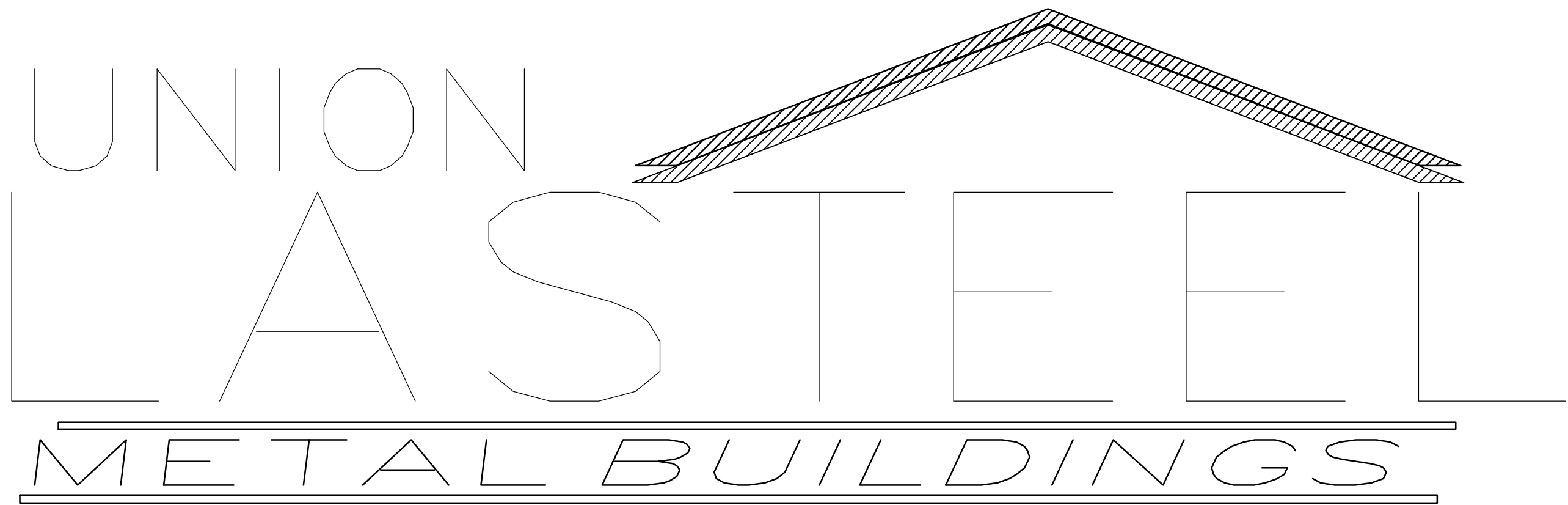




PO BOX 537 Lake Bulter, FL 32054
(386) 496-0681 (386) 496-4705 (fax)

BUILDING LOADS / DESCRIPTION:

WIDTH: 50 LENGTH: 150 HEIGHT: 11.83 /16
(BUILDING DIMENSIONS ARE NOMINAL. REFER TO PLANS).

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED
AND APPLIED AS REQUIRED BY : FBC 20 .

THE CONTRACTOR IS TO CONFIRM THAT THESE LOADS COMPLY
WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

ROOF DEAD LOAD: 2.000 PSF (ROOF PANELS & PURLINS)

COLLATERAL LOAD: 1 PSF SNOW EXPOSURE: 1.0000

ROOF LIVE LOAD: 20.00 PSF WIND EXPOSURE: C

ROOF SNOW LOAD: 0 PSF INTERNAL PRESSURE COEFF.:

GROUND SNOW LOAD: 0 PSF 0.18 / -0.18

BASIC WIND SPEED: 130 MPH SPECTRAL RESPONSE COEFF. MAPPED SPECTRAL RESPONSE ACC.

SEISMIC ZONE: B Sds 0.10 Ss 0.09

THERMAL FACTOR: 1.00 Sd1 0.08 St 0.05

IMPORTANCE FACTORS: DESIGN BASE SHEAR, V:

WIND LOAD	1.00	EXPANDED FORMULA	0.667*Ie*Fa*Ss*W/R
SNOW LOAD	1.0000	LONGITUDINAL	1.69
SEISMIC LOAD	1.00	TRANSVERSE	1.72

GENERAL NOTES:

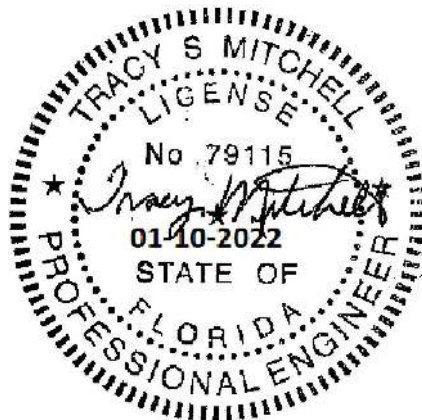
- 1) MATERIALS : MINIMUM YIELD:
- | | |
|------------------------|-----------------------|
| HOT ROLLED BAR | Fy = 50.0000 ksi MIN. |
| STRUCTURAL STEEL SHEET | Fy = 55.0000 ksi MIN. |
| STRUCTURAL STEEL PLATE | Fy = 50.0000 ksi MIN. |
| COLD FORMED SHAPES | Fy = 57.0000 ksi MIN. |
| WALL SHEETING | Fy = 60.0000 ksi MIN. |
| ROOF SHEETING | Fy = 60.0000 ksi MIN. |
| BOLTS | A307 & A325 |
- THE METAL BUILDING MANUFACTURER RESERVES THE RIGHT TO
SUBSTITUTE THE ABOVE MATERIALS WITH EQUAL OR BETTER MATERIAL.

- 2) BOLT TIGHTENING REQUIREMENTS:
- ALL HIGH STRENGTH BOLTS ARE A325 UNLESS NOTED OTHERWISE.
HIGH STRENGTH 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". A325 BOLTS SHALL BE
INSTALLED WITH OUT WASHERS WHEN TIGHTENED BY THE "TURN OF THE NUT"
METHOD. ALL BOLTED CONNECTIONS, FOR SHEAR/BEARING CONNECTION TYPE
WITH BOLT THREADS EXCLUDED FROM THE SHEAR PLANE SHALL BE SNUG TIGHT
ONLY.

- 3) ALL STRUCTUAL STEEL TO RECEIVE A RUST INHIBITIVE PRIMER. THIS PAINT
IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS.



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ROOF PANELS:

COLOR: Galvalume Plus

WALL PANELS:

COLOR:

TRIM COLORS:

CABLE: Galvalume Plus

CORNER: Galvalume Plus

EAVE: Galvalume Plus

FRAMED OPENINGS: Galvalume Plus

LINER PANELS:

COLOR: N/A

LINER TRIM:

COLOR: N/A

DEFLECTION LIMITS:

EW COL:	180
EW RAF LIVE:	180
EW RAF WIND:	180
WALL GIRT:	90
PURL LIVE:	180
PURL WIND:	150
WALL PANEL:	60
ROOF PANEL LIVE:	60
ROOF PANEL WIND:	60
RF HORIZONTAL:	60
RF VERTICAL:	180
WIND BENT:	60
RF CRANE:	60
RF SEIS:	50
WIND BENT SEIS:	50

BUILDER / CONTRACTOR RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO INSURE THAT ALL PROJECT
PLANS AND SPECIFICATIONS 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 THE METAL BUILDING SYSTEM MANUFACTURER OR ITS DESIGN ENGINEER IS
ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION
PROJECT.

THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE
APPROPRIATE AGENCY AS REQUIRED. APPROVAL OF THE METAL BUILDING SYSTEM
MANUFACTURER'S DRAWINGS AND CALCULATIONS INDICATE THAT THE METAL BUILDING
SYSTEM MANUFACTURER CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE
CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.2.1 AISC CODE OF STANDARD
PRACTICES, 9TH ED.) WHERE DISCREPANCIES EXIST BETWEEN THE METAL BUILDING SYSTEM
MANUFACTURER'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE
STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE
9TH ED.)

DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT
FURNISHED BY THE METAL BUILDING SYSTEM MANUFACTURER ARE THE RESPONSIBILITY OF
THE CONTRACTORS AND ENGINEERS OTHER THAN THE METAL BUILDING SYSTEM
MANUFACTURER'S ENGINEER UNLESS SPECIFICALLY INDICATED.

THE CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK
IN COMPLIANCE WITH THE METAL BUILDING SYSTEM MANUFACTURER "FOR CONSTRUCTION"
DRAWINGS.

ALL BRACING AS SHOWN AND PROVIDED BY THE METAL BUILDING SYSTEM MANUFACTURER
FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A
PERMANENT PART OF THE STRUCTURE.

TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK, CRIBBING OR
OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND
FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE
THE STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS
COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING
FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING
FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH
UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION, OR COLLISION. (SECT. 7.9.1
AISC CODE OF STANDARD PRACTICE, 9TH ED.)

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

APPROVAL NOTES

THE FOLLOWING CONDITIONS APPLY IN THE EVENT THAT THESE DRAWINGS ARE USED AS
APPROVAL DRAWINGS: IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS BE MADE
IN CONTRASTING INK (PREFERABLY RED INK), HAVE ALL INSTANCES OF CHANGE CLEARLY
INDICATED, AND BE LEGIBLE AND UNAMBIGUOUS. A SIGNATURE AND DATE IS REQUIRED ON
ALL PAGES. MANUFACTURER RESERVES THE RIGHT TO RE-SUBMIT DRAWINGS WITH EXTENSIVE
OR COMPLEX CHANGES REQUIRED TO AVOID MISFABRICATION. THIS MAY IMPACT THE
DELIVERY SCHEDULE. APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT THE
METAL BUILDING SYSTEM MANUFACTURER HAS CORRECTLY INTERPRETED THE CONTRACT
REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN WITH
INDICATED CHANGES REPRESENTS THE TOTAL OF THE MATERIALS TO BE SUPPLIED BY
MANUFACTURER. ANY CHANGES NOTED ON THHE DRAWINGS NOT IN COMFORMANCE WITH THE
TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND ITS CUSTOMER
ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED
AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION.
MANUFACTURER RECONGNIZES THAT RUBBER STAMPS ARE ROUTINELY USED FOR INDICATING
APPROVAL, DISAPPROVAL, REJECTION, OR MERE REVIEW OF THE DRAWINGS SUBMITTED.
HOWEVER, MANUFACTURER DOES NOT ACCEPT CHANGES OR ADDITIONS TO CONTRACTURAL
TERMS AND CONDITIONS THAT MAY APPEAR WITH USE OF A STAMP OR SIMILIAR INDICATION
OF APPROVAL, DISAPPROVAL, ETC. SUCH LANGUAGE APPLIED TO MANUFACTURER'S DRAWINGS
BY THE CUSTOMER, ARCHITECT, ENGINEER, OR ANY OTHER PARTY WILL BE CONSIDERED AS
UNACCEPTABLE ALTERNATIONS TO THESE DRAWING NOTES, AND WILL NOT ALTER THE
CONTRACTUAL RIGHTS AND OBLIGATIONS EXISTING BETWEEN MANUFACTURER AND ITS
CUSTOMER.

IMPORTANT NOTE: FINAL DETAILING, FABRICATION, AND DELIVERY DATE OF THIS PROJECT
CANNOT BE COMPLETED UNTIL THE SIGNED APPROVALS ARE RETURNED TO THE METAL
BUILDING MANUFACTURER.

