

IAS

ACCREDITED

Metal Building Systems

AC 472

VULCAN

STEEL STRUCTURES, INC.

MIAMI DADE COUNTY

APPROVED

MBMA

METAL BUILDING MANUFACTURES ASSOCIATION

LETTER OF CERTIFICATION

VULCAN STEEL STRUCTURES, INC

Job Number 27967

Customer Name: MIDWEST STEEL

Job Location: LEE’S SUMMIT, MO 64064

DATE: 2/27/23

DESIGNED BY: ZJM

DETAILED BY: KMG

CHECKED BY: PMS

DESIGN PARAMETERS	COMMENTS
BUILDING DESCRIPTION: NOMINAL WIDTH: 70 feet NOMINAL LENGTH: 170 feet EAVE HEIGHT, BACK S.W: 23.08 feet EAVE HEIGHT, FRONT S.W: 26 feet ROOF SLOPE: 0.5:12	
DESIGN LOADS BUILDING CODE: IBC 18 FRAME SELF WEIGHT: INCLUDED ROOF DEAD LOAD: 2.000 psf COLLATERAL LOAD: 3 psf ROOF LIVE LOAD: 20.00 psf FRAME LIVE LOAD: 12 psf SNOW LOAD, ROOF: 14 psf WIND SPEED: (3 SEC GUST) 110 mph (Vult) 85.21 mph (Vasd) INTERNAL PRESSURE COEFF. : 0.18/ -0.18 WIND EXPOSURE: B CLOSURE "C, O, P" : Closed RISK CATEGORY : II - Normal	SNOW : FLAT ROOF SNOW LOAD Pf : 14 psf GROUND SNOW LOAD Pg : 20.00 psf SNOW LOAD IMP. FACTOR 1.00 THERMAL FACTOR Ct : 1.00 SNOW EXP. FACTOR Ce : 1.00 SNOW DRIFT (MAX) : SPECIAL DEFLECTION CRITERIA : FRAME DRIFT : H/100 WALL GIRTS : L/240

SEISMIC PARAMETERS

SEISMIC-FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE

SITE CLASS (ASSUMED) : D

SEISMIC IMPORTANCE: 1.00

SEISMIC DESIGN CATEGORY: B

DESIGNED SPECTRAL ACCELERATION PARAMETER "SDS" - (SHORT PERIODS): 0.10

DESIGNED SPECTRAL ACCELERATION PARAMETER "SD1" - (1 SEC PERIODS): 0.11

MAPPED SPECTRAL RESPONSE ACCELERATION: "SS" - (SHORT PERIODS): 0.10

MAPPED SPECTRAL RESPONSE ACCELERATION: "S1" - (1 SEC PERIOD): 0.07

SEISMIC RESPONSE MODIFICATION COEFFICIENT: "R" - 3.00

SEISMIC RESPONSE COEFFICIENT: "Cs" - 0.035

TOTAL LONGITUDINAL BASE SHEAR : 3.49

TOTAL TRANSVERSE BASE SHEAR : 3.80

GENERAL NOTES

1. MATERIALS

STRUCTURAL STEEL PLATE
COLD FORMED LIGHT GAGE SHAPES
BRACE CABLES
HOT ROLLED MILL SHAPES
ROOF AND WALL SHEETS
BOLTS

ASTM DESIGNATION
A529 OR A572
A1011
A475 EHS
ASTM A992
A653 OR A792
A307, F3125 GRADE A325 OR A490

GRADE 50 or GRADE 55
GRADE 55

GRADE 50
GRADE 50 or GRADE 80
A307 UNLESS NOTED

2. STRUCTURAL PRIMER

SHOP PRIMER PAINT IS A MINIMAL NON-UNIFORM THICKNESS COATING OF A RUST INHIBITIVE PRIMER (UNLESS NOTED OTHERWISE) SATISFYING THE REQUIREMENTS OF TT-P-664. THIS PRIMER IS NOT TO BE CONSIDERED A FINISH COAT AND IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. THIS PRIMER IS NOT WARRANTED OR REPRESENTED AS BEING COMPATIBLE WITH ANY TYPE OF FINISH PAINT SYSTEM. THE PRIMER COAT APPLIED AT THE FACTORY IS SUBJECT TO BLEMISHES, SCUFFS, SCRATCHES AND THE LIKE DURING SHIPPING AND DURING HANDLING AS PART OF THE ERECTION PROCESS. IT IS THE RESPONSIBILITY OF THE ERECTOR TO TOUCH UP ANY SUCH UNDESIRABLE CONDITIONS DURING OR AFTER THE ERECTION PROCESS. OBJECTIONS TO PRIMER APPEARANCE SHALL NOT BE SUBJECT TO REJECTION OR BE CONSIDERED A CAUSE FOR REJECTION.

3. F3125 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTS ARE GRADE A325 UNLESS SPECIFICALLY NOTED OTHERWISE.

STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE TURN-OF-THE-NUT METHOD IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS. A325T BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE NUT METHOD.

ALL HIGH STRENGTH BOLTS, EXCEPT AS NOTED OTHERWISE, ARE SUBJECT TO DIRECT TENSION AND MAY REQUIRE INSPECTION AS DEFINED BY THE APPLICABLE BUILDING CODE OR STANDARD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS.

4. BUILDER/CONTRACTOR RESPONSIBILITIES

THE METAL BUILDING MANUFACTURER'S STANDARD PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS, THE METAL BUILDING MANUFACTURER'S DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN THE WORK.

IN CASE OF DISCREPANCIES BETWEEN METAL BUILDINGS MANUFACTURER STRUCTURAL PLANS AND PLANS FOR OTHER TRADES. THE METAL BUILDING MANUFACTURER'S PLANS SHALL GOVERN.

IT IS THE RESPONSIBILITY OF THE BUILDER / CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES, AS REQUIRED.

APPROVAL OF METAL BUILDING MANUFACTURER'S DRAWINGS CONSTITUTES THE BUILDER / CONTRACTOR'S ACCEPTANCE OF THE METAL BUILDING MANUFACTURER'S INTERPRETATION OF THE CONTRACT PURCHASE ORDER.

ONCE THE BUILDER / CONTRACTOR OR A/E FIRM HAS SIGNED MANUFACTURER'S APPROVAL PACKAGE, CHANGES FROM THE PURCHASE ORDER BY THE BUILDER WILL BE BILLED TO THE BUILDER / CONTRACTOR FOR MATERIAL, ENGINEERING AND HANDLING FEES. SUCH CHANGES MAY CAUSE THE PROJECT TO BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE. A PENALTY FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE, AS LONG AS THE MANUFACTURER'S DESIGN AND DETAILING APPROACH COMPLIES WITH THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR OR A/E FIRM ARE RESPONSIBLE FOR THE OVERALL PROJECT CONDITION. ALL INTERFACE AND COMPATIBILITY CONCERNING ANY MATERIALS NOT FURNISHED BY THE MANUFACTURER ARE TO BE CONSIDERED AND COORDINATED BY THE BUILDER / CONTRACTOR OR A/E FIRM. UNLESS SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE PURCHASE ORDER. THE METAL BUILDING MANUFACTURER'S ASSUMPTIONS WILL GOVERN.

THE BUILDER / CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL OTHER PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY. SUPPLYING SEALED ENGINEERING DESIGN DATA AND DRAWINGS BY THE BUILDING MANUFACTURER DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. THESE DRAWINGS AND DESIGN DATA ARE SEALED AS TO THE STRUCTURAL SYSTEM FURNISHED BY THE METAL BUILDING MANUFACTURER IN COMPLIANCE WITH ALL REQUIREMENTS OF THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL BUILDING COMPONENTS IN ACCORDANCE WITH THE METAL BUILDING MANUFACTURER'S "FOR CONSTRUCTION" DRAWINGS. TEMPORARY SUPPORTS OR BRACING REQUIRED FOR THE BUILDING ERECTION WILL BE THE RESPONSIBILITY OF THE ERECTOR TO DETERMINE, FURNISH, AND INSTALL.

THE METAL BUILDING MANUFACTURER DOES NOT WARRANT STRUCTURAL INTEGRITY OF ANY COMPONENTS FIELD MODIFIED OR DESIGNED AND FABRICATED BY OTHERS. NEITHER DO WE ACCEPT DESIGN RESPONSIBILITY FOR THE EFFECTS NON STANDARD COMPONENTS DESIGNED BY OTHERS MAY HAVE ON THE SYSTEM IN GENERAL.

AS TAKEN FROM THE FOURTEENTH EDITION OF THE AISC MANUAL PAGE 16.3-56 PARAGRAPH 7.14 - READS AS FOLLOWS "THE CORRECTION OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, GRINDING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE WITH DRIFT PINS, SHALL BE CONSIDERED TO BE NORMAL ERECTION OPERATIONS."

IF NDT (NON-DESTRUCTIVE WELD TESTING) IS REQUIRED, IT IS NOT PROVIDED BY THE SELLER AND IS THE SOLE RESPONSIBILITY OF THE BUYER.

SPECIAL NOTES:

BUILDING IS NOT STRUCTURALLY SOUND UNTIL ALL WALL COVERING, ROOF SHEETS, AND PERMANENT BRACING IS INSTALLED. BUILDER / CONTRACTOR IS RESPONSIBLE FOR SUPPORTS OR TEMPORARY BRACING DURING ERECTION, HE SHALL FURNISH, AND INSTALL THESE TEMPORARY SUPPORTS WHERE NECESSARY. TEMPORARY SUPPORTS ARE NOT PROVIDED BY THE METAL BUILDING MANUFACTURER.

OUTSIDE VENDOR ACCESSORY NOTE:

BUYER SHALL BE RESPONSIBLE TO COORDINATE, ASSURE AND VERIFY THAT THE STRUCTURE AND CLEARANCES AS PROVIDED BY BUILDING MANUFACTURER ARE COMPATIBLE WITH THE DOOR PROVIDED BY OTHERS.

TUBE SEALANT

GUTTER

3" LAP

STANDARD TRIM LAP DETAIL

NOTE: ALL TRIM CONTAINED ON THIS PROJECT WILL HAVE OUR STANDARD 3" LAP AS SHOWN ABOVE. (TRIM STYLE VARIES)

RELEASED FOR CONSTRUCTION

As Noted on Plans Review

Development Services Department

Lee's Summit, Missouri

03/16/2023

FRAMING PRIMER COLOR OR TYPE

PRIMARY = GRAY PRIMER

SECONDARY = PRE-GALVANIZED

SHEETING AND TRIM COLORS

ROOF PANEL:

GAUGE

PANEL TYPE

COLOR

26 GA.

PBR PANEL

Galvalume

WALL PANEL:

GAUGE

PANEL TYPE

COLOR

26 GA.

PBU

Galvalume

MANSARD/FACADE PANEL:

GAUGE

PANEL TYPE

COLOR

26 GA.

PBU

Galvalume

LINER PANEL:

GAUGE

PANEL TYPE

COLOR

26 GA.

PBR PANEL

Polar White

BUILDING TRIM COLORS SHOWN BELOW:

EAVE TRIM COLOR:

Charcoal Gray

CORNER TRIM COLOR:

Ash Gray

RAKE TRIM COLOR:

Charcoal Gray

BASE TRIM COLOR:

Ash Gray

F.O. TRIM COLOR:

Ash Gray

DOWNSPOUT COLOR:

Ash Gray

LINER TRIM COLOR:

Polar White

PARAPET TRIM COLOR:

Charcoal Gray

THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER, THE METAL BUILDING DESIGNER OR THE METAL BUILDING ENGINEER. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS DOES NOT HAVE FAMILIARITY WITH THE PHYSICAL JOBSITE LOCATION AND THEREFORE CANNOT BE IDENTIFIED AS, SERVE AS OR QUALIFY AS THE PROJECT DESIGNER.

