FIERCE STEEL STRUCTURES

162 SW Pinemount Rd, Lake City, FL 32024

BUILDING LOADS / DESCRIPTION:

WIDTH: 50 LENGTH: 80 HEIGHT: 12 /12
(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:	C		
ROOF SNOW LOAD:	0 PSF	INTERNAL PRESSURE COEFF.:			
GROUND SNOW LOAD:	0 PSF	0.18 / -0.18			
BASIC WIND SPEED:	119 MPH	SPECTRAL RESPONSE COEFF.		MAPPED SPECTRAL RESPONSE ACC.	
SEISMIC ZONE:	B	Sds	0.09	Ss	0.09
THERMAL FACTOR:	1.00	Sd1	0.08	St	0.05

IMPORTANCE FACTORS:

WIND LOAD	1.00	EXPANDED FORMULA	0.667*Ie*Fa*Ss*W/R
SNOW LOAD	1.0000	LONGITUDINAL	0.00
SEISMIC LOAD	1.00	TRANSVERSE	0.93

GENERAL NOTES:

1) MATERIALS :

	MINIMUM YIELD:
HOT ROLLED BAR	Fy = 50.0000 ksi MIN.
STRUCTURAL STEEL SHEET	Fy = 50.0000 ksi MIN.
STRUCTURAL STEEL PLATE	Fy = 50.0000 ksi MIN.
COLD FORMED SHAPES	Fy = 55.0000 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.

Digitally signed by: N. P. GEISLER
DN: CN = N. P. GEISLER C = US O = AR0007005 OU = ARCHITECT
Date: 2021.07.01 16: 42:54 -05'00'

ROOF PANELS:

COLOR: Galvalume Plus 25-yr

WALL PANELS:

COLOR: Need SMP Lifetime Color

TRIM COLORS:

CABLE: Need SMP Lifetime Color

CORNER: Need SMP Lifetime Color

EAVE: Need SMP Lifetime Color

FRAMED OPENINGS: Need SMP Lifetime Color

LINER PANELS:

COLOR: N/A

LINER TRIM:

COLOR: N/A

DEFLECTION LIMTS:

EW COL:	120
EW RAF LIVE:	180
EW RAF WIND:	180
WALL GIRT:	120
PURL LIVE:	150
PURL WIND:	150
WALL PANEL:	90
ROOF PANEL LIVE:	180
ROOF PANEL WIND:	120
RF HORIZONTAL:	100
RF VERTICAL:	200
WIND BENT:	75
RF CRANE:	100
RF SEIS:	75
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.

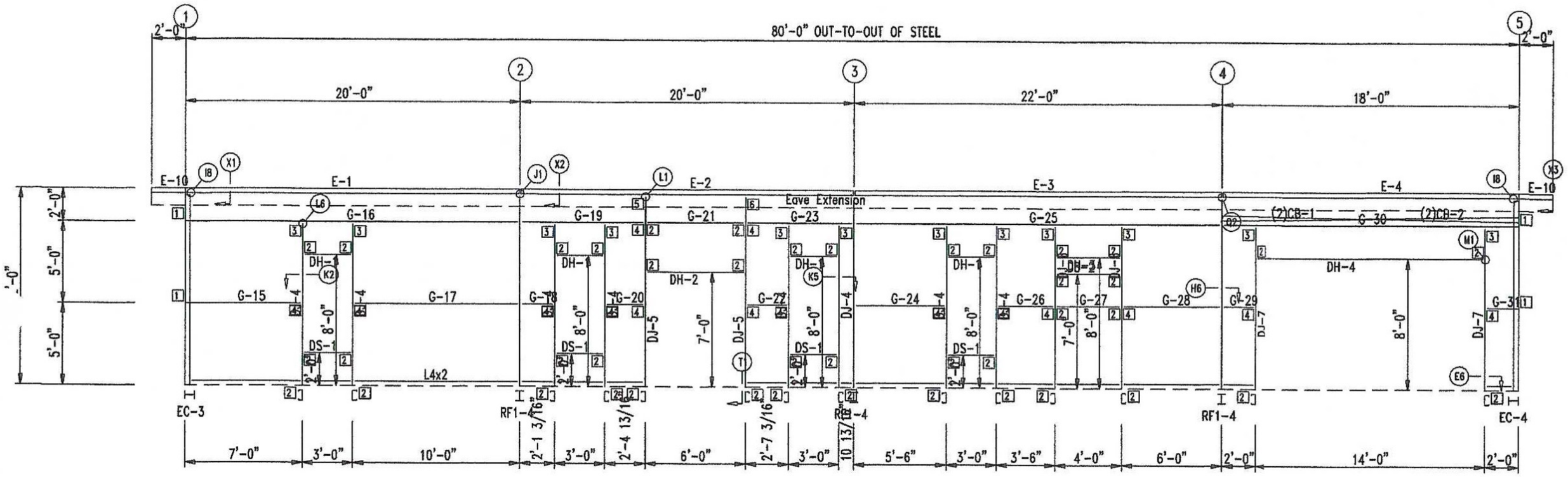
IMPORTANT NOTE: FINAL DETAILING, FABRICATION, AND DELIVERY DATE OF THIS PROJECT CANNOT BE COMPLETED UNTIL THE SIGNED APPROVALS ARE RETURNED TO THE METAL BUILDING MANUFACTURER.

REV.	DATE	REVISION
△		
△		
△		
B	../../..	FOR CONSTRUCTION
A	../../..	FOR APPROVAL

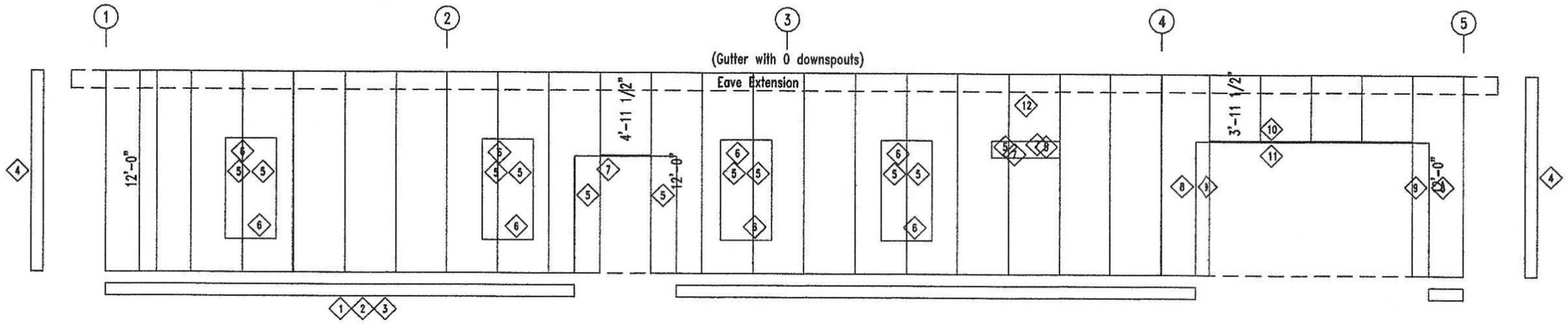
PURCHASER: CUSTOMER

PROJECT: ADAM & TARA JONES

JOB NUMBER: 14652



SIDEWALL FRAMING: FRAME LINE C



SIDEWALL SHEETING & TRIM: FRAME LINE C

PANELS: 26 Ga. RL – Need SMP Lifetime Color

MEMBER TABLE
FRAME LINE C

MARK	PART	LENGTH
DJ-4	C83516	9'-11 1/2"
DJ-5	C83516	11'-3 1/16"
DJ-6	C83516	9'-11 1/2"
DJ-7	C83516	9'-11 1/2"
DH-1	C82516	2'-11 1/2"
DH-2	C82516	5'-11 1/2"
DH-3	C82516	3'-11 1/2"
DH-4	C82516	13'-11 1/2"
DS-1	C82516	2'-11 1/2"
DS-2	C82516	3'-11 1/2"
E-1	08534DU4	19'-0"
E-2	08534DU4	19'-4"
E-3	08534DU4	21'-4"
E-4	08534DU4	17'-0"
E-10	08534DU4	1'-11 3/4"
G-15	C82516	6'-6 1/2"
G-16	C83514	19'-8 3/8"
G-17	C82516	9'-3 3/8"
G-18	C82516	1'-4 9/16"
G-19	C82516	6'-9 3/8"
G-20	C82516	1'-6 5/16"
G-21	C82516	5'-11 1/2"
G-22	C82516	1'-8 11/16"
G-23	C82516	5'-9 3/8"
G-24	C82516	4'-9 3/8"
G-25	C82512	21'-5 1/4"
G-26	C82516	2'-7 1/2"
G-27	C82516	3'-11 1/2"
G-28	C82516	5'-3 3/8"
G-29	C82516	1'-3 3/8"
G-30	C82516	17'-8 3/8"
G-31	C82516	1'-6 1/2"
CB-1	CB0250	16'-0 3/4"
CB-2	CB0250	15'-8 1/2"

