

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 Number27967

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

BUILDING DESCRIPTION:

NOMINAL WIDTH:70feet

NOMINAL LENGTH:170feet

EAVE HEIGHT, BACK S.W:23.08feet

EAVE HEIGHT, FRONT S.W:26feet

ROOF SLOPE:0.5:12

COMMENTS

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. FACTOR1.00

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)

FRAMING PRIMER COLOR OR TYPE:

PRIMARY = GRAY PRIMER

SECONDARY = PRE-GALVANIZED

SHEETING AND TRIM COLORS

ROOF PANEL:

GAUGE

PANEL TYPE

COLOR

26GA.

PBR PANEL

Galvalume

WALL PANEL:

GAUGE

PANEL TYPE

COLOR

26GA.

PBU

Galvalume

MANSARD/FACADE PANEL:

GAUGE

PANEL TYPE

COLOR

26GA.

PBU

Galvalume

LINER PANEL:

GAUGE

PANEL TYPE

COLOR

26GA.

PBR PANEL

Polar White

BUILDING TRIM COLORS SHOWN BELOW:

EAVE TRIM COLOR:

CORNER TRIM COLOR:

Charcoal Gray

Ash Gray

RAKE TRIM COLOR:

BASE TRIM COLOR:

Charcoal Gray

Ash Gray

F.O. TRIM COLOR:

DOWNSPOUT COLOR:

Ash Gray

Ash Gray

LINER TRIM COLOR:

PARAPET TRIM COLOR:

Polar White

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

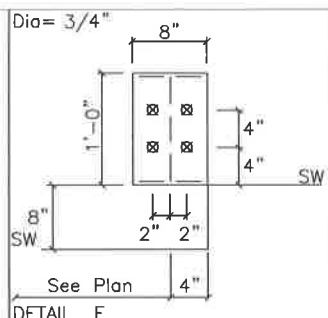
Vanessa L. Banks

NUMBER

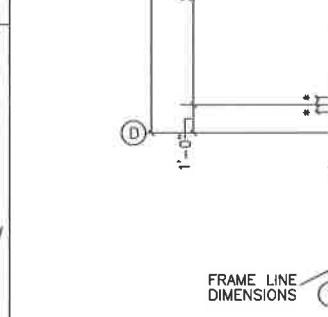
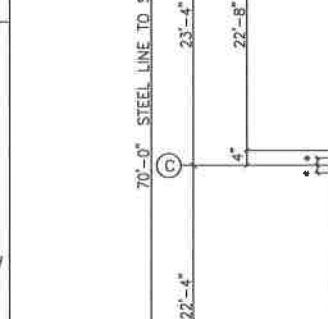
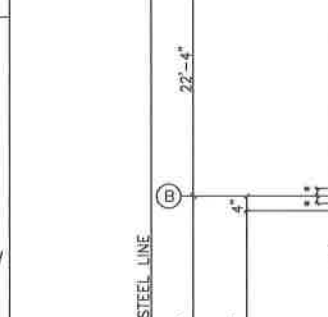
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PROFESSIONAL ENGINEER

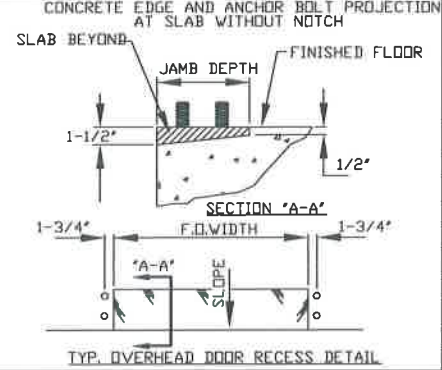
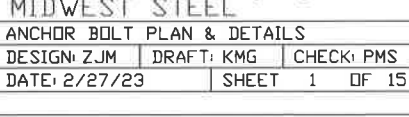
3/2/23



Diagram

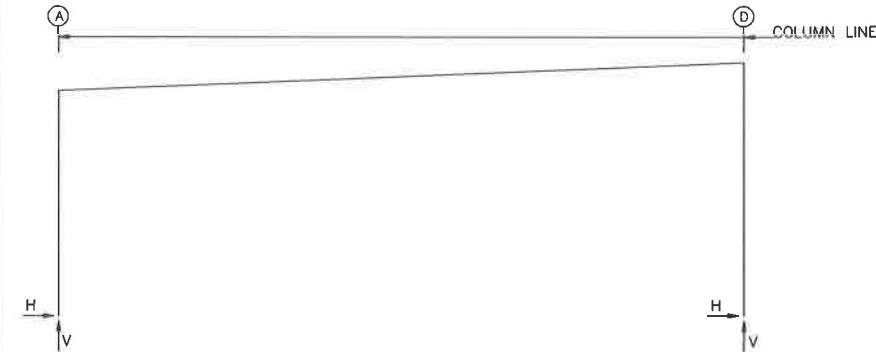


| Qty  | Locate  | Dia<br>(in) | Type  | Proj<br>(in) |
|------|---------|-------------|-------|--------------|
| ○ 24 | Jamb    | 5/8"        | F1554 | 3.00         |
| ○ 32 | Endwall | 5/8"        | F1554 | 3.00         |
| ⊗ 40 | Frame   | 3/4"        | F1554 | 3.00         |





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                 | Dead         |       | Collateral    |       | Live       |       | Snow        |      | Snow Drift |       | Slide Snow |      |
|------------|------------------------|--------------|-------|---------------|-------|------------|-------|-------------|------|------------|-------|------------|------|
| 2*         | Line                   | Horiz        | Vert  | Horiz         | Vert  | Horiz      | Vert  | Horiz       | Vert | Horiz      | Vert  | Horiz      | Vert |
| 2*         | A                      | 1.2          | 5.3   | 1.2           | 3.2   | 4.9        | 13.4  | 5.7         | 15.3 | 0.6        | 1.8   | 0.0        | 1.1  |
| 2*         | D                      | -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                 | Wind_Left1   |       | Wind_Right1   |       | Wind_Left2 |       | Wind_Right2 |      | Wind_Long1 |       | Wind_Long2 |      |
| 2*         | Line                   | Horiz        | Vert  | Horiz         | Vert  | Horiz      | Vert  | Horiz       | Vert | Horiz      | Vert  | Horiz      | Vert |
| 2*         | A                      | -16.6        | -22.8 | 7.9           | -4.3  | -16.7      | -16.4 | 8.2         | 2.1  | -2.9       | -15.3 | -0.8       | -9.8 |
| 2*         | D                      | -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                 | Seismic_Left |       | Seismic_Right |       | MIN_SNOW   |       |             |      |            |       |            |      |
| 2*         | Line                   | Horiz        | Vert  | Horiz         | Vert  | Horiz      | Vert  |             |      |            |       |            |      |
| 2*         | A                      | -0.3         | -0.2  | 0.3           | 0.2   | 8.3        | 19.8  |             |      |            |       |            |      |
| 2*         | D                      | -0.3         | 0.2   | 0.3           | -0.2  | -8.3       | 19.9  |             |      |            |       |            |      |
| 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) |      | Note |
|------|-----------|----------|-----------------|-----|---------|-----|---------------------|------|------|
|      |           |          | Wind            |     | Seismic |     | Wind                | Seis |      |
| 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 )

| Frm Line | Col Line | Dead Horiz       | Dead Vert       | Collat Horiz     | Collat Vert     | Live Horiz       | Live Vert       | Snow Horiz       | Snow Vert       | Snow Drift Horiz | Snow Drift Vert | Slide Horiz      | Slide Vert      | Wind Left1 Horiz | Wind Left1 Vert | Wind Right1 Horiz | Wind Right1 Vert | Wind Left2 Horiz | Wind Left2 Vert | Wind Right2 Horiz | 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            | 0.8              | -0.5            |                  |                 |                   |                  |                  |                 |                   |                  |                  |                 |
| 1        | B        | 1.4              | 1.1             | 6.5              | 5.2             | 6.9              | 0.0             | -7.0             | -3.9            | -4.8             | -1.7            | -3.1             | 3.5             |                  |                 |                   |                  |                  |                 |                   |                  |                  |                 |
| 1        | C        | 1.4              | 1.1             | 6.5              | 5.2             | 7.2              | 0.0             | -7.5             | -3.7            | -5.3             | -1.5            | -3.4             | 3.8             |                  |                 |                   |                  |                  |                 |                   |                  |                  |                 |
| 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 Horiz | Wind Long1 Vert | Wind Long2 Horiz | Wind Long2 Vert | Seis Left Horiz  | Seis Left Vert  | Seis Right Horiz | Seis Right Vert | -MIN SNOW Horiz  | -MIN SNOW Vert  | E1PAT_SL_1 Horiz | E1PAT_SL_1 Vert | E1PAT_SL_2 Horiz | E1PAT_SL_2 Vert | E1PAT_SL_3 Horiz  | E1PAT_SL_3 Vert  |                  |                 |                   |                  |                  |                 |
| 1        | A        | -2.8             | -1.6            | 0.0              | 0.0             | 0.0              | 0.0             | 0.0              | 2.8             | 0.0              | 1.1             | 0.0              | 0.0             | 0.0              | 0.0             | 1.0               | 0.0              |                  |                 |                   |                  |                  |                 |
| 1        | B        | -7.0             | -4.1            | 0.0              | 0.0             | 0.0              | 0.0             | 0.0              | 7.4             | 0.0              | 1.5             | 0.0              | -0.2            | 0.0              | 2.8             | 0.0               | 2.8              |                  |                 |                   |                  |                  |                 |
| 1        | C        | -7.0             | -4.1            | 0.0              | 0.0             | 0.0              | 0.0             | 0.0              | 7.4             | 0.0              | -0.2            | 0.0              | 1.5             | 0.0              | 1.1             | 0.0               | 1.1              |                  |                 |                   |                  |                  |                 |
| 1        | D        | -2.6             | -1.5            | 0.0              | 0.0             | 0.0              | 0.0             | 0.0              | 2.9             | 0.0              | 0.0             | 0.0              | 0.0             | 1.1              | 0.0             | -0.1              | 0.0              |                  |                 |                   |                  |                  |                 |
| Frm Line | Col Line | E1PAT_SL_4 Horiz | E1PAT_SL_4 Vert | E1PAT_LL_1 Horiz | E1PAT_LL_1 Vert | E1PAT_LL_2 Horiz | E1PAT_LL_2 Vert | E1PAT_LL_3 Horiz | E1PAT_LL_3 Vert | E1PAT_LL_4 Horiz | E1PAT_LL_4 Vert |                  |                 |                  |                 |                   |                  |                  |                 |                   |                  |                  |                 |
| 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 | Wind Long1 Horiz | Wind Long1 Vert | Wind Long2 Horiz | Wind Long2 Vert | Seis Left Horiz  | Seis Left Vert  | Seis Right Horiz | Seis Right Vert | Snow Horiz       | Snow Vert       | Slide Horiz      | Slide Vert      | Wind Left1 Horiz | Wind Left1 Vert | Wind Right1 Horiz | Wind Right1 Vert | Wind Left2 Horiz | Wind Left2 Vert | Wind Right2 Horiz | 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 Horiz | Wind Long1 Vert | Wind Long2 Horiz | Wind Long2 Vert | Seis Left Horiz  | Seis Left Vert  | Seis Right Horiz | Seis Right Vert | -MIN SNOW Horiz  | -MIN SNOW Vert  | E2PAT_SL_1 Horiz | E2PAT_SL_1 Vert | E2PAT_SL_2 Horiz | E2PAT_SL_2 Vert | E2PAT_SL_3 Horiz  | E2PAT_SL_3 Vert  |                  |                 |                   |                  |                  |                 |
| 7        | D        | -2.6             | -1.5            | 0.0              | 0.0             | 0.0              | 0.0             | 2.9              | 0.0             | 1.1              | 0.0             | 0.0              | 0.0             | 0.0              | 1.0             | 0.0               | 2.8              |                  |                 |                   |                  |                  |                 |
| 7        | C        | -7.0             | -4.1            | 0.0              | 0.0             | 0.0              | 0.0             | 7.4              | 0.0             | 1.5              | 0.0             | -0.2             | 0.0             | 2.8              | 0.0             | 2.8               | 0.0              |                  |                 |                   |                  |                  |                 |
| 7        | B        | -7.0             | -4.1            | 0.0              | 0.0             | 0.0              | 0.0             | 7.4              | 0.0             | -0.2             | 0.0             | 1.5              | 0.0             | 1.1              | 0.0             | 1.1               | 0.0              |                  |                 |                   |                  |                  |                 |
| 7        | A        | -2.8             | -1.6            | 0.0              | 0.0             | 0.0              | 0.0             | 2.8              | 0.0             | 0.0              | 0.0             | 0.0              | 0.0             | 1.1              | 0.0             | -0.1              | 0.0              |                  |                 |                   |                  |                  |                 |
| Frm Line | Col Line | E2PAT_SL_4 Horiz | E2PAT_SL_4 Vert | E2PAT_LL_1 Horiz | E2PAT_LL_1 Vert | E2PAT_LL_2 Horiz | E2PAT_LL_2 Vert | E2PAT_LL_3 Horiz | E2PAT_LL_3 Vert | E2PAT_LL_4 Horiz | E2PAT_LL_4 Vert |                  |                 |                  |                 |                   |                  |                  |                 |                   |                  |                  |                 |
| 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.DWG\*

