FOR CONSTRUCTION OF THE PROJECT WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.
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REVISIONS		DATE	BY	CHK'D	DESCRIPTION
NO.	DATE				
0	5/16/21				FOR APPROVAL

STRAIGHT LINE METAL BUILDINGS		33916 FM 229 BROOKSIDE, TX 77423 (281) 375-3000	
DESIGN • FABRICATION • ERECTION		RIGID FRAME ELEVATION	
SIZE 50'-0" x 120'-0" x 18'-0"		CUSTOMER T.F. Harper & Associates LP	
LOCATION New Braunfels, TX 78132		JOB NO. 21-6847	
JOB BY DR		SHEET NO. E8 OF 10	



F-3172

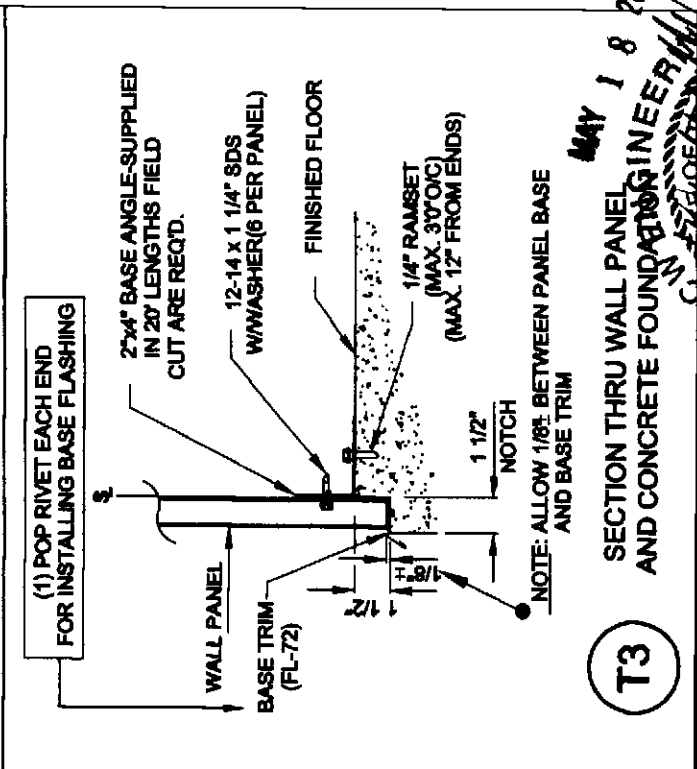
