

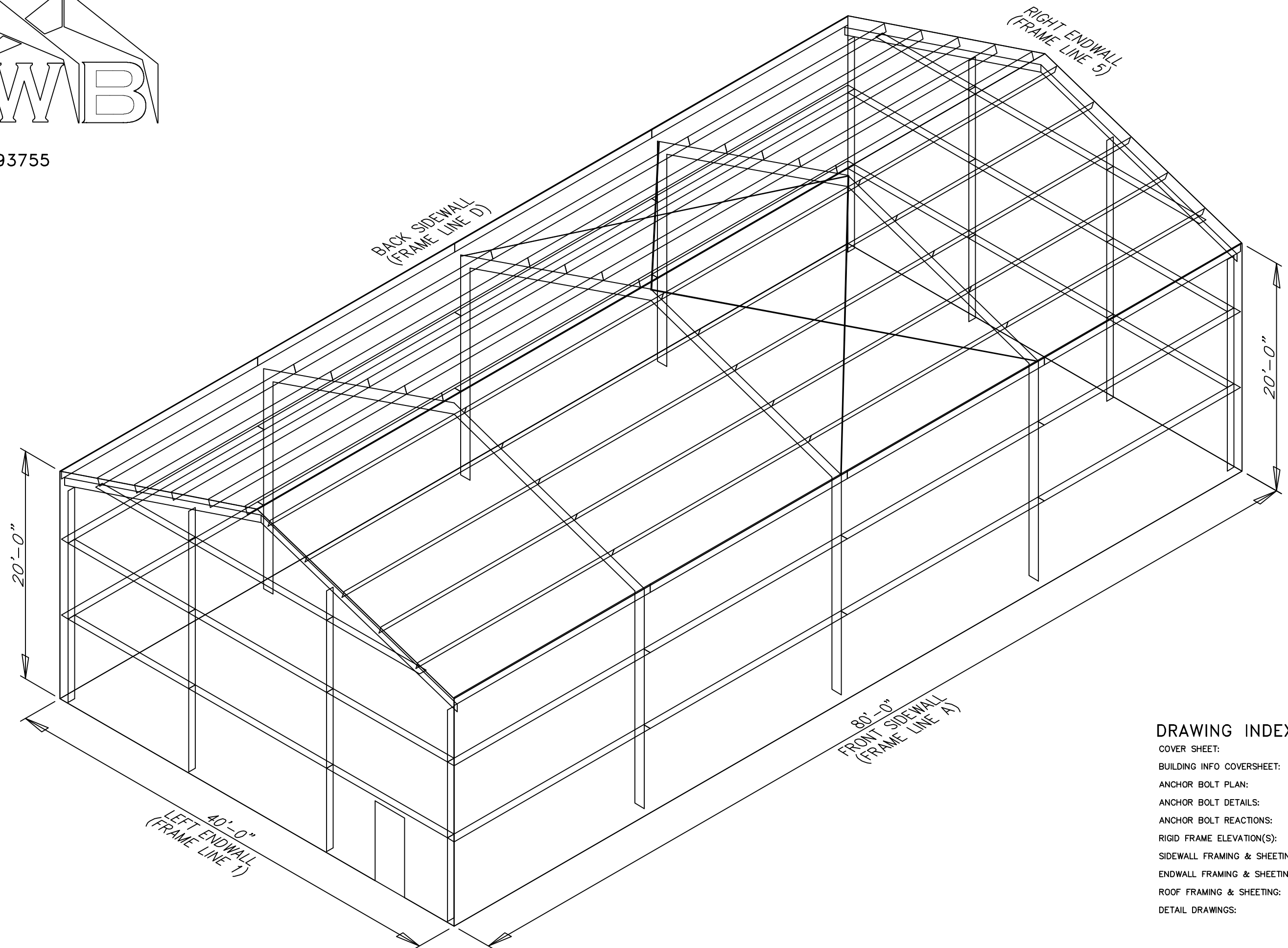
JOB NUMBER: 93755

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".
1.2 MATERIALS
HOT ROLLED STEEL SHAPES (W, & C)
HOT ROLLED STEEL ANGLES (L)
STEEL PIPES
STRUCTURAL TUBING
STRUCTURAL STEEL WEB PLATE
STRUCTURAL STEEL FLANGE PLATES/BARS
COLD FORMED LIGHT GAGE
ROOF & WALL SHEETS
CABLE BRACE
ROD BRACE
MACHINE BOLTS & NUTS
HIGH STRENGTH BOLTS (1" & LESS)
HIGH STRENGTH BOLTS (>1" TO 1 1/2")
ANCHOR BOLTS (NOT SUPPLIED BY M.B.S.)
ASTM DESIGNATION
MIN. YIELD STRENGTH
MIN. TENSILE STRENGTH

- 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" x 0'-1 1/4" A307 EXCEPT :
A) ENDWALL RAFTER SPLICE - 5/8" x 0'-1 3/4" A325-N
B) ENDWALL COLUMN TO RAFTER CONNECTION - (SEE WALL ELEVATION)
C) MAIN FRAME CONNECTIONS - SEE CROSS SECTION
D) DEDUCE BRACE CONNECTIONS - 1/2" 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 RESPONSIBILITY 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. SEE TABLE BELOW.

Table with 3 columns: ROOF SNOW LOAD (IN PSF), EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES), RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES). Rows include values from 20 to 80 PSF.

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

BUILDING LOADS

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

DESIGN LOADS:

- DESIGN CODE / WIND CODE : IBC-18
OCCUPANCY / RISK CATEGORY : II-Normal
ENCLOSURE : Closed
ROOF DEAD LOAD (D) (PSF) : 2.00
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) : 31.47/-34.13
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) : 5.00
ROOF SNOW LOAD, (Pf) (PSF) : 5.00
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 = 0.076 : S1 = 0.048
SPECTRAL RESPONSE COEFFICIENTS : Sds = 0.081 : Sd1 = 0.075
SEISMIC DESIGN CATEGORY : B
BASIC SEISMIC FORCE RESISTING SYSTEM : STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE
: RIGID FRAMES (OMF)
: BRACED FRAMES (OCBF/OMF)
TOTAL DESIGN BASE SHEAR, (V) (KIPS) : LONGITUDINAL = 0.57
: TRANSVERSE = 0.54
RESPONSE MODIFICATION FACTORS, (R) : RIGID FRAMES = 3.00 Omega = 3.00
SEISMIC RESPONSE COEFFICIENTS, (Cs) : RIGID FRAMES = 0.0270
ANALYSIS PROCEDURE USED : EQUIVALENT LATERAL FORCE PROCEDURE
OTHER LOADS/REQUIREMENTS

THIS BUILDING IS DESIGNED USING PANEL SHEAR BRACING. NO ADDITIONAL OPENINGS ARE TO BE ADDED WITHOUT CONSULTING THE ORIGINAL DESIGN ENGINEER OR A LOCAL ENGINEERING PROFESSIONAL.

BUILDING DESCRIPTION:

- WIDTH (FT) : 40.00
LENGTH (FT) : 80.00
EAVE HEIGHT AT BSW (FT) : 20.00
EAVE HEIGHT AT FSW (FT) : 20.00
ROOF SLOPE AT BSW : 4.0:12
ROOF SLOPE AT FSW : 4.0:12
BAY SPACING (FT) : 4 AT 20

COVERING AND TRIMS:

- ROOF PANELS & TRIMS
PANEL TYPE : 26 GA. PBR
PANEL COLOR : GALVALUME
TRIM COLORS
GABLE/EAVE : COAL BLACK
EAVE GUTTER : N/A
WALL PANELS & TRIMS
PANEL TYPE : 26 GA. PBR
PANEL COLOR : KOKO BROWN
TRIM COLORS
CORNER : COAL BLACK
FRAMED OPENING : COAL BLACK
DOWNSPOUTS : N/A
BASE : KOKO BROWN

- INSULATION
ROOF INSULATION : N/A
WALL INSULATION : N/A

Table with columns: ENG, CHK, RTS, MEZ, CAF, PKD, DATE, DWN, MEZ, AA, PKD, APPROVAL, PERMIT, ERECTION.

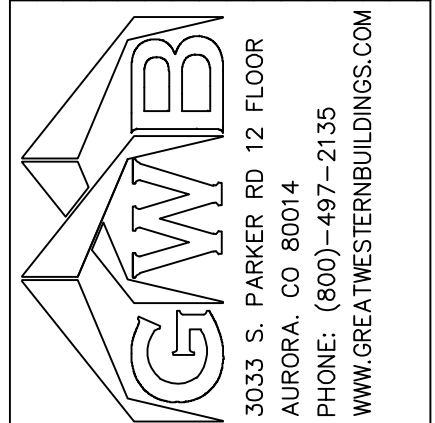


Table with columns: CUSTOMER NAME, PROJECT NAME, PROJECT LOCATION, PROJECT COUNTY, PROJECT END USE, CUSTOMER PHONE NUMBER, CUSTOMER EMAIL, SCALE, SHEET NUMBER, JOB NUMBER.

2 OF 15
93755

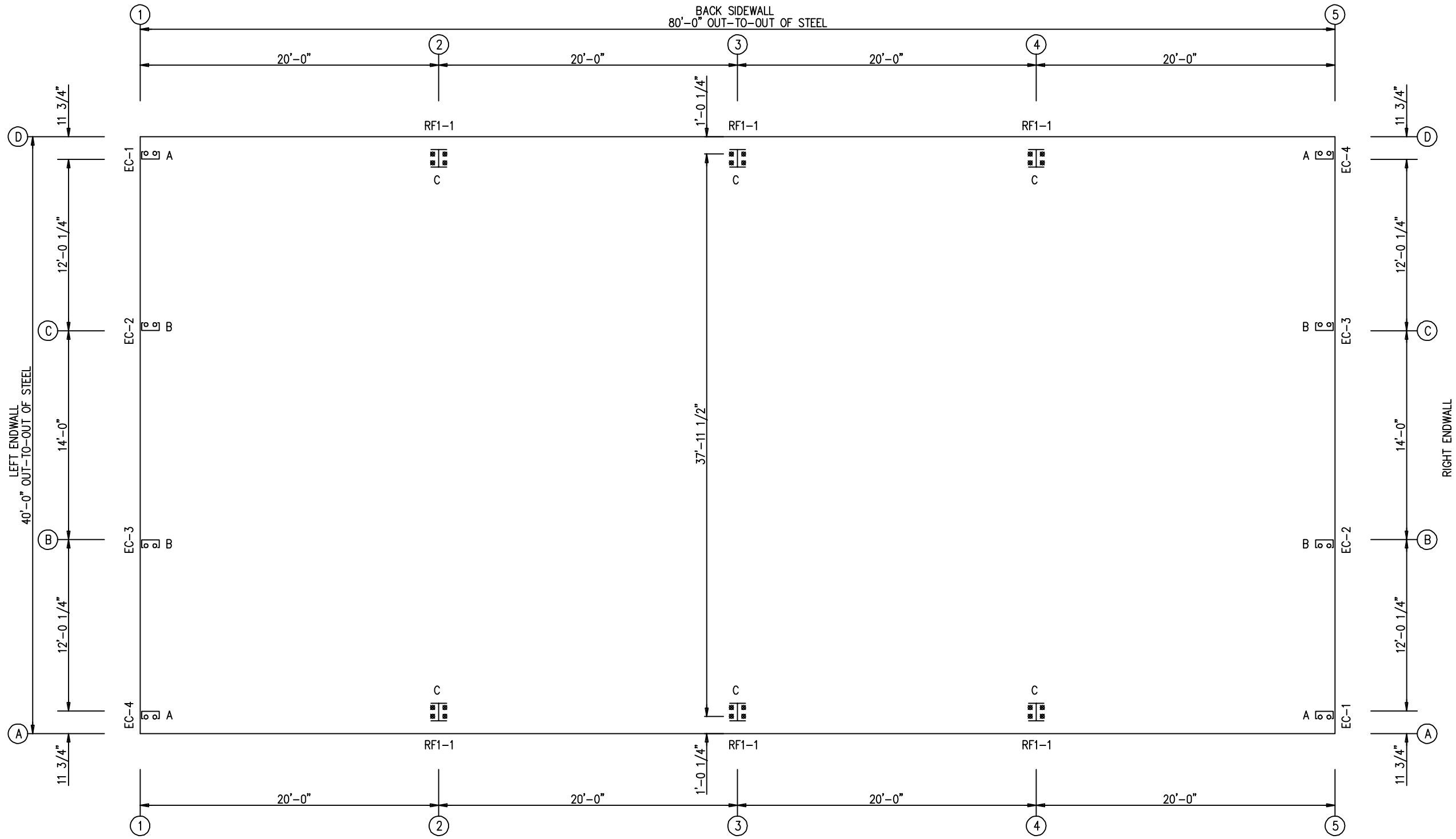
BUILDING INFO COVERSHEET

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.

ANCHOR BOLT SUMMARY

QTY	LOCATE	DIA (in)	TYPE
○ 16	ENDWALL	5/8"	A307
⊗ 24	FRAME	3/4"	A307

DATE	DWN.	CHK.	ENG.
08/07/21	MEZ	MEZ	RTS
03/07/22	AA	CAF	RTS
09/16/22	PKD	PKD	RTS



ANCHOR BOLT PLAN
NOTE: ALL BASE PLATES @ 100'-0" (U.N.)

