

PRIMARY STEEL LAYOUT

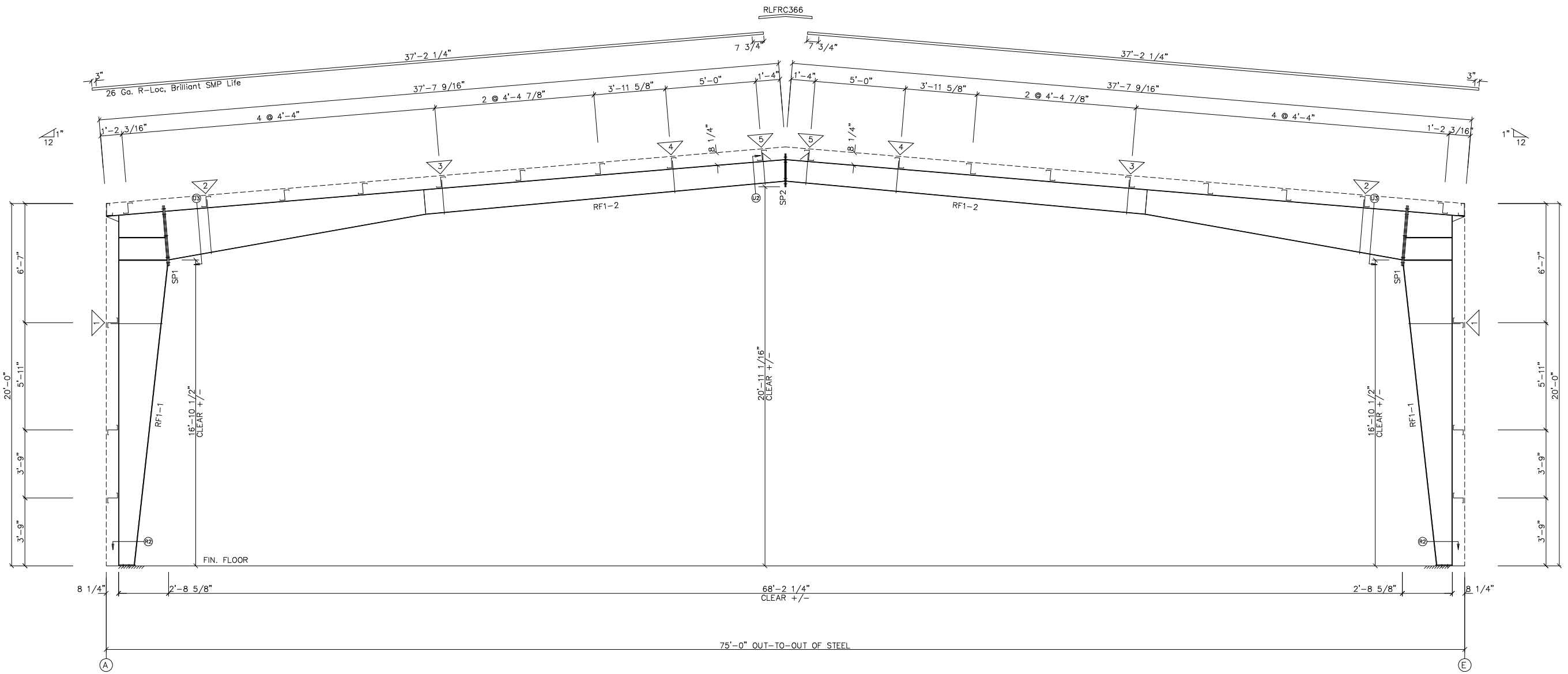


PO Box 12327
Murfreesboro, TN, 37129
615-807-1240


Client	Drawing Description	PRIMARY STEEL LAYOUT
Customer Name	American Steel Buildings	
Project Name	Ramirez Business Park - A	
Project Location	Cypress, TX 77429	
Job No.	Q22021	Sheet No.

Revision	Date	Description

The Engineer whose seal and signature appears hereon is an employee of the manufacturer for the materials described herein. Said seal or certification is limited to the products designed and manufactured by the manufacturer and the undersigned engineer is not the owner engineer of record for the project.