[ ] FOR APPROVAL

[ ] OTHER, EXPLAIN

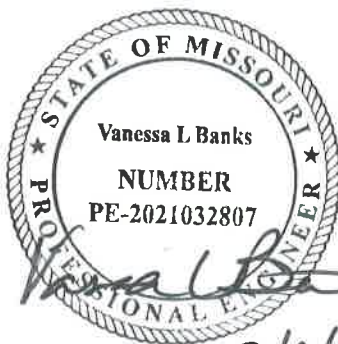
VULCAN STEEL STRUCTURES, INC

| 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          |

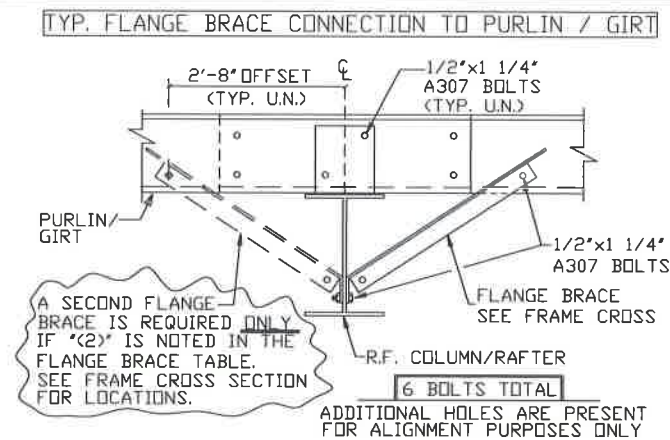
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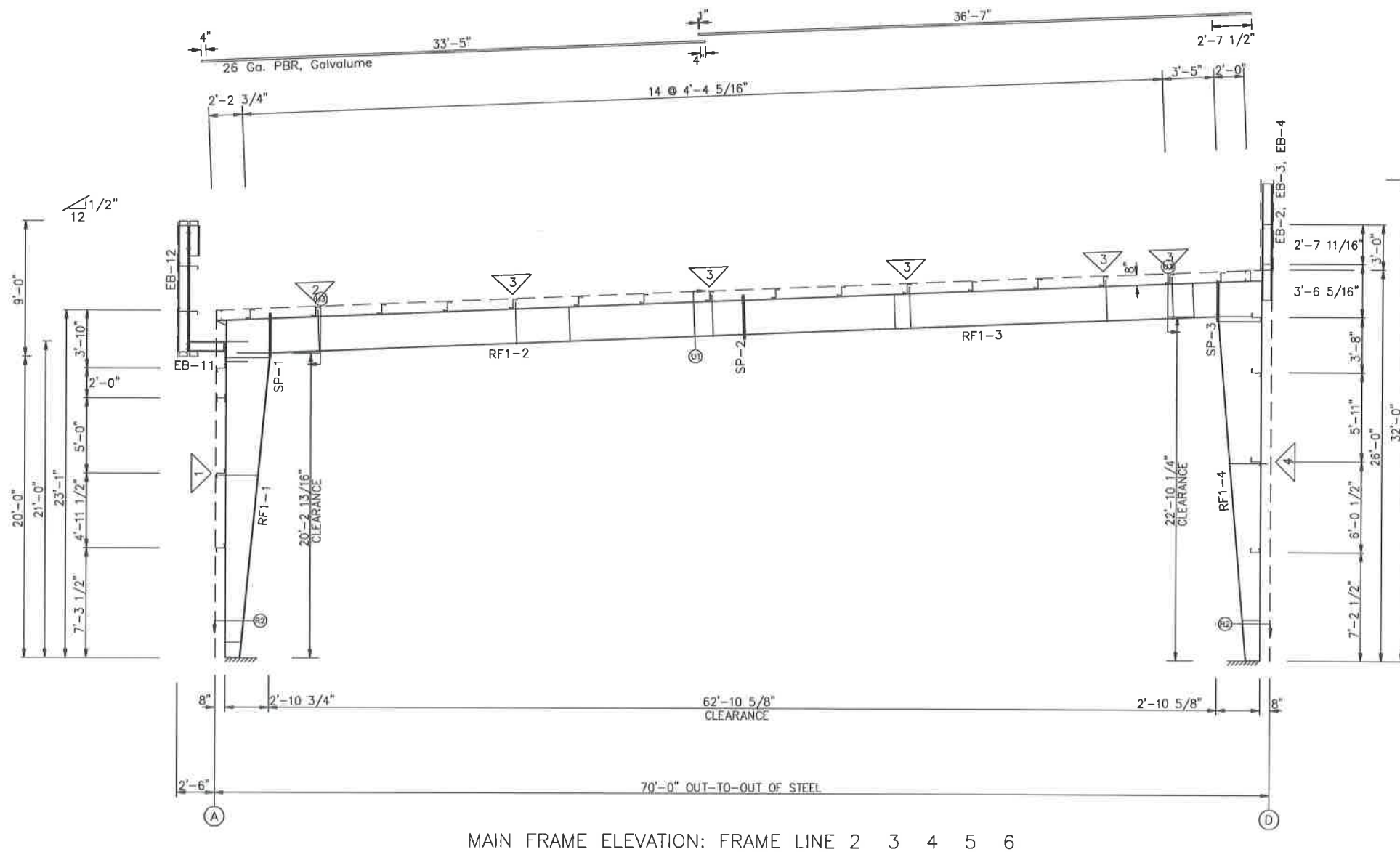
3/4/23

| SPLICE BOLT TABLE |     |     |     |     |       |            |
|-------------------|-----|-----|-----|-----|-------|------------|
| Mark              | Qty | Top | Bot | Int | Type  | Dia Length |
| SP-1              | 4   | 4   | 0   | 0   | A325T | 0.875 3.50 |
| SP-2              | 4   | 4   | 0   | 0   | A325T | 0.750 2.50 |
| SP-3              | 4   | 4   | 0   | 0   | A325T | 1.000 3.50 |

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



| Mark  | Web Depth |      | Web Plate |        | Outside Flange |         |          | Inside Flange |        |          |
|-------|-----------|------|-----------|--------|----------------|---------|----------|---------------|--------|----------|
|       | Start     | End  | Thick     | Length | W              | x Thk   | x Length | W             | x Thk  | x Length |
| RF1-1 | 11.2      | 12.4 | 0.135     | 12.0   | 6              | x 1/4"  | x 235.4  | 6             | x 1/2" | x 239.6  |
|       | 12.4      | 34.0 | 0.135     | 226.5  | 6              | x 1/4"  | x 16.8   |               |        |          |
|       | 34.0      | 34.0 | 0.250     | 31.2   | 6              | x 1/2"  | x 42.3   |               |        |          |
| RF1-2 | 27.0      | 27.0 | 0.165     | 238.0  | 6              | x 1/2"  | x 88.0   | 6             | x 1/2" | x 89.2   |
|       | 27.0      | 27.0 | 0.165     | 138.2  | 6              | x 3/8"  | x 287.0  | 6             | x 3/8" | x 287.0  |
|       | 27.0      | 27.0 | 0.165     | 119.0  | 6              | x 3/8"  | x 376.6  | 6             | x 3/8" | x 375.4  |
| RF1-3 | 27.0      | 27.0 | 0.188     | 238.0  |                |         |          |               |        |          |
|       | 27.0      | 27.0 | 0.188     | 19.6   |                |         |          |               |        |          |
|       | 34.0      | 34.0 | 0.313     | 32.6   | 8              | x 5/16" | x 34.3   | 8             | x 3/8" | x 271.0  |
| RF1-4 | 34.0      | 13.9 | 0.135     | 238.0  | 8              | x 1/4"  | x 302.6  |               |        |          |
|       | 13.9      | 11.2 | 0.135     | 32.0   |                |         |          |               |        |          |
| EB-2  |           |      |           | W8X13  |                |         |          |               |        |          |
| EB-3  |           |      |           | W8X13  |                |         |          |               |        |          |
| EB-4  |           |      |           | W8X13  |                |         |          |               |        |          |
| EB-11 |           |      |           | W8X15  |                |         |          |               |        |          |
| EB-12 |           |      |           | W8X15  |                |         |          |               |        |          |



MAIN FRAME ELEVATION: FRAME LINE 2 3 4 5 6

#### GENERAL NOTES:

\* NOTICE TO ERECTOR \*

(A) It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B) ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

#### REVISIONS

| REV. | DESCRIPTION: | DATE | DTLR | DATE | CHKR | APPD |
|------|--------------|------|------|------|------|------|
|      |              |      |      |      |      |      |
|      |              |      |      |      |      |      |
|      |              |      |      |      |      |      |

#### DRAWING STATUS

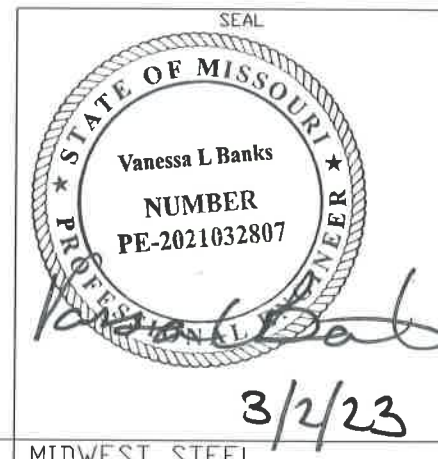
[ ] FOR CONSTRUCTION  
[X] FOR PERMIT ONLY  
\*NOT FINAL CONST.DWGS\*  
[ ] FOR APPROVAL  
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC