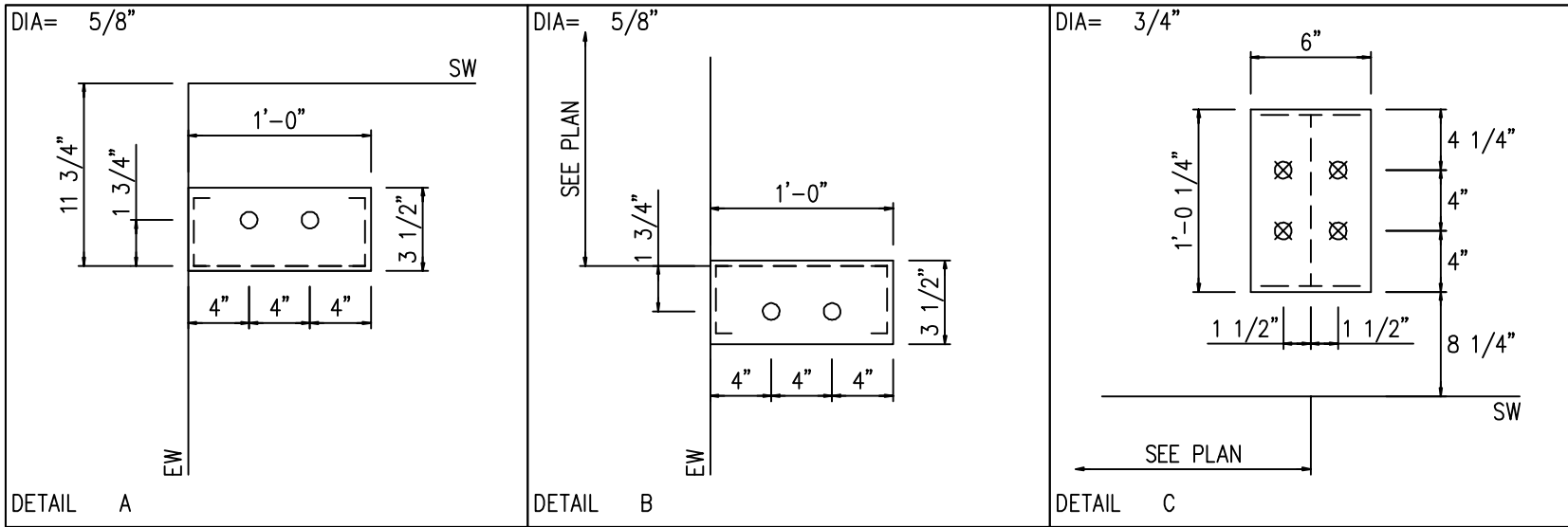
ISSUE	APPROVAL	PERMIT	ERECTION



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:	3 OF 15
JOB NUMBER:	93755
SHEET TITLE:	ANCHOR BOLT PLAN

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.



ISSUE	DATE		DWG.		CHK.		ENG.	
	APPROVAL	PERMIT	MEZ	AA	MEZ	CAF	RTS	RTS



CUSTOMER NAME:
PROJECT NAME:
PROJECT LOCATION:
PROJECT COUNTY:
PROJECT END USE:
CUSTOMER PHONE NUMBER:
CUSTOMER EMAIL:
SCALE: N.T.S.

SHEET NUMBER: 4 OF 15
JOB NUMBER: 93755

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.

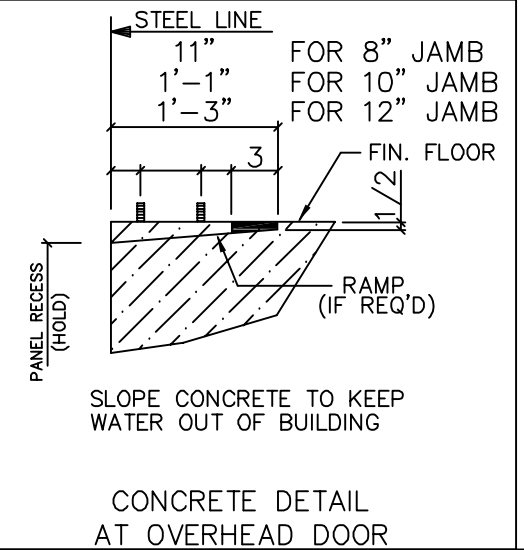
ANCHOR BOLT DIAMETERS HAVE BEEN DESIGNED BY THE METAL BUILDING ENGINEER BASED ON AISC METHOD WITH COMBINED SHEAR AND TENSION.

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.

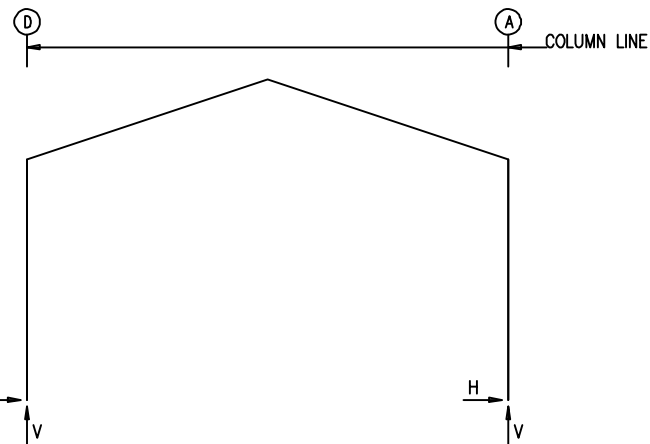
NOTE: ANCHOR BOLT PROJECTION IS FROM BOTTOM OF BASE PLATE.

Anchor Bolt Diameter	Projection
1/2"	1 1/2"
5/8"	2"
3/4"	2 1/2"
7/8"	3 1/2"
1"	3 1/2"
1 1/8"	3 1/2"
1 1/4"	3 1/2"

CONCRETE NOTCH AND ANCHOR BOLT PROJECTION



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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*	D	0.3	1.5	0.1	0.4	1.9	8.0	0.5	2.0	-5.7	-10.9	3.5	-5.2
2*	A	-0.3	1.5	-0.1	0.4	-1.9	8.0	-0.5	2.0	-3.5	-10.9	5.7	-5.2

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*	D	-6.8	-7.0	2.3	-1.4	2.4	-7.8	1.3	-7.4	-0.1	-0.1	0.1	0.1
2*	A	-2.3	-1.4	6.8	-7.0	-1.3	-7.4	-2.4	-7.8	-0.1	0.1	0.1	-0.1

FRAME Line	Column Line	F1UNB_SL_L Horiz	F1UNB_SL_L Vert	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
2*	D	0.4	1.9	0.4	1.2
2*	A	-0.4	1.2	-0.4	1.9

2* FRAME lines: 2 3 4

ENG. CHK.	RTS	MEZ	CAF	PKD
DATE	MEZ	AA	PKD	PKD
08/01/21				
ISSUE	APPROVAL	PERMIT	ERECTION	

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PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	5 OF 15
JOB NUMBER:	93755
SHEET TITLE:	ANCHOR BOLT REACTIONS

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 Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert
1	D	0.2	0.1	1.1	0.3	-1.3	-1.0	-0.4	0.0	-1.6	1.9	-2.2	-1.8
1	C	0.5	0.2	3.0	0.8	-4.5	-3.3	-3.6	-2.3	-3.8	4.2	-3.7	-1.9
1	B	0.5	0.2	3.0	0.8	-3.3	-4.5	-2.3	-3.6	-3.8	4.2	-1.9	-3.7
1	A	0.2	0.1	1.1	0.3	-1.0	-1.3	0.0	-0.4	-1.6	1.9	-1.8	-2.2

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	E1UNB_SL_L Horz	E1UNB_SL_L Vert	E1UNB_SL_R Horz	E1UNB_SL_R Vert
1	D	0.0	0.0	0.0	0.2	0.0	0.1
1	C	0.0	0.0	0.0	0.9	0.0	0.4
1	B	0.0	0.0	0.0	0.4	0.0	0.9
1	A	0.0	0.0	0.0	0.1	0.0	0.2

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

Frm Line	Col Line	Load Id	Column_Reactions(k)				Hmin	Vmin	Bolt(in) QTY	DIA	Base_Plate(in)			Grout (in)
			Hmax H	V Vmax	Load Id	Hmin H					Width	Length	Thick	
2*	D	3	3.4	5.6	6	-3.9	-3.3	4	0.750	6.000	12.25	0.375	0.0	
		1	2.3	9.9	4	-3.2	-5.6							
2*	A	7	3.9	-3.3	2	-3.4	5.6	4	0.750	6.000	12.25	0.375	0.0	
		1	-2.3	9.9	5	3.2	-5.6							
2*	FRAME lines: 2 3 4													

NOTES FOR REACTIONS

Building reactions are based on the following building data:

- Width (ft) = 40.00
- Length (ft) = 80.00
- Eave Height (ft) = 20.00/20.00
- Roof Slope (rise/12) = 4.0:12/4.0:12
- Dead Load (psf) = 2.00
- Collateral Load (psf) = 1.00
- Live Load (psf) = 20.00
- Snow Load (psf) = 5.00
- Ultimate Wind Speed (mph) = 115.00
- Wind Code = IBC-18
- Exposure = C
- Closed/Open = Closed
- Importance Wind = 1.00
- Importance Seismic = 1.00
- Seismic Zone = B
- Seismic Coeff (Fa*Ss) = 0.12

ID	Description
1	Dead+Collateral+Live
2	Dead+Collateral+0.75Live+0.45Wind_Left1
3	Dead+Collateral+0.75Live+0.45Wind_Right1
4	0.6Dead+0.6Wind_Left1
5	0.6Dead+0.6Wind_Right1
6	0.6Dead+0.6Wind_Left2
7	0.6Dead+0.6Wind_Right2
8	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
9	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
10	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
11	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
12	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
13	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L

ANCHOR BOLT SUMMARY

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

BUILDING BRACING REACTIONS

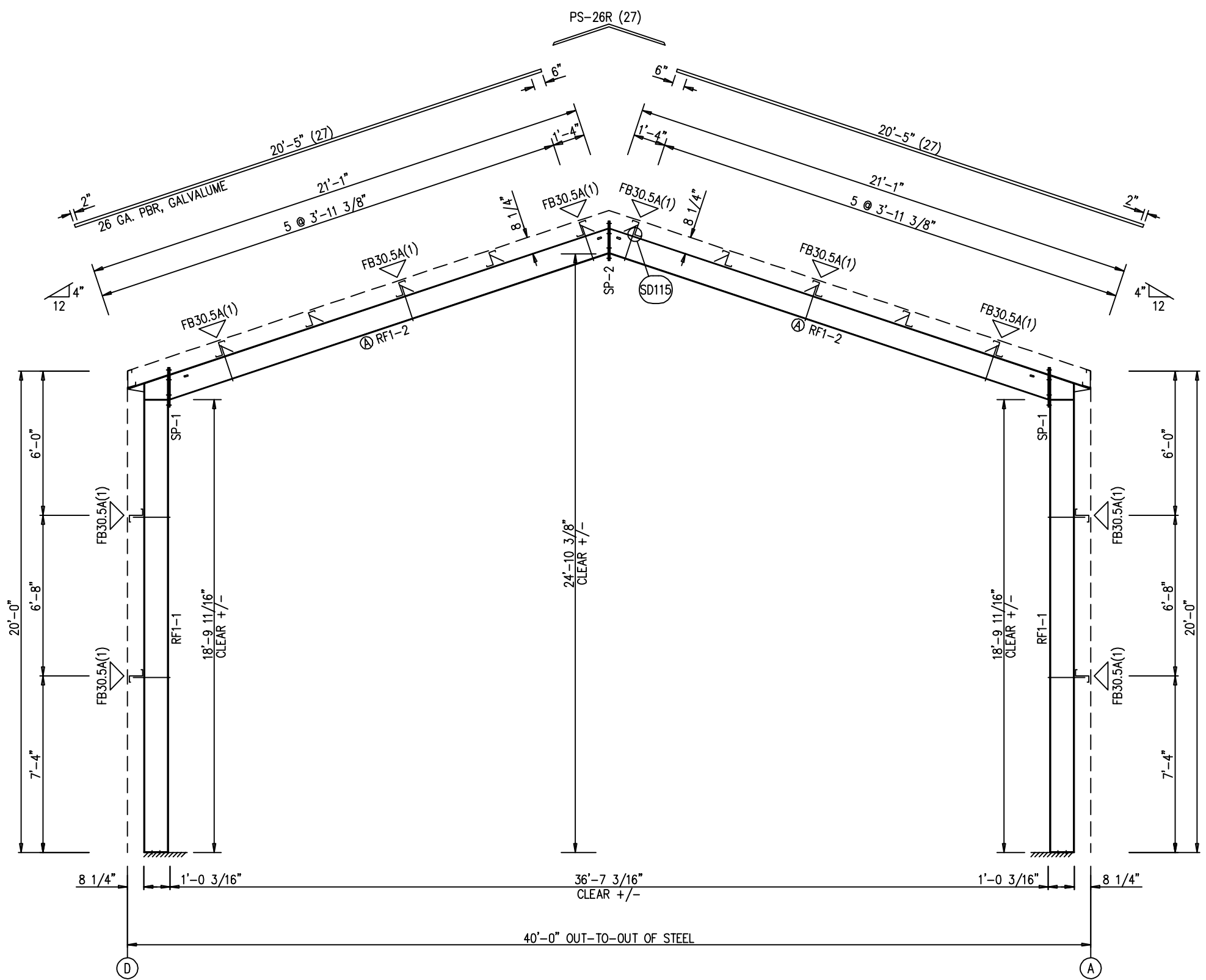
Wall Loc	Col Line	± Reactions(k)				Panel_Shear (lb/ft)	
		Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis
L_EW	1					74	7
F_SW	A					58	4
R_EW	5					69	7
B_SW	D					58	4

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

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF1-1	W12X19	19'-6 1/16"
RF1-2	W12X16	19'-3 3/16"

