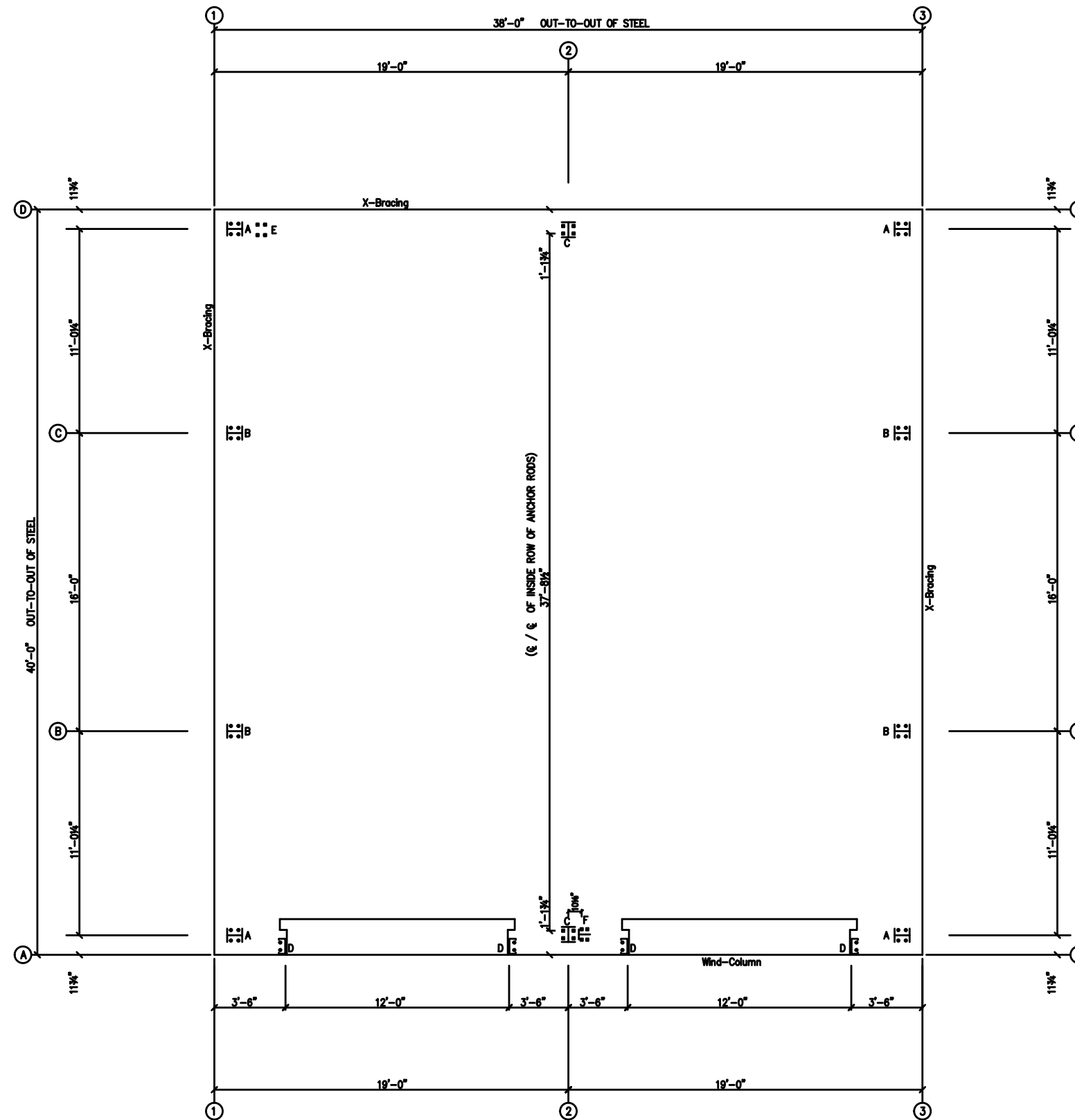




PRELIMINARY DRAWING USE ONLY FOR REFERENCE.



ANCHOR ROD PLAN  
NOTE: All Base Plates @ 100'-0" (FINISH FLOOR)(UNLESS NOTED)

ANCHOR RODS HAVE BEEN DESIGNED FOR SHEAR AND TENSION LOADS ONLY, PER APPENDIX D OF ACI 318-08.

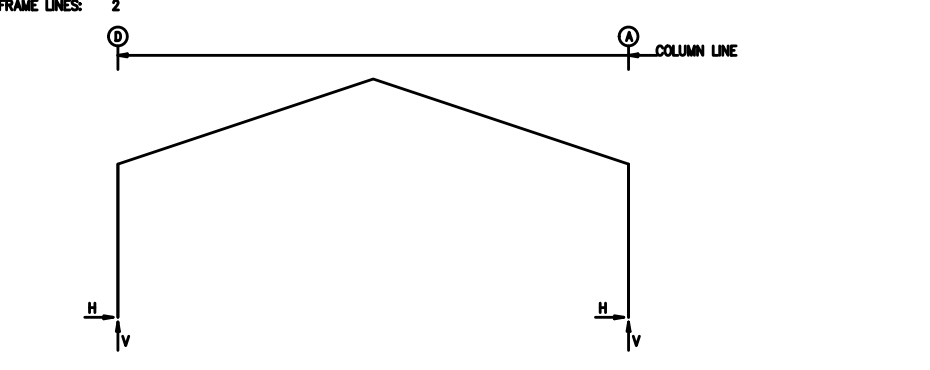
DESIGN OF SHEAR ANGLES, TENSION PLATES, HAIRPINS, AND ANY OTHER EMBEDDED MATERIAL IN THE CONCRETE SHALL BE DETERMINED BY THE FOUNDATION DESIGN ENGINEER AND PROVIDED BY OTHERS.

ANCHOR ROD PROJECTION IS FROM BOTTOM OF BASE PLATE, UNLESS GROUT IS REQUIRED.

DIA.	PROJ.	DETAIL
1/2"	1 1/2"	
5/8"	2"	
3/4"	2 1/2"	
7/8"	3 1/2"	
1"	3 1/2"	
1 1/4"	3 1/2"	

ANCHOR RODS (BY OTHERS)

<input checked="" type="checkbox"/> DESIGNER <input checked="" type="checkbox"/> CHECKER <input checked="" type="checkbox"/> APPROVER	DATE: 11/12/2011 TIME: 10:00 AM PROJECT: ANCHOR ROD PLAN		SHEET NO. 1 OF 1 TOTAL SHEETS: 1
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**RIGID FRAME: BASIC COLUMN REACTIONS (k)**

Frame Line	Column Line	Dead		Collateral		Live		Snow		Wind_Left1		Wind_Right1	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
2	D	0.5	1.4	0.6	1.5	2.3	5.7	2.0	5.0	-3.3	-9.2	0.5	-6.5
2	A	-0.5	1.4	-0.6	1.5	-2.3	5.7	-2.0	5.0	-0.5	-6.5	5.3	-9.2

Frame Line	Column Line	Wind_Left2		Wind_Right2		Wind_Long1		Wind_Long2		Seismic_Left		Seismic_Right	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
2	D	-5.4	-5.5	0.5	-2.7	0.0	-9.2	-1.1	-8.3	-0.2	-0.1	0.2	0.1
2	A	-0.5	-2.7	5.4	-5.5	1.1	-35.2	0.0	-36.1	-0.2	0.1	0.2	-0.1

