

**DESIGN NOTES:**

This is to certify that the following project has been designed in accordance with the 2018 IBC

for the following loads and deflections:

**COMMON DATA:**

Building Code = 2018 IBC  
 Building Occupancy = II - Normal  
 Wind Speed, Vult = 106.00 mph  
 Wind Speed, Vasd = 82.11 mph  
 Ground Snow, Pg = 5.0000 psf  
 Roof Snow, Pf = 3.5000 psf  
 Importance = 1.0000  
 Seismic Design Category = A  
 Importance = 1.0000  
 Site Class = d  
 Analysis Procedure = Equivalent Lateral Force

PROJECT DIMENSIONS					
PROJECT:	WIDTH (ft)	LENGTH (ft)	HEIGHT (ft)	PITCH	POROSITY & Cpi
A	68	62	21	2.0:12	
B	80	175	24	2.0:12	

PROJECT LOADING (Building Specific)					
PROJECT:	DEAD (psf)	LIVE (psf)	Coll. (psf)	SNOW (psf)	SNOW DRIFT
A	2.000	20.00	0.5	3.5000	47.36 psf and 12.93 ft
B	2.000	20.00	0.5	3.5000	

SEISMIC VALUES											
PROJECT	Ss	S1	Sds	Sd1	Cs (long.)	Cs (trans)	Long. SFRS	Trans. SFRS	R_long	R_trans	
A	0.1129	0.0318	0.1195	0.0496	0.04	0.04	OSMF	OSCBF	3	3	
B	0.1129	0.0318	0.1195	0.0496	0.04	0.04	OSMF	OSMF	3	3	

Drawing Status:

FOR APPROVAL:  
THESE DRAWINGS, BY DEFINITION, ARE NOT FINAL, AND ARE FOR CONCEPTUAL USE ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED COMPLETE.

FOR PERMIT:  
THESE DRAWINGS ARE FOR PERMIT USE ONLY, AND AS SUCH, PIECE MARKS MAY NOT BE IDENTIFIED. ONLY DRAWINGS LABELED "FOR CONSTRUCTION" CAN BE CONSIDERED COMPLETE.

FOR CONSTRUCTION:  
FINAL DRAWINGS.

DRAWING INDEX	
PAGE ID	DESCRIPTION
C1 of 2	Drawing Cover
C2 of 2	General Notes
A1 - A5	Anchor Bolt Plan/Details
E1 - E2	Roof Framing/Sheeting
E3 - E6	Endwall Framing/Sheeting
E7 - E11	Sidewall Framing/Sheeting
E12 - E22	Rigid Frame Drawings
E23 - E23	Partition Walls
E24 - E31	Crane Drawings
E32 - E34	Mezzanine Drawings
---	Jack Beams
E35 - E38	Wall/Roof Insulation
E39 - E39	Wall/Roof Liner Panels
E40 - E53	Wind Brace
E54 - E55	Details

PANELS/INSULATION	
Roof Panels:	PBR
Roof Insulation:	VR Thick. 3 in.
Wall Panels:	PBR
Wall Insulation:	VR Thick. 3 in.

DEFLECTION LIMITS	
EW COLUMN	H/180
EW RAFTER	L/180
GIRT (live)	L/90
PURLIN (live)	L/180
PANEL (live)	L/60
FRAME COLUMN	H/60
FRAME RAFTER	L/180

BUILDING COLORS	
ROOF	Polar White
WALL	Desert Sand
EAVE	Dark Bronze
RAKE	Dark Bronze
JAMB	Dark Bronze
CORNER	Dark Bronze
BASE	Dark Bronze
GUTTER	--

ADDITIONAL NOTES:

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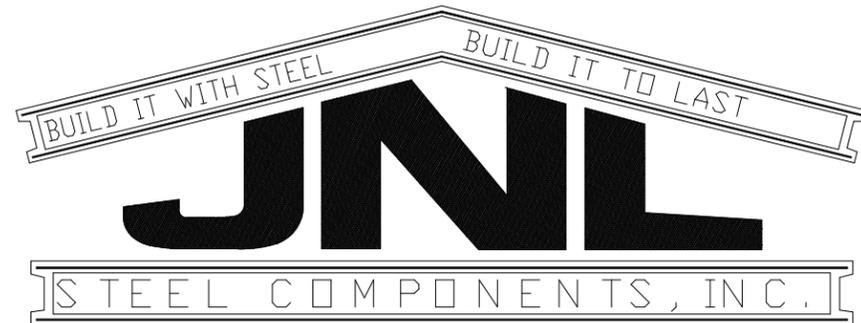
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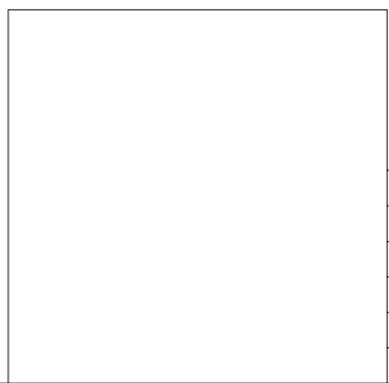
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430 US Hwy 180 West Seminole, TX 79360  
 (432) 758-9900 (432) 758-9903 (fax)