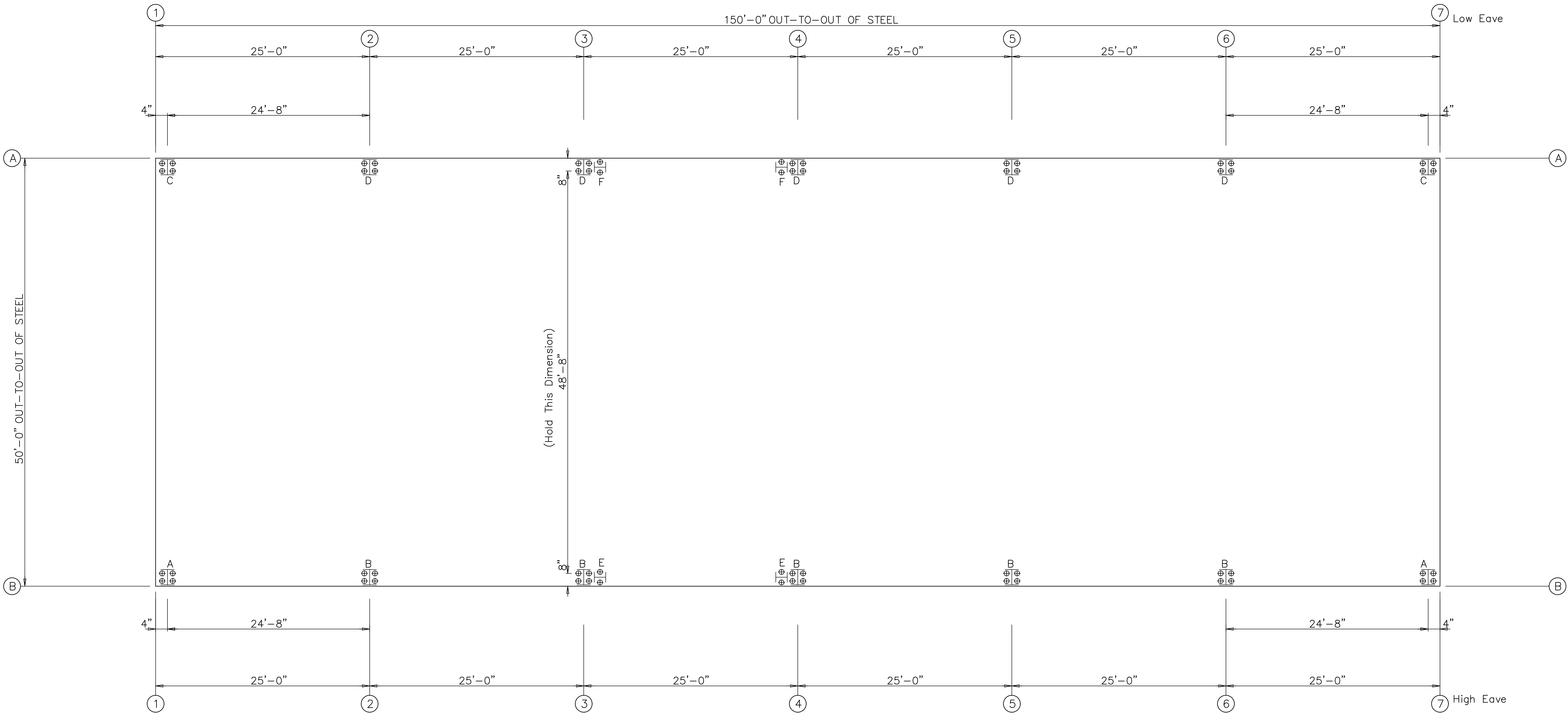
SHEET 1 OF 14

697 NW Country Lake Drive
Lake City, FL 32055

△		
△		
△		
△		
△	01/10/22	FOR PERMIT
REV.	DATE	REVISION

PURCHASER: Bryan Zecher Construction
PROJECT: Metal Building
JOB NUMBER: BryanZecherConst50x150

⊕ Dia= 3/4"



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



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Union LaSteel					
PROJECT	Metal Building		ANCHOR BOLT PLAN		
ID	BryanZecherConst50x150		DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055		DATE: 1/ 4/22		SHEET 2 OF 14

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	50.0
Length (ft)	=	150.0
Eave Height (ft)	=	11.8/ 16.0
Roof Slope (rise/12)	=	1.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	1.0
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	12.0
Wind Speed (mph)	=	130.0
Wind Code	=	FBC 20 (IBC 18)
Exposure	=	C
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	B
Seismic Coeff (Fa*Ss)	=	0.15

ID	Description
1	Dead+Collateral+Live
2	Dead+Collateral+0.75Live+0.45Wind_Right2
3	0.6Dead+0.6Wind_Left1
4	0.6Dead+0.6Wind_Right1

BUILDING BRACING REACTIONS

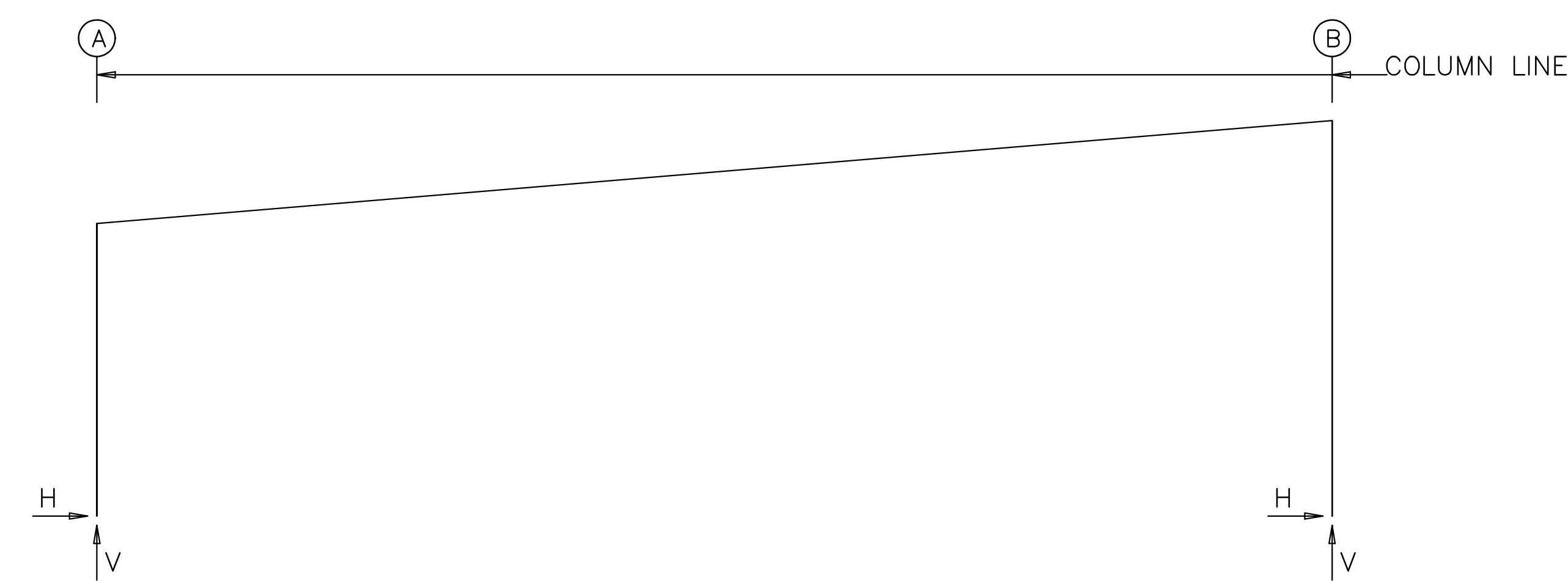
		± Reactions(k)				Panel_Shear		Note
Wall Loc	Col Line	Wind Horiz	Wind Vert	Seismic Horiz	Seismic Vert	Wind (lb/ft)	Seis	
L_EW	1							(h)
F_SW	B							(a)
R_EW	7							(h)
B_SW	A							(a)

(a)Wind bent in bay
(h)Rigid frame at endwall

WIND BENT REACTIONS

		± Reactions				Bolt(in)		Base_Plate(in)		
Wall Loc	Col Line	Wind Horiz	Wind Vert	Seismic Horiz	Seismic Vert	Qty	Dia	Width	Length	Thick
F_SW	B	3.4	4.2	0.4	0.5	2	0.750	8.000	12.000	0.375
F_SW	B	3.4	4.2	0.4	0.5	2	0.750	8.000	12.000	0.375
B_SW	A	1.9	1.7	0.4	0.3	2	0.750	8.000	8.000	0.375
B_SW	A	1.9	1.7	0.4	0.3	2	0.750	8.000	8.000	0.375

FRAME LINES: 1 2 3 4 5 6 7



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*	A	2	2.8	3.5	3	-4.1	-5.9	4	0.750	8.000	11.94	0.375	0.0
		1	2.7	5.1									
1*	B	4	3.2	-5.7	1	-2.7	7.0	4	0.750	8.000	13.75	0.375	0.0
		1	-2.7	7.0	3	2.1	-6.1						
1*	Frame lines: 1 7												

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*	A	2	5.2	7.3	3	-5.9	-9.2	4	0.750	8.000	13.75	0.375	0.0
		1	4.8	10.0									
2*	B	4	4.5	-9.4	1	-4.8	13.4	4	0.750	8.000	10.38	0.375	0.0
		1	-4.8	13.4	4	4.5	-9.4						
2*	Frame lines: 2 3 4 5 6												

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead		Collateral		Live		Wind_Left1		-Wind_Right1-		--Wind_Left2-	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1*	A	0.5	1.1	0.2	0.3	2.0	3.7	-7.4	-11.0	0.3	-5.1	-6.3	-7.5
1*	B	-0.5	1.4	-0.2	0.4	-2.0	5.2	4.1	-11.6	5.9	-10.9	3.0	-8.1
2*	A	0.9	2.0	0.3	0.6	3.6	7.3	-10.7	-17.3	0.9	-8.8	-9.0	-10.3
2*	B	-0.9	2.4	-0.3	0.8	-3.6	10.2	5.3	-18.0	8.4	-18.0	3.5	-11.0
Frame Line	Column Line	-Wind_Right2-		--Wind_Long1-		--Wind_Long2-		-Seismic_Left		Seismic_Right			
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert		
1*	A	1.4	-1.6	-3.1	-8.5	-1.6	-5.5	-0.1	0.0	0.1	0.0		
1*	B	4.8	-7.3	3.5	-8.7	1.5	-5.4	-0.1	0.0	0.1	0.0		
2*	A	2.8	-1.8	-5.2	-16.8	-2.7	-10.8	-0.2	-0.1	0.2	0.1		
2*	B	6.5	-11.0	6.0	-17.1	2.4	-10.6	-0.1	0.1	0.1	-0.1		

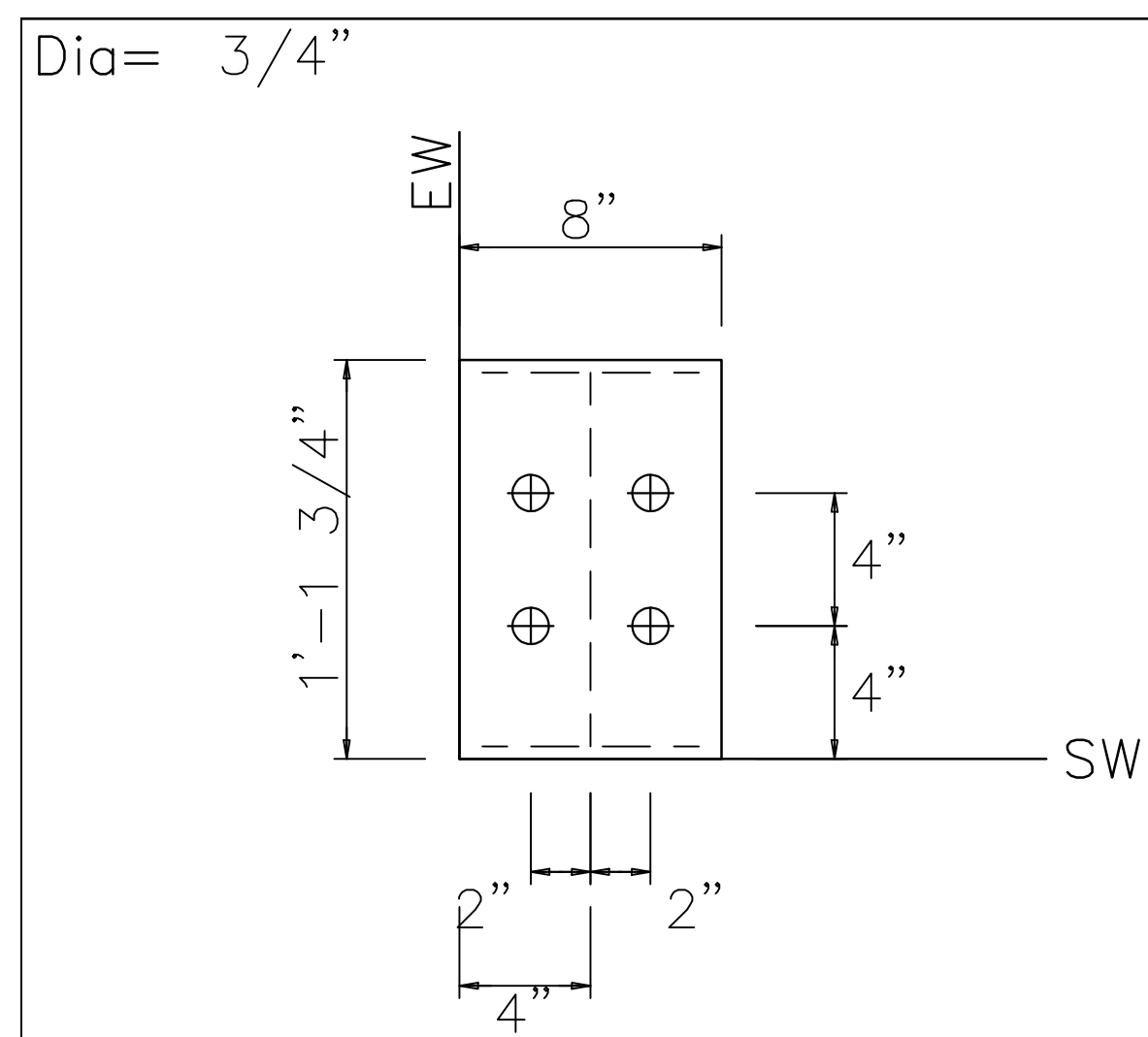
1* Frame lines: 1 7
2* Frame lines: 2 3 4 5 6

