

GENERAL NOTES:

Table with 2 columns: MATERIALS, ASTM DESCRIPTION. Lists structural steel plate, hot rolled mill shapes, HHS round, HHS rectangular, cold form shapes, roof and wall sheeting, bolts, cable, rods.

2. STRUCTURAL PRIMER NOTE:

SHOP COAT PRIMER IS INTENDED TO PROTECT THE STEEL FRAMING FOR A SHORT PERIOD OF TIME. STORAGE IN EXTREME COLD TEMPERATURES OR WINTER SNOW CONDITIONS, INCLUDING TRANSPORTATION ON SALTED OR CHEMICALLY TREATED ROADS WILL ADVERSELY AFFECT THE DURABILITY AND LONGEVITY OF THE PRIMER.

3. BUILDING ERECTION NOTES:

THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT THE METAL BUILDING SYSTEM IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND EITHER MBMA OR CSA S16 STANDARDS PERTAINING TO PROPER ERECTION.

4. SPECIAL INSPECTION:

SPECIAL INSPECTIONS AND TESTING THAT MAY BE REQUIRED BY GOVERNMENTAL OR OTHER AUTHORITY DURING CONSTRUCTION AND/OR STEEL FABRICATION (COLLECTIVELY, "INSPECTIONS") ARE NOT THE RESPONSIBILITY OF THE PEMB MANUFACTURER, AND TO THE EXTENT REQUIRED IT SHALL BE THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.

5. A325 & A490 BOLT TIGHTENING REQUIREMENTS:

IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE REGULATIONS. FOR PROJECTS IN THE UNITED STATES, SEE THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS OR FOR PROJECTS IN CANADA, SEE THE CAN/CSA S16 LIMIT STATES DESIGN OF STEEL STRUCTURES FOR MORE INFORMATION.

THE FOLLOWING CRITERIA MAY BE USED TO DETERMINE THE BOLT TIGHTNESS (I.E., "SNUG-TIGHT" OR "FULLY-PRETENSIONED"), UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR CONTRACT REQUIREMENTS:

- A) ALL A490 BOLTS SHALL BE "FULLY-PRETENSIONED".
B) ALL A325 BOLTS IN PRIMARY FRAMING (RIGID FRAMES AND BRACING) MAY BE "SNUG-TIGHT", EXCEPT AS FOLLOWS: "FULLY-PRETENSION" A325 BOLTS IF:
a) BUILDING SUPPORTS A CRANE SYSTEM WITH A CAPACITY GREATER THAN 5 TONS.
b) BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT, OR STRESS-REVERSALS ON THE CONNECTIONS. THE ENGINEER-OF-RECORD FOR THE PROJECT SHOULD BE CONSULTED TO EVALUATE FOR THIS CONDITION.
c) THE PROJECT SITE IS LOCATED IN A HIGH SEISMIC AREA. FOR IBC-BASED CODES, "HIGH SEISMIC AREA" IS DEFINED AS "SEISMIC DESIGN CATEGORY" OF "D", "E", OR "F". SEE THE "BUILDING LOADS" SECTION ON THIS PAGE FOR THE DEFINED SEISMIC DESIGN CATEGORY FOR THIS PROJECT.
d) ANY CONNECTION DESIGNATED IN THESE DRAWINGS AS "A325-SC", "SLIP-CRITICAL (SC)" CONNECTIONS MUST BE FREE OF PAINT, OIL, OR OTHER MATERIALS THAT REDUCE FRICTION AT CONTACT SURFACES. GALVANIZED OR LIGHTLY-RUSTED SURFACES ARE ACCEPTABLE.
C) IN CANADA, ALL A325 AND A490 BOLTS SHALL BE "FULLY-PRETENSIONED", EXCEPT FOR SECONDARY MEMBERS (PURLINS, GIRTS, OPENING FRAMING, ETC.) AND FLANGE BRACES.

SECONDARY MEMBERS (PURLINS, GIRTS, OPENING FRAMING, ETC.) AND FLANGE BRACE CONNECTIONS MAY ALWAYS BE "SNUG-TIGHT", UNLESS INDICATED OTHERWISE IN THESE DRAWINGS.

6. GENERAL DESIGN NOTES:

- 1) ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH ANSI/AISC 360 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" OR THE CAN/CSA S16 "LIMIT STATES DESIGN OF STEEL STRUCTURES", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
2) ALL WELDING OF STRUCTURAL STEEL IS BASED ON EITHER AWS D1.1 "STRUCTURAL WELDING CODE - STEEL" OR CAN/CSA W59 "WELDED STEEL CONSTRUCTION (METAL ARC WELDING)", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
3) ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH ANSI/AISI S100 OR CAN/CSA S136 "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
4) ALL WELDING OF COLD FORMED STEEL IS BASED ON AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL" OR CAN/CSA W59 "WELDED STEEL CONSTRUCTION (METAL ARC WELDING)", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
5) ALL NUCOR BUILDING GROUP FACILITIES ARE IAS AC-472 ACCREDITED FOR DESIGN AND FABRICATION OF METAL BUILDING SYSTEMS. FOR PROJECTS IN CANADA, DESIGN AND FABRICATION ARE DONE ONLY IN FACILITIES THAT ARE ALSO CAN/CSA A660 AND W47.1 CERTIFIED.
6) IF JOISTS ARE INCLUDED WITH THIS PROJECT, THEY ARE SUPPLIED AS A PART OF THE SYSTEMS ENGINEERED METAL BUILDING AND ARE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1926.758 OF THE OSHA SAFETY STANDARDS FOR STEEL ERECTION, DATED JANUARY 18, 2001.
7) COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED THE ALLOWABLE BEARING STRESS OF CONCRETE THAT HAS A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 03/09/2023 11:24:49

BUILDING INFORMATION

PRIMER COLORS

PRIMARY PRIMER COLOR: GRAY SECONDARY PRIMER COLOR: GRAY

ROOF SHEETING

TYPE: CR GAUGE: 26 FINISH: Midnight Black PVDF CLIP TYPE: N/A
THERMAL BLOCKS: No EPS FOAM SPACER: No ROOF LINE TRIM, PAINTED: Midnight Black PVDF
YES DOWNSPOUTS PAINTED: Midnight Black PVDF GUTTERS PAINTED: Midnight Black PVDF
YES INSULATION 6 INCH (NOT BY MBS)
YES PIPE JACKS, SIZE: QUANTITY:
YES RIDGE VENTS, 10'-0" LONG X 9" THROAT. QUANTITY:
YES ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES
YES COMPOSITE CFR DECK, TYPE: N/A GAUGE: FINISH:

WALL SHEETING

TYPE: CW GAUGE: 26 FINISH: Polar White SP
CORNER TRIM, PAINTED: Midnight Black PVDF BASE TRIM, PAINTED: Midnight Black PVDF
YES WALKDOORS, QUANTITY: PAINTED:
YES WINDOWS, QUANTITY: PAINTED:
YES INSULATION 4 INCH (NOT BY MBS)

WALL FRAMED OPENINGS

YES FRAMED OPENING TRIM, PAINTED: Midnight Black PVDF
SIZES: FSW: none
BSW: (1) 16'-0" x 16'-0"
LEW: none
REW: (1) 20'-0" x 16'-0"

BUILDING OPTIONS

YES LINER PANELS
FRAMED OPENING TRIM, PAINTED:
WALL: TYPE: GAUGE: FINISH: WALL TRIM, PAINTED:
CEILING: TYPE: GAUGE: FINISH:
YES TRANSLUCENT PANELS
WALL:
ROOF:
INSULATED PANELS? YES NO
YES EAVE EXTENSION
PROJ: TYPE: GAUGE: FINISH: SOFFIT TRIM AT BUILDING LINE PAINTED:
YES RAKE EXTENSION
PROJ: TYPE: GAUGE: FINISH: SOFFIT TRIM AT BUILDING LINE PAINTED:
YES CANOPY
AT EAVE LINE BELOW EAVE PROJECTION: CLEAR UNDER CANOPY BEAM:
ROOF PANEL: TYPE: GAUGE, FINISH:
SOFFIT PANEL: TYPE: GAUGE, FINISH: SOFFIT TRIM AT BUILDING LINE PAINTED:
YES PARTITION WALLS
WALL PANEL: TYPE: GAUGE, FINISH: TRIM PAINTED:
YES WAINSCOT
WALL PANEL: TYPE: CW 26 GAUGE, FINISH: Midnight Black PVDF
BASE TRIM PAINTED: Midnight Black PVDF JAMB TRIM PAINTED: Midnight Black PVDF
YES FASCIA
PROJ: TOP OF FASCIA HEIGHT:
FACE PANEL, TYPE: GAUGE, FINISH: CAP TRIM PAINTED:
BACK PANEL, TYPE: GAUGE, FINISH: BASE TRIM PAINTED:
CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM:
SOFFIT PANEL, TYPE: GAUGE, FINISH: SOFFIT TRIM AT BUILDING LINE PAINTED:
OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED) CLEAR UNDER SOFFIT TRIM:
YES PARAPET
STRUCTURAL PARAPET NON-STRUCTURAL PARAPET TOP OF PARAPET HEIGHT:
BACK PANEL, TYPE: GAUGE, FINISH:
YES CRANES (SEE CRANE PLAN FOR ADDITIONAL INFORMATION)
YES MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL INFORMATION)

THE DRAWINGS AND THE METAL BUILDING THEY REPRESENT ARE THE PRODUCT OF THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER'S SEAL PERTAINS ONLY TO THE REQUIREMENTS LISTED HEREIN FOR THE MATERIALS DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED OR ENGAGED BY THE METAL BUILDING MANUFACTURER AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

7. GLOSSARY OF ABBREVIATIONS:

A.B. = ANCHOR BOLTS
BS = BOTH SIDES
B.U. = BUILT-UP
DIA = DIAMETER
FLG = FLANGE
F.S = FAR SIDE
GA. = GAUGE
H.S.B. = HIGH STRENGTH BOLTS
HT. = HEIGHT
LLV = LONG LEG VERTICAL
PEMB = PRE-ENGINEERED METAL BUILDING MANUFACTURER
?? = PART MARK TO BE DETERMINED AND WILL BE UPDATED ON CONSTRUCTION DRAWINGS
MAX = MAXIMUM
M.B. = MACHINE BOLTS
MBS = METAL BUILDING SUPPLIER
TBD = TO BE DETERMINED
N/A = NOT APPLICABLE
NIC = NOT IN CONTRACT
SLV = SHORT LEG VERTICAL
O.A.L. = OVERALL LENGTH
O.C. = ON CENTER
U.N.O. = UNLESS NOTED OTHERWISE
REV. = REVISION
SIM = SIMILAR
SL = STEEL LINE
N.S. = NEAR SIDE
MIN. = MINIMUM
TYP = TYPICAL
PL = PLATE

ERECTOR NOTE:

ALTERNATE FASTENERS HAVE BEEN SUBSTITUTED ON THIS BUILDING. WHERE THE DRAWINGS INDICATE AN H1040 STRUCTURAL FASTENER, H1041 FASTENERS WITH WASHERS HAVE BEEN SUPPLIED. WHERE THE DRAWINGS INDICATE AN H1060 TRIM FASTENER, H1061 FASTENERS WITH WASHERS HAVE BEEN SUPPLIED.

Table with 2 columns: ERECTION MANUALS REQUIRED (ERECTION MANUALS ARE SHIPPED IN A WAREHOUSE PACKING CRATE). Rows include CFR ROOF, H9700 OR H8260, SINGLE CURB (H9850), CLASSIC ROOF, H9420 OR H8201, DOUBLE CURB (H9800), VR16 II (H9925).

BUILDING LOADS

DESIGN CODE: IBC 2018
ROOF LIVE LOAD: 20.00 PSF MBMA OCC. CLASS: II
LIVE LOAD REDUCIBLE No
GROUND SNOW LOAD: 20.0 PSF SNOW EXP. FACTOR, Ce: 1.00
SNOW IMPORTANCE FACTOR, Is: 1.00
100 YEAR RAINFALL INTENSITY (IN/HR): 3.500
WIND: 115 / 89 MPH (Vult) / (Vasd)
C & C PRESSURES (PSF): 30 / -40
EXPOSURE: C
UL 90 NO
Classic Roof-Const. No.161 ; Classic Roof w/ Translucent Panel-Const. No.167
CFR Roof-Const. No.552 ; CFR Roof w/ Translucent Panel-Const. No.590 ;
Composite CFR Roof-Const. No.552A ; VR16 II Roof-Const. No.332 .
SEISMIC INFORMATION Ss: 0.100 S1: 0.068
Design Sds/Sd1: 0.107 / 0.109 Site Class: D
Seismic Imp. Factor: 1.00 Seismic Design Category: B
Analysis Procedure: Equivalent Lateral Force Method
Basic SFRS: Not Detailed for Seismic

NOTES:

- 1) COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC., ARE SUSPENDED FROM ROOF MEMBERS, CONSULT THE M.B.S. IF THESE CONCENTRATED LOADS EXCEED 500 POUNDS (USING THE WEB MOUNT DETAIL) OR 200 POUNDS (USING THE FLANGE MOUNT DETAIL), OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.
2) THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING GRAVITY LOADS IS CONTROLLED BY THE MORE CRITICAL EFFECT OF ROOF LIVE LOAD OR ROOF SNOW LOAD, AS DETERMINED BY THE APPLICABLE CODE.
3) Pm IS BASED ON THE MINIMUM ROOF SNOW LOAD CALCULATED PER BUILDING CODE OR THE CONTRACT SPECIFIED SNOW LOAD, WHICHEVER IS GREATER. THIS VALUE, Pm, IS ONLY APPLIED IN COMBINATION WITH THE DEAD AND COLLATERAL LOADS. ROOF SNOW IN OTHER LOADING CONDITIONS IS DETERMINED PER THE SPECIFIED BUILDING CODE.

Table with 2 columns: BUILDING. Rows include ROOF DEAD (PSF): 3.00, ROOF SNOW Pm (PSF): 20.00, PRI. COL. (PSF): 1.00, WIND ENCLOSURE: Closed, SEC. COL. (PSF): 1.00, GCp: +/-0.18, SNOW Ct: 1.00, SEISMIC R: 3.00, SNOW Cs: 1.00, SEISMIC Cs: 0.036, ROOF SNOW Ps (PSF): 14.00, BASE SHEAR (KIPS): 2.16

DRAWING INDEX

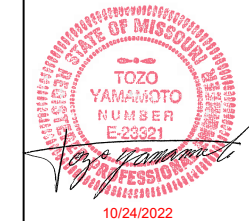
Table with 2 columns: DRAWING INDEX. Rows include COVERSHEET C1, ANCHOR BOLT DRAWINGS F1, F2, COLUMN BASE REACTIONS R1, STRUCTURAL/SHEETING DRAWINGS E1 - E6, DETAILS D1 - D8



Table with 4 columns: DATE, PER, ENG, CHK, DWG, MBS, ARK, ARHR, TY, 10/12/2022, 10/12/2022, 10/20/2022. Includes ANCHOR BOLTS, PERMITS, FINALS.

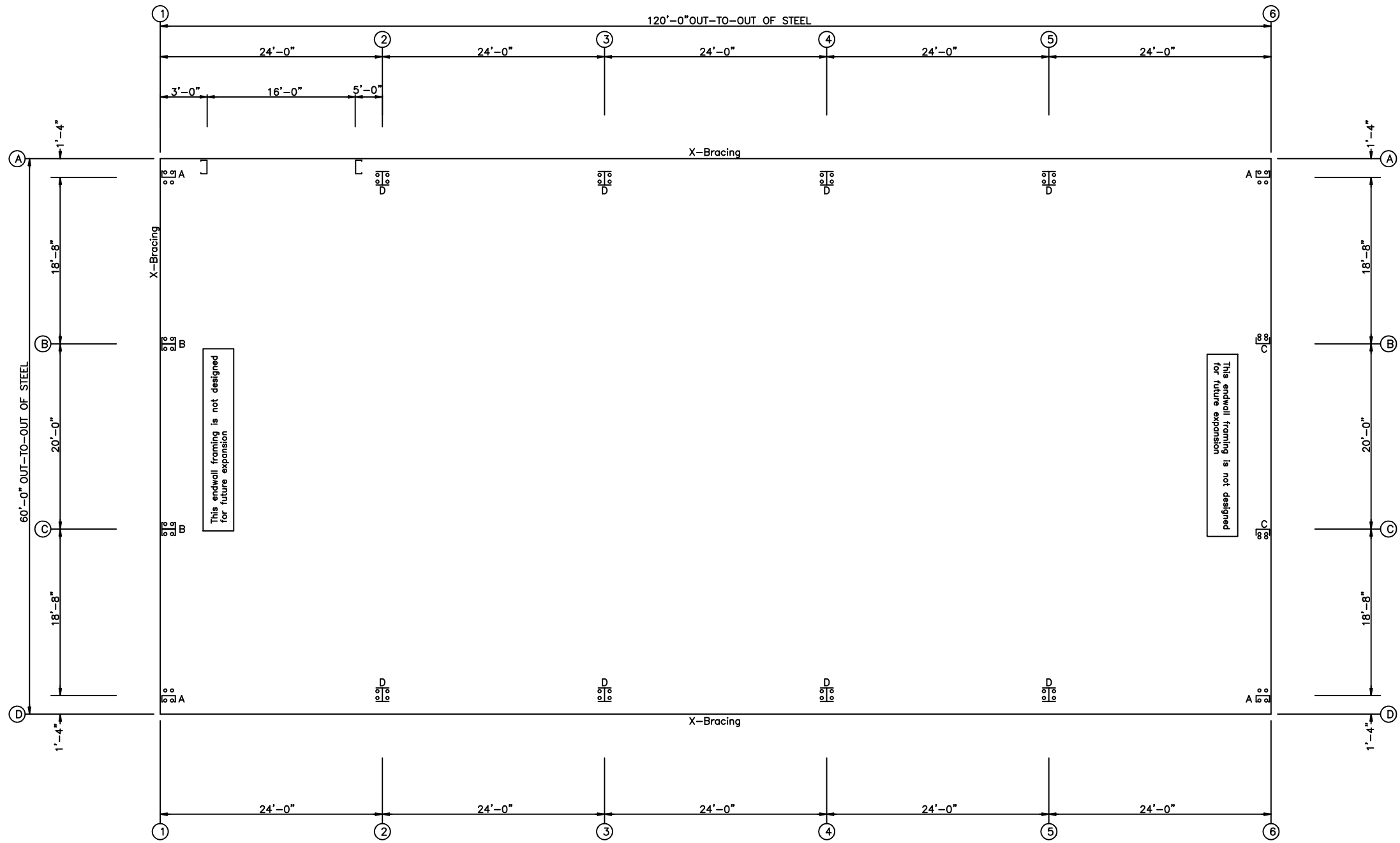
TOPLINE STEEL BUILDINGS
13323 SW BUTLER ROAD
ROSE HILL, KS 67133
PHONE (800) 368-3882

PROJECT NAME: METRO DUMPSTER
2620 SE RANSON RD, LEE'S SUMMIT, MO 64082
CUSTOMER NAME: METRO DUMPSTER
LEE'S SUMMIT, MO 64082
JOB NUMBER: T2208017A
SHEET TITLE: SHEET



This seal remains only in the hands of the registered professional engineer who designed and supplied the metal building. The drawings and the metal building which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer of record and shall not be construed as such.





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

ANCHOR BOLT SUMMARY				
Qty	Locate	Dia (in)	Type	Proj (in)
32	Endwall	3/4"	F1554	3.00
32	Frame	3/4"	F1554	3.00

**ANCHOR BOLT PLAN**

GENERAL NOTES

1. THE SPECIFIED ANCHOR ROD DIAMETER ASSUMES F1554 GRADE 36 UNLESS NOTED OTHERWISE. ANCHOR ROD MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER. ANCHOR ROD EMBEDMENT LENGTH SHALL BE DETERMINED BY THE FOUNDATION DESIGN ENGINEER.
2. METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR PROJECT FOUNDATION DESIGN. THE FOUNDATION DESIGN IS THE RESPONSIBILITY OF A REGISTERED PROFESSIONAL ENGINEER, FAMILIAR WITH LOCAL SITE CONDITIONS.
3. ANCHOR RODS, NUTS, FLAT WASHERS FOR ANCHOR RODS, EXPANSION BOLTS, AND CONCRETE/MASONRY EMBEDMENT PLATES ARE NOT BY METAL BUILDING MANUFACTURER.
4. THE ANCHOR ROD LOCATIONS PROVIDED BY METAL BUILDING MANUFACTURER SATISFY PERTINENT REQUIREMENTS FOR THE DESIGN OF THE MATERIALS SUPPLIED BY THE METAL BUILDING MANUFACTURER. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO MAKE CERTAIN THAT SUFFICIENT EDGE DISTANCE IS PROVIDED FOR ALL ANCHOR RODS IN THE DETAILS OF THE FOUNDATION DESIGN.
5. DRAWINGS ARE NOT TO SCALE. SEE DETAILS FOR COLUMN ORIENTATION.
6. THE ANCHOR ROD PLAN INDICATES WHERE THE ANCHOR RODS ARE TO BE PLACED AS WELL AS THE FOOTPRINT OF THE METAL BUILDING. IT IS ESSENTIAL THAT THESE ANCHOR ROD PATTERNS BE FOLLOWED. IF THESE SETTINGS DIFFER FROM THE ARCHITECTURAL FOUNDATION PLANS, THE METAL BUILDING MANUFACTURER MUST BE CONTACTED IMMEDIATELY - BEFORE CONCRETE IS PLACED.
7. "SINGLE" CEE COLUMNS SHALL BE ORIENTED WITH THE "TOES" TOWARD THE LOW LEAVE UNLESS NOTED OTHERWISE.
8. ALL DIMENSIONS ARE OUT TO OUT OF STEEL. IF CONCRETE NOTCH IS REQUIRED THEN THE REQUIRED DIMENSION SHOULD BE ADDED TO OBTAIN THE OUT TO OUT OF CONCRETE DIMENSIONS.
9. FINISHED FLOOR ELEVATION = 100'-0"  
 BOTTOM OF BASE PLATE = 100'-0"  
 UNLESS NOTED OTHERWISE.

