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

BUILDING LOADS / DESCRIPTION:

WIDTH: 30 LENGTH: 60 HEIGHT: 11 /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.

SITE CLASS: D

OCCUPANCY CATEGORY: II - Normal

SEISMIC DESIGN CATEGORY: B

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:	B	
ROOF SNOW LOAD:	0	PSF	INTERNAL PRESSURE COEFF.:		
GROUND SNOW LOAD:	0	PSF		0.18 / -0.18	
BASIC WIND SPEED:	120	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:

WIND LOAD	___	1.00
SNOW LOAD	___	1.0000
SEISMIC LOAD	___	1.00

DESIGN BASE SHEAR, V:

EXPANDED FORMULA	0.667*Ie*Fa*Ss*W/R
LONGITUDINAL	0.76
TRANSVERSE	0.44

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: Need Sill Poly Color

TRIM COLORS:

CABLE: Need Sill Poly Color

CORNER: Need Sill Poly Color

EAVE: Need Sill Poly Color

FRAMED OPENINGS: Need Sill Poly Color

LINER PANELS:

COLOR: N/A

LINER TRIM:

COLOR: N/A

DEFLECTION LIMTS:

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 RESPONSIBILE 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 ASSEMBLIED 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 MANUFAACTURER 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 INDICATIOIN 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.

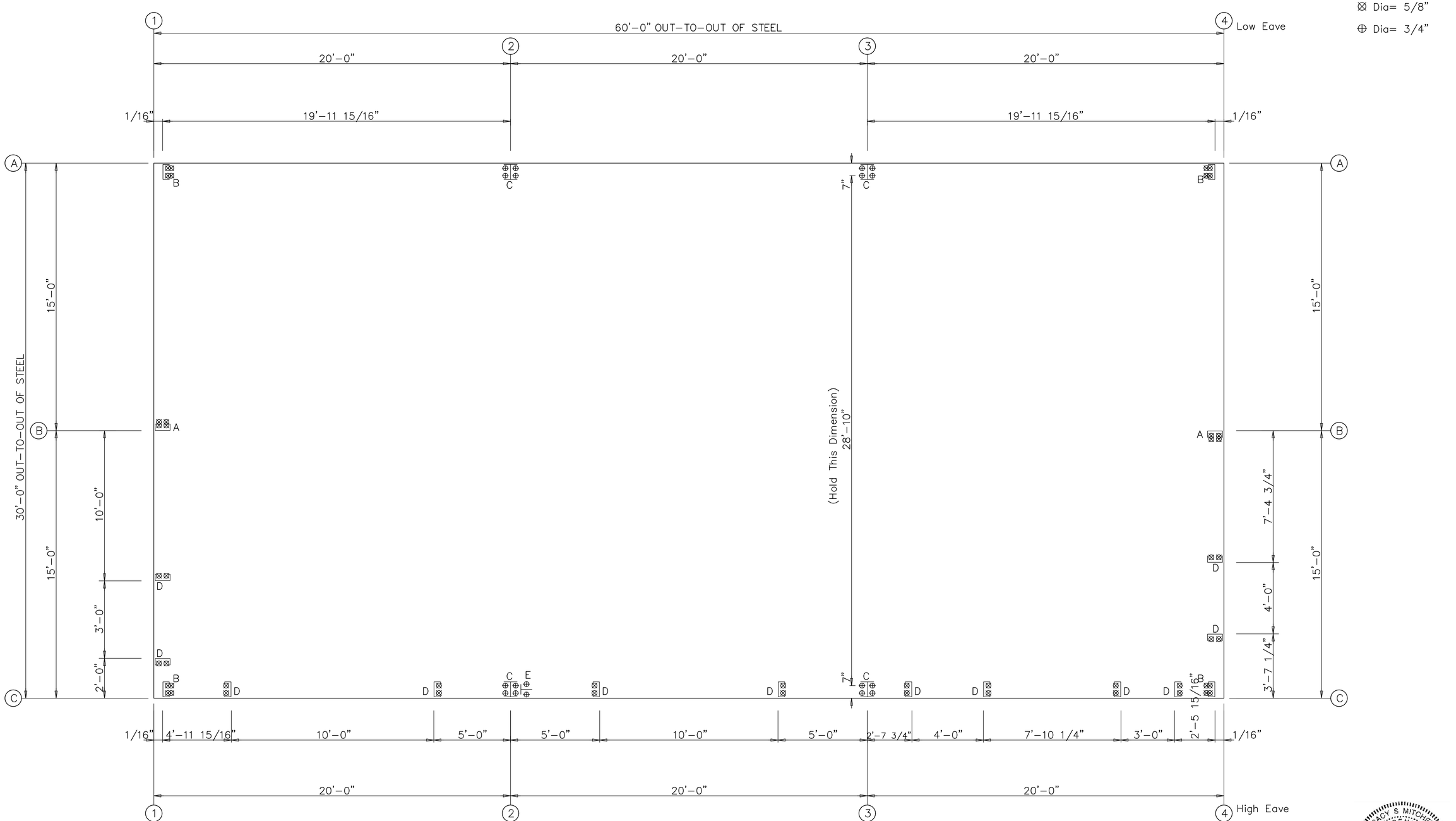
 Lake City, Fl. 32025

REV.	DATE	REVISION
1	01/10/22	FOR PERMIT

PURCHASER: Franks & Lane Heating & Air

PROJECT: Metal Building

JOB NUMBER: MarkLane30x60



ANCHOR BOLT PLAN

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

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Union LaSteel				
PROJECT	Metal Building	ANCHOR BOLT PLAN		
ID	MarkLane30x60	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 2 OF 13	

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	= 30.0
Length (ft)	= 60.0
Eave Height (ft)	= 11.0/ 16.0
Roof Slope (rise/12)	= 2.0
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)	= 120.0
Wind Code	= FBC 20 (IBC 18)
Exposure	= B
Closed/Open	= C
Importance Wind	= 1.00
Importance Seismic	= 1.00
Seismic Zone	= B
Seismic Coeff (Fa*Ss)	= 0.15

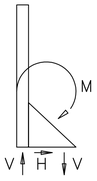
ID	Description
1	Dead+Collateral+Live
2	Dead+0.6Wind_Long2R
3	Dead+Collateral+0.75Live+0.45Wind_Left1
4	Dead+Collateral+0.75Live+0.45Wind_Right1
5	0.6Dead+0.6Wind_Left1
6	0.6Dead+0.6Wind_Right1
7	0.6Dead+0.6Wind_Left2
8	0.6Dead+0.6Wind_Right2
9	0.6Dead+0.6Wind_Long1L
10	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
11	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	1						67	9	
F_SW	C	2							(g)
R_EW	4						70	9	
B_SW	A	3,2	1.5	0.7	0.2	0.1			

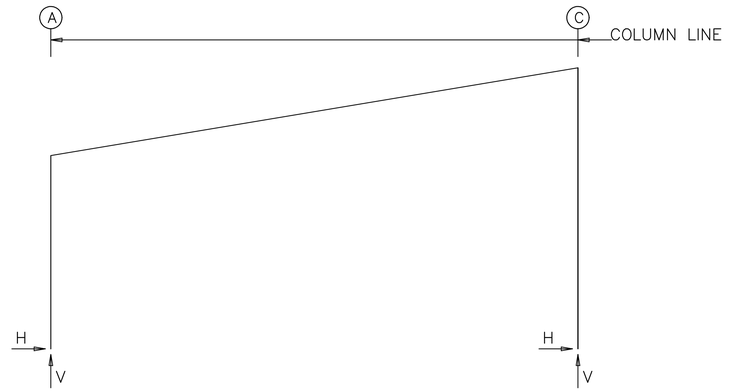
(g)Wind column at column line

WIND COLUMN REACTIONS



Wall Loc	Wall Line	Col Line	R/L	Load_ID	± Reactions Horz (k)	Vert (k)	Moment (f-k)	Anc_Bolt Qty	Anc_Bolt Dia	Base_Plate(in) Width	Length	Thick
F_SW	C	2	R	Wind	2.3	30.7	35.8	2	0.750	8.000	10.500	0.750
				Seismic	0.6	7.2	8.4					

