

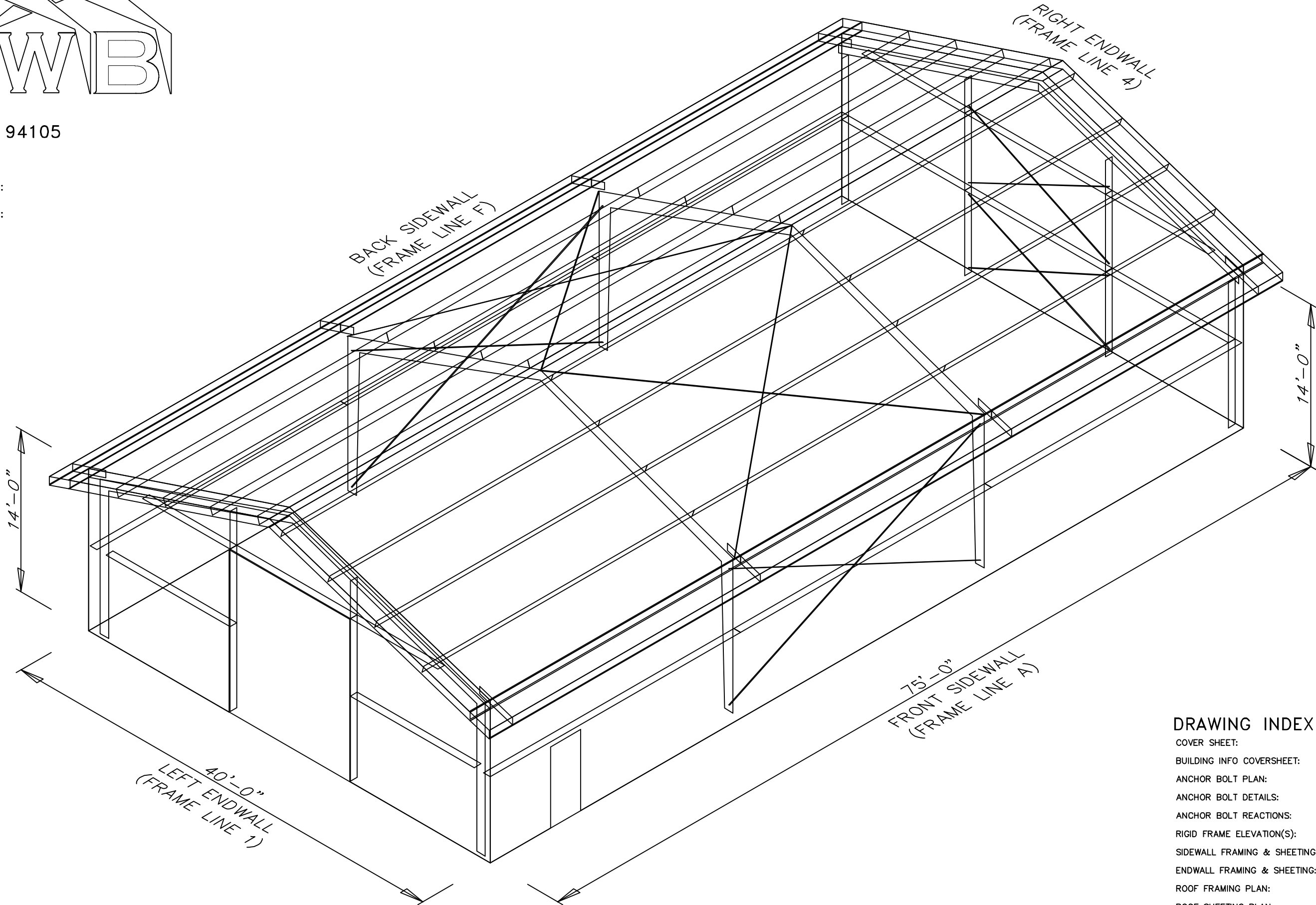
JOB NUMBER: 94105

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
RIGID FRAME ELEVATION(S):	6, 7
SIDEWALL FRAMING & SHEETING:	8, 9
ENDWALL FRAMING & SHEETING:	10, 11
ROOF FRAMING PLAN:	12
ROOF SHEETING PLAN:	13
DETAIL DRAWINGS:	14, 15, 16, 17

GENERAL NOTES			BUILDING LOADS												ENG.
			THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED:												CHK.
			DESIGN LOADS:												DWN.
			DESIGN CODE / WIND CODE : CBC-19/IBC-18												MEZ
			OCCUPANCY / RISK CATEGORY : II-Normal												MEZ
			ENCLOSURE : Closed												MB
			ROOF DEAD LOAD (D) (PSF) : 2.00												JMH
			ROOF COLLATERAL LOAD (C) (PSF) : 1.00												JMH
			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) : 29.16/-31.63												
			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 = 0.581 :S1 = 0.259												
			SPECTRAL RESPONSE COEFFICIENTS : Sds = 0.517 :Sd1 = 0.359												
			SEISMIC DESIGN CATEGORY : D												
			BASIC SEISMIC FORCE RESISTING SYSTEM : STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE												
			TOTAL DESIGN BASE SHEAR, (V) (KIPS) : RIGID FRAMES = 3.25 Ω = 3.00												
			RESPONSE MODIFICATION FACTORS, (R) : SW X-BRACING = 3.25 Ω = 2.00												
			SEISMIC RESPONSE COEFFICIENTS, (Cs) : RIGID FRAMES = 0.1592												
			ANALYSIS PROCEDURE USED : SW X-BRACING = 0.1592												
			OTHER LOADS/REQUIREMENTS : EQUIVALENT LATERAL FORCE PROCEDURE												
			BUILDING DESCRIPTION:												
			WIDTH (FT) : 40.00												
			LENGTH (FT) : 75.00												
			EAVE HEIGHT AT BSW (FT) : 14.00												
			EAVE HEIGHT AT FSW (FT) : 14.00												
			ROOF SLOPE AT BSW : 4.0:12												
			ROOF SLOPE AT FSW : 4.0:12												
			BAY SPACING (FT) : 3 AT 25.00												
			COVERING AND TRIMS:												
			ROOF PANELS & TRIMS												
			PANEL TYPE : 26 GA. PBR												
			PANEL COLOR : DESERT SAND												
			TRIM COLORS												
			GABLE/EAVE : BURNISHED SLATE												
			EAVE GUTTER : N/A												
			WALL PANELS & TRIMS												
			PANEL TYPE : 26 GA. PBR												
			PANEL COLOR : RUSTIC RED												
			TRIM COLORS												
			CORNER : BURNISHED SLATE												
			FRAMED OPENING : BURNISHED SLATE												
			DOWNSPOUTS : N/A												
			BASE : RUSTIC RED												
			SOFFIT PANELS & TRIMS												
			PANEL TYPE : 26 GA. PBR												
			PANEL COLOR : RUSTIC RED												
			TRIM COLORS : RUSTIC RED												
			INSULATION												
			ROOF INSULATION : N/A												
			WALL INSULATION : N/A												
			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.												

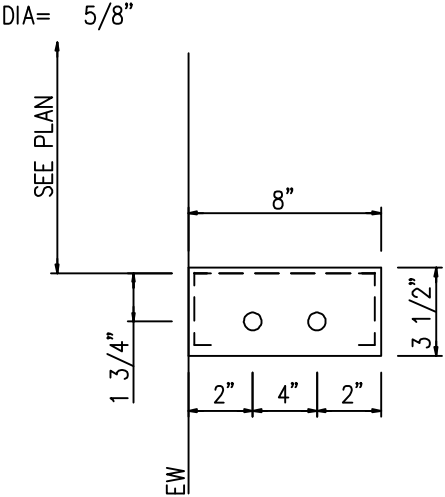
1.1 FABRICATION SHALL BE IN ACCORDANCE WITH METAL BUILDING SUPPLIER, STANDARD PRACTICES IN COMPLIANCE WITH THE APPLICABLE SECTIONS, RELATING TO DESIGN REQUIREMENTS AND ALLOWABLE STRESSES OF THE LATEST EDITION OF THE "AWS STRUCTURAL WELDING CODE D1.1 AND D1.3".			2.6 THE BUYER/END USE CUSTOMER IS RESPONSIBLE 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)		
1.2 MATERIALS			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.		
1.3 PRIMER			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.)		
1.4 GALVANIZED OR SPECIAL COATINGS:			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 RELATIONTO 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 CONSTRUCTIONOF 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)		
1.5 ALL BOLTS ARE 1/2"ø x 0'-1 1/4" A307 EXCEPT :			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 CORRECTON TO BE USED BY OTHERS. (AISIC CODE OF STANDARD PRACTICE LATEST EDITION)		
1.6 A325 BOLT TIGHTENING REQUIREMENTS			2.11 NEITHER THE FABRICATOR NOR THE BUYER/END USE CUSTOMER WILL CUT, DRILL OR OTHERWISE ALTER 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)		
1.7 CLOSURE STRIPS ARE FURNISHED (IF ORDERED) FOR APPLICATION:			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.		
1.8 ERECTION NOTE:			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 SRTOONGLY 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.		
1.9 ERECTION AND UNLOADING NOT BY G.W.B.			2.14 ROOF DRAINAGE SYSTEMS (GUTTER, DOWNSPOUTS, ETC.) MUST BE FREE OF ANY OBSTRUCTION TO ENSURE SMOOTH OPERATION AT ANY GIVEN TIME.		
1.10 SHORTAGES			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.		
1.11 CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)					