MAIN FRAME ELEVATION: FRAME LINE 2-5

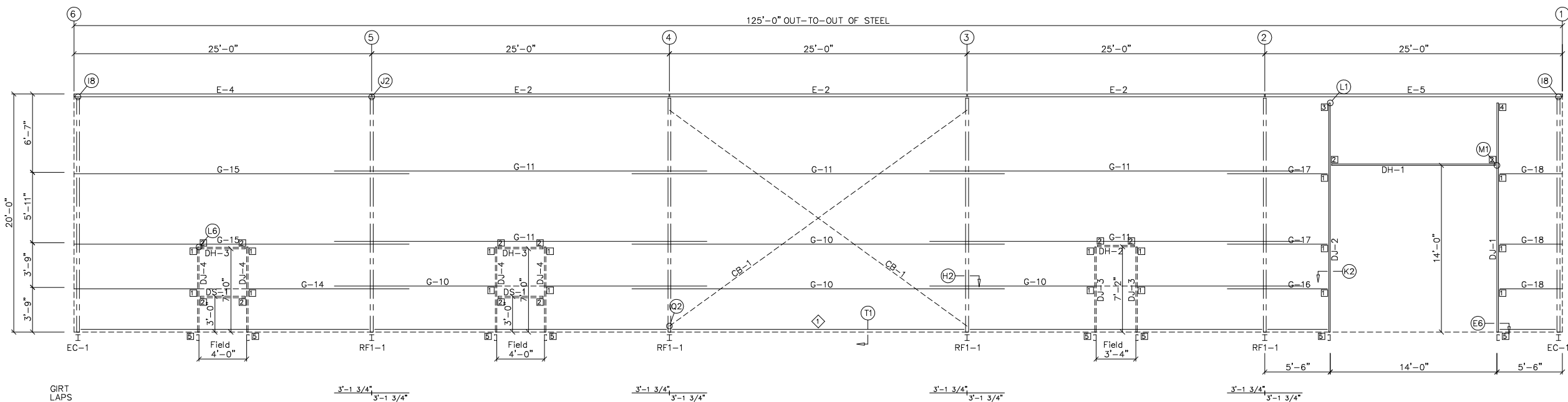
 American Steel Buildings PO Box 12327 Murfreesboro, TN, 37129 615-807-1240		CROSS SECTION	
		Drawing Description Customer Name Project Name Project Location Job No.	American Steel Buildings Ramirez Business Park - A Cypress, TX 77429 Q22021
Description Date Revision	By Title	Description Date Revision	Description Date Revision
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DOWNSPOUT LOCATIONS

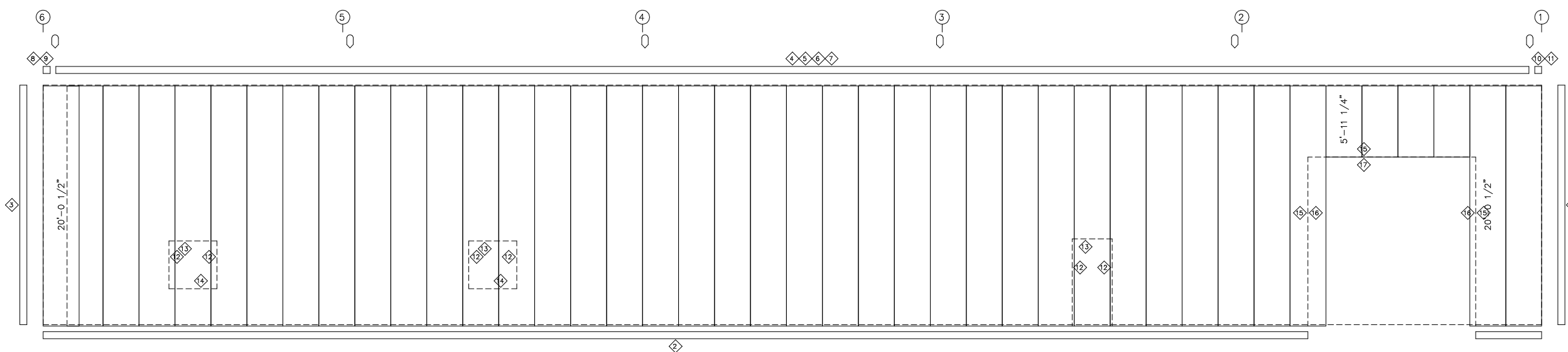
Panel Table Frame Line - A			
Quantity	Length	Part	Color
38	20'-0 1/2"	26 Ga. Rloc	Gallery SMP Life
4	5'-11 1/4"	26 Ga. Rloc	Gallery SMP Life



