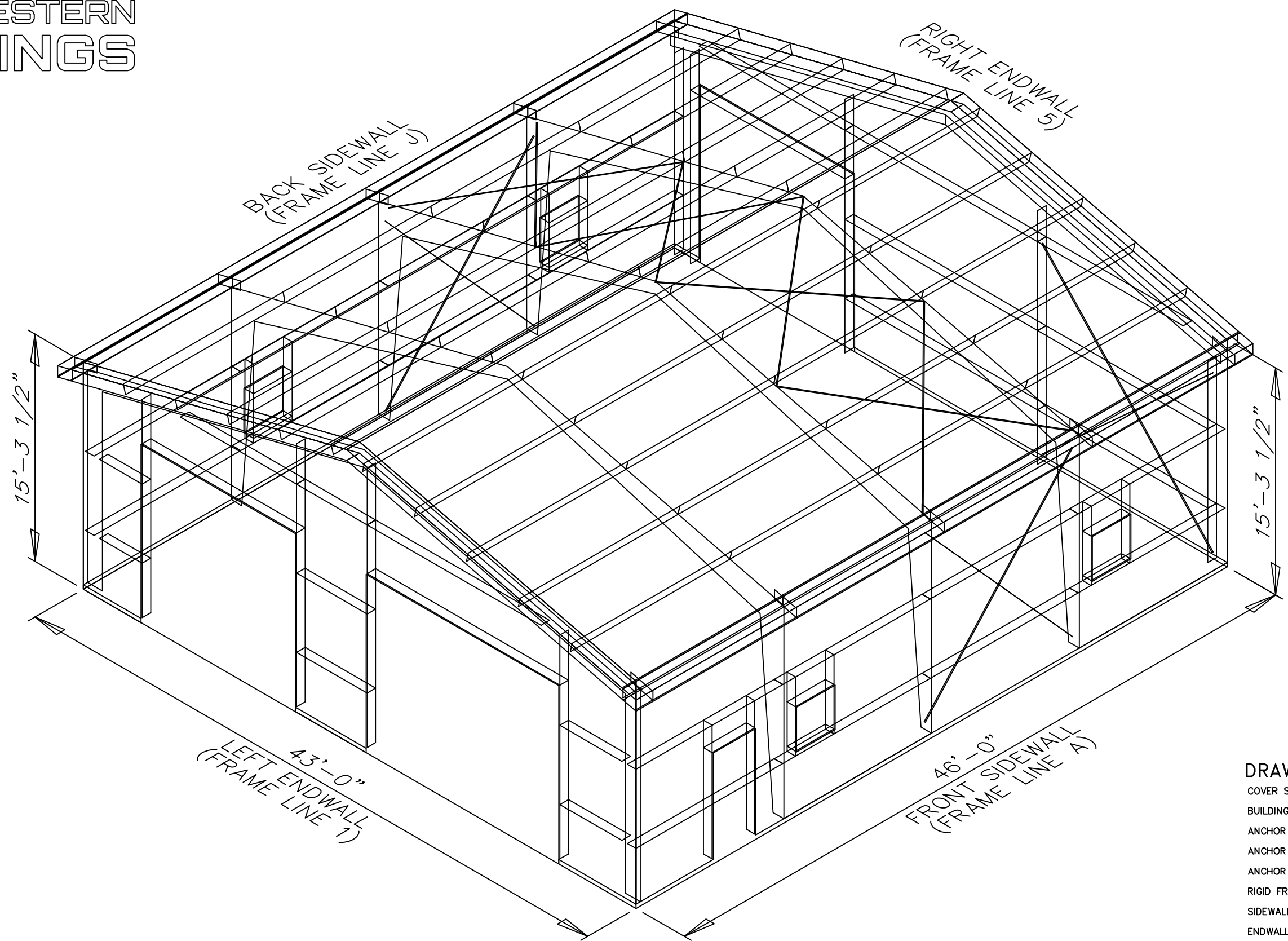




JOB NUMBER: 95334
PROJECT NAME: *
PROJECT LOCATION: *
PROJECT LOCATION: *
PROJECT COUNTY: *



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, 18

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

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 SPICE - 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-OF-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 & EAWE/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.

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, FALSE WORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION SHALL BE DETERMINED, FURNISHED AND INSTALLED BY THE ERECTOR. NO ITEMS SHOULD BE PURCHASED FROM A PRELIMINARY SET OF DRAWINGS, INCLUDING ANCHOR BOLTS. USE ONLY FINAL "FOR ERECTION" DRAWINGS FOR THIS USE. (AISC CODE OF STANDARD PRACTICE, LATEST EDITION.)

2.9

METAL BUILDING SUPPLIER IS RESPONSIBLE FOR THE DESIGN OF THE ANCHOR BOLTS TO PERMIT THE TRANSFER OF FORCES BETWEEN THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BEARING AND TENSION, BUT IT IS NOT RESPONSIBLE FOR THE TRANSFER OF ANCHOR BOLT FORCES TO THE CONCRETE OR THE ADEQUACY OF THE ANCHOR BOLT IN RELATION TO THE CONCRETE.

UNLESS OTHERWISE NOTED PROVIDED IN THE ORDER DOCUMENTS, M.B.S. DOES NOT DESIGN AND IS NOT RESPONSIBLE FOR THE DESIGN, MATERIAL AND CONSTRUCTION OF THE FOUNDATION OR FOUNDATION EMBEDMENTS. THE END USE CUSTOMER SHOULD BE ASSURE HIMSELF THAT ADEQUATE PROVISIONS ARE MADE IN THE FOUNDATION DESIGN FOR LOADS IMPOSED BY COLUMN REACTIONS OF THE BUILDING, OTHER IMPOSED LOADS, AND BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE. IT IS RECOMMENDED THAT THE ANCHORAGE AND FOUNDATION OF THE BUILDING BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER EXPERIENCED IN THE DESIGN OF SUCH STRUCTURES. (LATEST MBMA LOW RISE BUILDING SYSTEMS MANUAL)

2.10

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

2.11

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

2.12

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

2.13

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

2.14

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

2.15

IT IS RECOMMENDED BY FACTORY MUTUAL (REFERENCE B2.44) THAT ROOFS BE CLeared OF SNOW WHEN HALF OF THE MAXIMUM SNOW DEPTH IS ReACHED. THE MAXIMUM SNOW DEPTH CAN BE ESTIMATED BASED ON THE DESIGN SNOW LOAD AND THE DENSITY OF SNOW AND/OR ICE BUILDUP. SEE TABLE BELOW.