FRAME LINES: 2 3



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

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
2*	A	4	2.2	2.8	7	−2.3	−1.8	4	0.750	8.000	9.94	0.375	0.0
		1	1.5	4.7	5	−2.0	−3.3						
2*	C	8	2.0	−1.7	3	−1.5	2.2	4	0.750	8.000	9.94	0.625	0.0
		2	−0.6	17.3	9	0.1	−21.4						

2* Frame lines: 2 3

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
2*	A	0.2	0.9	0.1	0.3	1.1	3.5	−3.6	−6.4	2.3	−2.2	−4.1	−3.9
2*	C	−0.2	1.0	−0.1	0.3	−1.1	4.3	−0.7	−5.3	3.4	−6.2	−0.2	−3.0

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
2*	A	2.1	0.2	0.2	−6.2	0.4	−4.4	−0.1	−0.1	0.1	0.1	0.0	−0.3
2*	C	3.6	−3.8	0.3	−36.7	−0.6	−34.2	0.0	0.1	0.0	−0.1	0.0	−9.0

2* Frame lines: 2 3

ENDWALL COLUMN REACTIONS(k)

MAXIMUM VERTICAL Dead+Collateral+Live	= 4.2
MAXIMUM VERTICAL Dead+Wind	= −3.0
MAXIMUM HORIZONTAL Dead+Wind	= 1.5

ANCHOR BOLT SUMMARY

	Qty	Locate	Dia (in)	Type	Proj (in)
⊠	24	Jamb	5/8"	A307	3.00
⊠	24	Endwall	5/8"	A307	3.00
⊕	16	Frame	3/4"	A307	3.00
⊕	2	WindCol	3/4"	A307	3.00

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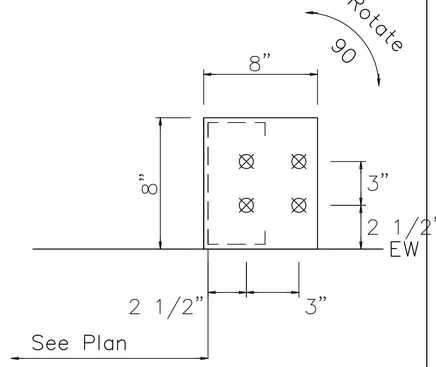
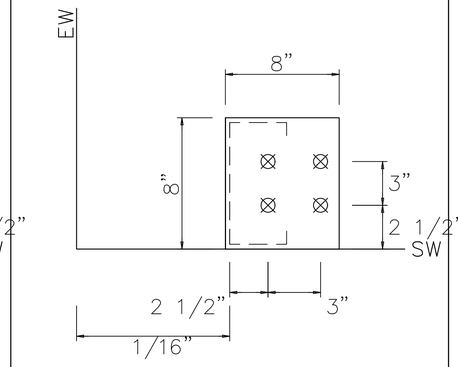
Union LaSteel			
PROJECT	Metal Building	ANCHOR BOLT REACTIONS	
ID	MarkLane30x60	DESIGN: DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 3 OF 13

Dia= 5/8"



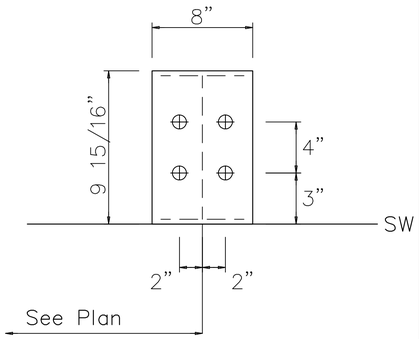
DETAIL A

Dia= 5/8"



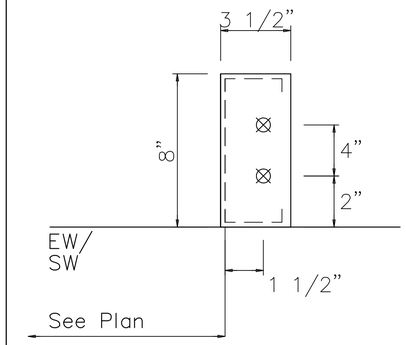
DETAIL B

Dia= 3/4"



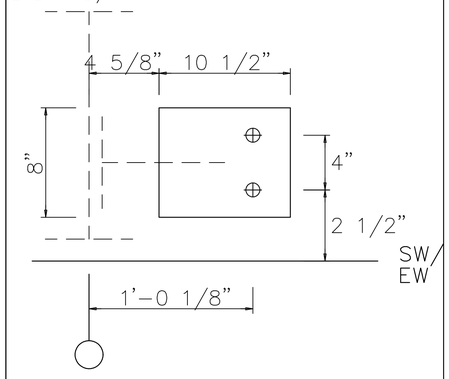
DETAIL C

Dia= 5/8"



DETAIL D

Dia= 3/4"



DETAIL E

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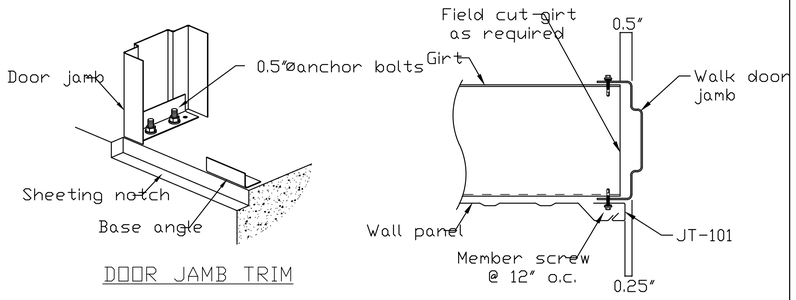
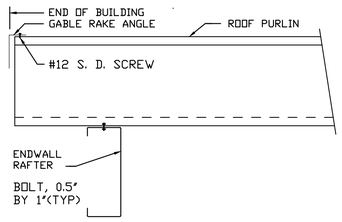
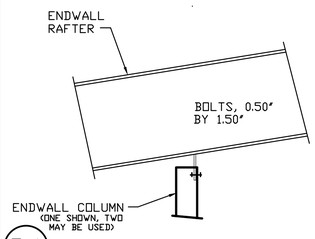


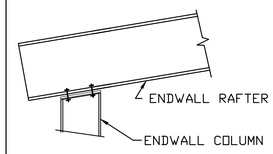
DOOR JAMB TRIM



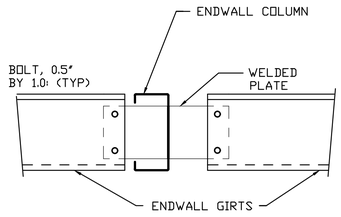
A1 SECTION THRU ENDWALL RAFTER



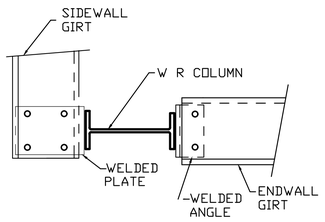
B4 ENDWALL RAFTER TO COLUMN



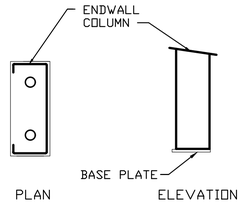
B16 CORNER COLUMN TO ENDWALL RAFTER



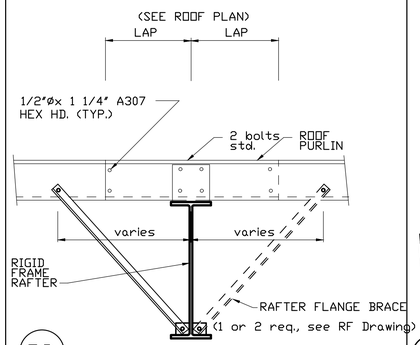
C4 ENDWALL COLUMN TO WALL GIRT



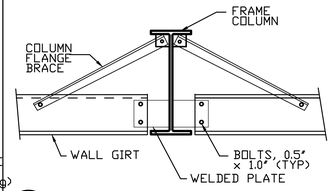
D17 CORNER COLUMN TO WALL GIRT



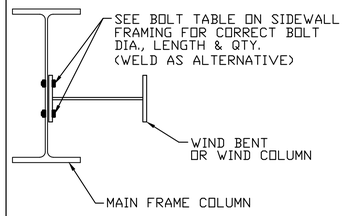
E5 BASE PLATE TO ENDWALL COLUMN OR DOOR JAMB



