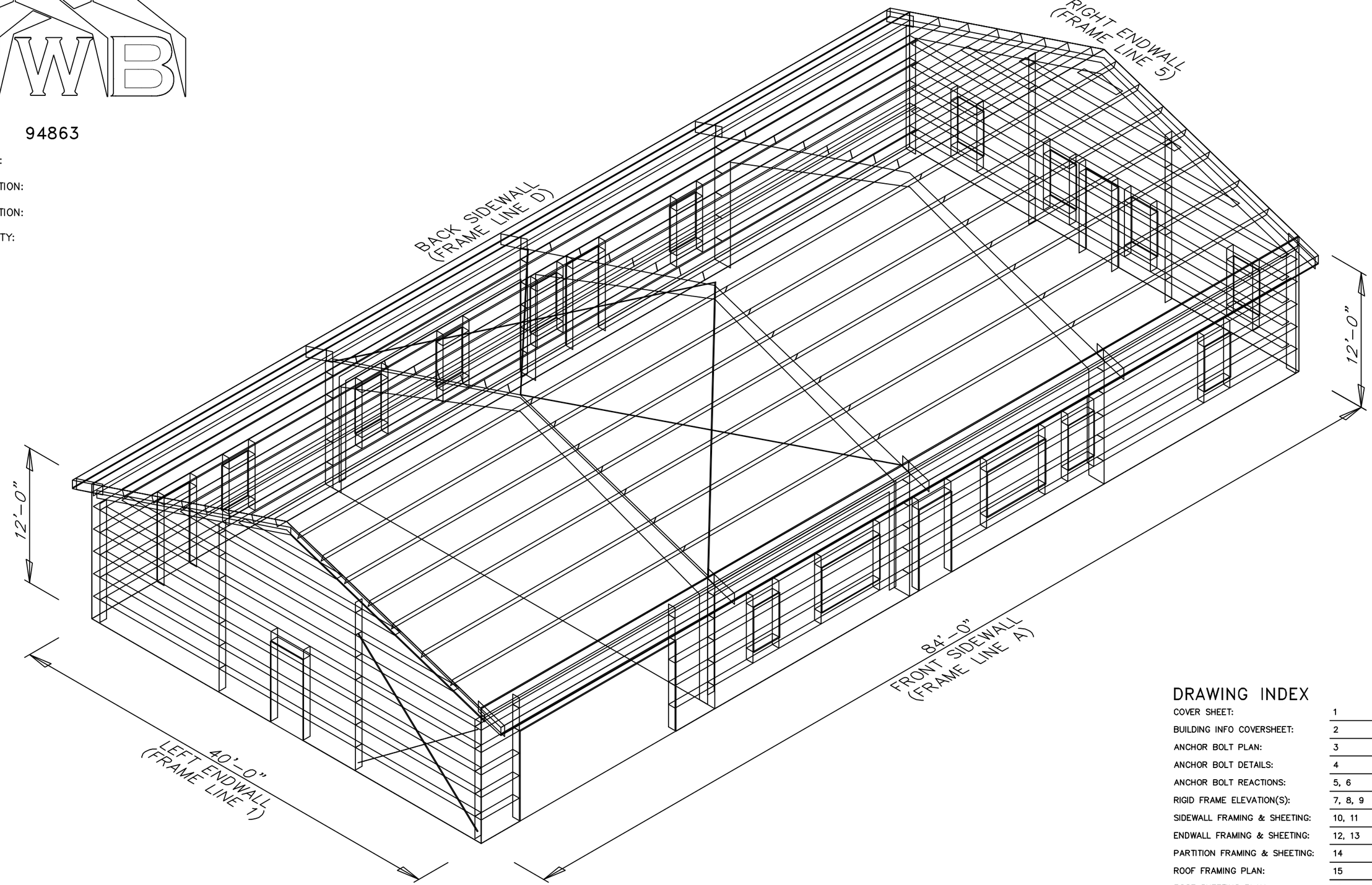
JOB NUMBER: 94863

PROJECT NAME:

PROJECT LOCATION:

PROJECT LOCATION:

PROJECT COUNTY:



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GENERAL NOTES

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

1.2 MATERIALS

	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–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 & 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, 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–A8–2

BUILDING LOADS

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

DESIGN LOADS:

DESIGN CODE / WIND CODE	: IBC–21
OCCUPANCY / RISK CATEGORY	: II–Normal
ENCLOSURE	: Enclosed
ROOF DEAD LOAD (D) (PSF)	: 3.45
ROOF COLLATERAL LOAD (C) (PSF)	: 22.00
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)	: 28.53/–30.94
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)	: 80.00
ROOF SNOW LOAD, (Pf) (PSF)	: 80.00
SNOW EXPOSURE FACTOR, (Ce)	: 1.00
SNOW IMPORTANCE FACTOR, (Is)	: 1.00
THERMAL FACTOR, (Ct)	: 1.20
SEISMIC LOAD	
SEISMIC IMPORTANCE FACTOR, (Ie)	: 1.00
SITE CLASSIFICATION	: D
SPECTRAL RESPONSE ACCELERATION	: Ss = 0.303 :S1 = 0.083
SPECTRAL RESPONSE COEFFICIENTS	: Sds = 0.315 :Sd1 = 0.133
SEISMIC DESIGN CATEGORY	: B
BASIC SEISMIC FORCE RESISTING SYSTEM	: STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE : RIGID FRAMES (OMF) : BRACED FRAMES (OCBF/OMF)
TOTAL DESIGN BASE SHEAR, (V) (KIPS)	: LONGITUDINAL = 18.31 : TRANSVERSE = 18.34
RESPONSE MODIFICATION FACTORS, (R)	: RIGID FRAMES = 3.00 Ω = 3.00 : SW WIND BENT = 3.00 Ω = 3.00
SEISMIC RESPONSE COEFFICIENTS, (Cs)	: RIGID FRAMES = 0.1050 : SW WIND BENT = 0.1050
ANALYSIS PROCEDURE USED	: EQUIVALENT LATERAL FORCE PROCEDURE
OTHER LOADS/REQUIREMENTS	

BUILDING DESCRIPTION:

WIDTH (FT)	: 40.00
LENGTH (FT)	: 84.00
EAVE HEIGHT AT BSW (FT)	: 12.00
EAVE HEIGHT AT FSW (FT)	: 12.00
ROOF SLOPE AT BSW	: 4.0:12
ROOF SLOPE AT FSW	: 4.0:12
BAY SPACING (FT)	: 1 AT 24, 3 AT 20

COVERING AND TRIMS:

ROOF PANELS & TRIMS	
PANEL TYPE	: 26 GA. PBR
PANEL COLOR	: REGAL RED (KYNAR)
TRIM COLORS	
GABLE/EAVE	: SOLAR WHITE
EAVE GUTTER	: N/A
WALL PANELS & TRIMS	
PANEL TYPE	: 26 GA. PBR
PANEL COLOR	: ASH GRAY
TRIM COLORS	
CORNER	: SOLAR WHITE
FRAMED OPENING	: SOLAR WHITE
DOWNSPOUTS	: N/A
BASE	: ASH GRAY
INSULATION	
ROOF INSULATION	: N/A
WALL INSULATION	: N/A

ROOF SOFFIT PANELS & TRIMS	
PANEL TYPE	: 26 GA. PBR
PANEL COLOR	: SOLAR WHITE
TRIM COLORS	: SOLAR WHITE

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS
REVISED ERECTION	01/09/25	PKD	PKD	RTS

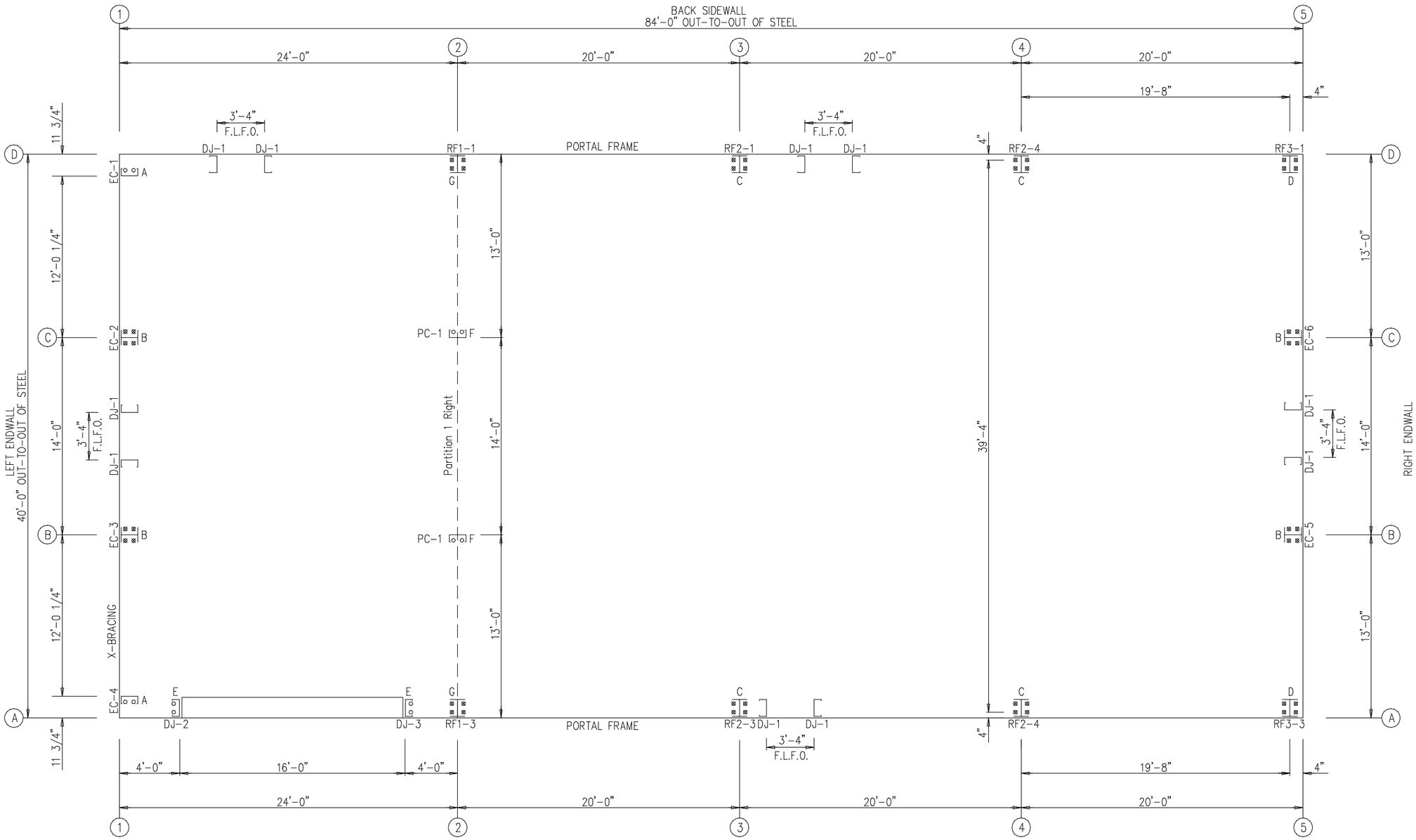
GWB
1101 3RD AVE
GRAND JUNCTION, CO 81501
PHONE: (800)–497–2135
WWW.GREATWESTERNBUILDINGS.COM

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

SHEET NUMBER: 2 OF 21
JOB NUMBER 94863
SHEET TITLE: BUILDING INFO COVERSHEET

ANCHOR BOLT SUMMARY

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



ANCHOR BOLT PLAN

NOTE: ALL BASE PLATES @ 100'-0" (U.N.)
F.L.F.O.: FIELD LOCATED FRAME OPENING

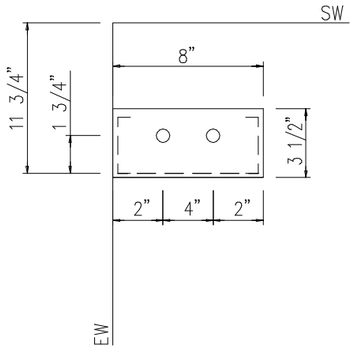
ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

GWB
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.

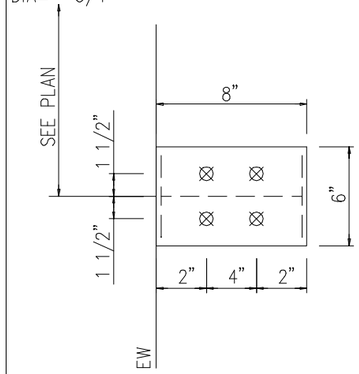
SHEET NUMBER: 3 OF 21
JOB NUMBER 94863
SHEET TITLE: ANCHOR BOLT PLAN

DIA= 5/8"



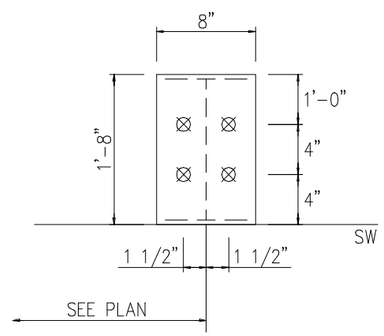
DETAIL A

DIA= 3/4"



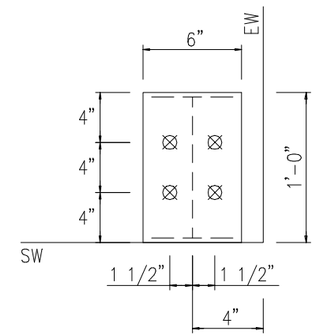
DETAIL B

DIA= 3/4"



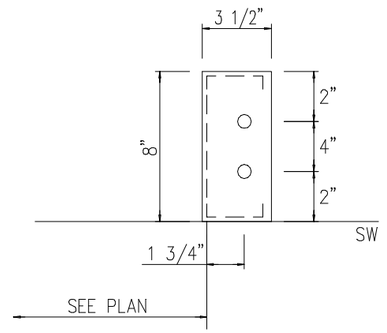
DETAIL C

DIA= 3/4"



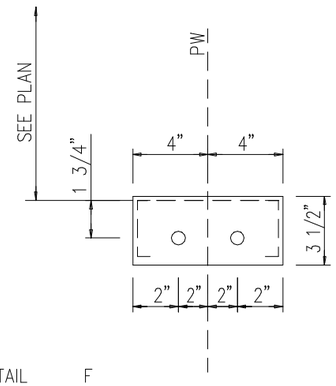
DETAIL D

DIA= 5/8"



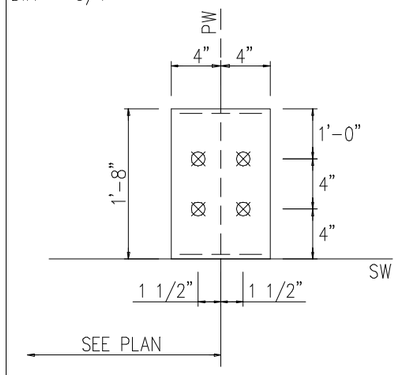
DETAIL E

DIA= 5/8"



DETAIL F

DIA= 3/4"



DETAIL G

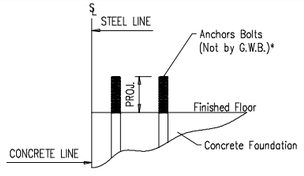
NOTE:
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. G.W.B. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

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

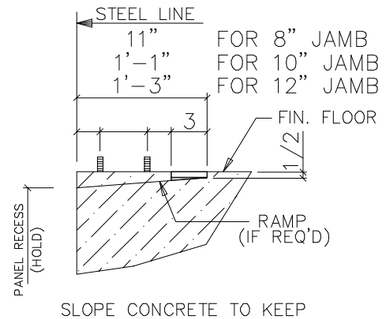
DEVELOPMENT, EMBEDMENT AND HOOK LENGTH OF ANCHOR BOLTS IN THE CONCRETE ARE DESIGN RESPONSIBILITY OF OTHERS. ALSO DESIGN OF SHEAR ANGLES, TENSION PLATES, HAIRPINS, AND ANY OTHER EMBEDDED MATERIAL IN THE CONCRETE SHALL BE DESIGNED AND PROVIDED BY OTHERS.

