

JOB NUMBER: 94753R1

PROJECT NAME:

PROJECT LOCATION:

PROJECT LOCATION:

PROJECT COUNTY:

16'-0"

16'-0"

60'-0"
LEFT ENDWALL
(FRAME LINE 1)

83'-0"
FRONT SIDEWALL
(FRAME LINE A)

BACK SIDEWALL
(FRAME LINE D)

RIGHT ENDWALL
(FRAME LINE 5)

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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**
- | 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"φ & LESS) | A325-TYPE 1 | Fu = 120 KSI |
| HIGH STRENGTH BOLTS (>1"φ TO 1 1/2"φ) | 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"φ x 0'-1 1/4" A307 EXCEPT:**
A) ENDWALL RAFTER SPLICE - 5/8"φ 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"φ x 0'-1 1/4" A325
NOTE: WASHERS ARE NOT SUPPLIED UNLESS NOTED OTHERWISE ON DRAWING

- 1.6 **A325 BOLT TIGHTENING REQUIREMENTS**
ALL HIGH STRENGTH BOLTS ARE A325-N UNLESS SPECIFICALLY NOTED OTHERWISE. HOLES ARE NOT SLOTTED AND DESIGN IS BEARING CONNECTION. STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE "TURN-OFF-THE-NUT" METHOD IN ACCORDANCE WITH THE LATEST EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A325 OR A490 BOLTS, WHEN SPECIFICALLY REQUIRED. A325-N BOLTS ARE SUPPLIED WITHOUT WASHER UNLESS OTHERWISE NOTED ON THE DRAWINGS.

- ALL BOLTED CONNECTIONS UNLESS NOTED ARE DESIGNED AS BEARING TYPE CONNECTIONS WITH BOLT THREADS NOT EXCLUDED FROM THE SHEAR PLANE.
BUILDINGS IN SEISMIC DESIGN CATEGORY C OR LOWER AND/OR WITH CRANE SYSTEMS 10 TONS OR LESS DO NOT REQUIRE TURN OF THE NUT PRE TENSIONING

- 1.7 **CLOSURE STRIPS ARE FURNISHED (IF ORDERED) FOR APPLICATION:**
INSIDE - UNDER ROOF PANELS & BASE OF WALL PANELS
OUTSIDE - BETWEEN ROOF PANELS & RIDGE CAP
- BETWEEN WALL PANELS & EAVE/GABLE TRIM

- 1.8 **ERECTION NOTE:**
ALL BRACING, STRAPPING, & BRIDGING SHOWN AND PROVIDED BY M.B.S. FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE. IF ADDITIONAL BRACING IS REQUIRED FOR STABILITY DURING ERECTION, IT SHALL BE THE ERECTOR'S RESPONSIBILITY TO DETERMINE THE AMOUNT OF SUCH BRACING AND TO PROCURE AND INSTALL AS NEEDED.

- 1.9 **ERECTION AND UNLOADING NOT BY G.W.B.**

- 1.10 **SHORTAGES**
ANY CLAIMS OR SHORTAGES BY BUYER MUST BE MADE TO M.B.S. WITHIN FIVE (5) WORKING DAYS AFTER DELIVERY, OR SUCH CLAIMS WILL BE CONSIDERED TO HAVE BEEN WAIVED BY THE CUSTOMER AND DISALLOWED.

- 1.11 **CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)**
CLAIMS FOR CORRECTION OF ALLEGED MISFITS WILL BE DISALLOWED UNLESS M.B.S. SHALL HAVE RECEIVED PRIOR NOTICE THEREOF AND ALLOWED REASONABLE INSPECTION OF SUCH MISFITS. THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS INTO LINE, MODERATE AMOUNTS OF REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORTAGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM. NO PART OF THE BUILDING MAY BE RETURNED FOR ALLEGED MISFITS WITHOUT THE PRIOR APPROVAL OF M.B.S.

BUYER/END USE CUSTOMER RESPONSIBILITIES

- 2.1 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO OBTAIN APPROPRIATE APPROVALS AND SECURE NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES AS REQUIRED, AND TO ADVISE/RELEASE M.B.S. TO FABRICATE UPON RECEIVING SUCH.
- 2.2 METAL BUILDING SUPPLIER (HEREAFTER REFERRED TO AS M.B.S.) STANDARD SPECIFICATIONS APPLY UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS. M.B.S. DESIGN, FABRICATION, QUALITY CRITERIA, STANDARDS, PRACTICE, METHODS AND TOLERANCES SHALL GOVERN THE WORK WITH ANY OTHER INTERPRETATIONS TO THE CONTRARY NOTWITHSTANDING. IT IS UNDERSTOOD BY BOTH PARTIES THAT THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR CLARIFICATION OF INCLUSIONS OR EXCLUSIONS FROM THE ARCHITECTURAL PLANS AND/OR SPECIFICATIONS.
- 2.3 IN CASE OF DISCREPANCIES BETWEEN M.B.S. STRUCTURAL STEEL PLANS AND PLANS FOR OTHER TRADES, M.B.S. PLANS SHALL GOVERN. (SECTION 3 AISC CODE OF STANDARD PRACTICES, LATEST EDITION)
- 2.4 APPROVAL OF M.B.S. DRAWINGS AND CALCULATIONS INDICATE THE M.B.S. HAS CORRECTLY INTERPRETED AND APPLIED THE CONTRACT DOCUMENTS. THIS APPROVAL CONSTITUTES THE CONTRACTOR/OWNERS ACCEPTANCE OF THE M.B.S. DESIGN CONCEPTS, ASSUMPTIONS, AND LOADING. (SECTION 4 AISC CODE AND MBMA 3.3.3)
- 2.5 ONCE THE BUYER/END USE CUSTOMER HAS SIGNED M.B.S. APPROVAL PACKAGE AND THE PROJECT IS RELEASED FOR FABRICATION, CHANGES SHALL BE BILLED TO THE BUYER/END USE CUSTOMER INCLUDING MATERIAL, ENGINEERING AND OTHER COSTS. AN ADDITIONAL FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND SHIPPING SCHEDULE.

- 2.6 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR OVERALL PROJECT COORDINATION. ALL INTERFACE, COMPATIBILITY, AND DESIGN CONSIDERATIONS CONCERNING ANY MATERIALS NOT FURNISHED BY M.B.S. AND M.B.S. STEEL SYSTEM ARE TO BE CONSIDERED AND COORDINATED BY THE BUYER/END USE CUSTOMER. SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS MUST BE FURNISHED BEFORE RELEASE FOR FABRICATION OR M.B.S. ASSUMPTIONS WILL GOVERN (AISC CODE OF STANDARD PRACTICE, LATEST EDITION)

- 2.7 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO INSURE THAT M.B.S. PLANS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT M.B.S. OR ITS DESIGN ENGINEERS ARE ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT. THESE DRAWINGS ARE SEALED ONLY TO CERTIFY THE DESIGN OF THE STRUCTURAL COMPONENTS FURNISHED BY M.B.S.

- 2.8 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL IN ACCORDANCE WITH M.B.S. "FOR ERECTION" DRAWINGS ONLY. TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, 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) | : 2.15 |
| ROOF COLLATERAL LOAD (C) (PSF) | : 2.00 |
| WIND LOAD | |
| ULTIMATE WIND SPEED, (VULT) (MPH) | : 155.00 |
| WIND EXPOSURE CATEGORY | : C |
| INTERNAL PRESSURE COEFFICIENT, (GCpi) | : 0.18/-0.18 |
| WALL PANEL DESIGN WIND PRESSURE (PSF) | : 39.77/-43.09 |
| 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) | : 45.00 |
| ROOF SNOW LOAD, (Pf) (PSF) | : 45.00 |
| SNOW EXPOSURE FACTOR, (Ce) | : 1.00 |
| SNOW IMPORTANCE FACTOR, (Is) | : 1.00 |
| THERMAL FACTOR, (Ct) | : 1.00 |
| SEISMIC LOAD | |
| SEISMIC IMPORTANCE FACTOR, (Ie) | : 1.00 |
| SITE CLASSIFICATION | : D |
| SPECTRAL RESPONSE ACCELERATION | : Ss = 0.231 :S1 = 0.061 |
| SPECTRAL RESPONSE COEFFICIENTS | : Sds = 0.246 :Sd1 = 0.098 |
| SEISMIC DESIGN CATEGORY | : B |
| BASIC SEISMIC FORCE RESISTING SYSTEM | : STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE |
| TOTAL DESIGN BASE SHEAR, (V) (KIPS) | : LONGITUDINAL = 8.32
: TRANSVERSE = 8.39 |
| RESPONSE MODIFICATION FACTORS, (R) | : RIGID FRAMES = 3.00 Ω = 3.00
: SW X-BRACING = 3.00 Ω = 3.00
: SW WIND BENT = 3.00 Ω = 3.00 |
| SEISMIC RESPONSE COEFFICIENTS, (Cs) | : RIGID FRAMES = 0.0822
: SW X-BRACING = 0.0822
: SW WIND BENT = 0.0822 |
| ANALYSIS PROCEDURE USED | : EQUIVALENT LATERAL FORCE PROCEDURE |
| OTHER LOADS/REQUIREMENTS | |

BUILDING DESCRIPTION:

- | | |
|-------------------------|--------------------------------------|
| WIDTH (FT) | : 60.00 |
| LENGTH (FT) | : 83.00 |
| EAVE HEIGHT AT BSW (FT) | : 16.00 |
| EAVE HEIGHT AT FSW (FT) | : 16.00 |
| ROOF SLOPE AT BSW | : 1.0:12 |
| ROOF SLOPE AT FSW | : 1.0:12 |
| BAY SPACING (FT) | : 1 AT 20.25, 2 AT 21.25, 1 AT 20.25 |

COVERING AND TRIMS:

- | | | | |
|--------------------------------|----------------------|---------------------------------------|-----------------|
| ROOF PANELS & TRIMS | | ROOF SOFFIT PANELS & TRIMS | |
| PANEL TYPE | : 26 GA. PBR | PANEL TYPE | : 26 GA. PBR |
| PANEL COLOR | : GALVALUME | PANEL COLOR | : CHARCOAL GRAY |
| TRIM COLORS | | TRIM COLORS | : CHARCOAL GRAY |
| GABLE/EAVE | : ASH GRAY | | |
| EAVE GUTTER | : N/A | | |
| WALL PANELS & TRIMS | | | |
| PANEL TYPE | : 26 GA. PBR | | |
| PANEL COLOR | : CHARCOAL GRAY | | |
| TRIM COLORS | | | |
| CORNER | : ASH GRAY | | |
| FRAMED OPENING | : ASH GRAY | | |
| DOWNSPOUTS | : N/A | | |
| BASE | : CHARCOAL GRAY | | |
| INSULATION | | | |
| ROOF INSULATION | : 8" (R-25) SKYLINER | | |
| WALL INSULATION | : 4" (R-13) WMP-VR | | |

ENG.	CHK.	DATE	ISSUE	APPROVAL	PERMIT	ERECTION	REVISED PERMIT	ERECTION	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS	RTS	
		12/29/23	MEZ																	
		01/31/24	AA																	
		07/26/24	JMH																	
		05/08/24	MB																	
		06/17/24	JMH																	

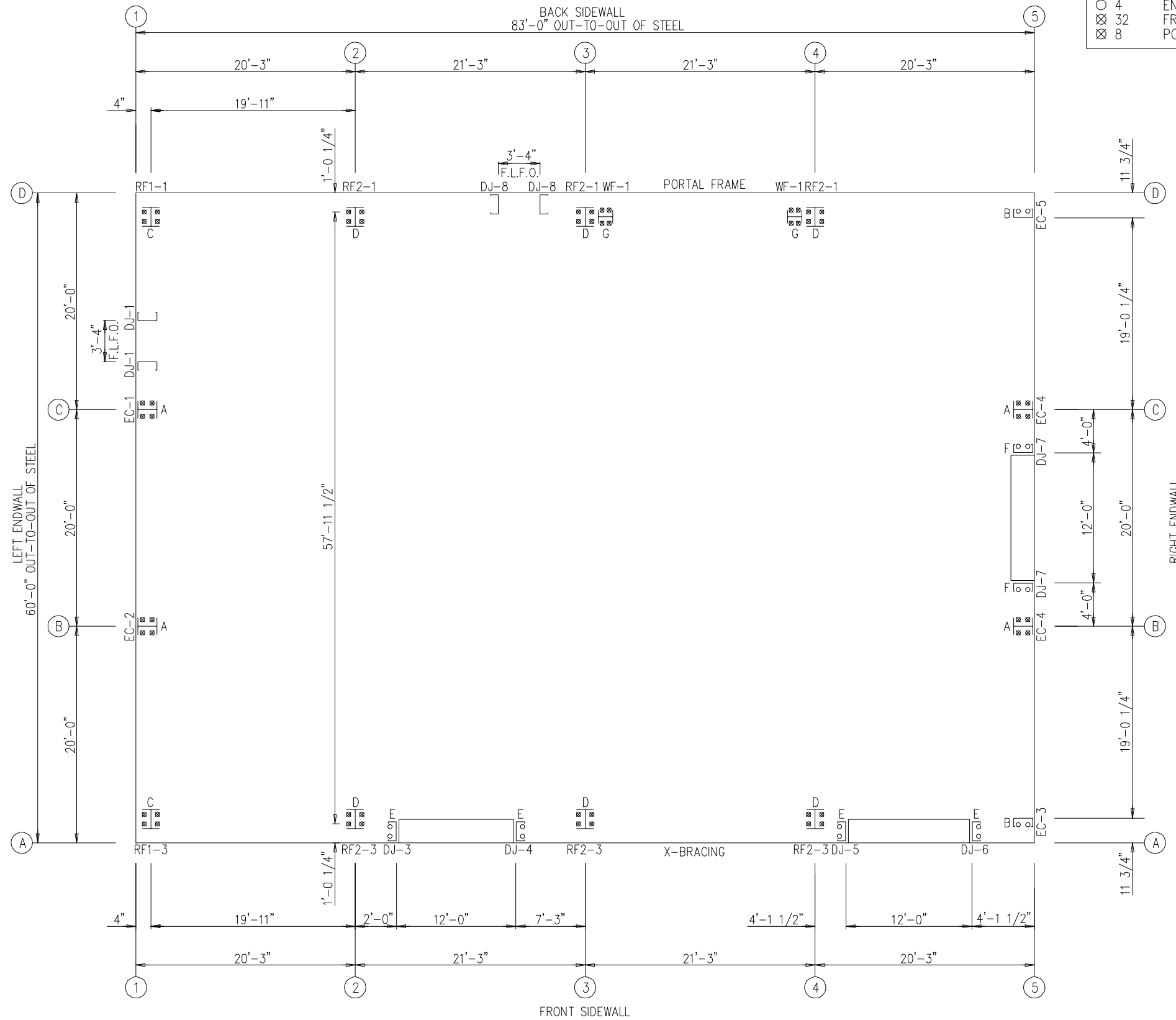


GWB
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2 OF 20
94753R1

BUILDING INFO COVERSHEET

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

ANCHOR BOLT SUMMARY			
QTY	LOCATE	DIA (in)	TYPE
○ 12	JAMB	5/8"	A307
⊗ 16	ENDWALL	3/4"	A307
○ 4	ENDWALL	5/8"	A307
⊗ 32	FRAME	3/4"	A307
⊗ 8	PORTAL COL	3/4"	A307