Frame Line	Column Line	Seismic_Long		FIUNB_SL_L		FIUNB_SL_R	
		Horz	Vert	Horz	Vert	Horz	Vert
2	D	0.0	-0.2	1.7	4.8	1.7	2.9
2	A	0.0	-11.4	-1.7	2.9	-1.7	4.8

**ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)**

Frm Line	Col Line	Dead		Collat		Live		Snow		Wind_Left1		Wind_Right1		Wind_Left2		Wind_Right2	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	0.2	0.1	0.8	0.4	1.5	-3.0	0.0	1.2	1.5	-2.4	0.0	1.8				
1	C	0.6	0.5	3.0	1.6	0.0	-1.6	1.5	-4.5	0.0	-0.7	1.5	-3.7				
1	B	0.6	0.5	3.0	1.6	0.0	-2.0	1.6	-3.6	0.0	-1.1	0.0	-2.7				
1	A	0.2	0.1	0.8	0.4	0.0	-1.3	0.0	-1.0	0.0	-0.7	0.0	-0.3				

Frm Line	Col Line	Wind_Press		Wind_Suct		Wind_Long1		Wind_Long2		Seis_Left		Seis_Right		Seis_Long	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	-3.2	-1.4	0.8	1.4	0.0	-0.2	0.7	-1.6	0.2	-0.3	0.0	0.4	-0.4	-0.2
1	C	-2.1	0.0	2.3	0.0	0.7	-4.4	0.0	-1.3	0.0	0.3	0.2	-0.4	0.0	0.0
1	B	-2.1	0.0	2.3	0.0	0.0	-2.2	0.0	-3.3	0.0	0.0	0.0	0.0	0.0	0.0
1	A	-0.7	0.0	0.8	0.0	0.0	-0.7	0.0	-1.3	0.0	0.0	0.0	0.0	0.0	0.0

Frm Line	Col Line	EIUNB_SL_L		EIUNB_SL_R	
		Horz	Vert	Horz	Vert
1	D	0.0	0.4	0.0	0.1
1	C	0.0	1.8	0.0	0.8
1	B	0.0	0.8	0.0	1.8
1	A	0.0	0.1	0.0	0.4

**RIGID FRAME: MAXIMUM REACTIONS, ANCHOR RODS, & BASE PLATES**

Frm Line	Col Line	Column_Reactions(k)				Hmin	V	Bolt(n)	Dia	Base_Plate(in)			Grout (in)
		Load Id	Hmax	Vmax	Load Id					Width	Length	Thick	
2	D	1	3.4	8.6	4	-2.9	-2.4	4	0.750	6.000	12.000	0.500	0.0
2	A	5	2.9	-2.4	1	-3.4	8.6	4	0.750	6.000	12.000	0.500	0.0
		2	-2.3	16.6	6	-0.3	-20.8						

**NOTES FOR REACTIONS**

Building reactions are based on the following building data:

- Width (ft) = 40.0
- Length (ft) = 38.0
- Eave Height (ft) = 12.0/12.0
- Roof Slope (rise/12) = 4.0/4.0
- Dead Load (psf) = 2.0
- Collateral Load (psf) = 3.0
- Roof Live Load (psf) = 20.0
- Frame Live Load (psf) = 12.0
- Snow Load (psf) = 10.5
- Wind Speed (mph) = 120.0
- Wind Code = IBC 15
- Exposure = B
- Closed/Open = C
- Importance Wind = 1.00
- Importance Seismic = 1.00
- Seismic Zone = C
- Seismic Coeff (FoS) = 0.30

**ID Description**

- 1 Dead+Collateral+Live
- 2 Dead+Collateral+0.75Live+0.45Wind\_Long1R
- 3 0.6Dead+0.6Wind\_Left1
- 4 0.6Dead+0.6Wind\_Left2
- 5 0.6Dead+0.6Wind\_Right2
- 6 0.6Dead+0.6Wind\_Long2L
- 7 0.6Dead+0.6Wind\_Left1+0.6Wind\_Suction
- 8 0.6Dead+0.6Wind\_Pressure+0.6Wind\_Long2L
- 9 Dead+Collateral+0.75Live+0.45Wind\_Right2+0.45Wind\_Suction
- 10 0.6Dead+0.6Wind\_Right1+0.6Wind\_Suction
- 11 0.6Dead+0.6Wind\_Pressure+0.6Wind\_Long1L
- 12 0.6Dead+0.6Wind\_Suction+0.6Wind\_Long1L
- 13 0.6Dead+0.6Wind\_Suction+0.6Wind\_Long2L

**ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR RODS, & BASE PLATES**

Frm Line	Col Line	Column_Reactions(k)				Hmin	V	Bolt(n)	Dia	Base_Plate(in)			Grout (in)
		Load Id	Hmax	Vmax	Load Id					Width	Length	Thick	
1	D	7	0.5	-0.8	8	-1.9	-1.6	4	0.625	6.000	8.000	0.375	0.0
1	C	9	1.4	-2.4	11	-1.2	-2.2	4	0.625	6.000	8.000	0.375	0.0
1	B	10	1.4	-1.8	8	-1.2	-1.6	4	0.625	6.000	8.000	0.375	0.0
1	A	7	0.5	-0.7	8	-0.4	-0.6	4	0.625	6.000	8.000	0.375	0.0
3	A	12	0.5	-0.6	11	-0.4	-0.6	4	0.625	6.000	8.000	0.375	0.0
3	B	7	1.4	-2.6	8	-1.2	-1.3	4	0.625	6.000	8.000	0.375	0.0
3	C	10	1.4	-2.6	11	-1.2	-1.3	4	0.625	6.000	8.000	0.375	0.0
3	D	13	0.5	-0.6	8	-0.4	-0.6	4	0.625	6.000	8.000	0.375	0.0

**BUILDING BRACING REACTIONS**

Wall Loc	Col Line	± Reactions(k)				Panel_Shear (b/r)	Note
		Horz	Vert	Horz	Vert		
L_SW	1	D,C	1.5	1.9	0.2	0.3	(g)
F_SW	A	2					
R_SW	3	B,C	1.5	1.3	0.2	0.2	
B_SW	D	2,I	2.5	1.4	0.4	0.2	

(g) Wind column at column line

**WIND COLUMN REACTIONS**

Wall Loc	Col Line	R/L	Load_ID	± Reactions			Anc_Bolt Qty	Dia	Base_Plate(in)			
				Horz (k)	Vert (k)	Moment (F-k)			Width	Length	Thick	
F_SW	A	2	R	2.5	28.3	28.2	4	0.750	6.000	7.000	0.500	
			Wind Seismic	1.0	11.4	11.4						

PRELIMINARY DRAWING USE ONLY FOR REFERENCE.

