

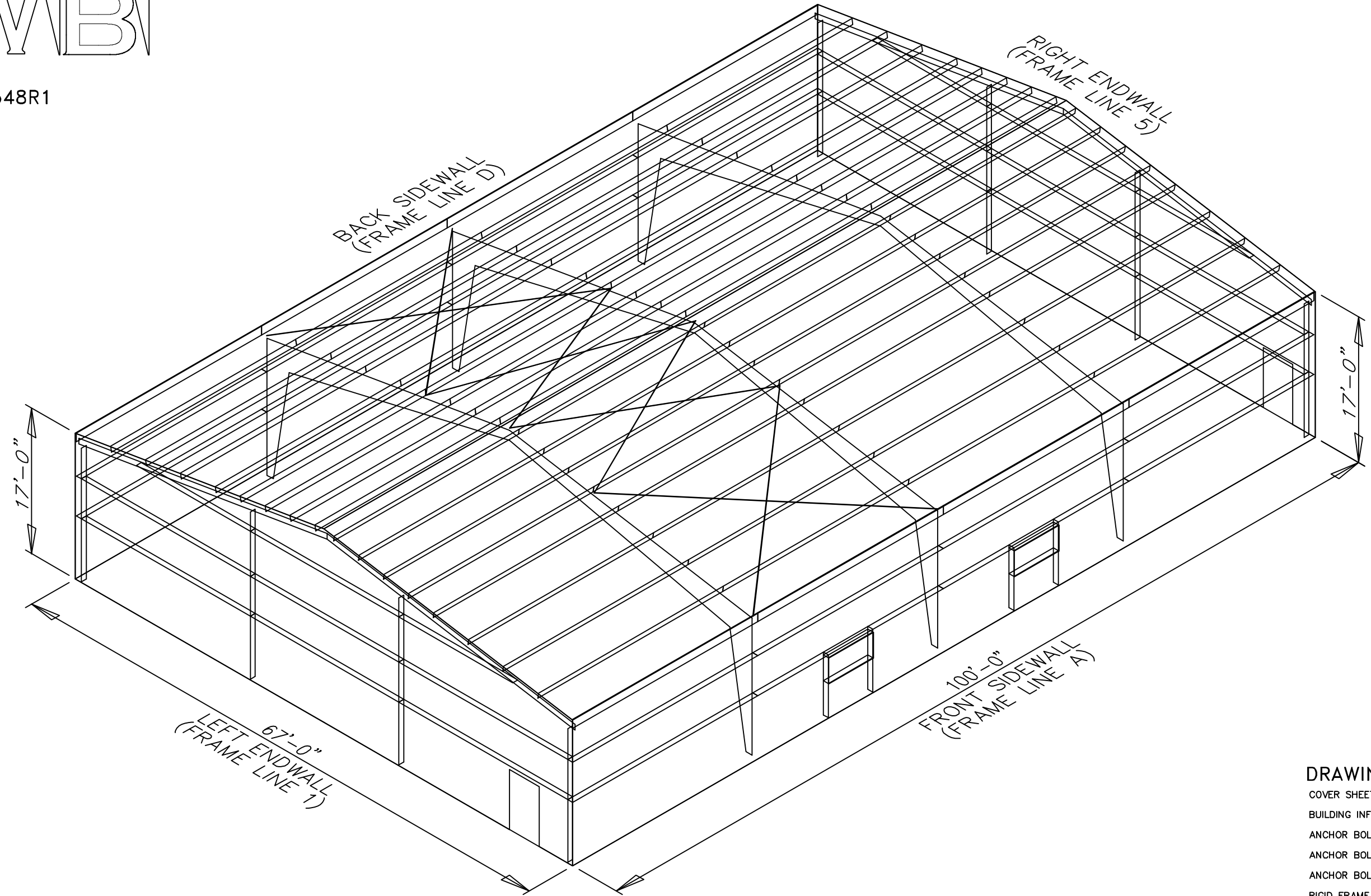
JOB NUMBER: 93548R1

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, FALSEWORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION SHALL BE DETERMINED, FURNISHED AND INSTALLED BY THE ERECTOR. NO ITEMS SHOULD BE PURCHASED FROM A PRELIMINARY SET OF DRAWINGS, INCLUDING ANCHOR BOLTS. USE ONLY FINAL "FOR ERECTION" DRAWINGS FOR THIS USE. (AISC CODE OF STANDARD PRACTICE, LATEST EDITION.)
- 2.9 METAL BUILDING SUPPLIER IS RESPONSIBLE FOR THE DESIGN OF THE ANCHOR BOLTS TO PERMIT THE TRANSFER OF FORCES BETWEEN THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BEARING AND TENSION, BUT IT IS NOT RESPONSIBLE FOR THE TRANSFER OF ANCHOR BOLT FORCES TO THE CONCRETE OR THE ADEQUACY OF THE ANCHOR BOLT IN RELATION TO THE CONCRETE. UNLESS OTHERWISE NOTED PROVIDED IN THE ORDER DOCUMENTS, M.B.S. DOES NOT DESIGN AND IS NOT RESPONSIBLE FOR THE DESIGN, MATERIAL AND CONSTRUCTION OF THE FOUNDATION OR FOUNDATION EMBEDMENTS. THE END USE CUSTOMER SHOULD BE ASSURE HIMSELF THAT ADEQUATE PROVISIONS ARE MADE IN THE FOUNDATION DESIGN FOR LOADS IMPOSED BY COLUMN REACTIONS OF THE BUILDING, OTHER IMPOSED LOADS, AND BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE. IT IS RECOMMENDED THAT THE ANCHORAGE AND FOUNDATION OF THE BUILDING BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER EXPERIENCED IN THE DESIGN OF SUCH STRUCTURES. (LATEST MBMA LOW RISE BUILDING SYSTEMS MANUAL)
- 2.10 NORMAL ERECTION OPERATIONS INCLUDE THE CORRECTIONS OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, CHIPPING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE THROUGH THE USE OF DRIFT PINS. ERRORS WHICH CANNOT BE CORRECTED BY THE FOREGOING MEANS OR WHICH REQUIRE MAJOR CHANGES IN MEMBER CONFIGURATION ARE TO BE REPORTED IMMEDIATELY TO M.B.S. BY THE BUYER/END USE CUSTOMER, TO ENABLE WHOEVER IS RESPONSIBLE EITHER TO CORRECT THE ERROR OR TO APPROVE THE MOST EFFICIENT AND ECONOMIC METHOD OF CORRECTION TO BE USED BY OTHERS. (AISC CODE OF STANDARD PRACTICE LATEST EDITION)
- 2.11 NEITHER THE FABRICATOR NOR THE BUYER/END USE CUSTOMER WILL CUT, DRILL OR OTHERWISE ALTER HIS WORK, OR THE WORK OF OTHER TRADES, TO ACCOMMODATE OTHER TRADES, UNLESS SUCH WORK IS CLEARLY SPECIFIED IN THE CONTRACT DOCUMENTS. WHENEVER SUCH WORK IS SPECIFIED, THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR FURNISHING COMPLETE INFORMATION AS TO MATERIALS, SIZE, LOCATION AND NUMBER OF ALTERATIONS PRIOR TO PREPARATION OF SHOP DRAWINGS. (AISC CODE OF STANDARD PRACTICE LATEST EDITION)
- 2.12 **WARNING:** IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSIVE EFFECTS ON THE GALVALUME ALLOY COATING WHEN THEY ARE IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.
- 2.13 **SAFETY COMMITMENT:** METAL BUILDING SUPPLIER HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE RECTOR ARE BEYOND THE CONTROL OF M.B.S. IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE. LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKERS SAFETY. MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING. EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES. DAILY MEETINGS HIGHLIGHTING SAFETY PROCEDURES ARE ALSO RECOMMENDED. THE USE OF HARD HATS, RUBBER SOLE SHOES FOR ROOF WORK, PROPER EQUIPMENT FOR HANDLING MATERIAL, AND SAFETY NETS WHERE APPLICABLE, ARE RECOMMENDED.
- 2.14 ROOF DRAINAGE SYSTEMS (GUTTER, DOWNSPOUTS, ETC.) MUST BE FREE OF ANY OBSTRUCTION TO ENSURE SMOOTH OPERATION AT ANY GIVEN TIME.
- 2.15 IT IS RECOMMENDED BY FACTORY MUTAL (REFERENCE B2.44) THAT ROOFS BE CLEARED OF SNOW WHEN HALF OF THE MAXIMUM SNOW DEPTH IS REACHED. THE MAXIMUM SNOW DEPTH CAN BE ESTIMATED BASED ON THE DESIGN SNOW LOAD AND THE DENSITY OF SNOW AND/OR ICE BUILDUP. SSE TABLE BELOW.
- | ROOF SNOW LOAD (IN PSF) | EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES) | RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES) |
|-------------------------|--|--|
| 20 | 16.60 | 8.30 |
| 25 | 17.25 | 8.62 |
| 30 | 17.90 | 8.95 |
| 35 | 18.55 | 9.28 |
| 40 | 19.20 | 9.60 |
| 45 | 19.85 | 9.92 |
| 50 | 20.50 | 10.25 |
| 55 | 21.15 | 10.58 |
| 60 | 21.80 | 10.90 |
| 65 | 22.45 | 11.22 |
| 70 | 23.10 | 11.55 |
| 75 | 23.75 | 11.88 |
| 80 | 24.40 | 12.20 |
- NOTE:
FOR SNOW/ICE REMOVAL PROCEDURE, REFER TO METAL BUILDING SYSTEM MANUAL 2002 EDITION, SECTION A8.4, PAGE XI-A8-2

