

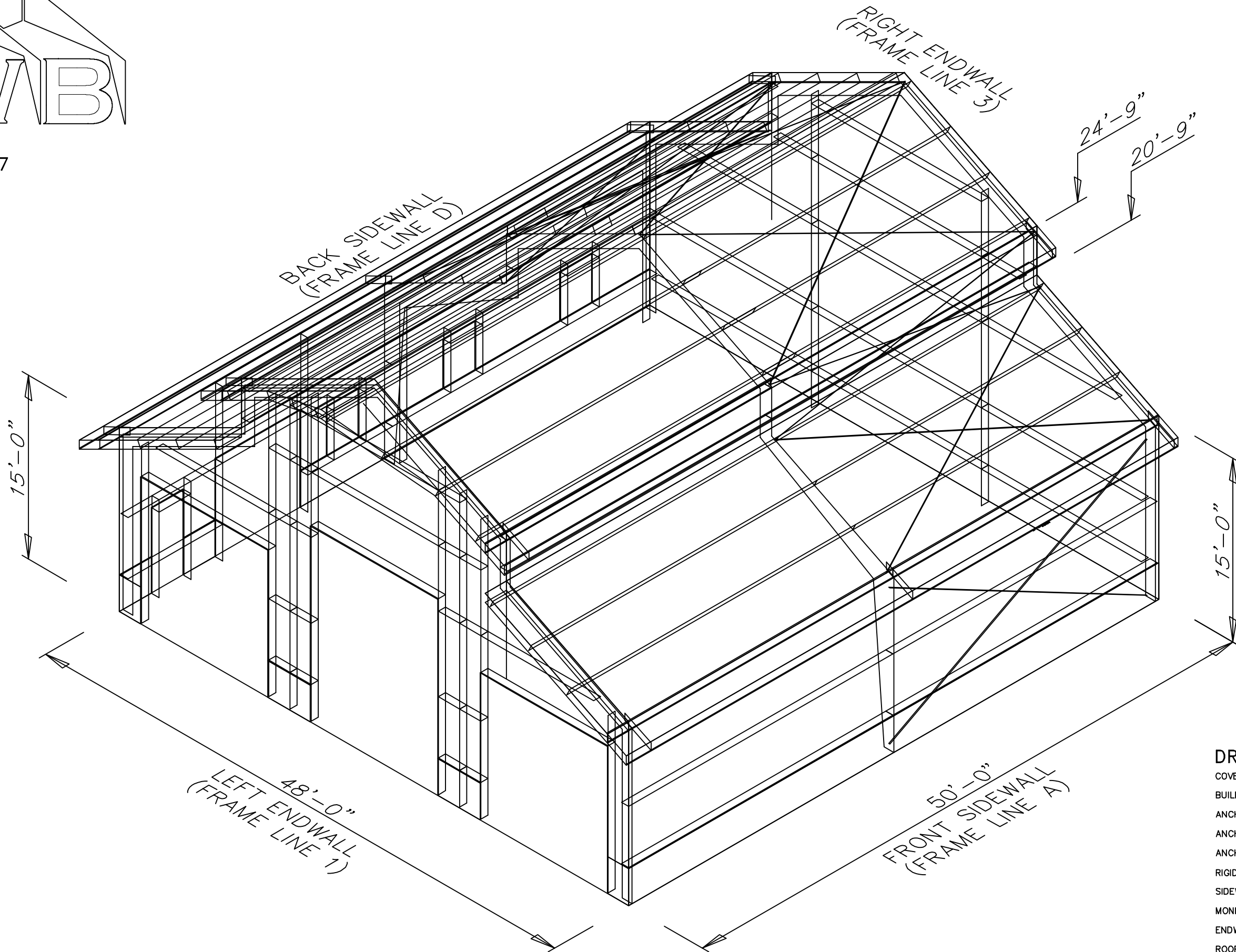
JOB NUMBER: 94207

PROJECT NAME:

PROJECT LOCATION:

PROJECT LOCATION:

PROJECT COUNTY:



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GENERAL NOTES

1.1 FABRICATION SHALL BE IN ACCORDANCE WITH METAL BUILDING SUPPLIER, STANDARD PRACTICES IN COMPLIANCE WITH THE APPLICABLE SECTIONS, RELATING TO DESIGN REQUIREMENTS AND ALLOWABLE STRESSES OF THE LATEST EDITION OF THE "AWS STRUCTURAL WELDING CODE D1.1 AND D1.3".

MATERIALS	ASTM DESIGNATION	MIN. YIELD STRENGTH
HOT ROLLED STEEL SHAPES (W, & C)	A572	Fy = 50 KSI
HOT ROLLED STEEL ANGLES (L)	A36	Fy = 36 KSI
STEEL PIPES	A500	Fy = 42 KSI
STRUCTURAL TUBING	A500	Fy = 42 KSI
STRUCTURAL STEEL WEB PLATE	A572/A1011	Fy = 50 KSI
STRUCTURAL STEEL FLANGE PLATES/BARS	A529/A572	Fy = 55 KSI
COLD FORMED LIGHT GAGE	A653/A1011	Fy = 55 KSI
ROOF & WALL SHEETS	A792/A653	Fy = 50, 80 KSI
CABLE BRACE	A475 - TYPE 1	EXTRA HIGH STRENGTH
ROD BRACE	A36	Fy = 36 KSI
MIN. TENSILE STRENGTH		
MACHINE BOLTS & NUTS	A307	Fu = 60 KSI
HIGH STRENGTH BOLTS (1"φ & LESS)	A325-TYPE 1	Fu = 120 KSI
HIGH STRENGTH BOLTS (>1"φ TO 1 1/2"φ)	A325-TYPE 1	Fu = 105 KSI
ANCHOR BOLTS (NOT SUPPLIED BY M.B.S.)	A36/A307/F1554	Fu = 60 KSI

1.3 **PRIMER**
SHOP PRIMER PAINT IS A RUST INHIBITIVE PRIMER WHICH MEETS THE END PERFORMANCE OF FEDERAL SPECIFICATION SSPC NO. 15 AND IS GRAY OXIDE IN COLOR. THIS PAINT IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. METAL BUILDING SUPPLIER IS NOT RESPONSIBLE FOR ANY DETERIORATION OF THE SHOP PRIMER PAINT AS A RESULT OF IMPROPER HANDLING AND/OR JOBSITE STORAGE. METAL BUILDING SUPPLIER SHALL NOT BE RESPONSIBLE FOR ANY FIELD APPLIED PAINT AND/OR COATINGS. (AISC CODE OF STANDARD PRACTICE, LATEST EDITION). NOMINAL THICKNESS OF PRIMER WILL BE 1 MIL UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS.

1.4 **GALVANIZED OR SPECIAL COATINGS:**
SEE CONTRACT DOCUMENTS

1.5 **ALL BOLTS ARE 1/2"φ x 0'-1 1/4" A307 EXCEPT:**
A) ENDWALL RAFTER SPLICE - 5/8"φ x 0'-1 3/4" A325-N
B) ENDWALL COLUMN TO RAFTER CONNECTION - (SEE WALL ELEVATION)
C) MAIN FRAME CONNECTIONS - SEE CROSS SECTION
D) FLANGE BRACE CONNECTIONS - 1/2"φ x 0'-1 1/4" A325
NOTE: WASHERS ARE NOT SUPPLIED UNLESS NOTED OTHERWISE ON DRAWING

1.6 **A325 BOLT TIGHTENING REQUIREMENTS**
ALL HIGH STRENGTH BOLTS ARE A325-N UNLESS SPECIFICALLY NOTED OTHERWISE. HOLES ARE NOT SLOTTED AND DESIGN IS BEARING CONNECTION. STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE "TURN-OFF-THE-NUT" METHOD IN ACCORDANCE WITH THE LATEST EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A325 OR A490 BOLTS, WHEN SPECIFICALLY REQUIRED. A325-N BOLTS ARE SUPPLIED WITHOUT WASHER UNLESS OTHERWISE NOTED ON THE DRAWINGS.
ALL BOLTED CONNECTIONS UNLESS NOTED ARE DESIGNED AS BEARING TYPE CONNECTIONS WITH BOLT THREADS NOT EXCLUDED FROM THE SHEAR PLANE.

1.7 **CLOSURE STRIPS ARE FURNISHED (IF ORDERED) FOR APPLICATION:**
INSIDE - UNDER ROOF PANELS & BASE OF WALL PANELS
OUTSIDE - BETWEEN ROOF PANELS & RIDGE CAP
- BETWEEN WALL PANELS & EAVE/GABLE TRIM

1.8 **ERECTION NOTE:**
ALL BRACING, STRAPPING, & BRIDGING SHOWN AND PROVIDED BY M.B.S. FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE. IF ADDITIONAL BRACING IS REQUIRED FOR STABILITY DURING ERECTION, IT SHALL BE THE ERECTOR'S RESPONSIBILITY TO DETERMINE THE AMOUNT OF SUCH BRACING AND TO PROCURE AND INSTALL AS NEEDED.

1.9 **ERECTION AND UNLOADING NOT BY G.W.B.**

1.10 **SHORTAGES**
ANY CLAIMS OR SHORTAGES BY BUYER MUST BE MADE TO M.B.S. WITHIN FIVE (5) WORKING DAYS AFTER DELIVERY, OR SUCH CLAIMS WILL BE CONSIDERED TO HAVE BEEN WAIVED BY THE CUSTOMER AND DISALLOWED.

1.11 **CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)**
CLAIMS FOR CORRECTION OF ALLEGED MISFITS WILL BE DISALLOWED UNLESS M.B.S. SHALL HAVE RECEIVED PRIOR NOTICE THEREOF AND ALLOWED REASONABLE INSPECTION OF SUCH MISFITS. THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS INTO LINE, MODERATE AMOUNTS OF REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORTAGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM. NO PART OF THE BUILDING MAY BE RETURNED FOR ALLEGED MISFITS WITHOUT THE PRIOR APPROVAL OF M.B.S.

BUYER/END USE CUSTOMER RESPONSIBILITIES

2.1 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO OBTAIN APPROPRIATE APPROVALS AND SECURE NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES AS REQUIRED, AND TO ADVISE/RELEASE M.B.S. TO FABRICATE UPON RECEIVING SUCH.

2.2 METAL BUILDING SUPPLIER (HEREAFTER REFERRED TO AS M.B.S.) STANDARD SPECIFICATIONS APPLY UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS. M.B.S. DESIGN, FABRICATION, QUALITY CRITERIA, STANDARDS, PRACTICE, METHODS AND TOLERANCES SHALL GOVERN THE WORK WITH ANY OTHER INTERPRETATIONS TO THE CONTRARY NOTWITHSTANDING. IT IS UNDERSTOOD BY BOTH PARTIES THAT THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR CLARIFICATION OF INCLUSIONS OR EXCLUSIONS FROM THE ARCHITECTURAL PLANS AND/OR SPECIFICATIONS.

2.3 IN CASE OF DISCREPANCIES BETWEEN M.B.S. STRUCTURAL STEEL PLANS AND PLANS FOR OTHER TRADES, M.B.S. PLANS SHALL GOVERN. (SECTION 3 AISC CODE OF STANDARD PRACTICES, LATEST EDITION)

2.4 APPROVAL OF M.B.S. DRAWINGS AND CALCULATIONS INDICATE THE M.B.S. HAS CORRECTLY INTERPRETED AND APPLIED THE CONTRACT DOCUMENTS. THIS APPROVAL CONSTITUTES THE CONTRACTOR/OWNERS ACCEPTANCE OF THE M.B.S. DESIGN CONCEPTS, ASSUMPTIONS, AND LOADING. (SECTION 4 AISC CODE AND MBMA 3.3.3)

2.5 ONCE THE BUYER/END USE CUSTOMER HAS SIGNED M.B.S. APPROVAL PACKAGE AND THE PROJECT IS RELEASED FOR FABRICATION, CHANGES SHALL BE BILLED TO THE BUYER/END USE CUSTOMER INCLUDING MATERIAL, ENGINEERING AND OTHER COSTS. AN ADDITIONAL FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND SHIPPING SCHEDULE.

2.6 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR OVERALL RESPONSIBLE FOR OVERALL PROJECT COORDINATION, ALL INTERFACE, COMPATIBILITY, AND DESIGN CONSIDERATIONS CONCERNING ANY MATERIALS NOT FURNISHED BY M.B.S. AND M.B.S. STEEL SYSTEM ARE TO BE CONSIDERED AND COORDINATED BY THE BUYER/END USE CUSTOMER. SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS MUST BE FURNISHED BEFORE RELEASE FOR FABRICATION OR M.B.S. ASSUMPTIONS WILL GOVERN (AISC CODE OF STANDARD PRACTICE, LATEST EDITION)

2.7 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO INSURE THAT M.B.S. PLANS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT M.B.S. OR ITS DESIGN ENGINEERS ARE ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT. THESE DRAWINGS ARE SEALED ONLY TO CERTIFY THE DESIGN OF THE STRUCTURAL COMPONENTS FURNISHED BY M.B.S.

2.8 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL IN ACCORDANCE WITH M.B.S. "FOR ERECTION" DRAWINGS ONLY. TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION SHALL BE DETERMINED, FURNISHED AND INSTALLED BY THE ERECTOR. NO ITEMS SHOULD BE PURCHASED FROM A PRELIMINARY SET OF DRAWINGS, INCLUDING ANCHOR BOLTS. USE ONLY FINAL "FOR ERECTION" DRAWINGS FOR THIS USE. (AISC CODE OF STANDARD PRACTICE, LATEST EDITION.)

2.9 METAL BUILDING SUPPLIER IS RESPONSIBLE FOR THE DESIGN OF THE ANCHOR BOLTS TO PERMIT THE TRANSFER OF FORCES BETWEEN THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BEARING AND TENSION, BUT IT IS NOT RESPONSIBLE FOR THE TRANSFER OF ANCHOR BOLT FORCES TO THE CONCRETE OR THE ADEQUACY OF THE ANCHOR BOLT IN RELATION TO THE CONCRETE. UNLESS OTHERWISE NOTED PROVIDED IN THE ORDER DOCUMENTS, M.B.S. DOES NOT DESIGN AND IS NOT RESPONSIBLE FOR THE DESIGN, MATERIAL AND CONSTRUCTION OF THE FOUNDATION OR FOUNDATION EMBEDMENTS. THE END USE CUSTOMER SHOULD BE ASSURE HIMSELF THAT ADEQUATE PROVISIONS ARE MADE IN THE FOUNDATION DESIGN FOR LOADS IMPOSED BY COLUMN REACTIONS OF THE BUILDING, OTHER IMPOSED LOADS, AND BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE. IT IS RECOMMENDED THAT THE ANCHORAGE AND FOUNDATION OF THE BUILDING BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER EXPERIENCED IN THE DESIGN OF SUCH STRUCTURES. (LATEST MBMA LOW RISE BUILDING SYSTEMS MANUAL)

2.10 NORMAL ERECTION OPERATIONS INCLUDE THE CORRECTIONS OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, CHIPPING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE THROUGH THE USE OF DRIFT PINS. ERRORS WHICH CANNOT BE CORRECTED BY THE FOREGOING MEANS OR WHICH REQUIRE MAJOR CHANGES IN MEMBER CONFIGURATION ARE TO BE REPORTED IMMEDIATELY TO M.B.S. BY THE BUYER/END USE CUSTOMER, TO ENABLE WHOEVER IS RESPONSIBLE EITHER TO CORRECT THE ERROR OR TO APPROVE THE MOST EFFICIENT AND ECONOMIC METHOD OF CORRECTION TO BE USED BY OTHERS. (AISC CODE OF STANDARD PRACTICE LATEST EDITION)

2.11 NEITHER THE FABRICATOR NOR THE BUYER/END USE CUSTOMER WILL CUT, DRILL OR OTHERWISE ALTER HIS WORK, OR THE WORK OF OTHER TRADES, TO ACCOMMODATE OTHER TRADES, UNLESS SUCH WORK IS CLEARLY SPECIFIED IN THE CONTRACT DOCUMENTS. WHENEVER SUCH WORK IS SPECIFIED, THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR FURNISHING COMPLETE INFORMATION AS TO MATERIALS, SIZE, LOCATION AND NUMBER OF ALTERATIONS PRIOR TO PREPARATION OF SHOP DRAWINGS. (AISC CODE OF STANDARD PRACTICE LATEST EDITION)

2.12 **WARNING:** IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSIVE EFFECTS ON THE GALVALUME ALLOY COATING WHEN THEY ARE IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.

2.13 **SAFETY COMMITMENT:** METAL BUILDING SUPPLIER HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF M.B.S. IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE. LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKERS SAFETY. MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING. EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES. DAILY MEETINGS HIGHLIGHTING SAFETY PROCEDURES ARE ALSO RECOMMENDED. THE USE OF HARD HATS, RUBBER SOLE SHOES FOR ROOF WORK, PROPER EQUIPMENT FOR HANDLING MATERIAL, AND SAFETY NETS WHERE APPLICABLE, ARE RECOMMENDED.

2.14 ROOF DRAINAGE SYSTEMS (GUTTER, DOWNSPOUTS, ETC.) MUST BE FREE OF ANY OBSTRUCTION TO ENSURE SMOOTH OPERATION AT ANY GIVEN TIME.

2.15 IT IS RECOMMENDED BY FACTORY MUTAL (REFERENCE B2.44) THAT ROOFS BE CLEARED OF SNOW WHEN HALF OF THE MAXIMUM SNOW DEPTH IS REACHED. THE MAXIMUM SNOW DEPTH CAN BE ESTIMATED BASED ON THE DESIGN SNOW LOAD AND THE DENSITY OF SNOW AND/OR ICE BUILDUP. SSE TABLE BELOW.