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SIDEWALL FRAMING: Frame Line A

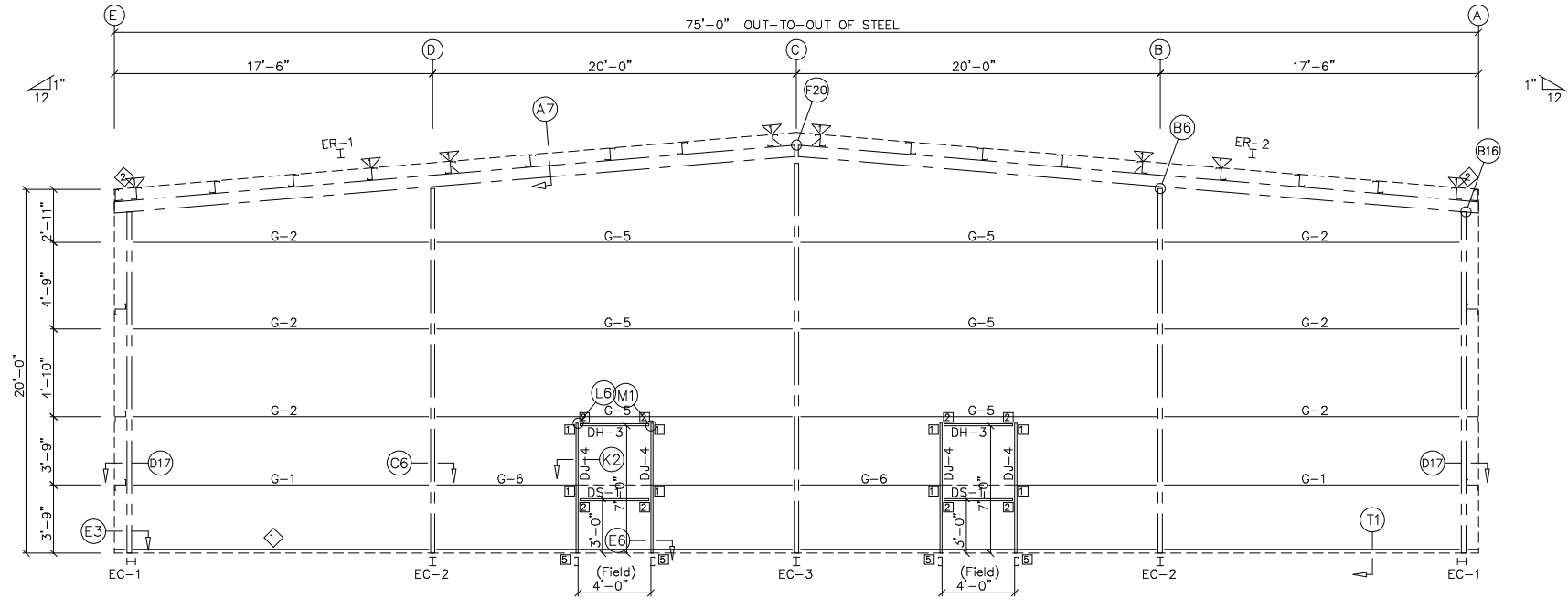


SIDEWALL SHEETING & TRIM: Frame Line A

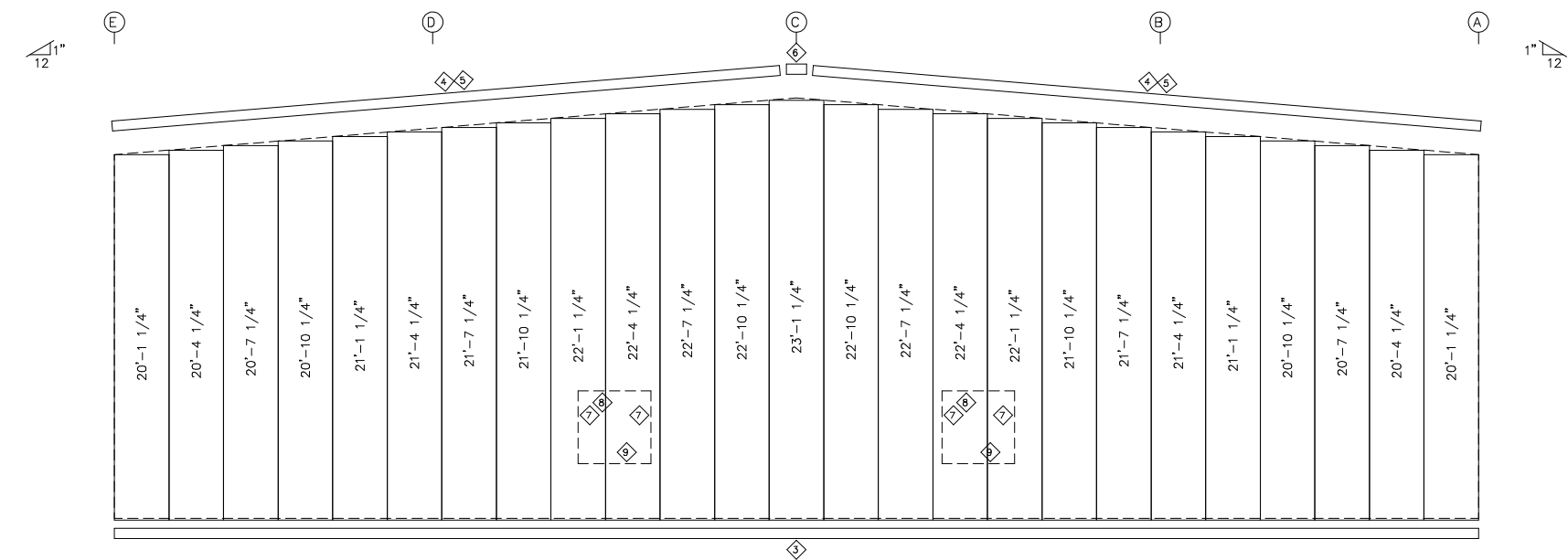
By	Checked	Description
		SIDEWALL ELEVATION
		Customer Name: American Steel Buildings
		Project Name: Ramirez Business Park - A
		Project Location: Cypress, TX 77429
		Job No: Q22021
		Sheet No:

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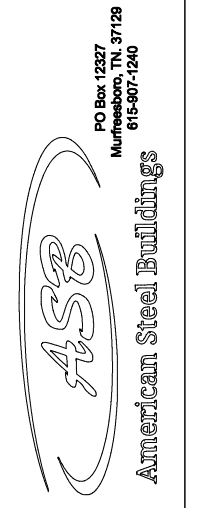
Panel Table Frame Line - 6			
Quantity	Length	Part	Color
2	20'-1 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	20'-4 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	20'-7 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	20'-10 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	21'-1 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	21'-4 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	21'-7 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	21'-10 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	22'-1 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	22'-4 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	22'-7 1/4"	26 Ga. Rloc	Galvalume SMP Life
2	22'-10 1/4"	26 Ga. Rloc	Galvalume SMP Life
1	23'-1 1/4"	26 Ga. Rloc	Galvalume SMP Life



ENDWALL FRAMING: Frame Line 6



ENDWALL SHEETING & TRIM: Frame Line 6



Customer Name:	American Steel Buildings
Project Name:	Romirez Business Park - A
Project Location:	Cypress, TX 77429
Job No:	Q22021

