

BUILDING SPECIFICATIONS

The manufacturer is not responsible for the concrete foundation design. The structure under this contract has been designed and detailed for the loads and conditions stipulated in the contract and shown on these drawings. Any alterations to the structural system or removal of any component parts, or the addition of other construction materials or loads **must be done under the advice and direction of a registered architect, civil or structural engineer.** The manufacturer will assume no responsibility for any loads not indicated.

This manufactured building is designed with the manufacturer's standard design practices which are based on pertinent procedures and recommendations of the following organizations and codes :

- CSSBI - Standard for SBS 30M-17
 - CSA S16-19, Limit States Design Of Steel Structures
 - CSA Standard S136-16, Cold Formed**
 - Metal Building Manufacturers Association "Specification for the design fabrication and erection of the structural system" most current edition.
- Material Specifications
- ASTM A572 Grade 55 for Structural Plates galvanized G40/Z120
- ASTM A853 Grade 55 for Cs and Zs Galvanized G40/Z120**
- ASTM A792 Grade 80 for roof and wall sheeting AZ 55/AZM 165 galvalume Steel Sheet

Erection: Building Erection shall be as per clause 29 of CSA S16-14. Erection of the building is not the responsibility of the building manufacturer.

CONTRACTOR RESPONSIBILITIES

The contractor must secure all required approvals and permits from the appropriate agency as required.

Approval of the manufacturer's drawings and calculations indicate that **the manufacturer has correctly interpreted and applied the requirements** of the contract drawings and specifications. (S16-19 (Appendix A)/CISC code of Standard Practice.)

Where discrepancies exist between the manufacturer's structural steel plans and the plans for other trades, the structural steel plans shall govern. (S16-19 (Appendix A)/CISC code of Standard Practice.)

Design considerations of any materials in the structure which are not **furnished by the manufacturer, are the responsibility of the contractor and** engineers other than the manufacturer's engineering, unless specifically indicated. The contractor is responsible for all erection of steel and associated work in compliance with the manufacturer's "For Construction" drawings.

Temporary supports, such as guys, braces, flashwork or other elements required for the erection will be determined and furnished and installed by the erector. (S16-19 (Appendix A)/CISC code of Standard Practice.)

It is the contractors responsibility to apply or observe all pertinent safety rules and regulations, as per OSHA standards as applicable.

The Contractor is responsible for the verification of all shipments received. Any "external" damage or shortages must be noted on all copies of the bill of lading and one copy is to be retained for your records. Failure to do so will make it impossible for the factory to honor any claim. NO EXCEPTIONS!!!

DEALER

DESIGN LOADING

This structure is designed utilizing the loads indicated and applied by the :

ONBC 24

It is the contractor's responsibility to confirm that these loads comply with the requirements of the local building department.

Specific loads : (See structural calculations and foundation reactions.)

21.00	PSF Live Load		
58.10	PSF Ground Snow Load, Rain Load (Sr)	PSF	6.2700
7.32	PSF Wind Load 1/50		
2.25	PSF Dead Load (Metal Bldg. Weight - Purlins, Panels, Etc.)		
3.00	PSF Collateral Load		
II - Normal	Use Category (I = I)		1.00

DRAWING INDEX

CS-1	Drawings Cover Sheet
CS-2	Fastener Schedule
E1	Anchor Bolt Plan
E2	Anchor Bolt Details & Notes
E3	Rigid Frame Elevation
E4	Sidewall Framing
E5	Sidewall Framing
E6	Endwall Framing
E7	Roof Framing
E8	Sidewall Sheeting
E9	Endwall Sheeting
E10	Detail Drawings
E11	Detail Drawings

SEISMIC DATA

- 1) Sa(0.2) = 0
- 2) Sa(0.5) = 0.000
- 3) Sa(1.0) = 0.00
- 4) Sa(2.0) = 1
- 5) PGA = 0.1520
- 6) Seismic Importance Factor: I= 1.00

These Drawings are for :

- ☐ Construction
- ☐ Approval *
- ☒ Permit
- ☐ Anchor Bolts & Reactions
- ☐ Other :

* Approval orders must be released for fabrication within thirty (30) calendar days after the submittal drawings are issued or they will be subject to any current price increases. Special attention should be given in approving dimensions and/or details. Please verify requested dimensions by indicating 'OK'.