ROOF SNOW LOAD (IN PSF)	EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES)	RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES)
20	16.60	8.30
25	17.25	8.62
30	17.90	8.95
35	18.55	9.28
40	19.20	9.60
45	19.85	9.92
50	20.50	10.25
55	21.15	10.58
60	21.80	10.90
65	22.45	11.22
70	23.10	11.55
75	23.75	11.88
80	24.40	12.20

NOTE:
FOR SNOW/ICE REMOVAL PROCEDURE, REFER TO METAL BUILDING SYSTEM MANUAL 2002 EDITION, SECTION A8.4, PAGE XI-A8-2

BUILDING LOADS

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED:

DESIGN LOADS:
DESIGN CODE / WIND CODE : CBC-19/IBC-18
OCCUPANCY / RISK CATEGORY : II-Normal
ENCLOSURE : Closed
ROOF DEAD LOAD (D) (PSF) : 2.17
ROOF COLLATERAL LOAD (C) (PSF) : 1.00
WIND LOAD
ULTIMATE WIND SPEED, (VULT) (MPH) : 115.00
WIND EXPOSURE CATEGORY : C
INTERNAL PRESSURE COEFFICIENT, (GCpi) : 0.18/-0.18
WALL PANEL DESIGN WIND PRESSURE (PSF) : 31.06/-33.70
WIND ENCLOSURE CLASSIFICATION : Closed
LIVE LOAD
PRIMARY FRAMING (PSF) : 20.00
TRIB. AREA REDUCTION : No
SECONDARY FRAMING (PSF) : 20.00
SNOW LOAD
GROUND SNOW LOAD, (Pg) (PSF) : 0.00
ROOF SNOW LOAD, (Pf) (PSF) : 0.00
SNOW EXPOSURE FACTOR, (Ce) : 1.00
SNOW IMPORTANCE FACTOR, (Is) : 1.00
THERMAL FACTOR, (Ct) : 1.00
SEISMIC LOAD
SEISMIC IMPORTANCE FACTOR, (Ie) : 1.00
SITE CLASSIFICATION : D
SPECTRAL RESPONSE ACCELERATION : Ss = 0.732 : S1 = 0.267
SPECTRAL RESPONSE COEFFICIENTS : Sds = 0.593 : Sd1 = 0.368
SEISMIC DESIGN CATEGORY : D
BASIC SEISMIC FORCE RESISTING SYSTEM : STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE
RIGID FRAMES (OMF)
BRACED FRAMES (OCBF/OMF)
LONGITUDINAL = 3.28
TRANSVERSE = 3.64
RESPONSE MODIFICATION FACTORS, (R)
RIGID FRAMES = 3.25
SW X-BRACING = 3.25
SW WIND BENT = 3.25
D = 3.00
D = 2.00
D = 3.00
SEISMIC RESPONSE COEFFICIENTS, (Cs)
RIGID FRAMES = 0.1824
SW X-BRACING = 0.1824
SW WIND BENT = 0.1824
ANALYSIS PROCEDURE USED : EQUIVALENT LATERAL FORCE PROCEDURE
OTHER LOADS/REQUIREMENTS

BUILDING DESCRIPTION:

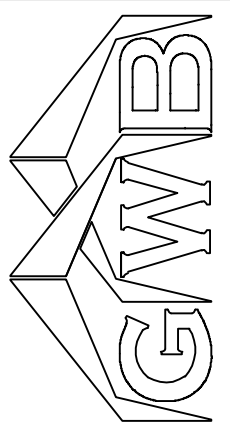
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LENGTH (FT) : 50.00
EAVE HEIGHT AT BSW (FT) : 15.00
EAVE HEIGHT AT FSW (FT) : 15.00
ROOF SLOPE AT BSW : 6.0:12
ROOF SLOPE AT FSW : 6.0:12
BAY SPACING (FT) : 2 AT 25

COVERING AND TRIMS:

ROOF PANELS & TRIMS
PANEL TYPE : 26 GA. PBR
PANEL COLOR : CHARCOAL GRAY
TRIM COLORS :
GABLE/EAVE : SOLAR WHITE
EAVE GUTTER : SOLAR WHITE
WALL PANELS & TRIMS
PANEL TYPE : 26 GA. PBR
PANEL COLOR : CRIMSON RED
TRIM COLORS :
CORNER : SOLAR WHITE
FRAMED OPENING : SOLAR WHITE
DOWNSPOUTS : SOLAR WHITE
BASE : CRIMSON RED
WAINSCOT PANEL & TRIMS
PANEL TYPE : 26 GA. PBR
PANEL COLOR : SOLAR WHITE
TRIM COLOR : SOLAR WHITE

SOFFIT PANELS & TRIMS
PANEL TYPE : 26 GA. PBR
PANEL COLOR : CRIMSON RED
TRIM COLOR : CRIMSON RED
INSULATION
ROOF INSULATION : 6" (R-19) WMP-VR
WALL INSULATION : 4" (R-13) WMP-VR

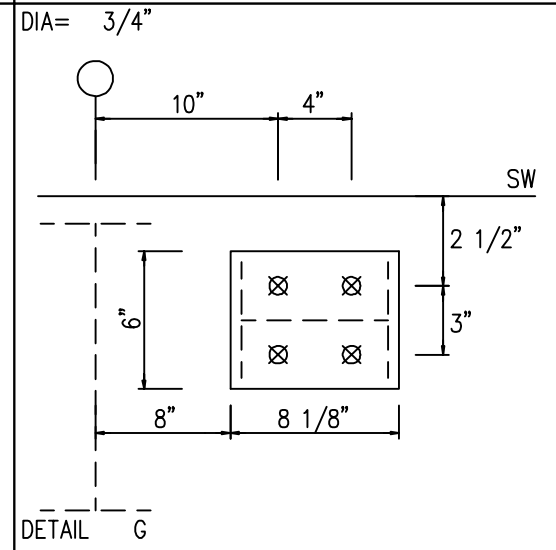
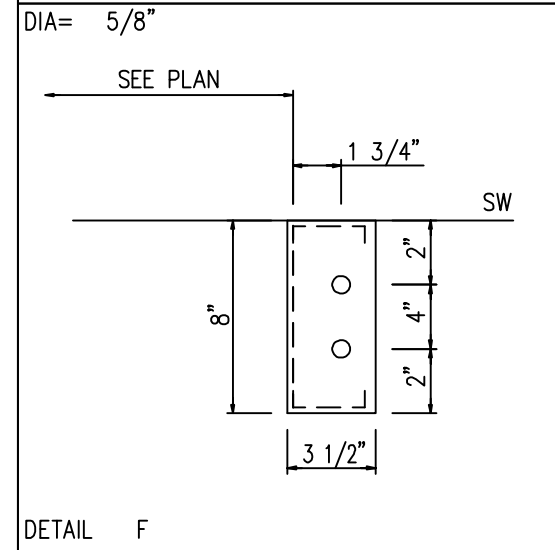
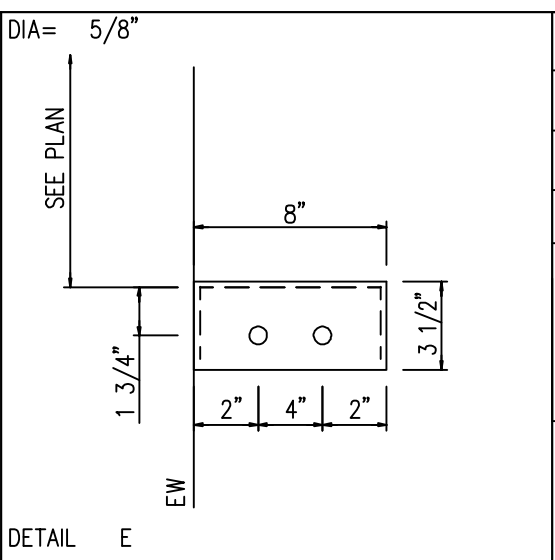
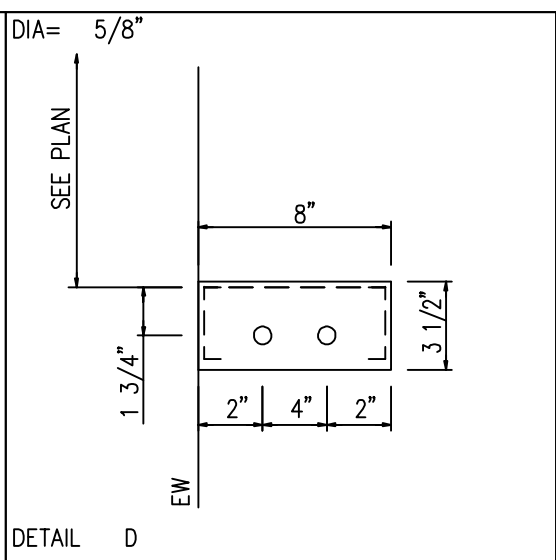
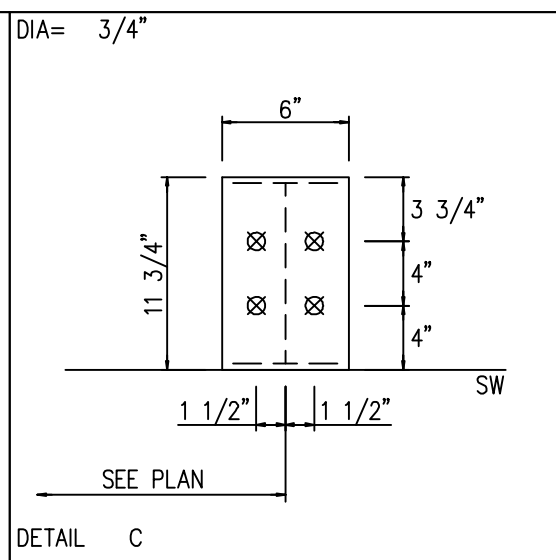
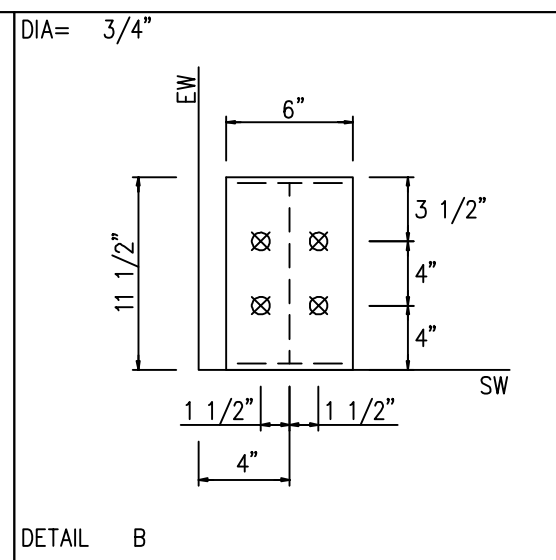
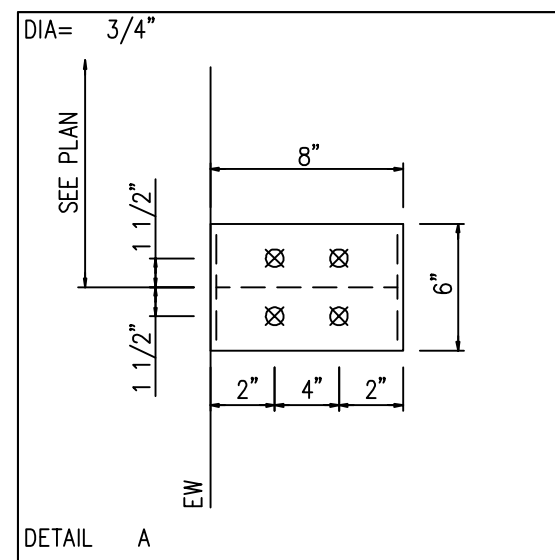
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3033 S. PARKER RD 12 FLOOR
AURORA, CO 80014
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	2 OF 24
JOB NUMBER:	94207
SHEET TITLE:	BUILDING INFO COVERSHEET

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



ENG.	CHK.	DATE	DWN.	MEZ	RTS
		06/21/21	MEZ	CAF	RTS
		10/14/21	SB	JMH	RTS
		06/30/23	JMH	JMH	RTS



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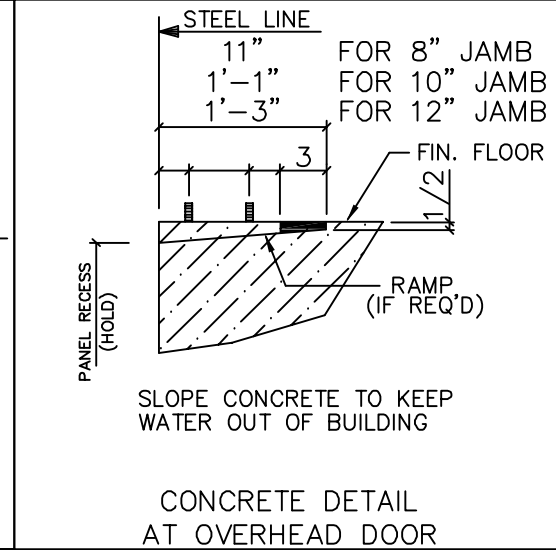
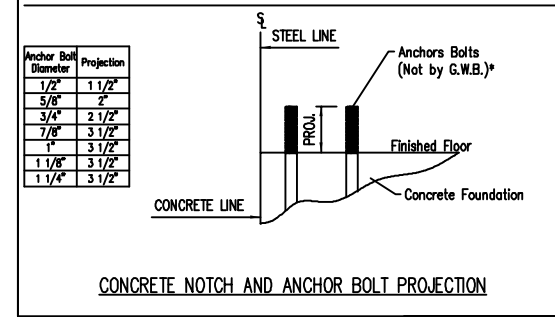
CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	4 OF 24
JOB NUMBER:	94207
SHEET TITLE:	ANCHOR BOLT DETAILS

NOTE:
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. G.W.B. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

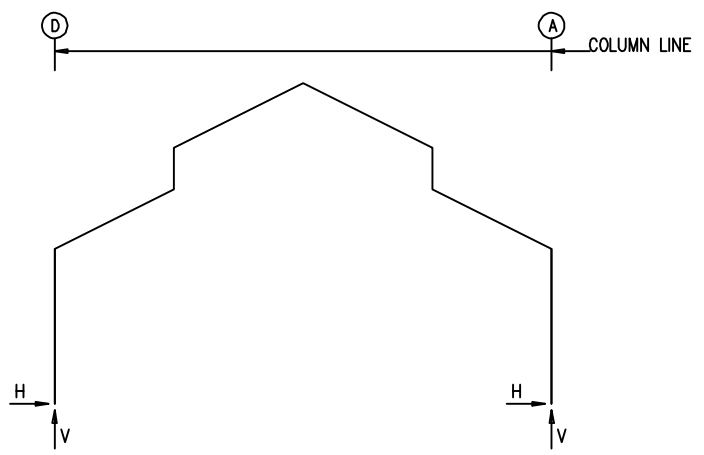
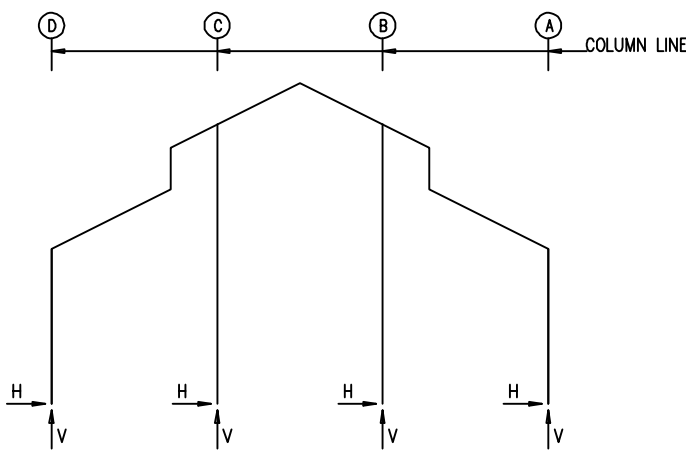
ANCHOR BOLT DIAMETERS HAVE BEEN DESIGNED BY THE METAL BUILDING ENGINEER BASED ON AISC METHOD WITH COMBINED SHEAR AND TENSION.

DEVELOPMENT, EMBEDMENT AND HOOK LENGTH OF ANCHOR BOLTS IN THE CONCRETE ARE DESIGN RESPONSIBILITY OF OTHERS. ALSO DESIGN OF SHEAR ANGLES, TENSION PLATES, HAIRPINS, AND ANY OTHER EMBEDDED MATERIAL IN THE CONCRETE SHALL BE DESIGNED AND PROVIDED BY OTHERS.

NOTE: ANCHOR BOLT PROJECTION IS FROM BOTTOM OF BASE PLATE.