By	Checked	Description

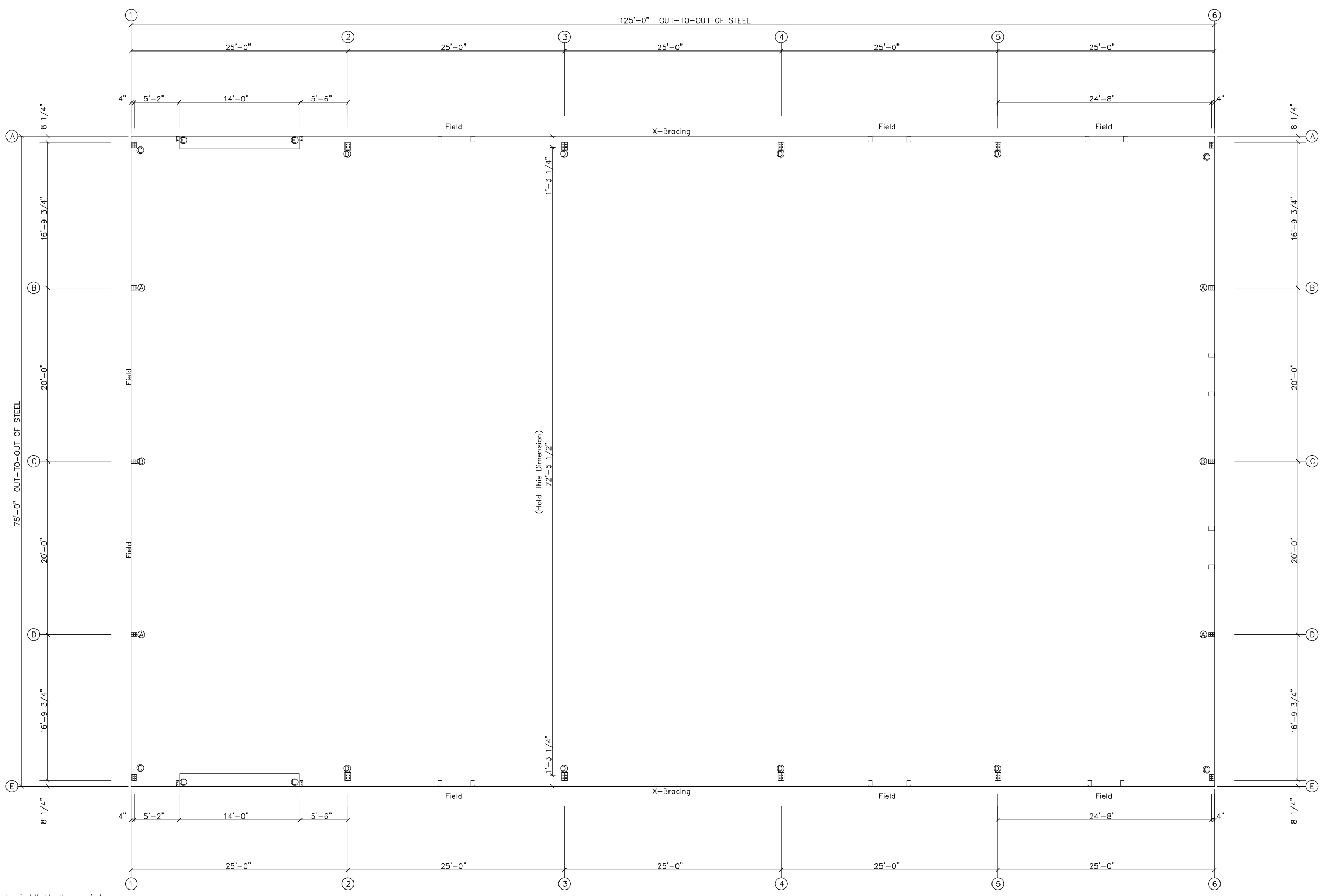
Revision	Date	Description

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By	Checked	Drawing Description	ANCHOR BOLT PLAN
		Customer Name	American Steel Buildings
		Project Name	Ramirez Business Park - A
		Project Location	Cypress, TX 77429
		Job No.	Q22021
		Sheet No.	