ENGINEER'S STAMP

STATE OF MISSOURI

Vanessa L. Banks

NUMBER

PE-2021032807

PROFESSIONAL ENGINEER

3/2/23

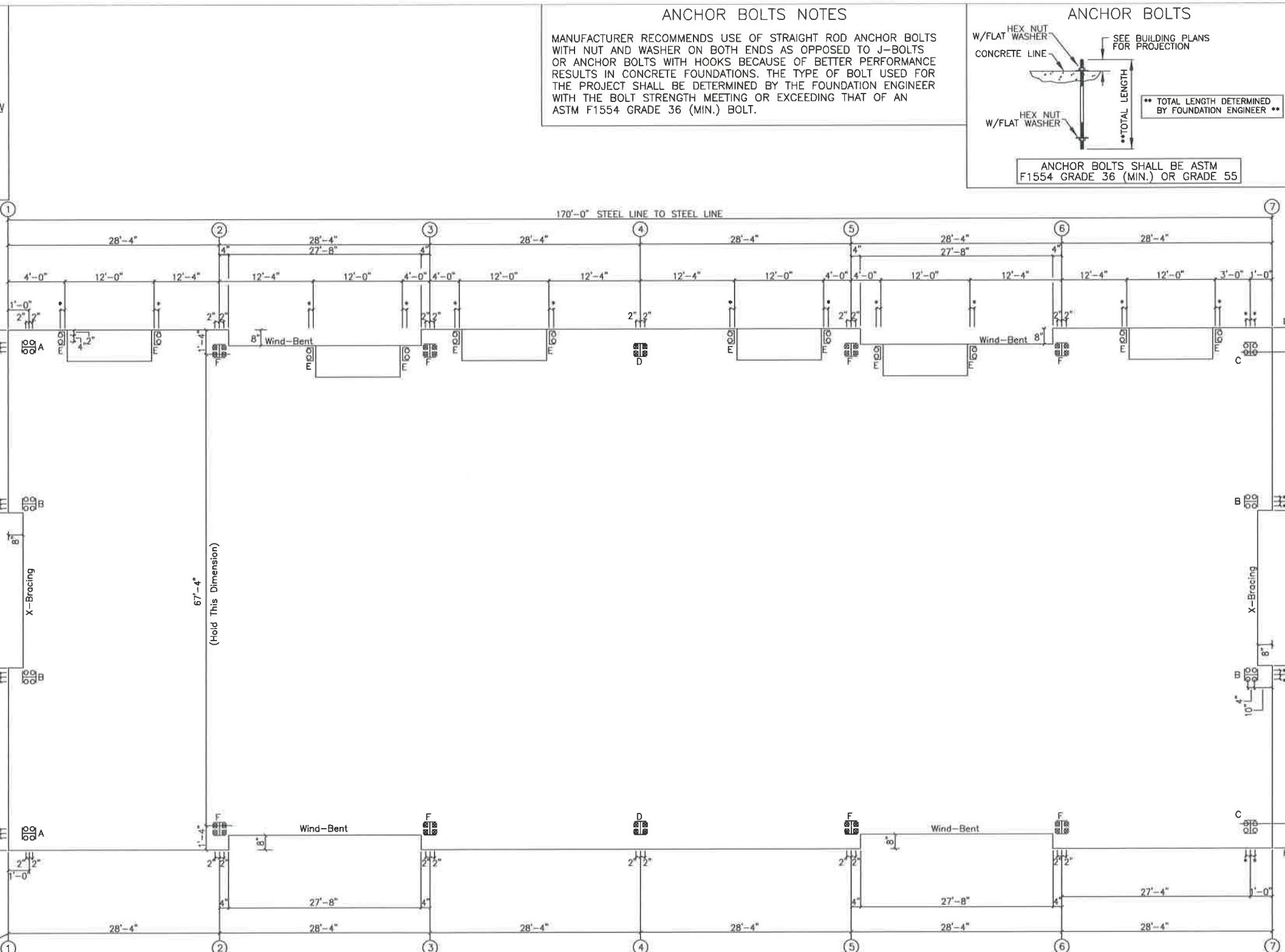
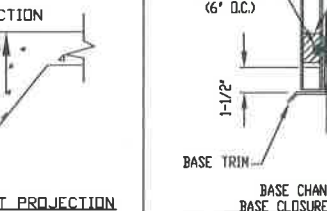
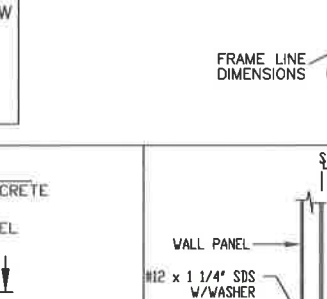
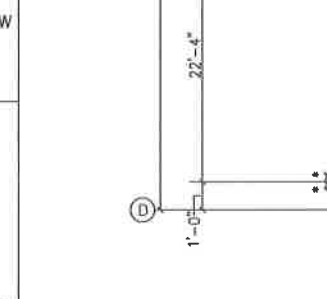
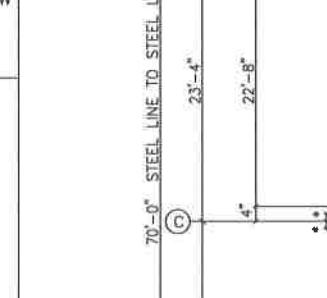
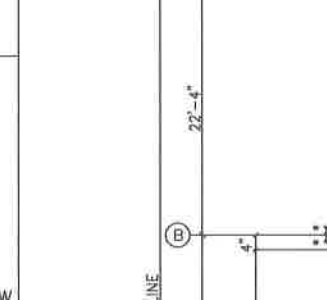
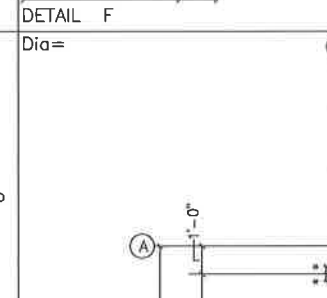
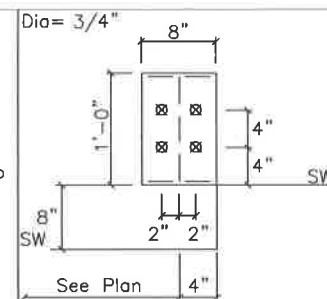
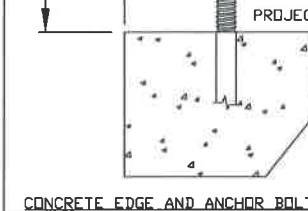
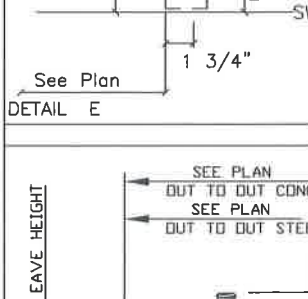
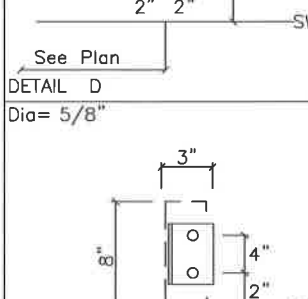
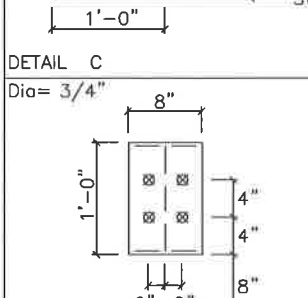
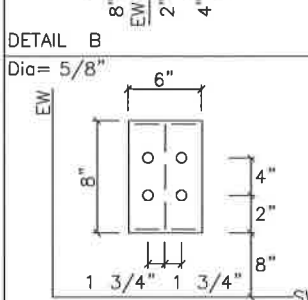
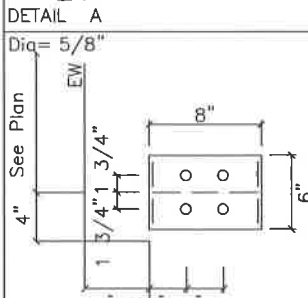
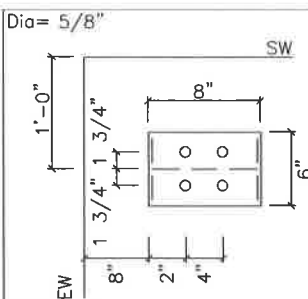
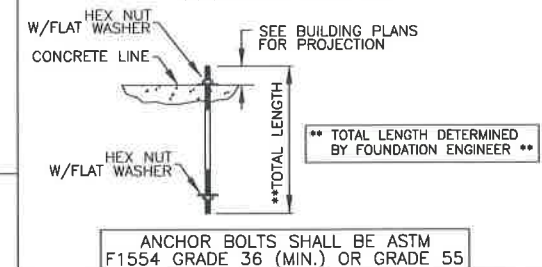
ANCHOR BOLT SUMMARY

Qty	Locate		
24	Jamb	5/8"	F1554 3.00
32	Endwall	5/8"	F1554 3.00
40	Frame	3/4"	F1554 3.00

ANCHOR BOLTS NOTES

MANUFACTURER RECOMMENDS USE OF STRAIGHT ROD ANCHOR BOLTS WITH NUT AND WASHER ON BOTH ENDS AS OPPOSED TO J-BOLTS OR ANCHOR BOLTS WITH HOOKS BECAUSE OF BETTER PERFORMANCE RESULTS IN CONCRETE FOUNDATIONS. THE TYPE OF BOLT USED FOR THE PROJECT SHALL BE DETERMINED BY THE FOUNDATION ENGINEER WITH THE BOLT STRENGTH MEETING OR EXCEEDING THAT OF AN ASTM F1554 GRADE 36 (MIN.) BOLT.

ANCHOR BOLTS



ANCHOR BOLT PLAN

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

* = 1-3/4"

FIELD LOCATED OPENINGS :

QTY	DESCRIPTION
6	3070 PRE-ASSEMBLED WALKDOOR W/SUB-JAMBS LOCATED IN LINER
6	5'-0 1/2"x5'-0 1/2" F.D. W/SILL @ 2'-2" A.F.F.
6	3'-4 1/2"x7'-2 1/2" F.D.

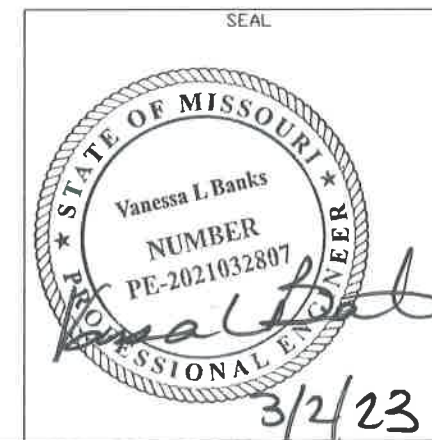
REVISIONS

REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPR

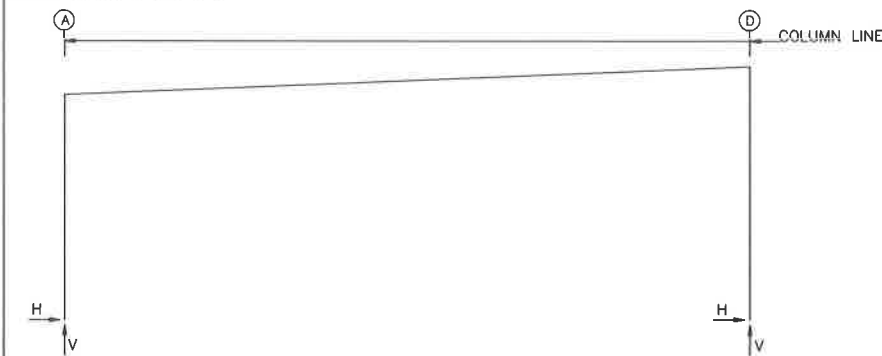
DRAWING STATUS
[X] FOR CONSTRUCTION
[] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[] FOR APPROVAL
[] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC
PROJECT LOT 7 EKCIP
ID 27967
PROJECT ADDRESS LEE'S SUMMIT, MD 64064

MIDWEST STEEL
ANCHOR BOLT PLAN & DETAILS
DESIGN: ZJM DRAFT: KMG CHECK: PMS
DATE: 2/27/23 SHEET 1 OF 15



FRAME LINES: 2 3 4 5 6



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
2*	A	4	0.750	8.000	12.00	0.500	0.0
2*	D	4	0.750	8.000	12.00	0.500	0.0

2* Frame lines: 2 3 4 5 6

GENERAL NOTES

- (1.) APPLICATION OF ENGINEERS SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.
- (2.) FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER.
- (3.) ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.
- (4.) THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION. THE FOUNDATION IS TO BE DESIGNED BY A QUALIFIED ENGINEER TO SUPPORT THE BUILDING REACTIONS IN ADDITION TO OTHER LOADS IMPOSED BY THE BUILDING USE OR OCCUPANCY WITH RESPECT TO JOB SITE CONDITIONS.
- (5.) ALL ANCHOR BOLTS TO BE ASTM F1554 GRADE 36 MIN. OR GRADE 55 (UNLESS NOTED)
- (6.) VALUES GIVEN FOR BENDS AND ANCHOR BOLT TOTAL LENGTHS ARE SUGESTED LENGTHS ONLY. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THESE VALUES SINCE THEY ARE A FUNCTION OF CONCRETE STRENGTH AS WELL AS OTHER FACTORS.
- (7.) WIND REACTIONS ARE BASED ON Vult.