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-AB-2

BUILDING LOADS

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

DESIGN LOADS:

DESIGN CODE / WIND CODE

OCCUPANCY / RISK CATEGORY

ENCLOSURE

ROOF DEAD LOAD (D) (PSF)

ROOF COLLATERAL LOAD (C) (PSF)

WIND LOAD

ULTIMATE WIND SPEED, (VULT) (MPH)

WIND EXPOSURE CATEGORY

INTERNAL PRESSURE COEFFICIENT, (GCpi)

WALL PANEL DESIGN WIND PRESSURE (PSF)

WIND ENCLOSURE CLASSIFICATION

LIVE LOAD

PRIMARY FRAMING (PSF)

TRIB. AREA REDUCTION

SECONDARY FRAMING (PSF)

SNOW LOAD

GROUND SNOW LOAD, (Pg) (PSF)

ROOF SNOW LOAD, (Pf) (PSF)

SNOW EXPOSURE FACTOR, (Ce)

SNOW IMPORTANCE FACTOR, (Is)

THERMAL FACTOR, (Ct)

SEISMIC LOAD

SEISMIC IMPORTANCE FACTOR, (Ie)

SITE CLASSIFICATION

SPECTRAL RESPONSE ACCELERATION

SPECTRAL RESPONSE COEFFICIENTS

SEISMIC DESIGN CATEGORY

BASIC SEISMIC FORCE RESISTING SYSTEM

TOTAL DESIGN BASE SHEAR, (V) (KIPS)

RESPONSE MODIFICATION FACTORS, (R)

SEISMIC RESPONSE COEFFICIENTS, (Cs)

ANALYSIS PROCEDURE USED

OTHER LOADS/REQUIREMENTS

IBC-21

II-Normal

Enclosed

2.00

1.00

115.00

C

0.18/-0.18

25.32/-27.46

Enclosed

20.00

No

20.00

55.00

55.00

1.00

1.00

1.20

1.00

D

Ss = 0.245 :S1 = 0.086

Sds = 0.261 :Sd1 = 0.138

C

STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE

RIGID FRAMES (OMF)

BRACED FRAMES (OCBF/OMF)

LONGITUDINAL = 3.34

TRANSVERSE = 3.41

RIGID FRAMES = 3.00

SW X-BRACING = 3.00

3.00

3.00

RIGID FRAMES = 0.0872

SW X-BRACING = 0.0872

EQUIVALENT LATERAL FORCE PROCEDURE

CUSTOMER NAME: *

PROJECT NAME: *

PROJECT LOCATION: *

PROJECT COUNTY: *

PROJECT END USE: *

CUSTOMER PHONE NUMBER: *

CUSTOMER EMAIL: *

SCALE: N.T.S.

SHEET NUMBER:

JOB NUMBER

2 OF 18

95334

ENG.

CHK.

DWN.

DATE

ISSUE

DAR

MEZ

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

PKD

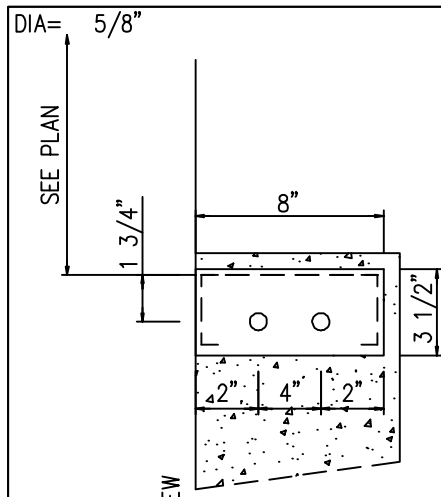
PKD

PKD

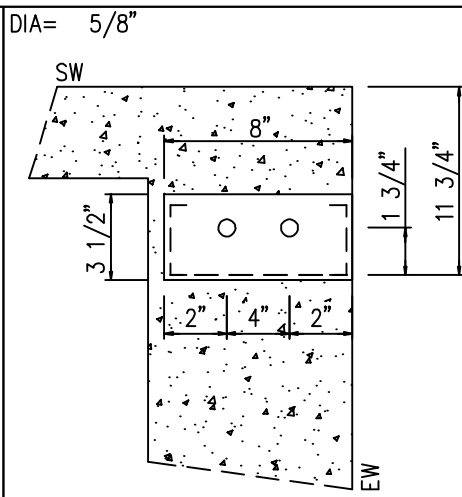
PKD

PKD

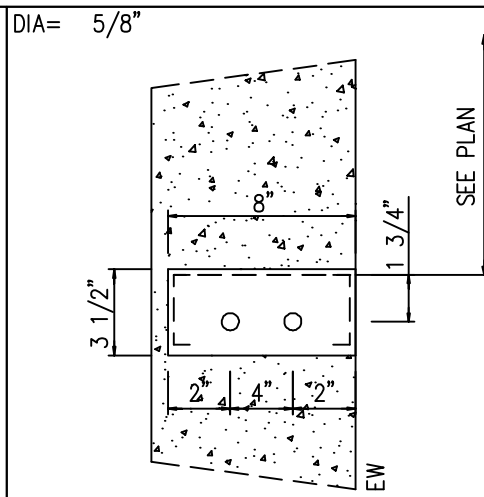
PKD</



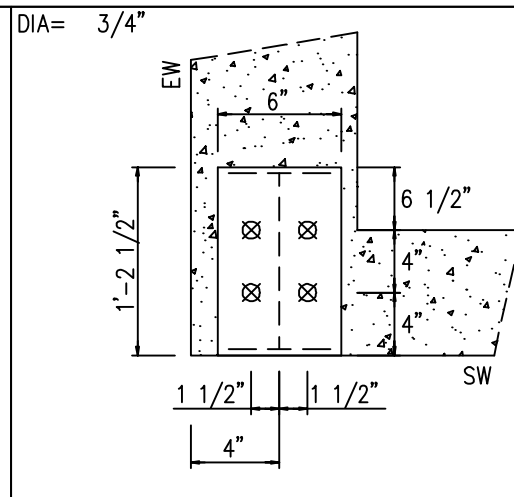
DETAIL A BASE EL. 100'-3 1/2"



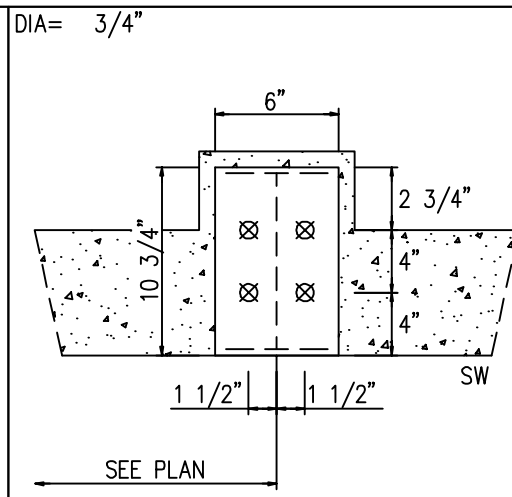
DETAIL B BASE EL. 100'-3 1/2"



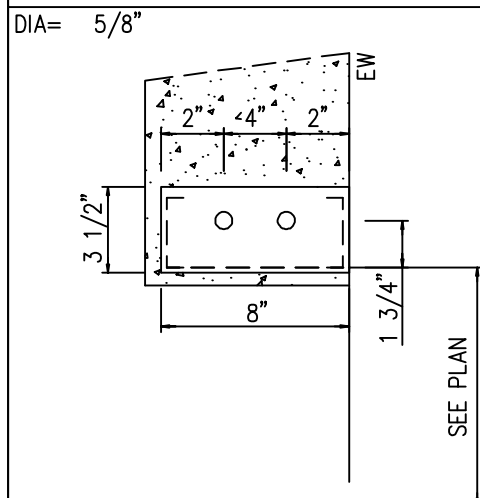
DETAIL C BASE EL. 100'-3 1/2"



DETAIL D BASE EL. 100'-3 1/2"



DETAIL E BASE EL. 100'-3 1/2"



DETAIL F BASE EL. 100'-3 1/2"

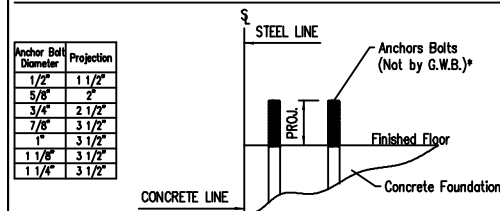
NOTE:

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.