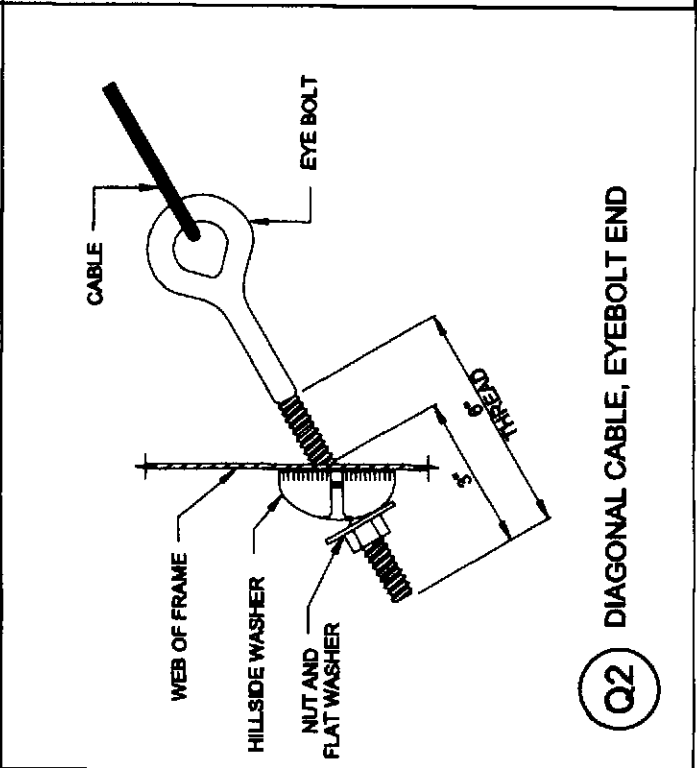
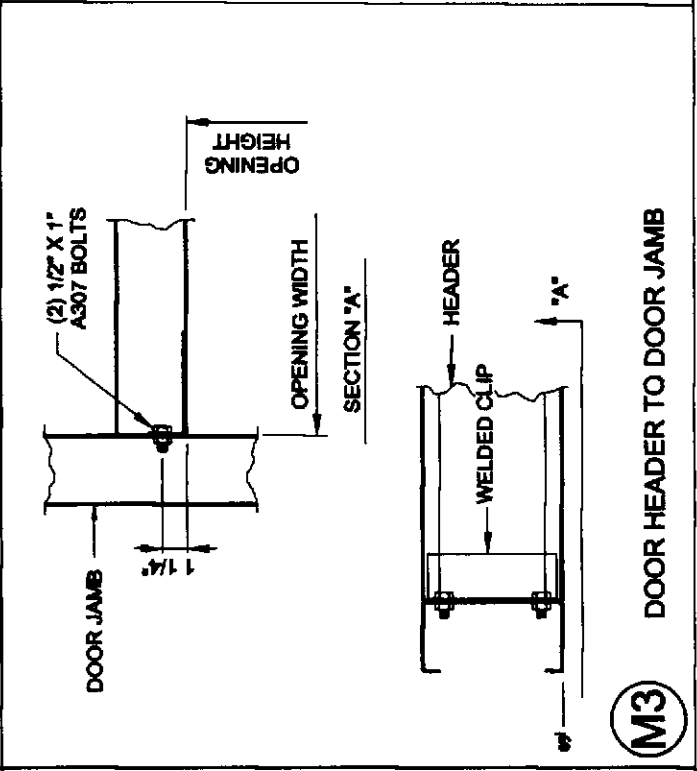
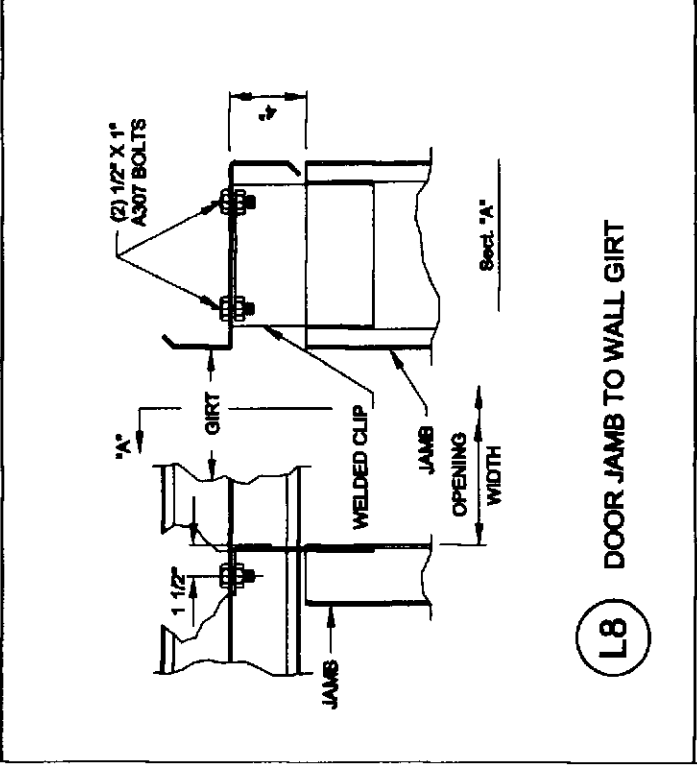
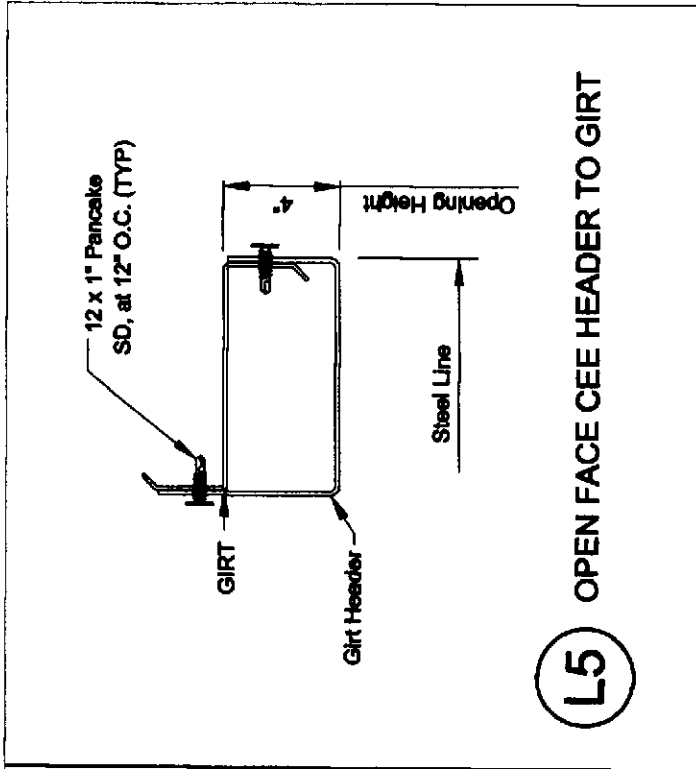
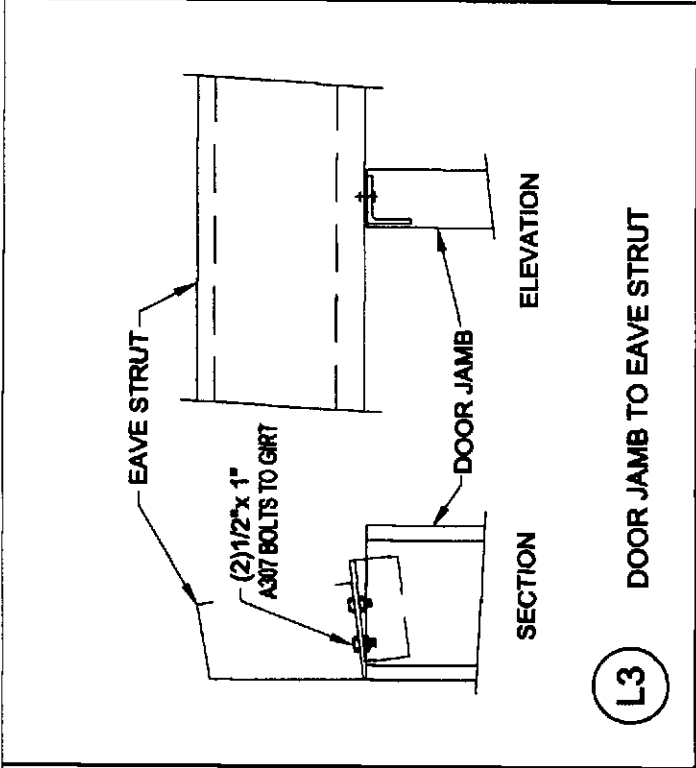
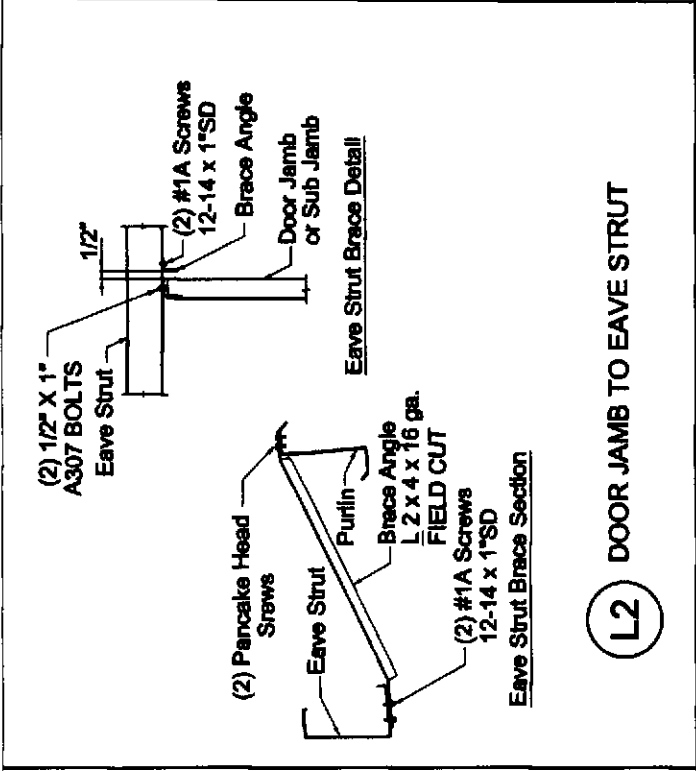
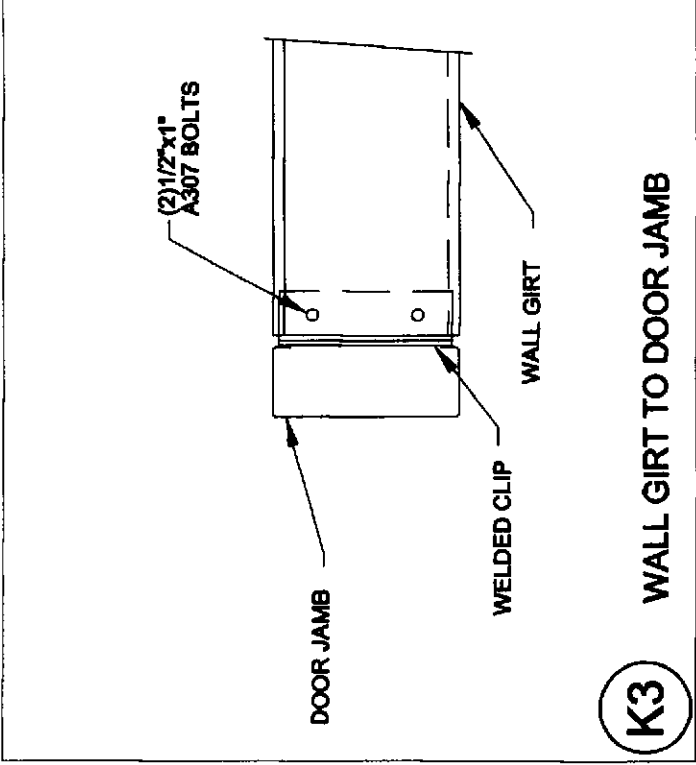