TRIM TABLE
FRAME LINE C

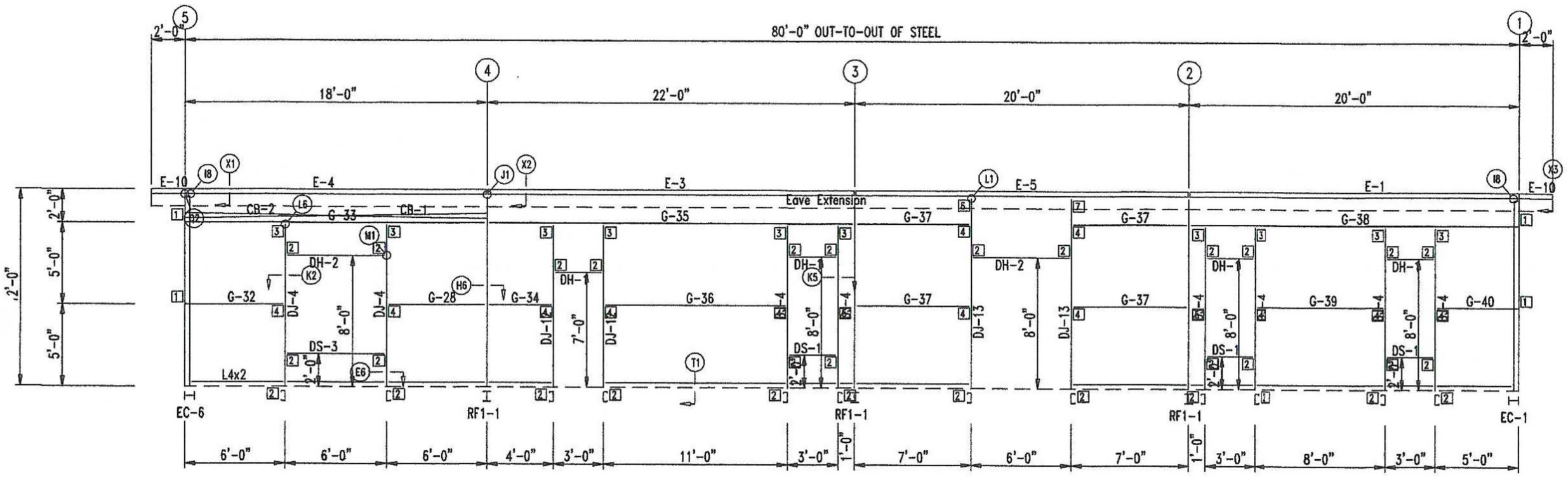
◇ID	PART	LENGTH
1	BA142	14'-2"
2	BA162	16'-2"
3	BA102	10'-2"
4	OU122	12'-2"
5	JA072	7'-2"
6	HE036	3'-6"
7	HE063	6'-3"
8	JH102	10'-2"
9	JA102	10'-2"
10	JH142	14'-2"
11	HE143	14'-3"
12	HE204	20'-4"

CONNECTION PLATES
FRAME LINE C

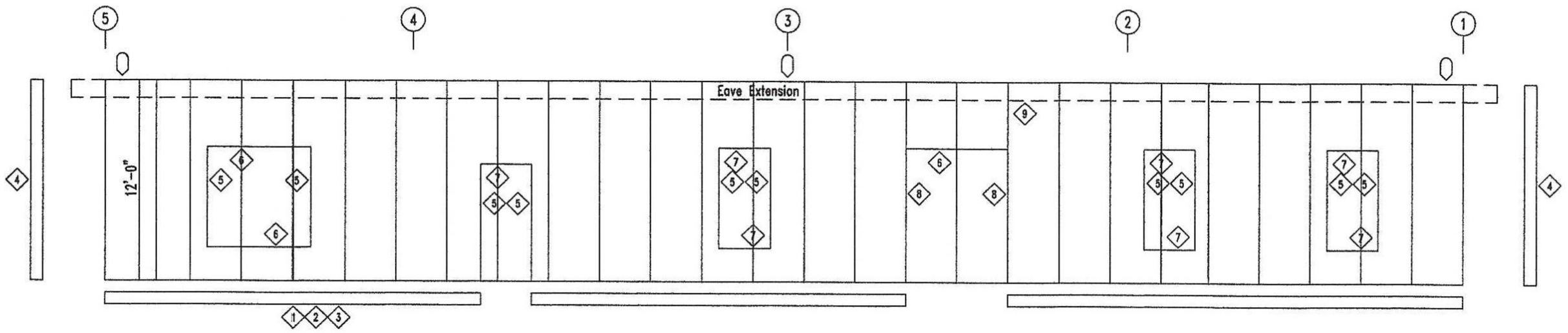
□ID	MARK/PART
1	SC-5
2	GIRTCLIP
3	j2
4	b3
5	e1
6	e2

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	SIDEWALL FRAMING		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF

DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. RL - Need SMP Lifetime Color

MEMBER TABLE
FRAME LINE A

MARK	PART	LENGTH
DJ-4	C83516	9'-11 1/2"
DJ-12	C83516	9'-11 1/2"
DJ-13	C83516	11'-3 1/16"
DH-1	C82516	2'-11 1/2"
DH-2	C82516	5'-11 1/2"
DS-1	C82516	2'-11 1/2"
DS-3	C82516	5'-11 1/2"
E-1	08534DU4	19'-0"
E-3	08534DU4	21'-4"
E-4	08534DU4	17'-0"
E-5	08534DU4	19'-4"
E-10	08534DU4	1'-11 3/4"
G-28	C82516	5'-3 3/8"
G-32	C82516	5'-6 1/2"
G-33	C82516	17'-8 3/8"
G-34	C82516	3'-3 3/8"
G-35	C82512	21'-5 1/4"
G-36	C82516	10'-1 1/2"
G-37	C82516	6'-3 3/8"
G-38	C82514	19'-8 3/8"
G-39	C82516	7'-1 1/2"
G-40	C82516	4'-6 1/2"
CB-1	CB0250	16'-0 3/4"
CB-2	CB0250	15'-8 1/2"

TRIM TABLE
FRAME LINE A

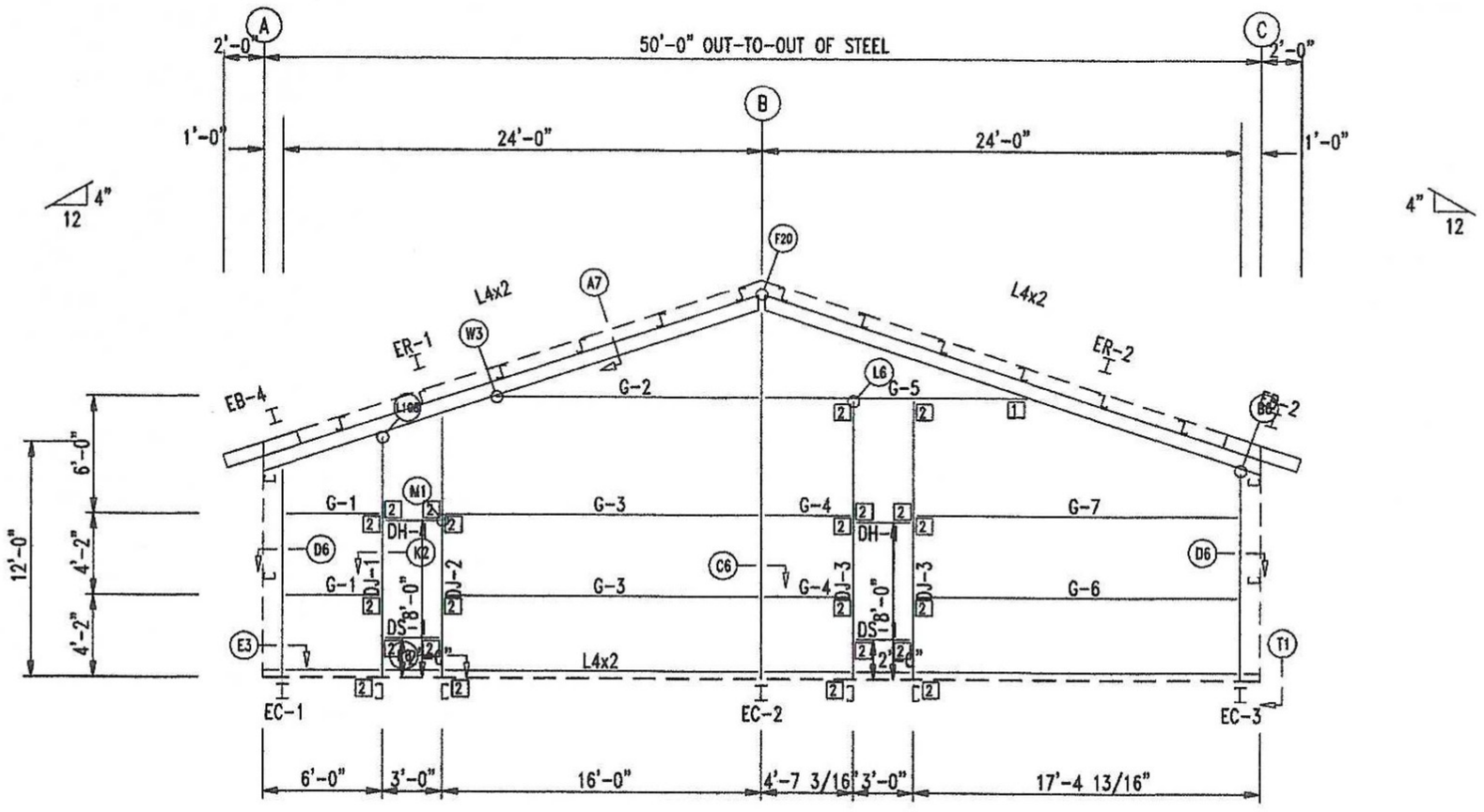
◇ID	PART	LENGTH
1	BA142	14'-2"
2	BA102	10'-2"
3	BA122	12'-2"
4	OU122	12'-2"
5	JA072	7'-2"
6	HE063	6'-3"
7	HE036	3'-6"
8	JA102	10'-2"
9	HE204	20'-4"