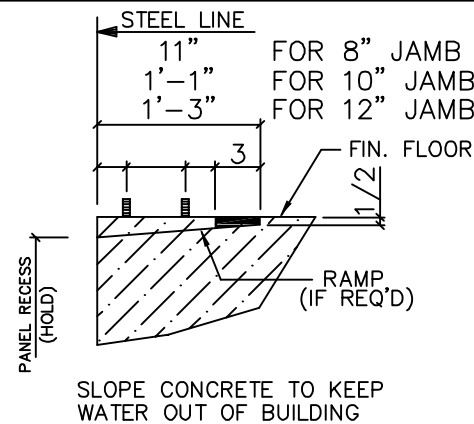
ANCHOR BOLT DIAMETERS HAVE BEEN DESIGNED BY THE METAL BUILDING ENGINEER BASED ON AISC METHOD WITH COMBINED SHEAR AND TENSION.

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.



CONCRETE NOTCH AND ANCHOR BOLT PROJECTION



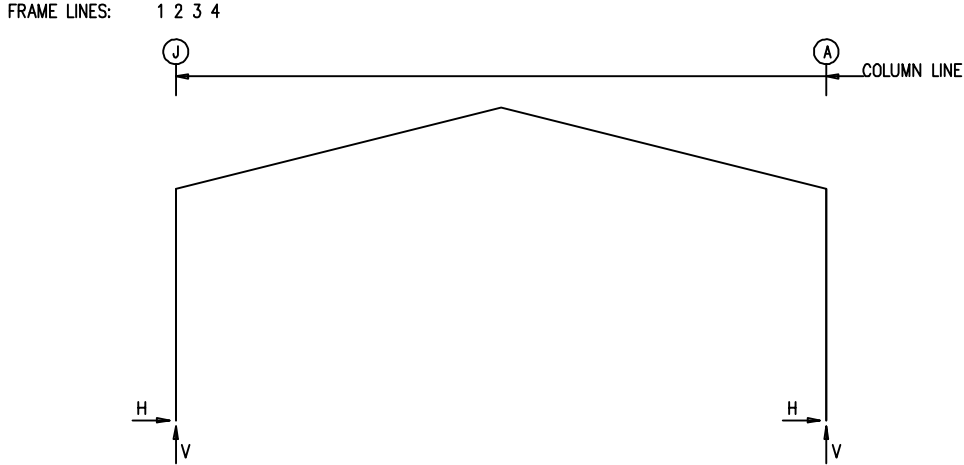
CONCRETE DETAIL AT OVERHEAD DOOR

[illegible]

1101 3RD AVE
GRAND JUNCTION, CO 81501
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 18
JOB NUMBER	95334

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: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES													
Frm Line	Col Line	Column_Reactions(k)				Hmin H	V		Bolt(in) QTY	DIA	Base_Plate(in)		Grout (in)
		Load Id	Hmax H	V Vmax	Load Id		Vmin				Width	Length	
1	J	1	3.4	9.6	4	-0.9	-0.6		4	0.750	6.000	14.50	3.5
					2	-0.9	-1.3						
1	A	5	0.9	-0.6	1	-3.4	9.6		4	0.750	6.000	14.50	3.5
		1	-3.4	9.6	3	0.9	-1.3						

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES													
Frm Line	Col Line	Column_Reactions(k)				Hmin H	V		Bolt(in) QTY	DIA	Base_Plate(in)		Grout (in)
		Load Id	Hmax H	V Vmax	Load Id		Vmin				Width	Length	
2*	J	1	7.0	15.6	2	-1.6	-2.4		4	0.750	6.000	10.75	3.5
					6	0.1	-4.0						
2*	A	3	1.6	-2.4	1	-7.0	15.6		4	0.750	6.000	10.75	3.5
		1	-7.0	15.6	7	-0.1	-4.0						
2*	FRAME lines: 2 3 4												

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	43.00
Length (ft)	=	46.00
Eave Height (ft)	=	15.30/15.30
Roof Slope (rise/12)	=	3.0:12/3.0:12
Dead Load (psf)	=	2.00
Collateral Load (psf)	=	1.00
Live Load (psf)	=	20.00
Snow Load (psf)	=	55.00
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	=	C
Seismic Coeff (Fa*Ss)	=	0.39

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_Right2+0.6Wind_Suction
9	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
10	Dead+0.6Wind_Right2+0.6Wind_Suction
11	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
12	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
13	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
14	Dead+Collateral+E2UNB_SL_L
15	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
16	Dead+Collateral+E2UNB_SL_R
17	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
			Horz	Vert	Horz	Vert	Wind	Seis	
L_EW		1							(h)
F_SW	A	3,4	3.2	3.7	1.7	1.9			
R_EW	5	A,C	0.9	1.1	0.5	0.7			
B_SW	J	4,3	3.2	3.7	1.7	1.9			

(h)Rigid frame at endwall

Reactions for seismic represent shear force, Eh
Reaction values shown are unfactored

ANCHOR BOLT SUMMARY

QTY	LOCATE	DIA (in)	TYPE
○ 2	JAMB	5/8"	A307
○ 16	ENDWALL	5/8"	A307
⊗ 32	FRAME	3/4"	A307

RIGID FRAME: BASIC COLUMN REACTIONS (k)

FRAME	Column	Dead		Collateral		Live		Snow		Wind_Left1		Wind_Right1	
Line	Line	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	J	0.2	0.8	0.1	0.2	1.1	3.1	3.1	8.6	-1.7	-3.1	0.3	-1.9
1	A	-0.2	0.8	-0.1	0.2	-1.1	3.1	-3.1	8.6	-0.3	-1.9	1.7	-3.1
FRAME	Column	Wind_Left2		Wind_Right2		Wind_Long1		Wind_Long2		Seismic_Left		Seismic_Right	
Line	Line	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	J	-1.7	-1.9	0.2	-0.8	0.0	-2.4	-0.2	-2.1	-0.3	-0.2	0.3	0.2
1	A	-0.2	-0.8	1.7	-1.9	0.2	-2.1	0.0	-2.4	-0.3	0.2	0.3	-0.2
FRAME	Column	MIN_SNOW		F1UNB_SL_L		F1UNB_SL_R							
Line	Line	Horz	Vert	Horz	Vert	Horz	Vert						
1	J	1.1	3.1	2.4	8.0	2.4	4.6						
1	A	-1.1	3.1	-2.4	4.6	-2.4	8.0						
FRAME	Column	Dead		Collateral		Live		Snow		Wind_Left1		Wind_Right1	
Line	Line	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
2*	J	0.4	1.1	0.1	0.3	2.3	5.2	6.4	14.2	-3.1	-5.1	0.1	-3.2
2*	A	-0.4	1.1	-0.1	0.3	-2.3	5.2	-6.4	14.2	-0.1	-3.2	3.1	-5.1
FRAME	Column	Wind_Left2		Wind_Right2		Wind_Long1		Wind_Long2		Seismic_Left		Seismic_Right	
Line	Line	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
2*	J	-3.0	-3.2	0.2	-1.3	-0.2	-7.8	-0.6	-7.2	-0.4	-0.3	0.4	0.3
2*	A	-0.2	-1.3	3.0	-3.2	0.6	-7.2	0.2	-7.7	-0.4	0.3	0.4	-0.3
FRAME	Column	Seismic_Long1		Seismic_Long2		MIN_SNOW		F2UNB_SL_L		F2UNB_SL_R			
Line	Line	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert		
2*	J	0.0	-1.9	0.0	1.9	2.3	5.2	5.0	13.3	5.0	7.6		
2*	A	0.0	-1.9	0.0	1.9	-2.3	5.2	-5.0	7.6	-5.0	13.3		
2*	FRAME lines: 2 3 4												