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead		Collateral		Live		Snow		Snow-Drift		Slide-Snow	
2*	A	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	1.2	5.3	1.2	3.2	4.9	13.4	5.7	15.3	0.6	1.8	0.0	1.1
	A	-1.2	3.6	-1.2	3.0	-4.9	11.9	-5.7	13.9	-0.6	4.8	0.0	0.0

Frame Line	Column Line	Wind_Left1		Wind_Right1		Wind_Left2		Wind_Right2		Wind_Long1		Wind_Long2	
2*	A	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	-16.6	-22.8	7.9	-4.3	-16.7	-16.4	8.2	2.1	-2.9	-15.3	-0.8	-9.8
	A	-4.7	-9.6	12.7	-15.6	-4.6	-3.2	12.4	-9.2	3.2	-15.5	0.7	-9.7

Frame Line	Column Line	Seismic_Left		Seismic_Right		MIN_SNOW	
2*	A	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	-0.3	-0.2	0.3	0.2	8.3	19.8
	A	-0.3	0.2	0.3	-0.2	-8.3	19.9

2*	Frame lines:	2	3	4	5	6
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2* Frame lines: 2 3 4 5 6

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
1	A	4	0.625	6.000	8.000	0.500	0.0
1	B	4	0.625	6.000	8.000	0.500	0.0
1	C	4	0.625	6.000	8.000	0.500	0.0
1	D	4	0.625	6.000	8.000	0.500	0.0
7	D	4	0.625	6.000	8.000	0.500	0.0
7	C	4	0.625	6.000	8.000	0.500	0.0
7	B	4	0.625	6.000	8.000	0.500	0.0
7	A	4	0.625	6.000	8.000	0.500	0.0

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k)				Panel Shear (lb/ft) Wind Seis	Note
			Wind		Seismic			
			Horz	Vert	Horz	Vert		
L_EW	1	B,C	6.4	6.5	0.4	0.4		
F_SW	D	2,3	3.6	6.1	0.4	0.7		(b)
		5,6	3.6	6.1	0.4	0.7		(b)
R_EW	7	C,B	6.4	6.4	0.4	0.4		
B_SW	A	5,6	4.1	6.3	0.4	0.7		(b)
		2,3	4.1	6.3	0.4	0.7		(b)

(b)Wind bent in bay, base above finish floor

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Development Services Dept																						
Lee's Summit, Missouri																						
03/15/2023																						
Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Snow Drift Vert	Slide Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horiz	Wind Suct Horiz									
1	A	1.5	0.5	3.2	2.7	2.9	0.5	-2.6	-1.6	-1.7	-0.7	-0.7	-0.7									
1	B	1.4	1.1	6.5	5.2	6.9	0.0	-7.0	-3.9	-4.8	-1.5	-3.1	-3.4									
1	C	1.4	1.1	6.5	5.2	7.2	0.0	-7.5	-3.7	-5.3	-1.5	-3.4	-3.4									
1	D	0.7	0.4	2.5	2.0	4.4	0.0	-2.3	-2.1	-1.5	-1.3	0.4	-0.2									
Frm Line	Col Line	Wind Long1 Vert	Wind Long2 Vert	Seis Left Vert	Seis Right Vert	-MIN_SNOW Horiz	-E1PAT_SL_1 Horiz	E1PAT_SL_2 Horiz	E1PAT_SL_3 Horiz													
1	A	-2.8	-1.6	0.0	0.0	0.0	2.8	0.0	1.1	0.0	0.0	0.0	1.0									
1	B	-7.0	-4.1	0.0	0.0	0.0	7.4	0.0	1.5	0.0	-0.2	0.0	2.8									
1	C	-7.0	-4.1	0.0	0.0	0.0	7.4	0.0	-0.2	0.0	1.5	0.0	1.1									
1	D	-2.6	-1.5	0.0	0.0	0.0	2.9	0.0	0.0	0.0	1.1	0.0	-0.1									
Frm Line	Col Line	E1PAT_SL_4 Horiz	E1PAT_LL_1 Horiz	E1PAT_LL_2 Horiz	E1PAT_LL_3 Horiz	E1PAT_LL_4 Horiz																
1	A	0.0	-0.1	0.0	2.4	0.0	-0.2	0.0	2.8	0.0	-0.3											
1	B	0.0	1.1	0.0	7.0	0.0	2.7	0.0	3.2	0.0	3.3											
1	C	0.0	2.8	0.0	2.7	0.0	7.0	0.0	3.2	0.0	3.3											
1	D	0.0	1.0	0.0	-0.2	0.0	2.4	0.0	2.8	0.0	-0.3											
Frm Line	Col Line	Dead Horiz	Collat Vert	Live Vert	Snow Vert	Snow Drift Vert	Slide Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horiz	Wind Suct Horiz									
7	D	0.0	0.6	0.4	2.5	2.0	4.4	0.0	-2.1	-2.3	-1.3	-1.5	0.5	-0.3								
7	C	0.0	1.3	1.1	6.5	5.2	7.2	0.0	-3.7	-7.5	-1.5	-5.3	-3.3	3.7								
7	B	0.0	1.3	1.1	6.5	5.2	6.9	0.0	-3.9	-7.0	-1.7	-4.8	-3.0	3.4								
7	A	-0.1	1.4	0.5	3.2	2.7	2.9	0.5	-1.6	-2.6	-0.7	-1.7	0.9	-0.6								
Frm Line	Col Line	Wind Long1 Vert	Wind Long2 Vert	Seis Left Vert	Seis Right Vert	-MIN_SNOW Horiz	-E2PAT_SL_1 Horiz	E2PAT_SL_2 Horiz	E2PAT_SL_3 Horiz													
7	D	-2.6	-1.5	0.0	0.0	0.0	2.9	0.0	1.1	0.0	0.0	0.0	1.0									
7	C	-7.0	-4.1	0.0	0.0	0.0	7.4	0.0	1.5	0.0	-0.2	0.0	2.8									
7	B	-7.0	-4.1	0.0	0.0	0.0	7.4	0.0	-0.2	0.0	1.5	0.0	1.1									
7	A	-2.8	-1.6	0.0	0.0	0.0	2.8	0.0	0.0	0.0	1.1	0.0	-0.1									
Frm Line	Col Line	E2PAT_SL_4 Horiz	E2PAT_LL_1 Horiz	E2PAT_LL_2 Horiz	E2PAT_LL_3 Horiz	E2PAT_LL_4 Horiz																
7	D	0.0	-0.1	0.0	2.4	0.0	-0.2	0.0	2.8	0.0	-0.3											
7	C	0.0	1.1	0.0	7.0	0.0	2.7	0.0	3.2	0.0	3.3											
7	B	0.0	2.8	0.0	2.7	0.0	7.0	0.0	3.2	0.0	3.3											
7	A	0.0	1.0	0.0	-0.2	0.0	2.4	0.0	2.8	0.0	-0.3											

DESIGN LOAD DEFINITIONS

RIGID FRAME LOAD CASE DEFINITIONS

- Wind_L1/Wind_R1 = Lateral wind load from the left/right with a negative internal pressure coefficient.
- Wind_L2/Wind_R2 = Lateral wind load from the left/right with a positive internal pressure coefficient.
- Wind_Ln1 = Longitudinal wind load with a negative internal pressure coefficient.
- Wind_Ln2 = Longitudinal wind load with a positive internal pressure coefficient.
- Seismic_L/Seismic_R = Lateral Seismic load from left/right.
- LWIND#_L#E/ LWIND#_R#E = Longitudinal wind loads for edge zones.
- F#UNB_SL_L/ F#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
- F#PAT_LL # = Pattern live load for continuous beam systems.
- "Note: Bracing reactions are not already included in combination with any other load but must be added to basic reactions as desired by the foundation designer."

Endwall Load Case Definitions

- Collat = Collateral Load
- Rafter Wind_L/ Rafter Wind_R = Lateral wind load from the left/right.
- Brace Wind_L/ Brace Wind_R = Lateral wind load from the left/right with the bracing loads added.
- Wind_P/Wind_S = Wind Pressure/Suction due to longitudinal wind.
- Wind_Ln# = Longitudinal wind load on the roof.
- Seismic_L/Seismic_R = Lateral Seismic load from left/right.
- E#UNB_SL_L/ E#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
- E#PAT_LL # = Pattern live load for continuous beam systems.
- LWIND#_L/LWIND#_R = Longitudinal wind loads for edge zones.

REVISIONS

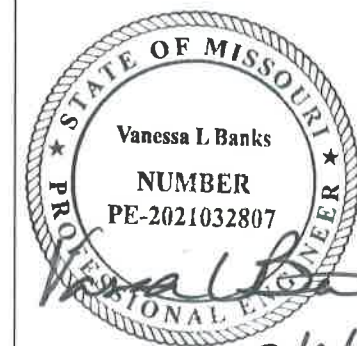
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[] FOR APPROVAL
[] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC	
PROJECT	LOT 7 EKCIP
ID	27967
PROJECT ADDRESS	LEE'S SUMMIT, MD 64064

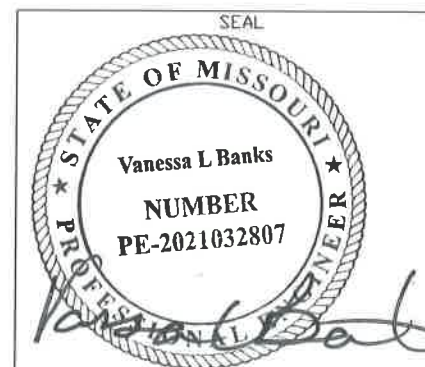
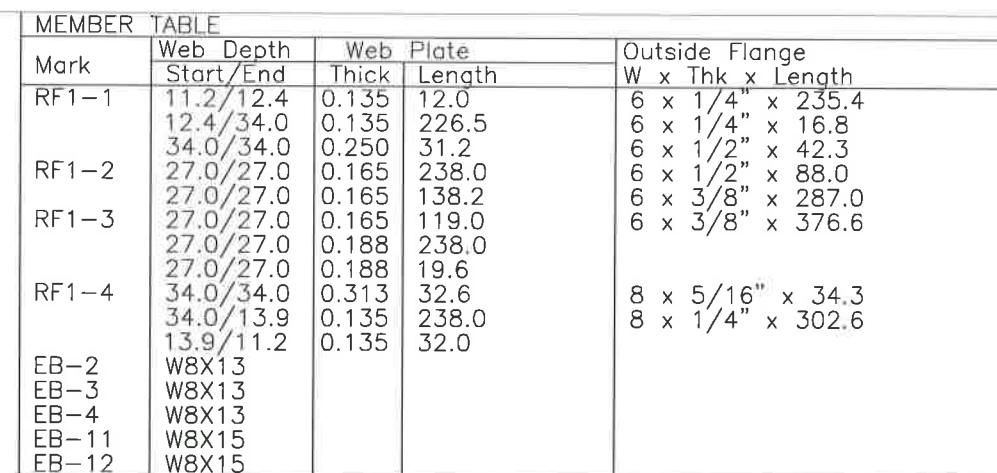
MIDWEST STEEL		
ANCHOR BOLT DETAILS & REACTIONS		
DESIGN: ZJM	DRAFT: KMG	CHECK: PMS
DATE: 2/27/23	SHEET	2

SEAL



3/4/23

FLANGE BRACE TABLE				
FRAME LINE 2 3 4 5 6				
▽ ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB45B	3'-9"	2'-8"
2	1	FB46B	3'-10"	2'-8"
3	1	FB46A	3'-10"	2'-8"
4	1	FB44.5A	3'-8 1/2"	2'-8"