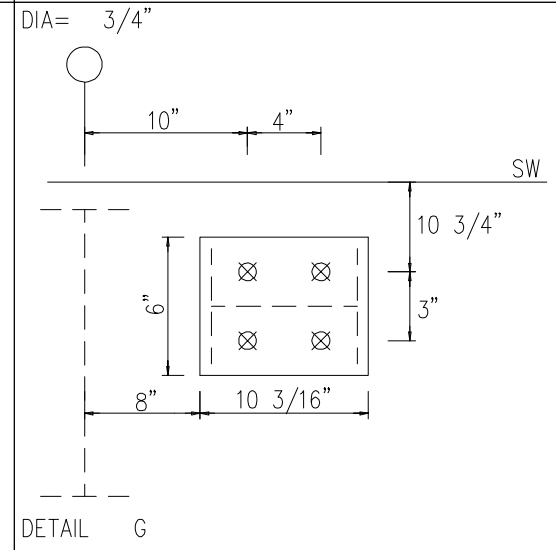
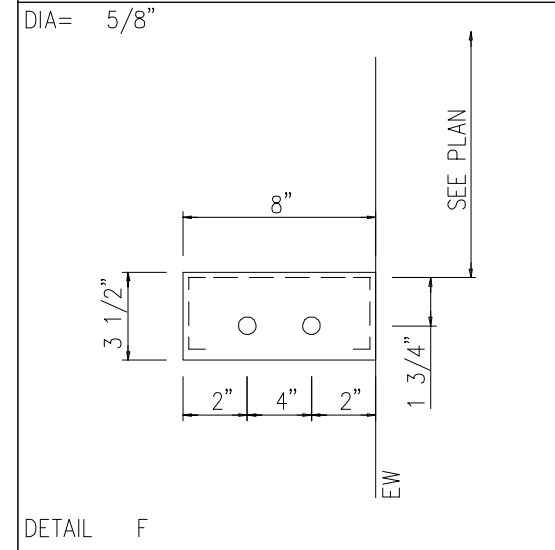
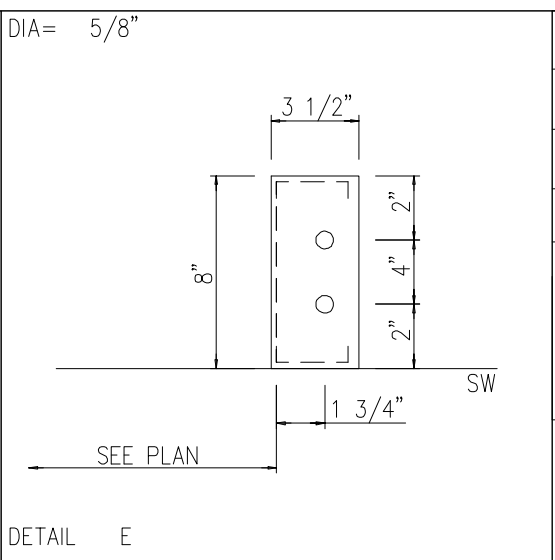
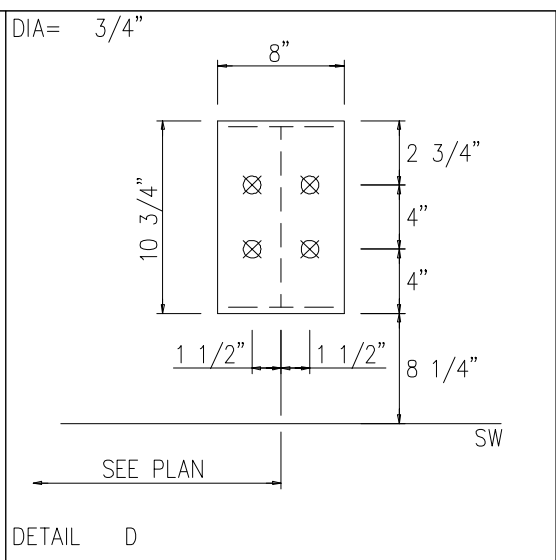
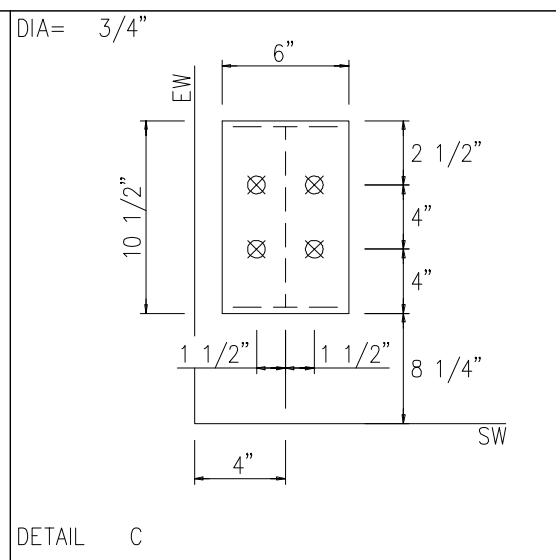
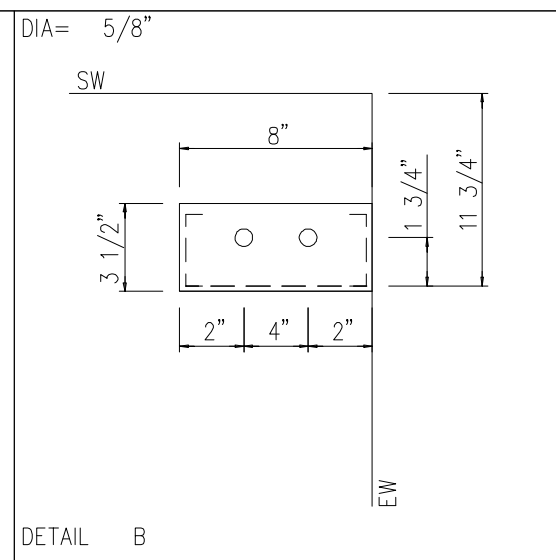
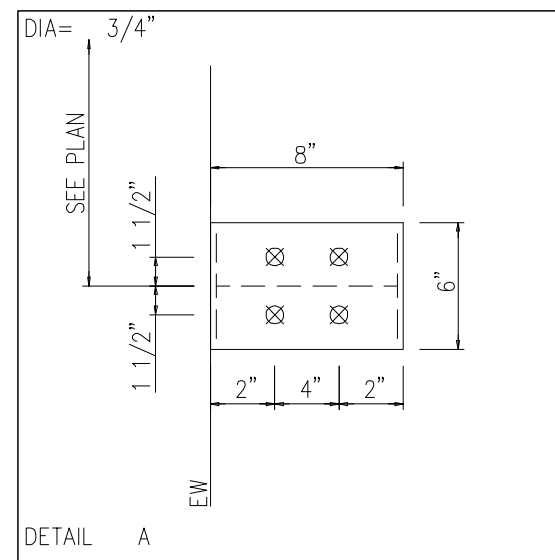
ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	12/29/23	MEZ	MEZ	RTS
PERMIT	01/31/24	AA	CAF	RTS
ERECTION	02/26/24	JMH	JMH	RTS
REVISED PERMIT	05/08/24	MB	CAF	RTS
ERECTION	05/17/24	JMH	JMH	RTS



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CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	3 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	ANCHOR BOLT PLAN

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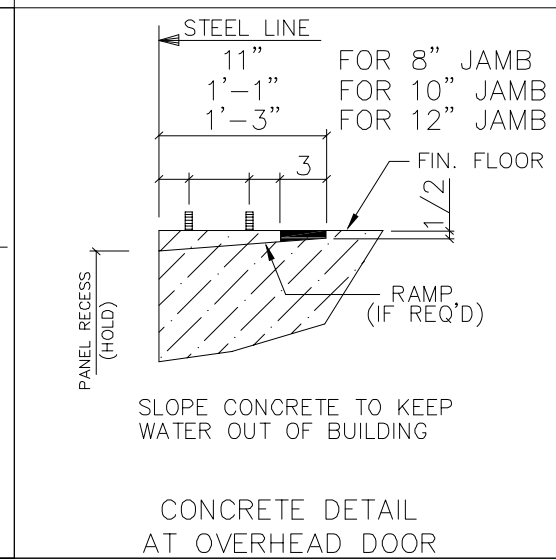


NOTE:
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. G.W.B. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

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

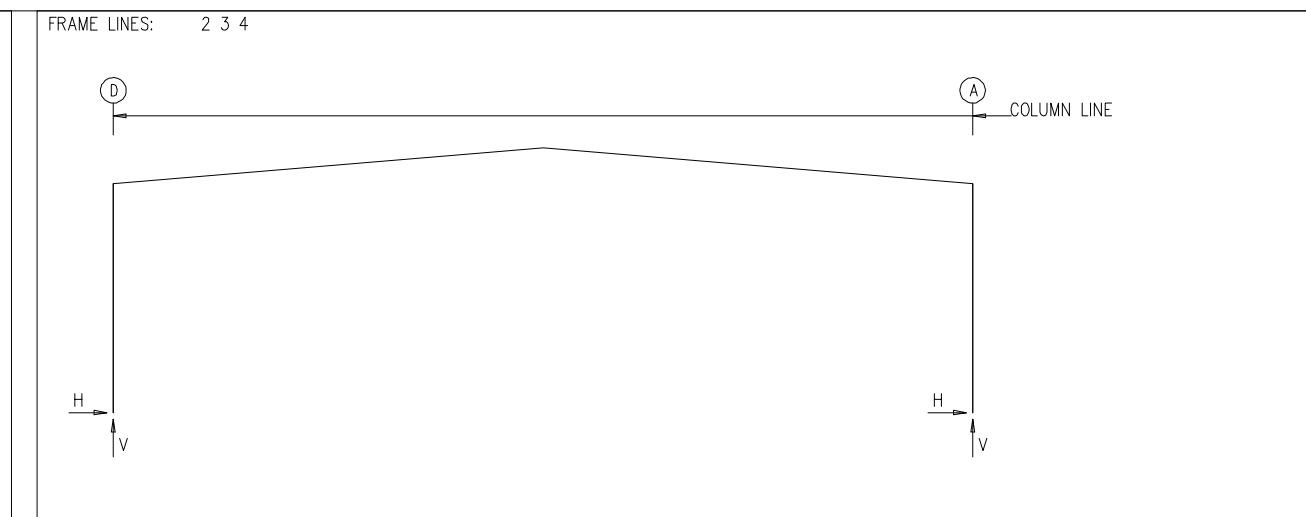
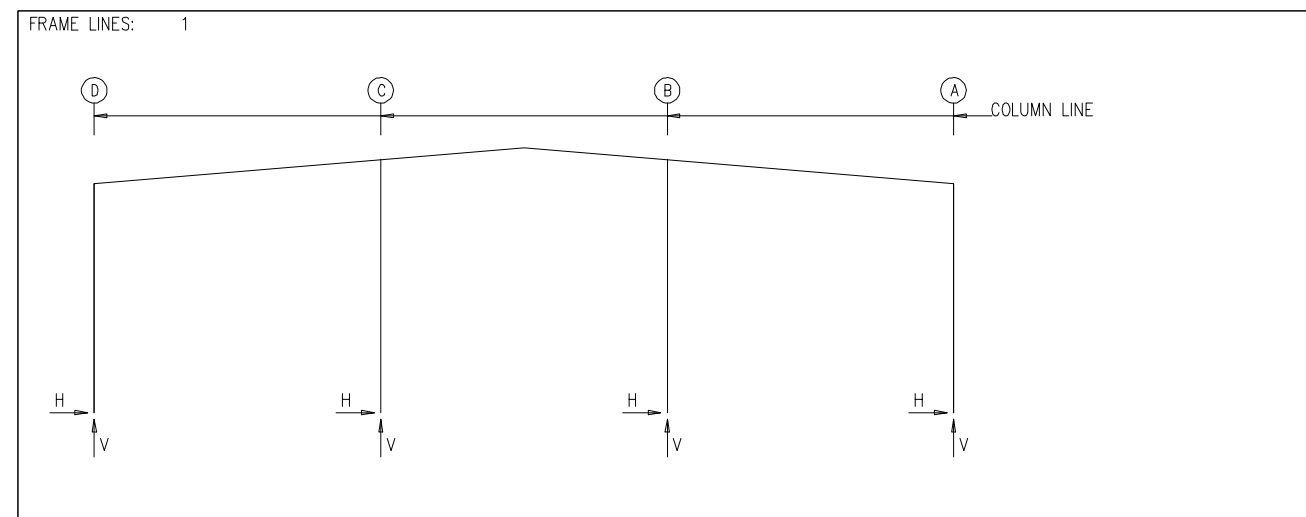