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ENG.	CHK.	RTS	RTS	RTS	RTS
DATE	DWN.	MEZ	SB	JMH	RTS
ISSUE	APPROVAL	PERMIT	ERECTION		

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CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	5 OF 24
JOB NUMBER:	94207
SHEET TITLE:	ANCHOR BOLT REACTIONS

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

Frm Line	Col Line	Column_Reactions(k)						Bolt(in)		Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	QTY	DIA	Width	Length	Thick	
1	D	3	3.1	1.3	10	-3.4	-2.5	4	0.750	6.000	11.50	0.375	0.0
		7	2.2	5.8	8	-3.0	-4.7						
1	A	11	3.4	-2.5	2	-3.1	1.3	4	0.750	6.000	11.50	0.375	0.0
		6	-2.2	5.8	9	3.0	-4.7						
1	C	9	0.0	-5.2	9	0.0	-5.2	4	0.750	6.000	8.000	0.375	0.0
		6	0.0	9.8									
1	B	8	0.0	-5.2	8	0.0	-5.2	4	0.750	6.000	8.000	0.375	0.0
		7	0.0	9.8									

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

Frm Line	Col Line	Column_Reactions(k)						Bolt(in)		Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	QTY	DIA	Width	Length	Thick	
2	D	5	9.3	13.7	10	-6.3	-1.9	4	0.750	6.000	11.75	0.375	0.0
		1	7.7	20.8	13	0.0	-6.8						
2	A	11	6.3	-1.9	4	-9.3	13.7	4	0.750	6.000	11.75	0.375	0.0
		1	-7.7	20.8	12	0.0	-8.6						

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

Frm Line	Col Line	Column_Reactions(k)						Bolt(in)		Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	QTY	DIA	Width	Length	Thick	
3	D	3	2.2	1.0	10	-2.5	-1.8	4	0.750	6.000	11.50	0.375	0.0
		7	1.6	4.3	8	-2.1	-3.3						
3	A	11	2.5	-1.8	2	-2.2	1.0	4	0.750	6.000	11.50	0.375	0.0
		6	-1.6	4.3	12	0.0	-5.0						
3	C	9	0.0	-3.7	9	0.0	-3.7	4	0.750	6.000	8.000	0.375	0.0
		6	0.0	7.3									
3	B	8	0.0	-3.7	8	0.0	-3.7	4	0.750	6.000	8.000	0.375	0.0
		7	0.0	7.3									

NOTES FOR REACTIONS

Building reactions are based on the following building data:

- Width (ft) = 48.00
- Length (ft) = 50.00
- Eave Height (ft) = 15.00/15.00
- Roof Slope (rise/12) = 6.0:12/6.0:12
- Dead Load (psf) = 2.17
- Collateral Load (psf) = 1.00
- Live Load (psf) = 20.00
- Snow Load (psf) = 0.00
- Ultimate Wind Speed (mph) = 115.00
- Wind Code = CBC-19/IBC-18
- Exposure = C
- Closed/Open = Closed
- Importance Wind = 1.00
- Importance Seismic = 1.00
- Seismic Zone = D
- Seismic Coeff (Fa*Ss) = 0.89

BUILDING BRACING REACTIONS

Loc	Line	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
			Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis	
L_SW	1								(h)
F_SW	A	2,3	5.6	3.0	2.1	1.1			(h)
R_SW	3								(a)
B_SW	D	2,3							

(a) Wind bent in bay
(h) Rigid frame at endwall

ANCHOR BOLT SUMMARY

QTY	LOCATE	DIA (in)	TYPE
16	JAMB	5/8"	A307
16	ENDWALL	3/4"	A307
24	FRAME	3/4"	A307
8	PORTAL COL	3/4"	A307

RIGID FRAME: BASIC COLUMN REACTIONS (k)

FRAME Line	Column Line	Dead		Collateral		Live		Wind_Left1		Wind_Right1		Wind_Left2	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	D	0.1	0.8	0.0	0.2	0.3	3.7	-5.0	-8.6	5.1	0.9	-5.8	-5.0
1	A	-0.1	0.8	0.0	0.2	-0.3	3.7	-5.1	0.9	5.0	-8.6	-4.3	4.5
1	C	0.0	1.4	0.0	0.4	0.0	6.5	0.0	6.4	0.0	-10.2	0.0	6.9
1	B	0.0	1.4	0.0	0.4	0.0	6.5	0.0	-10.2	0.0	6.4	0.0	-9.7
2	D	1.0	3.0	0.4	1.0	6.2	16.8	-10.6	-13.1	7.1	-6.3	-11.4	-6.1
2	A	-1.0	3.0	-0.4	1.0	-6.2	16.8	-7.1	-6.3	10.6	-13.1	-6.2	0.7
3	D	0.0	0.6	0.0	0.1	0.2	2.7	-3.6	-6.1	3.6	0.7	-4.1	-3.6
3	A	0.0	0.6	0.0	0.1	-0.2	2.7	-3.6	0.7	3.6	-6.1	-3.1	3.2
3	C	0.0	1.2	0.0	0.3	0.0	4.9	0.0	4.6	0.0	-7.3	0.0	4.9
3	B	0.0	1.2	0.0	0.3	0.0	4.9	0.0	-7.3	0.0	4.6	0.0	-7.0

FRAME Line	Column Line	Wind_Right2		Wind_Long1		Wind_Long2		Seismic_Left		Seismic_Right		Seismic_Long	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	D	4.3	4.5	2.4	-5.3	0.0	-8.3	-0.7	-0.9	0.7	0.9	0.0	0.0
1	A	5.8	-5.0	0.0	-8.3	-2.4	-5.3	-0.7	0.9	0.7	-0.9	0.0	0.0
1	C	0.0	-9.7	0.0	-4.9	0.0	2.6	0.0	1.3	0.0	-1.3	0.0	0.0
1	B	0.0	6.9	0.0	2.6	0.0	-4.9	0.0	-1.3	0.0	1.3	0.0	0.0
2	D	6.2	0.7	3.2	-13.4	-1.0	-14.3	-1.1	-0.6	1.1	0.6	0.0	0.0
2	A	11.4	-6.1	1.0	-17.3	-3.2	-16.4	-1.1	0.6	1.1	-0.6	0.0	-1.1
3	D	3.1	3.2	1.7	-3.8	0.0	-5.9	-0.6	-0.7	0.6	0.7	0.0	0.0
3	A	4.1	-3.6	0.0	-8.9	-1.7	-6.8	-0.6	0.7	0.6	-0.7	0.0	-1.1
3	C	0.0	-7.0	0.0	-3.5	0.0	1.8	0.0	1.0	0.0	-1.0	0.0	0.0
3	B	0.0	4.9	0.0	1.8	0.0	-3.5	0.0	-1.0	0.0	1.0	0.0	0.0

WIND BENT REACTIONS

Loc	Wall Line	Col Line	± Reactions (k)				Bolt(in)		Base_Plate(in)		
			Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	QTY	DIA	Width	Length	Thick
B_SW	D	3	2.8	3.3	1.1	1.3	4	0.750	6.000	8.125	0.375
B_SW	D	2	2.8	3.3	1.1	1.3	4	0.750	6.000	8.125	0.375

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ENDWALL COLUMN:

BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert	Seis Left Vert
1	C	1.2	0.4	6.3	-3.3	-7.9	-1.7	-6.3	-5.0	5.6	-8.3	-3.3	-0.2
1	B	1.2	0.4	6.3	-7.9	-3.3	-6.3	-1.7	-5.0	5.6	-3.3	-8.3	-0.8
3	B	1.0	0.3	4.6	-2.6	-6.3	-1.6	-5.4	-5.0	5.6	-5.6	-1.9	-0.2
3	C	1.0	0.3	4.6	-6.3	-2.6	-5.4	-1.6	-5.0	5.6	-1.9	-5.6	-0.7

Frm Line	Col Line	Seis Right Vert
1	C	-0.8
1	B	-0.2
3	B	-0.7
3	C	-0.2

ENDWALL COLUMN:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	*	Column_Reactions(k)						Bolt(in)		Base_Plate(in)			Grout (in)
			Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	QTY	DIA	Width	Length	Thick	
1	C	*	14	3.3	-4.1	15	-3.0	-4.1						
			1	0.0	8.1	14	3.3	-4.1						
1	B	*	16	3.3	-4.1	17	-3.0	-4.1						
			1	0.0	8.1	16	3.3	-4.1						
3	B	*	18	3.3	-3.1	15	-3.0	-2.6						
			1	0.0	6.1	18	3.3	-3.1						
3	C	*	19	3.3	-3.1	17	-3.0	-2.6						
			1	0.0	6.1	19	3.3	-3.1						

*See Rigid Frame Interior Column Reactions

ISSUE	DATE	DWN.	CHK.	ENG.	RTS		
					MEZ	CAF	JMH
APPROVAL	06/21/22						
PERMIT	10/14/22						
ERECTION	06/30/23						



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CUSTOMER PHONE NUMBER:	
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SCALE:	N.T.S.
SHEET NUMBER:	6 OF 24
JOB NUMBER:	94207
SHEET TITLE:	ANCHOR BOLT REACTIONS

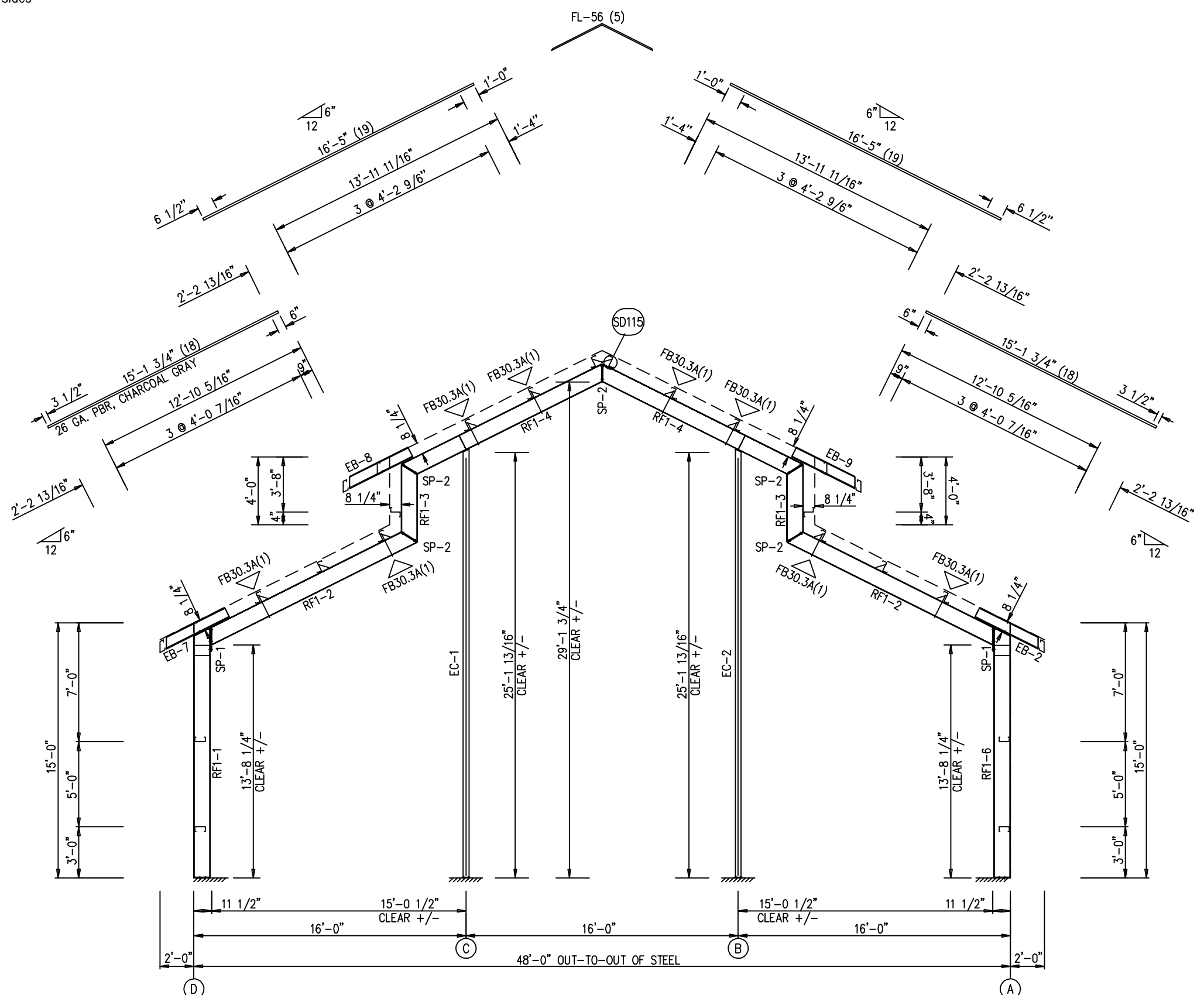
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SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	2	4	0	A325	3/4"	2 1/4"	EC-1	4	A325	5/8"	1 1/2"
SP-2	2	2	0	A325	5/8"	1 3/4"	EC-2	4	A325	5/8"	1 1/2"

Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start	End	Thick	Length	W	Thk	Length	W	Thk	Length
RF1-1	11.0	11.0	0.135	13'-0 3/8"	5 x 1/4"	x	14'-2 1/8"	5 x 1/4"	x	13'-3 3/8"
	11.0	11.0	0.164	1'-7 3/8"	5 x 1/4"	x	1'-0 7/16"			
RF1-2	11.0	11.0	0.135	13'-5 11/16"	5 x 1/4"	x	12'-5 1/8"	5 x 1/4"	x	13'-5 11/16"
RF1-3	11.0	11.0	0.135	4'-5 15/16"	5 x 1/4"	x	3'-10 15/16"	5 x 1/4"	x	3'-10 15/16"
RF1-4	11.0	11.0	0.135	13'-1 5/16"	5 x 1/4"	x	13'-1 5/16"	5 x 1/4"	x	12'-0 3/4"
RF1-6	11.0	11.0	0.164	1'-7 3/8"	5 x 1/4"	x	1'-0 7/16"	5 x 1/4"	x	13'-3 3/8"
	11.0	11.0	0.135	13'-0 3/8"	5 x 1/4"	x	14'-2 1/8"			

MEMBER TABLE		
Mark	Part	Length
EC-1	W8X13	25'-2 15/16"
EC-2	W8X13	25'-2 15/16"
EB-2	W8X10	4'-6 15/16"
EB-7	W8X10	4'-6 15/16"
EB-8	W8X10	5'-4 1/8"
EB-9	W8X10	5'-4 1/8"

FLANGE BRACES: FBxx (1 or 2)
 xx=length(in)
 (1) One Side; (2) Two Sides
 A - 2X2X14Ga



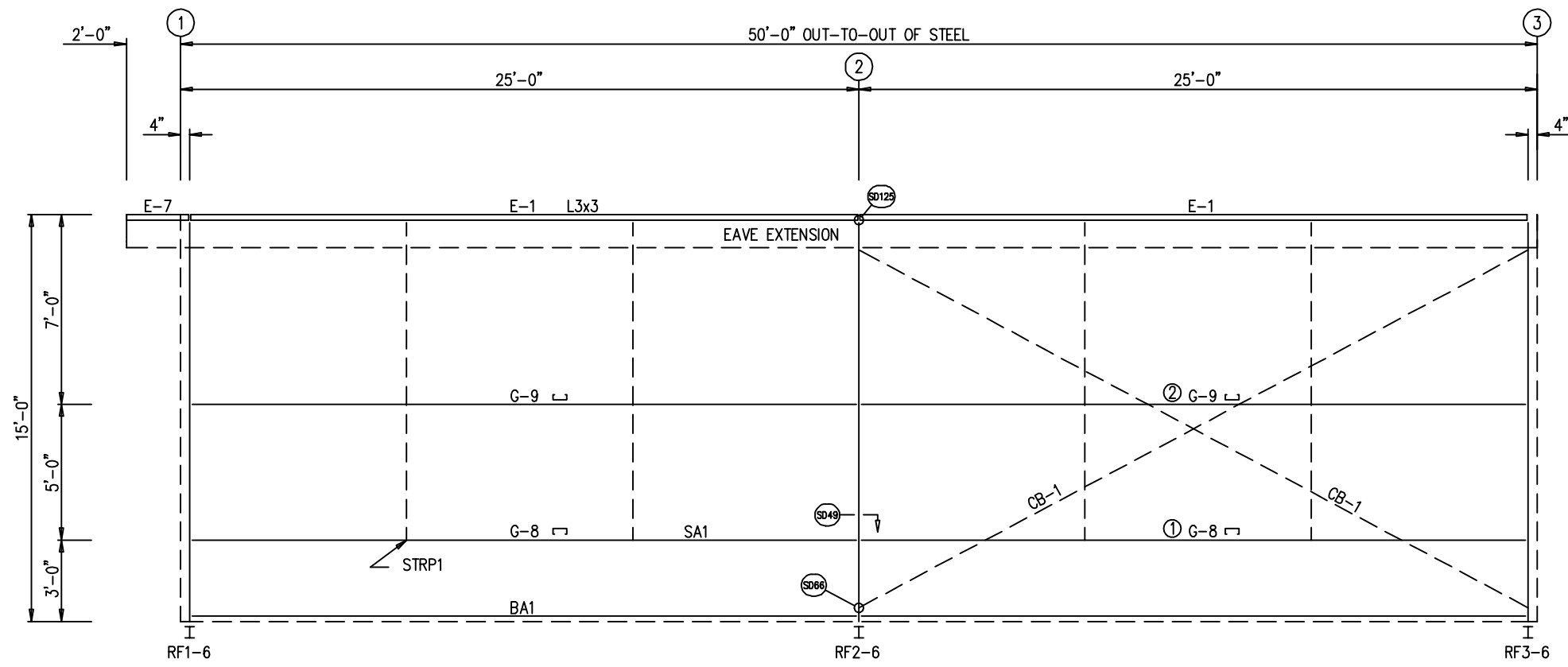
ENG.	CHK.	RTS	RTS	RTS	RTS
DATE	ISSUE	APPROVAL	PERMIT	ERECTION	
	06/21/21	MEZ	CAF	JMH	
	10/14/21	SB			
	06/30/23	JMH			

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SCALE:	N.T.S.
SHEET NUMBER:	7 OF 24
JOB NUMBER:	94207
SHEET TITLE:	RIGID FRAME ELEVATION

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RIGID FRAME ELEVATION: FRAME LINE 1



SIDEWALL FRAMING: FRAME LINE A

TRIM TABLE
FRAME LINE A

OID	QUAN	PART	LENGTH	DETAIL
1	2	FL-10	15'-0"	TD40
2	5	FL-60	10'-2"	TD74
3	5	FL-237	10'-2"	TD198

MEMBER TABLE
FRAME LINE A

QUAN	MARK	PART	LENGTH
2	E-1	L08E16-6	23'-11 13/16"
1	E-7	L08E16-6	1'-11 11/16"
2	G-8	8X35C14	23'-11 7/8"
2	G-9	8X35C12	23'-11 7/8"
2	CB-1	RD0500	28'-6 1/2"