3/2/23

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPR

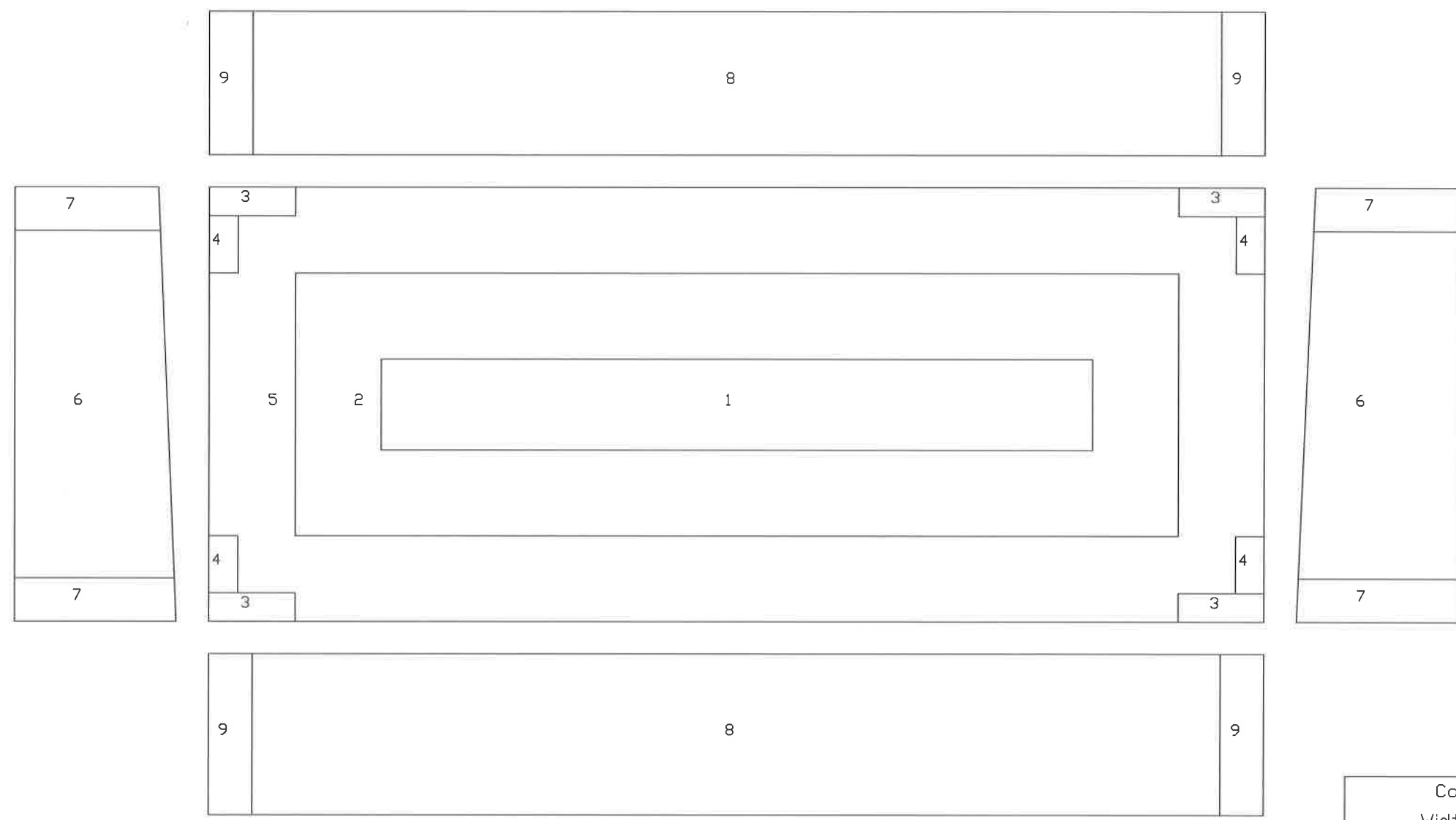
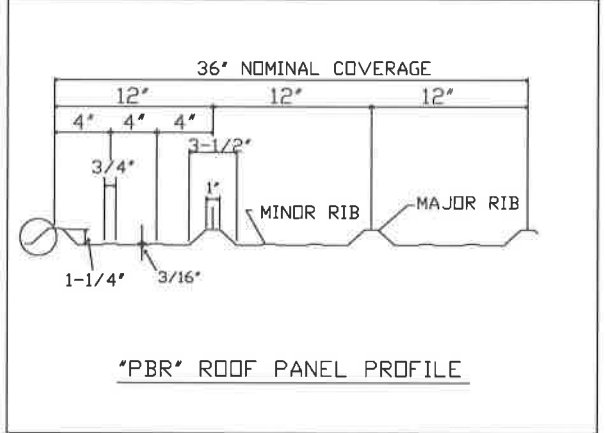
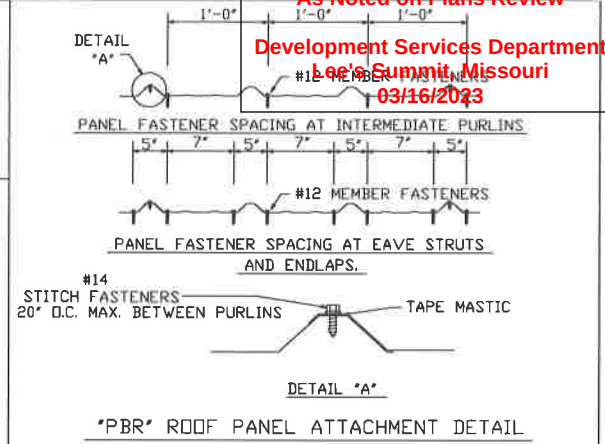
DRAWING STATUS
☐ FOR CONSTRUCTION
☒ FOR PERMIT ONLY
 NOT FINAL CONST.DWGS
☐ FOR APPROVAL
☐ OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC	
PROJECT	LOT 7 EKCIP
ID	27967
PROJECT ADDRESS	LEE'S SUMMIT, MD 64064

MIDWEST STEEL		
MAIN FRAME ELEVATION		
DESIGN: ZJM	DRAFT: KMG	CHECK: ZJM
DATE: 2/27/23	SHEET	3

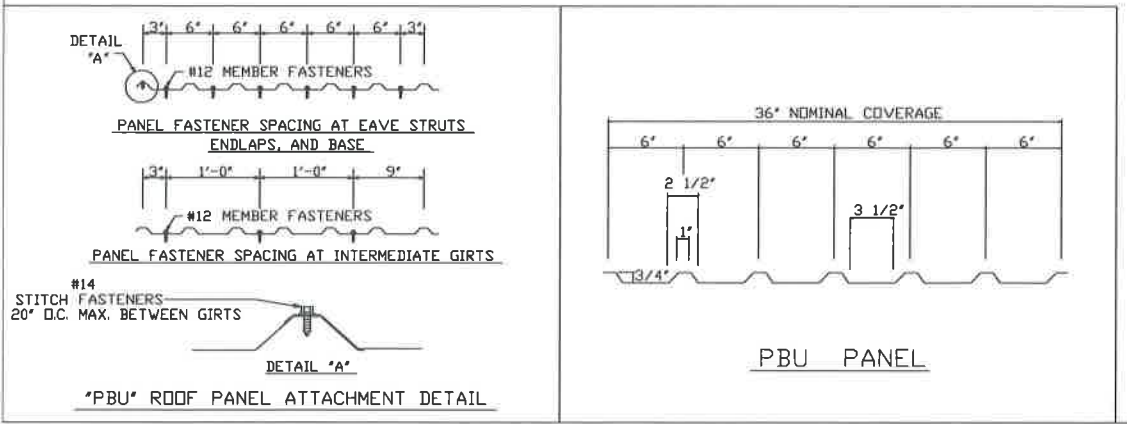
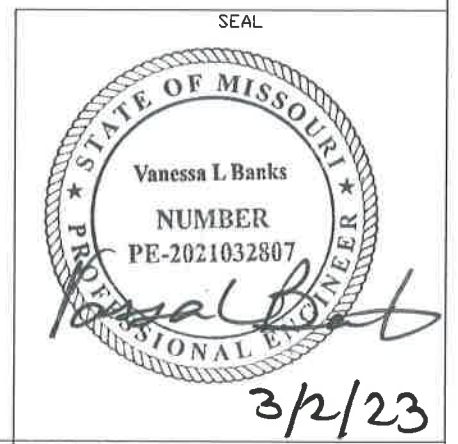
Development Services Department
Lee's Summit, Missouri
03/16/2023

ERECTOR NOTE:
THIS BUILDING HAS SPECIFIC ROOF AND/OR WALL FASTENER REQUIREMENTS. PLEASE REVIEW THIS DETAIL PRIOR TO ERECTING THE ROOF & WALL PANELS. FAILURE TO FOLLOW THESE SPECIFIC REQUIREMENTS COULD RESULT IN LOSS OF ROOF OR WALL PANEL(S).



Components & Cladding 10 sq.ft.				
Zone	Width (ft)	Length (ft)	Press(psf) Panel	Suct(psf) Panel
1			16.00	-17.74
2	13.85	13.85	16.00	-30.87
3	4.62	13.85	16.00	-55.53
4	9.23	4.62	16.00	-55.53
5	13.85	13.85	16.00	-40.80
6			17.74	-19.21
7	7.00		17.74	-23.63
8			17.70	-19.20
9	7.00		17.70	-23.62

NOTE :
PRESSURES SHOWN ARE BASED ON Vuit AND APPLICABLE INTERNAL COEFFICIENTS FOR THE ENCLOSURE CLASSIFICATION AND EXPOSURE CATEGORY. SEE COVER PAGE FOR APPLICABLE VALUES. FOR ALLOWABLE STRENGTH DESIGN PRESSURES, Vasd, MULTIPLY THE SHOWN VALUES BY 0.6.



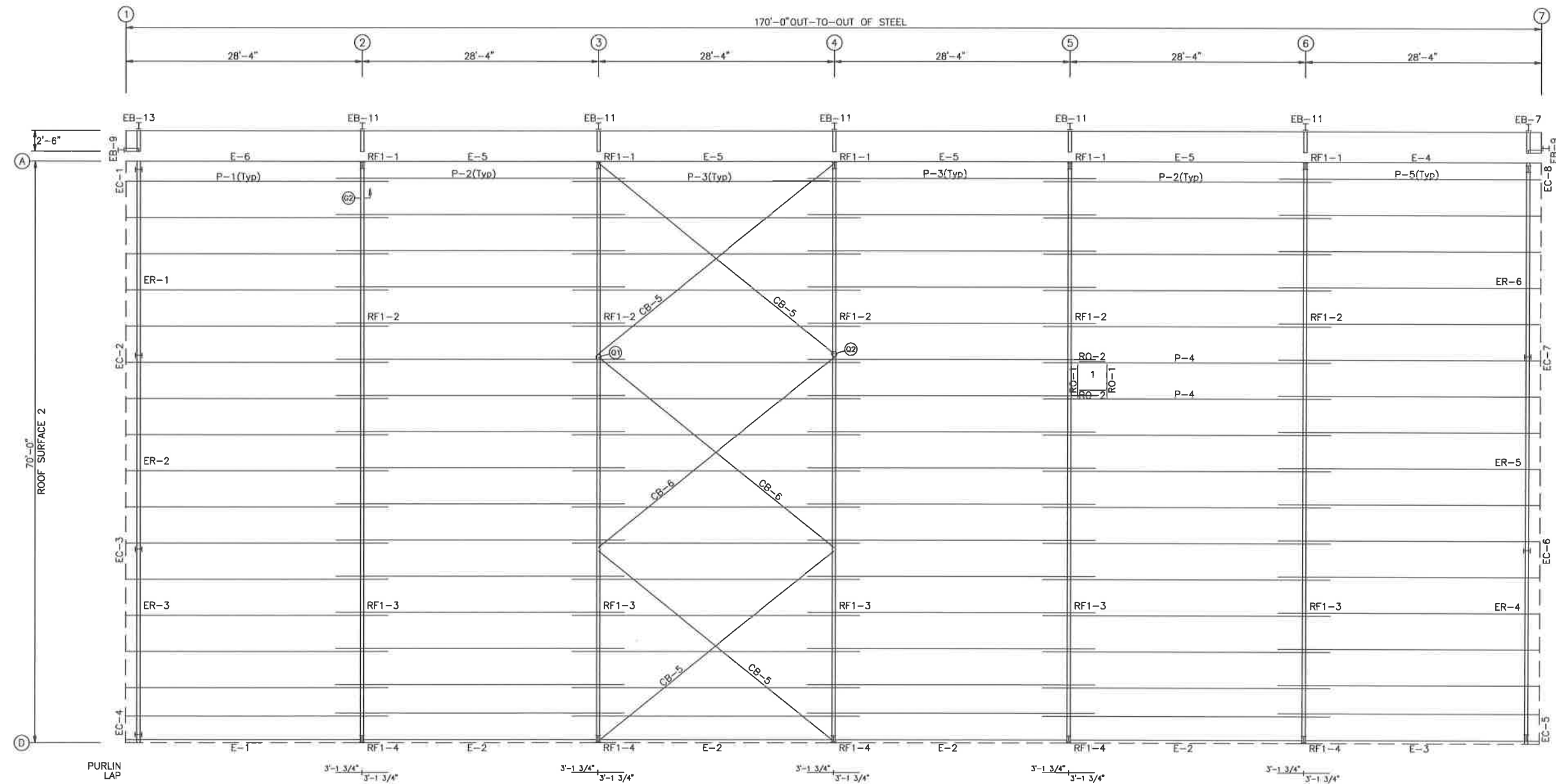
ROOF & WALL FASTENER DETAIL PLAN
ENCLOSED / PARTIALLY ENCLOSED

REVISIONS							DRAWING STATUS		VULCAN STEEL STRUCTURES, INC		MIDWEST STEEL	
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD	[] FOR CONSTRUCTION	PROJECT	LOT 7 EKCP	FASTENER DETAILS	DESIGN: ZJM	DRAFT: KMG
							[X] FOR PERMIT ONLY	ID	27967		CHECK: ZJM	
							NOT FINAL CONST.DWGS	PROJECT	LEE'S SUMMIT, MD 64064		DATE: 2/27/23	SHEET 4
							[] FOR APPROVAL	ADDRESS				
							[] OTHER, EXPLAIN					

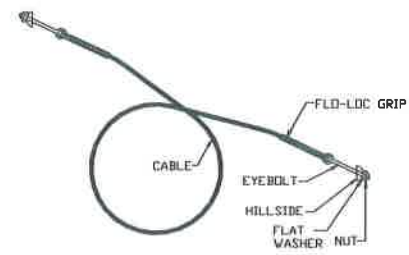
OPENING TABLE ROOF PLAN		
ID	QTY	USE
1	1	OPEN

EXTENSION/CANOPY BOLTS ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-7	4	A325T	3/4"	2 1/2"
EB-9	4	A325T	5/8"	2 1/4"
EB-11	4	A325T	1"	3 1/2"
EB-13	4	A325T	3/4"	2 1/2"

