

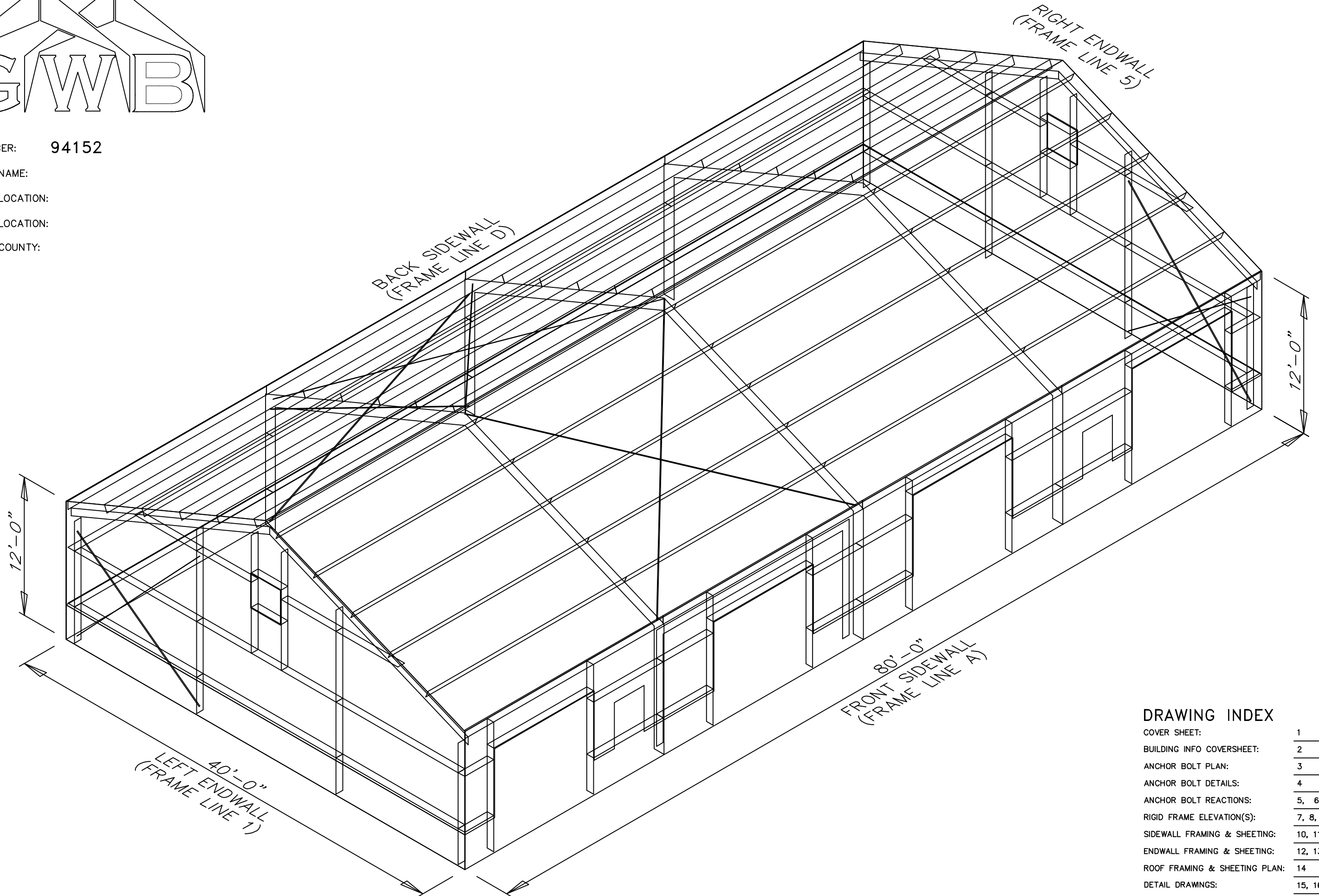
JOB NUMBER: 94152

PROJECT NAME:

PROJECT LOCATION:

PROJECT LOCATION:

PROJECT COUNTY:



DRAWING INDEX

COVER SHEET:	1
BUILDING INFO COVERSHEET:	2
ANCHOR BOLT PLAN:	3
ANCHOR BOLT DETAILS:	4
ANCHOR BOLT REACTIONS:	5, 6
RIGID FRAME ELEVATION(S):	7, 8, 9
SIDEWALL FRAMING & SHEETING:	10, 11
ENDWALL FRAMING & SHEETING:	12, 13
ROOF FRAMING & SHEETING PLAN:	14
DETAIL DRAWINGS:	15, 16, 17, 18, 19, 20

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**

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"Ø & LESS)	A325-TYPE 1	Fu = 120 KSI
HIGH STRENGTH BOLTS (>1"Ø TO 1 1/2"Ø)	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"Ø x 0'-1 1/4" A307 EXCEPT :**
A) ENDWALL RAFTER SPLICE - 5/8"Ø 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"Ø 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.
BUILDINGS IN SEISMIC DESIGN CATEGORY C OR LOWER AND/OR WITH CRANE SYSTEMS 10 TONS OR LESS DO NOT REQUIRE TURN OF THE NUT PRE TENSIONING

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 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 RECTOR 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 : IBC-21
 ENCLOSURE / RISK CATEGORY : II-Normal
 ENCLOSURE : Enclosed
 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) : 23.78/-25.80
 WIND ENCLOSURE CLASSIFICATION : Enclosed

LIVE LOAD
 PRIMARY FRAMING (PSF) : 20.00
 TRIB. AREA REDUCTION : No
 SECONDARY FRAMING (PSF) : 20.00

SNOW LOAD
 GROUND SNOW LOAD, (Pg) (PSF) : 20.00
 ROOF SNOW LOAD, (Pf) (PSF) : 20.00
 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 = 0.175 : S1 = 0.059
 SPECTRAL RESPONSE COEFFICIENTS : Sds = 0.186 : Sd1 = 0.093
 SEISMIC DESIGN CATEGORY : B
 BASIC SEISMIC FORCE RESISTING SYSTEM : STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE

TOTAL DESIGN BASE SHEAR, (V) (KIPS) : LONGITUDINAL = 1.19
 : TRANSVERSE = 1.20
 RESPONSE MODIFICATION FACTORS, (R) : RIGID FRAMES = 3.00 Ω = 3.00
 : SW X-BRACING = 3.00 Ω = 3.00
 : SW WIND BENT = 3.00 Ω = 3.00

SEISMIC RESPONSE COEFFICIENTS, (Cs) : RIGID FRAMES = 0.0619
 : SW X-BRACING = 0.0619
 : SW WIND BENT = 0.0619

ANALYSIS PROCEDURE USED : EQUIVALENT LATERAL FORCE PROCEDURE
 OTHER LOADS/REQUIREMENTS

BUILDING DESCRIPTION:

WIDTH (FT) : 40.00
 LENGTH (FT) : 80.00
 EAVE HEIGHT AT BSW (FT) : 12.00
 EAVE HEIGHT AT FSW (FT) : 12.00
 ROOF SLOPE AT BSW : 5.0:12
 ROOF SLOPE AT FSW : 5.0:12
 BAY SPACING (FT) : 4 AT 20.00

COVERING AND TRIMS:

ROOF PANELS & TRIMS
 PANEL TYPE : 26 GA. PBR
 PANEL COLOR : GALVALUME
 TRIM COLORS
 GABLE/EAVE : CHARCOAL GRAY
 EAVE GUTTER : CHARCOAL GRAY

WALL PANELS & TRIMS
 PANEL TYPE : 26 GA. PBR
 PANEL COLOR : ASH GRAY
 TRIM COLORS
 CORNER : CHARCOAL GRAY
 FRAMED OPENING : CHARCOAL GRAY
 DOWNSPOUTS : CHARCOAL GRAY
 BASE : CHARCOAL GRAY

WAINSCOT PANELS & TRIMS
 PANEL TYPE : 26 GA. PBR
 PANEL COLOR : CHARCOAL GRAY
 TRIM COLORS : CHARCOAL GRAY

INSULATION
 ROOF INSULATION : 6" (R-19) WMP-VR
 WALL INSULATION : 6" (R-19) WMP-VR

ENG.	CHK.	DATE	ISSUE	APPROVAL	PERMIT	ERECTION	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS		
		06/13/22	MEZ	MEZ	SB	AA															
		12/28/23	SB	AA																	
		01/31/24	OGR																		



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

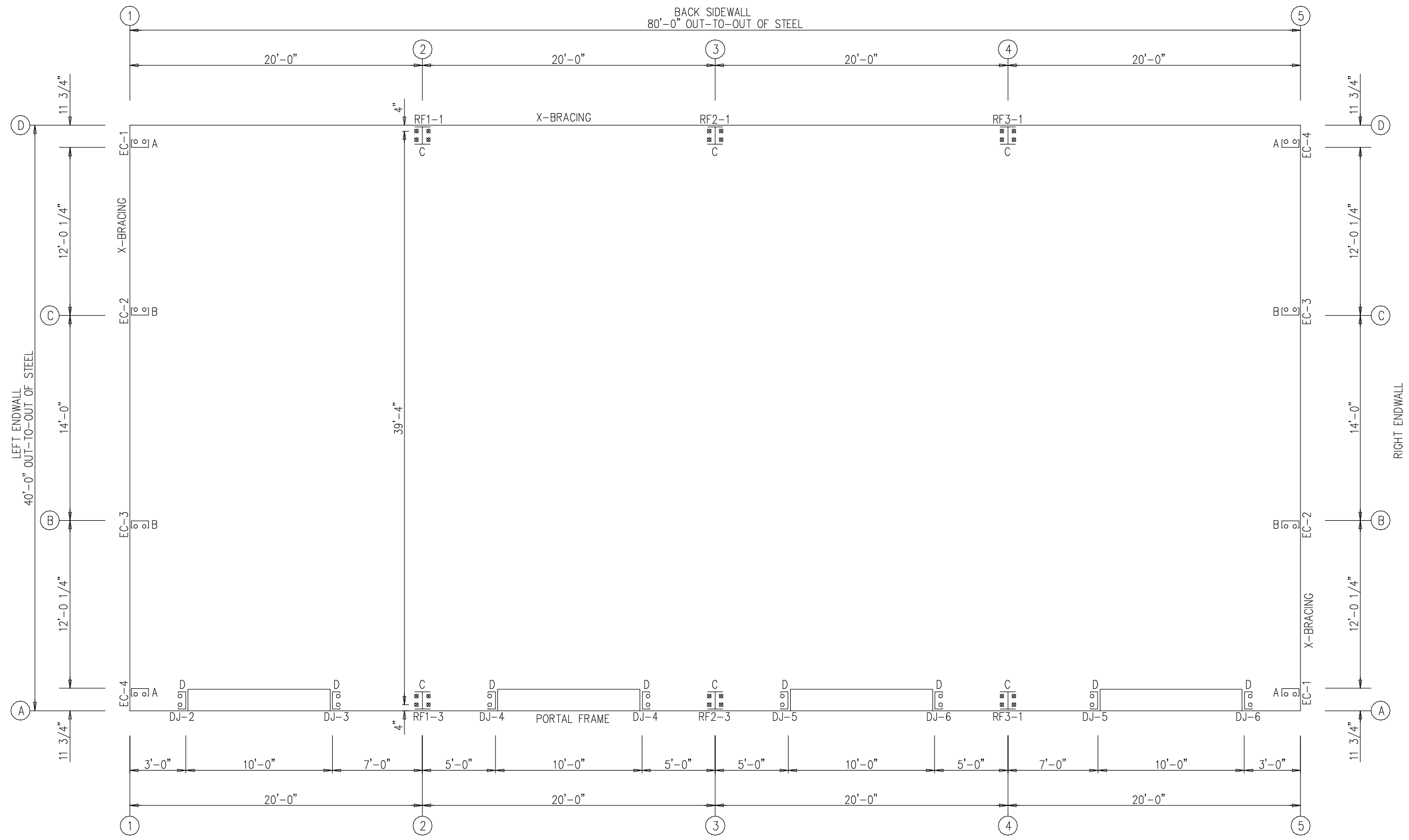
CUSTOMER NAME:	PROJECT NAME:	PROJECT LOCATION:	PROJECT COUNTY:	PROJECT END USE:	CUSTOMER PHONE NUMBER:	CUSTOMER EMAIL:	SCALE:	N.T.S.	
								SHEET NUMBER:	2 OF 20
								JOB NUMBER:	94152
								SHEET TITLE:	BUILDING INFO COVERSHEET

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.