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz	Seis Long Vert													Wind Press Horz
1	G	0.0	-1.2	1.3	0.0													
1	E	0.1	-1.5	1.7	0.0													
1	D	0.1	-1.9	2.1	0.0													
1	B	0.0	-1.6	1.7	0.0													

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Horz Vert		Wind_Right1 Horz Vert		Wind_Left2 Horz Vert		Wind_Right2 Horz Vert		Wind Press Horz
5	A	0.2	0.0	0.9	2.6	-0.9	-2.5	0.0	0.3	-0.9	-2.0	0.0	0.8	-1.0
5	C	0.4	0.1	2.2	6.1	0.0	-1.6	0.9	-3.1	0.0	-0.9	0.9	-2.3	-2.5
5	F	0.4	0.1	2.2	6.1	0.0	-1.6	0.0	-2.8	0.0	-0.9	0.0	-2.1	-2.5
5	J	0.2	0.0	0.9	2.6	0.0	-1.1	0.0	-1.3	0.0	-0.6	0.0	-0.9	-1.0

Frm Line	Col Line	Wind Suct Horz	Wind_Long1 Horz Vert		Wind_Long2 Horz Vert		Seis_Left Horz Vert		Seis_Right Horz Vert		Seis Long Vert	-MIN_SNOW- Horz Vert	
5	A	1.2	0.0	-0.7	-0.4	-1.4	-0.5	-0.7	0.0	0.8	0.0	0.0	0.9
5	C	2.7	0.4	-3.2	0.0	-0.9	0.0	0.7	0.5	-0.8	0.0	0.0	2.2
5	F	2.7	0.0	-1.5	0.0	-2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.2
5	J	1.2	0.0	-0.8	0.0	-1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.9

Frm Line	Col Line	E2UNB_SL_L Horz Vert		E2UNB_SL_R Horz Vert									
5	A	0.0	2.6	0.0	0.7								
5	C	0.0	7.1	0.0	2.4								
5	F	0.0	2.4	0.0	7.1								
5	J	0.0	0.7	0.0	2.6								

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k)					V Vmin	Bolt(in) QTY DIA		Base_Plate(in)		Thick	Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H				Width	Length		
1	G	8 10	0.8 0.8	0.0 0.0	9	-0.7	0.0	2	0.625	3.500	8.000	0.250	3.5
1	E	8 10	1.0 1.0	0.0 0.1	9	-0.9	0.0	2	0.625	3.500	8.000	0.250	3.5
1	D	8 10	1.3 1.3	0.1 0.1	9	-1.1	0.1	2	0.625	3.500	8.000	0.250	3.5
1	B	8 10	1.0 1.0	0.0 0.0	9	-0.9	0.0	2	0.625	3.500	8.000	0.250	3.5
5	A	11 1	0.7 0.0	-1.4 2.8	9 11	-0.6 0.7	-0.7 -1.4	2	0.625	3.500	8.000	0.250	3.5
5	C	12 14	1.6 0.0	-1.7 7.6	13 12	-1.5 1.6	-1.7 -1.7	2	0.625	3.500	8.000	0.250	3.5
5	F	15 16	1.6 0.0	-1.5 7.6	9 15	-1.5 1.6	-1.3 -1.5	2	0.625	3.500	8.000	0.250	3.5
5	J	17 1	0.7 0.0	-0.7 2.8	9 17	-0.6 0.7	-0.7 -0.7	2	0.625	3.500	8.000	0.250	3.5

SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP1	4	4	0	A325	5/8"	2"
SP2	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	Inside Flange
	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length
RF1-1	14.0/14.0	0.135	12'-9 9/16"	5 x 1/4" x 14'-2 7/8"	5 x 1/4" x 13'-0 9/16"
RF1-2	14.0/14.0	0.164	1'-8 13/16"	5 x 1/4" x 1'-2 5/8"	5 x 1/4" x 20'-9 3/4"
	14.0/14.0	0.135	19'-1 5/16"	5 x 1/4" x 20'-9 3/4"	
RF1-3	14.0/14.0	0.135	2'-0"	5 x 1/4" x 20'-9 3/4"	5 x 1/4" x 20'-9 3/4"
	14.0/14.0	0.135	19'-1 5/16"		
RF1-4	14.0/14.0	0.164	1'-8 13/16"	5 x 1/4" x 1'-2 5/8"	5 x 1/4" x 13'-0 9/16"
	14.0/14.0	0.135	12'-9 9/16"	5 x 1/4" x 14'-2 7/8"	

Mark	Part	Length
EB-2	W8X10	2'-1 13/16"
EB-7	W8X10	2'-1 13/16"

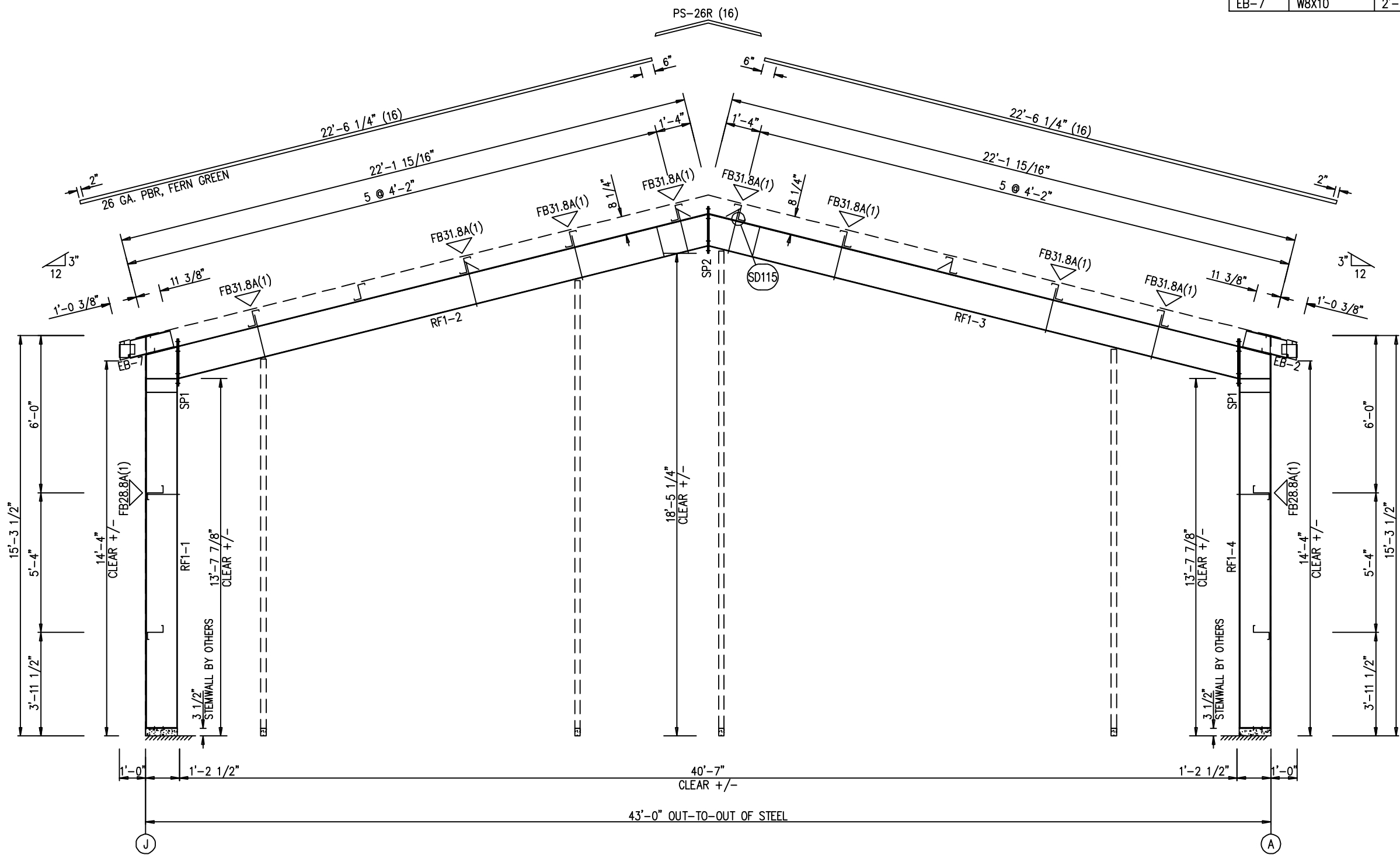
[illegible]