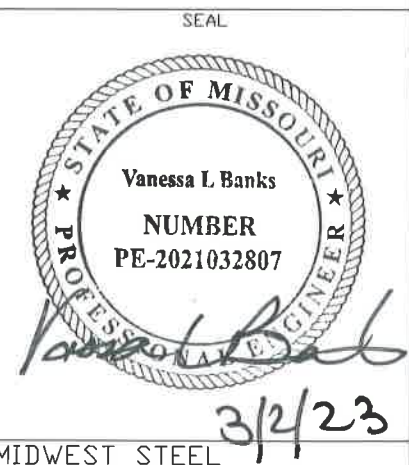
MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
EB-7	W8X10	2'-6 1/8"
EB-9	W8X10	4 1/8"
EB-11	W8X15	2'-5 1/8"
EB-13	W8X10	2'-10 1/8"
RO-1	8X35c16	3'-8 5/16"
RO-2	8X35c16	3'-5 1/2"
P-1	8X25Z13	31'-5 1/2"
P-2	8X25Z14	34'-7 1/2"
P-3	8X25Z16	34'-7 1/2"
P-4	8X25Z14	34'-7 1/2"
P-5	8X25Z13	31'-5 1/2"
E-1	8E275D16	28'-3 1/2"
E-2	8E275D16	28'-3 1/2"
E-3	8E275D16	28'-3 1/2"
E-4	8E275D16	28'-3 1/2"
E-5	8E275D16	28'-3 1/2"
E-6	8E275D16	28'-3 1/2"
CB-5	0.375CBL	36'-3"
CB-6	0.250CBL	36'-9"

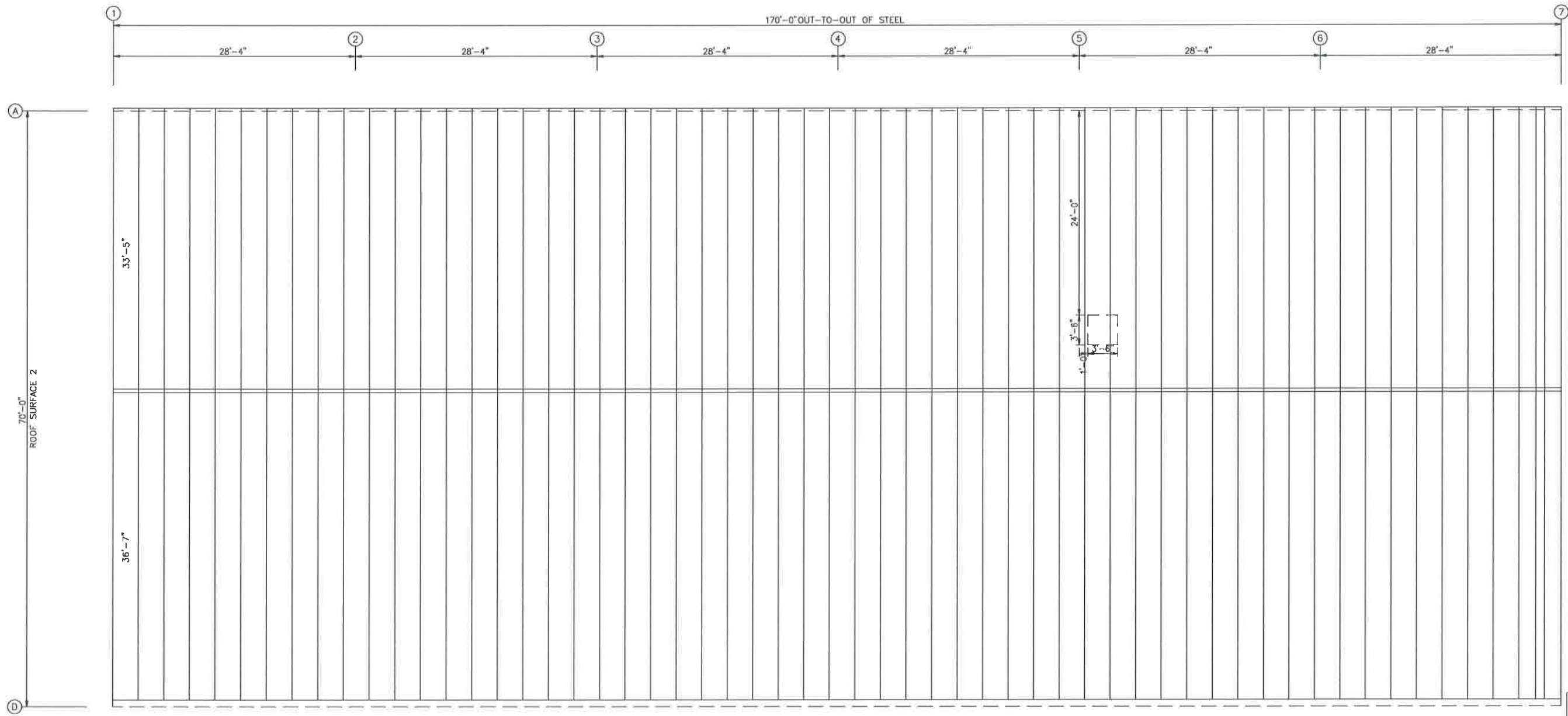


ROOF FRAMING PLAN

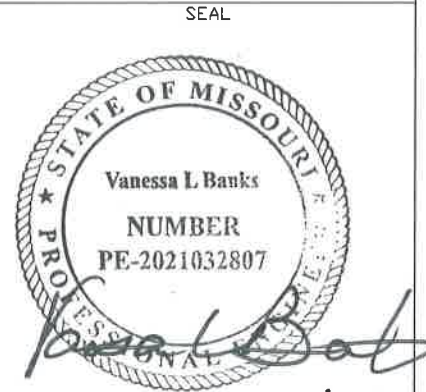


REVISIONS							DRAWING STATUS		VULCAN STEEL STRUCTURES, INC		MIDWEST STEEL	
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD	[] FOR CONSTRUCTION	PROJECT	LOT 7 EKCIP	ROOF FRAMING	DESIGN: ZJM	DRAFT: KMG
							[X] FOR PERMIT ONLY	ID	27967		CHECK: ZJM	
							NOT FINAL CONST.DWGS	PROJECT	LEE'S SUMMIT, MD 64064	DATE: 2/27/23	SHEET	5
							[] FOR APPROVAL	ADDRESS				
							[] OTHER, EXPLAIN					





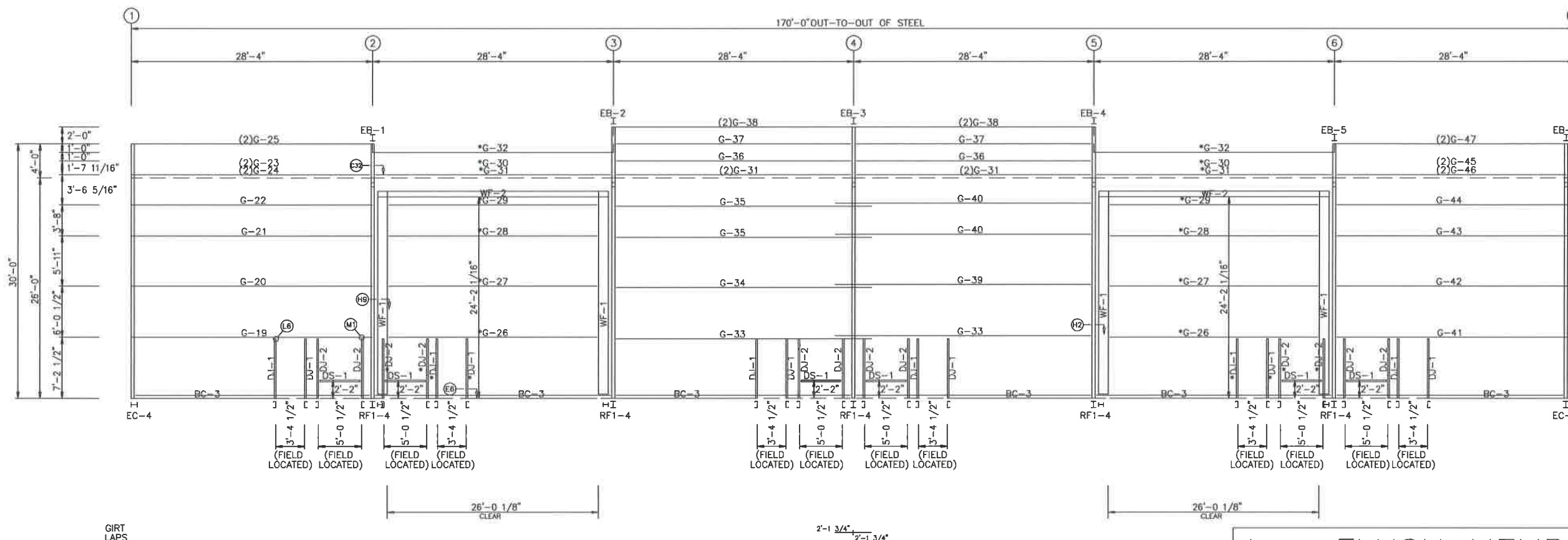
ROOF SHEETING PLAN
PANELS: 26 Ga. PBR - Galvalume



REVISIONS							DRAWING STATUS		VULCAN STEEL STRUCTURES, INC		MIDWEST STEEL		
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD	☐ FOR CONSTRUCTION	PROJECT	LOT 7 EKCIP	ROOF SHEETING			
							☒ FOR PERMIT ONLY	ID	27967	DESIGN: ZJM	DRAFT: KMG	CHECK: ZJM	
							NOT FINAL CONST.DWGS	PROJECT	LEE'S SUMMIT, MO 64064	DATE: 2/27/23		SHEET 6	
							☐ FOR APPROVAL	ADDRESS					
							☐ OTHER, EXPLAIN						

BOLT TABLE			
FRAME LINE D			
LOCATION			
EB-1	8	A325T 5/8"	2 1/4"
EB-2	8	A325T 5/8"	2 1/4"
EB-3	8	A325T 5/8"	2 1/4"
EB-4	8	A325T 5/8"	2 1/4"
EB-5	8	A325T 5/8"	2 1/4"
EB-6	4	A325T 5/8"	2 1/4"
WF-1 - WF-2	8	A325T 3/4"	2 1/2"
WF-1 - RF1-4	12	A325T 5/8"	2 1/4"

MEMBER TABLE		
FRAME LINE D		
MARK	PART	LENGTH
WF-1	W14X30	24'-4"
WF-2	W8X24	25'-11 5/8"
EB-1	W8X10	6'-0 5/16"
EB-2	W8X13	8'-0 5/16"
EB-3	W8X13	8'-0 5/16"
EB-4	W8X13	8'-0 5/16"
EB-5	W8X10	6'-0 5/16"
EB-6	W8X10	6'-0 5/16"
DJ-1	8X35c16	7'-2 1/2"
DJ-2	8X35c16	7'-2 1/2"
DS-1	8X35c16	5'-0 1/2"
G-19	8X40C12	28'-3 1/2"
G-20	8X35Z12	28'-3 1/2"
G-21	8X35Z13	28'-3 1/2"
G-22	8X35Z14	28'-3 1/2"
G-23	8X25Z16	27'-4"
G-24	8X35Z13	27'-4"
G-25	8X40C14	28'-3 3/4"
G-26	8X40C12	25'-11 5/8"
G-27	8X35Z12	25'-11 5/8"
G-28	8X35Z13	25'-11 5/8"
G-29	8X35Z16	25'-11 5/8"
G-30	8X35Z16	27'-8 1/2"
G-31	8X25Z16	27'-8 1/2"
G-32	8X35C16	27'-8 1/2"
G-33	8X35C16	30'-3 1/2"
G-34	8X35Z16	30'-3 1/2"
G-35	8X25Z16	30'-3 1/2"
G-36	8X35Z13	27'-8 1/2"
G-37	8X35Z12	27'-8 1/2"
G-38	8X25C16	28'-0 1/4"
G-39	8X35Z16	30'-3 1/2"
G-40	8X25Z16	30'-3 1/2"
G-41	8X40C12	27'-11 1/2"
G-42	8X35Z12	27'-11 1/2"
G-43	8X35Z13	27'-11 1/2"
G-44	8X35Z14	27'-11 1/2"
G-45	8X35Z13	26'-8 1/2"
G-46	8X25Z16	26'-8 1/2"
G-47	8X40C14	28'-3 3/4"
BC-3	8X25C16	28'-4"



SIDEWALL FRAMING: FRAME LINE D

* = FLUSH MEMBER

GENERAL NOTES:

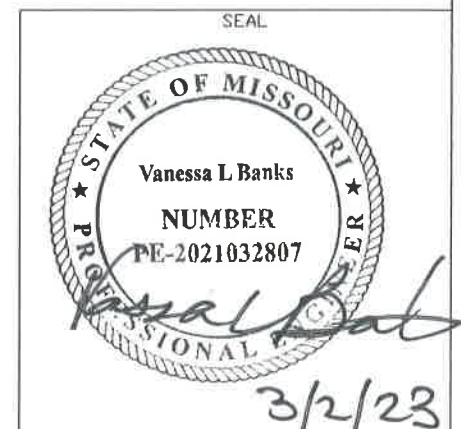
(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

REVISIONS						
REV.	DESCRIPTION:	DATE	DLR	DATE	CHKR	APPD

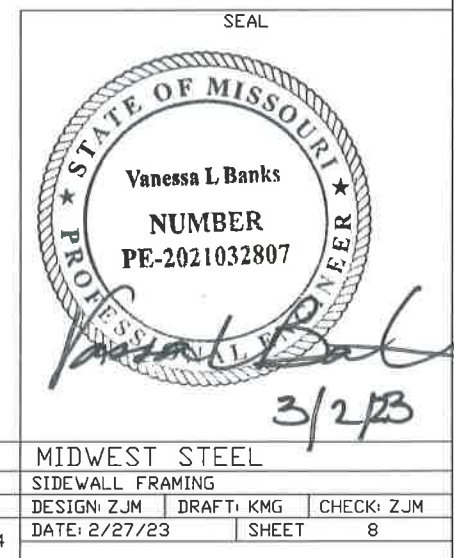
DRAWING STATUS	
[] FOR CONSTRUCTION	
[X] FOR PERMIT ONLY	
[] NOT FINAL CONST.DWG*	
[] FOR APPROVAL	
[] OTHER, EXPLAIN	

VULCAN STEEL STRUCTURES, INC	
PROJECT	LOT 7 EKCIP
ID	27967
PROJECT ADDRESS	LEE'S SUMMIT, MD 64064

MIDWEST STEEL	
DESIGN: ZJM	DRAFT: KMG
DATE: 2/27/23	CHECK: ZJM
SHEET	7



TRIM TABLE FRAME LINE		As Noted on Plans Review	
ID	PART	Development Services Department	PERM 117
1	DTR	20'-3"	TM29
2	DTR	10'-3"	TM29
3	CTR	1'-3"	TM29
4	CTR	3'-3"	TM29
5	RFCT	20'-3"	
6	RFCT	8'-6"	
7	RFCT	16'-9"	
8	HT	3'-11"	TM33
9	HT	5'-7"	TM33
10	HT	5'-7"	



(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.

