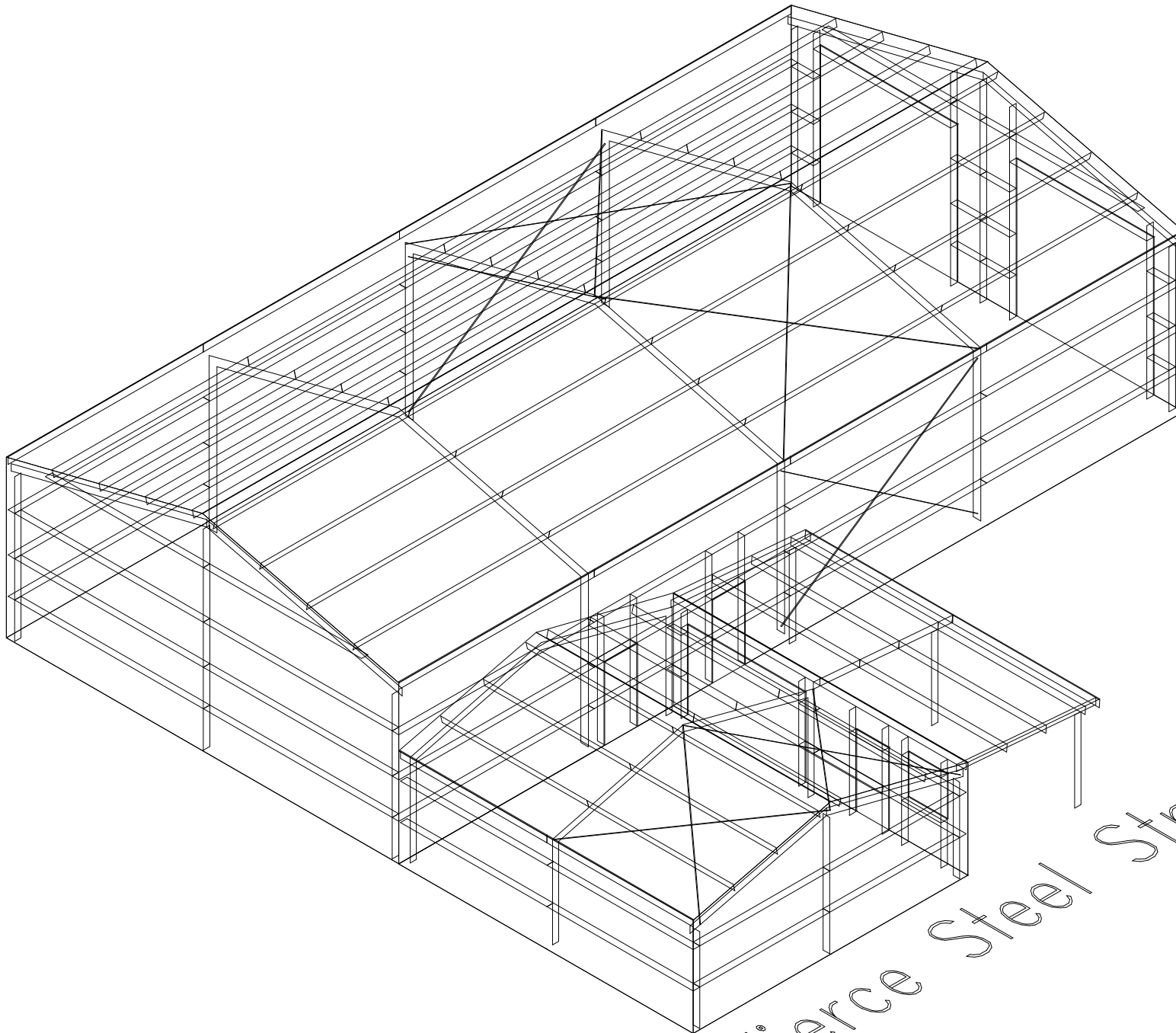


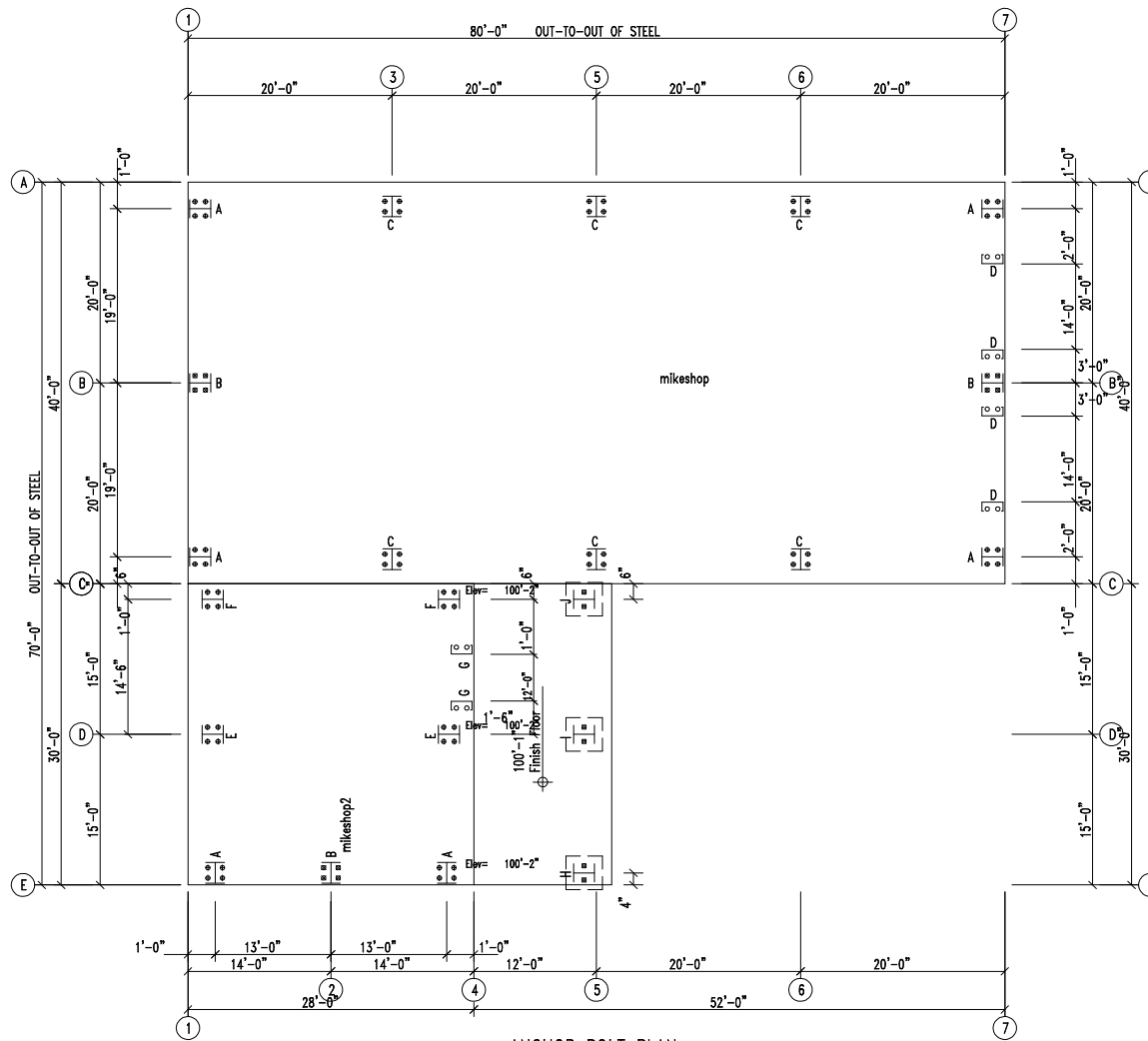


Fierce Steel Structures



N. P.
GEISLER

Digitally signed by:
N. P. GEISLER
DN: CN = N. P.
GEISLER C = US O
= AR0007005 OU =
ARCHITECT
Date: 2024.07.26
19:05:20 -05'00'



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

Fierce Steel Structures				
PROJECT	PROJECT	ANCHOR BOLT PLAN		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE: 6/21/24	SHEET	OF
ADDRESS	PROJ ADR 2			



Fierce Steel Structures				
PROJECT	PROJECT	ANCHOR BOLT DETAILS		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE: 6/21/24	SHEET	OF
ADDRESS	PROJ ADR 2			

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width	(ft)	=	40.0
Length	(ft)	=	80.0
Eave Height	(ft)	=	16.0/ 16.0
Roof Slope	(rise/12)	=	3.00/ 3.00
Roof Dead Load	(psf)	=	2.0
Wall Dead Load			
Left Endwall	(psf)	=	2.0
Right Endwall	(psf)	=	2.0
Front Sidewall	(psf)	=	2.0
Back Sidewall	(psf)	=	2.0
Roof Live Load	(psf)	=	20.0
Frame Live Load	(psf)	=	12.0
Collateral Load	(psf)	=	1.0
Wind Speed	(mph)	=	119.0
Wind Code		=	FBC 20 (IBC 18)
Exposure		=	C
Closure		=	Enclosed
Internal Wind Coeff		=	-0.18, +0.18
Risk Category		=	I - Low
Importance - Wind		=	1.00
Importance - Seismic		=	1.00
Seismic Design Category		=	B
Seismic Coeff	(Sms)	=	0.14