BUILDING LOADS

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

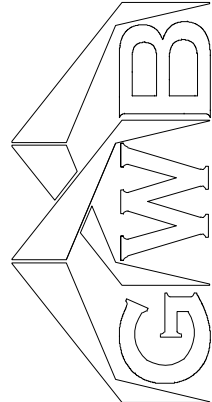
- DESIGN LOADS:**
DESIGN CODE / WIND CODE : IBC-21
OCCUPANCY / RISK CATEGORY : II-Normal
ENCLOSURE : Enclosed
ROOF DEAD LOAD (D) (PSF) : 2.10
ROOF COLLATERAL LOAD (C) (PSF) : 1.00
WIND LOAD
ULTIMATE WIND SPEED, (VULT) (MPH) : 115.00
WIND EXPOSURE CATEGORY : C
INTERNAL PRESSURE COEFFICIENT, (GCpi) : 0.18/-0.18
WALL PANEL DESIGN WIND PRESSURE (PSF) : 25.73/-27.87
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) : 40.00
ROOF SNOW LOAD, (Pf) (PSF) : 30.00
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 = 0.440 :S1 = 0.149
SPECTRAL RESPONSE COEFFICIENTS : Sds = 0.425 :Sd1 = 0.229
SEISMIC DESIGN CATEGORY : D
BASIC SEISMIC FORCE RESISTING SYSTEM : STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE
RIGID FRAMES (OMF) : RIGID FRAMES (OMF)
BRACED FRAMES (OCBF/OMF) : BRACED FRAMES (OCBF/OMF)
LONGITUDINAL = 2.63
TRANSVERSE = 5.29
RIGID FRAMES = 3.25 Ω = 3.00
SEISMIC RESPONSE COEFFICIENTS, (Cs) : RIGID FRAMES = 0.1308
ANALYSIS PROCEDURE USED : EQUIVALENT LATERAL FORCE PROCEDURE
OTHER LOADS/REQUIREMENTS

THIS BUILDING IS DESIGNED USING PANEL SHEAR BRACING. NO ADDITIONAL OPENINGS ARE TO BE ADDED WITHOUT CONSULTING THE ORIGINAL DESIGN ENGINEER OR A LOCAL ENGINEERING PROFESSIONAL.

BUILDING DESCRIPTION:

- WIDTH (FT) : 67.00
LENGTH (FT) : 100.00
EAVE HEIGHT AT BSW (FT) : 17.00
EAVE HEIGHT AT FSW (FT) : 17.00
ROOF SLOPE AT BSW : 2.0:12
ROOF SLOPE AT FSW : 2.0:12
BAY SPACING (FT) : 4 AT 25.00
COVERING AND TRIMS:
ROOF PANELS & TRIMS
PANEL TYPE : 26 GA. PBR
PANEL COLOR : GALVALUME
TRIM COLORS
GABLE/EAVE : CHARCOAL GRAY
EAVE GUTTER : N/A
WALL PANELS & TRIMS
PANEL TYPE : 26 GA. PBR
PANEL COLOR : ASH GRAY
TRIM COLORS
CORNER : CHARCOAL GRAY
FRAMED OPENING : CHARCOAL GRAY
DOWNSPOUTS : N/A
BASE : ASH GRAY
INSULATION
ROOF INSULATION : N/A
WALL INSULATION : N/A

ENG.	CHK.	DWN.	MEZ	AA	CAF	RTS	PKD												
DATE	04/29/21	07/07/21	11/07/23	12/06/23															
ISSUE	APPROVAL	PERMIT	REVISED PERMIT	ERECTION															



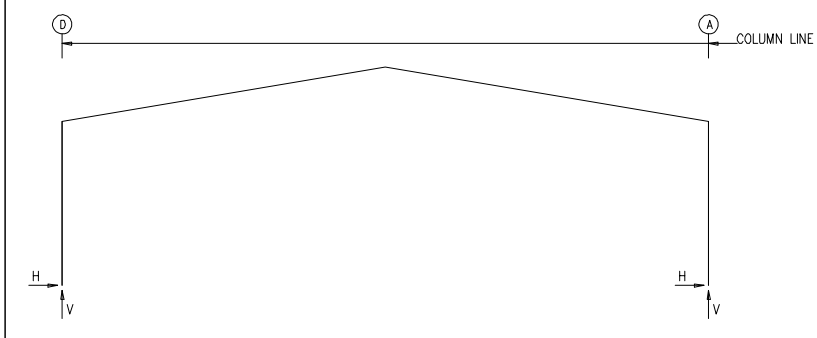
3033 S. PARKER RD 12 FLOOR
AURORA, CO 80014
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N. T. S.
SHEET NUMBER:	2 OF 13
JOB NUMBER:	93548R1

BUILDING INFO COVERSHEET

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

FRAME LINES: 2 3 4



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

Frm Line	Col Line	Column_Reactions(k)				Hmin H	V Vmin	Bolt(in) QTY DIA	Base_Plate(in)			Grout (in)	
		Load Id	Hmax H	Vmax	Load Id				Width	Length	Thick		
2*	D	1	19.5	28.9	2	-6.6	-8.3	4	0.750	6.000	10.75	0.375	0.0
2*	A	3	6.6	-8.3	1	-19.5	28.9	4	0.750	6.000	10.75	0.375	0.0
		1	-19.5	28.9	3	6.6	-8.3						
2*	FRAME lines: 2 3 4												

NOTES FOR REACTIONS

Building reactions are based on the following building data:

- Width (ft) = 67.00
- Length (ft) = 100.00
- Eave Height (ft) = 17.00/17.00
- Roof Slope (rise/12) = 2.0:12/2.0:12
- Dead Load (psf) = 2.10
- Collateral Load (psf) = 1.00
- Live Load (psf) = 20.00
- Snow Load (psf) = 30.00
- 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 = D
- Seismic Coeff (Fo*Fs) = 0.64

ANCHOR BOLT SUMMARY

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

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k)			Panel_Shear (b/ft)	
			Wind	Seismic	Seismic	Wind	Seis
L_EW	1					37	17
F_SW	A					68	39
R_EW	5					37	17
B_SW	D					59	34

Reactions for seismic represent shear force, Eh

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Line	Column	Dead		Collateral		Live		Snow		Wind_Left1		Wind_Right1	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	1.7	2.9	0.6	0.8	11.5	16.8	17.2	25.1	-12.8	-16.8	-4.9	-12.0
2*	A	-1.7	2.9	-0.6	0.8	-11.5	16.7	-17.2	25.1	4.9	-12.0	12.8	-16.8

Line	Column	Wind_Left2		Wind_Right2		Wind_Long1		Wind_Long2		Seismic_Left		Seismic_Right	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	-10.2	-9.6	-2.4	-4.9	-5.5	-15.5	-6.5	-12.8	-0.8	-0.4	0.8	0.4
2*	A	2.4	-4.9	10.2	-9.6	6.5	-12.8	5.5	-15.5	-0.8	0.4	0.8	-0.4