(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE. THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

REVISIONS							DRAWING STATUS		VULCAN STEEL STRUCTURES, INC		MIDWEST STEEL		
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD	☐ FOR CONSTRUCTION	☐ FOR PERMIT ONLY	PROJECT	LOT 7 EKCIP	SIDEWALL FRAMING		
							☒ NOT FINAL CONST.DWGS*	☐ FOR APPROVAL	ID	27967	DESIGN: ZJM	DRAFT: KMG	CHECK: ZJM
							☐ OTHER, EXPLAIN	☐	PROJECT ADDRESS	LEE'S SUMMIT, MD 64064	DATE: 2/27/23 SHEET 8		

MEMBER TABLE		
FRAME LINE A		
MARK	PART	LENGTH
WF-3	W12X26	21'-5"
WF-4	W8X24	26'-2 7/8"
EB-8	W8X10	9'-0"
EB-10	W8X10	9'-0"
EB-12	W8X15	9'-0"
EB-14	W8X10	9'-0"
EB-15	W8X10	9'-0"
DJ-3	8X35C16	16'-11"
DJ-4	8X35C16	6'-11 1/2"
DH-1	8X35C16	12'-0"
E-4	8E275D16	28'-3 1/2"
E-5	8E275D16	28'-3 1/2"
E-6	8E275D16	28'-3 1/2"
G-48	8X25Z16	3'-8"
G-49	8X25Z16	3'-8"
G-50	W8X10	28'-3 1/2"
G-51	8X25Z16	29'-5 1/2"
G-52	8X25Z16	12'-0"
G-53	8X25Z16	10'-11 11/16"
G-54	W8X10	26'-2 7/8"
G-55	8X25Z16	30'-7 1/2"
G-56	8X25Z16	2'-7 11/16"
G-57	W8X10	28'-3 1/2"
G-58	8X25Z16	13'-2"
G-59	8X35Z13	13'-2"
G-60	W8X13	26'-2 7/8"
G-61	8X25Z16	11'-8 1/2"
G-62	W8X10	28'-0"
G-63	8X25Z16	29'-5 1/2"
G-64	8X25Z16	3'-8"
G-65	8X25Z16	3'-8"
G-66	8X25C16	1'-9 3/4"
G-67	8X25C16	28'-0"
G-68	8X25C16	27'-8 1/2"
G-69	8X25C16	28'-0"
G-70	8X25Z16	2'-2"
G-71	8X25Z13	26'-8 1/2"
G-72	8X25Z12	27'-8 1/2"
G-73	8X25Z13	2'-2"
BC-4	8X25C16	4'-0"
BC-5	8X25C16	12'-4"



SEAL



Vanessa L. Banks
NUMBER
PE-2021032807

3/2/23

3/2/23

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.

(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

DRAWING STATUS
☐ FOR CONSTRUCTION
☒ FOR PERMIT ONLY
 NOT FINAL CONST.DWGS
☐ FOR APPROVAL
☐ OTHER, EXPLAIN

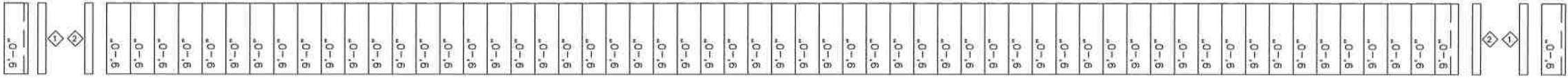
MIDWEST STEEL		
SIDEWALL FRAMING		
DESIGN: ZJM	DRAFT: KMG	CHECK: ZJM
DATE: 2/27/23	SHEET	9

TRIM TABLE		FRAME LINE A
ID	PART	
1	IC	SCRAP
2	CTR	9'-3"
3	RVCB	6"
4	RVGE	6"
5	IC	20'-7"
6	DTR	20'-3"
7	DTR	4'-3"
8	DTR	4'-11"
9	DTR	8'-3"
10	RVEG	20'-3"
11	RVEG	10'-3"
12	SET	10'-9"
13	HT	12'-6"
14	HT	3'-7"

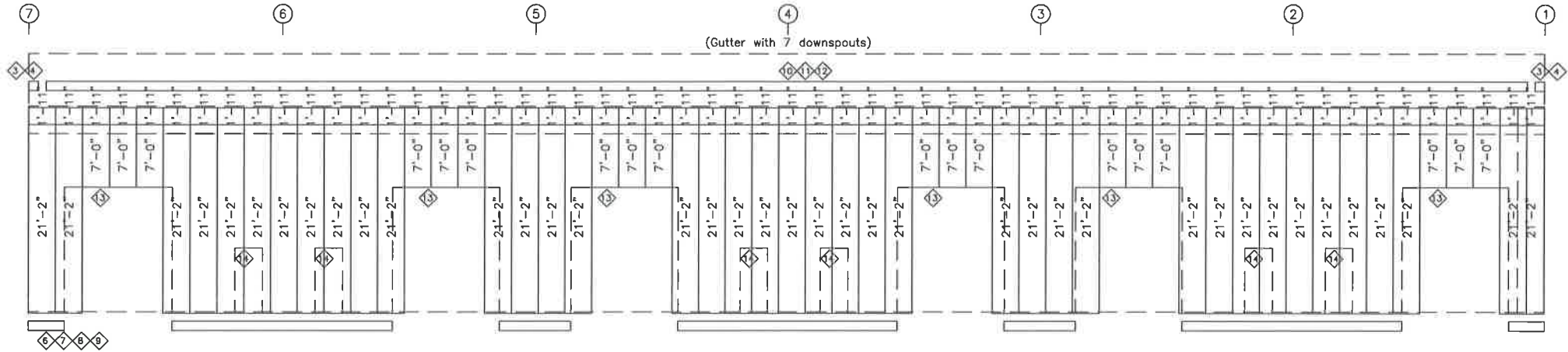
TRIM_117
TRIM_117
TRIM_117
TRIM_117
TM50
TM50
TM33
TM33



FACIA BACK SHEETING & TRIM: LINE A
PANELS: 26 Ga. PBR - Galvalume



FACIA FRONT SHEETING & TRIM: LINE A
PANELS: 26 Ga. PBU - Galvalume



SIDEWALL SHEETING & TRIM: FRAME LINE A
PANELS: 26 Ga. PBU - Galvalume

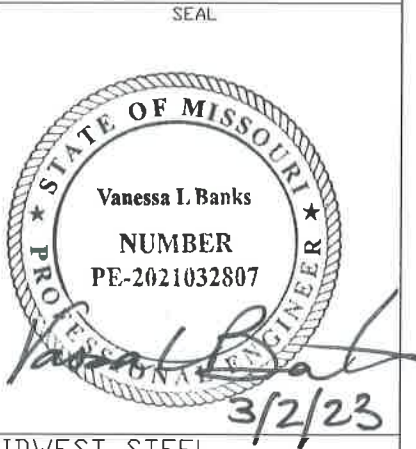
GENERAL NOTES:
(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS	
[] FOR CONSTRUCTION	
[X] FOR PERMIT ONLY	
NOT FINAL CONST.DWGS	
[] FOR APPROVAL	
[] OTHER, EXPLAIN	

VULCAN STEEL STRUCTURES, INC	
PROJECT	LOT 7 EKCIP
ID	27967
PROJECT ADDRESS	LEE'S SUMMIT, MD 64064

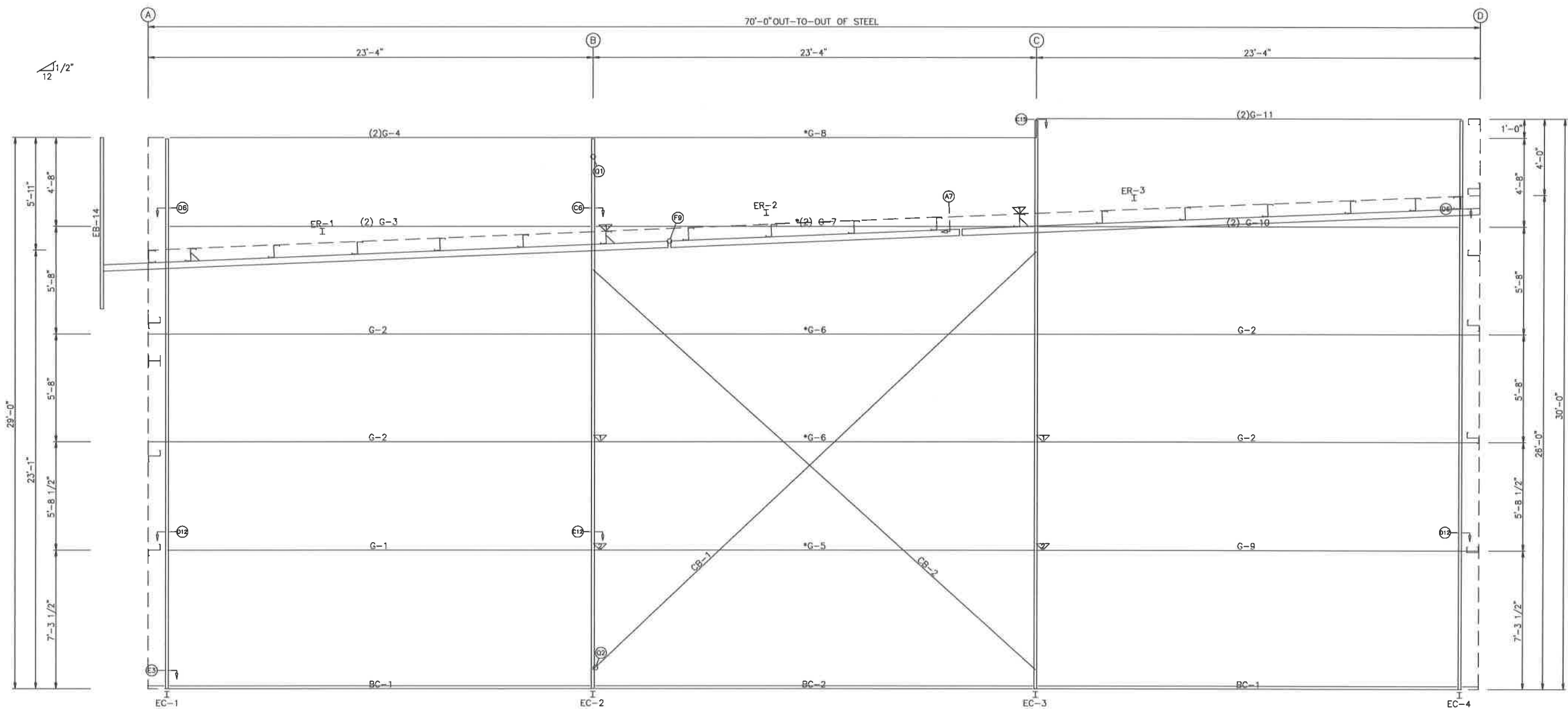
MIDWEST STEEL	
DESIGN: ZJM	DRAFT: KMG
DATE: 2/27/23	CHECK: ZJM
SHEET	10



BOLT TABLE	FRAME LINE 1
LOCATION	Development Services Department
ER-1/ER-2	Lee's Summit, Missouri
ER-2/ER-3	8 A325 1 1/2" 2 1/4"
Columns/Raf	2 A325 1 1/2" 1 1/2"

FLANGE BRACE TABLE				
FRAME LINE 1				
▽ID	#	MARK	LENGTH	OFFSET
1		FB38.5	3'-2 1/2"	2'-8"
2		FB38A	3'-2"	2'-8"

MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EB-14	W8X10	9'-0"
EC-1	W8X10	29'-0"
EC-2	W8X10	29'-0"
EC-3	W8X10	30'-0"
EC-4	W8X10	30'-0"
ER-1	W8X15	27'-4 9/16"
ER-2	W8X15	15'-4 1/4"
ER-3	W8X15	27'-3 15/16"
G-1	8X35Z16	22'-7 1/2"
G-2	8X25Z14	23'-3 1/2"
G-3	8X35Z16	21'-8 1/2"
G-4	8X35C16	23'-3 1/2"
G-5	8X35Z14	23'-3 1/2"
G-6	8X25Z14	23'-3 1/2"
G-7	8X35Z16	22'-8 1/2"
G-8	8X35C16	23'-0"
G-9	8X35Z16	23'-3 1/2"
G-10	8X35Z14	21'-8 1/2"
G-11	8X40C16	23'-3 1/2"
BC-1	8X25C16	22'-8"
BC-2	8X25C16	23'-4"
CB-1	0.312CBL	32'-6"
CB-2	0.312CBL	31'-10"



ENDWALL FRAMING: FRAME LINE 1

* = FLUSH MEMBER

NOTE :
FIELD SLOT GIRTS AS REQUIRED FOR CABLES. SLOT SIZE
NOT TO EXCEED 2"x4". FLANGES MUST NOT BE CUT.