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



SLOPE CONCRETE TO KEEP WATER OUT OF BUILDING

CONCRETE DETAIL AT OVERHEAD DOOR

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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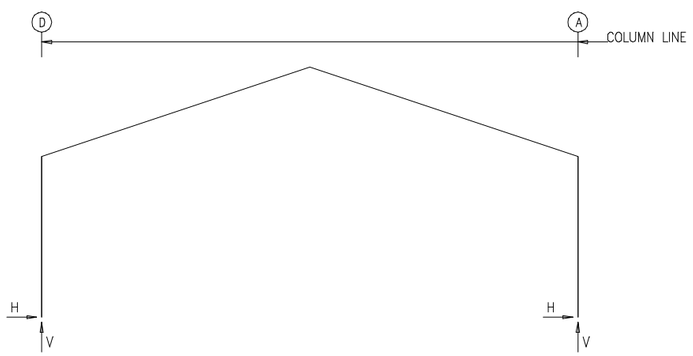
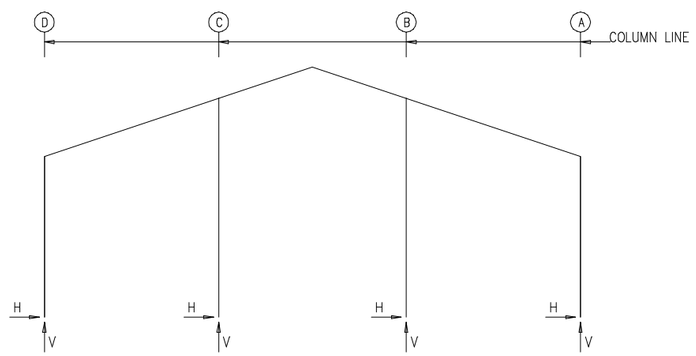
SCALE: N.T.S.

SHEET NUMBER: 4 OF 21
JOB NUMBER 94863
SHEET TITLE: ANCHOR BOLT DETAILS

FRAME LINES: 2 3 4



FRAME LINES: 5



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

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick	Grout (in)
2	D	1	23.9	51.7	7	−2.7	−4.8	4	0.750	8.000	20.00	0.375	0.0
2	A	8	2.7	−4.8	1	−23.9	51.7	4	0.750	8.000	20.00	0.375	0.0
		1	−23.9	51.7	8	2.7	−4.8						

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

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick	Grout (in)
3*	D	1	21.8	47.1	7	−2.5	−4.3	4	0.750	8.000	20.00	0.375	0.0
3*	A	8	2.5	−4.3	1	−21.8	47.1	4	0.750	8.000	20.00	0.375	0.0
		1	−21.8	47.1	8	2.5	−4.3						

3* FRAME lines: 3 4

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	= 40.00
Length (ft)	= 84.00
Eave Height (ft)	= 12.00/12.00
Roof Slope (rise/12)	= 4.0:12/4.0:12
Dead Load (psf)	= 3.45
Collateral Load (psf)	= 22.00
Live Load (psf)	= 20.00
Snow Load (psf)	= 80.00
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)	= 0.47

ID	Description
1	Dead+Collateral+Snow+Slide_Snow
2	Dead+Collateral+0.75Live+0.45Wind_Long1R
3	Dead+Collateral+0.75Live+0.45Wind_Long2L
4	Dead+Collateral+0.75Snow+0.45Wind_Left1+0.75Snow_Drift
5	Dead+Collateral+0.75Snow+0.45Wind_Left1+0.75Slide_Snow
6	Dead+Collateral+0.75Snow+0.45Wind_Right1
7	0.6Dead+0.6Wind_Left1
8	0.6Dead+0.6Wind_Right1
9	0.6Dead+0.6Wind_Left2
10	0.6Dead+0.6Wind_Right2
11	Dead+Collateral+F3UNB_SL_L
12	Dead+Collateral+F3UNB_SL_R
13	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
14	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
15	Dead+Collateral+E1UNB_SL_L
16	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L
17	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
18	Dead+Collateral+E1UNB_SL_R
19	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
20	Dead+Collateral+E2UNB_SL_L
21	Dead+Collateral+E2UNB_SL_R

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	1	B,A	1.6	1.9	2.9	3.3			
F_SW	A	2,3	1.5	1.5	4.6	4.7			(b)
R_EW	5								(h)
B_SW	D	2,3	1.5	1.5	4.6	4.7			(b)

(b)Wind bent in bay, base above finish floor
(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
○	4	JAMB	5/8"	A307
○	4	ENDWALL	5/8"	A307
○	4	PC	5/8"	A307
⊠	16	ENDWALL	3/4"	A307
⊠	32	FRAME	3/4"	A307

MAXIMUM REACTION

Part Id	Orient	--Max(k)-- Dead Vert	Wind Horz
1	Trans.	0.0	0.6

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

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick	Grout (in)
5	D	6	1.1	6.3	9	−0.9	−0.9	4	0.750	6.000	12.00	0.375	0.0
		1	0.7	8.4	7	−0.7	−1.5						
5	A	10	0.9	−0.9	5	−1.1	6.3	4	0.750	6.000	12.00	0.375	0.0
		1	−0.7	8.4	8	0.7	−1.5						
5	C	5	1.5	−1.9	3	−1.3	−1.8	4	0.750	6.000	8.000	0.375	0.0
		11	0.0	17.9	8	0.0	−1.1						
5	B	4	1.5	−1.9	2	−1.3	−1.8	4	0.750	6.000	8.000	0.375	0.0
		12	0.0	17.9	7	0.0	−1.1						

RIGID FRAME: BASIC COLUMN REACTIONS (k)

FRAME Line	Column Line	Dead Horz	Dead Vert	Collateral Horz	Collateral Vert	Live Horz	Live Vert	Snow Horz	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert
2	D	1.1	2.7	5.2	10.3	4.4	9.7	17.6	38.7	−5.7	−10.7	−0.5	−7.3
2	A	−1.1	2.7	−5.2	10.3	−4.4	9.7	−17.6	38.7	0.5	−7.3	5.7	−10.7

FRAME Line	Column Line	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seismic_Left Horz	Seismic_Left Vert	Seismic_Right Horz	Seismic_Right Vert
2	D	−5.2	−6.9	−0.1	−3.5	−0.7	−8.0	−1.8	−7.1	−2.3	−1.2	2.3	1.2
2	A	0.1	−3.5	5.2	−6.9	1.8	−7.1	0.7	−8.0	−2.3	1.2	2.3	−1.2

FRAME Line	Column Line	F1UNB_SL_L Horz	F1UNB_SL_L Vert	F1UNB_SL_R Horz	F1UNB_SL_R Vert
2	D	14.0	36.9	14.0	20.4
2	A	−14.0	20.4	−14.0	36.9

FRAME Line	Column Line	Dead Horz	Dead Vert	Collateral Horz	Collateral Vert	Live Horz	Live Vert	Snow Horz	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert
3*	D	1.0	2.6	4.7	9.4	4.0	8.8	16.0	35.2	−5.2	−9.8	−0.5	−6.6
3*	A	−1.0	2.6	−4.7	9.4	−4.0	8.8	−16.0	35.2	0.5	−6.6	5.2	−9.8

FRAME Line	Column Line	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seismic_Left Horz	Seismic_Left Vert	Seismic_Right Horz	Seismic_Right Vert
3*	D	−4.7	−6.3	−0.1	−3.1	−0.6	−7.3	−1.7	−6.5	−2.1	−1.1	2.1	1.1
3*	A	0.1	−3.1	4.7	−6.3	1.7	−6.5	0.6	−7.3	−2.1	1.1	2.1	−1.1

FRAME Line	Column Line	F2UNB_SL_L Horz	F2UNB_SL_L Vert	F2UNB_SL_R Horz	F2UNB_SL_R Vert
3*	D	12.7	33.6	12.7	18.6
3*	A	−12.7	18.6	−12.7	33.6

FRAME Line	Column Line	Dead Horz	Dead Vert	Collateral Horz	Collateral Vert	Live Horz	Live Vert	Snow Horz	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert
5	D	0.0	0.5	0.2	1.4	0.1	1.6	0.5	6.4	−1.2	−2.9	1.2	−1.0
5	A	0.0	0.5	−0.2	1.4	−0.1	1.6	−0.5	6.4	−1.2	−1.0	1.2	−2.9
5	C	0.0	0.9	0.0	3.3	0.0	2.9	0.0	11.5	0.0	−1.7	0.0	−2.7
5	B	0.0	0.9	0.0	3.3	0.0	2.9	0.0	11.5	0.0	−2.7	0.0	−1.7

FRAME Line	Column Line	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind_Press Horz	Wind_Press Vert	Wind_Suct Horz	Wind_Suct Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert
5	D	−1.5	−2.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	−1.6	0.3	−1.9
5	A	−0.8	0.0	1.5	−2.0	0.0	0.0	0.0	0.0	−0.3	−1.9	−0.8	−1.6
5	C	0.0	−0.9	0.0	−1.9	−2.2a	0.0	2.4a	0.0	0.0	−2.7	0.0	−0.8
5	B	0.0	−1.9	0.0	−0.9	−2.2a	0.0	2.4a	0.0	0.0	−0.8	0.0	−2.7

FRAME Line	Column Line	−Seismic_Left Horz	−Seismic_Left Vert	Seismic_Right Horz	Seismic_Right Vert	−Seismic_Long Horz	−Seismic_Long Vert	F3UNB_SL_L Horz	F3UNB_SL_L Vert	F3UNB_SL_R Horz	F3UNB_SL_R Vert
5	D	−1.2	−1.4	1.2	1.4	0.0	0.0	0.3	6.2	0.3	1.9
5	A	−1.2	1.4	1.2	−1.4	0.0	0.0	−0.3	1.9	−0.3	6.2
5	C	0.0	1.9	0.0	−1.9	0.1a	0.0	0.0	13.8	0.0	4.6
5	B	0.0	−1.9	0.0	1.9	0.1a	0.0	0.0	4.6	0.0	13.8

3* FRAME lines: 3 4

a − Out−Of−Plane Horizontal Load

	ENG.	CHK.	DWN.	DATE
ISSUE	RTS	MEZ	MEZ	04/08/24
APPROVAL	RTS	CAF	SB	07/26/24
PERMIT	RTS	PKD	PKD	08/13/24
ERECTION	RTS			

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SHEET NUMBER: 5 OF 21
JOB NUMBER 94863
SHEET TITLE: ANCHOR BOLT REACTIONS

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	0.4	1.5	1.8	7.2	0.0	−2.7	0.0	−2.3	0.0	−1.8	0.0	−1.4	−0.8
1	C	1.0	4.2	3.6	14.2	0.0	−4.4	0.0	−2.5	0.0	−3.2	0.0	−1.3	−2.2
1	B	1.0	4.2	3.6	14.2	−1.6	−5.1	0.0	−2.4	−1.6	−3.9	0.0	−1.2	−2.2
1	A	0.4	1.5	1.8	7.2	0.0	0.2	1.6	−4.8	0.0	1.2	1.6	−3.8	−0.8

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 Horz	E1UNB_SL_L− Horz	E1UNB_SL_L− Vert
1	D	0.9	0.0	−2.4	0.0	−1.6	0.0	0.2	0.0	−0.2	0.0	0.0	7.2
1	C	2.4	0.0	−3.8	0.0	−2.3	0.0	−0.3	0.0	0.3	0.1	0.0	16.8
1	B	2.4	0.0	−1.3	−0.9	−5.2	−2.9	−4.2	0.0	3.3	0.1	0.0	5.8
1	A	0.9	0.9	−2.6	0.0	−1.0	0.0	4.3	2.9	−3.3	0.0	0.0	1.9

Frm Line	Col Line	E1UNB_SL_R− Horz	E1UNB_SL_R− Vert
1	D	0.0	1.9
1	C	0.0	5.8
1	B	0.0	16.8
1	A	0.0	7.1

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

		Column_Reactions(k)						Bolt(in)		Base_Plate(in)			Grout
Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	QTY	DIA	Width	Length	Thick	(in)
1	D	13	0.6	−1.4	14	−0.5	−1.2	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	9.0	13	0.6	−1.4						
1	C	13	1.4	−2.0	14	−1.3	−1.7	4	0.750	6.000	8.000	0.375	0.0
		15	0.0	22.0	13	1.4	−2.0						
1	B	16	1.4	−2.5	17	−1.3	−2.5	4	0.750	6.000	8.000	0.375	0.0
		18	0.0	22.0	16	1.4	−2.5						
1	A	19	0.6	−2.6	14	−0.5	−1.4	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	9.0	19	0.6	−2.6						

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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SCALE: N.T.S.

SHEET NUMBER: 6 OF 21
JOB NUMBER 94863
SHEET TITLE: ANCHOR BOLT REACTIONS

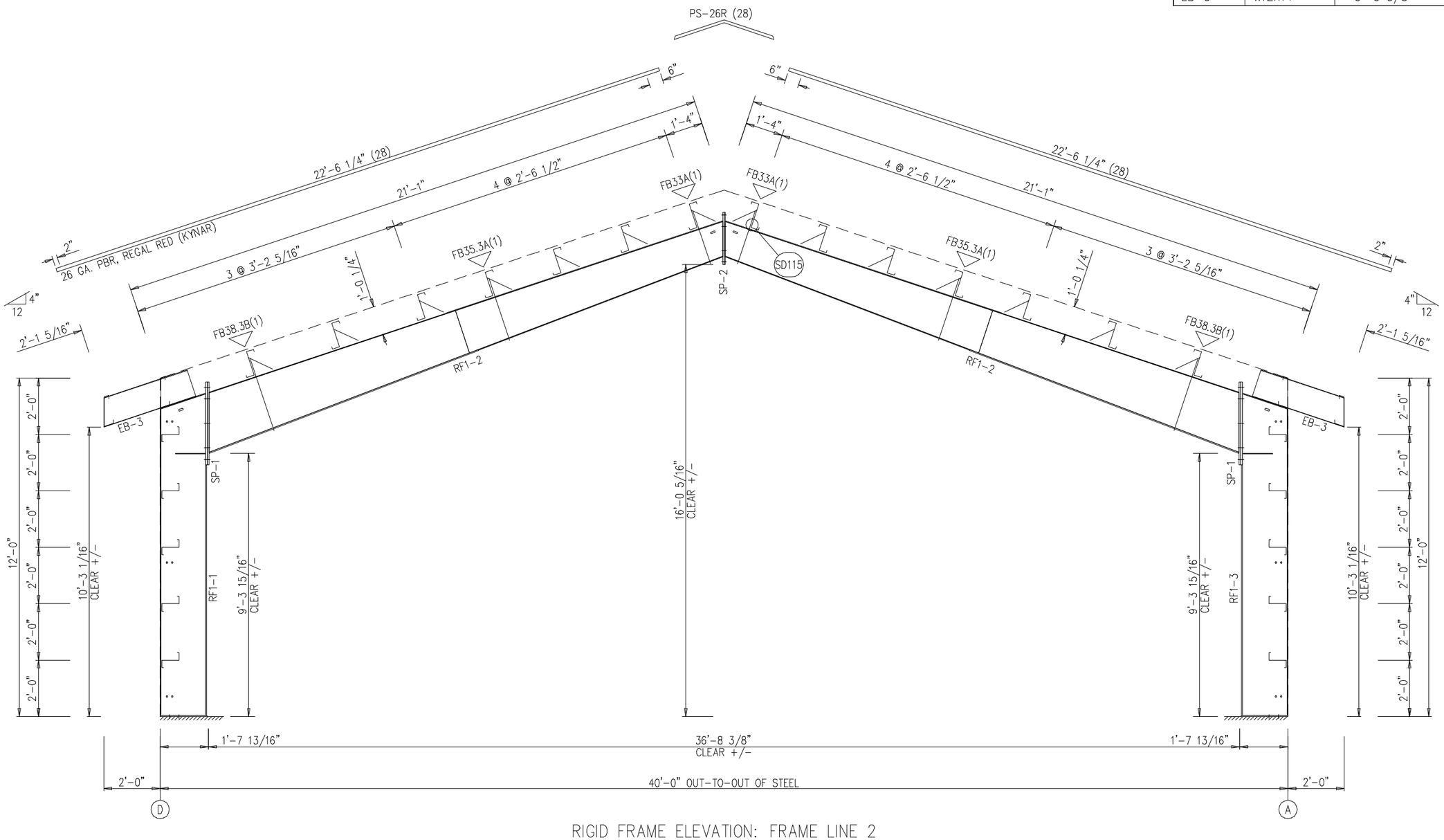
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	2	A325	1 1/4	3"
SP-2	4	4	0	A325	5/8"	2"

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

B – 2X2X1/8
A – 2X2X14Ga

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	19.0/19.0	0.313	11'-4 13/16"	8 x 5/16" x 10'-10 3/8" 8 x 5/16" x 1'-8 1/4"	8 x 1/2" x 8'-10 3/4"
RF1-2	24.0/18.9	0.188	9'-10 1/2"	8 x 1/4" x 8'-10 7/16"	8 x 1/2" x 10'-2 5/8"
	18.9/14.0	0.135	10'-0"	8 x 5/16" x 10'-4"	8 x 1/4" x 9'-3 3/8"
RF1-3	19.0/19.0	0.313	11'-4 13/16"	8 x 5/16" x 1'-8 1/4" 8 x 5/16" x 10'-10 3/8"	8 x 1/2" x 8'-10 3/4"

MEMBER TABLE		
MARK	PART	LENGTH
EB-3	W12X14	3'-5 3/8"



RIGID FRAME ELEVATION: FRAME LINE 2

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	RTS	RTS
PERMIT	07/26/24	SB	MEZ	CAF
ERECTION	08/13/24	PKD	PKD	PKD

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SCALE: N.T.S.