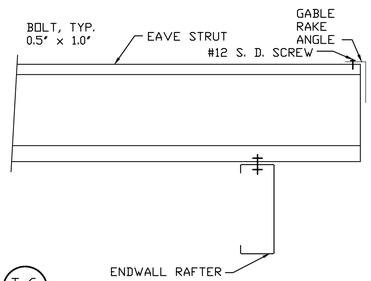
G2 TYPICAL SECTION THROUGH PURLIN LAP



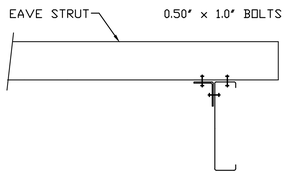
H6 WALL GIRT TO FRAME COLUMN



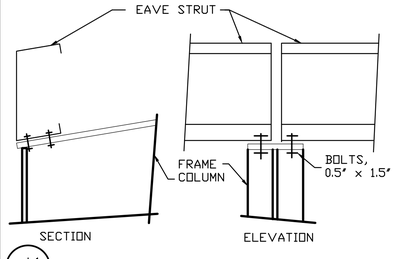
H9 PORTAL COLUMN TO MAIN FRAME COLUMN CONNECTION



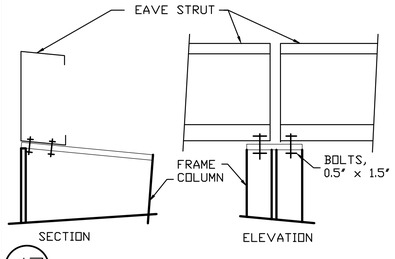
I6 EAVE STRUT TO ENDWALL RAFTER



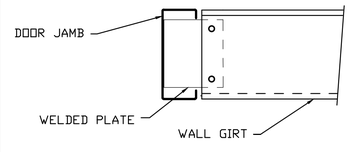
I19 EAVE STRUT TO ENDWALL RAFTER



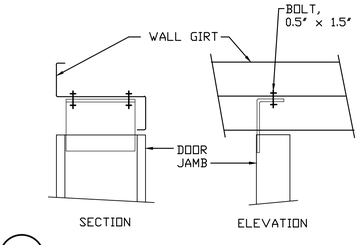
J1 EAVE STRUT TO RIGID FRAME



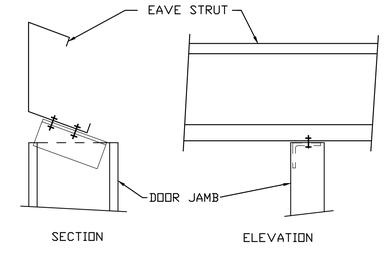
J7 EAVE STRUT TO RIGID FRAME



K3 WALL GIRT TO DOOR JAMB



L8 FRAMED OPENING TO WALL GIRT



L16 DOOR JAMB TO EAVE STRUT

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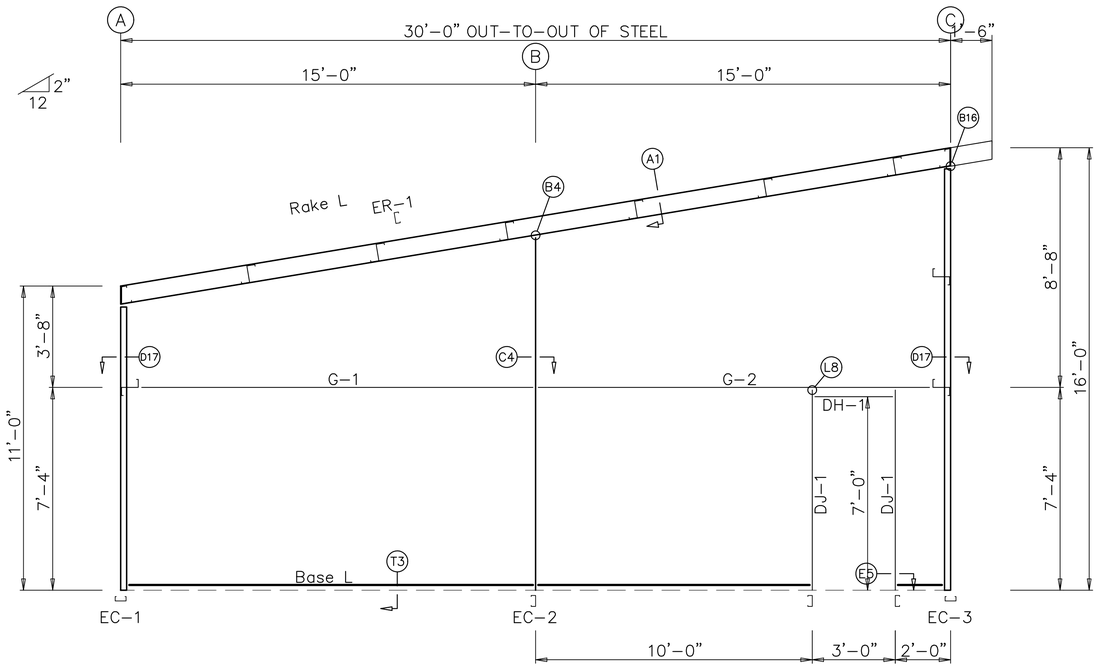
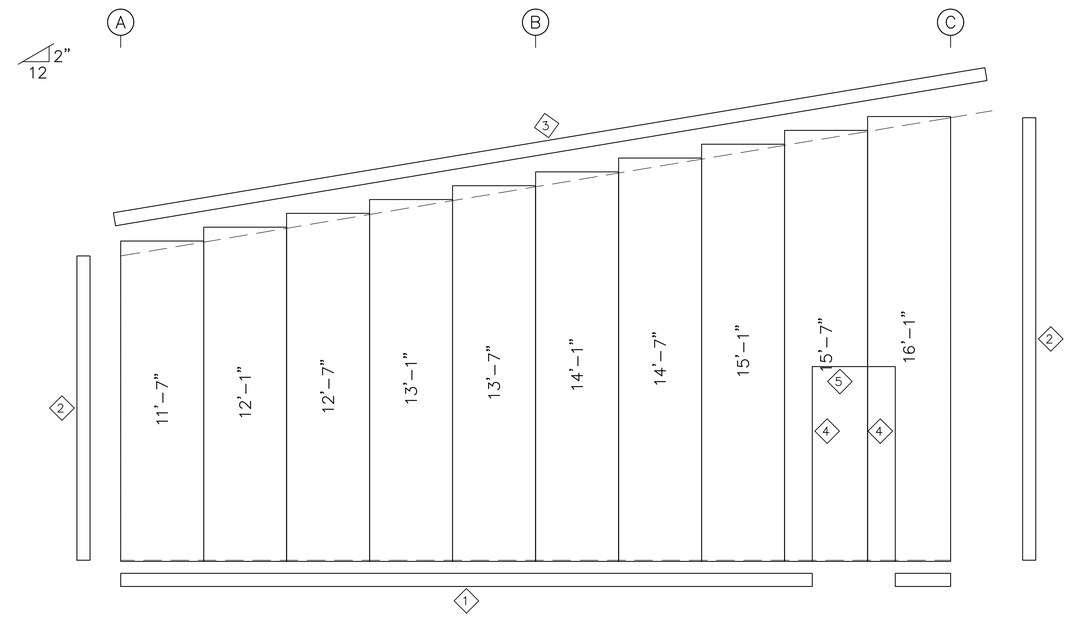
PROJECT	Metal Building	STRUCTURAL DETAILS		
ID	MarkLane30x60	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 5 OF 13	