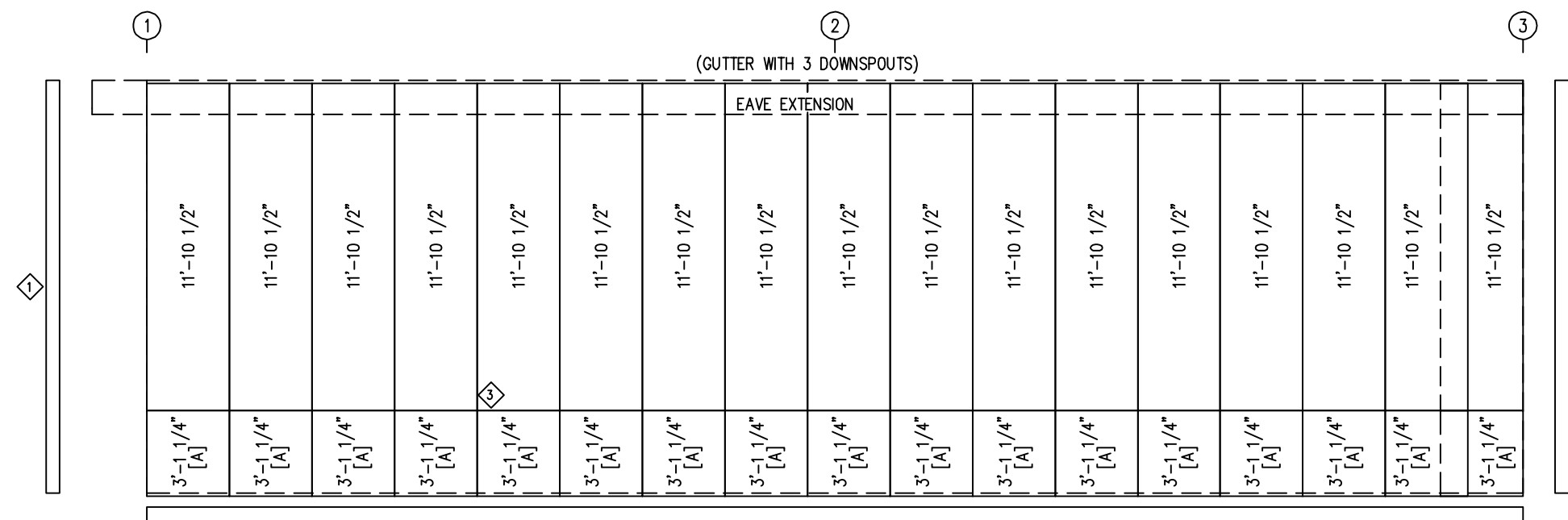
FIELD WORK TABLE
FRAME LINE A

OID	DETAIL	DIMENSION 1	DIMENSION 2
1	SD202	4'-2 3/4"	19'-9 1/8"
2	SD202	10'-6 1/4"	13'-5 5/8"

ENG.	RTS	CHK.	DATE	ISSUE
			06/21/22	APPROVAL
			10/14/22	PERMIT
			06/30/23	ERECTION

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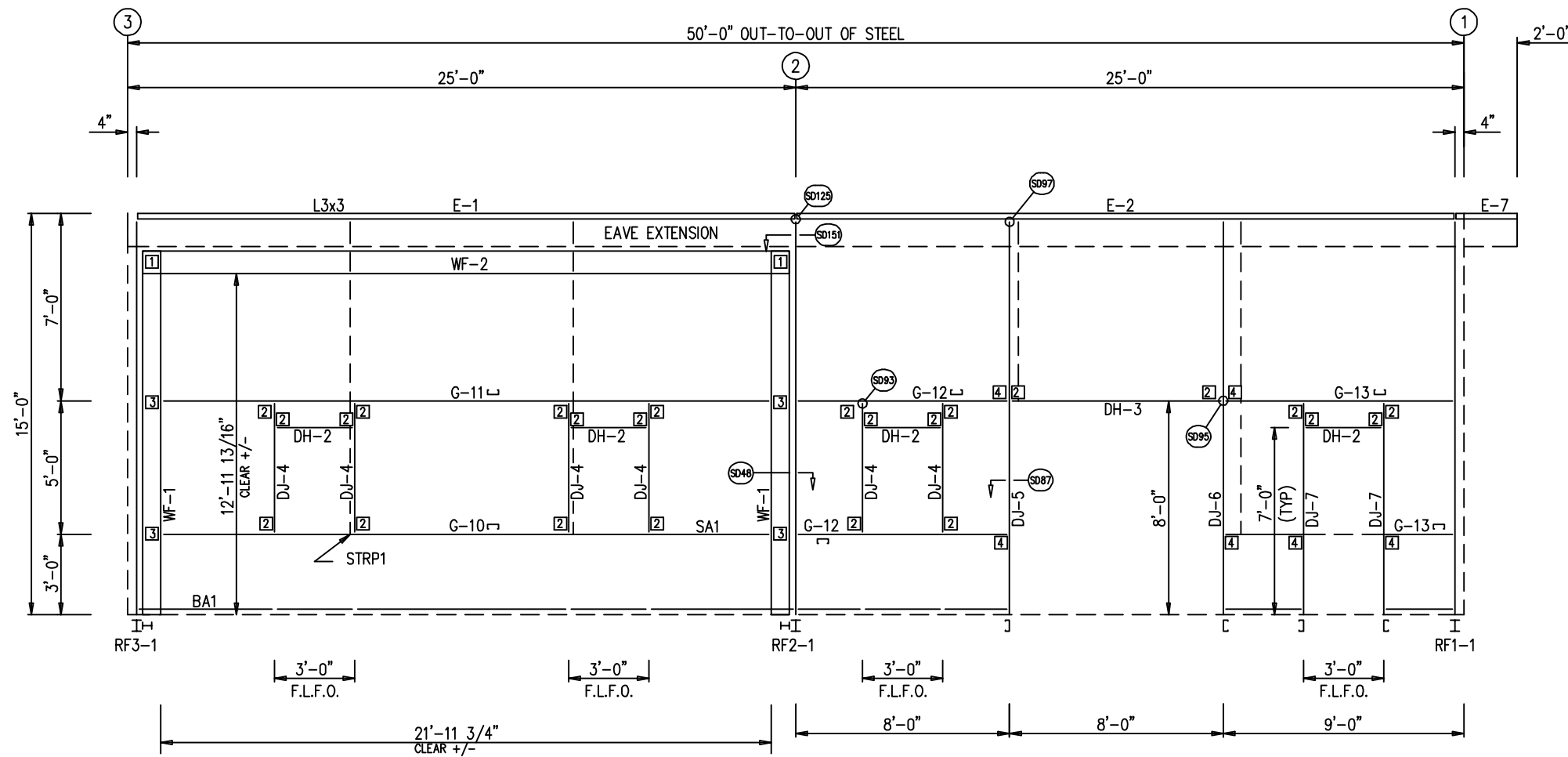
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CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	10 OF 24
JOB NUMBER:	94207
SHEET TITLE:	SIDEWALL FRAMING & SHEETING



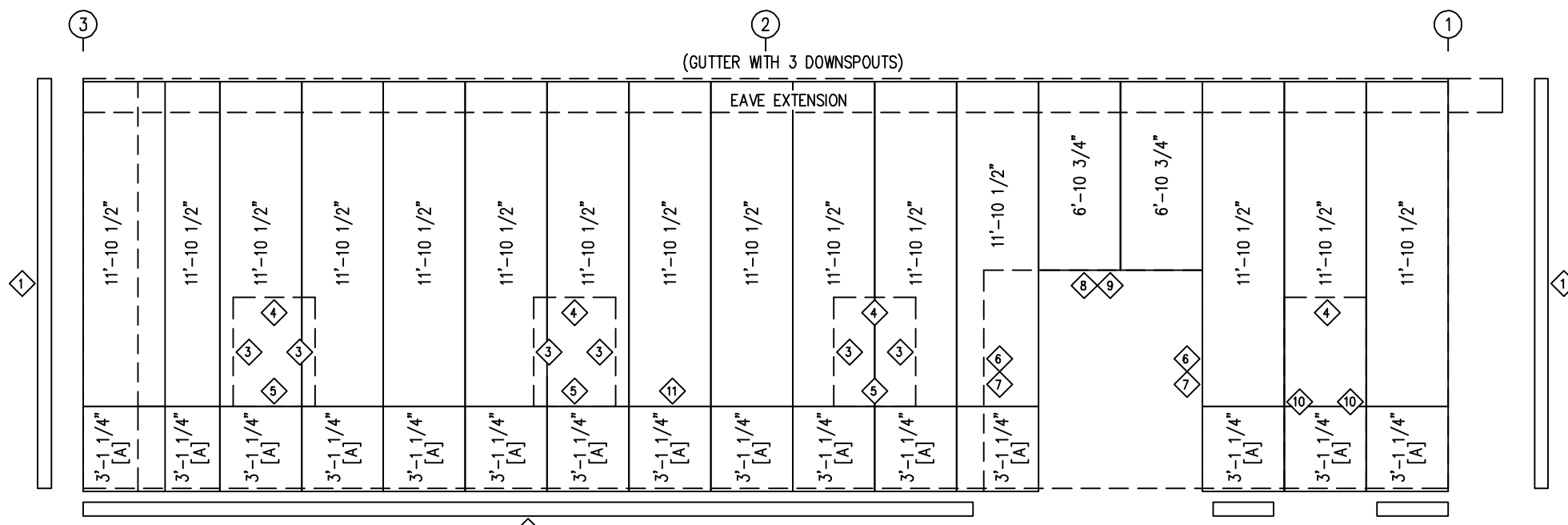
SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 GA. PBR - CRIMSON RED
[A] PANELS: 26 GA. PBR - SOLAR WHITE

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SIDEWALL FRAMING: FRAME LINE D
F.L.F.O.: FIELD LOCATED FRAME OPENING



SIDEWALL SHEETING & TRIM: FRAME LINE D
PANELS: 26 GA. PBR - CRIMSON RED
[A] PANELS: 26 GA. PBR - SOLAR WHITE

TRIM TABLE
FRAME LINE D

ID	QUAN	PART	LENGTH	DETAIL
1	2	FL-10	15'-0"	TD40
2	4	FL-60	10'-2"	TD74
3	6	FL-48	4'-4"	TD51
4	4	FL-52	3'-4"	TD52
5	3	FL-50	3'-4"	TD52
6	2	FL-55	8'-3"	TD51
7	2	FL-48	8'-2"	TD51
8	1	FL-55	8'-7"	TD52
9	1	FL-52	8'-4"	TD52
10	2	FL-48	7'-2"	TD51
11	5	FL-237	10'-2"	TD198

BOLT TABLE
FRAME LINE D

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	4	A325	3/4"	2 1/4"
WF-1 - RF3-1	8	A325	5/8"	1 1/2"
WF-1 - RF2-1	8	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE D

QUAN	MARK	PART	LENGTH
2	WF-1	W8X15	13'-10"
1	WF-2	W10X22	21'-10 15/16"
6	DJ-4	8x25C16	4'-11 1/2"
1	DJ-5	8x25C16	14'-6 3/4"
1	DJ-6	8x25C16	14'-6 3/4"
2	DJ-7	8x25C16	7'-11 3/4"
4	DH-2	8x25C16	2'-11 1/2"
1	DH-3	8x25C16	7'-11 1/2"
1	E-1	L08E16-6	23'-11 13/16"
1	E-2	L08E16-6	23'-11 13/16"
1	E-7	L08E16-6	1'-11 11/16"
1	G-10	8X35C14	21'-11 1/4"
1	G-11	8X35C12	21'-11 1/4"
2	G-12	8X25C16	7'-3 7/8"
2	G-13	8X25C16	7'-11 7/8"

CONNECTION PLATES
FRAME LINE D

ID	QUAN	MARK
1	2	CL-210
2	24	CL-100
3	4	4" ZEE - 7"
4	6	CL-103

ENG.	CHK.	RTS	RTS	RTS	RTS

ISSUE	DATE	APPROVAL	PERMIT	ERECTION

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SCALE: N.T.S.

SHEET NUMBER: 11 OF 24
JOB NUMBER: 94207
SHEET TITLE: SIDEWALL FRAMING & SHEETING

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TRIM TABLE
FRAME LINE A. I C. I

ID	QUAN	PART	LENGTH	DETAIL
1	10	FL-65	10'-2"	TD207
2	4	FL-10	4'-0"	TD40

MEMBER TABLE
FRAME LINE A. I C. I

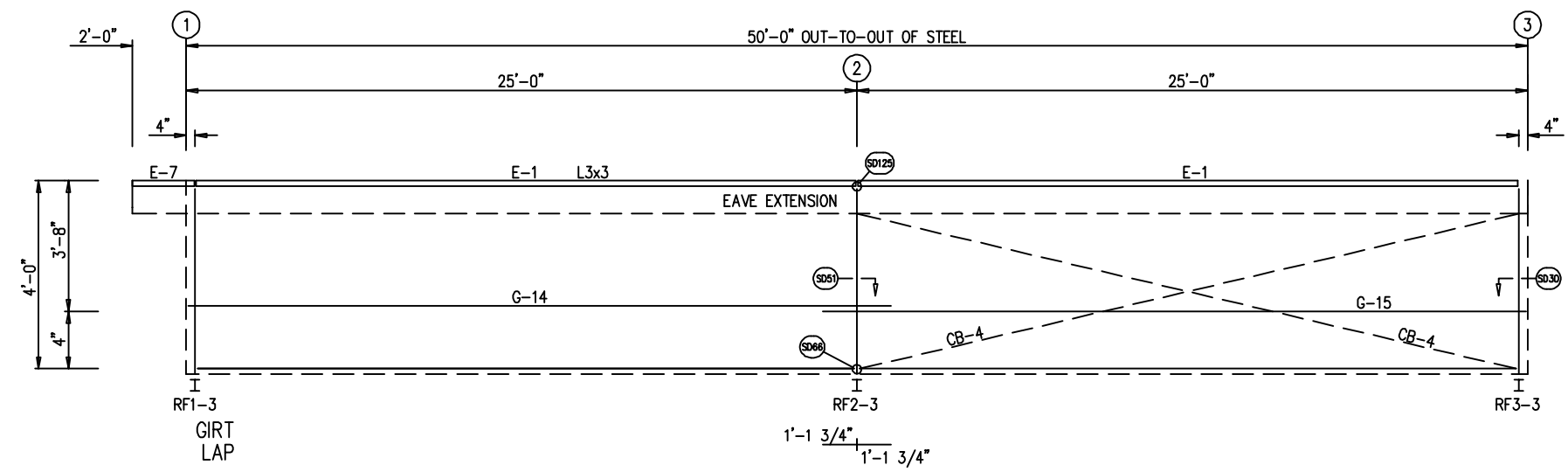
QUAN	MARK	PART	LENGTH
4	E-1	L08E16-6	23'-11 13/16"
2	E-7	L08E16-6	1'-11 11/16"
2	G-14	8X25216	26'-1 1/2"
2	G-15	8X25216	26'-1 1/2"
4	CB-4	RD0500	25'-4 1/4"

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	06/21/22	APPROVAL
RTS	CAF	10/14/22	PERMIT
RTS	JMH	06/30/23	ERECTION

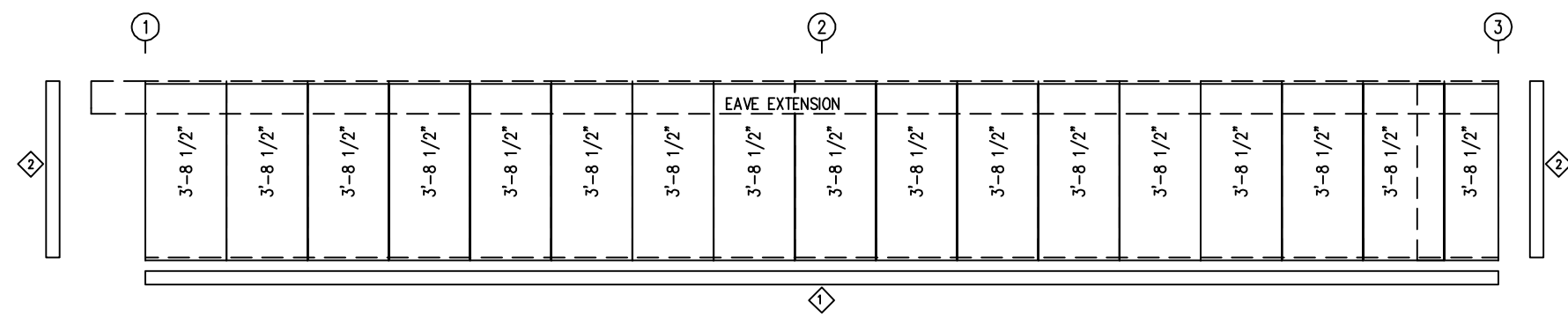


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PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	
SHEET NUMBER:	12 OF 24
JOB NUMBER:	94207
SHEET TITLE:	MONITOR WALL FRAMING & SHEETING