ALTERNATE MEMBER		
Frame Line	OID	Mark
3, 4	A	RF1-3

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



RIGID FRAME ELEVATION: FRAME LINES 2 3 4

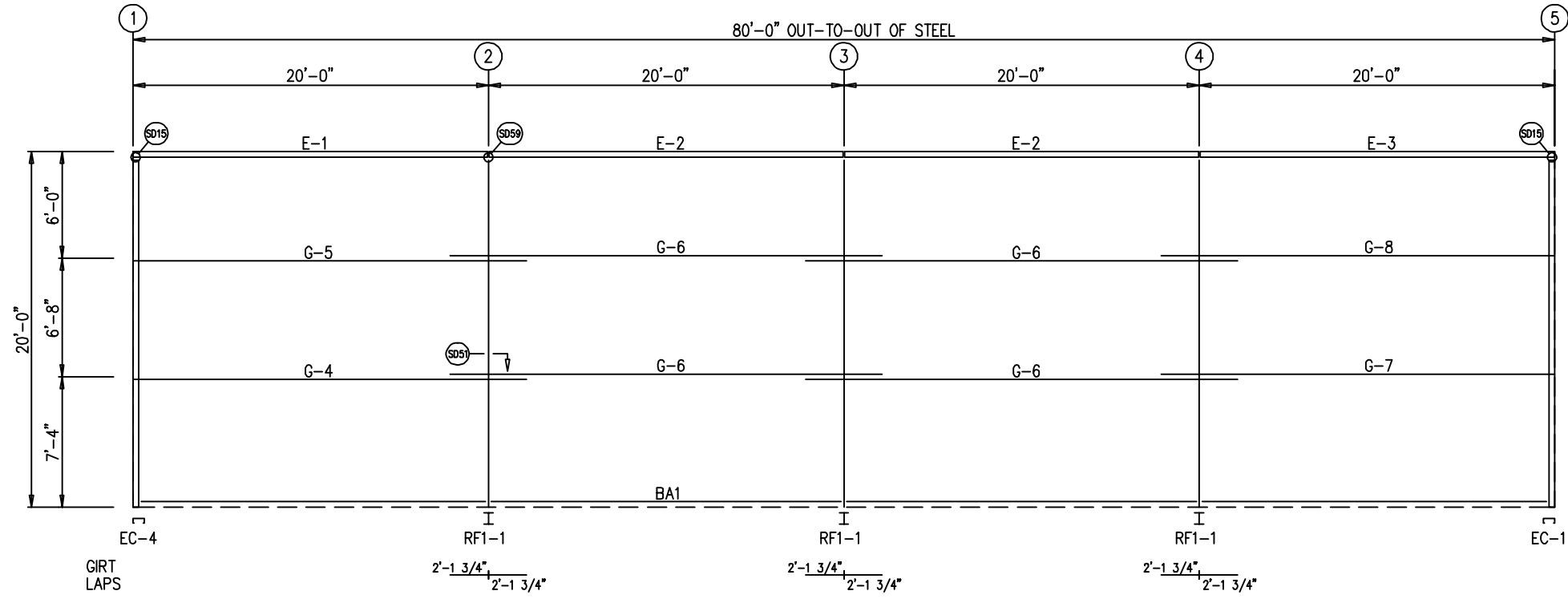
DATE	DWN.	CHK.	ENG.	MEMBER SIZE TABLE			
				MARK	MEMBER	LENGTH	
08/07/21	MEZ	MEZ	RTS	RF1-1	W12X19	19'-6 1/16"	
08/07/21	AA	CAF	RTS	RF1-2	W12X16	19'-3 3/16"	
08/16/21	PKD	PKD	RTS				



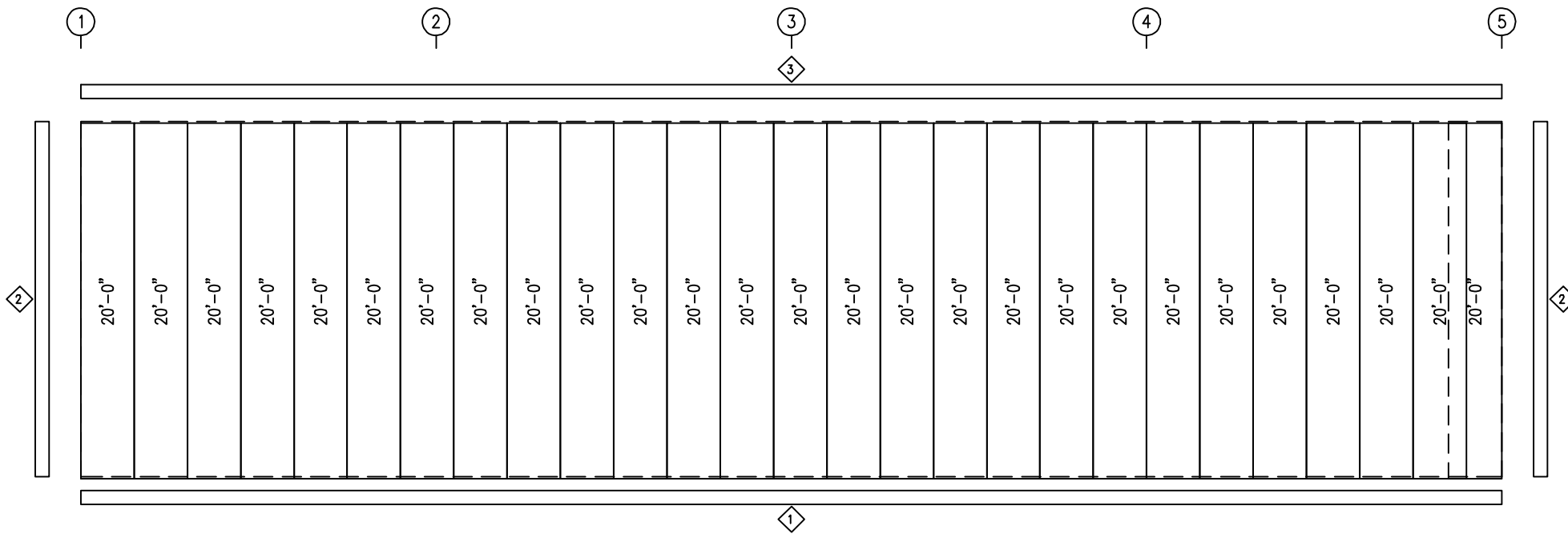
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PROJECT NAME:	
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PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	6 OF 15
JOB NUMBER:	93755
SHEET TITLE:	RIGID FRAME ELEVATION

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SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A
 PANELS: 26 GA. PBR - KOKO BROWN

TRIM TABLE
 FRAME LINE A

◇ID	QUAN	PART	LENGTH	DETAIL
1	8	FL-60	10'-2"	TD74
2	2	FL-10	20'-0"	TD40
3	7	FL-214	11'-8"	TD17

MEMBER TABLE
 FRAME LINE A

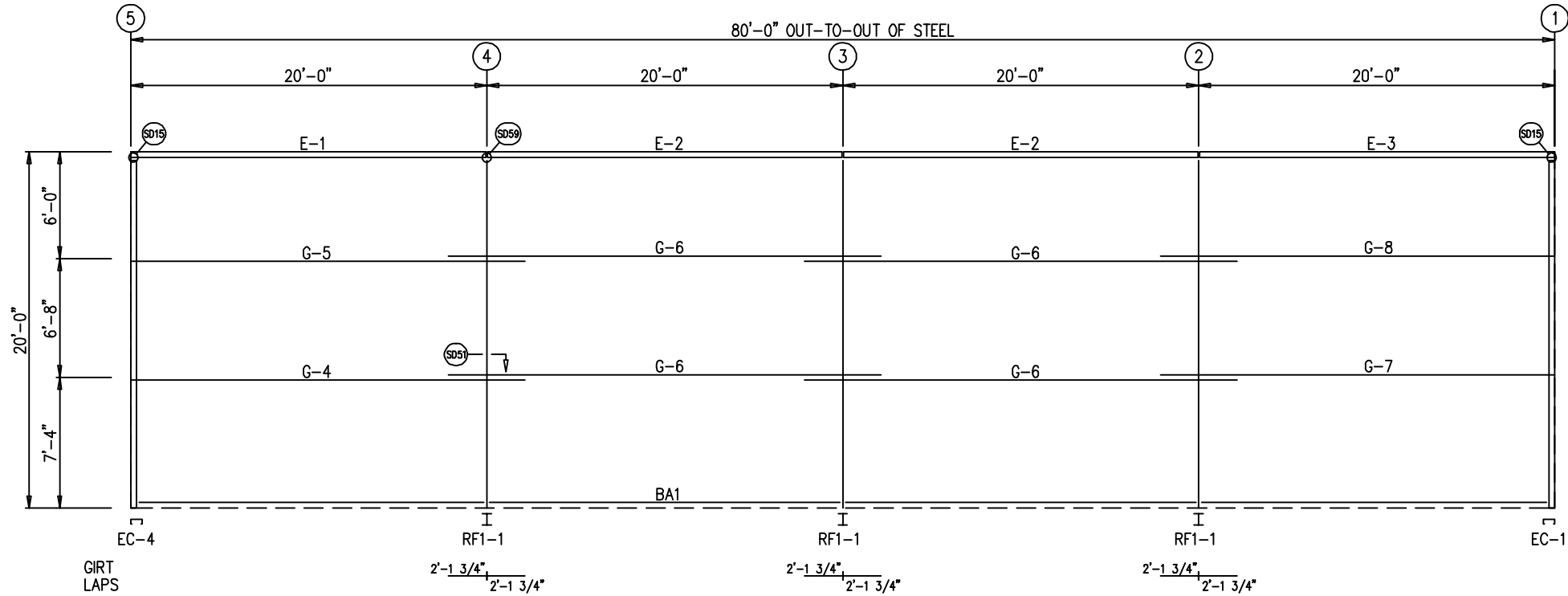
QUAN	MARK	PART	LENGTH
1	E-1	L08E16-4	19'-11 1/2"
2	E-2	L08E16-4	19'-11 1/2"
1	E-3	L08E16-4	19'-11 1/2"
1	G-4	8X25Z14	22'-1 1/2"
1	G-5	8X25Z16	22'-1 1/2"
4	G-6	8X25Z16	24'-3 1/2"
1	G-7	8X25Z14	22'-1 1/2"
1	G-8	8X25Z16	22'-1 1/2"

DATE	DWN.	CHK.	ENG.	RTS			
				MEZ	CAF	PKD	RTS
08/07/21							
03/07/21							
09/16/21							

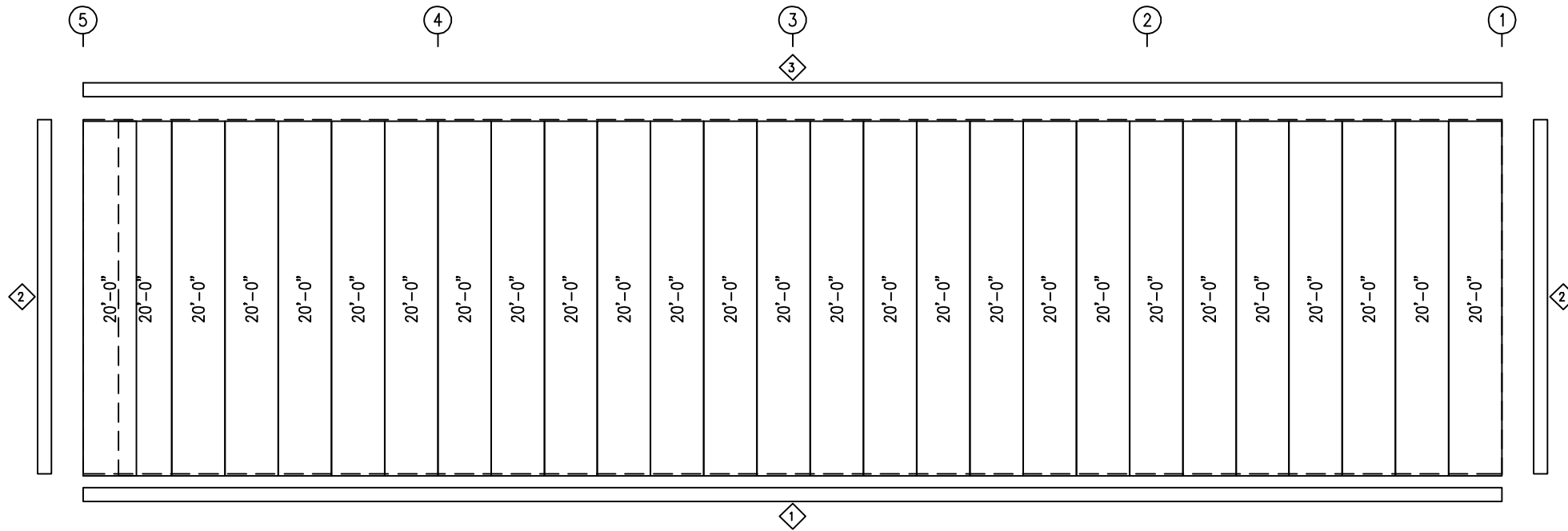
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PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	7 OF 15
JOB NUMBER:	93755
SHEET TITLE:	SIDEWALL FRAMING & SHEETING

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SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D
 PANELS: 26 GA. PBR - KOKO BROWN

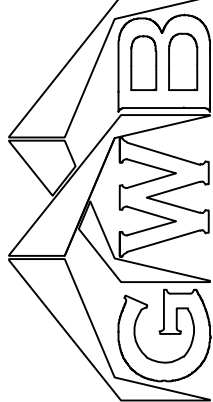
TRIM TABLE
 FRAME LINE D

ID	QUAN	PART	LENGTH	DETAIL
1	8	FL-60	10'-2"	TD74
2	2	FL-10	20'-0"	TD40
3	7	FL-214	11'-8"	TD17

MEMBER TABLE
 FRAME LINE D

QUAN	MARK	PART	LENGTH
1	E-1	L08E16-4	19'-11 1/2"
2	E-2	L08E16-4	19'-11 1/2"
1	E-3	L08E16-4	19'-11 1/2"
1	G-4	8X25Z14	22'-1 1/2"
1	G-5	8X25Z16	22'-1 1/2"
4	G-6	8X25Z16	24'-3 1/2"
1	G-7	8X25Z14	22'-1 1/2"
1	G-8	8X25Z16	22'-1 1/2"