ANCHOR BOLT SUMMARY

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

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	05/13/22	MEZ	MEZ	RTS
PERMIT	12/28/23	SB	AA	RTS
ERECTION	01/31/24	OGR	OGR	RTS



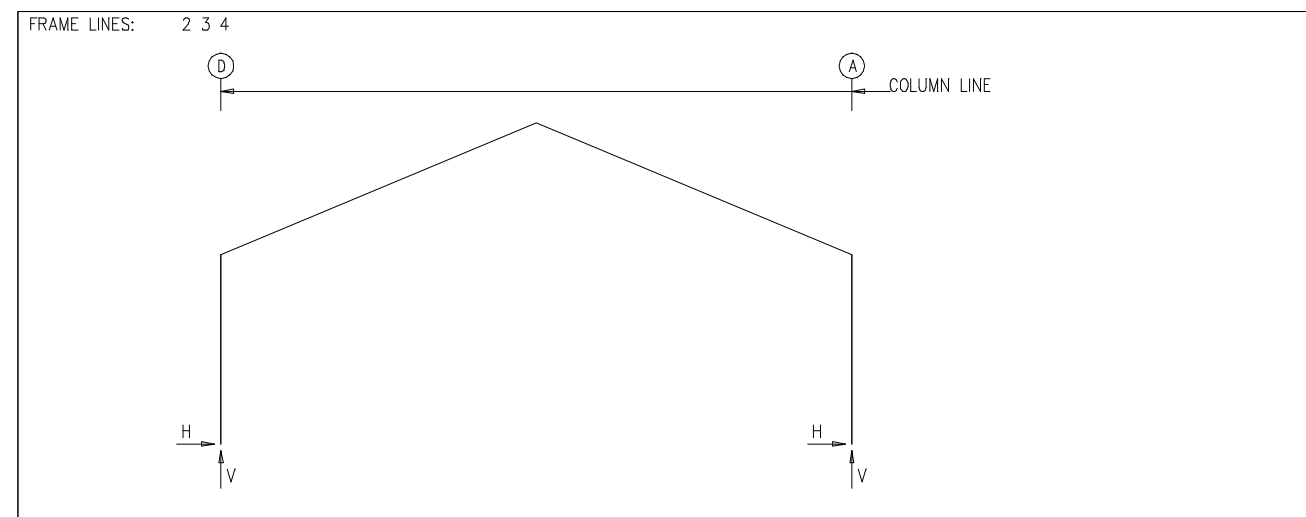
ANCHOR BOLT PLAN
 NOTE: ALL BASE PLATES @ 100'-0" (U.N.)



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 20
JOB NUMBER:	94152
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.



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	0.5	1.3	0.2	0.4	3.4	8.0	3.4	8.0	-4.2	-5.9	1.0	-4.4
2	A	-0.5	1.3	-0.2	0.4	-3.4	8.0	-3.4	8.0	-1.0	-4.4	4.2	-5.9

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	-4.2	-3.0	1.0	-1.5	0.1	-7.3	-1.0	-6.8	-0.1	-0.1	0.1	0.1
2	A	-1.0	-1.5	4.2	-3.0	1.0	-6.9	-0.1	-7.3	-0.1	0.1	0.1	-0.1

FRAME Line	Column Line	Seismic_Long Horiz	Seismic_Long Vert	F1UNB_SL_L Horiz	F1UNB_SL_L Vert	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
2	D	0.0	-0.3	2.6	7.3	2.6	4.4
2	A	0.0	-0.3	-2.6	4.4	-2.6	7.3

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

Frm Line	Col Line	Column_Reactions(k)				V		Bolt(in)		Base_Plate(in)			Grout (in)
		Load Id	Hmax H	Vmax V	Load Id	Hmin H	Vmin V	QTY	DIA	Width	Length	Thick	
2	D	1	4.1	9.7	4	-2.2	-1.0	4	0.750	6.000	12.50	0.375	0.0
					6	0.4	-3.6						
2	A	5	2.2	-1.0	1	-4.1	9.7	4	0.750	6.000	12.50	0.375	0.0
		1	-4.1	9.7	7	-0.4	-3.6						

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

Frm Line	Col Line	Column_Reactions(k)				V		Bolt(in)		Base_Plate(in)			Grout (in)
		Load Id	Hmax H	Vmax V	Load Id	Hmin H	Vmin V	QTY	DIA	Width	Length	Thick	
3	D	1	4.1	9.7	4	-2.2	-1.0	4	0.750	6.000	12.50	0.375	0.0
					6	0.4	-3.6						
3	A	5	2.2	-1.0	1	-4.1	9.7	4	0.750	6.000	12.50	0.375	0.0
		1	-4.1	9.7	7	-0.4	-3.6						

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

Frm Line	Col Line	Column_Reactions(k)				V		Bolt(in)		Base_Plate(in)			Grout (in)
		Load Id	Hmax H	Vmax V	Load Id	Hmin H	Vmin V	QTY	DIA	Width	Length	Thick	
4	D	1	4.1	9.7	4	-2.2	-1.0	4	0.750	6.000	12.50	0.375	0.0
					2	-2.2	-2.8						
4	A	5	2.2	-1.0	1	-4.1	9.7	4	0.750	6.000	12.50	0.375	0.0
		1	-4.1	9.7	3	2.2	-2.8						

BUILDING BRACING REACTIONS

Wall Loc	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
		Horz	Vert	Horz	Vert	Wind	Seis	
L_EW	1	D,C	1.7	2.2	0.2	0.2		
F_SW	A	2,3	1.3	1.4	0.3	0.3		(b)
R_EW	5	A,B	1.7	2.2	0.2	0.2		
B_SW	D	3,2	2.6	1.3	0.6	0.3		

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

Reactions for seismic represent shear force, Eh

ANCHOR BOLT SUMMARY

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

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
3	D	0.5	1.3	0.2	0.4	3.4	8.0	3.4	8.0	-4.2	-5.9	1.0	-4.4
3	A	-0.5	1.3	-0.2	0.4	-3.4	8.0	-3.4	8.0	-1.0	-4.4	4.2	-5.9

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
3	D	-4.2	-3.0	1.0	-1.5	0.1	-7.3	-1.0	-6.8	-0.1	-0.1	0.1	0.1
3	A	-1.0	-1.5	4.2	-3.0	1.0	-6.9	-0.1	-7.3	-0.1	0.1	0.1	-0.1

FRAME Line	Column Line	Seismic_Long Horiz	Seismic_Long Vert	F2UNB_SL_L Horiz	F2UNB_SL_L Vert	F2UNB_SL_R Horiz	F2UNB_SL_R Vert
3	D	0.0	-0.3	2.6	7.3	2.6	4.4
3	A	0.0	-0.3	-2.6	4.4	-2.6	7.3

NOTES FOR REACTIONS

Building reactions are based on the following building data:

- Width (ft) = 40.00
- Length (ft) = 80.00
- Eave Height (ft) = 12.00/12.00
- Roof Slope (rise/12) = 5.0:12/5.0:12
- Dead Load (psf) = 2.00
- Collateral Load (psf) = 1.00
- Live Load (psf) = 20.00
- Snow Load (psf) = 20.00
- Ultimate Wind Speed (mph) = 115.00
- Wind Code = IBC-21
- Exposure = C
- Closed/Open = Enclosed
- Importance Wind = 1.00
- Importance Seismic = 1.00
- Seismic Zone = B
- Seismic Coeff (Fa*Ss) = 0.28

ID	Description
1	Dead+Collateral+Snow+Slide_Snow
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Left2
5	0.6Dead+0.6Wind_Right2
6	0.6Dead+0.6Wind_Long1L
7	0.6Dead+0.6Wind_Long2L
8	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
9	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
10	Dead+Collateral+0.75Snow+0.45Wind_Right2+0.45Wind_Suction+0.75Slide_Snow
11	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
12	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
13	Dead+Collateral+E1UNB_SL_L
14	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L
15	Dead+Collateral+E1UNB_SL_R
16	Dead+Collateral+E2UNB_SL_L
17	Dead+Collateral+E2UNB_SL_R

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	05/13/22	APPROVAL
RTS	AA	12/28/23	PERMIT
RTS	OGR	01/31/24	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:	5 OF 20
JOB NUMBER:	94152
SHEET TITLE:	ANCHOR BOLT REACTIONS

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.

ENDWALL COLUMN:

BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz
1	D	0.2	0.1	1.0	1.0	-1.7	-3.0	0.0	1.5	-1.7	-2.3	0.0	2.2	-0.7
1	C	0.5	0.2	3.0	3.0	0.0	-0.2	1.7	-4.6	0.0	0.5	1.7	-3.8	-2.0
1	B	0.4	0.2	3.0	3.0	0.0	-1.6	0.0	-2.5	0.0	-0.8	0.0	-1.8	-2.0
1	A	0.2	0.1	1.0	1.0	0.0	-1.5	0.0	-0.7	0.0	-0.8	0.0	0.0	-0.7

Frm Line	Col Line	Wind Suct Horz	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis Long Vert	E1UNB_SL_L- Horz	E1UNB_SL_L- Vert
1	D	0.8	0.0	-0.5	-0.8	-2.3	-0.2	-0.2	0.0	0.3	0.0	0.0	1.0
1	C	2.2	0.8	-3.9	0.0	-0.4	0.0	0.2	0.2	-0.3	0.0	0.0	3.4
1	B	2.2	0.0	-1.5	0.0	-2.5	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1	A	0.8	0.0	-1.3	0.0	-1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Frm Line	Col Line	E1UNB_SL_R- Horz	E1UNB_SL_R- Vert
1	D	0.0	0.2
1	C	0.0	1.3
1	B	0.0	3.4
1	A	0.0	1.0

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz
5	A	0.2	0.1	1.0	1.0	-1.7	-3.0	0.0	1.5	-1.7	-2.3	0.0	2.2	-0.7
5	B	0.5	0.2	3.0	3.0	0.0	-0.2	1.7	-4.6	0.0	0.5	1.7	-3.8	-2.0
5	C	0.4	0.2	3.0	3.0	0.0	-1.6	0.0	-2.5	0.0	-0.8	0.0	-1.8	-2.0
5	D	0.2	0.1	1.0	1.0	0.0	-1.5	0.0	-0.7	0.0	-0.8	0.0	0.0	-0.7

Frm Line	Col Line	Wind Suct Horz	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis Long Vert	E2UNB_SL_L- Horz	E2UNB_SL_L- Vert
5	A	0.8	0.0	-0.5	-0.8	-2.3	-0.2	-0.2	0.0	0.3	0.0	0.0	1.0
5	B	2.2	0.8	-3.9	0.0	-0.4	0.0	0.2	0.2	-0.3	0.0	0.0	3.4
5	C	2.2	0.0	-1.5	0.0	-2.5	0.0	0.0	0.0	0.0	0.0	0.0	1.3
5	D	0.8	0.0	-1.3	0.0	-1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Frm Line	Col Line	E2UNB_SL_R- Horz	E2UNB_SL_R- Vert
5	A	0.0	0.2
5	B	0.0	1.3
5	C	0.0	3.4
5	D	0.0	1.0

ENDWALL COLUMN:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k)						Bolt(in) QTY	DIA	Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin			Width	Length	Thick	
1	D	8	0.5	-1.7	9	-0.4	-1.3	2	0.625	3.500	8.000	0.250	0.0
		10	0.4	2.0	8	0.5	-1.7						
1	C	11	1.3	-2.5	12	-1.2	-2.1	2	0.625	3.500	8.000	0.250	0.0
		13	0.0	4.0	11	1.3	-2.5						
1	B	14	1.3	-1.3	9	-1.2	-1.3	2	0.625	3.500	8.000	0.250	0.0
		15	0.0	4.0	11	1.3	-1.3						
1	A	14	0.5	-1.1	9	-0.4	-1.1	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	1.3	14	0.5	-1.1						
5	A	8	0.5	-1.7	9	-0.4	-1.3	2	0.625	3.500	8.000	0.250	0.0
		10	0.4	2.0	8	0.5	-1.7						
5	B	11	1.3	-2.5	12	-1.2	-2.1	2	0.625	3.500	8.000	0.250	0.0
		16	0.0	4.0	11	1.3	-2.5						
5	C	14	1.3	-1.3	9	-1.2	-1.3	2	0.625	3.500	8.000	0.250	0.0
		17	0.0	4.0	11	1.3	-1.3						
5	D	14	0.5	-1.1	9	-0.4	-1.1	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	1.3	14	0.5	-1.1						