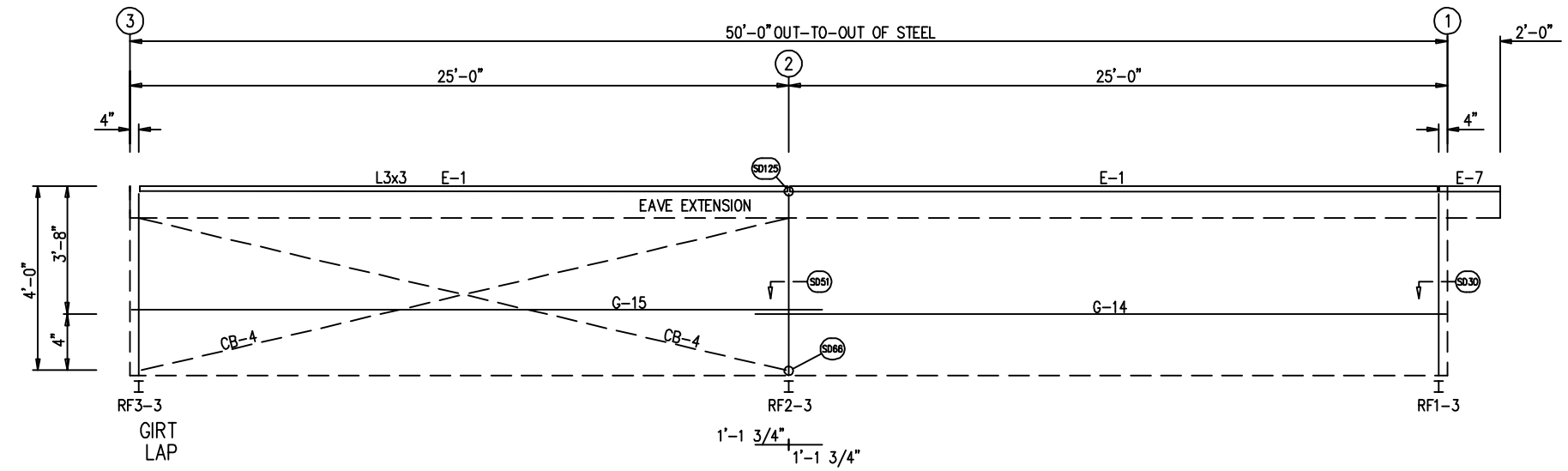


MONITOR WALL FRAMING: FRAME LINE A. 1

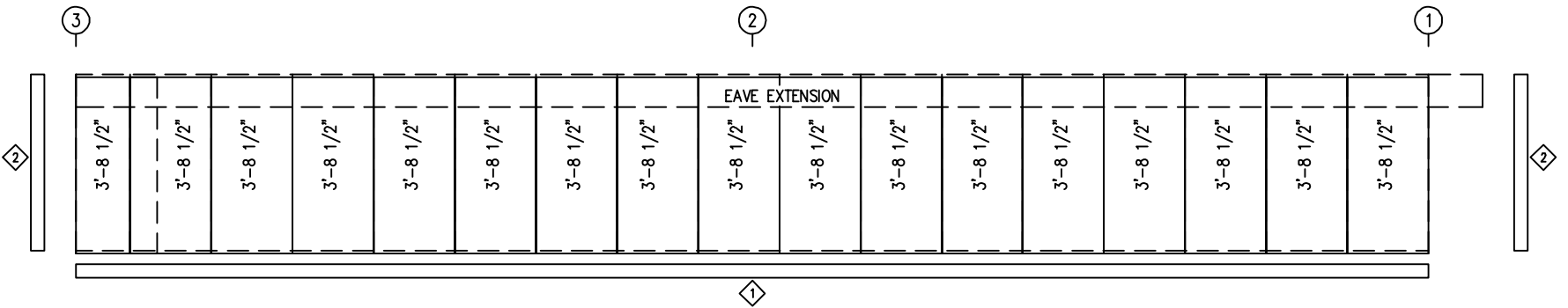


MONITOR WALL SHEETING & TRIM: FRAME LINE A. 1

PANELS: 26 GA. PBR - CRIMSON RED



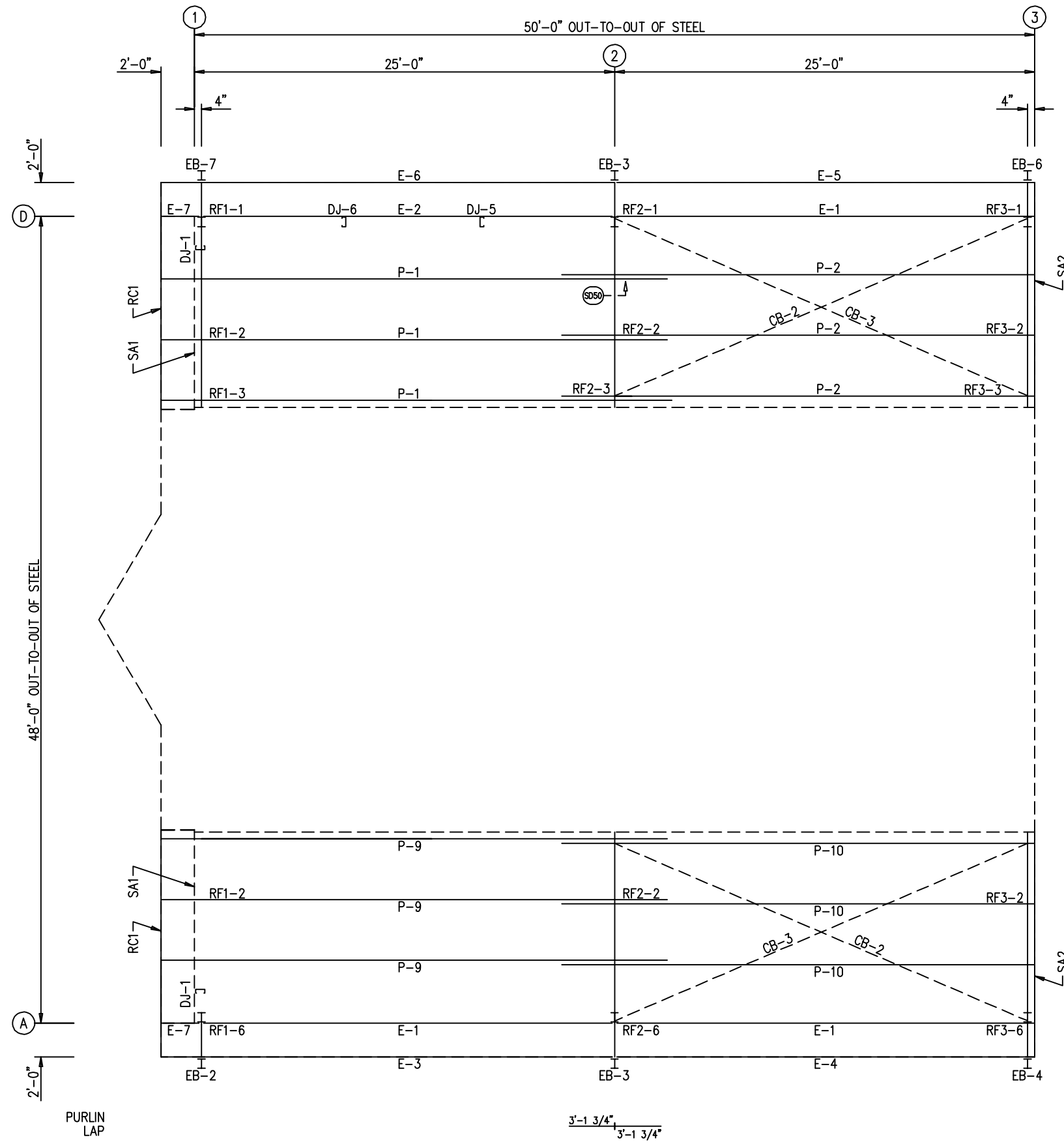
MONITOR WALL FRAMING: FRAME LINE C. 1



MONITOR WALL SHEETING & TRIM: FRAME LINE C. 1

PANELS: 26 GA. PBR - CRIMSON RED

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ROOF FRAMING PLAN

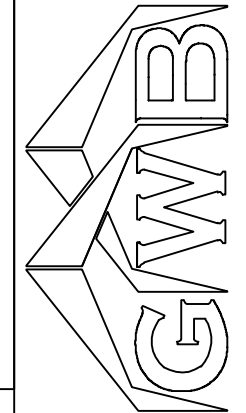
BOLT TABLE
ROOF PLAN

LOCATION	QUAN	TYPE	DIA	LENGTH
EB-2	4	A325	5/8"	1 1/2"
EB-3	4	A325	5/8"	1 1/2"
EB-4	4	A325	5/8"	1 1/2"
EB-6	4	A325	5/8"	1 1/2"
EB-7	4	A325	5/8"	1 1/2"

MEMBER TABLE
ROOF PLAN

QUAN	MARK	PART	LENGTH
1	EB-2	W8X10	4'-6 15/16"
2	EB-3	W8X10	4'-3 9/16"
1	EB-4	W8X10	4'-6 15/16"
1	EB-6	W8X10	4'-6 15/16"
1	EB-7	W8X10	4'-6 15/16"
3	P-1	8X25Z16	30'-1 1/2"
3	P-2	8X25Z16	28'-1 1/2"
3	P-9	8X25Z16	30'-1 1/2"
3	P-10	8X25Z16	28'-1 1/2"
3	E-1	L08E16-6	23'-11 13/16"
1	E-2	L08E16-6	23'-11 13/16"
1	E-3	L08E16-6	26'-7 11/16"
1	E-4	L08E16-6	24'-7 11/16"
1	E-5	L08E16-6	24'-7 11/16"
1	E-6	L08E16-6	26'-7 11/16"
2	E-7	L08E16-6	1'-11 11/16"
2	CB-2	RD0500	27'-8"
2	CB-3	RD0500	28'-1 1/2"

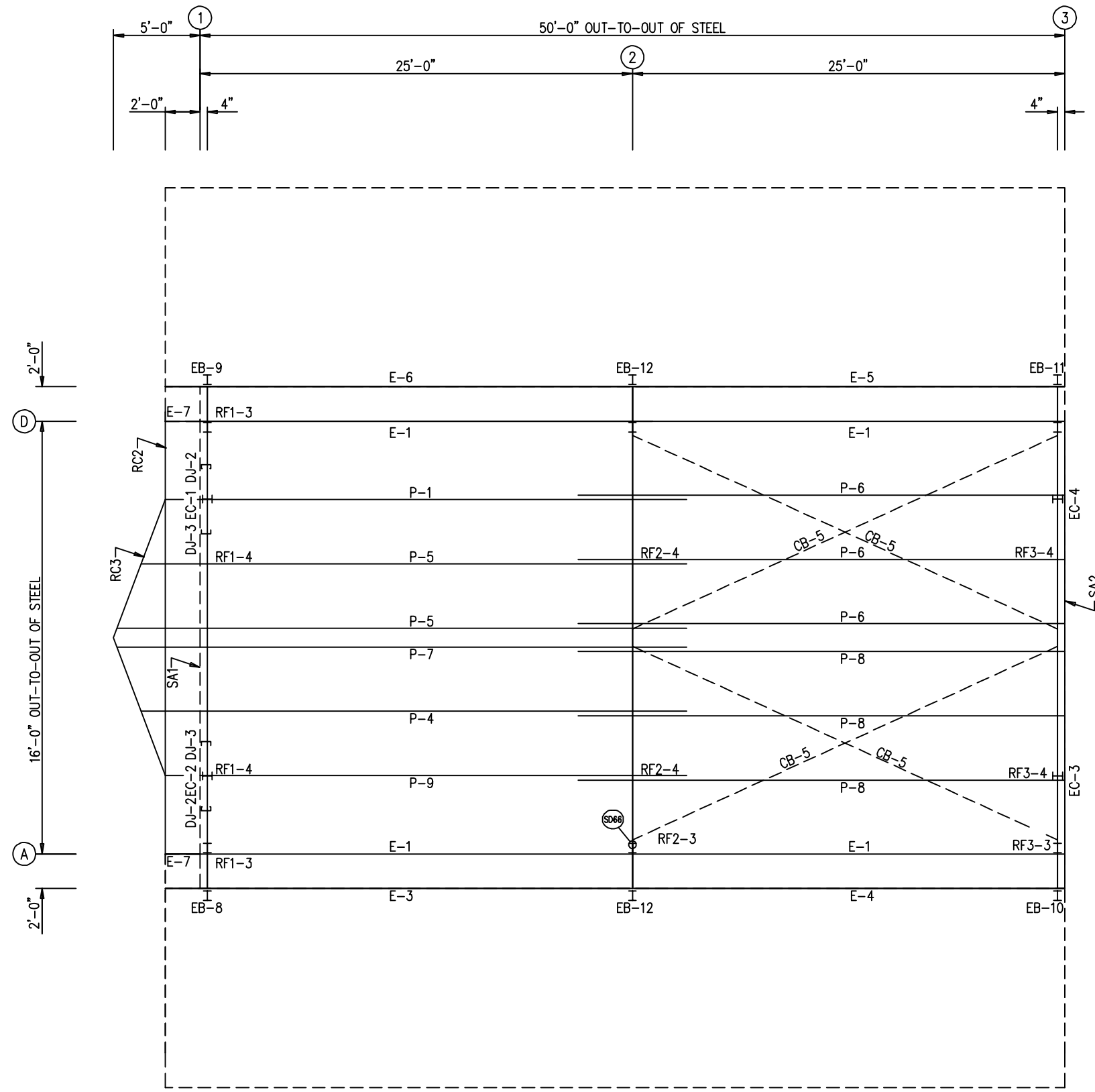
ENG.	RTS	RTS	RTS
CHK.	MEZ	CAF	JMH
DATE	06/21/21	04/14/21	06/30/23
DWN.	MEZ	SB	JMH
ISSUE	APPROVAL	PERMIT	ERECTION



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PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	15 OF 24
JOB NUMBER:	94207
SHEET TITLE:	ROOF FRAMING PLAN

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PURLIN LAP

3'-1 3/4" 3'-1 3/4"

ROOF FRAMING PLAN

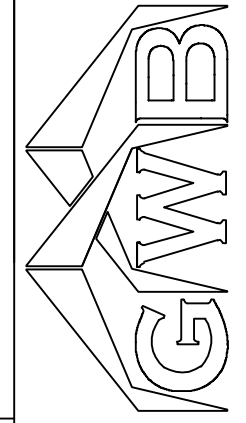
BOLT TABLE
ROOF PLAN

LOCATION	QUAN	TYPE	DIA	LENGTH
EB-8	4	A325	5/8"	1 1/2"
EB-9	4	A325	5/8"	1 1/2"
EB-10	4	A325	5/8"	1 1/2"
EB-11	4	A325	5/8"	1 1/2"
EB-12	4	A325	5/8"	1 1/2"

MEMBER TABLE
ROOF PLAN

QUAN	MARK	PART	LENGTH
1	EB-8	W8X10	5'-4 1/8"
1	EB-9	W8X10	5'-4 1/8"
1	EB-10	W8X10	5'-4 1/8"
1	EB-11	W8X10	5'-4 1/8"
2	EB-12	W8X10	5'-0 3/4"
1	P-1	8X25Z16	30'-1 1/2"
1	P-3	8X25Z16	31'-5 1/16"
1	P-4	8X25Z16	31'-5 1/16"
1	P-5	8X25Z16	32'-8 9/16"
3	P-6	8X25Z14	28'-1 1/2"
1	P-7	8X25Z16	32'-8 9/16"
3	P-8	8X25Z14	28'-1 1/2"
1	P-9	8X25Z16	30'-1 1/2"
4	E-1	L08E16-6	23'-11 13/16"
1	E-3	L08E16-6	26'-7 11/16"
1	E-4	L08E16-6	24'-7 11/16"
1	E-5	L08E16-6	24'-7 11/16"
1	E-6	L08E16-6	26'-7 11/16"
2	E-7	L08E16-6	1'-11 11/16"
4	CB-5	RD0500	28'-0 1/4"

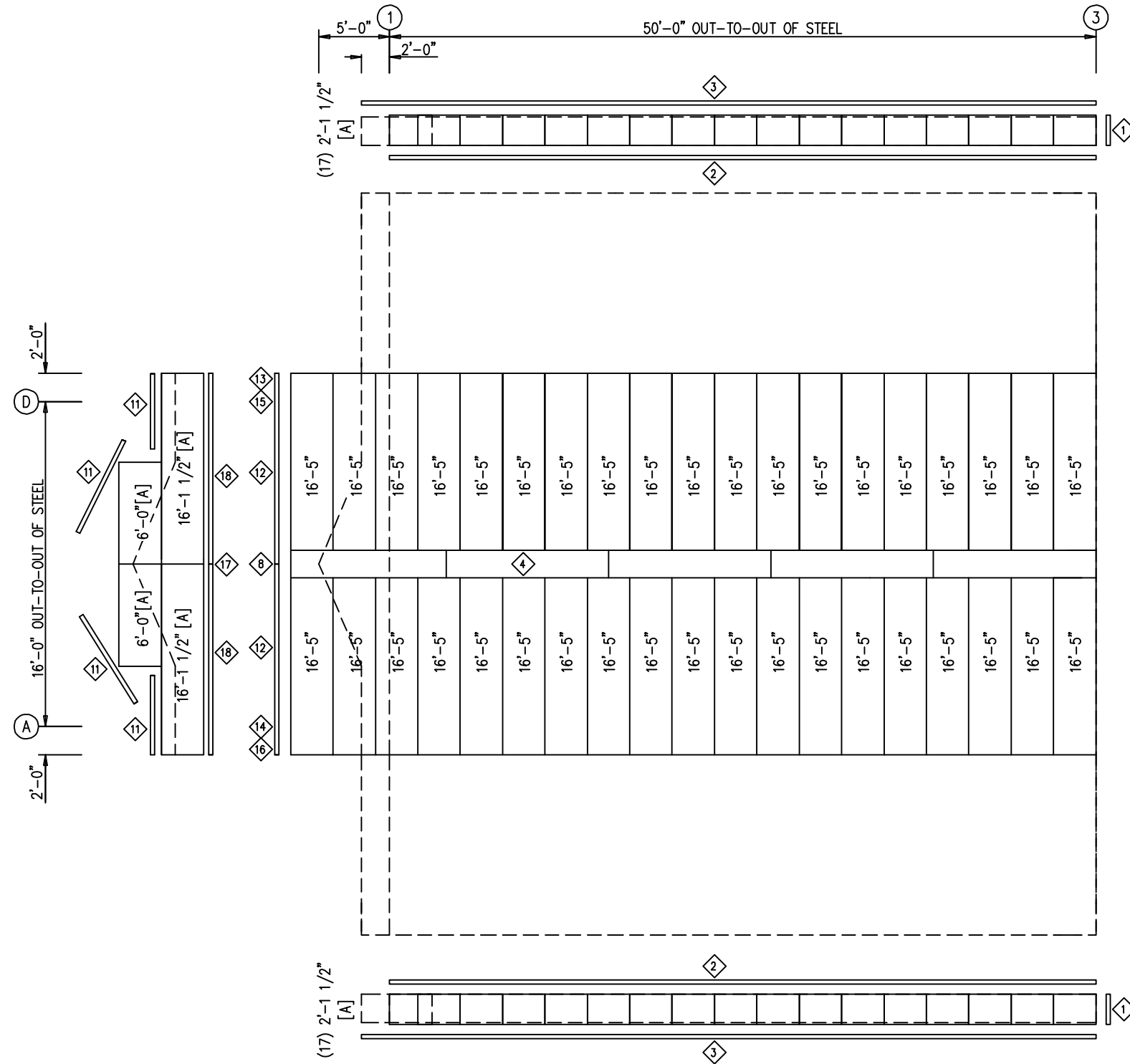
ENG.	CHK.	DATE	ISSUE
RTS	MEZ	06/21/21	APPROVAL
RTS	CAF	10/14/21	PERMIT
RTS	JMH	06/30/23	ERECTION