ENG.	CHK.	DATE	DWN.	ISSUE
RTS	MEZ	12/29/23	MEZ	APPROVAL
RTS	CAF	01/31/24	AA	PERMIT
RTS	JMH	02/26/24	JMH	ERECTION
RTS	CAF	05/08/24	MB	REVISED PERMIT
RTS	JMH	05/17/24	JMH	ERECTION

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PROJECT LOCATION:	
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PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	4 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	ANCHOR BOLT DETAILS

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

Frm Line	Col Line	Column_Reactions(k)						Bolt(in)		Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	QTY	DIA	Width	Length	Thick	
1	D	3	1.5	5.0	6	-1.8	-2.3	4	0.750	6.000	10.50	0.375	0.0
		11	0.4	7.5	4	-1.3	-3.5						
1	A	7	1.8	-2.3	2	-1.5	5.0	4	0.750	6.000	10.50	0.375	0.0
		12	-0.4	7.5	5	1.3	-3.5						
1	C	13	3.4	-6.3	14	-3.1	-6.3	4	0.750	6.000	8.000	0.375	0.0
		15	0.0	15.1	8	0.0	-4.0						
1	B	16	3.4	-6.3	17	-3.1	-6.3	4	0.750	6.000	8.000	0.375	0.0
		15	0.0	15.1	10	0.0	-4.0						

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

Frm Line	Col Line	Column_Reactions(k)						Bolt(in)		Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	QTY	DIA	Width	Length	Thick	
2*	D	1	22.0	34.5	4	-7.8	-11.6	4	0.750	8.000	10.75	0.500	0.0
2*	A	5	7.9	-11.6	1	-22.0	34.5	4	0.750	8.000	10.75	0.500	0.0
		1	-22.0	34.5	9	3.5	-12.6						
2*	FRAME lines:	2	3	4									

RIGID FRAME: BASIC COLUMN REACTIONS (k)

FRAME Line	Column Line	---Dead---		---Collateral---		---Live---		---Snow---		---Wind_Left1---		---Wind_Right1---	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	0.0	0.6	0.0	0.3	0.2	2.9	0.5	6.5	-2.2	-6.4	2.3	-1.8
1	A	0.0	0.6	0.0	0.3	-0.2	2.9	-0.5	6.5	-2.3	-1.8	2.2	-6.4
1	C	0.0	1.0	0.0	0.5	0.0	5.0	0.0	11.2	0.0	-6.0	0.0	-6.7
1	B	0.0	1.0	0.0	0.5	0.0	5.0	0.0	11.2	0.0	-6.7	0.0	-6.0

FRAME Line	Column Line	---Wind_Left2---		---Wind_Right2---		---Wind_Press---		---Wind_Suct---		---Wind_Long1---		---Wind_Long2---	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	-3.1	-4.5	1.5	0.1	0.0	0.0	0.0	0.0	1.7	-4.1	1.3	-3.2
1	A	-1.5	0.1	3.1	-4.5	0.0	0.0	0.0	0.0	-1.3	-3.2	-1.7	-4.1
1	C	0.0	-3.0	0.0	-3.7	-5.2	0.0	5.7	0.0	0.0	-7.7	0.0	-4.3
1	B	0.0	-3.7	0.0	-3.0	-5.2	0.0	5.7	0.0	0.0	-4.3	0.0	-7.7

FRAME Line	Column Line	---Seismic_Left---		---Seismic_Right---		---Seismic_Long---		---MIN_SNOW---		F1UNB_SL_L---		F1UNB_SL_R---	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	-0.8	-0.8	0.8	0.8	0.0	0.0	0.2	2.9	0.4	6.6	0.4	2.1
1	A	-0.8	0.8	0.8	-0.8	0.0	0.0	-0.2	2.9	-0.4	2.1	-0.4	6.6
1	C	0.0	1.2	0.0	-1.2	0.1	0.0	0.0	5.0	0.0	13.6	0.0	3.8
1	B	0.0	-1.2	0.0	1.2	0.1	0.0	0.0	5.0	0.0	3.8	0.0	13.6

FRAME Line	Column Line	---Dead---		---Collateral---		---Live---		---Snow---		---Wind_Left1---		---Wind_Right1---	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
2*	D	1.4	2.5	0.9	1.4	8.8	13.6	19.7	30.6	-14.5	-21.8	-6.6	-14.2
2*	A	-1.4	2.5	-0.9	1.4	-8.8	13.6	-19.7	30.6	6.6	-14.2	14.5	-21.8

FRAME Line	Column Line	---Wind_Left2---		---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---Seismic_Left---		---Seismic_Right---	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
2*	D	-10.9	-13.4	-3.0	-5.8	-7.3	-18.4	-8.0	-14.9	-0.9	-0.5	0.9	0.5
2*	A	3.0	-5.8	10.9	-13.4	8.0	-20.0	7.3	-23.5	-1.0	0.5	1.0	-0.5

FRAME Line	Column Line	---Seismic_Long---		---MIN_SNOW---		F2UNB_SL_L---		F2UNB_SL_R---	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
2*	D	0.0	0.0	8.8	13.6	15.3	29.5	15.3	15.8
2*	A	0.0	-2.7	-8.8	13.6	-15.3	15.8	-15.3	29.5

2* FRAME lines: 2 3 4

WIND BENT REACTIONS

Loc	Wall Line	Col Line	± Reactions				Bolt(in)		Base_Plate(in)		
			Wind(k)		Seismic(k)		QTY	DIA	Width	Length	Thick
B_SW	D	4	3.8	5.7	2.2	3.3	4	0.750	6.000	10.188	0.375
B_SW	D	3	3.8	5.7	2.2	3.3	4	0.750	6.000	10.188	0.375

NOTES FOR REACTIONS

Building reactions are based on the following building data:

- Width (ft) = 60.00
- Length (ft) = 83.00
- Eave Height (ft) = 16.00/16.00
- Roof Slope (rise/12) = 1.0:12/1.0:12
- Dead Load (psf) = 2.15
- Collateral Load (psf) = 2.00
- Live Load (psf) = 20.00
- Snow Load (psf) = 45.00
- Ultimate Wind Speed (mph) = 155.00
- Wind Code = IBC-21
- Exposure = C
- Closed/Open = Enclosed
- Importance Wind = 1.00
- Importance Seismic = 1.00
- Seismic Zone = B
- Seismic Coeff (Fa*Ss) = 0.37

ID Description

- 1 Dead+Collateral+Snow+Slide_Snow
- 2 Dead+Collateral+0.75Snow+0.45Wind_Left1
- 3 Dead+Collateral+0.75Snow+0.45Wind_Right1
- 4 0.6Dead+0.6Wind_Left1
- 5 0.6Dead+0.6Wind_Right1
- 6 0.6Dead+0.6Wind_Left2
- 7 0.6Dead+0.6Wind_Right2
- 8 0.6Dead+0.6Wind_Long1R
- 9 0.6Dead+0.6Wind_Long2L
- 10 0.6Dead+0.6Wind_Long2R
- 11 Dead+Collateral+F1UNB_SL_L
- 12 Dead+Collateral+F1UNB_SL_R
- 13 0.6Dead+0.6Wind_Left1+0.6Wind_Suction
- 14 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
- 15 Dead+Collateral
- 16 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
- 17 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
- 18 Dead+Collateral+E1UNB_SL_L
- 19 Dead+Collateral+E1UNB_SL_R
- 20 Dead+Collateral+E2UNB_SL_L
- 21 Dead+Collateral+E2UNB_SL_R

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
			Wind		Seismic		Wind	Seis	
L_EW	1								(h)
F_SW	A	3,4	7.6	5.1	3.9	2.7			
R_EW	5						52	26	(a)
B_SW	D	3,4							

(a) Wind bent in bay
(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
○ 12	JAMB	5/8"	A307
⊗ 16	ENDWALL	3/4"	A307
○ 4	ENDWALL	5/8"	A307
⊗ 32	FRAME	3/4"	A307
⊗ 8	PORTAL COL	3/4"	A307

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	12/29/23	APPROVAL
RTS	CAF	01/31/24	PERMIT
RTS	JMH	02/26/24	ERECTION
RTS	CAF	05/08/24	REVISED PERMIT
RTS	JMH	05/17/24	ERECTION

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CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	
SHEET NUMBER:	5 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	ANCHOR BOLT REACTIONS

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ENDWALL COLUMN:

BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert
5	A	0.5	0.3	2.6	5.8	-6.2	-3.1	-4.7	-1.6	-2.4	2.8	-4.8	-2.8
5	B	1.0	0.5	5.3	12.0	-11.6	-7.1	-8.1	-3.6	-5.2	5.7	-11.5	-6.8
5	C	1.0	0.5	5.3	12.0	-7.1	-11.6	-3.6	-8.1	-5.2	5.7	-6.8	-11.5
5	D	0.5	0.3	2.6	5.8	-3.1	-6.2	-1.6	-4.7	-2.4	2.8	-2.8	-4.8

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	Seis Long Vert	-MIN_SNOW-- Horz Vert	E2UNB_SL_L-- Horz Vert	E2UNB_SL_R-- Horz Vert
5	A	0.0	0.1	0.0	0.0	2.6	0.0
5	B	0.0	-0.1	0.0	0.0	5.3	0.0
5	C	-0.1	0.0	0.0	0.0	5.3	0.0
5	D	0.1	0.0	0.0	0.0	2.6	0.0

ENDWALL COLUMN:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k)						Bolt(in)		Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	QTY	DIA	Width	Length	Thick	
5	A	13	1.7	-3.5	14	-1.5	-2.6	2	0.625	3.500	8.000	0.250	0.0
		20	0.0	6.8	13	1.7	-3.5						
5	B	13	3.4	-6.3	14	-3.1	-6.3	4	0.750	6.000	8.000	0.375	0.0
		20	0.0	16.0	13	3.4	-6.3						
5	C	16	3.4	-6.3	17	-3.1	-6.3	4	0.750	6.000	8.000	0.375	0.0
		21	0.0	16.0	16	3.4	-6.3						
5	D	16	1.7	-3.5	17	-1.5	-2.6	2	0.625	3.500	8.000	0.250	0.0
		21	0.0	6.8	16	1.7	-3.5						

ENG.	CHK.	DATE	DWN.	ISSUE
RTS	MEZ	12/29/23	MEZ	APPROVAL
RTS	CAF	01/31/24	AA	PERMIT
RTS	JMH	02/26/24	JMH	ERECTION
RTS	CAF	05/08/24	MB	REVISED PERMIT
RTS	JMH	05/17/24	JMH	ERECTION



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PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SHEET NUMBER:	6 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	ANCHOR BOLT REACTIONS

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

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

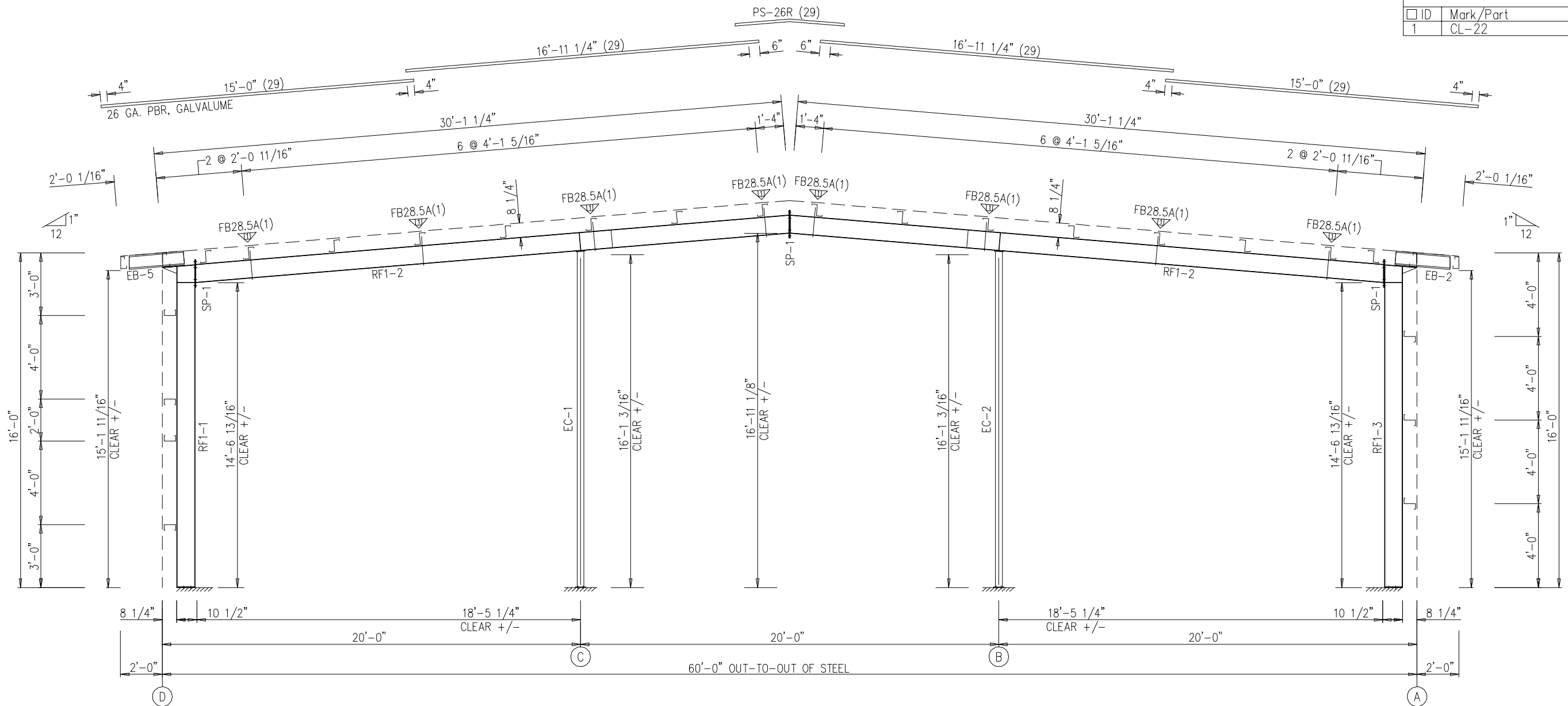
MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	
	Start	End	Thick	Length	W x Thk x Length	Inside Flange
RF1-1	10.0	10.0	0.135	15'-4 5/8"	5 x 1/4" x 15'-3 13/16"	5 x 1/4" x 14'-3 5/8"
RF1-2	10.0	10.0	0.135	20'-0"	5 x 1/4" x 28'-5 9/16"	5 x 1/4" x 28'-5 9/16"
RF1-3	10.0	10.0	0.135	15'-4 5/8"	5 x 1/4" x 15'-3 13/16"	5 x 1/4" x 14'-3 5/8"