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. SX – Need Sill Poly Color

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
Cor_Column/Raf	2	A325	5/8"	2"
EC-2/ER-1	2	A325	5/8"	1 1/2"

TRIM TABLE
FRAME LINE 1

◇ID	PART	LENGTH	DETAIL
1	BT-101	10'-3"	TRIM_68
2	CT-102	10'-3"	TRIM_323
3	RT-101	10'-3"	TRIM_229
4	JT-101	10'-3"	TRIM_401
5	HT-101	10'-3"	TRIM_232

MEMBER TABLE
FRAME LINE 1

MARK	PART	LENGTH
EC-1	8X35C16	10'-3 3/16"
EC-2	8X35C16	12'-7 5/8"
EC-3	8X35C16	15'-1 7/8"
ER-1	10X35C14	31'-7 7/8"
DJ-1	8X35C16	7'-4"
DH-1	8X35C16	3'-0"
G-1	8X25Z16	13'-11 3/4"
G-2	8X25Z16	14'-3 1/2"

TRACY S MITCHELL
LICENSE
No 79115
01-10-2022
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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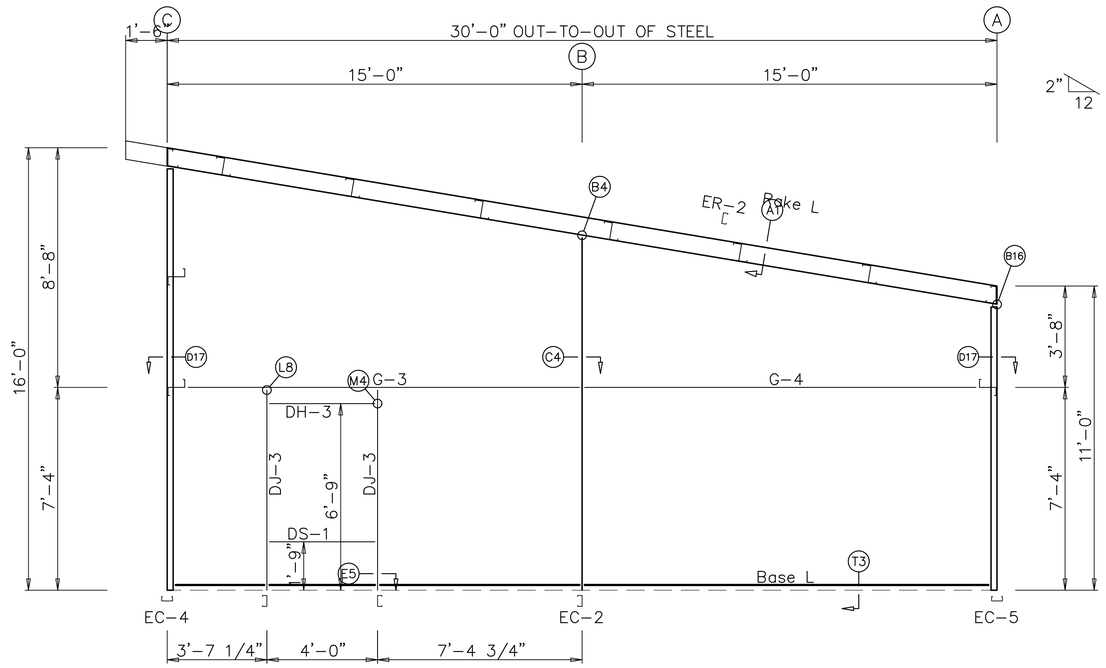
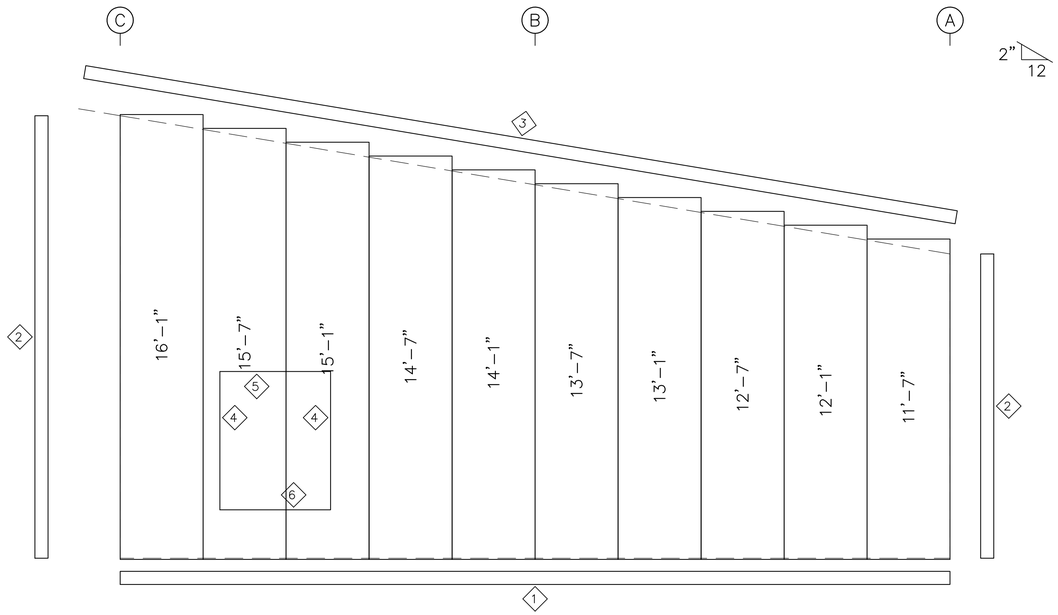
ID	MarkLane30x60	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 6 OF 13	



ENDWALL FRAMING: FRAME LINE 4



ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Ga. SX – Need Sill Poly Color

BOLT TABLE FRAME LINE 4				
LOCATION	QUAN	TYPE	DIA	LENGTH
Cor_Column/Raf EC-2/ER-2	2	A325	5/8"	2"
	2	A325	5/8"	1 1/2"

TRIM TABLE FRAME LINE 4			
◇ID	PART	LENGTH	DETAIL
1	BT-101	10'-3"	TRIM_68
2	CT-102	10'-3"	TRIM_323
3	RT-101	10'-3"	TRIM_229
4	JT-101	10'-3"	TRIM_239
5	HT-101	10'-3"	TRIM_232
6	MT-113	10'-3"	TRIM_261

MEMBER TABLE FRAME LINE 4		
MARK	PART	LENGTH
EC-2	8X35C16	12'-7 5/8"
EC-4	8X35C16	15'-1 7/8"
EC-5	8X35C16	10'-3 3/16"
ER-2	10X35C14	32'-0 15/16"
DJ-3	8X35C16	7'-4"
DH-3	8X35C16	4'-0"
DS-1	8X35C16	4'-0"
G-3	8X25Z16	13'-11 3/4"
G-4	8X25Z16	14'-3 1/2"