Line	Column	MIN_SNOW		F1UNB_SL_L		F1UNB_SL_R	
		Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	11.5	16.7	14.4	24.5	14.4	14.3
2*	A	-11.5	16.7	-14.4	14.3	-14.4	24.5

2* FRAME lines: 2 3 4

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1	Wind Right1	Wind Left2	Wind Right2	Wind Press	Wind Suct	Wind Long1	Wind Long2
						Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	0.5	0.1	2.5	3.8	-3.4	-2.2	-2.1	-0.8	-2.0	2.2	-3.8	-2.4
1	C	1.2	0.3	6.0	9.0	-8.4	-5.1	-6.0	-2.8	-4.3	4.7	-8.0	-4.5
1	B	1.2	0.3	6.0	9.0	-8.4	-5.1	-6.0	-2.8	-4.3	4.7	-4.5	-8.0
1	A	0.5	0.1	2.5	3.8	-2.2	-3.4	-0.8	-2.1	-2.0	2.2	-2.4	-3.8

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	Seis Long Horz	-MIN_SNOW-		E1UNB_SL_L-		E1UNB_SL_R-	
					Horz	Vert	Horz	Vert	Horz	Vert
1	D	0.0	0.2	0.0	0.0	2.5	0.0	3.7	0.0	1.1
1	C	0.0	-0.2	0.1	0.0	6.0	0.0	11.6	0.0	3.3
1	B	-0.2	0.0	0.1	0.0	6.0	0.0	3.3	0.0	11.6
1	A	0.2	0.0	0.0	0.0	2.5	0.0	1.1	0.0	3.7

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1	Wind Right1	Wind Left2	Wind Right2	Wind Press	Wind Suct	Wind Long1	Wind Long2
						Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
5	A	0.5	0.1	2.5	3.8	-3.4	-2.2	-2.1	-0.8	-2.0	2.2	-3.8	-2.4
5	B	1.2	0.3	6.0	9.0	-8.4	-5.1	-6.0	-2.8	-4.3	4.7	-8.0	-4.5
5	C	1.2	0.3	6.0	9.0	-8.4	-5.1	-6.0	-2.8	-4.3	4.7	-4.5	-8.0
5	D	0.5	0.1	2.5	3.8	-2.2	-3.4	-0.8	-2.1	-2.0	2.2	-2.4	-3.8

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	Seis Long Horz	-MIN_SNOW-		E2UNB_SL_L-		E2UNB_SL_R-	
					Horz	Vert	Horz	Vert	Horz	Vert
5	A	0.0	0.2	0.0	0.0	2.5	0.0	3.7	0.0	1.1
5	B	0.0	-0.2	0.1	0.0	6.0	0.0	11.6	0.0	3.3
5	C	-0.2	0.0	0.1	0.0	6.0	0.0	3.3	0.0	11.6
5	D	0.2	0.0	0.0	0.0	2.5	0.0	1.1	0.0	3.7

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

Frm Line	Col Line	Column_Reactions(k)				Hmin H	V Vmin	Bolt(in) QTY DIA	Base_Plate(in)			Grout (in)	
		Load Id	Hmax H	Vmax	Load Id				Width	Length	Thick		
1	D	4	1.3	-2.0	5	-1.2	-2.0	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	4.4	4	1.3	-2.0						
1	C	6	2.8	-4.3	5	-2.6	-4.1	4	0.750	6.000	8.000	0.375	0.0
		7	0.0	13.1	6	2.8	-4.3						
1	B	8	2.8	-4.3	9	-2.6	-4.1	4	0.750	6.000	8.000	0.375	0.0
		10	0.0	13.1	8	2.8	-4.3						
1	A	11	1.3	-2.0	9	-1.2	-2.0	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	4.4	11	1.3	-2.0						
5	A	4	1.3	-2.0	5	-1.2	-2.0	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	4.4	4	1.3	-2.0						
5	B	6	2.8	-4.3	5	-2.6	-4.1	4	0.750	6.000	8.000	0.375	0.0
		12	0.0	13.1	6	2.8	-4.3						
5	C	8	2.8	-4.3	9	-2.6	-4.1	4	0.750	6.000	8.000	0.375	0.0
		13	0.0	13.1	8	2.8	-4.3						
5	D	11	1.3	-2.0	9	-1.2	-2.0	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	4.4	11	1.3	-2.0						

DATE	CHK.	ENG.
04/29/21	MEZ	RTS
07/07/21	AA	CAF
11/17/23	AA	CAF
12/06/23	PKD	PKD

ISSUE	APPROVAL	PERMIT	REVISED PERMIT	ERECTION

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CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N. T. S.
SHEET NUMBER:	5 OF 13
JOB NUMBER:	93548R1
SHEET TITLE:	ANCHOR BOLT REACTIONS

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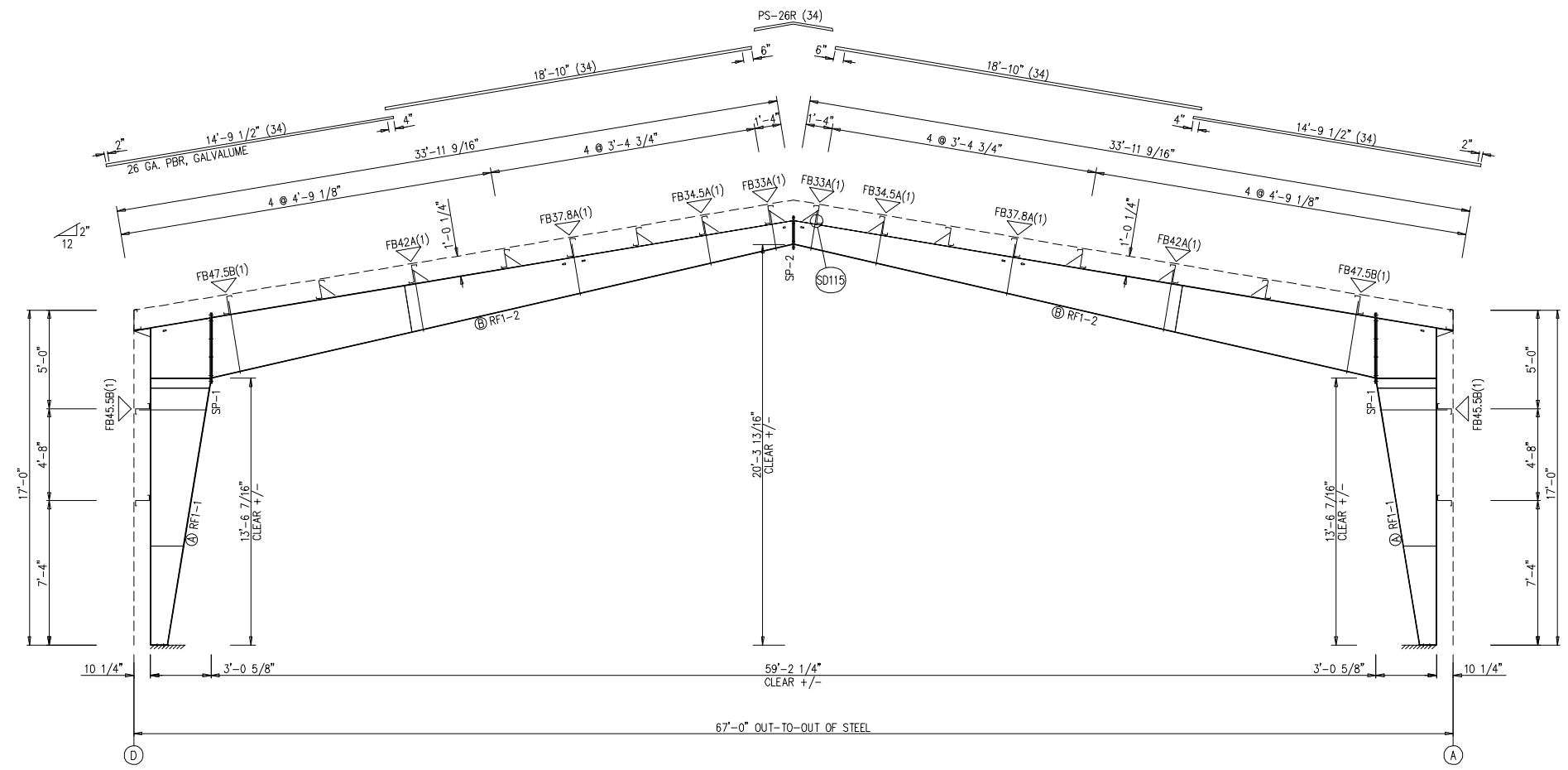
SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	4	A325	3/4"	2 1/4"
SP-2	4	4	0	A325	5/8"	1 3/4"