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
8	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

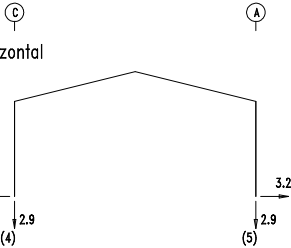
BUILDING BRACING REACTIONS

Wall Loc	Line	Col Line	± Reactions(k)				Panel Shear (lb/ft)	
			Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis
L_EW	7						165	28
F_SW	A	6,5	3.8	2.7	1.1	0.8	50	8
R_EW	1							
B_SW	C	5,6	3.8	2.7	1.1	0.8		

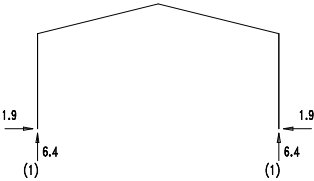
Reactions for seismic represent shear force, Eh
Reaction values shown are unfactored

RIGID FRAME REACTIONS (k)

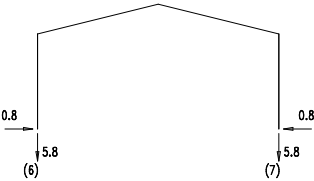
6 5 3



Max +Vertical



Max -Vertical



(1)Dead+Collateral+Live
(4)0.6Dead+0.6Wind_Left2
(5)0.6Dead+0.6Wind_Right2
(6)0.6Dead+0.6Wind_Long1L
(7)0.6Dead+0.6Wind_Long2L

ENDWALL COLUMN REACTIONS(k)

Frame Line	Col Line					Load Id
7	8	Max Horz	=	3.2	Vert = -3.2	(8)
7	8	Max +Vert	=	6.2	Horz = 0.0	(1)
7	8	Max -Vert	=	-3.2	Horz = 3.2	(8)

(1)Dead+Collateral+Live
(8)0.6Dead+0.6Wind_Right1+0.6Wind_Suction

Fierce Steel Structures

PROJECT	PROJECT	ANCHOR BOLT REACTIONS		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE: 6/21/24	SHEET	OF
ADDRESS	PROJ ADR 2			

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width	(ft)	=	28.0
Length	(ft)	=	30.0
Eave Height	(ft)	=	10.0/ 10.0
Roof Slope	(rise/12)	=	3.00/ 3.00
Roof Dead Load	(psf)	=	2.0
Wall Dead Load			
Left Endwall	(psf)	=	2.0
Right Endwall	(psf)	=	2.0
Front Sidewall	(psf)	=	2.0
Back Sidewall	(psf)	=	2.0
Roof Live Load	(psf)	=	20.0
Frame Live Load			
Min	(psf)	=	15.6
Max	(psf)	=	19.7
Collateral Load	(psf)	=	1.0
Wind Speed	(mph)	=	119.0
Wind Code		=	FBC 20 (IBC 18)
Exposure		=	C
Closure		=	Enclosed
Internal Wind Coeff		=	-0.18, +0.18
Risk Category		=	I - Low
Importance - Wind		=	1.00
Importance - Seismic		=	1.00
Seismic Design Category		=	B
Seismic Coeff	(Sms)	=	0.14

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k)				Panel Shear (b/ft)		Note
			Wind		Seismic		Wind	Seis	
L_EW	E						35	6	
F_SW	4						152	27	
R_EW	C								(h)
B_SW	1						54	10	

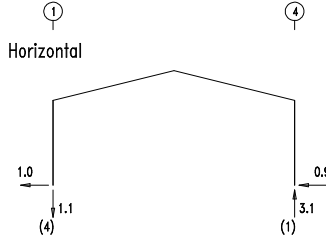
(h) Rigid frame at endwall

Reactions for seismic represent shear force, Eh
Reaction values shown are unfactored

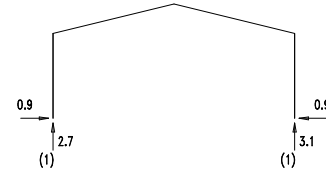
RIGID FRAME REACTIONS (k)

@ C

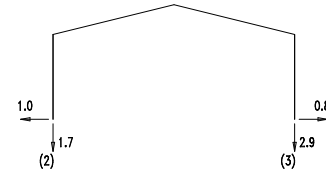
Max Horizontal



Max +Vertical



Max -Vertical

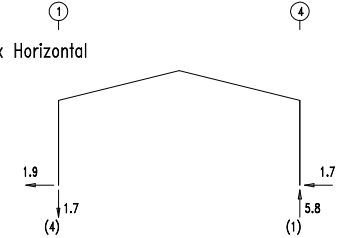


(1) Dead+Collateral+Live
(2) 0.6Dead+0.6Wind_Left1
(3) 0.6Dead+0.6Wind_Right1
(4) 0.6Dead+0.6Wind_Left2

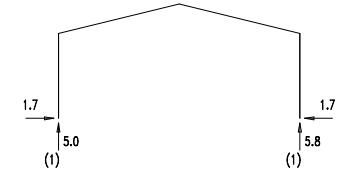
RIGID FRAME REACTIONS (k)

@ D

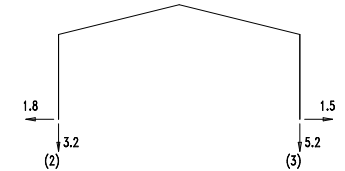
Max Horizontal



Max +Vertical



Max -Vertical



(1) Dead+Collateral+Live
(2) 0.6Dead+0.6Wind_Left1
(3) 0.6Dead+0.6Wind_Right1
(4) 0.6Dead+0.6Wind_Left2

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
4	Jamb	1/2"	A307	2.00
4	Endwall	5/8"	A307	2.50
8	Endwall	3/4"	A307	3.00
16	Frame	3/4"	A307	3.00
6	Extension	5/8"	A307	2.50

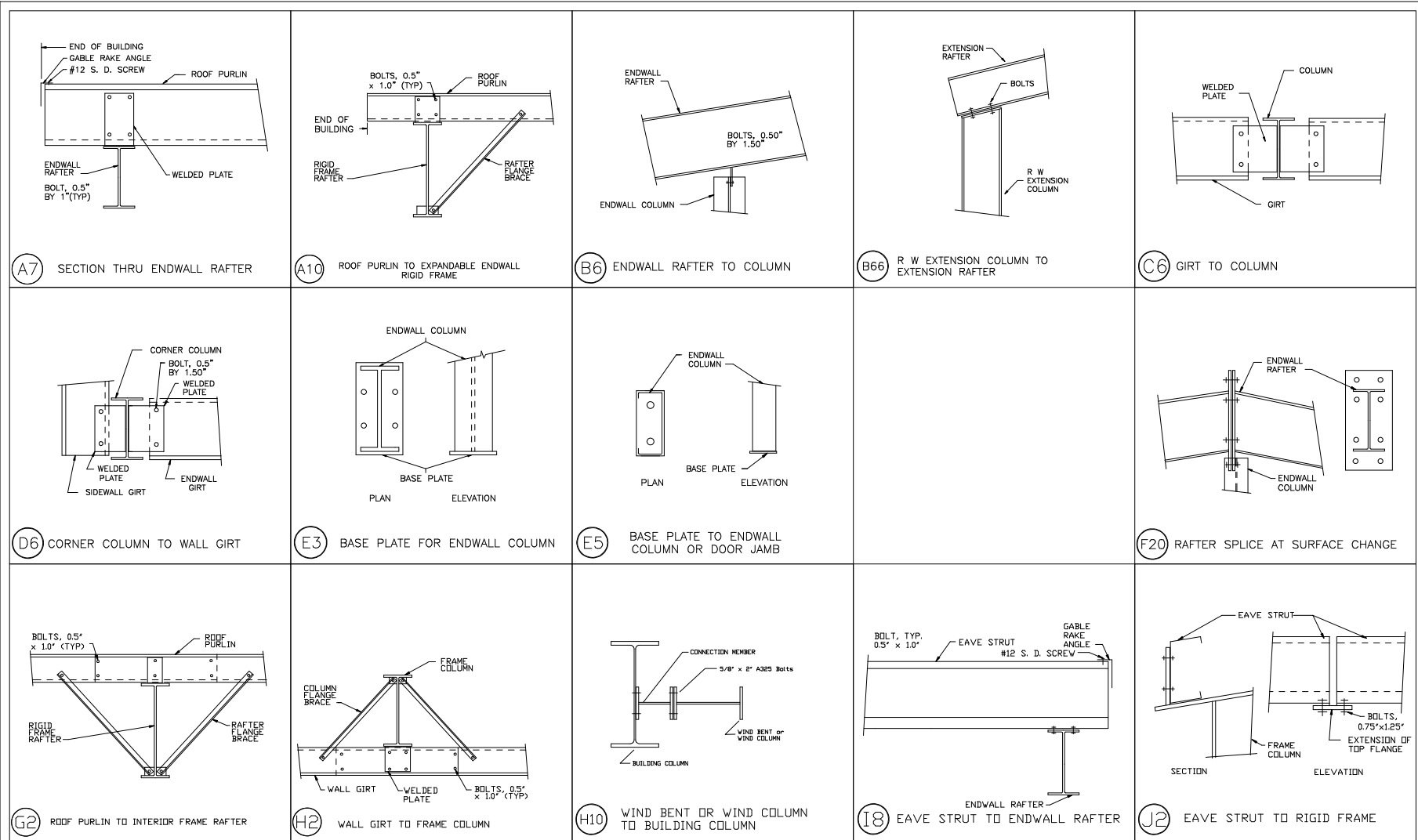
ENDWALL COLUMN REACTIONS(k)