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	12/29/23	APPROVAL
RTS	CAF	01/31/24	PERMIT
RTS	JMH	02/26/24	ERECTION
RTS	CAF	05/08/24	REVISED PERMIT
RTS	JMH	05/17/24	ERECTION

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

MEMBER TABLE		
Mark	Part	Length
EC-1	W8X10	16'-1 3/8"
EC-2	W8X10	16'-1 3/8"
EB-2	W8X10	3'-0 3/4"
EB-5	W8X10	3'-0 3/4"

CONNECTION PLATES	
ID	Mark/Part
1	CL-22



RIGID FRAME ELEVATION: FRAME LINE 1



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SCALE:	N.T.S.
SHEET NUMBER:	7 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	RIGID FRAME ELEVATION

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SPLICE BOLT TABLE						
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length
SP-1	4	4	4	A325	7/8"	2 1/2"
SP-2	4	4	0	A325	5/8"	2"

ALTERNATE MEMBER		
Frame Line	OID	Mark
2	A	EB-3

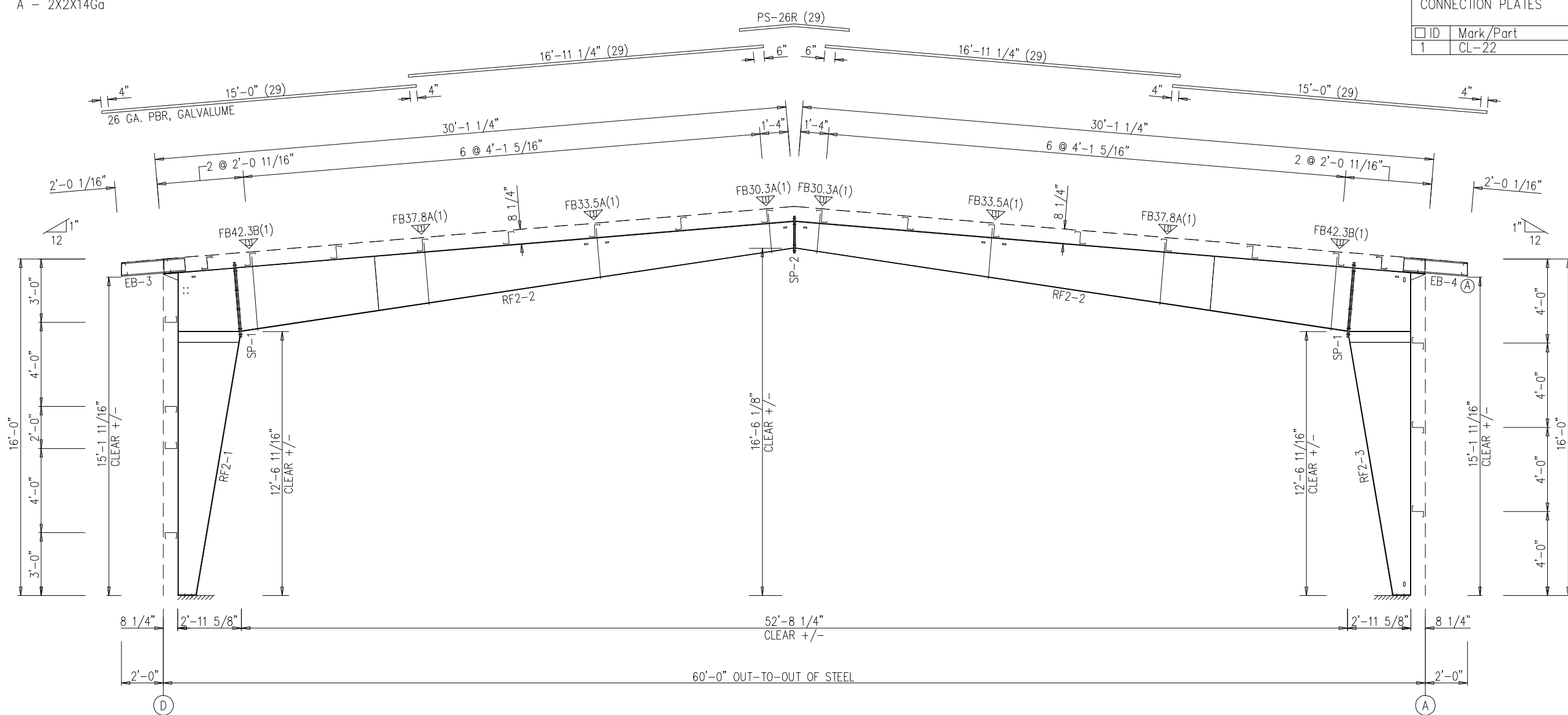
MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start/End	Thick	Length	Length	W x Thk x Length	W x Thk x Length
RF2-1	10.0/34.5	0.135	12'-0"		8 x 1/4" x 15'-3 11/16"	8 x 3/8" x 12'-5"
RF2-2	34.5/35.0	0.250	3'-6 5/16"		8 x 1/4" x 3'-4 5/16"	
	36.0/30.8	0.188	6'-7 1/8"		6 x 1/4" x 16'-3 1/8"	6 x 3/8" x 6'-11 5/16"
RF2-3	30.8/15.0	0.135	20'-0"		6 x 5/16" x 10'-4"	6 x 1/4" x 19'-7 1/4"
	35.0/34.5	0.250	3'-6 5/16"		8 x 1/4" x 3'-4 5/16"	8 x 3/8" x 12'-5"
	34.5/10.0	0.135	12'-0"		8 x 1/4" x 15'-3 11/16"	

MEMBER TABLE		
Mark	Part	Length
EB-3	W8X10	3'-0 3/4"
EB-4	W8X10	3'-0 3/4"

CONNECTION PLATES		
ID	Mark/Part	
1	CL-22	

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	12/29/23	APPROVAL
RTS	CAF	01/31/24	PERMIT
RTS	JMH	02/26/24	ERECTION
RTS	CAF	05/08/24	REVISED PERMIT
RTS	JMH	05/17/24	ERECTION

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



RIGID FRAME ELEVATION: FRAME LINES 2 3 4

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CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	8 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	RIGID FRAME ELEVATION

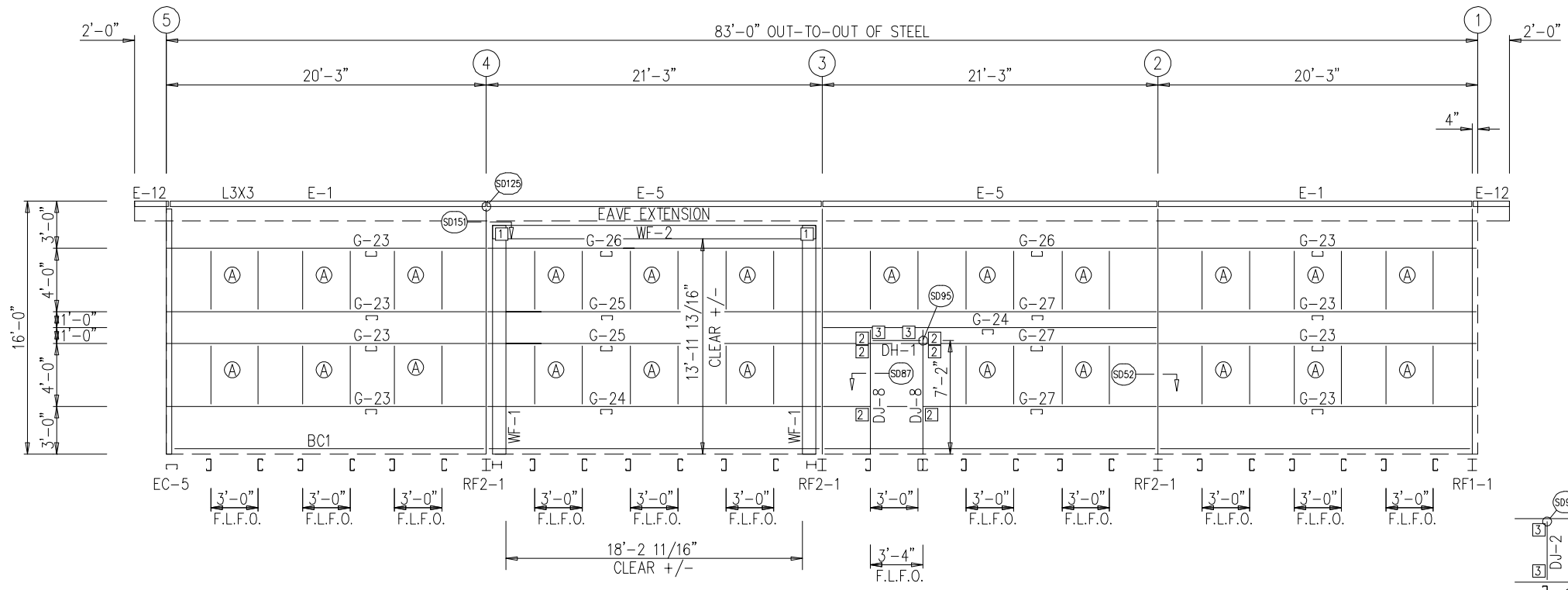
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TRIM TABLE FRAME LINE D				
ID	QUAN	PART	LENGTH	DETAIL
1	1	FL-502	16'-0"	TD106

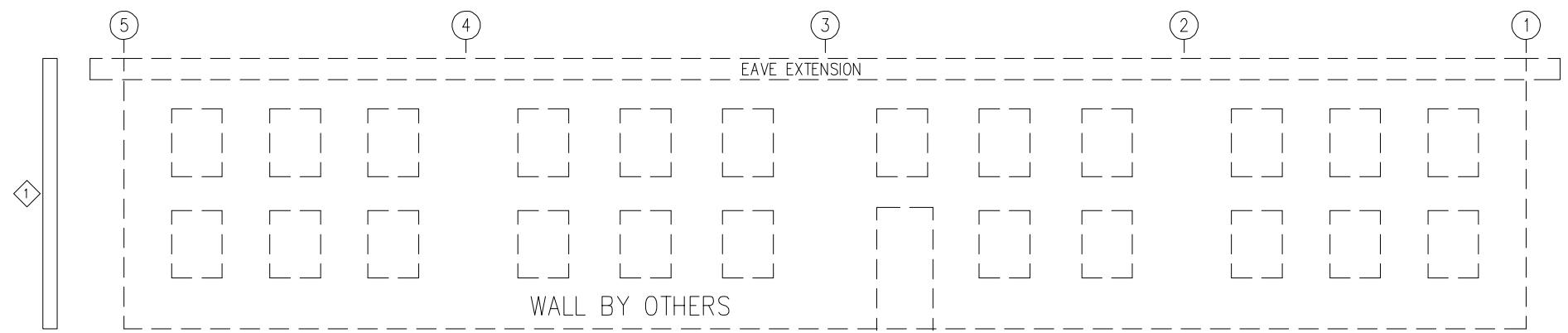
BOLT TABLE FRAME LINE D				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	3/4"	2 1/4"
WF-1 - RF2-1	8	A325	5/8"	1 1/2"

MEMBER TABLE FRAME LINE D			
QUAN	MARK	PART	LENGTH
2	WF-1	W10X22	14'-10"
1	WF-2	W10X22	18'-1 7/8"
46	DJ-2	8x25C16	3'-11 1/2"
2	DJ-8	8x25C16	7'-8"
1	DH-1	8x25C16	3'-3 1/2"
2	E-1	L08E16-1	19'-2 13/16"
2	E-5	L08E16-1	20'-6 13/16"
2	E-12	L08E16-1	1'-11 11/16"
8	G-23	8X25C14	20'-2 1/2"
2	G-24	8X25C12	21'-2 1/2"
2	G-25	8X25C14	21'-2 1/2"
2	G-26	8X35C14	21'-2 1/2"
3	G-27	8X25C16	21'-2 1/2"