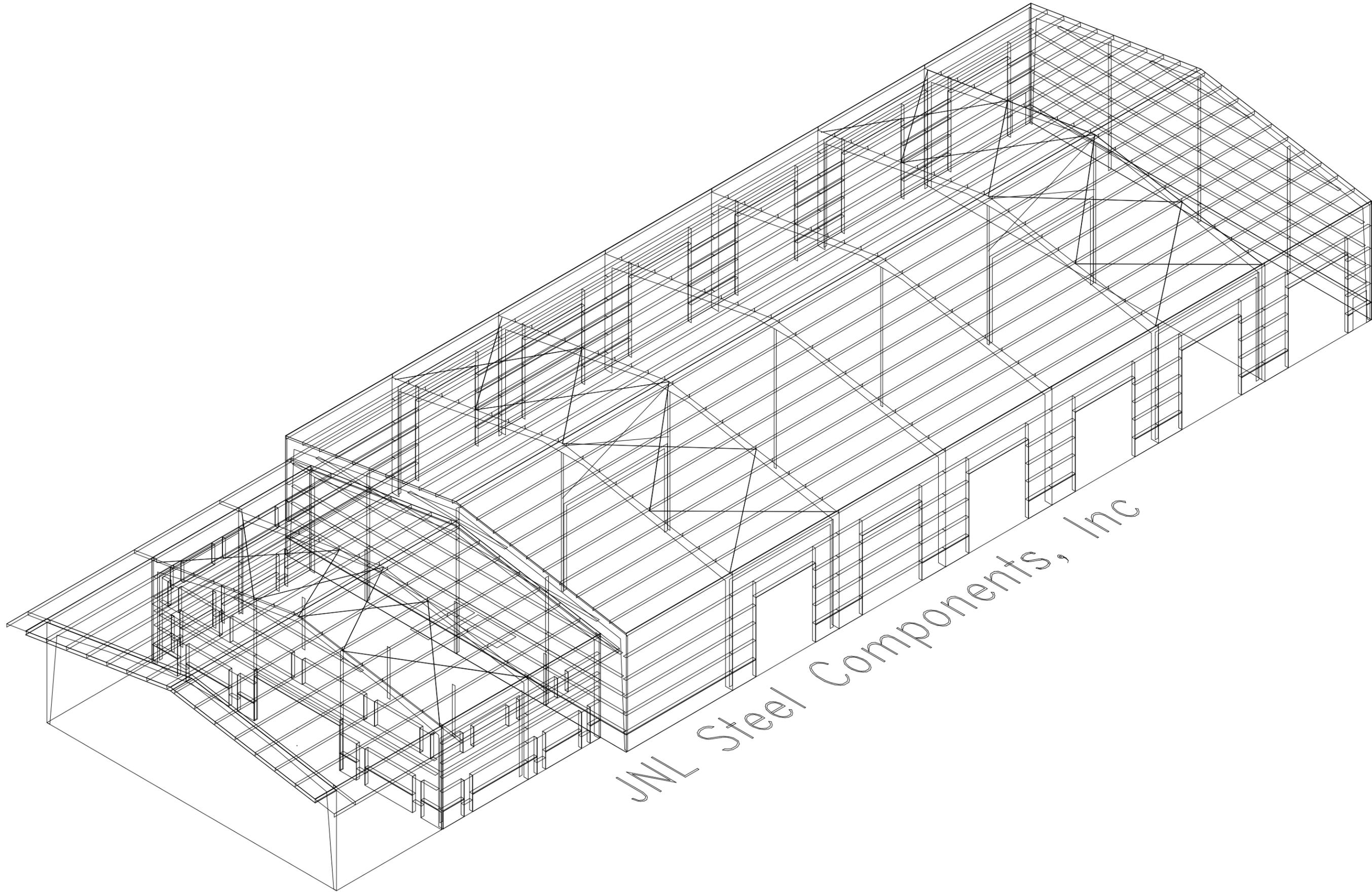


SALES PERSON: BOBBY NEUFELD

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REV.	DATE	REVISION

PURCHASER:  
 PROJECT: SHARP OILFIELD SERVICES  
 JOB NUMBER: PB50554  
 JOB ADDRESS:  
 ODESSA TEXAS 79763





JNL Steel Components, Inc



432-758-9900  
 430 US HWY 180 W  
 SEMINOLE, TX 79360

CUSTOMER INFO

PROJECT  
 PB50554