SHEET NUMBER: 7 OF 21
JOB NUMBER 94863
SHEET TITLE: RIGID FRAME ELEVATION

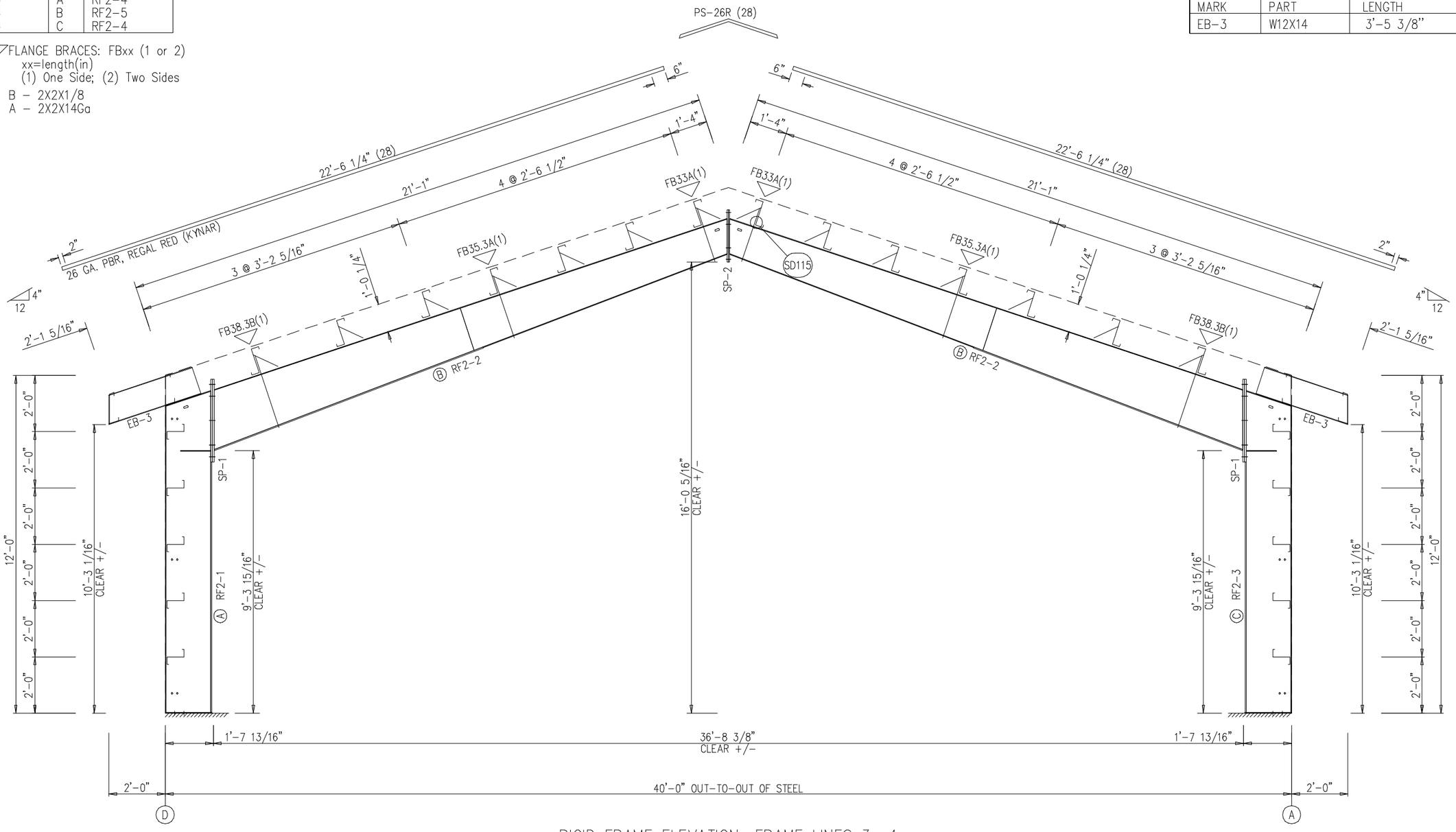
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	2	A325	1 1/4	3"
SP-2	4	4	0	A325	5/8"	2"

ALTERNATE MEMBER		
Frame Line	OID	Mark
4	A	RF2-4
4	B	RF2-5
4	C	RF2-4

▽FLANGE BRACES: FBxx (1 or 2)
xx=length(in)
(1) One Side; (2) Two Sides
B – 2X2X1/8
A – 2X2X14Ga

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-1	19.0/19.0	0.313	11'-4 13/16"	8 x 5/16" x 10'-10 3/8" 8 x 5/16" x 1'-8 1/4"	8 x 1/2" x 8'-10 3/4"
RF2-2	24.0/18.9 18.9/14.0	0.188 0.135	9'-10 1/2" 10'-0"	8 x 1/4" x 8'-10 7/16" 8 x 5/16" x 10'-4"	8 x 1/2" x 10'-2 5/8" 8 x 1/4" x 9'-3 3/8"

MEMBER TABLE		
MARK	PART	LENGTH
EB-3	W12X14	3'-5 3/8"



RIGID FRAME ELEVATION: FRAME LINES 3 4

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	RTS	RTS
PERMIT	07/26/24	SB	MEZ	CAF
ERECTION	08/13/24	PKD	PKD	PKD

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SCALE: N.T.S.

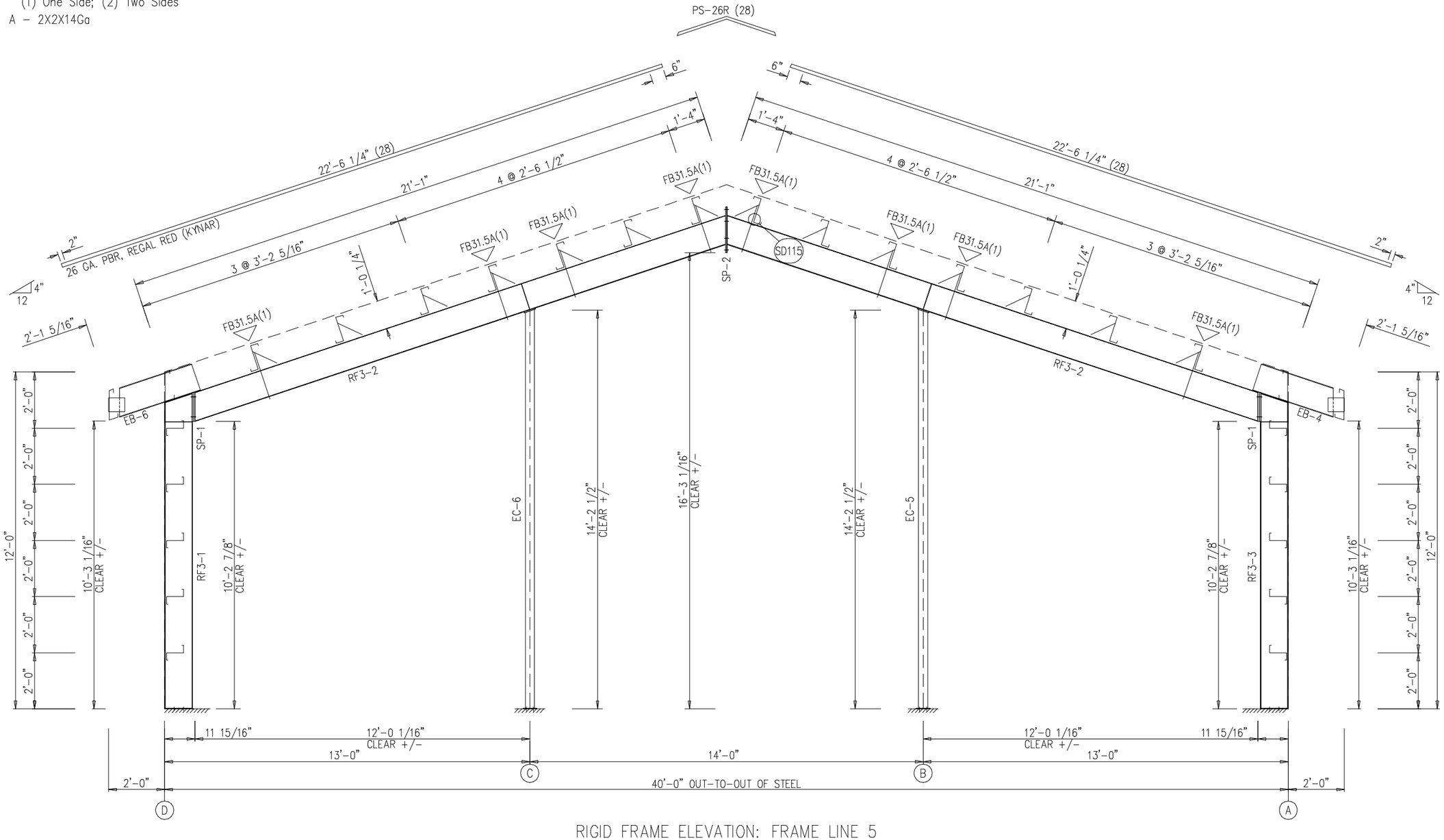
SHEET NUMBER: 8 OF 21
JOB NUMBER 94863
SHEET TITLE: RIGID FRAME ELEVATION

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

CAP PLATE BOLTS				
Mark	Qty	Type	Dia	Length
EC-6	4	A325	5/8"	1 1/2"
EC-5	4	A325	5/8"	1 1/2"

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF3-1	W12X14	10'-11 1/16"
RF3-2	W12X14	20'-0"
RF3-3	W12X14	10'-11 1/16"
EC-6	W8X10	14'-3 3/16"
EC-5	W8X10	14'-3 3/16"
EB-4	W12X14	3'-5 3/8"
EB-6	W12X14	3'-5 3/8"

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



RIGID FRAME ELEVATION: FRAME LINE 5

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	RTS	RTS
PERMIT	07/26/24	SB	CAF	PKD
ERECTION	08/13/24	PKD	PKD	RTS

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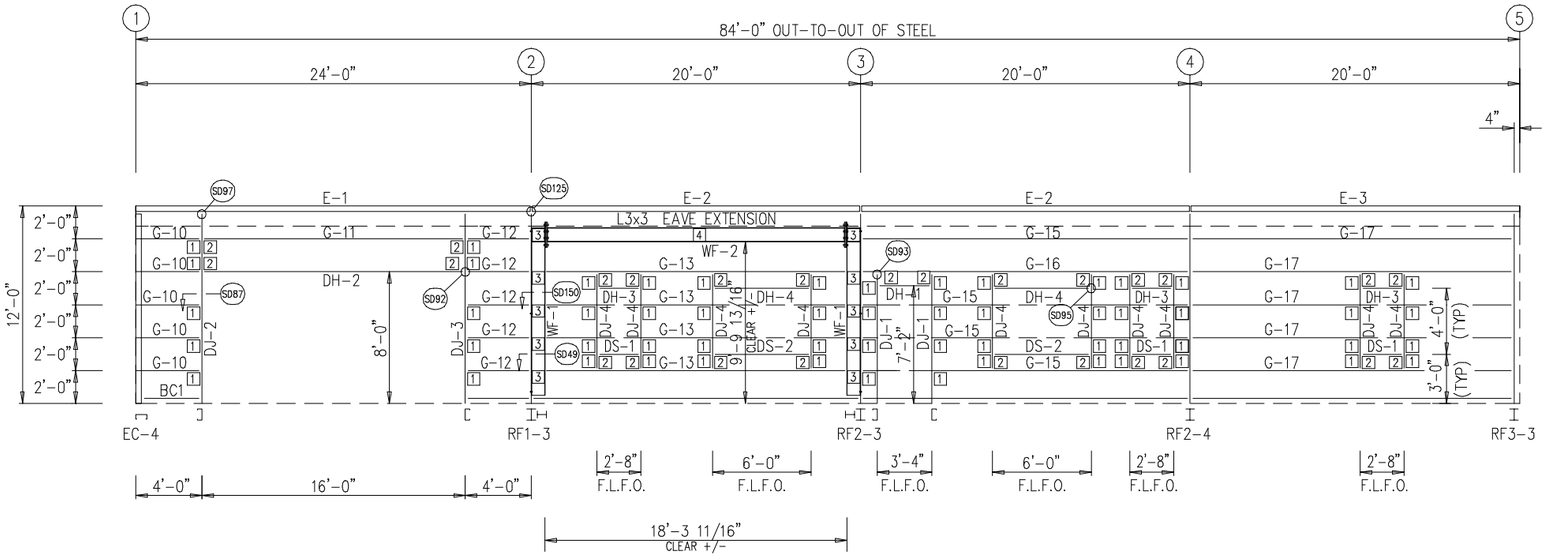
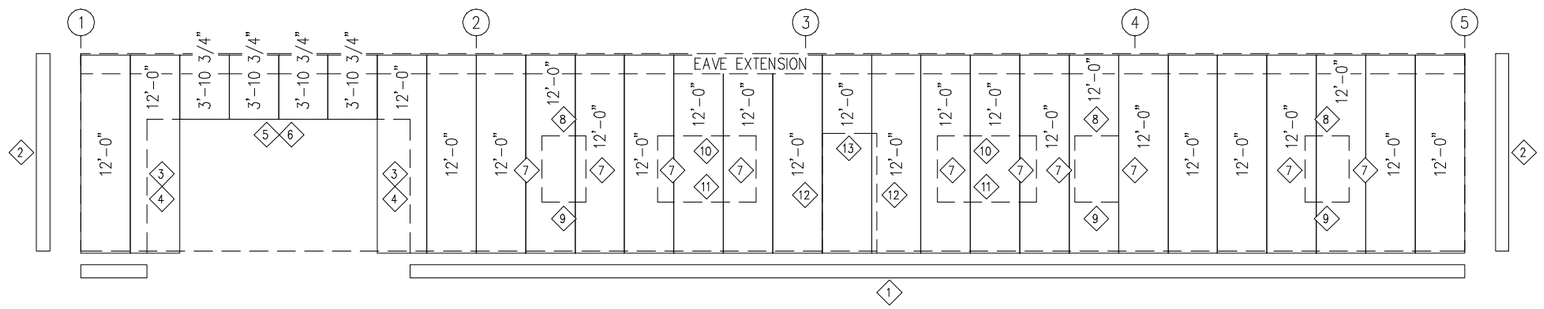
CUSTOMER EMAIL:
SCALE: N.T.S.