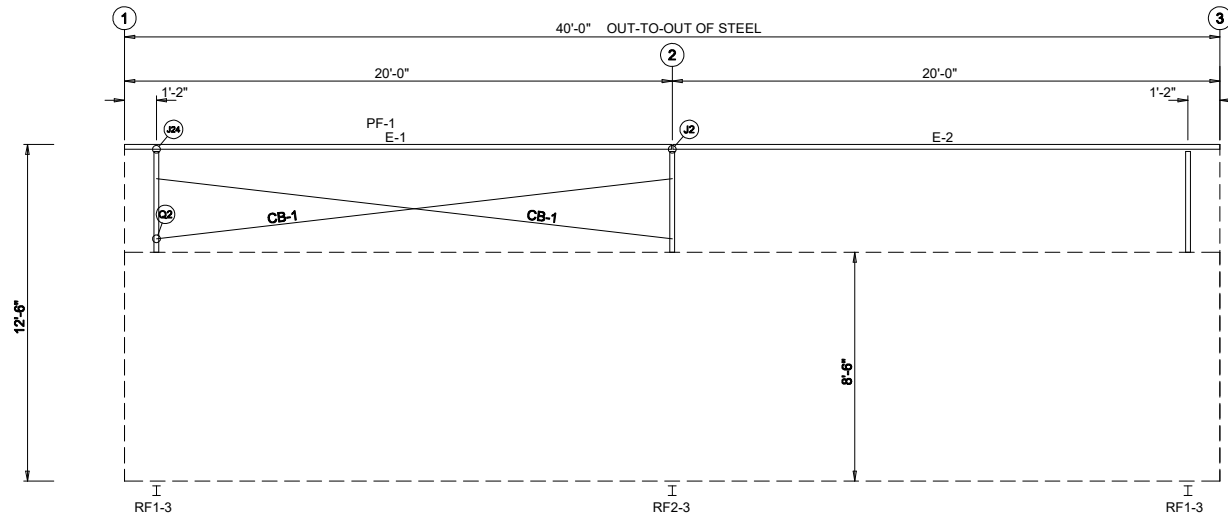
CAN/CSA A660 Certificate # RNMAN0

DRAWINGS COVER SHEET

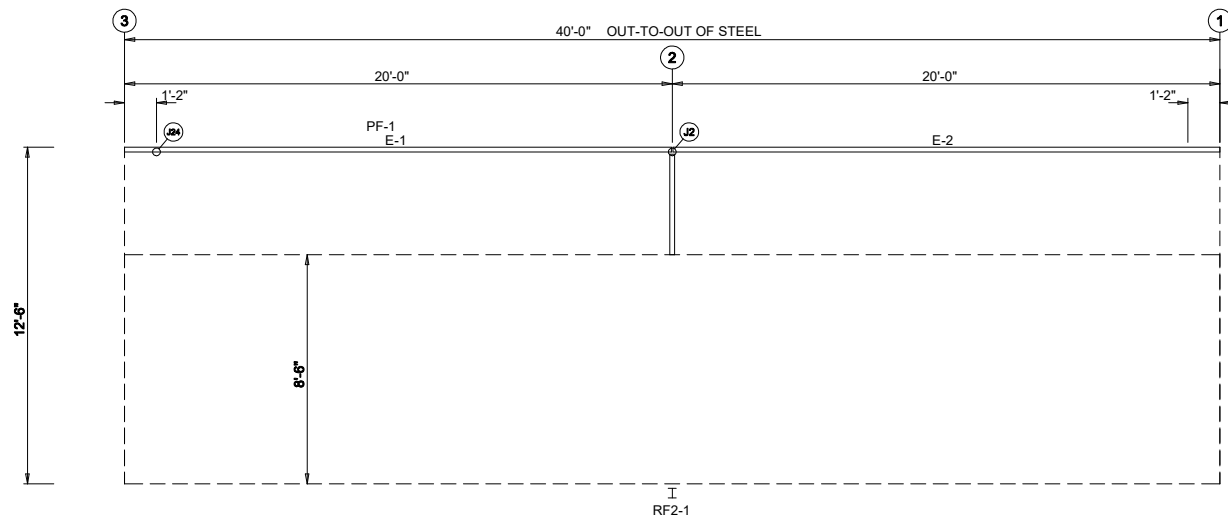
CUSTOMER :
CUSTOMER INFO
CUSTOMER ADDRESS 1

DEALER
DLR ADDRESS 1
DLR ADDRESS 2

DSN: RA	DWN:	REV:	DRAWINGS COVER SHEET			
DET:	CHK:	REVISIONS				
Engineering Seal This certification covers parts manufactured and delivered by the manufacturer only, and excludes parts such as doors, windows, foundation design and erection of the building. The buyer is responsible for ensuring all specified loads are in compliance with regulatory authorities.		NO.	DATE	CUSTOMER INFO CUSTOMER ADDRESS 1 DEALER DLR ADDRESS 1 DLR ADDRESS 2		
PROFESSIONAL ENGINEER		SCALE:	DATE:	JOB NO:	SHT. NO:	
		NOT TO SCALE	6/19/26		CS-1	



SIDEWALL FRAMING: FRAME LINE A



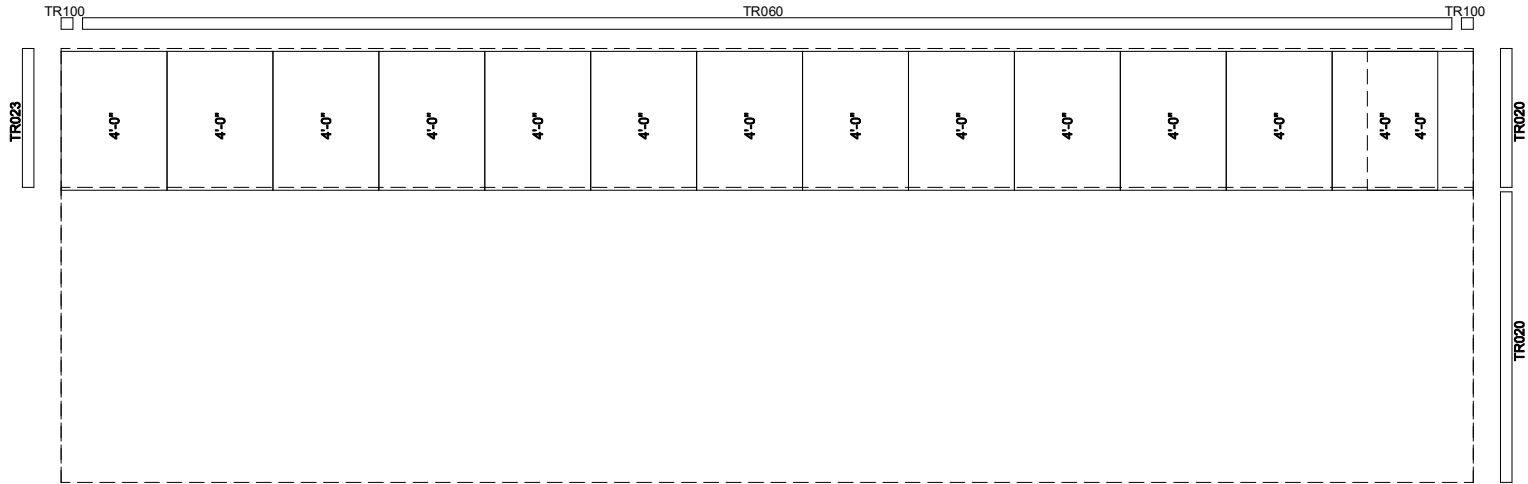
SIDEWALL FRAMING: FRAME LINE B

GENERAL NOTES:

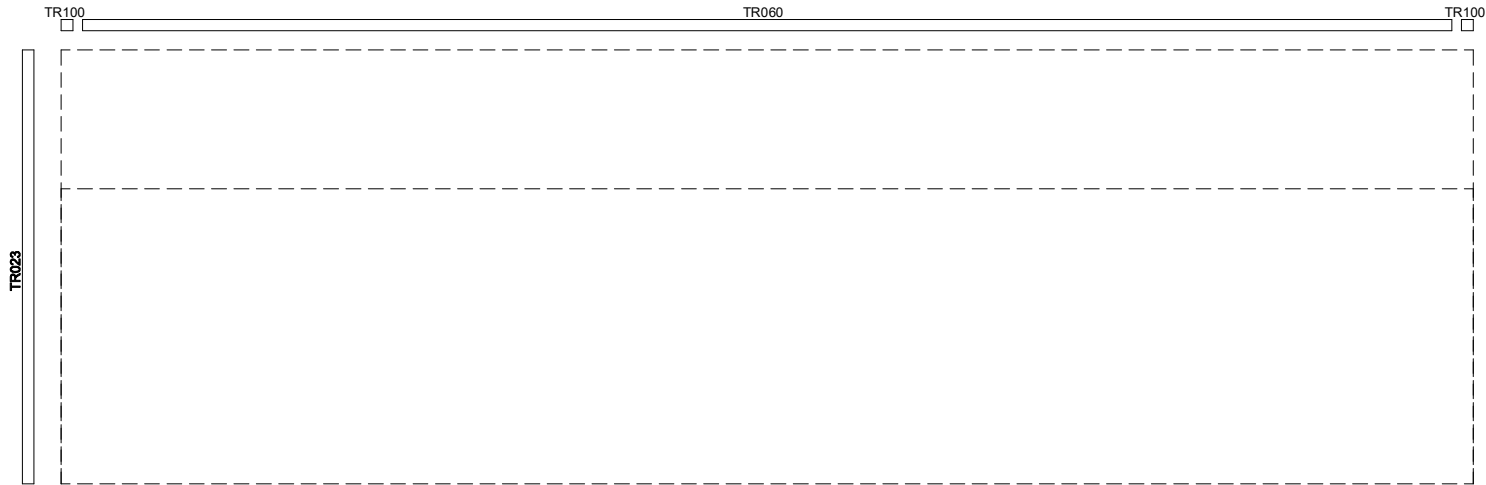
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