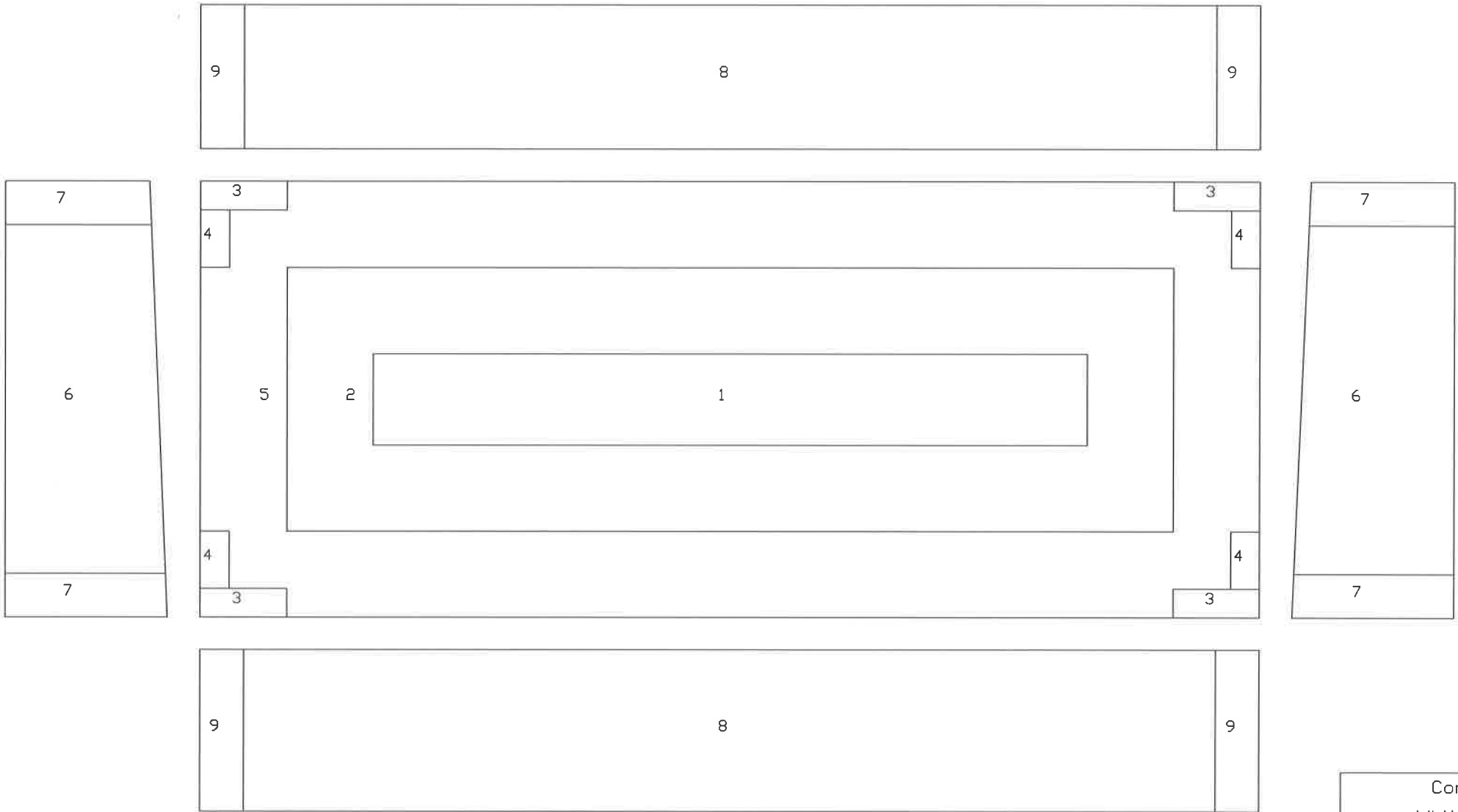
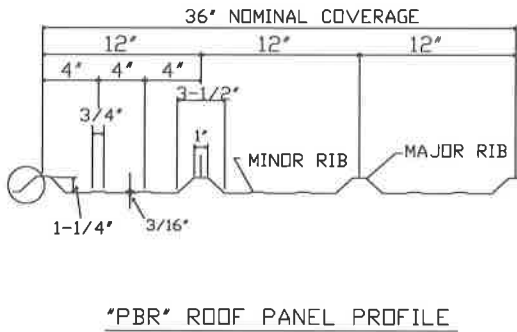
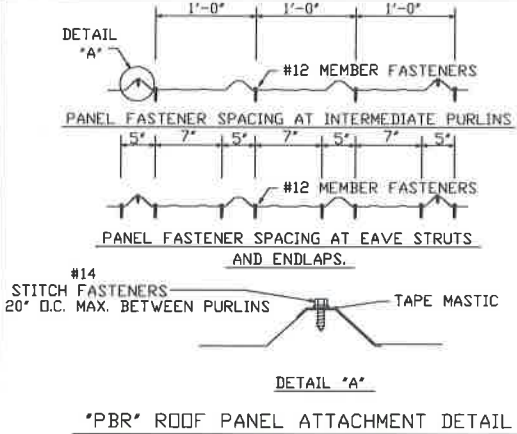
PROJECT LOT 7 EKCIP  
ID 27967  
PROJECT ADDRESS LEE'S SUMMIT, MO 64064

MIDWEST STEEL

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

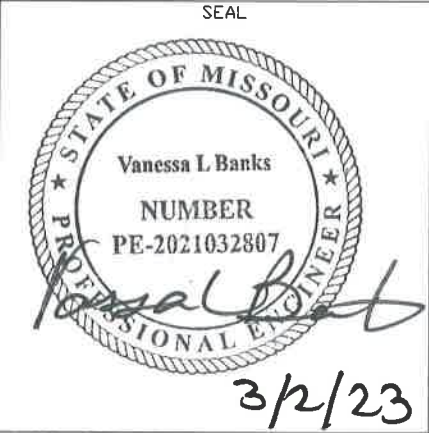


ERECTOR NOTE:  
THIS BUILDING HAS SPECIFIC ROOF AND/OR WALL FASTENER REQUIREMENTS. PLEASE REVIEW THIS DETAIL PRIOR TO ERECTING THE ROOF & WALL PANELS. FAILURE TO FOLLOW THESE SPECIFIC REQUIREMENTS COULD RESULT IN LOSS OF ROOF OR WALL PANEL(S).

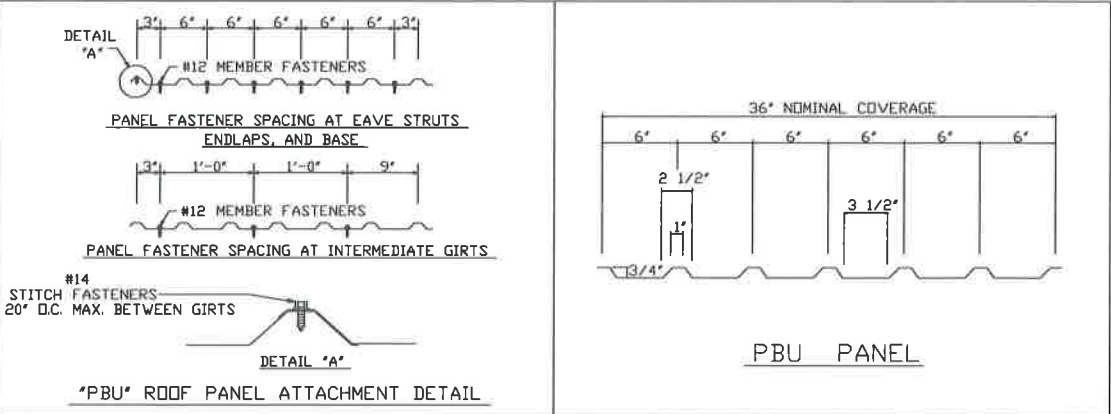


| Components & Cladding 10 sq.ft. |            |             |                  |                 |
|---------------------------------|------------|-------------|------------------|-----------------|
| Zone                            | Width (ft) | Length (ft) | Press(psf) Panel | Suct(psf) Panel |
| 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 VULT 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.



3/2/23



ROOF & WALL FASTENER DETAIL PLAN  
ENCLOSED / PARTIALLY ENCLOSED

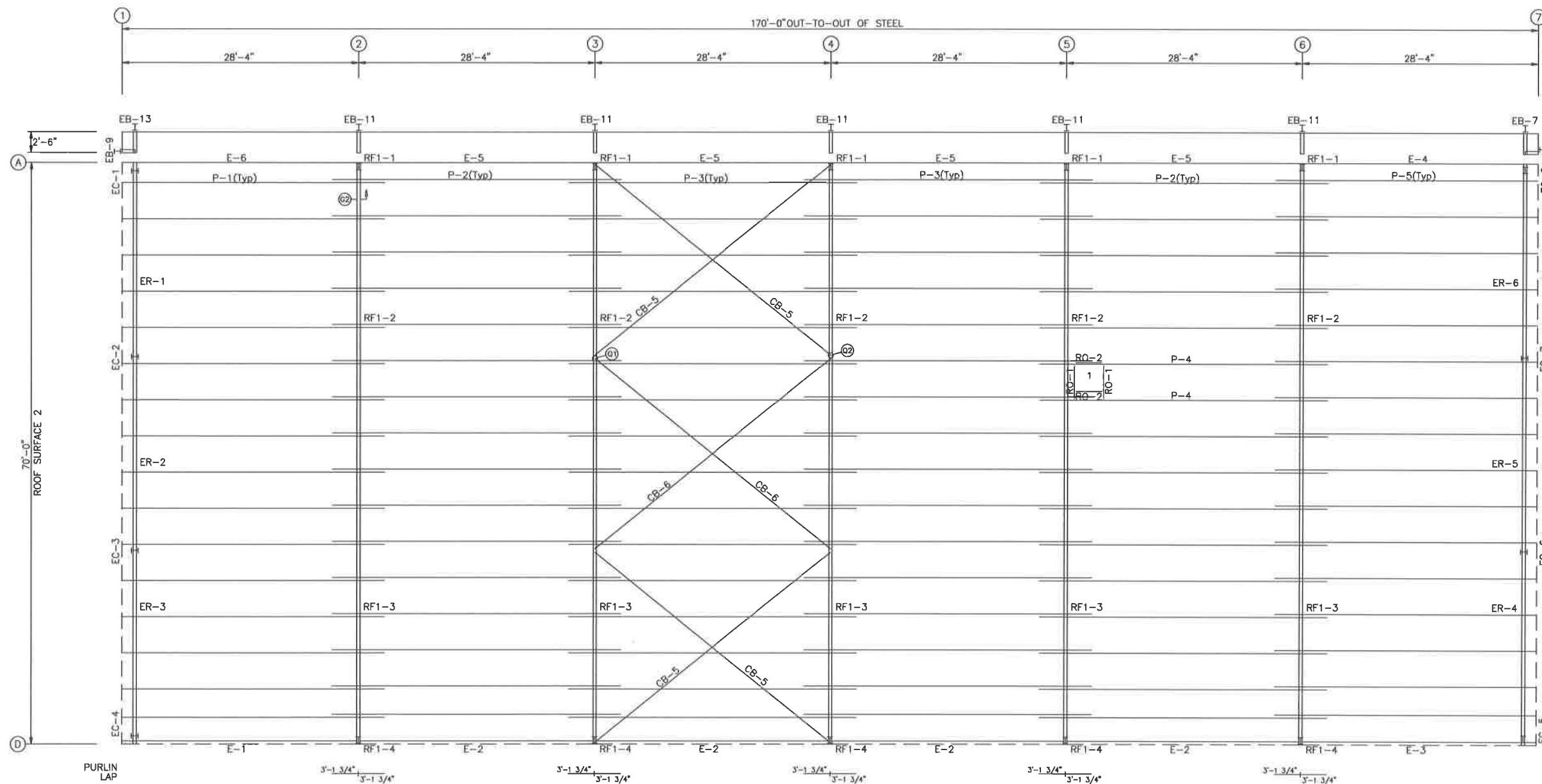
| REVISIONS |             |      |      |      |      |      | DRAWING STATUS                                      |         | VULCAN STEEL STRUCTURES, INC |                  | MIDWEST STEEL |            |  |
|-----------|-------------|------|------|------|------|------|-----------------------------------------------------|---------|------------------------------|------------------|---------------|------------|--|
| REV.      | DESCRIPTION | DATE | DTLR | DATE | CHKR | APPD | <input type="checkbox"/> FOR CONSTRUCTION           | PROJECT | LOT 7 EKCP                   | FASTENER DETAILS |               |            |  |
|           |             |      |      |      |      |      | <input checked="" type="checkbox"/> FOR PERMIT ONLY | ID      | 27967                        | DESIGN: ZJM      | DRAFT: KMG    | CHECK: ZJM |  |
|           |             |      |      |      |      |      | *NOT FINAL CONST.DWGS*                              | PROJECT | LEE'S SUMMIT, MD 64064       | DATE: 2/27/23    | SHEET         | 4          |  |
|           |             |      |      |      |      |      | <input type="checkbox"/> FOR APPROVAL               | ADDRESS |                              |                  |               |            |  |
|           |             |      |      |      |      |      | <input type="checkbox"/> OTHER, EXPLAIN             |         |                              |                  |               |            |  |