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								

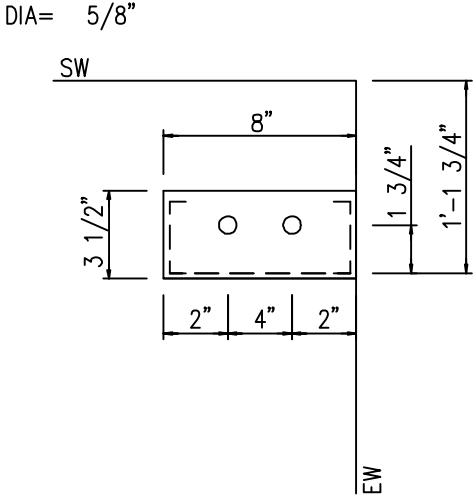
2.1 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO OBTAIN APPROPRIATE APPROVALS AND SECURE NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES AS REQUIRED, AND TO ADVISE/RELEASE M.B.S. TO FABRICATE UPON RECEIVING SUCH.		
2.2 METAL BUILDING SUPPLIER (HEREAFTER REFERRED TO AS M.B.S.)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

CUSTOMER NAME:			PROJECT NAME:			PROJECT LOCATION:			PROJECT COUNTY:			PROJECT END USE:			CUSTOMER PHONE NUMBER:			CUSTOMER EMAIL:			SCALE: N.T.S.			SHEET NUMBER:			JOB NUMBER:			SHEET TITLE:		
																								2 OF 17			94105			BUILDING INFO COVERSHEET		

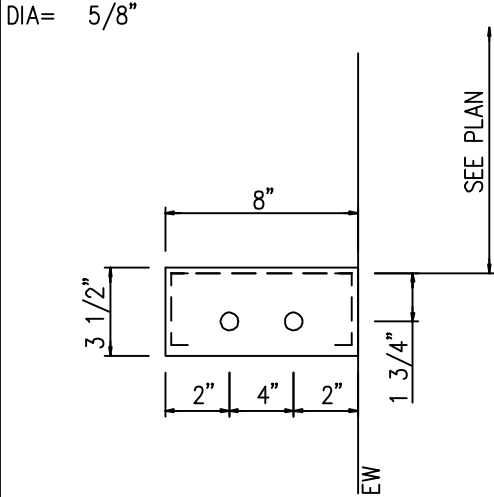




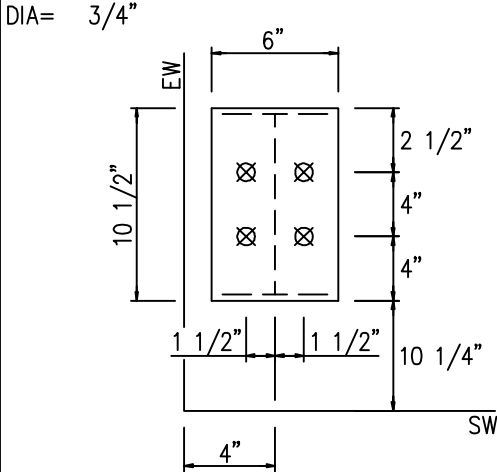
DETAIL A



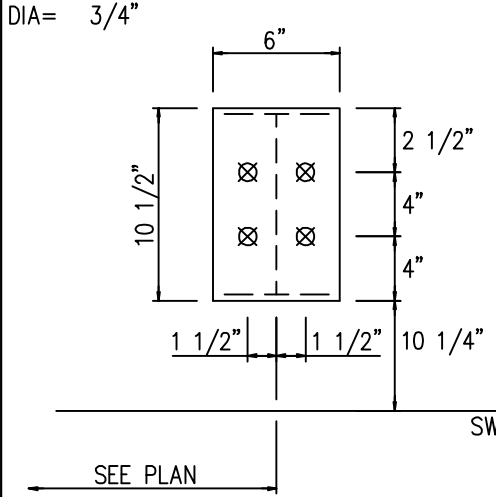
DETAIL B



DETAIL C



DETAIL D



DETAIL E

NOTE:

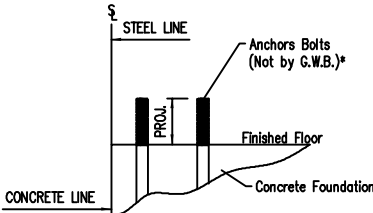
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. G.W.B. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

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

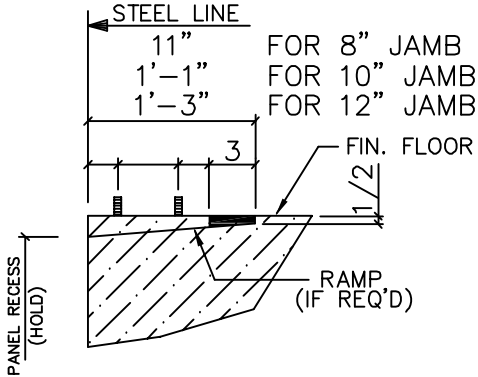
DEVELOPMENT, EMBEDMENT AND HOOK LENGTH OF ANCHOR BOLTS IN THE CONCRETE ARE DESIGN RESPONSIBILITY OF OTHERS. ALSO DESIGN OF SHEAR ANGLES, TENSION PLATES, HAIRPINS, AND ANY OTHER EMBEDDED MATERIAL IN THE CONCRETE SHALL BE DESIGNED AND PROVIDED BY OTHERS.

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

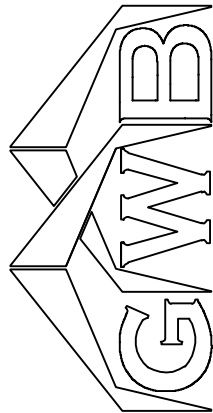
Anchor Bolt Diameter	Projection
1/2"	1 1/2"
5/8"	2"
3/4"	2 1/2"
7/8"	3 1/2"
1"	3 1/2"
1 1/8"	3 1/2"
1 1/4"	3 1/2"



### CONCRETE NOTCH AND ANCHOR BOLT PROJECTION



## CONCRETE DETAIL AT OVERHEAD DOOR

[illegible]

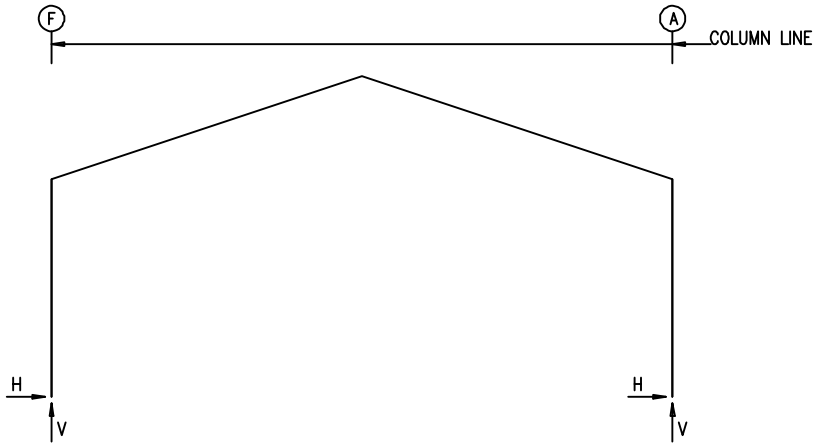
3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER: 4 OF 17	
JOB NUMBER 94105	

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.

FRAME LINES:

1 2 3



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

Frm Line	Col Line	Column_Reactions(k )						Bolt(in)		Base_Plate(in)			Grout (in)
		Load ld	Hmax H	V Vmax	Load ld	Hmin H	V Vmin	QTY	DIA	Width	Length	Thick	
1	F	1	2.3	7.9	5 3	-1.9 -1.8	-2.3 -3.8	4	0.750	6.000	10.50	0.375	0.0
1	A	6 1	1.9 -2.3	-2.3 7.9	1 4	-2.3 1.8	7.9 -3.8	4	0.750	6.000	10.50	0.375	0.0

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

Frm Line	Col Line	Column_Reactions(k )						Bolt(in)		Base_Plate(in)		Thick	Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	QTY	DIA	Width	Length		
2*	F	1	4.2	13.2	5	-3.3 -3.2	-4.0 -6.7	4	0.750	6.000	10.50	0.375	0.0
2*	A	6 1	3.3 -4.2	-4.0 13.2	1 4	-4.2 3.2	13.2 -6.7	4	0.750	6.000	10.50	0.375	0.0

2\* FRAME lines: 2 3

## RIGID FRAME: BASIC COLUMN REACTIONS (k )

FRAME	Column	-----Dead-----		-----Collateral-----		-----Live-----		-----Wind_Left1-----		-----Wind_Right1-----		-----Wind_Left2-----	
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	F	0.3	1.1	0.1	0.3	1.9	6.5	-3.2	-7.5	0.8	-4.8	-3.4	-4.9
1	A	-0.3	1.1	-0.1	0.3	-1.9	6.5	-0.8	-4.8	3.2	-7.5	-0.6	-2.2
2*	F	0.5	1.6	0.2	0.6	3.6	11.0	-5.8	-12.8	1.0	-8.1	-6.0	-8.4
2*	A	-0.5	1.6	-0.2	0.6	-3.6	11.0	-1.0	-8.1	5.8	-12.8	-0.8	-3.7

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	F	0.6	-2.2	0.5	-5.4	-0.2	-4.9	-0.4	-0.3	0.4	0.3	0.0	0.0
1	A	3.4	-4.9	0.2	-4.9	-0.5	-5.4	-0.4	0.3	0.4	-0.3	0.0	0.0
2*	F	0.8	-3.7	0.7	-10.9	-0.6	-10.0	-0.6	-0.4	0.6	0.4	0.0	-1.0
2*	A	6.0	-8.4	0.6	-10.0	-0.7	-10.9	-0.6	0.4	0.6	-0.4	0.0	-1.0

```
2*  FRAME lines:      2 3
```

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k )