<p><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE				<p><b>PROJECT INFORMATION</b></p> <p>PROJECT NO. _____</p> <p>DATE _____</p>	<p><b>DESIGNER</b></p> <p>NAME _____</p> <p>DATE _____</p>	<p><b>CHECKER</b></p> <p>NAME _____</p> <p>DATE _____</p>	<p><b>APPROVER</b></p> <p>NAME _____</p> <p>DATE _____</p>
NO.	DESCRIPTION	DATE								

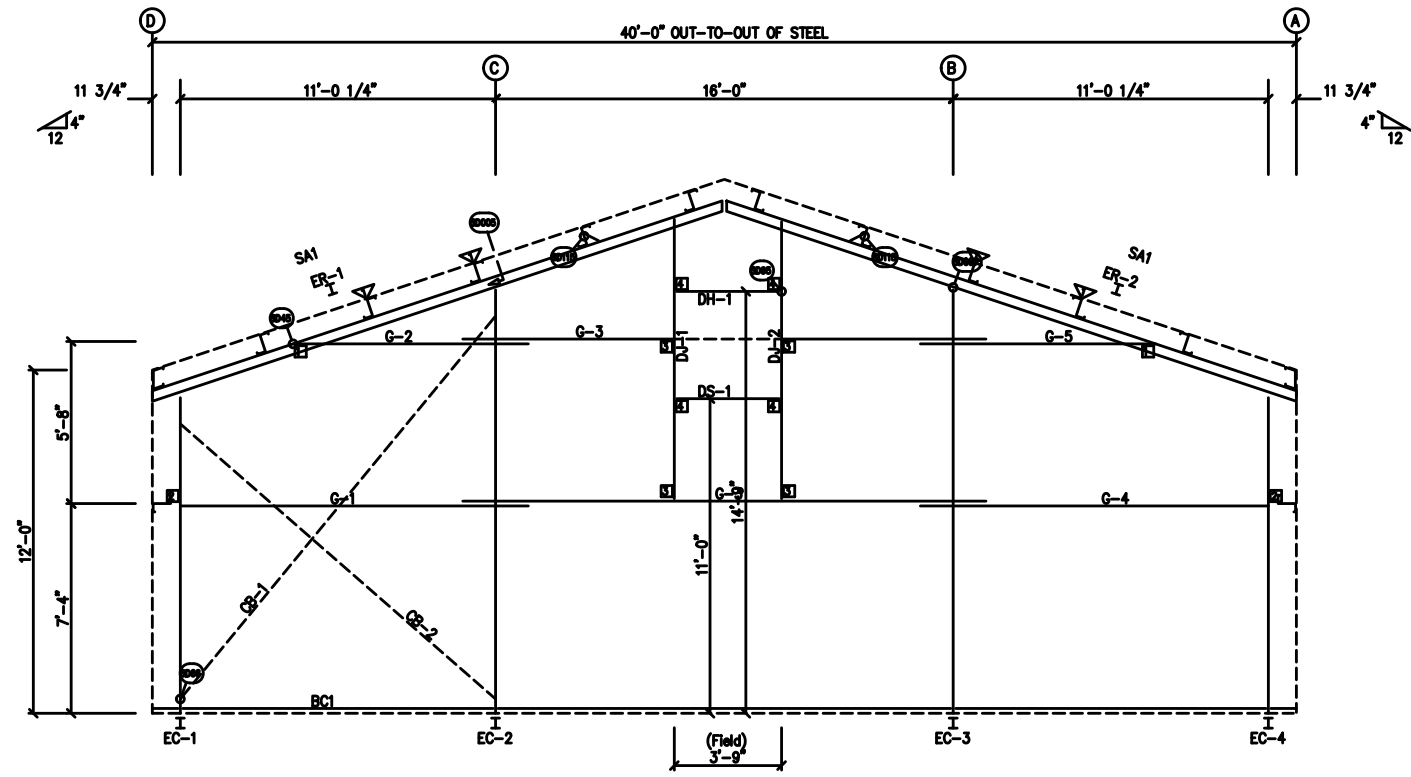
# PRELIMINARY DRAWING USE ONLY FOR REFERENCE.

BOLTY TABLE FRAME LINE 1 & 3			
LOCATION	QUAN	TYPE	LENGTH
ER-1/ER-2	8	A325	5/8" 1 3/4"
ER-3/ER-3	8	A325	5/8" 1 3/4"
Column/Raf	2	A325	5/8" 1 1/4"
Jamb	2	A307	1/2" 1"

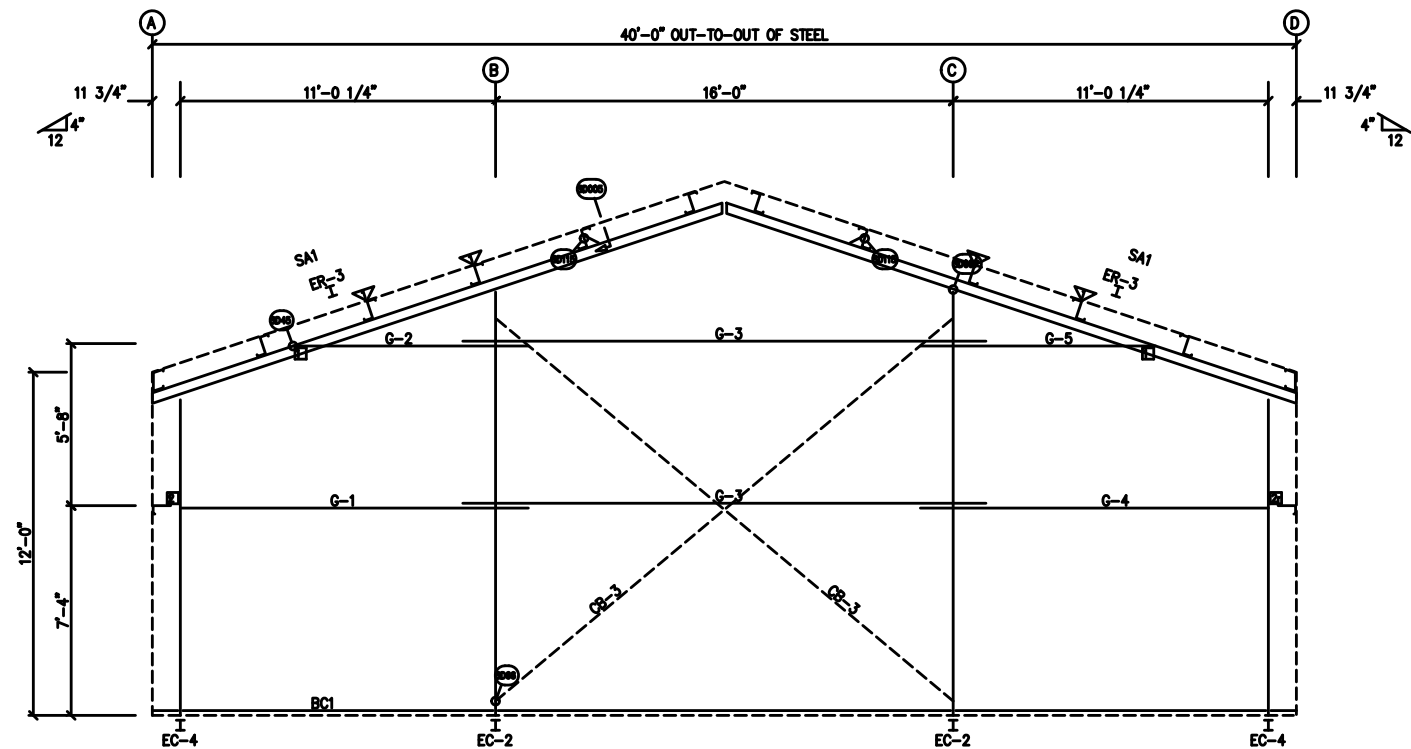
FLANGE BRACE TABLE FRAME LINE 1 & 3	
WELD MARK	LENGTH
1 FB1A	12'-9 3/4"