SHEET NUMBER: 9 OF 21
JOB NUMBER 94863
SHEET TITLE: RIGID FRAME ELEVATION



SIDEWALL FRAMING: FRAME LINE A

NOTE: F.L.F.O. = FIELD LOCATED FRAME OPENING



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 GA. PBR – ASH GRAY

TRIM TABLE
FRAME LINE A

◇ID	QUAN	PART	LENGTH	DETAIL
1	7	FL-60	10'-2"	TD75
2	2	FL-10	12'-0"	TD40
3	2	FL-55	8'-2"	TD51
4	2	FL-48	8'-2"	TD51
5	1	FL-55	16'-7"	TD52
6	1	FL-52	16'-4"	TD52
7	10	FL-48	4'-0"	TD51
8	3	FL-52	3'-0"	TD52
9	3	FL-50	3'-0"	TD52
10	2	FL-52	6'-4"	TD52
11	2	FL-50	6'-4"	TD52
12	2	FL-48	7'-4"	TD51
13	1	FL-52	3'-8"	TD52

BOLT TABLE
FRAME LINE A

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

MEMBER TABLE
FRAME LINE A

QUAN	MARK	PART	LENGTH
2	WF-1	W10X15	10'-2"
1	WF-2	W10X22	18'-2 1/4"
2	DJ-1	8x25C16	7'-8"
1	DJ-2	8x25C16	11'-1 3/4"
1	DJ-3	8x25C16	11'-1 3/4"
10	DJ-4	8x25C16	5'-4"
1	DH-1	8x25C16	3'-3 1/2"
1	DH-2	8x25C16	15'-11 1/2"
3	DH-3	8x25C16	2'-7 1/2"
2	DH-4	8x25C16	5'-11 1/2"
3	DS-1	8x25C16	2'-7 1/2"
2	DS-2	8x25C16	5'-11 1/2"
1	E-1	L12E16-4	22'-11 13/16"
2	E-2	L12E16-4	19'-3 13/16"
1	E-3	L12E16-4	18'-11 13/16"
5	G-10	8X25Z16	3'-7 11/16"
1	G-11	8X25Z16	15'-11 1/2"
5	G-12	8X25Z16	3'-2 13/16"
4	G-13	8X25Z16	18'-3 3/16"
4	G-15	8X25Z16	19'-1 11/16"
1	G-16	8X25Z14	19'-1 11/16"
5	G-17	8X25Z16	18'-10 3/4"

CONNECTION PLATES
FRAME LINE A

□ID	QUAN	MARK
1	58	CL-103
2	26	CL-100
3	10	4" ZEE – 9"
4	1	4" ZEE – 18'-0"

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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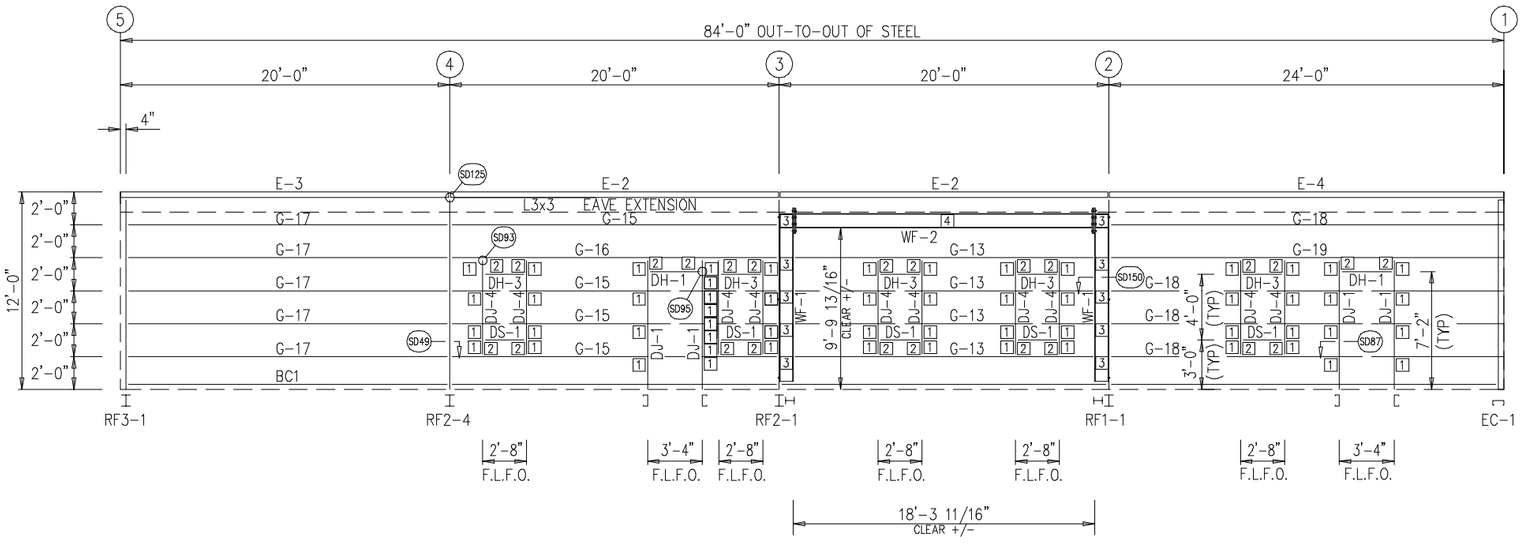
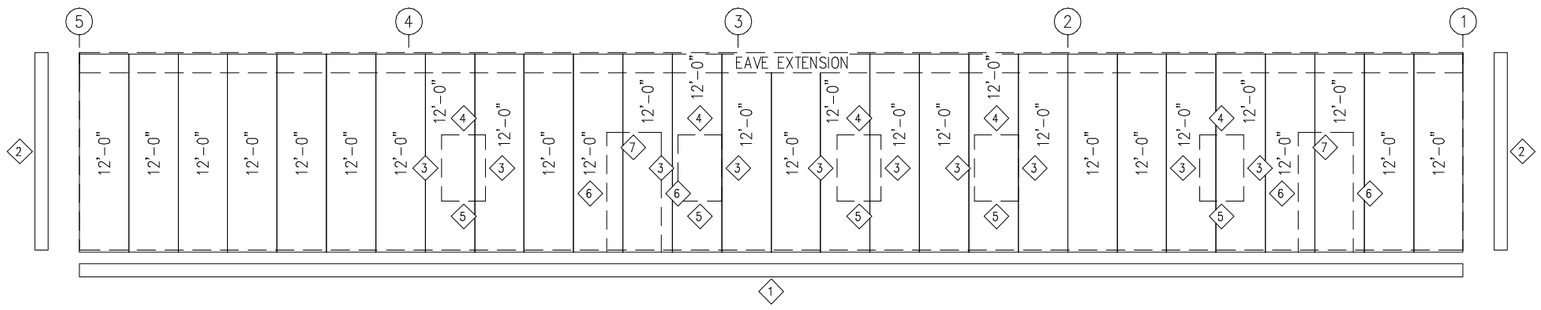
CUSTOMER EMAIL:
SCALE: N.T.S.

SHEET NUMBER: 10 OF 21
JOB NUMBER 94863
SHEET TITLE: SIDEWALL FRAMING & SHEETING



SIDEWALL FRAMING: FRAME LINE D

NOTE: F.L.F.O. = FIELD LOCATED FRAME OPENING



SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 GA. PBR – ASH GRAY

TRIM TABLE
FRAME LINE D

◇ID	QUAN	PART	LENGTH	DETAIL
1	9	FL-60	10'-2"	TD75
2	2	FL-10	12'-0"	TD40
3	10	FL-48	4'-0"	TD51
4	5	FL-52	3'-0"	TD52
5	5	FL-50	3'-0"	TD52
6	4	FL-48	7'-4"	TD51
7	2	FL-52	3'-8"	TD52

BOLT TABLE
FRAME LINE D

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

MEMBER TABLE
FRAME LINE D

QUAN	MARK	PART	LENGTH
2	WF-1	W10X15	10'-2"
1	WF-2	W10X22	18'-2 9/16"
4	DJ-1	8x25C16	7'-8"
10	DJ-4	8x25C16	5'-4"
2	DH-1	8x25C16	3'-3 1/2"
5	DH-3	8x25C16	2'-7 1/2"
5	DS-1	8x25C16	2'-7 1/2"
2	E-2	L12E16-4	19'-3 13/16"
1	E-3	L12E16-4	18'-11 13/16"
1	E-4	L12E16-4	22'-11 13/16"
4	G-13	8X25Z16	18'-3 3/16"
4	G-15	8X25Z16	19'-1 11/16"
1	G-16	8X25Z14	19'-1 11/16"
5	G-17	8X25Z16	18'-10 3/4"
4	G-18	8X25Z16	23'-6 5/8"
1	G-19	8X25Z12	23'-6 5/8"

CONNECTION PLATES
FRAME LINE D

□ID	QUAN	MARK
1	56	CL-103
2	24	CL-100
3	10	4" ZEE – 9"
4	1	4" ZEE – 18'-0"

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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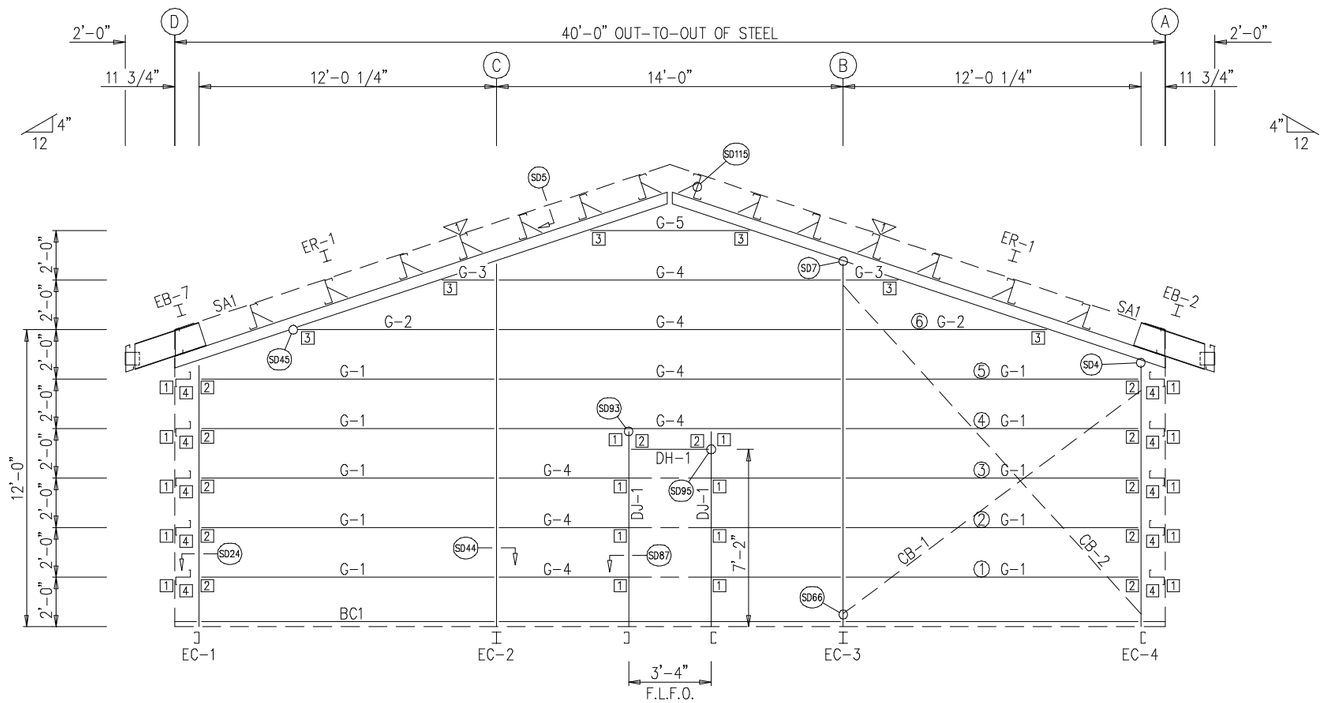
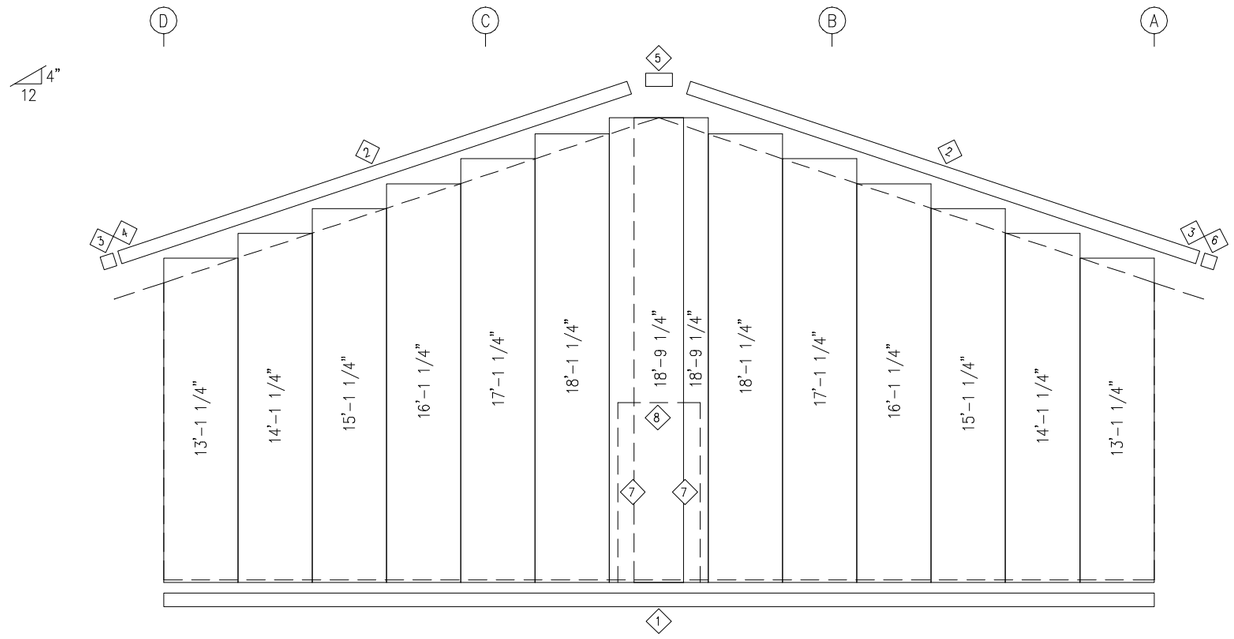
SCALE: N.T.S.

SHEET NUMBER: 11 OF 21
JOB NUMBER 94863
SHEET TITLE: SIDEWALL FRAMING & SHEETING



ENDWALL FRAMING: FRAME LINE 1

NOTE: F.L.F.O. = FIELD LOCATED FRAME OPENING



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 GA. PBR – ASH GRAY

TRIM TABLE
FRAME LINE 1

◇ID	QUAN	PART	LENGTH	DETAIL
1	4	FL-60	10'-2"	TD75
2	6	FL-15	8'-3"	TD36
3	2	FL-601E	8 1/8"	TD85
4	1	FL-600L	5 5/8"	TD12
5	1	FL-17	1'-4"	
6	1	FL-600R	5 5/8"	TD12
7	2	FL-48	7'-4"	TD51
8	1	FL-52	3'-8"	TD52

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-1	8	A325	5/8"	1 3/4"
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE 1

QUAN	MARK	PART	LENGTH
1	EB-2	W12X14	3'-5 3/8"
1	EB-7	W12X14	3'-5 3/8"
1	EC-1	8x25C16	10'-3 7/8"
1	EC-2	W8X10	14'-3 15/16"
1	EC-3	W8X10	14'-3 15/16"
1	EC-4	8x25C16	10'-3 7/8"
2	ER-1	W10X12	21'-0 3/4"
2	DJ-1	8x25C16	7'-8"
1	DH-1	8x25C16	3'-3 1/2"
10	G-1	8X25Z16	11'-7 15/16"
2	G-2	8X25Z16	6'-6 11/16"
2	G-3	8X25Z16	6 11/16"
7	G-4	8X25Z16	13'-3 13/16"
1	G-5	8X25Z16	3'-9 5/8"
1	CB-1	CB0500	15'-6 1/4"
1	CB-2	CB0500	18'-4 3/4"

FIELD WORK TABLE
FRAME LINE 1

○ID	DETAIL	DIMENSION 1	DIMENSION 2
1	SD202	1'-7 7/16"	10'-4 1/16"
2	SD202	4'-3 7/16"	8'-6 5/16"
3	SD202	6'-8 9/16"	6'-11 7/16"
4	SD202	4'-10 13/16"	9'-7 1/2"
5	SD202	3'-1 1/16"	–
6	SD202	1'-3 5/16"	–

CONNECTION PLATES
FRAME LINE 1

□ID	QUAN	MARK
1	18	CL-103
2	12	CL-100
3	6	CL-109E
4	10	CL-5

FLANGE BRACE TABLE
FRAME LINE 1

▽ID	QUAN	MARK
1	2	FB30.5

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	RTS	RTS
PERMIT	07/26/24	SB	CAF	
ERECTION	08/13/24	PKD	PKD	