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

REVISIONS

REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS

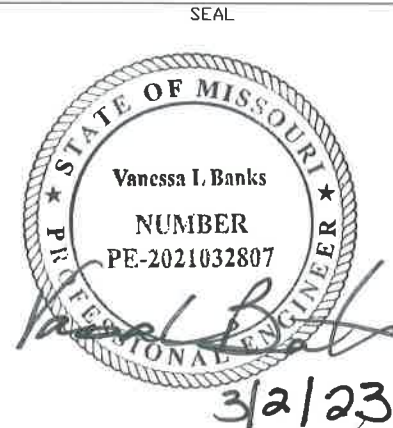
[] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[] FOR APPROVAL
[] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC

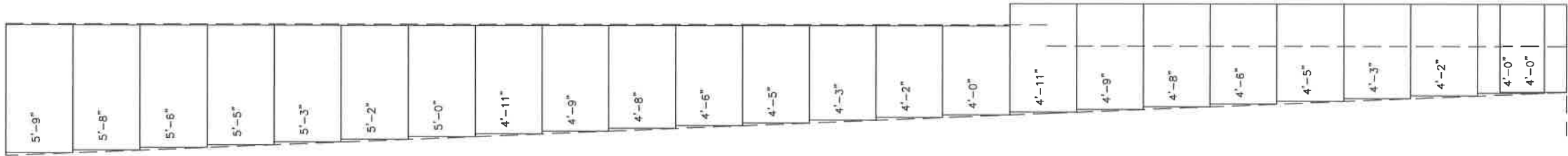
PROJECT	LOT 7 EKCIP
ID	27967
PROJECT ADDRESS	LEE'S SUMMIT, MO 64064

MIDWEST STEEL

DESIGN: ZJM	DRAFT: KMG	CHECK: ZJM
DATE: 2/27/23	SHEET	11

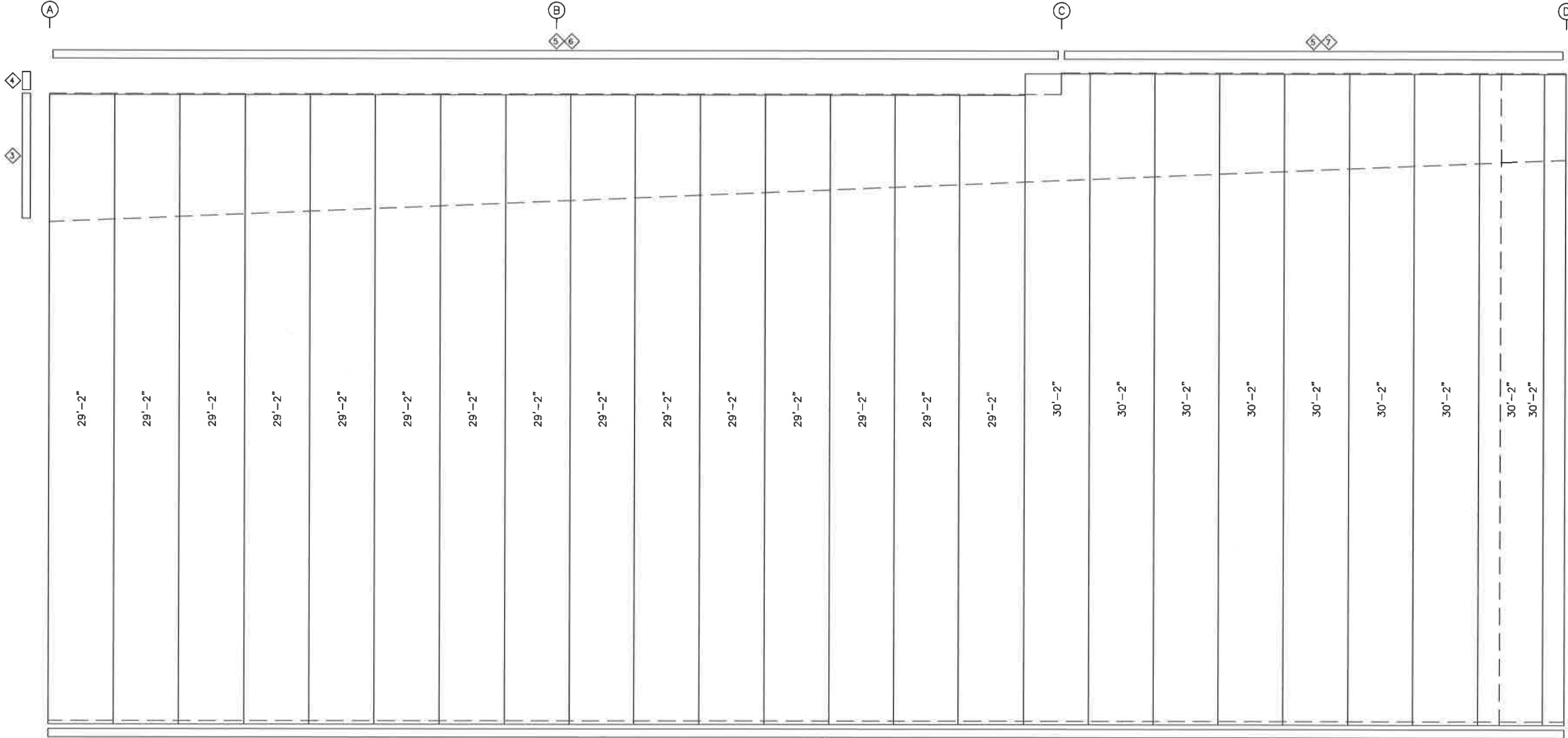


TRIM	TABLE	FRAME	LINE
ID	PART		
1	DTR	20'-3"	
2	DTR	10'-3"	
3	CTR	6'-2"	
4	CTR	1'-3"	
5	RFCT	20'-3"	TM29
6	RFCT	6'-9"	TM29
7	RFCT	3'-6"	



PARAPET BACK SHEETING & TRIM: LINE 1
PANELS: 26 Ga. PBR - Galvalume

1 1/2"
12

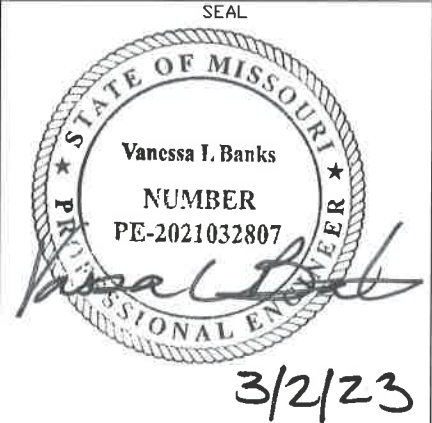


ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS: 26 Ga. PBU - Galvalume

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

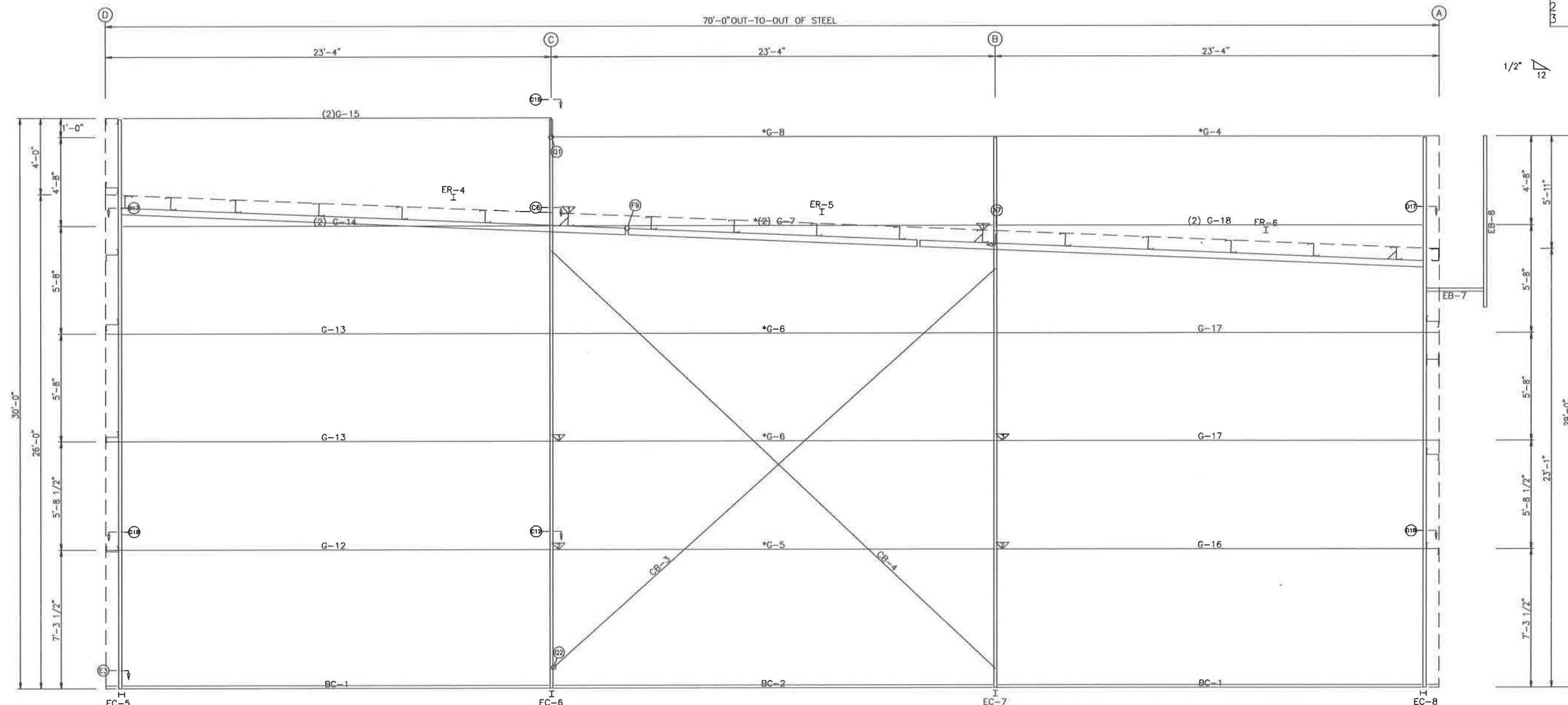
REVISIONS							DRAWING STATUS		VULCAN STEEL STRUCTURES, INC		MIDWEST STEEL		
REV.	DESCRIPTION:	DATE	DLTR	DATE	CHKR	APPD	☐ FOR CONSTRUCTION	PROJECT	LOT 7 EKCIP	ENDWALL FRAMING			
							☒ FOR PERMIT ONLY	ID	27967	DESIGN: ZJM	DRAFT: KMG	CHECK: ZJM	
							NOT FINAL CONST.DWGS	PROJECT	LEE'S SUMMIT, MO 64064	DATE: 2/27/23	SHEET 12		
							☐ FOR APPROVAL	ADDRESS					
							☐ OTHER, EXPLAIN						



BOLT TABLE		LOCATION	CLAMP TYPE	CLAMP LENGTH
FRAME LINE 7		EC-5/ER-4	4 A	1 1/4"
		EC-8/ER-6	8 A	2 1/4"
		ER-4/ER-5	8 A	2 1/4"
		ER-5/ER-6	8 A325T	5/8" 2 1/4"
		Int. Column/Ref	2 A325T	1 1/2"

FLANGE BRACE TABLE				
FRAME LINE 7				
∇ ID	#	SIDES	MARK	LENGTH
1			FB39A	3'-3"
2			FB38A	3'-2"
3			FB38.5	3'-2 1/2"

MEMBER TABLE		
FRAME LINE 7		
MARK	PART	LENGTH
EB-7	W8X10	2'-6 1/8"
EB-8	W8X10	9'-0"
EC-5	W8X10	25'-3 11/16"
EC-6	W8X10	30'-0"
EC-7	W8X10	29'-0"
EC-8	W8X10	28'-8 1/4"
ER-4	W10X12	26'-0"
ER-5	W10X12	15'-4 1/4"
ER-6	W10X12	26'-1 3/16"
G-4	8X35C16	23'-3 1/2"
G-5	8X35Z14	23'-3 1/2"
G-6	8X25Z14	23'-3 1/2"
G-7	8X35Z16	22'-8 1/2"
G-8	8X35C16	23'-0"
G-12	8X35Z16	23'-3 1/2"
G-13	8X25Z14	23'-3 1/2"
G-14	8X35Z14	23'-0"
G-15	8X40C16	23'-3 1/2"
G-16	8X35Z16	22'-7 1/2"
G-17	8X25Z14	23'-3 1/2"
G-18	8X35Z16	23'-0"
BC-1	8X25C16	22'-8"
BC-2	8X25C16	23'-4"
CB-3	0.312CBL	31'-9"
CB-4	0.312CBL	32'-5"



ENDWALL FRAMING: FRAME LINE 7

* = FLUSH MEMBER

NOTE :
FIELD SLOT GIRTS AS REQUIRED FOR CABLES. SLOT SIZE
NOT TO EXCEED 2"x4". FLANGES MUST NOT BE CUT.