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Wind_Left1 Horz Vert	Wind_Right1 Horz Vert	Wind_Left2 Horz Vert	Wind_Right2 Horz Vert	Wind Press	Wind Suc Horz Vert
1	D	0.1	0.0	0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	-2.6	2.9
1	C	0.1	0.0	0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	-2.6	2.9
4	A	0.3	0.1	2.2	0.0 -3.6	0.0 -2.9	0.0 -2.5	0.0 -1.7	-1.0	1.2
4	B	0.6	0.2	4.2	-1.8 -7.5	0.0 -1.1	-1.8 -6.0	0.0 0.3	-2.6	2.9
4	E	0.6	0.2	4.2	0.0 -1.1	1.8 -7.5	0.0 0.3	1.8 -6.0	-2.6	2.9
4	F	0.3	0.1	2.2	0.0 -2.9	0.0 -3.6	0.0 -1.7	0.0 -2.5	-1.0	1.2

Frm	Lne	Wind_Long1		Wind_Long2		Seis_Left		Seis_Right	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	A	0.0	-3.0	0.0	-2.0	0.0	0.1	0.0	0.0
4	B	0.0	-3.5	-1.1	-4.2	-0.9	-1.1	0.0	1.1
4	E	1.1	-4.2	0.0	-3.5	0.0	1.1	0.9	-1.1
4	F	0.0	-2.0	0.0	-3.0	0.0	0.0	0.0	0.1

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	D	7	1.7	0.1	8	-1.6	0.1	2	0.625	3.500	8.000	0.250	0.0
		2	0.0	0.1									
1	C	7	1.7	0.1	8	-1.6	0.1	2	0.625	3.500	8.000	0.250	0.0
		2	0.0	0.1									
4	A	9	0.7	-2.0	10	-0.6	-1.6	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	2.7	9	0.7	-2.0						
4	B	9	1.7	-4.1	8	-1.6	-2.2	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	5.1	9	1.7	-4.1						
4	E	11	1.7	-4.1	10	-1.6	-2.2	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	5.1	11	1.7	-4.1						
4	F	11	0.7	-2.0	8	-0.6	-1.6	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	2.7	11	0.7	-2.0						

## NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	40.00
Length (ft)	=	75.00
Eave Height (ft)	=	14.00/14.00
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)	=	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)	=	0.78

ID	Description
----	-------------

- 1 Dead+Collateral+Live
- 2 Dead+Collateral+0.75Snow+0.45Wind\_Long2L+0.75Slide\_Snow
- 3 0.6Dead+0.6Wind\_Left1
- 4 0.6Dead+0.6Wind\_Right1
- 5 0.6Dead+0.6Wind\_Left2
- 6 0.6Dead+0.6Wind\_Right2
- 7 0.6Dead+0.6Wind\_Right2+0.6Wind\_Suction
- 8 0.6Dead+0.6Wind\_Pressure+0.6Wind\_Long2L
- 9 0.6Dead+0.6Wind\_Left1+0.6Wind\_Suction
- 10 0.6Dead+0.6Wind\_Pressure+0.6Wind\_Long1L
- 11 0.6Dead+0.6Wind\_Right1+0.6Wind\_Suction

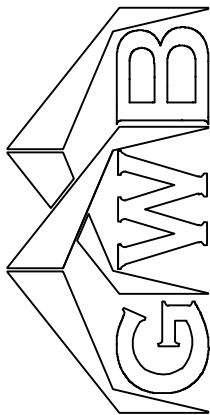
## BUILDING BRACING REACTIONS

Wall			Reactions(k)				Panel Shear		Note
Loc	Line	Col	Wind	Seismic	Wind	Seis	(lb/ft)		
			Horz	Vert	Horz	Vert			
L_EW	1							(h)	
F_SW	A	2,3	3.4	1.7	2.1	1.0			
R_EW	4	B,E	1.8	2.1	0.9	1.0			
B_SW	F	3,2	3.4	1.7	2.1	1.0			

(h) Rigid frame at endwall

## ANCHOR BOLT SUMMARY

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

[illegible]

30333 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 17
JOB NUMBER	94105

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.

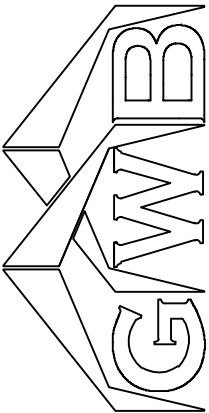
SPLICE BOLT TABLE						
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length
SP-1	4	4	0	A325	5/8"	2"
SP-2	4	4	0	A325	5/8"	1 3/4"

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

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	
	Start	End	Thick	Length	W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	10.0	10.0	0.135	12'-4 3/8"	5 x 1/4" x 13'-6 1/16"	5 x 1/4" x 12'-7 3/8"
RF1-2	10.0	10.0	0.250	1'-5 1/8"	5 x 1/4" x 1'-9 1/2"	
	10.0	10.0	0.135	19'-5 1/4"	5 x 1/4" x 19'-1 13/16"	5 x 1/4" x 19'-1 13/16"

MEMBER TABLE		
Mark	Part	Length
EB-2	W8X10	3'-9 5/8"
EB-7	W8X10	3'-9 5/8"

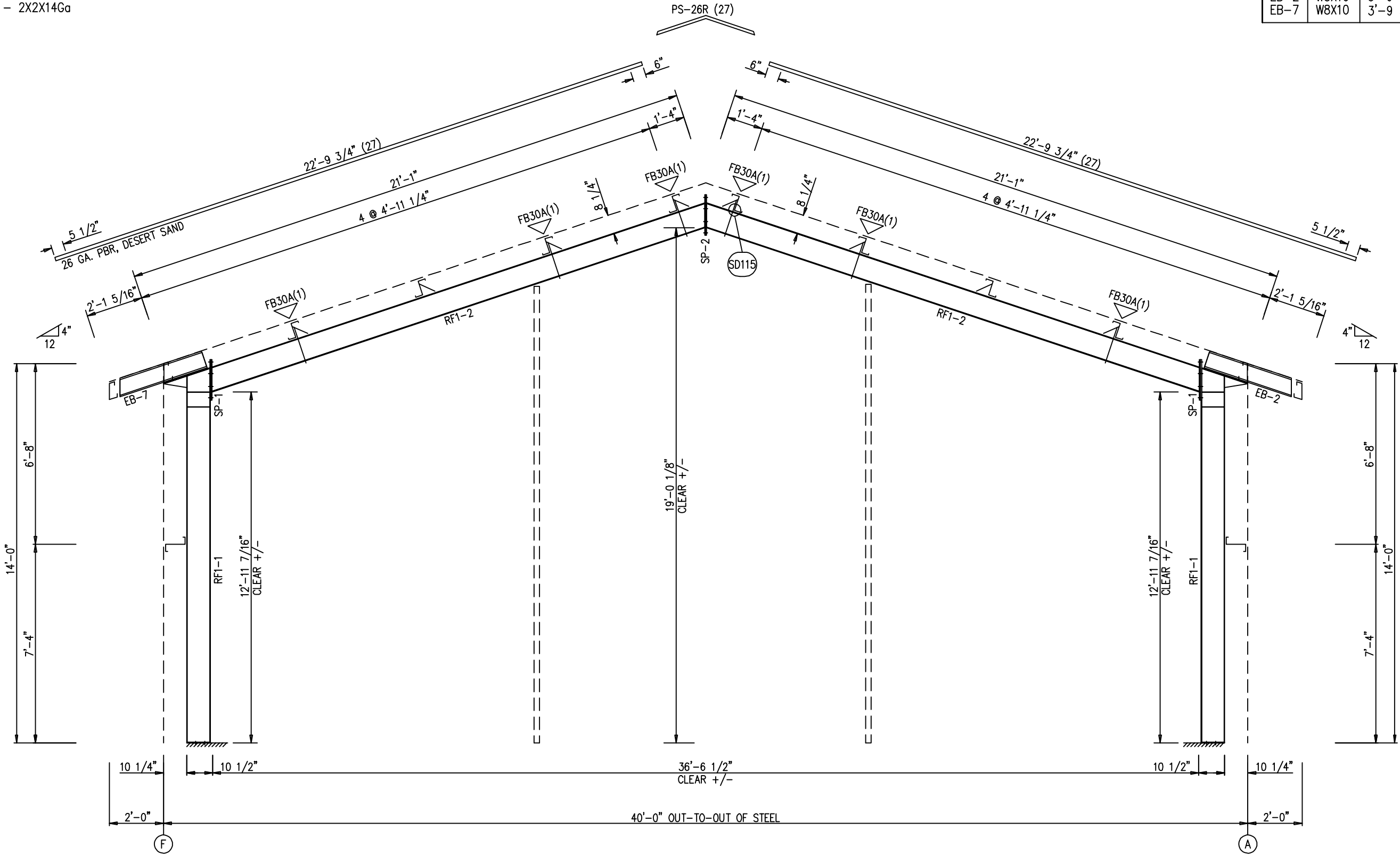
ENG.	RTS	RTS	RTS																	
CHK.	MEZ	CAF	JMH																	
DWN.	MEZ	MB	JMH																	
DATE	04/20/22	08/25/22	02/15/23																	
ISSUE	APPROVAL	PERMIT	ERECTION																	



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:	6 OF 17
JOB NUMBER:	94105
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.



RIGID FRAME ELEVATION: FRAME LINE 1





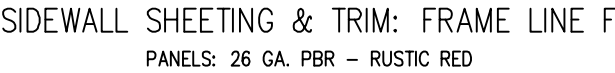
PANELS: 26 GA. PBR – RUSTIC RED

CONNECTION PLATES FRAME LINE A		
<input type="checkbox"/> ID	QUAN	MARK
1	2	CL-200

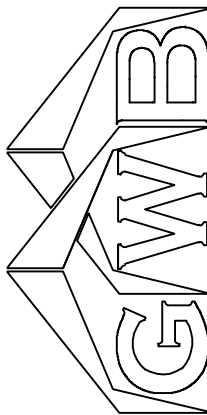
[illegible]

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	8 OF 17
JOB NUMBER	94105

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.