DATE	BY	CHK	ENG	PE
10/12/2022	TY	ARK	ARK	TY
10/12/2022	TY	ARK	ARK	TY
10/20/2022	TY	WLR	WLR	TY

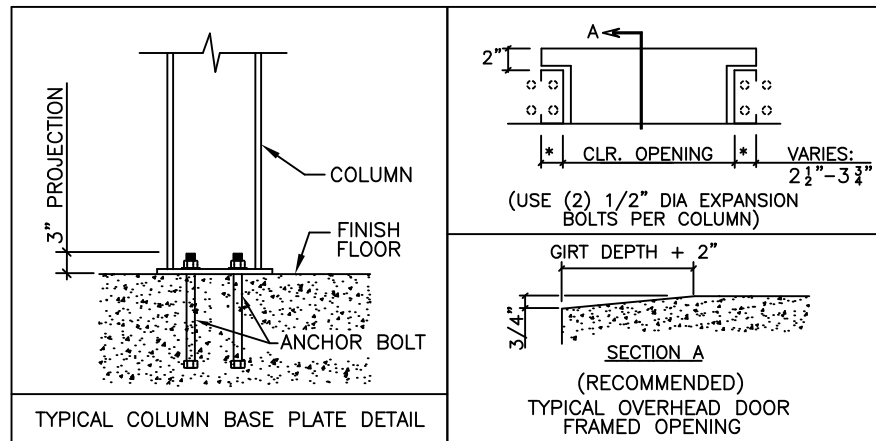
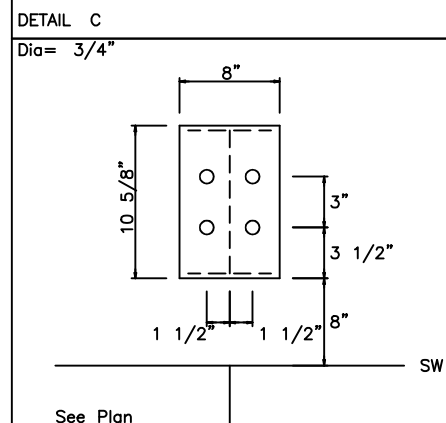
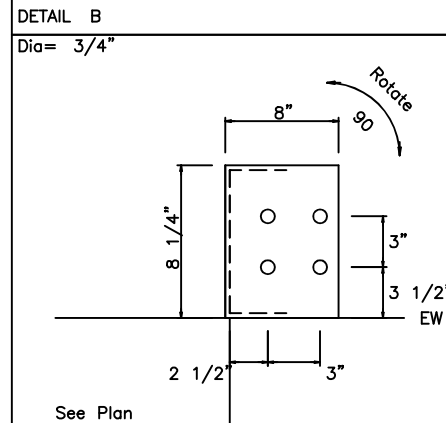
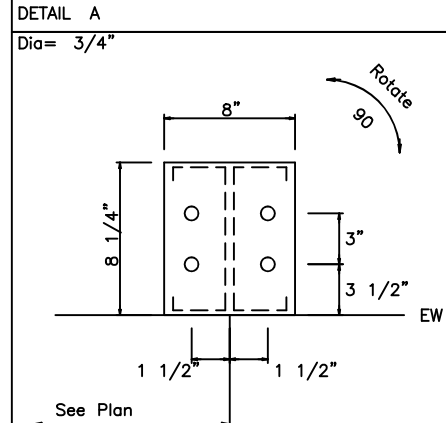
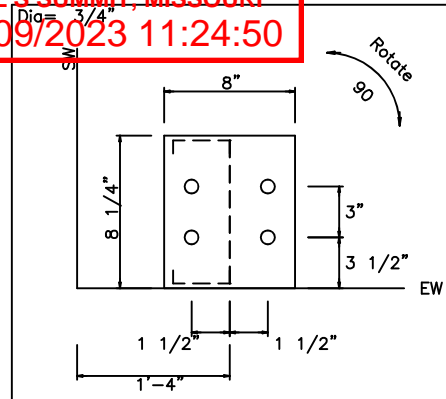
ISSUE	ANCHOR BOLTS	PERMITS	FINALS

PROJECT NAME	TOPLINE STEEL BUILDINGS
METRO DUMPSTER	13323 SW BUTLER ROAD
2620 SE RANSON RD, LEE'S SUMMIT, MO 64082	ROSE HILL, KS 67133
CUSTOMER NAME	PHONE (800) 369-3882
METRO DUMPSTER	
LEE'S SUMMIT, MO 64082	
JOB NUMBER	T2208017A
SHEET TITLE	

<p><small>This seal remains only in the records of the professional engineer who prepared the drawings and is not to be removed. The drawings and the metal buildings which they represent are the property of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the professional engineer of record and shall not be construed as such.</small></p>	<p><b>F1</b></p> <p>SHEET</p>
---	-------------------------------



**FOUNDATION DESIGN NOTES:**

1. THE ORIENTATION OF THE ANCHOR BOLT DETAILS SHOWN ON THIS PAGE MAY NOT COINCIDE WITH THE ACTUAL COLUMN ORIENTATION SHOWN ON THE ANCHOR BOLT DRAWING. PLEASE REFERENCE THE SIDEWALL (SW) AND ENDWALL (EW) STEEL LINES SHOWN ON THE ANCHOR BOLT DETAILS WITH THE ANCHOR BOLT PLAN DURING LAYOUT OF COLUMN AND ANCHOR BOLT LOCATIONS.
2. COLUMN BASE PLATES MAY HAVE MORE HOLES THAN ARE REQUIRED DUE TO PRODUCTION LIMITATIONS. PLEASE FOLLOW ANCHOR BOLT DETAILS FOR QUANTITY OF ANCHOR BOLTS REQUIRED. EXTRA BASE PLATE HOLES DO NOT NEED INFILLED PER THE MBS DESIGN SPECIFICATIONS.

ISSUE	DATE	CHK	ENG	PE
ANCHOR BOLTS	10/12/2022	ARK	ARK	TY
PERMITS	10/12/2022	ARK	ARK	TY
FINALS	10/20/2022	WLR	ARK	TY

**PROJECT NAME**  
**TOPLINE STEEL BUILDINGS**

**CUSTOMER NAME**  
2620 SE RANSON RD, LEE'S SUMMIT, MO 64082

**JOB NUMBER**  
T2208017A

**PHONE**  
(800) 369-3882

**PROJECT NAME**  
**METRO DUMPSTER**

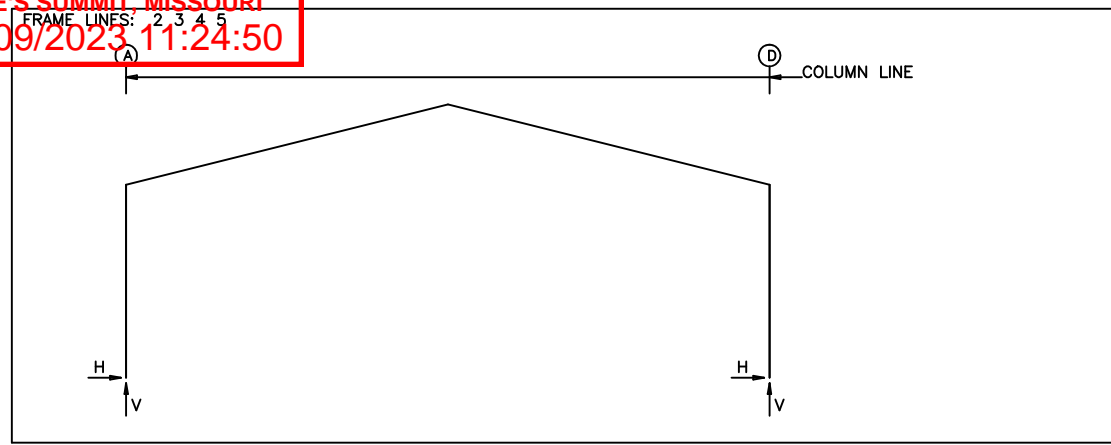
**CUSTOMER NAME**  
2620 SE RANSON RD, LEE'S SUMMIT, MO 64082

**JOB NUMBER**  
T2208017A

**SHEET TITLE**  
**F2**

This seal remains only for the professional engineer's use and is not to be reproduced or used in any other manner without the written consent of the professional engineer. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the professional engineer of record and shall not be construed as such.





**RIGID FRAME: ANCHOR BOLTS & BASE PLATES**

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in)			Elev. (in)
				Width	Length	Thick	
2*	A	4	0.750	8.000	10.63	0.375	0.0
2*	D	4	0.750	8.000	10.63	0.375	0.0

2\* Frame lines: 2 3 4 5

**ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES**

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in)			Elev. (in)
				Width	Length	Thick	
1	A	4	0.750	8.000	8.250	0.375	0.0
1	B	4	0.750	8.000	8.250	0.375	0.0
1	C	4	0.750	8.000	8.250	0.375	0.0
1	D	4	0.750	8.000	8.250	0.375	0.0
6	D	4	0.750	8.000	8.250	0.375	0.0
6	C	4	0.750	8.000	8.250	0.375	0.0
6	B	4	0.750	8.000	8.250	0.375	0.0
6	A	4	0.750	8.000	8.250	0.375	0.0

**GENERAL NOTES**

- ALL LOADING CONDITIONS ARE EXAMINED. THE MAXIMUM AND MINIMUM HORIZONTAL (H) AND VERTICAL (V) REACTIONS AND THE CORRESPONDING VERTICAL (V) OR HORIZONTAL (H) REACTIONS ARE REPORTED.
- REACTIONS ARE PROVIDED BY LOAD CASE IN ORDER TO AID THE FOUNDATION ENGINEER IN DETERMINING THE APPROPRIATE LOAD FACTORS AND COMBINATIONS TO BE USED WITH EITHER WORKING STRESS OR ULTIMATE STRENGTH DESIGN METHODS. WIND LOAD CASES ARE GIVEN FOR EACH PRIMARY WIND DIRECTION.
- FOR ASCE7-10 AND LATER BASED BUILDING CODES, THE UNFACTORED LOAD CASE REACTIONS DUE TO WIND ARE GENERATED USING THE ULTIMATE DESIGN WIND SPEED ( $V_{ult}$ ).
- POSITIVE (+) REACTIONS ARE AS SHOWN ABOVE. FOUNDATION LOADS ARE IN OPPOSITE DIRECTIONS.
- BRACING REACTIONS ARE IN THE PLANE OF THE BRACE WITH THE HORIZONTAL REACTION (H) ACTING AWAY FROM THE BRACED BAY AND THE VERTICAL REACTION (V) ACTING DOWNWARD.

\*\*\*\*\* RIGID FRAME LOAD CASE ABBREVIATIONS: \*\*\*\*\*  
 Wind\_L1/Wind\_R1: LATERAL WIND FROM THE LEFT/RIGHT, CASE 1  
 Wind\_L2/Wind\_R2: LATERAL WIND FROM THE LEFT/RIGHT, CASE 2  
 Wind\_Ln1/Wind\_Ln2: LONGITUDINAL WIND, CASE 1/2  
 Seismic\_L/Seismic\_R: LATERAL SEISMIC LOAD FROM LEFT/RIGHT  
 LWIND#\_L/E/LWIND#\_R/E: LONGITUDINAL WIND EDGE ZONES  
 F#UNB\_SL\_L/F#UNB\_SL\_R: UNBALANCED ROOF SNOW WITH WIND FROM LEFT/RIGHT  
 F#PAT\_LL #/F#PAT\_SL #: PARTIAL LIVE/SNOW LOADING FOR CONTINUOUS BEAM SYSTEMS

\*\*\*\*\* ENDWALL COLUMN LOAD CASE ABBREVIATIONS: \*\*\*\*\*  
 Collat: COLLATERAL LOAD  
 Rafter Wind\_L/Rafter Wind\_R: LATERAL WIND FROM THE LEFT/RIGHT  
 Brace Wind\_L/Brace Wind\_R: LATERAL WIND FROM THE LEFT/RIGHT  
 Wind\_P/Wind\_S: LONGITUDINAL WIND PRESSURE/SUCTION ON COLUMNS  
 Wind\_Ln: LONGITUDINAL WIND SUCTION ON ROOF  
 Seis\_L/Seis\_R: LATERAL SEISMIC LOAD FROM LEFT/RIGHT  
 E#UNB\_SL\_L/E#UNB\_SL\_R: UNBALANCED ROOF SNOW WITH WIND FROM LEFT/RIGHT  
 E#PAT\_LL #/E#PAT\_SL #: PARTIAL LIVE/SNOW LOADING FOR CONTINUOUS BEAM SYSTEMS

**RIGID FRAME: BASIC COLUMN REACTIONS (k)**

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
2*	A	1.5	3.2	0.4	0.8	7.8	15.1	5.4	10.6	-11.8	-17.3	-0.4	-11.1
2*	D	-1.5	3.2	-0.4	0.8	-7.8	15.1	-5.4	10.6	0.4	-11.1	11.8	-17.3

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
2*	A	-10.9	-10.4	0.6	-4.2	-1.8	-14.6	-3.3	-12.6	-0.4	-0.2	0.4	0.2
2*	D	-0.6	-4.2	10.9	-10.4	3.3	-12.6	1.8	-14.6	-0.4	0.2	0.4	-0.2

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F1UNB_SL_L Horiz	F1UNB_SL_L Vert	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
2*	A	7.8	15.1	4.7	10.4	4.7	6.2
2*	D	-7.8	15.1	-4.7	6.2	-4.7	10.4

2\* Frame lines: 2 3 4 5

**ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)**

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Vert	Wind_Right1 Vert	Wind_Left2 Vert	Wind_Right2 Vert	Wind Press Horiz	Wind Suct Horiz	Wind Long1 Vert	Wind Long2 Vert
1	A	0.5	0.1	1.9	1.3	-3.2	-2.0	-1.8	-0.5	-2.2	2.5	-3.7	-2.7
1	B	1.4	0.3	5.7	4.0	-7.8	-5.5	-5.8	-3.4	-5.4	5.9	-7.4	-3.9
1	C	1.4	0.3	5.7	4.0	-4.5	-8.1	-2.4	-6.2	-5.4	5.9	-4.1	-6.9
1	D	0.5	0.1	1.9	1.3	-3.0	-2.9	-1.5	-1.4	-2.2	2.5	-2.6	-4.1

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	MIN_SNOW Horiz	E1UNB_SL_L Horiz	E1UNB_SL_R Horiz
1	A	0.0	0.1	0.0	1.9	0.0
1	B	0.0	-0.1	0.0	5.7	0.0
1	C	0.0	0.0	0.0	5.7	0.0
1	D	0.0	0.0	0.0	1.9	0.0

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Vert	Wind_Right1 Vert	Wind_Left2 Vert	Wind_Right2 Vert	Wind Press Horiz	Wind Suct Horiz	Wind Long1 Vert	Wind Long2 Vert
6	D	0.6	0.1	2.5	1.8	-2.9	-2.2	-1.6	-1.1	-2.2	2.5	-3.2	-2.4
6	C	1.2	0.9	5.1	3.6	-8.1	-5.3	-6.0	-2.8	-5.4	5.9	-7.9	-4.2
6	B	1.2	0.9	5.1	3.6	-5.3	-8.1	-2.8	-6.0	-5.4	5.9	-4.2	-7.9
6	A	0.6	0.1	2.5	1.8	-2.2	-2.9	-1.1	-1.6	-2.2	2.5	-2.4	-3.2

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	MIN_SNOW Horiz	E2UNB_SL_L Horiz	E2UNB_SL_R Horiz
6	D	0.0	0.0	0.0	2.5	0.0
6	C	0.0	0.0	0.0	5.1	0.0
6	B	0.0	0.0	0.0	5.1	0.0
6	A	0.0	0.0	0.0	2.5	0.0

**BUILDING BRACING REACTIONS**

Wall Loc	Col Line	± Reactions(k)				Panel Shear (lb/ft)		Note
		Wind Horiz	Wind Vert	Seismic Horiz	Seismic Vert	Wind	Seis	
L_EW	1	AB	2.6	3.0	0.3	0.3		
F_SW	D	3,4	6.5	4.3	1.1	0.8		
R_EW	6							(i)
B_SW	A	4,3	6.5	4.3	1.1	0.8		

(i)Bracing in roof to rigid frame

DATE	BY	CHK	ENG	ISSUE
10/12/2022	TY	ARK	ARK	ANCHOR BOLTS
10/12/2022	TY	ARK	ARK	PERMITS
10/20/2022	TY	WLR	ARK	FINALS

**PROJECT NAME**  
 METRO DUMPSTER  
 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082

**CUSTOMER NAME**  
 METRO DUMPSTER  
 LEE'S SUMMIT, MO 64082

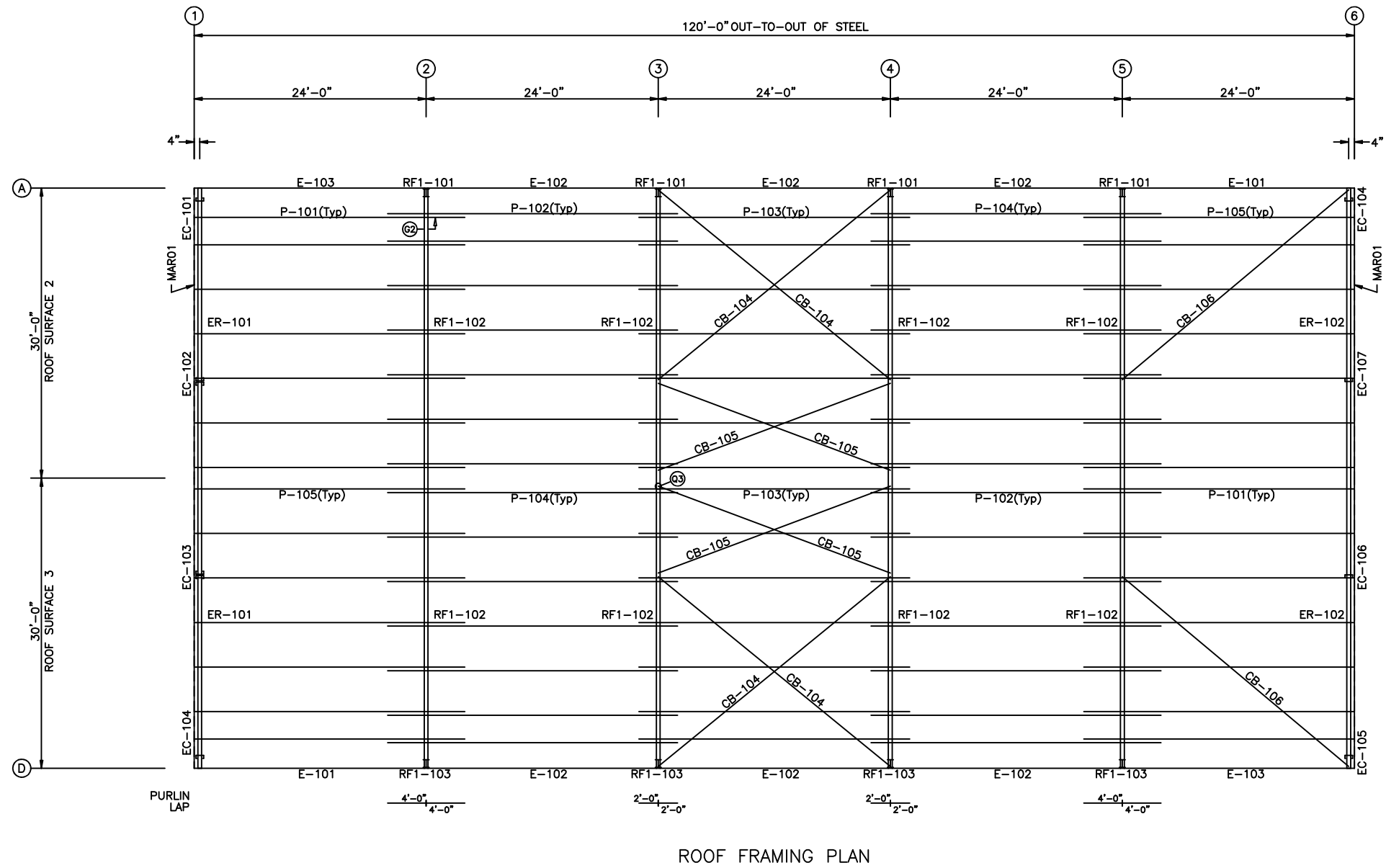
**JOB NUMBER**  
 T2208017A

**SHEET TITLE**  
 SHEET

**TOPLINE STEEL BUILDINGS**  
 13323 SW BUTLER ROAD  
 ROSE HILL, KS 67133  
 PHONE (800) 368-3882

This seal remains only in the original design and is not to be reproduced. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer of record and shall not be construed as such.

RELEASE FOR CONSTRUCTION  
 AS NOTED ON PLANS REVIEW  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 03/09/2023 11:24:50



ROOF FRAMING PLAN

ID	PART	LENGTH	DETAIL
1	RGA25	36.000	TRIM_3

MARK	PART	LENGTH
P-101	08Z075	335.750
P-102	08Z060	360.000
P-103	08Z060	336.000
P-104	08Z060	360.000
P-105	08Z075	335.750
E-101	08E3060	287.625
E-102	08E3060	287.750
E-103	08E3060	287.625
CB-104	RD05-	372.000
CB-105	RD05-	316.000
CB-106	RD05-	366.000

ROOF FRAMING PLAN

GENERAL NOTES

- PLACE TAGGED END OF RAFTERS TOWARDS THE LOW EAVE.
- STD. ROD/CABLE SIZES PER PART PREFIX ARE:
 

RD05- = 5/8" ROD	CA02- = 1/4" CABLE
RD06- = 3/4" ROD	CA03- = 3/8" CABLE
RD07- = 7/8" ROD	CA04- = 1/2" CABLE
RD08- = 1" ROD	
RD09- = 1 1/8" ROD	
RD10- = 1 1/4" ROD	
- PURLIN AND EAVE STRUT CONNECTIONS UTILIZE BOTH A307 AND A325 BOLTS. REFER TO THE DETAILS FOR SPECIFIC USAGE REQUIREMENTS.
- THIS DRAWING IS NOT TO SCALE.

ROOF SHEETING  
 PANELS: 26 Ga. CR  
 Midnight Black PVDF

ISSUE	ANCHOR BOLTS	PERMITS	FINALS

TOPLINE STEEL BUILDINGS  
 13323 SW BUTLER ROAD  
 ROSE HILL, KS 67133  
 PHONE (800) 369-3882

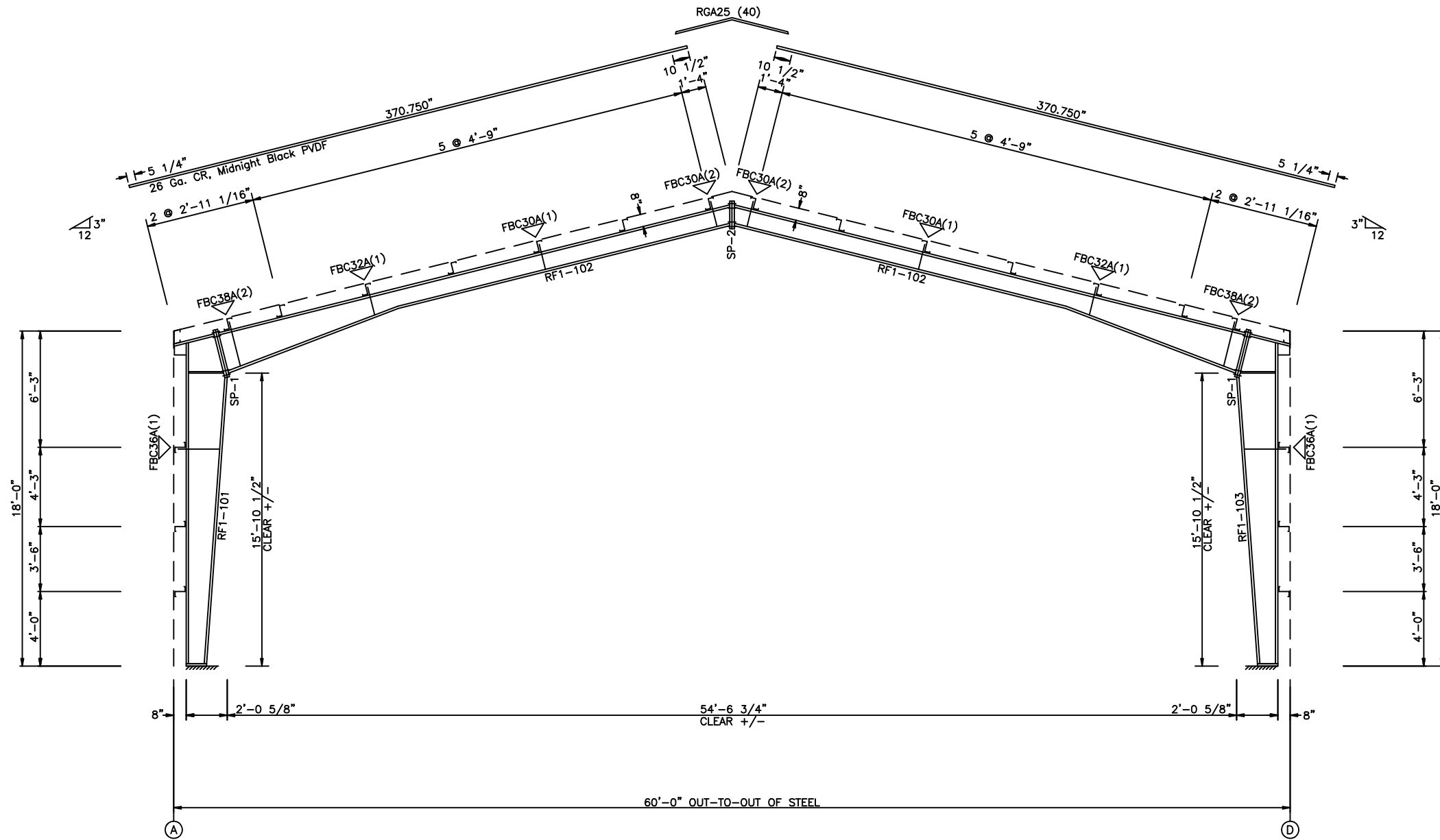
PROJECT NAME  
**METRO DUMPSTER**  
 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082  
 CUSTOMER NAME  
**METRO DUMPSTER**  
 LEE'S SUMMIT, MO 64082  
 JOB NUMBER  
**T2208017A**

SHEET TITLE  
**E1**

The seal remains only for the professional engineer's use. It is not to be used for any other purpose. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer or record and return contractor as such.