STRAIGHT LINE METAL BUILDINGS

DESIGN • FABRICATION • ERECTION

DETAIL DRAWINGS

SIZE 50'-0\"/>



MAY 18 2021

SECTION THRU WALL PANEL AND CONCRETE FOUNDATION

REGISTERED PROFESSIONAL ENGINEER

WILLIE DEE MORGAN JR.

41332

F-3172

STRAIGHT LINE METAL BUILDINGS

DETAIL DRAWINGS

DESCRIPTION

SIZE

CUSTOMER

LOCATION

DATE

BY

DR

2016 PM 29

BRIDGEVIEW, TX 77423

(281) 375-3820

DESIGN • FABRICATION • ERECTION

60'-0" x 120'-0" x 18'-0"

T.F. Harpaz & Associates LP

New Braunfels, TX 78132

05/18/21

DR

21-6847

D2 OF 5

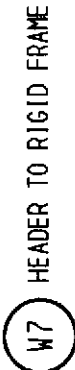
0

DRAWING STATUS

☒ FOR 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 "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.

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A circular professional engineer seal for the State of Texas. The outer ring contains the text "STATE OF TEXAS" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the name "WILLIE DEE MORGAN JR." is written in the center, and the license number "41332" is written below it. The seal is stamped over a document with a large, stylized signature across it.

F-3172

DRAWING STATUS										REVISIONS										STRAIGHT LINE METAL BUILDINGS DESIGN • FABRICATION • ERECTION 52016 FM 520 BRACKENRIDGE, TX 77403 (281) 375-5200																													
☒ FOR APPROVAL: THIS DRAWING, BEING FOR APPROVAL, ARE BY DEFINITION NOT FOR CONSTRUCTION. THESE DRAWINGS ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO OBTAIN PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS INLINED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.										NO. 0 5/9/21										DESCRIPTION FOR APPROVAL										BY DR										QTY									
☐ FOR PERMIT: THIS DRAWING, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL IN THAT, AS A MINIMUM, PRICE MATTERS ARE NOT RESOLVED. ONLY DRAWINGS INLINED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.																																																	
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FINAL DRAWING:																																																	
																				DETAIL DRAWINGS										CUSTOMER																			
																				SIZE										T.F. Harpco & Associates LP																			
																				60'-0" x 120'-0" x 18'-0"										LOCATION																			
																														New Braunfels, TX 78132																			
										DR BY										CDS BY										DR																			
										DATE										DATE										JOB NO.																			
										QTY BY										QTY BY										21-8847																			
										SCALE										SCALE										D3 OF 5																			
										NONE										NONE										ISSUE																			
										0										0										0																			