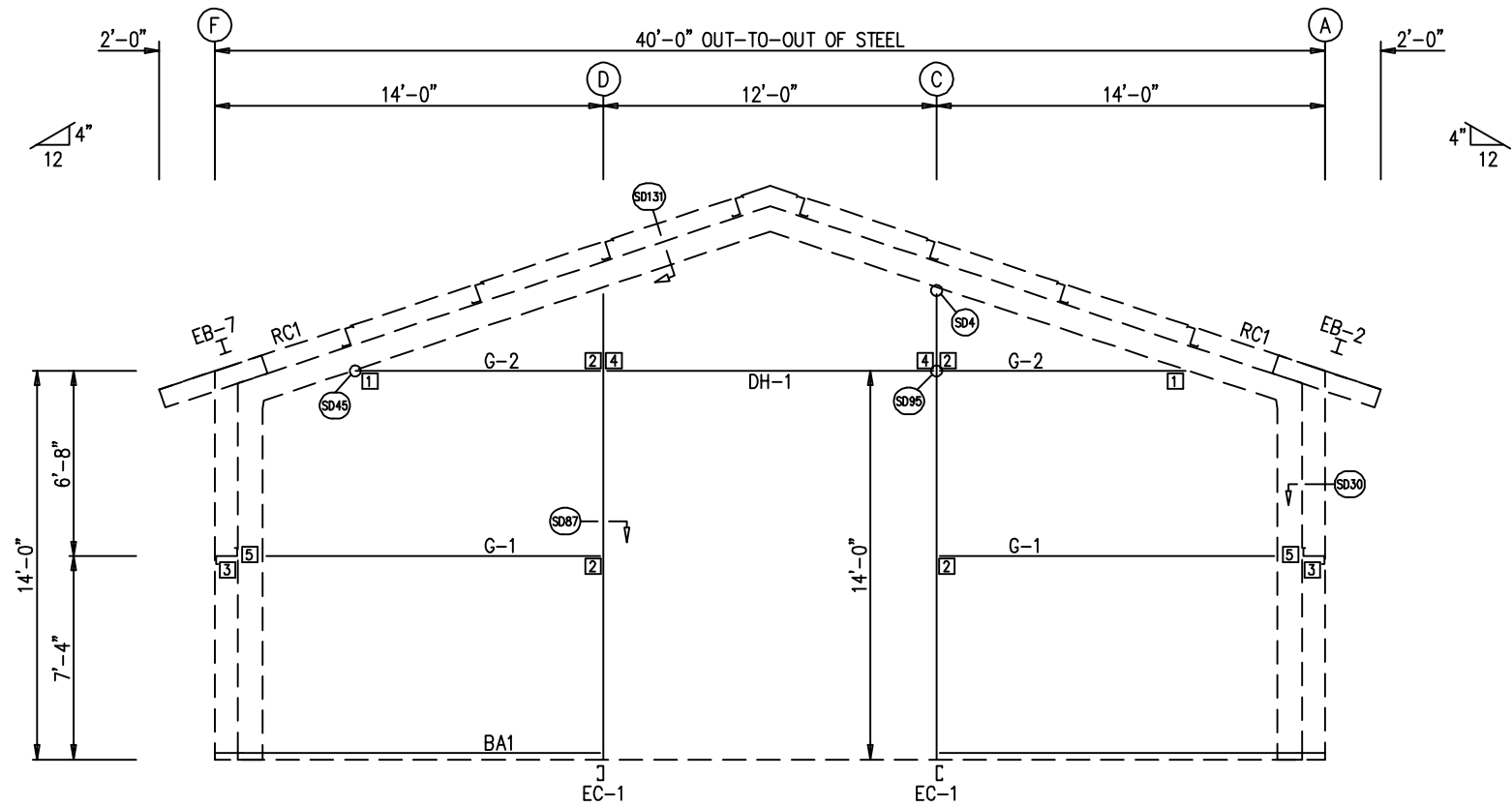
MEMBER TABLE			
FRAME LINE F			
QUAN	MARK	PART	LENGTH
1	E-1	L08E16-4	23'-11 13/16"
1	E-2	L08E16-4	24'-3 13/16"
1	E-3	L08E16-4	24'-3 11/16"
2	E-6	L08E16-4	1'-11 11/16"
1	G-6	10X25Z14	27'-1 1/2"
1	G-7	10X25Z16	29'-3 1/2"
1	G-8	10X25Z14	27'-1 1/2"
2	CB-3	RD0500	28'-6 1/2"

[illegible]

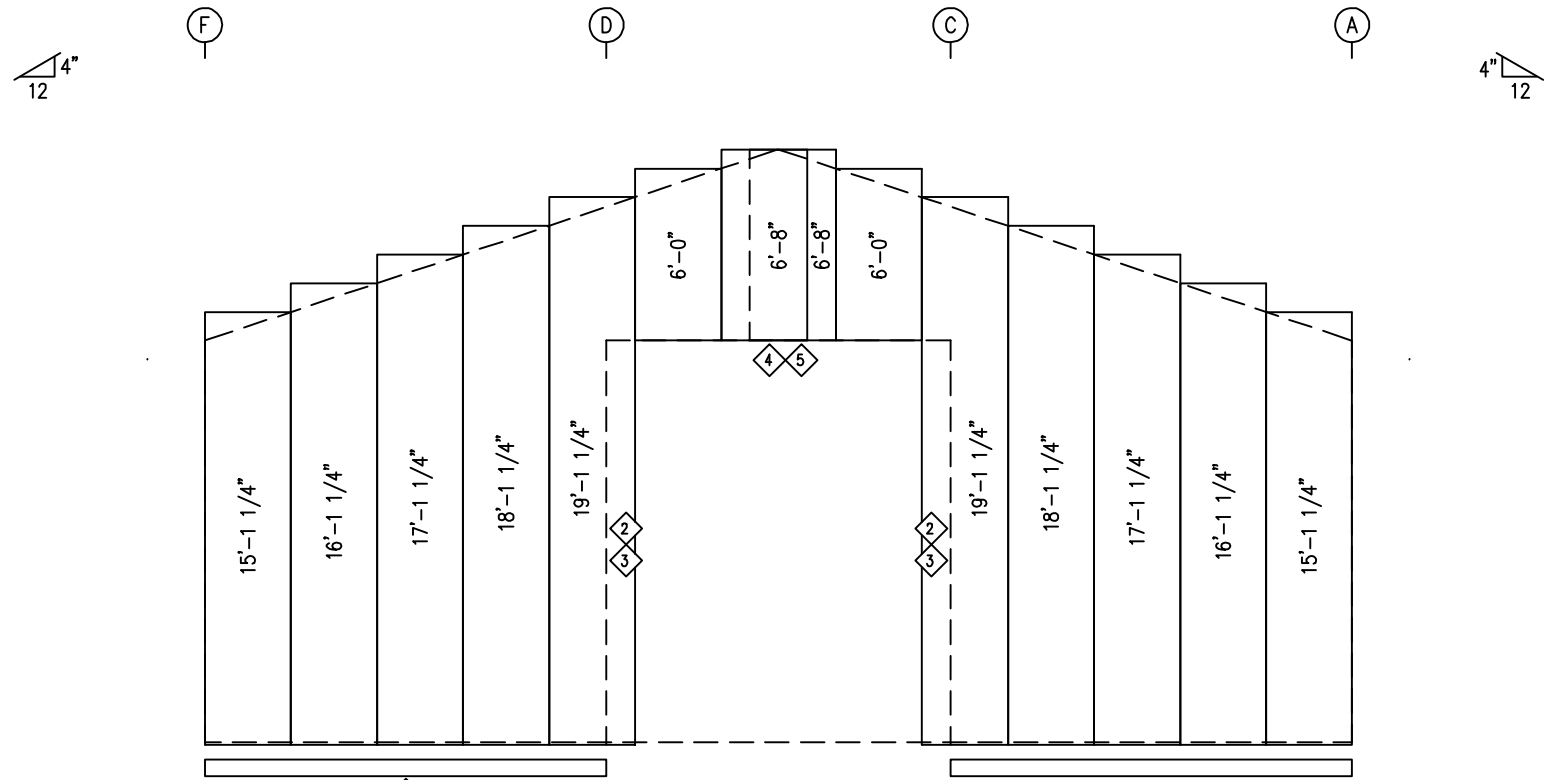
3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	9 OF 17
JOB NUMBER	94105

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

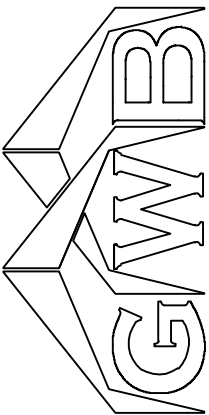
PANELS: 26 GA. PBR - RUSTIC RED

TRIM TABLE					ENG.
FRAME LINE 1					RTS
◇ID	QUAN	PART	LENGTH	DETAIL	CHK.
1	3	FL-60	10'-2"	TD74	MEZ
2	2	FL-55	14'-3"	TD51	CAF
3	2	FL-48	14'-2"	TD51	RTS
4	1	FL-55	12'-7"	TD52	RTS
5	1	FL-52	12'-4"	TD52	RTS

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE			
FRAME LINE 1			
QUAN	MARK	PART	LENGTH
1	EB-2	W8X10	3'-9 5/8"
1	EB-7	W8X10	3'-9 5/8"
2	EC-1	8x25C12	16'-11 1/2"
1	DH-1	8x25C16	11'-11 1/2"
2	G-1	8X25Z16	11'-10 7/8"
2	G-2	8X25Z16	8'-5 3/8"