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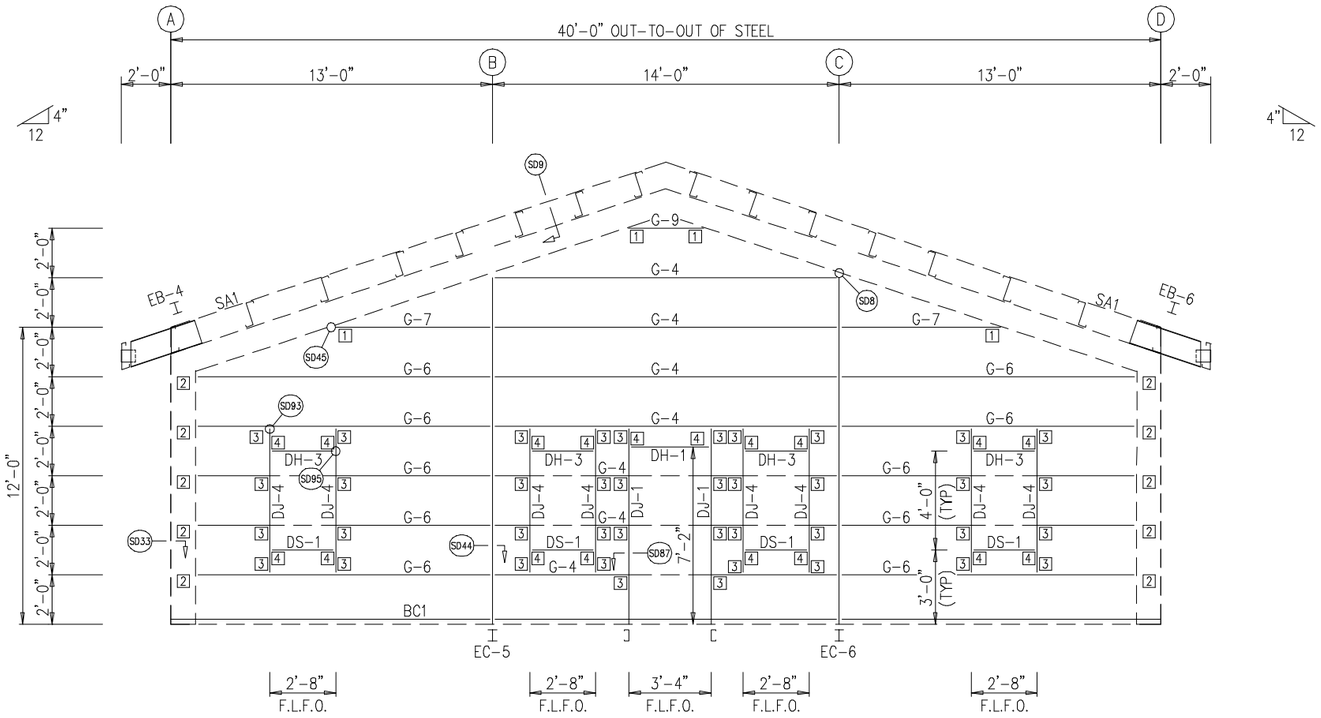
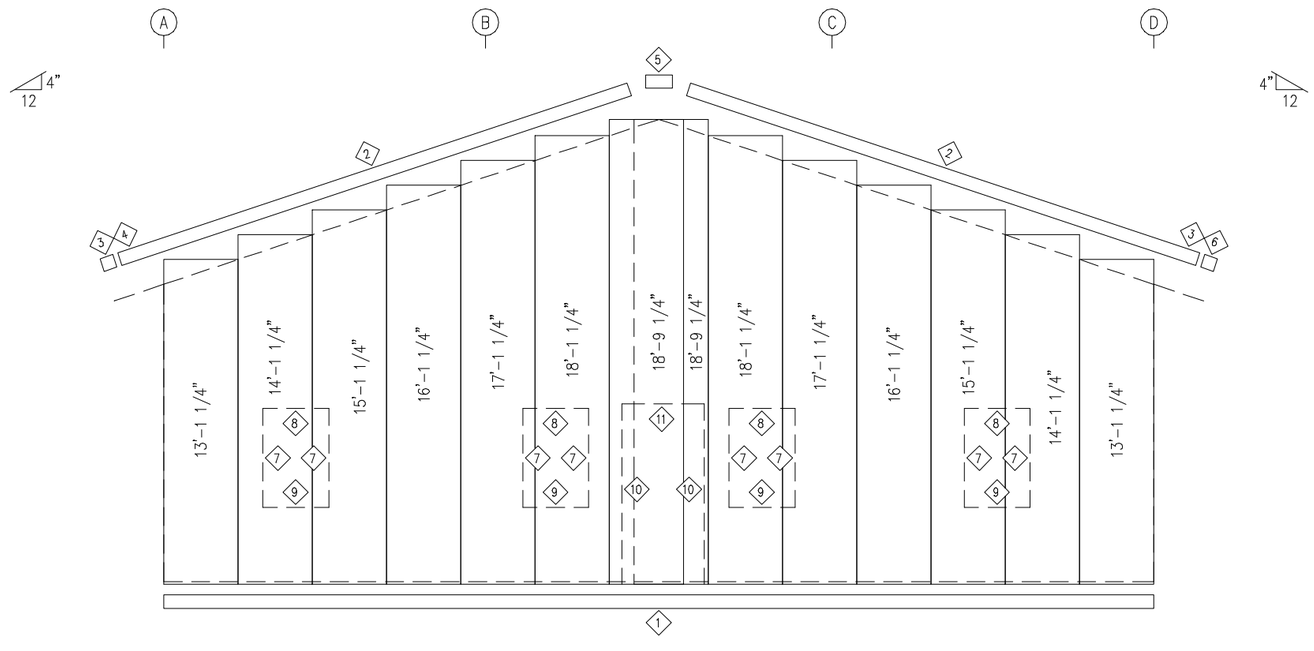
SCALE: N.T.S.

SHEET NUMBER: 12 OF 21
JOB NUMBER 94863
SHEET TITLE: ENDWALL FRAMING & SHEETING



ENDWALL FRAMING: FRAME LINE 5

NOTE: F.L.F.O. = FIELD LOCATED FRAME OPENING



ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 GA. PBR – ASH GRAY

TRIM TABLE
FRAME LINE 5

◇ID	QUAN	PART	LENGTH	DETAIL
1	4	FL-60	10'-2"	TD75
2	6	FL-15	8'-3"	TD36
3	2	FL-601E	8 1/8"	TD85
4	1	FL-600L	5 5/8"	TD12
5	1	FL-17	1'-4"	
6	1	FL-600R	5 5/8"	TD12
7	8	FL-48	4'-0"	TD51
8	4	FL-52	3'-0"	TD52
9	4	FL-50	3'-0"	TD52
10	2	FL-48	7'-4"	TD51
11	1	FL-52	3'-8"	TD52

BOLT TABLE
FRAME LINE 5

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

MEMBER TABLE
FRAME LINE 5

QUAN	MARK	PART	LENGTH
1	EB-4	W12X14	3'-5 3/8"
1	EB-6	W12X14	3'-5 3/8"
1	EC-5	W8X10	14'-3 3/16"
1	EC-6	W8X10	14'-3 3/16"
2	DJ-1	8x25C16	7'-8"
8	DJ-4	8x25C16	5'-4"
1	DH-1	8x25C16	3'-3 1/2"
4	DH-3	8x25C16	2'-7 1/2"
4	DS-1	8x25C16	2'-7 1/2"
7	G-4	8X25Z16	13'-3 13/16"
10	G-6	8X25Z16	11'-7 3/4"
2	G-7	8X25Z16	6'-0 3/16"
1	G-9	8X25Z16	2'-8 9/16"

CONNECTION PLATES
FRAME LINE 5

□ID	QUAN	MARK
1	4	CL-109E
2	10	4" ZEE - 11"
3	40	CL-103
4	18	CL-100

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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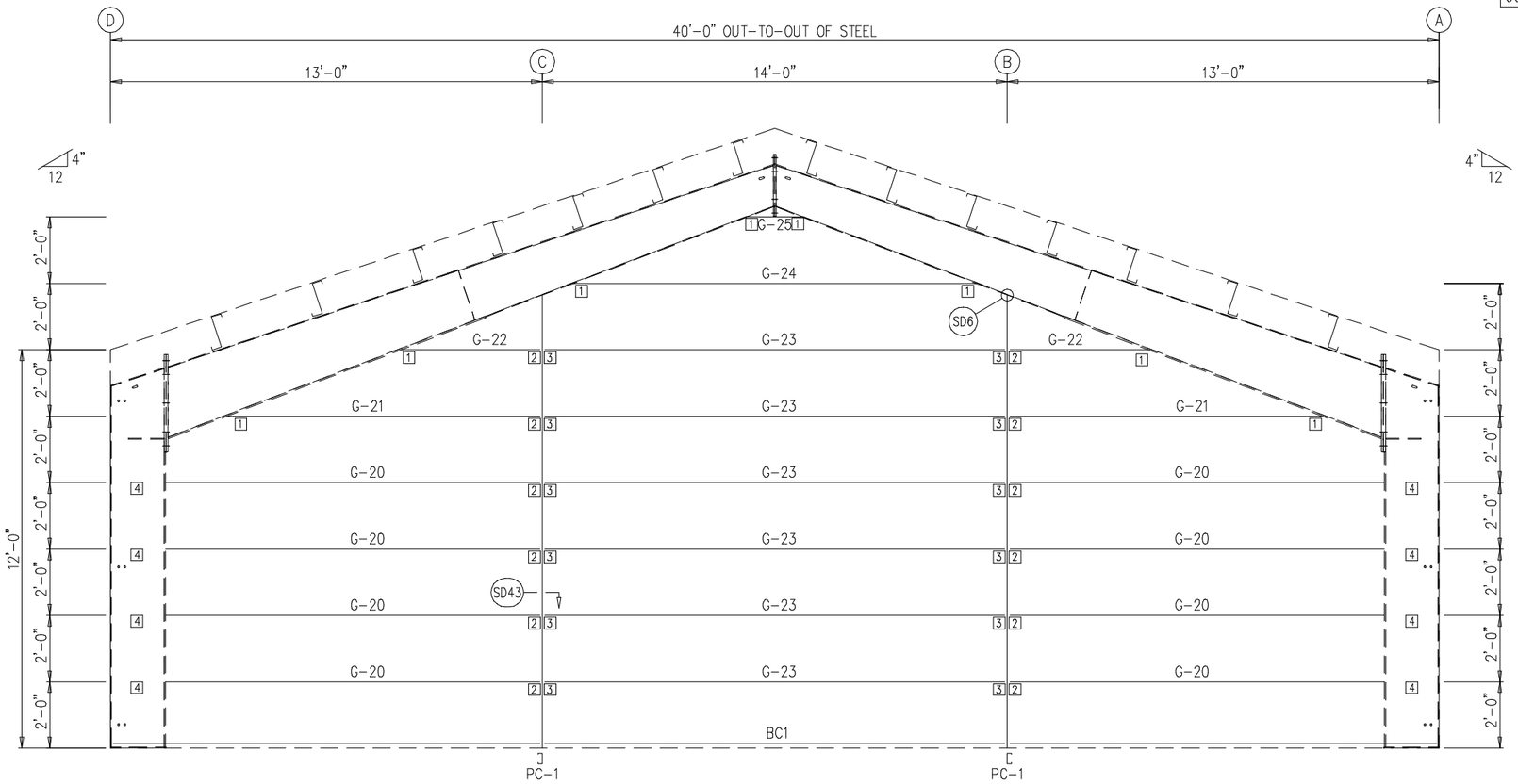
SCALE: N.T.S.

SHEET NUMBER: 13 OF 21
JOB NUMBER 94863
SHEET TITLE: ENDWALL FRAMING & SHEETING

MEMBER TABLE FRAME LINE 2			
QUAN	MARK	PART	LENGTH
2	PC-1	8x25C16	13'-6 15/16"
8	G-20	8X25Z16	10'-11 7/8"
2	G-21	8X25Z16	8'-10 9/16"
2	G-22	8X25Z16	3'-7 5/8"
6	G-23	8X25Z16	13'-11 1/2"
1	G-24	8X25Z16	11'-7"
1	G-25	8X25Z16	1'-1 3/16"

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

CONNECTION PLATES FRAME LINE 2		
☐ID	QUAN	MARK
1	8	CL-109F
2	12	CL-103
3	12	CL-100
4	8	4" ZEE - 1'-6"



PARTITION 1 FRAMING: FRAME LINE 2

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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SCALE: N.T.S.

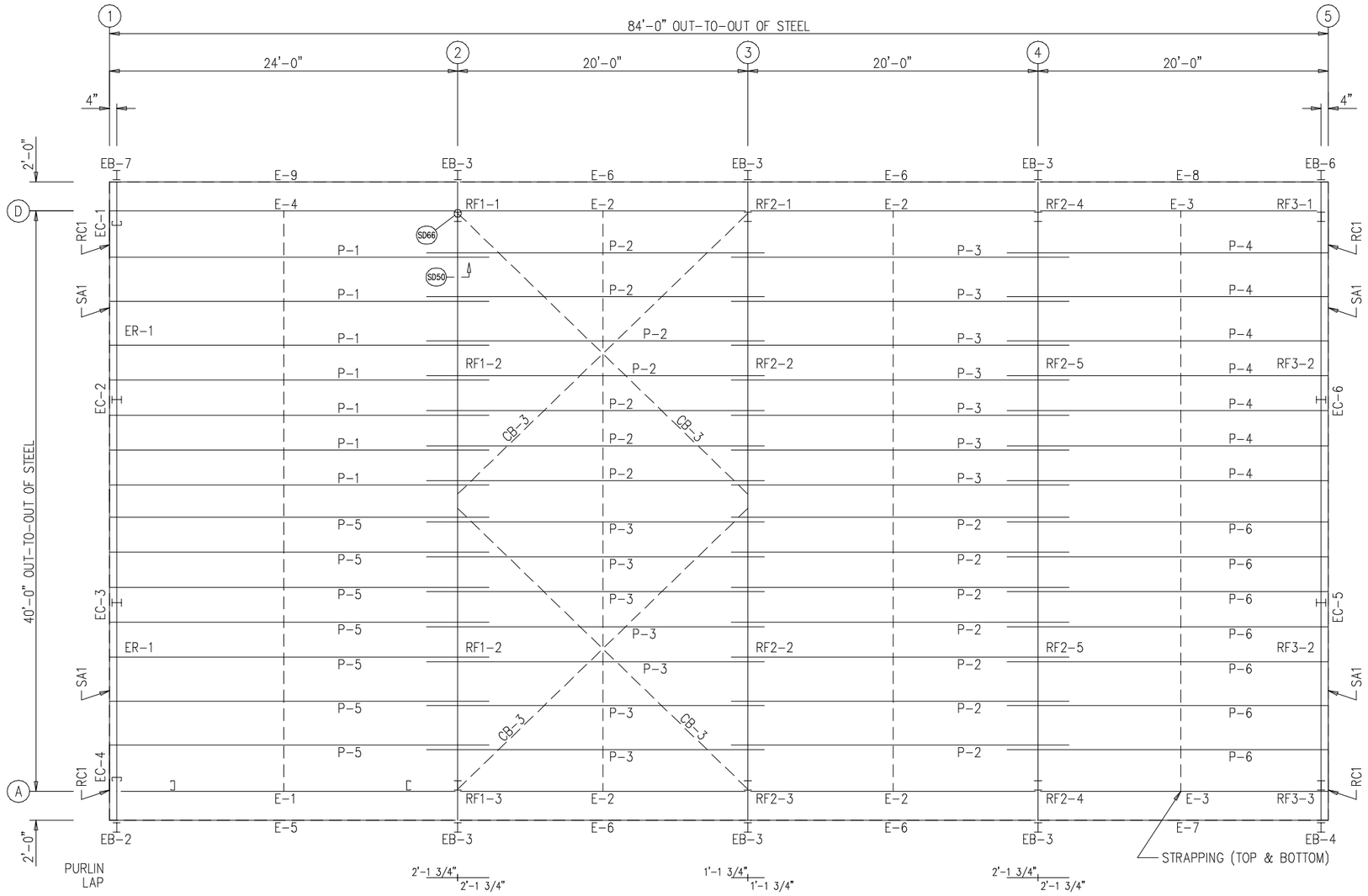
SHEET NUMBER: 14 OF 21
JOB NUMBER 94863
SHEET TITLE: PARTITION FRAMING