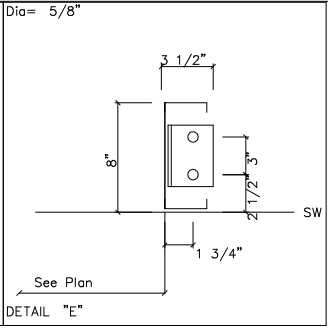
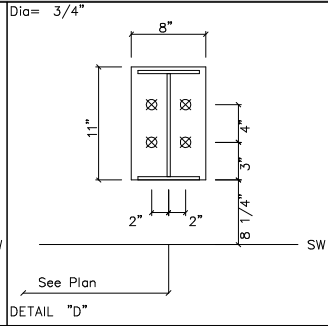
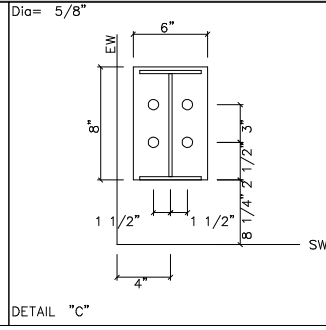
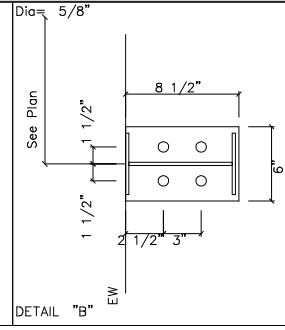
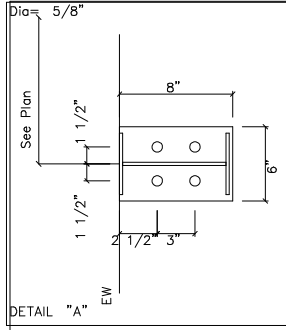
Revision	Date	Description

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

- GENERAL NOTES**
- 1.) Anchor Rods are not furnished or installed by the manufacturer.
 - 2.) No Grout is to be used under the base plates unless noted otherwise.
 - 3.) The Metal Building Manufacturer is not responsible for the design, materials, or Workmanship of the foundation. Anchor Rod Plans prepared by the manufacturer are intended to show only location, diameter, and projection of the anchor rods required to attach the Metal Building System to the foundation. It is the responsibility of the end Customer to ensure that adequate provisions are made for specifying rod embedment, bearing values, tie rods and other associated items embedded in the concrete foundation, as well as foundation design for the loads imposed by the Metal Building System, other imposed loads, and the bearing capacity of the soil and other conditions of the building site. (MBMA 06 Sections 3.2.2 and A3)
 - 4.) Foundation must be square and level with all anchor rods true in size, location, and projection.



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Revision	Date	Description	By	Checked	Drawing Description
					"A"
					Customer Name American Steel Buildings
					Project Name Ramirez Business Park - A
					Project Location Cypress, TX 77429
					Job No 022021
					Sheet No



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American Steel Buildings

NOTES FOR REACTIONS

1. All loading conditions are examined 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. Bracing reactions 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:
 - Width (ft) = 75.0
 - Length (ft) = 125.0
 - Eave Height (ft) = 20.0 / 20.0
 - Roof Slope (rise/12) = 1.00 / 1.00
 - Roof Dead Load (psf) = 2.5
 - Wall Dead Load (psf) = 2.0
 - Left Endwall (psf) = 2.0
 - Right Endwall (psf) = 2.0
 - Front Sideload (psf) = 2.0
 - Back Sideload (psf) = 2.0
 - Roof Live Load (psf) = 20.0
 - Frame Live Load (psf) = 12.0
 - Collateral Load (psf) = 5.0
 - Snow Load (psf) = 3.5
 - Minimum Snow (psf) = 5.0
 - Wind Speed (mph) = 130.0
 - Wind Code = IBC 21
 - Exposure = Enclosed
 - Closure = -0.18, +0.18
 - Internal Wind Coeff = -1.0
 - Risk Category = Normal
 - Importance = Wind = 1.00
 - Importance = Seismic = 1.00
 - Seismic Design Category (Sms) = 1.11
 - Seismic Coeff (Sms) = 0.11
5. Loading conditions are:
 - 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 Dead+Collateral+EIPAT_LL_4
 - 9 0.6Dead+0.6Wind_Left1+0.6Wind_Suction
 - 10 Dead+Collateral+EIPAT_LL_1
 - 11 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
 - 12 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
 - 13 Dead+Collateral+EIPAT_LL_2
 - 14 Dead+Collateral+EIPAT_LL_3
 - 15 0.6Dead+0.6Wind_Suction+0.6Wind_Long2L
 - 16 Dead+Collateral+EIPAT_LL_5
 - 17 Dead+Collateral+EIPAT_LL_4
 - 18 Dead+Collateral+EIPAT_LL_1
 - 19 Dead+Collateral+EIPAT_LL_2
 - 20 Dead+Collateral+EIPAT_LL_3
 - 21 Dead+Collateral+EIPAT_LL_5