ALTERNATE MEMBER		
Frame Line	OID	Mark
4	A	RF1-3
4	B	RF1-4

FLANGE BRACES: FBxx (1 or 2)
 xx=length(in)
 (1) One Side; (2) Two Sides
 B - 2X2X1/8
 A - 2X2X1/4

Mark	Web Depth		Web Plate		Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
	Start/End	Thick	Length	Length		
RF1-1	10.0/19.8	0.135	5'-0"		6 x 1/4" x 16'-0 11/16"	6 x 3/8" x 13'-5 3/16"
	19.8/35.5	0.164	8'-0 1/8"		6 x 1/4" x 3'-11 1/8"	
	35.5/36.0	0.250	3'-6 9/16"			
RF1-2	36.0/28.4	0.164	10'-4 5/4"		6 x 1/4" x 29'-10 11/16"	6 x 3/8" x 10'-9"
	28.4/14.0	0.135	20'-0"			6 x 1/4" x 19'-6 1/16"

ISSUE	DATE	DWN.	CHK.	ENG.	APPROVAL	MEZ	CAF	RTS	REVISED PERMIT	AA	CAF	RTS	ERECTION	PKD	PKD	RTS	
																	APPROVAL
APPROVAL	04/29/21																
PERMIT	07/07/21																
REVISED PERMIT	11/17/23																
ERECTION	12/06/23																



RIGID FRAME ELEVATION: FRAME LINES 2 3 4



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CUSTOMER EMAIL:	
SCALE:	N. T. S.
SHEET NUMBER:	6 OF 13
JOB NUMBER:	93548R1
SHEET TITLE:	RIGID FRAME ELEVATION

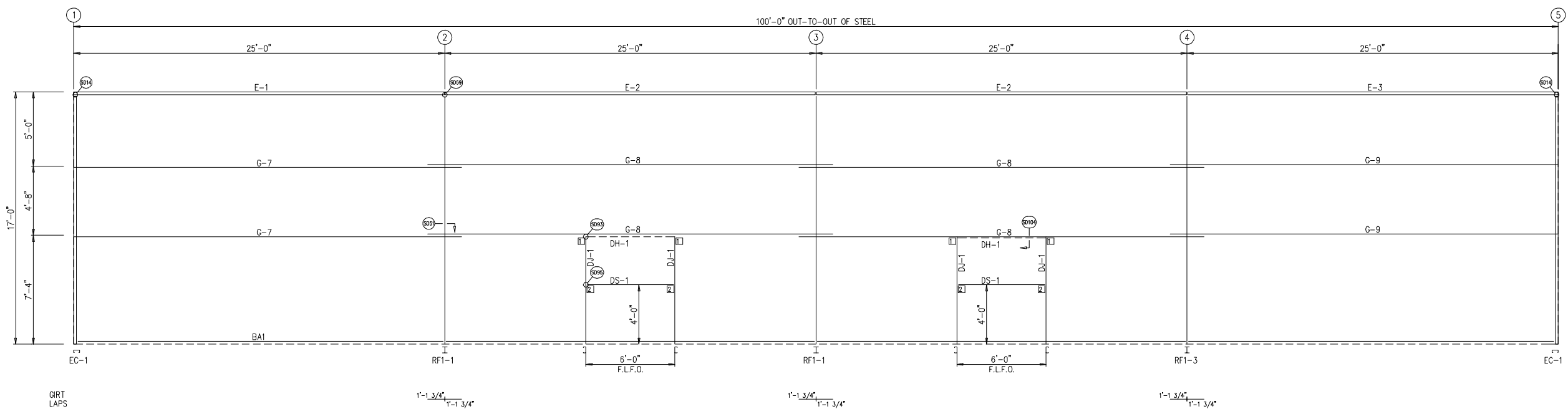
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TRIM TABLE FRAME LINE A				
ID	QUAN	PART	LENGTH	DETAIL
1	10	FL-60	10'-2"	TD74
2	2	FL-10	17'-0"	TD40
3	9	FL-214	11'-4"	TD17
4	4	FL-48	3'-0"	TD51
5	2	FL-52	6'-4"	TD52
6	2	FL-50	6'-4"	TD52

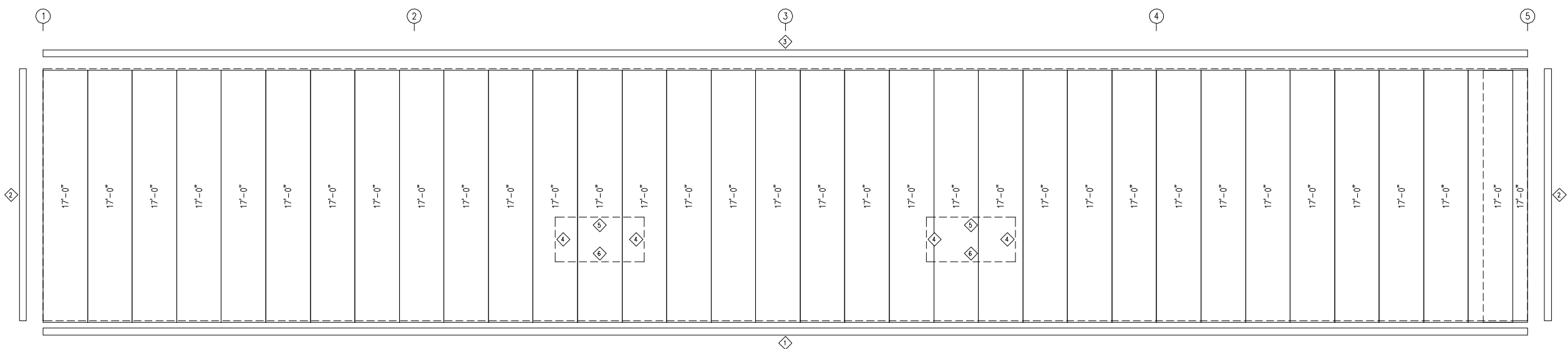
MEMBER TABLE FRAME LINE A				
QUAN	MARK	PART	LENGTH	
2	DH-1	CH-2	6'-0"	
4	DJ-1	10x25C16	7'-0"	
2	DS-1	10x25C16	5'-11 1/2"	
1	E-1	L12E16-2	24'-11 1/2"	
2	E-2	L12E16-2	24'-11 1/2"	
1	E-3	L12E16-2	24'-11 1/2"	
2	G-7	10X25Z16	26'-1 1/2"	
4	G-8	10X25Z16	27'-3 1/2"	
2	G-9	10X25Z16	26'-1 1/2"	

CONNECTION PLATES FRAME LINE A			
ID	QUAN	MARK	
1	4	CL-103	
2	4	CL-100	

ENG.	CHK.	RTS	DATE	ISSUE
			04/29/21	APPROVAL
			07/07/21	PERMIT
			11/17/23	REVISED PERMIT
			12/06/23	ERECTOR



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



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SCALE:	N.T.S.
SHEET NUMBER:	7 OF 13
JOB NUMBER:	93548R1
SHEET TITLE:	SIDEWALL FRAMING & SHEETING

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TRIM TABLE FRAME LINE 1				
ID	QUAN	PART	LENGTH	DETAIL
1	7	FL-60	10'-2"	TD74
2	6	FL-15	11'-10"	TD36
3	2	FL-601C	7 13/16"	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'-2"	TD51
8	1	FL-52	4'-4"	TD52

BOLT TABLE FRAME LINE 1				
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"

MEMBER TABLE FRAME LINE 1			
QUAN	MARK	PART	LENGTH
2	EC-1	8X35C14	15'-4 7/8"
2	EC-2	W8X10	19'-1 5/8"
2	ER-1	W8X15	33'-11 5/16"
2	C-1	8X25Z12	21'-11 15/16"
2	C-2	8X25Z14	21'-11 15/16"
1	C-3	8X25Z16	11'-0 13/16"
1	C-4	8X35Z16	19'-3 13/16"
2	C-5	8X25Z16	19'-3 13/16"
1	C-6	8X25Z16	11'-0 13/16"