ANCHOR BOLT SUMMARY

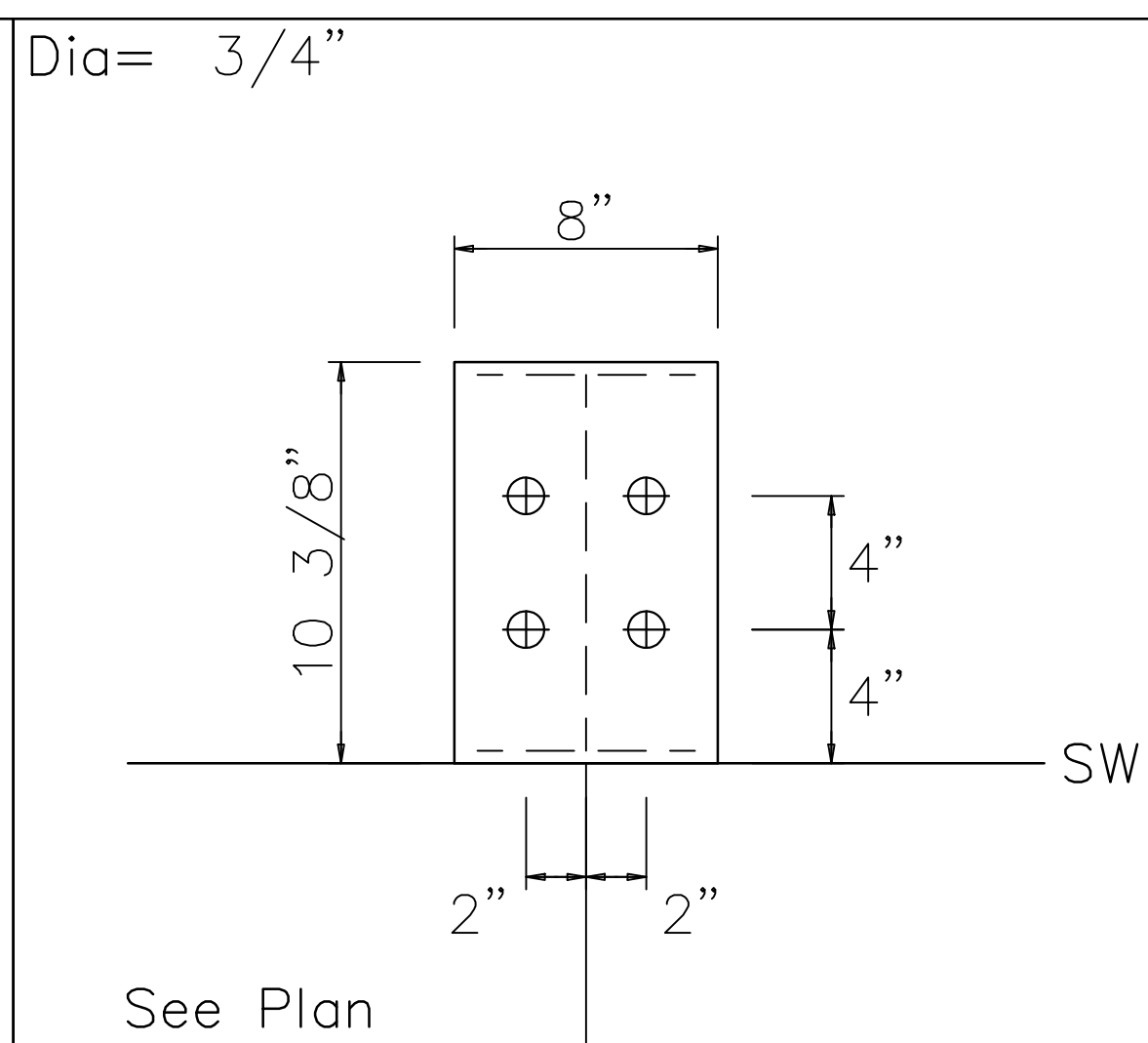
Qty	Locate	Dia (in)	Type	Proj (in)
⊕ 56	Frame	3/4"	A307	3.00
⊕ 8	WindCol	3/4"	A307	3.00



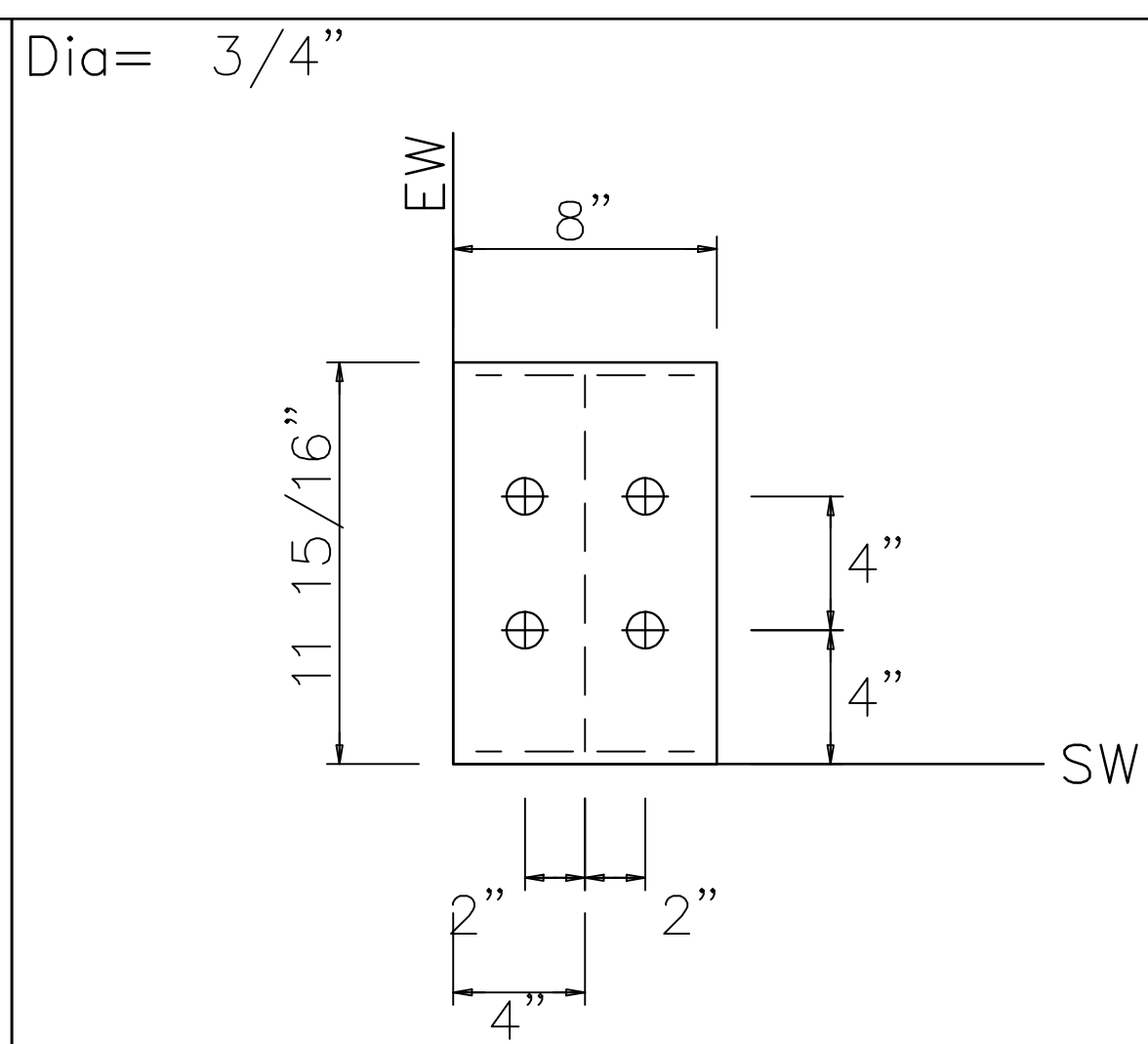
Union LaSteel				
PROJECT	Metal Building	ANCHOR BOLT REACTIONS		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22	SHEET 3 OF 14	