GENERAL NOTES

It is the responsibility of the end user to verify that the loads shown meet local requirements and are adequate for the intended use of the building. Metal building manufacturer does not serve as the Engineer of Record.

Metal building manufacturer is not responsible for the fit of framing steel in instances where anchorbolts are not set in the exact locations shown on these drawings.

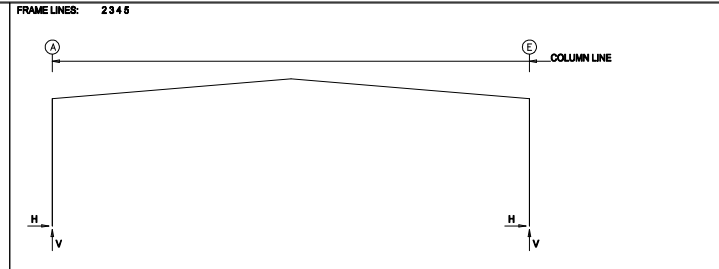
The horizontal load from the building bracing reactions are perpendicular to the Rigid frame horizontal reactions. The building bracing reactions are to be combined with the loads from the rigid frame reactions.

The anchor bolts are ASTM F1554 Gr. 36. The anchor bolt projection starts at bottom of base plate. The base plate design is based on minimum 5000 psi concrete compressive strength.

BUILDING BRACING REACTIONS

Loc	Line	Col Line	Reactions (k)				Panel Shear (lb)	Sels
			Wind	Seismic	Wind	Sels		
L-EW	1	3,4	10.1	7.4	1.2	0.9	46	4
R-EW	6	10.1	7.4	1.2	0.9	52	4	
B-SW	A	4,3	10.1	7.4	1.2	0.9		

Reactions for seismic represent shear force, Eh
Reaction values shown are unfactored



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

Frm Line	Col Line	Load Id	Column Reactions (k)		Hmin H	V Vmin	Bolt Qty	Dia	Base Plate (in)		Grout (ft)		
			Load H	Load V					Width	Length			
2*	A	1	13.0	19.6	2	-10.1	-13.3	4	0.750	8.000	11.00	0.625	0.0
2*	E	3	10.1	-13.3	1	-13.0	19.6	4	0.750	8.000	11.00	0.625	0.0
2*	Frame Lines: 2 3 4 5												

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frm Line	Column Line	Dead		Collat		Live		Snow		Wind Left		Wind Right		
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	
2*	A	2.1	3.6	3.2	4.7	7.6	11.2	2.2	3.3	-18.0	-25.8	8.5	-18.0	
2*	E	-2.1	-3.6	-3.2	-4.7	-7.6	-11.2	-2.2	-3.3	18.0	25.8	-8.5	18.0	
2*	Frame Lines: 2 3 4 5													

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead	Collat	Live	Snow	Wind Left1	Wind Right1	Wind Left2	Wind Right2	Wind Press	Wind Suct	Wind Long1	Wind Long2
1	A	0.5	0.4	1.7	0.3	-3.3	-2.0	-2.1	-0.8	-3.4	3.9	-3.6	-2.3
1	B	1.1	1.3	5.1	0.9	-10.5	-6.6	-7.4	-2.5	-8.3	5.9	-10.5	-5.6
1	C	1.2	1.3	5.0	0.9	-7.8	-7.8	-5.1	-5.1	-8.3	6.9	-7.2	-7.2
1	D	1.1	1.3	5.1	0.9	-5.6	-10.5	-2.5	-7.4	-8.3	5.9	-5.6	-10.5
1	E	0.5	0.4	1.7	0.3	-2.0	-3.3	-0.8	-2.1	-3.4	3.9	-2.3	-3.6