ENG.	CHK.	DATE	DWN.	MEZ	MEZ	RTS	RTS	RTS
		05/13/22						
		12/28/23						
		01/31/24						



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:	6 OF 20
JOB NUMBER:	94152
SHEET TITLE:	ANCHOR BOLT REACTIONS

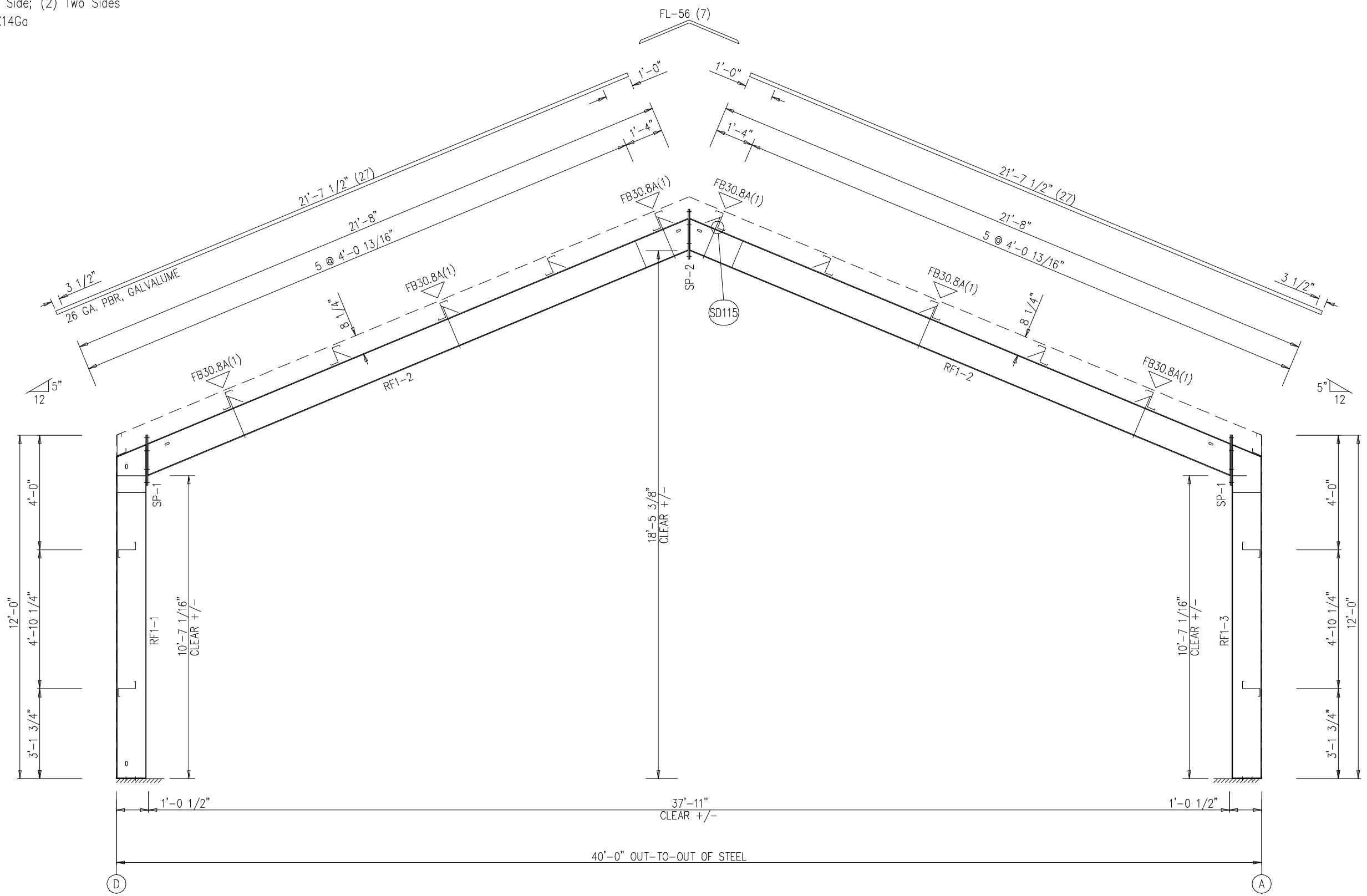
THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT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

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

Mark	Web Depth	Web Plate		Outside Flange	Inside Flange
	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length
RF1-1	12.0/12.0	0.135	9'-11 3/4"	5 x 1/4" x 11'-2 7/16"	5 x 1/4" x 10'-2 3/4"
RF1-2	12.0/12.0	0.188	1'-7 13/16"	5 x 1/4" x 1'-1 3/16"	5 x 1/4" x 20'-5 1/8"
	12.0/12.0	0.135	2'-0"	5 x 1/4" x 20'-5 1/8"	
RF1-3	12.0/12.0	0.188	1'-7 13/16"	5 x 1/4" x 1'-1 3/16"	5 x 1/4" x 10'-2 3/4"
	12.0/12.0	0.135	9'-11 3/4"	5 x 1/4" x 11'-2 7/16"	

ISSUE	DATE	DWN.	CHK.	ENG.			
				RTS	RTS	RTS	RTS
APPROVAL	05/13/22	MEZ	MEZ				
PERMIT	12/28/23	SB	AA				
ERECTION	01/31/24	OGR	OGR				

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



RIGID FRAME ELEVATION: FRAME LINE 2



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:	7 OF 20
JOB NUMBER:	94152
SHEET TITLE:	RIGID FRAME ELEVATION

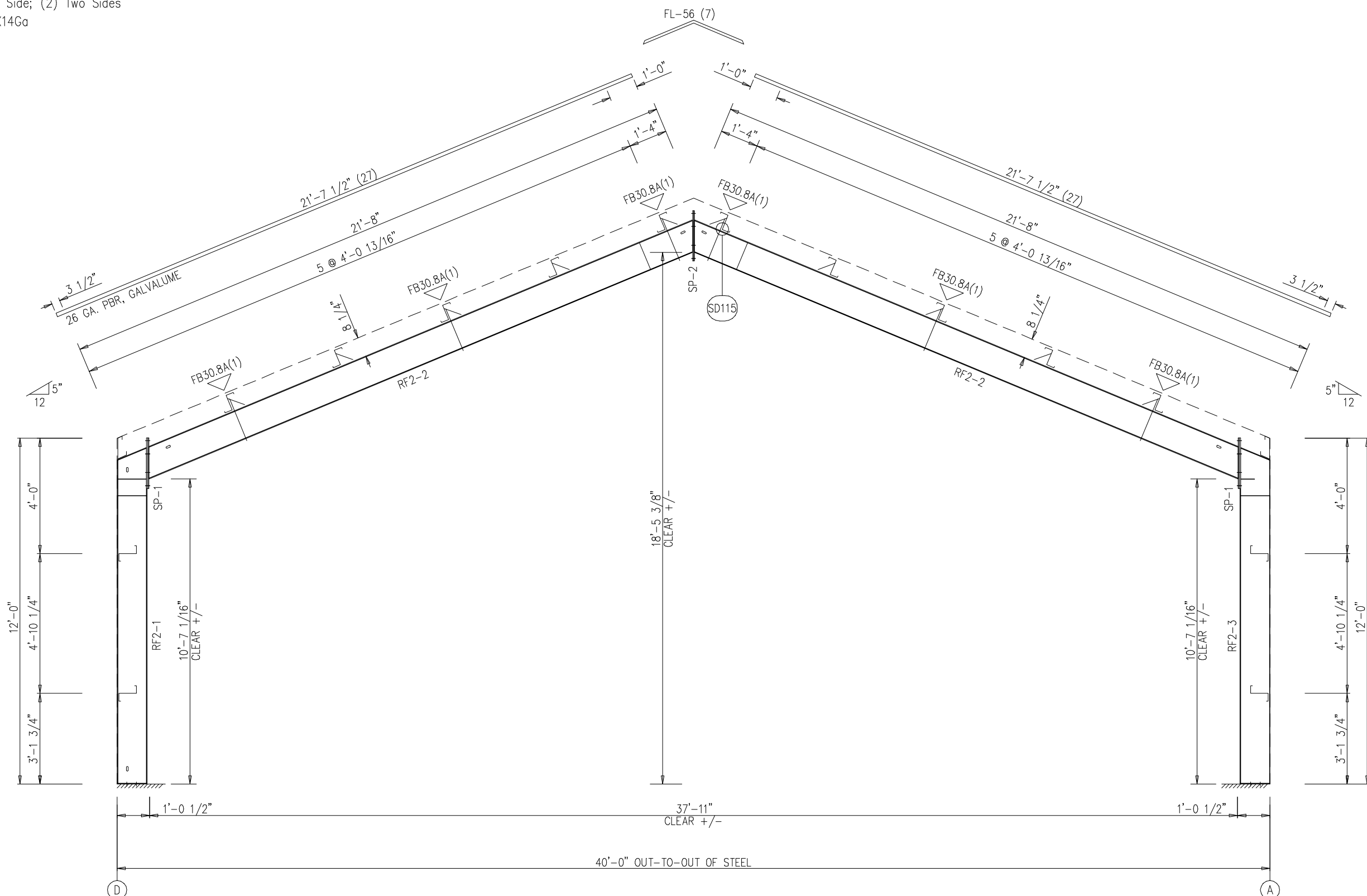
THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT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

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

Mark	Web Depth	Web Plate		Outside Flange	Inside Flange
	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length
RF2-1	12.0/12.0	0.135	9'-11 3/4"	5 x 1/4" x 11'-2 7/16"	5 x 1/4" x 10'-2 3/4"
RF2-2	12.0/12.0	0.188	1'-7 13/16"	5 x 1/4" x 1'-1 3/16"	5 x 1/4" x 20'-5 1/8"
	12.0/12.0	0.135	2'-0"	5 x 1/4" x 20'-5 1/8"	
RF2-3	12.0/12.0	0.188	1'-7 13/16"	5 x 1/4" x 1'-1 3/16"	5 x 1/4" x 10'-2 3/4"
	12.0/12.0	0.135	9'-11 3/4"	5 x 1/4" x 11'-2 7/16"	

ISSUE	DATE	DWN.	CHK.	ENG.			
				MEZ	RTS	AA	RTS
APPROVAL	05/13/21	MEZ	MEZ				
PERMIT	12/28/23	SB	AA				
ERECTION	01/31/24	OGR	OGR				

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



RIGID FRAME ELEVATION: FRAME LINE 3



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:	8 OF 20
JOB NUMBER:	94152
SHEET TITLE:	RIGID FRAME ELEVATION

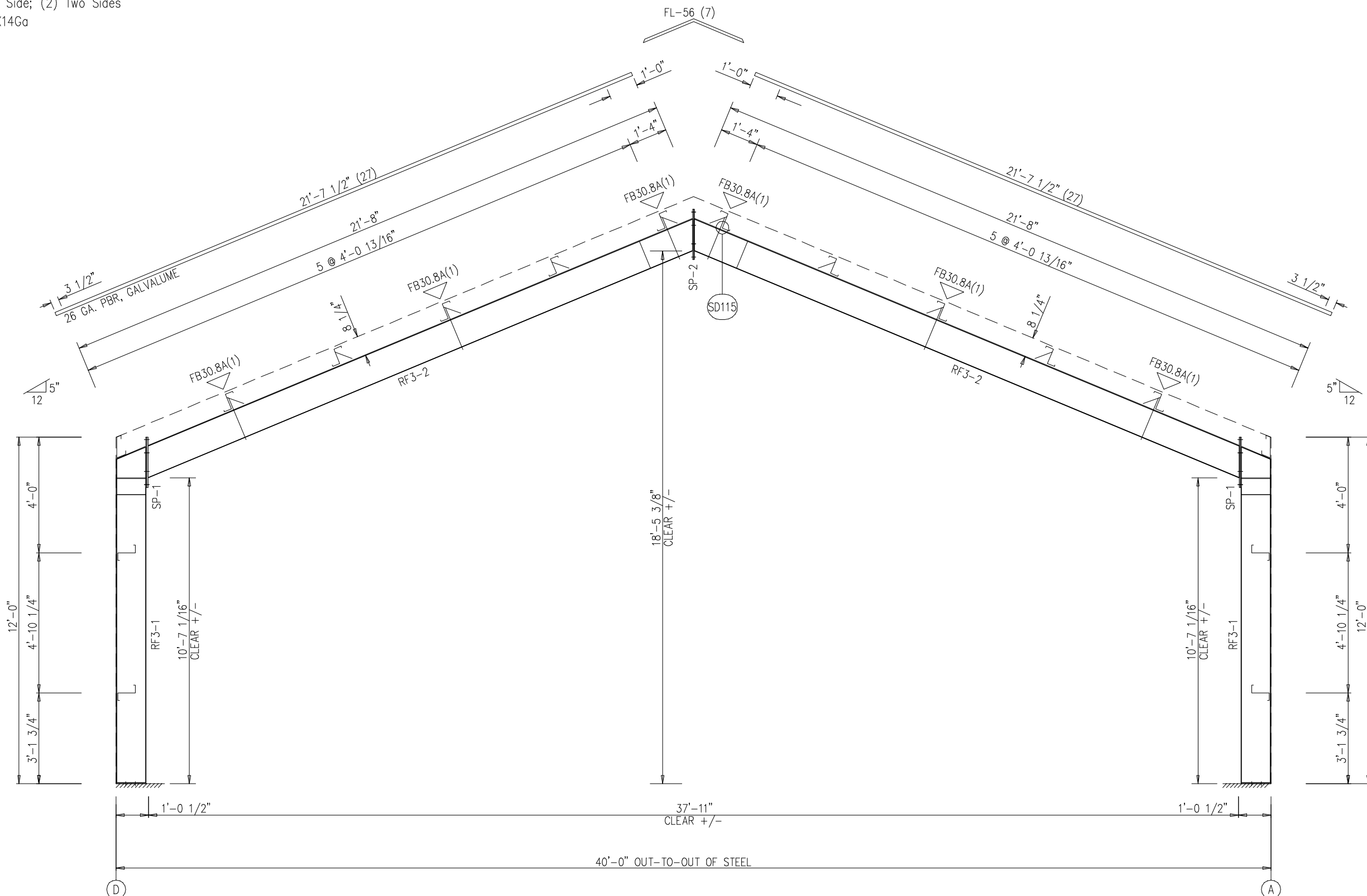
THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT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