CONNECTION PLATES FRAME LINE 1		
ID	QUAN	MARK
1	4	CL-211
2	4	CL-100
3	2	CL-109C
4	4	CL-25
5	2	CL-200

FLANGE BRACE TABLE FRAME LINE 1		
ID	QUAN	MARK
1	4	FB29.8

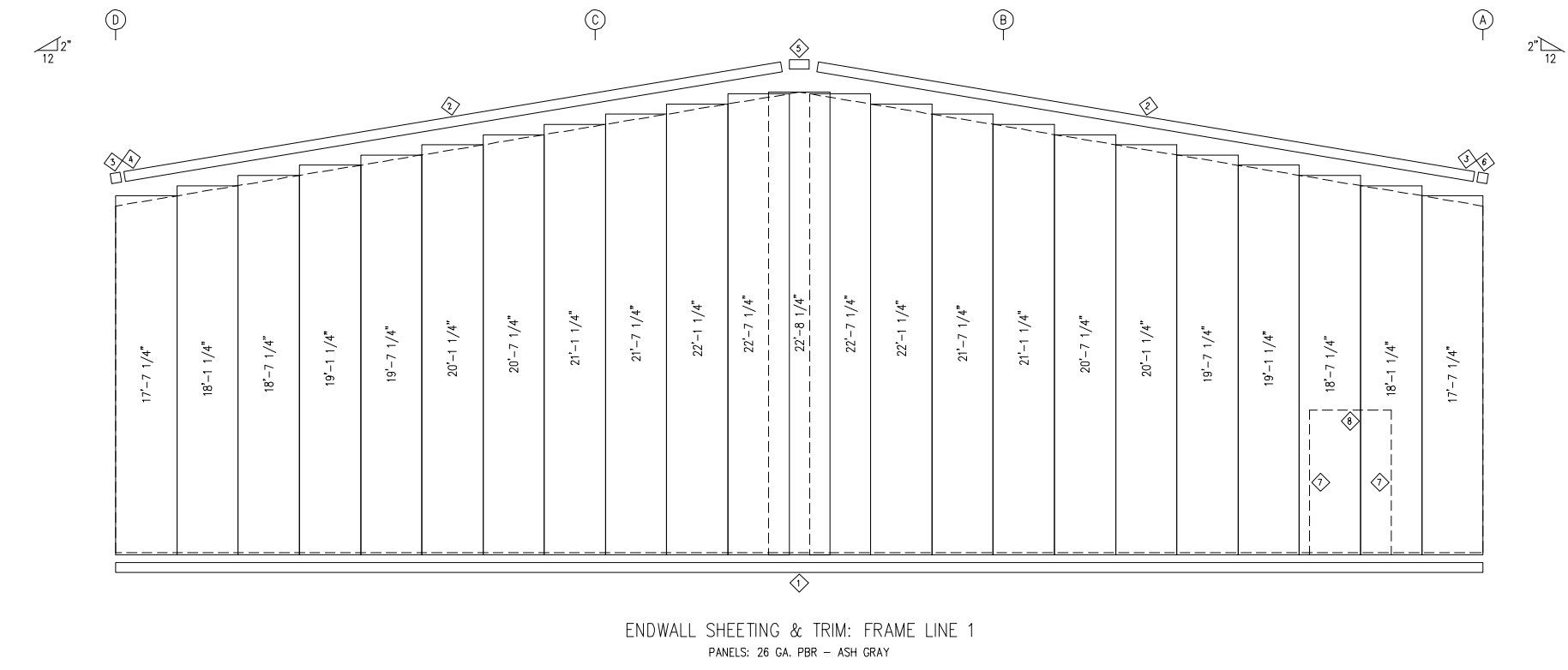
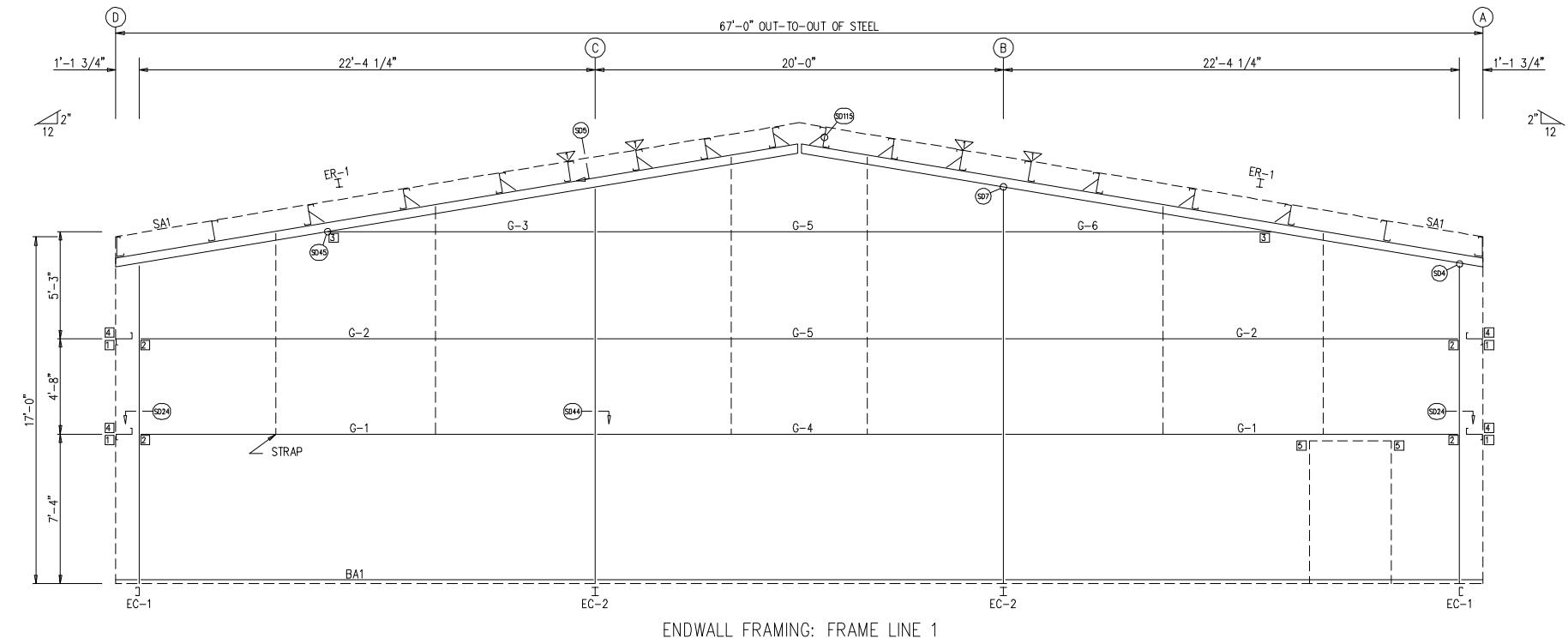
DATE	DWN.	CHK.	ENG.
04/29/21	MEZ	CAF	RTS
07/07/21	AA	CAF	RTS
11/17/23	AA	CAF	RTS
12/06/23	PKD	PKD	RTS



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SCALE:	N. T. S.
SHEET NUMBER:	9 OF 13
JOB NUMBER:	93548R1
SHEET TITLE:	ENDWALL FRAMING & SHEETING

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TRIM TABLE FRAME LINE 5				
ID	QUAN	PART	LENGTH	DETAIL
1	7	FL-60	10'-2"	TD74
2	6	FL-15	11'-10"	TD36
3	2	FL-601C	7 13/16"	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'-2"	TD51
8	1	FL-52	4'-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"

MEMBER TABLE FRAME LINE 5			
QUAN	MARK	PART	LENGTH
2	EC-1	8X35C14	15'-4 7/8"
2	EC-2	W8X10	19'-1 5/8"
2	ER-1	W8X15	33'-11 5/16"
2	C-1	8X25Z12	21'-11 15/16"
2	C-2	8X35Z14	21'-11 15/16"
1	C-3	8X25Z16	11'-0 13/16"
1	C-4	8X35Z16	19'-3 13/16"
2	C-5	8X25Z16	19'-3 13/16"
1	C-6	8X25Z16	11'-0 13/16"