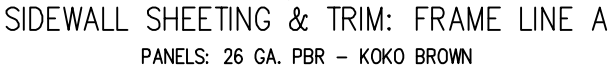
GREAT WESTERN
BUILDINGS

1101 3RD AVE
GRAND JUNCTION, CO 81501
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

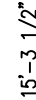
CUSTOMER NAME: *	
PROJECT NAME: *	
PROJECT LOCATION: *	
PROJECT COUNTY: *	
PROJECT END USE: *	
CUSTOMER PHONE NUMBER: *	
CUSTOMER EMAIL: *	
SCALE: N.T.S.	
SHEET NUMBER:	6 OF 18
JOB NUMBER	95334

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.





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: F.L.F.O. = FIELD LOCATED FRAMED OPENING



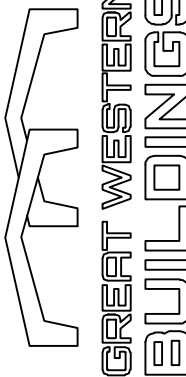
PANELS: 26 GA. PBR - KOKO BROWN

Q>ID	QUAN	PART	LENGTH	DETAIL
1	5	FL-60	10'-2"	TD74
2	2	FL-10	15'-4"	TD40
3	4	FL-48	3'-0"	TD51
4	2	FL-52	3'-4"	TD52
5	2	FL-50	3'-4"	TD52

QUAN	MARK	PART	LENGTH
4	DJ-2	8x25C16	4'-8"
2	DH-4	8x25C16	2'-11 1/2"
2	DS-1	GH-1	3'-0"
1	E-1	L08E16-3	10'-5 13/16"
2	E-2	L08E16-3	10'-9 13/16"
1	E-3	L08E16-3	10'-9 11/16"
2	E-6	L08E16-3	11 11/16"
2	G-12	8X25Z16	10'-5 3/4"
4	G-13	8X25Z16	10'-9 3/4"
2	G-15	8X25Z16	11'-1 5/8"
2	CR-3	CR0313	18'-2"

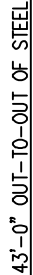
OID	DETAIL	DIMENSION 1	DIMENSION 2
3	SD202	2'-4 3/16"	8'-5 5/8"
4	SD202	3'-10 3/4"	6'-11 1/16"

☐ ID	QUAN	MARK
1	8	CL-103
2	4	CL-100

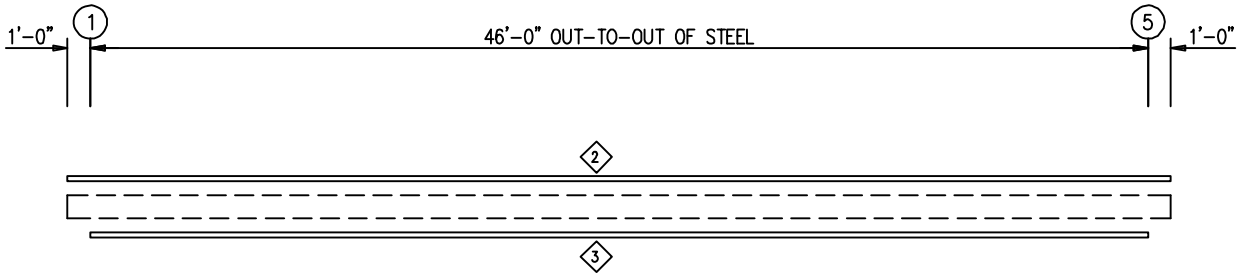
[illegible]

CUSTOMER NAME: *	
PROJECT NAME: *	
PROJECT LOCATION: *	
PROJECT COUNTRY: *	
PROJECT END USE: *	
CUSTOMER PHONE NUMBER: *	
CUSTOMER EMAIL: *	
DATE: N.T.S.	
PROJECT NUMBER: 9 OF 18	
18 NUMBER 05334	

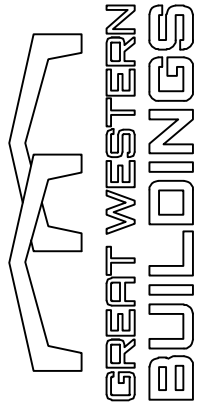
THIS SEAL PERTAINS ONLY TO THE MATERIALS
DESIGNED AND SUPPLIED BY GREAT WESTERN
BUILDINGS. THE DRAWINGS AND THE METAL
BUILDING WHICH THEY REPRESENT ARE THE
PRODUCT OF GREAT WESTERN BUILDINGS.
THE REGISTERED PROFESSIONAL ENGINEER WHOSE
SEAL AND SIGNATURE APPEARS ON THESE
DRAWINGS IS EMPLOYED BY GREAT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



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 TABLE ROOF PLAN				
◇ID	QUAN	PART	LENGTH	DETAIL
1	16	PS-26R	3'-0"	TD8
2	10	FL-501	9'-10"	TD20
3	8	FL-502	11'-10"	TD20
4	10	FL-214	9'-10"	TD20
5	12	FL-503	8'-2"	TD24
6	8	FL-504	11'-5"	TD24
7	2	FL-88	1'-2"	TD72
8	8	FL-15	11'-10"	TD24
9	2	FL-600L	5 5/8"	TD12
10	4	FL-601D	7 15/16"	TD12
11	2	FL-17	1'-4"	
12	2	FL-600R	5 5/8"	TD12