CONNECTION PLATES
FRAME LINE A

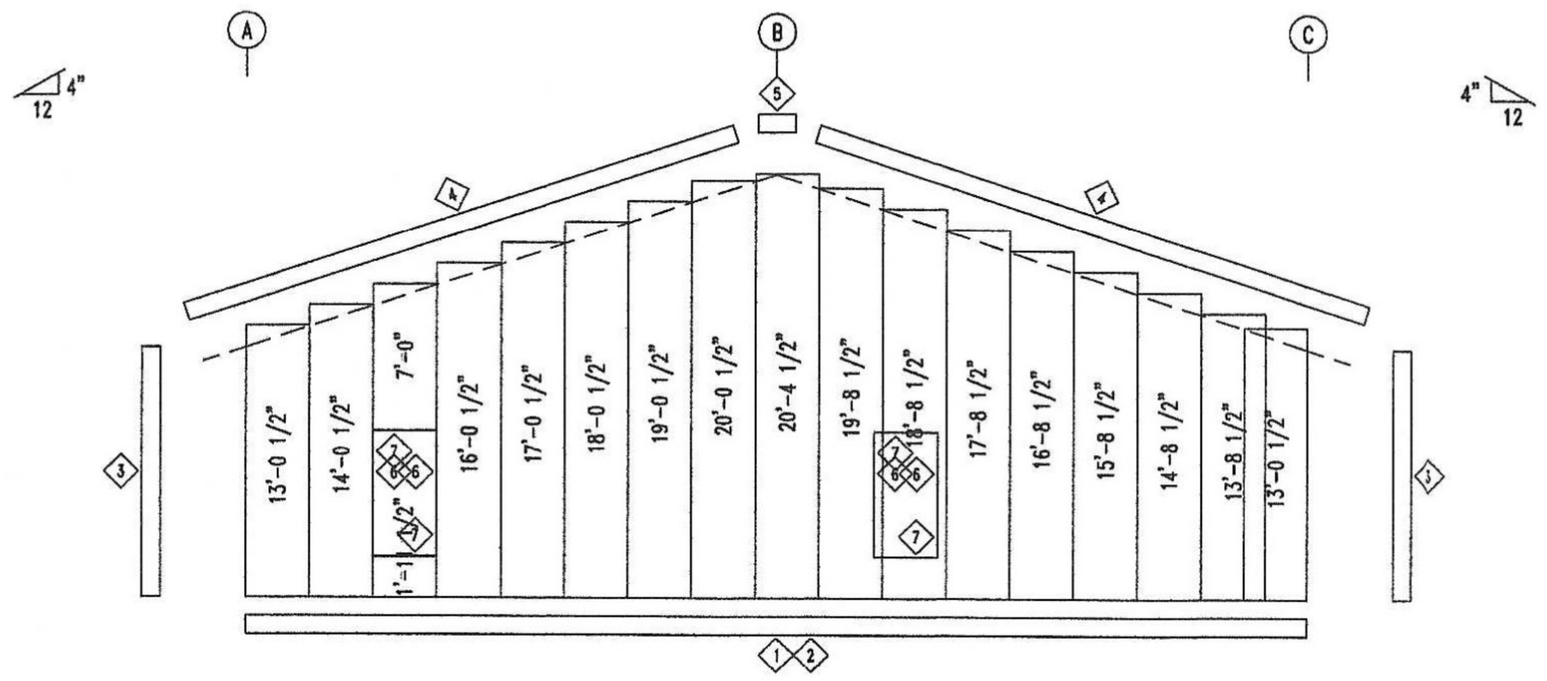
□ID	MARK/PART
1	SC-5
2	GIRTCLIP
3	j2
4	b3
5	b4
6	e1
7	e2

FIERCE STEEL STRUCTURES

PROJECT	ADAM & TARA JONES	SIDEWALL FRAMING		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. RL - Need SMP Lifetime Color

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	8	A325	1/2"	1 3/4"
Cor_Column/Raf	2	A325	5/8"	1 1/2"
EC-2/ER-2	2	A325	1/2"	1 1/2"

MEMBER TABLE
FRAME LINE 1

MARK	PART	LENGTH
EB-2	W8X10	2'-10 3/16"
EB-4	W8X10	2'-10 3/16"
EC-1	W8X10	10'-10 1/2"
EC-2	W8X10	18'-7"
EC-3	W8X10	10'-10 1/2"
ER-1	W8X18	26'-4 1/4"
ER-2	W8X18	26'-4 1/4"
DJ-1	C83516	12'-6 1/4"
DJ-2	C83516	13'-6 1/4"
DJ-3	C83514	13'-11 1/2"
DH-1	C82516	2'-11 1/2"
DS-1	C82516	2'-11 1/2"
G-1	Z82516	4'-3 3/4"
G-2	Z82514	13'-4 3/16"
G-3	Z82516	15'-3 3/4"
G-4	Z82516	3'-10 15/16"
G-5	Z82512	13'-4 3/16"
G-6	Z82516	15'-8 9/16"
G-7	Z82514	15'-8 9/16"

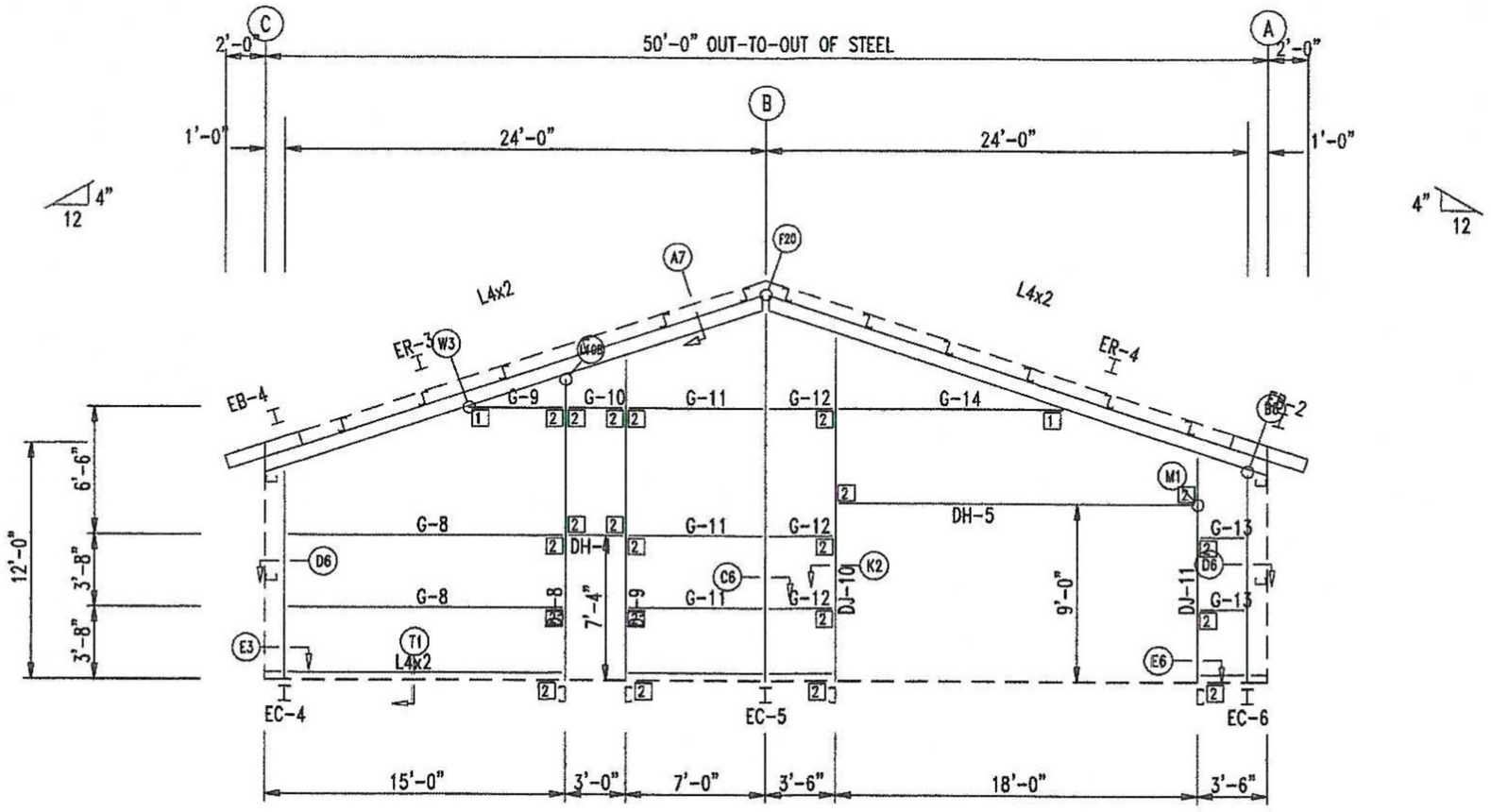
TRIM TABLE
FRAME LINE 1

◇ID	PART	LENGTH
1	BA142	14'-2"
2	BA182	18'-2"
3	OU122	12'-2"
4	HE143	14'-3"
5	SPECIAL5	10'-3"
6	JA072	7'-2"
7	HE036	3'-6"

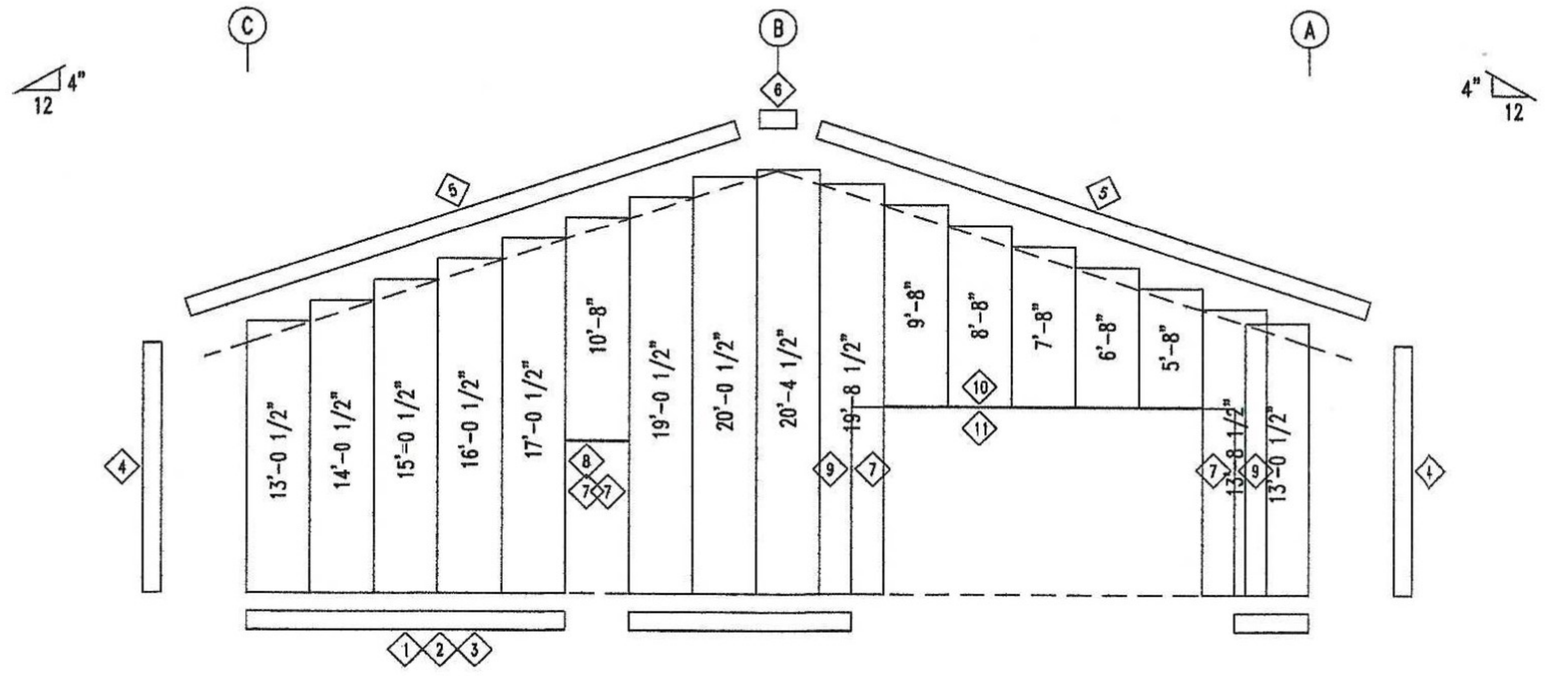
CONNECTION PLATES
FRAME LINE 1

□ID	MARK/PART
1	b1
2	GIRTCLIP

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ENDWALL FRAMING		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF



ENDWALL FRAMING: FRAME LINE 5



ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 Ga. RL - Need SMP Lifetime Color

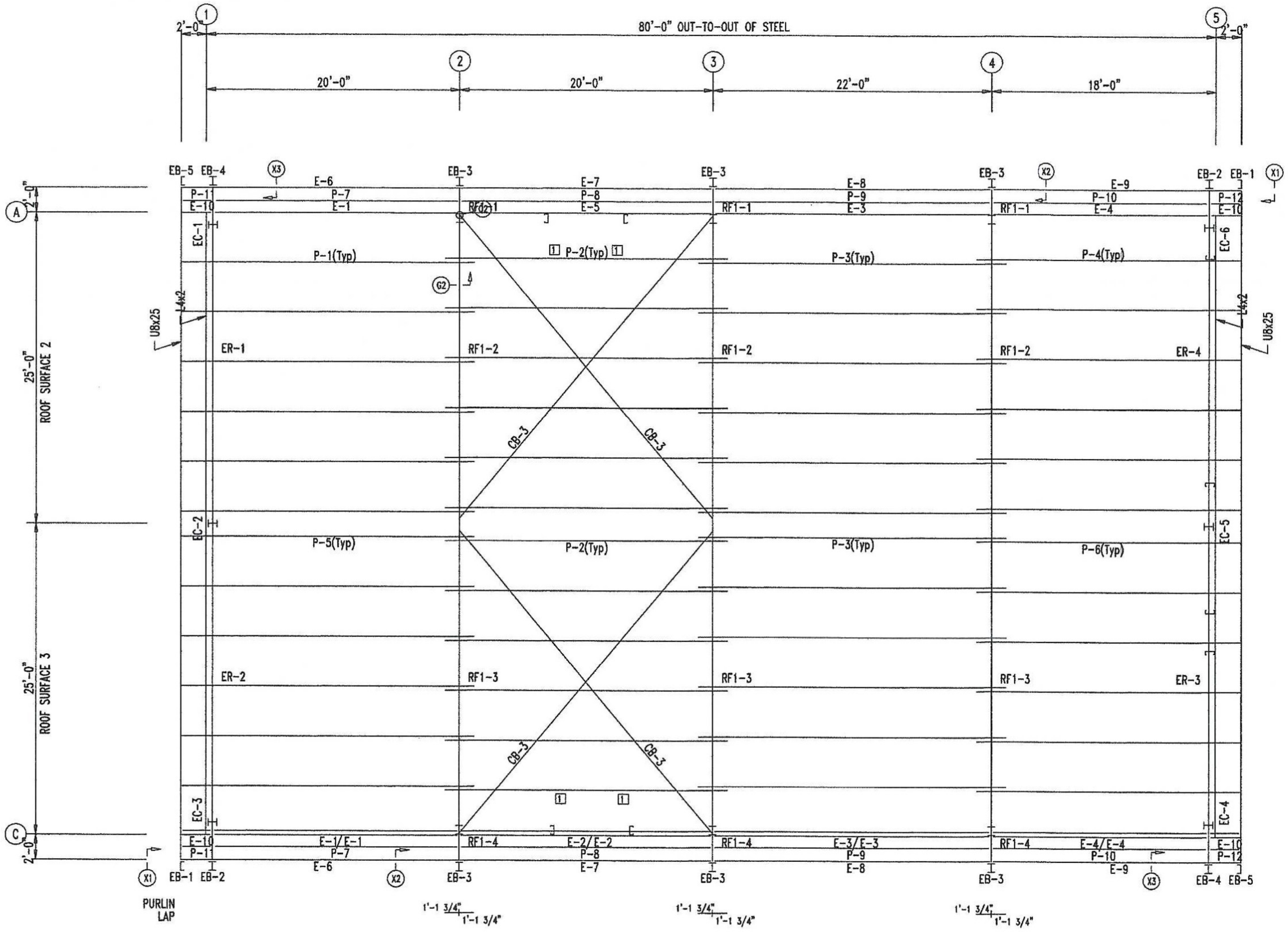
BOLT TABLE FRAME LINE 5				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-3/ER-4	8	A325	1/2"	1 1/2"
Cor_Column/Raf	2	A325	5/8"	1 1/2"
EC-5/ER-4	2	A325	1/2"	1 1/2"
Jamb	2	A325	1/2"	1 1/4"

MEMBER TABLE FRAME LINE 5		
MARK	PART	LENGTH
EB-2	W8X10	2'-10 3/16"
EB-4	W8X10	2'-10 3/16"
EC-4	W8X10	10'-10 1/2"
EC-5	W8X13	18'-7"
EC-6	W8X10	10'-10 1/2"
ER-3	W8X18	26'-4 1/4"
ER-4	W8X18	26'-4 1/4"
DJ-8	C83514	15'-6 1/4"
DJ-9	C83514	16'-6 1/4"
DJ-10	C83512	17'-8 1/4"
DJ-11	C83512	11'-8 1/4"
DH-1	C82516	2'-11 1/2"
DH-5	C82516	17'-11 1/2"
G-8	Z82516	13'-3 3/4"
G-9	Z82516	4'-9 15/16"
G-10	Z82516	2'-11 1/2"
G-11	Z82516	6'-3 3/4"
G-12	Z82516	2'-9 3/4"
G-13	Z82516	1'-9 3/4"
G-14	Z82516	11'-7 15/16"

TRIM TABLE FRAME LINE 5		
◇ID	PART	LENGTH
1	BA162	16'-2"
2	BA122	12'-2"
3	BA102	10'-2"
4	OU122	12'-2"
5	HE143	14'-3"
6	SPECIAL5	10'-3"
7	JA102	10'-2"
8	HE036	3'-6"
9	JH102	10'-2"
10	JH182	18'-2"
11	HE183	18'-3"

CONNECTION PLATES FRAME LINE 5	
□ID	MARK/PART
1	b1
2	GIRTCLIP

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ENDWALL FRAMING		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF



ROOF FRAMING PLAN

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

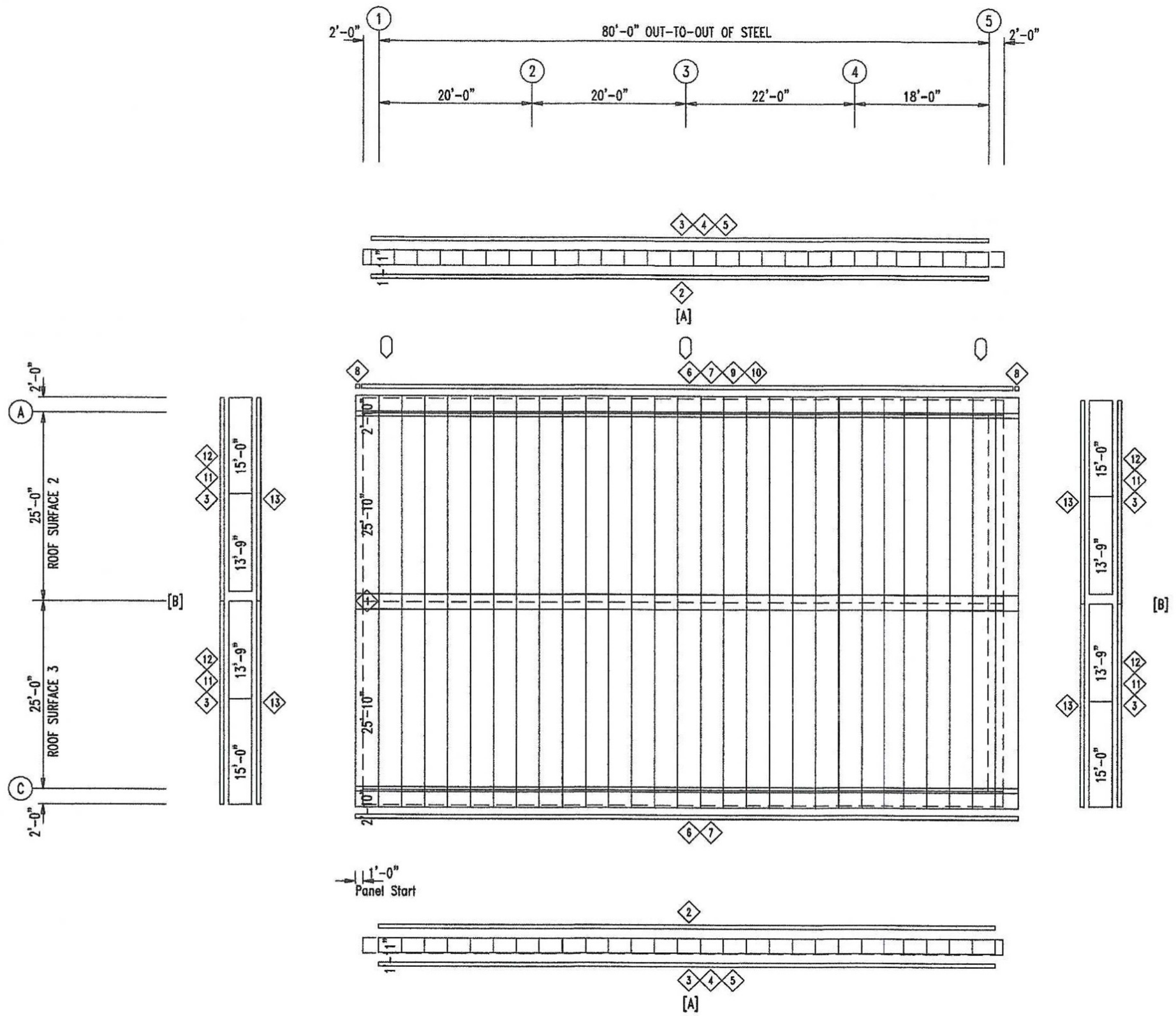
MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
EB-1	U82516	6'-4"
EB-2	W8X10	2'-10 3/16"
EB-3	W8X10	2'-10 3/16"
EB-4	W8X10	2'-10 3/16"
EB-5	U82516	6'-4"
P-1	Z82516	23'-1 1/2"
P-2	Z82516	22'-3 1/2"
P-3	Z82516	24'-3 1/2"
P-4	Z82516	21'-1 1/2"
P-5	Z82516	23'-1 1/2"
P-6	Z82516	21'-1 1/2"
P-7	C82514	19'-0"
P-8	C82514	19'-4"
P-9	C83514	21'-4"
P-10	C82516	17'-0"
P-11	C82514	1'-11 3/4"
P-12	C82516	1'-11 3/4"
E-1	08534DU4	19'-0"
E-2	08534DU4	19'-4"
E-3	08534DU4	21'-4"
E-4	08534DU4	17'-0"
E-5	08534DU4	19'-4"
E-6	08534DU4	21'-7 3/4"
E-7	08534DU4	19'-4"
E-8	08534DU4	21'-4"
E-9	08534DU4	19'-7 3/4"
E-10	08534DU4	1'-11 3/4"
CB-3	CB0250	30'-7 1/4"