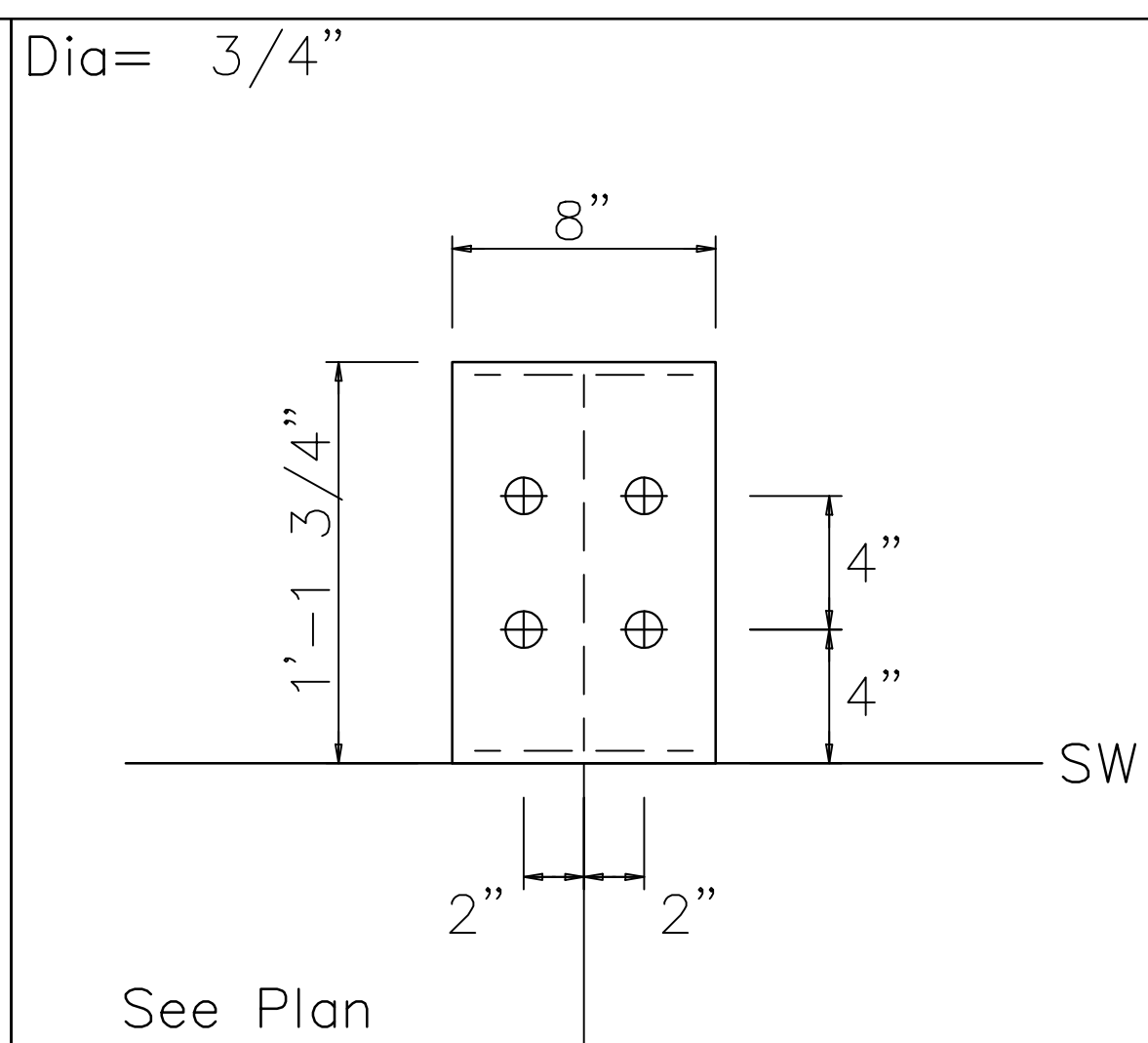
DETAIL A



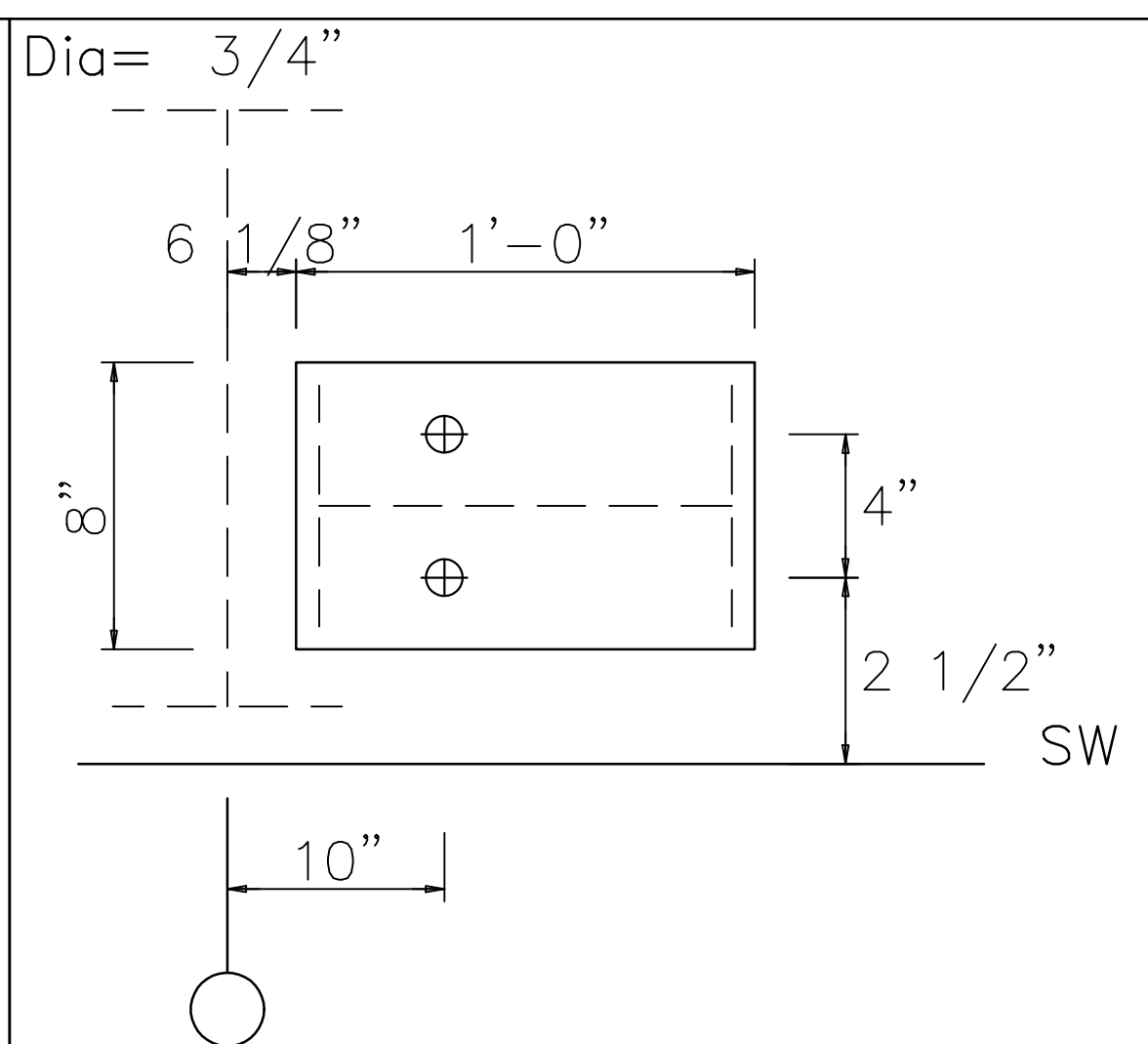
DETAIL B



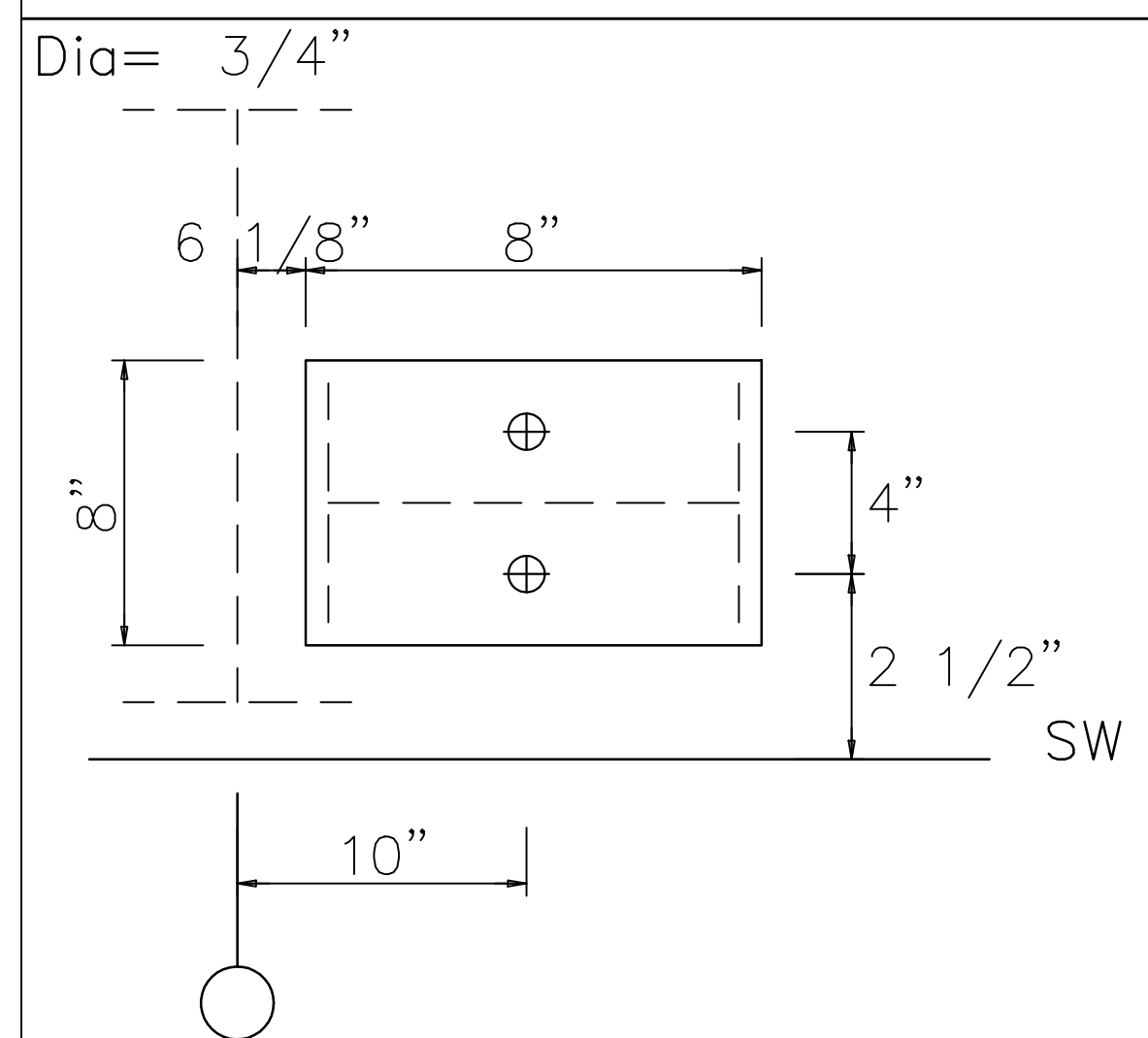
DETAIL C



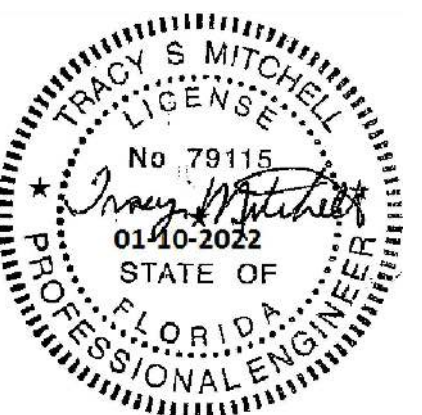
DETAIL D



DETAIL E

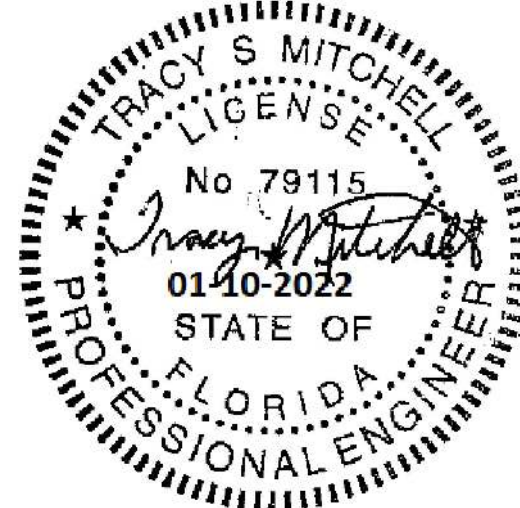


DETAIL F

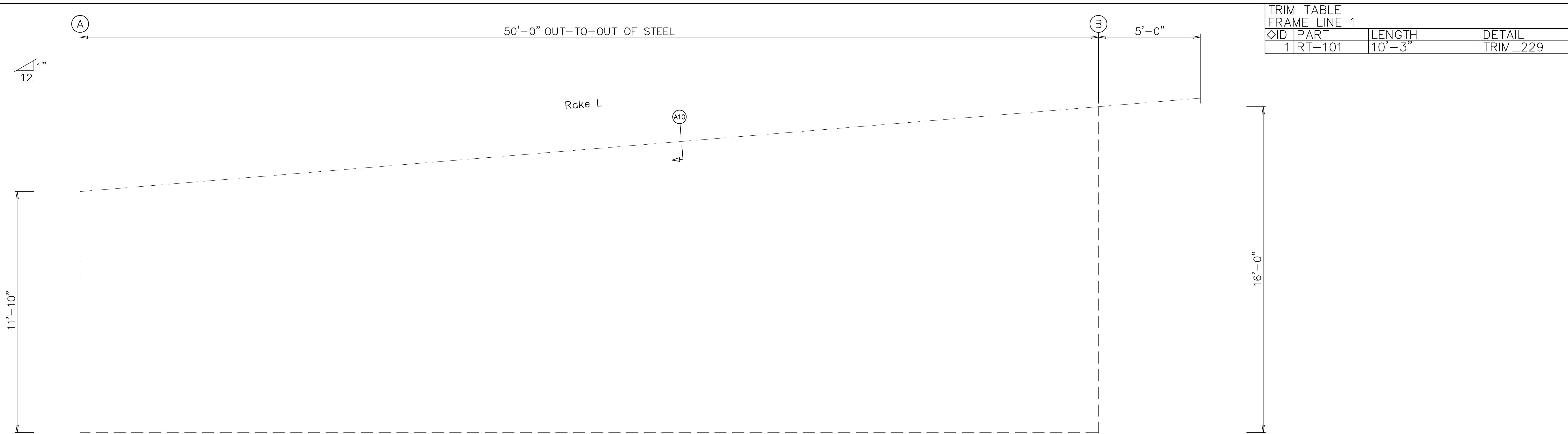


Union LaSteel				
PROJECT	Metal Building	ANCHOR BOLT DETAILS		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22		SHEET 4 OF 14

A10 ROOF PURLIN TO EXPANDABLE ENDWALL RIGID FRAME	G2 TYPICAL SECTION THROUGH PURLIN LAP	H10 WIND BENT OR WIND COLUMN TO BUILDING COLUMN	J1 EAVE STRUT TO RIGID FRAME	J7 EAVE STRUT TO RIGID FRAME	J23 EAVE STRUT TO RIGID FRAME
J25 EAVE STRUT TO RIGID FRAME	Q2 DIAGONAL CABLE, EYEBOLT END	R2 ANCHOR BOLTS AT SIDEWALL COLUMN	SCREW_4 FASTENER LOCATION - "PBR" PANEL AT ROOF	TRIM_175 3 1/2" x 5 3/8" Roll Form Downspout Elevation	TRIM_229 GABLE
TRIM_316 EAVE TRIM	TRIM_317 GUTTER FLASHING	U3 BOLTS FOR RAFTER TO COLUMN CONNECTION	X1 EB-2	X2 EB-3	X3 EB-4