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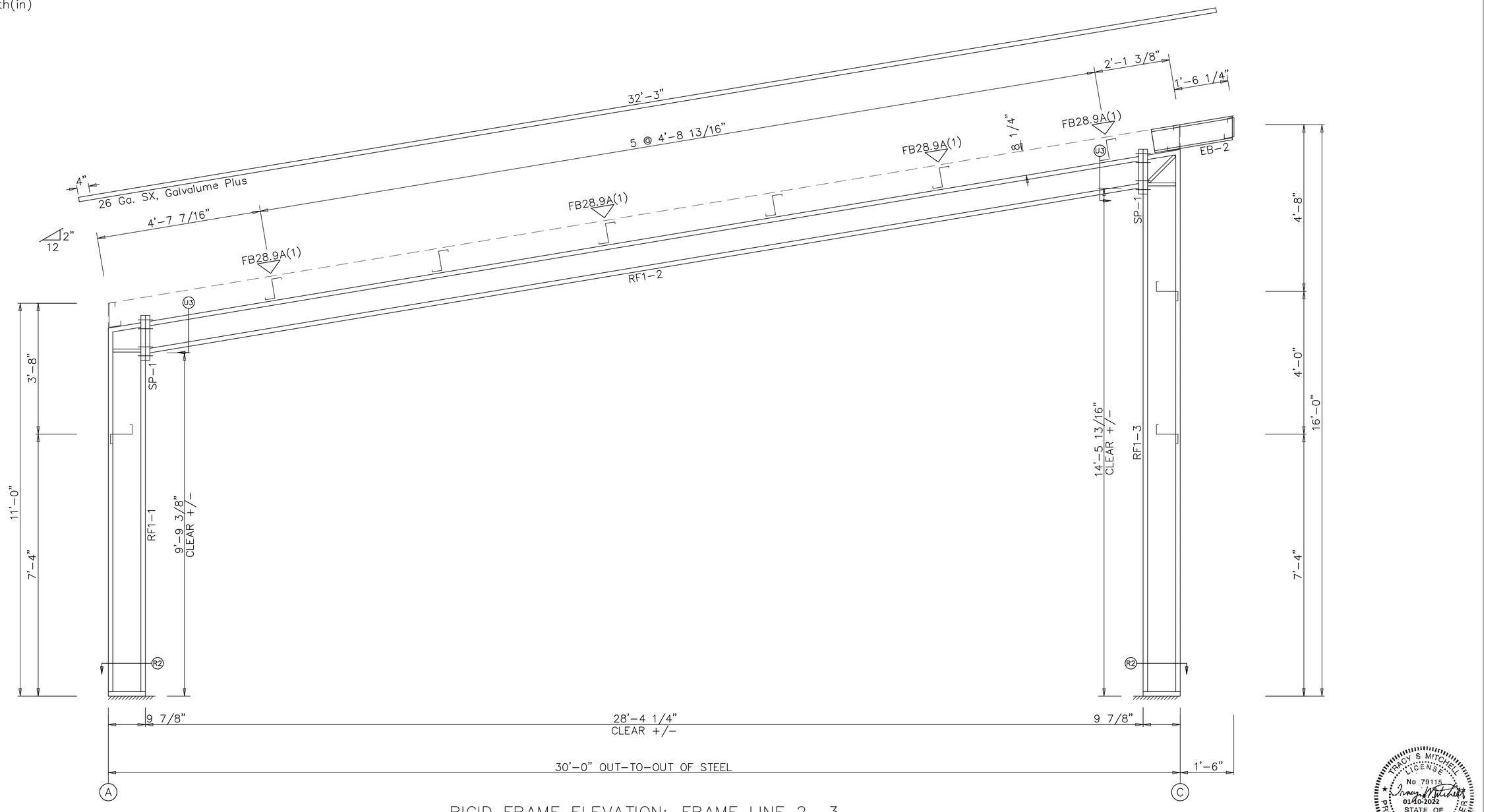
ID	MarkLane30x60	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 7 OF 13	

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

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF1-1	W10X12	10'-3 5/8"
RF1-2	W8X10	28'-8 3/8"
RF1-3	W10X12	15'-3 5/8"
EB-2	W8X10	2'-4 1/8"

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



RIGID FRAME ELEVATION: FRAME LINE 2 3

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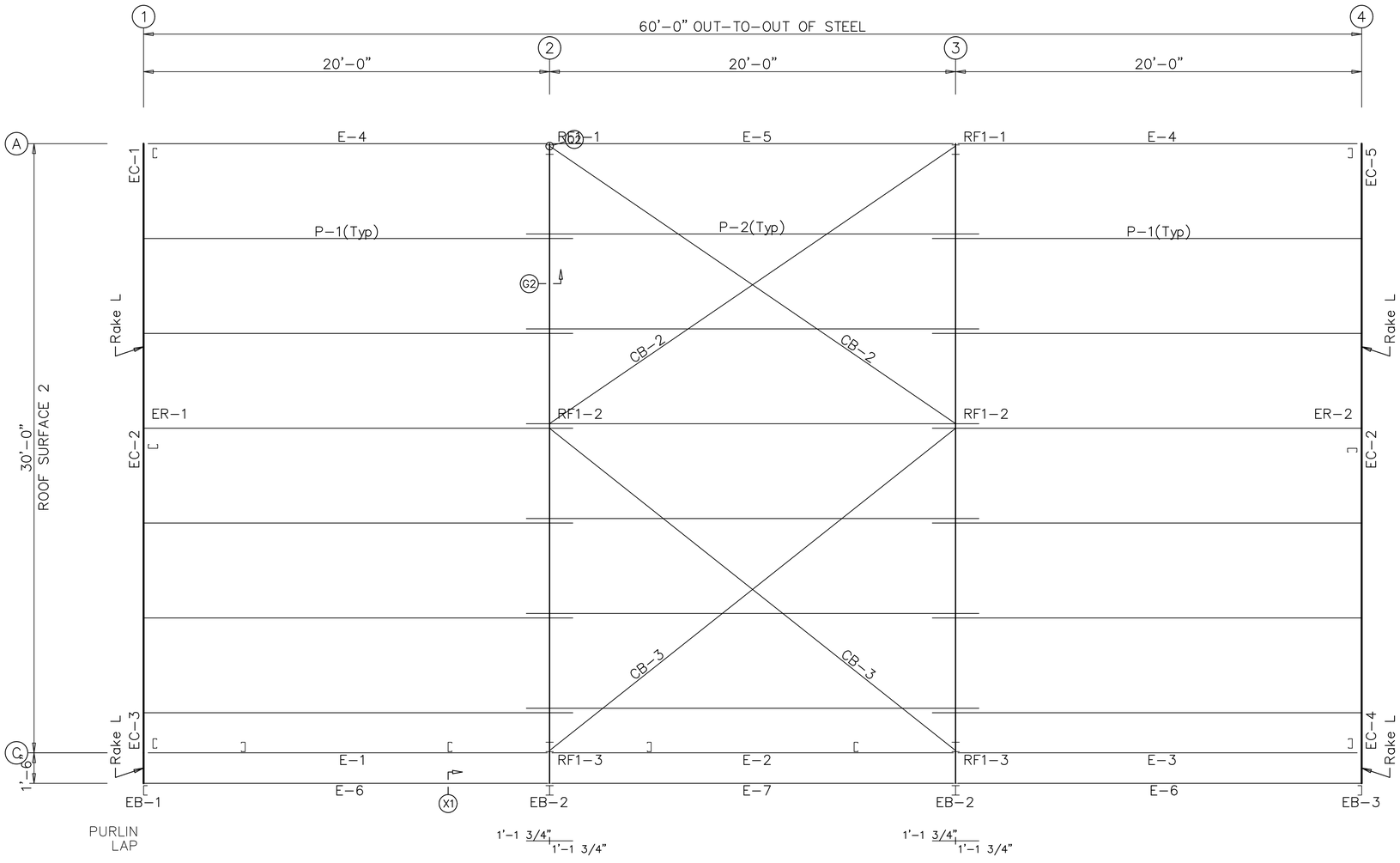
PROJECT	Metal Building	RIGID FRAME ELEVATION		
ID	MarkLane30x60	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 8 OF 13	