CONNECTION PLATES FRAME LINE 1 & 3	
WELD MARK/PART	
1 d1	
2 CL-64	
3 CL-103	
4 CL-100	

MEMBER TABLE FRAME LINE 1 & 3	
MARK	PART
EC-1	
EC-2	
EC-3	
EC-4	
ER-1	
ER-2	
ER-3	
DJ-1	
DJ-2	
DH-1	
DS-1	
G-1	
G-2	
G-3	
G-4	
G-5	
CB-1	
CB-2	
CB-3	



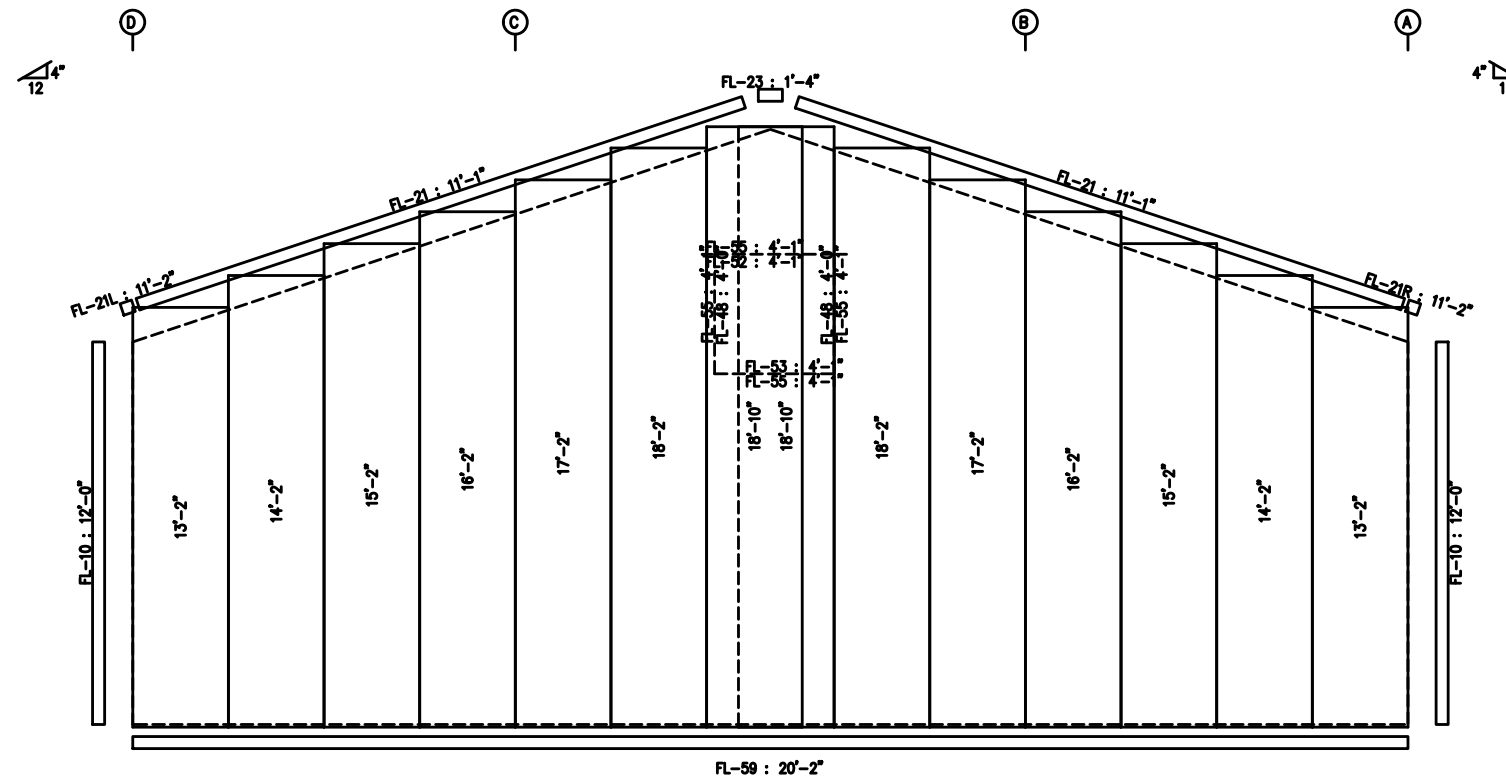
GIRT LAPS  
 $1'-1 3/4"$   
 $1'-1 3/4"$   
**ENDWALL FRAMING: FRAME LINE 1**



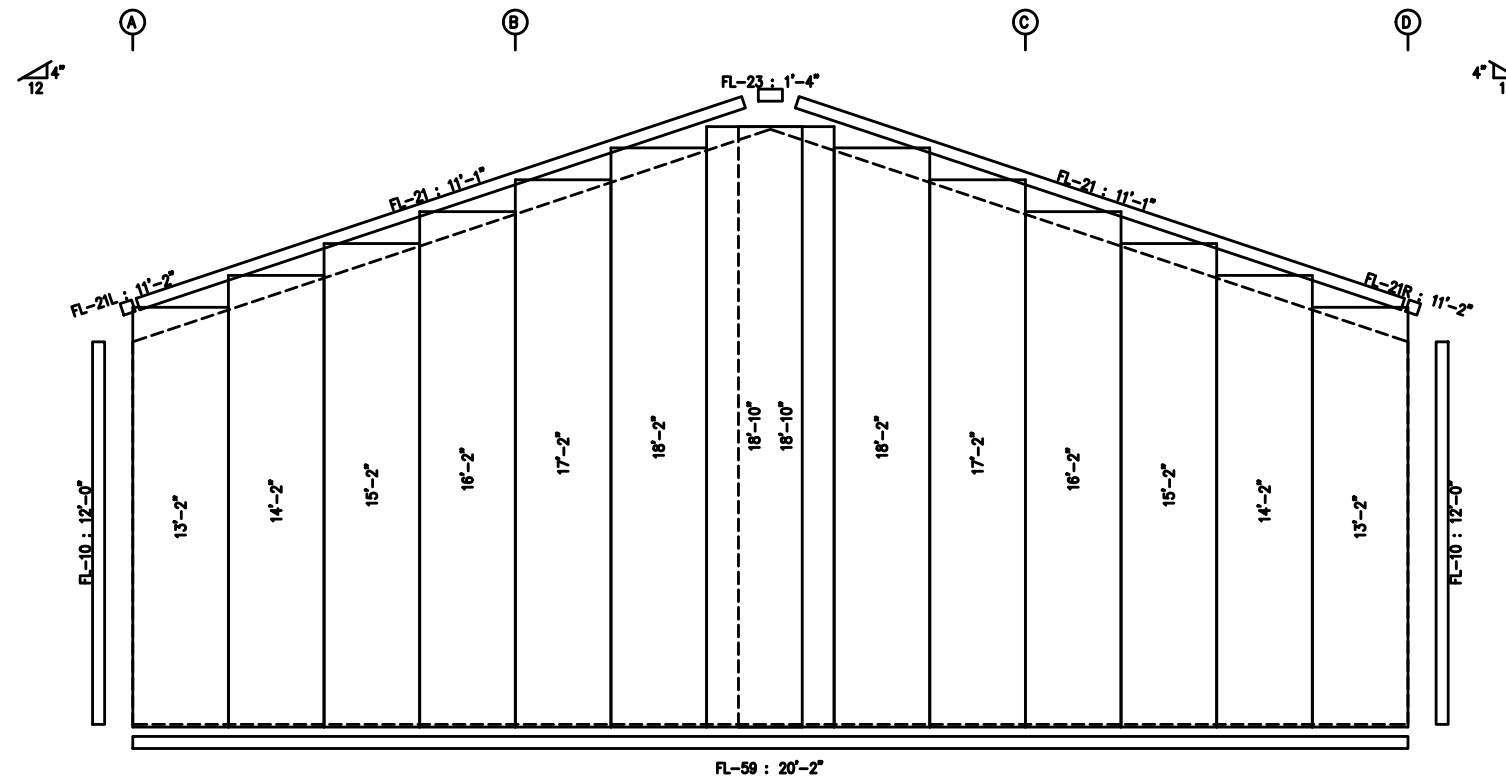
GIRT LAPS  
 $1'-1 3/4"$   
 $1'-1 3/4"$   
**ENDWALL FRAMING: FRAME LINE 3**