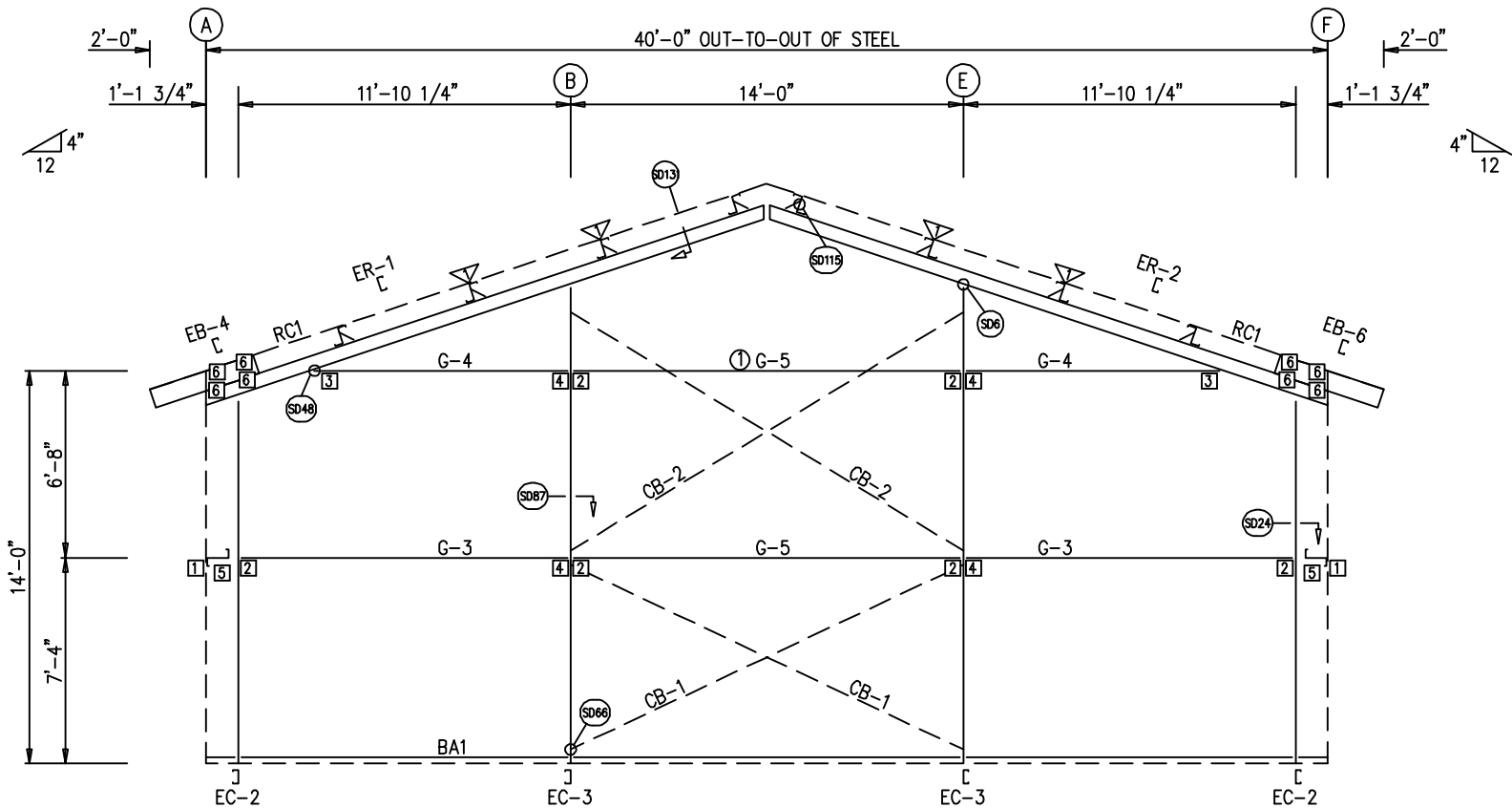
CONNECTION PLATES		
FRAME LINE 1		
◇ID	QUAN	MARK
1	2	CL-109E
2	4	CL-103
3	2	CL-5
4	2	CL-100
5	2	4" ZEE - 9"



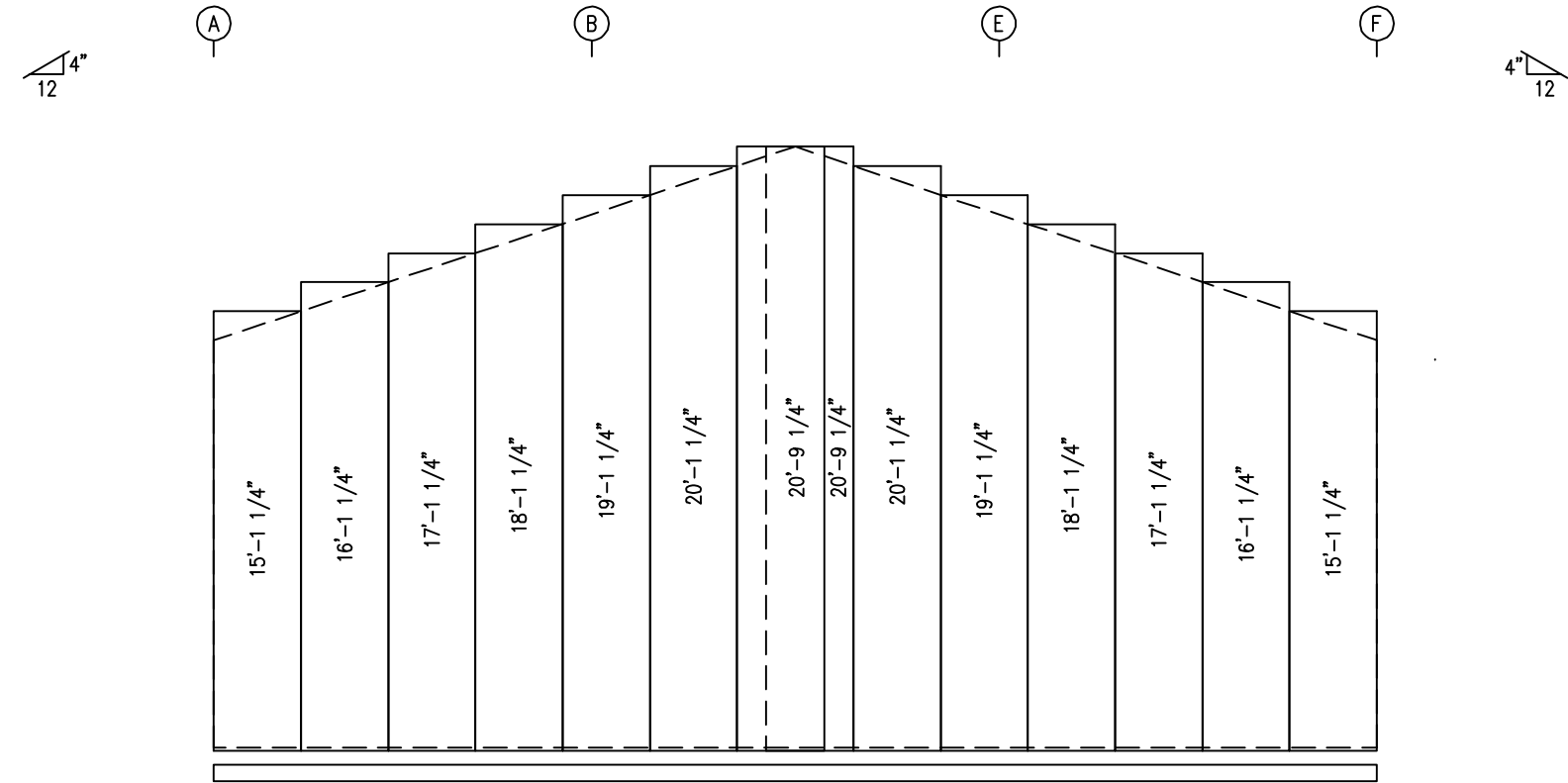
3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	10 OF 17
JOB NUMBER:	94105
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 4



ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 GA. PBR - RUSTIC RED

TRIM TABLE FRAME LINE 4					ENG.	RTS	RTS	RTS												
◇ID	QUAN	PART	LENGTH	DETAIL	CHK.	MEZ	CAF	JMH												
1	4	FL-60	10'-2"	TD74																

BOLT TABLE FRAME LINE 4					DATE	DWN.	MEZ	MB	JMH											
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 4				ISSUE	APPROVAL	PERMIT	ERECTION													
QUAN	MARK	PART	LENGTH																	
1	EB-4	8x25C16	4'-4 1/16"																	
1	EB-6	8x25C16	4'-4 1/16"																	
2	EC-2	8x25C16	12'-10 11/16"																	
2	EC-3	8x25C12	16'-10 1/8"																	
1	ER-1	8x25C12	21'-0 3/4"																	
1	ER-2	8x25C12	21'-0 3/4"																	
2	G-3	8X25Z16	11'-5 7/8"																	
2	G-4	8X25Z16	8'-1 1/4"																	
2	G-5	8X25Z16	13'-11 1/2"																	
2	CB-1	RD0500	15'-10 1/4"																	
2	CB-2	RD0500	16'-10 1/4"																	

FIELD WORK TABLE FRAME LINE 4																				
OID	DETAIL	DIMENSION 1	DIMENSION 2																	
1	SD202	3'-9 7/16"	10'-2 1/16"																	

CONNECTION PLATES FRAME LINE 4																				
□ID	QUAN	MARK																		
1	2	CL-211																		
2	6	CL-100																		
3	2	CL-109E																		
4	4	CL-103																		
5	2	CL-5																		
6	8	CL-204																		

FLANGE BRACE TABLE FRAME LINE 4																				
▽ID	QUAN	MARK																		
1	4	FB29.3																		

CUSTOMER NAME:

PROJECT NAME:

PROJECT LOCATION:

PROJECT COUNTY:

PROJECT END USE:

CUSTOMER PHONE NUMBER:

CUSTOMER EMAIL:

SCALE: N.T.S.