CONNECTION PLATES FRAME LINE 5		
ID	QUAN	MARK
1	4	CL-211
2	4	CL-100
3	2	CL-109C
4	4	CL-25
5	2	CL-200

FLANGE BRACE TABLE FRAME LINE 5		
ID	QUAN	MARK
1	4	FB29.8

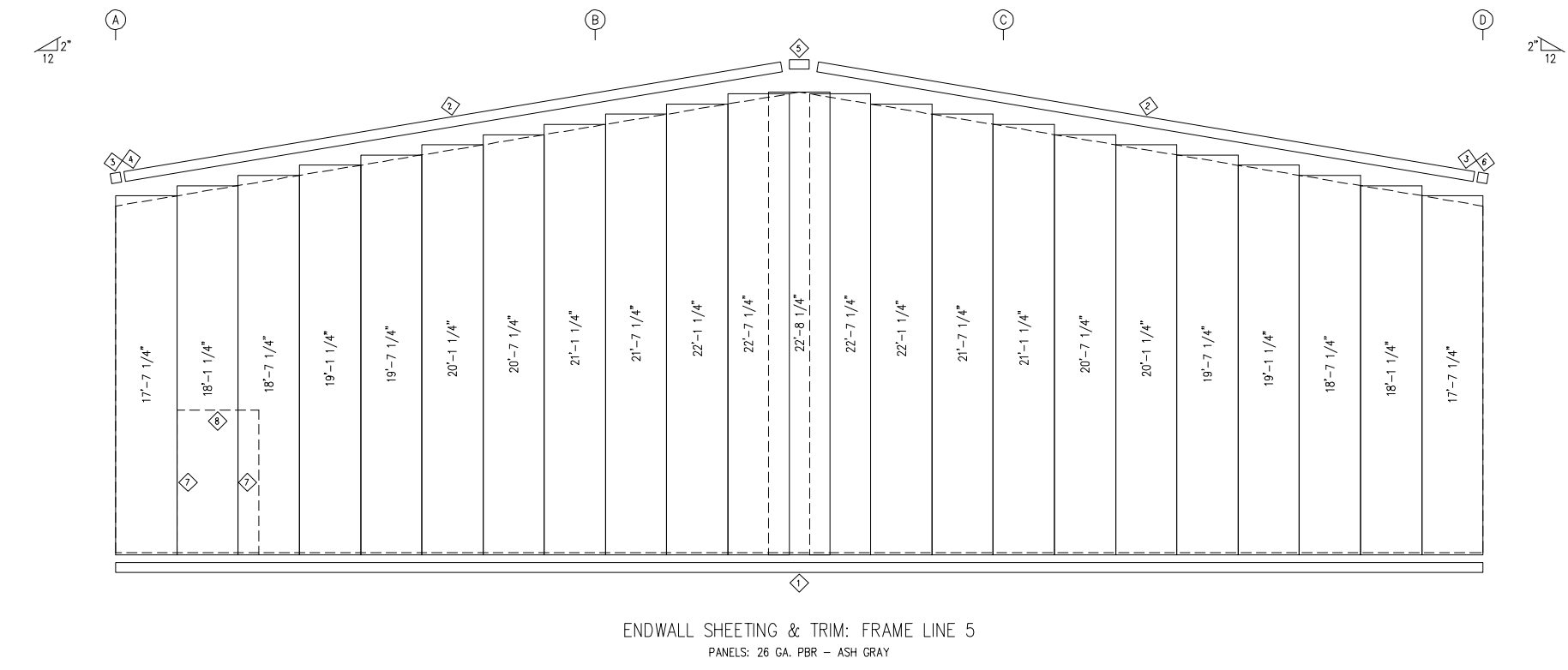
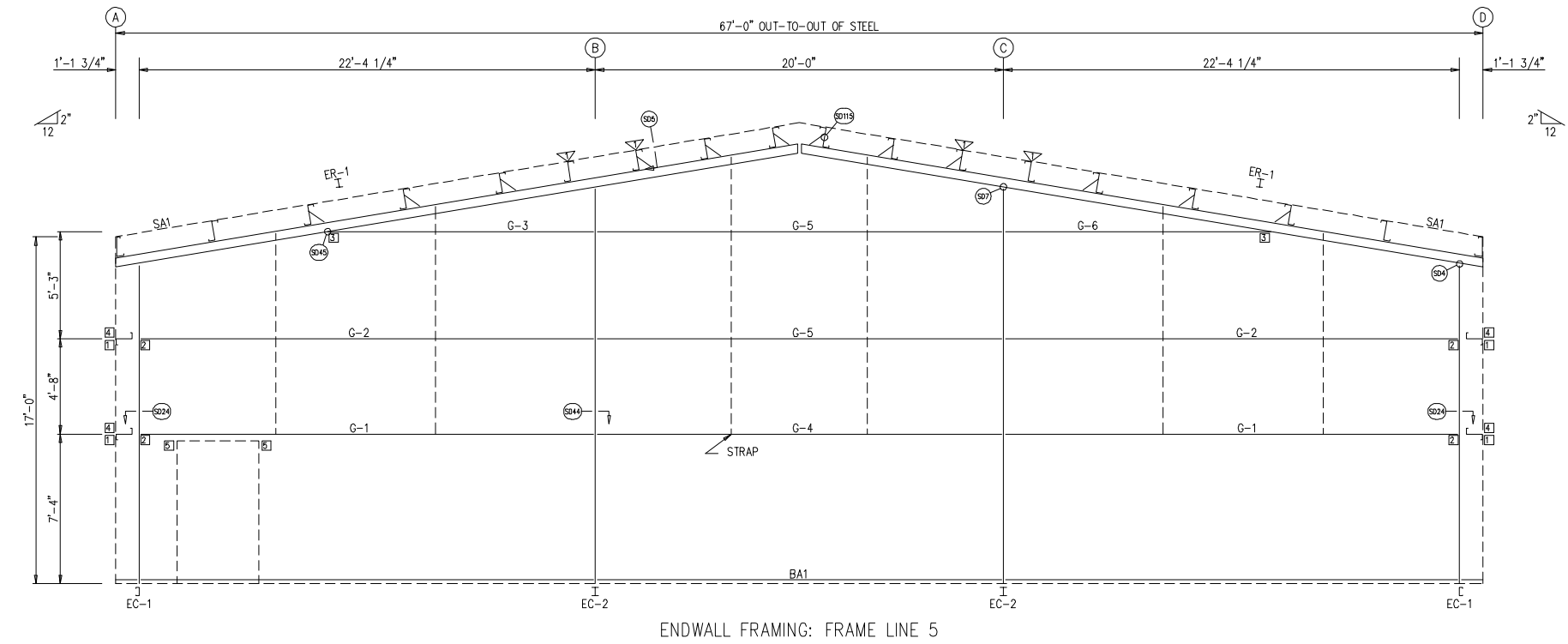
DATE	ISSUE	CHK.	ENG.
04/29/21	APPROVAL	MEZ	R TS
07/07/21	PERMIT	AA	CAF R TS
11/17/23	REVISED PERMIT	AA	CAF R TS
12/06/23	ERECTION	PKD	R TS