SPLICE PLATE & BOLT TABLE										
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-2	4	4	0	A325	0.625	2.25	6"	3/8"	1'-4 7/8"	

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start	End	Thick	Length	W x Thk x Length	W x Thk x Length
RF1-101	10.0	24.0	0.135	186.7	6 x 1/4" x 209.0	6 x 3/8" x 187.2
RF1-102	24.0	17.3	0.220	26.7	6 x 3/8" x 26.0	
	24.0	10.0	0.135	118.5	6 x 5/16" x 118.5	6 x 5/16" x 119.3
RF1-103	10.0	10.0	0.135	224.6	6 x 1/4" x 224.6	6 x 1/4" x 222.0
	17.3	24.0	0.220	26.7	6 x 3/8" x 26.0	6 x 3/8" x 187.2
	24.0	10.0	0.135	186.7	6 x 1/4" x 209.0	

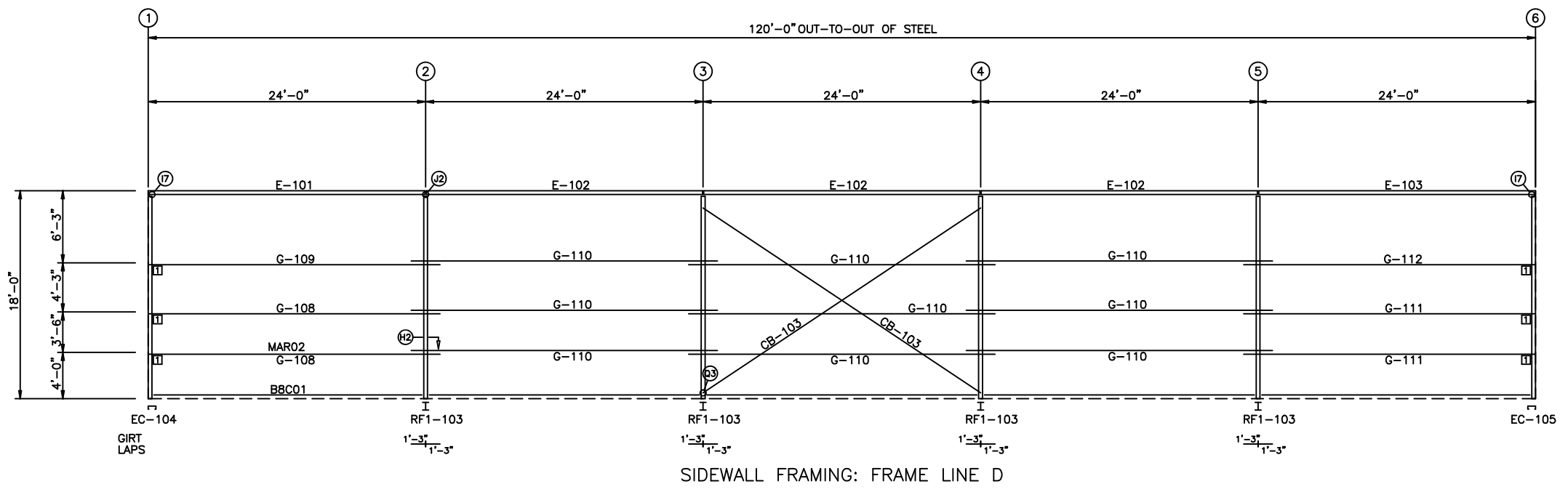


RIGID FRAME ELEVATION: FRAME LINE 2 3 4 5

**GENERAL NOTES**

- ▽ INDICATES FLANGE BRACING LOCATIONS. (1) = ONE SIDE; (2) = TWO SIDES.
- IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE RIGID FRAME, THE OPPOSITE SIDE FLANGE BRACES WILL HAVE TO BE INSTALLED AT THE TIME OF FUTURE EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.
- RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.
- INTERIOR COLUMN METAL TAG IS ORIENTED TOWARD THE LOW EAVE OF THE BUILDING.

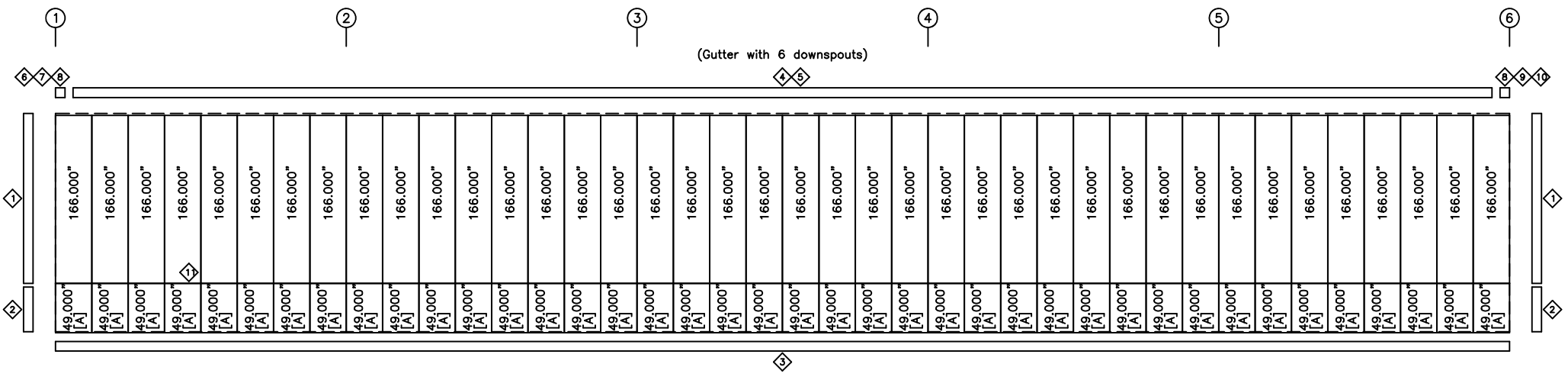
<p>ISSUE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	NO.	DATE											<p>ANCHOR BOLTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>TYPE</th> <th>TY</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	TYPE	TY											<p>PERMITS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>TYPE</th> <th>TY</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	TYPE	TY											<p>FINAL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>TYPE</th> <th>TY</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	TYPE	TY											<p>PROJECT NAME</p> <p><b>METRO DUMPSTER</b>          2620 SE RANSON RD, LEE'S SUMMIT, MO 64082</p> <p>CUSTOMER NAME</p> <p><b>METRO DUMPSTER</b>          LEE'S SUMMIT, MO 64082</p> <p>JOB NUMBER</p> <p><b>T2208017A</b></p>	<p>TOPLINE STEEL BUILDINGS</p> <p>13323 SW BUTLER ROAD          ROSE HILL, KS 67133</p> <p>PHONE          (800) 369-3882</p>
NO.	DATE																																																				
TYPE	TY																																																				
TYPE	TY																																																				
TYPE	TY																																																				
<p>This seal remains only for the manufacturer's use. It is not to be used for any other purpose. The drawings and the metal buildings which they represent are the property of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the professional engineer of record and shall not be construed as such.</p>		<p>SHEET</p> <p><b>E2</b></p>																																																			



TRIM TABLE FRAME LINE D			
ID	PART	LENGTH	DETAIL
1	OCA01	242.000	TRIM_79
2	OCA01	Use Drop	TRIM_79
3	BSD01	122.000	TRIM_202
4	GTA01	121.000	TRIM_1
5	GTA02	242.000	TRIM_1
6	H4000	5.000	TRIM_21
7	RCA01	9.250	
8	GRA01	8.000	
9	H4000	5.000	
10	RCA02	9.250	
11	BSW01	122.000	TRIM_150

MEMBER TABLE FRAME LINE D		
MARK	PART	LENGTH
E-101	08E3060	287.625
E-102	08E3060	287.750
E-103	08E3060	287.625
G-108	08Z060	302.750
G-109	08Z067	302.750
G-110	08Z060	318.000
G-111	08Z060	302.750
G-112	08Z067	302.750
CB-103	RD05-	359.000

CONNECTION PLATES FRAME LINE D		
ID	MARK/PART	
1	GCC03	



SIDEWALL SHEETING & TRIM: FRAME LINE D  
PANELS: 26 Ga. CW - Polar White SP  
[A] PANELS: 26 Ga. CW - Midnight Black PVDF

**SIDEWALL FRAMING PLAN**

**GENERAL NOTES**

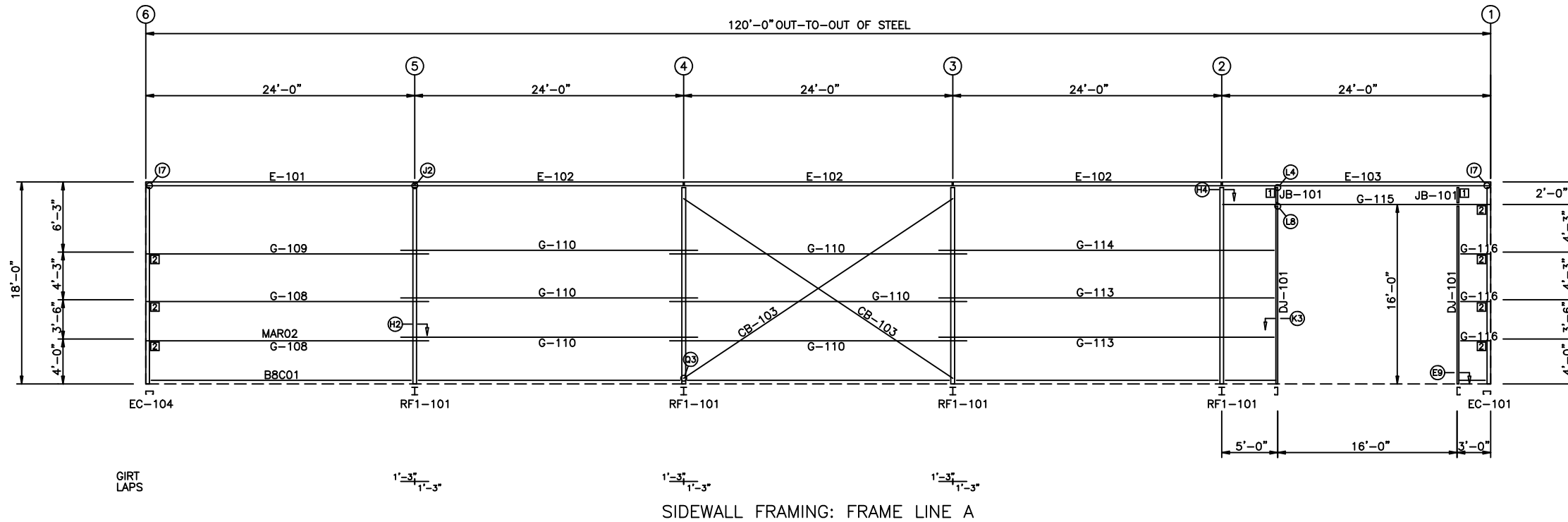
- STD. ROD/CABLE SIZES PER PART PREFIX ARE:  

RD05- = 5/8" ROD	CA02- = 1/4" CABLE
RD06- = 3/4" ROD	CA03- = 3/8" CABLE
RD07- = 7/8" ROD	CA04- = 1/2" CABLE
RD08- = 1" ROD	
RD09- = 1 1/8" ROD	
RD10- = 1 1/4" ROD	
- ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
- FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
- THIS DRAWING IS NOT TO SCALE.

ISSUE	ANCHOR BOLTS	PERMITS	FINALS	DATE	DATE	DATE	DATE
				10/12/2022	10/12/2022	10/20/2022	
DOWN	CHK	ENG	PE				
MBS	ARK	ARK	TY				
MBS	ARK	ARK	TY				
CMB	WLR	ARK	TY				
TOPLINE STEEL BUILDINGS				13323 SW BUTLER ROAD ROSE HILL, KS 67133			
PROJECT NAME				CUSTOMER NAME			
METRO DUMPSTER				METRO DUMPSTER			
2620 SE RANSON RD, LEE'S SUMMIT, MO 64082				LEE'S SUMMIT, MO 64082			
JOB NUMBER				SHEET TITLE			
T2208017A				E3			

This seal remains only for the professional engineer and is not to be used for any other purpose. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the professional engineer of record and shall not be construed as such.



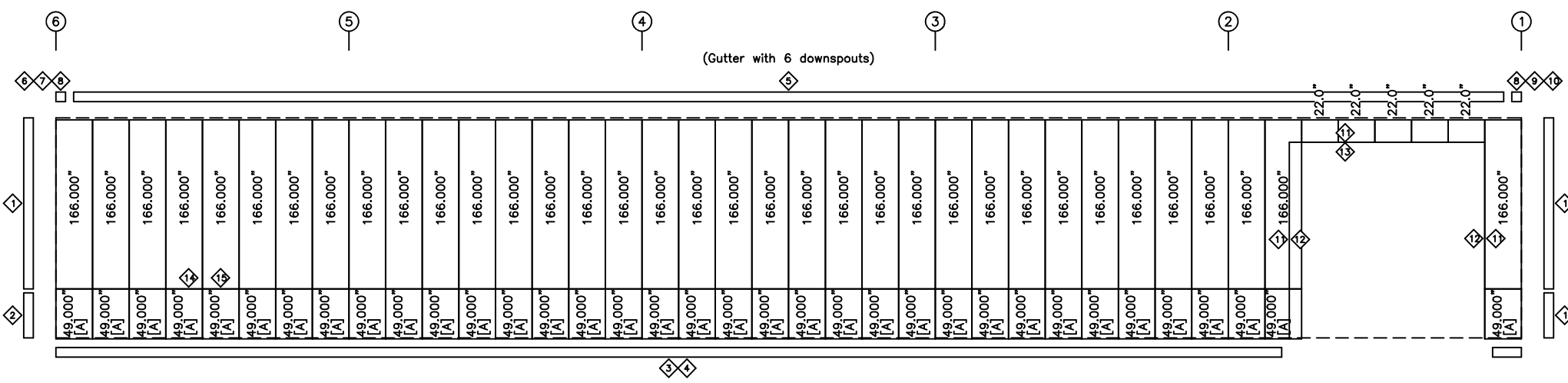


SIDEWALL FRAMING: FRAME LINE A

TRIM TABLE FRAME LINE A			
ID	PART	LENGTH	DETAIL
1	OCA01	242.000	TRIM_79
2	OCA01	Use Drop	TRIM_79
3	BSD01	122.000	TRIM_202
4	BSD01	Use Drop	TRIM_202
5	GTA02	242.000	TRIM_1
6	H4000	5.000	TRIM_21
7	RCA01	9.250	
8	GRA01	8.000	
9	H4000	5.000	
10	RCA02	9.250	
11	CCA193	193.000	TRIM_19
12	JTA193	193.000	TRIM_98
13	HTA196	196.000	TRIM_98
14	BSW01	122.000	TRIM_150
15	BSW01	Use Drop	TRIM_150

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
DJ-101	J08C075	192.000
E-101	08E3060	287.625
E-102	08E3060	287.750
E-103	08E3060	287.625
G-108	08Z060	302.750
G-109	08Z067	302.750
G-110	08Z060	318.000
G-114	08Z067	360.000
G-115	08C067	287.000
G-116	08Z060	32.750
CB-103	RD05-	359.000
JB-101	J08C060	14.125

CONNECTION PLATES FRAME LINE A		
ID	MARK/PART	
1	JCE03	
2	GCC03	



SIDEWALL SHEETING & TRIM: FRAME LINE A  
PANELS: 26 Ga. CW - Polar White SP  
[A] PANELS: 26 Ga. CW - Midnight Black PVDF

SIDEWALL FRAMING PLAN

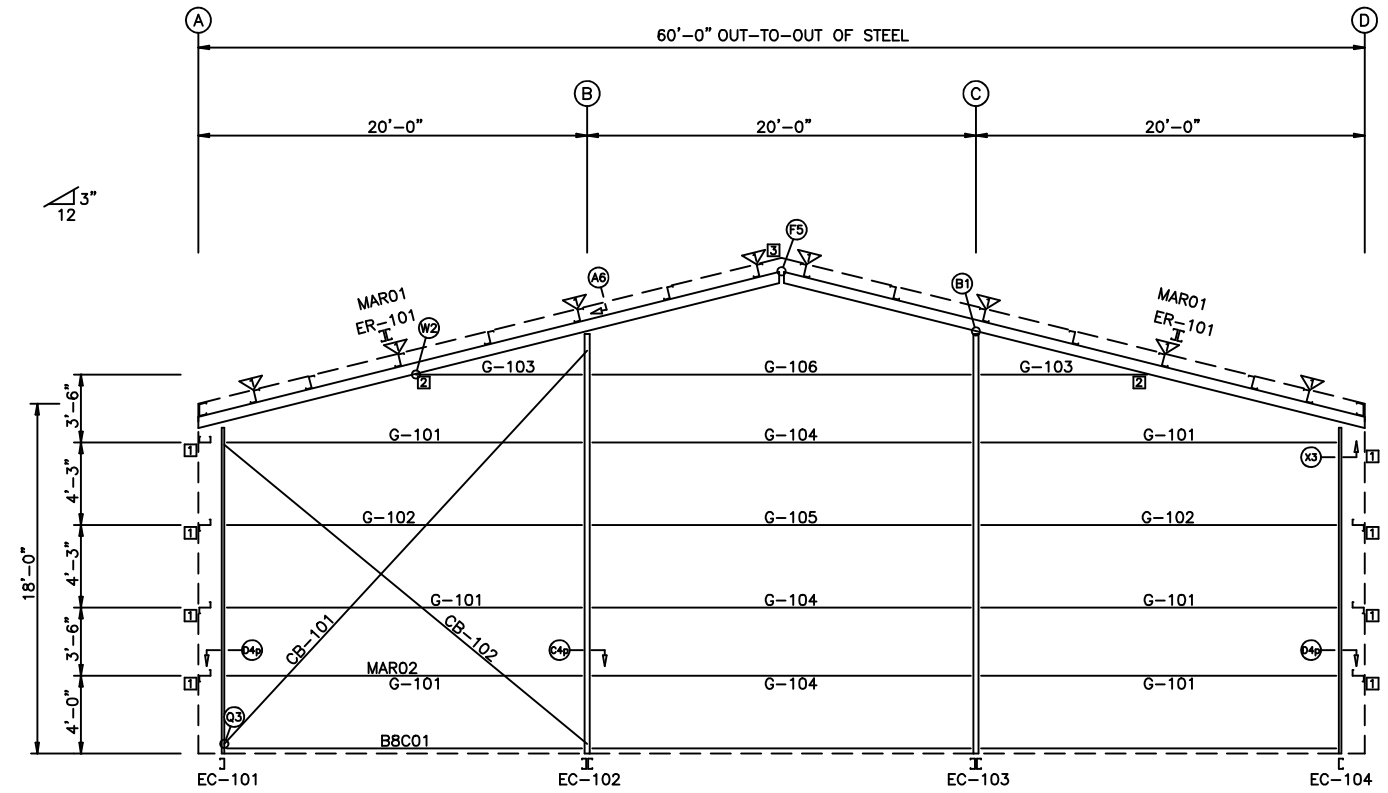
GENERAL NOTES

- STD. ROD/CABLE SIZES PER PART PREFIX ARE:  

RD05- = 5/8" ROD	CABLE
RD06- = 3/4" ROD	CA02- = 1/4" CABLE
RD07- = 7/8" ROD	CA03- = 3/8" CABLE
RD08- = 1" ROD	CA04- = 1/2" CABLE
RD09- = 1 1/8" ROD	
RD10- = 1 1/4" ROD	
- ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
- FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
- THIS DRAWING IS NOT TO SCALE.

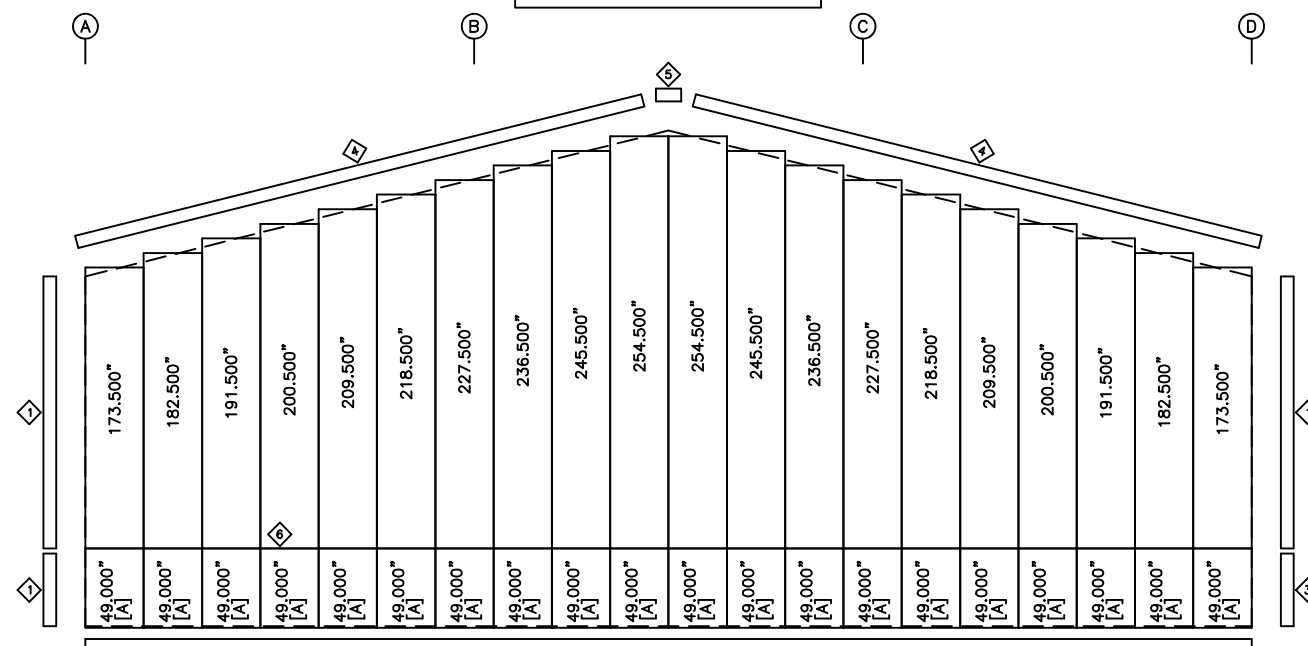
PROJECT NAME <b>METRO DUMPSTER</b> 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082	CUSTOMER NAME <b>METRO DUMPSTER</b> LEE'S SUMMIT, MO 64082	ISSUE	DATE
		ANCHOR BOLTS	10/12/2022
		PERMITS	10/12/2022
		FINALS	10/20/2022
TOPLINE STEEL BUILDINGS 13323 SW BUTLER ROAD ROSE HILL, KS 67133 PHONE (800) 369-3882		JOB NUMBER <b>T2208017A</b>	SHEET <b>E4</b>

This seal remains only for the materials designed and supplied by the Metal Building Manufacturer. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or sign for the project engineer of record and shall not be construed as such.



ENDWALL FRAMING: FRAME LINE 1

This endwall framing is not designed for future expansion



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. CW - Polar White SP  
 [A] PANELS: 26 Ga. CW - Midnight Black PVDF

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-101/ER-101	4	A325	1/2"	2"
Columns/Raf	6	A325	1/2"	2"

TRIM TABLE			
FRAME LINE 1			
ID	PART	LENGTH	DETAIL
1	OCA01	242.000	TRIM_79
2	BSD01	122.000	TRIM_202
3	OCA01	Use Drop	TRIM_79
4	RTA02	242.000	TRIM_2
5	MPB03	26.440	
6	BSW01	122.000	TRIM_150

MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EC-101	W08S089	203.500
EC-102	W08SD099	259.500
EC-103	W08SD099	259.500
EC-104	W08S075	203.500
ER-101	W08SD089	368.563
G-101	08Z060	215.500
G-102	08Z067	215.500
G-103	08Z060	92.250
G-104	08Z060	231.500
G-105	08Z067	231.500
G-106	08Z075	231.500
CB-101	RD05-	341.000
CB-102	RD05-	296.000

FLANGE BRACE TABLE			
FRAME LINE 1			
ID	#	MARK	CLIP
1	1	FBE05	

CONNECTION PLATES	
FRAME LINE 1	
ID	MARK/PART
1	GCC03
2	GCR33gcb
3	NCR05

ENDWALL FRAMING PLAN

- GENERAL NOTES
- STD. ROD/CABLE SIZES PER PART PREFIX ARE:  

RD05- = 5/8" ROD	CA02- = 1/4" CABLE
RD06- = 3/4" ROD	CA03- = 3/8" CABLE
RD07- = 7/8" ROD	CA04- = 1/2" CABLE
RD08- = 1" ROD	
RD09- = 1 1/8" ROD	
RD10- = 1 1/4" ROD	
  - ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
  - FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
  - THIS DRAWING IS NOT TO SCALE.