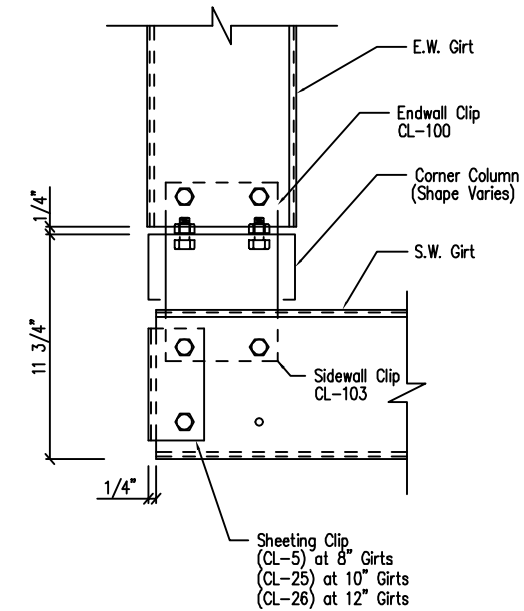
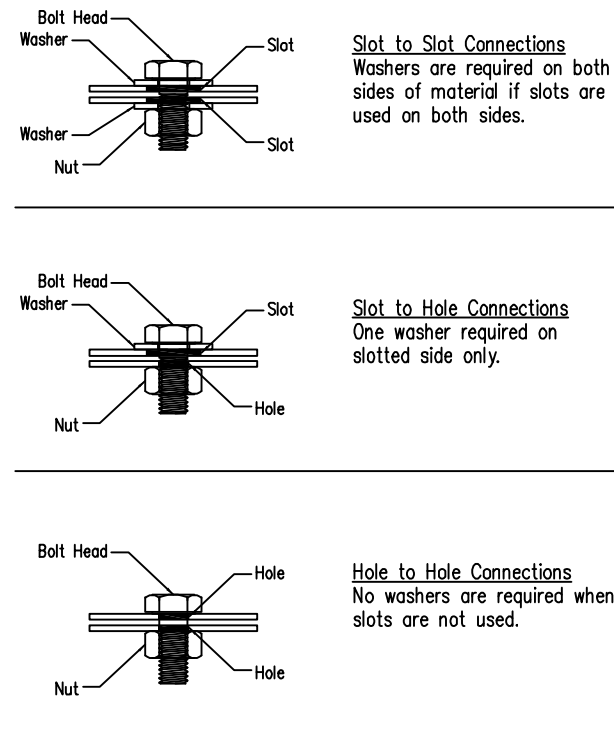
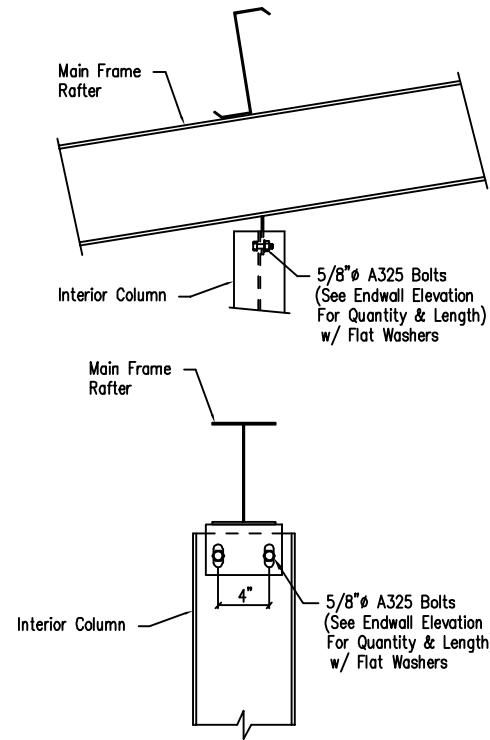
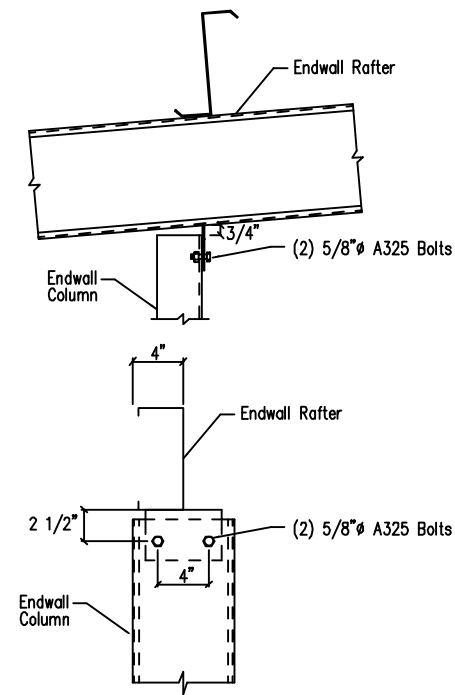
[illegible]

1101 3RD AVE
GRAND JUNCTION, CO 81501
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 18
JOB NUMBER:	95334

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 SHEETING PLAN
PANELS: 26 GA. PBR - FERN GREEN



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.