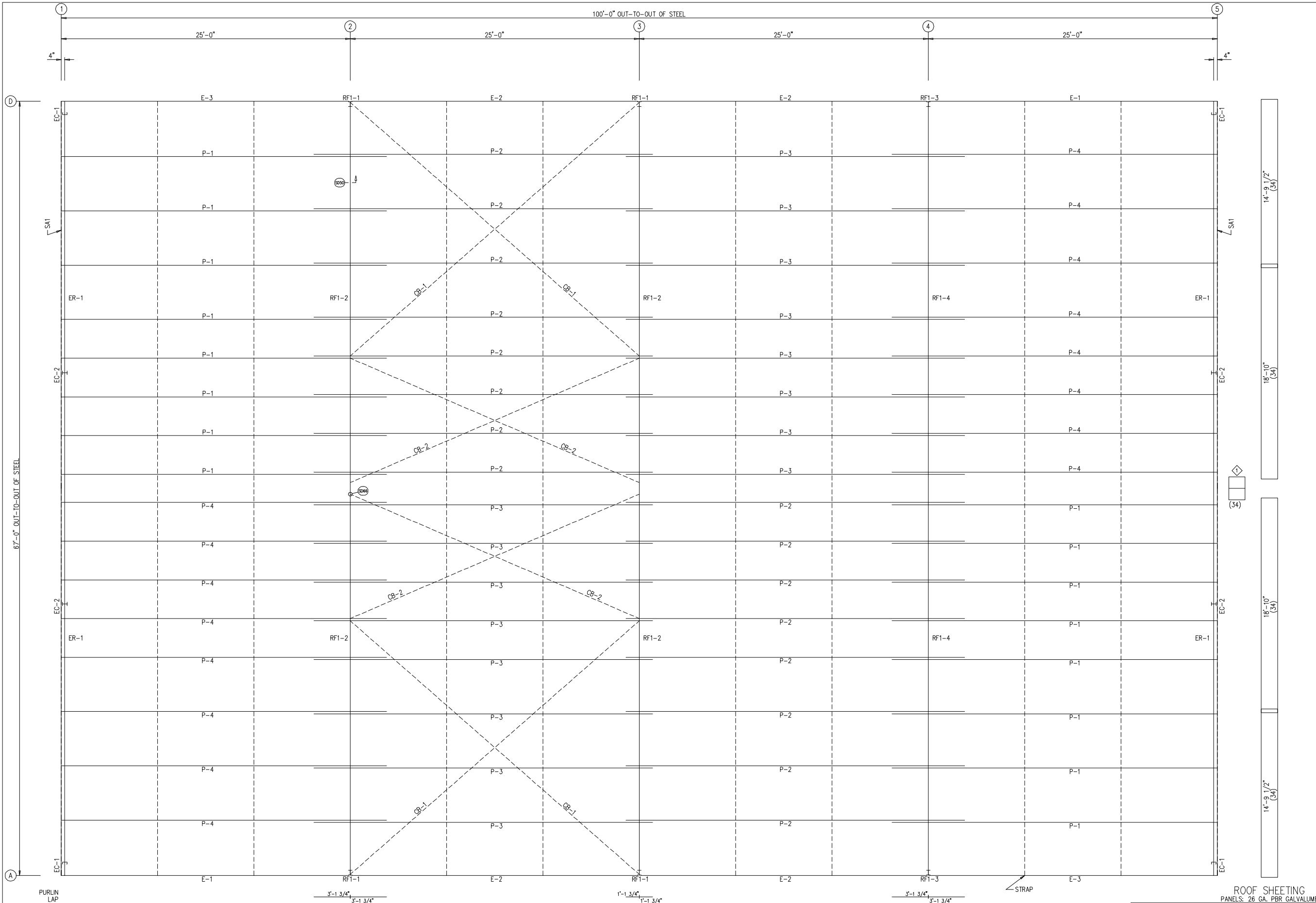


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SCALE:	N. T. S.
SHEET NUMBER:	10 OF 13
JOB NUMBER:	93548R1
SHEET TITLE:	ENDWALL FRAMING & SHEETING

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ROOF FRAMING PLAN

ROOF SHEETING
 PANELS: 26 GA. PBR GALVALUME

QUAN	MARK	PART	LENGTH
16	P-1	12X25Z14	28'-1 1/2"
16	P-2	12X25Z14	29'-3 1/2"
16	P-3	12X25Z14	29'-3 1/2"
16	P-4	12X25Z14	28'-1 1/2"
2	E-1	L12E16-2	24'-11 1/2"
4	E-2	L12E16-2	24'-11 1/2"
2	E-3	L12E16-2	24'-11 1/2"
4	CB-1	RD0500	32'-10 1/2"
4	CB-2	RD0500	27'-6 3/4"

QID	QUAN	PART	LENGTH	DETAIL
1	34	PS-26R	3'-0"	TD8

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	04/29/21	MEZ	CAF	RTS
PERMIT	07/07/21	AA	CAF	RTS
REVISED PERMIT	11/17/23	AA	CAF	RTS
ERECTION	12/06/23	PKD	PKD	RTS



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PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N. T. S.
SHEET NUMBER:	11 OF 13
JOB NUMBER:	93548R1
SHEET TITLE:	ROOF FRAMING & SHEETING PLAN

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67'-0" OUT-TO-OUT OF STEEL

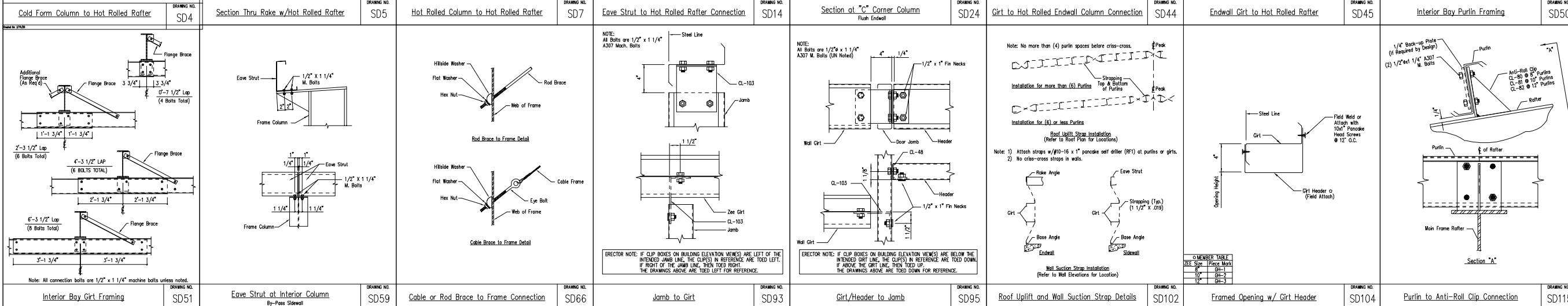
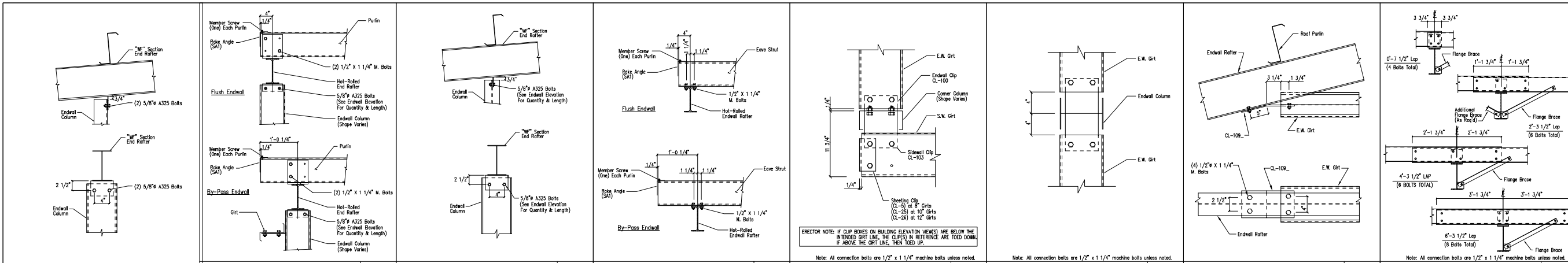
100'-0" OUT-TO-OUT OF STEEL

14'-9 1/2" (34)
 18'-10" (34)
 18'-10" (34)
 14'-9 1/2" (34)

(34)

STRAP

PURLIN LAP

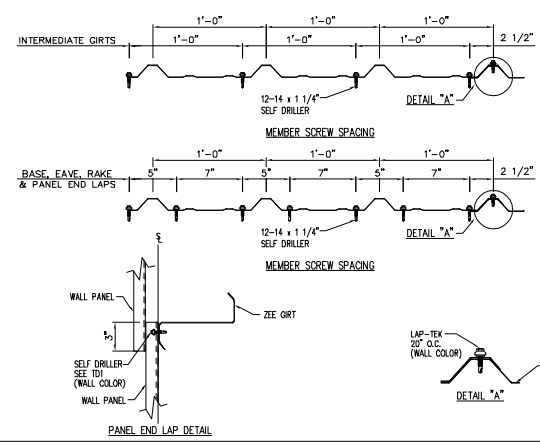


ISSUE	APPROVAL	DATE	DWN	CHK.	ENG.
PERMIT	MEZ	07/07/21	AA	CAF	RTS
REVISED PERMIT	AA	11/07/23	AA	CAF	RTS
ERECTION	PKD	12/06/23	PKD	PKD	RTS