SHEET NUMBER:

JOB NUMBER:

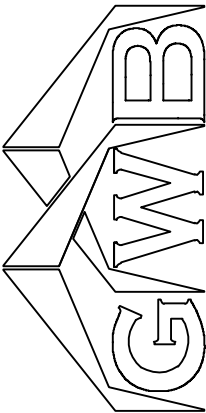
SHEET TITLE:

11 OF 17

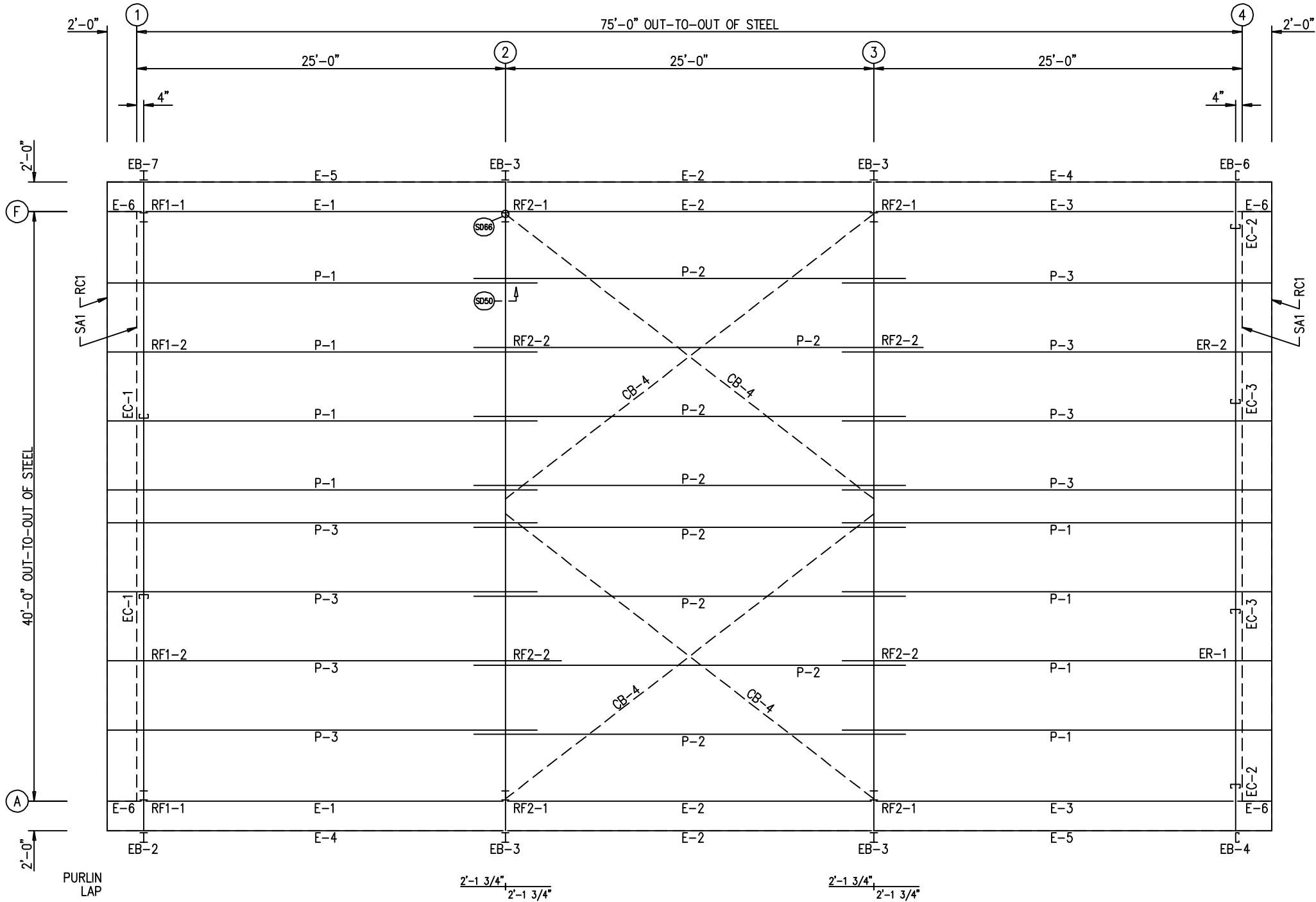
94105

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.



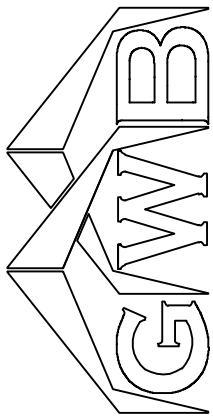
3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM



ROOF FRAMING PLAN

BOLT TABLE					ENG.	RTS	RTS	RTS											
ROOF PLAN					CHK.	MEZ	CAF	JMH											
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		10	A325	5/8"	1 1/2"														
EB-6		10	A325	5/8"	1 1/2"														
EB-7		4	A325	5/8"	1 1/2"														

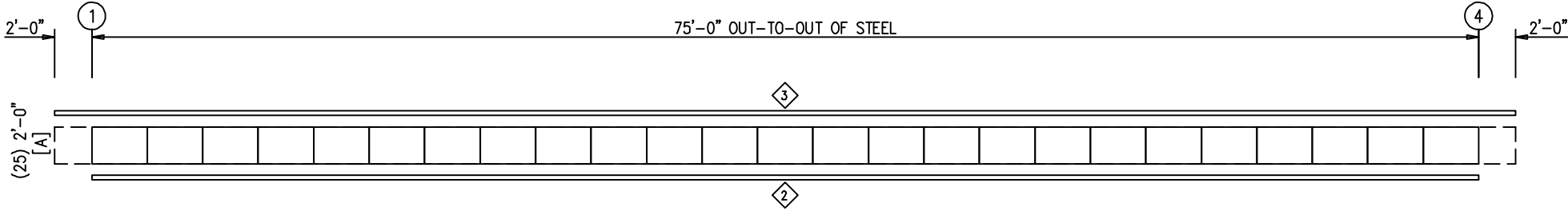
MEMBER TABLE			
ROOF PLAN			
QUAN	MARK	PART	LENGTH
1	EB-2	W8X10	3'-9 5/8"
4	EB-3	W8X10	4'-1 7/8"
1	EB-4	8x25C16	4'-4 1/16"
1	EB-6	8x25C16	4'-4 1/16"
1	EB-7	W8X10	3'-9 5/8"
8	P-1	8X25Z14	29'-1 1/2"
8	P-2	8X25Z14	29'-3 1/2"
8	P-3	8X25Z14	29'-1 1/2"
2	E-1	L08E16-4	23'-11 13/16"
4	E-2	L08E16-4	24'-3 13/16"
2	E-3	L08E16-4	24'-3 11/16"
2	E-4	L08E16-4	26'-7 11/16"
2	E-5	L08E16-4	26'-7 11/16"
4	E-6	L08E16-4	1'-11 11/16"
4	CB-4	RD0500	31'-1 3/4"



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:	12 OF 17
JOB NUMBER:	94105
SHEET TITLE:	ROOF FRAMING 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.

[illegible]

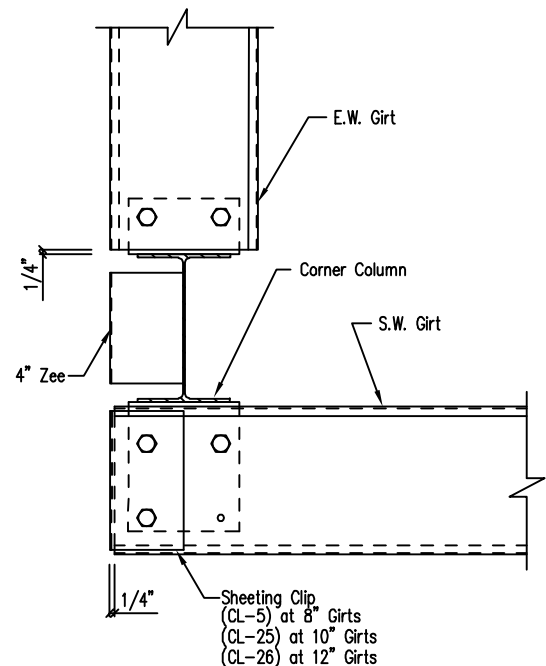
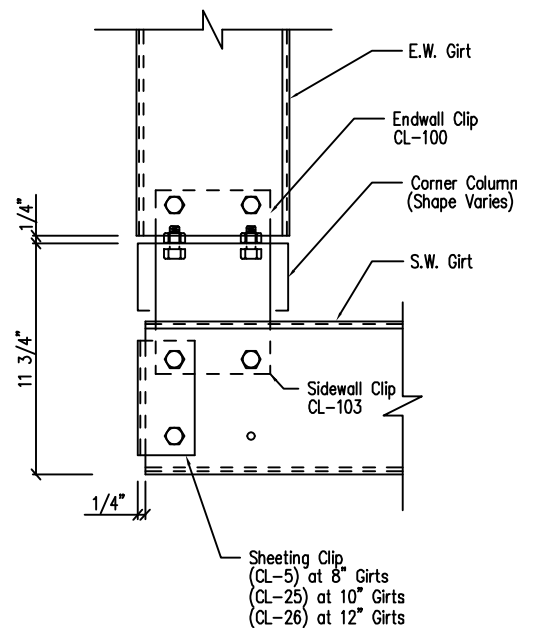
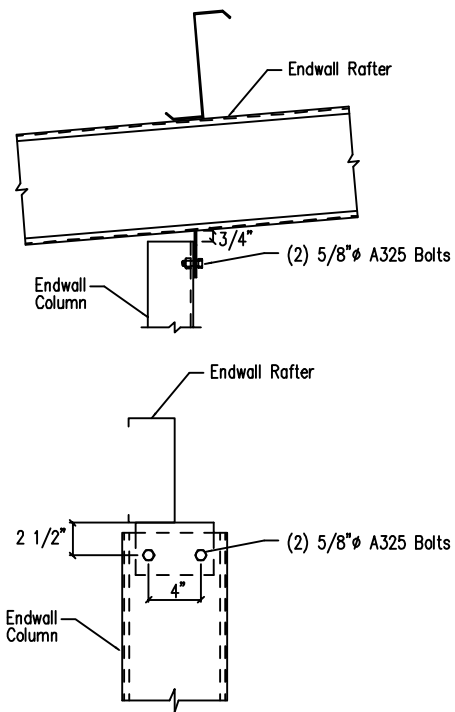
3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	13 OF 17
JOB NUMBER	94105

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.