Cold Form Column to Cold Form Rafter

DRAWING NO.
SD4

Hot Rolled Column to Main Frame Rafter

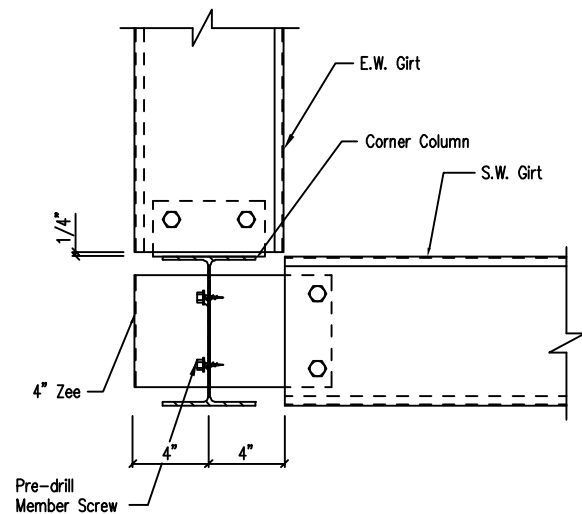
Created On: 7/22/11

Typical Washer Requirements

DRAWING NO.
SD11

Section at "C" Corner Column
Flush Endwall

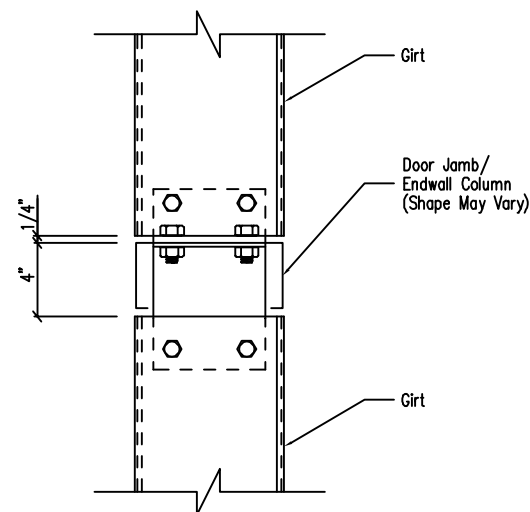
DRAWING NO.	SD24
-------------	------



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

Section at Hot Rolled Corner Column
Flush Endwall – Flush Sidewall

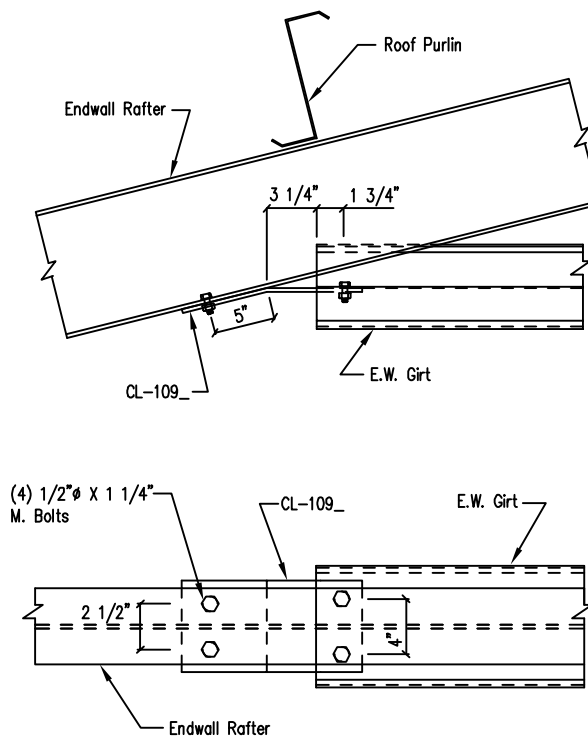
DRAWING NO.
SD33



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

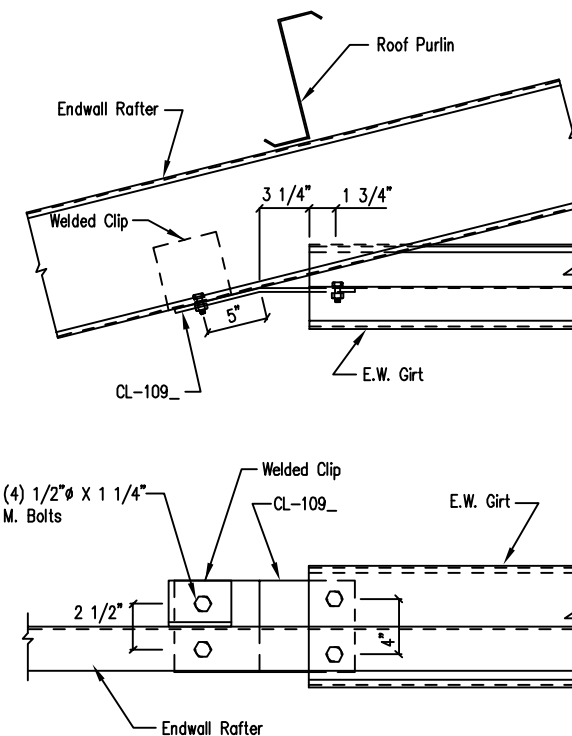
Girt to "C" Door Jamb/Endwall Column Connection

DRAWING NO.
SD43



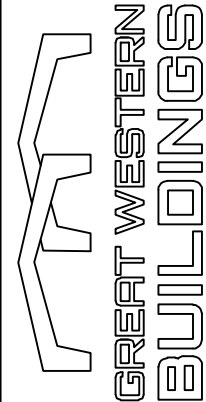
DRAWING NO.
SD45

Endwall Girt to Hot Rolled Rafter



DRAWING NO.	SD48
-------------	------

Endwall Girt to Cold Form Rafter

[illegible]

1101 3RD AVE
GRAND JUNCTION, CO 81501
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 18	
JOB NUMBER: 95334	

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.

DETAIL DRAWINGS

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

Section at Interior MF Column
Flush Sidewall

DRAWING NO.
SD49

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

Interior Bay Purlin Framing

DRAWING NO.
SD50

Cable Brace to Frame Detail

Rod Brace with Coupling Detail

Rod Brace to Frame Detail

Cable or Rod Brace to Frame Connection

DRAWING NO.
SD66

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.

Girt to Jamb (Bolted Clips)

DRAWING NO.
SD87

NOTE: All Bolts are 1/2" x 1 1/4" A307 Mach. Bolts

ERECTOR NOTE: IF CLIP BOXES ON BUILDING ELEVATION VIEW(S) ARE LEFT OF THE INTENDED JAMB LINE, THE CLIP(S) IN REFERENCE ARE TOED LEFT. IF RIGHT OF THE JAMB LINE, THEN TOED RIGHT. THE DRAWINGS ABOVE ARE TOED LEFT FOR REFERENCE.

Jamb to Girt

DRAWING NO.
SD93

NOTE: All Bolts are 1/2" 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.

Girt/Header to Jamb

DRAWING NO.
SD95

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

Opening Height

Framed Opening w/ Girt Header

DRAWING NO.
SD104

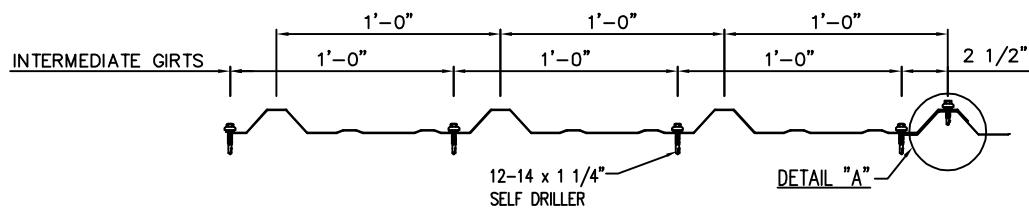
CUSTOMER NAME:	*
PROJECT NAME:	*
PROJECT LOCATION:	*
PROJECT COUNTY:	*
PROJECT END USE:	*
CUSTOMER PHONE NUMBER:	*
CUSTOMER EMAIL:	*
SCALE:	N.T.S.

1101 3RD AVE
GRAND JUNCTION, CO 81501
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

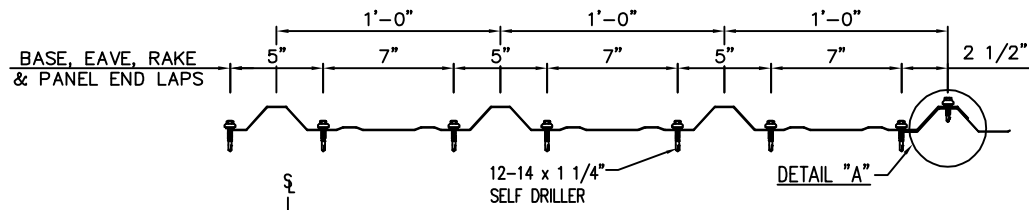
15 OF 18
95334

DETAIL DRAWINGS

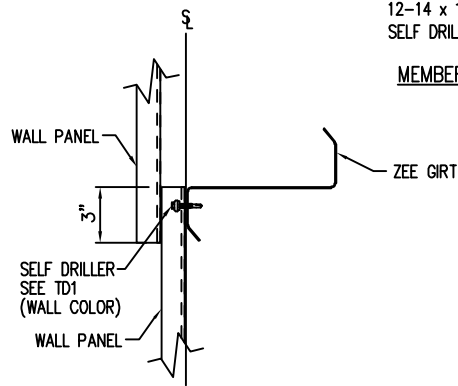
THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT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



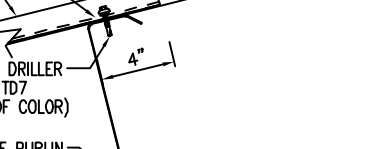
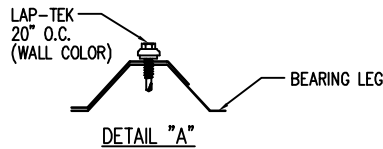
MEMBER SCREW SPACING