| OPENING TABLE |     |      |       |            |       |
|---------------|-----|------|-------|------------|-------|
| ROOF PLAN     |     |      |       |            |       |
| ID            | QTY | USE  | WIDTH | LENGTH     | LOAD  |
| 1             | 1   | OPEN | 3'-6" | 3'-6 1/16" | 0.200 |

| 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"     |



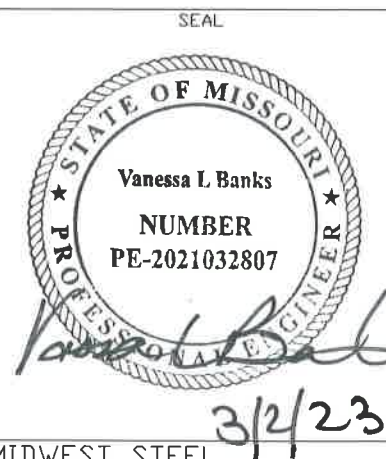
ROOF FRAMING PLAN

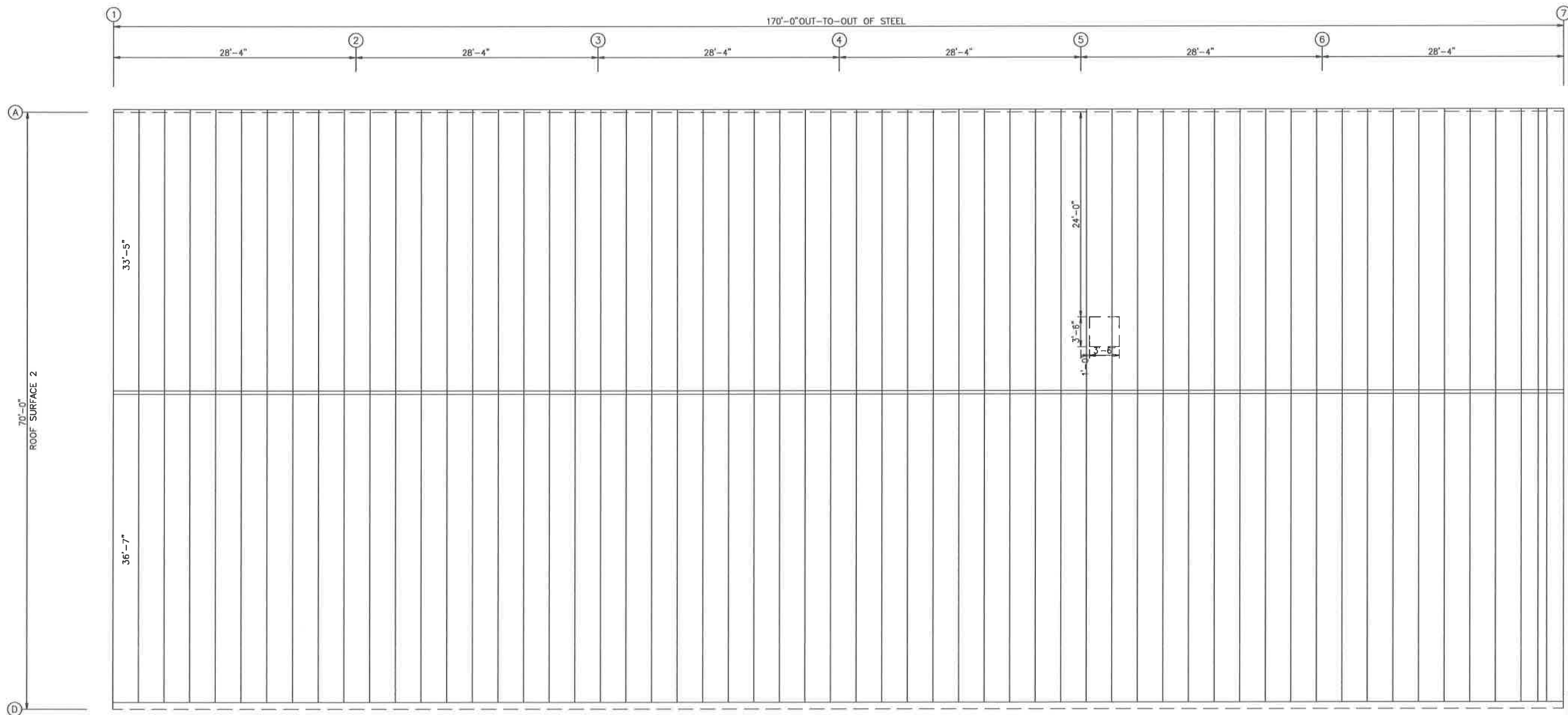
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| REV.      | DESCRIPTION | DATE | DTLR | DATE | CHKR | APPD |
|           |             |      |      |      |      |      |
|           |             |      |      |      |      |      |
|           |             |      |      |      |      |      |

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

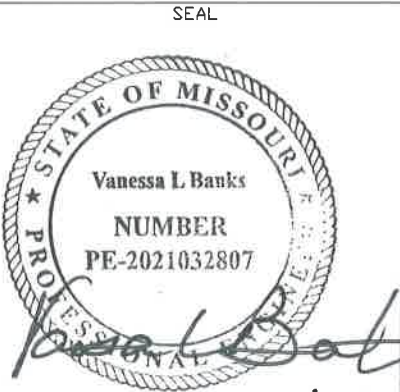
|                              |                        |
|------------------------------|------------------------|
| VULCAN STEEL STRUCTURES, INC |                        |
| PROJECT                      | LOT 7 EKCIP            |
| ID                           | 27967                  |
| PROJECT ADDRESS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

|               |            |
|---------------|------------|
| MIDWEST STEEL |            |
| DESIGN: ZJM   | DRAFT: KMG |
| DATE: 2/27/23 | SHEET 5    |





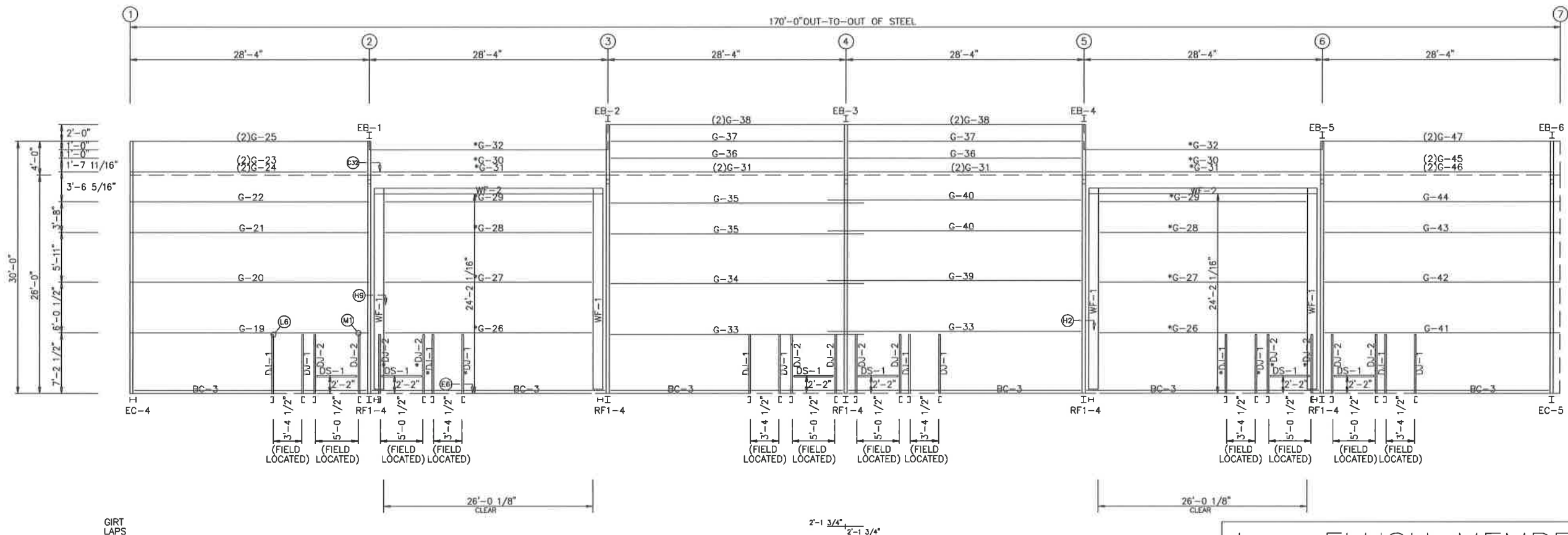
ROOF SHEETING PLAN  
PANELS: 26 Ga. PBR - Galvalume



| REVISIONS |              |      |      |      |      |      | DRAWING STATUS                                      |         | VULCAN STEEL STRUCTURES, INC |               | MIDWEST STEEL |            |
|-----------|--------------|------|------|------|------|------|-----------------------------------------------------|---------|------------------------------|---------------|---------------|------------|
| REV.      | DESCRIPTION: | DATE | DTLR | DATE | CHKR | APPD | <input type="checkbox"/> FOR CONSTRUCTION           | PROJECT | LOT 7 EKCIP                  | ROOF SHEETING | DESIGN: ZJM   | DRAFT: KMG |
|           |              |      |      |      |      |      | <input checked="" type="checkbox"/> FOR PERMIT ONLY | ID      | 27967                        |               | CHECK: ZJM    |            |
|           |              |      |      |      |      |      | *NOT FINAL CONST.DWGS*                              | PROJECT | LEE'S SUMMIT, MD 64064       | DATE: 2/27/23 | SHEET         | 6          |
|           |              |      |      |      |      |      | <input type="checkbox"/> FOR APPROVAL               | ADDRESS |                              |               |               |            |
|           |              |      |      |      |      |      | <input type="checkbox"/> OTHER, EXPLAIN             |         |                              |               |               |            |

| BOLT TABLE   |      |       |      |        |
|--------------|------|-------|------|--------|
| FRAME LINE D |      |       |      |        |
| LOCATION     | QUAN | TYPE  | DIA  | LENGTH |
| 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:

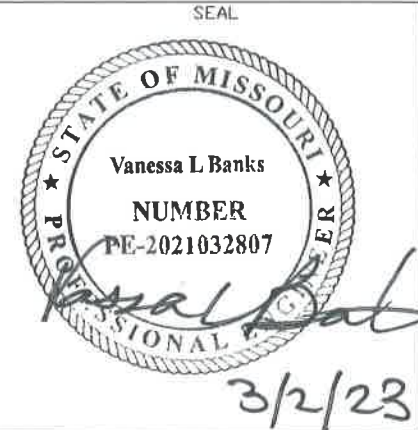
(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.  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

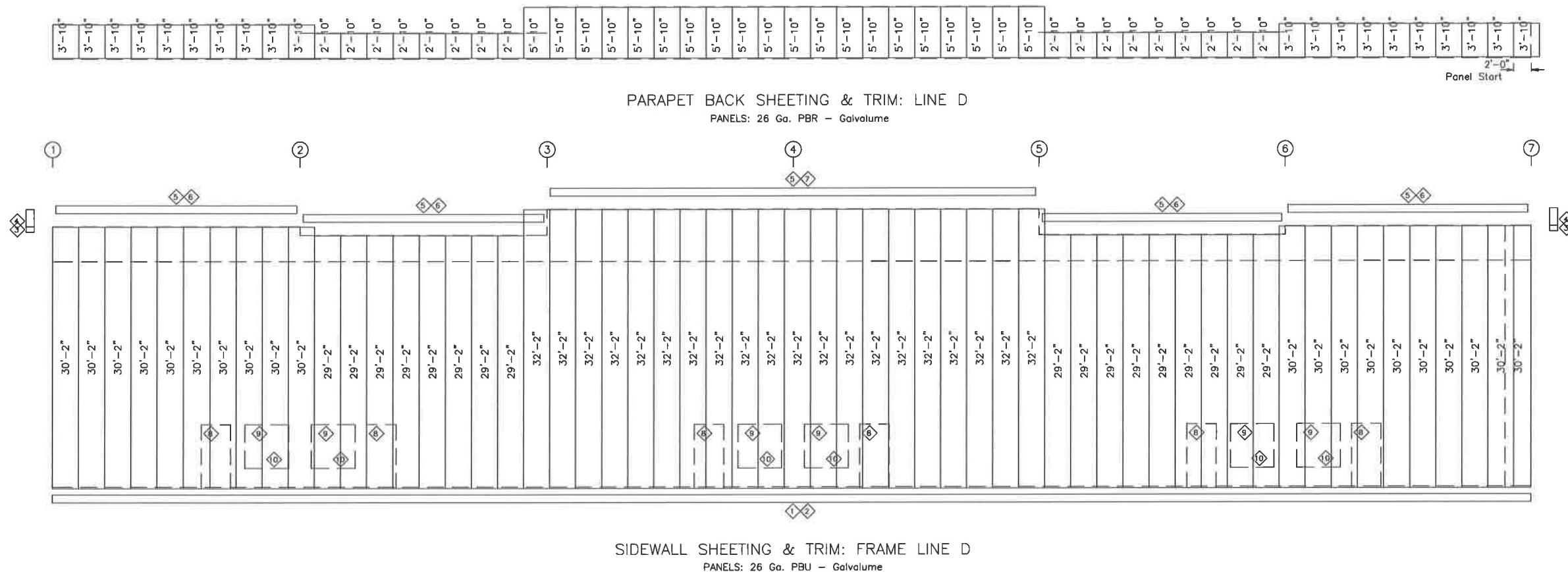
| VULCAN STEEL STRUCTURES, INC |                        |
|------------------------------|------------------------|
| PROJECT                      | LOT 7 EKCIP            |
| ID                           | 27967                  |
| PROJECT ADDRESS              | LEE'S SUMMIT, MD 64064 |

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





| TRIM TABLE   |      |        |          |
|--------------|------|--------|----------|
| FRAME LINE D |      |        |          |
| ◇ID          | PART | LENGTH | DETAIL   |
| 1            | DTR  | 20'-3" | TRIM_117 |
| 2            | DTR  | 10'-3" | TRIM_117 |
| 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"  |          |



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.

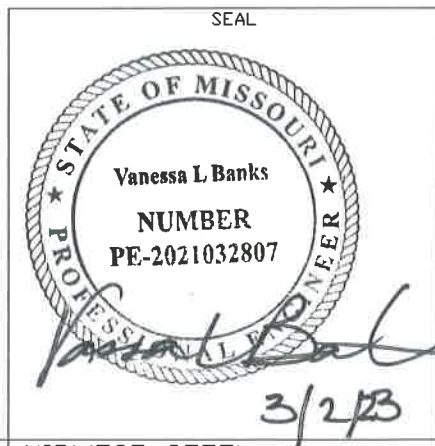
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING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

| REVISIONS |              |      |      |      |      |      |
|-----------|--------------|------|------|------|------|------|
| REV.      | DESCRIPTION: | DATE | DTLR | DATE | CHKR | 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    |            |            |
| SIDEWALL FRAMING |            |            |
| DESIGN: ZJM      | DRAFT: KMG | CHECK: ZJM |
| 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"        |

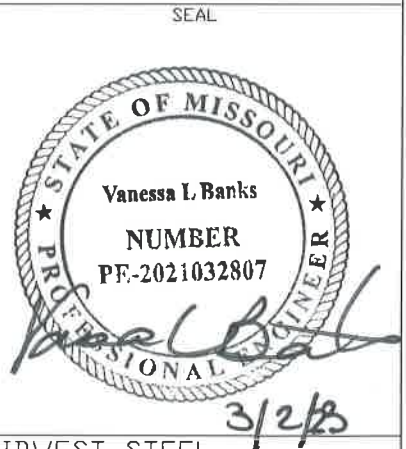


\* = FLUSH MEMBER

(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.

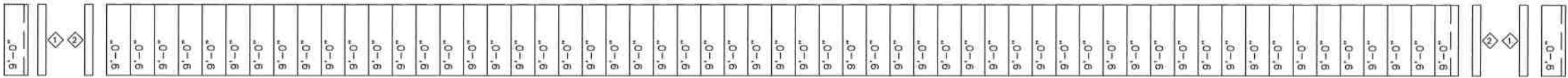
|           |              |      |      |      |      |      |                        |         |                              |                  |               |            |
|-----------|--------------|------|------|------|------|------|------------------------|---------|------------------------------|------------------|---------------|------------|
| REVISIONS |              |      |      |      |      |      | DRAWING STATUS         |         | VULCAN STEEL STRUCTURES, INC |                  | MIDWEST STEEL |            |
| REV.      | DESCRIPTION: | DATE | DTLR | DATE | CHKR | APPD | [ ] FOR CONSTRUCTION   | PROJECT | LOT 7 EKCIP                  | SIDEWALL FRAMING |               |            |
|           |              |      |      |      |      |      | [X] FOR PERMIT ONLY    | ID      | 27967                        | DESIGN: ZJM      | DRAFT: KMG    | CHECK: ZJM |
|           |              |      |      |      |      |      | *NOT FINAL CONST.DWGS* | PROJECT | LEE'S SUMMIT, MD 64064       | DATE: 2/27/23    |               |            |
|           |              |      |      |      |      |      | [ ] FOR APPROVAL       | ADDRESS |                              | SHEET 9          |               |            |
|           |              |      |      |      |      |      | [ ] OTHER, EXPLAIN     |         |                              |                  |               |            |



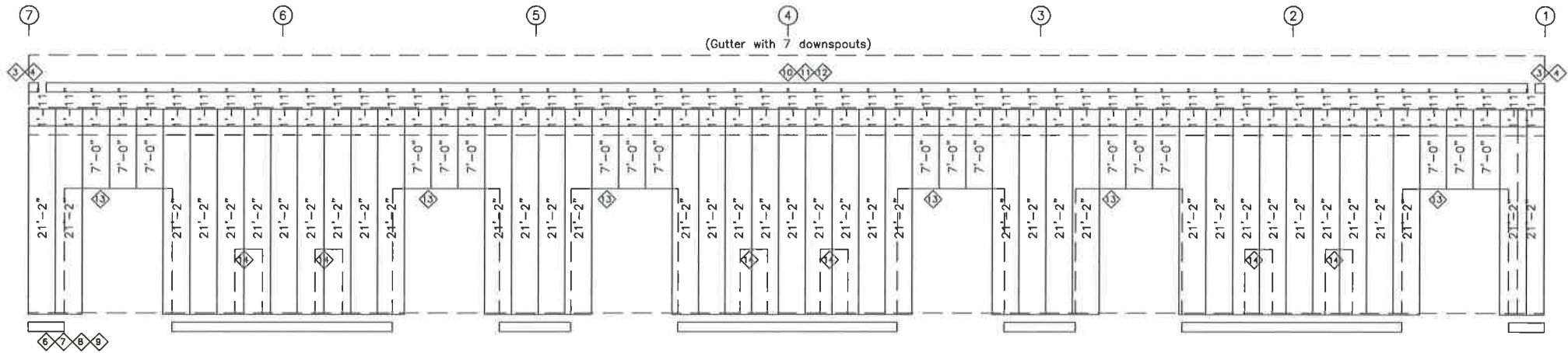
| TRIM TABLE   |      |        |          |
|--------------|------|--------|----------|
| FRAME LINE A |      |        |          |
| ID           | PART | LENGTH | DETAIL   |
| 1            | IC   | SCRAP  |          |
| 2            | CTR  | 9'-3"  | TM29     |
| 3            | RVCB | 6"     | TM52     |
| 4            | RVGE | 6"     |          |
| 5            | IC   | 20'-7" |          |
| 6            | DTR  | 20'-3" | TRIM_117 |
| 7            | DTR  | 4'-3"  | TRIM_117 |
| 8            | DTR  | 4'-11" | TRIM_117 |
| 9            | DTR  | 8'-3"  | TRIM_117 |
| 10           | RVEG | 20'-3" | TM50     |
| 11           | RVEG | 10'-3" | TM50     |
| 12           | SET  | 10'-9" |          |
| 13           | HT   | 12'-6" | TM33     |
| 14           | HT   | 3'-7"  | 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.