DEALER		Customer:	
DLR ADDRESS 2			
Drafter: XX	Date: 6/19/26	Designer: RA	Date: 6/19/26
Detailer: XX	Date: 6/19/26	Sales ID:	Factory ID:
Checker: XX	Date: 6/19/26		
SIDEWALL FRAMING			Sht E of

TRIM TABLE	
TYPE	COLOR
Base	NEED COLOR
Corner	NEED COLOR
Eave	NEED COLOR
Opening	NEED COLOR
Gutter	NEED COLOR
Downspout	



SIDEWALL SHEETING & TRIM: FRAME LINE A
PANELS: 26 Ga. PBR - NEED COLOR

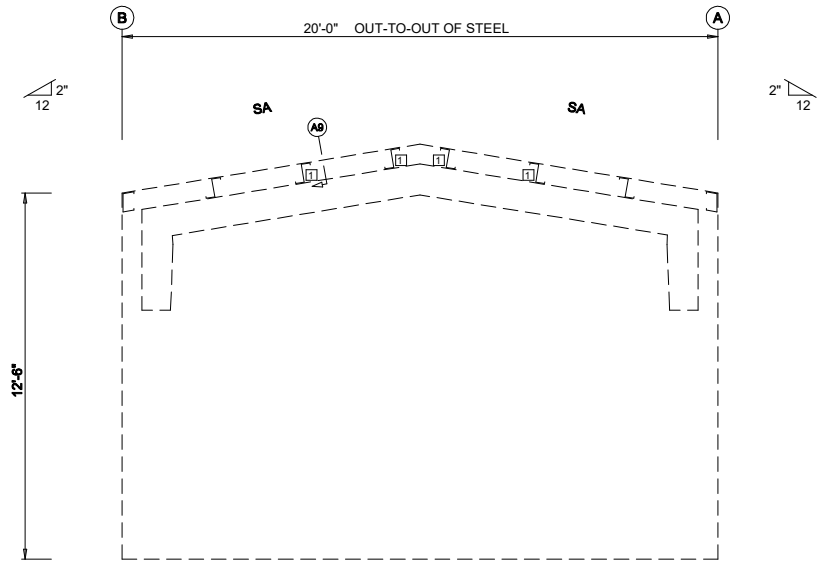


SIDEWALL SHEETING & TRIM: FRAME LINE B

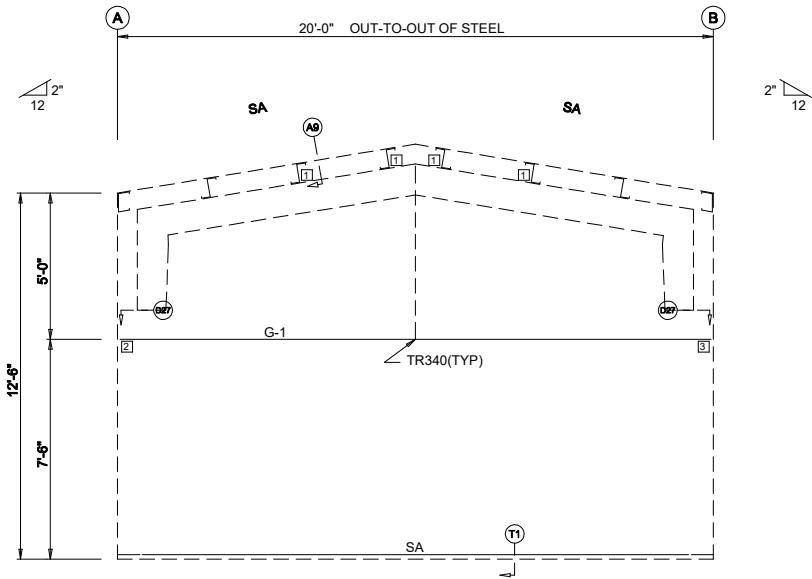
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DLR ADDRESS 2			
Drafter: XX	Date: 6/19/26	Designer: RA	Date: 6/19/26
Detailer: XX	Date: 6/19/26	Sales ID:	Factory ID:
Checker: XX	Date: 6/19/26		
SIDEWALL FRAMING			Sht E of

CONNECTION PLATES	
FRAME LINE 1 & 3	
ID	MARK/PART
1	CL156
2	d1
3	d2



ENDWALL FRAMING: FRAME LINE 1



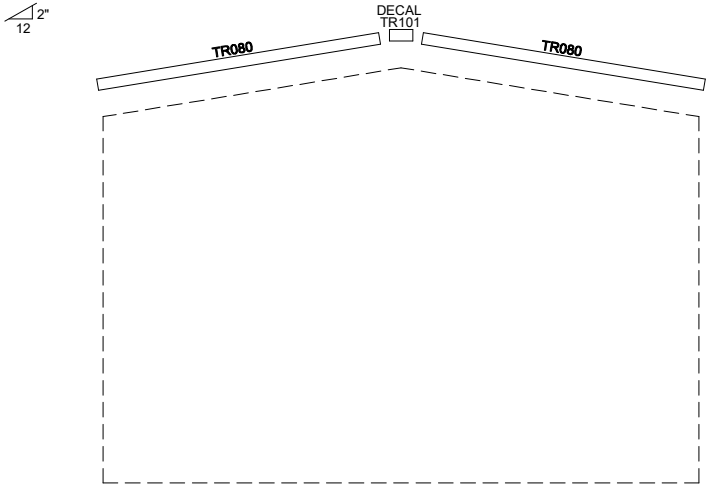
ENDWALL FRAMING: FRAME LINE 3

CABLE NOTES:
FIELD SLOT GIRTS FOR
CABLE TO PASS-THRU.