BOLT TABLE
ROOF PLAN

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

MEMBER TABLE
ROOF PLAN

QUAN	MARK	PART	LENGTH
1	EB-2	W12X14	3'-5 3/8"
6	EB-3	W12X14	3'-5 3/8"
1	EB-4	W12X14	3'-5 3/8"
1	EB-6	W12X14	3'-5 3/8"
1	EB-7	W12X14	3'-5 3/8"
7	P-1	12X25Z12	26'-1 1/2"
14	P-2	12X25Z12	23'-3 1/2"
14	P-3	12X25Z12	23'-3 1/2"
7	P-4	12X25Z12	22'-1 1/2"
7	P-5	12X25Z12	26'-1 1/2"
7	P-6	12X25Z12	22'-1 1/2"
1	E-1	L12E16-4	22'-11 13/16"
4	E-2	L12E16-4	19'-3 13/16"
2	E-3	L12E16-4	18'-11 13/16"
1	E-4	L12E16-4	22'-11 13/16"
1	E-5	L12E12-4	23'-7 5/8"
4	E-6	L12E14-4	19'-3 13/16"
1	E-7	L12E14-4	19'-7 5/8"
1	E-8	L12E14-4	19'-7 5/8"
1	E-9	L12E12-4	23'-7 5/8"
4	CB-3	CB0313	28'-8 1/2"



ROOF FRAMING PLAN

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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SCALE: N.T.S.
SHEET NUMBER: 15 OF 21
JOB NUMBER 94863
SHEET TITLE: ROOF FRAMING PLAN

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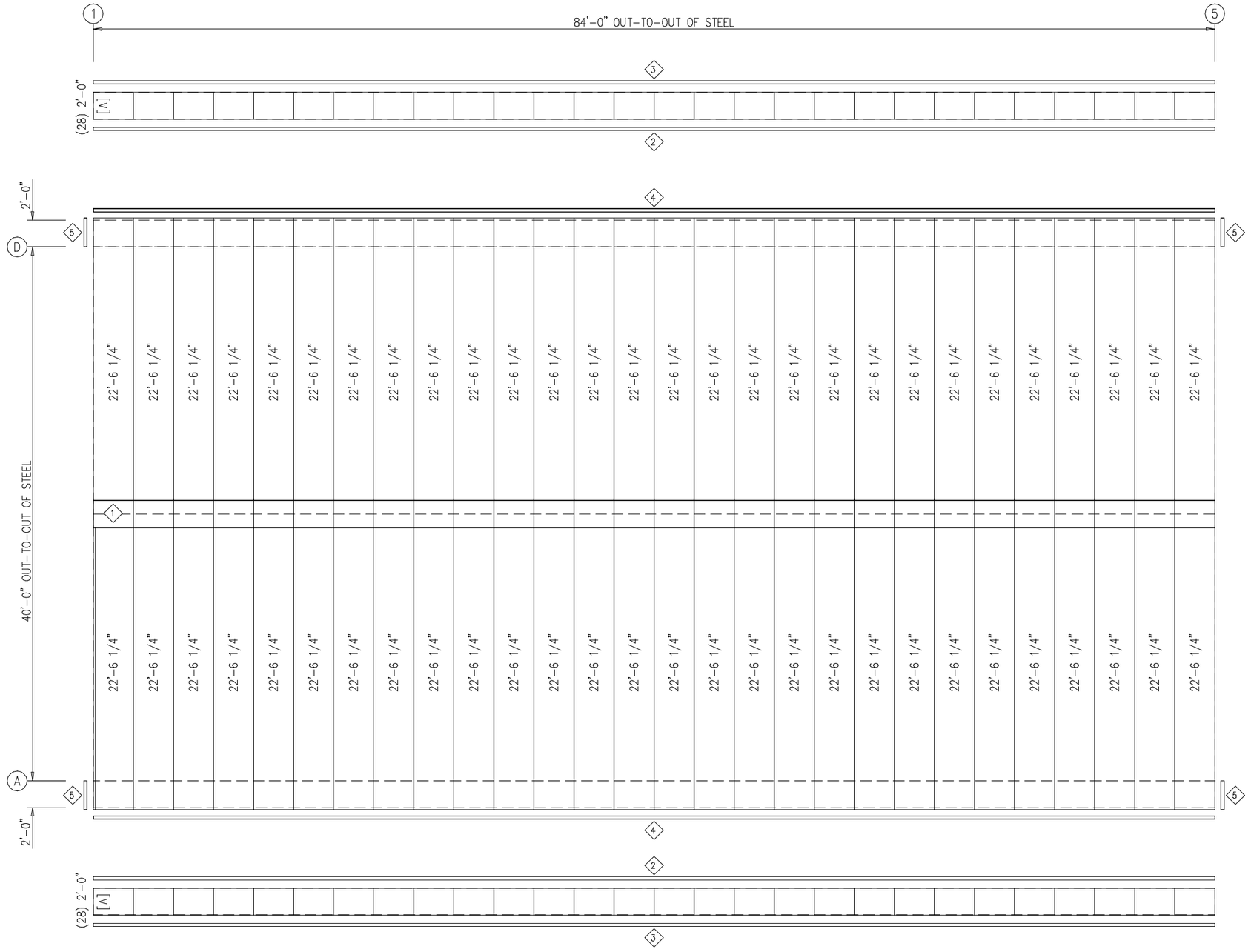
TRIM TABLE ROOF PLAN				
◇ID	QUAN	PART	LENGTH	DETAIL
1	28	PS-26R	3'-0"	TD8
2	16	FL-501	10'-9"	TD236
3	16	FL-500	10'-9"	TD21
4	16	FL-214	10'-9"	TD21
5	4	FL-368	2'-2"	TD64



ROOF SHEETING PLAN

PANELS: 26 GA. PBR – REGAL RED (KYNAR)
[A] SOFFIT PANELS: 26 GA. PBR – SOLAR WHITE

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS
REVISED ERECTION	01/09/25	PKD	PKD	RTS

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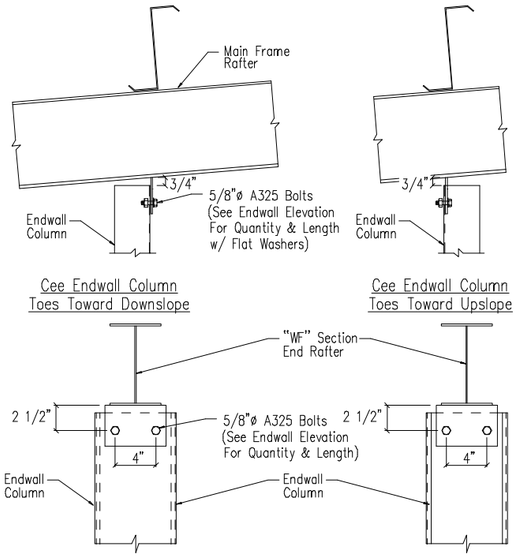
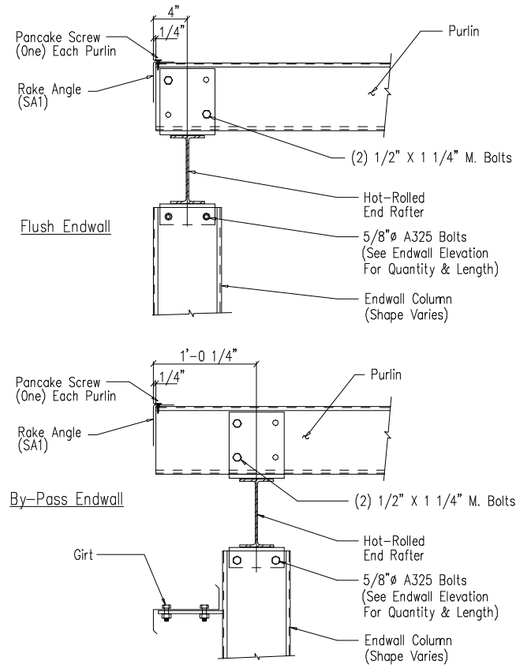
CUSTOMER EMAIL:
SCALE: N.T.S.

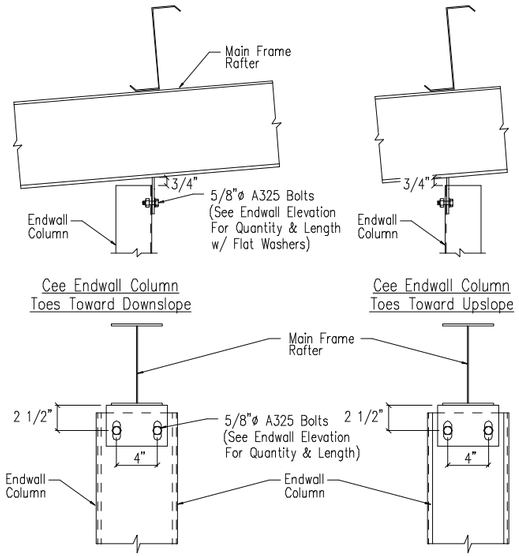
SHEET NUMBER: 16 OF 21
JOB NUMBER 94863
SHEET TITLE: ROOF SHEETING PLAN



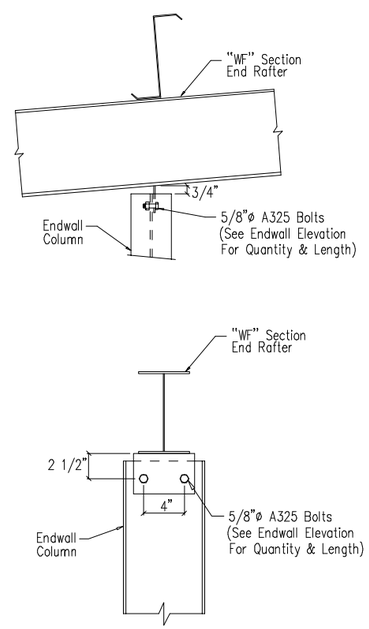
Cold Form Column to Hot Rolled Rafter — DRAWING NO. SD4



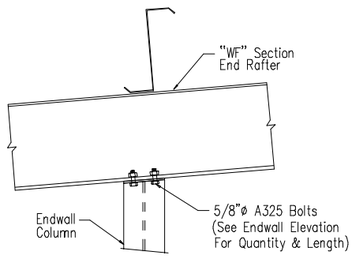
Section Thru Rake w/Hot Rolled Rafter — DRAWING NO. SD5



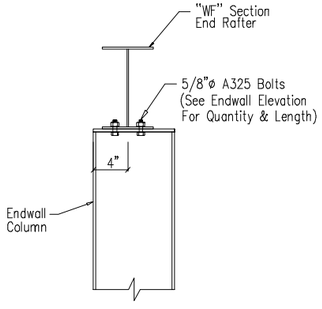
Cold Form Column to Main Frame Rafter — DRAWING NO. SD6

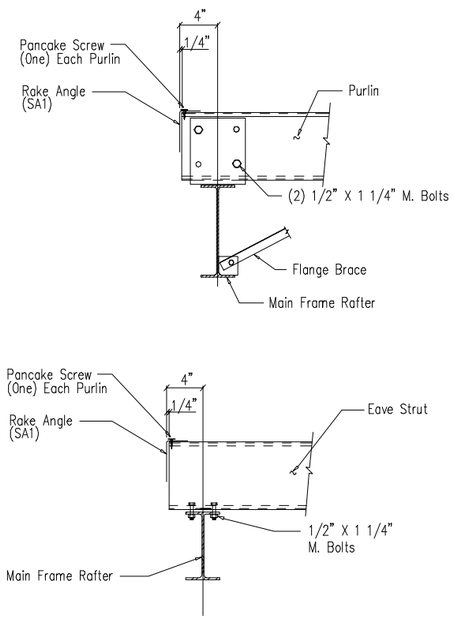


Hot Rolled Column to Hot Rolled Rafter — DRAWING NO. SD7

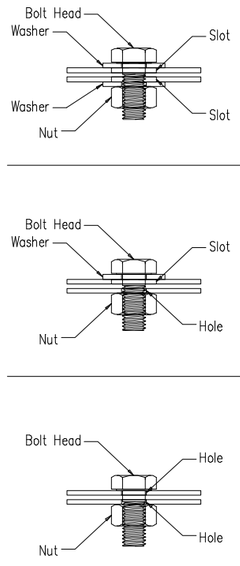


Hot Rolled Column to Hot Rolled Rafter — DRAWING NO. SD8

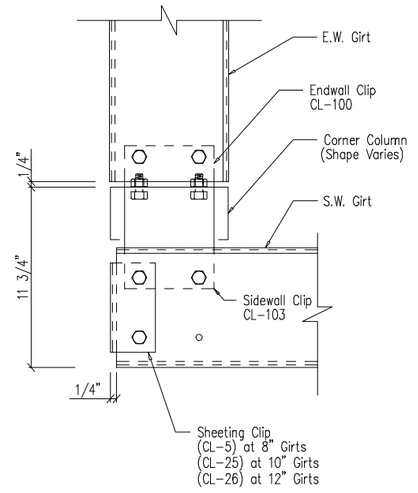




Main Frame Rafter Connection
PURLIN & EAVE STRUT CONNECTION
Created On: 7/22/11
DRAWING NO. SD9



Typical Washer Requirements — DRAWING NO. SD11



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.

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

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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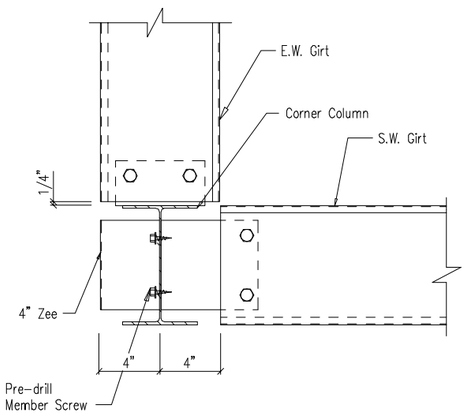
PROJECT COUNTY:
PROJECT END USE:
CUSTOMER PHONE NUMBER:
CUSTOMER EMAIL:
SCALE: N.T.S.