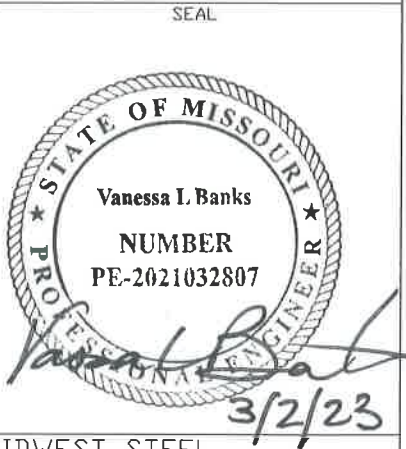
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING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

| REVISIONS |              |      |      |      |      |      |
|-----------|--------------|------|------|------|------|------|
| REV.      | DESCRIPTION: | DATE | DLTR | 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         |

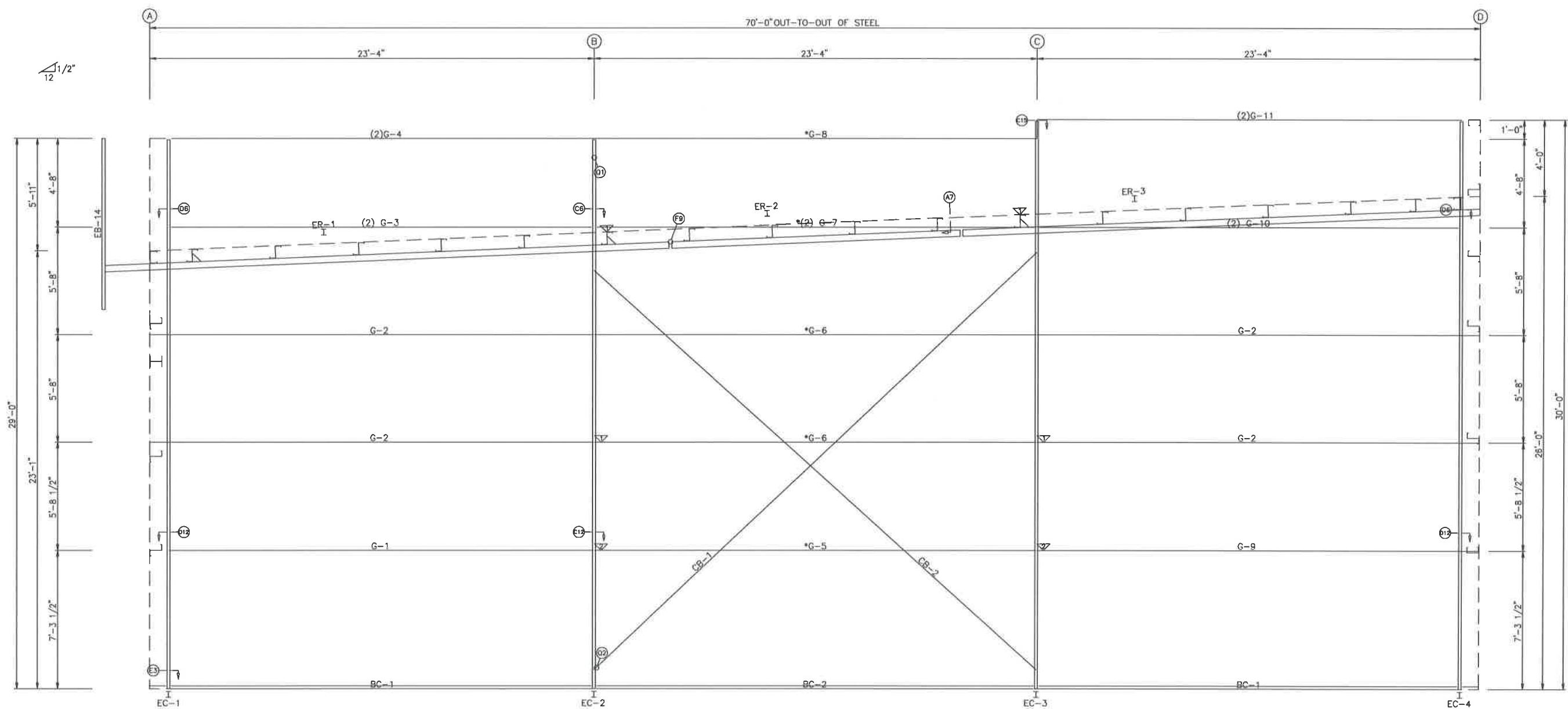




| BOLT TABLE   |      |       |        |        |
|--------------|------|-------|--------|--------|
| FRAME LINE 1 |      |       |        |        |
| LOCATION     | QUAN | TYPE  | DIA    | LENGTH |
| ER-1/ER-2    | 8    | A325T | 5/8"   | 2 1/4" |
| ER-2/ER-3    | 8    | A325T | 5/8"   | 2 1/4" |
| Columns/Raf  | 2    | A325T | 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:

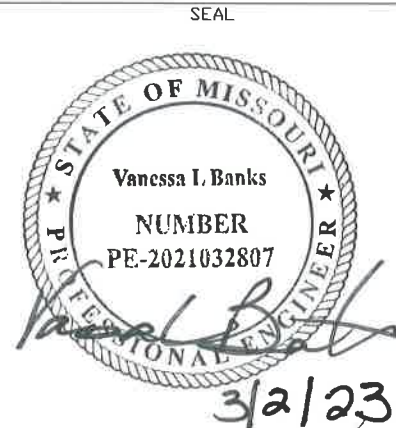
(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.  
(2.) ADDITIONAL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

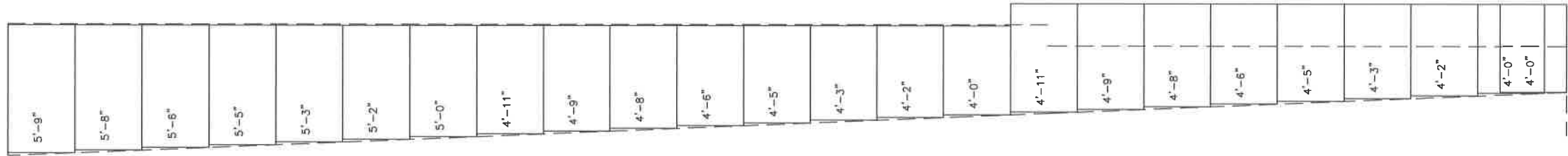
DRAWING STATUS  
[ ] FOR CONSTRUCTION  
[X] FOR PERMIT ONLY  
\*NOT FINAL CONST.DWGS\*  
[ ] FOR APPROVAL  
[ ] OTHER, EXPLAIN

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

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

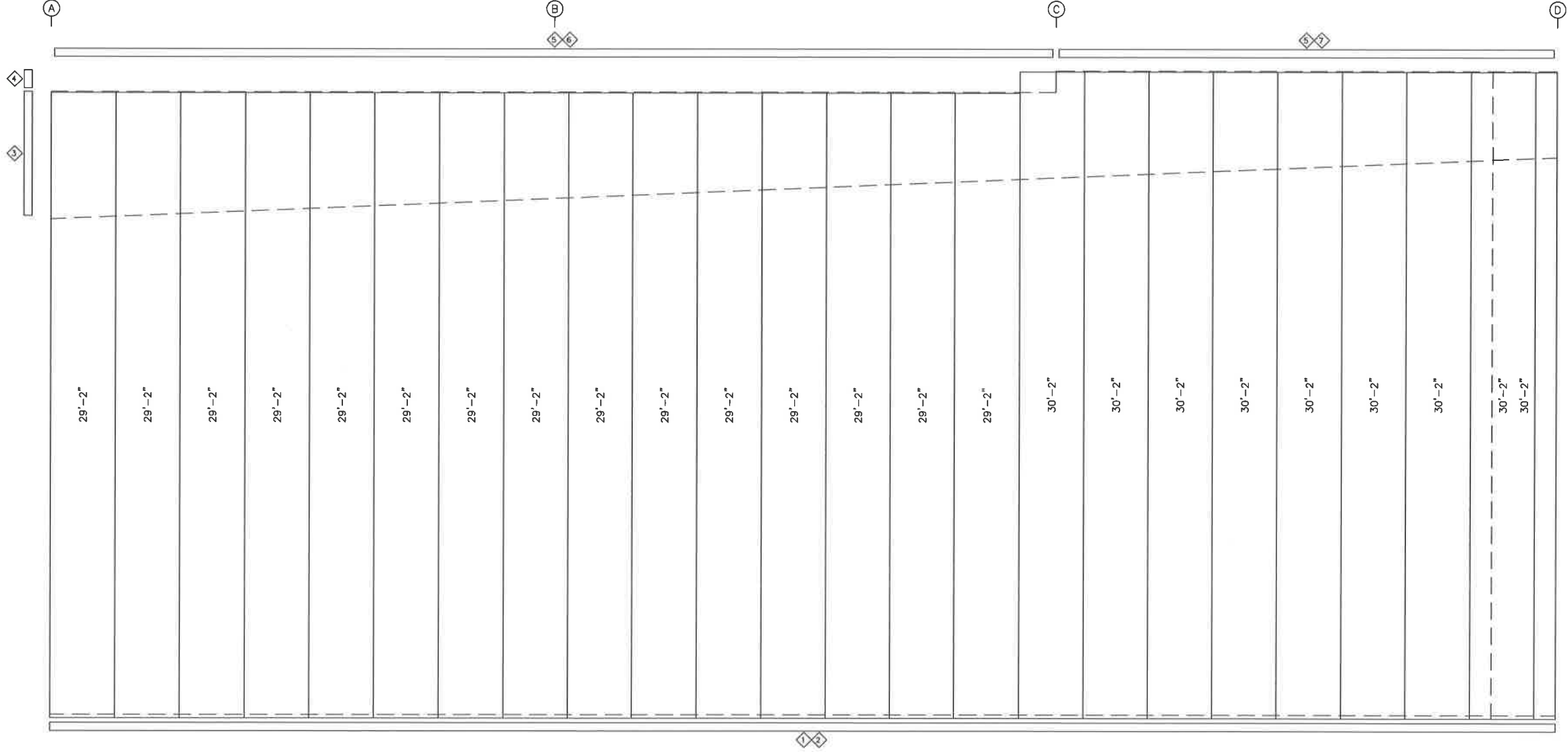


| TRIM TABLE   |      |        |          |
|--------------|------|--------|----------|
| FRAME LINE 1 |      |        |          |
| ID           | PART | LENGTH | DETAIL   |
| 1            | DTR  | 20'-3" | TRIM_117 |
| 2            | DTR  | 10'-3" | TRIM_117 |
| 3            | CTR  | 6'-2"  | TM29     |
| 4            | CTR  | 1'-3"  | TM29     |
| 5            | RFCT | 20'-3" |          |
| 6            | RFCT | 6'-9"  |          |
| 7            | RFCT | 3'-6"  |          |