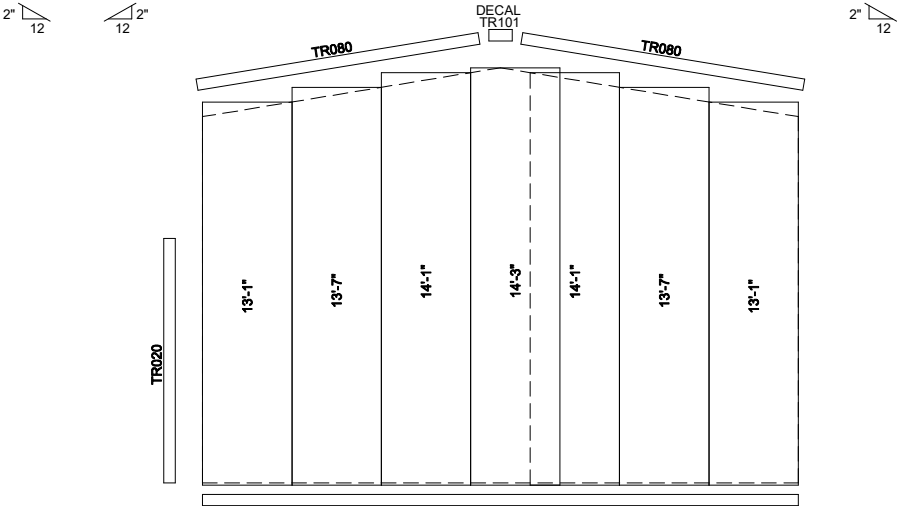
GENERAL NOTES:
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ENSURE PROPER FIT. SUCH WORK IS CONSIDERED
A NORMAL PART OF METAL BUILDING ERECTION.
WE WILL NOT HONOR BACKCHARGES FOR MINOR
FIELD WORK.

DEALER		Customer:	
DLR ADDRESS 2			
Drafter: XX	Date: 6/19/26	Designer: RA	Date: 6/19/26
Detailer: XX	Date: 6/19/26	Sales ID:	Factory ID:
Checker: XX	Date: 6/19/26		
ENDWALL FRAMING			Sht E of

TRIM TABLE	
TYPE	COLOR
Base	NEED COLOR
Gable	NEED COLOR
Opening	NEED COLOR



ENDWALL SHEETING & TRIM: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 3

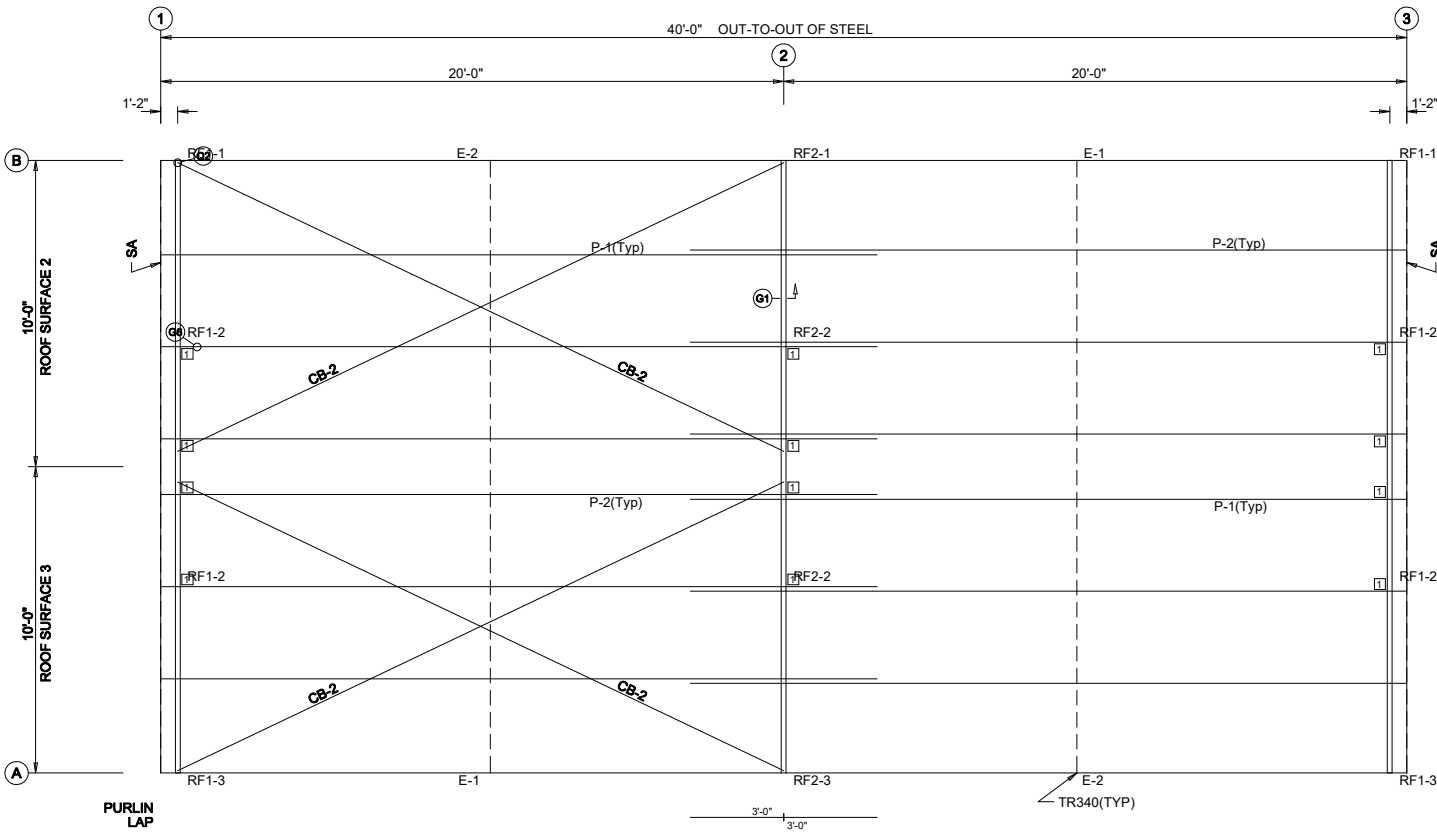
PANELS: 26 Ga. PBR - NEED COLOR

GENERAL NOTES:

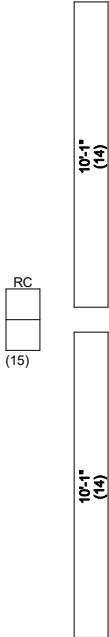
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DEALER		Customer:	
DLR ADDRESS 2			
Drafter: XX	Date: 6/19/26	Designer: RA	Date: 6/19/26
Detailer: XX	Date: 6/19/26	Sales ID:	Factory ID:
Checker: XX	Date: 6/19/26		
ENDWALL FRAMING			Sht E of