Frame Line	Col Line				Load Id
E	2	Max Horz	=	1.3	Vert = -1.5 (7)
E	2	Max +Vert	=	3.3	Horz = 0.0 (1)
E	4	Max -Vert	=	-2.0	Horz = 0.0 (3)

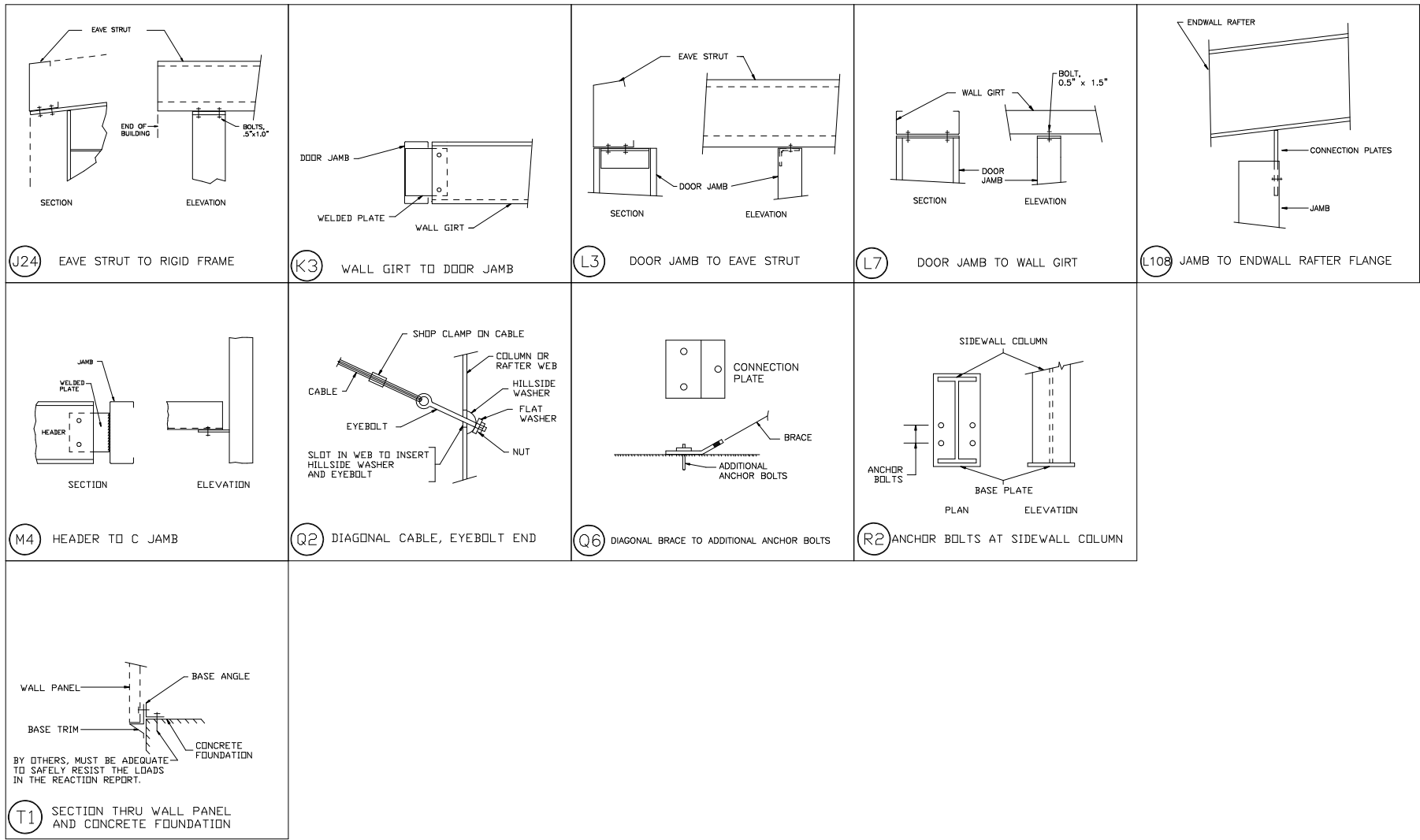
(1) Dead+Collateral+Live
(3) 0.6Dead+0.6Wind_Right1
(7) 0.6Dead+0.6Wind_Left1+0.6Wind_Suction

Fierce Steel Structures

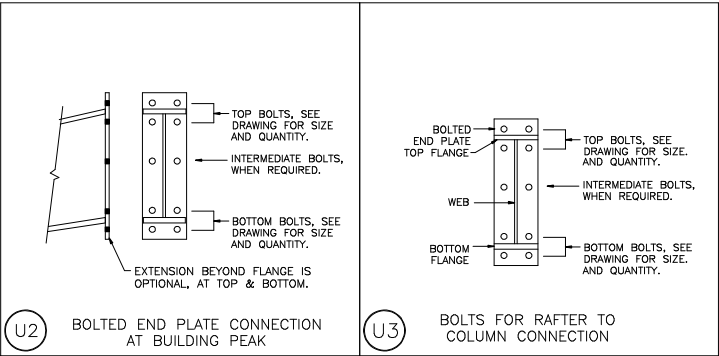
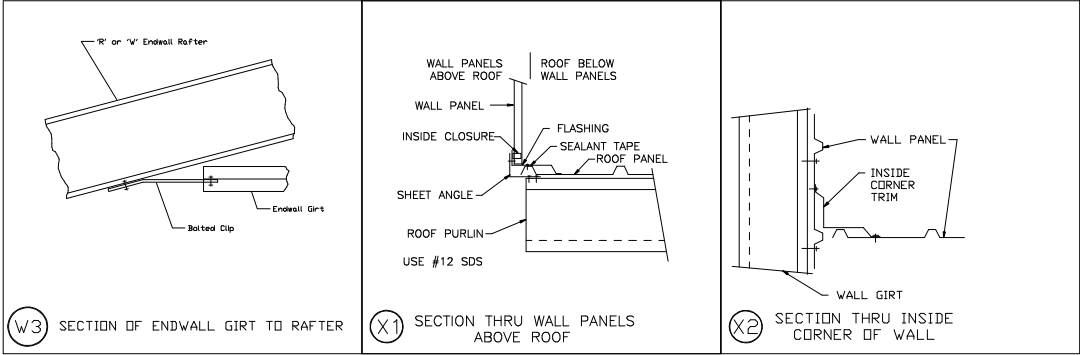
PROJECT	PROJECT	ANCHOR BOLT REACTIONS		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE:	6/21/24	SHEET OF
ADDRESS	PROJ ADR 2			



Fierce Steel Structures				
PROJECT	PROJECT	STRUCTURAL DETAILS		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	PROJ ADR 1 PROJ ADR 2	DATE: 6/18/24	SHEET	OF



Fierce Steel Structures				
PROJECT	PROJECT	STRUCTURAL DETAILS		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	PROJ ADR 1 PROJ ADR 2	DATE: 6/18/24	SHEET	OF