DATE	10/12/2022
PE	TY
CHK	ARK
ENG	ARK
ISSUE	
ANCHOR BOLTS	
PERMITS	
FINALS	
DATE	10/12/2022
PE	TY
CHK	ARK
ENG	ARK
DATE	10/20/2022
PE	TY
CHK	WLR
ENG	ARK

PROJECT NAME  
**METRO DUMPSTER**  
 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082

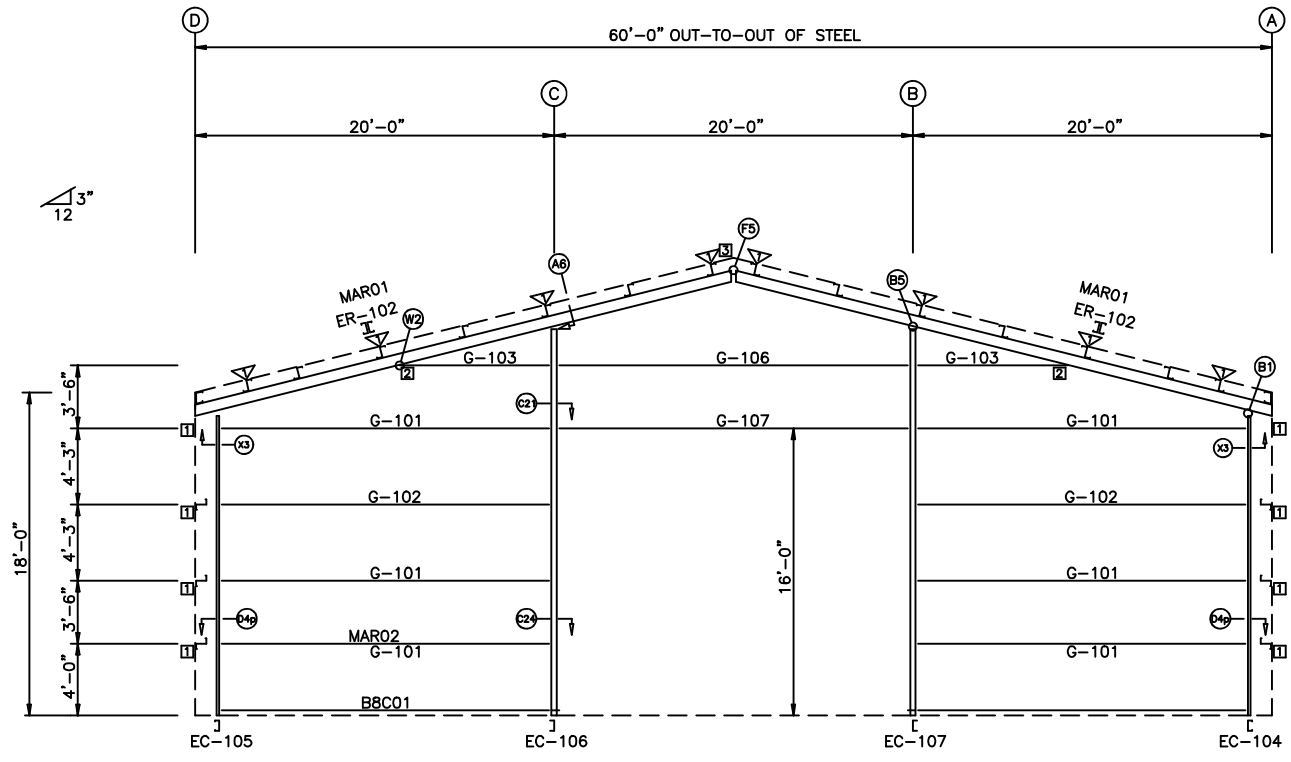
CUSTOMER NAME  
**METRO DUMPSTER**  
 LEE'S SUMMIT, MO 64082

JOB NUMBER  
**T2208017A**

SHEET TITLE  
**TOPLINE STEEL BUILDINGS**  
 13323 SW BUTLER ROAD  
 ROSE HILL, KS 67133  
 PHONE (800) 369-3882

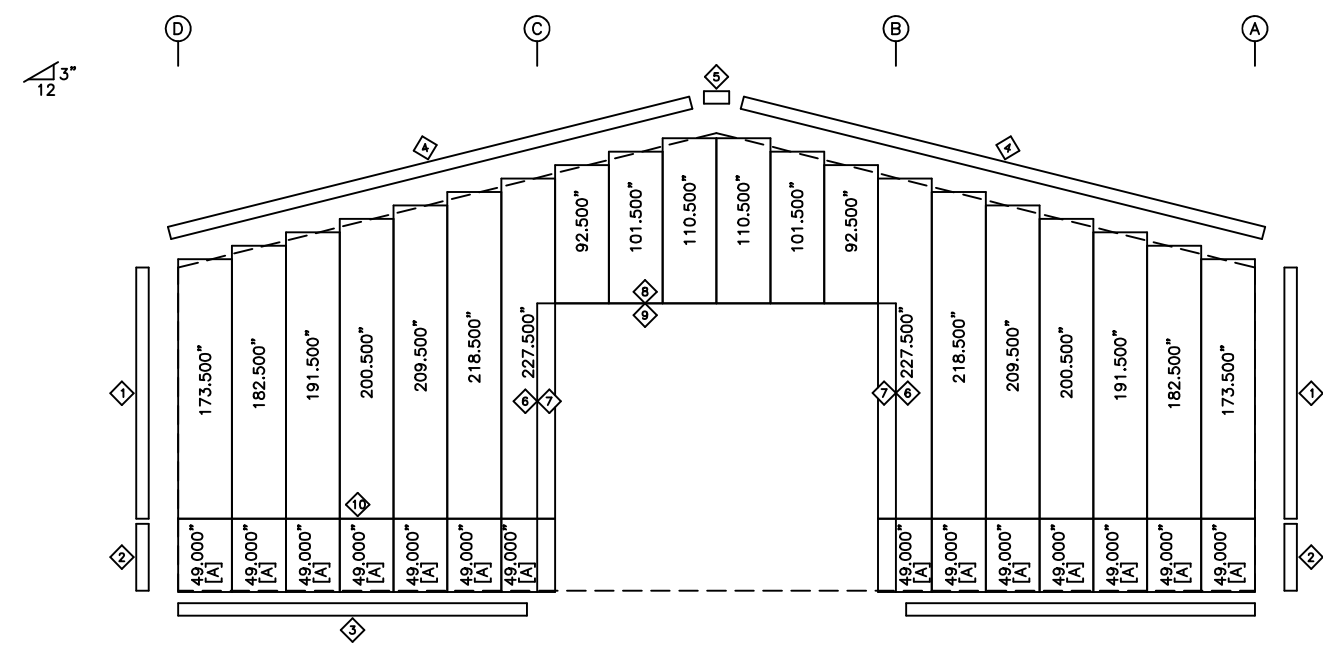
DATE  
**E5**

This seal remains only for the records of the manufacturer and is not to be used for any other purpose. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the professional engineer of record and shall not be construed as such.



ENDWALL FRAMING: FRAME LINE 6

This endwall framing is not designed for future expansion



ENDWALL SHEETING & TRIM: FRAME LINE 6

PANELS: 26 Ga. CW - Polar White SP  
[A] PANELS: 26 Ga. CW - Midnight Black PVDF

BOLT TABLE FRAME LINE 6				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-102/ER-102	4	A325	1/2"	2"
Cor_Column/Raf	6	A325	1/2"	2"
Int_Column/Raf	4	A325	1/2"	2"

TRIM TABLE FRAME LINE 6			
ID	PART	LENGTH	DETAIL
1	OCA01	242.000	TRIM_79
2	OCA01	Use Drop	TRIM_79
3	BSD01	122.000	TRIM_202
4	RTA02	242.000	TRIM_2
5	MPB03	26.440	
6	CCA193	193.000	TRIM_19
7	JTA193	193.000	TRIM_98
8	CCA241	241.000	TRIM_19
9	HTA124	124.000	TRIM_98
10	BSW01	122.000	TRIM_150

MEMBER TABLE FRAME LINE 6		
MARK	PART	LENGTH
EC-104	W08S075	203.500
EC-105	W08S075	203.500
EC-106	C8x11.5	259.500
EC-107	C8x11.5	259.500
ER-102	W08SD075	368.563
G-101	08Z060	215.500
G-102	08Z067	215.500
G-103	08Z060	92.250
G-106	08Z075	231.500
G-107	08C060	231.500

FLANGE BRACE TABLE FRAME LINE 6			
ID	#	MARK	CLIP
1	1	FBE05	

CONNECTION PLATES FRAME LINE 6	
ID	MARK/PART
1	GCC03
2	GCR33gcb
3	NCR05

ENDWALL FRAMING PLAN

GENERAL NOTES

- STD. ROD/CABLE SIZES PER PART PREFIX ARE:  

ROD	CABLE
RD05- = 5/8" ROD	CA02- = 1/4" CABLE
RD06- = 3/4" ROD	CA03- = 3/8" CABLE
RD07- = 7/8" ROD	CA04- = 1/2" CABLE
RD08- = 1" ROD	
RD09- = 1 1/8" ROD	
RD10- = 1 1/4" ROD	
- ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
- FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
- THIS DRAWING IS NOT TO SCALE.

ISSUE	DATE	CHK	ENG	PE
ANCHOR BOLTS	10/12/2022	ARK	ARK	TY
PERMITS	10/12/2022	ARK	ARK	TY
FINALS	10/20/2022	WLR	ARK	TY

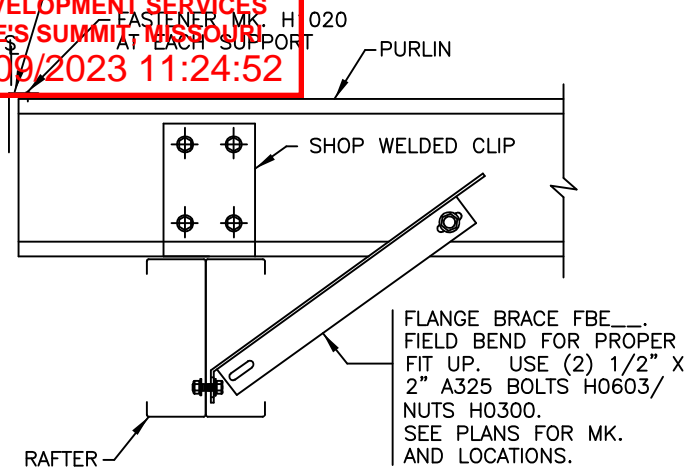
PROJECT NAME: METRO DUMPSTER  
2620 SE RANSON RD, LEE'S SUMMIT, MO 64082  
CUSTOMER NAME: METRO DUMPSTER  
LEE'S SUMMIT, MO 64082  
JOB NUMBER: T2208017A  
SHEET TITLE: SHEET

TOPLINE STEEL BUILDINGS  
13323 SW BUTLER ROAD  
ROSE HILL, KS 67133  
PHONE (800) 369-3882

This seal remains only for the materials designated supplied by the Metal Building Manufacturer. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or sign for the project engineer of record and shall not be construed as such.

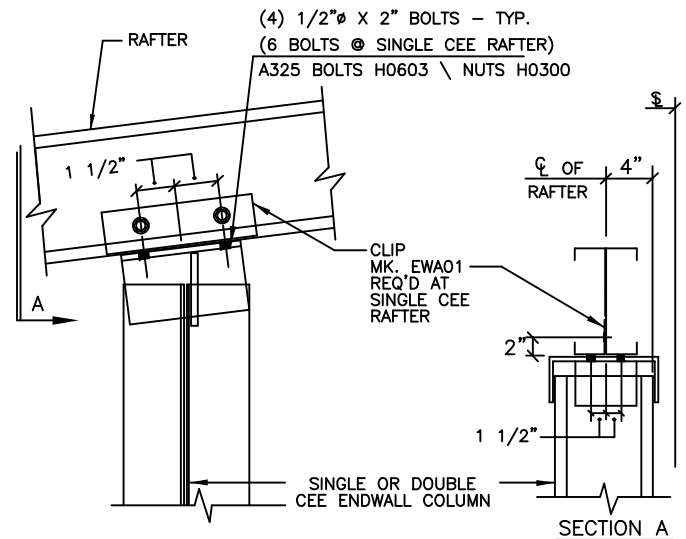
E6

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 03/09/2023 11:24:52



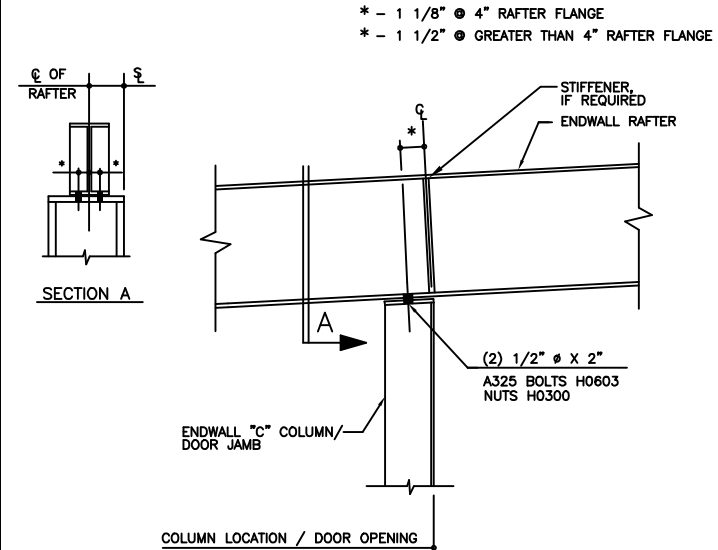
**PURLIN TO DOUBLE CEE RAFTER**  
 USE (4) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

A6



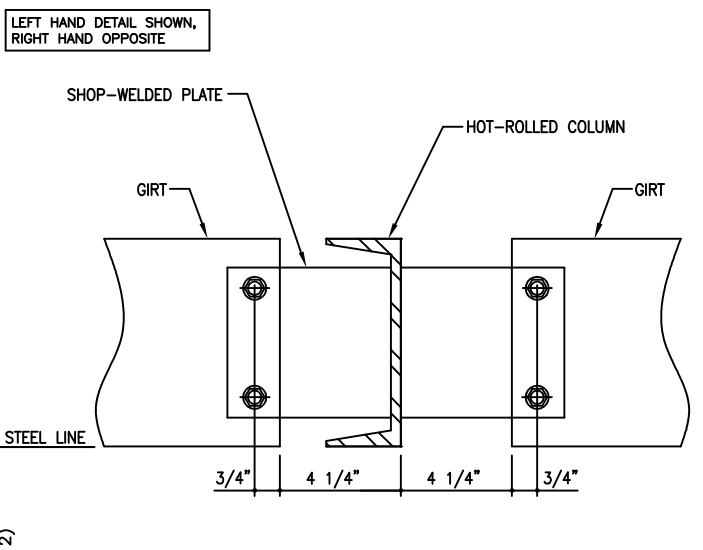
**ENDWALL COLUMN TO RAFTER**  
 COLD-FORMED COLUMN TO COLD-FORMED RAFTER  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

B1



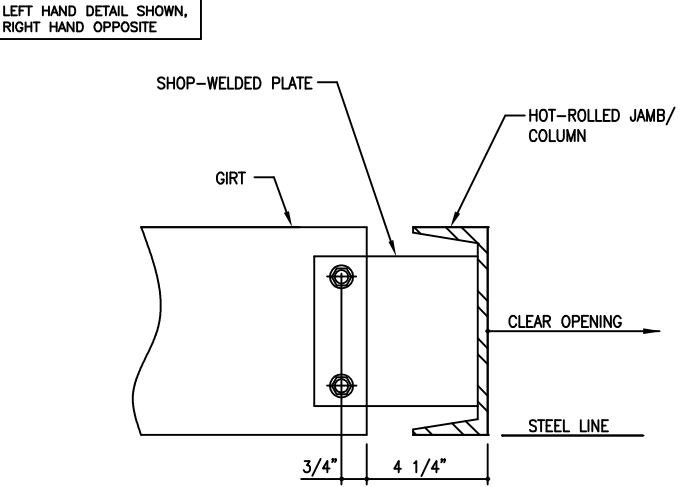
**EW COLUMN/JAMB TO RAFTER CONNECTION**  
 (CONTINUOUS RAFTER)

B5



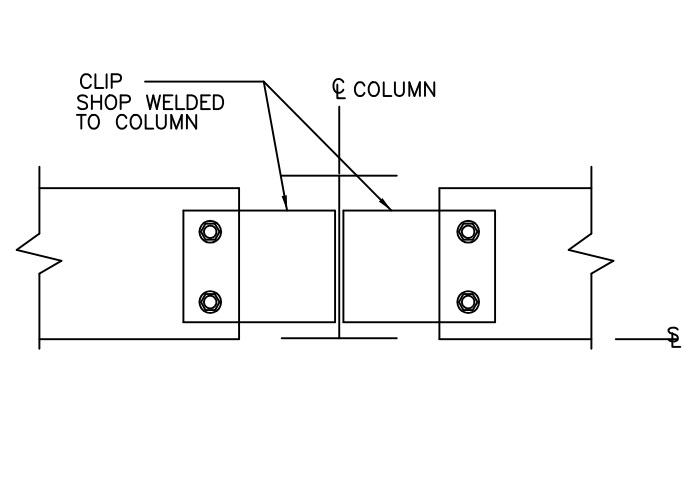
**GIRTS TO HOT-ROLLED JAMB**  
 USE (4) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

C21



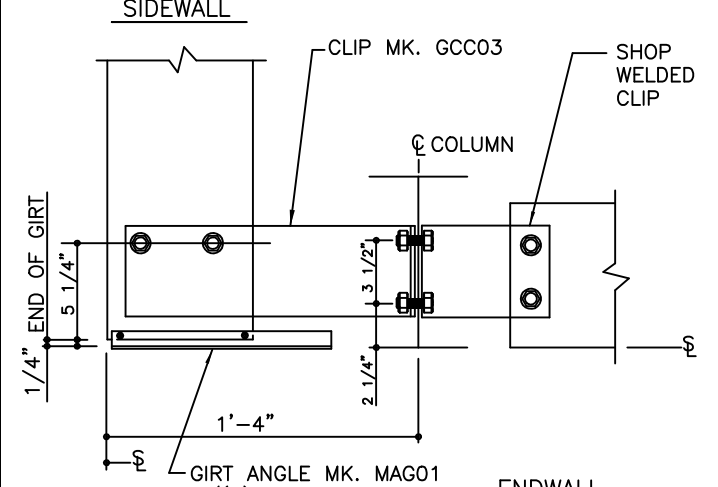
**GIRTS TO HOT-ROLLED JAMB**  
 USE (2) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

C24



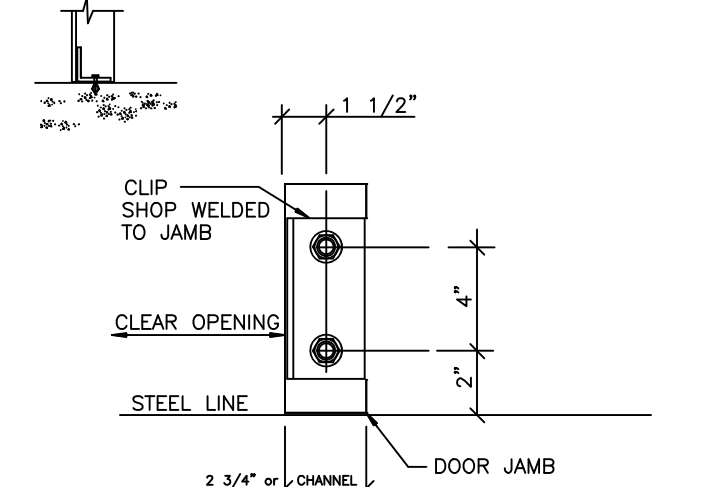
**FLUSH GIRTS @ INTERIOR BAY COLUMN**  
 USE (4) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

C4p



**FLUSH ENDWALL GIRTS AT CORNER**  
 USE (4) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

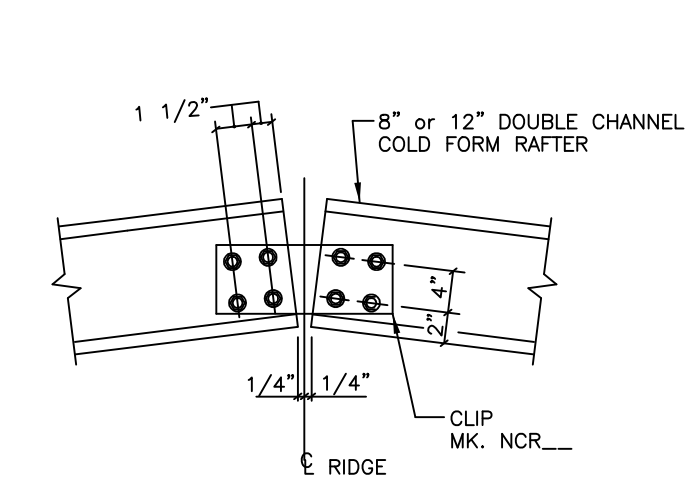
D4p



**JAMB TO FINISHED FLOOR**  
 \*\*ATTACHMENT TO SLAB BY OTHERS\*\*

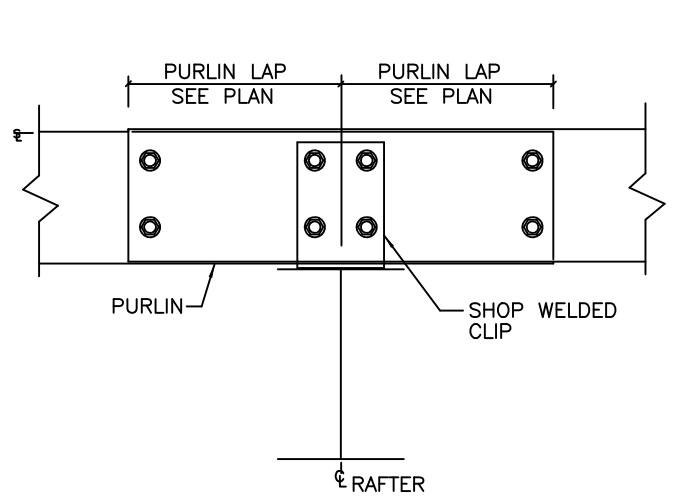
E9

CG0068(6,10,12)



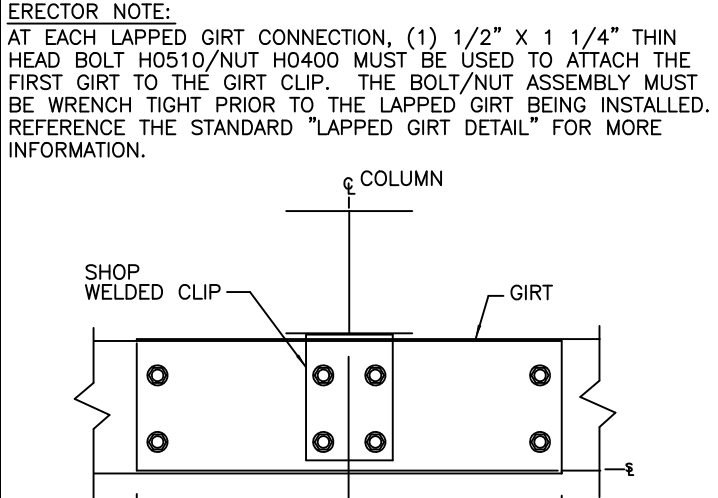
**COLD-FORMED RAFTERS AT RIDGE**  
 USE (8) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

F5



**PURLIN TO INTERIOR FRAME RAFTER**  
 USE (8) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

G2



**GIRTS TO COLUMN**  
 USE (7) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

H2

ERECTOR NOTE:  
 AT EACH LAPPED GIRTS CONNECTION, (1) 1/2" x 1 1/4" THIN HEAD BOLT H0510/NUT H0400 MUST BE USED TO ATTACH THE FIRST GIRTS TO THE GIRTS CLIP. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE LAPPED GIRTS BEING INSTALLED. REFERENCE THE STANDARD "LAPPED GIRTS DETAIL" FOR MORE INFORMATION.

CO0020

DATE	ISSUE	CHK	ENG	DE
10/12/2022		ARK	ARHR	TY
10/12/2022		ARK	ARHR	TY
10/20/2022		WLR	ARHR	TY

ANCHOR BOLTS PERMITS FINALS

TOPLINE STEEL BUILDINGS  
 13323 SW BUTLER ROAD  
 ROSE HILL, KS 67133  
 PHONE (800) 369-3882

PROJECT NAME  
**METRO DUMPSTER**  
 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082

CUSTOMER NAME  
**METRO DUMPSTER**  
 LEE'S SUMMIT, MO 64082

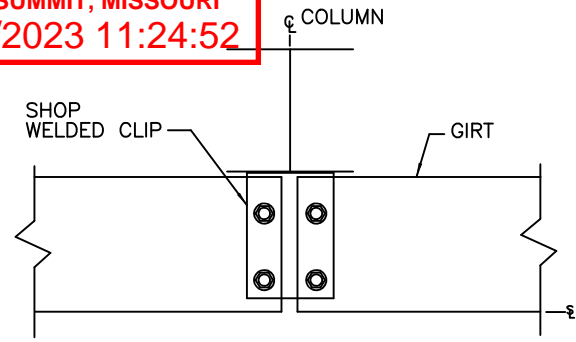
JOB NUMBER  
**T2208017A**

SHEET TITLE

The seal remains only for the materials designated as supplied by the Metal Building Manufacturer. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer of record and shall not be construed as such.