<input checked="" type="checkbox"/> DESIGNER <input checked="" type="checkbox"/> CHECKER <input checked="" type="checkbox"/> APPROVER	DATE: 11/1/2011 TIME: 10:00 AM		PROJECT: 1111111111 SHEET: 11 of 11
	DRAWN BY: 1111111111 SCALE: 1/8" = 1'-0"		REVISIONS:

# PRELIMINARY DRAWING USE ONLY FOR REFERENCE.



ENDWALL SHEETING & TRIM: FRAME LINE 1  
 PANELS: 26 Ga. PBR - Rustic Red



ENDWALL SHEETING & TRIM: FRAME LINE 3  
 PANELS: 26 Ga. PBR - Rustic Red

REV.	DATE	BY	CHK.

NO.	DESCRIPTION	DATE	BY	CHK.
1				
2				
3				

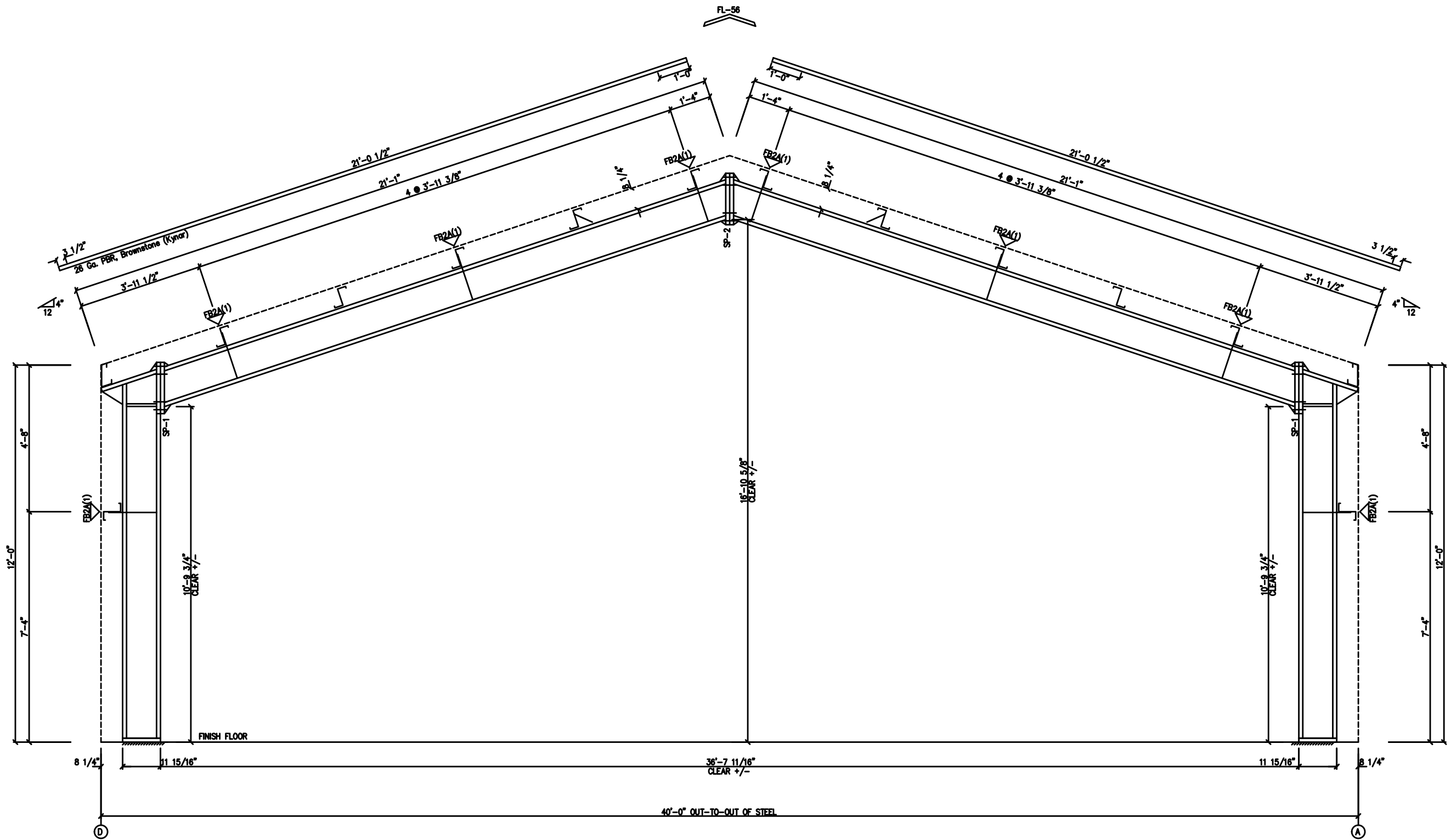
**SBS** SPECIALTY SHEET METAL SYSTEMS  
 12000 W. 12th Ave., Suite 100  
 Golden, CO 80401  
 (303) 440-8800  
 www.sbsmetal.com

**GENERAL NOTES:**  
 TRIM IS FIGURED WITH 2" TRIM LAP UNLESS NOTED ON A DETAIL.  
 FIELD CUT PANELS AT FRAMED OPENINGS, WALKDOORS, AND WINDOWS.  
 BEVEL-CUT ENDWALL PANELS AS REQUIRED.