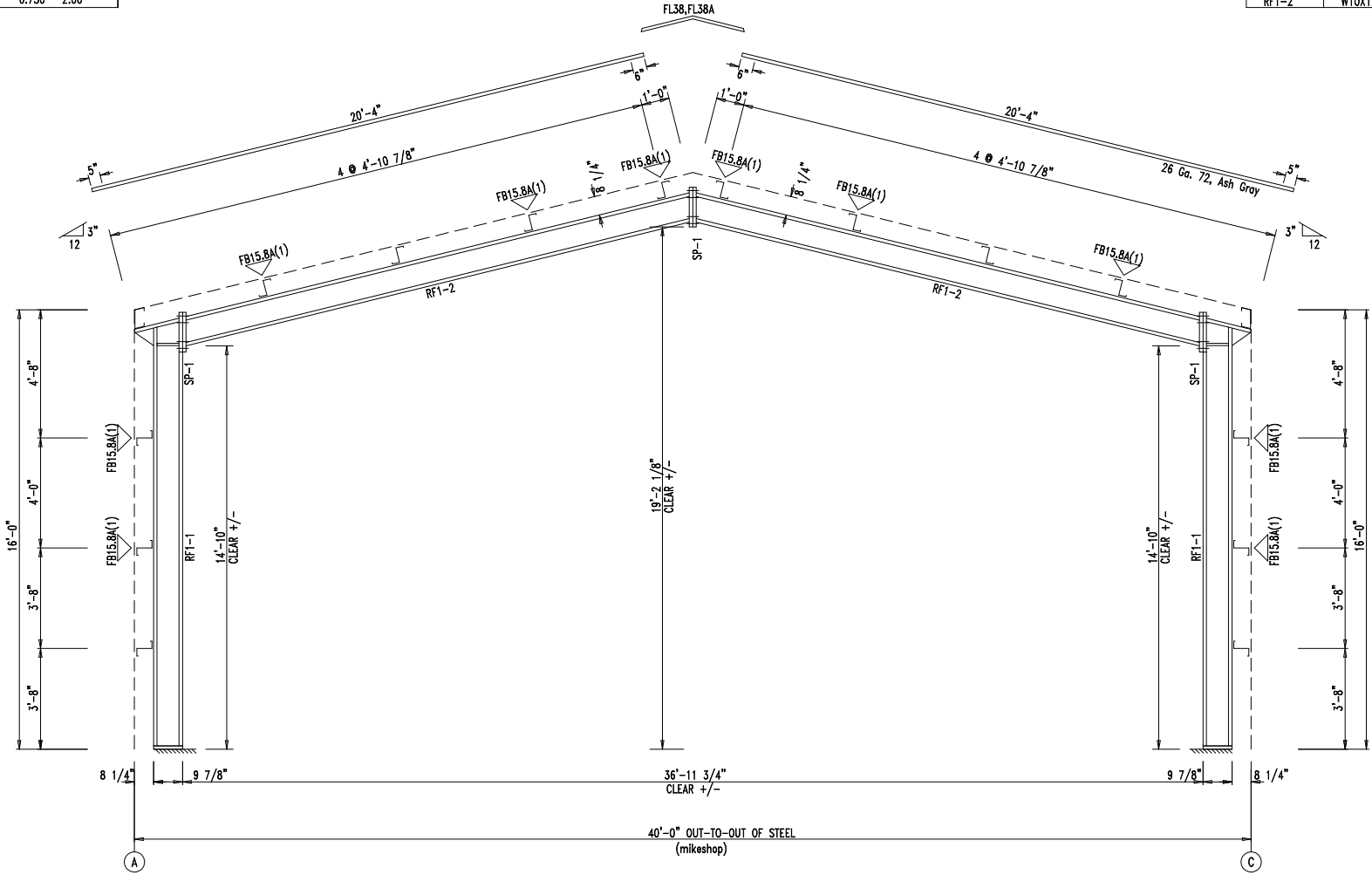


Fierce Steel Structures				
PROJECT	PROJECT	STRUCTURAL DETAILS		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE: 6/18/24	SHEET	OF
ADDRESS	PROJ ADR 2			

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

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

MEMBER SIZE TABLE			
MARK	MEMBER	LENGTH	WEIGHT
RF1-1	W10X12	15'-5 9/16"	233
RF1-2	W10X12	19'-0 7/16"	266



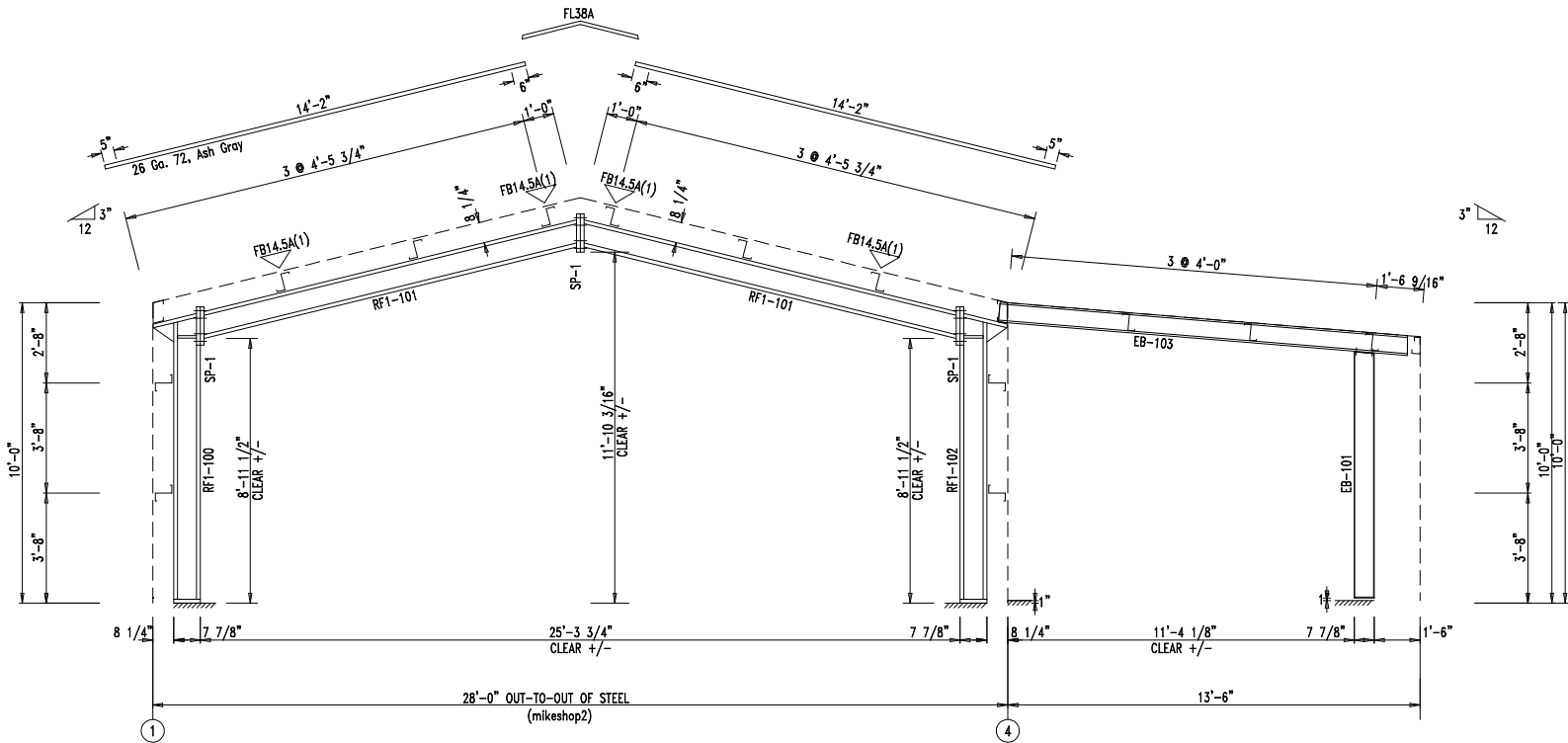
RIGID FRAME ELEVATION: FRAME LINE 3 5 6

Fierce Steel Structures				
PROJECT	PROJECT	RIGID FRAME ELEVATION		
ID	mikesopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE:	6/21/24	SHEET OF
ADDRESS	PROJ ADR 2			

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

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

MEMBER SIZE TABLE			
MARK	MEMBER	LENGTH	WEIGHT
RF1-100	W8X10	9'-5 9/16"	129
RF1-101	W8X10	13'-0 3/8"	159
RF1-102	W8X10	9'-5 9/16"	129
EB-103	W8X10	13'-10 1/4"	154
EB-101	W8X10	8'-2 3/8"	94