GENERAL NOTES:

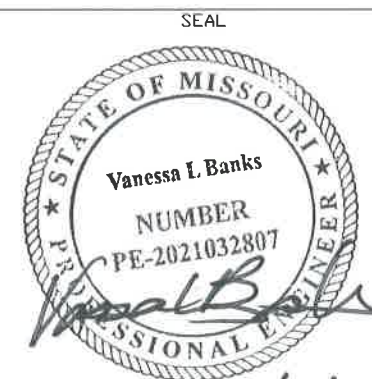
- (1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
- (2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

REVISIONS						
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD

DRAWING STATUS	
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[] NOT FINAL CONST.DWG	
[] FOR APPROVAL	
[] OTHER, EXPLAIN	

VULCAN STEEL STRUCTURES, INC	
PROJECT	LOT 7 EKCIP
ID	27967
PROJECT ADDRESS	LEE'S SUMMIT, MD 64064

MIDWEST STEEL	
DESIGN: ZJM	DRAFT: KMG
DATE: 2/27/23	CHECK: ZJM
SHEET	13



3/2/23

4'-0"
4'-1"
4'-3"
4'-4"
4'-6"
4'-7"
4'-9"
4'-10"
4'-0"
4'-1"
4'-3"
4'-4"
4'-6"
4'-7"
4'-9"
4'-10"
5'-0"
5'-1"
5'-3"
5'-4"
5'-6"
5'-7"
5'-9"
5'-9"

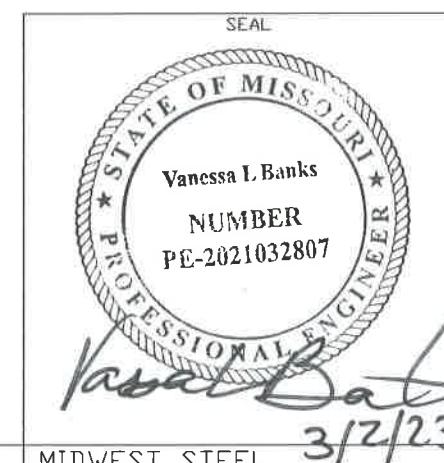
[illegible]

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.

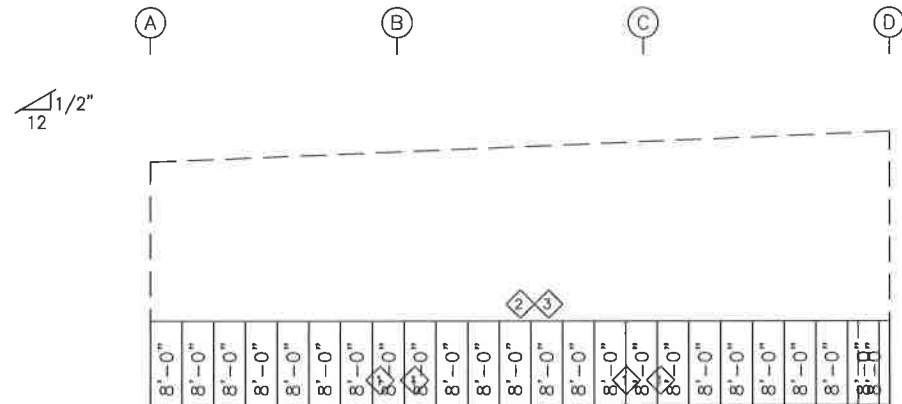
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

DRAWING STATUS
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☒ FOR PERMIT ONLY
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☐ FOR APPROVAL
☐ OTHER, EXPLAIN

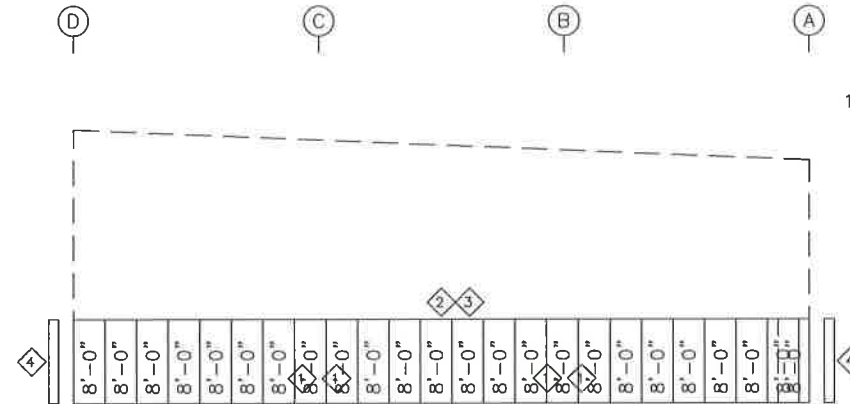
MIDWEST STEEL		
ENDWALL FRAMING		
DESIGN: ZJM	DRAFT: KMG	CHECK: ZJM
DATE: 2/27/23	SHEET	14



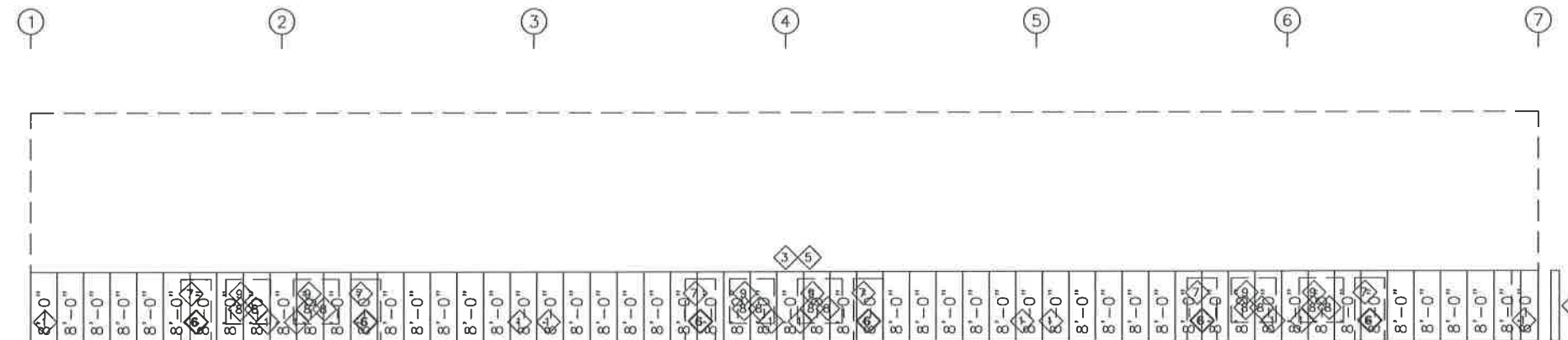
TRIM TABLE				7 A	
FRAME LINE	1 D	7 A	1 D	7 A	1 D
ID	QUAN	MARK	LENGTH	MARK	LENGTH
1	32	JTR	8'-3"		
2	6	HT	20'-3"		
3	3	HT	10'-6"		
4	2	ICR	8'-3"		
5	8	HT	20'-3"		
6	12	JTR	7'-6"		
7	6	HT	3'-11"		
8	12	JTR	5'-4"		
9	6	HT	5'-7"		
10	4	HT	20'-3"		
11	1	HT	18'-6"		
12	12	JTR	8'-3"		
13	12	JTR	7'-5"		
14	6	HT	3'-7"		



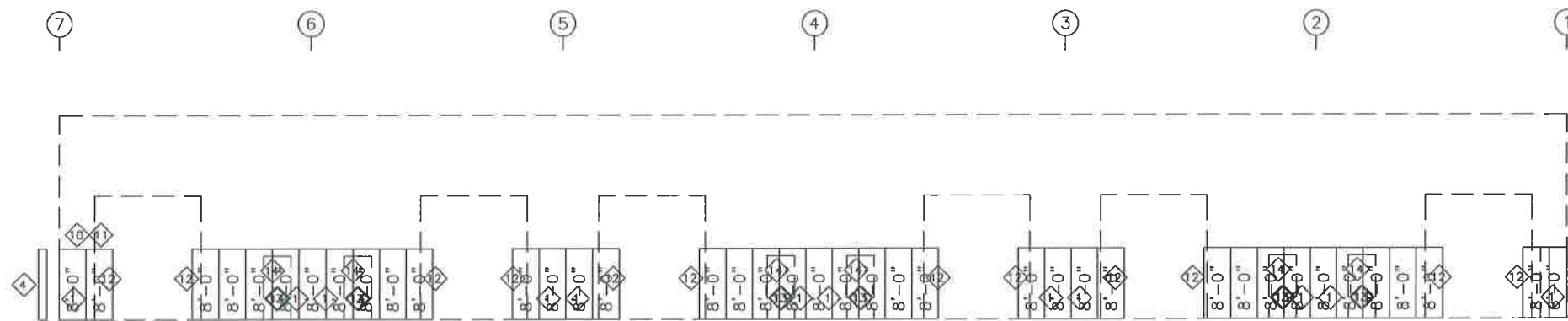
ENDWALL LINER SHEETING & TRIM: FRAME LINE 1
PANELS: 26 Ga. PBR - Light Stone



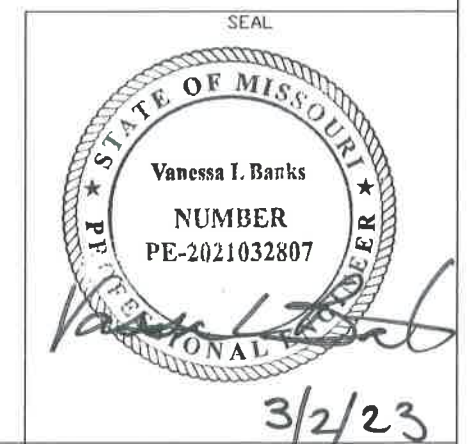
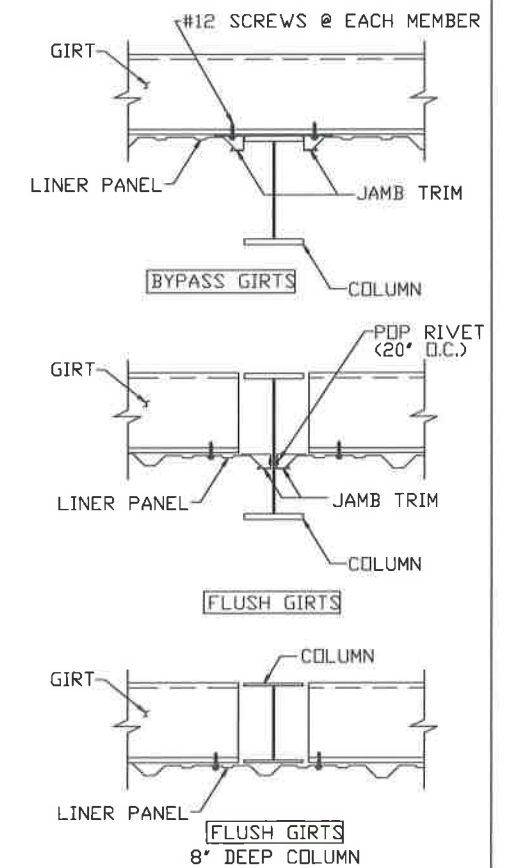
ENDWALL LINER SHEETING & TRIM: FRAME LINE 7
PANELS: 26 Ga. PBR - Light Stone



SIDEWALL LINER SHEETING & TRIM: FRAME LINE D
PANELS: 26 Ga. PBR - Light Stone



SIDEWALL LINER SHEETING & TRIM: FRAME LINE A
PANELS: 26 Ga. PBR - Light Stone



REVISIONS						
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS	
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[] OTHER, EXPLAIN	

VULCAN STEEL STRUCTURES, INC	
PROJECT	LOT 7 EKCIP
ID	27967
PROJECT ADDRESS	LEE'S SUMMIT, MO 64064

MIDWEST STEEL	
WALL LINER PANEL	
DESIGN: ZJM	DRAFT: KMG
DATE: 2/27/23	CHECK: ZJM
SHEET	15