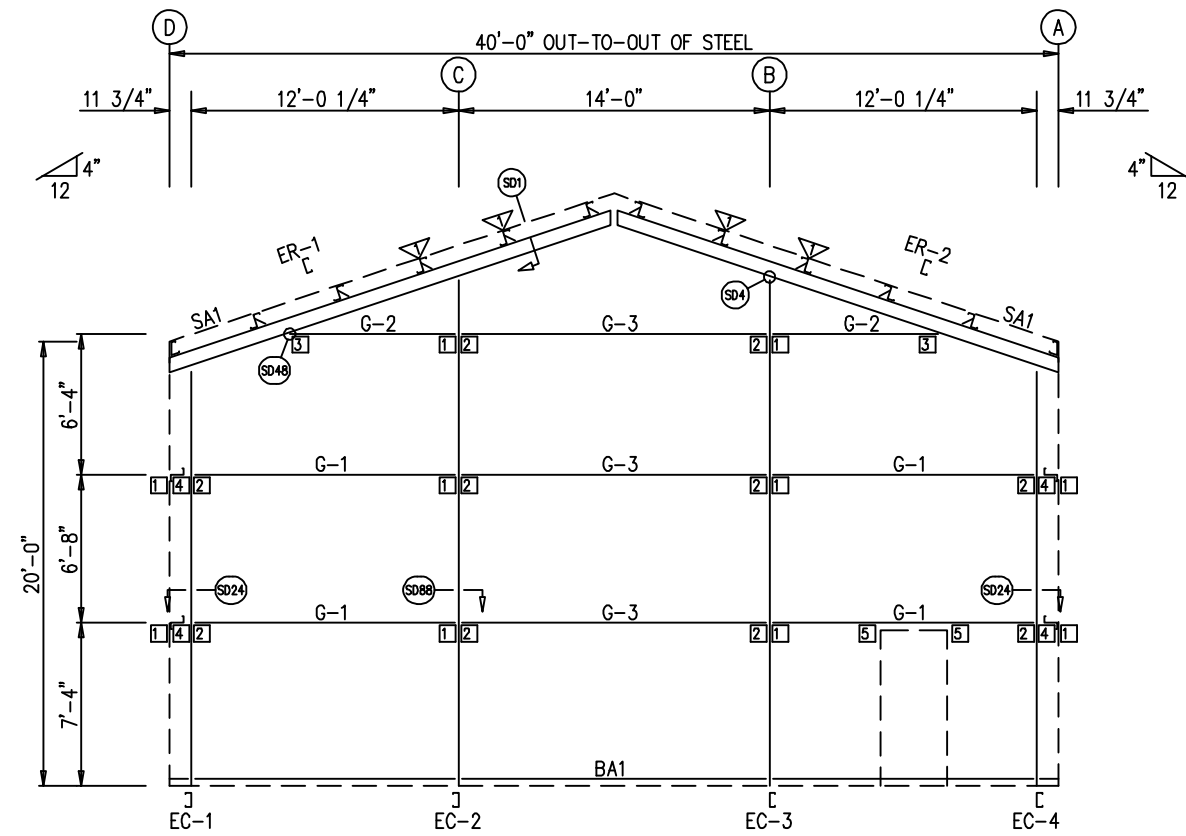
DATE	DWN.	CHK.	ENG.			
			RTS	MEZ	CAF	PKD
09/10/21						
03/07/22						
09/16/22						



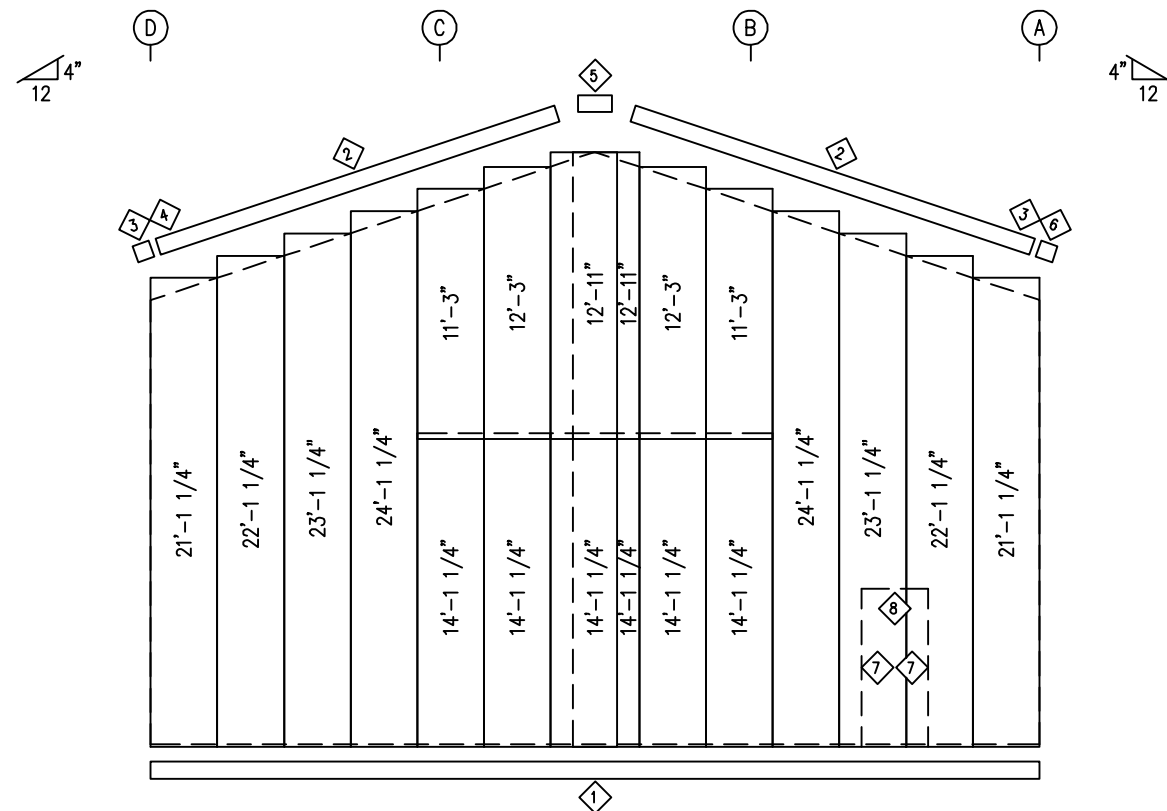
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SCALE:	N.T.S.
SHEET NUMBER:	8 OF 15
JOB NUMBER:	93755
SHEET TITLE:	SIDEWALL FRAMING & SHEETING

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ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 GA. PBR - KOKO BROWN

TRIM TABLE
FRAME LINE 1

ID	QUAN	PART	LENGTH	DETAIL
1	4	FL-60	10'-2"	TD74
2	4	FL-15	11'-2"	TD36
3	2	FL-601E	8 1/8"	TD85
4	1	FL-600L	5 5/8"	TD13
5	1	FL-17	1'-4"	
6	1	FL-600R	5 5/8"	TD13
7	2	FL-48	7'-2"	TD51
8	1	FL-52	3'-4"	TD52

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/8"	1 1/2"
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE 1

QUAN	MARK	PART	LENGTH
1	EC-1	12x25C16	18'-10 1/16"
1	EC-2	12X35C12	22'-10 1/8"
1	EC-3	12X35C12	22'-10 1/8"
1	EC-4	12x25C16	18'-10 1/16"
1	ER-1	8x25C14	21'-0 3/4"
1	ER-2	8x25C14	21'-0 3/4"
4	G-1	8X25Z16	11'-7 7/8"
2	G-2	8X25Z16	7'-1 1/4"
3	G-3	8X25Z16	13'-11 1/2"

CONNECTION PLATES
FRAME LINE 1

ID	QUAN	MARK
1	10	CL-103
2	10	CL-100
3	2	CL-109E
4	4	CL-5
5	2	CL-200

FLANGE BRACE TABLE
FRAME LINE 1

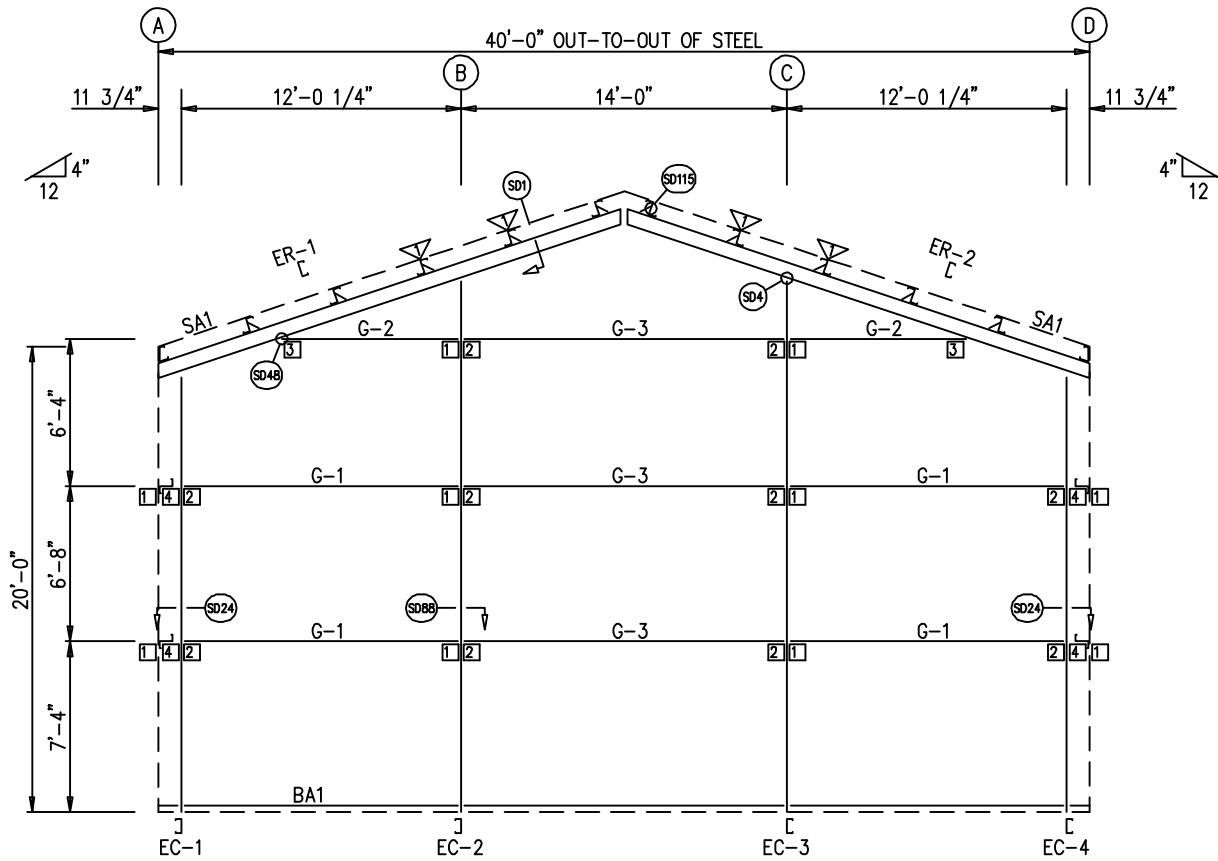
ID	QUAN	MARK
1	4	FB29.3

ENG.	RTS	RTS	RTS	RTS
CHK.	MEZ	CAF	PKD	
DWN.	MEZ	AA	PKD	
DATE	08/07/21	08/07/21	08/07/21	

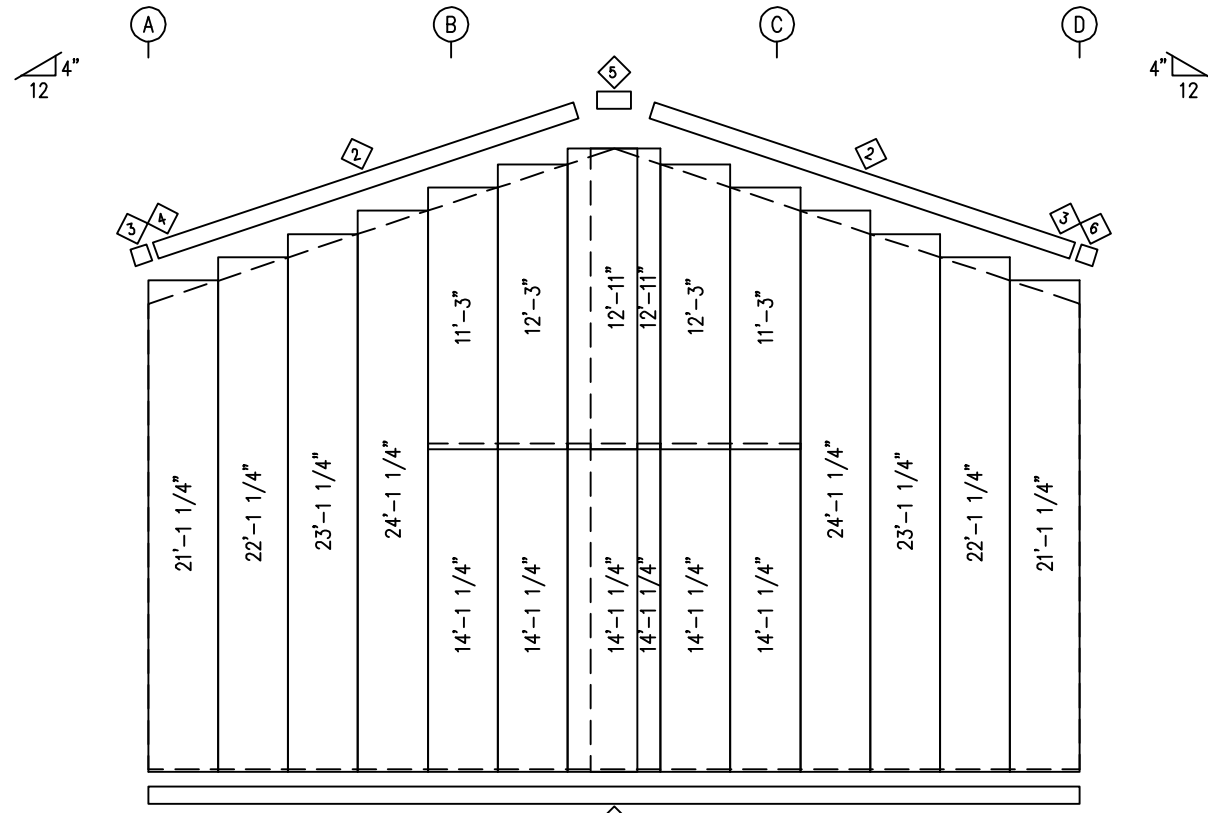
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SCALE:	N.T.S.
SHEET NUMBER:	9 OF 15
JOB NUMBER:	93755
SHEET TITLE:	ENDWALL FRAMING & SHEETING