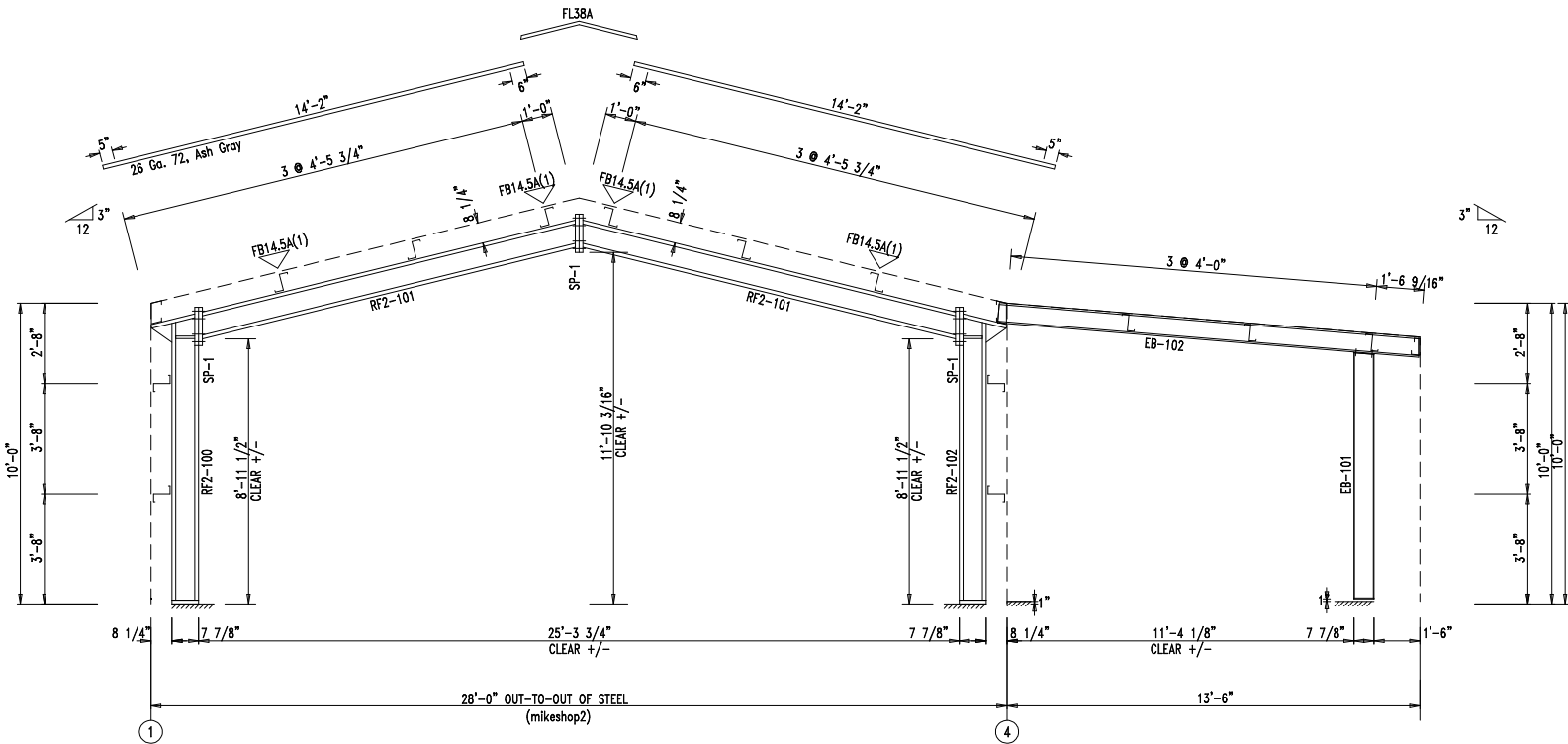
RIGID FRAME ELEVATION: FRAME LINE C

Fierce Steel Structures				
PROJECT	PROJECT	RIGID FRAME ELEVATION		
ID	mikesopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE:	6/21/24	SHEET OF
ADDRESS	PROJ ADR 2			

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

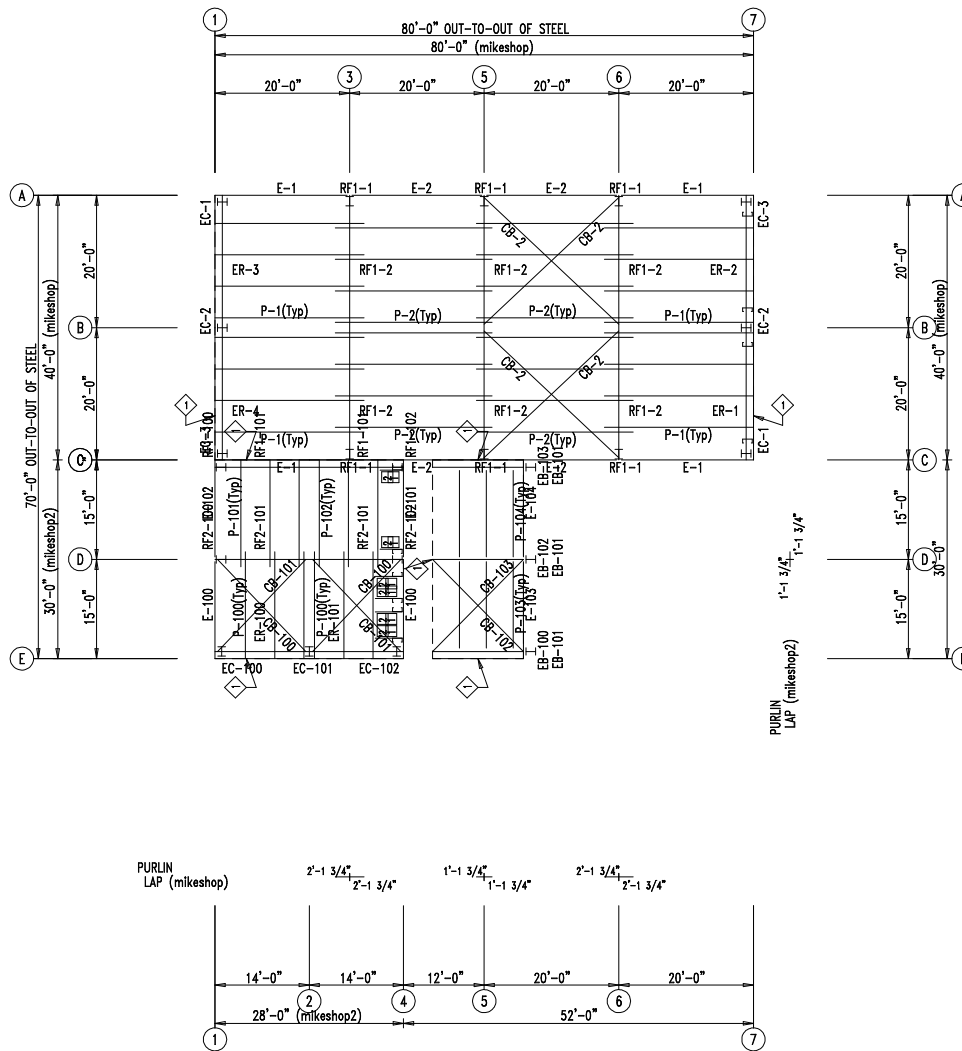
▽ FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - L2x2x14G

MEMBER SIZE TABLE			
MARK	MEMBER	LENGTH	WEIGHT
RF2-100	W8X10	9'-5 9/16"	129
RF2-101	W8X10	13'-0 3/8"	159
RF2-102	W8X10	9'-5 9/16"	129
EB-102	W8X15	13'-10 1/4"	241
EB-101	W8X10	8'-2 3/8"	94



RIGID FRAME ELEVATION: FRAME LINE D

Fierce Steel Structures				
PROJECT	PROJECT	RIGID FRAME ELEVATION		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE:	6/21/24	SHEET OF
ADDRESS	PROJ ADR 2			



ROOF FRAMING PLAN

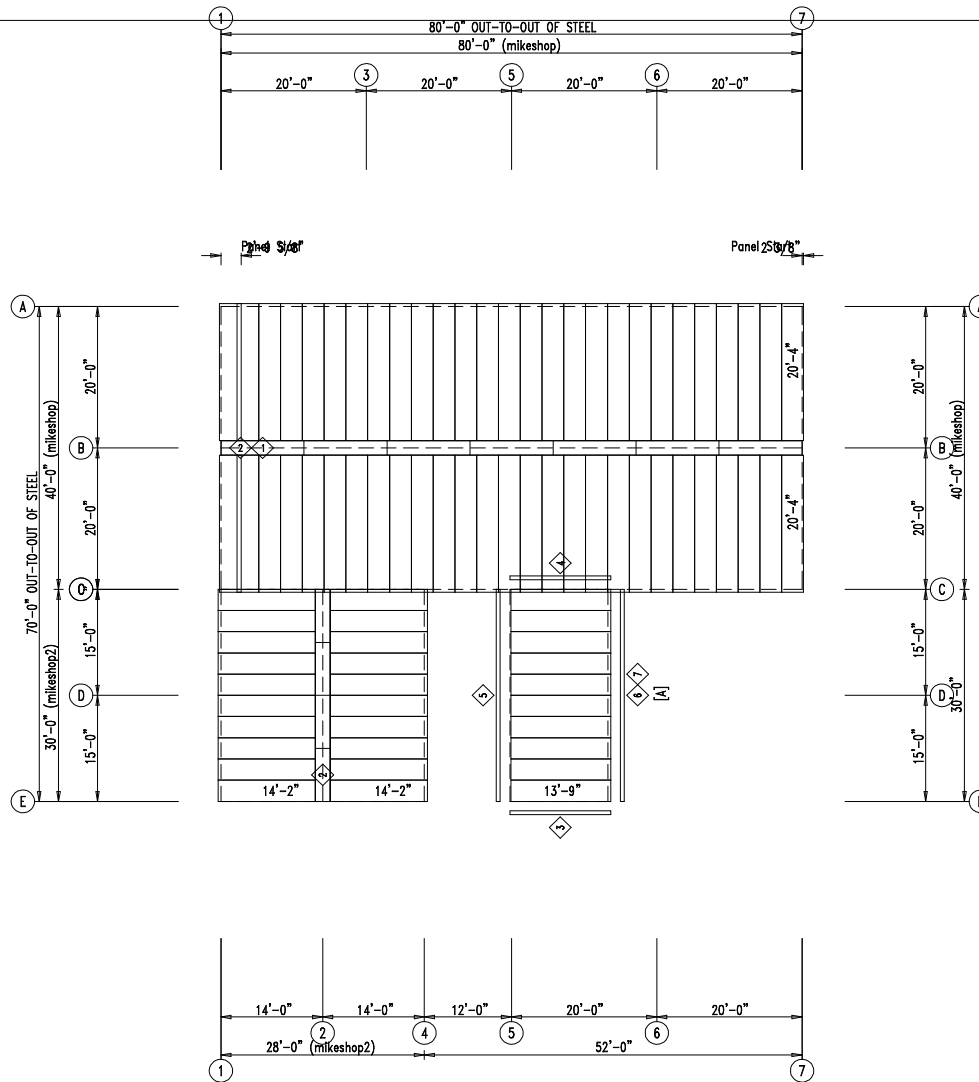
EXTENSION/CANOPY BOLTS				
ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-100	8	A325	3/4"	2"
EB-102	8	A325	3/4"	2"
EB-103	8	A325	3/4"	2"

MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
mikeshop		
P-1	8X25Z16	22'-1 1/2"
P-2	8X25Z16	23'-3 1/2"
E-1	E085343L	19'-11 1/2"
E-2	E085343L	19'-11 1/2"
CB-2	CB0250	25'-10"
mikeshop2		
EB-100	WBX10	13'-10 1/4"
EB-101	WBX10	8'-2 3/8"
EB-102	WBX15	13'-10 1/4"
EB-103	WBX10	13'-10 1/4"
P-100	8X25Z16	16'-1 1/2"
P-101	8X25Z16	16'-1 1/2"
P-102	8X25Z16	16'-1 1/2"
P-103	8X25Z16	14'-0"
P-104	8X25Z16	13'-10"
E-100	E085343L	14'-11 1/2"
E-101	E085343L	14'-11 1/2"
E-102	E085343L	14'-11 1/2"
E-103	E085341L	14'-7 3/4"
E-104	E085341L	14'-7 3/4"
CB-100	CB0250	17'-5"
CB-101	CB0250	17'-9 1/4"
CB-102	CB0250	18'-0 1/4"
CB-103	CB0250	18'-3 1/4"

ANGLE TABLE		
ROOF PLAN		
ID	MARK	LENGTH
1	L4x2	20'-0"

CONNECTION PLATES		
ROOF PLAN		
ID	MARK/PART	
1	JPB	
2	d100	

Fierce Steel Structures				
PROJECT	PROJECT	ROOF FRAMING		
ID	mikeshop	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE:	6/21/24	SHEET OF
ADDRESS	PROJ ADR 2			

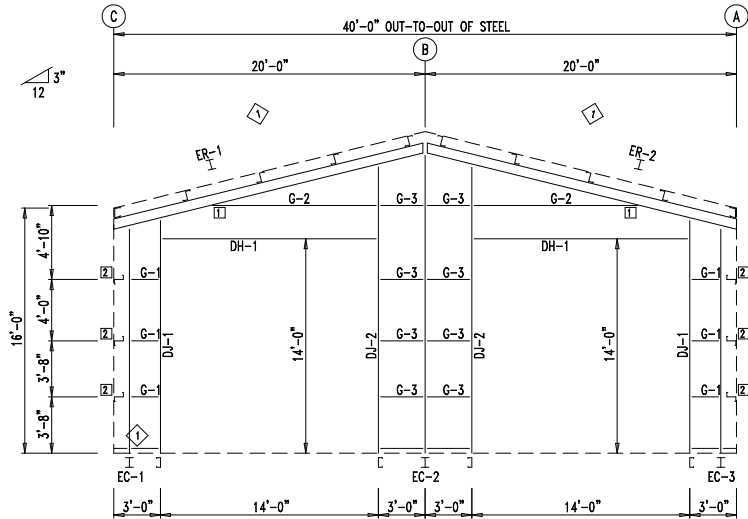


ROOF SHEETING PLAN
PANELS: 26 Ga. 72 - Ash Gray

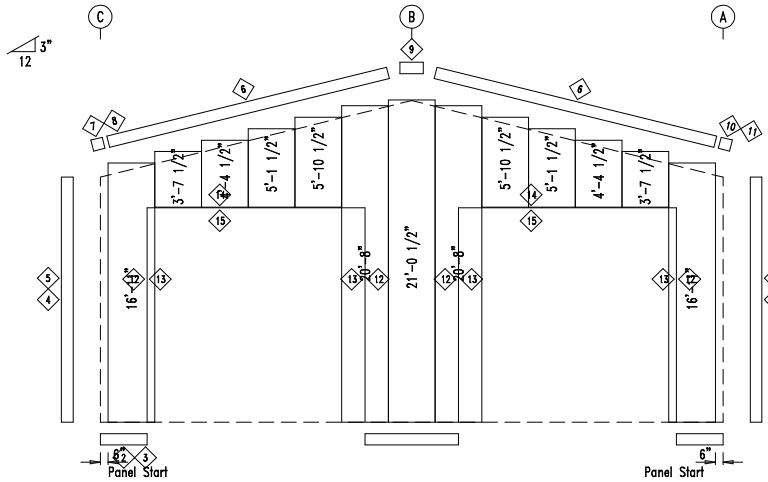
EXTENSION/CANOPY BOLTS				
ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-100	8	A325	3/4"	2"
EB-102	8	A325	3/4"	2"
EB-103	8	A325	3/4"	2"

TRIM TABLE			
ROOF PLAN			
ID	MARK	LENGTH	DETAIL
1	FL38	10'-2"	TRIM_321
2	FL38A	20'-2"	TRIM_321
3	FL13	10'-2"	
4	FL13	SCRAP	
5	FL195	10'-2"	TRIM_309
6	FL19	10'-2"	TRIM_316
7	FL19A	20'-2"	TRIM_316

Fierce Steel Structures				
PROJECT	PROJECT	ROOF SHEETING		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE: 6/21/24	SHEET	OF
ADDRESS	PROJ ADR 2			



ENDWALL FRAMING: FRAME LINE 7



ENDWALL SHEETING & TRIM: FRAME LINE 7

PANELS: 26 Ga. PA - Hawaiian Blue

BOLT TABLE FRAME LINE 7				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	8	A325	1/2"	1 1/2"
Cor_Column/Raf	2	A325	5/8"	1 1/2"
EC-2/ER-2	2	A325	1/2"	1 1/2"
Jamb	2	A307	1/2"	1 1/4"

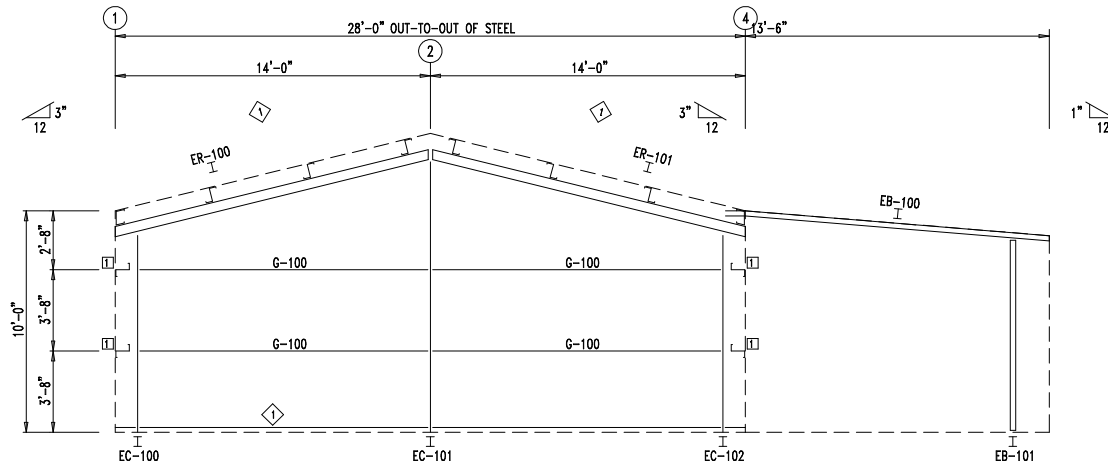
TRIM TABLE FRAME LINE 7		
ID	MARK	DETAIL
2	FL72	10'-2"
3	FL72	SCRAP
4	FL833	16'-0"
5	FL46C	16'-0"
6	FL501A	20'-2"
7	MTR LT	10'-2"
8	LEFT	6"
9	FL501D	2'-0"
10	MTR RT	10'-2"
11	RIGHT	6"
12	FL-37	10'-2"
13	FL48C	14'-2"
14	FL-37	10'-2"
15	FL25C	14'-4"

MEMBER TABLE FRAME LINE 7		
MARK	PART	LENGTH
EC-1	WBX10	14'-10 1/8"
EC-2	WBX10	19'-3 5/8"
EC-3	WBX10	14'-10 1/8"
ER-1	WBX10	20'-7 3/8"
ER-2	WBX10	20'-7 3/8"
DJ-1	8X25c12	15'-4 1/8"
DJ-2	8X25c12	18'-10 1/8"
DH-1	8X25c16	13'-11 1/2"
G-1	8X25Z16	1'-3 3/4"
G-2	8X25Z16	10'-8 15/16"
G-3	8X25Z16	2'-3 3/4"

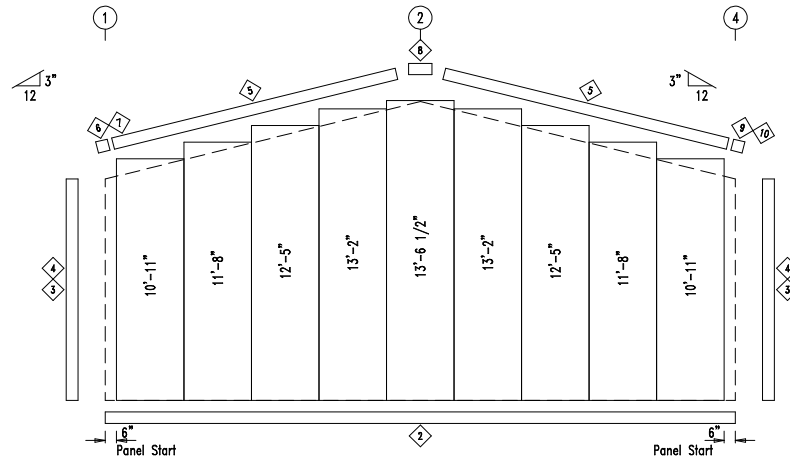
ANGLE TABLE FRAME LINE 7		
ID	MARK	LENGTH
1	L4x2	20'-0"