CONNECTION PLATES FRAME LINE D		
ID	QUAN	MARK
1	2	CL-210
2	6	CL-103
3	94	CL-100



SIDEWALL FRAMING: FRAME LINE D
F.L.F.O.: FIELD LOCATED FRAME OPENING



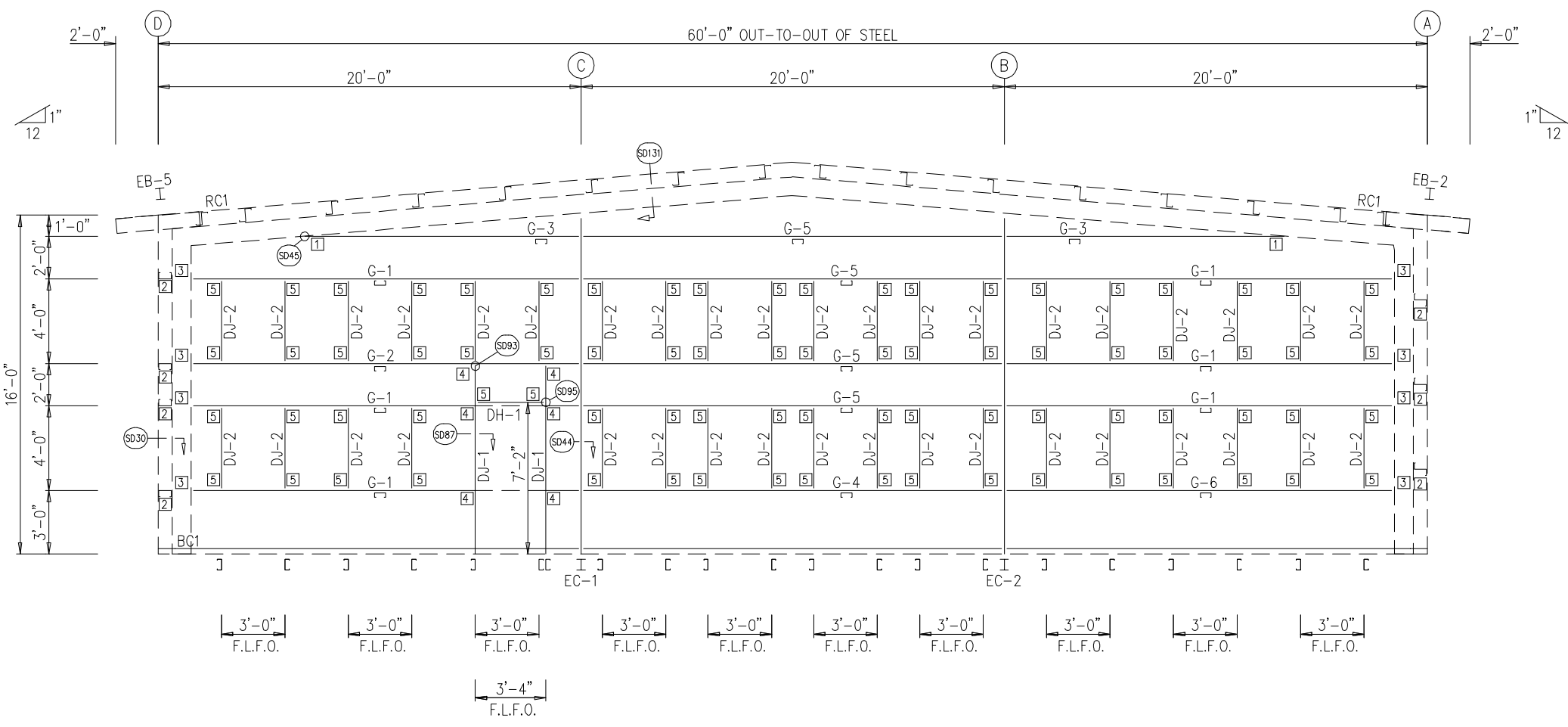
WALL BY OTHERS
SIDEWALL TRIM: FRAME LINE D

ENG.	CHK.	DATE	ISSUE
RTS	MEZ	12/29/23	APPROVAL
RTS	AA	01/31/24	PERMIT
RTS	JMH	02/26/24	ERECTION
RTS	JMH	05/08/24	REVISED PERMIT
RTS	JMH	05/17/24	ERECTION

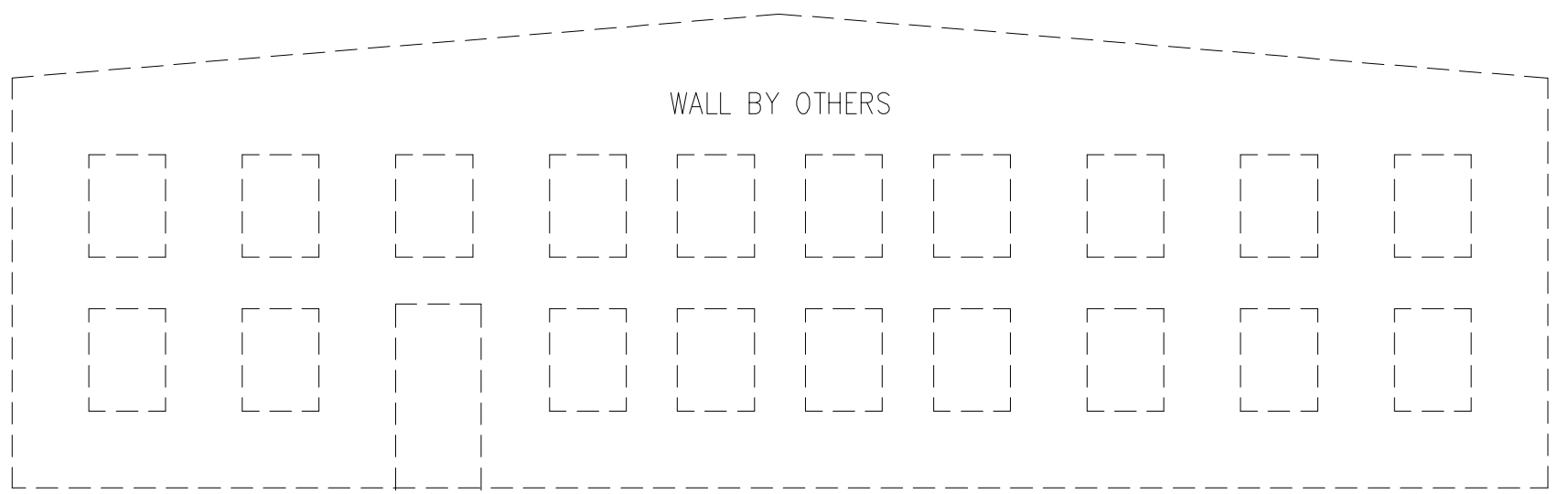
1101 3RD AVE
GRAND JUNCTION, CO 81501
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	10 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	SIDEWALL FRAMING & TRIM

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ENDWALL FRAMING: FRAME LINE 1
F.L.F.O.: FIELD LOCATED FRAME OPENING



ENDWALL TRIM: FRAME LINE 1

BOLT TABLE
FRAME LINE 1

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

MEMBER TABLE
FRAME LINE 1

QUAN	MARK	PART	LENGTH
1	EB-2	W8X10	3'-0 3/4"
1	EB-5	W8X10	3'-0 3/4"
1	EC-1	W8X10	16'-1 3/8"
1	EC-2	W8X10	16'-1 3/8"
2	DJ-1	8x25C16	8'-8"
38	DJ-2	8x25C16	3'-11 1/2"
1	DH-1	8x25C16	3'-3 1/2"
6	G-1	8X25C16	18'-0 15/16"
1	G-2	8X25C12	18'-0 15/16"
2	G-3	8X25C16	12'-6 7/8"
1	G-4	8X25C14	19'-3 13/16"
4	G-5	8X25C16	19'-3 13/16"
1	G-6	8X35C16	18'-0 15/16"

CONNECTION PLATES
FRAME LINE 1

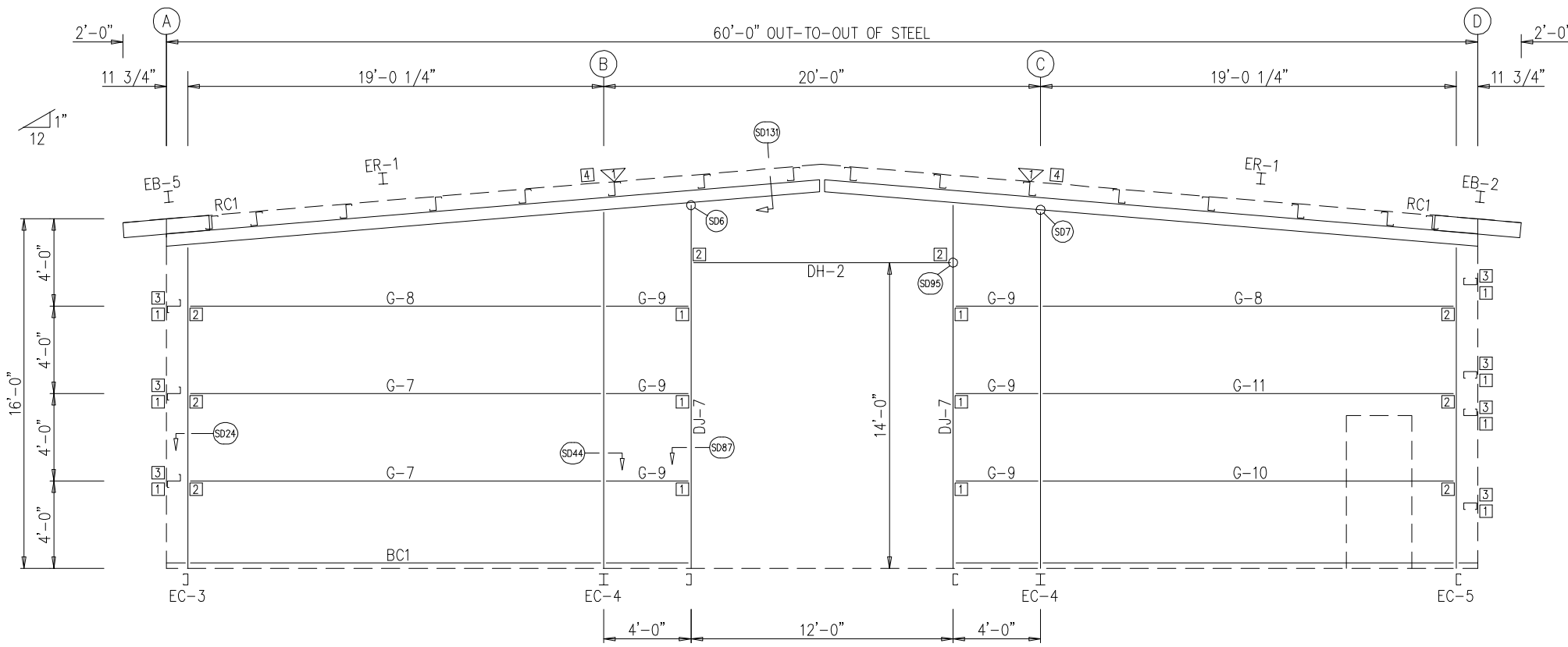
ID	QUAN	MARK
1	2	CL-109B
2	7	CL-5
3	8	4" ZEE - 9"
4	6	CL-103
5	78	CL-100

ENG.	CHK.	DATE	DWN.	MEZ	AA	JMH	MB	JMH	RTS	RTS	RTS	RTS	RTS	RTS	RTS
		12/29/23	MEZ												
		01/31/24	AA												
		02/26/24	JMH												
		05/08/24	MB												
		05/17/24	JMH												

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PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	11 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	ENDWALL FRAMING & TRIM

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ENDWALL FRAMING: FRAME LINE 5

TRIM TABLE
FRAME LINE 5

ID	QUAN	PART	LENGTH	DETAIL
1	5	FL-60	10'-2"	TD75
2	2	FL-55	14'-3"	TD51
3	2	FL-48	14'-2"	TD51
4	1	FL-55	12'-7"	TD52
5	1	FL-52	12'-4"	TD52
6	2	FL-48	7'-2"	TD51
7	1	FL-52	3'-4"	TD52