SHARP OILFIELD SERVICES  
 ODESSA TEXAS 79763

SHEET NAME/TITLE  
 ANCHOR BOLT PLAN

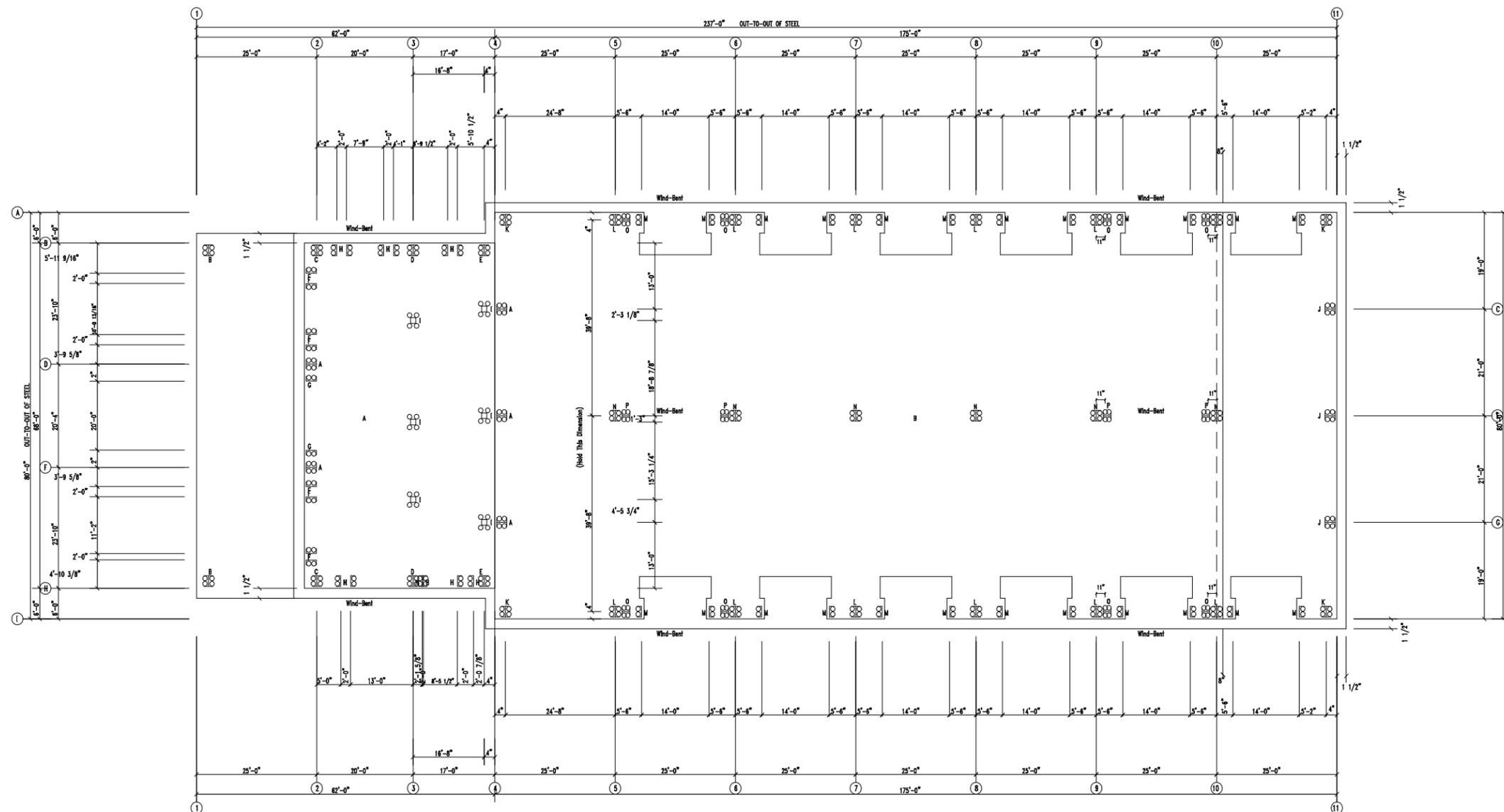
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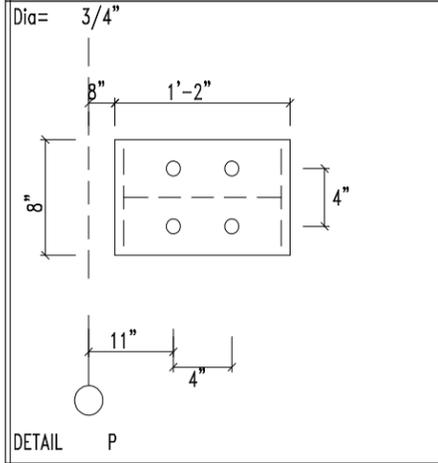
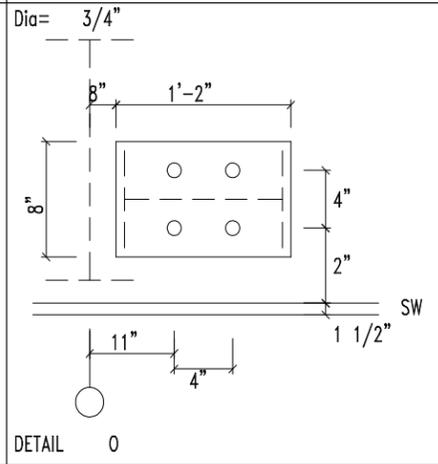
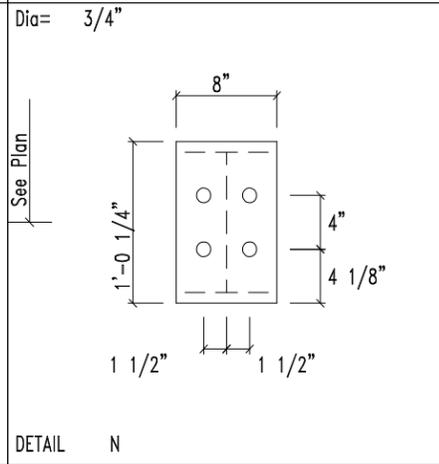
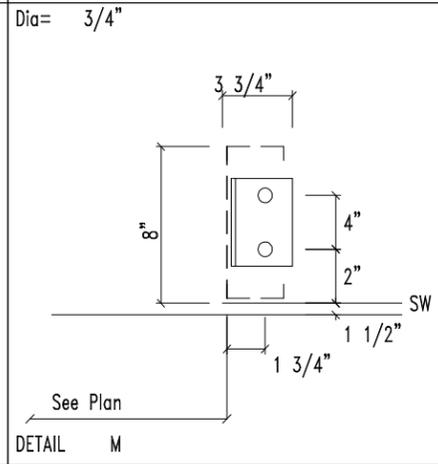
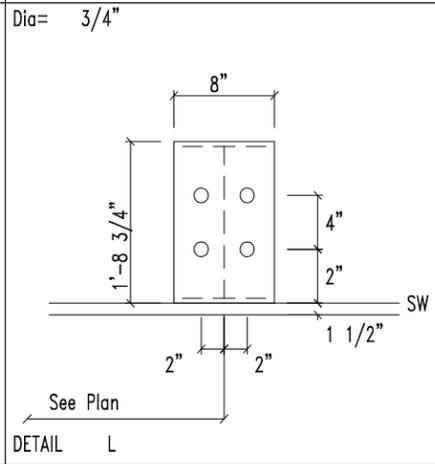