MEMBER SCREW SPACING



PANEL END LAP DETAIL



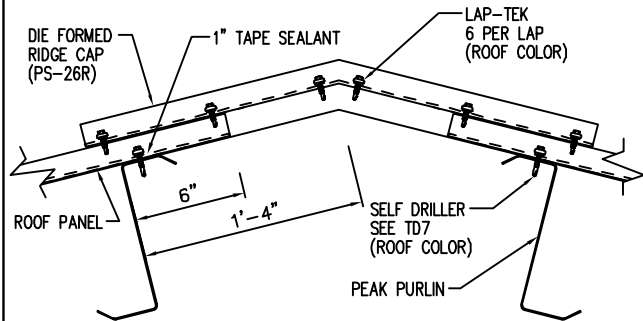
PANEL END LAP DETAIL

Fastener Location at Wall – PBR

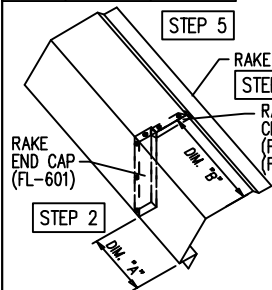
DRAWING NO.
TD1

Fastener Location at Roof – PBR

DRAWING NO.
TD7



Slope	Dim. "A"	Dim. "B"
1 : 12	3/16"	3/4"
2 : 12	3/8"	1 1/2"
3 : 12	9/16"	2 1/4"
4 : 12	3/4"	3"
5 : 12	15/16"	3 3/4"
6 : 12	1 1/8"	4 1/2"
7 : 12	1 5/16"	5 1/4"
8 : 12	1 1/2"	6"
9 : 12	1 11/16"	6 3/4"
10 : 12	1 7/8"	7 1/2"
11 : 12	2 1/16"	8 1/4"
12 : 12	2 1/4"	9"



- STEP 1** INSTALL FLAT EAVE TRIM IN BETWEEN THE ROOF PANEL AND LOW EAVE MEMBER. BE SURE THE END OF THE FLAT EAVE TRIM IS FLUSH WITH THE WALL CORNER TRIM.
- STEP 2** INSTALL RAKE END CAP (FL-601), INTO RAKE TRIM USING (5) POP RIVETS. USE CHART TO DETERMINE HOW FAR THE RAKE END CAP IS POSITIONED INTO THE RAKE TRIM. WITH DIM. "A" BEING THE BOTTOM FACE OF THE RAKE TRIM & DIM. "B" BEING THE TOP FACE OF THE RAKE TRIM.
- STEP 3** INSTALL RAKE TRIM CLOSURE CAP (FL-600L/R), FLUSH WITH THE RAKE END CAP USING (3) POP RIVETS.

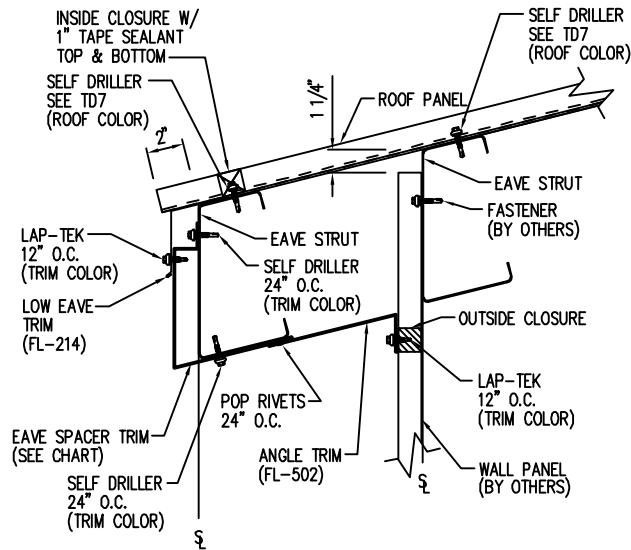
- STEP 4** FIELD CUT/NOTCH THE END OF THE ROOF PANEL BACK 1". THIS IS TO ALLOW THE RAKE TRIM CLOSURE CAP FROM HITTING THE ROOF PANEL.
- STEP 5** INSTALL RAKE TRIM. BE SURE THE BOTTOM END OF THE RAKE TRIM, THAT ATTACHES TO THE HIGH RIBS OF THE WALL PANEL, IS FLUSH WITH THE WALL CORNER TRIM.
- STEP 6** FIELD CUT/NOTCH THE FACE OF THE RAKE TRIM TO BE FLUSH WITH THE WALL CORNER TRIM. BE SURE WHEN CUTTING/NOTCHING THE TOP OF THE RAKE TRIM, THAT SITS ON TOP OF THE ROOF PANEL, SHOULD BE LINED UP WITH THE END OF THE ROOF PANEL.

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

DRAWING NO.
TD8

Flat Eave Corner Trim Installation – PBR

DRAWING NO.
TD12



TRIM CHART	
PURLIN SIZE	PIECE MARK
8"	FL-501
10"	FL-501
12"	FL-501

Low Eave Detail – PBR
Sculptured Eave – Panel by Others – Soffit Trim

DRAWING NO.
TD20

ENG. DAR

CHK. MEZ

DWN. MEZ

DATE 04/22/25

ISSUE

APPROVAL

PERMIT/ERECTION

1101 3RD AVE

GRAND JUNCTION, CO 81501

PHONE: (800)-497-2135

WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME: *

PROJECT NAME: *

PROJECT LOCATION: *

PROJECT COUNTY: *

PROJECT END USE: *

CUSTOMER PHONE NUMBER: *

CUSTOMER EMAIL: *

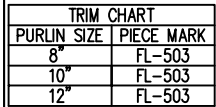
SCALE: N.T.S.

SHEET NUMBER: 17 OF 18

JOB NUMBER: 95334

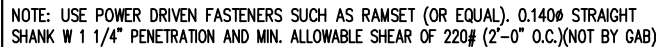
SHEET TITLE: DETAIL DRAWINGS

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.



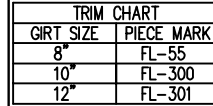
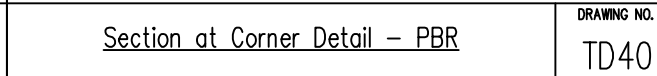
Rake Detail – PBR

DRAWING NO.
TD24



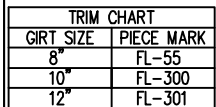
Panel Termination at Stem Wall

DRAWING NO.
TD36



Framed Opening Jamb Detail – PBR

DRAWING NO.
TD51



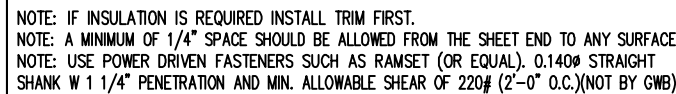
Framed Opening Head and Sill Details – PBR

DRAWING NO.
TD52



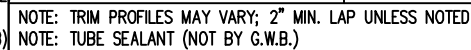
Flat Ridge Detail – PBR With Soffit

DRAWING NO.
TD72



Base Angle w/Trim Details

DRAWING NO.
TD74



Trim Laps – PBR Sculptured

DRAWING NO.
TD85



**GREAT WESTERN
BUILDINGS**

1101 3RD AVE
GRAND JUNCTION, CO 81501
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:	18 OF 18
JOB NUMBER:	95334

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.