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

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
EB-1	8X2CH16	3'-7 5/8"
EB-2	W8X10	2'-4 1/8"
EB-3	8X2CH16	3'-7 5/8"
P-1	8X25Z16	20'-9 7/16"
P-2	8X25Z16	22'-3 1/2"
E-1	E085342H	19'-3 7/16"
E-2	E085342H	19'-3 1/2"
E-3	E085342H	19'-3 7/16"
E-4	E085342L	19'-7 7/16"
E-5	E085342L	19'-11 1/2"
E-6	E085342H	19'-7 1/2"
E-7	E085342H	19'-3 1/2"
CB-2	0.25_CBL	22'-7 1/2"
CB-3	0.25_CBL	23'-9 1/4"



ROOF SHEETING

PANELS: 26 Ga. SX Galvalume Plus

ROOF FRAMING PLAN

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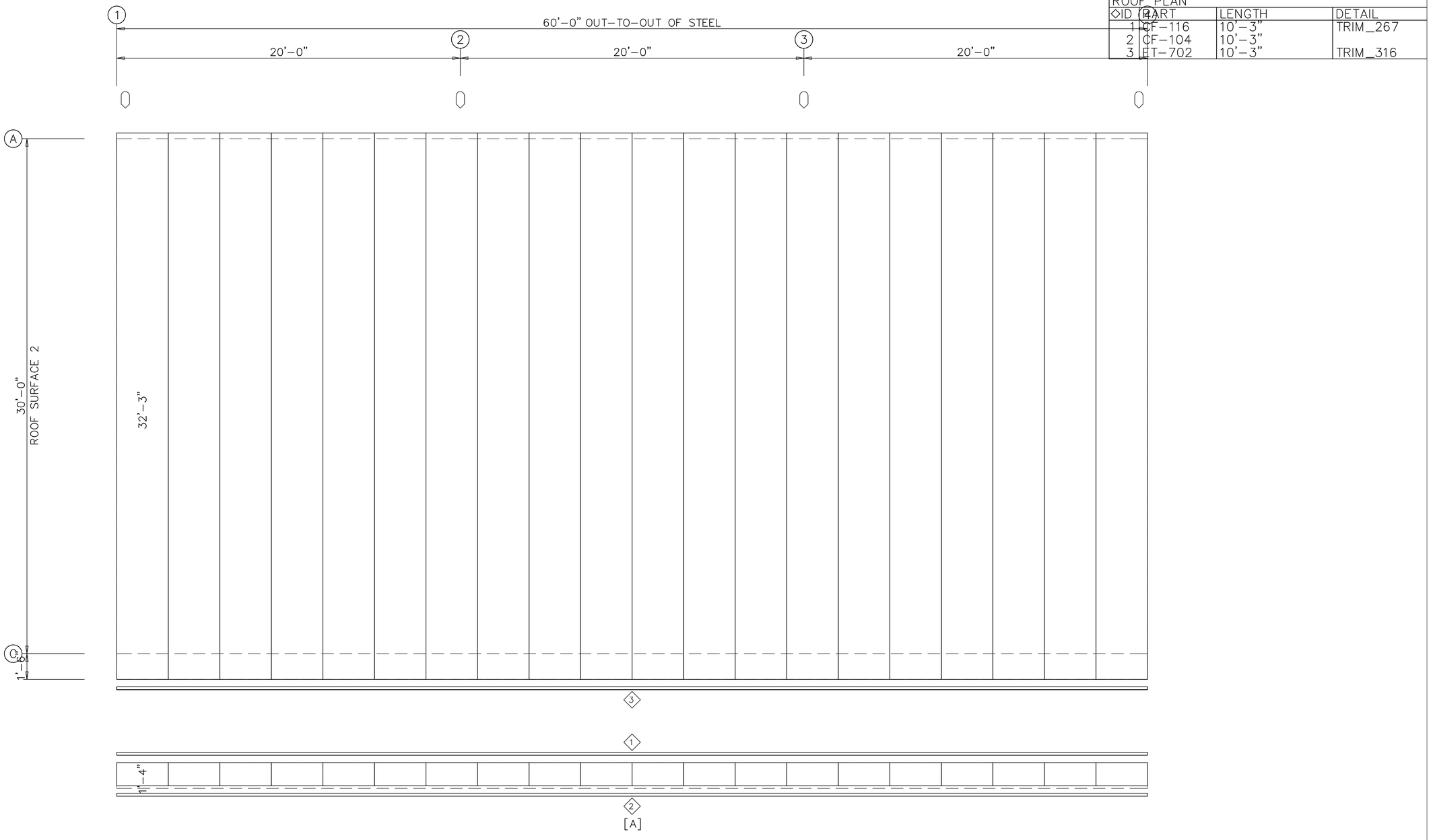
PROJECT	Metal Building	ROOF FRAMING		
ID	MarkLane30x60	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 9 OF 13	

DOWNSPOUT LOCATIONS



TRIM TABLE ROOF PLAN			
◇ID	PART	LENGTH	DETAIL
1	CF-116	10'-3"	TRIM_267
2	CF-104	10'-3"	
3	ET-702	10'-3"	TRIM_316

ROOF SHEETING PLAN

PANELS: 26 Ga. SX – Galvalume Plus
[A] SOFFIT PANELS: 26 Ga. SX – Need Sill Poly Color

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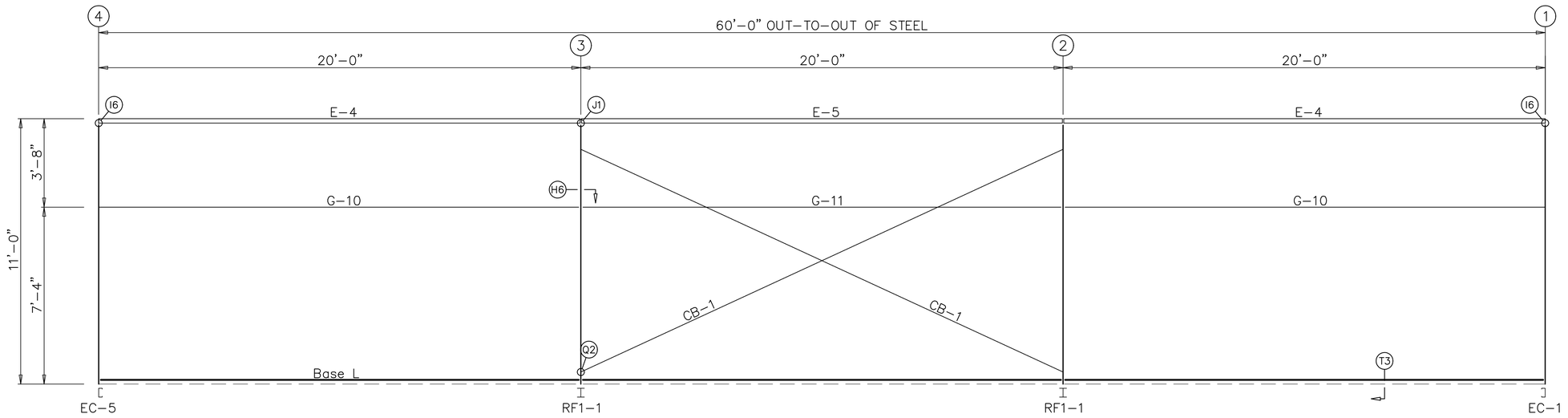
ID	MarkLane30x60	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 10 OF 13	