CONNECTION PLATES FRAME LINE 7		
ID	MARK/PART	
1	b1	
2	SC-5	

Fierce Steel Structures				
PROJECT	PROJECT	ENDWALL FRAMING		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE:	6/21/24	SHEET OF
ADDRESS	PROJ ADR 2			



ENDWALL FRAMING: FRAME LINE E



ENDWALL SHEETING & TRIM: FRAME LINE E

PANELS: 26 Ga. PA - Hawaiian Blue

BOLT TABLE FRAME LINE E				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-100/ER-101	8	A325	1/2"	1 1/2"
Cor_Column/Raf	2	A325	5/8"	1 1/2"
EC-101/ER-101	2	A325	1/2"	1 1/2"

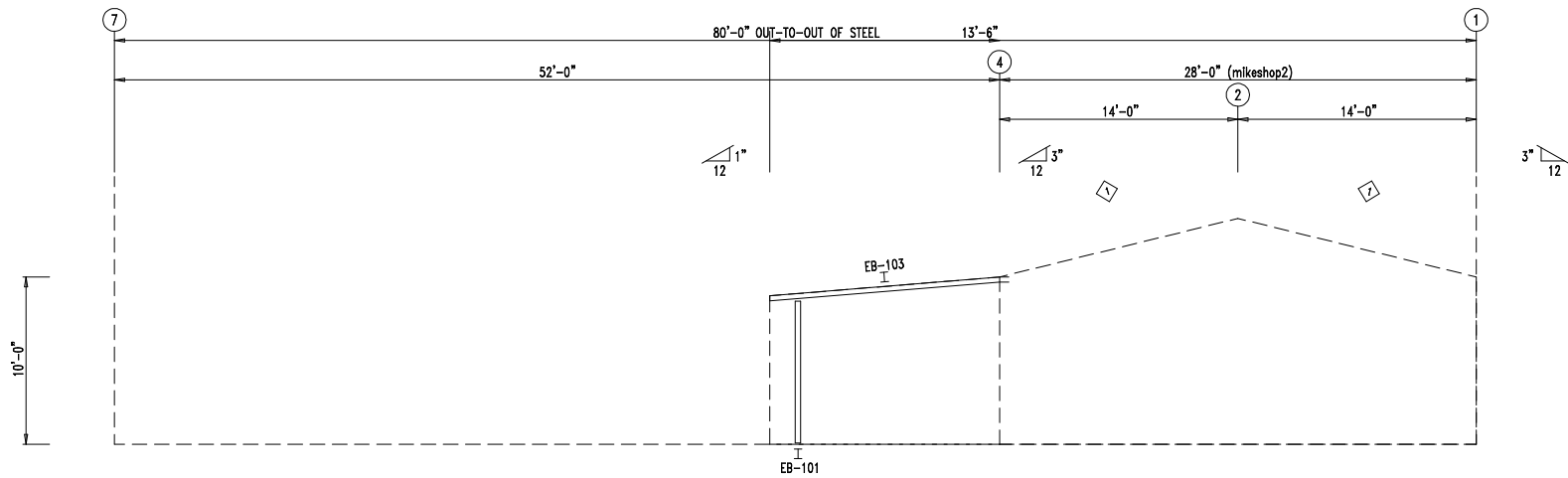
TRIM TABLE FRAME LINE E			
ID	MARK	LENGTH	DETAIL
2	FL72	10'-2"	TRIM_74
3	FL830	10'-2"	TRIM_198
4	FL46	10'-2"	
5	FL501	10'-2"	
6	MTR LT	10'-2"	
7	LEFT	6"	
8	FL501D	2'-0"	
9	MTR RT	10'-2"	
10	RIGHT	6"	

MEMBER TABLE FRAME LINE E		
MARK	PART	LENGTH
EB-100	WBX10	13'-10 1/4"
EB-101	WBX10	8'-2 3/8"
EC-100	WBX10	8'-10 1/8"
EC-101	WBX10	11'-9 5/8"
EC-102	WBX10	8'-10 1/8"
ER-100	WBX10	14'-5 3/16"
ER-101	WBX10	14'-5 3/16"
G-100	8X25Z16	12'-4"

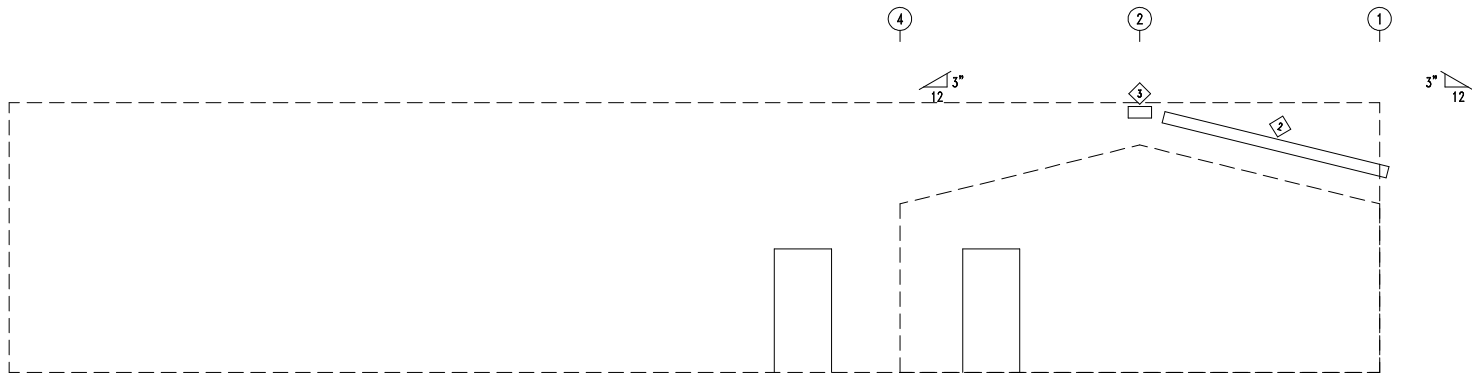
ANGLE TABLE FRAME LINE E		
ID	MARK	LENGTH
1	L4x2	20'-0"

CONNECTION PLATES FRAME LINE E		
ID	MARK/PART	
1	SC-5	

Fierce Steel Structures				
PROJECT	PROJECT	ENDWALL FRAMING		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE: 6/21/24	SHEET	OF
ADDRESS	PROJ ADR 2			



ENDWALL FRAMING: FRAME LINE C



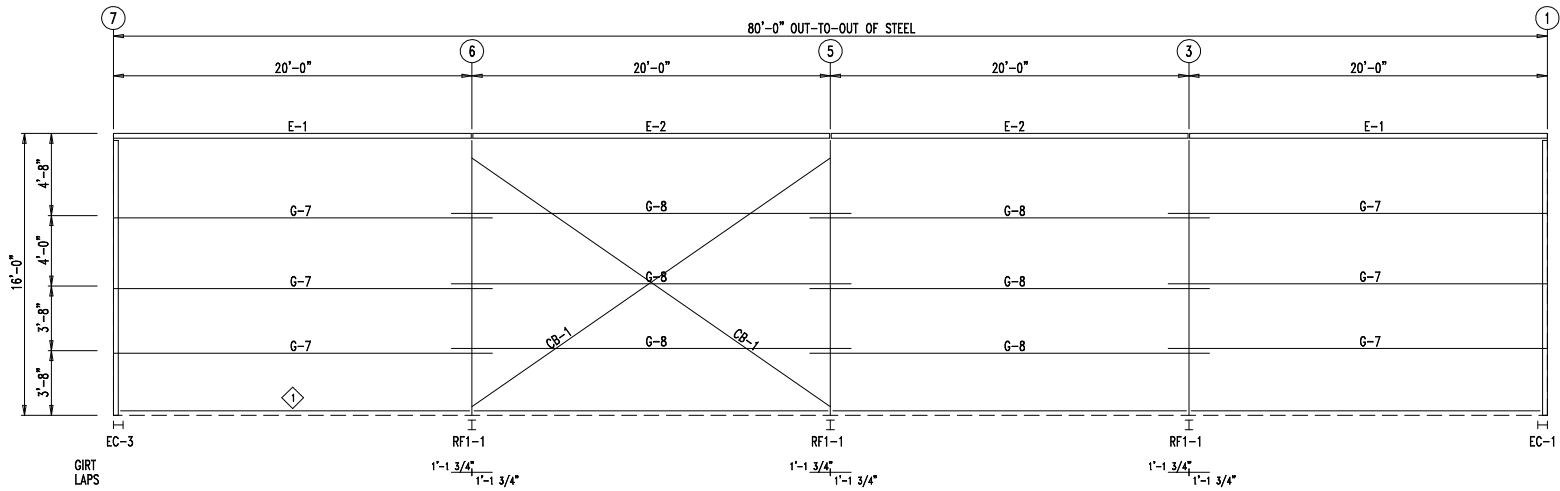
ENDWALL SHEETING & TRIM: FRAME LINE C

MEMBER TABLE FRAME LINE C		
MARK	PART	LENGTH
EB-101	WBX10	8'-2 3/8"
EB-103	WBX10	13'-10 1/4"