PANELS: 26 GA. PBR - DESERT SAND  
[A] SOFFIT PANELS: 26 GA. PBR - RUSTIC RED

# ROOF SHEETING PLAN



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.

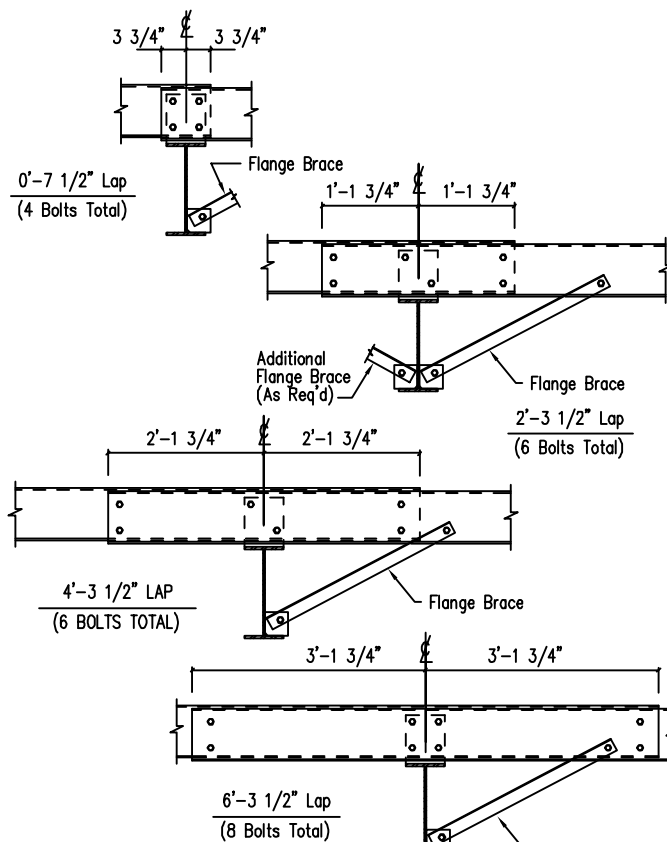
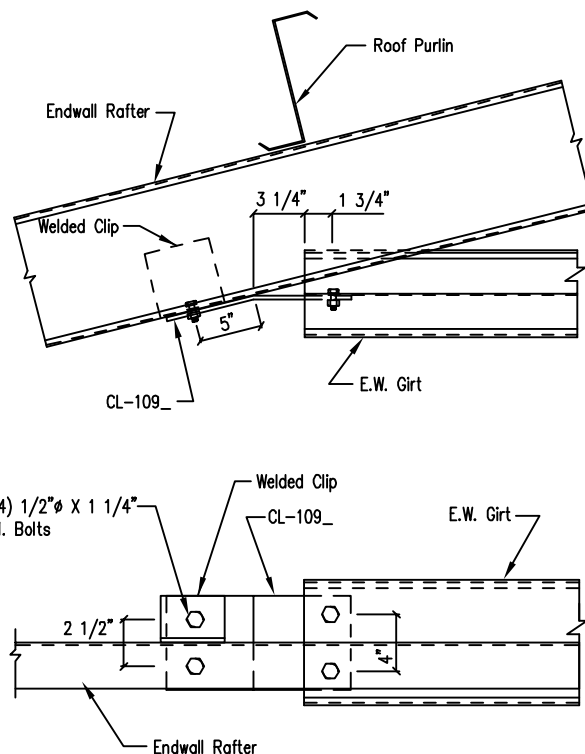
Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

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

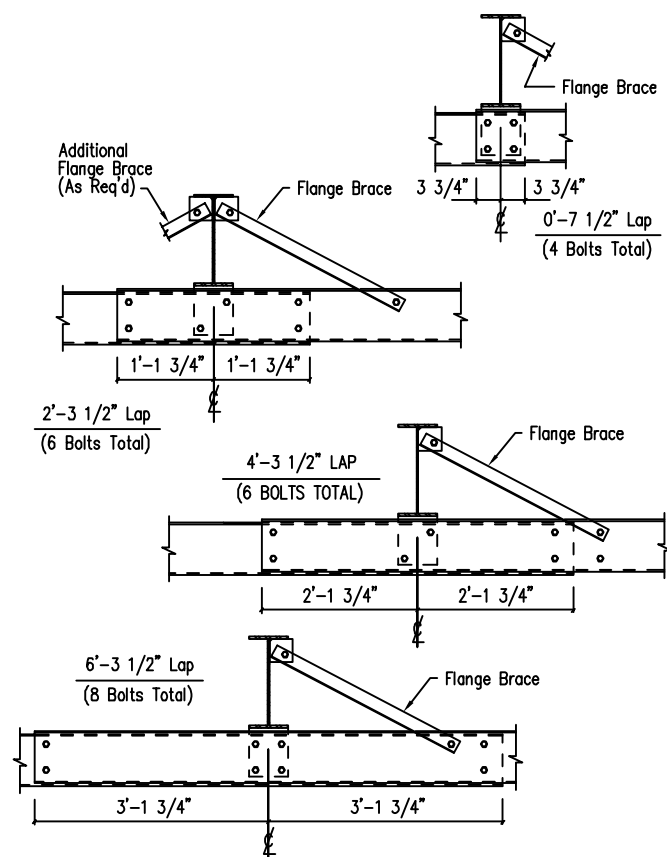
14 OF 17

94105

## DETAIL DRAWINGS



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

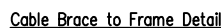


Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

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

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 Bolts are  $1/2"$  x  $1\ 1/4"$   
A307 M. Bolts

CL-103 Clip

4"

Door Jamb

Wall Girt

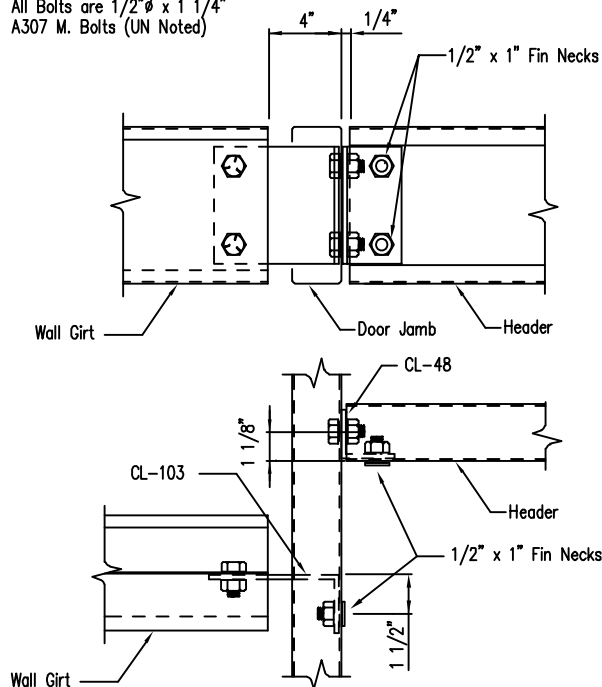
CL-103

$1\ 1/2"$

$1/2"$  x  $1"$  Fin Necks

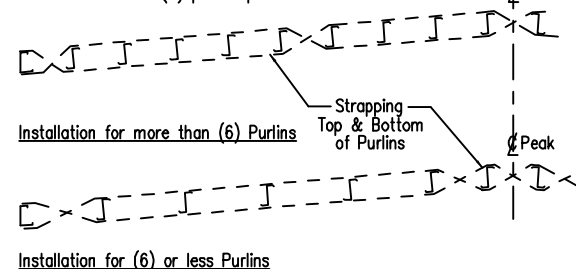
ERECTOR NOTE: IF CLIP BOXES ON BUILDING ELEVATION VIEW(S) ARE BELOW THE INTENDED GIRT LINE, THE CLIP(S) IN REFERENCE ARE TOED DOWN. IF ABOVE THE GIRT LINE, THEN TOED UP. THE DRAWINGS ABOVE ARE TOED DOWN FOR REFERENCE.

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



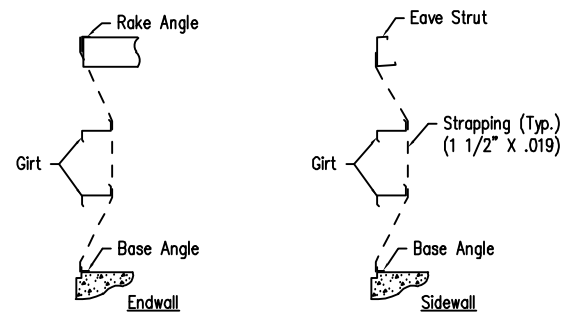
ERECTOR NOTE: IF CLIP BOXES ON BUILDING ELEVATION VIEW(S) ARE BELOW THE INTENDED GIRT LINE, THE CLIP(S) IN REFERENCE ARE TOED DOWN. IF ABOVE THE GIRT LINE, THEN TOED UP. THE DRAWINGS ABOVE ARE TOED DOWN FOR REFERENCE.