SHEET  
**D1 of 8**

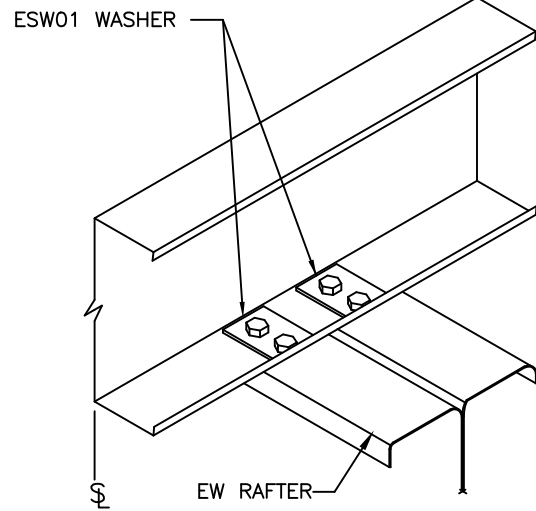




**SIMPLE SPAN GIRTS TO COLUMN**

USE (4) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

H4



**EAVE STRUT TO ENDWALL RAFTER (4-bolt)**

USE (4) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300

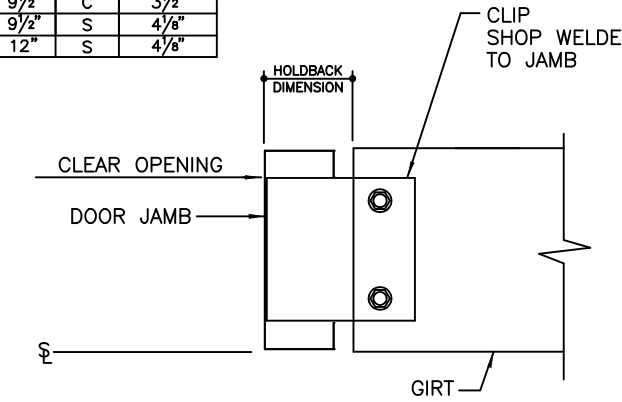
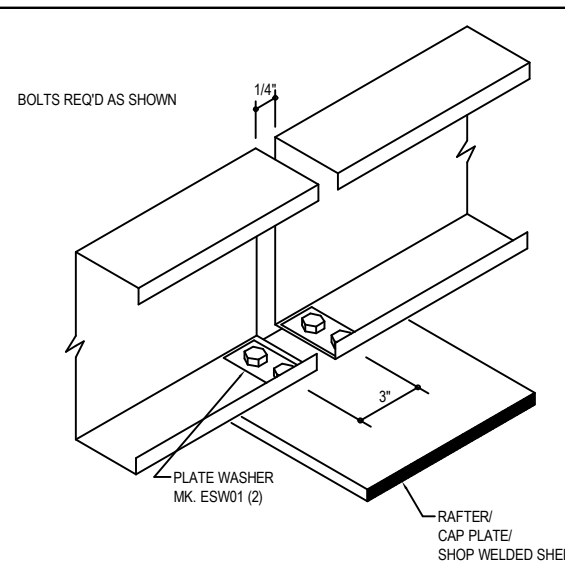
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

**LOW EAVE EAVE STRUT AT BYPASS GIRTS**

USE (4) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

J2

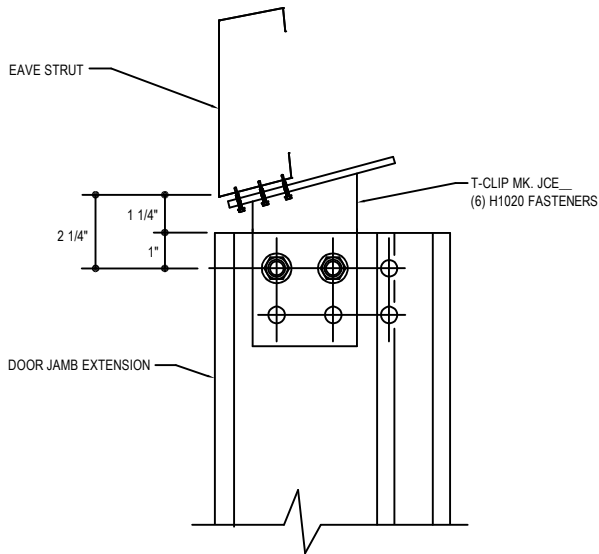
JAMB DEPTH	JAMB SHAPE	HOLDBACK DIMENSION
8"	C	3"
8"	S	4 1/4"
9 1/2"	C	3 1/2"
9 1/2"	S	4 1/8"
12"	S	4 1/8"



**GIRT TO JAMB**

USE (2) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

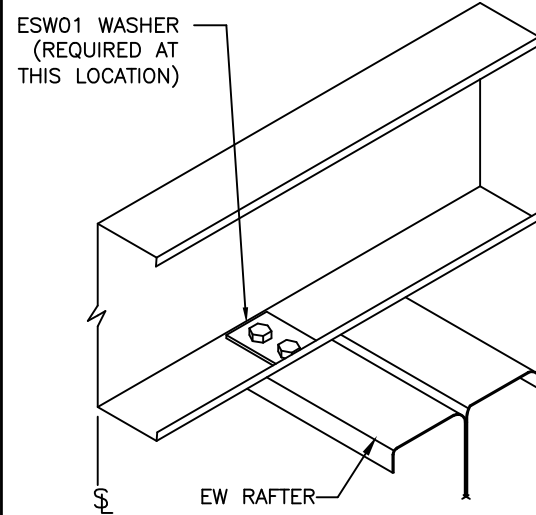
K3



**JAMB EXT. TO EAVE STRUT**

NOTE: USE (2) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

L4



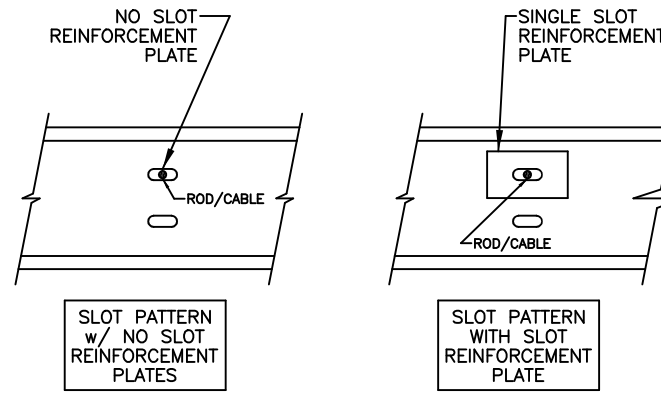
**EAVE STRUT TO ENDWALL RAFTER (2-bolt)**

USE (2) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

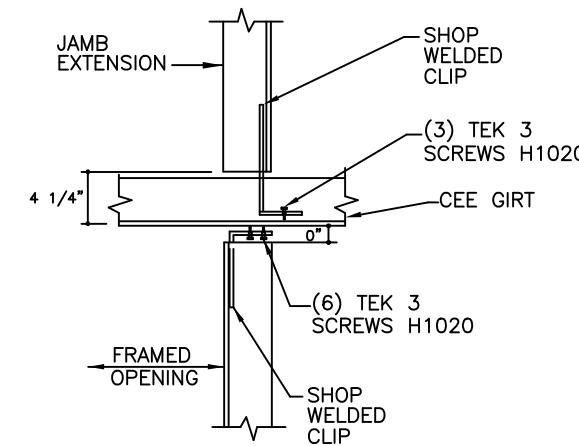
17

ERECTOR NOTE:  
 WHEN SLOT REINFORCEMENT PLATES ARE PRESENT IN 12" COLD-FORMED MEMBERS, ROD/CABLE BRACE MUST UTILIZE REINFORCED SLOT LOCATION.



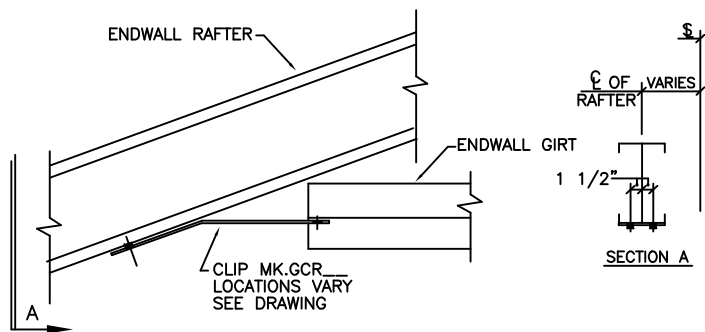
**12" COLD-FORMED MEMBER**

ERECTOR NOTE:  
 -IF THE JAMB CLIP IS LOCATED IN THE SAME LOCATION AS NESTED GIRTS BOLTS, THE NESTED GIRTS BOLTS CAN BE REMOVED.



**DOOR JAMB TO GIRTS WITH EXTENSION**

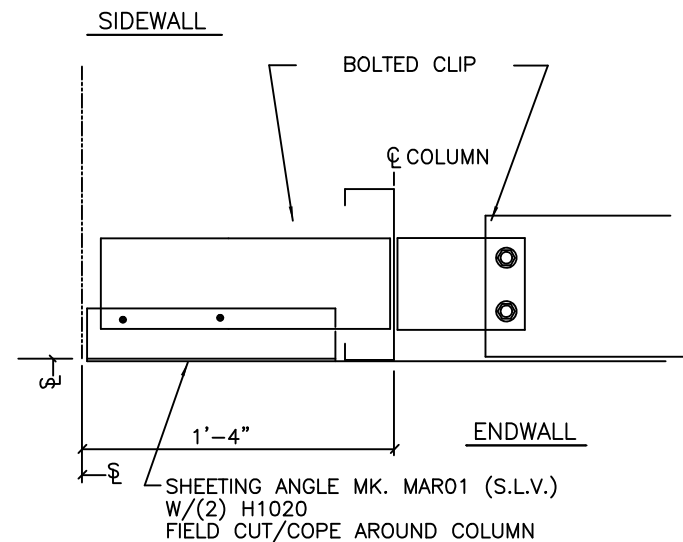
L8



**INSET/FLUSH GIRTS TO CEE RAFTER**

USE (6) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
 REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

W2

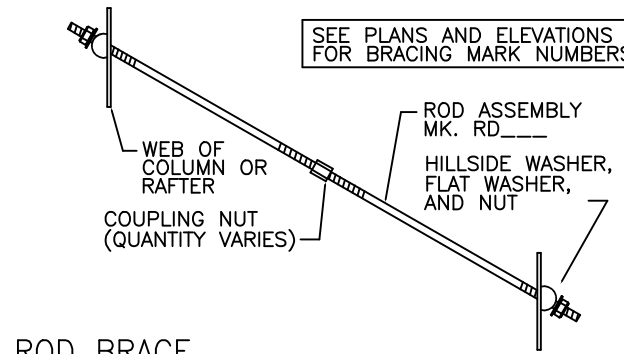


**CORNER GIRTS DETAIL**

USE (4) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400  
 SEE ERECTOR NOTE FOR TYP. WASHER REQUIREMENTS

X3

ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	COUPLING NUTS
5/8" $\phi$	RD05--	(2) H0930	(2) H0210	(2) H0310	H0810
3/4" $\phi$	RD06--	(2) H0930	(2) H0220	(2) H0320	H0820
7/8" $\phi$	RD07--	(2) H0930	(2) H0230	(2) H0325	H0830
1" $\phi$	RD08--	(2) H0960	(2) H0240	(2) H0330	H0840
1 1/8" $\phi$	RD09--	(2) H0960	(2) H0250	(2) H0450	H0850
1 1/4" $\phi$	RD10--	(2) H0960	(2) H0260	(2) H0340	H0860



**ROD BRACE**

WEB TO WEB

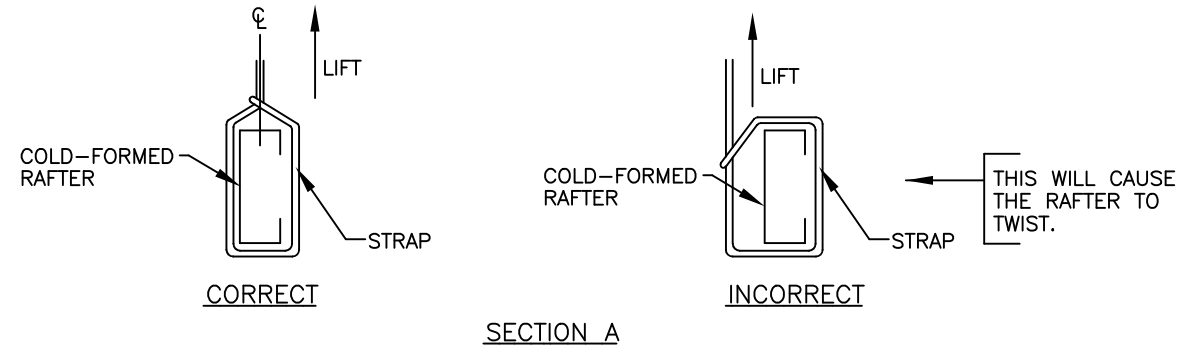
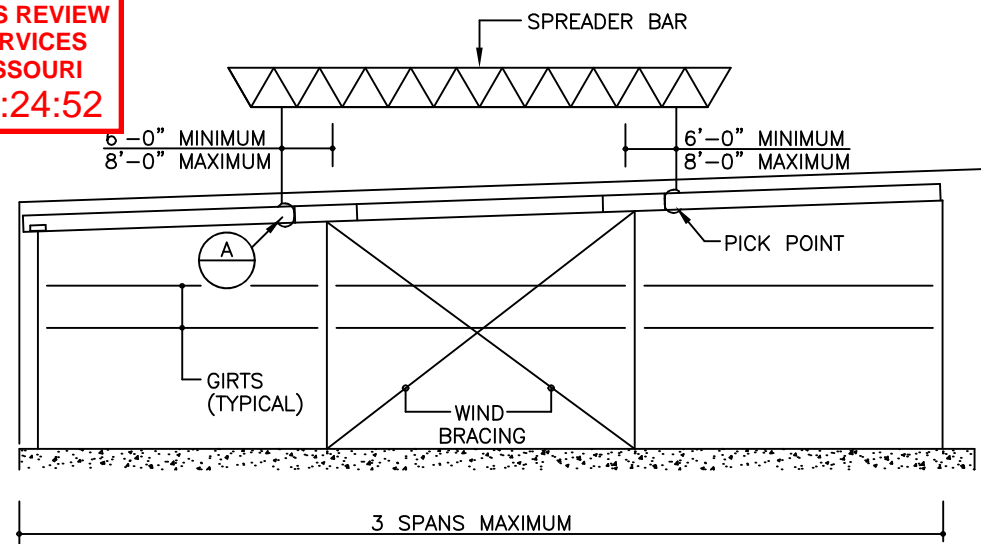
Q3

ISSUE	DATE	BY	CHK	ENG	PE
ANCHOR BOLTS PERMITS	10/12/2022	TY	ARK	ARK	TY
FINAL	10/20/2022	TY	WLR	ARK	TY

PROJECT NAME: METRO DUMPSTER  
 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082  
 CUSTOMER NAME: METRO DUMPSTER  
 LEE'S SUMMIT, MO 64082  
 JOB NUMBER: T2208017A  
 SHEET TITLE: TOPLINE STEEL BUILDINGS  
 13323 SW BUTLER ROAD  
 ROSE HILL, KS 67133  
 PHONE (800) 369-3882

The seal remains only in the hands of the Manufacturer. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer of record and shall not be construed as such.

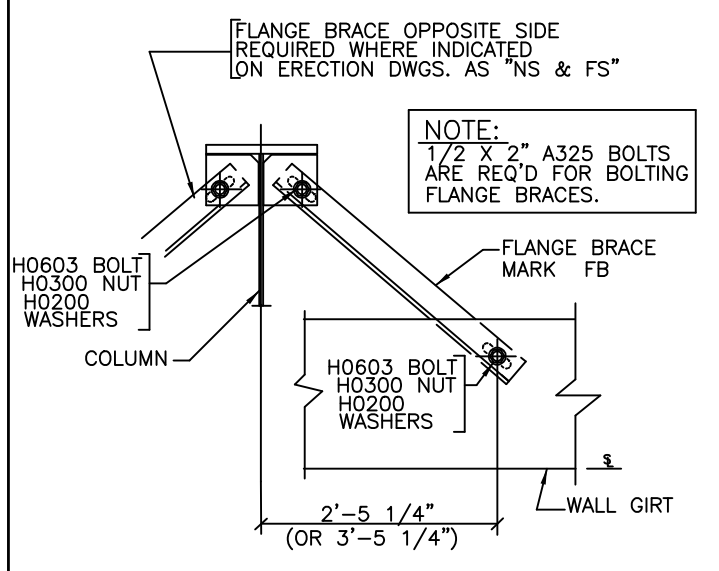
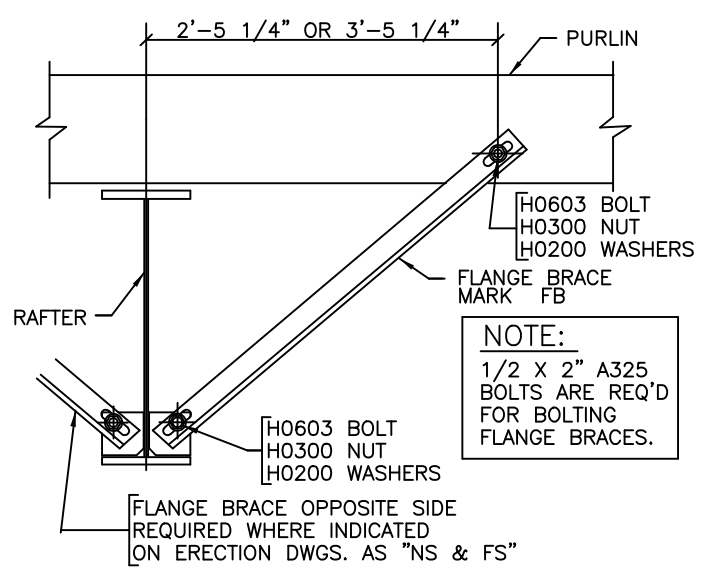
SHEET  
D2 of 8



COLD FORMED ENDWALL ERECTOR DETAIL

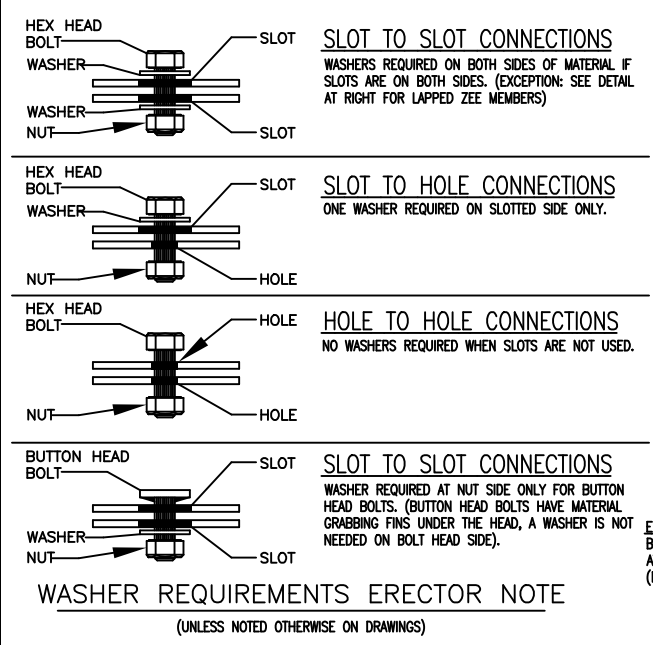
- GIRTS, CLIPS, RAFTERS AND COLUMNS MUST BE SECURELY AND TIGHTLY BOLTED TOGETHER PRIOR TO STANDING UP THE ENDWALL SECTION. (NOTE: THE GIRTS PROVIDE STABILITY TO THE ENDWALL SYSTEM DURING THE ERECTION PROCESS)
- BUILT-UP COLUMNS/RAFTERS MUST BE ERECTED INDIVIDUALLY WHEN USED WITH COLD FORMED ENDWALL PARTS
- THIS DETAIL IS SUGGESTED IN ORDER TO MAINTAIN STRUCTURAL INTEGRITY OF ENDWALL PARTS AFTER ERECTION. SOUND JUDGEMENT BASED ON ERECTION KNOWLEDGE AND EXPERIENCE SHOULD BE APPLIED REGARDING SAFETY AND PRACTICALITY OF INDIVIDUAL SITUATIONS.
- REGULATIONS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ACT, LOCAL, STATE, AND/OR FEDERAL AGENCIES SHOULD BE ADHERED TO AT ALL TIMES. THE METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR INJURY, DAMAGE, OR FAILURE WHICH MAY RESULT FROM FAILING TO MEET ANY OF THESE REGULATIONS.

NAA0005



TYP FLANGE BRACE @ PURLIN & RAFTER  
NOTE: SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS (NAG0010)

TYP FLANGE BRACE @ BU COL & GIRT  
NOTE: SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS (NAG0030)



FLAT WASHER PART NUMBERS

H0200	-	1/2"	FLAT WASHER
H0210	-	5/8"	FLAT WASHER
H0220	-	3/4"	FLAT WASHER
H0230	-	7/8"	FLAT WASHER
H0240	-	1"	FLAT WASHER
H0250	-	1 1/8"	FLAT WASHER
H0260	-	1 1/4"	FLAT WASHER

TYPICAL FIELD WELD REQUIREMENTS ERECTOR NOTE:  
(UNLESS NOTED OTHERWISE ON DRAWINGS)

ALL FIELD WELDING MUST BE PERFORMED BY AWS/CWB CERTIFIED WELDERS WHO ARE QUALIFIED FOR THE WELDING PROCESSES AND POSITIONS INDICATED.

ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS/CWB SPECIFICATIONS.

WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI/483 MPa MATERIAL AND LOW HYDROGEN CONTENT.

GALVANIZED STEEL FIELD WELDING RECOMMENDATIONS

PREPARATION OF WELD AREA  
AWS D-19.0, WELDING ZINC COATED STEEL, CALLS FOR WELDS TO BE MADE ON STEEL THAT IS FREE OF ZINC IN THE AREA TO BE WELDED. FOR GALVANIZED STRUCTURAL COMPONENTS, THE ZINC COATING SHOULD BE REMOVED AT LEAST ONE TO FOUR INCHES (2.5-10 cm) FROM EITHER SIDE OF THE INTENDED WELD ZONE AND ON BOTH SIDES OF THE WORKPIECE. GRINDING BACK THE ZINC COATING IS THE PREFERRED AND MOST COMMON METHOD; BURNING THE ZINC AWAY OR PUSHING BACK THE MOLTEN ZINC FROM THE WELD AREA ARE ALSO EFFECTIVE.

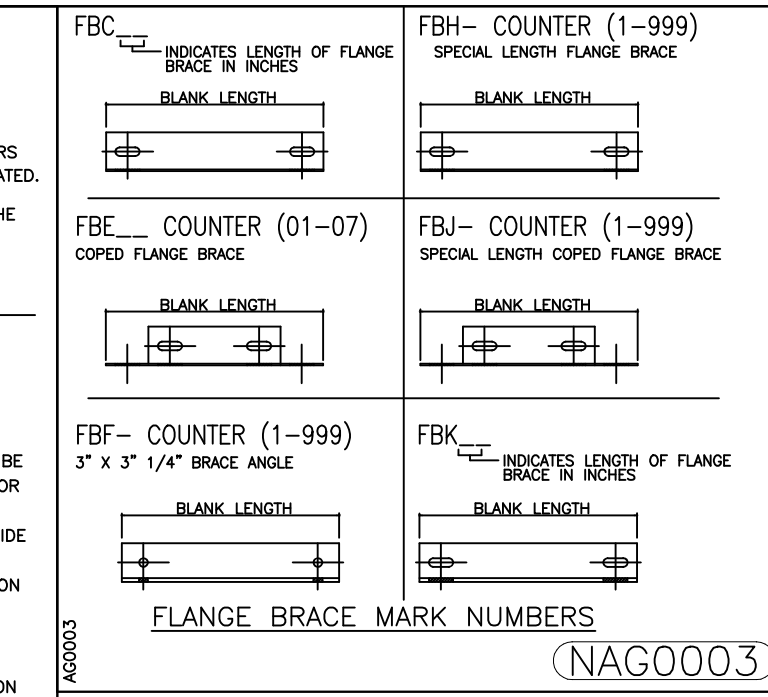
TOUCH-UP OF WELD AREA  
WELDING ON GALVANIZED SURFACES DESTROYS THE ZINC COATING ON AND AROUND THE WELD AREA. RESTORATION OF THE AREA WILL BE PERFORMED IN ACCORDANCE WITH ASTM A 780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS, WHICH SPECIFIES THE USE OF PAINTS CONTAINING ZINC DUST, ZINC-BASED SOLDERS OR SPRAYED ZINC. ALL TOUCHUP AND REPAIR METHODS ARE CAPABLE OF BUILDING A PROTECTIVE LAYER TO THE THICKNESS REQUIRED BY ASTM A 780.