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

Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start	End	Thick	Length	W x Thk x Length	W x Thk x Length
	RF3-1	12.0	12.0	0.135	9'-11 3/4"	5 x 1/4" x 11'-2 7/16"
RF3-2	12.0	12.0	0.188	1'-7 13/16"	5 x 1/4" x 1'-1 3/16"	
	12.0	12.0	0.135	18'-10 1/4"	5 x 1/4" x 20'-5 1/8"	5 x 1/4" x 20'-5 1/8"
	12.0	12.0	0.135	2'-0"		

ISSUE	DATE	DWN.	CHK.	ENG.	APPROVAL			
					MEZ	RTS	AA	RTS
APPROVAL	05/13/22	MEZ	MEZ	MEZ				
PERMIT	12/28/23	SB	AA	AA				
ERECTION	01/31/24	OGR	OGR	OGR				

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



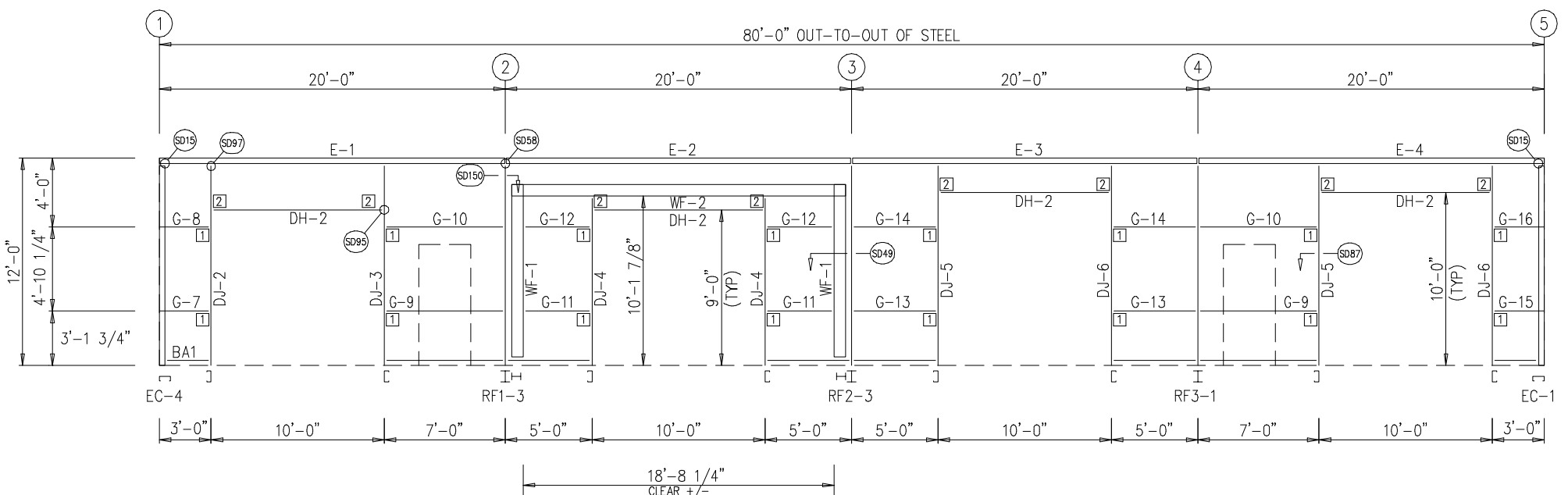
RIGID FRAME ELEVATION: FRAME LINE 4



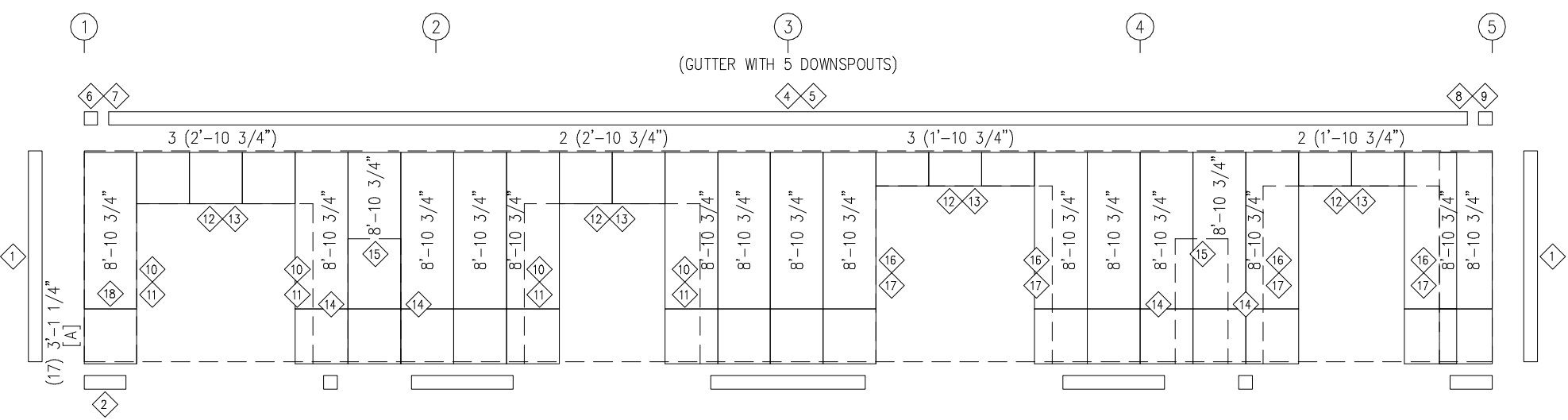
3033 S. PARKER RD 12 FLOOR
 AURORA, CO 80014
 PHONE: (800)-497-2135
 WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	9 OF 20
JOB NUMBER:	94152
SHEET TITLE:	RIGID FRAME ELEVATION

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.



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 GA. PBR - ASH GRAY
 [A] PANELS: 26 GA. PBR - CHARCOAL GRAY

TRIM TABLE
FRAME LINE A

ID	QUAN	PART	LENGTH	DETAIL
1	2	FL-10	12'-0"	TD40
2	4	FL-60	10'-2"	TD74
4	5	FL-32	12'-2"	TD15
5	7	FL-31	11'-7"	TD15
6	1	FL-32L	11'-2"	TD13
7	1	FL-33L	8"	TD85
8	1	FL-32R	11'-2"	TD13
9	1	FL-33R	8"	TD85
10	4	FL-55	9'-3"	TD51
11	4	FL-48	9'-2"	TD51
12	4	FL-55	10'-7"	TD52
13	4	FL-52	10'-4"	TD52
14	4	FL-48	7'-2"	TD51
15	2	FL-52	3'-4"	TD52
16	4	FL-55	10'-3"	TD51
17	4	FL-48	10'-2"	TD51
18	4	FL-237	10'-2"	TD199

BOLT TABLE
FRAME LINE A

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	5/8"	1 3/4"
WF-1 - RF1-3	6	A325	5/8"	1 1/2"
WF-1 - RF2-3	6	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE A

QUAN	MARK	PART	LENGTH
2	WF-1	W8X10	10'-4"
1	WF-2	W8X18	18'-7 7/16"
1	DJ-2	8x25C16	11'-6 3/8"
1	DJ-3	8x25C16	11'-6 3/8"
2	DJ-4	8x25C16	10'-1 5/8"
2	DJ-5	8x25C16	11'-6 3/8"
2	DJ-6	8x25C16	11'-6 3/8"
4	DH-2	8x25C16	9'-11 1/2"
1	E-1	L08E16-5	19'-11 1/2"
1	E-2	L08E16-5	19'-11 1/2"
1	E-3	L08E16-5	19'-11 1/2"
1	E-4	L08E16-5	19'-11 1/2"
1	G-7	8X35Z16	2'-7 11/16"
1	G-8	8X25Z16	2'-7 11/16"
2	G-9	8X35Z16	6'-3 7/8"
2	G-10	8X25Z16	6'-3 7/8"
2	G-11	8X35Z16	3'-11 11/16"
2	G-12	8X25Z16	3'-11 11/16"
2	G-13	8X35Z16	4'-3 7/8"
2	G-14	8X25Z16	4'-3 7/8"
1	G-15	8X35Z16	2'-7 11/16"
1	G-16	8X25Z16	2'-7 11/16"

CONNECTION PLATES
FRAME LINE A

ID	QUAN	MARK
1	16	CL-103
2	8	CL-100

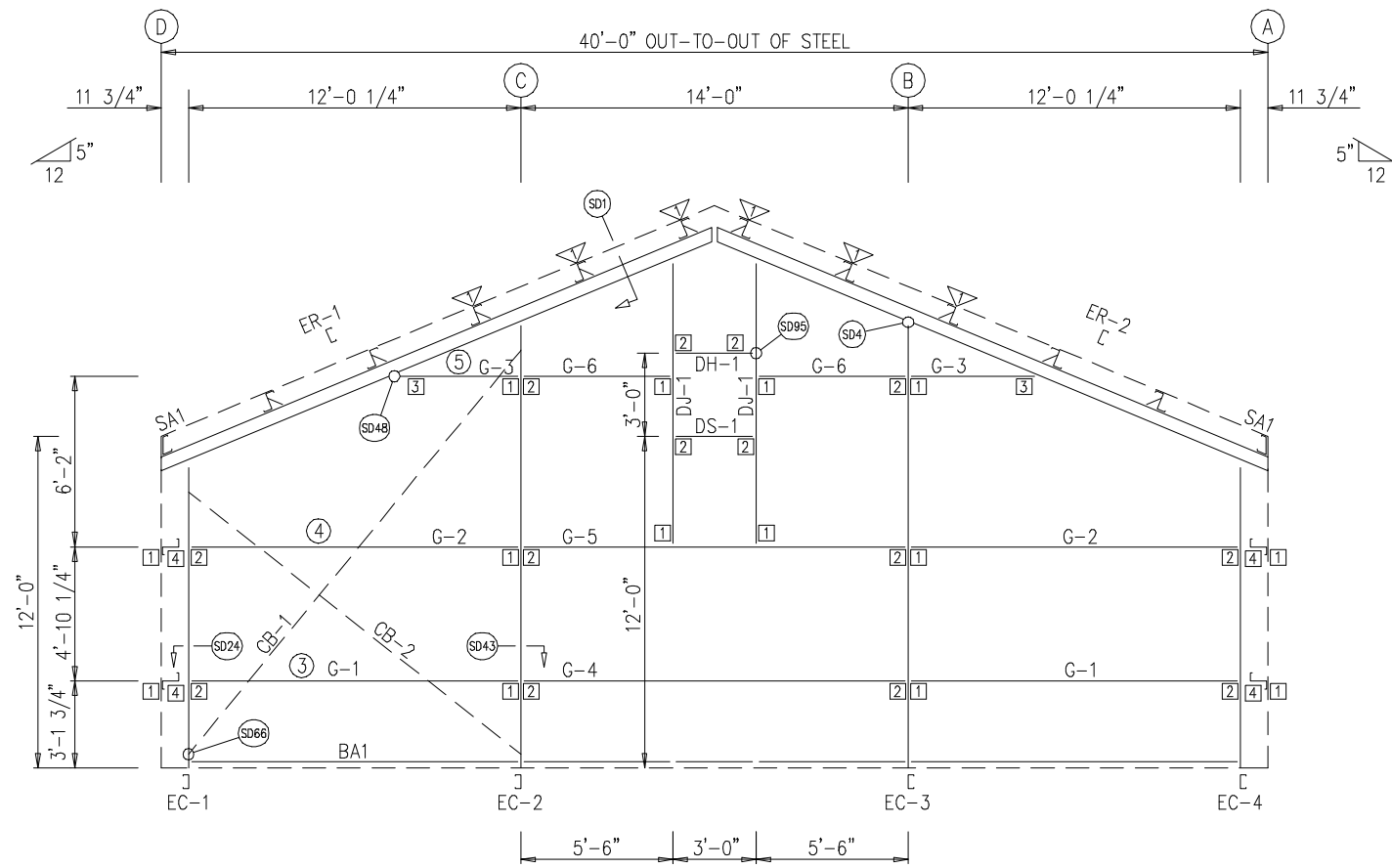
ENG. CHK. MEZ AA OGR
 DATE 05/13/22 12/28/23 01/31/24
 APPROVAL PERMIT ERECTION
 ISSUE