SPLICE PLATE & BOLT TABLE										
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	0	A325	5/8"	2"	6"	3/8"	1'-7 5/16"	
SP-2	4	4	0	A325	5/8"	1 3/4"	6"	3/8"	1'-7 5/16"	

FLANGE BRACES: FB2x (1 or 2)  
 x=length(in)  
 (1) One Side; (2) Two Sides  
 A - 2X2X14Ga

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MAIN FRAME ELEVATION: FRAME LINE 2

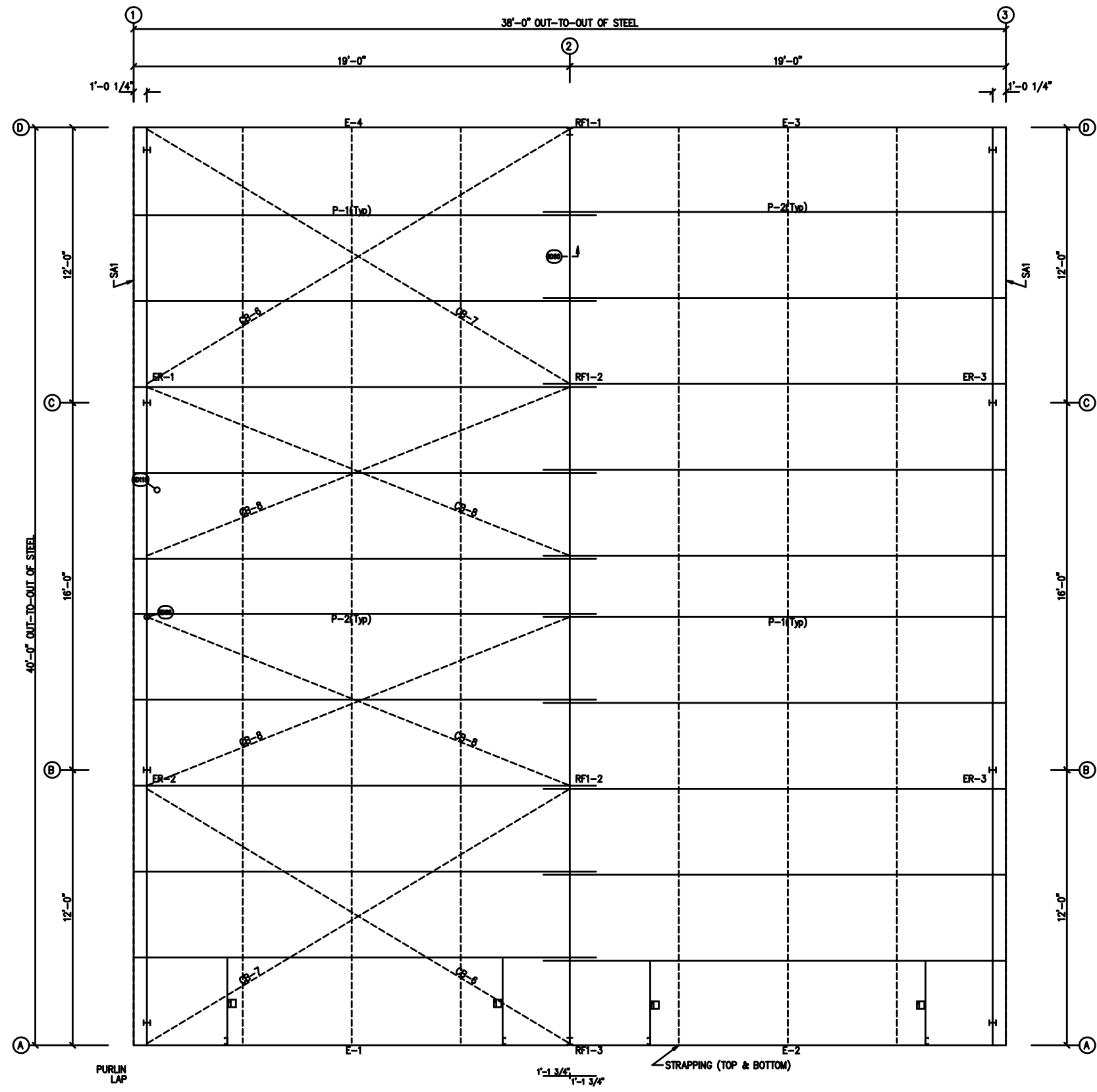
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PRELIMINARY DRAWING USE ONLY FOR REFERENCE.