SAFETY & HEALTH  
WHEN WELDING DIRECTLY ON GALVANIZED STEEL IS UNAVOIDABLE, OSHA PERMISSIBLE EXPOSURE LIMITS (PELS) MAY BE EXCEEDED AND EVERY PRECAUTION, INCLUDING HIGH-VELOCITY CIRCULATING FANS WITH FILTERS, AIR RESPIRATORS AND FUME-EXTRACTION SYSTEMS SUGGESTED BY AWS, SHOULD BE EMPLOYED. FUMES FROM WELDING GALVANIZED STEEL CAN CONTAIN ZINC, IRON, AND LEAD. FUME COMPOSITION TYPICALLY DEPENDS ON THE COMPOSITION OF THE MATERIALS USED, AS WELL AS THE HEAT APPLIED BY THE PARTICULAR WELDING PROCESS. IN ANY EVENT, GOOD VENTILATION MINIMIZES THE AMOUNT OF EXPOSURE TO FUMES.

PRIOR TO WELDING ON ANY METAL, CONSULT ANSI/ASC Z-49.1, SAFETY IN WELDING, CUTTING AND ALLIED PROCESSES, WHICH CONTAINS INFORMATION ON THE PROTECTION OF PERSONNEL AND THE GENERAL AREA, VENTILATION AND FIRE PREVENTION.

INFORMATION COURTESY OF AMERICAN GALVANIZERS ASSOCIATION

TYPICAL FIELD WELD REQUIREMENTS (NAA0040)

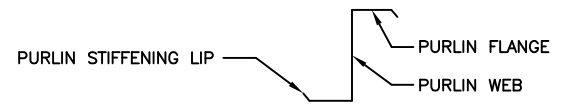


FLANGE BRACE MARK NUMBERS (NAG0003)

DATE	10/12/2022
DESIGNER	TY
CHECKER	TY
ISSUE	
ANCHOR BOLTS	
PERMITS	
FINALS	
PROJECT NAME	METRO DUMPSTER
PROJECT ADDRESS	2620 SE RANSON RD, LEE'S SUMMIT, MO 64082
CUSTOMER NAME	METRO DUMPSTER
CUSTOMER ADDRESS	LEE'S SUMMIT, MO 64082
JOB NUMBER	T2208017A
SHEET TITLE	
SHEET	D3 of 8

RELEASE FOR CONSTRUCTION  
 AS NOTED ON DRAWINGS  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 03/09/2022 11:24:32

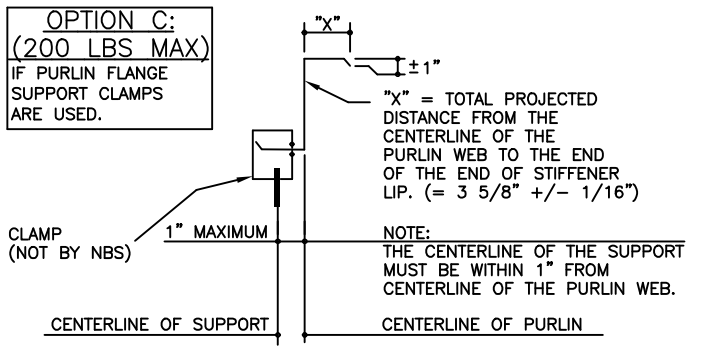
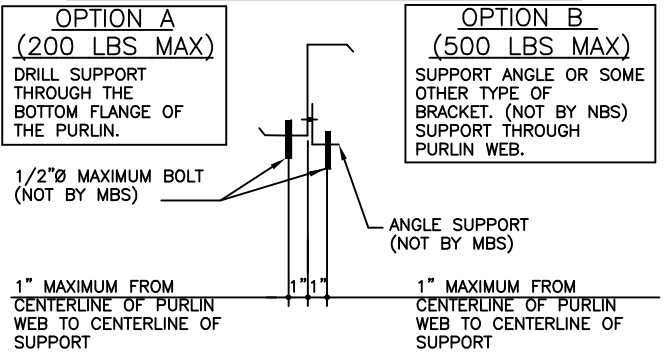
OTHERWISE NOTED, ARE ASSUMED TO BE  
 SUSPENDED SPRINKLER SYSTEMS, LIGHTING,  
 ARE SUSPENDED FROM ROOF MEMBERS,  
 THESE CONCENTRATED LOADS EXCEED 500  
 POUNDS (USING THE FLANGE  
 DETAIL), OR IF INDIVIDUAL  
 MEMBERS ARE LOADED SIGNIFICANTLY MORE  
 THAN OTHERS.



**GENERAL RESTRICTION:**

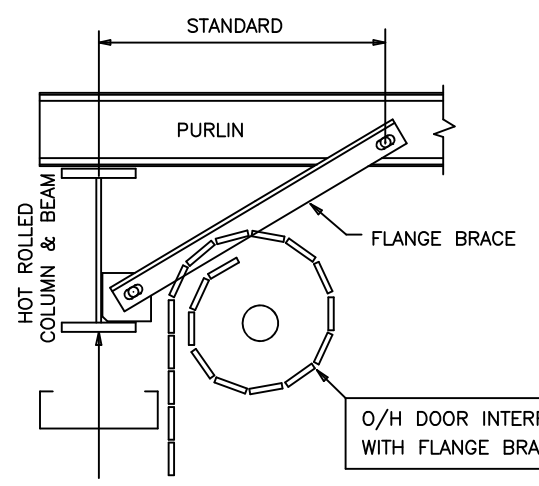
UNDER NO CIRCUMSTANCES CAN THE PURLIN STIFFENING LIP BE FIELD MODIFIED FROM THE FACTORY SUPPLIED CONDITION. ALSO DO NOT HANG ANYTHING FROM PURLIN STIFFENING LIP.

**OPTIONS FOR SUPPORT ATTACHMENTS**

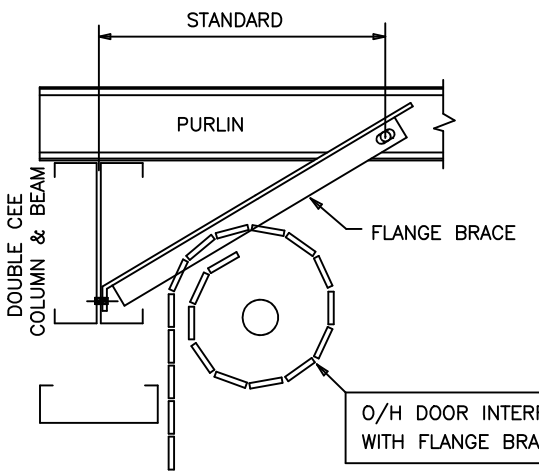


**PURLIN SUPPORT METHODS**

NBD0130



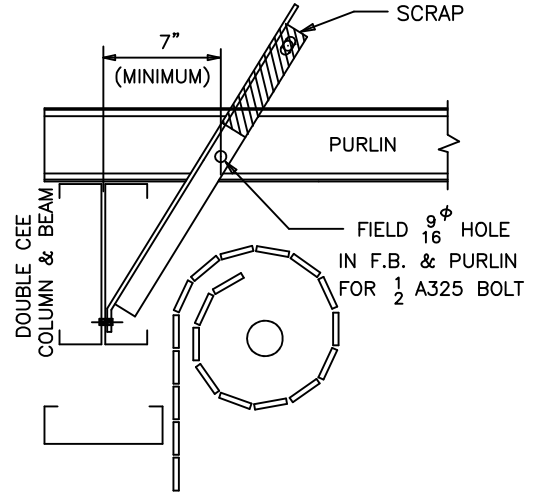
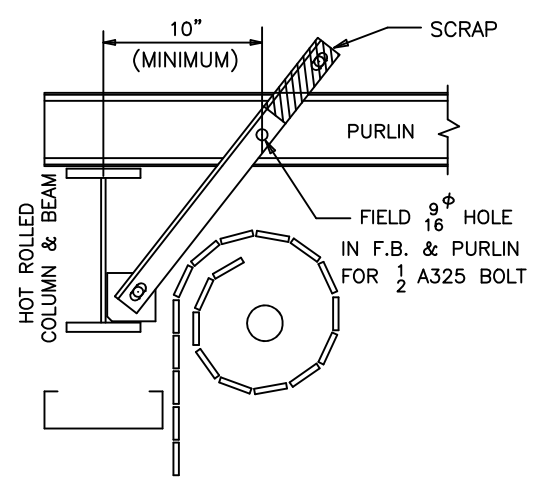
OK TO DO



OK TO DO

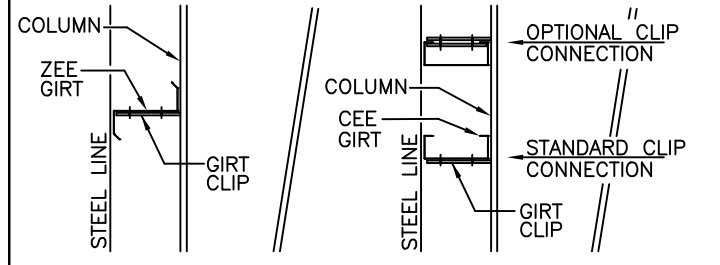
ALTERNATE DETAILS TO BE USED IF AN OVERHEAD DOOR INTERFERES WITH A FLANGE BRACE ON A COLUMN AND BEAM END FRAME. DO NOT USE WITH RIGID FRAME END FRAMES UNLESS INDIVIDUALLY APPROVED BY METAL BUILDING SUPPLIER.

**ALTERNATE COLUMN & BEAM FLANGE BRACE CONNECTION WHEN DOOR INTERFERENCE IS PRESENT**  
 (REFER TO CROSS SECTIONS & ELEVATIONS FOR PART NUMBERS)



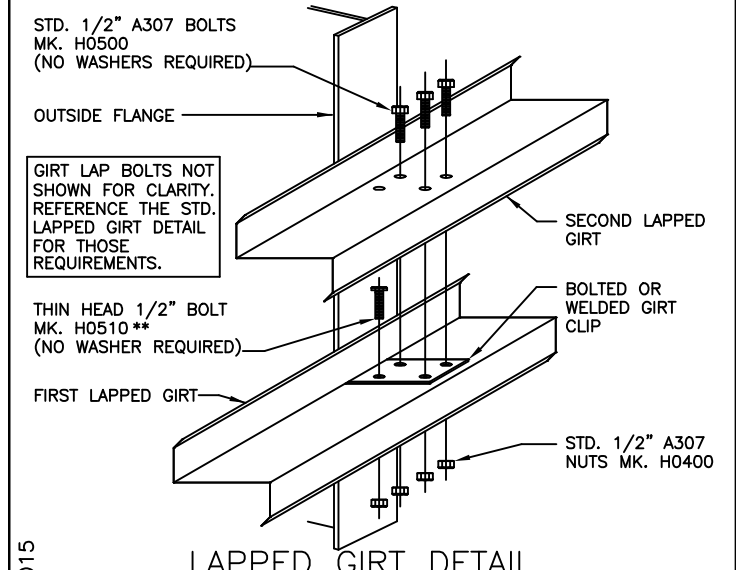
**ERECTOR NOTE:** UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD ZEE GIRT ORIENTATION IS TO HAVE THE GIRT TOED DOWN AT THE STEEL LINE AS SHOWN IN THE DETAIL BELOW.

UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD CEE GIRT ORIENTATION IS TO HAVE THE GIRT TOED UP AS SHOWN IN THE DETAIL BELOW. STANDARD CLIP ATTACHMENT IS BELOW THE GIRT, HOWEVER SOME DETAILS REQUIRE THAT THE CLIP BE ABOVE THE GIRT. (REFER TO THE GIRT DETAILS ON THE ERECTION DRAWINGS FOR REQUIREMENTS) BOTH CLIP ATTACHMENTS ARE SHOWN IN THE DETAIL BELOW.



**ZEE GIRT ORIENTATION CEE GIRT ORIENTATION**  
**STANDARD GIRT ORIENTATION DETAIL**

NOTE: BYPASS GIRT CONDITION IS SHOWN FOR REFERENCE ONLY. YOUR PROJECT MAY HAVE FLUSH OR INSET GIRTS.



**LAPPED GIRT DETAIL**  
 LAPPED GIRTS @ INTERIOR BAY COLUMNS  
 \*\* THE THIN HEAD 1/2" A307 BOLT MUST BE INSTALLED INTO THE FIRST GIRT AND CLIP OF A LAPPED CONDITION. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE SECOND LAPPED GIRT BEING INSTALLED.

DATE	BY	CHK	ENG	DATE
10/12/2022	TY	ARK	ARK	10/12/2022
10/12/2022	TY	ARK	ARK	10/20/2022

**TOPLINE STEEL BUILDINGS**  
 13323 SW BUTLER ROAD  
 ROSE HILL, KS 67133  
 PHONE (800) 369-3882

**PROJECT NAME**  
 METRO DUMPSTER  
 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082

**CUSTOMER NAME**  
 METRO DUMPSTER  
 LEE'S SUMMIT, MO 64082

**JOB NUMBER**  
 T2208017A

**SHEET TITLE**  
 SHEET

**PROJECT NAME**  
 METRO DUMPSTER  
 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082

**CUSTOMER NAME**  
 METRO DUMPSTER  
 LEE'S SUMMIT, MO 64082

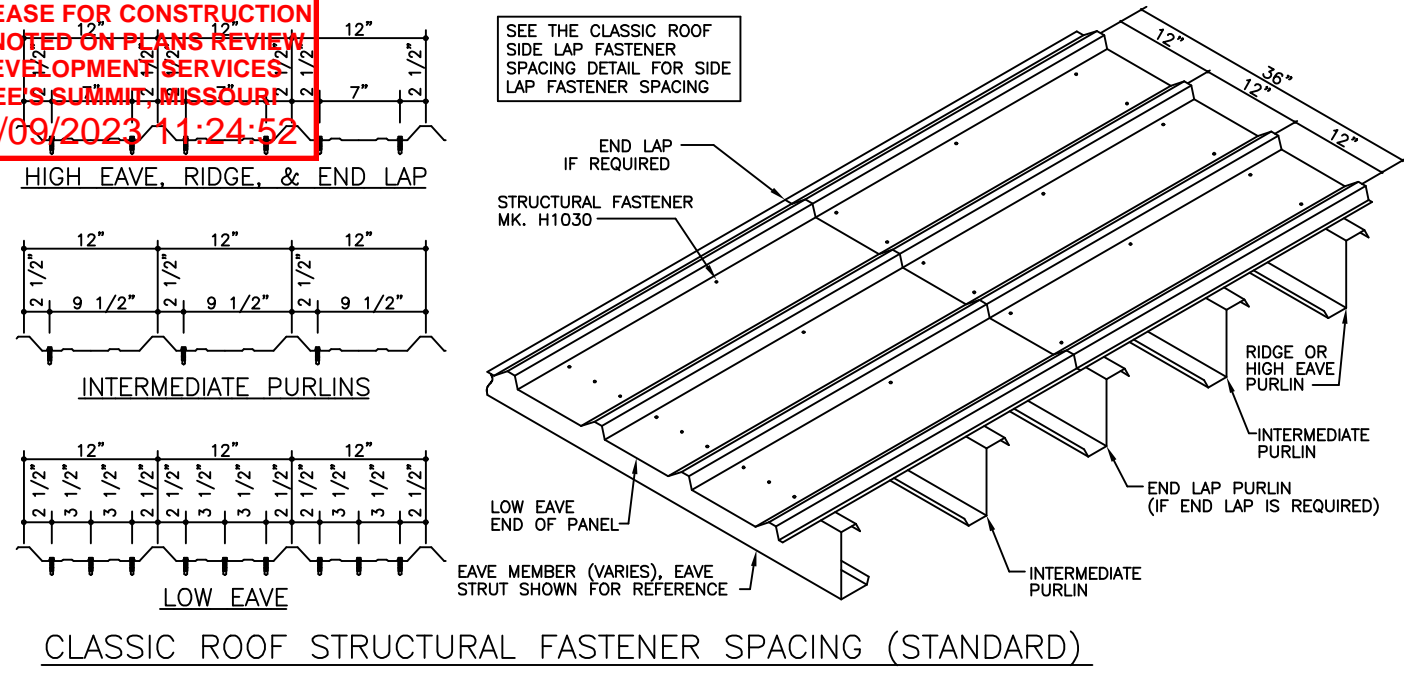
**JOB NUMBER**  
 T2208017A

**SHEET TITLE**  
 SHEET

The seal remains only in the manufacturer's possession and is not to be removed from the drawings. The drawings and the metal buildings which they represent are the property of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer or record and seal for the construction of such.

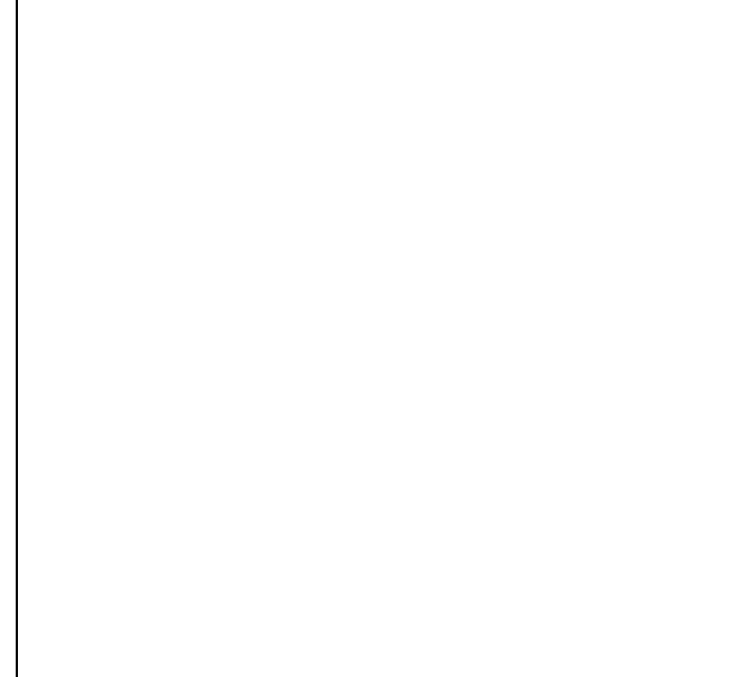
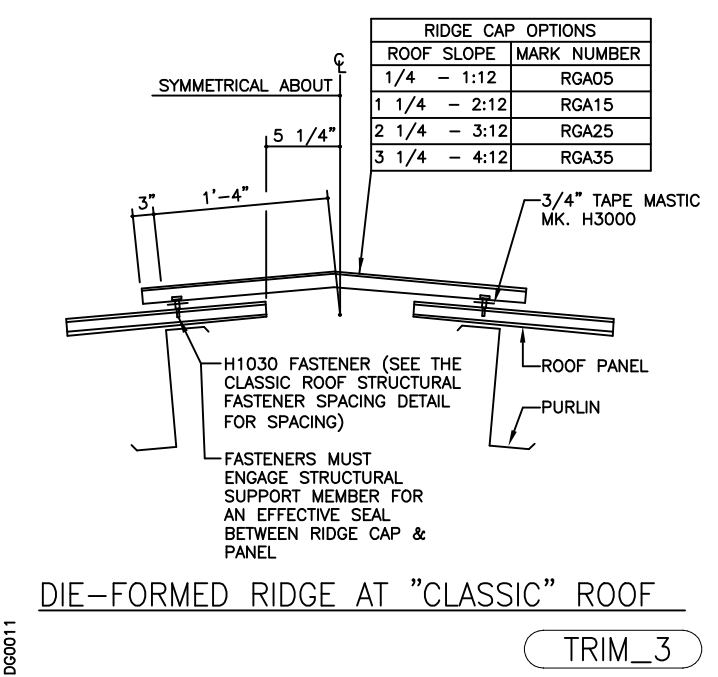
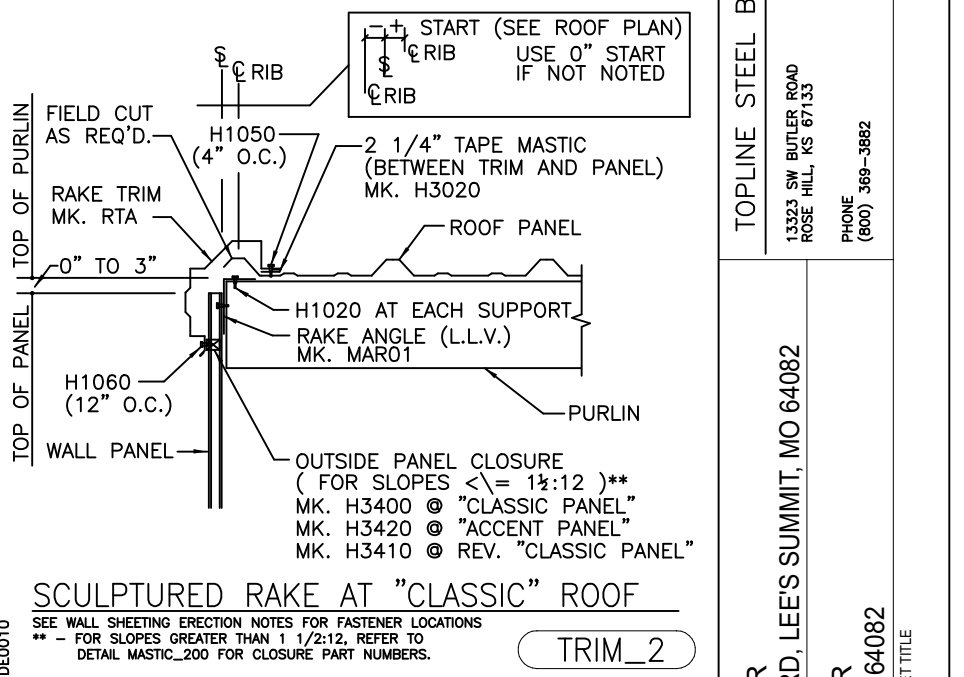
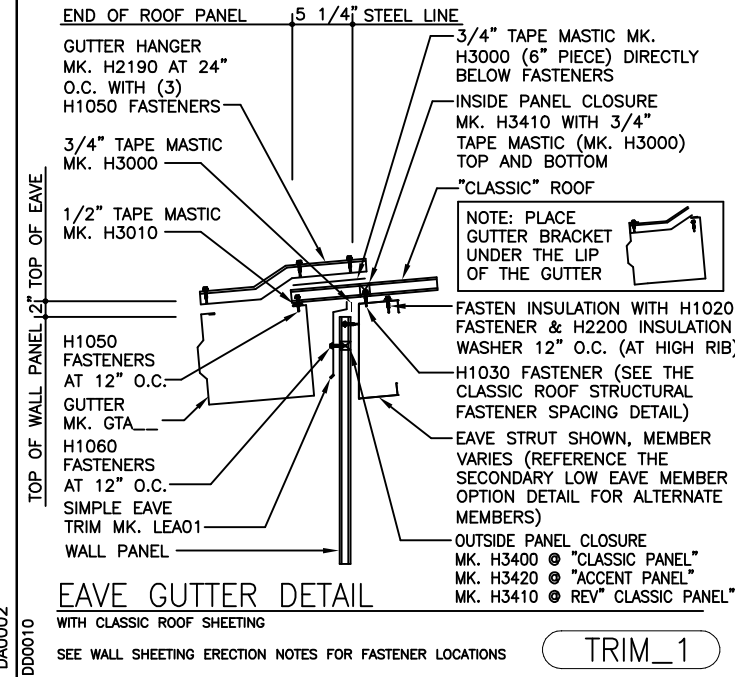
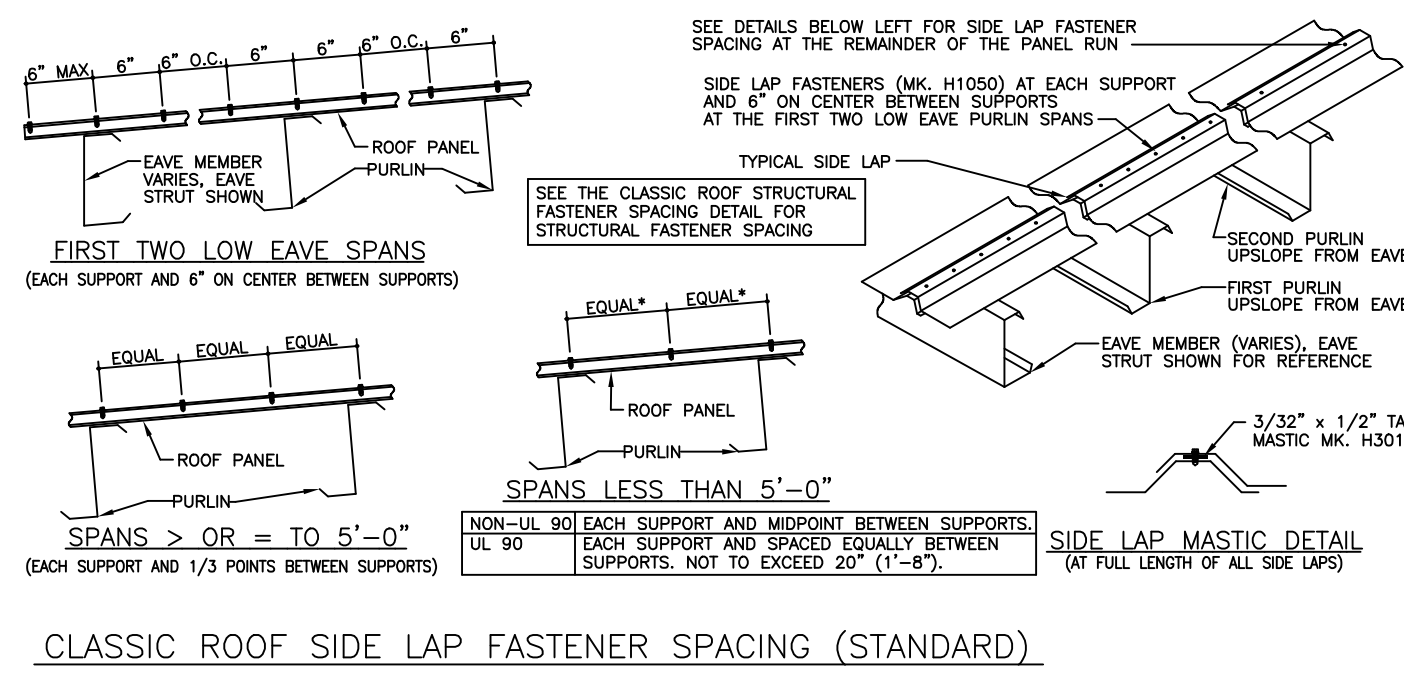
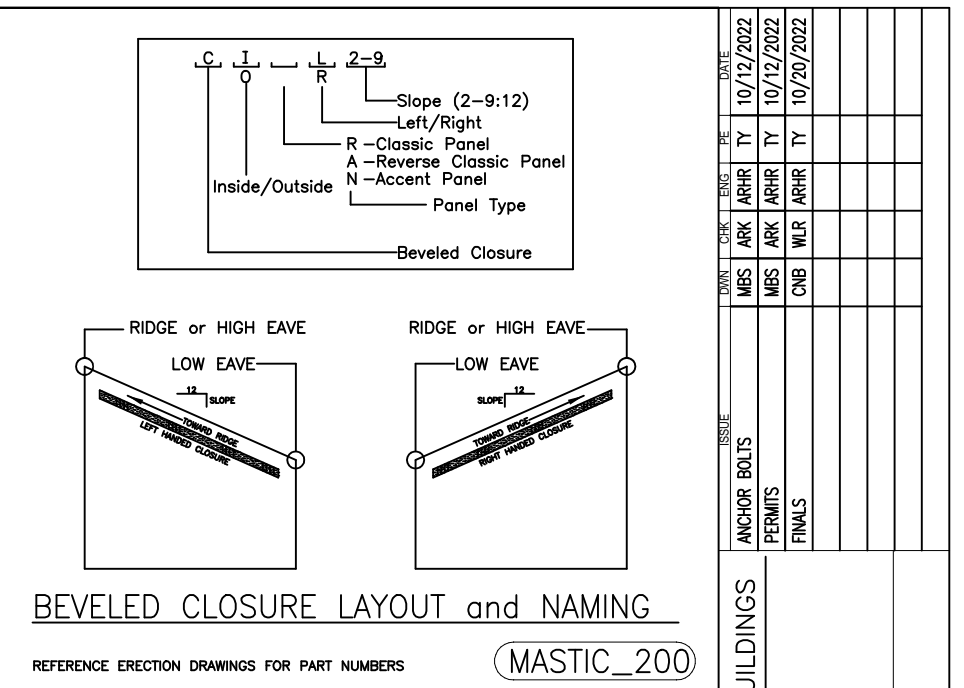