CONNECTION PLATES	
ROOF PLAN	
ID	MARK/PART
1	CL156



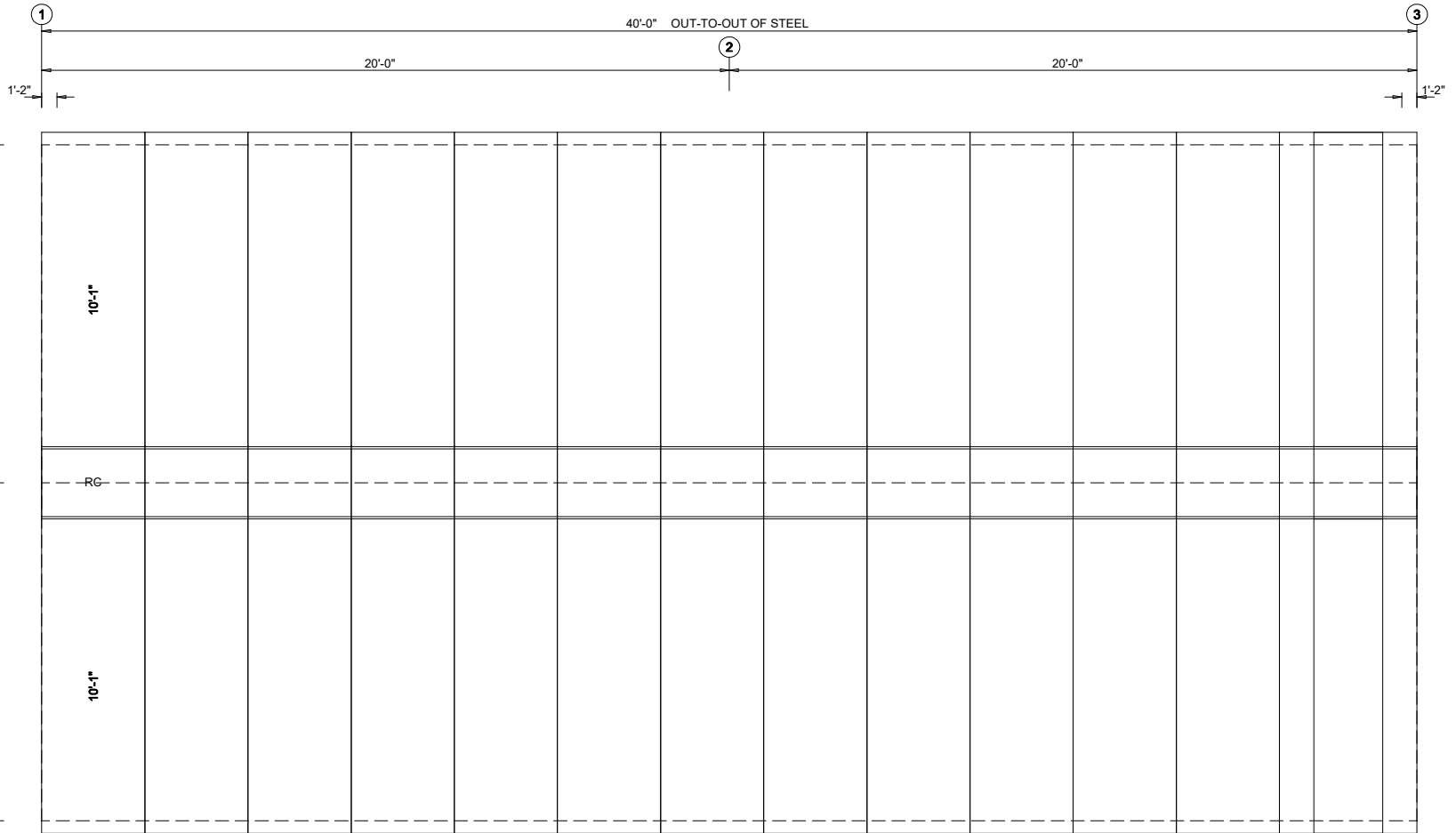
ROOF FRAMING PLAN



ROOF SHEETING
PANELS: 26 Ga. PBR
NEED COLOR

GENERAL NOTES:
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DEALER		Customer:	
DLR ADDRESS 2			
Drafter: XX	Date: 6/19/26	Designer: RA	Date: 6/19/26
Detailer: XX	Date: 6/19/26	Sales ID:	Factory ID:
Checker: XX	Date: 6/19/26		
ROOF FRAMING			Sht E of



ROOF SHEETING PLAN
PANELS: 26 Ga. PBR - NEED COLOR

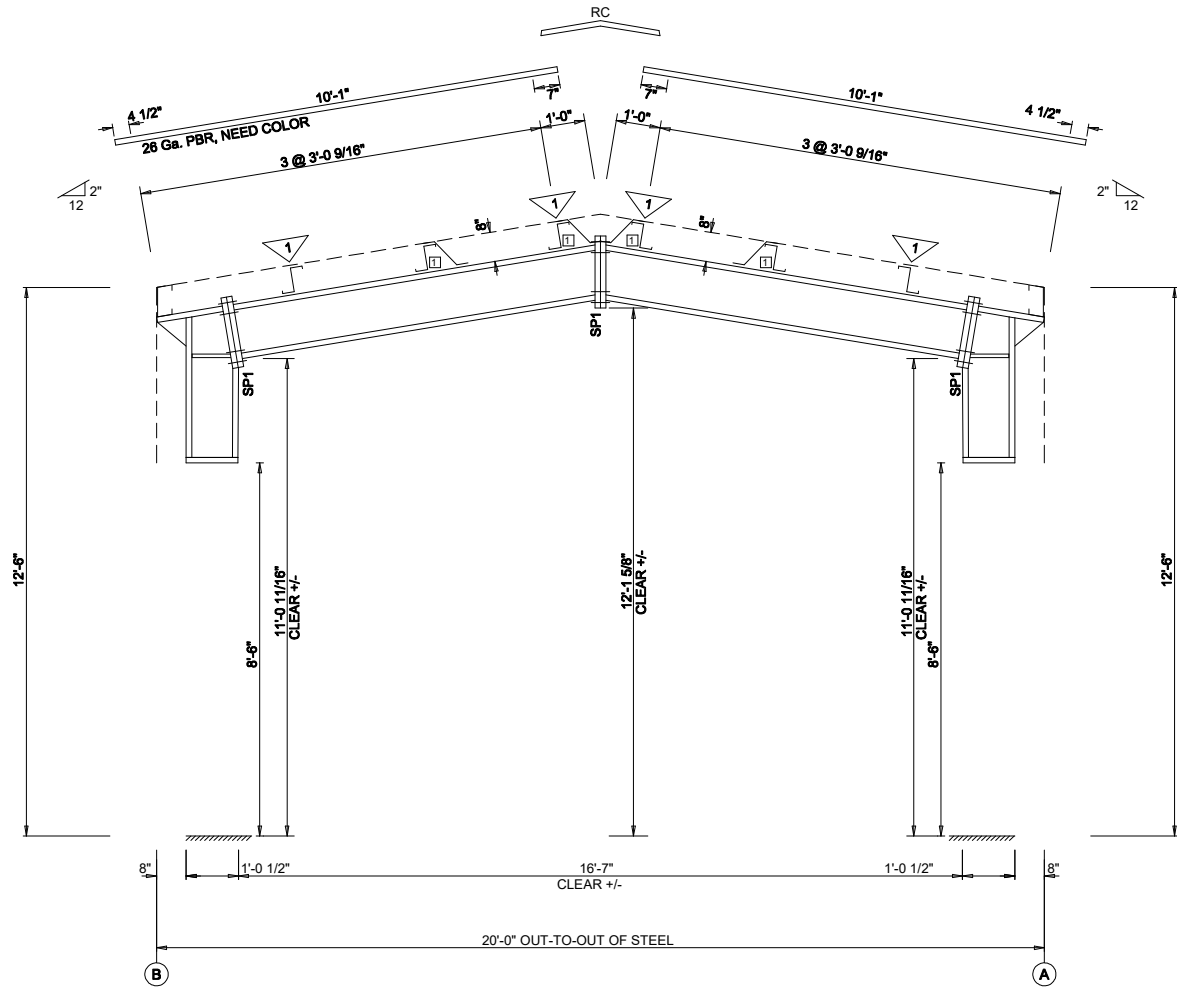
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DLR ADDRESS 2			
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Detailer: XX	Date: 6/19/26	Sales ID:	Factory ID:
Checker: XX	Date: 6/19/26		
ROOF SHEETING			Sht E of

SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP1	4	4	0	A325	0.625	2.25

FLANGE BRACE TABLE			
FRAME LINE 1 3			
▽ ID	#	MARK	LENGTH
1	1	FB31	2'-7"

CONNECTION PLATES	
□ ID	Mark/Part
1	CL156



GENERAL NOTES:

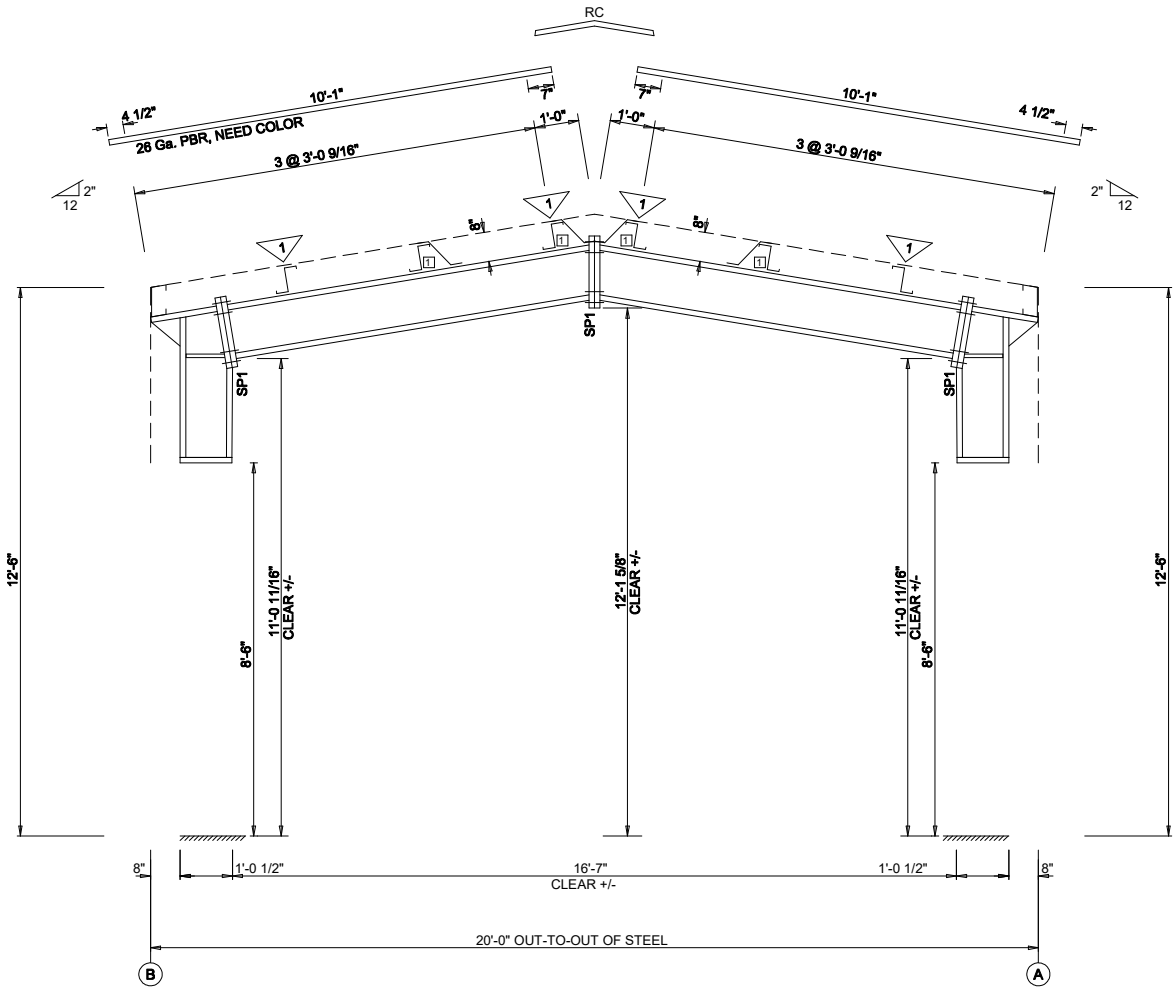
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DEALER		Customer:	
DLR ADDRESS 2			
Drafter: XX	Date: 6/19/26	Designer: RA	Date: 6/19/26
Detailer: XX	Date: 6/19/26	Sales ID:	Factory ID:
Checker: XX	Date: 6/19/26		
RIGID FRAME ELEVATION			Sht E of

SPLICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Dia Length
SP1	4	4	0	A325	0.625	2.25

FLANGE BRACE TABLE			
FRAME LINE		2	
▽ ID	#	MARK	LENGTH
1	1	FB31	2'-7"