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CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	16 OF 24
JOB NUMBER:	94207
SHEET TITLE:	ROOF FRAMING PLAN

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ROOF SHEETING PLAN
 PANELS: 26 GA. PBR - CHARCOAL GRAY
 [A] SOFFIT PANELS: 26 GA. PBR - CRIMSON RED

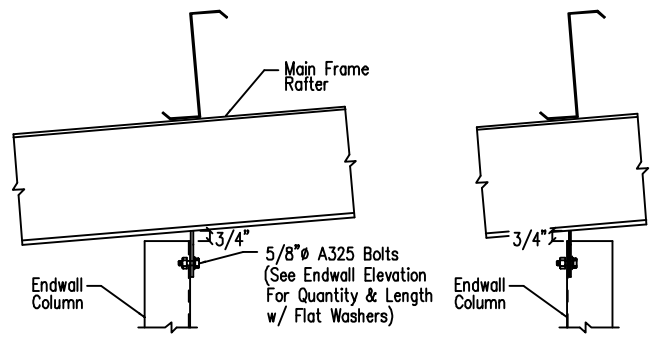
ID	QUAN	PART	LENGTH	DETAIL
1	2	FL-79	2'-2"	TD64
2	10	FL-501	10'-4"	TD236
3	10	FL-500	10'-8"	TD20
4	5	FL-56	11'-4"	TD9
5	2	FL-29L	11'-2"	TD13
6	2	FL-30L	8"	TD85
7	6	FL-29	10'-10"	TD26
8	1	FL-23	1'-4"	
9	2	FL-29R	11'-2"	TD13
10	2	FL-30R	8"	TD85
11	4	FL-79	9'-0"	TD64
12	2	FL-21	10'-0"	TD64
13	1	FL-21L	11'-2"	TD13
14	1	FL-21R	11'-2"	TD13
15	1	FL-328L	9 1/2"	TD85
16	1	FL-328R	9 1/2"	TD85
17	1	FL-88	5'-2"	TD72
18	2	FL-64	8'-4"	TD70

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	06/21/21	APPROVAL
RTS	CAF	10/14/21	PERMIT
RTS	JMH	06/30/23	ERECTION

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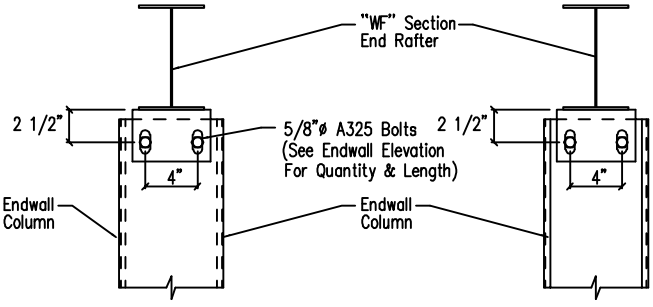
CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	18 OF 24
JOB NUMBER:	94207
SHEET TITLE:	ROOF SHEETING PLAN

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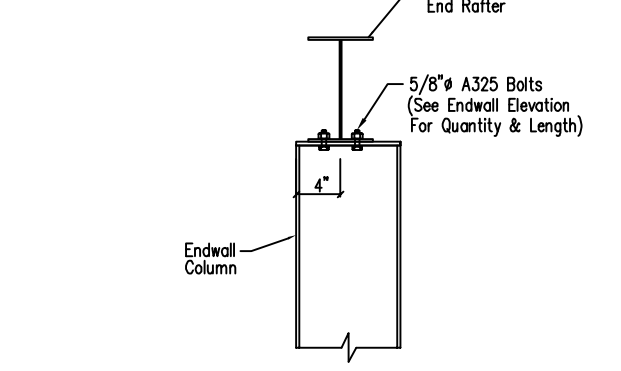
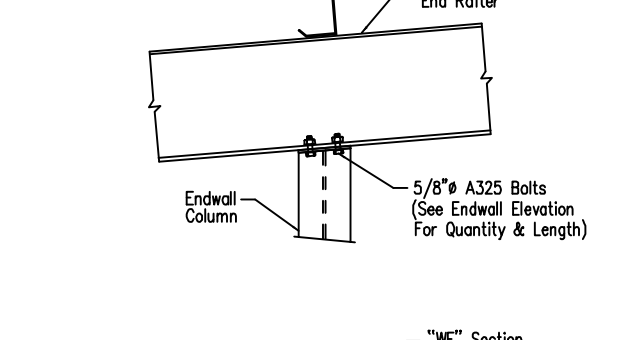
See Endwall Column Toes Toward Downslope

See Endwall Column Toes Toward Upslope



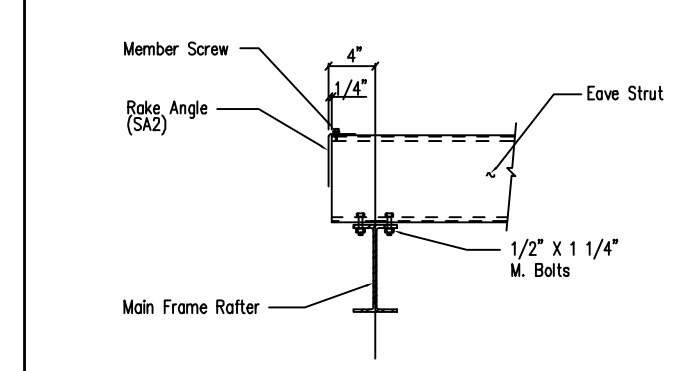
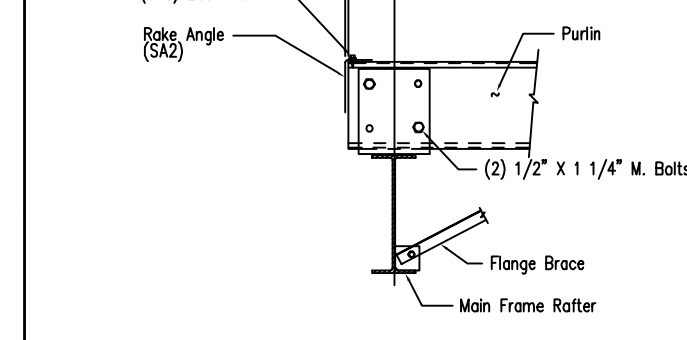
Cold Form Column to Main Frame Rafter

DRAWING NO. SD4



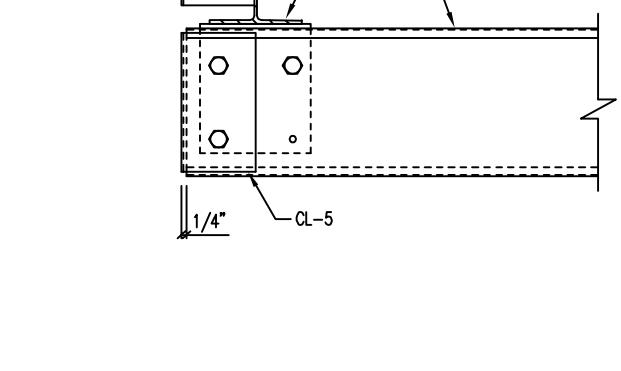
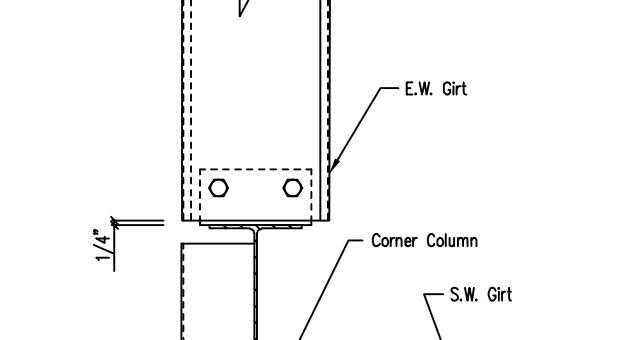
Hot Rolled Column to Hot Rolled Rafter

DRAWING NO. SD8



Main Frame Rafter Connection
PURLIN & EAVE STRUT CONNECTION

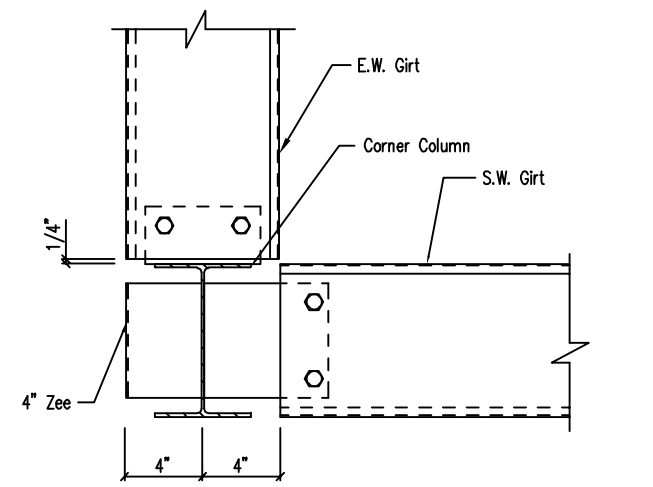
DRAWING NO. SD9



Section at Hot Rolled Corner Column
Flush Endwall - By-Pass Sidewall

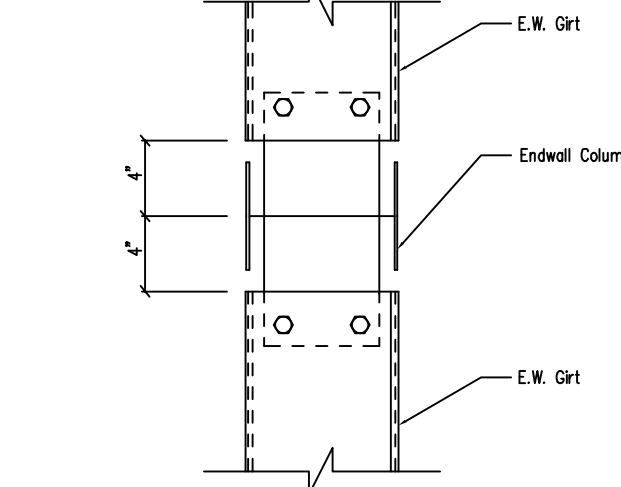
DRAWING NO. SD30

Note: All connection bolts are 1/2" x 1" machine bolts unless noted.



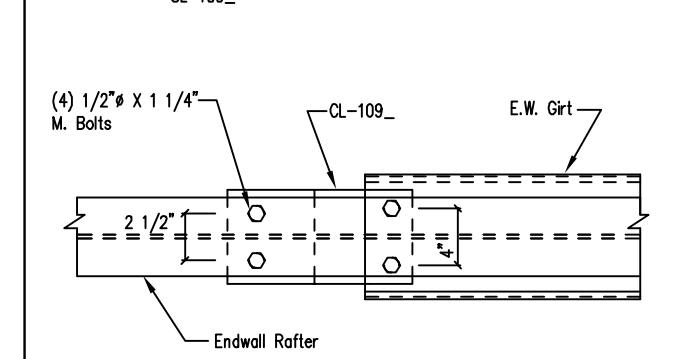
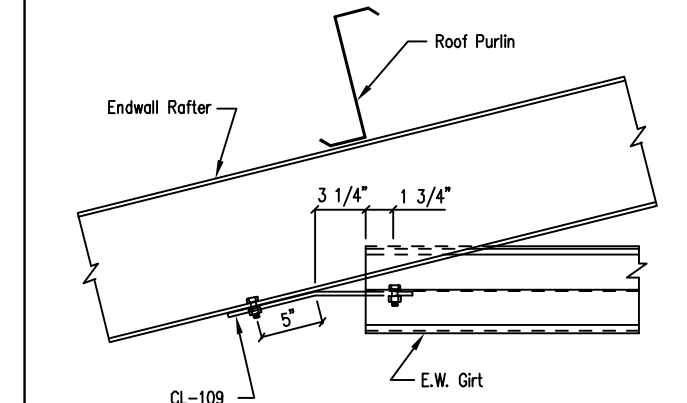
Section at Hot Rolled Corner Column
Flush Endwall - Flush Sidewall

DRAWING NO. SD33



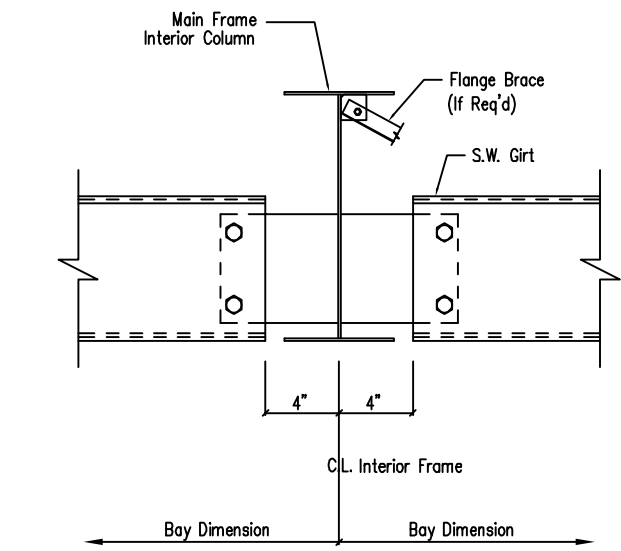
Girt to Hot Rolled Endwall Column Connection

DRAWING NO. SD44



Endwall Girt to Hot Rolled Rafter

DRAWING NO. SD45



Section at Interior MF Column
Flush Sidewall

DRAWING NO. SD49

Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

ENG.	CHK.	DATE	DWN.	MEZ	RTS	MEZ	RTS	CAF	RTS	JMH	RTS
		06/21/21				10/14/21					
						06/30/23					

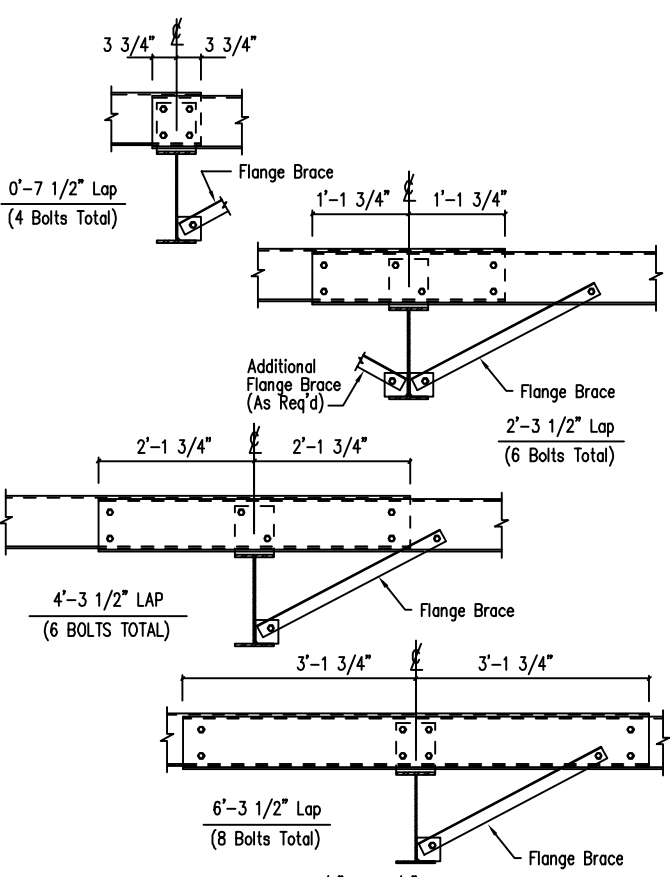
ISSUE	APPROVAL	PERMIT	ERECTION



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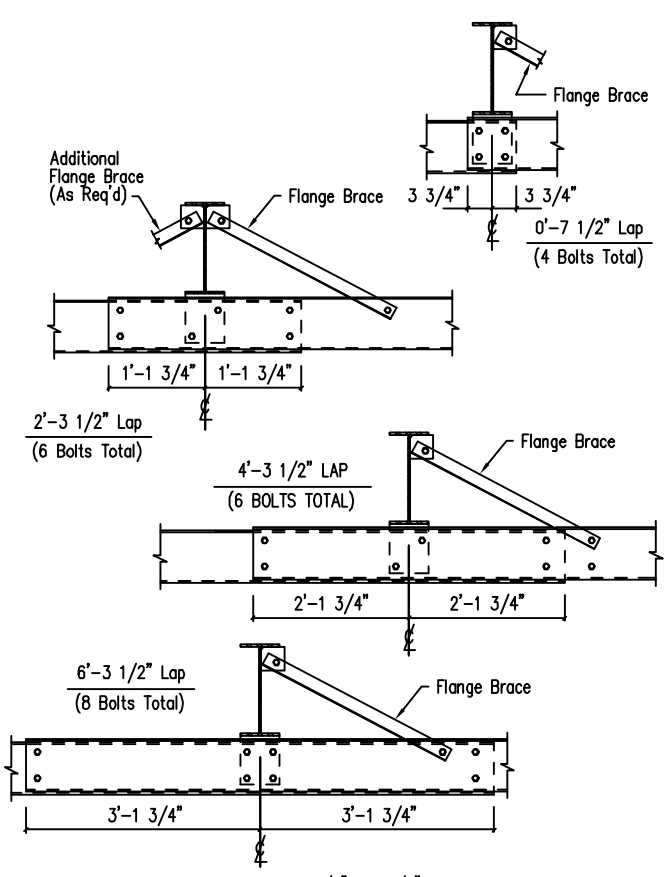
CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
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SHEET NUMBER:	19 OF 24
JOB NUMBER:	94207
SHEET TITLE:	DETAIL DRAWINGS