RELEASE FOR CONSTRUCTION  
 AS NOTED ON PLANS REVIEW  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 03/09/2023 11:24:52



### STANDARD FASTENER SCHEDULE

<b>H1000</b> SELF-TAPPING SCREW (GOOF SCREW) 17-14 x 1 1/4" WITH WASHER LONG LIFE FASTENER 3/8" HEAD	<b>H1042</b> SELF-DRILLING SCREW 12-14 x 7/8" TCP3 W/O WASHER 5/16" HEAD	<b>H1070</b> SELF-DRILLING SCREW 12-24 x 1 1/2" TCP5 W/O WASHER 5/16" HEAD 1/2" THK MAX DRILLING CAPACITY
<b>H1020</b> SELF-DRILLING SCREW 1/4-14 x 1 1/4" TCP3 W/O WASHER 5/16" HEAD 3/16" THK MAX DRILLING CAPACITY	<b>H1045</b> SELF-DRILLING SCREW 12-14 x 2" TCP3 W/O WASHER 5/16" HEAD	<b>H1100</b> 1/8" x 3/16" STAINLESS STEEL BLIND POP RIVET
<b>H1030</b> SELF-DRILLING SCREW 12-14 x 1 1/4" TCP2 WITH WASHER LONG LIFE FASTENER 5/16" HEAD	<b>H1047</b> SELF-DRILLING SCREW 12-14 x 2" TCP3 FLAT TOP WITH WASHER 5/16" HEAD	<b>H1110</b> 3/8" STAINLESS GROMMET FASTENER
<b>H1035</b> SELF-DRILLING SCREW 12-14 x 1 1/2" TCP2 WITH WASHER LONG LIFE FASTENER 5/16" HEAD	<b>H1050</b> SELF-DRILLING SCREW 1/4-14 x 7/8" TCP1 WITH WASHER LONG LIFE FASTENER 5/16" HEAD	<b>H1220</b> SELF-DRILLING SCREW 12-14 x 1" TCP3 W/O WASHER PHILLIPS HEAD
<b>H1040</b> SELF-DRILLING SCREW 12-14 x 1 1/4" TCP2 W/O WASHER 5/16" HEAD	<b>H1060</b> SELF-DRILLING SCREW 1/4-14 x 7/8" TCP1 W/O WASHER 5/16" HEAD	<b>PRE-DRILL DIAMETERS</b> 3/16" FOR: H1020, H1070 5/32" FOR: H1030, H1035, H1040, H1041, H1042, H1045, H1047, H1220 1/8" FOR: H1050, H1060, H1061
<b>H1041</b> SELF-DRILLING SCREW 12-14 x 1 1/4" TCP2 FLAT TOP WITH WASHER 5/16" HEAD	<b>H1061</b> SELF-DRILLING SCREW 1/4-14 x 7/8" TCP1 FLAT TOP WITH WASHER 5/16" HEAD	



DATE	10/12/2022	DATE	10/12/2022
DESIGNER	TY	DATE	10/20/2022
CHK	ARK	DATE	
APP	ARK	DATE	
REV	ARK	DATE	
REV	WLR	DATE	
ANCHOR BOLTS		ANCHOR BOLTS	
PERMITS		PERMITS	
FINALS		FINALS	
PROJECT NAME	METRO DUMPSTER	PROJECT NAME	METRO DUMPSTER
CUSTOMER NAME	2620 SE RANSON RD, LEE'S SUMMIT, MO 64082	CUSTOMER NAME	METRO DUMPSTER
JOB NUMBER	T2208017A	JOB NUMBER	T2208017A
PHONE	(800) 368-3882	PHONE	(800) 368-3882
ADDRESS	13323 SW BUTLER ROAD ROSE HILL, KS 67133	ADDRESS	13323 SW BUTLER ROAD ROSE HILL, KS 67133
SHEET	D5 of 8	SHEET	D5 of 8

DC0011



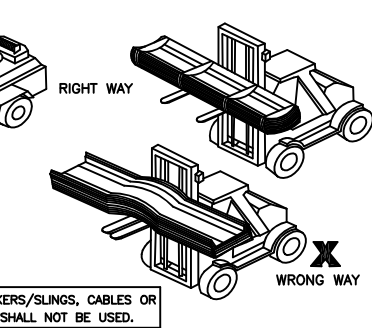
**CLAIMS & FILING CLAIMS**

THIS BUILDING IS DESIGNED, MANUFACTURED, AND DELIVERED IN ACCORDANCE WITH MOST RECENT ADDITION OF THE M.B.M.A. METAL BUILDING SYSTEMS MANUAL. CONSULT THE INFORMATION IN THE "COMMON INDUSTRY PRACTICES" SECTION.

CHECK SHIPMENT AGAINST DELIVERY TICKETS DURING UNLOADING.  
 NOTE ANY DAMAGE OR DISCREPANCIES ON THE DELIVERY TICKETS BEFORE SIGNING AS RECEIVER.  
 METAL BUILDING SUPPLIER IS NOT RESPONSIBLE FOR CARRIER DAMAGE OR DISCREPANCIES NOT NOTED ON THE DELIVERY TICKETS.  
 THE CUSTOMER ASSUMES FULL RESPONSIBILITY FOR THE CONDITION OF THIS MATERIAL AFTER DELIVERY BY THE TRUCKING COMPANY.  
 METAL BUILDING SUPPLIER IS NOT RESPONSIBLE FOR ITEMS ACCEPTED IN QUESTIONABLE CONDITION.  
 UPON ACCEPTANCE OF SHIPMENT(S), THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER STORAGE AND HANDLING OF MATERIALS AS DESCRIBED IN METAL BUILDING SUPPLIER'S DOCUMENTATION.  
 METAL BUILDING SUPPLIER IS NOT RESPONSIBLE FOR INJURY, DAMAGE, OR LOSS AS A RESULT OF IMPROPER STORAGE AND/OR HANDLING.  
 ALL CLAIMS MUST BE FILED WITH METAL BUILDING SUPPLIER'S QUALITY SERVICES REPRESENTATIVE PRIOR TO ANY FIELD MODIFICATIONS OR PURCHASES THAT MAY RESULT IN A CHARGE TO METAL BUILDING SUPPLIER.

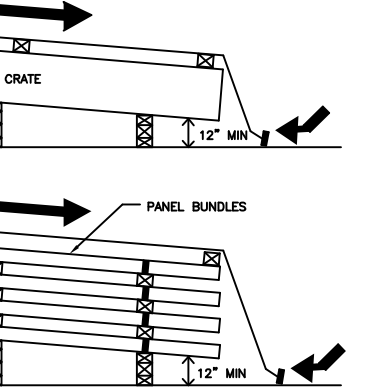
**HANDLING MATERIALS**

WALL PANELS ARE ROLLED AND BANDED, WITH A COVER PANEL PLACED TOP AND BOTTOM.  
 PANEL BUNDLE WEIGHT CAN BE FOUND ON I.D. TAG AT LOW END OF EACH BUNDLE. MAXIMUM WEIGHT IS 4,300 POUNDS.  
 BUNDLES UP TO 25 FEET CAN BE HANDLED USING A FORKLIFT. FORKS MUST BE SPACED A MINIMUM OF FIVE FEET APART.  
 BUNDLES OVER 25 FEET SHOULD BE HANDLED WITH A CRANE USING A SPREADER BAR AND NYLON SLINGS. LIFTING SHOULD OCCUR AT CENTER OF GRAVITY.  
 LOCATE SLINGS AT 1/4 OF THE LENGTH OF THE PANEL FROM EACH END OF THE BUNDLE.  
 TRIM CRATES/BOXES ARE TO BE HANDLED THE SAME AS PANEL BUNDLES.



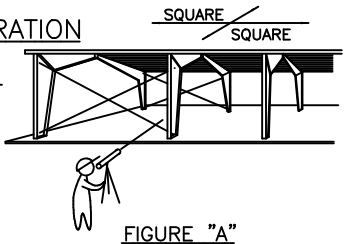
**STORING MATERIALS**

PANEL AND TRIM BUNDLES / CRATES SHOULD BE BLOCKED 12 INCHES ABOVE GRADE AND ELEVATE ONE END TO ALLOW MOISTURE TO DRAIN. IF THE PANELS ARE WET, THE BUNDLES SHOULD BE OPENED AND THEN THE PANELS SHOULD BE DRIED AND RE-STACKED TO PREVENT DAMAGE.  
 LOOSELY COVER WITH WATERPROOF TARP TO ALLOW PROPER AIR CIRCULATION. INSPECT DAILY AND DRY IF NECESSARY.  
 ACCESSORIES MUST BE KEPT DRY AND FREE OF CONTAMINATION. STORE INDOORS IF POSSIBLE.  
**IMPORTANT NOTE:** THE FINISH ON THESE PANELS MAY NOT PERFORM AS INTENDED IF NOT ERECTED WITHIN DAYS FROM RECEIPT AT THE JOB SITE. THE FINISH IS ALSO SUBJECT TO SEVERE DAMAGE IF MOISTURE, DEBRIS, OR DUST IS ALLOWED TO GET BETWEEN THE PANELS; THEREFORE, PANELS MUST BE STORED UNDER COVER WITH ONE END ELEVATED TO ALLOW FOR DRAINAGE AND PROTECTION AGAINST MOISTURE, DUST, OR DEBRIS UNTIL ERECTED. THE MANUFACTURER WILL NOT ACCEPT CLAIMS FOR NON-PERFORMING PANELS IF NOT PROPERLY STORED AT THE JOBSITE. THE CUSTOMER ASSUMES FULL RESPONSIBILITY FOR THE CONDITION OF THIS MATERIAL AFTER DELIVERY BY THE TRUCKING COMPANY.

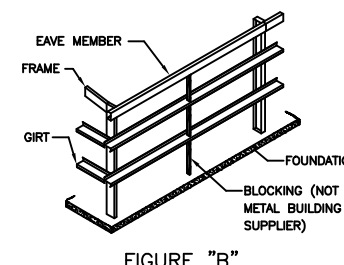


**BUILDING & PANEL PREPARATION**

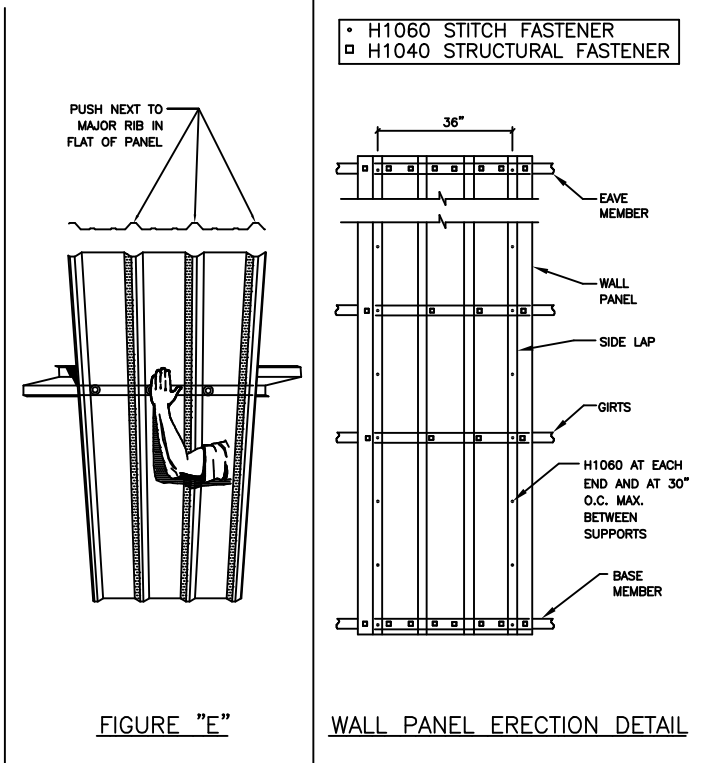
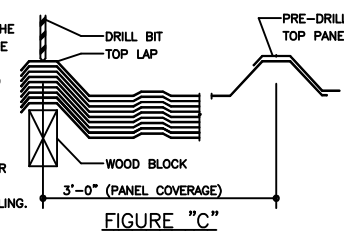
**STEP 1: PLUMB AND SQUARE**  
 THE FIRST STEP IN THE SUCCESSFUL INSTALLATION OF WALL PANELS IS TO HAVE THE PRIMARY FRAMING PLUMB AND SQUARE. FOR BEST RESULTS, IT IS RECOMMENDED THAT A TRANSIT BE USED WHEN ERECTING THE STRUCTURAL STEEL. MAKE SURE THAT THE FOUNDATION AND BUILDING STRUCTURE IS SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS. SEE FIGURE "A"



**STEP 2: GIRT BLOCKING**  
 BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING THE WALL SHEETING OR INSULATION. CHECK TO BE SURE THAT THE EAVE STRUT AND GIRTS ARE STRAIGHT AND PLUMB. TO ALIGN THE GIRTS, CUT TEMPORARY WOOD BLOCKING TO THE PROPER LENGTH AND INSTALL BETWEEN THE LINES OF GIRTS. THIS BLOCKING CAN BE MOVED FROM BAY TO BAY WHICH WILL REDUCE THE NUMBER OF PIECES REQUIRED. NORMALLY, ONE LINE OF BLOCKING PER BAY WILL BE SUFFICIENT BUT WIDER BAYS MAY REQUIRE MORE. IT IS RECOMMENDED TO BLOCK AT LEAST TWO BAYS AND LEAP FROM THE BLOCKING AS A BAY IS SHEETED. BLOCKING SHOULD NOT BE REMOVED UNTIL THE FULL BAY HAS BEEN SHEETED. SEE FIGURE "B"



**STEP 3: PRE-DRILL PANEL LAP**  
 STACK PANELS WITH ENDS FLUSH ON A LEVEL PLACE ON THE GROUND IN PILES NOT EXCEEDING 10 PANELS. THEN PLACE SMALL WOODEN BLOCKS UNDER SIDE LAPPING EDGE OF STACK OF PANELS TO HOLD THEM AT CORRECT HEIGHT AND POSITION WHILE DRILLING FASTENER HOLES. HOLD PANELS TIGHTLY TOGETHER AT EACH END WITH CLAMPING PLIERS. CAREFULLY MARK POSITIONS FOR SIDELAP FASTENERS ON TOP OF HIGH RIB. FASTENERS SHOULD BE LOCATED "ON CENTER" OF HIGH RIB. DRILL HOLES FOR "STITCH" FASTENER (USE #11-7/32" - 15/64" DRILL-BIT) ON TOP SHEET OF SIDELAP. BE SURE PANELS ARE WELL NESTED BEFORE DRILLING. SEE FIGURE "C"

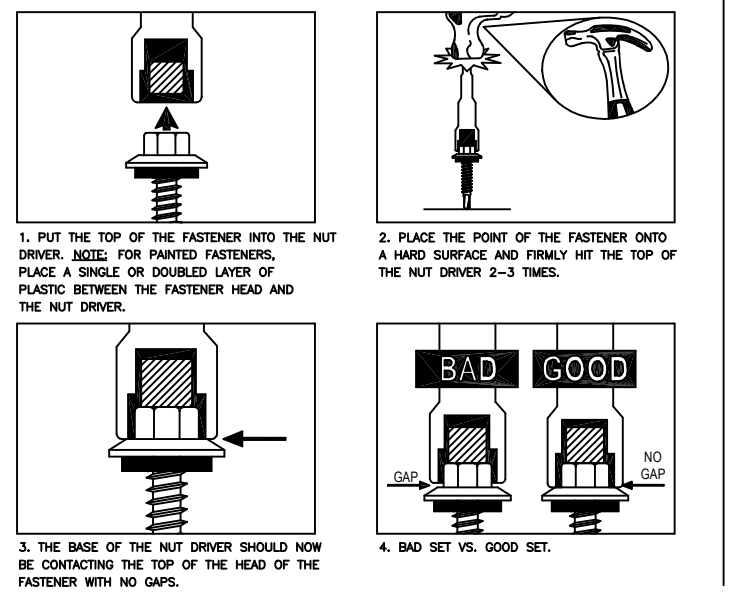


**FIELD CUTTING PANELS**

WHEN FIELD CUTTING OR MITERING WALL PANELS, NON-ABRASIVE CUTTING TOOLS SUCH AS NIBBLERS OR TIN-SNIPS SHALL BE USED. ABRASIVE CUTTING TOOLS SUCH AS MECHANICAL GRINDERS OR POWER SAWS CAN DAMAGE THE MATERIAL FINISH AND CREATE EXCESS METAL SHAVINGS THAT CAN CORRODE THE PANELS. THE USE OF NON-APPROVED CUTTING DEVICES MAY VOID THE FACTORY WARRANTY.  
 ANY METAL SHAVINGS THAT ARE CREATED NEED TO BE CLEANED FROM THE PANEL TO PREVENT SCRATCHING AND/OR CORROSION. THE MANUFACTURER WILL NOT ACCEPT CLAIMS FOR DAMAGE/DETERIORATION DUE TO USE OF UNAPPROVED TOOLS.

**FASTENER INSTALLATION**

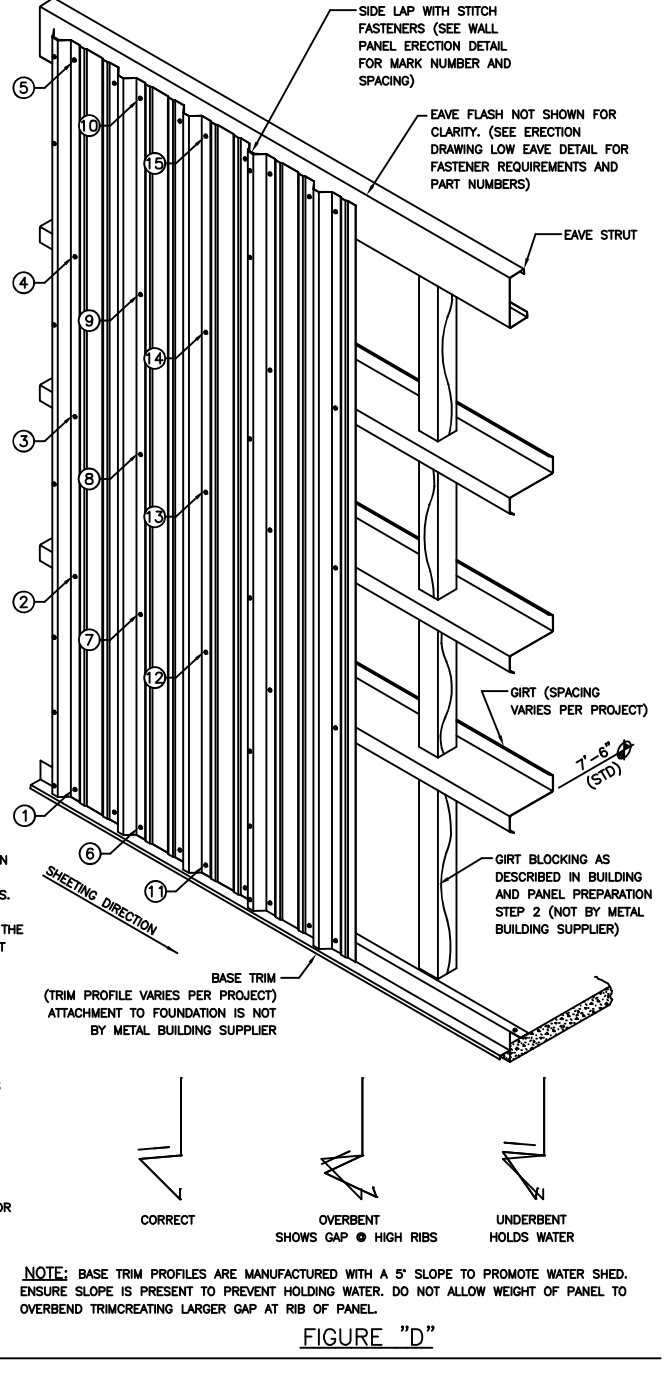
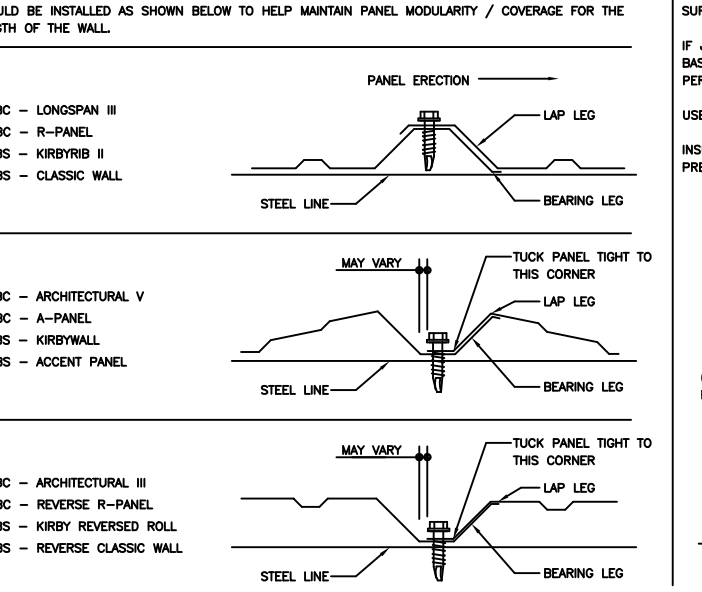
**RECOMMENDED TOOL TYPES: SEE ALSO FASTENER SCHEDULE**  
 4 AMP OR HIGHER RATED TOOLS (DO NOT USE IMPACTING TOOLS)  
 2000 - 2500 RPM SCREW GUN WITH TORQUE ADJUSTABLE CLUTCH  
 MANUAL OR ELECTRIC RIVET TOOL  
**DO NOT USE IMPACTING TOOLS**  
 TO ASSURE PROPER VOLTAGE TO THE TOOL, EXTENSION CORDS SHOULD BE CHECKED FOR PROPER WIRE SIZE/CORD LENGTH.  
 16 GAGE WIRE, MAXIMUM CORD LENGTH = 100'  
 14 GAGE WIRE, MAXIMUM CORD LENGTH = 200'  
 12 GAGE WIRE, MAXIMUM CORD LENGTH = 300'  
**DRIVING TIPS:**  
 SET THE NUT DRIVER AS DESCRIBED BELOW PRIOR TO INSTALLING FASTENERS TO PREVENT FASTENER WOBBLE.  
 COMPRESS THE INSULATION AT FASTENER LOCATION WITH ONE HAND WHILE DRIVING THE FASTENER WITH THE OTHER. THIS WILL HELP KEEP THE PANEL FLAT AND PREVENT THE FASTENER FROM "WALKING". DRIVE FASTENERS PERPENDICULAR TO PANEL SURFACE.  
 EXCESSIVE PRESSURE CAN CAUSE DRILL POINT FAILURE. LET THE FASTENER DO THE WORK.  
 DO NOT OVER TIGHTEN FASTENERS AS THIS WILL LEAD TO PANEL DIMPLING AND DISTORTION.