BOLT TABLE
FRAME LINE 5

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

MEMBER TABLE
FRAME LINE 5

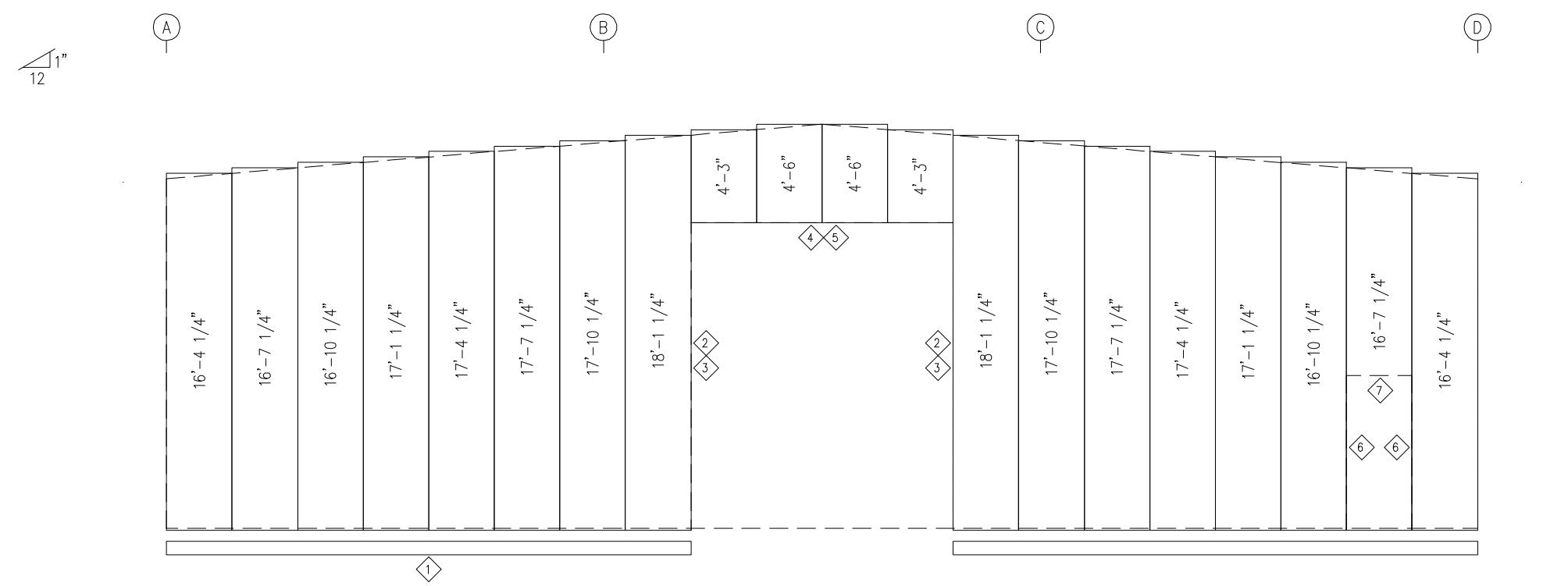
QUAN	MARK	PART	LENGTH
1	EB-2	W8X10	3'-0 3/4"
1	EB-5	W8X10	3'-0 3/4"
1	EC-3	8x25C12	14'-7 15/16"
2	EC-4	W8X10	16'-2 15/16"
1	EC-5	8x25C12	14'-7 15/16"
2	ER-1	W8X13	30'-1"
2	DJ-7	8x25C12	16'-7"
1	DH-2	8x25C16	11'-11 1/2"
2	G-7	8X25Z14	18'-7 15/16"
2	G-8	8X35Z14	18'-7 15/16"
6	G-9	8X25Z16	3'-3 7/8"
1	G-10	8X25Z16	18'-7 15/16"
1	G-11	8X25Z12	18'-7 15/16"

CONNECTION PLATES
FRAME LINE 5

ID	QUAN	MARK
1	13	CL-103
2	8	CL-100
3	7	CL-5
4	2	CL-22

FLANGE BRACE TABLE
FRAME LINE 5

ID	QUAN	MARK
1	2	FB28.3



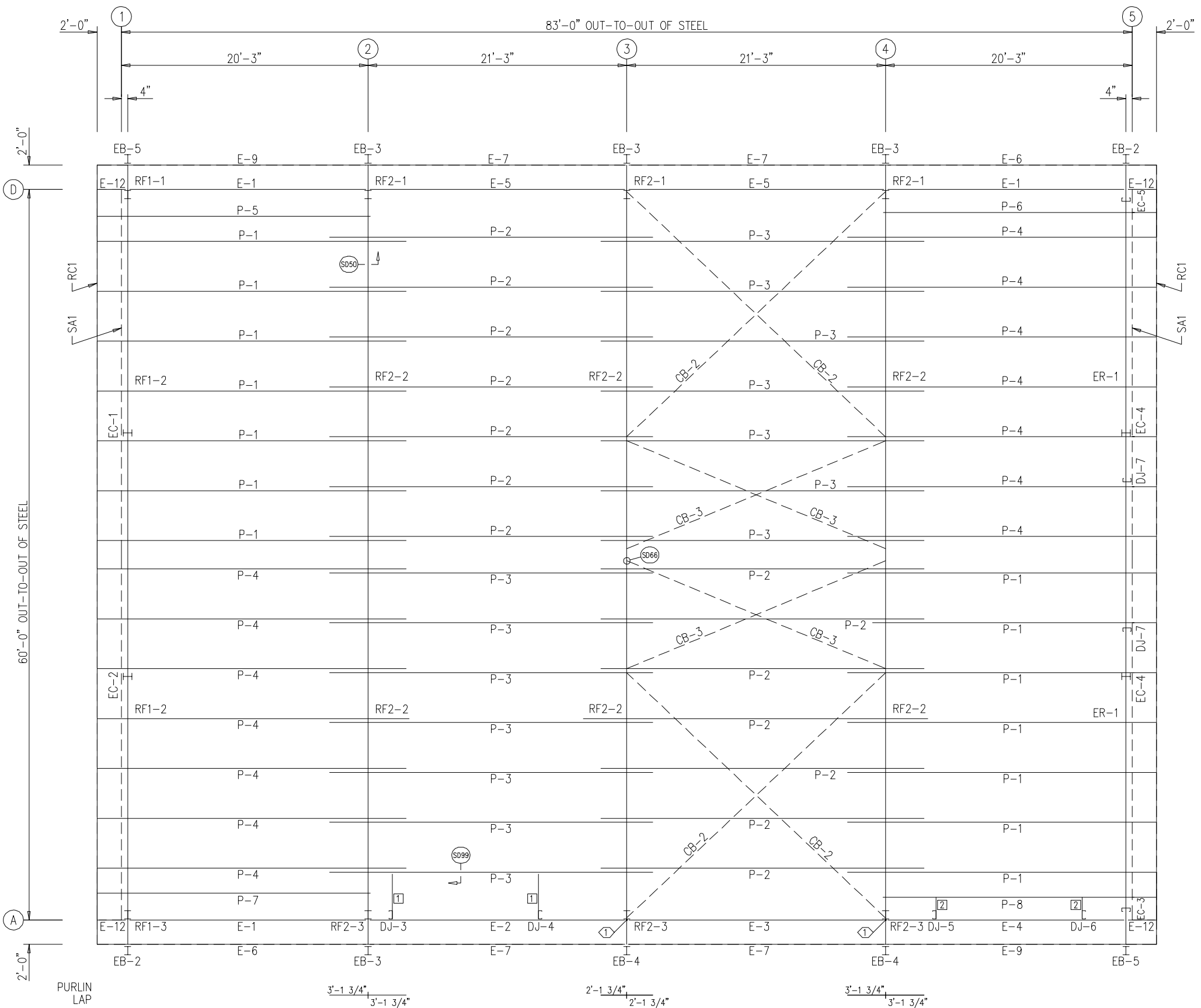
ENDWALL SHEETING & TRIM: FRAME LINE 5
PANELS: 26 GA. PBR - CHARCOAL GRAY

ENG.	RTS	CHK.	DATE	ISSUE
			12/29/23	APPROVAL
			01/31/24	PERMIT
			02/26/24	ERECTION
			05/08/24	REVISED PERMIT
			05/17/24	ERECTION

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PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	12 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	ENDWALL FRAMING & SHEETING

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ROOF FRAMING PLAN

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-5	4	A325	5/8"	1 1/2"

MEMBER TABLE
ROOF PLAN

QUAN	MARK	PART	LENGTH
2	EB-2	W8X10	3'-0 3/4"
4	EB-3	W8X10	3'-0 3/4"
2	EB-4	W8X10	3'-0 3/4"
2	EB-5	W8X10	3'-0 3/4"
14	P-1	8X25Z12	25'-4 1/2"
14	P-2	8X25Z14	26'-6 1/2"
14	P-3	8X25Z14	26'-6 1/2"
14	P-4	8X25Z12	25'-4 1/2"
1	P-5	8X35Z16	22'-6 1/2"
1	P-6	8X35Z14	22'-6 1/2"
1	P-7	8X35Z16	22'-6 1/2"
1	P-8	8X35Z14	22'-6 1/2"
3	E-1	L08E16-1	19'-2 13/16"
1	E-2	L08E16-1	20'-6 13/16"
1	E-3	L08E16-1	20'-6 13/16"
1	E-4	L08E16-1	19'-2 13/16"
2	E-5	L08E16-1	20'-6 13/16"
2	E-6	L08E14-1	21'-10 11/16"
4	E-7	L08E12-1	20'-6 13/16"
2	E-9	L08E14-1	1'-11 11/16"
4	E-12	L08E16-1	21'-10 11/16"
4	CB-2	CB0313	28'-10"
4	CB-3	CB0250	23'-4 1/2"

SPECIAL BOLTS
ROOF PLAN

ID	QUAN	TYPE	DIA	LENGTH	WASH
1	8	A307	1/2"	1"	8

CONNECTION PLATES
ROOF PLAN

ID	QUAN	MARK
1	2	JB-1
2	2	JB-2

ENG.	RTS	CHK.	DATE	DWN.
			12/29/23	MEZ
			01/31/24	AA
			02/26/24	JMH
			05/08/24	MB
			05/17/24	JMH

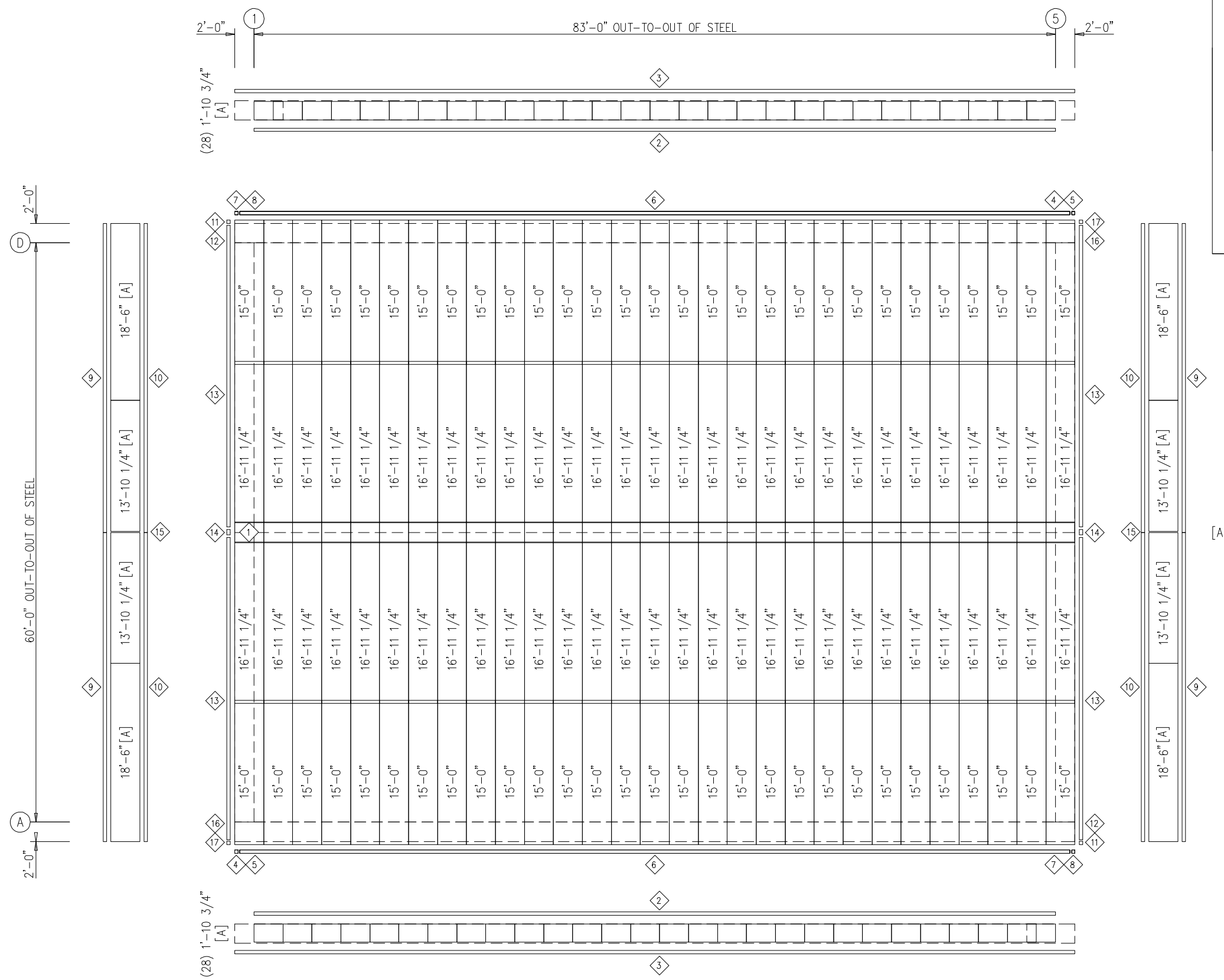
ISSUE	APPROVAL	PERMIT	ERECTION	REVISED PERMIT	ERECTION



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PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	13 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	ROOF FRAMING PLAN

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ID	QUAN	PART	LENGTH	DETAIL
1	29	PS-26R	3'-0"	TD8
2	14	FL-501	12'-2"	TD236
3	16	FL-500	11'-1"	TD20
4	2	FL-29L	11'-2"	TD13
5	2	FL-30L	9 1/2"	TD85
6	12	FL-29	11'-4"	TD16
7	2	FL-29R	11'-2"	TD13
8	2	FL-30R	9 1/2"	TD85
9	12	FL-79	11'-2"	TD64
10	12	FL-64	10'-4"	TD70
11	2	FL-328L	0'-9"	TD13
12	2	FL-21L	11'-2"	TD85
13	8	FL-21	11'-4"	TD65
14	2	FL-23	1'-4"	TD72
15	2	FL-88	2'-2"	TD85
16	2	FL-21R	11'-2"	TD85
17	2	FL-328R	0'-9"	TD13