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

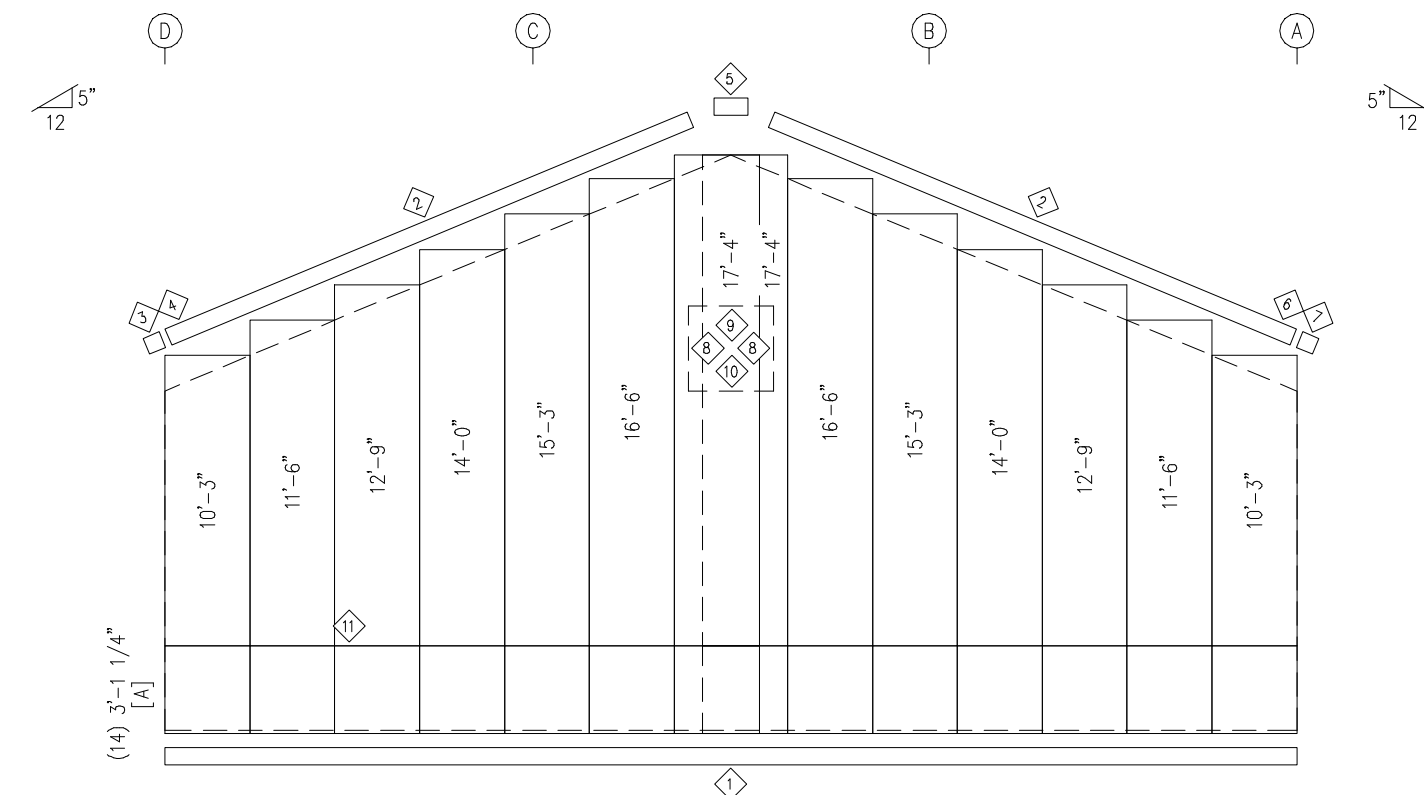
CUSTOMER NAME:
 PROJECT NAME:
 PROJECT LOCATION:
 PROJECT COUNTY:
 PROJECT END USE:
 CUSTOMER PHONE NUMBER:
 CUSTOMER EMAIL:
 SCALE: N.T.S.

SHEET NUMBER: 10 OF 20
 JOB NUMBER: 94152
 SHEET TITLE: SIDEWALL FRAMING & SHEETING

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.



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 GA. PBR - ASH GRAY
 [A] PANELS: 26 GA. PBR - CHARCOAL GRAY

TRIM TABLE
 FRAME LINE 1

ID	QUAN	PART	LENGTH	DETAIL
1	4	FL-60	10'-2"	TD74
2	2	FL-21	11'-10"	TD35
3	1	FL-21L	11'-2"	TD85
4	1	FL-328L	9 1/2"	TD13
5	1	FL-23	1'-4"	
6	1	FL-21R	11'-2"	TD85
7	1	FL-328R	9 1/2"	TD13
8	2	FL-48	3'-4"	TD51
9	1	FL-52	3'-4"	TD52
10	1	FL-50	3'-4"	TD52
11	4	FL-237	10'-2"	TD199

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"
JAMBS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE
 FRAME LINE 1

QUAN	MARK	PART	LENGTH
1	EC-1	8x25C16	10'-10 9/16"
1	EC-2	8x25C12	15'-10 5/8"
1	EC-3	8x35C14	15'-10 5/8"
1	EC-4	8x25C16	10'-10 9/16"
1	ER-1	8x25C14	21'-7 3/4"
1	ER-2	8x25C14	21'-7 3/4"
2	DJ-1	8x25C16	9'-10 1/8"
1	DH-1	8x25C16	2'-11 1/2"
1	DS-1	8x25C16	2'-11 1/2"
2	G-1	8x35Z16	11'-7 15/16"
2	G-2	8x25Z16	11'-7 15/16"
2	G-3	8x25Z16	3'-8"
1	G-4	8x35Z16	13'-11 1/2"
1	G-5	8x25Z16	13'-11 1/2"
2	G-6	8x25Z16	5'-1 11/16"
1	CB-1	CB0250	19'-7"
1	CB-2	CB0250	16'-0 1/4"

CONNECTION PLATES
 FRAME LINE 1

ID	QUAN	MARK
1	14	CL-103
2	14	CL-100
3	2	CL-109F
4	4	CL-5

FLANGE BRACE TABLE
 FRAME LINE 1

ID	QUAN	MARK
1	6	FB29.3

FIELD WORK TABLE
 FRAME LINE 1

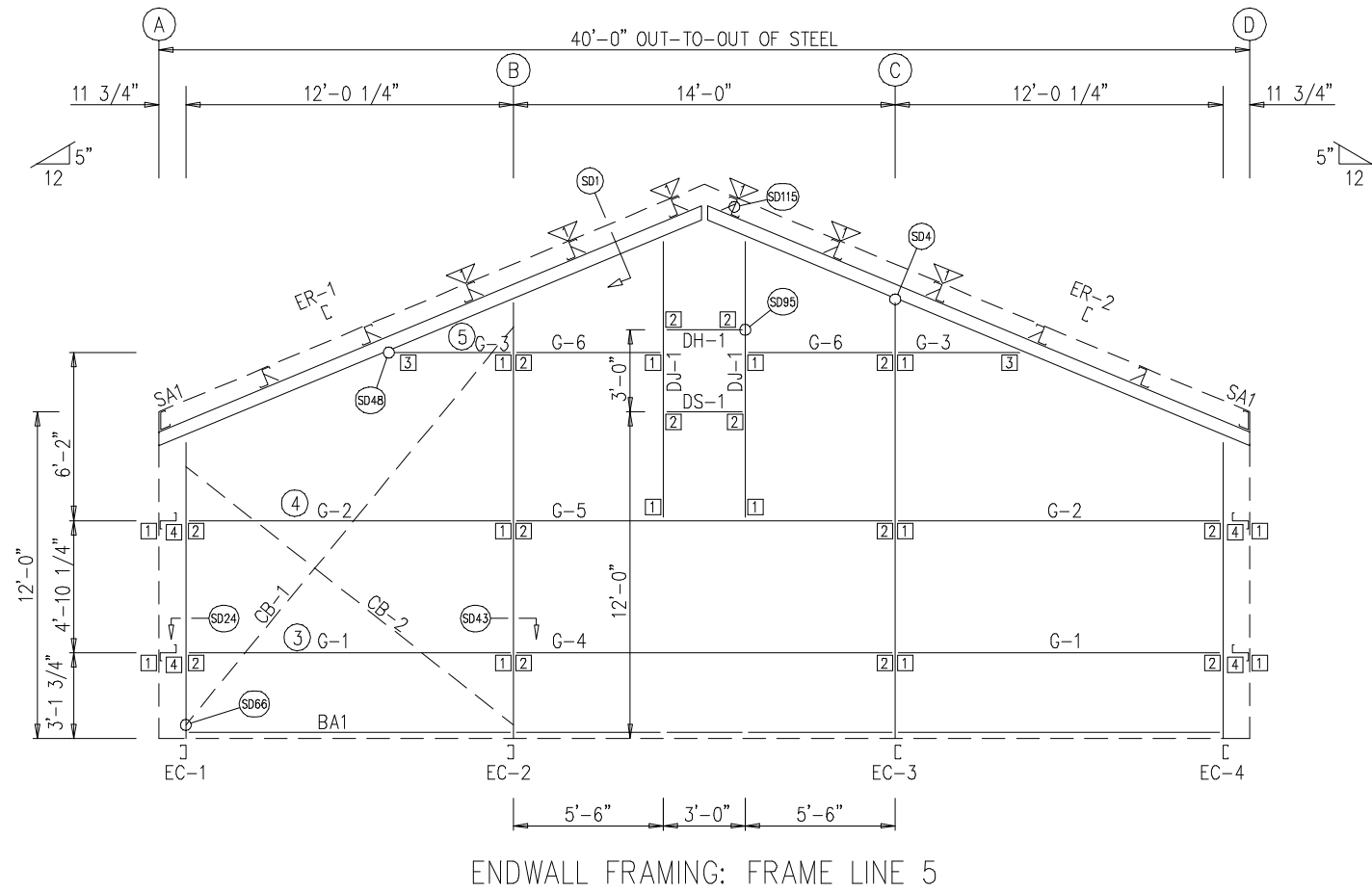
ID	DETAIL	DIMENSION 1	DIMENSION 2
3	SD202	2'-1 5/16"	8'-9 7/16"
4	SD202	2'-10 1/8"	6'-0 1/2"
5	SD202	3'-0 5/8"	----

ENG.	RTS	CHK.	DATE	ISSUE
			06/13/22	APPROVAL
			12/28/23	PERMIT
			01/31/24	ERECTION

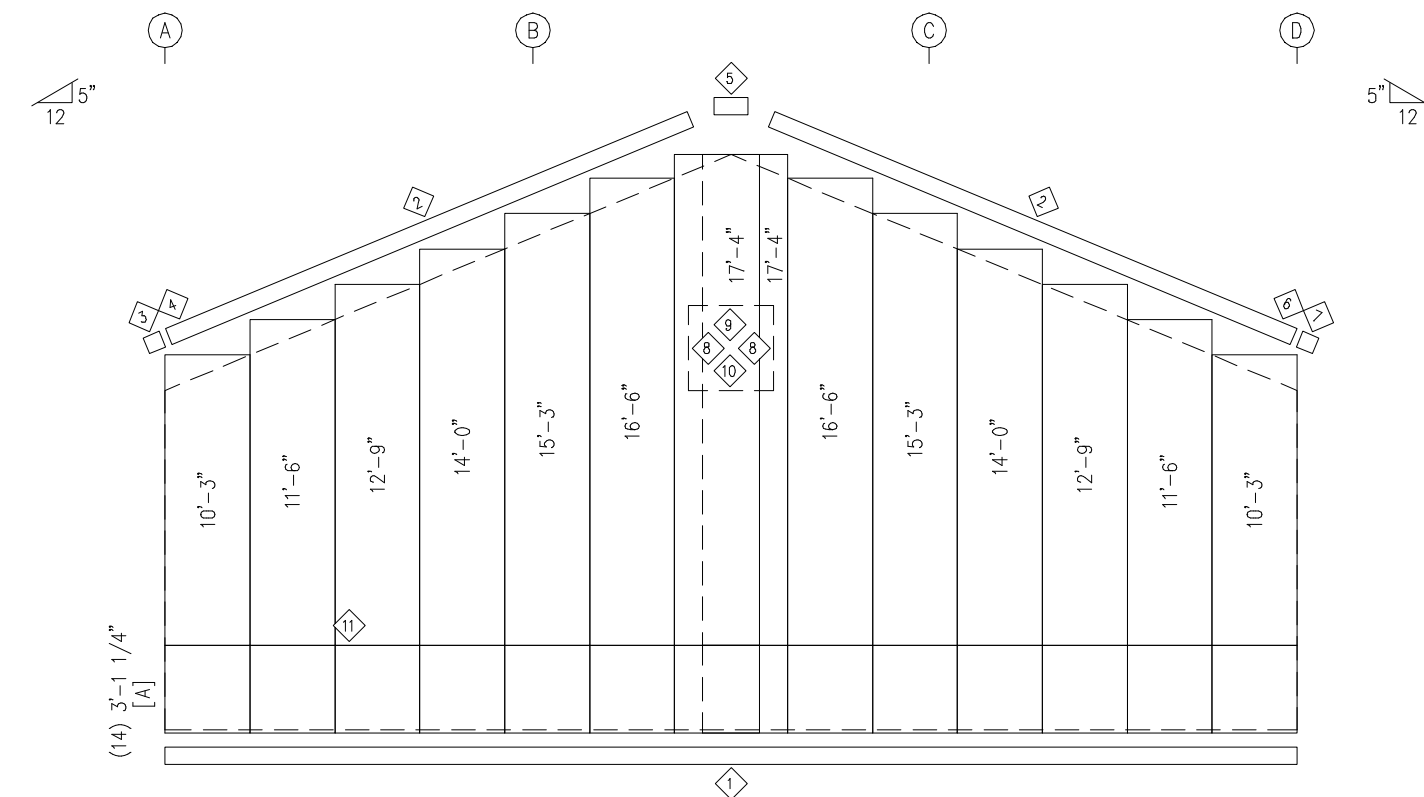
3033 S. PARKER RD 12 FLOOR
 AURORA, CO 80014
 PHONE: (800)-497-2135
 WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	12 OF 20
JOB NUMBER:	94152
SHEET TITLE:	ENDWALL FRAMING & SHEETING

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.