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ENDWALL FRAMING: FRAME LINE 5



ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 GA. PBR - KOKO BROWN

TRIM TABLE
FRAME LINE 5

ID	QUAN	PART	LENGTH	DETAIL
1	4	FL-60	10'-2"	TD74
2	4	FL-15	11'-2"	TD36
3	2	FL-601E	8 1/8"	TD85
4	1	FL-600L	5 5/8"	TD13
5	1	FL-17	1'-4"	
6	1	FL-600R	5 5/8"	TD13

BOLT TABLE
FRAME LINE 5

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/8"	1 1/2"
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE 5

QUAN	MARK	PART	LENGTH
1	EC-1	12x25C16	18'-10 1/16"
1	EC-2	12x35C12	22'-10 1/8"
1	EC-3	12x35C12	22'-10 1/8"
1	EC-4	12x25C16	18'-10 1/16"
1	ER-1	8x25C14	21'-0 3/4"
1	ER-2	8x25C14	21'-0 3/4"
4	G-1	8x25Z16	11'-7 7/8"
2	G-2	8x25Z16	7'-1 1/4"
3	G-3	8x25Z16	13'-11 1/2"

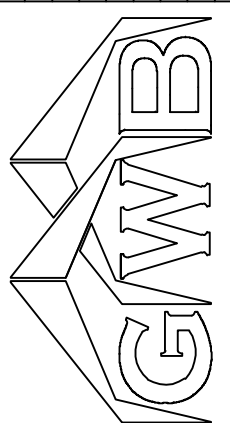
CONNECTION PLATES
FRAME LINE 5

ID	QUAN	MARK
1	10	CL-103
2	10	CL-100
3	2	CL-109E
4	4	CL-5

FLANGE BRACE TABLE
FRAME LINE 5

ID	QUAN	MARK
1	4	FB29.3

ENG.	RTS	CHK.	DATE	DWN.	MEZ	AA	CAF	PKD	RTS
			08/07/21						
			08/07/21						
			08/07/21						

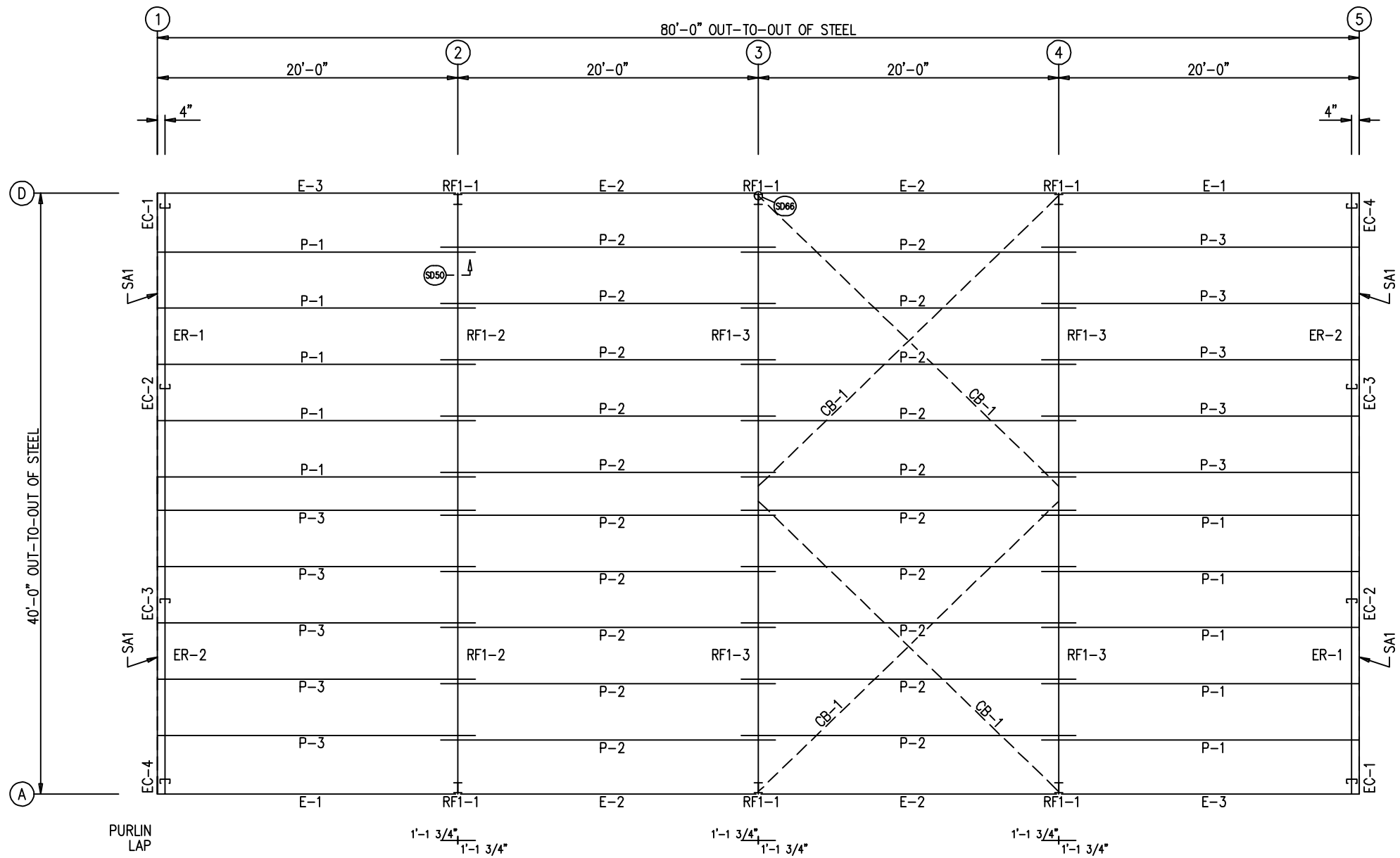


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CUSTOMER EMAIL: _____
SCALE: N.T.S.

SHEET NUMBER: 10 OF 15
JOB NUMBER: 93755
SHEET TITLE: ENDWALL FRAMING & SHEETING

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ROOF FRAMING PLAN

TRIM TABLE
ROOF PLAN

ID	QUAN	PART	LENGTH	DETAIL
1	27	PS-26R	3'-0"	TD8

MEMBER TABLE
ROOF PLAN

QUAN	MARK	PART	LENGTH
10	P-1	8X25Z16	21'-1 1/2"
20	P-2	8X25Z16	22'-3 1/2"
10	P-3	8X25Z16	21'-1 1/2"
2	E-1	L08E16-4	19'-11 1/2"
4	E-2	L08E16-4	19'-11 1/2"
2	E-3	L08E16-4	19'-11 1/2"
4	CB-1	CB0250	27'-5 3/4"

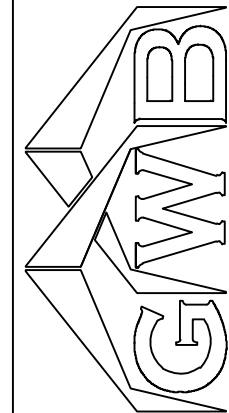
20'-5" (27)

(27)

20'-5" (27)

ROOF SHEETING

PANELS: 26 GA. PBR, GALVALUME



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CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.

11 OF 15

93755

ROOF FRAMING & SHEETING PLAN

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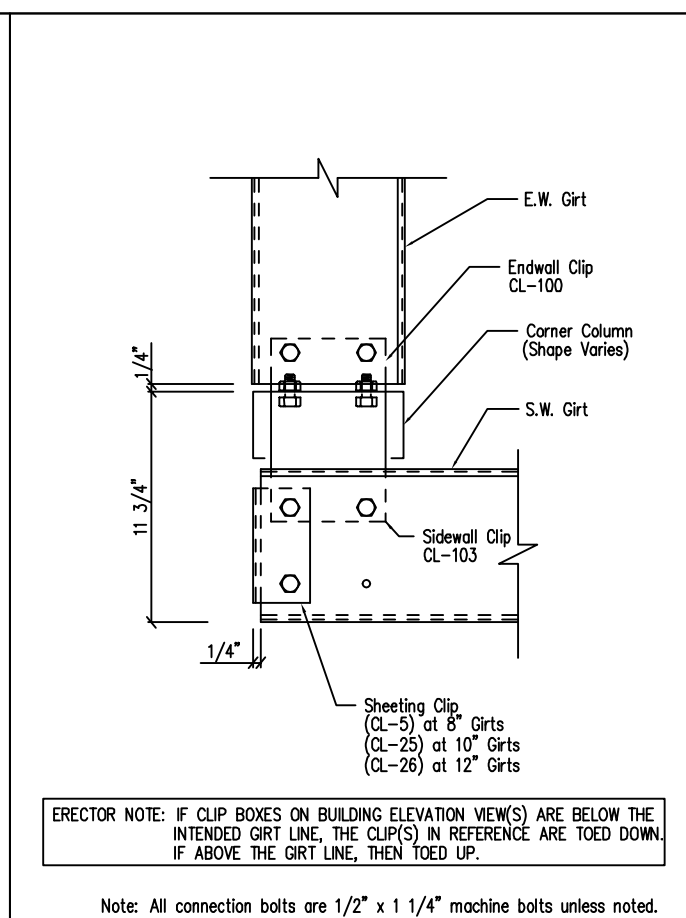
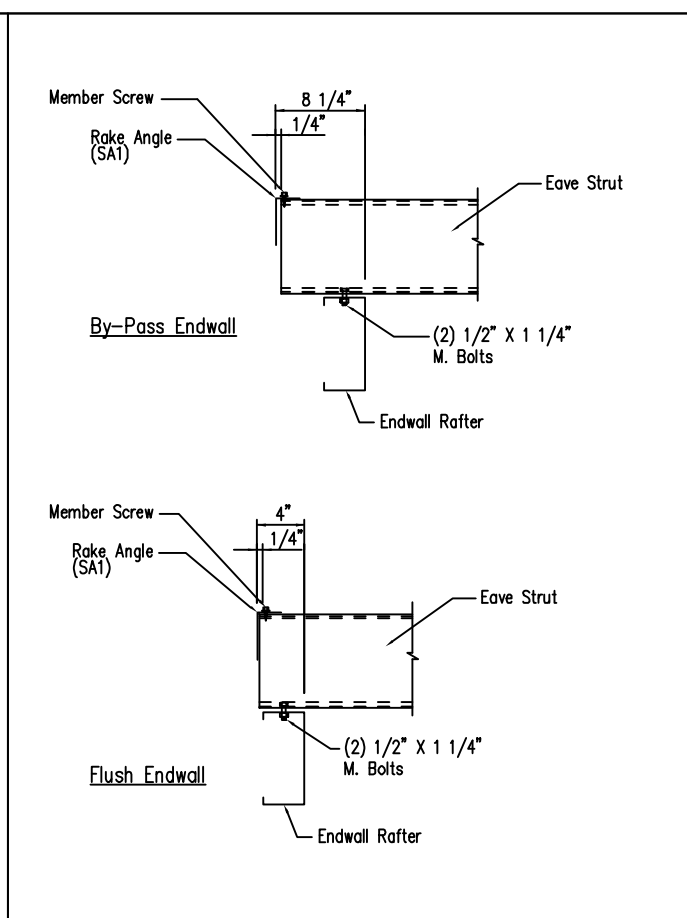
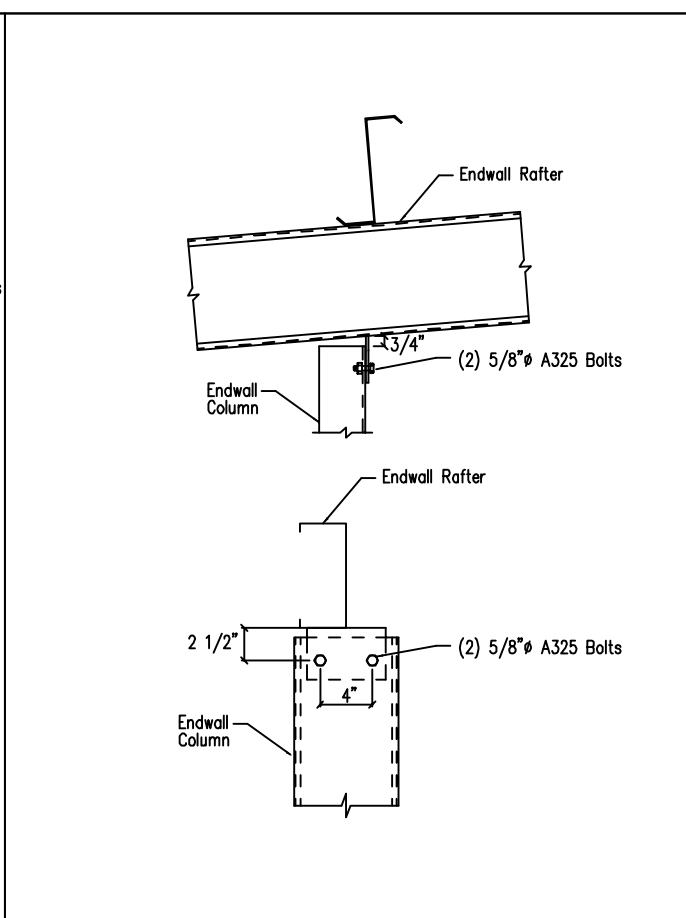
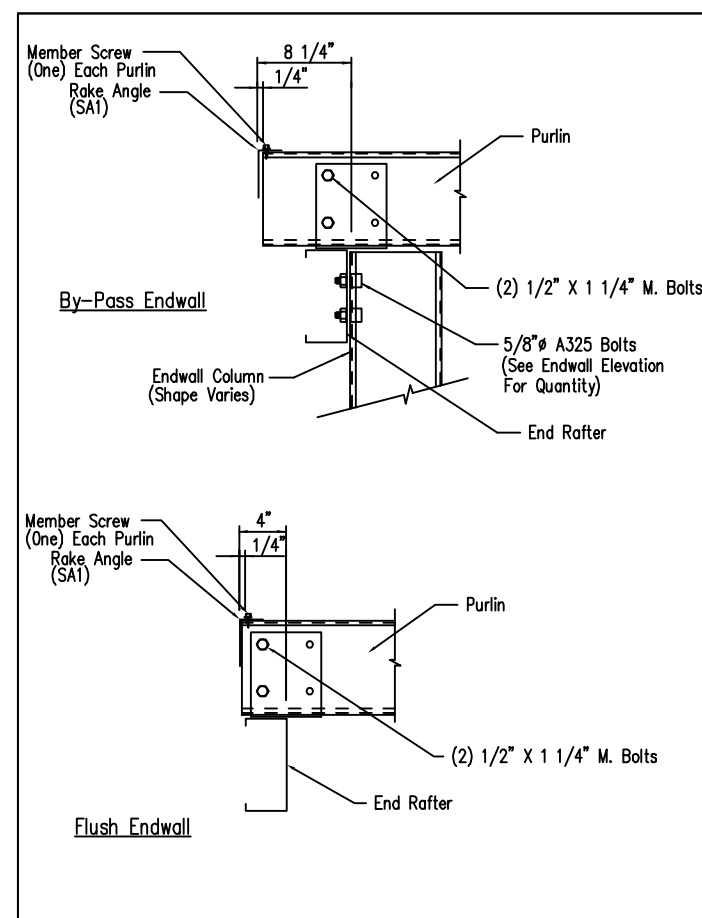
ENG.	CHK.	DATE	DWN.	MEZ	RTS	CAF	PKD	RTS	RTS	RTS	RTS	RTS	RTS
		08/01/21	MEZ	MEZ	AA	CAF	PKD	RTS	RTS	RTS	RTS	RTS	RTS
ISSUE		APPROVAL		PERMIT		ERECTION							