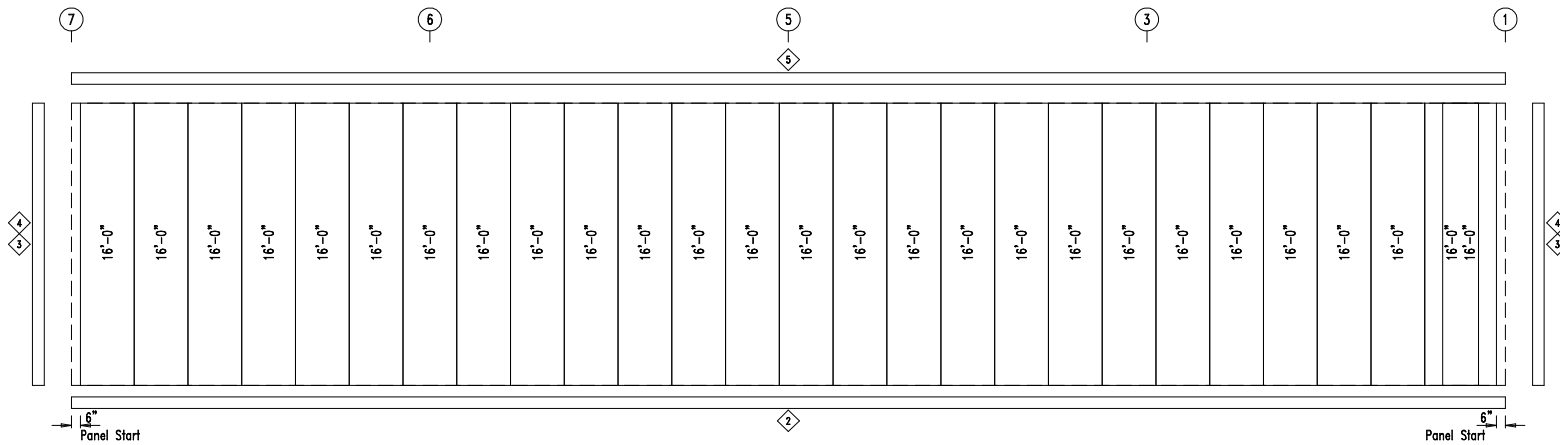
TRIM TABLE FRAME LINE C		
ID	MARK	LENGTH
2	FL501	10'-2"
3	FL501D	2'-0"

ANGLE TABLE FRAME LINE C		
ID	MARK	LENGTH
1	L4x2	20'-0"

Fierce Steel Structures				
PROJECT	PROJECT	SIDEWALL FRAMING		
ID	mikesopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE:	6/21/24	SHEET OF
ADDRESS	PROJ ADR 2			



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A
PANELS: 26 Ga. PA - Hawaiian Blue

TRIM TABLE FRAME LINE A			
◇ ID	MARK	LENGTH	DETAIL
2	FL72	10'-2"	TRIM_74
3	FL833	16'-0"	TRIM_198
4	FL46C	16'-0"	
5	FL19A	20'-2"	TRIM_316

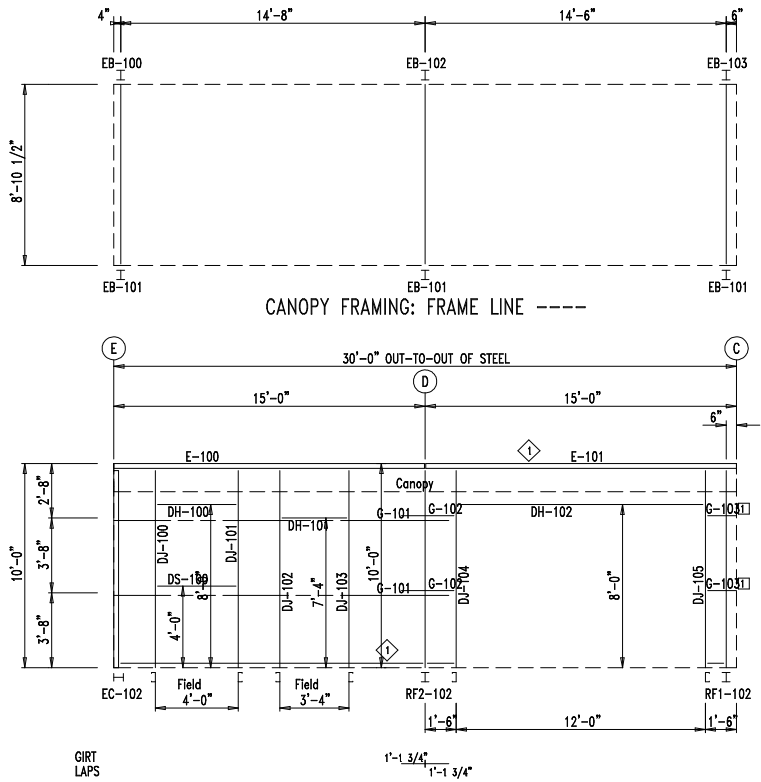
MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
E-1	E085343L	19'-11 1/2"
E-2	E085343L	19'-11 1/2"
G-7	8X25Z16	21'-1 1/2"
G-8	8X25Z16	22'-3 1/2"
CB-1	CB0250	22'-11 3/4"

ANGLE TABLE FRAME LINE A		
◇ ID	MARK	LENGTH
1	L4x2	20'-0"

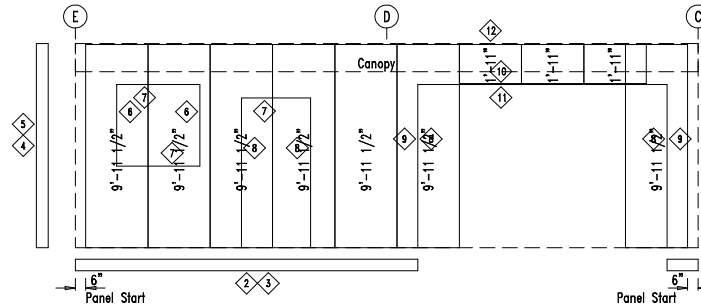
Fierce Steel Structures				
PROJECT	PROJECT	SIDEWALL FRAMING		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE: 6/21/24	SHEET	OF
ADDRESS	PROJ ADR 2			



Fierce Steel Structures				
PROJECT	PROJECT	SIDEWALL FRAMING		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	PROJ ADR 1 PROJ ADR 2	DATE: 6/21/24	SHEET	OF



SIDEWALL FRAMING: FRAME LINE 4



SIDEWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Ga. PA - Hawaiian Blue

BOLT TABLE FRAME LINE 4				
LOCATION	QUAN	TYPE	DIA	LENGTH
EB-101/EB-100	4	A325	1/2"	1 1/4"
EB-101/EB-102	4	A325	1/2"	1 1/4"
EB-101/EB-103	4	A325	1/2"	1 1/4"

TRIM TABLE FRAME LINE 4			
ID	MARK	LENGTH	DETAIL
2	FL72	10'-2"	TRIM_74
3	FL72	SCRAP	TRIM_74
4	FL830	10'-2"	TRIM_198
5	FL46	10'-2"	
6	FL47	7'-3"	
7	FL25	7'-1"	
8	FL48	10'-2"	
9	FL-37	10'-2"	TRIM_242
10	FL-37	10'-2"	TRIM_235
11	FL268	12'-4"	
12	FL195	10'-2"	TRIM_309

MEMBER TABLE FRAME LINE 4		
MARK	PART	LENGTH
EB-100	WBX10	13'-10 1/4"
EB-101	WBX10	8'-2 3/8"
EB-102	WBX15	13'-10 1/4"
EB-103	WBX10	13'-10 1/4"
DJ-100	8X25c16	9'-5 3/4"
DJ-101	8X25c16	9'-5 3/4"
DJ-102	8X25c16	9'-5 3/4"
DJ-103	8X25c16	9'-5 3/4"
DJ-104	8X25c16	9'-5 3/4"
DJ-105	8X25c16	9'-5 3/4"
DH-100	8X25c16	3'-11 1/2"
DH-101	8X25c16	3'-3 1/2"
DH-102	8X25c16	11'-11 1/2"
DS-100	8X25c16	3'-11 1/2"
E-100	E085343L	14'-11 1/2"
E-101	E085343L	14'-11 1/2"
G-101	8X25Z16	16'-1 1/2"
G-102	8X25Z16	2'-3 1/2"
G-103	8X25Z16	1'-1 1/2"

ANGLE TABLE FRAME LINE 4	
ID	MARK
1	L4x2

CONNECTION PLATES FRAME LINE 4	
ID	MARK/PART
1	SC-5

Fierce Steel Structures				
PROJECT	PROJECT	SIDEWALL FRAMING		
ID	mikeshopp	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE:	6/21/24	SHEET
ADDRESS	PROJ ADR 2			OF