CONNECTION PLATES ROOF PLAN	
ID	MARK/PART
1	d1

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ROOF FRAMING		
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PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF

DOWNSPOUT LOCATIONS

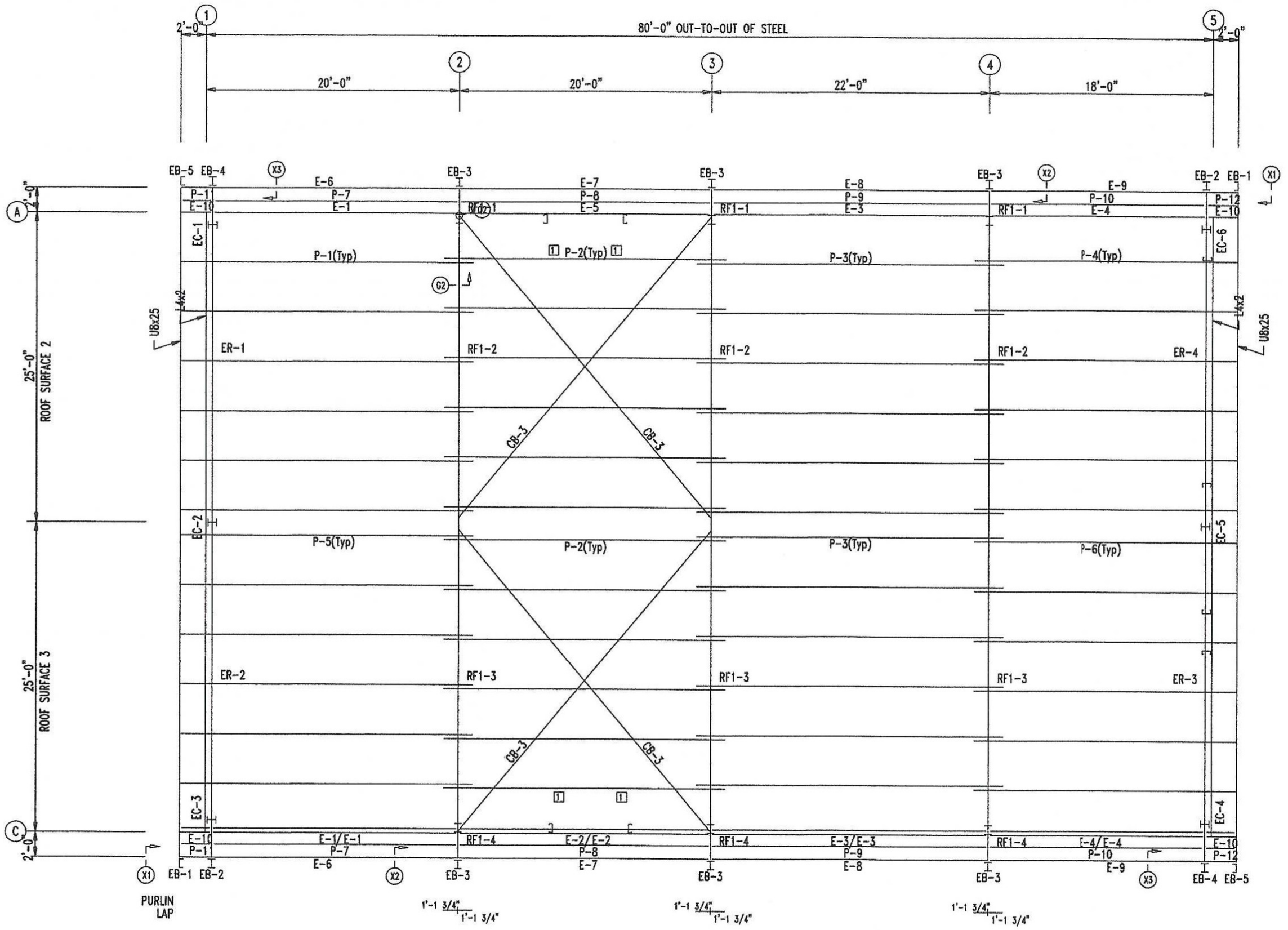
TRIM TABLE ROOF PLAN		
◇ID	PART	LENGTH
1	FRC36	3'-0"
2	HE204	20'-4"
3	OA3102	10'-2"
4	MHE123	12'-3"
5	MHE183	18'-3"
6	LEA142	14'-2"
7	LEA182	18'-2"
8	GEN	1/2"
9	GU142	14'-2"
10	GU182	18'-2"
11	MHE143	14'-3"
12	MHE163	16'-3"
13	HE143	14'-3"



ROOF SHEETING PLAN

PANELS: 26 Ga. RL – Galvalume Plus 25-yr
[A] SOFFIT PANELS: 26 Ga. ML – Polar SMP Life
[B] SOFFIT PANELS: 26 Ga. ML – Need SMP Lifetime Color

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ROOF SHEETING		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF



ROOF FRAMING PLAN

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

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
EB-1	U82516	6'-4"
EB-2	W8X10	2'-10 3/16"
EB-3	W8X10	2'-10 3/16"
EB-4	W8X10	2'-10 3/16"
EB-5	U82516	6'-4"
P-1	Z82516	23'-1 1/2"
P-2	Z82516	22'-3 1/2"
P-3	Z82516	24'-3 1/2"
P-4	Z82516	21'-1 1/2"
P-5	Z82516	23'-1 1/2"
P-6	Z82516	21'-1 1/2"
P-7	C82514	19'-0"
P-8	C82514	19'-4"
P-9	C83514	21'-4"
P-10	C82516	17'-0"
P-11	C82514	1'-11 3/4"
P-12	C82516	1'-11 3/4"
E-1	08534DU4	19'-0"
E-2	08534DU4	19'-4"
E-3	08534DU4	21'-4"
E-4	08534DU4	17'-0"
E-5	08534DU4	19'-4"
E-6	08534DU4	21'-7 3/4"
E-7	08534DU4	19'-4"
E-8	08534DU4	21'-4"
E-9	08534DU4	19'-7 3/4"
E-10	08534DU4	1'-11 3/4"
CB-3	CB0250	30'-7 1/4"

TRIM TABLE ROOF PLAN		
◇ID	PART	LENGTH
1	FRC36	3'-0"

CONNECTION PLATES ROOF PLAN	
□ID	MARK/PART
1	d1

BACK SW SOFFIT

1'-11" (27)

(28)

FRONT SW SOFFIT

1'-11" (27)

LEFT EW SOFFIT

15'-0" (1)

13'-9" (1)

25'-10" (29)

2'-10" (29)

ROOF SHEETING

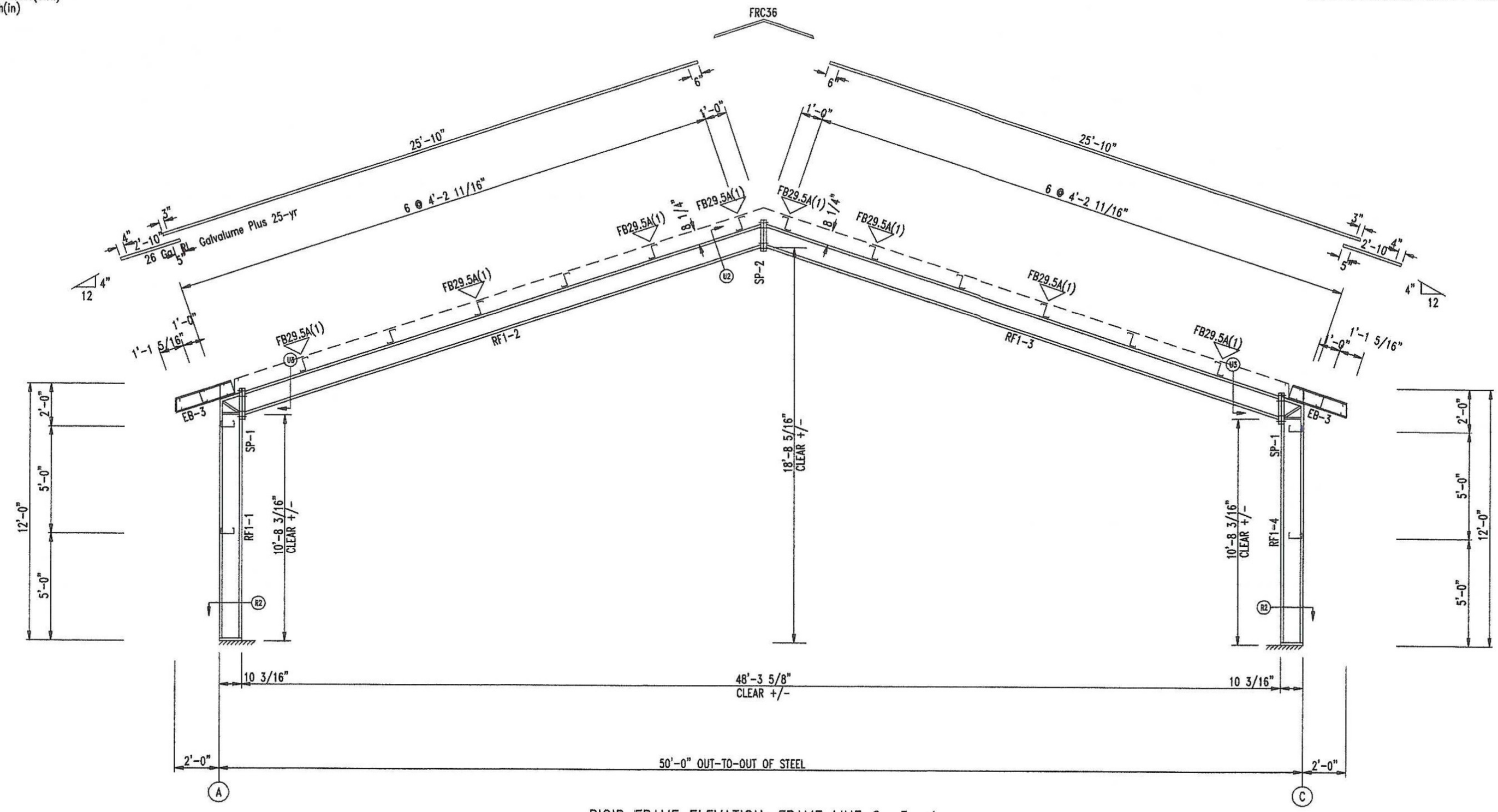
PANELS: 26 Ga. RL
Galvalume Plus 25-yr

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ROOF FRAMING		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF

SPLICE PLATE & BOLT TABLE									
Mark	Qty Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	0	A325	0.750	2.25	6"	5/8"	1'-5 3/8"
SP-2	4	4	0	A325	0.750	1.75	6"	3/8"	1'-4 7/8"

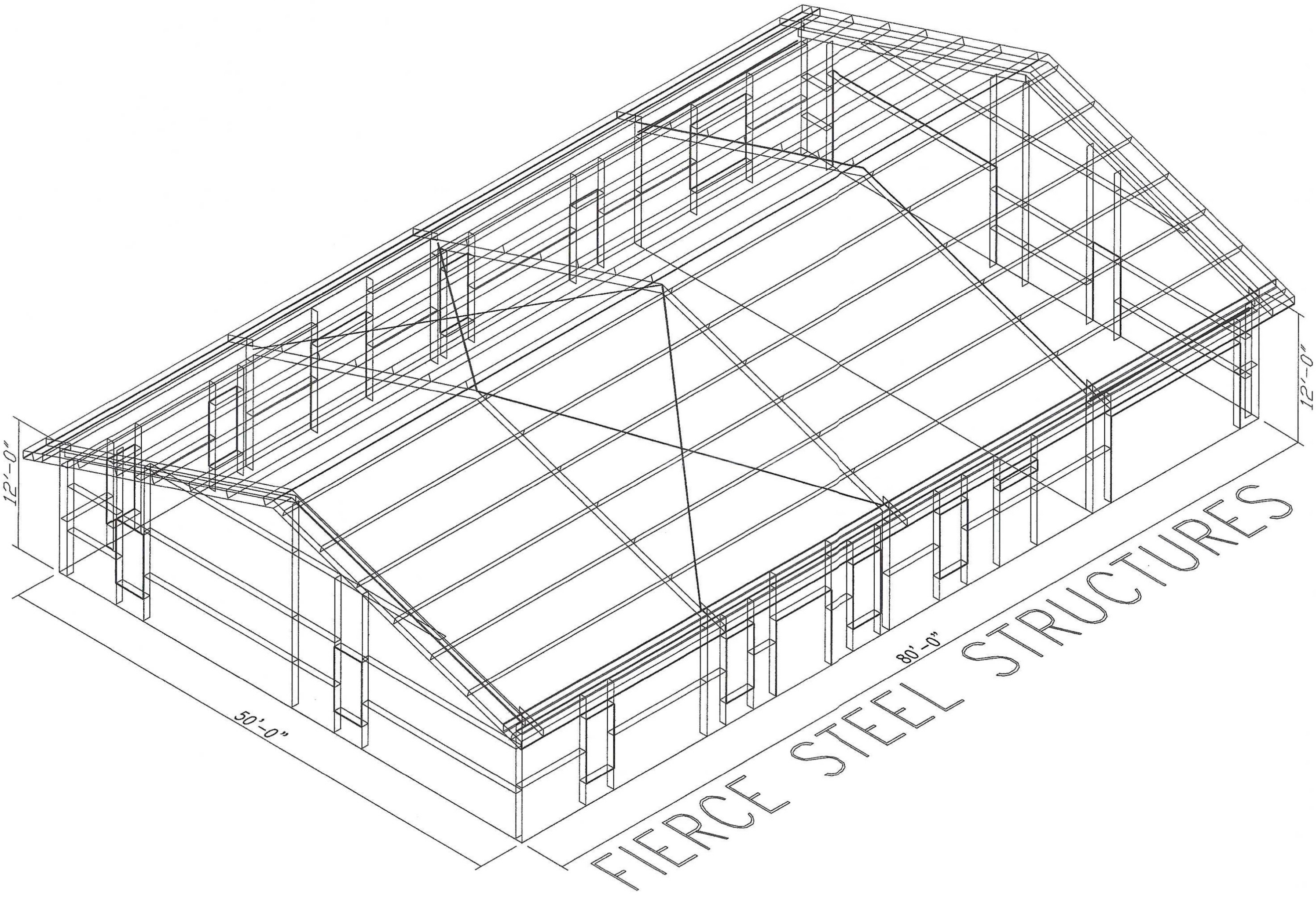
MEMBER SIZE TABLE			
MARK	MEMBER	LENGTH	WEIGHT
RF1-1	W10X19	11'-3 5/16"	267
RF1-2	W10X19	25'-5 1/4"	531
RF1-3	W10X19	25'-5 1/4"	532
RF1-4	W10X19	11'-3 5/16"	267
EB-3	W8X10	2'-10 3/16"	46

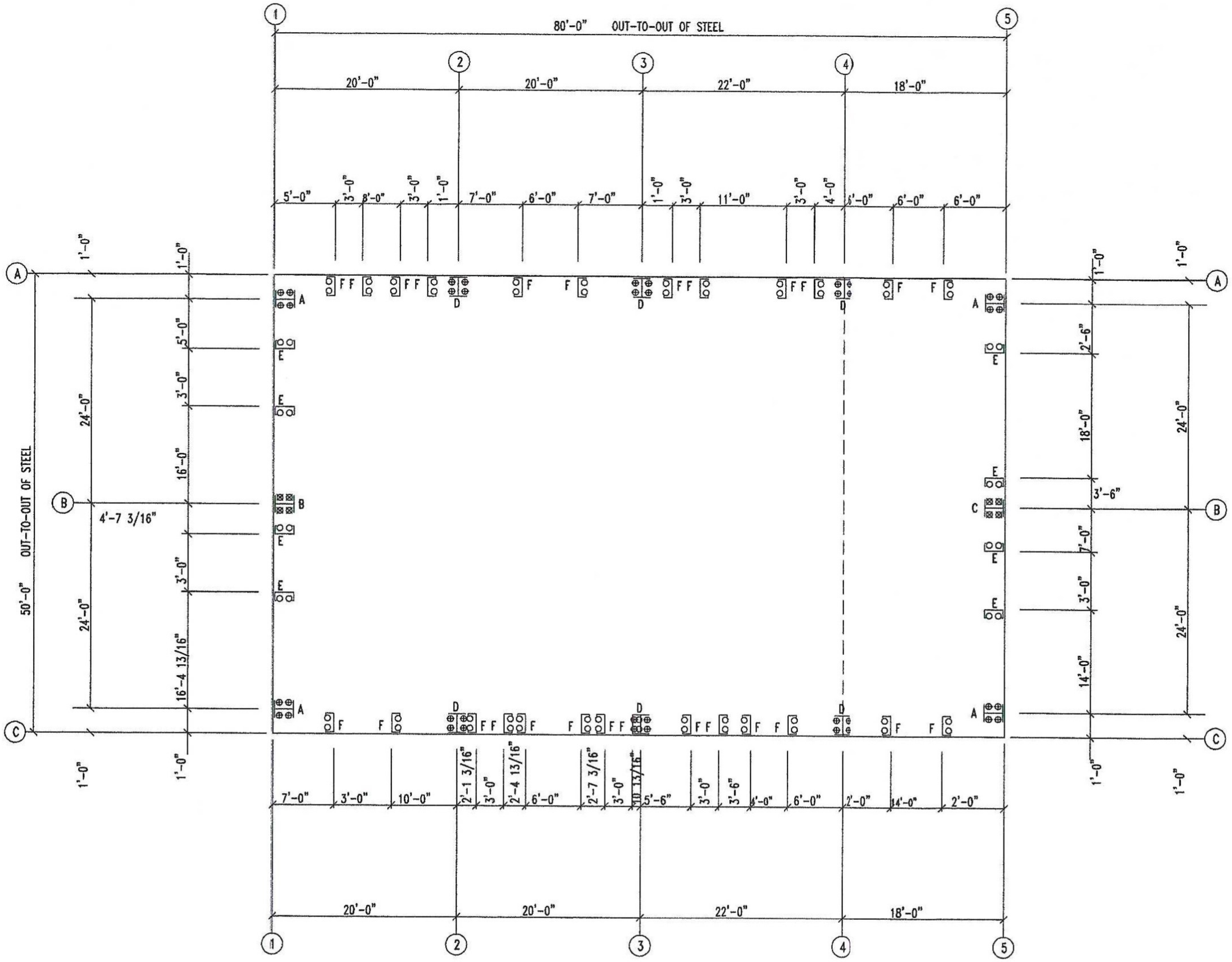
▽FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - L2x2x14G



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	RIGID FRAME ELEVATION		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF


12'-0"
12'-0"
50'-0"
80'-0"
FIERCE STEEL STRUCTURES



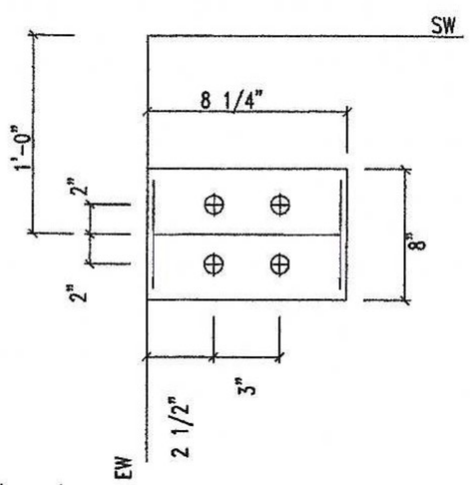
ANCHOR BOLT PLAN

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

– – – – – Partition Wall (See KeyDwg)