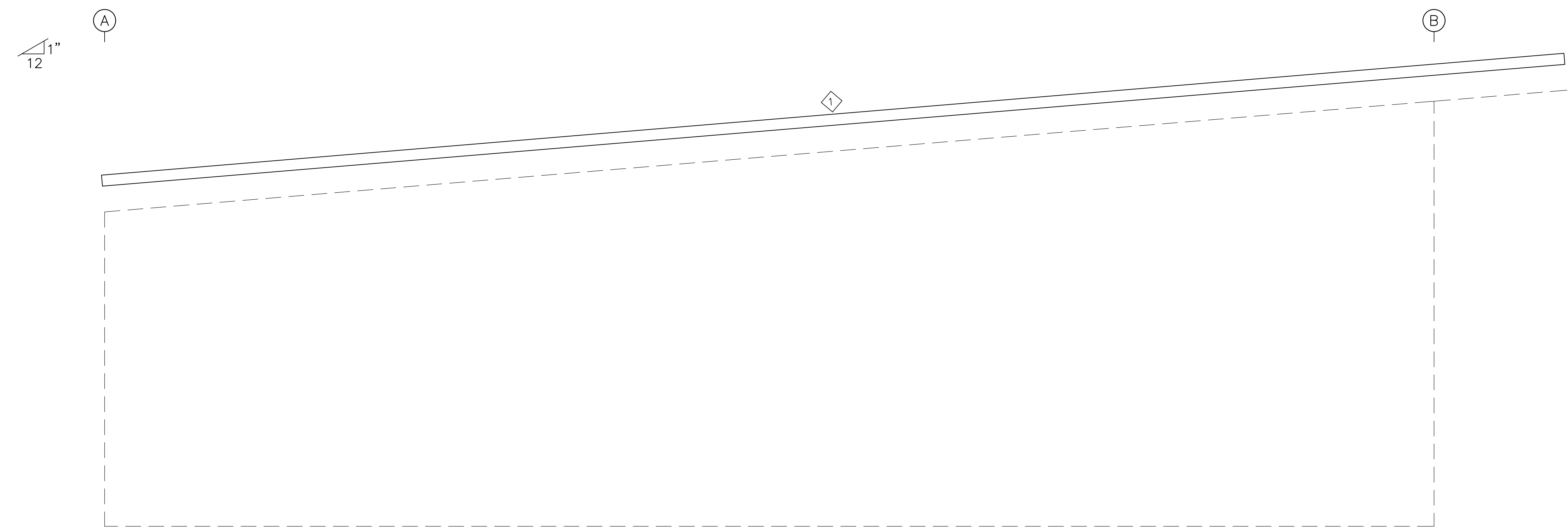


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PROJECT	Metal Building	STRUCTURAL DETAILS		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22	SHEET 5 OF 14	



TRIM TABLE			
FRAME LINE 1			
◇ID	PART	LENGTH	DETAIL
1	RT-101	10'-3"	TRIM_229

ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1



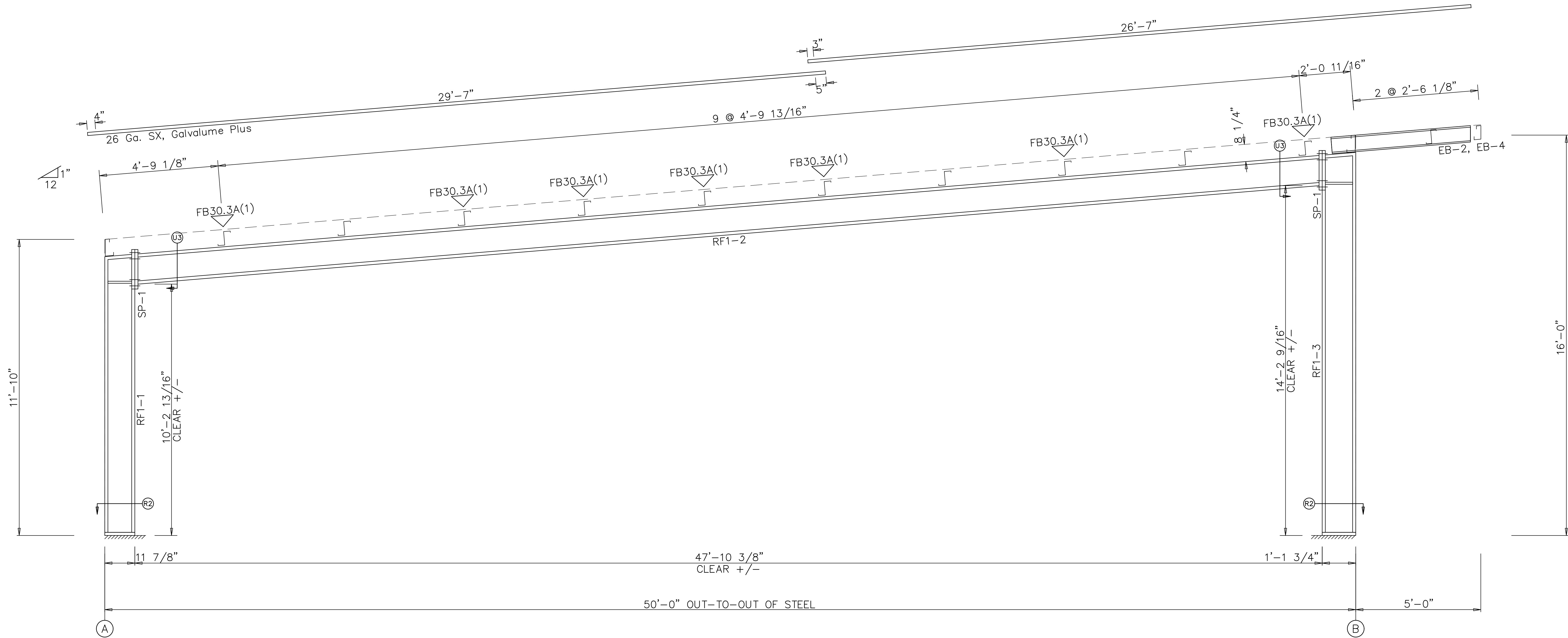
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PROJECT	Metal Building	ENDWALL FRAMING		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22	SHEET 6 OF 14	

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	0	A325	0.750	2.00

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF1-1	W12X14	11'-1 11/16"
RF1-2	W12X14	47'-11 15/16"
RF1-3	W14X22	15'-3 7/8"
EB-2	W8X10	6'-0 3/16"
EB-4	W8X10	6'-0 3/16"

▽FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - L2x2x14G



RIGID FRAME ELEVATION: FRAME LINE 1 7



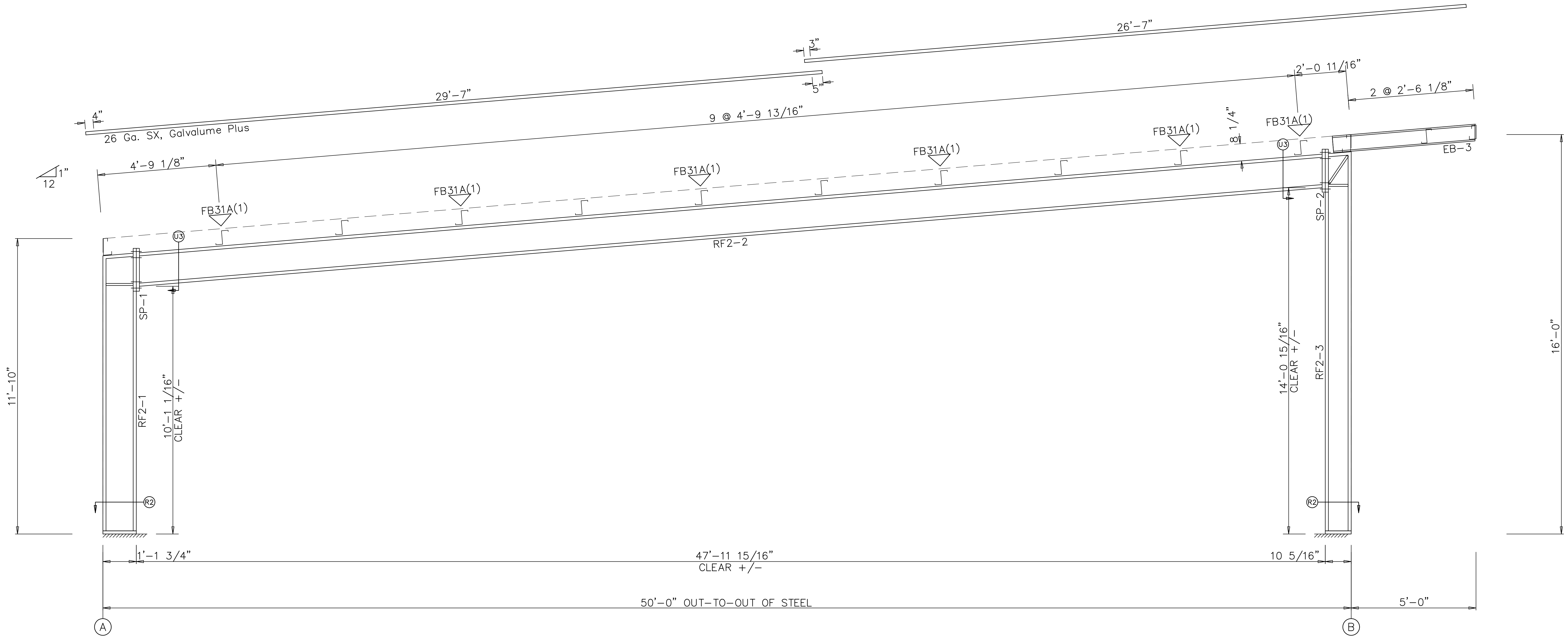
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PROJECT	Metal Building	RIGID FRAME ELEVATION		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22	SHEET 8 OF 14	

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	0	A325	0.750	2.00
SP-2	4	4	0	A325	0.750	2.25

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF2-1	W14X22	11'-1 11/16"
RF2-2	W14X22	48'-1 9/16"
RF2-3	W10X26	15'-3 7/8"
EB-3	W8X13	5'-9 3/8"

▽FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - L2x2x14G



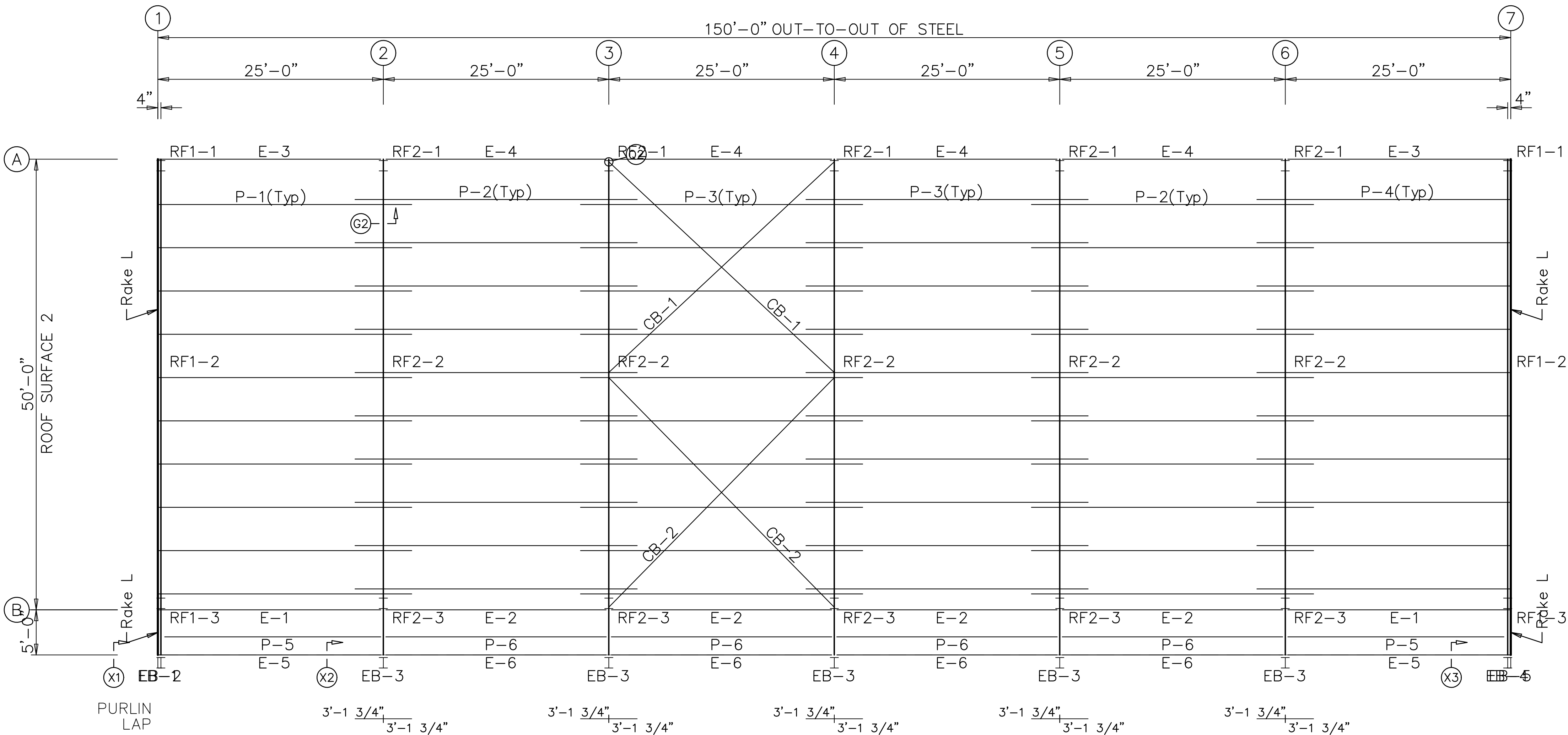
RIGID FRAME ELEVATION: FRAME LINE 2 3 4 5 6