MEMBER TABLE	
MARK	PART
P-1	-----
P-2	-----
F-1	-----
F-2	-----
F-3	-----
F-4	-----
CB-6	-----
CB-7	-----
CB-8	-----

CONNECTION PLATES	
MARK	PART
RF1-1	-----
RF1-2	-----
RF1-3	-----
ER-1	-----
ER-2	-----
ER-3	-----



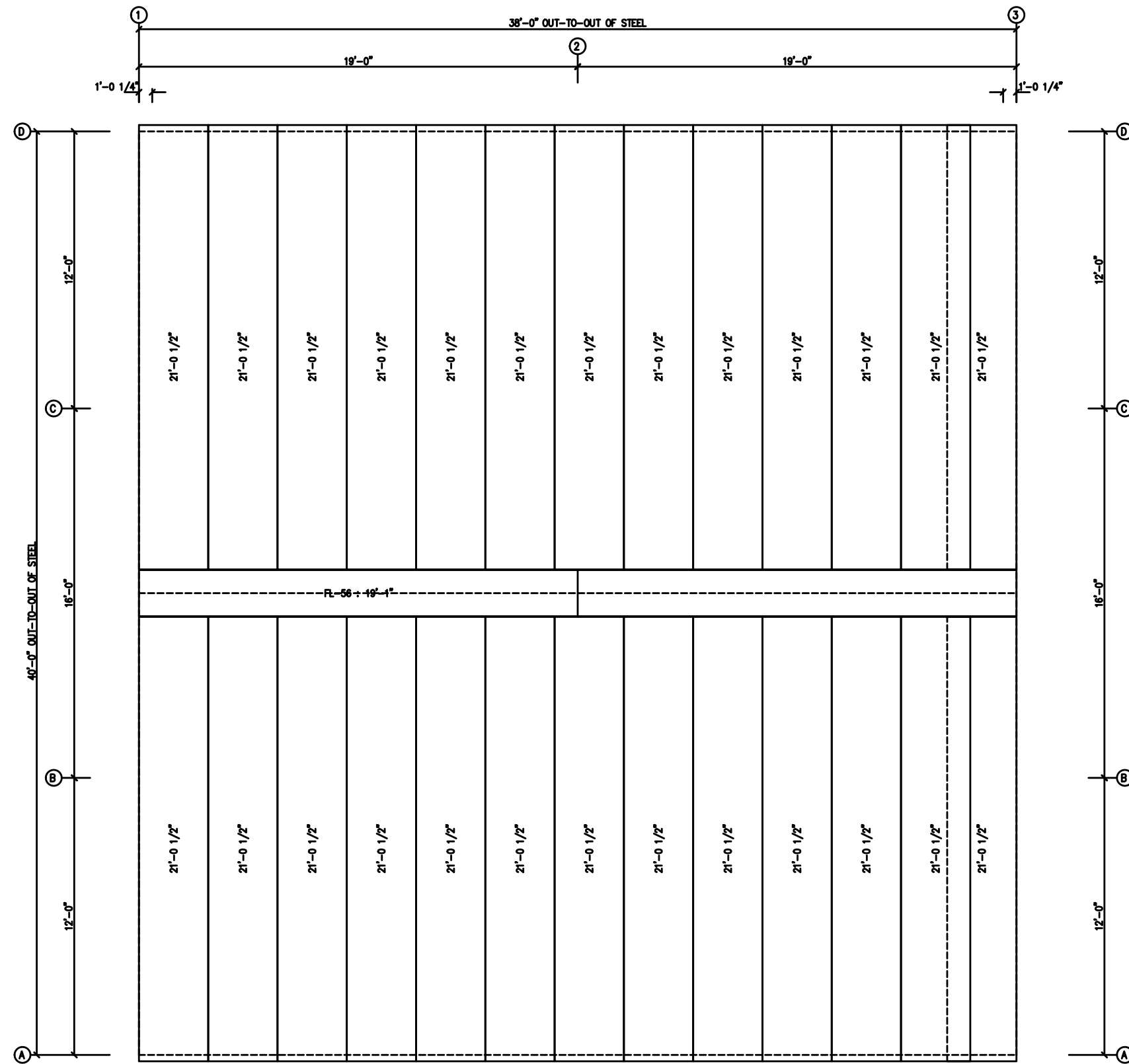
ROOF FRAMING PLAN

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMITS	11/12/21	J. [Name]	[Name]
2	ISSUED FOR CONSTRUCTION			

<b>SBS</b>		CONSTRUCTION SERVICES
11111 11111	11111 11111	11111 11111
11111 11111	11111 11111	11111 11111

PRELIMINARY DRAWING USE ONLY FOR REFERENCE.



ROOF SHEETING PLAN  
 PANELS: 26 Ga. PBR - Bromstone (Kynar)

<input checked="" type="checkbox"/> DESIGNER <input checked="" type="checkbox"/> CHECKED <input checked="" type="checkbox"/> APPROVED		DATE: 11/12/2011 TIME: 10:00 AM			26 GA. PBR - BROMSTONE (KYNAR) 12' x 21' PANELS 1/2" RISE 1/2" FALL
PROJECT NO.: 11100000000000000000 SHEET NO.: 11100000000000000000		DRAWN BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name]			

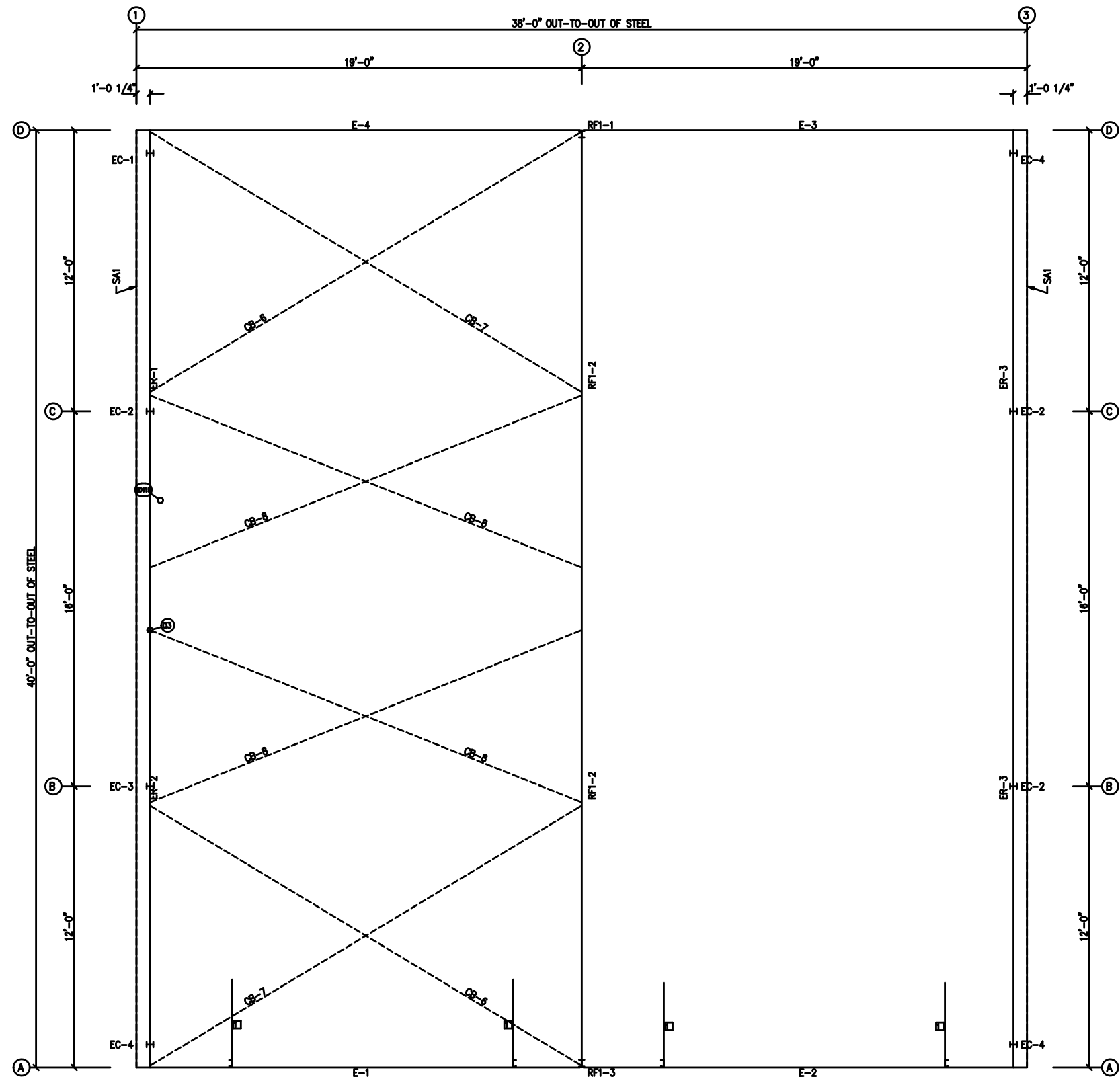


PRELIMINARY DRAWING USE ONLY FOR REFERENCE.

MEMBER TABLE	
ROOF PLAN	
MARK	PART
E-1	-----
E-2	-----
E-3	-----
E-4	-----
CB-6	-----
CB-7	-----
CB-8	-----

CONNECTION PLATES	
ROOF PLAN	
ID	MARK/PART
1	11B-1



ROOF FRAMING PLAN

DRAWING DATA		REVISIONS		SBS	
NO.	DATE	NO.	DATE	NO.	DATE
1	11/12/11	1	11/12/11	1	11/12/11

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.  
 ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.  
 ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.  
 ALL DIMENSIONS ARE TO OUTLINE UNLESS OTHERWISE NOTED.  
 ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.