ENDWALL FRAMING: FRAME LINE 5



ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 GA. PBR - ASH GRAY

[A] PANELS: 26 GA. PBR - CHARCOAL GRAY

TRIM TABLE
FRAME LINE 5

ID	QUAN	PART	LENGTH	DETAIL
1	4	FL-60	10'-2"	TD74
2	2	FL-21	11'-10"	TD35
3	1	FL-21L	11'-2"	TD85
4	1	FL-328L	9 1/2"	TD13
5	1	FL-23	1'-4"	
6	1	FL-21R	11'-2"	TD85
7	1	FL-328R	9 1/2"	TD13
8	2	FL-48	3'-4"	TD51
9	1	FL-52	3'-4"	TD52
10	1	FL-50	3'-4"	TD52
11	4	FL-237	10'-2"	TD199

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"
JAMBS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE 5

QUAN	MARK	PART	LENGTH
1	EC-1	8x25C16	10'-10 9/16"
1	EC-2	8x25C12	15'-10 5/8"
1	EC-3	8x35C14	15'-10 5/8"
1	EC-4	8x25C16	10'-10 9/16"
1	ER-1	8x25C14	21'-7 3/4"
1	ER-2	8x25C14	21'-7 3/4"
2	DJ-1	8x25C16	9'-10 1/8"
1	DH-1	8x25C16	2'-11 1/2"
1	DS-1	8x25C16	2'-11 1/2"
2	G-1	8x35Z16	11'-7 15/16"
2	G-2	8x25Z16	11'-7 15/16"
2	G-3	8x25Z16	3'-8"
1	G-4	8x35Z16	13'-11 1/2"
1	G-5	8x25Z16	13'-11 1/2"
2	G-6	8x25Z16	5'-1 11/16"
1	CB-1	CB0250	19'-7"
1	CB-2	CB0250	16'-0 1/4"

CONNECTION PLATES
FRAME LINE 5

ID	QUAN	MARK
1	14	CL-103
2	14	CL-100
3	2	CL-109F
4	4	CL-5

FLANGE BRACE TABLE
FRAME LINE 5

ID	QUAN	MARK
1	6	FB29.3

FIELD WORK TABLE
FRAME LINE 1

ID	DETAIL	DIMENSION 1	DIMENSION 2
3	SD202	2'-1 5/16"	8'-9 7/16"
4	SD202	2'-10 1/8"	6'-0 1/2"
5	SD202	3'-0 5/8"	----

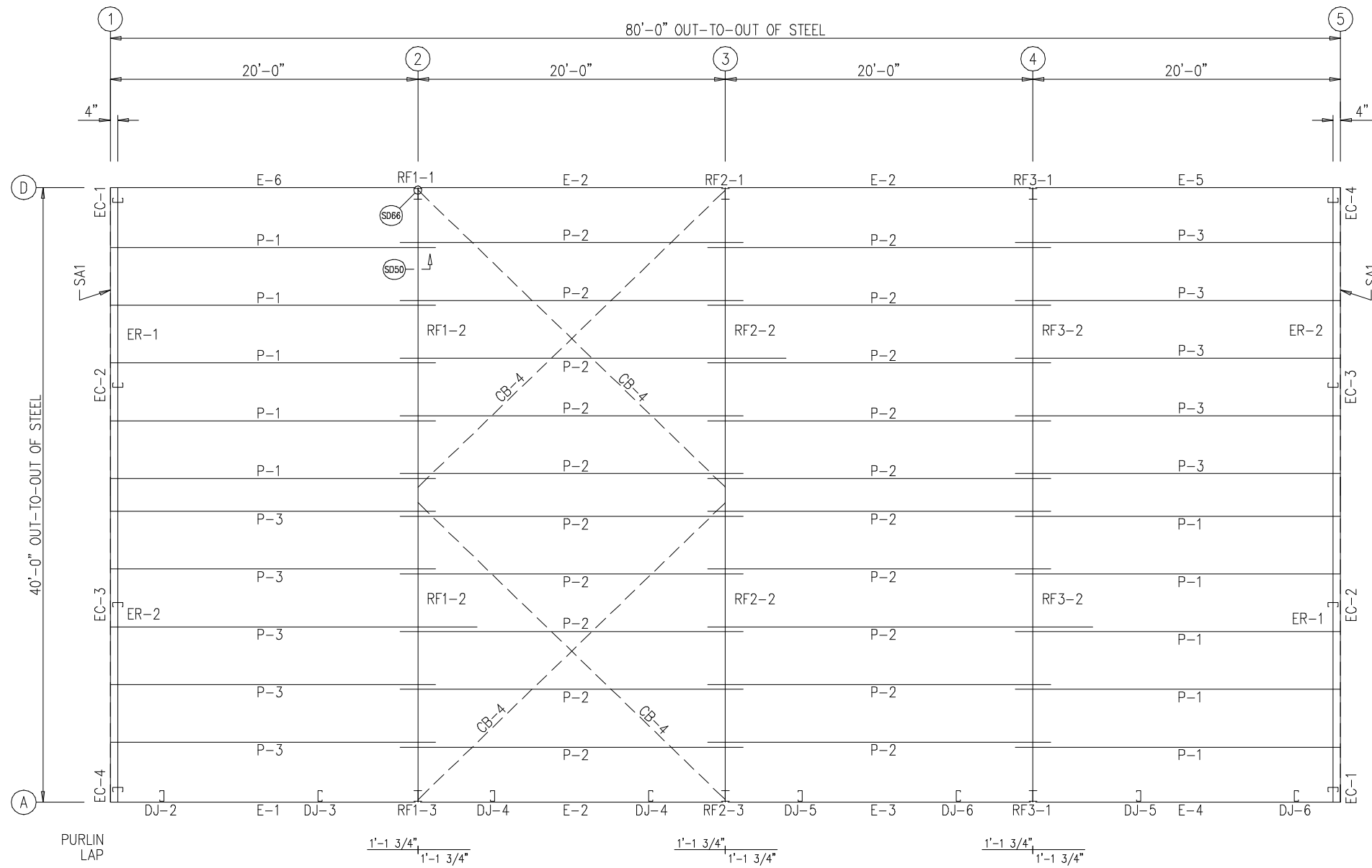
ENG.	RTS	CHK.	DATE	ISSUE
			06/13/22	APPROVAL
			12/28/23	PERMIT
			01/31/24	ERECTION



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:	13 OF 20
JOB NUMBER:	94152
SHEET TITLE:	ENDWALL FRAMING & SHEETING

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.



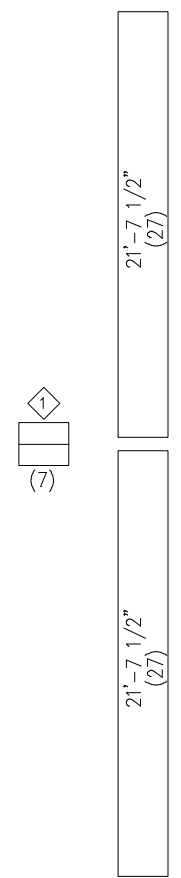
ROOF FRAMING PLAN

TRIM TABLE
ROOF PLAN

ID	QUAN	PART	LENGTH	DETAIL
1	7	FL-56	11'-9"	TD9

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"
1	E-1	L08E16-5	19'-11 1/2"
3	E-2	L08E16-5	19'-11 1/2"
1	E-3	L08E16-5	19'-11 1/2"
1	E-4	L08E16-5	19'-11 1/2"
1	E-5	L08E16-5	19'-11 1/2"
1	E-6	L08E16-5	19'-11 1/2"
4	CB-4	CB0250	28'-4"



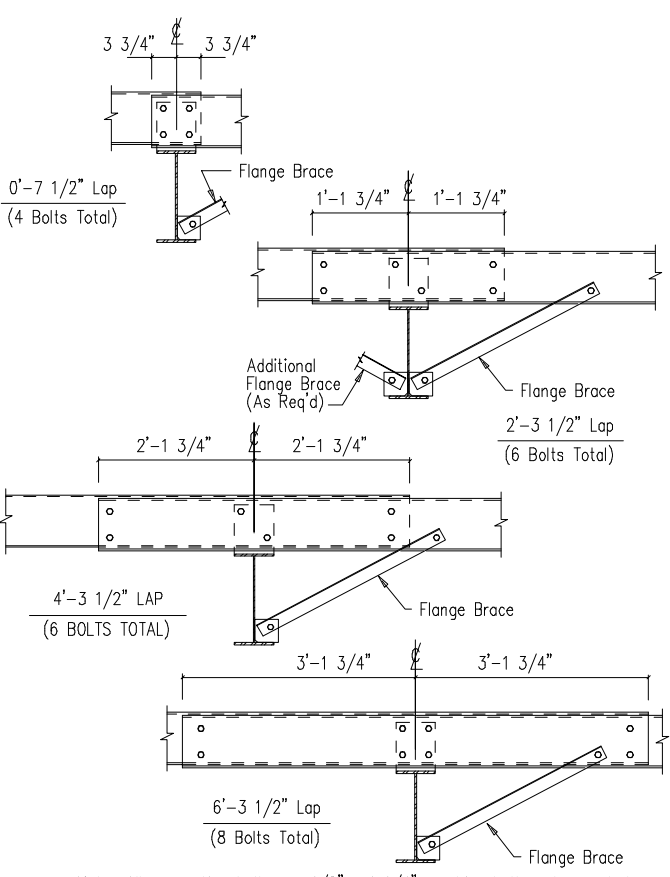
ROOF SHEETING
PANELS: 26 GA. PBR GALVALUME

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	05/13/22	APPROVAL
RTS	AA	12/28/23	PERMIT
RTS	OGR	01/31/24	ERECTION