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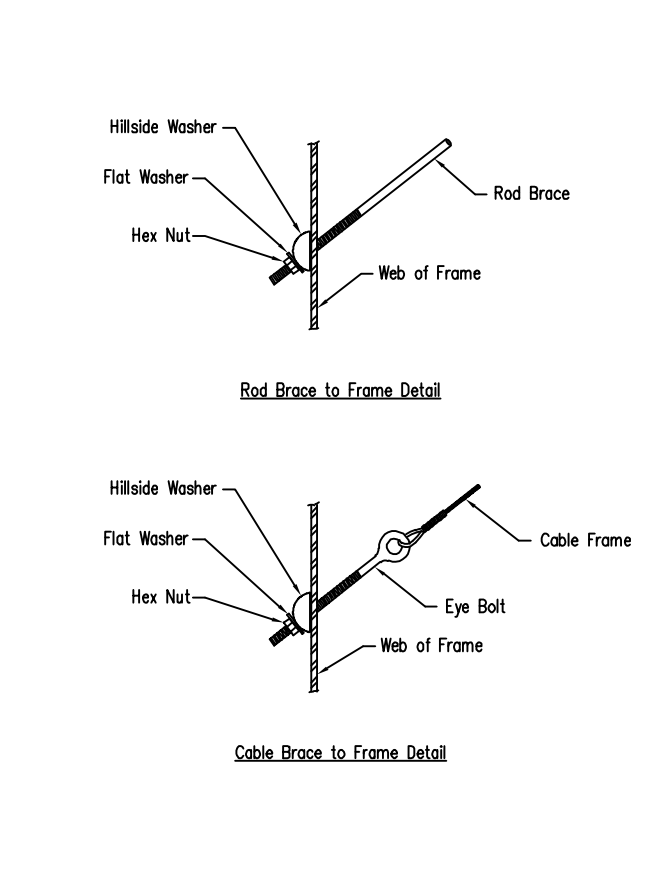
Interior Bay Purlin Framing

DRAWING NO.
SD50



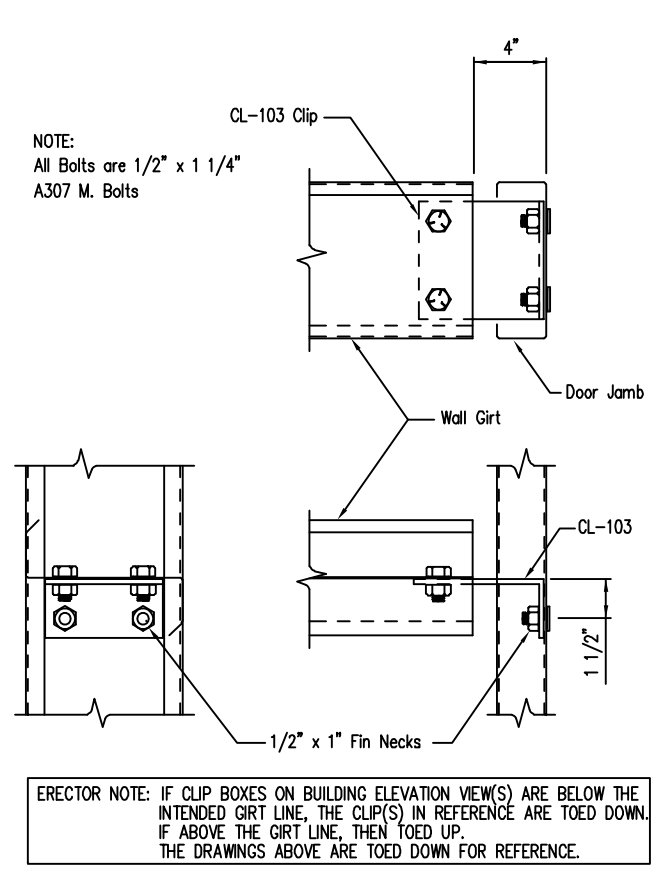
Interior Bay Girt Framing

DRAWING NO.
SD51



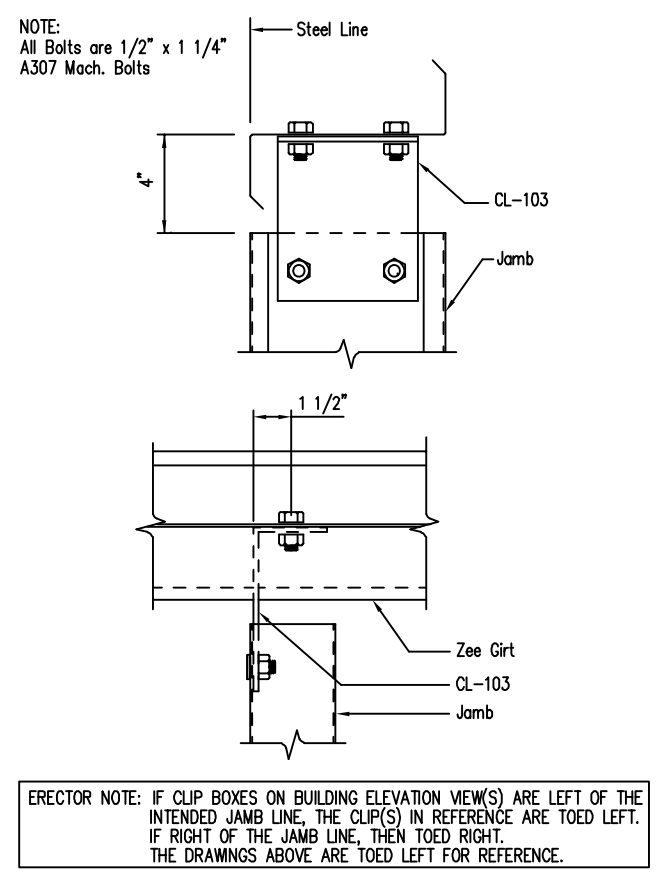
Cable or Rod Brace to Frame Connection

DRAWING NO.
SD66



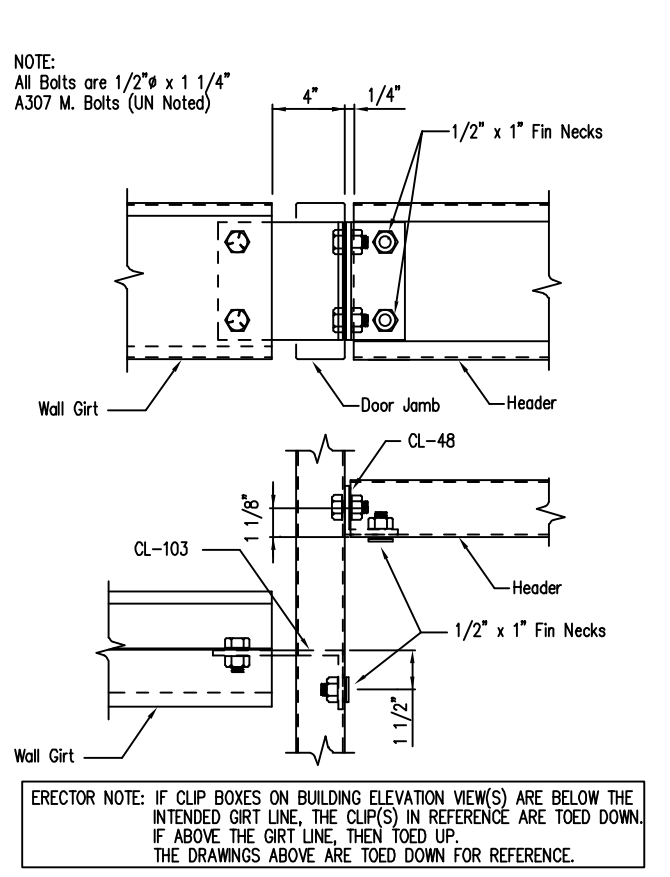
Girt to Jamb (Bolted Clips)

DRAWING NO.
SD87



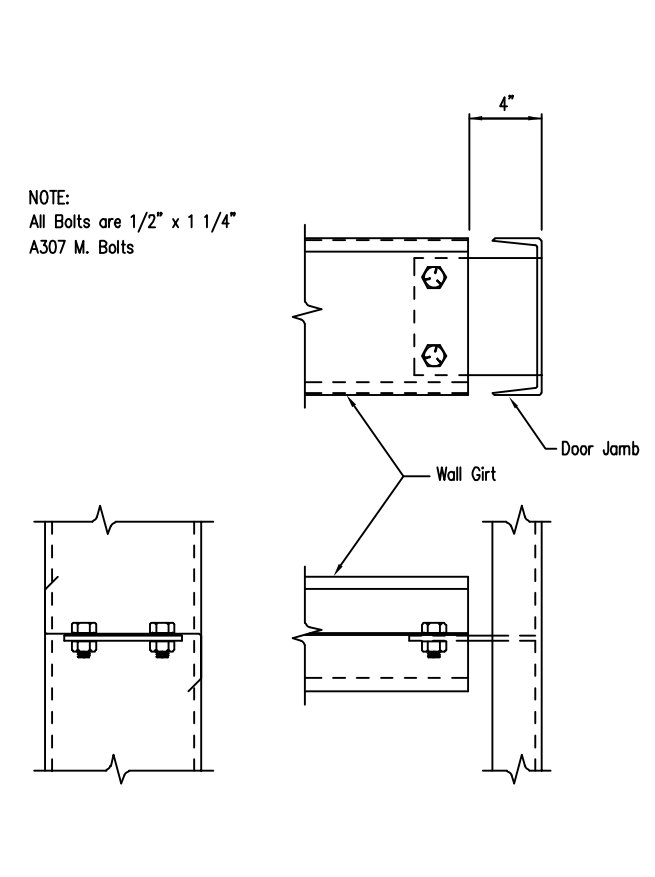
Jamb to Girt

DRAWING NO.
SD93



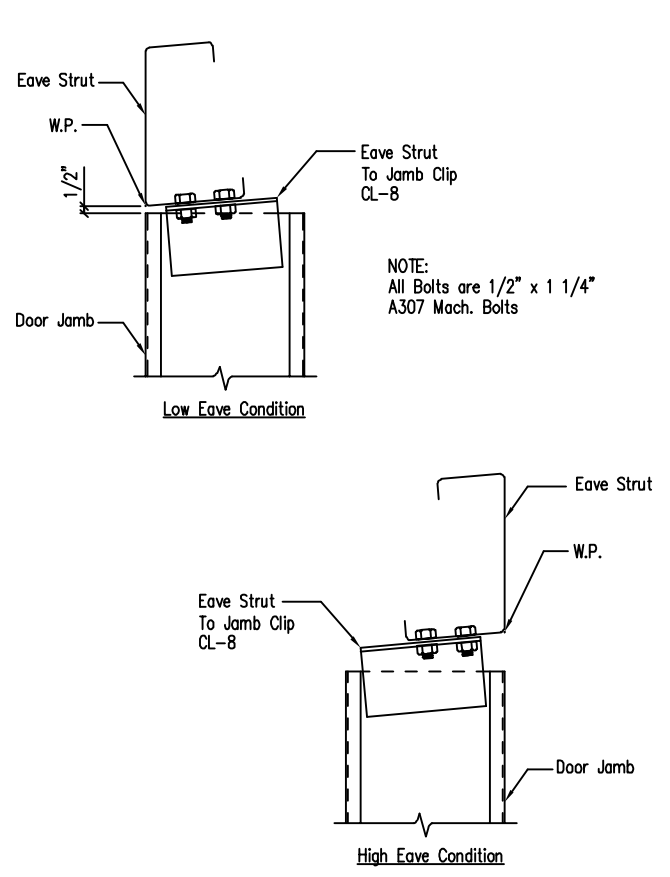
Girt/Header to Jamb

DRAWING NO.
SD95



Girt to Jamb

DRAWING NO.
SD96



Jamb To Eave Strut
2:12 Roof Pitch and Higher

DRAWING NO.
SD97

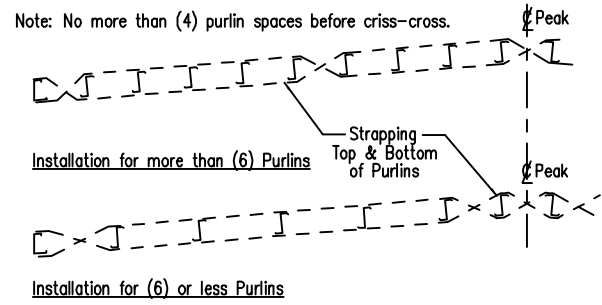
ENG.	RTS	CHK.	DATE	ISSUE
			06/21/21	APPROVAL
			10/14/21	PERMIT
			06/30/23	ERECTION

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CUSTOMER EMAIL:	
SCALE:	
SHEET NUMBER:	20 OF 24
JOB NUMBER:	94207
SHEET TITLE:	DETAIL DRAWINGS

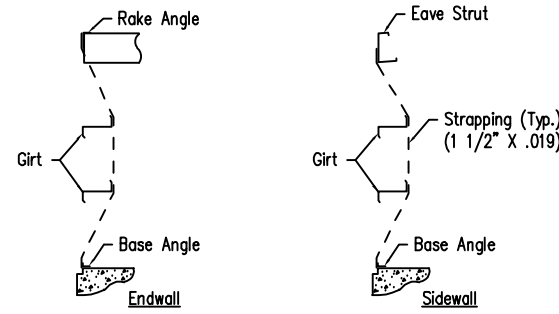
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Roof Uplift Strap Installation
(Refer to Roof Plan for Locations)

- Note: 1) Attach straps w/#10-16 x 1" pancake self driller (RF1) at purlins or girts.
2) No criss-cross straps in walls.

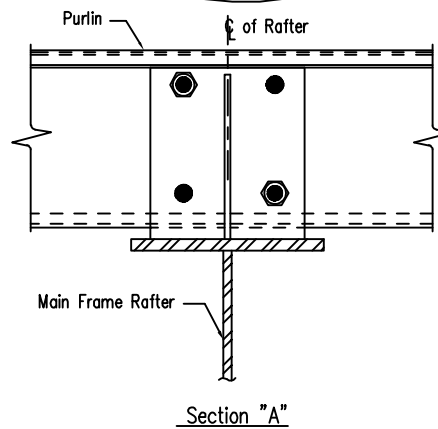
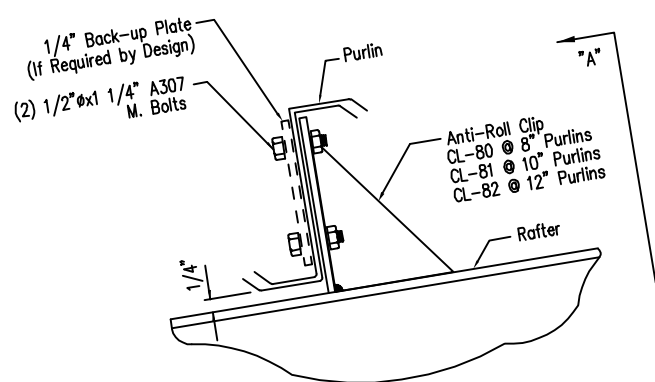


Wall Suction Strap Installation
(Refer to Wall Elevations for Location)