CONNECTION PLATES	
ID	Mark/Part
1	CL156

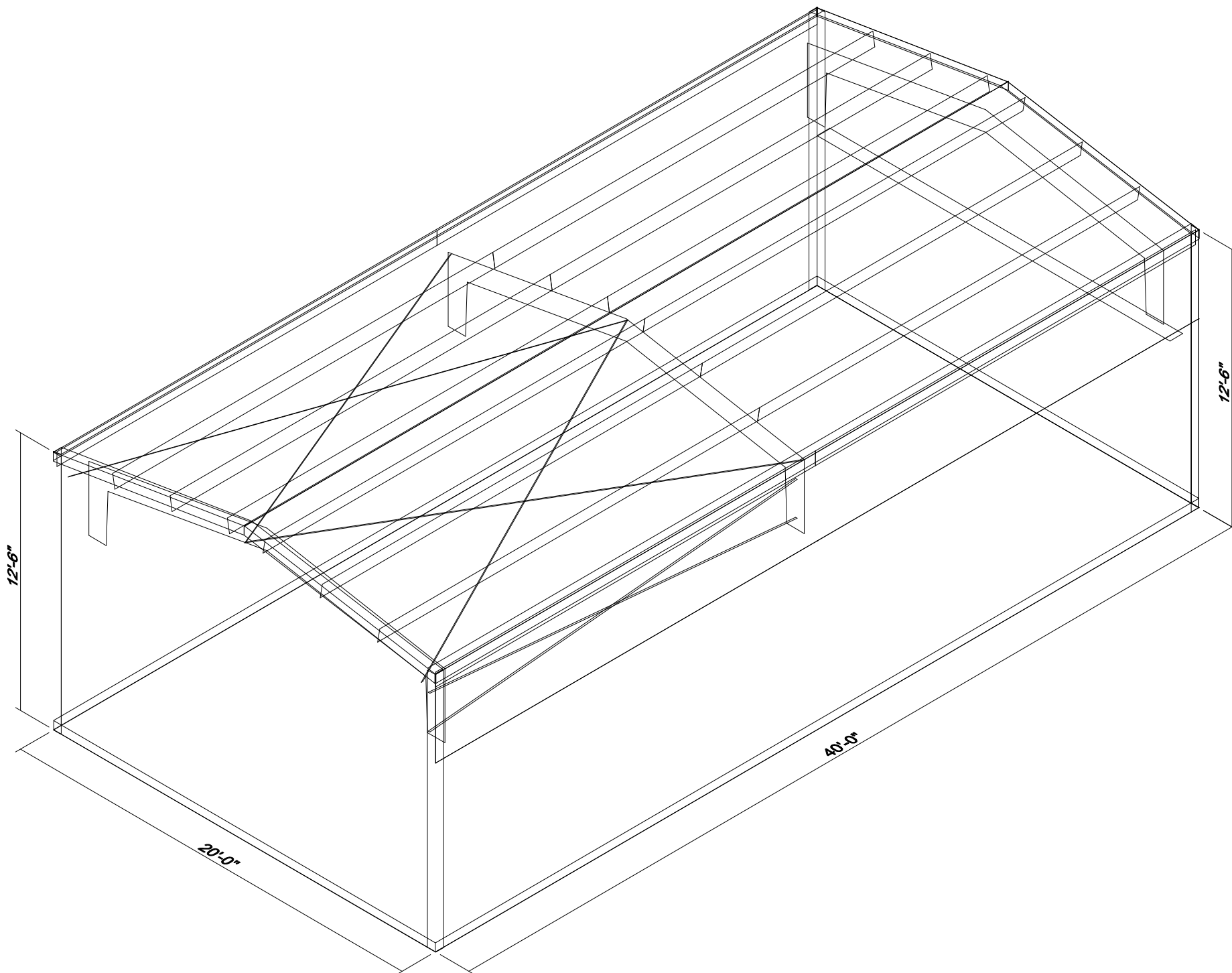


RIGID FRAME ELEVATION: FRAME LINE 2

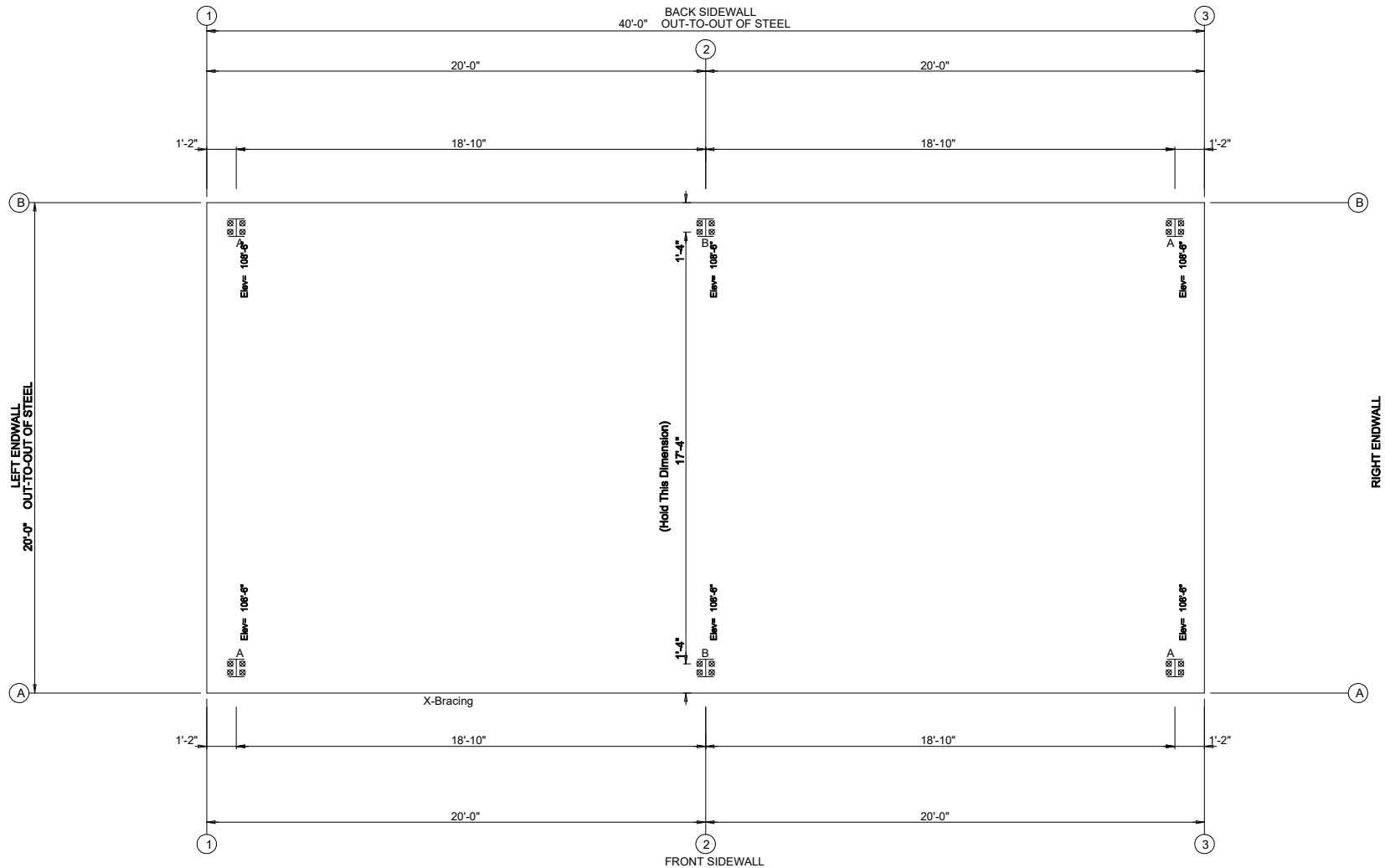
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DLR ADDRESS 2			
Drafter: XX	Date: 6/19/26	Designer: RA	Date: 6/19/26
Detailer: XX	Date: 6/19/26	Sales ID:	Factory ID:
Checker: XX	Date: 6/19/26		
RIGID FRAME ELEVATION			Sht E of