Fastener Location For "PBR" Roof Panel



All Wall Members Except As Noted Below



Due Date:

Fastener Location "PBR" Panel At Wall

[illegible]

NOTES FOR REACTIONS

1. All loading conditions are assumed and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bending moments are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data:

Variable	Unit	Value
Width	(ft)	50.0
Length	(ft)	120.0
Excess Height	(ft)	18.0/18.0
Root Slope	(ft/12)	3.0/3.0
Root Lanes	(per)	7.0
Collected Load	(per)	7.0
Self Live Load	(per)	22.0
Frame Live Load		
Max per		12.0
Max per		14.0
Stress Load	(per)	3.5
Wind Speed	(mph)	100.0
Wind Code		BC 18
Exposures		B
Obas/Daps		C
Importance	Wind	1.00
Importance	Seismic	1.00
Seismic Zone		A
Seismic Coeff	(rFs)	0.08

5. Loading conditions are:
- | | |
|---|---|
| 1 | Deed+Calibrated+Use |
| 2 | Deed+Calibrated+0.75He+0.25Wind_Lamp18 |
| 3 | 0.5Wind+0.5Wind_Lamp12 |
| 4 | 0.5Wind+0.5Wind_Lamp12 |
| 5 | 0.5Wind+0.5Wind_Lamp11 |
| 6 | 0.5Wind+0.5Wind_Lamp21 |
| 7 | 0.5Wind+0.5Wind_Lamp12+0.5Wind_Suction |
| 8 | 0.5Wind+0.5Wind_Pressure+0.5Wind_Lamp21 |
| 9 | Deed+0.5Wind_Lamp12+0.5Wind_Suction |

ENDWALL COLUMN:

Frm	Col	Dead	Wind	Wind
Line	Line	Vert	Press	Suct
1	B	0.1	-2.7	2.8
2	C	0.1	-2.7	2.8
3	C	0.1	-2.7	2.8
4	B	0.1	-2.7	2.8

ENDWALL COLUMN:

[illegible]

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

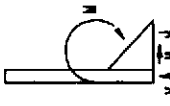
(in)	Dia	Base Thickness	Width	Length	Thick	Grout (in)
0.750		3.500	12.00	0.375	0.0	

BUILDING BRACING REACTIONS

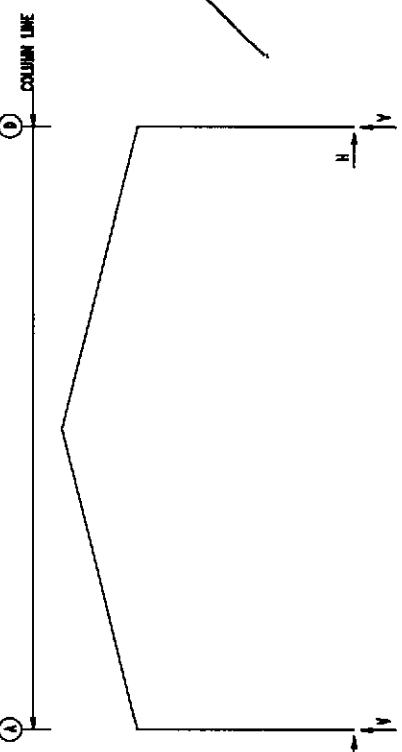
	Well	Cat	$\frac{1}{2}$ Reactions(k)				Pond/Shore ($\frac{1}{2}$ /ft)	Mole
	Line	Line	Harz	Varl	Harz	Varl	Wind	Sols
LEN	1							
SW	0	3						
EN	7							