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

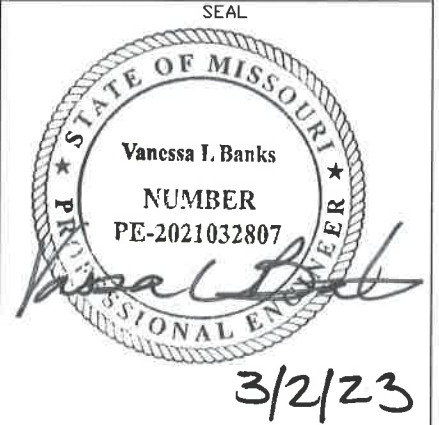
1/2"  
12



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.  
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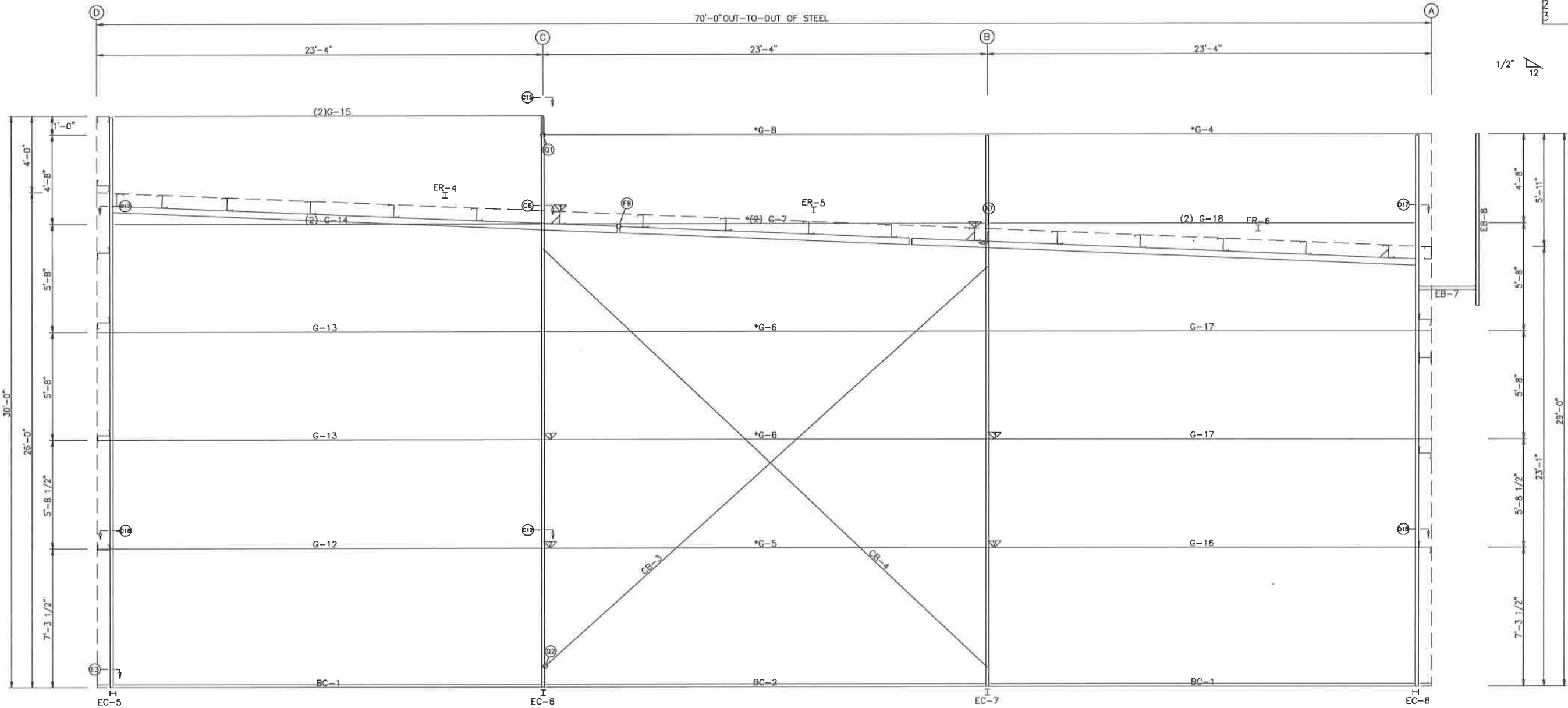
| REVISIONS |              |      |      |      |      |      | DRAWING STATUS         |         | VULCAN STEEL STRUCTURES, INC |                 | MIDWEST STEEL |            |  |
|-----------|--------------|------|------|------|------|------|------------------------|---------|------------------------------|-----------------|---------------|------------|--|
| REV.      | DESCRIPTION: | DATE | DTLR | DATE | CHKR | APPD | [ ] FOR CONSTRUCTION   | PROJECT | LOT 7 EKCIP                  | ENDWALL FRAMING |               |            |  |
|           |              |      |      |      |      |      | [X] 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      |      |       |        |        |
|-----------------|------|-------|--------|--------|
| FRAME LINE 7    |      |       |        |        |
| LOCATION        | QUAN | TYPE  | DIA    | LENGTH |
| EC-5/ER-4       | 4    | A325T | 5/8"   | 2 1/4" |
| EC-8/ER-6       | 4    | A325T | 1 1/2" | 1 1/2" |
| ER-4/ER-5       | 8    | A325T | 5/8"   | 2 1/4" |
| ER-5/ER-6       | 8    | A325T | 5/8"   | 2 1/4" |
| Int. Column/Ref | 2    | A325T | 1 1/2" | 1 1/2" |

| FLANGE BRACE TABLE |   |        |           |        |
|--------------------|---|--------|-----------|--------|
| FRAME LINE 7       |   |        |           |        |
| VID                | # | MARK   | LENGTH    | OFFSET |
| 1                  |   | FB39A  | 3'-3"     | 2'-8"  |
| 2                  |   | FB38A  | 3'-2"     | 2'-8"  |
| 3                  |   | FB38.5 | 3'-2 1/2" | 2'-8"  |

| 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"       |



\* = FLUSH MEMBER

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

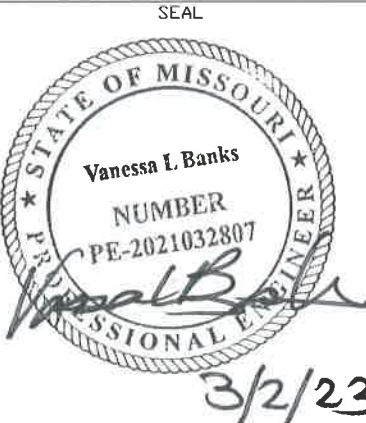
GENERAL NOTES:  
(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.  
(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          |  |
|-------------------------|--|
| [ ] FOR CONSTRUCTION    |  |
| [X] FOR PERMIT ONLY     |  |
| [ ] NOT FINAL CONST.DWG |  |
| [ ] FOR APPROVAL        |  |
| [ ] OTHER, EXPLAIN      |  |

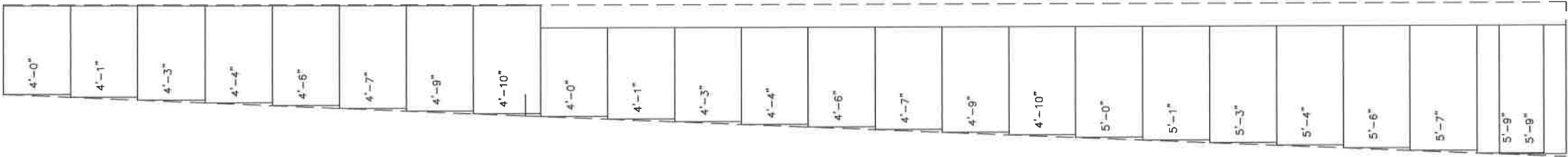
| VULCAN STEEL STRUCTURES, INC |                        |
|------------------------------|------------------------|
| PROJECT                      | LOT 7 EKCIP            |
| ID                           | 27967                  |
| PROJECT ADDRESS              | LEE'S SUMMIT, MD 64064 |

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

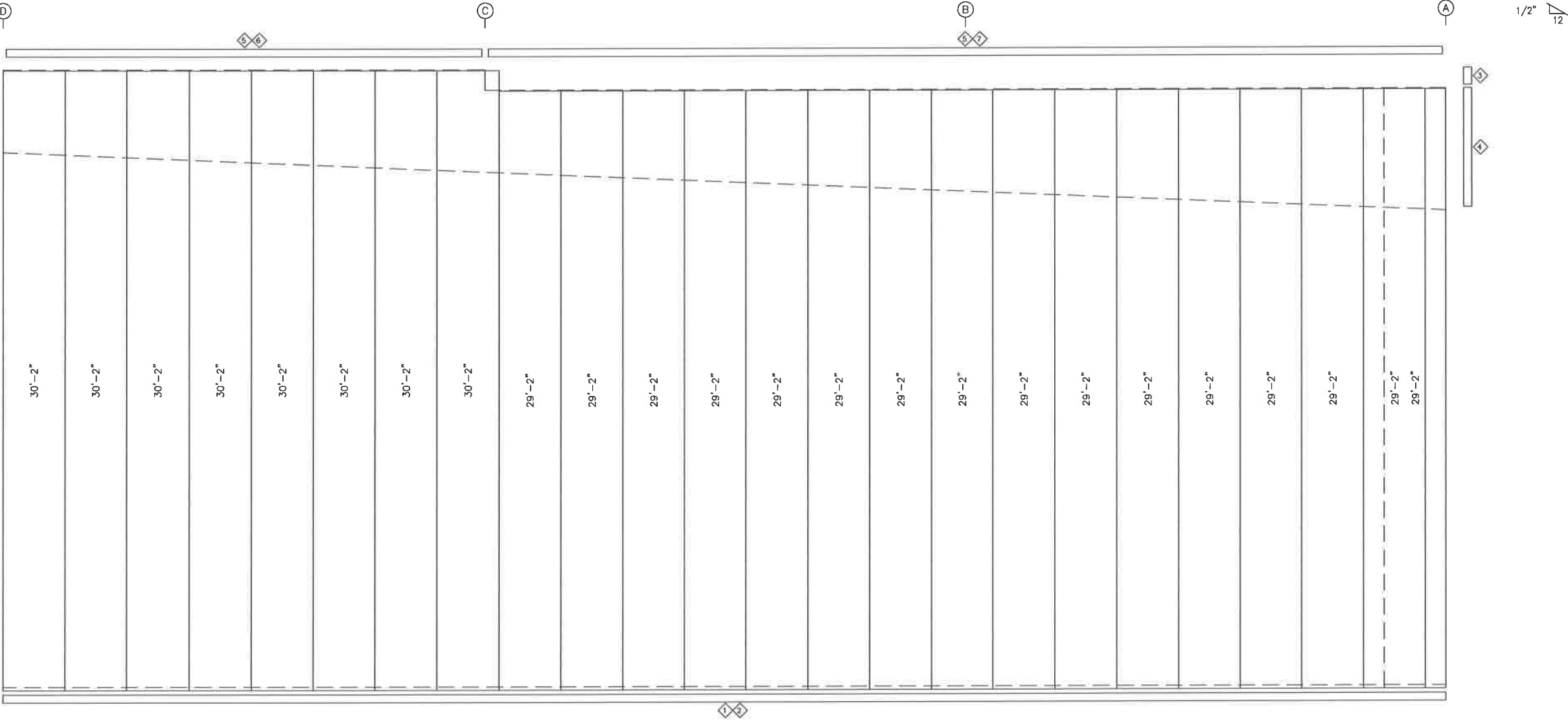




| TRIM TABLE   |      |        |          |
|--------------|------|--------|----------|
| FRAME LINE 7 |      |        |          |
| ID           | PART | LENGTH | DETAIL   |
| 1            | DTR  | 20'-3" | TRIM_117 |
| 2            | DTR  | 10'-3" | TRIM_117 |
| 3            | CTR  | 1'-3"  | TM29     |
| 4            | CTR  | 6'-2"  | TM29     |
| 5            | RFCT | 20'-3" |          |
| 6            | RFCT | 3'-6"  |          |
| 7            | RFCT | 6'-9"  |          |