Union LaSteel				
PROJECT	Metal Building	RIGID FRAME ELEVATION		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22	SHEET 9 OF 14	

EXTENSION/CANOPY BOLTS				
ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-2	4	A325	3/4"	1 3/4"
EB-3	4	A325	3/4"	1 3/4"
EB-4	4	A325	3/4"	1 3/4"

MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
EB-1	8X2CH16	7'-0 7/8"
EB-2	W8X10	6'-0 3/16"
EB-3	W8X13	5'-9 3/8"
EB-4	W8X10	6'-0 3/16"
EB-5	8X2CH16	7'-0 7/8"
P-1	8X25Z12	28'-1 1/2"
P-2	8X25Z14	31'-3 1/2"
P-3	8X25Z16	31'-3 1/2"
P-4	8X25Z12	28'-1 1/2"
P-5	8X25Z12	23'-11 1/2"
P-6	8X25Z12	24'-3 1/2"
E-1	E085341H	23'-11 1/2"
E-2	E085341H	24'-3 1/2"
E-3	E085341L	24'-11 1/2"
E-4	E085341L	24'-11 1/2"
E-5	E085341H	24'-7 1/2"
E-6	E085341H	24'-3 1/2"
CB-1	0.25_CBL	32'-8 1/4"
CB-2	0.25_CBL	34'-0 3/4"



ROOF FRAMING PLAN



ROOF SHEETING
PANELS: 26 Ga. SX
Galvalume Plus



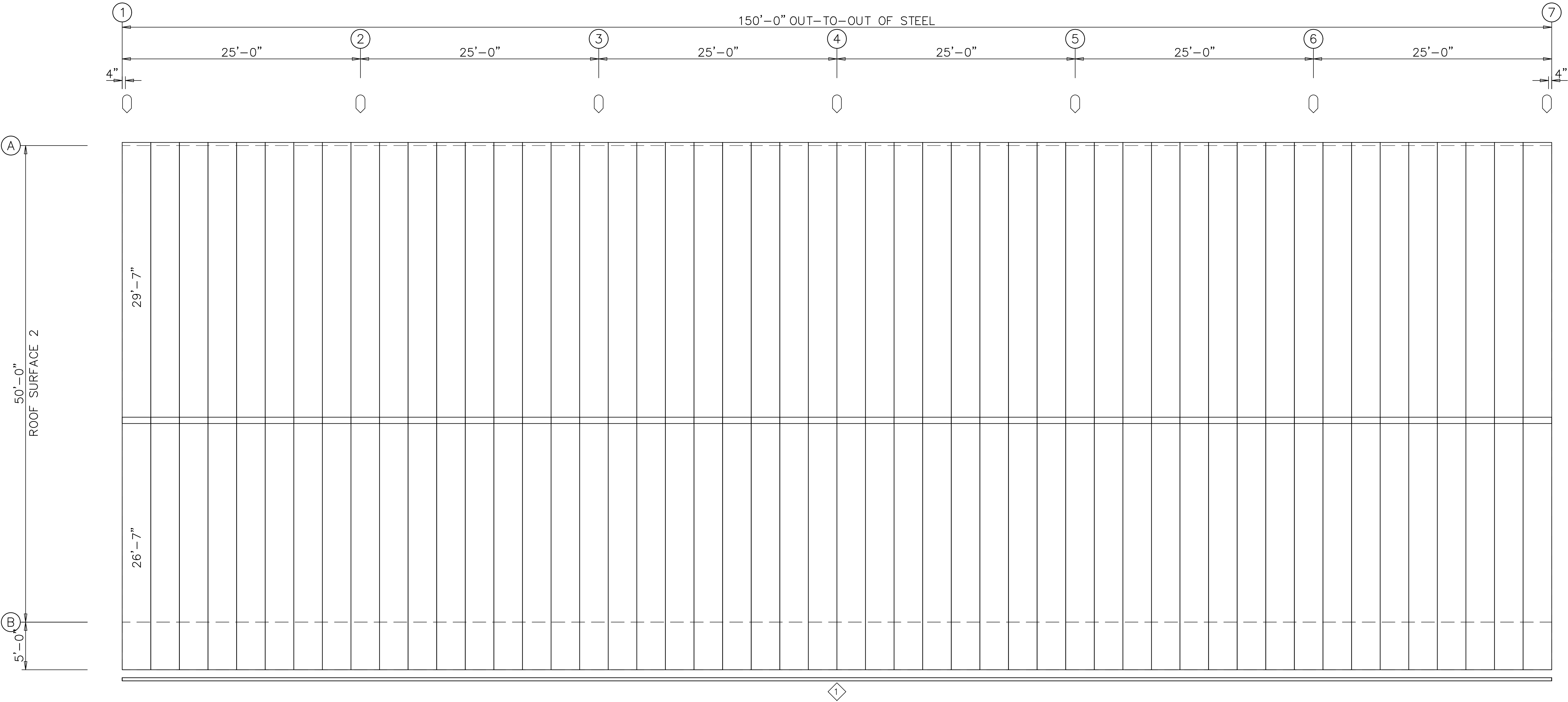
ASG LLC
AMERICAN STRUCTURAL GROUP
CONSULTING STRUCTURAL ENGINEERS

225 SOUTH MAIN STREET
MONROE, OHIO 45050
PH 513-402-7600
WWW.ASG-ENG.COM
"Value Engineering the First Time"

Union LaSteel				
PROJECT	Metal Building	ROOF FRAMING		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22	SHEET 10 OF 14	

⬇️ DOWNSPOUT LOCATIONS

TRIM TABLE			
ROOF PLAN			
◇ID	PART	LENGTH	DETAIL
1	ET-701	10'-3"	TRIM_316



ROOF SHEETING PLAN
PANELS: 26 Ga. SX – Galvalume Plus



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Union LaSteel				
PROJECT	Metal Building	ROOF SHEETING		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22	SHEET 11 OF 14	

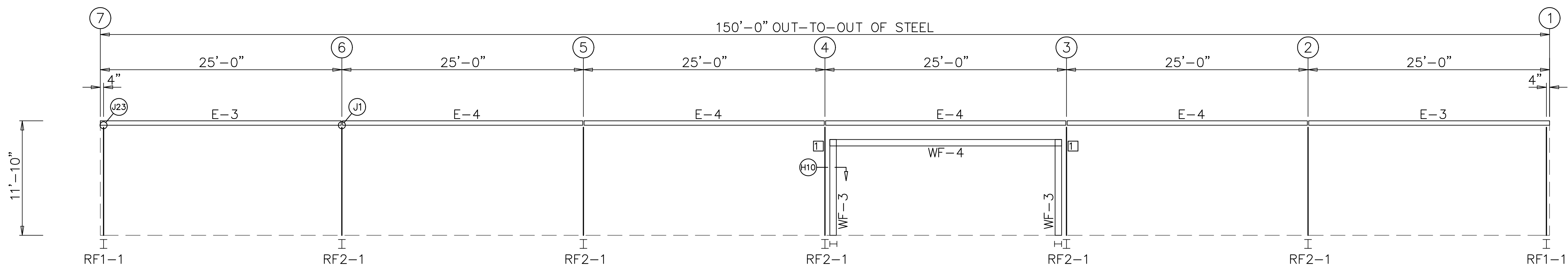
Q DOWNSPOUT LOCATIONS

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

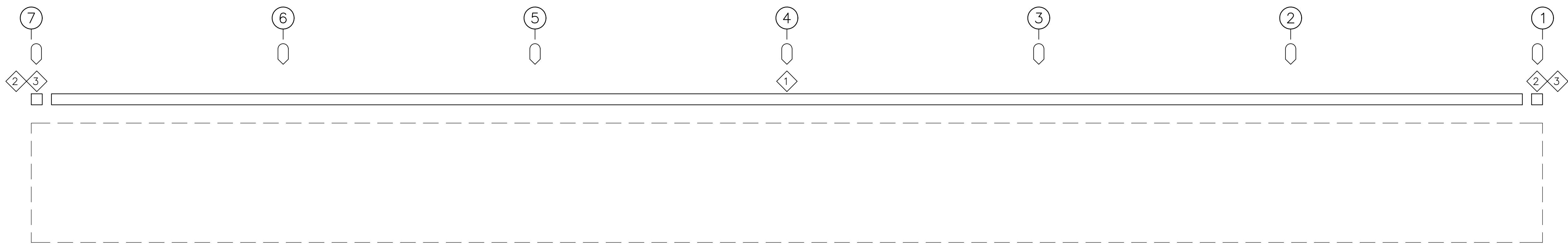
MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
WF-3	W08542	10'-5"
WF-4	W08542	22'-7 5/16"
E-3	E085341L	24'-11 1/2"
E-4	E085341L	24'-11 1/2"

TRIM TABLE FRAME LINE A		
◇ID	PART	LENGTH
1	GU-121	20'-3"
2	EC-121	6"
3	SCB	6"

CONNECTION PLATES FRAME LINE A	
□ID	MARK/PART
1	"I" PLT



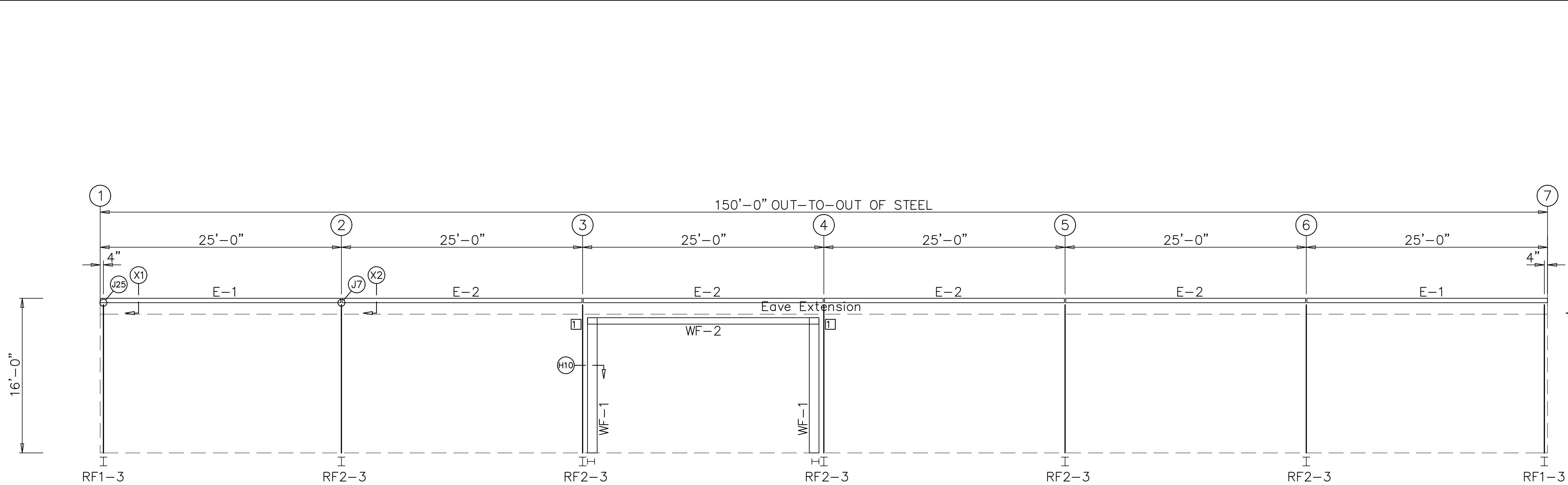
SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A



Union LaSteel				
PROJECT	Metal Building	SIDEWALL FRAMING		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22	SHEET 12 OF 14	



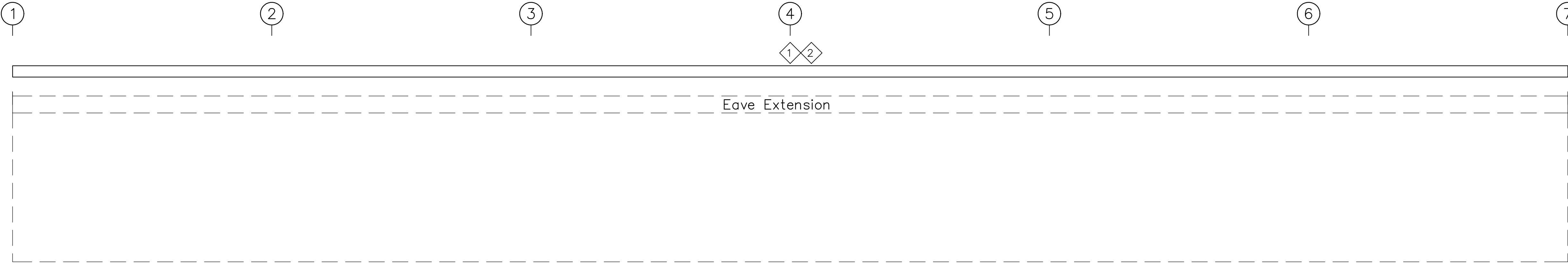
SIDEWALL FRAMING: FRAME LINE B

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

MEMBER TABLE		
FRAME LINE B		
MARK	PART	LENGTH
WF-1	W12541	14'-6"
WF-2	W08542	21'-11 1/16"
E-1	E085341H	23'-11 1/2"
E-2	E085341H	24'-3 1/2"