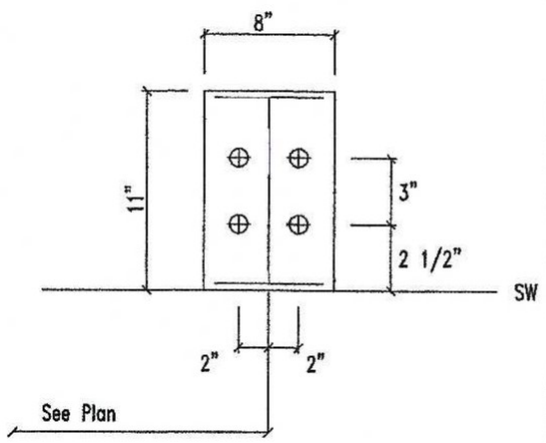
FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ANCHOR BOLT PLAN		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF

Dia= 3/4"



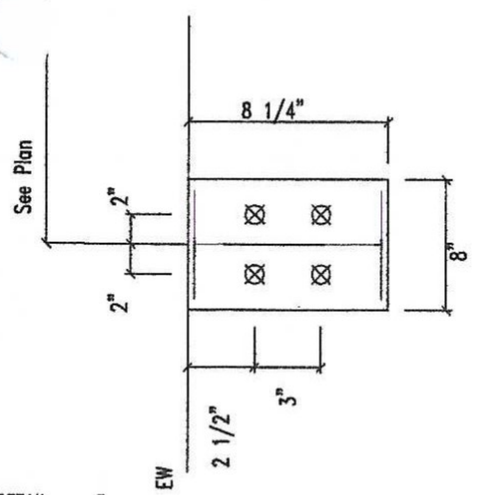
DETAIL A

Dia= 3/4"



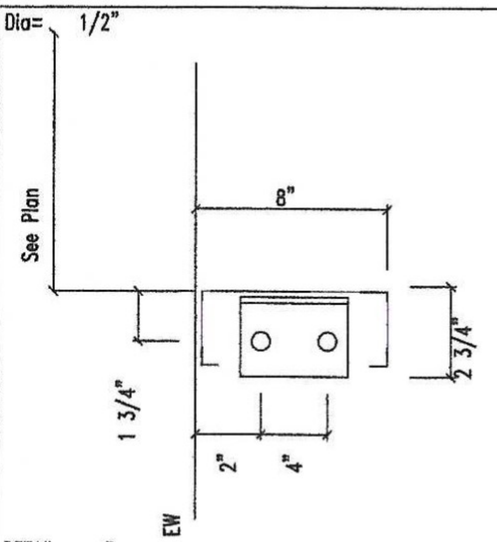
DETAIL D

Dia= 5/8"



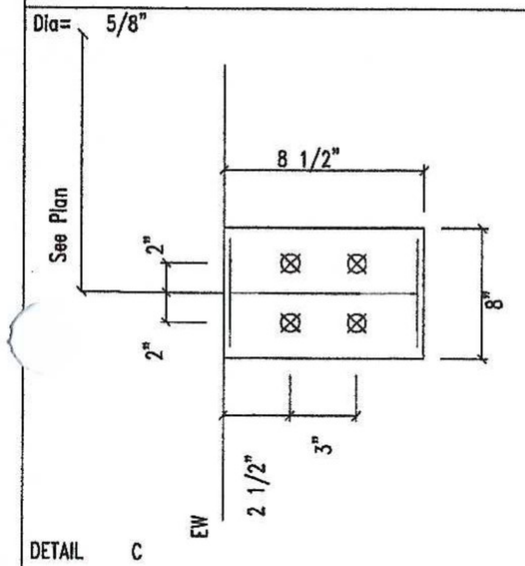
DETAIL B

Dia= 1/2"



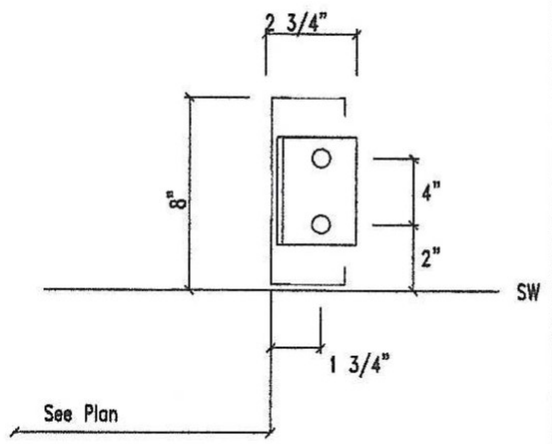
DETAIL E

Dia= 5/8"



DETAIL C

Dia= 1/2"



DETAIL F

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ANCHOR BOLT DETAILS		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF

NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data:

Width (ft)	=	50.0
Length (ft)	=	80.0
Eave Height (ft)	=	12.0/ 12.0
Roof Slope (rise/12)	=	4.0/ 4.0
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)	=	119.0
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)	=	0.14

5. Loading conditions are:
   1. Dead+Collateral+Live
   2. 0.6Dead+0.6Wind_Left1
   3. 0.6Dead+0.6Wind_Right1
   4. 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
   5. 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
   6. 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L

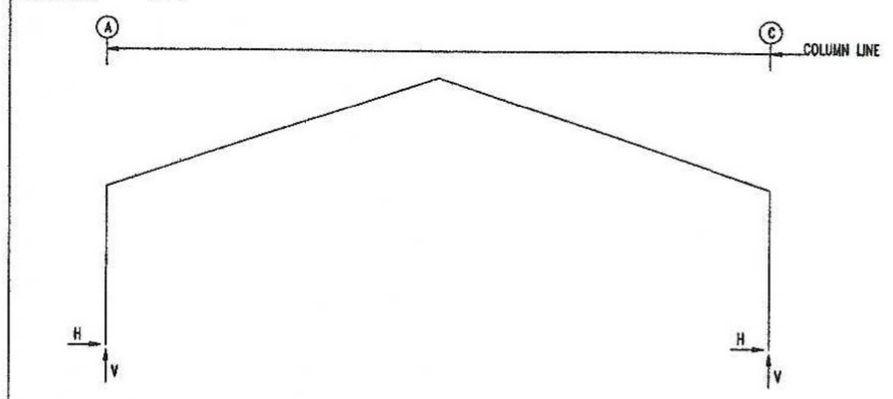
ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
○ 68	Jamb	1/2"	A307	2.00
⊠ 8	Endwall	5/8"	A307	2.50
⊕ 16	Endwall	3/4"	A307	3.00
⊕ 24	Frame	3/4"	A307	3.00

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
L_EW	1						30	10
F_SW	C						90	10
R_EW	5						44	14
B_SW	A						71	8

FRAME LINES: 2 3 4



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	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
2*	A	1	4.6	9.7	2	-3.9	-7.1	4	0.750	8.000	11.00	0.500	0.0
2*	C	3	3.9	-7.1	1	-4.6	9.7	4	0.750	8.000	11.00	0.500	0.0
		1	-4.6	9.7	3	3.9	-7.1						

2* Frame lines: 2 3 4

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	0.9	1.9	0.3	0.6	3.5	7.1	-7.4	-13.8	-2.0	-10.2	-6.4	-8.5
2*	C	-0.9	1.9	-0.3	0.6	-3.5	7.1	2.0	-10.2	7.4	-13.8	1.0	-5.0

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	-1.0	-5.0	-1.8	-11.2	-3.3	-9.8	-0.1	0.0	0.1	0.0	0.0	-0.1
2*	C	6.4	-8.5	3.3	-9.8	1.8	-11.2	-0.1	0.0	0.1	0.0	0.0	-0.1

2* Frame lines: 2 3 4

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert	Seis Left Vert
1	A	0.6	0.2	2.6	-5.2	-3.1	-3.7	-1.7	0.0	0.0	-4.2	-2.4	0.0
1	B	1.6	0.4	6.7	-9.1	-9.1	-6.2	-6.2	-5.8	6.4	-8.4	-8.4	-0.2
1	C	0.6	0.2	2.6	-3.1	-5.2	-1.7	-3.7	0.0	0.0	-2.4	-4.2	0.1

Frm Line	Col Line	Seis Right Vert	E1PAT_LL_1 Horz	E1PAT_LL_1 Vert	E1PAT_LL_2 Horz	E1PAT_LL_2 Vert
1	A	0.1	0.0	2.5	0.0	-0.3
1	B	-0.2	0.0	3.4	0.0	3.4
1	C	0.0	0.0	-0.3	0.0	2.5