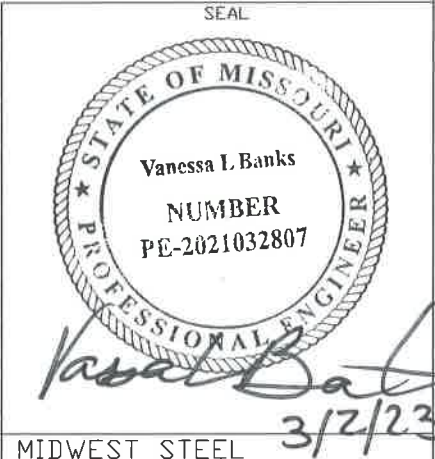
PARAPET BACK SHEETING & TRIM: LINE 7  
PANELS: 26 Ga. PBR - Galvalume

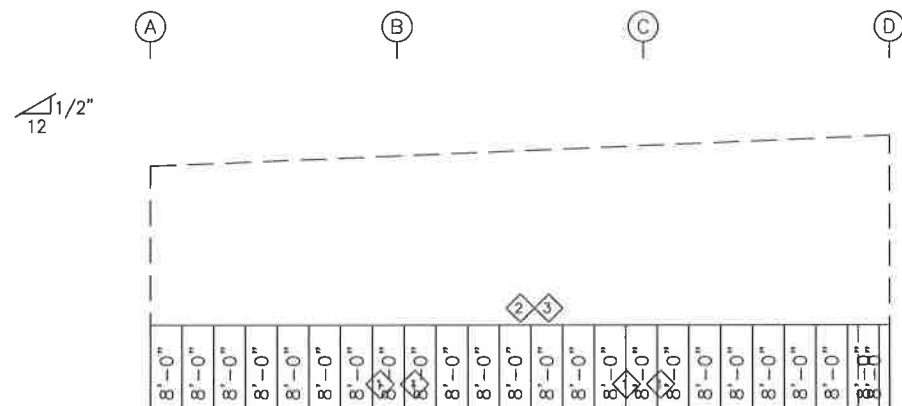


ENDWALL SHEETING & TRIM: FRAME LINE 7  
PANELS: 26 Ga. PBU - Galvalume

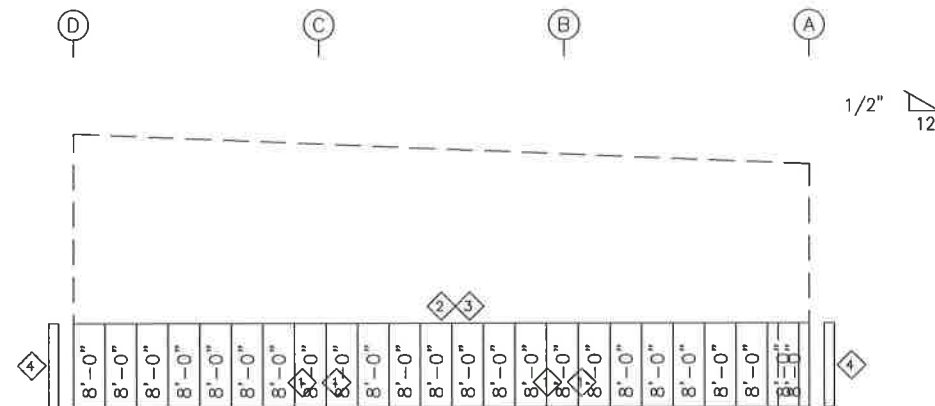
GENERAL NOTES:  
(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.  
(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 | DTLR | DATE | CHKR | APPD | <input type="checkbox"/> FOR CONSTRUCTION           | PROJECT         | LOT 7 EKCIP                  | ENDWALL FRAMING |               |            |  |
|           |              |      |      |      |      |      | <input checked="" type="checkbox"/> FOR PERMIT ONLY | ID              | 27967                        | DESIGN: ZJM     | DRAFT: KMG    | CHECK: ZJM |  |
|           |              |      |      |      |      |      | *NOT FINAL CONST.DWGS*                              | PROJECT ADDRESS | LEE'S SUMMIT, MD 64064       | DATE: 2/27/23   | SHEET 14      |            |  |
|           |              |      |      |      |      |      | <input type="checkbox"/> FOR APPROVAL               |                 |                              |                 |               |            |  |
|           |              |      |      |      |      |      | <input type="checkbox"/> OTHER, EXPLAIN             |                 |                              |                 |               |            |  |

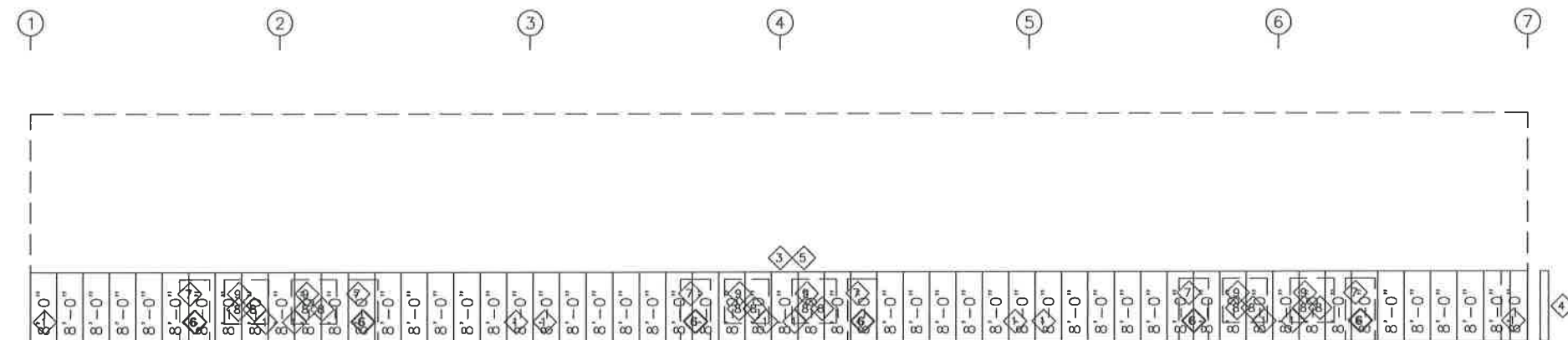




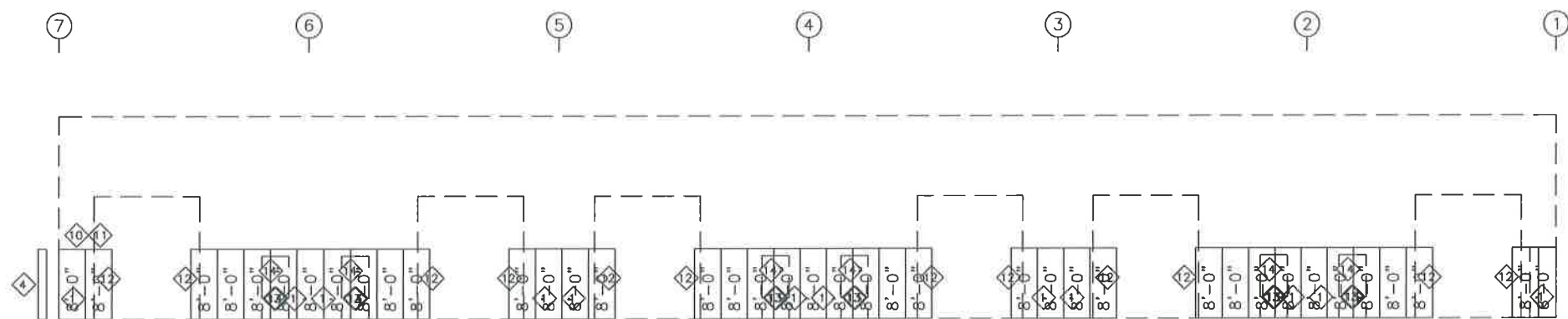
ENDWALL LINER SHEETING & TRIM: FRAME LINE 1  
PANELS: 26 Ga. PBR - Light Stone



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

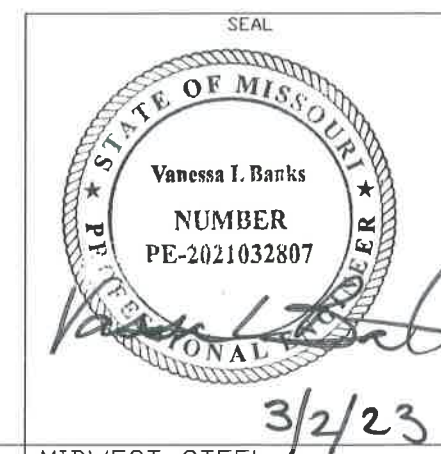
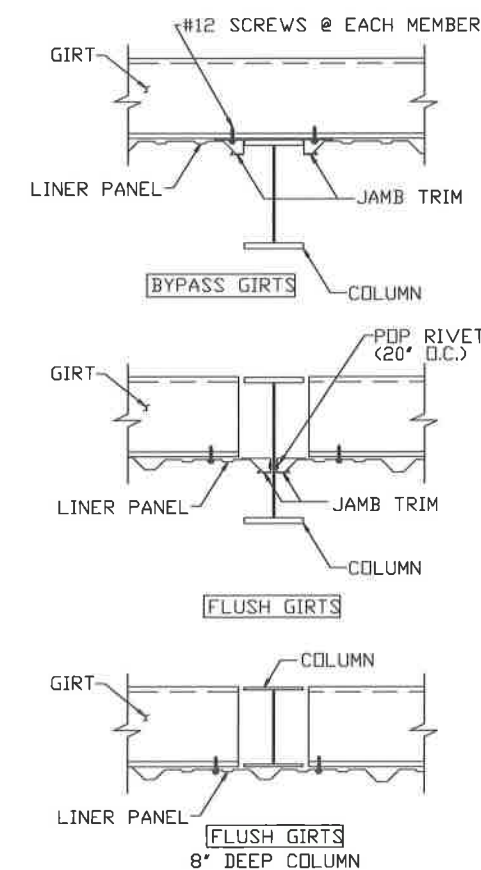


SIDEWALL LINER SHEETING & TRIM: FRAME LINE D  
PANELS: 26 Ga. PBR - Light Stone



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

| TRIM TABLE         |      |      |        |         |
|--------------------|------|------|--------|---------|
| FRAME LINE 1 D 7 A |      |      |        |         |
| ID                 | QUAN | MARK | LENGTH | DETAIL  |
| 1                  | 32   | JTR  | 8'-3"  | TRIM_31 |
| 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"  |         |



| REVISIONS |             |      |      |      |      |      |
|-----------|-------------|------|------|------|------|------|
| REV.      | DESCRIPTION | DATE | DTLR | DATE | CHKR | APPD |
|           |             |      |      |      |      |      |
|           |             |      |      |      |      |      |
|           |             |      |      |      |      |      |

| DRAWING STATUS                      |                       |
|-------------------------------------|-----------------------|
| <input type="checkbox"/>            | FOR CONSTRUCTION      |
| <input type="checkbox"/>            | FOR PERMIT ONLY       |
| <input checked="" type="checkbox"/> | NOT FINAL CONST.DWGS* |
| <input type="checkbox"/>            | FOR APPROVAL          |
| <input type="checkbox"/>            | OTHER, EXPLAIN        |

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

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