PROJECT NO. 11111111  
 SHEET NO. 11111111  
 DATE 11/12/11  
 DRAWN BY 11111111  
 CHECKED BY 11111111  
 APPROVED BY 11111111

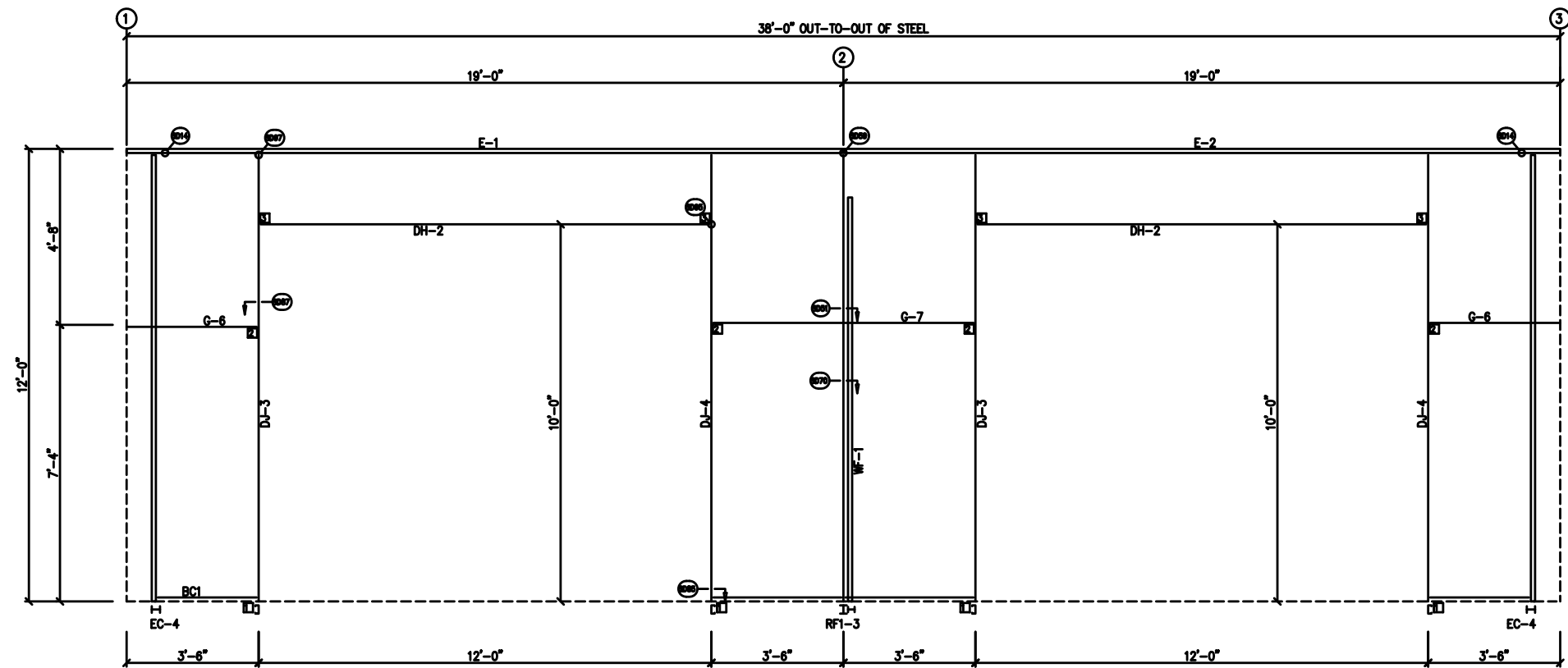


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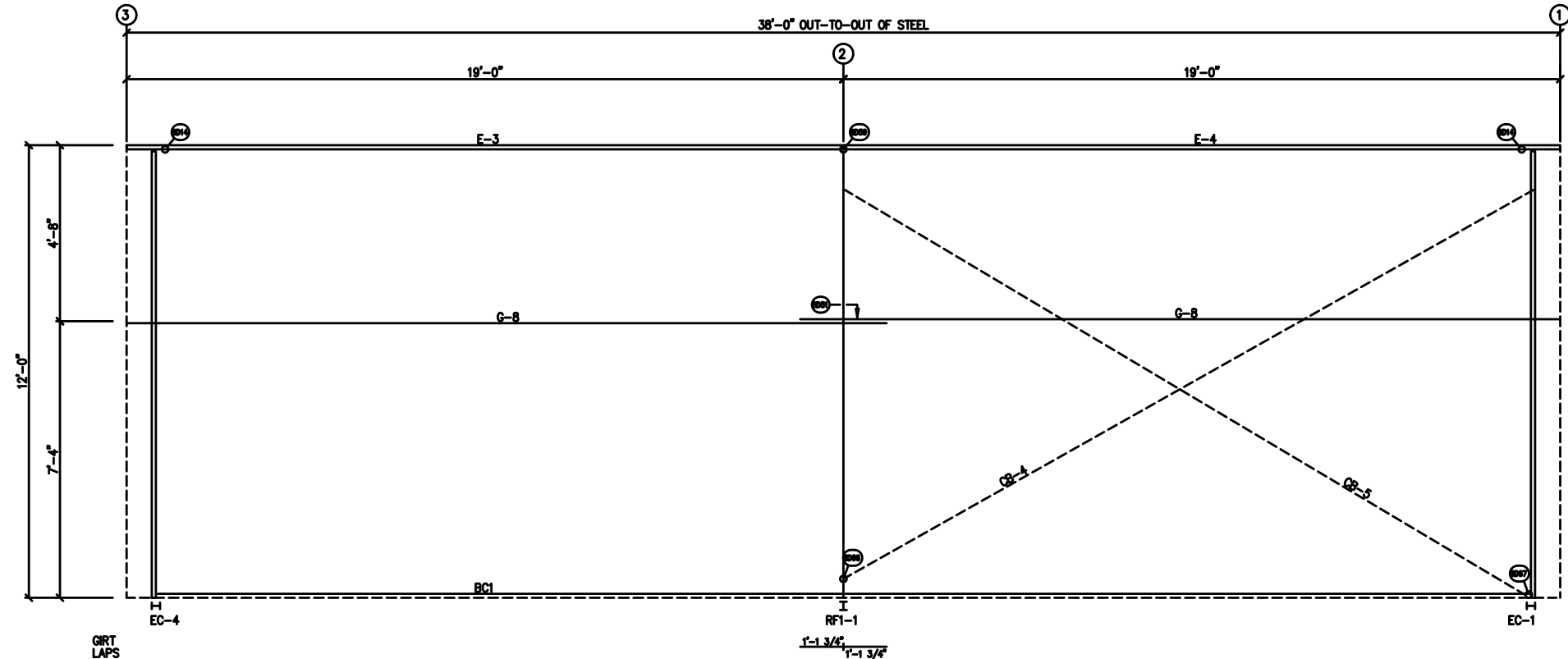
BOLTY TABLE			
FRAME LINE A & D	QUAN	TYPE	DIA
WF-1 - RF1-3	6	A325	5/8"

MEMBER TABLE	
MARK	PART
WF-1	
DJ-3	
DJ-4	
DH-2	
F-1	
F-2	
F-3	
F-4	
G-6	
G-7	
G-8	
CB-4	
CB-5	

CONNECTION PLATES	
FRAME LINE A & D	ID MARK/PART
1	CL-104
2	CL-103
3	CL-100



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL FRAMING: FRAME LINE D

GIRT LAPS

NO.	DESCRIPTION	DATE	BY	CHKD

**SBS** CONSULTING ENGINEERS  
 10000 W. 10th Ave., Suite 100  
 Golden, CO 80401  
 (303) 440-8800  
 www.sbs-engineers.com