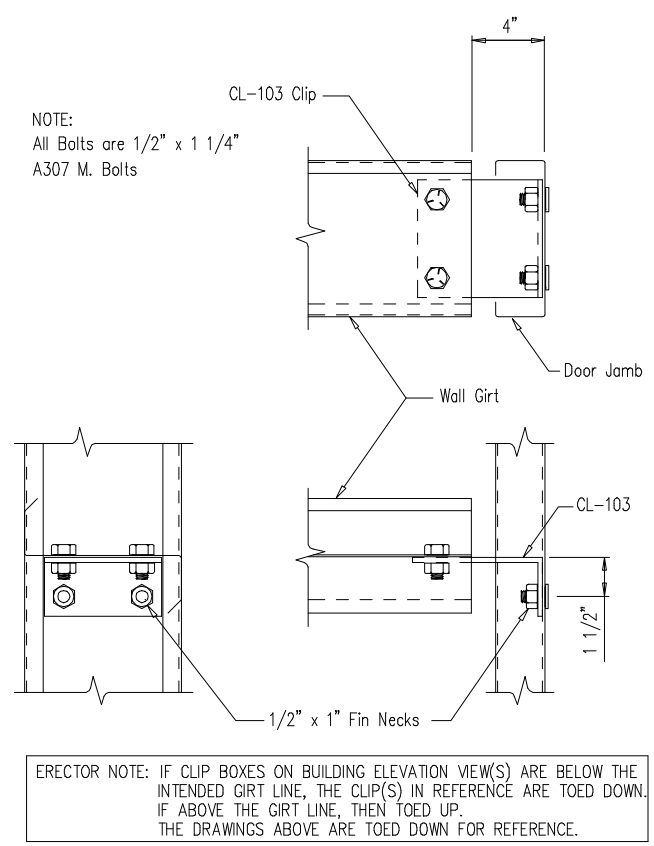
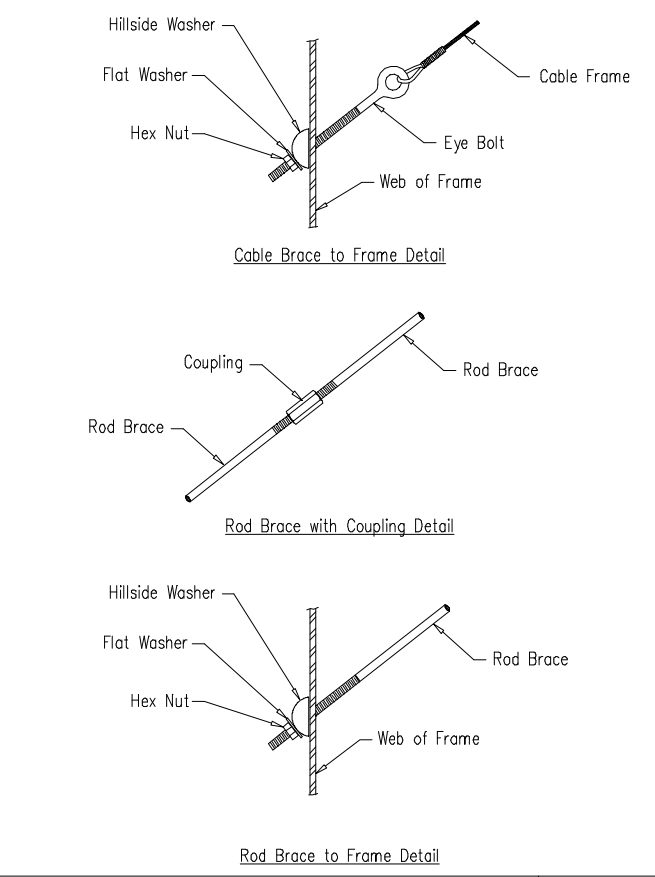
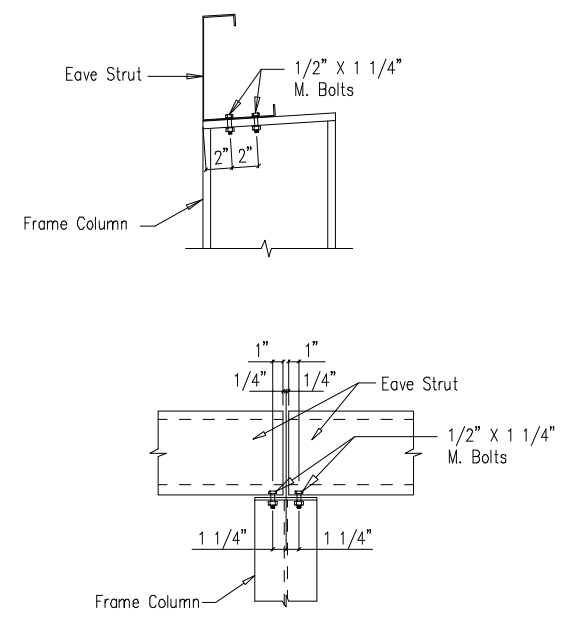
3033 S. PARKER RD 12 FLOOR
AURORA, CO 80014
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	14 OF 20
JOB NUMBER:	94152
SHEET TITLE:	ROOF FRAMING & SHEETING 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.



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



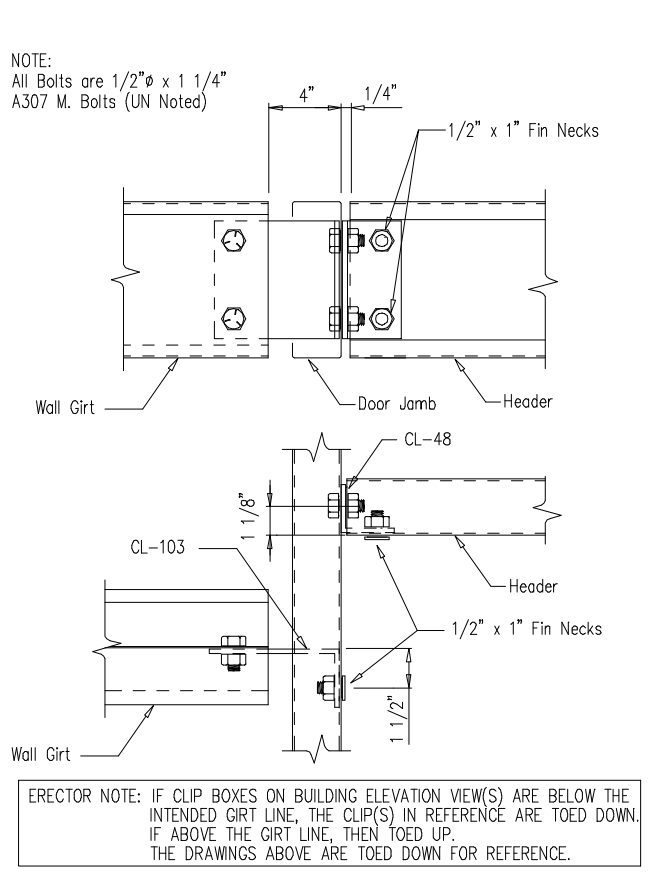
ERECTOR NOTE: IF CLIP BOXES ON BUILDING ELEVATION VIEW(S) ARE BELOW THE INTENDED GIRT LINE, THE CLIP(S) IN REFERENCE ARE TOED DOWN. IF ABOVE THE GIRT LINE, THEN TOED UP. THE DRAWINGS ABOVE ARE TOED DOWN FOR REFERENCE.

Interior Bay Purlin Framing DRAWING NO. SD50

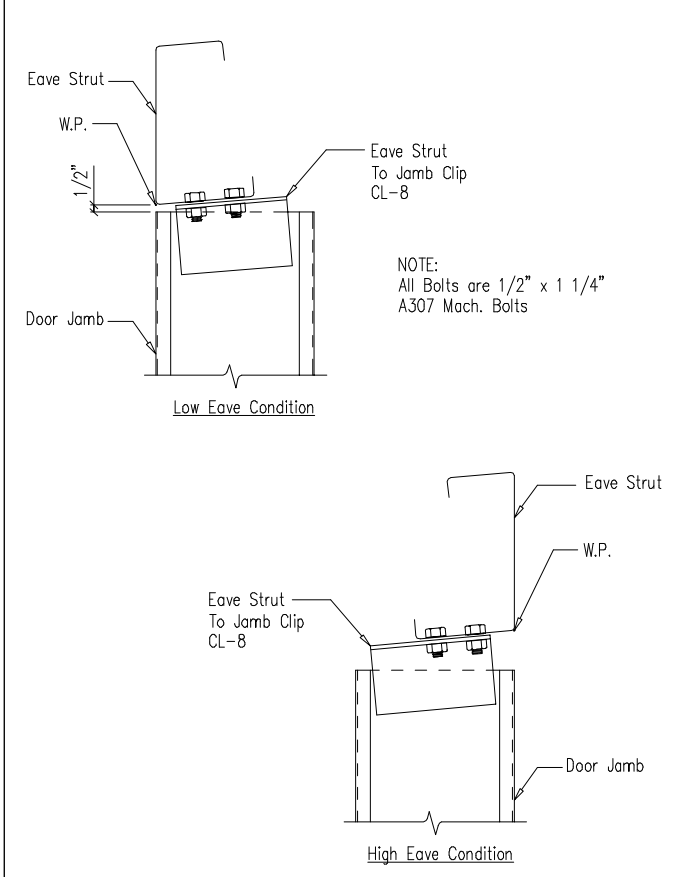
Eave Strut at Interior Column Flush Sidewall DRAWING NO. SD58

Cable or Rod Brace to Frame Connection DRAWING NO. SD66

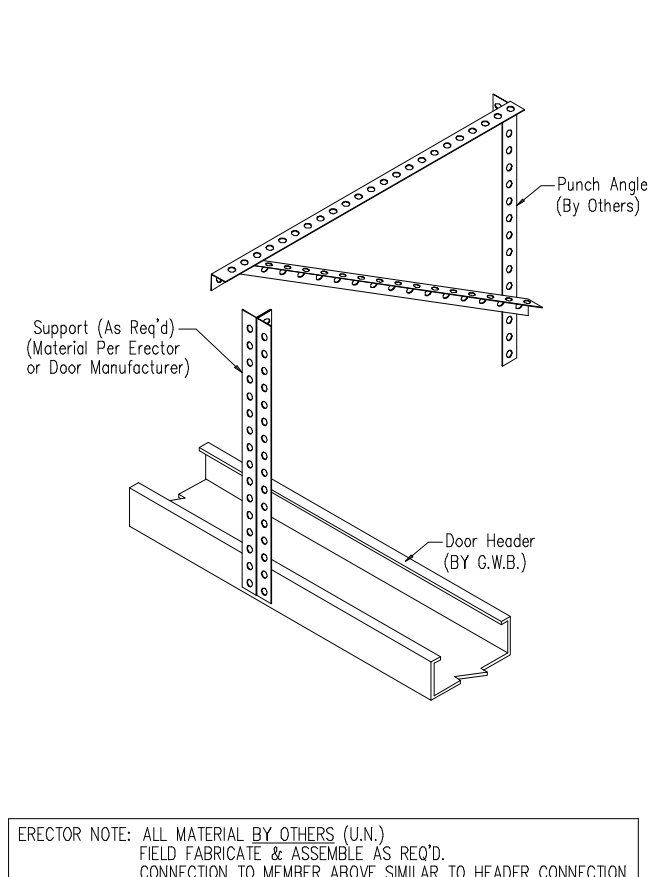
Girt to Jamb (Bolted Clips) DRAWING NO. SD87



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.

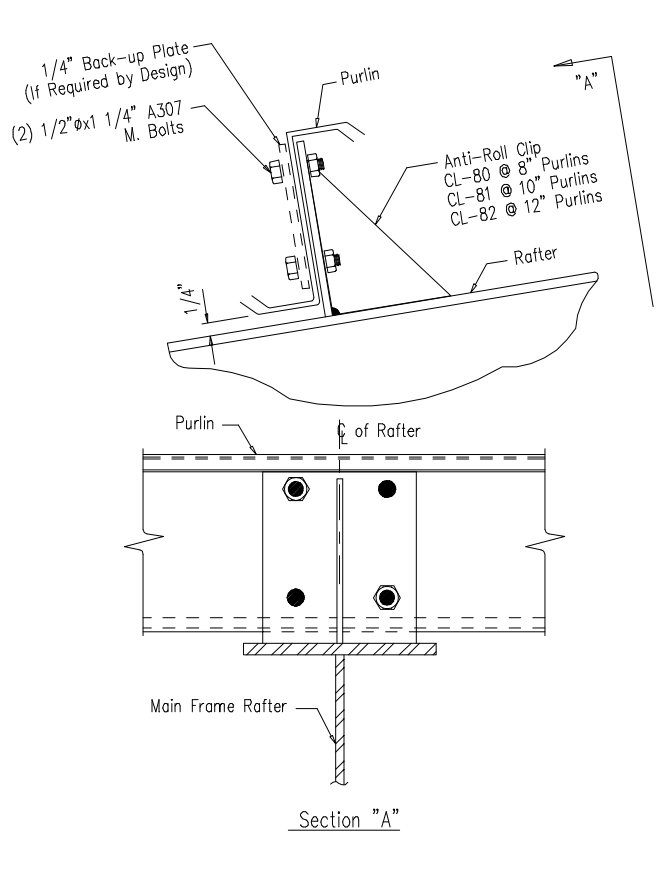


Jamb To Eave Strut 2:12 Roof Pitch and Higher DRAWING NO. SD97



ERECTOR NOTE: ALL MATERIAL BY OTHERS (U.N.) FIELD FABRICATE & ASSEMBLE AS REQ'D. CONNECTION TO MEMBER ABOVE SIMILAR TO HEADER CONNECTION.