Roof Uplift and Wall Suction Strap Details

DRAWING NO.
SD102

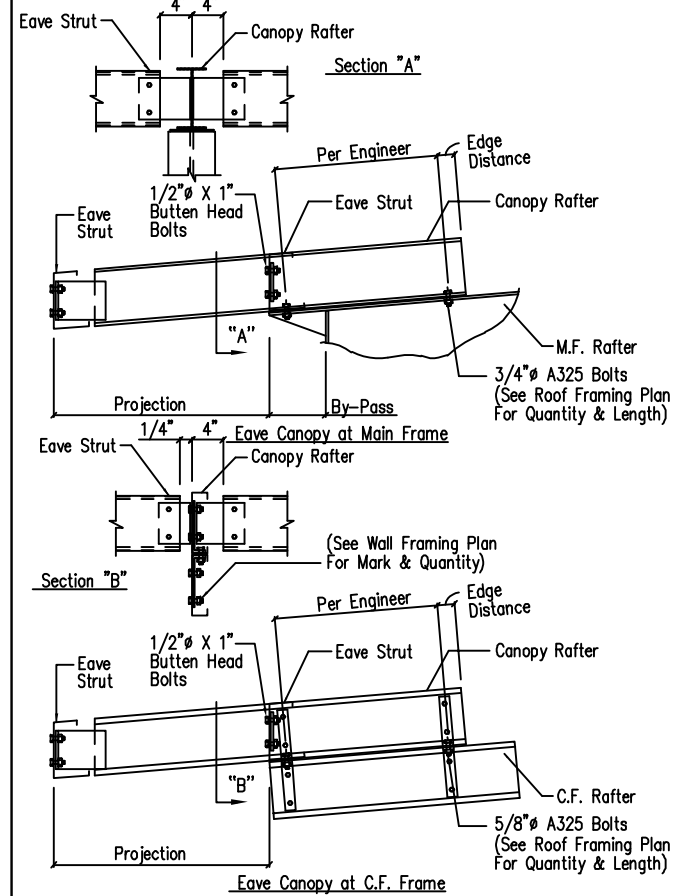
Created On: 5/28/12



Purlin to Anti-Roll Clip Connection

DRAWING NO.
SD115

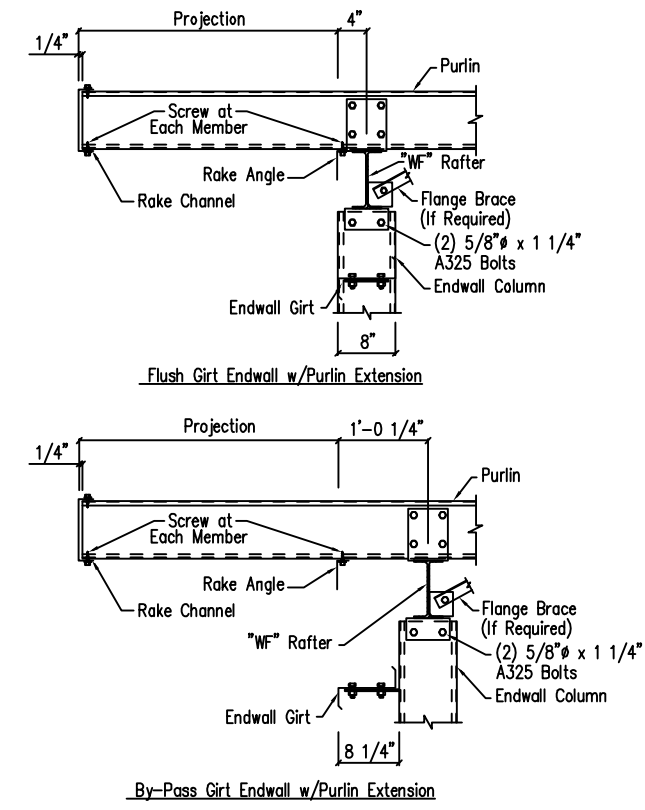
Created On: 3/28/11



Eave Canopy Framing Detail

DRAWING NO.
SD125

Revised On: 3/28/20



Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

Purlin Extension Framing Details
Hot Roll Rafter

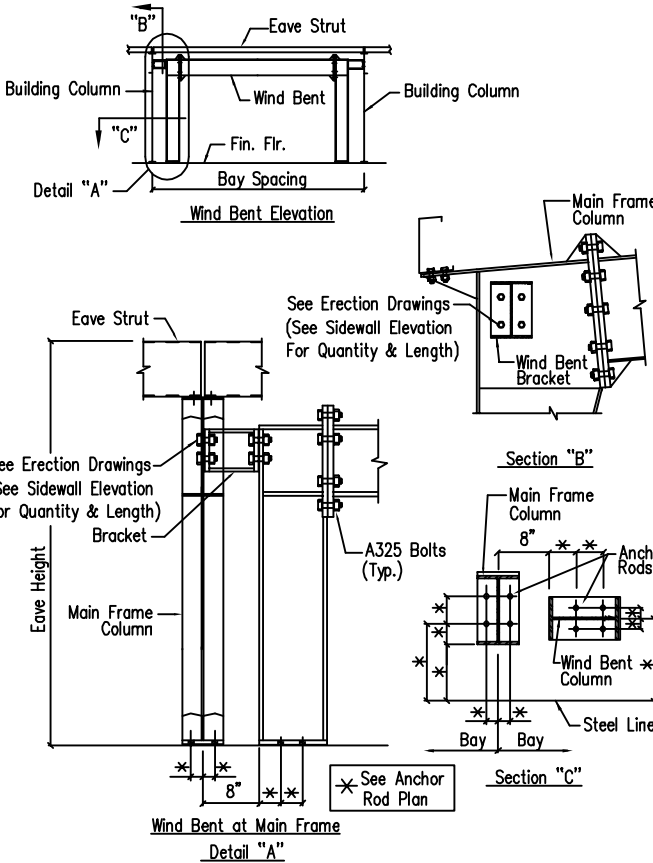
DRAWING NO.
SD131

7/9/17

ENG.	CHK.	RTS	RTS	RTS
DATE	DWN.	MEZ	SB	JMH
06/21/12				
10/14/12				
06/30/23				
ISSUE	APPROVAL	PERMIT	ERECTION	

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CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	21 OF 24
JOB NUMBER:	94207
SHEET TITLE:	DETAIL DRAWINGS



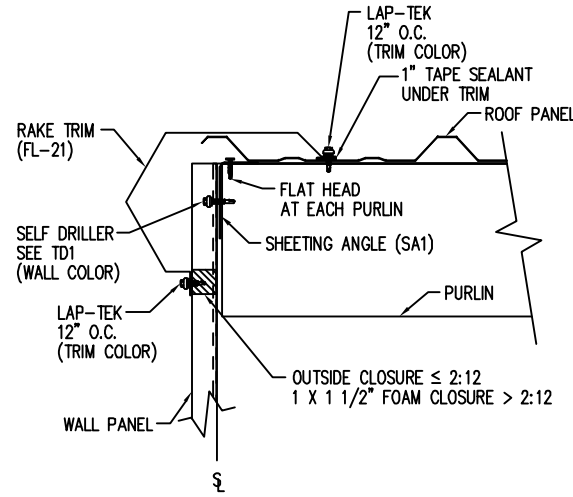
Flush Wind Bent

DRAWING NO.
SD151

Created On: 5/25/12

Revised On: 7/25/14

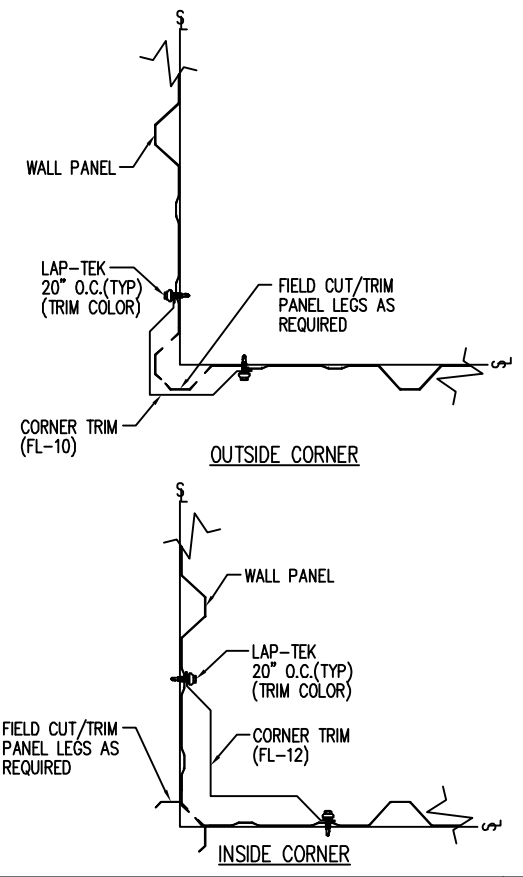
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NOTE: FIELD SLOPE CUT WALL PANELS AS REQUIRED FOR ROOF SLOPE

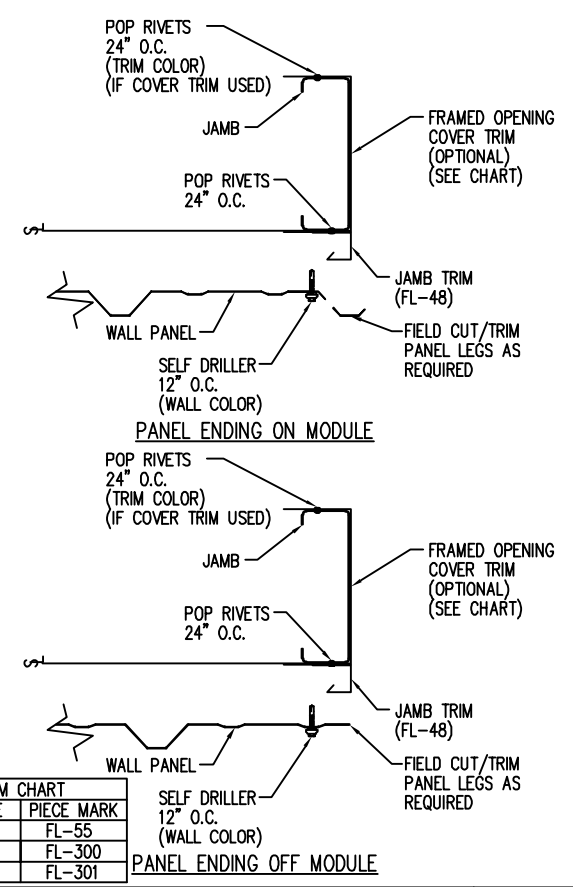
Rake Detail - PBR
Sculptured Rake - Sheeted Wall

DRAWING NO.
TD35



Section at Corner Detail - PBR

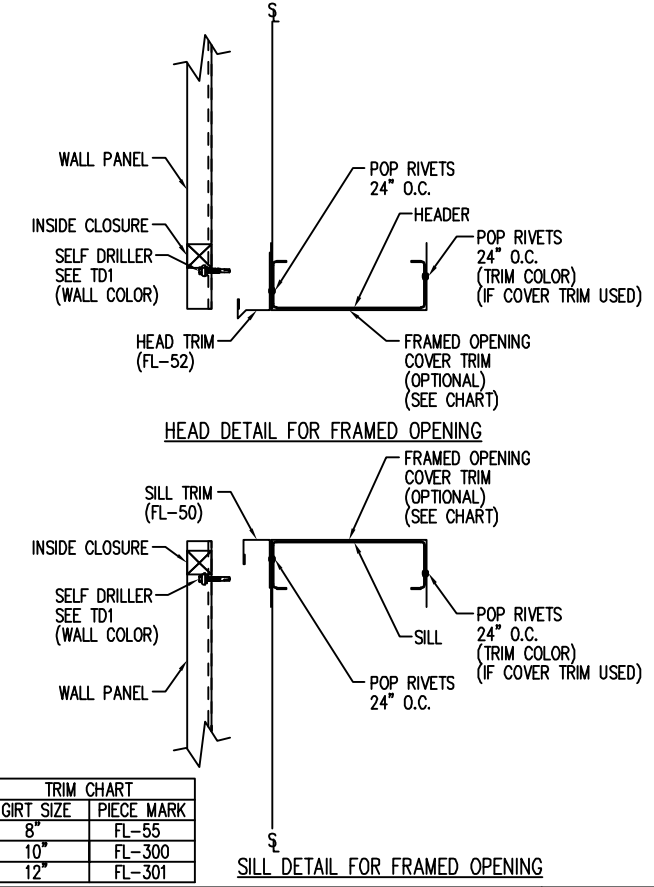
DRAWING NO.
TD40



TRIM CHART	
GIRT SIZE	PIECE MARK
8"	FL-55
10"	FL-300
12"	FL-301

Framed Opening Jamb Detail - PBR

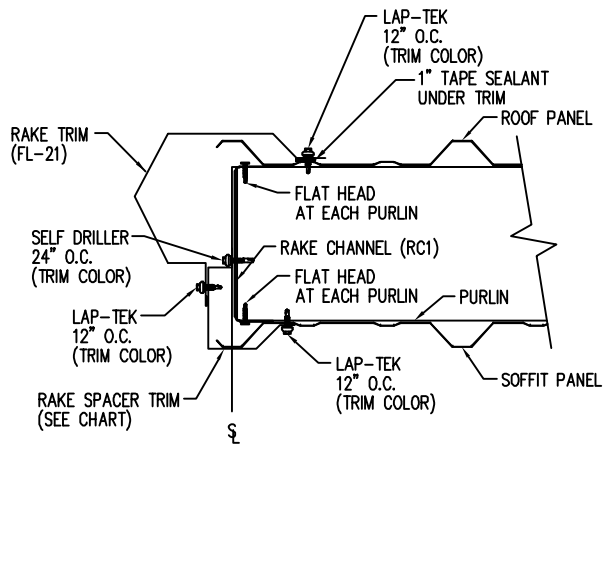
DRAWING NO.
TD51



TRIM CHART	
GIRT SIZE	PIECE MARK
8"	FL-55
10"	FL-300
12"	FL-301

Framed Opening Head and Sill Details - PBR

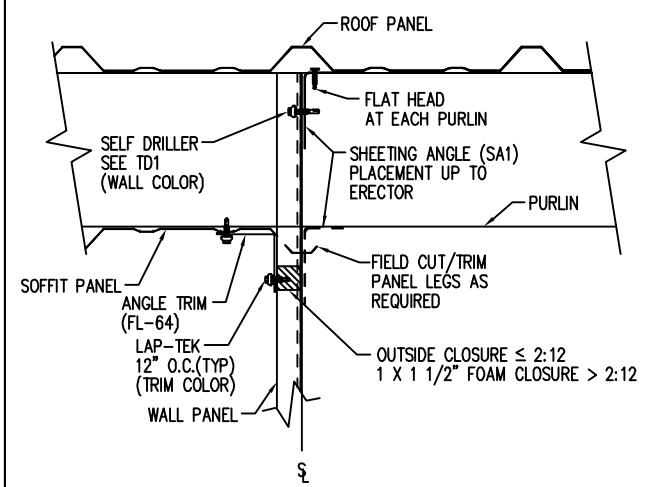
DRAWING NO.
TD52



TRIM CHART	
PURLIN SIZE	PIECE MARK
8"	FL-79
10"	FL-367
12"	FL-368

Rake Detail - PBR
Box Rake - Open Wall - With Soffit

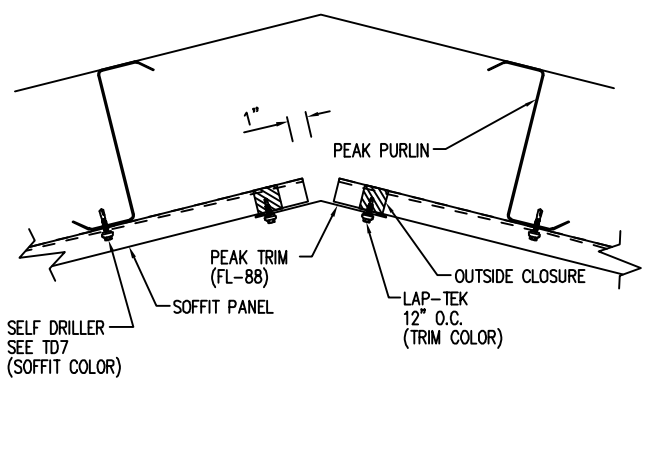
DRAWING NO.
TD65



NOTE: FIELD NOTCH WALL PANEL AROUND PURLINS AND EAVE STRUTS
NOTE: FIELD SLOPE CUT WALL PANELS AS REQUIRED FOR ROOF SLOPE

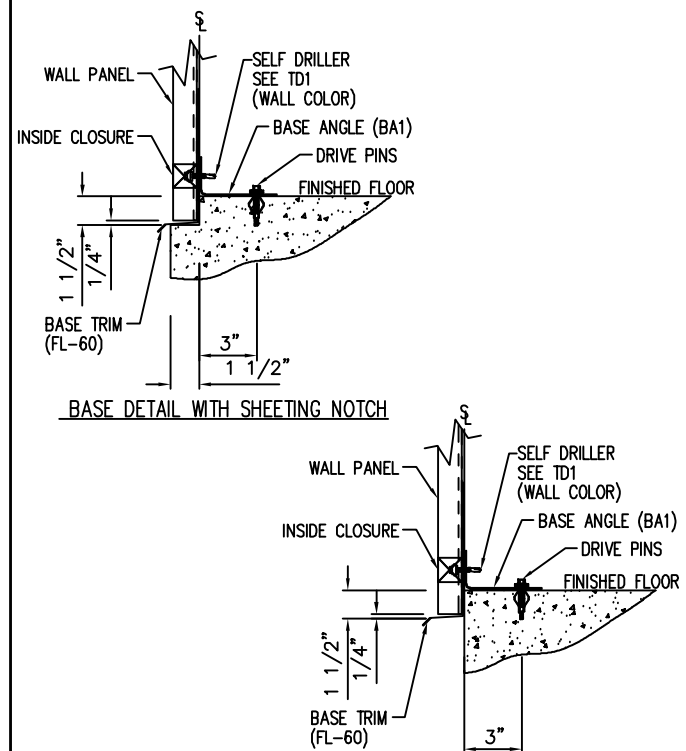
Rake Extension Detail at Building Line - PBR
Sheeted Wall - With Soffit

DRAWING NO.
TD70



Flat Ridge Detail - PBR
With Soffit

DRAWING NO.
TD72



NOTE: IF INSULATION IS REQUIRED INSTALL TRIM FIRST.
NOTE: A MINIMUM OF 1/4" SPACE SHOULD BE ALLOWED FROM THE SHEET END TO ANY SURFACE
NOTE: USE POWER DRIVEN FASTENERS SUCH AS RAMSET (OR EQUAL), 0.140" STRAIGHT SHANK W 1 1/4" PENETRATION AND MIN. ALLOWABLE SHEAR OF 220# (2'-0" O.C.) (NOT BY GAB)

Base Angle w/Trim Details

DRAWING NO.
TD74

ENG.	CHK.	DATE	DWN.	MEZ	RTS	CAF	SB	JMH	JMH	RTS
		06/21/21	MEZ							
		10/14/21	SB							
		06/30/23	JMH							



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AURORA, CO 80014
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	23 OF 24
JOB NUMBER:	94207
SHEET TITLE:	DETAIL DRAWINGS

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