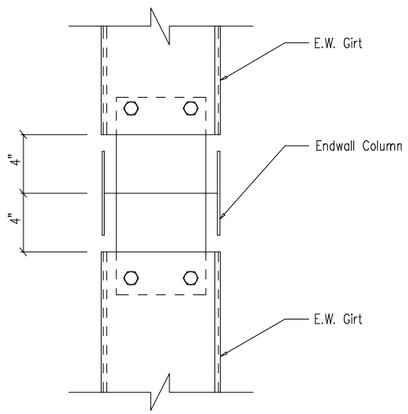
SHEET NUMBER: 17 OF 21
JOB NUMBER 94863
SHEET TITLE: DETAIL DRAWINGS



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

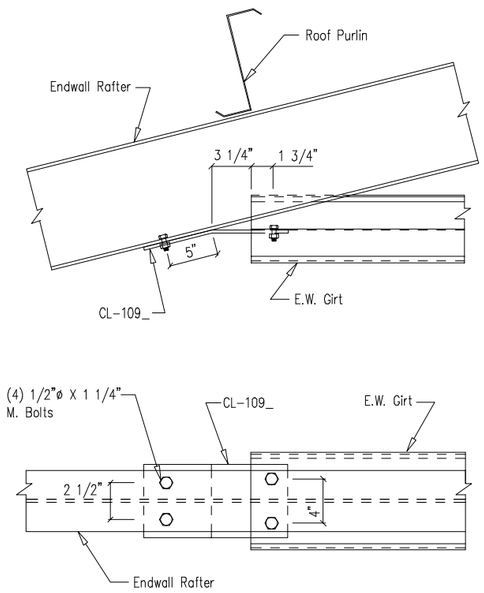
DRAWING NO. SD33



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

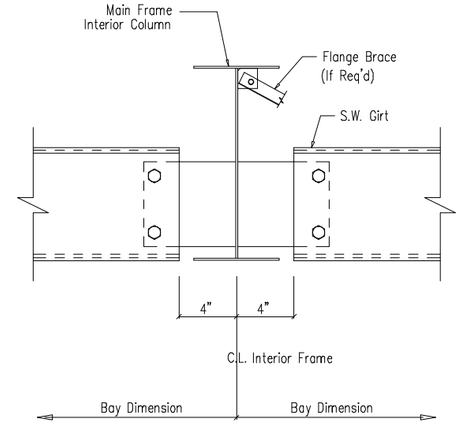
Girt to Hot Rolled Endwall Column Connection

DRAWING NO. SD44



Endwall Girt to Hot Rolled Rafter

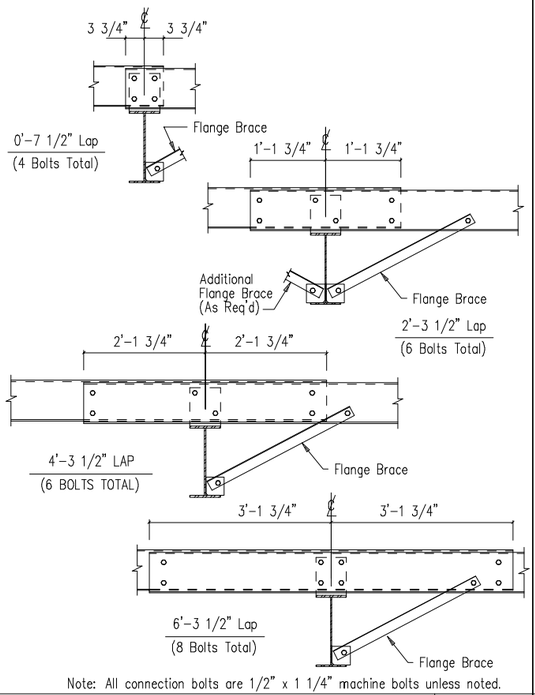
DRAWING NO. SD45



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

Section at Interior MF Column
Flush Sidewall

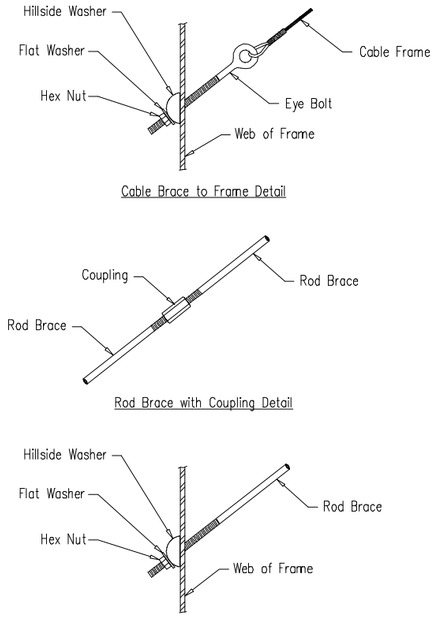
DRAWING NO. SD49



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

Interior Bay Purlin Framing

DRAWING NO. SD50



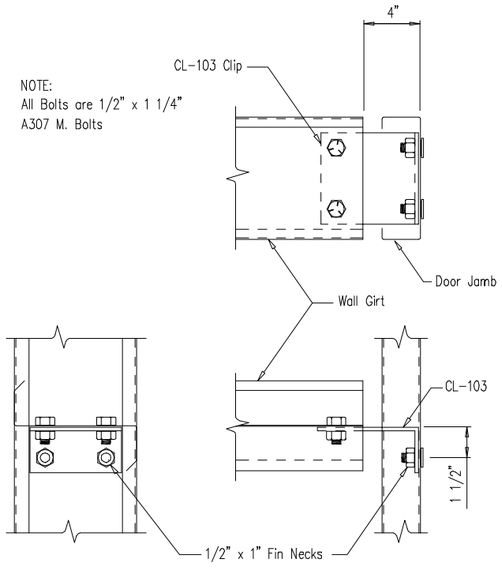
Cable Brace to Frame Detail

Rod Brace with Coupling Detail

Rod Brace to Frame Detail

Cable or Rod Brace to Frame Connection

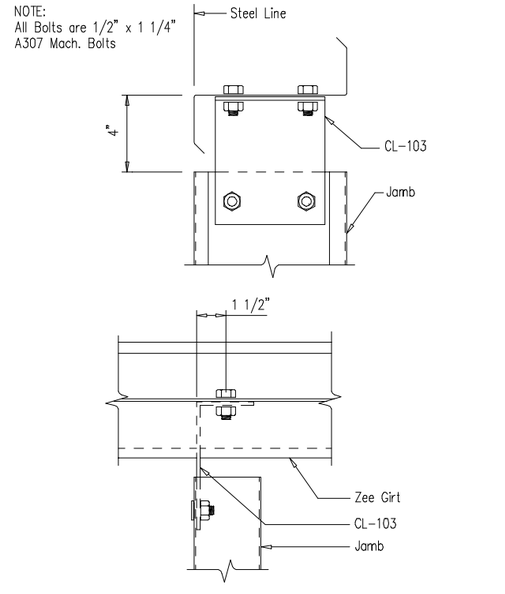
DRAWING NO. SD66



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 to Jamb (Bolted Clips)

DRAWING NO. SD87



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

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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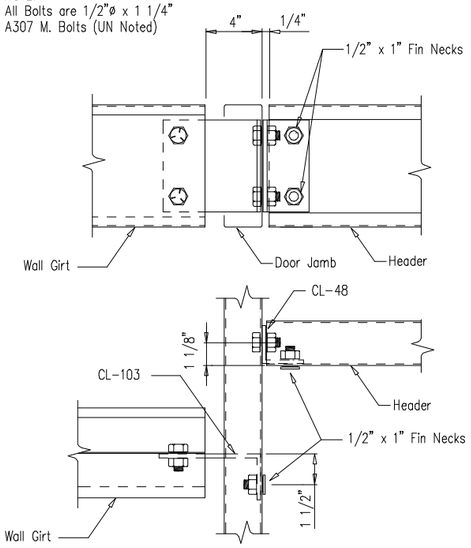
SCALE: N.T.S.

SHEET NUMBER: 18 OF 21
JOB NUMBER 94863
SHEET TITLE: DETAIL DRAWINGS

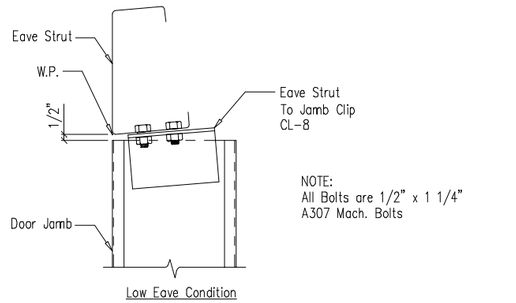
NOTE:
All Bolts are 1/2"ø x 1 1/4"
A307 M. Bolts (UN Noted)



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.

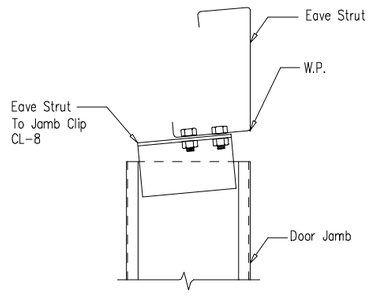
Girt/Header to Jamb

DRAWING NO. SD95



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

Low Eave Condition

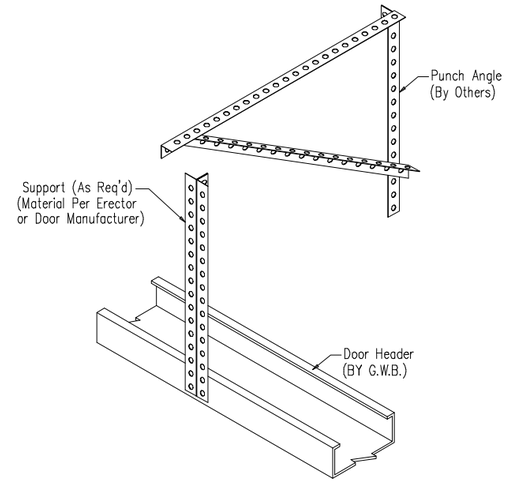


High Eave Condition

Jamb To Eave Strut
2:12 Roof Pitch and Higher

DRAWING NO. SD97

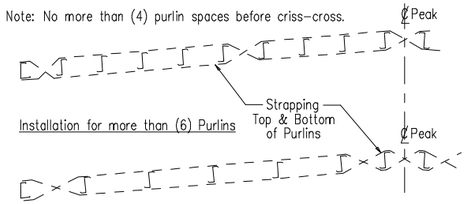
Created On: 9/2/11



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

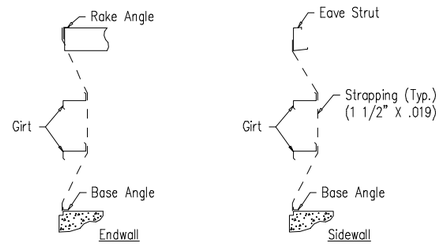
Overhead Door Torsion Bar Bearing Connection

DRAWING NO. SD101



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

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



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

Roof Uplift and Wall Suction Strap Details

DRAWING NO. SD102

Created On: 9/28/12

	ENG.	CHK.	DWN.	DATE	ISSUE
	RTS	MEZ	MEZ	04/08/24	APPROVAL
	RTS	CAF	SB	07/26/24	PERMIT
	RTS	PKD	PKD	08/13/24	ERECTION

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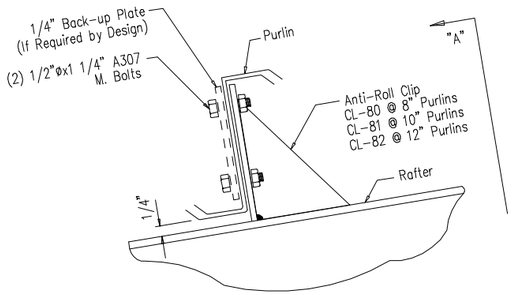
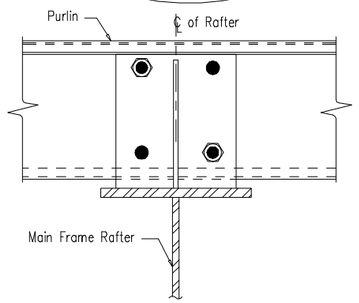


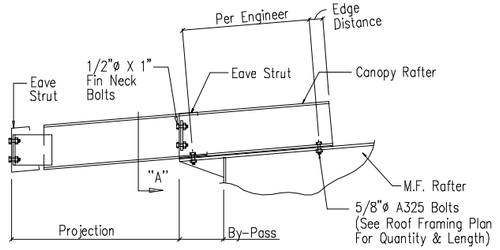


Section "A"

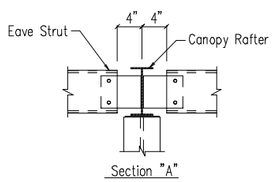
Purlin to Anti-Roll Clip Connection

DRAWING NO. SD115

Created On: 3/25/11



Eave Canopy at Main Frame

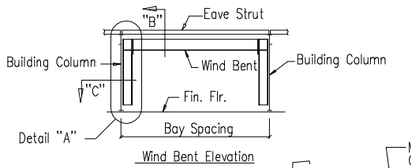


Section "A"

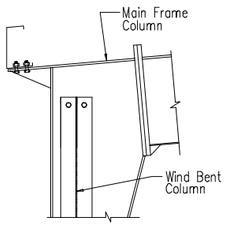
Eave Canopy Framing Detail

DRAWING NO. SD125

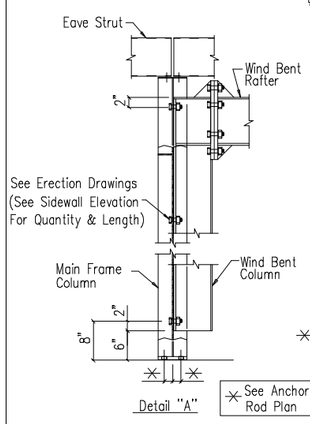
Revised On: 7/10/17



Wind Bent Elevation



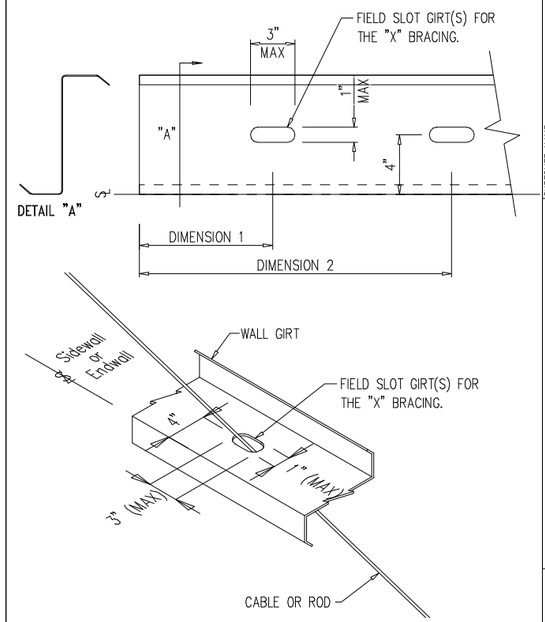
Section "B"



Created On: 5/25/12
Revised On: 7/21/14

Flush Wind Bent (Floating)

DRAWING NO. SD150



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

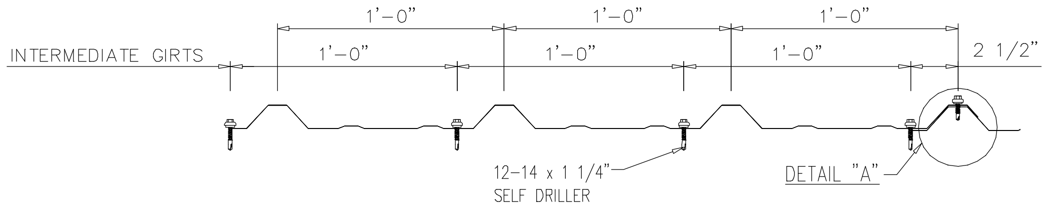
Field Work Slotting for Bracing

DRAWING NO. SD202

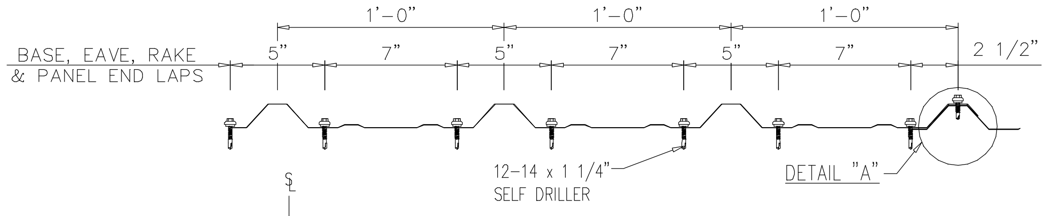
Created On: 03/07/20

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

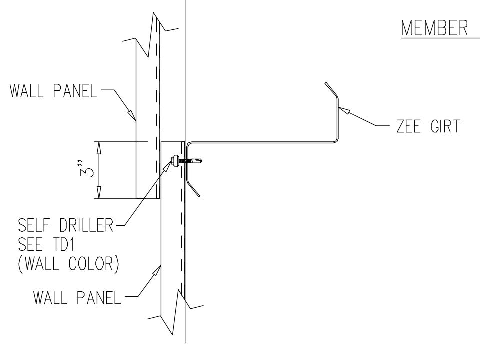
SHEET NUMBER: 19 OF 21
JOB NUMBER 94863
SHEET TITLE: DETAIL DRAWINGS



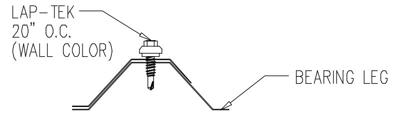
MEMBER SCREW SPACING



MEMBER SCREW SPACING



PANEL END LAP DETAIL

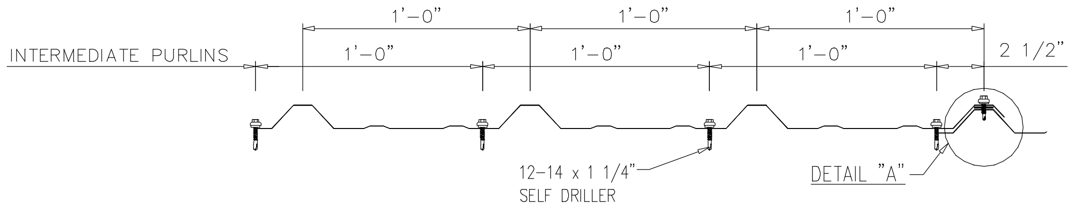


DETAIL "A"