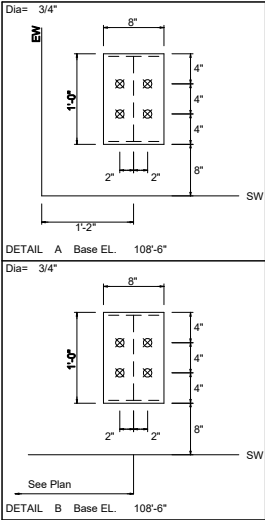
Ø Dia= 3/4"



ANCHOR BOLT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)

DEALER		Customer:	
DLR ADDRESS 2			
Drafter: XX	Date: 6/19/26	Designer: RA	Date: 6/19/26
Detailer: XX	Date: 6/19/26	Sales ID:	Factory ID:
Checker: XX	Date: 6/19/26		
ANCHOR BOLT PLAN			Sht E of



- GENERAL NOTES**
1. FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.
 2. THE BUILDING REACTION DATA, REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION.
 3. THE SPECIFIED ANCHOR BOLT DIAMETER ASSUMES ASTM A307. ANCHOR BOLT MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER.
 4. ANCHOR BOLTS TO BE SUPPLIED BY OTHERS. ANCHOR BOLT EMBEDMENT LENGTH SHALL BE DETERMINED BY THE FOUNDATION ENGINEER.
 5. ANCHOR BOLT PROJECTION ABOVE CONCRETE FINISHED SURFACE TO BE 3" UNLESS OTHERWISE NOTED BY FOUNDATION DESIGNER.
 6. ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN ELEVATION AND LOCATION. RIGID FRAME BASE PLATES ARE PROVIDED WITH OVERSIZED HOLES PER TABLE 14-2 IN THE AISC STEEL CONSTRUCTION MANUAL, APPLICABLE WASHER SIZE TO BE DETERMINED BY FOUNDATION ENGINEER.
 7. THE ANCHOR BOLT LOCATIONS PROVIDED BY THE METAL BUILDING MANUFACTURER MAY NOT SATISFY ANCHOR BOLT CONCRETE EDGE DISTANCE REQUIREMENTS DEPENDING ON THE DETAILS OF FOUNDATION DESIGN. IT IS THE RESPONSIBILITY OF THE FOUNDATION DESIGN ENGINEER TO MAKE SURE THAT SUFFICIENT CONCRETE EDGE DISTANCE IS PROVIDED IN THE FOUNDATION DESIGN.
 8. 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. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.
 9. THIS DRAWING IS NOT TO SCALE.

FRAME LINES: 1 2 3			
RIGID FRAME:		ANCHOR BOLTS & BASE PLATES	
Frm Line	Col Line	Anc. Bolt Qty	Base Plate (in) Width Length Thick Grout (in)
1*	B	4	0.750 8.000 12.00 0.500 102.0
1*	A	4	0.750 8.000 12.00 0.500 102.0
1*	Frame lines:		1 3

RIGID FRAME:		ANCHOR BOLTS & BASE PLATES	
Frm Line	Col Line	Anc. Bolt Qty	Base Plate (in) Width Length Thick Grout (in)
2	B	4	0.750 8.000 12.00 0.500 102.0
2	A	4	0.750 8.000 12.00 0.500 102.0

RIGID FRAME:		BASIC COLUMN REACTIONS (k)					
Frame Line	Column	Dead	Collateral	Live	Snow	Wind Left	Wind Right
1*	B	0.2	0.4	0.2	0.3	1.5	2.2
1*	A	-0.2	0.4	-0.2	0.3	-1.5	2.2
Frame Line	Column	Wind Left2	Wind Right2	Wind Long1	Wind Long2	Seismic Left	Seismic Right
1*	B	-0.7	-0.7	-0.7	-1.6	-0.8	-1.3
1*	A	0.2	-0.2	0.7	-0.7	0.8	-1.4
Frame Line	Column	Seismic Long1	Seismic Long2	F1UNB_SL_L	F1UNB_SL_R	F1UNB_SL_L	F1UNB_SL_R
1*	B	0.0	0.0	0.0	0.0	3.1	5.4
1*	A	0.0	-0.2	0.0	0.2	-3.1	5.4
Frame Line	Column	Dead	Collateral	Live	Snow	Wind Left	Wind Right
2	B	0.4	0.7	0.5	0.7	9.3	13.7
2	A	-0.4	0.7	-0.5	0.7	-9.3	13.7
Frame Line	Column	Wind Left2	Wind Right2	Wind Long1	Wind Long2	Seismic Left	Seismic Right
2	B	-0.8	-0.5	0.0	0.1	-1.2	-2.7
2	A	0.0	0.1	0.8	-0.5	1.3	-2.3
Frame Line	Column	Seismic Long1	Seismic Long2	F2UNB_SL_L	F2UNB_SL_R	F2UNB_SL_L	F2UNB_SL_R
2	B	0.0	0.0	0.0	0.0	7.0	12.1
2	A	0.0	-0.2	0.0	0.2	-7.0	12.1
1*	Frame lines:		1 3				

NOTES FOR REACTIONS	
Building reactions are based on the following building data:	
Width (ft)	= 20
Length (ft)	= 40
Eave Height (ft)	= 12.5 / 12.5
Roof Slope	= 2.0:12 / 2.0:12
Dead Load (psf)	= 2.25
Collateral Load (psf)	= 3.00
Roof Live Load (psf)	= 21.00
Roof Snow Load (psf)	= 58.10
Wind Load 1.50(psf)	= 7.32
Wind Code	= ONBC 24
Wind Category	= 2
Exposure	= 0
Importance - Wind	= 1.00
Importance - Seismic	= 0
Seismic Data	Sa(0.2) = 0.000
	Sa(0.5) = 0.000
	Sa(1.0) = 0.000
	Sa(2.0) = 1

BUILDING BRACING REACTIONS				
Wall	Col	2 Reactions(k)		Panel Shear
Loc	Line	Wind	Seismic	(lb/ft)
L_EW	1			
F_SW	A	1.2	0.1	1.4
R_EW	3			
B_SW	B			714 1000
(h) Rigid frame at endwall				
Reactions for seismic represent shear		Reaction values shown are unfactored		

DEALER		Customer:	
DLR ADDRESS 2			
Drafter: XX	Date: 6/19/26	Designer: RA	Date: 6/19/26
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Checker: XX	Date: 6/19/26		
ANCHOR BOLT DETAILS & REACTIONS		Sht E of	