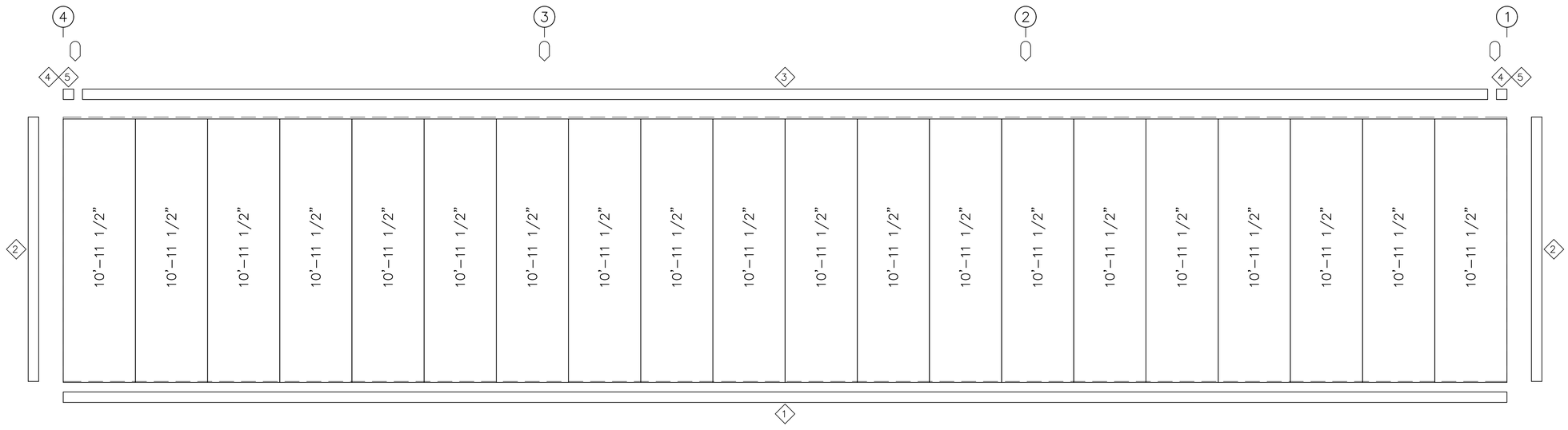
DOWNSPOUT LOCATIONS

TRIM TABLE FRAME LINE A			
◇ID	PART	LENGTH	DETAIL
1	BT-101	10'-3"	TRIM_68
2	CT-102	10'-3"	TRIM_323
3	GU-121	20'-3"	
4	EC-122	6"	
5	SCB	6"	

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
E-4	E085342L	19'-7 7/16"
E-5	E085342L	19'-11 1/2"
G-10	8X25Z16	19'-4 5/16"
G-11	8X25Z16	19'-5 1/4"
CB-1	0.25_CBL	20'-8 1/2"



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. SX – Need Sill Poly Color

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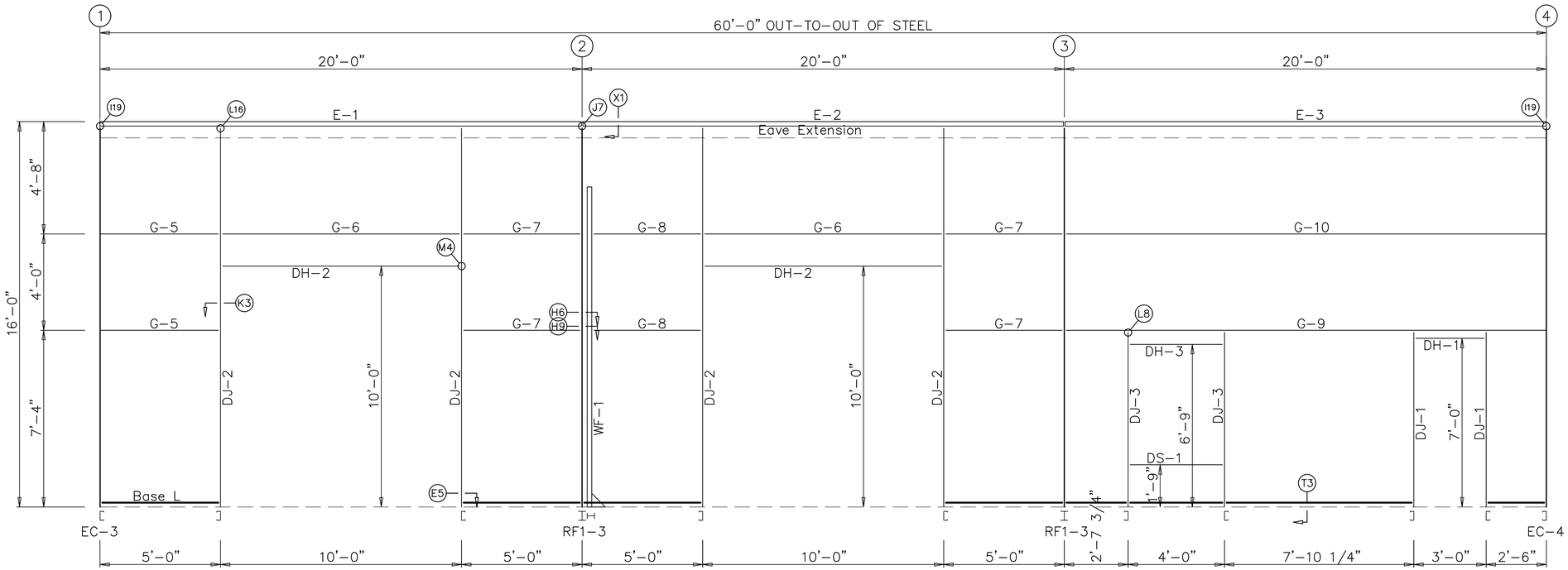
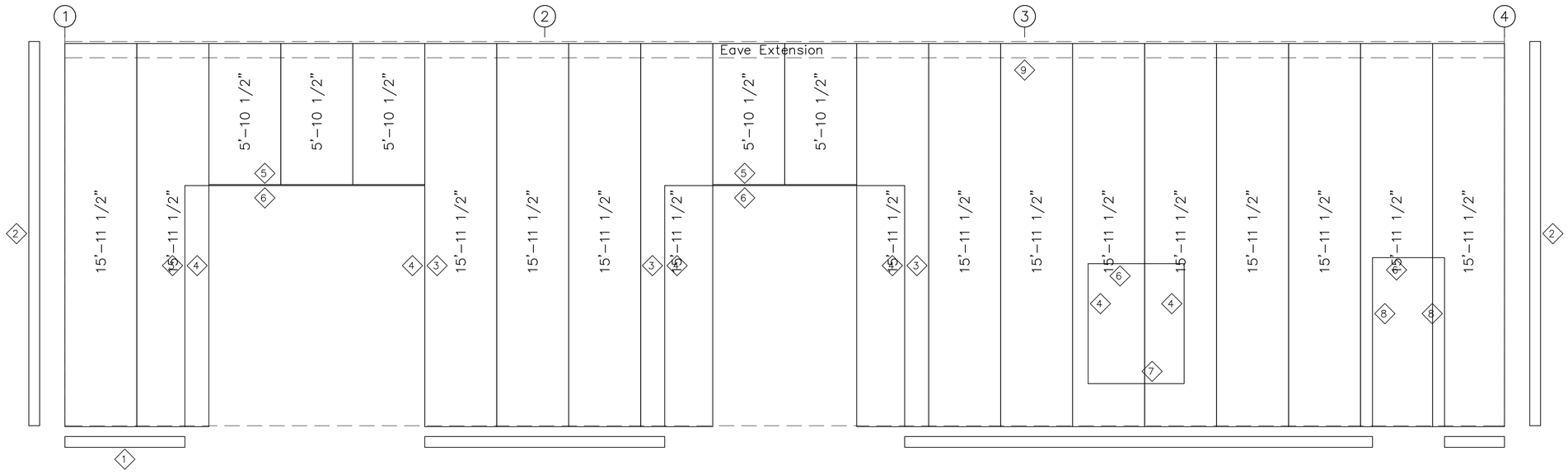
PROJECT	Metal Building	SIDEWALL FRAMING		
ID	MarkLane30x60	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 11 OF 13	