Frm Line	Col Line	Sels	Sels	Sels	Sels	MIN SNOW	EUNB_SL_L	EUNB_SL_R	EIPAT_LL_1	EIPAT_LL_2				
											Horz	Vert	Horz	Vert
1	A	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.0	0.1	0.0	1.7	0.0	-0.2
1	B	0.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0	0.1	0.0	5.4	0.0	2.4
1	C	0.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0	0.1	0.0	2.5	0.0	5.7
1	D	0.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0	0.1	0.0	-0.3	0.0	2.4
1	E	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.3	0.0	0.1	0.0	-0.2

Frm Line	Col Line	EIPAT_LL_3	EIPAT_LL_4	EIPAT_LL_5	Wind Left1	Wind Right1	Wind Left2	Wind Right2	Wind Press	Wind Suct	Wind Long1	Wind Long2
1	A	0.0	0.1	0.0	2.1	0.0	-0.3					
1	B	0.0	-0.3	0.0	2.2	0.0	2.9					
1	C	0.0	2.5	0.0	2.5	0.0	2.5					
1	D	0.0	5.4	0.0	2.9	0.0	2.2					
1	E	0.0	1.7	0.0	0.3	0.0	2.1					

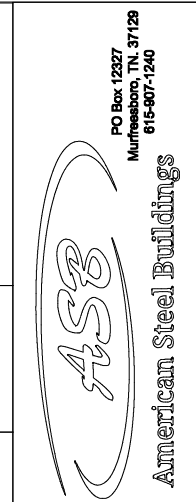
Frm Line	Col Line	Sels	Sels	Sels	Sels	MIN SNOW	EUNB_SL_L	EUNB_SL_R	EIPAT_LL_1	EIPAT_LL_2				
											Horz	Vert	Horz	Vert
6	E	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.0	0.1	0.0	1.7	0.0	-0.2
6	D	0.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0	0.1	0.0	5.4	0.0	2.4
6	C	0.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0	0.1	0.0	2.5	0.0	5.7
6	B	0.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0	0.1	0.0	-0.3	0.0	2.4
6	A	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.3	0.0	0.1	0.0	-0.2

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

Frm Line	Col Line	Load Id	Column Reactions (k)		Hmin H	V Vmin	Bolt Qty	Dia	Base Plate (in)		Grout (ft)		
			Load H	Load V					Width	Length			
1	A	6	2.3	-1.9	7	-2.0	-1.9	4	0.625	6.000	8.000	0.375	0.0
1	B	9	3.5	-5.7	7	-3.2	-5.7	4	0.625	6.000	8.000	0.375	0.0
1	C	11	4.1	-4.0	12	-3.8	-3.6	4	0.625	6.000	8.500	0.375	0.0
1	D	13	0.0	8.1	11	4.1	-4.0	4	0.625	6.000	8.000	0.375	0.0
1	E	15	2.3	-1.9	12	-2.0	-1.9	4	0.625	6.000	8.000	0.375	0.0
6	E	6	2.3	-1.9	7	-2.0	-1.9	4	0.625	6.000	8.000	0.375	0.0
6	D	9	3.5	-5.7	7	-3.2	-5.7	4	0.625	6.000	8.000	0.375	0.0
6	C	11	4.1	-4.0	12	-3.8	-3.6	4	0.625	6.000	8.500	0.375	0.0
6	B	13	0.0	8.1	11	4.1	-4.0	4	0.625	6.000	8.000	0.375	0.0
6	A	15	2.3	-1.9	12	-2.0	-1.9	4	0.625	6.000	8.000	0.375	0.0

ANCHOR BOLT SUMMARY

Qty	Locals	Dia (in)	Type	Proj (ft)
8	Jamb	5/8"	A307	2.50
40	Endwall	5/8"	A307	3.00
82	Frame	3/4"	A307	3.00



Client	Draining Description	Customer Name	Project Name	Project Location	Job No.
		American Steel Buildings	Ramirez Business Park - A	Cypress, TX 77429	Q22021

Date	Revisions	Description

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