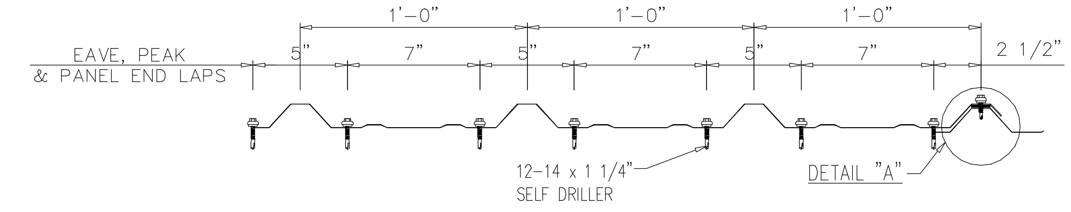
Fastener Location at Wall – PBR

DRAWING NO.
TD1

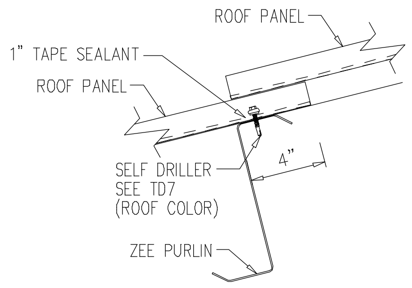
Created On: 08/13/18



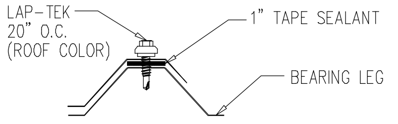
MEMBER SCREW SPACING



MEMBER SCREW SPACING



PANEL END LAP DETAIL

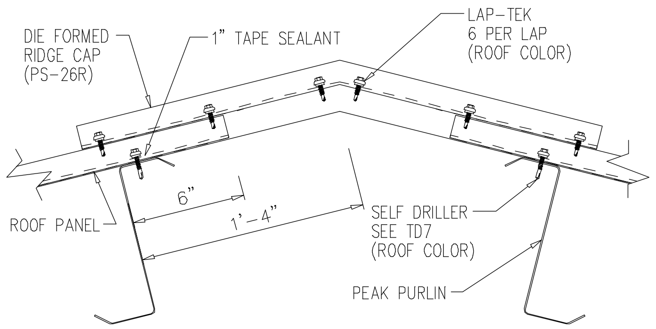


DETAIL "A"

Fastener Location at Roof – PBR

DRAWING NO.
TD7

Created On: 08/13/18



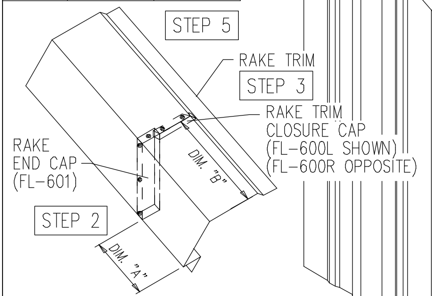
Die Formed Ridge Detail – PBR

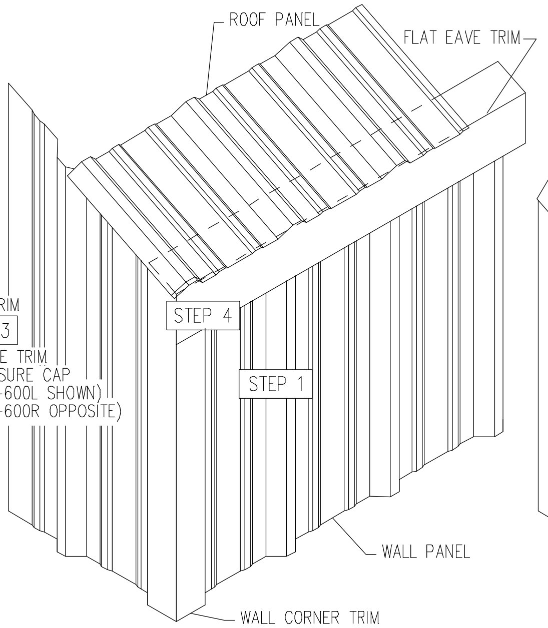
Up to a 4:12 Roof Slope

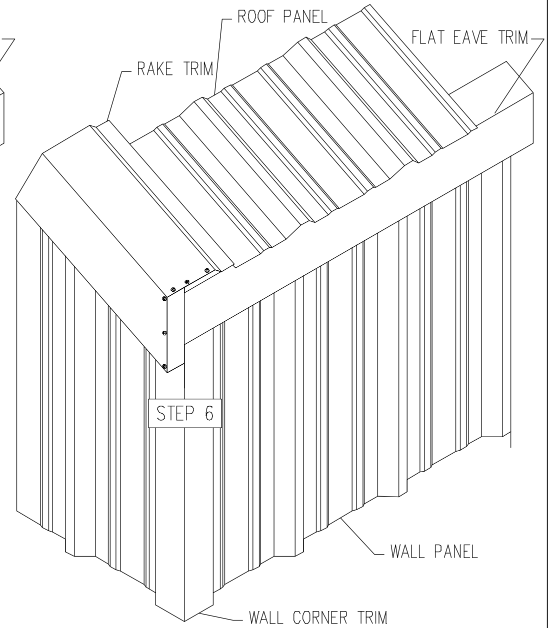
DRAWING NO.
TD8

Created On: 08/13/18

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.

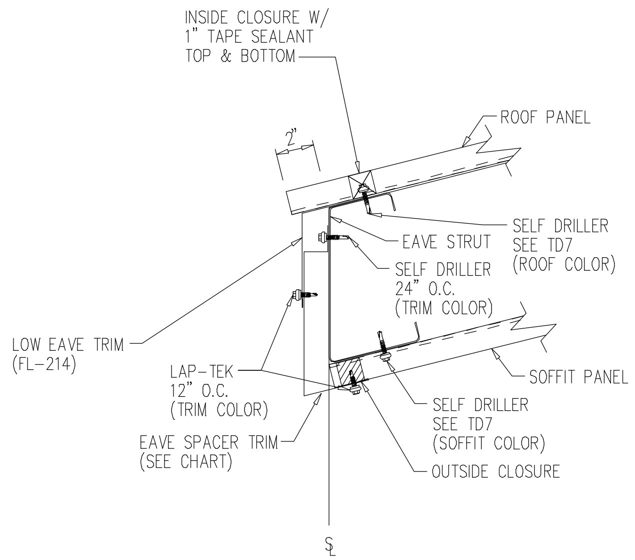
STEP 5 INSTALL RAKE TRIM. BE SURE THE BOTTOM END OF THE RAKE TRIM, THAT ATTACHES TO THE HIGH RIBS OF THE WALL PANEL, IS FLUSH WITH THE WALL CORNER TRIM.

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.

Flat Eave Corner Trim Installation – PBR

DRAWING NO.
TD12

Created On: 08/01/23



TRIM CHART	
PURLIN SIZE	PIECE MARK
8"	FL–500
10"	FL–500
12"	FL–500

Low Eave Detail – PBR

Simple Eave – Open Wall – With Soffit

DRAWING NO.
TD21

Created On: 08/06/18

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

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PROJECT NAME:
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CUSTOMER EMAIL:
SCALE: N.T.S.
SHEET NUMBER: 20 OF 21
JOB NUMBER 94863
SHEET TITLE: DETAIL DRAWINGS

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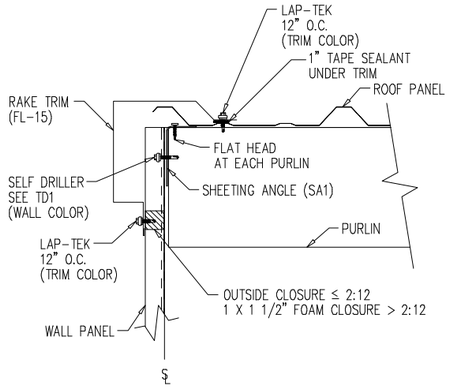


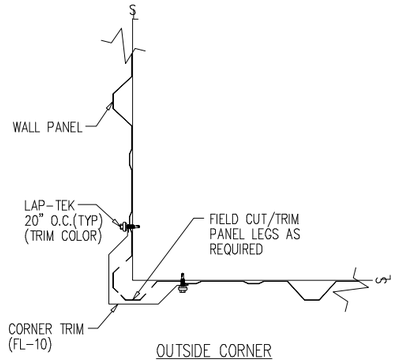
NOTE: FIELD SLOPE CUT WALL PANELS AS REQUIRED FOR ROOF SLOPE

Rake Detail – PBR

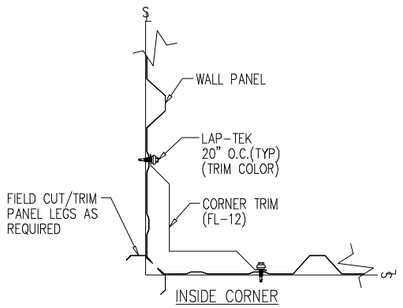
Box Rake – Sheeted Wall

DRAWING NO. TD36

Created On: 08/13/18



OUTSIDE CORNER

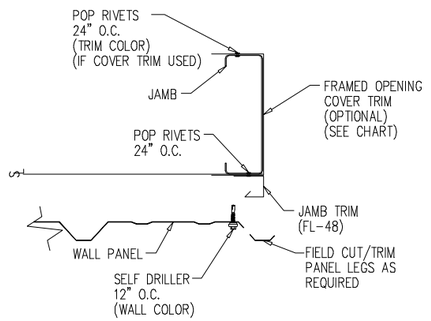


INSIDE CORNER

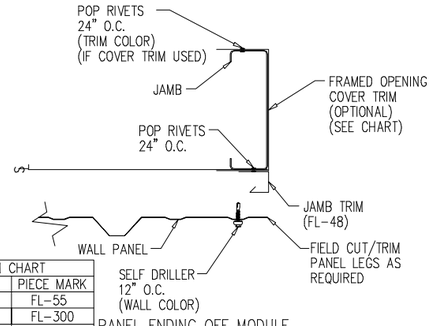
Section at Corner Detail – PBR

DRAWING NO. TD40

Created On: 08/06/18



PANEL ENDING ON MODULE



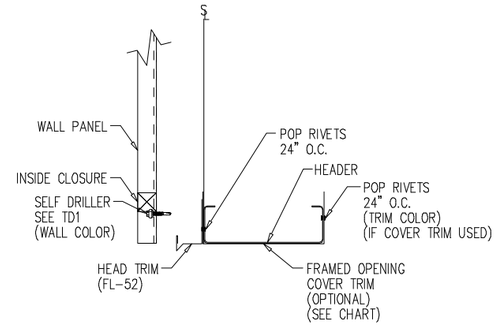
PANEL ENDING OFF MODULE

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

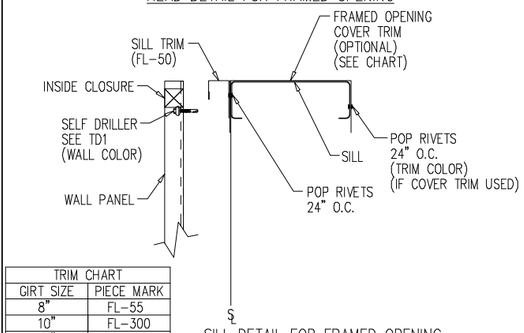
Framed Opening Jamb Detail – PBR

DRAWING NO. TD51

Created On: 08/06/18



HEAD DETAIL FOR FRAMED OPENING



SILL DETAIL FOR FRAMED OPENING

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

Framed Opening Head and Sill Details – PBR

DRAWING NO. TD52

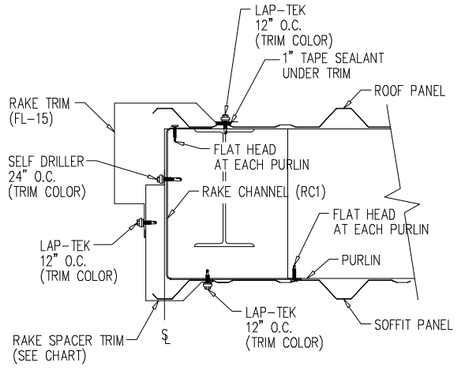
Created On: 08/06/18

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/08/24	MEZ	MEZ	RTS
PERMIT	07/26/24	SB	CAF	RTS
ERECTION	08/13/24	PKD	PKD	RTS

GWB
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: 21 OF 21
JOB NUMBER 94863
SHEET TITLE: DETAIL DRAWINGS



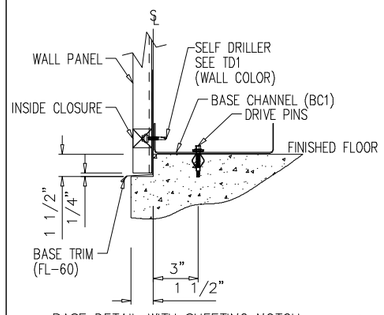
TRIM CHART	
PURLIN SIZE	PIECE MARK
8"	FL-79
10"	FL-367
12"	FL-368

Rake Detail – PBR

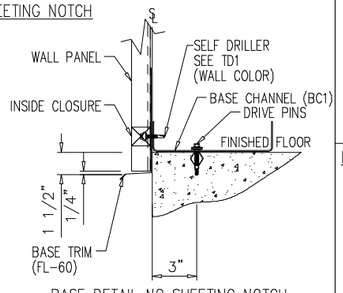
Sculptured Rake – Open Wall – With Soffit

DRAWING NO. TD64

Created On: 08/06/18



BASE DETAIL WITH SHEETING NOTCH



BASE DETAIL NO SHEETING NOTCH

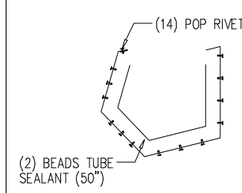
NOTE: IF INSULATION IS REQUIRED INSTALL TRIM FIRST.
NOTE: A MINIMUM OF 1/4" SPACE SHOULD BE ALLOWED FROM THE SHEET END TO ANY SURFACE.
NOTE: USE POWER DRIVEN FASTENERS SUCH AS RAMSET (OR EQUAL). 0.140ø STRAIGHT SHANK W 1 1/4" PENETRATION AND MIN. ALLOWABLE SHEAR OF 220# (2'-0" O.C.)(NOT BY GWB)

Base Channel w/Trim Details

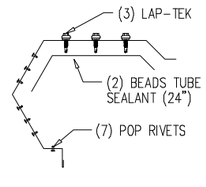
DRAWING NO. TD75

Created On: 08/25/18

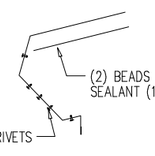
EAVE GUTTER



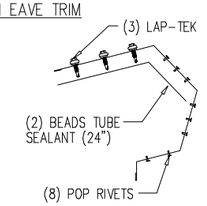
RAKE TRIM



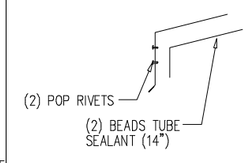
LOW EAVE TRIM



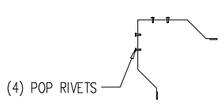
HIGH EAVE TRIM



LOW EAVE TRIM



CORNER TRIM

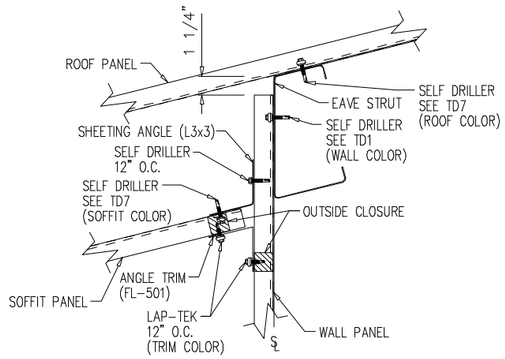


NOTE: TRIM PROFILES MAY VARY; 2" MIN. LAP UNLESS NOTED
NOTE: TUBE SEALANT (NOT BY G.W.B.)

Trim Laps – PBR Sculptured

DRAWING NO. TD85

Created On: 08/06/18



Low Eave Extension Detail at Building Line – PBR

Flat Eave – Sheeted Wall – With Soffit

DRAWING NO. TD236

Created On: 08/06/18