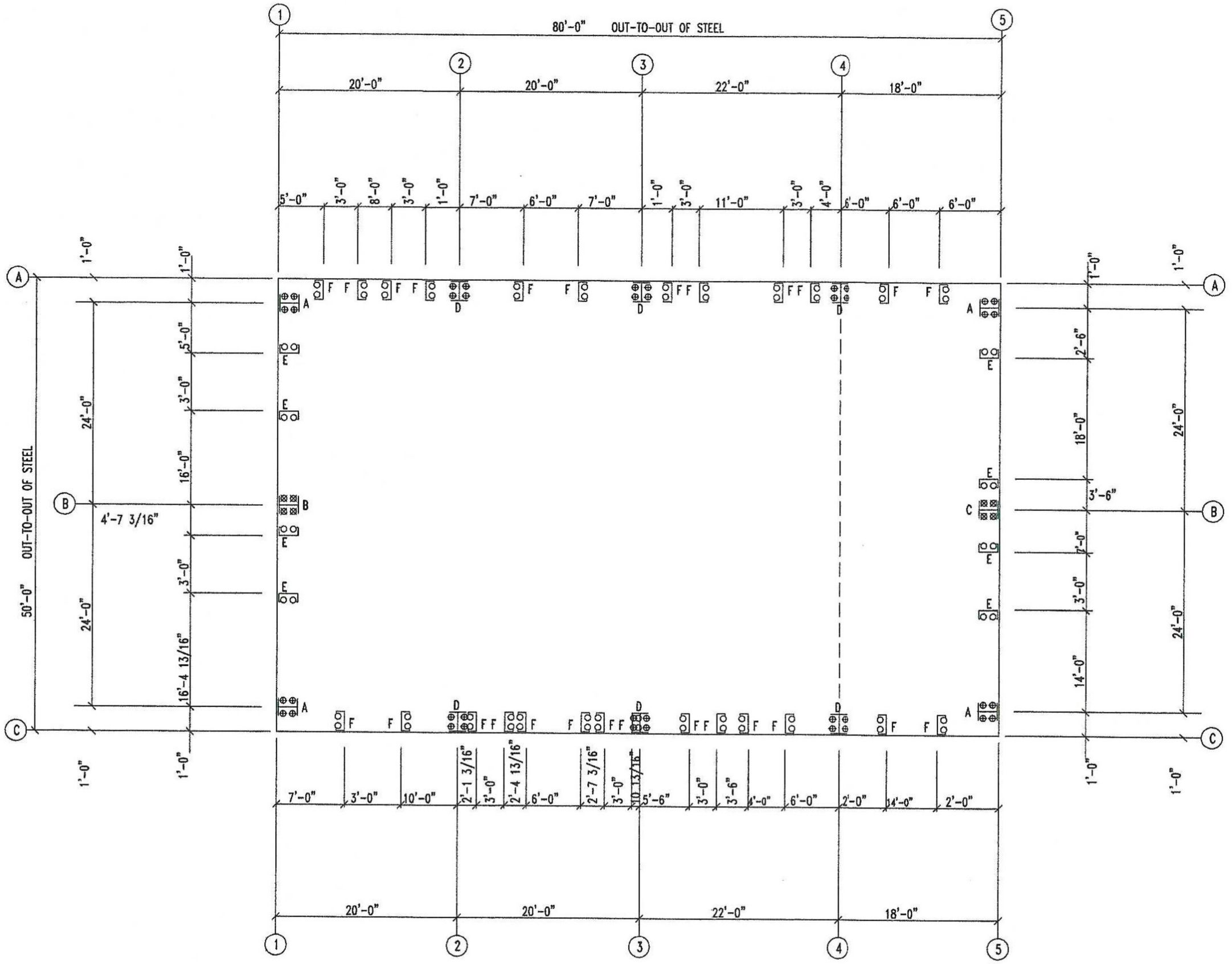
Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind_Press Horz	Wind_Press Vert	Wind_Suct Horz	Wind_Suct Vert	Wind Long1 Vert
5	C	0.6	0.1	2.5	-4.9	-2.9	-3.5	-1.6	-4.3	-0.2	0.0	0.2	-3.9
5	B	1.6	0.4	6.4	-8.5	-8.5	-5.8	-5.8	-5.8	0.0	6.4	0.0	-7.8
5	A	0.6	0.1	2.5	-2.9	-4.9	-1.6	-3.5	-4.3	-0.2	0.0	0.2	-2.2

Frm Line	Col Line	Wind Long2 Vert	Seis Left Vert	Seis Right Vert	Seis_Long Horz	Seis_Long Vert	E2PAT_LL_1 Horz	E2PAT_LL_1 Vert	E2PAT_LL_2 Horz	E2PAT_LL_2 Vert
5	C	-2.2	0.0	0.1	-1.4	-0.1	0.0	2.3	0.0	-0.3
5	B	-7.8	-0.1	-0.1	0.0	0.0	0.0	3.2	0.0	3.2
5	A	-3.9	0.1	0.0	-1.4	-0.1	0.0	-0.3	0.0	2.3

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

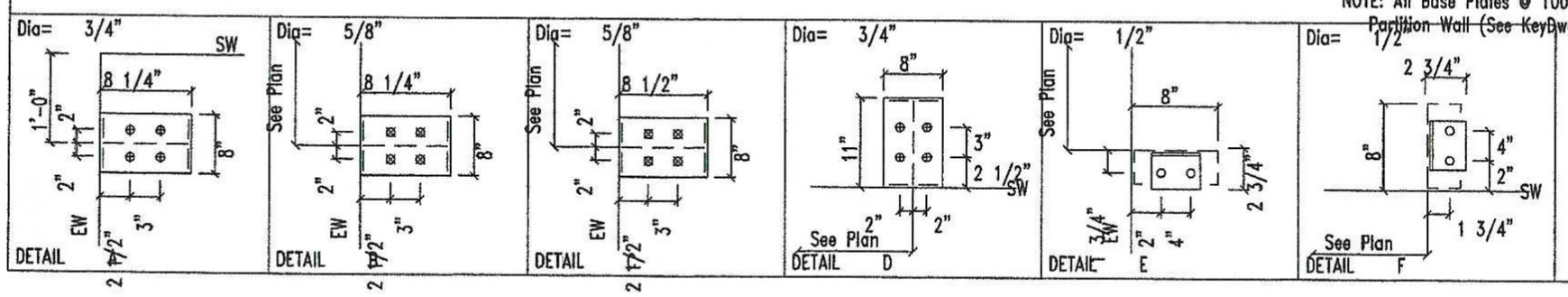
Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
1	A	2	0.0	-2.8	2	0.0	-2.8	4	0.750	8.000	8.250	0.500	0.0
		1	0.0	3.3									
1	B	4	3.8	-4.5	5	-3.5	-4.1	4	0.625	8.000	8.250	0.500	0.0
		1	0.0	8.7	4	3.8	-4.5						
1	C	3	0.0	-2.8	3	0.0	-2.8	4	0.750	8.000	8.250	0.500	0.0
		1	0.0	3.3									
5	C	2	0.0	-2.6	6	-2.6	-2.1	4	0.750	8.000	8.250	0.500	0.0
		1	0.0	3.2	2	0.0	-2.6						
5	B	4	3.8	-4.1	5	-3.5	-3.8	4	0.625	8.000	8.500	0.500	0.0
		1	0.0	8.3	4	3.8	-4.1						
5	A	3	0.0	-2.6	5	-2.6	-2.1	4	0.750	8.000	8.250	0.500	0.0
		1	0.0	3.2	3	0.0	-2.6						

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ANCHOR BOLT REACTIONS		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF

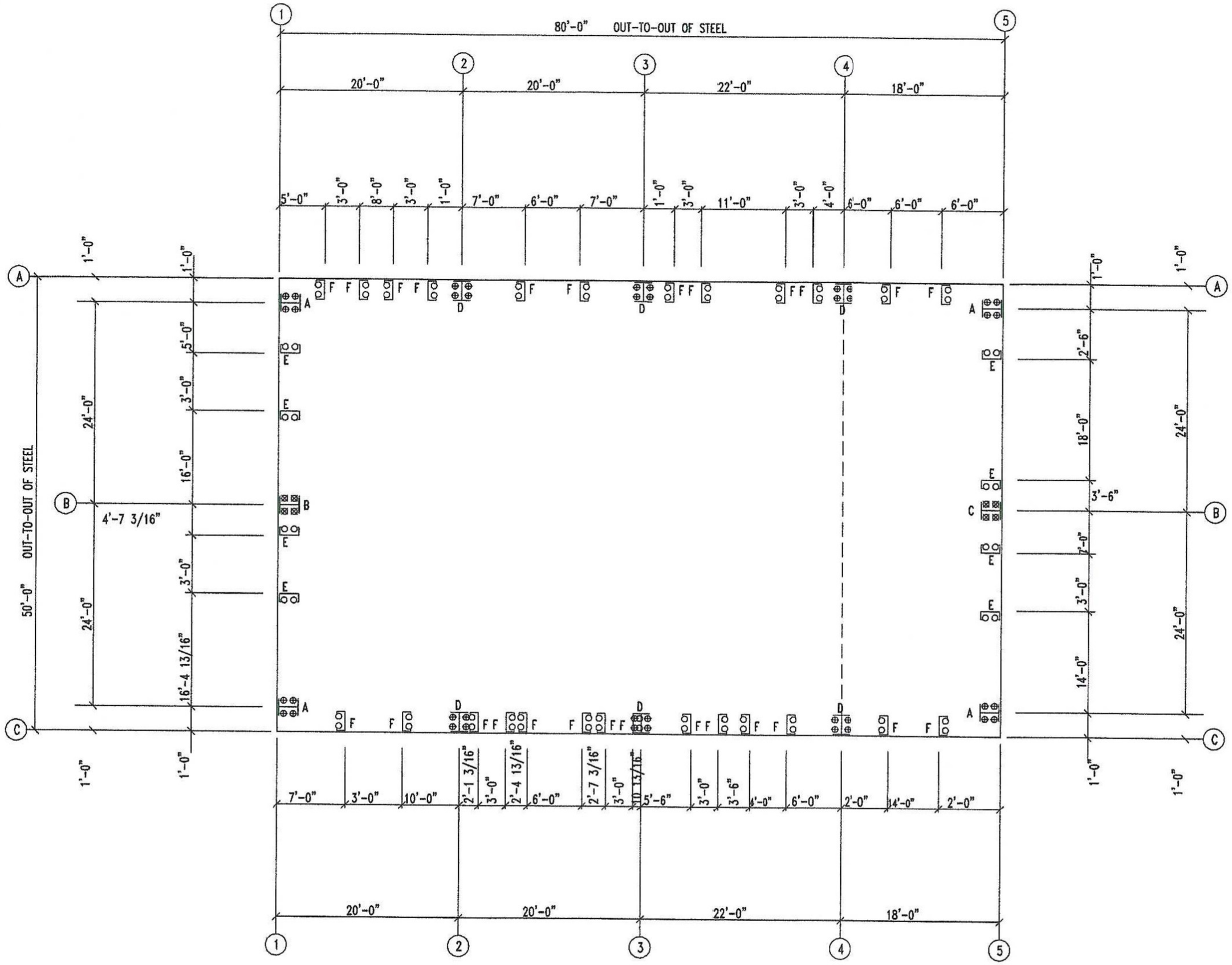


ANCHOR BOLT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)
~~Partition Wall (See KeyDwg)~~



FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ANCHOR BOLT PLAN & DETAILS		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF



ANCHOR BOLT PLAN

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

– – – – Partition Wall (See KeyDwg)

FIERCE STEEL STRUCTURES				
PROJECT	ADAM & TARA JONES	ANCHOR BOLT PLAN		
ID	14652	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	442 SW TUNSIL STREET PROJ ADR 2	DATE: 4/18/21	SHEET	OF