Overhead Door Torsion Bar Bearing Connection DRAWING NO. SD101



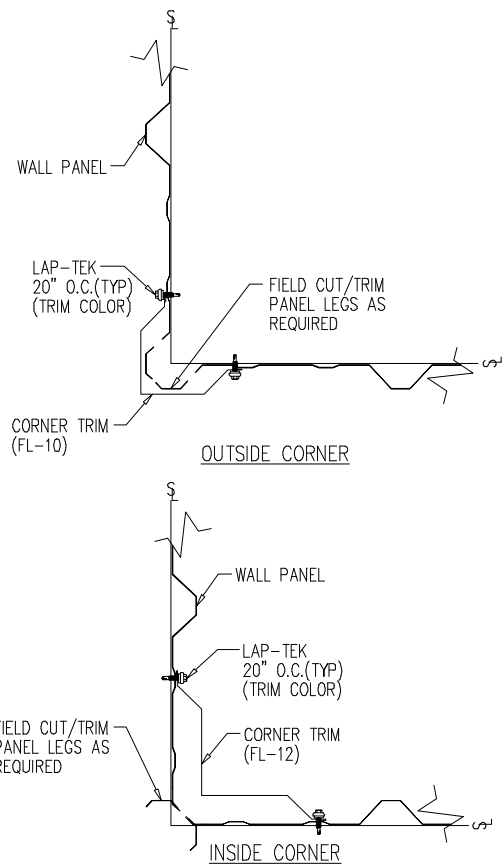
Purlin to Anti-Roll Clip Connection DRAWING NO. SD115

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	06/13/22	APPROVAL
RTS	AA	12/28/23	PERMIT
RTS	OGR	01/31/24	ERECTION

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

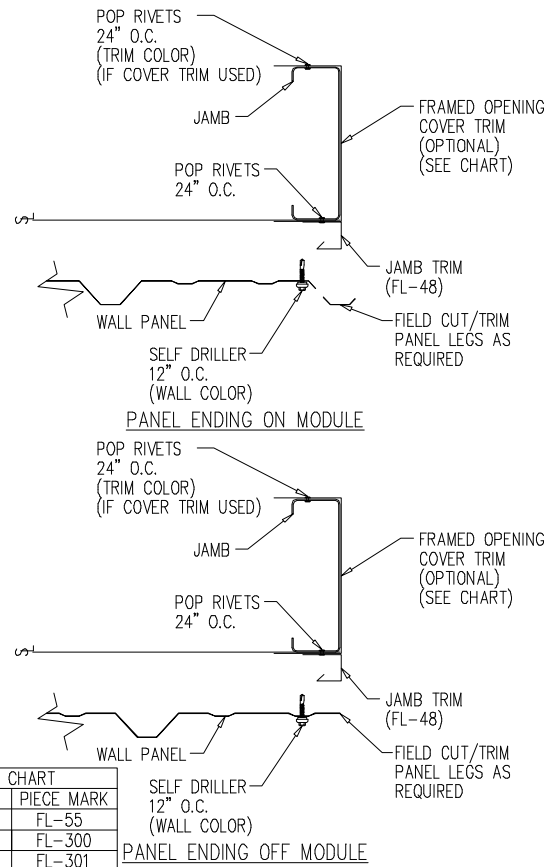
CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	16 OF 20
JOB NUMBER:	94152
SHEET TITLE:	DETAIL DRAWINGS

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.



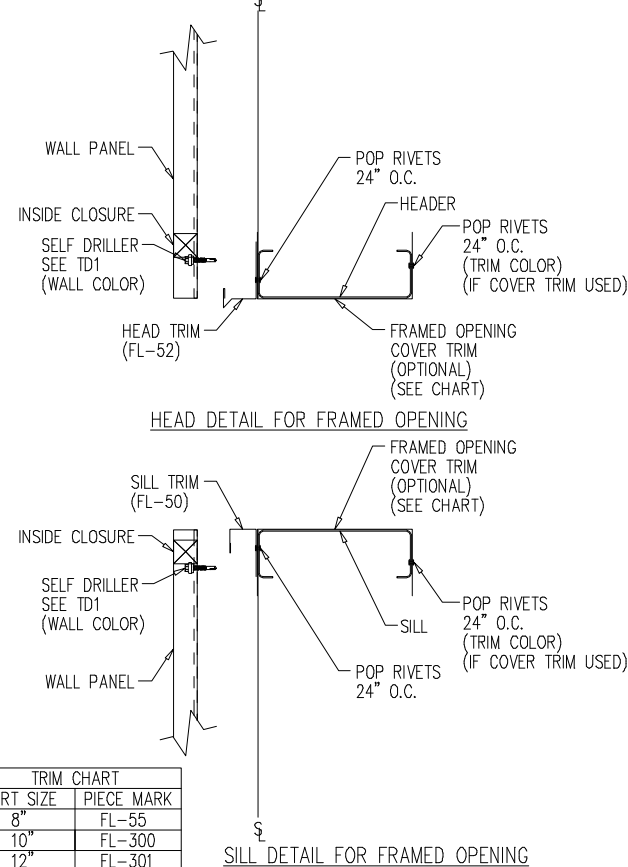
Section at Corner Detail - PBR

DRAWING NO.
TD40



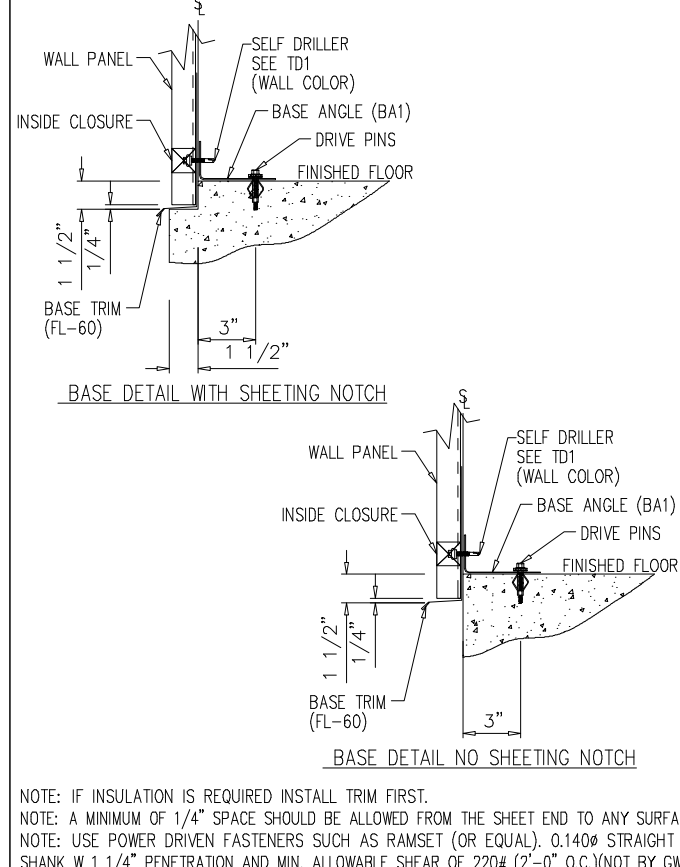
Framed Opening Jamb Detail - PBR

DRAWING NO.
TD51



Framed Opening Head and Sill Details - PBR

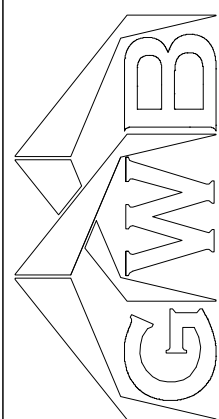
DRAWING NO.
TD52



Base Angle w/Trim Details

DRAWING NO.
TD74

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). 0.140Ø STRAIGHT SHANK W 1 1/4" PENETRATION AND MIN. ALLOWABLE SHEAR OF 220# (2"-0" O.C.)(NOT BY GWB)



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

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	08/13/22	APPROVAL
RTS	AA	12/28/23	PERMIT
RTS	OGR	01/31/24	ERECTION

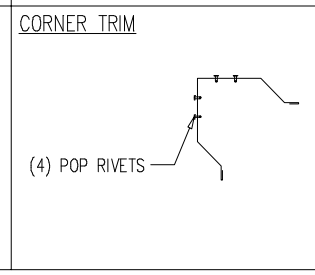
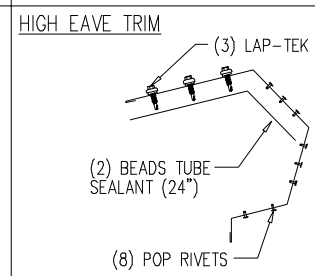
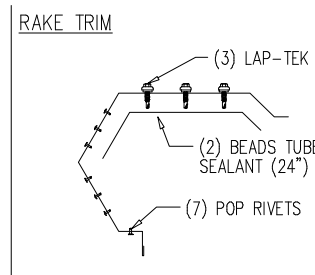
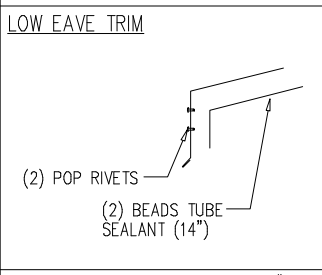
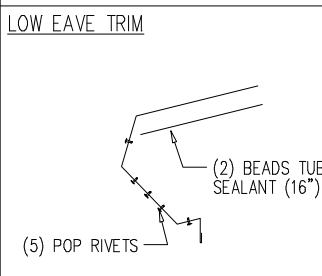
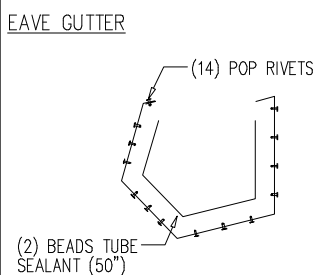
19 OF 20

94152

DETAIL DRAWINGS

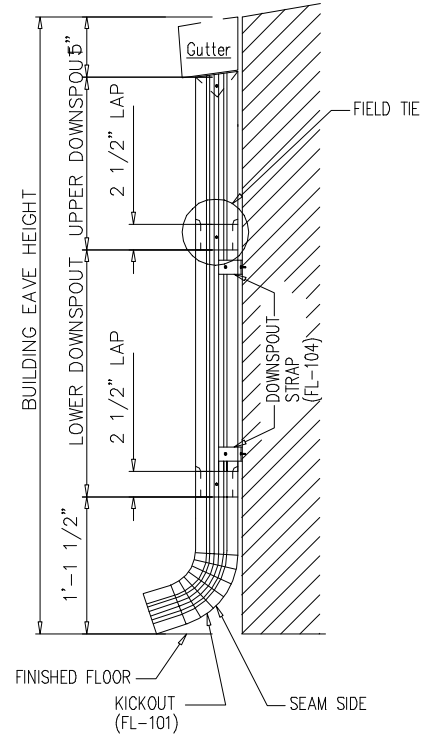
CUSTOMER NAME:	N.T.S.
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	19 OF 20
JOB NUMBER:	94152
SHEET TITLE:	DETAIL DRAWINGS

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.



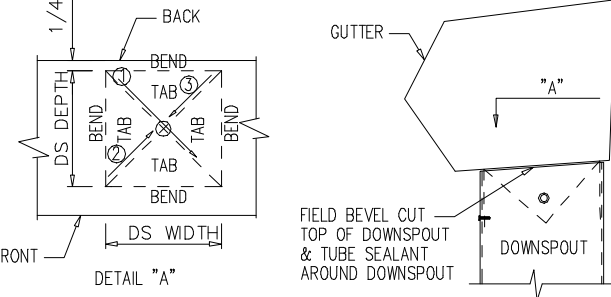
Trim Laps - PBR Sculptured

DRAWING NO.
TD85



Downspout Elevation
3 1/2" x 5 3/8" Roll-Form

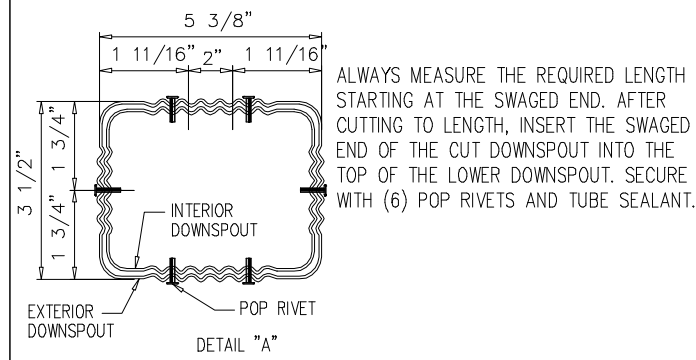
DRAWING NO.
TD90



- STEP 1** REFER TO THE BUILDING ERECTIO DRAWINGS FOR THE LOCATION AN SPACING OF THE DOWNSPOUTS.
- STEP 2** LOCATE ALL DOWNSPOUTS OVER A MAJOR PANEL RIB IF POSSIBLE.
- STEP 3** MAKE A CARBOARD TEMPLATE OF THE DOWNSPOUT SHAPE. PLACE THE TEMPLATE ON THE BOTTOM OF THE GUTTER AND TRACE THE OUTLINE. REMOVE THE TEMPLATE AND DRAW A LINE FROM CORNER TO CORNER, FORMING AN "X" PATTERN.
- STEP 4** DRILL A HOLE AT THE CENTER OF THE "X". USING TIN SNIPS, CUT ALONG THE LINES OF THE "X" ONLY. DO NOT CUT ALONG THE OUTSIDE LINES OF THE DOWNSPOUT SQUARE.
- STEP 5** BEND EACH TRIANGULAR TAB DOWN TOWARD THE GROUND, 90° TO THE BOTTOM OF THE GUTTER.
- STEP 6** POSITION THE TOP OF THE DOWNSPOUT UNDER THE GUTTER. MAKE SURE ALL FOUR GUTTER TABS ARE ON THE INSIDE OF THE DOWNSPOUT.
- STEP 7** INSTALL POP RIVETS THROUGH THE DOWNSPOUT INTO THE GUTTER TAB. ONLY THE TWO SIDES AND THE FRONT OF THE DOWNSPOUT WILL RECEIVE POP RIVETS.

Downspout to Gutter Attachment Detail

DRAWING NO.
TD95



Downspout Kickout and Splice Detail
3 1/2" x 5 3/8" Roll-Form

DRAWING NO.
TD96

NOTE: TUBE SEALANT (NOT BY G.A.B.)

Created On: 08/06/18

Created On: 3/2/12

Revised On: 8/17/17
Created On: 3/2/12

Created On: 3/2/12