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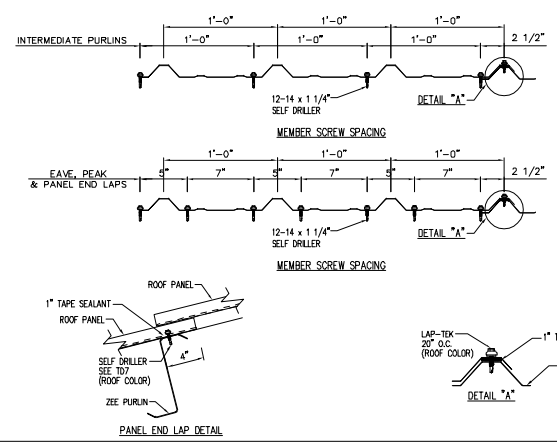
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PROJECT COUNTY:	
PROJECT END USE:	
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SCALE:	
SHEET NUMBER:	12 OF 13
JOB NUMBER:	93548R1
SHEET TITLE:	DETAIL DRAWINGS

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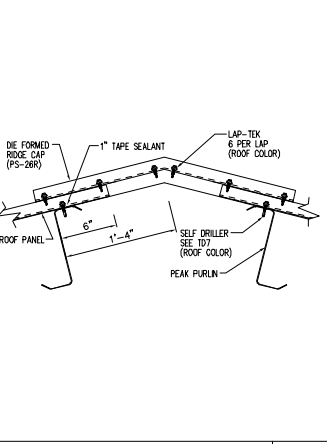
Fastener Location at Wall - PBR

DRAWING NO. TD1



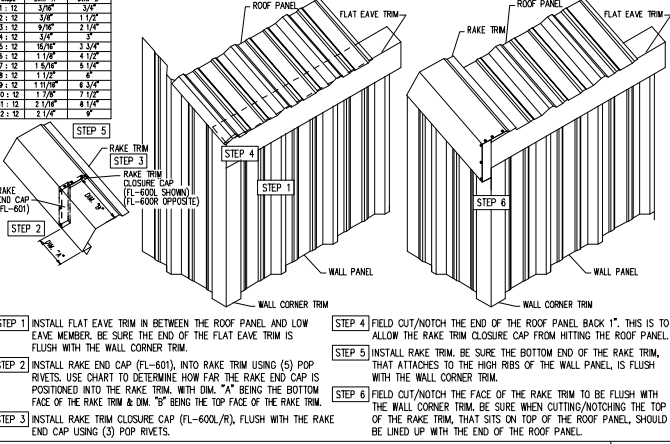
Fastener Location at Roof - PBR

DRAWING NO. TD7



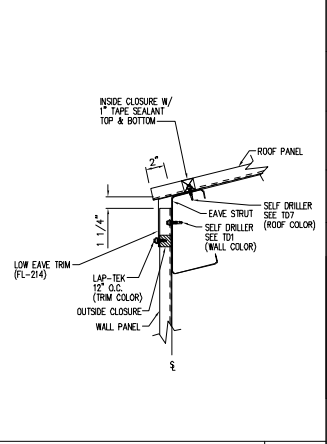
Die Formed Ridge Detail - PBR

DRAWING NO. TD8



Flat Eave Corner Trim Installation - PBR

DRAWING NO. TD12

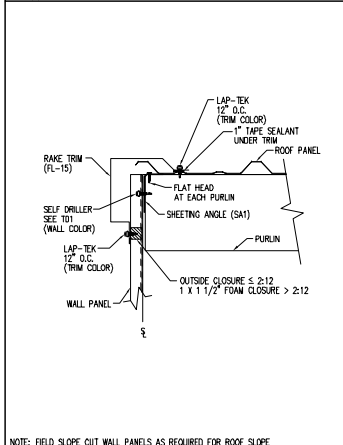


Low Eave Detail - PBR

DRAWING NO. TD17

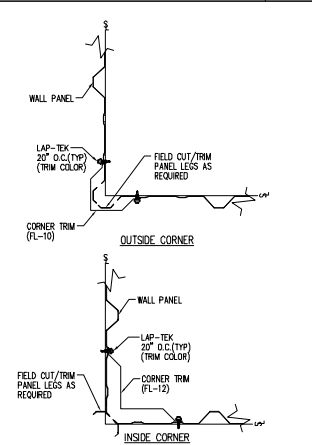
ISSUE	APPROVAL	PERMIT	REVISED PERMIT	ERECTION	DATE	DWN.	CHK.	ENG.
		MEZ	AA	CAF	04/29/21			RTS
		RTS	AA	CAF	07/07/21			RTS
		RTS	AA	CAF	11/07/23			RTS
		PKD	AA	CAF	12/06/23			RTS

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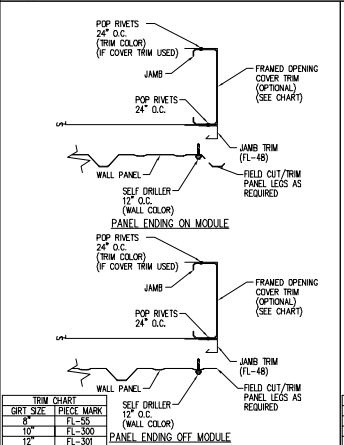
Rake Detail - PBR

DRAWING NO. TD36



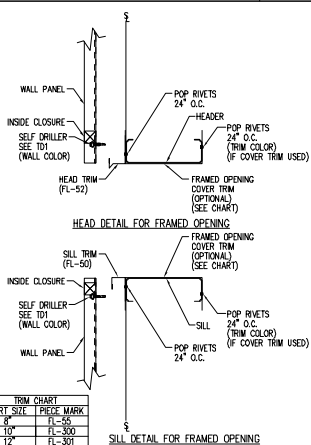
Section of Corner Detail - PBR

DRAWING NO. TD40



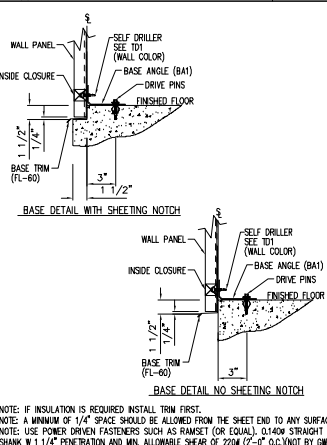
Framed Opening Jamb Detail - PBR

DRAWING NO. TD51



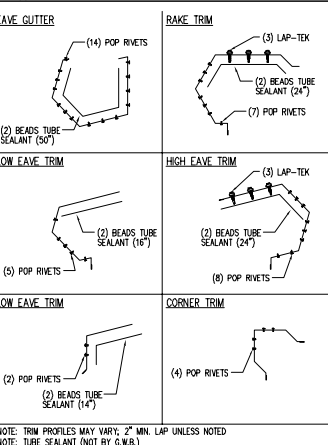
Framed Opening Head and Sill Details - PBR

DRAWING NO. TD52



Base Angle w/Trim Details

DRAWING NO. TD74



Trim Laps - PBR Sculptured

DRAWING NO. TD85

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

TRIM CHART	GRT. SIZE	PIECE MARK
24"	FL-25	FL-25
10"	FL-300	FL-300
12"	FL-301	FL-301

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

TRIM CHART	GRT. SIZE	PIECE MARK
24"	FL-25	FL-25
10"	FL-300	FL-300
12"	FL-301	FL-301

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), 0.140" STRAIGHT SHANK W/ 1 1/4" PENETRATION AND MIN. ALLOWABLE SHEAR OF 225# (2" O.C.) (NOT BY SMC)

TRIM CHART	GRT. SIZE	PIECE MARK
24"	FL-25	FL-25
10"	FL-300	FL-300
12"	FL-301	FL-301

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

TRIM CHART	GRT. SIZE	PIECE MARK
24"	FL-25	FL-25
10"	FL-300	FL-300
12"	FL-301	FL-301

CUSTOMER NAME:	N. T. S.
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	
SHEET NUMBER:	13 OF 13
JOB NUMBER:	93548R1
SHEET TITLE:	DETAIL DRAWINGS

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