TRIM TABLE		
FRAME LINE B		
◇ID	PART	LENGTH
1	ET-801	10'-3"
2	ET-801	20'-3"

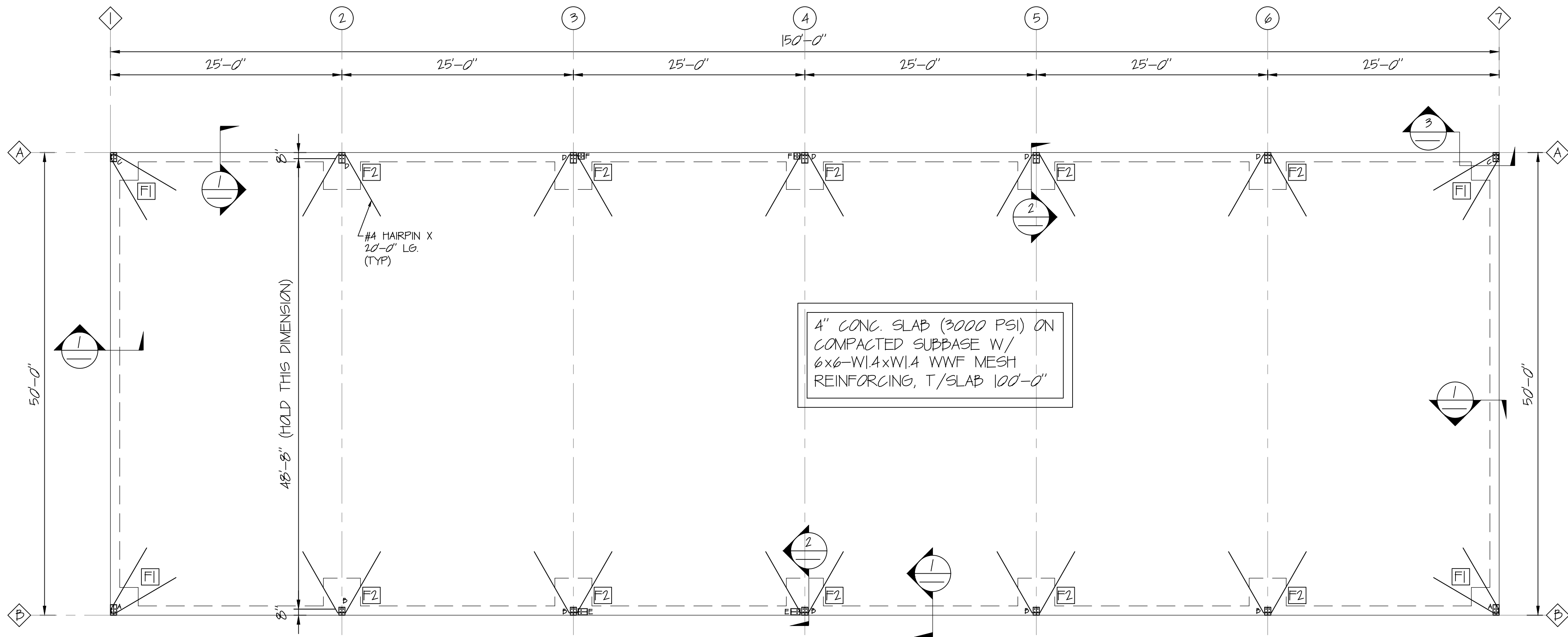
CONNECTION PLATES	
FRAME LINE B	
□ID	MARK/PART
1	"1" PLT



SIDEWALL SHEETING & TRIM: FRAME LINE B



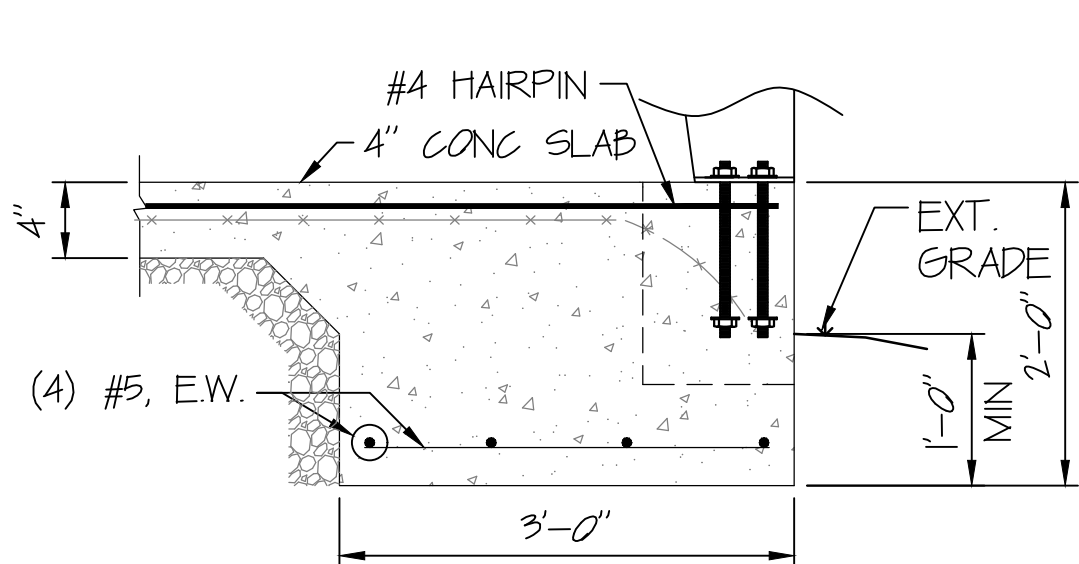
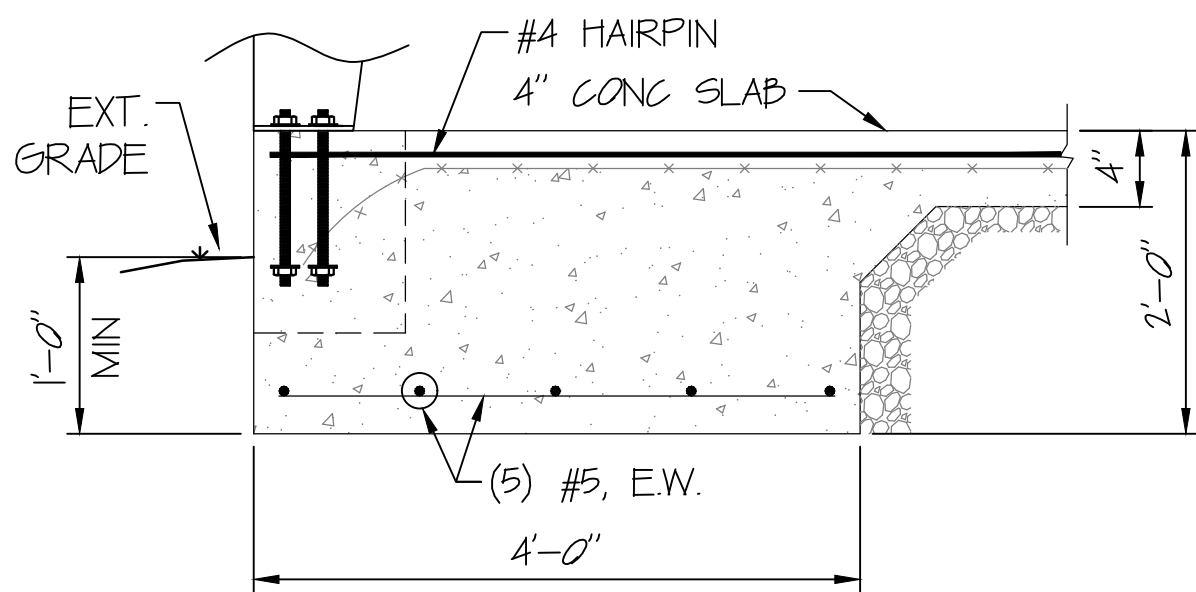
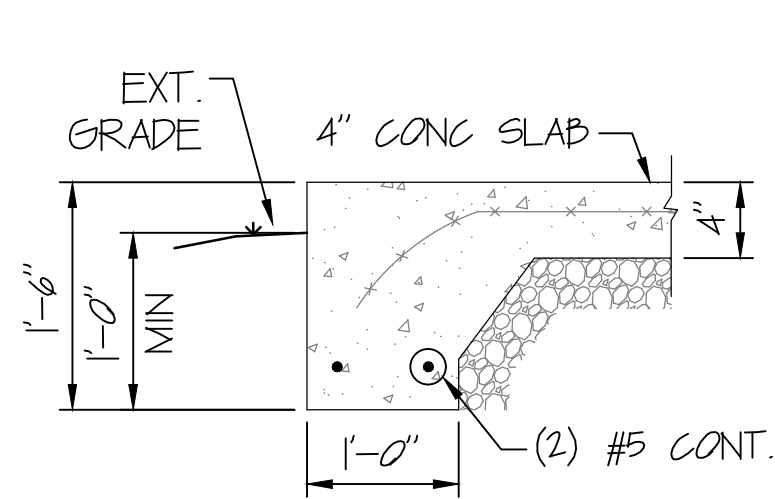
Union LaSteel				
PROJECT	Metal Building	SIDEWALL FRAMING		
ID	BryanZecherConst50x150	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	697 NW Country Lake Drive Lake City, FL 32055	DATE: 1/ 4/22	SHEET 13 OF 14	



THE SOIL BEARING PRESSURE IS ASSUMED TO BE 1500 PSF MAXIMUM. UPON ENCOUNTERING SOILS LESS THAN THIS CONTACT THE ENGINEER.

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

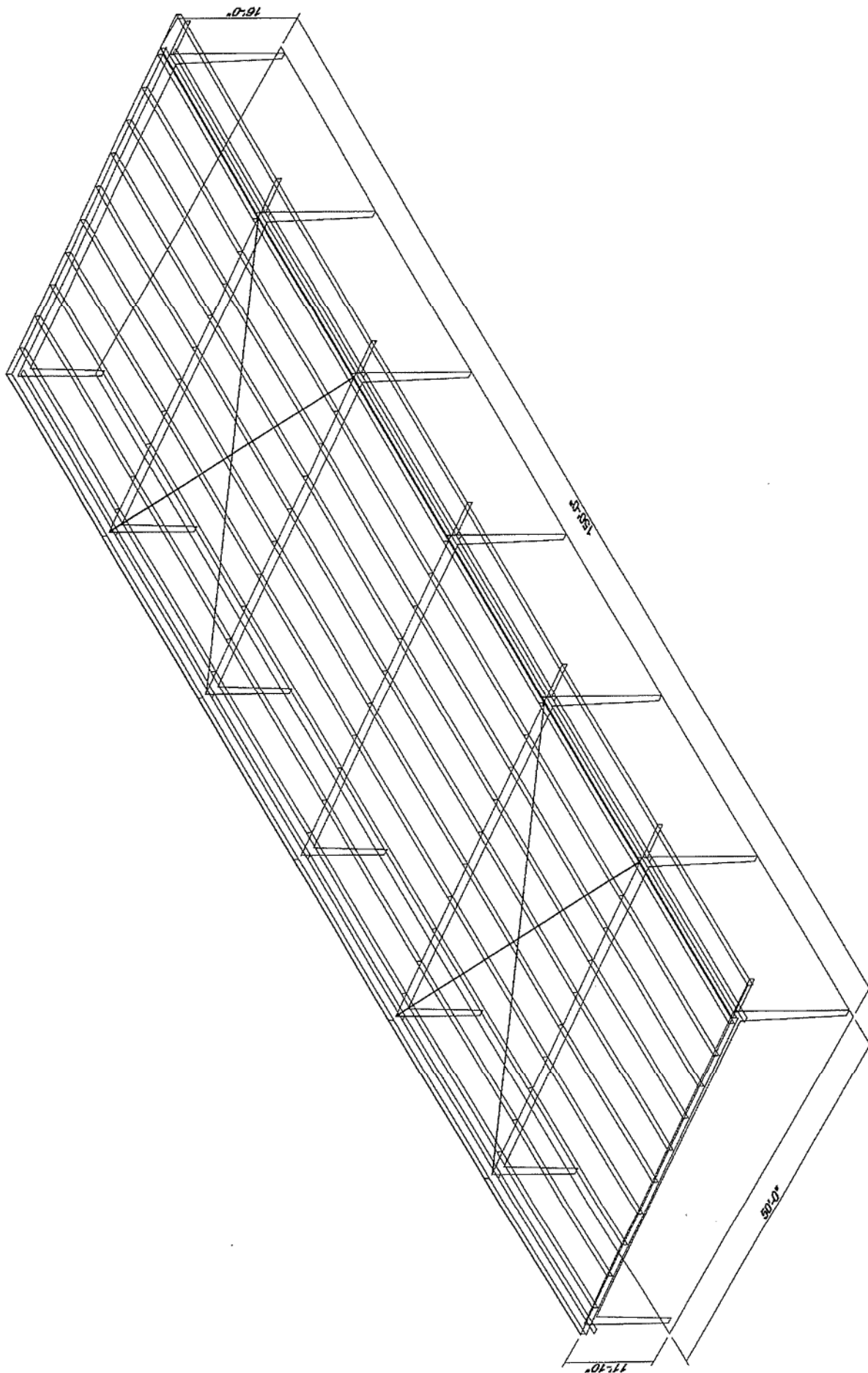
FOOTING SCHEDULE				
FND MARK	FND SIZE (L x B x D)	REINFORCING		TOP OF FOOTING
		TOP, E.W.	BOTT, E.W.	
F1	3'-0" x 3'-0" x 2'-0"	NA	(4)~#5's	100'-0"
F2	4'-0" x 4'-0" x 2'-0"	NA	(5)~#5's	100'-0"