**PANEL INSTALLATION & FASTENER SEQUENCE**

**STEP 1: INSTALL FIRST PANEL**  
 INSTALL THE FIRST WALL PANEL AT THE BUILDING CORNER AND ALIGN THE PANEL RIB WITH THE STEEL LINE AS SHOWN IN THE CORNER DETAILS USING THE START/FINISH DIMENSION SHOWN ON THE PLAN. IT IS EXTREMELY IMPORTANT THAT THE FIRST WALL PANEL IS INSTALLED PLUMB AND SQUARE. USE A LEVEL OR A TRANSIT TO AID IN THIS PROCESS.  
 PLACE A 1/8" SHIM ON THE BASE TRIM UNDER THE PANEL TO HOLD THE PANEL OFF THE BASE TRIM. ENSURE THAT THE WEIGHT OF THE PANEL DOES NOT FORCE BASE TRIM TO EXCESSIVELY BEND DOWN. BASE TRIM SHOULD HAVE A SLIGHT SLOPE TO ALLOW WATER TO RUN OUT AND NOT SIT ON BASE TRIM. SEE FIGURE "D" - TO RIGHT  
 WHEN INSTALLING THE PANEL, APPLY PRESSURE EVENLY TO AVOID DISTORTING THE PANEL AND CAUSING OIL CANNING. SEE FIGURE "E" - ABOVE  
**RECOMMENDED PANEL FASTENING SEQUENCE IS SHOWN TO THE RIGHT. THIS PATTERN AIDS IN PLUMBING AS WELL AS MAINTAINING PANEL COVERAGE / MODULARITY. SOME APPLICATIONS MAY REQUIRE MODIFIED SEQUENCE AND WILL BE BEST DETERMINED IN THE FIELD. DO NOT ATTACH PANEL AT BASE AND TOP AND WORK TOWARD THE MIDDLE OF THE PANEL. THIS CREATES OIL CANNING. MANUFACTURER IS NOT RESPONSIBLE FOR FINAL APPEARANCE OF INSTALLED PANEL.**  
**STEP 2: INSTALL SUBSEQUENT PANELS**  
 INSTALL THE SECOND PANEL BY LAYING THE LAP EDGE OVER THE BEARING RIB OF THE FIRST PANEL. SEE BELOW FOR PROPER ALIGNMENT AT SIDELAP. CHECK PANEL PLUMBNESS AND FASTEN PANEL IN THE SAME SEQUENCE STARTING WITH THE STRUCTURAL FASTENERS ALONG THE LAP TO ENSURE A TIGHT SIDELAP. CONTINUE FOR THE REMAINDER OF THE WALL, CUTTING PANELS AROUND FRAMED OPENINGS AS REQUIRED. (TRIM SHOULD BE INSTALLED AROUND OPENINGS PRIOR TO INSTALLING PANEL)  
**RECOMMENDED TIPS:**  
 WALL PANELS CAN BE INSTALLED LEFT TO RIGHT OR RIGHT TO LEFT. IT IS RECOMMENDED TO INSTALL SHEETS STARTING OPPOSITE THE PREVAILING VIEW / WIND SO THAT THE SIDELAP SEAM IS AWAY AND LESS NOTICEABLE.

**PANEL ORIENTATION AND ALIGNMENT**



**BASE TRIM LAP SEALANT**

AT BASE TRIM LAPS, APPLY A BEAD OF POLYURETHANE TUBE CAULK (H3152) TO ALL ADJOINING SURFACES AND LAP 1". SEE BASE TRIM DETAIL FOR THE SPECIFIC TRIM FOR YOUR PROJECT.  
 IF JOB HAS OPTIONAL FOAM PANEL CLOSURES ORDERED AT BASE, ATTACH TO INSIDE OF WALL PANEL AT BASE AND FASTEN THROUGH PANEL AND CLOSURE, INTO BASE TRIM. FASTENING PATTERN WILL VARY PER WALL PANEL TYPE. REFER TO THE WALL PANEL ERECTION DETAIL FOR MORE FASTENING INFO.  
 USE SUPPLIED BASE CORNER PIECES OR FIELD MITRE BASE TRIM AT CORNERS.  
 INSULATION HINT: AT THE BASE, FOLD THE INSULATION VAPOR BARRIER OVER THE FIBER TO HELP PREVENT WATER FROM WICKING.  
 IT IS RECOMMENDED THAT THE EXPOSED EDGE OF THE TRIM LAPS BE CAULKED IN ORDER TO HELP PREVENT RUSTING.  
 FIELD NOTCH THE "BACK" VERTICAL LEG OF THE BASE TRIM 1" AT ALL LAPS.  
 POLYURETHANE TUBE CAULK (TYP)  
 TUBE CAULK (APPLY TO ALL (4) ADJOINING SURFACES)  
**WALL SHEETING GENERAL NOTES**  
 TRIM\_698

DATE	ISSUE	CHK	ENG	DRN
10/12/2022		ARK	TY	
10/12/2022		ARK	TY	
10/20/2022		WLR	TY	

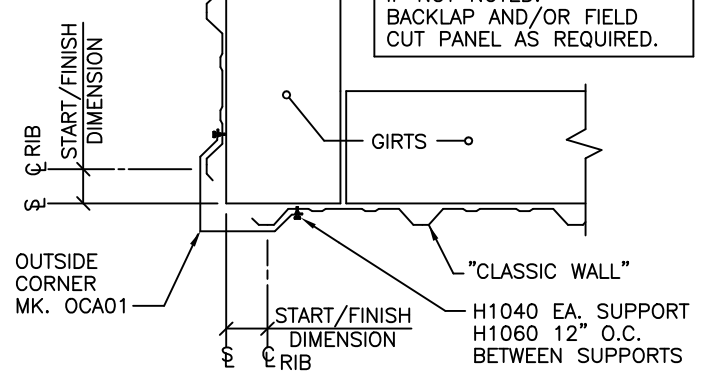
**TOPLINE STEEL BUILDINGS**  
 13323 SW BUTLER ROAD  
 ROSE HILL, KS 67133  
 PHONE (800) 369-3882

**PROJECT NAME**  
 METRO DUMPSTER  
 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082  
**CUSTOMER NAME**  
 METRO DUMPSTER  
 LEE'S SUMMIT, MO 64082  
**JOB NUMBER**  
 T2208017A  
**SHEET TITLE**

**THESE DRAWINGS ARE THE PROPERTY OF TOPLINE STEEL BUILDINGS. THEY ARE NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF TOPLINE STEEL BUILDINGS. THE MANUFACTURER IS NOT RESPONSIBLE FOR THE USE OF THESE DRAWINGS IN ANY MANNER OTHER THAN THAT INTENDED BY THE MANUFACTURER. THE MANUFACTURER WILL NOT ACCEPT CLAIMS FOR DAMAGE/DETERIORATION DUE TO USE OF UNAPPROVED TOOLS.**

**RELEASE FOR CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
03/09/2023 11:24:53**

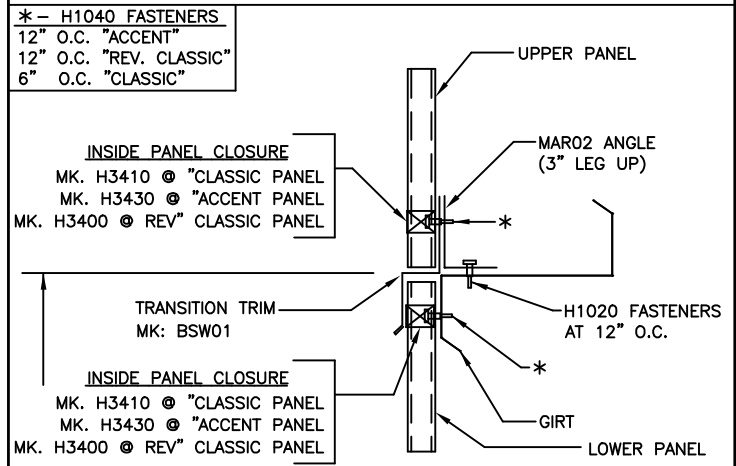
**NOTE:**  
SEE PLAN FOR START/FIN  
DIMENSION. USE 0" START  
IF NOT NOTED.  
BACKLAP AND/OR FIELD  
CUT PANEL AS REQUIRED.



**OUTSIDE CORNER TRIM**

GC0021 WITH "CLASSIC" WALL PANEL **TRIM\_79**

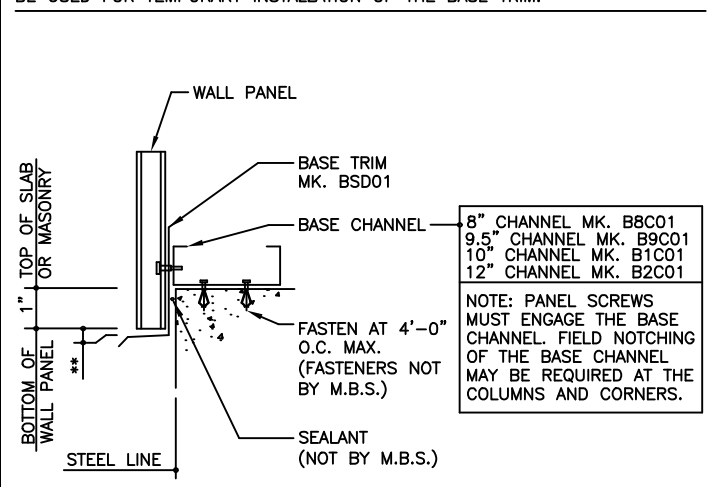
**ERECTOR NOTE:**  
AFTER LOWER PANELS ARE INSTALLED, USE (3) H1040 SCREWS FOR TEMPORARY INSTALLATION OF EACH PIECE OF TRANSITION TRIM.



**WAINSCOT TRANSITION**

GB0300 SEE WALL SHEETING ERECTION NOTES FOR FASTENER LOCATIONS **TRIM\_150**

**ERECTOR NOTE:**  
UNTIL WALL PANELS ARE INSTALLED, (3) H1040 SCREWS ARE TO BE USED FOR TEMPORARY INSTALLATION OF THE BASE TRIM.



**BASE TRIM WITH CHANNEL**

GB0050 SEE WALL PANEL ERECTION NOTES FOR FASTENER LOCATIONS \*\* - 1/8" GAP RECOMMENDED FOR WATER DRAINAGE **TRIM\_202**

The seal remains only for the manufacturer's use. The sealant is supplied by the Metal Building Manufacturer. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer of record and shall not be construed as such.

**PROJECT NAME**  
METRO DUMPSTER  
2620 SE RANSON RD, LEE'S SUMMIT, MO 64082

**CUSTOMER NAME**  
METRO DUMPSTER  
LEE'S SUMMIT, MO 64082

**JOB NUMBER**  
T2208017A

**SHEET TITLE**

**TOPLINE STEEL BUILDINGS**  
13323 SW BUTLER ROAD  
ROSE HILL, KS 67133  
PHONE  
(800) 369-3882

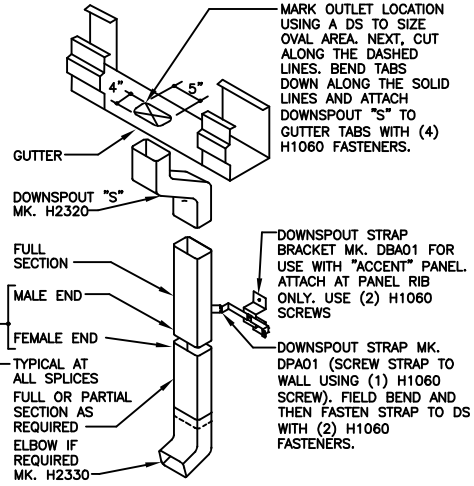
ISSUE	CHK	ENG	DE	DATE	
ANCHOR BOLTS	MBS	ARK	ARHR	TY	10/12/2022
PERMITS	MBS	ARK	ARHR	TY	10/12/2022
FINALS	CMB	WLR	ARHR	TY	10/20/2022

RELEASE FOR CONSTRUCTION  
 AS NOTED ON PLANS REVIEW  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 03/09/2023 11:14:53

COVER TRIM	
CCA	(USE AT 8" CEE)
CCB	(USE AT 10" CEE)
CCC	(USE AT 12" CEE)
CCD	(USE AT 9 1/2" CEE)
CSA	(USE AT 8" STRUCTURAL CEE)
CSC	(USE AT 12" STRUCTURAL CEE)
CCD	(USE AT 9 1/2" STRUCTURAL CEE)
CCF	(USE AT 8" HEADER WRAP)
CCG	(USE AT 10" HEADER WRAP)
CCH	(USE AT 9 1/2" HEADER WRAP)

USE (4) POP RIVETS MK. H1100 AT ALL ELBOW, "S", AND DOWNSPOUT CONNECTIONS U.N.O.

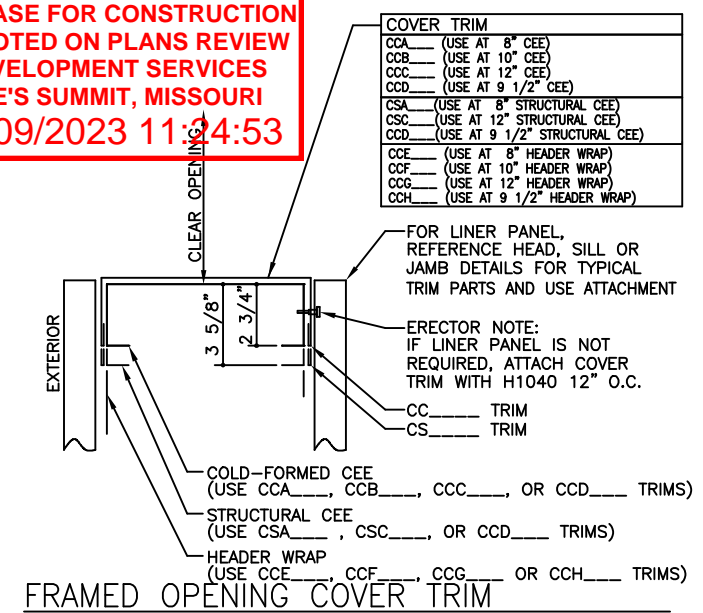
**ERECTOR NOTES:**  
 1. MITERING OF THE "S" WILL BE REQUIRED AT SLOPES OVER 4:12 FOR PROPER LINE UP WITH THE DOWNSPOUT.  
 2. IF THIS PROJECT CONTRACT SPECIFIES "S" SHAPES AT THE BOTTOM OF THE DOWNSPOUT IN LIEU OF ELBOWS, SEE DETAIL \_\_\_\_  
 3. FIELD WORK (2) ELBOWS AS REQUIRED AT INSET/OUTSET WALL CONDITION.  
 4. LOCATE DS STRAPS ONE AT EVERY "S", ELBOW AND DS SPLICE.



DOWNSPOUT STRAP (MK. # DPA01) AND STRAP BRACKETS (MK. DBA01) ARE ALSO PROVIDED FOR MASONRY WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS. FASTENERS TO MASONRY ARE NOT PROVIDED BY THE M.B.S. H1060 FASTENERS ARE PROVIDED FOR COLUMN ATTACHMENT APPLICATIONS. PRE-DRILLING WILL BE REQUIRED.

**STANDARD GUTTER AND DOWNSPOUT**

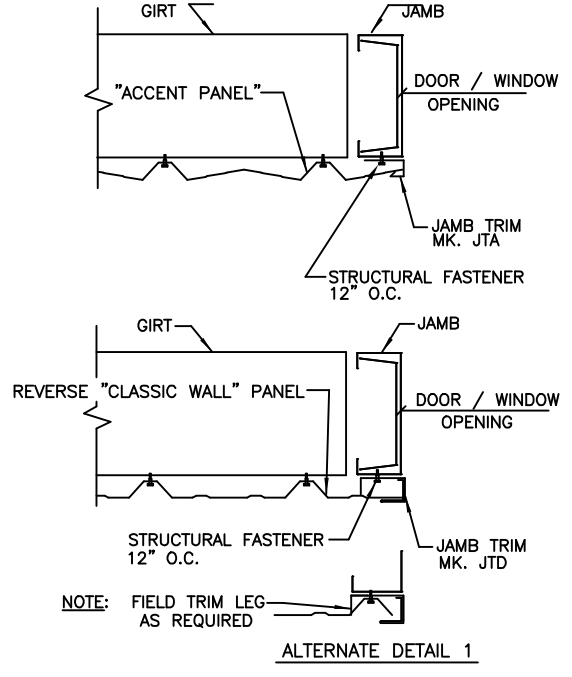
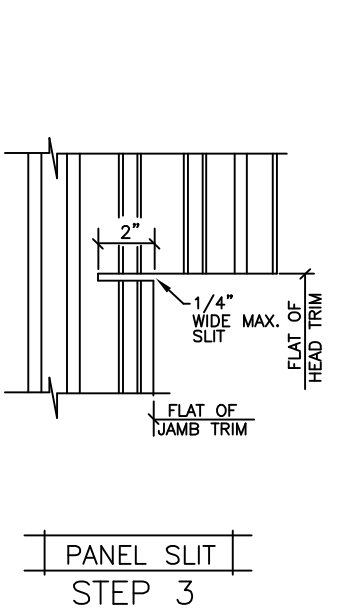
REFERENCE GUTTER AND DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS



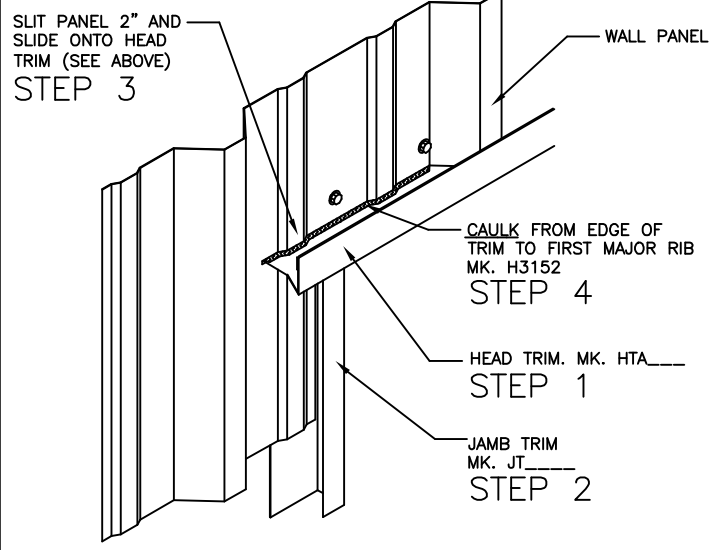
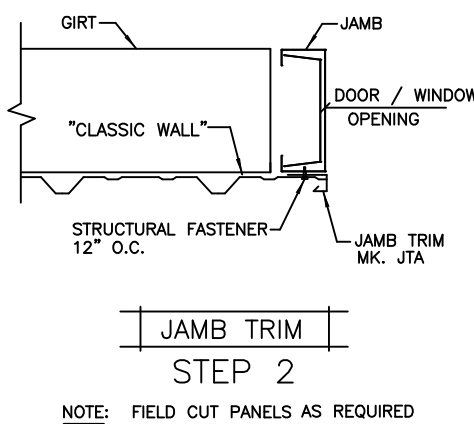
**FRAMED OPENING COVER TRIM**

SILL SHOWN, HEADER AND JAMBS SIMILAR

TRIM\_19

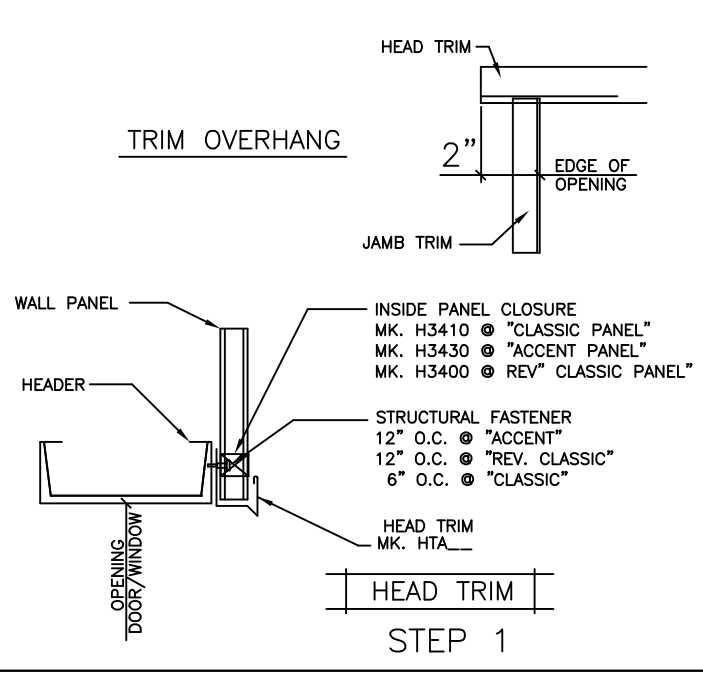


**FASTENER KEY**  
 STITCH FASTENER = H106\_  
 STRUCTURAL FASTENER = H104\_  
 WITH COLD-FORM  
 STRUCTURAL FASTENER = H1070  
 WITH HOT-ROLLED



**DOOR FRAMED OPENING TRIM DETAIL**

FOR ALL STANDARD WALL PANEL TYPES  
 LEFT HAND SHOWN, RIGHT HAND SIMILAR



DATE	10/12/2022
DESIGNER	TY
ENGINEER	TY
CHECKER	TY
ISSUE	
ANCHOR BOLTS	
PERMITS	
FINALS	

TOPLINE STEEL BUILDINGS  
 13323 SW BUTLER ROAD  
 ROSE HILL, KS 67133  
 PHONE (800) 369-3882

PROJECT NAME  
**METRO DUMPSTER**  
 2620 SE RANSON RD, LEE'S SUMMIT, MO 64082

CUSTOMER NAME  
**METRO DUMPSTER**  
 LEE'S SUMMIT, MO 64082

JOB NUMBER  
 T2208017A

SHEET TITLE

This seal remains only for the professional engineer's signature and is not to be used for any other purpose. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or sign for the project engineer of record and shall not be construed as such.

**SHEET**  
 D8 of 8