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PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
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SCALE:	N.T.S.
SHEET NUMBER:	12 OF 15
JOB NUMBER:	93755
SHEET TITLE:	DETAIL DRAWINGS

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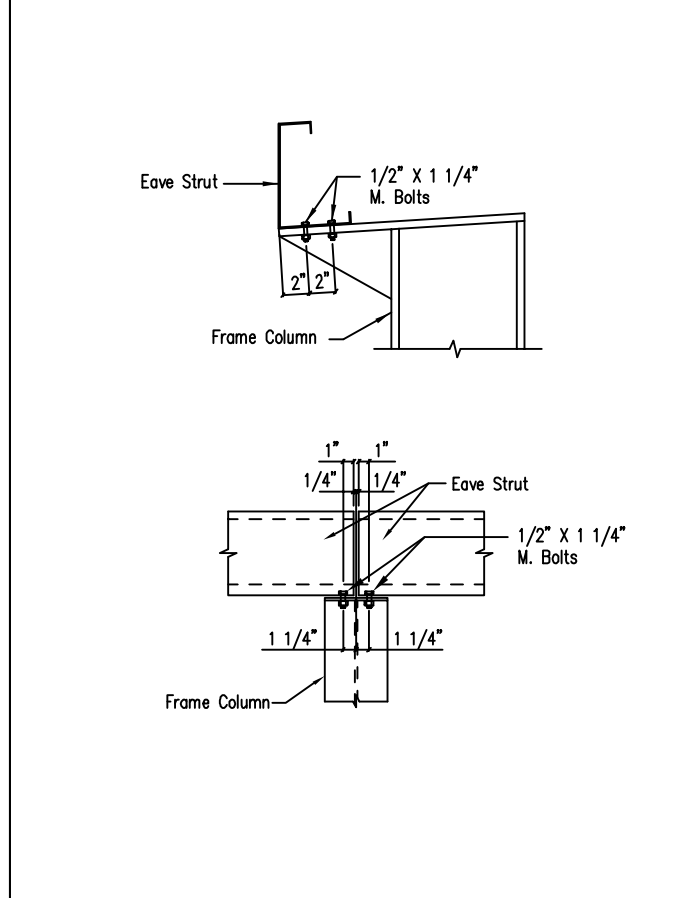
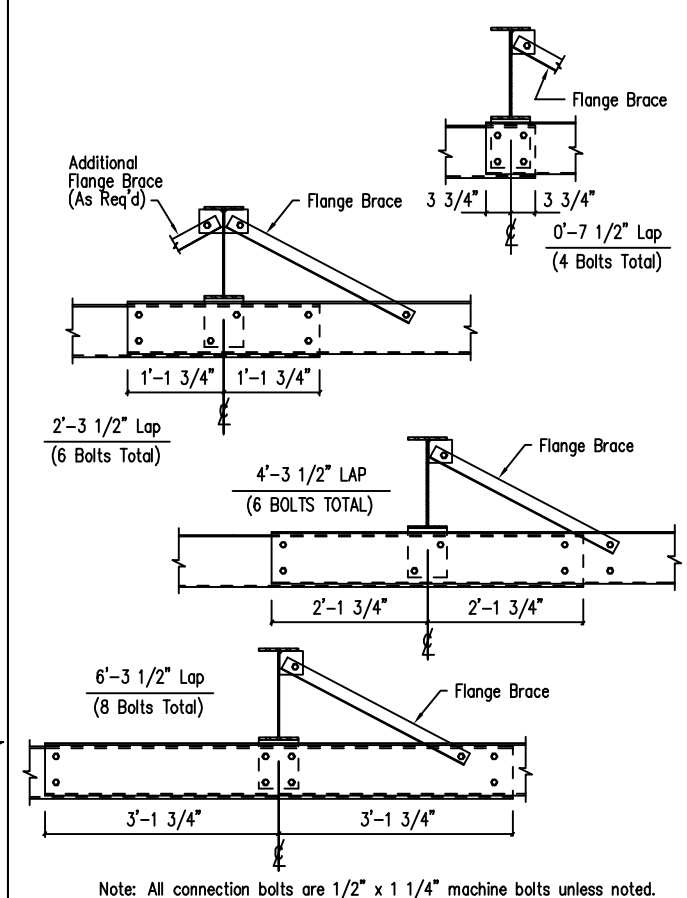
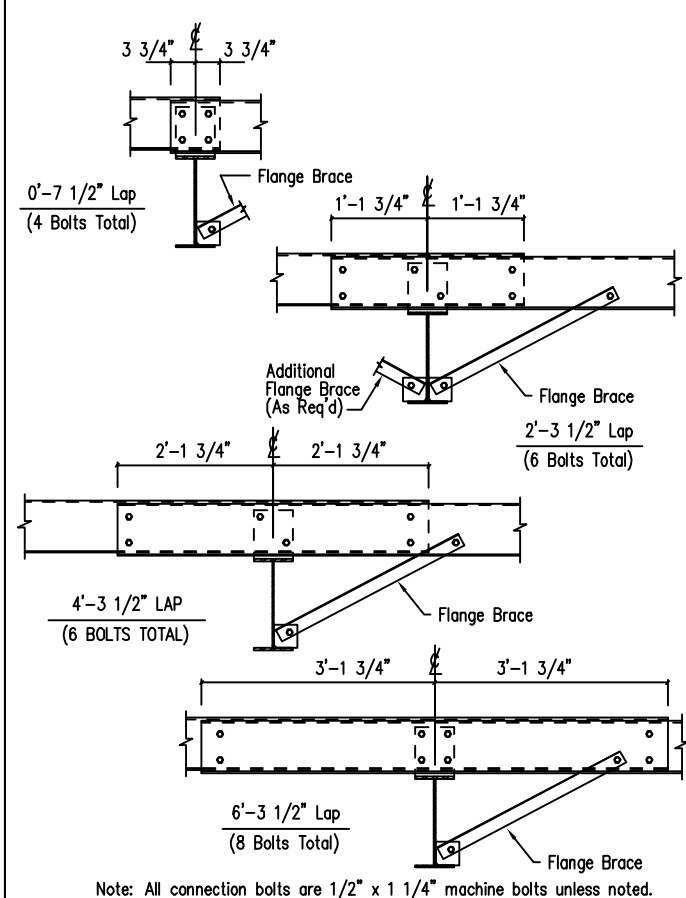
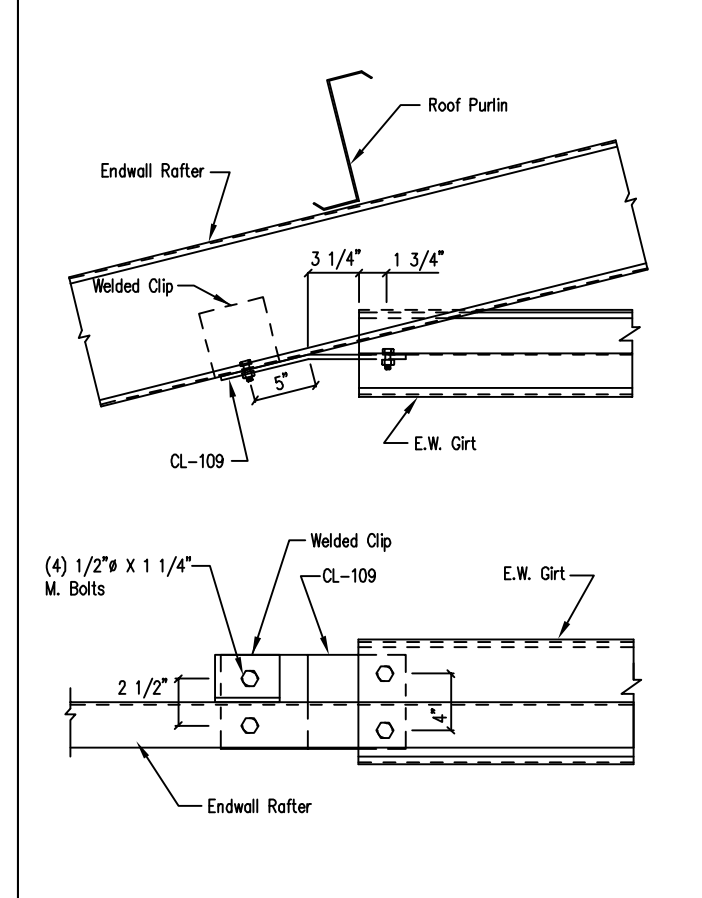


Section Thru Rake at Cold-Form Rafter DRAWING NO. SD1

Cold Form Column to Cold Form Rafter DRAWING NO. SD4

Eave Strut to Cold Form Rafter Connection DRAWING NO. SD15

Section at "C" Corner Column Flush Endwall DRAWING NO. SD24

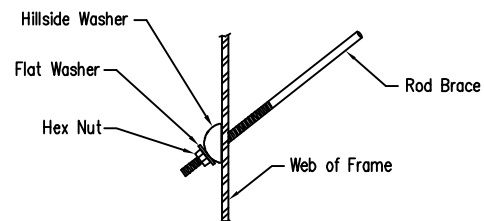


Endwall Girt to Cold Form Rafter DRAWING NO. SD48

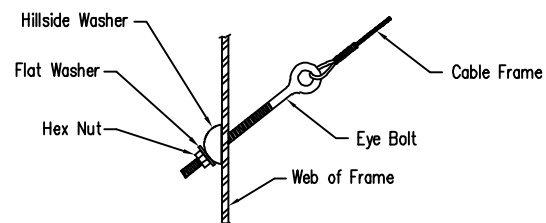
Interior Bay Purlin Framing DRAWING NO. SD50

Interior Bay Girt Framing DRAWING NO. SD51

Eave Strut at Interior Column By-Pass Sidewall DRAWING NO. SD59

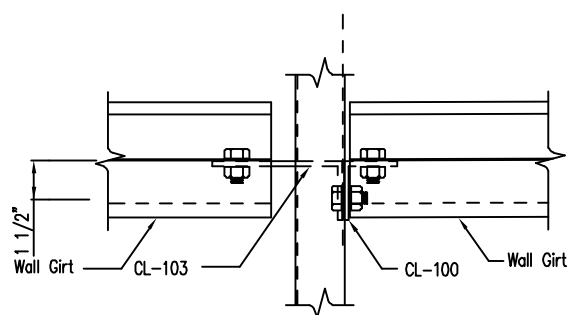
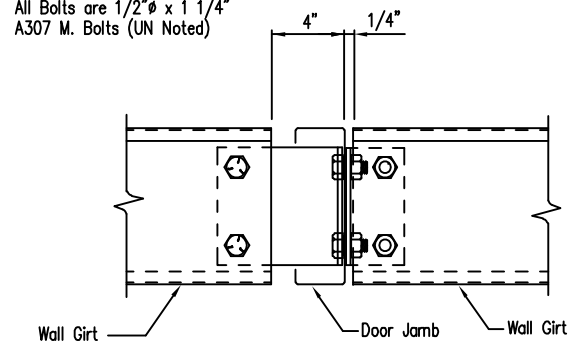


Rod Brace to Frame Detail

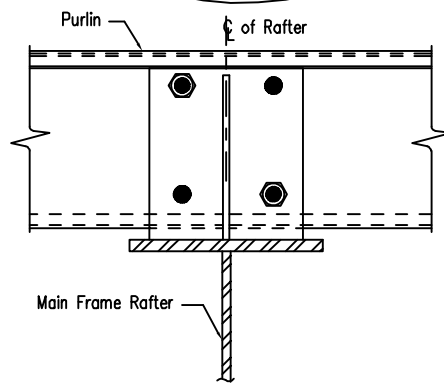
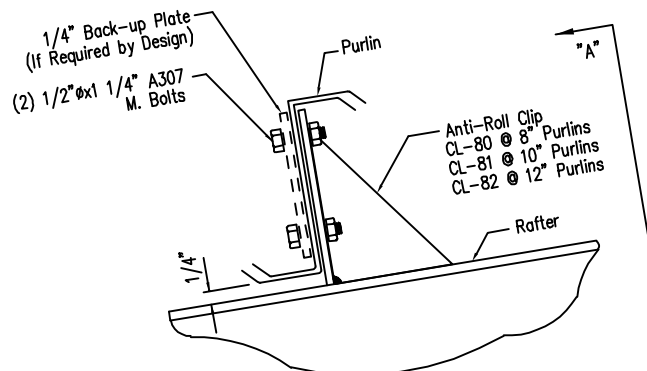


Cable Brace to Frame Detail

NOTE:
All Bolts are 1/2"φ x 1 1/4"
A307 M. Bolts (UN Noted)



ERECTOR NOTE: IF CLIP BOXES ON BUILDING ELEVATION VIEW(S) ARE BELOW THE INTENDED GIRT LINE, THE CLIP(S) IN REFERENCE ARE TOED DOWN. IF ABOVE THE GIRT LINE, THEN TOED UP. THE DRAWINGS ABOVE ARE TOED DOWN FOR REFERENCE.