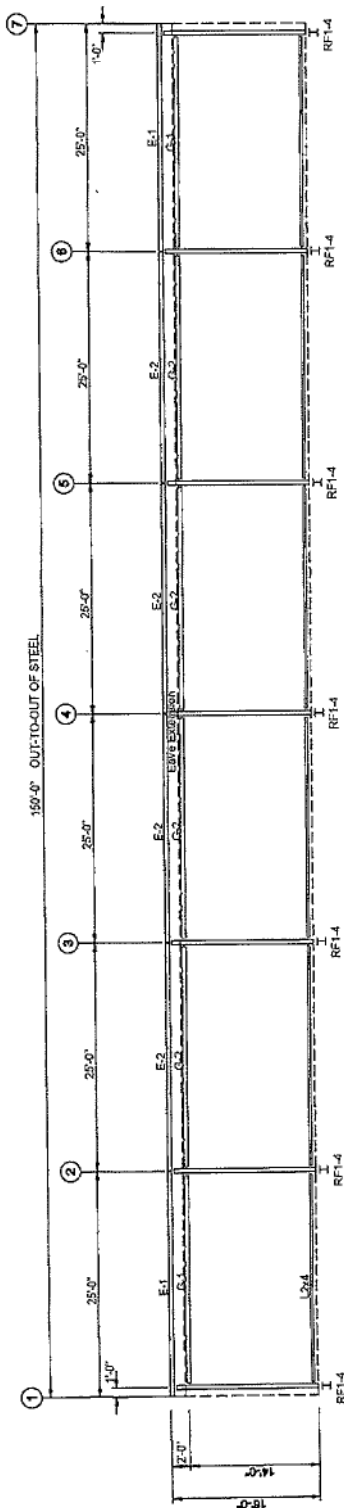
CONCRETE

- ALL CONCRETE WORK SHALL CONFORM TO ACI 301-18, "SPECIFICATIONS FOR BUILDINGS", EXCEPT AS NOTED BELOW. REFER TO CHAPTER 16 OF ACI 301 FOR REPORTS FROM TESTS THAT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER, ARCHITECT, OWNER, ANY APPLICABLE CONTRACTORS, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.
- CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 308R-16 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 308R-16 "COLD WEATHER CONCRETING".
- CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 308R-10 "HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND VELOCITY SHALL BE ENTERED INTO NOMOGRAPH FIG. 2.15 TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.
- REBAR FABRICATION, PLACEMENT, SPlicing, ETC. SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 318, THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) HANDBOOK AND ANY OTHER APPLICABLE PUBLICATIONS.
- A SLUMP TEST SHALL BE PERFORMED BEFORE ANY HRWR IS ADDED.
- CONCRETE MATERIAL SPECIFICATION: 3000 PSF f'c BASED ON 28 DAYS STRENGTH.
- UNLESS OTHERWISE NOTED, REINFORCEMENT BARS TO HAVE MINIMUM CONCRETE COVER AS SHOWN BELOW:

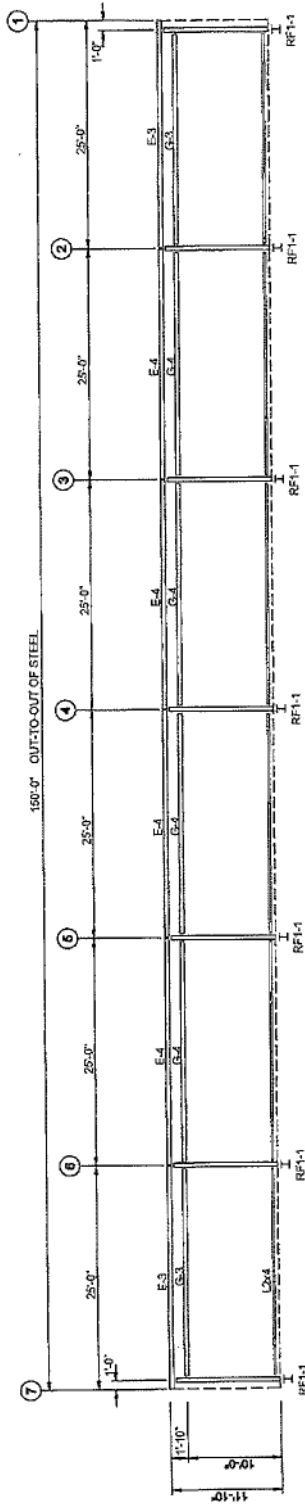
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3 INCHES
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#5 BARS AND SMALLER	1 1/2 INCHES
OTHER	2 INCHES
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
BEAM AND COLUMN BARS INCLUDING TIES, STIRRUPS AND SPIRALS	1 1/2 INCHES
SLABS, WALLS AND JOISTS:	
#11 BARS AND SMALLER	3/4 INCHES
OTHERS	1 1/2 INCHES
- ALL EXPOSED EDGES ARE TO BE CHAMFERED 3/4 INCH, UNO.
- LAP SPLICE LENGTHS TO BE OF CLASS "B" PER ACI.
- CONCRETE REINFORCEMENT SHALL CONFORM TO ASTM A615 OR A616, GRADE 60.
- ISOLATED COLUMN FOOTINGS HAVE BEEN DESIGNED WITH AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF, UPON ENCOUNTERING ANY ADVERSE SOIL CONDITIONS CONTACT THE STRUCTURAL ENGINEER.
- DO NOT CAST CONCRETE AGAINST WATER OR FROZEN WATER.



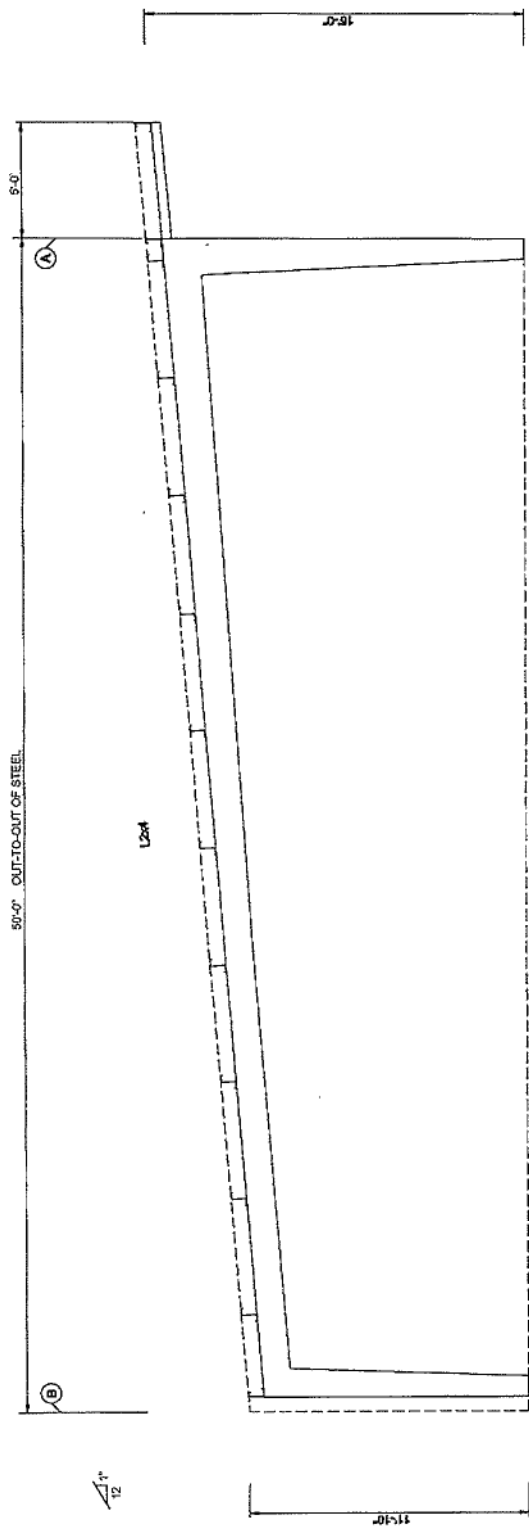
MEMBER TABLE			
FRAME LINE A & B			
MARK	PART	LENGTH	
E-1	BEAM	24'-11 1/2"	
E-2	BEAM	24'-11 1/2"	
E-3	BEAM	24'-11 1/2"	
E-4	BEAM	24'-11 1/2"	
G-1	COL	23'-3 1/2"	
G-2	COL	23'-3 1/2"	
G-3	COL	23'-3 1/2"	
G-4	COL	23'-3 1/2"	



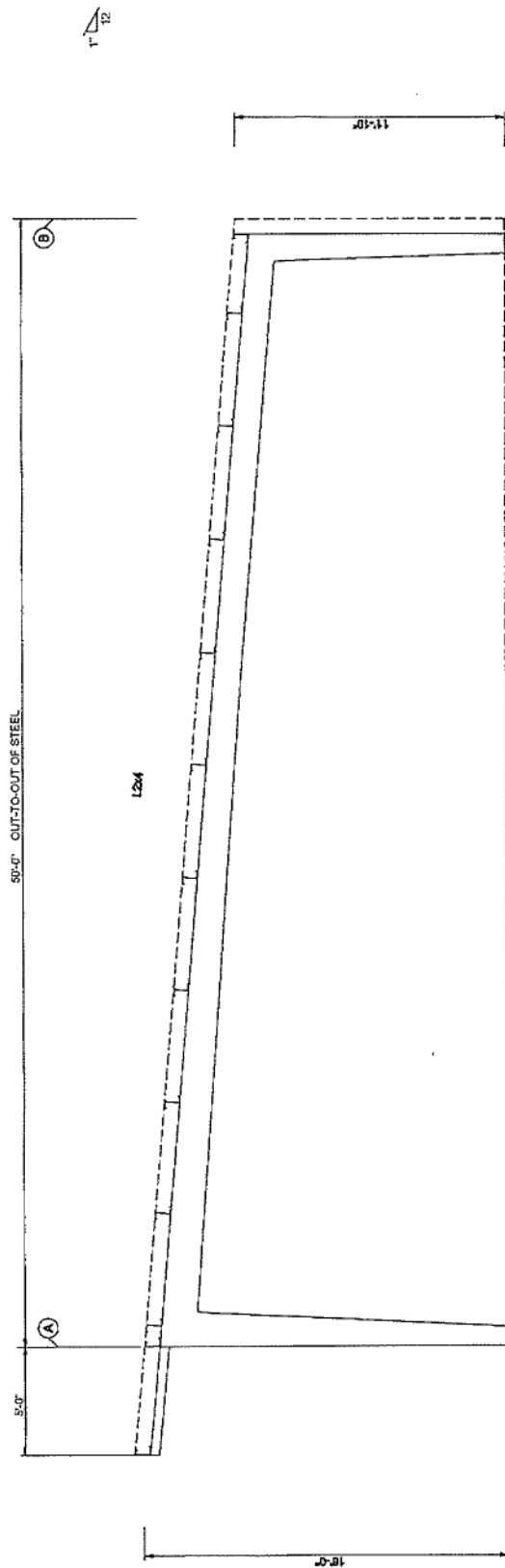
SIDEWALL FRAMING: FRAME LINE A



SIDEWALL FRAMING: FRAME LINE B



ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 7