Note: No more than (4) purlin spaces before criss-cross.



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)

### Cable or Rod Brace to Frame Connection

DRAWING NO.  
SD66

Girt to Jamb (Bolted Clips)

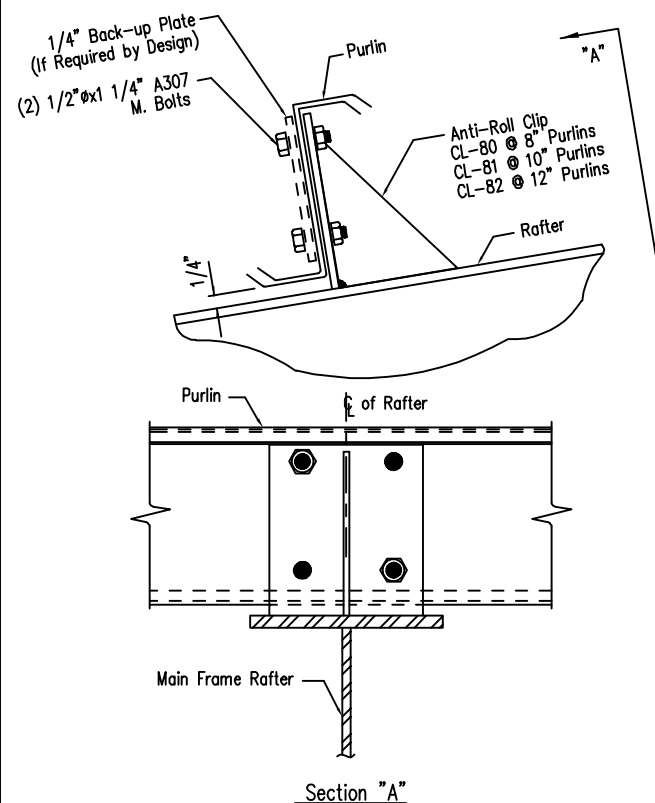
DRAWING NO.  
SD87

Girt/Header to Jamb

DRAWING NO.  
SD95

### Roof Uplift and Wall Suction Strap Details

DRAWING NO.  
SD102

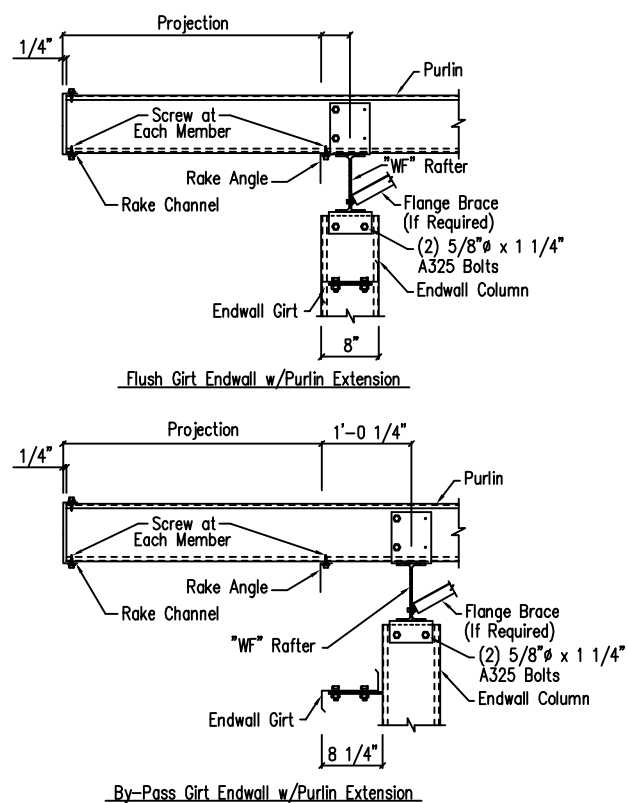


The image contains two technical drawings, Section "A" and Section "B", showing roof framing details for an eave canopy.

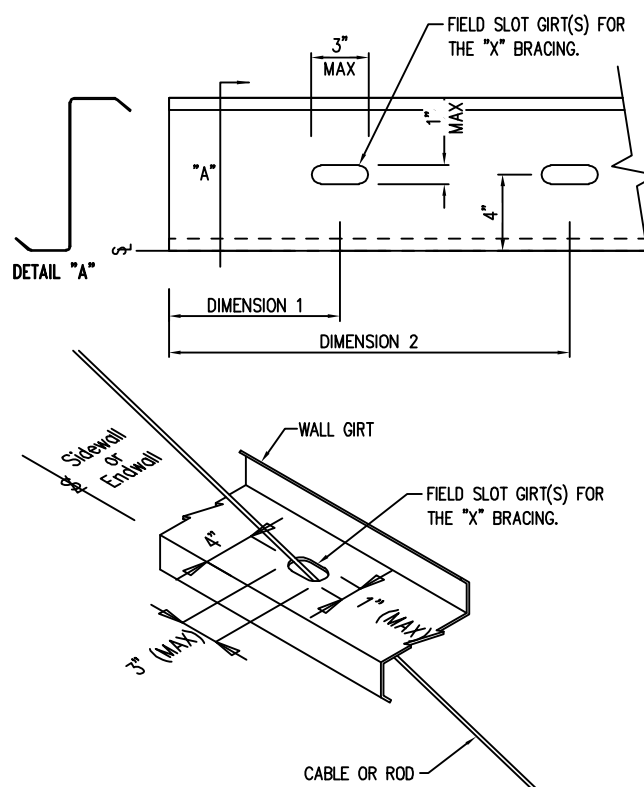
**Section "A": Eave Canopy at Main Frame**  
 This drawing shows a side elevation of the roof structure. Key components include:  
 - **Eave Strut**: Located at the eave edge.  
 - **Canopy Rafter**: The main horizontal rafter supporting the canopy.  
 - **1/2"  $\phi$  X 1" Butten Head Bolts**: Used to secure the canopy rafter to the main frame.  
 - **M.F. Rafter**: Main Frame Rafter, shown below the canopy rafter.  
 - **3/4"  $\phi$  A325 Bolts**: Used to secure the canopy rafter to the M.F. rafter.  
 - **Per Engineer**: Indicated for the length of the canopy rafter.  
 - **Edge Distance**: Indicated for the bolt placement.  
 - **Projection**: The horizontal distance from the main frame to the eave edge.  
 - **By-Pass**: A dimension line indicating the length of the canopy rafter.

**Section "B": Eave Canopy at C.F. Frame**  
 This drawing shows a side elevation of the roof structure, similar to Section "A" but with different framing. Key components include:  
 - **Eave Strut**: Located at the eave edge.  
 - **Canopy Rafter**: The main horizontal rafter supporting the canopy.  
 - **1/2"  $\phi$  X 1" Butten Head Bolts**: Used to secure the canopy rafter to the C.F. frame.  
 - **C.F. Rafter**: Ceiling Frame Rafter, shown below the canopy rafter.  
 - **5/8"  $\phi$  A325 Bolts**: Used to secure the canopy rafter to the C.F. rafter.  
 - **Per Engineer**: Indicated for the length of the canopy rafter.  
 - **Edge Distance**: Indicated for the bolt placement.  
 - **Projection**: The horizontal distance from the C.F. frame to the eave edge.

Both sections include a note: **(See Wall Framing Plan For Mark & Quantity)**.



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



NOTE: FIELD SLOT THE GIRT USING THE CORRESPONDING DIMENSIONS AS SHOWN ON THE "FIELD WORK TABLE" ON THE WALL ELEVATION.

### Purlin to Anti-Roll Clip Connection

DRAWING NO.  
SD115

### Eave Canopy Framing Detail

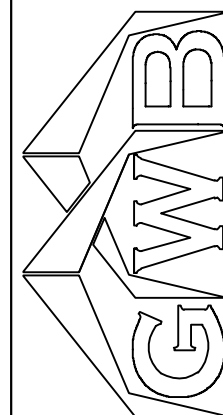
DRAWING NO.  
SD125

### Purlin Extension Framing Details

DRAWING NO.  
SD131

### Field Work Slotting for Bracing

DRAWING NO.  
SD202

[illegible]

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

15 OF 17

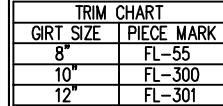
94105

## DETAIL DRAWINGS

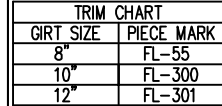
THIS SEAL PERTAINS ONLY TO THE MATERIALS  
DESIGNED AND SUPPLIED BY GREAT WESTERN  
BUILDINGS. THE DRAWINGS AND THE METAL  
BUILDING WHICH THEY REPRESENT ARE THE  
PRODUCT OF GREAT WESTERN BUILDINGS.

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.

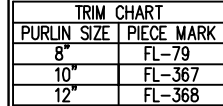




DRAWING NO.  
TD51



DRAWING NO.  
TD52



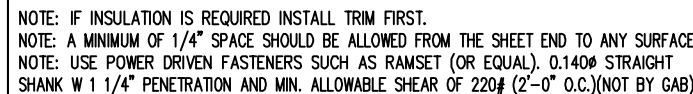
DRAWING NO.  
TD65



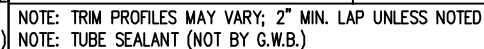
DRAWING NO  
TD70



DRAWING NO.  
TD72



DRAWING NO.  
TD74



DRAWING NO.  
TD85



DRAWING NO  
TD236

THE REGISTERED PROFESSIONAL ENGINEER WHO  
SEAL AND SIGNATURE APPEARS ON THESE  
DRAWINGS IS EMPLOYED BY GREAT WESTERN  
BUILDINGS AND DOES NOT SERVE AS OR  
REPRESENT THE OVERALL PROJECT ENGINEER  
RECORD AND SHALL NOT BE CONSTRUED AS  
SUCH.