Section "A"

Cable or Rod Brace to Frame Connection

DRAWING NO.
SD66

Girt/Header to Jamb

DRAWING NO.
SD88

Purlin to Anti-Roll Clip Connection

DRAWING NO.
SD115

Created On: 3/29/11

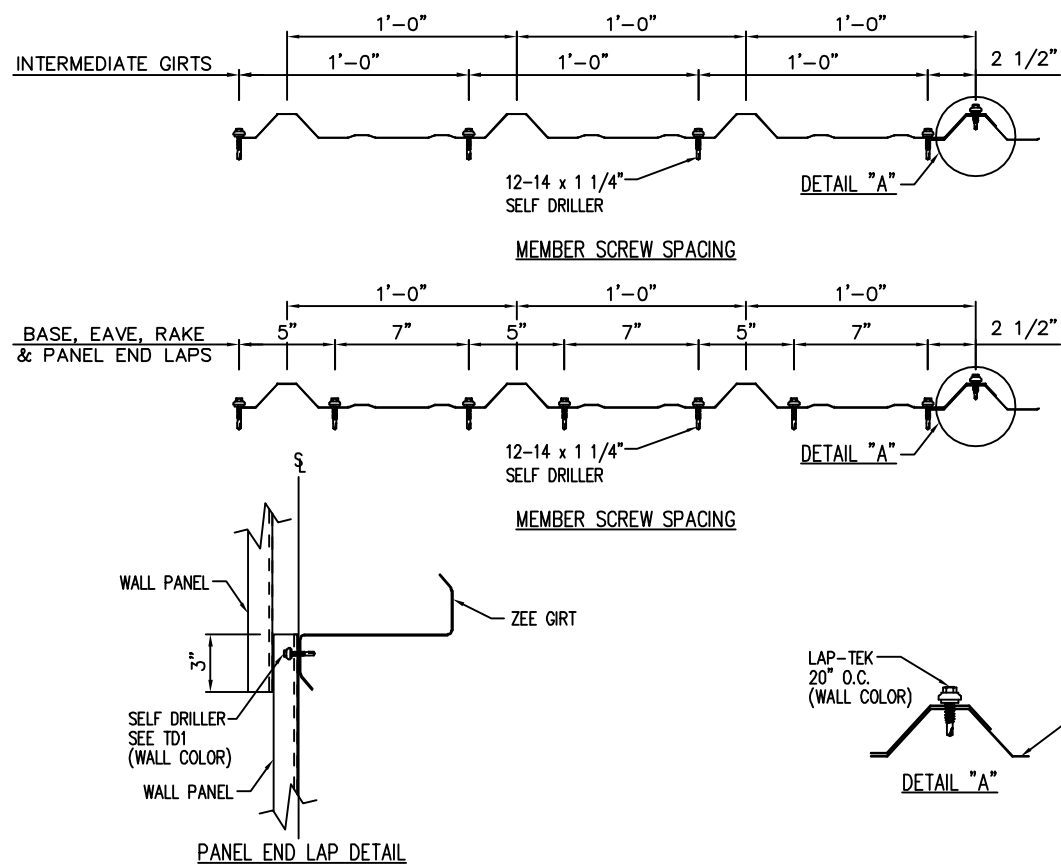
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APPROVAL	08/07/21	MEZ	MEZ	RTS
PERMIT	03/07/22	AA	CAF	RTS
ERECTION	08/16/22	PKD	PKD	RTS



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PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	13 OF 15
JOB NUMBER:	93755
SHEET TITLE:	DETAIL DRAWINGS

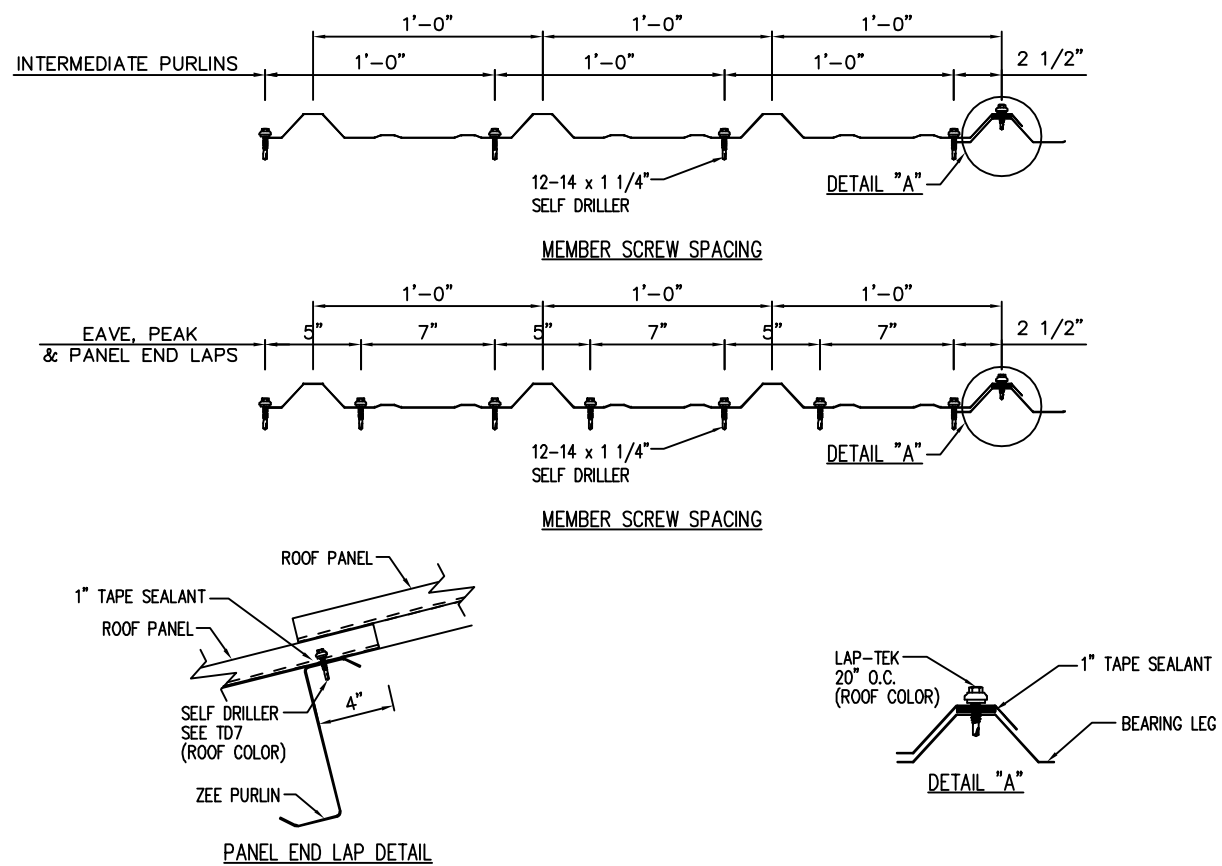
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Fastener Location at Wall - PBR

DRAWING NO.

TD1



Fastener Location at Roof - PBR

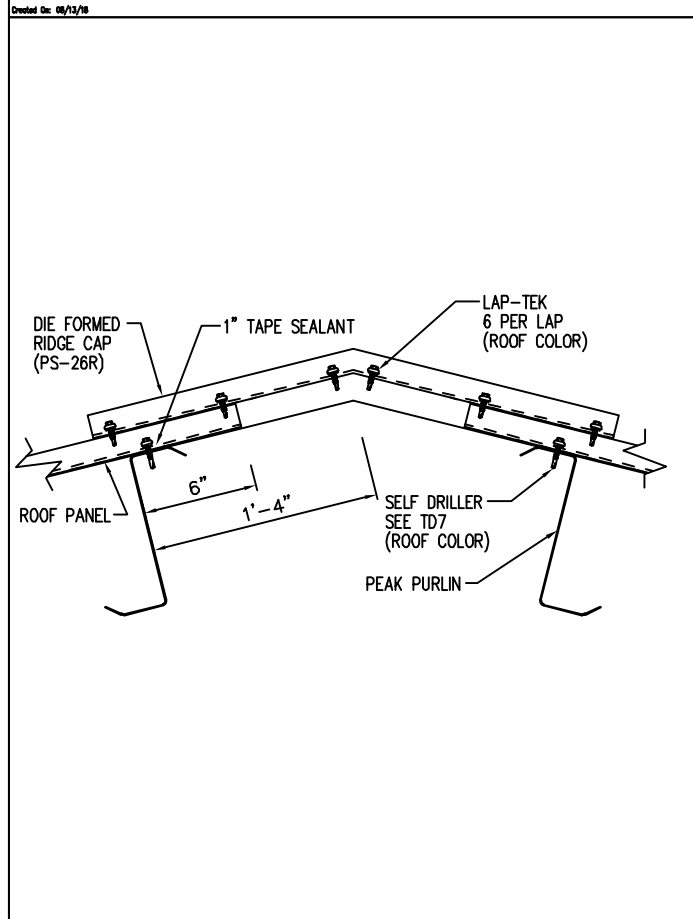
DRAWING NO.

TD7

ENG.	CHK.	DWN.	DATE	ISSUE
RTS	MEZ	MEZ	08/07/16	APPROVAL
RTS	CAF	AA	03/07/12	PERMIT
RTS	PKD	PKD	09/16/12	ERECTION

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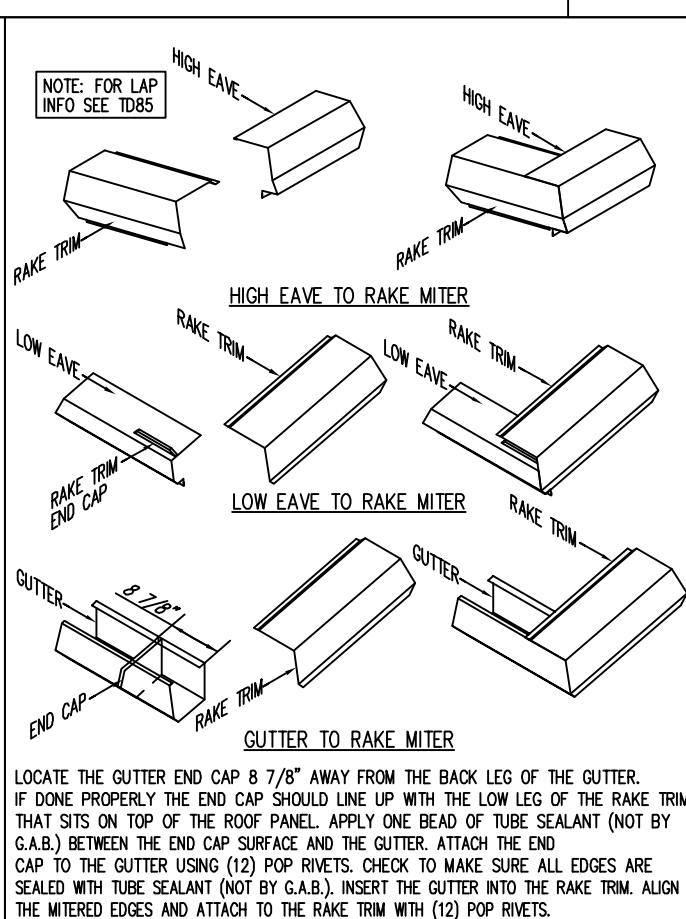
CUSTOMER NAME:	PROJECT NAME:	PROJECT LOCATION:	PROJECT COUNTY:	CUSTOMER PHONE NUMBER:	CUSTOMER EMAIL:	SCALE:	N.T.S.
SHEET NUMBER:	14 OF 15	JOB NUMBER:	93755	SHEET TITLE:	DETAIL DRAWINGS		



Die Formed Ridge Detail - PBR
Up to a 4:12 Roof Slope

DRAWING NO.