ENG.	CHK.	DATE	ISSUE	DETAIL
RTS	MEZ	12/29/23	APPROVAL	
RTS	AA	01/31/24	PERMIT	
RTS	JMH	02/26/24	ERECTION	
RTS	MB	05/08/24	REVISED PERMIT	
RTS	JMH	05/17/24	ERECTION	

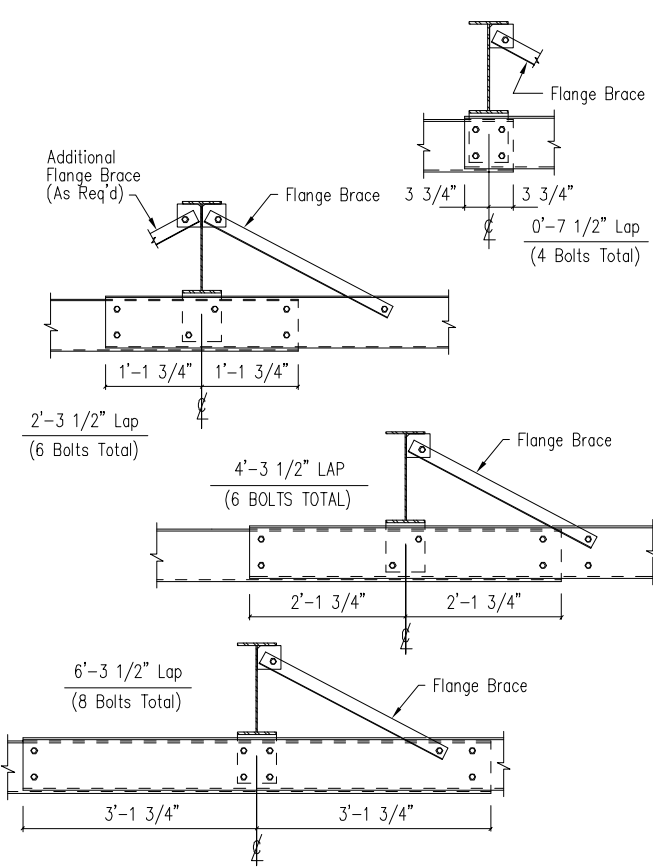
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PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	14 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	ROOF SHEETING PLAN

ROOF SHEETING PLAN

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

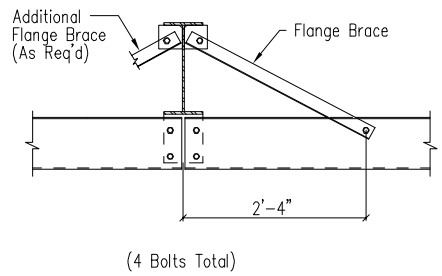
THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT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



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

Interior Bay Girt Framing

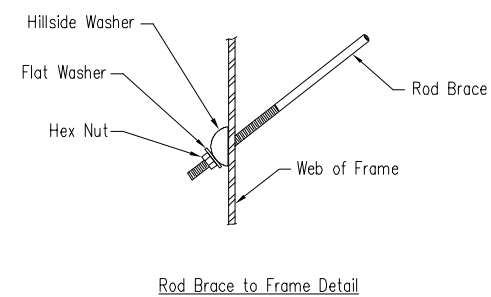
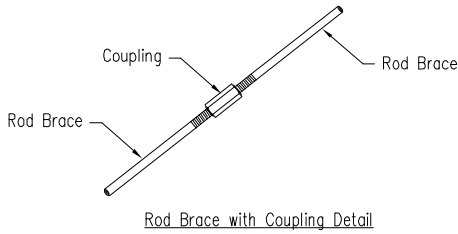
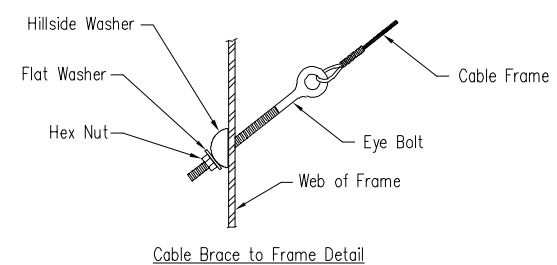
DRAWING NO.
SD51



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

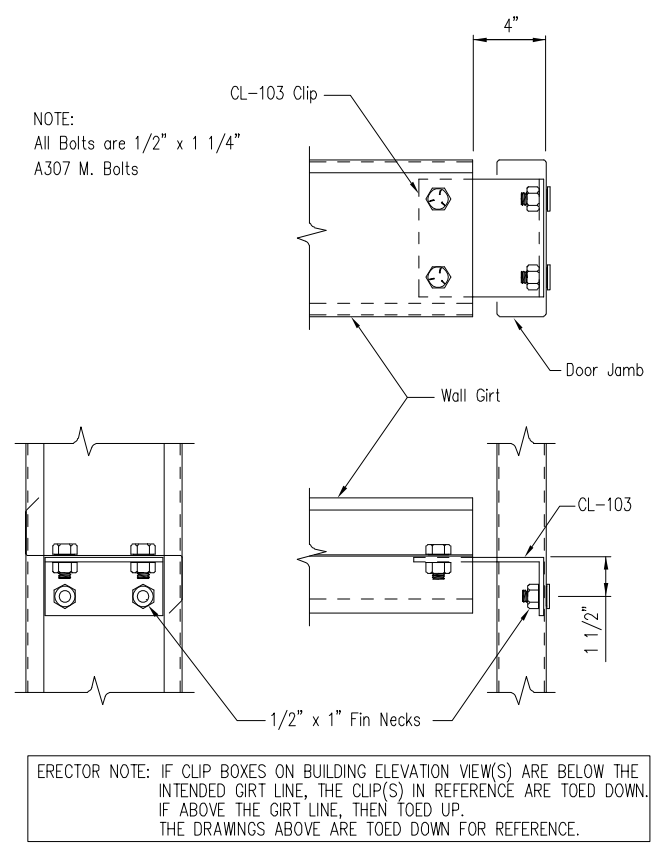
Simple Span Girt Framing

DRAWING NO.
SD52



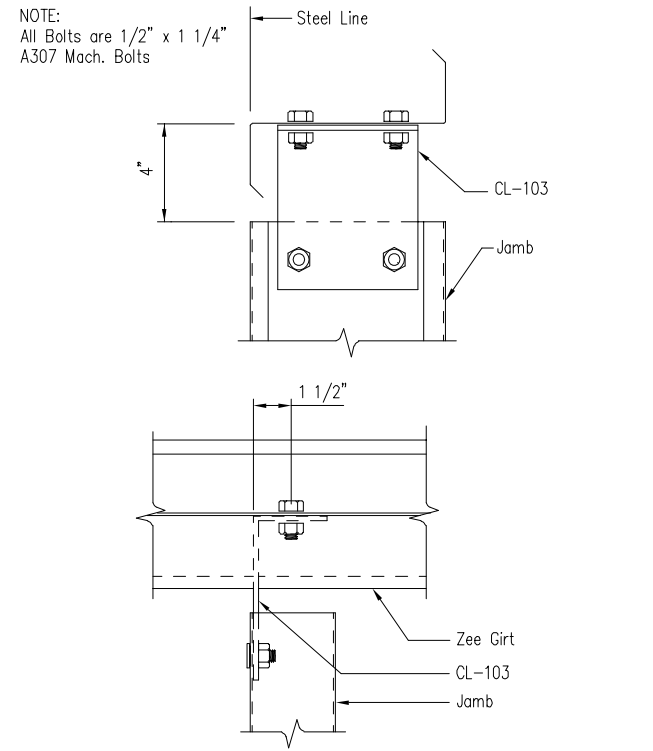
Cable or Rod Brace to Frame Connection

DRAWING NO.
SD66



Girt to Jamb (Bolted Clips)

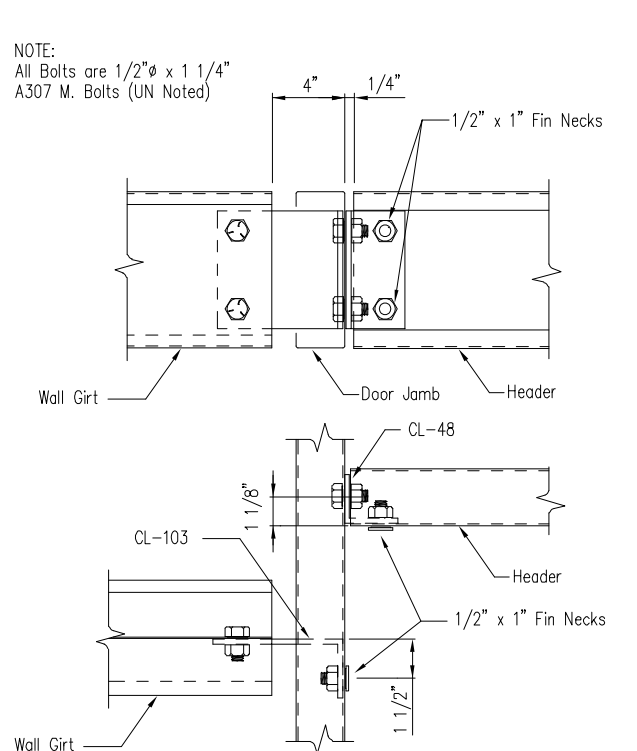
DRAWING NO.
SD87



ERECTOR NOTE: IF CLIP BOXES ON BUILDING ELEVATION VIEW(S) ARE 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

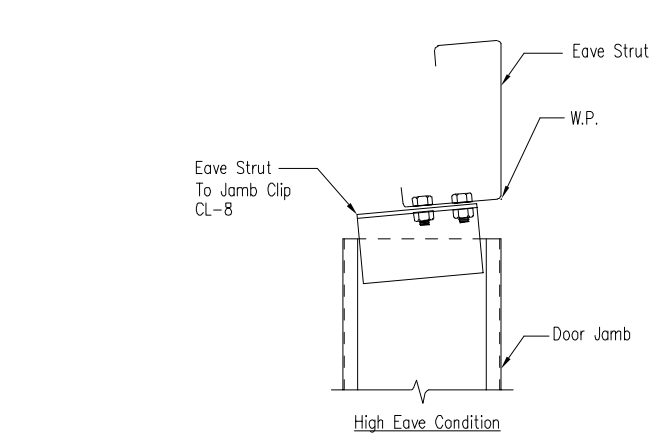
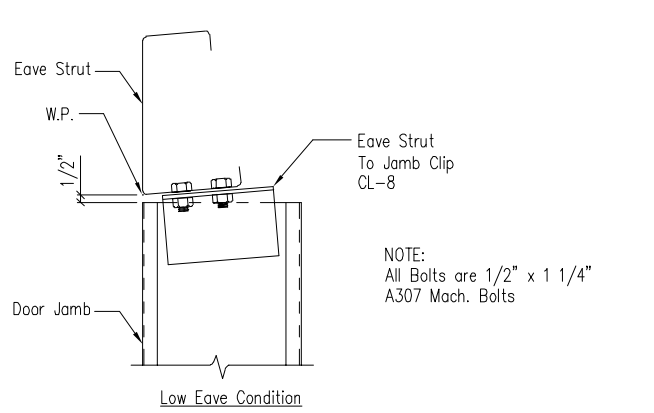
DRAWING NO.
SD93



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.