WIND COLUMN REACTIONS

						$\pm$		Reactions		Base		Thick
Well		Col	L/I	Load ID	Horiz (ft)	Vert (ft)	Moment (ft-k)	Avg. Bulb Dia	Flow	Width	Base Length	
Leo	Line	Line										
F-5W	D	J	R	Wind Sulfamic	3.8	28.5	64.2	2	0.750	8.000	27.000	0.625
					1.5	10.7	28.7					



SENTENCE



RIGID FRAME:

Firm Line	Col Line	Column_Directions(°)					Hmin H	V		Bot(m) Qty	Base_Plane(m) Width	Base_Plane(m) Length	Thick	Gwst (in)
		Lead Id	Hmax H	Vmax V	Hmin H	Vmin V								
10	A	1	2.5	8.8	5	-1.1	-1.8	4	0.750	6.000	8.750	0.500	0.0	
					4	-0.5	-2.3							

RIGID FRAME:

Frm Line	Col Line	Column_Direction(s)				H in	V in	H ft	V ft	Base_Width in	Base_Length in	Thick	Grid (in)
		Local id	Hmax H	Vmax V	Local id								
2*	A	1	4.6	11.3	3	-3.1	-2.0	0.4	-4.8	6.000	8.750	0.025	0.0

RIGID FRAME:

Frame	Column	Dead		Collided		Line		Score		Wind_Left		Wind_Right			
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert		
1	A	0.3	1.2	1.2	1.9	1.4	3.7	0.4	0.9	-1.5	-4.6	-1.8	-4.3		
2	B	-0.3	1.2	-0.7	1.9	-1.4	3.7	-0.4	0.9	1.8	-4.3	1.5	-4.6		
Frame	Column	Wind_Left2		Wind_Right2		Wind_Long2		Wind_Long2		Score		Wind_Left		Wind_Right	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	A	-2.2	-3.9	-1.2	-5.1	-1.8	-4.7	0.7	2.0	0.7	2.0	-0.1	0.0	0.1	0.0
2	B	1.2	-5.1	2.2	-3.9	1.8	-4.7	-0.7	2.0	-0.7	2.0	-0.1	0.0	0.1	0.0
Frame	Column	Wind_SNOW		Wind_SL1		Wind_SL2		Score		Wind_Left		Wind_Right			
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert		
1	A	0.3	1.3	0.4	1.9	0.4	6.0	0.7	1.7	-3.4	-6.2	1.4	-4.9		
2	B	-0.3	1.3	-0.4	1.9	-0.4	6.0	-0.7	1.8	-1.4	-4.8	-5.4	-6.2		

DRAWING STATUS

- | | |
|-------------------------------------|--|
| ☒ | <p>FOR APPROVAL:</p> <p>DESIGN DRAWINGS: SEND FOR APPROVAL. ARE BY DESCRIPTION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM GENERAL REPRESENTATION OF THE PROJECT DOCUMENTS. ALL DRAWINGS BEING "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.</p> |
| ☐ | <p>FOR REVIEW:</p> <p>DESIGN DRAWINGS: SEND FOR REVIEW. ARE BY DESCRIPTION NOT FINAL. THAT AS MINIMUM, REECS DRAWINGS ARE NOT DESIGNED, ONLY DRAWINGS BEING "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.</p> |
| ☐ | <p>FOR CONSTRUCTION:</p> <p>FINAL DRAWINGS.</p> |

REVISIONS					
Q.	DATE	DESCRIPTION	BY	QTY	
0	5/18/21	FOR APPROVAL	BR		

**STRAIGHT LINE
METAL BUILDINGS**

DESIGN • FABRICATION • ERECTION

DESCRIPTION		ANCHOR BOLT REACTIONS	
SIZE	50'-0" x 120'-0" x 18'-0"		
CUSTOMER	T.F. Harper & Associates LP		
LOCATION	New Braunfels, TX 78132		
DRAWN BY	QTY BY	DATE	JOB NO.
DRB	WY	5/18/21	21-0047
POS	VSSE	NAME	QUOTE NO.
SHEET NO.	DR		
AR3 OF 3			

32916 PM JSP
 BROOKSHIRE, TX 77423
 (281) 375-3280