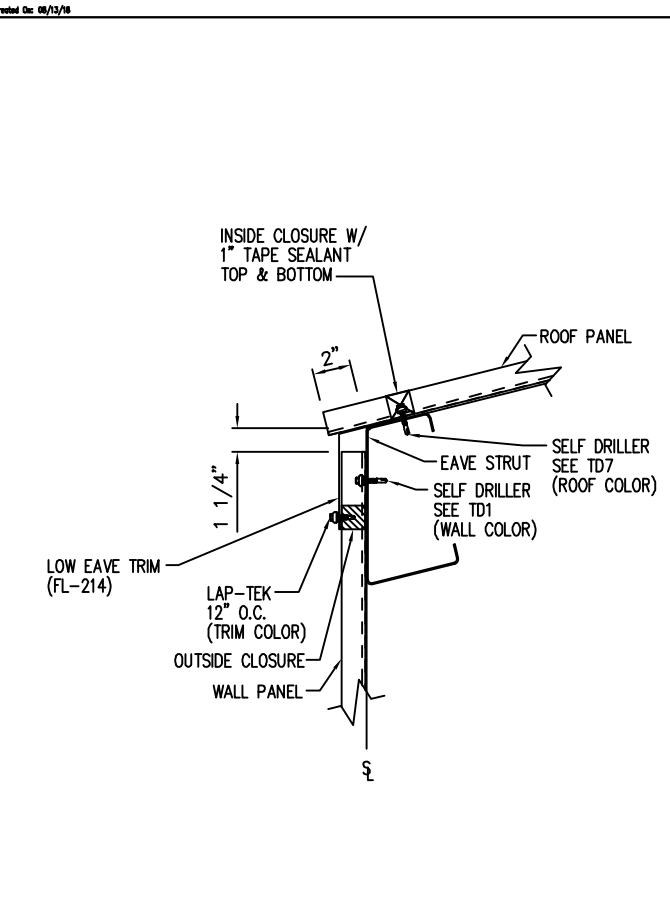
TD8



Sculptured Trim Detail - PBR

DRAWING NO.

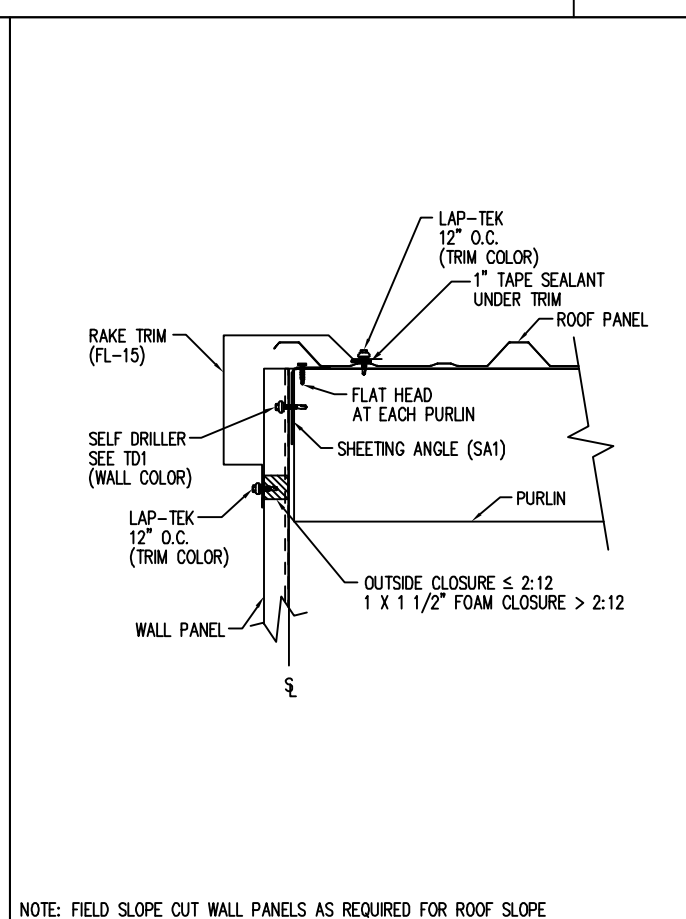
TD13



Low Eave Detail - PBR
Simple Eave - Sheeted Wall

DRAWING NO.

TD17



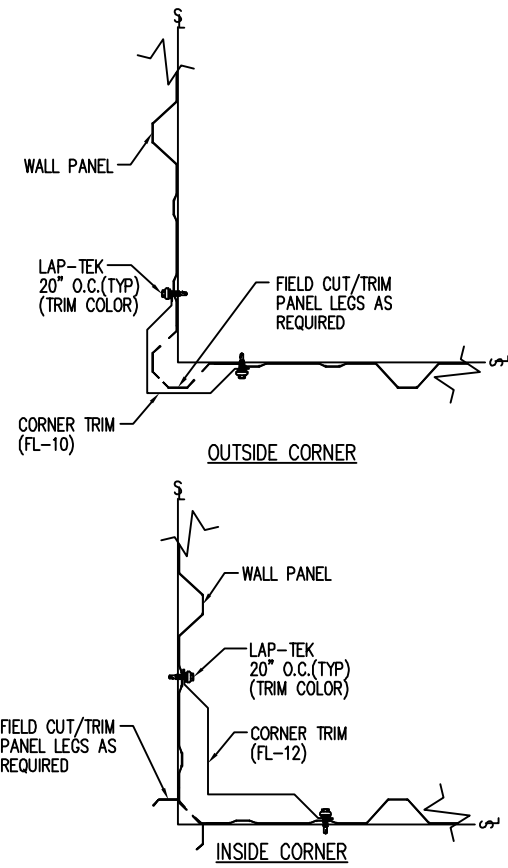
Rake Detail - PBR
Box Rake - Sheeted Wall

DRAWING NO.

TD36

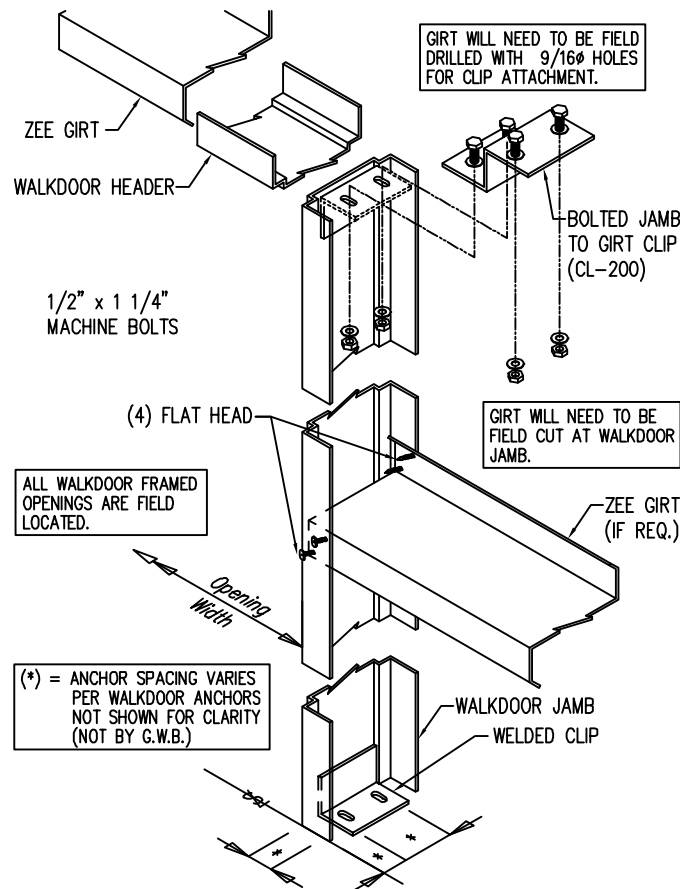
NOTE: FIELD SLOPE CUT WALL PANELS AS REQUIRED FOR ROOF SLOPE

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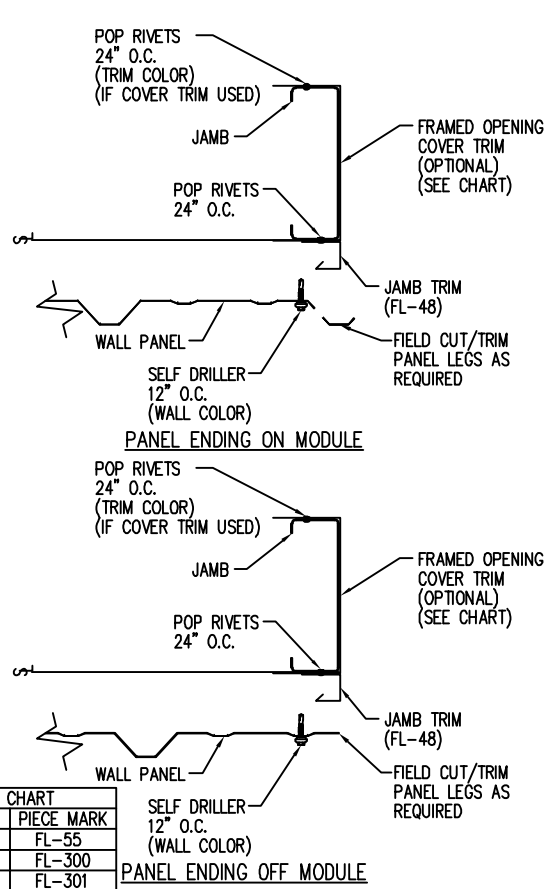
Section at Corner Detail - PBR

DRAWING NO. TD40



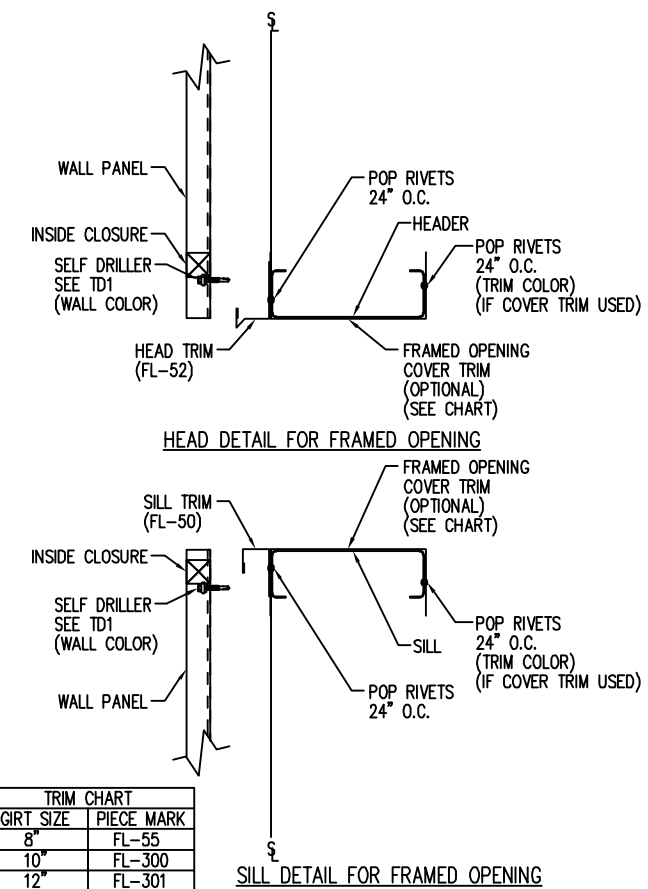
Personnel Doors

DRAWING NO. TD50



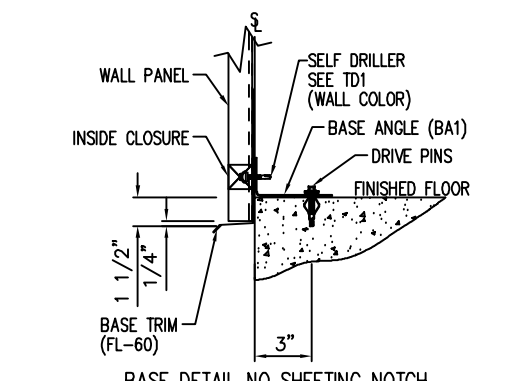
Framed Opening Jamb Detail - PBR

DRAWING NO. TD51



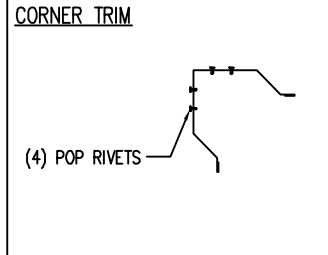
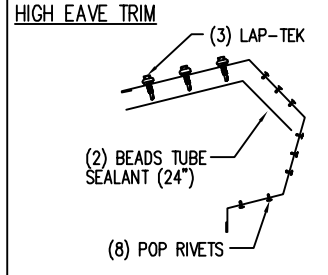
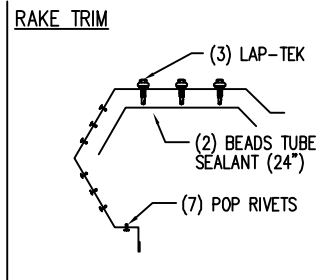
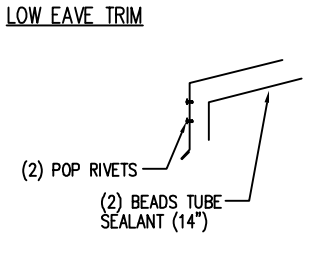
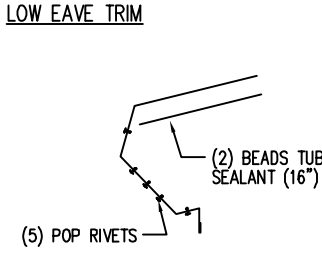
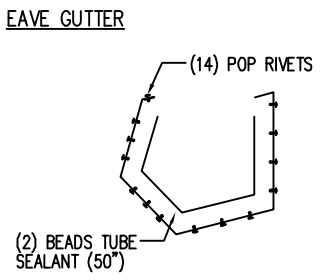
Framed Opening Head and Sill Details - PBR

DRAWING NO. TD52



Base Angle w/Trim Details

DRAWING NO. TD74



Trim Laps - PBR Sculptured

DRAWING NO. TD85

ENG.	CHK.	DWN.	DATE	ISSUE	APPROVAL	PERMIT	ERECTION	RTS	CAF	PKD	RTS	PKD	RTS
			08/07/18										
			03/07/22										
			09/16/22										



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