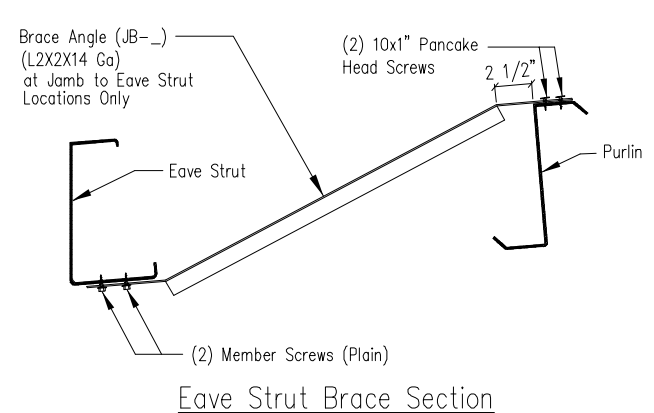
Girt/Header to Jamb

DRAWING NO.
SD95

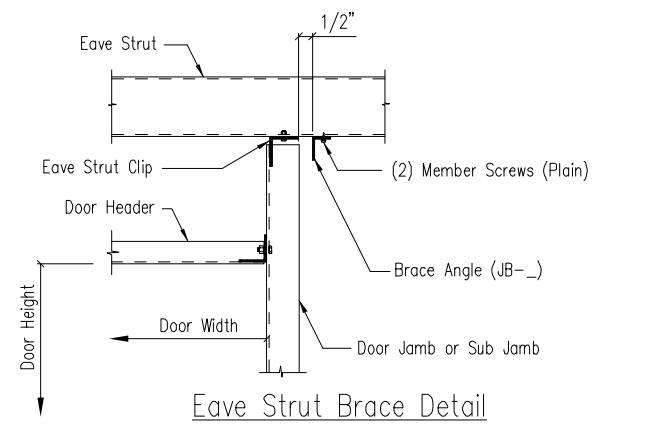


Jamb To Eave Strut
2:12 Roof Pitch and Higher

DRAWING NO.
SD97



Eave Strut Brace Section



Eave Strut Brace Detail

Framed Opening Jamb Brace Angle Detail

DRAWING NO.
SD99

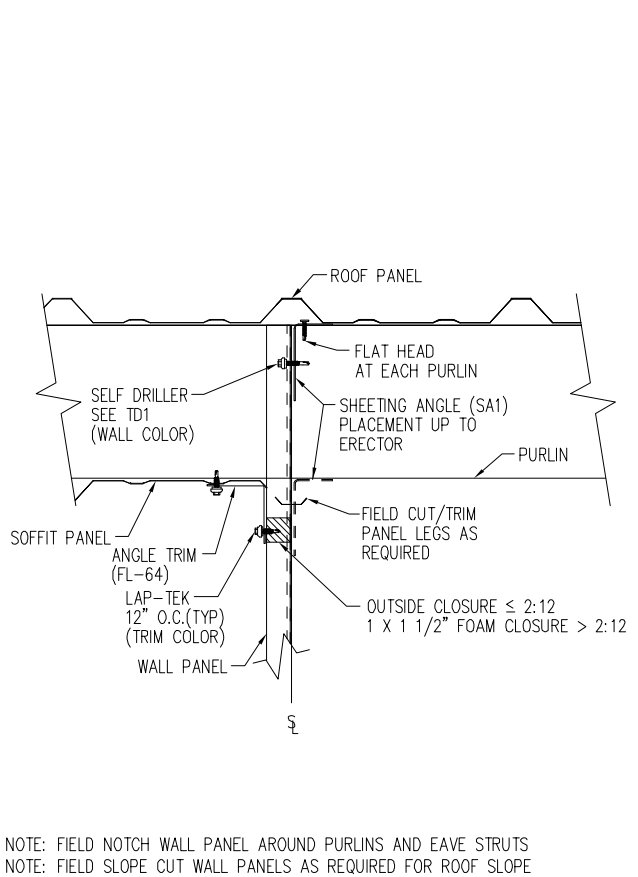
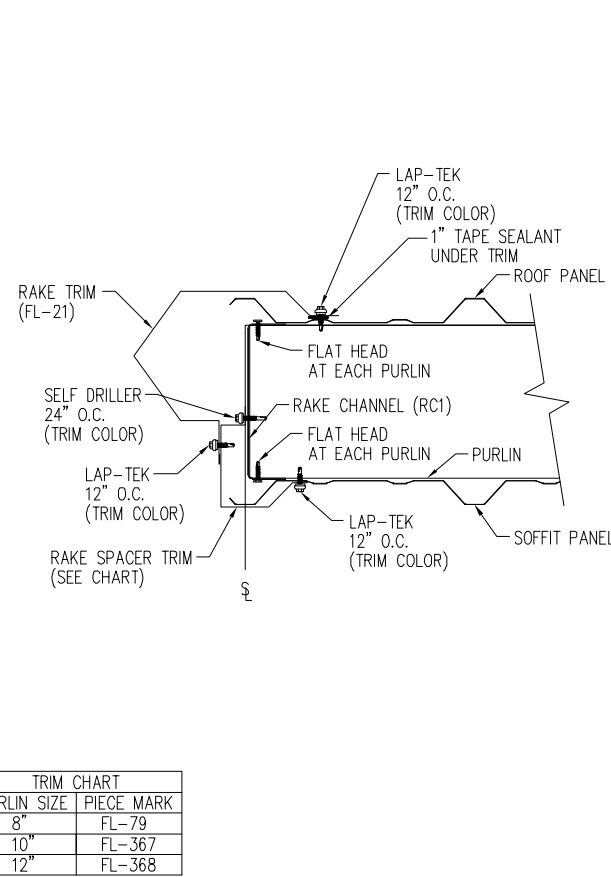
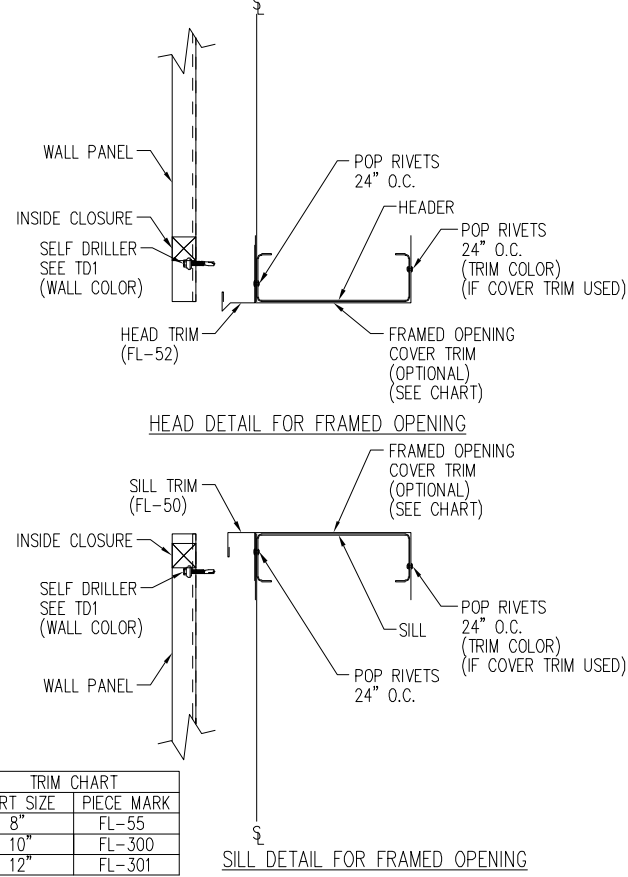
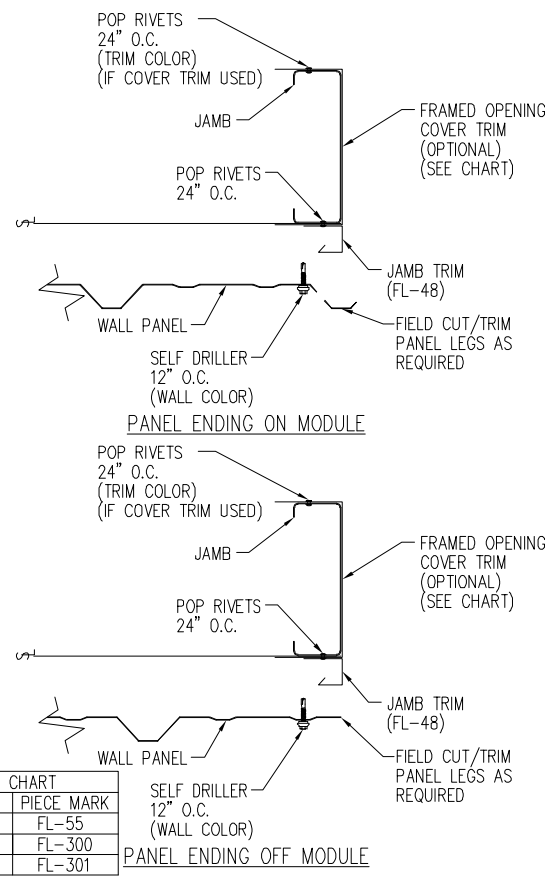
ENG.	CHK.	DATE	ISSUE
RTS	MEZ	12/29/23	APPROVAL
RTS	CAF	01/31/24	PERMIT
RTS	JMH	02/26/24	ERECTION
RTS	CAF	05/08/24	REVISED PERMIT
RTS	JMH	05/17/24	ERECTION



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CUSTOMER EMAIL:	
SCALE:	
SHEET NUMBER:	16 OF 20
JOB NUMBER:	94753R1
SHEET TITLE:	DETAIL DRAWINGS

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NOTE: FIELD NOTCH WALL PANEL AROUND PURLINS AND EAVE STRUTS
NOTE: FIELD SLOPE CUT WALL PANELS AS REQUIRED FOR ROOF SLOPE

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

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

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

Framed Opening Jamb Detail - PBR

DRAWING NO. TD51
Created On: 08/06/18

Framed Opening Head and Sill Details - PBR

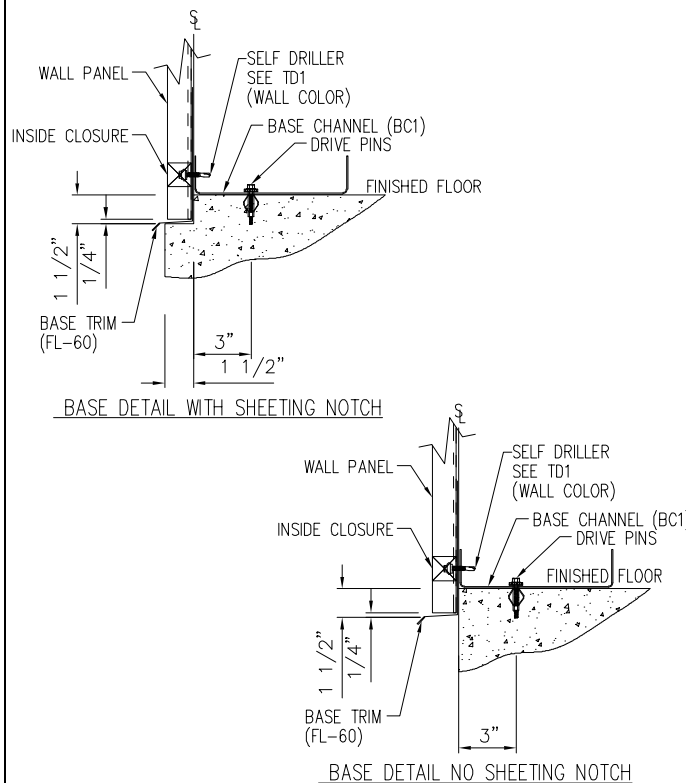
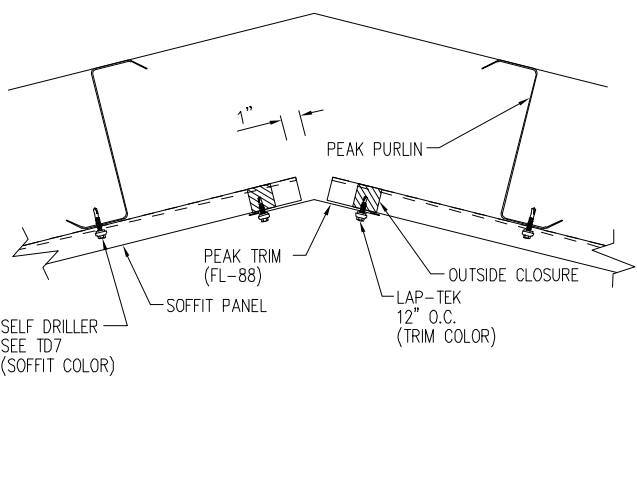
DRAWING NO. TD52
Created On: 08/06/18

Rake Detail - PBR
Box Rake - Open Wall - With Soffit

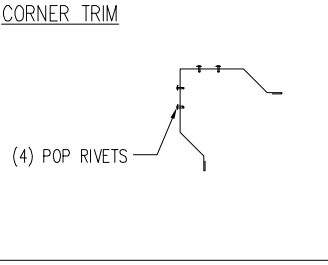
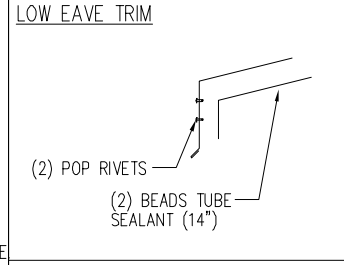
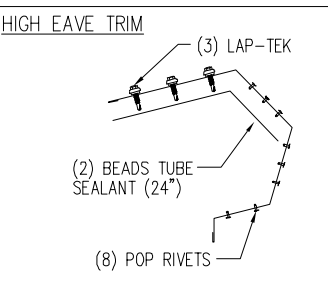
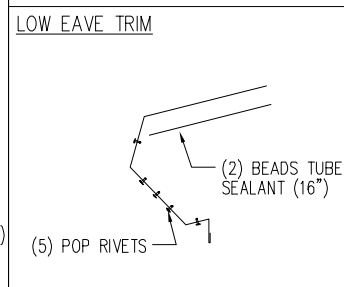
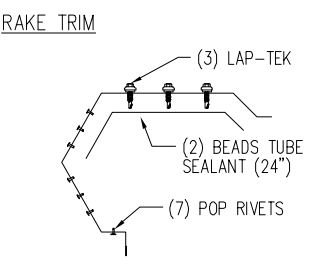
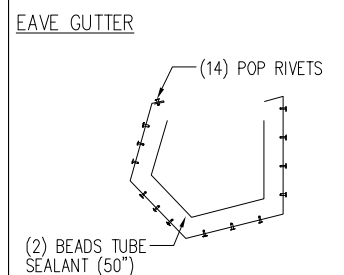
DRAWING NO. TD65
Created On: 08/06/18

Rake Extension Detail at Building Line - PBR
Sheeted Wall - With Soffit

DRAWING NO. TD70
Created On: 08/06/18



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)



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

Flat Ridge Detail - PBR
With Soffit

DRAWING NO. TD72
Created On: 08/17/18

Base Channel w/Trim Details

DRAWING NO. TD75
Created On: 08/06/18

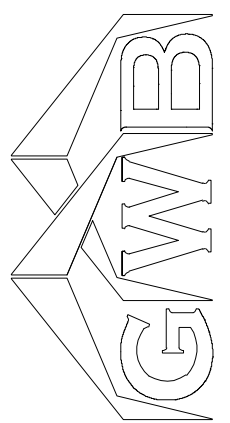
Trim Laps - PBR Sculptured

DRAWING NO. TD85
Created On: 12/14/18

Section at Open Corner Detail - PBR

DRAWING NO. TD106
Created On: 12/14/18

ENG.	CHK.	DATE	DWN.	ISSUE
RTS	MEZ	12/29/23	MEZ	APPROVAL
RTS	CAF	01/31/24	AA	PERMIT
RTS	JMH	02/26/24	JMH	ERECTION
RTS	CAF	05/08/24	MB	REVISED PERMIT
RTS	JMH	05/17/24	JMH	ERECTION



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

SHEET NUMBER: 19 OF 20
JOB NUMBER: 94753R1
SHEET TITLE: DETAIL DRAWINGS

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