SIDEWALL FRAMING: FRAME LINE C



SIDEWALL SHEETING & TRIM: FRAME LINE C

PANELS: 26 Ga. SX – Need Sill Poly Color

BOLT TABLE
FRAME LINE C

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 – RF1-3	10	A325	5/8"	1 3/4"

TRIM TABLE
FRAME LINE C

◇ID	PART	LENGTH	DETAIL
1	BT-101	10'-3"	TRIM_68
2	CT-102	10'-3"	TRIM_323
3	MT-116B	10'-3"	TRIM_242
4	JT-101	10'-3"	TRIM_239
5	MT-116B	10'-3"	TRIM_235
6	HT-101	10'-3"	TRIM_232
7	MT-113	10'-3"	TRIM_261
8	JT-101	10'-3"	TRIM_401
9	CF-116	10'-3"	TRIM_267

MEMBER TABLE
FRAME LINE C

MARK	PART	LENGTH
WF-1	W08542	13'-6"
DJ-1	8X35C16	7'-4"
DJ-2	8X35C16	15'-3 7/8"
DJ-3	8X35C16	7'-4"
DH-1	8X35C16	3'-0"
DH-2	8X35C16	10'-0"
DH-3	8X35C16	4'-0"
DS-1	8X35C16	4'-0"
E-1	E085342H	19'-3 7/16"
E-2	E085342H	19'-3 1/2"
E-3	E085342H	19'-3 7/16"
G-5	8X25Z16	4'-3 7/16"
G-6	8X25Z16	9'-11 1/2"
G-7	8X25Z16	4'-4 3/8"
G-8	8X25Z16	3'-11 1/2"
G-9	8X25Z16	19'-4 5/16"
G-10	8X25Z16	19'-4 5/16"

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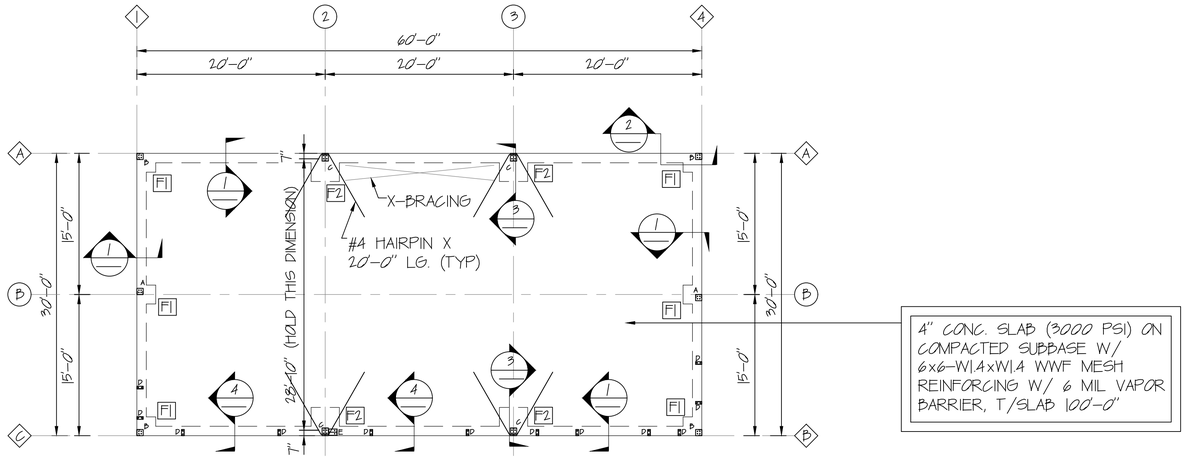
PROJECT	Metal Building	SIDEWALL FRAMING		
ID	MarkLane30x60	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	Lake City, Fl	DATE: 1/ 7/22	SHEET 12 OF 13	



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.)

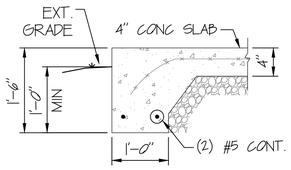
FOOTING SCHEDULE				
FND MARK	FND SIZE (L x B x D)	REINFORCING TOP, E.W.	REINFORCING BOTT, E.W.	TOP OF FOOTING
F1	2'-0"x2'-0"x2'-0"	NA	(3)#5's	100'-0"
F2	3'-0"x3'-0"x2'-0"	NA	(4)#5's	100'-0"

CONCRETE

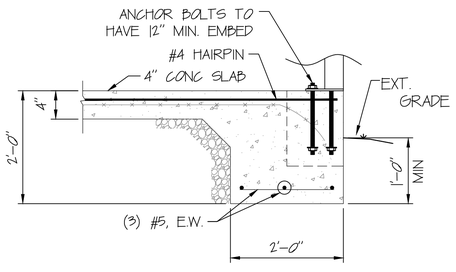
1. ALL CONCRETE WORK SHALL CONFORM TO ACI 301-16, "SPECIFICATIONS FOR BUILDINGS", EXCEPT AS NOTED BELOW. REFER TO CHAPTER 16 OF ACI 301 FOR REPORTS FROM TESTS THAT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER, ARCHITECT, OWNER, ANY APPLICABLE CONTRACTORS, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.
2. CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306R-16 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R-16 "COLD WEATHER CONCRETING".
3. CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305R-10 "HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND VELOCITY SHALL BE ENTERED INTO NOMOGRAPH FIG. 2.1.5 TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.
4. 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.
5. A SLUMP TEST SHALL BE PERFORMED BEFORE ANY HRWR IS ADDED.
6. CONCRETE MATERIAL SPECIFICATION: 3000 PSF f'c BASED ON 28 DAYS STRENGTH.
7. 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	1½ INCHES
OTHER	2 INCHES
CONCRETE NOT EXPOSED TO EARTH OR WEATHER: BEAN AND COLUMN BARS INCLUDING TIES, STIRRUPS AND SPIRALS	1½ INCHES
SLABS, WALLS AND JOISTS:	
#11 BARS AND SMALLER	¾ INCHES
OTHERS	1½ INCHES

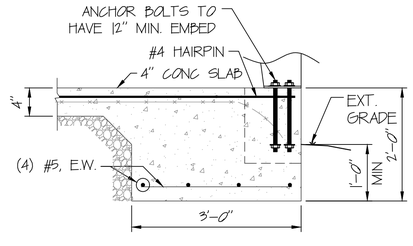
8. ALL EXPOSED EDGES ARE TO BE CHAMFERED 3/4 INCH, U.N.O.
9. LAP SPLICE LENGTHS TO BE OF CLASS "B" PER ACI.
10. CONCRETE REINFORCEMENT SHALL CONFORM TO ASTM A615 OR A616, GRADE 60.
11. ISOLATED COLUMN FOOTINGS HAVE BEEN DESIGNED WITH AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF, UPON ENCOUNTERING ANY ADVERSE SOIL CONDITIONS CONTACT THE STRUCTURAL ENGINEER.
12. DO NOT CAST CONCRETE AGAINST WATER OR FROZEN WATER.



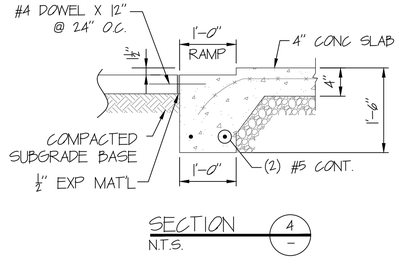
SECTION 1 N.T.S.



SECTION 2 N.T.S.



SECTION 3 N.T.S.



SECTION 4 N.T.S.

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PROJECT	Metal Building	FOUNDATION PLAN		
ID	MarkLane30x60	DESIGN: TSM	DRAFT: GSM	CHECK: TSM
PROJECT ADDRESS	Lake City, Fl 32025	DATE: 01/10/22	SHEET 13 OF 13	