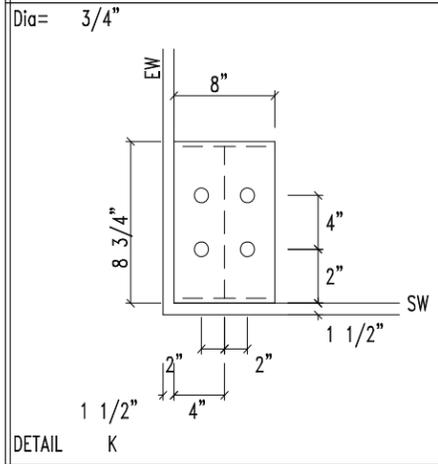
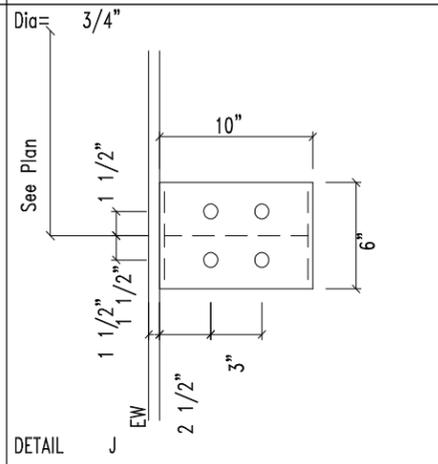
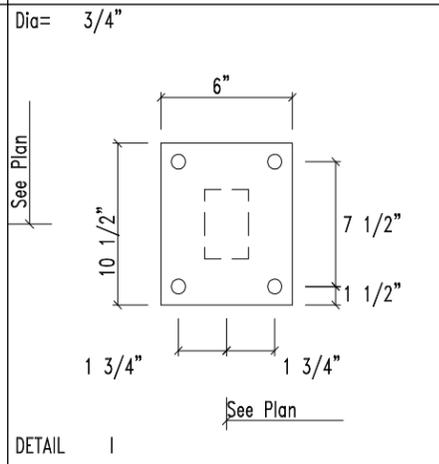
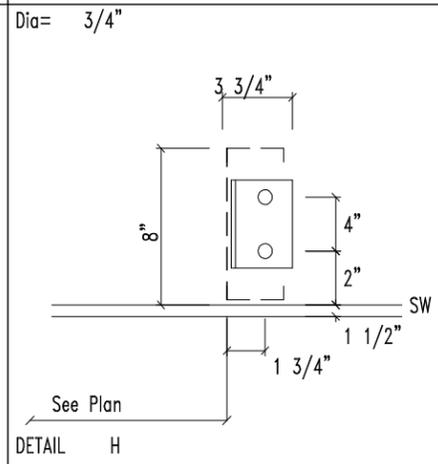
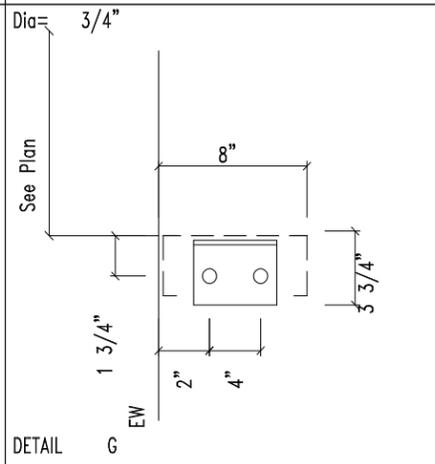
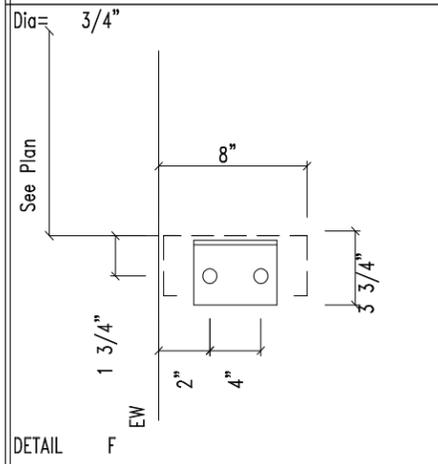
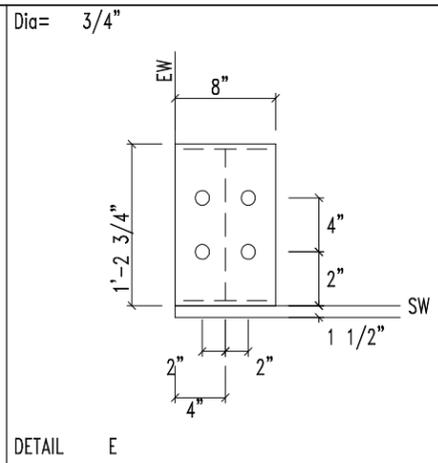
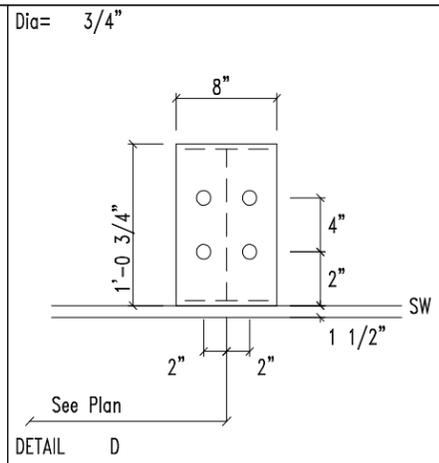
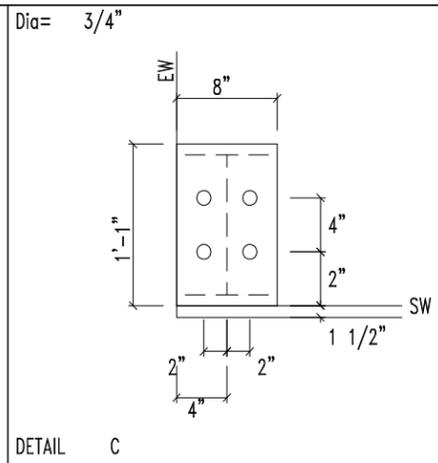
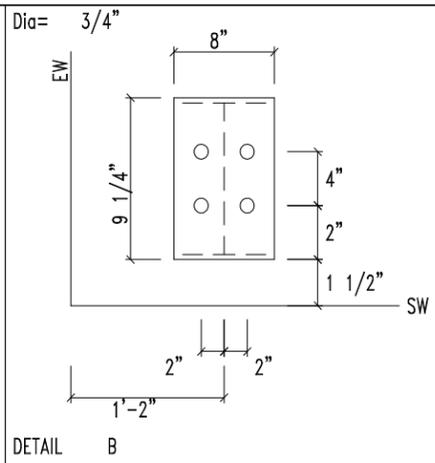
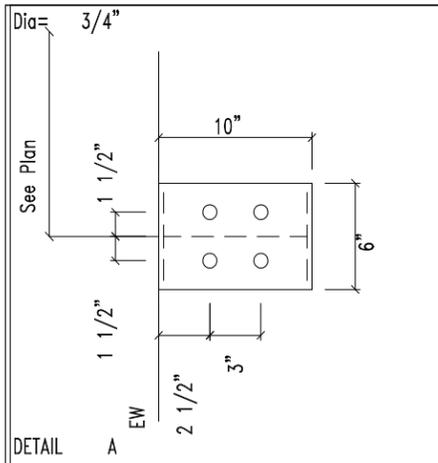
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SHEET NO. REV. SCALE  
 E1 of 45 -- NTS

REVISIONS			
NO.	NOTES	BY	DATE
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ANCHOR BOLT PLAN  
 NOTE: All Base Plates @ 100'-0" (U.L.N.)



432-758-9900  
430 US HWY 180 W  
SEMINOLE, TX 79360

CUSTOMER INFO

PROJECT  
PB50554  
SHARP OILFIELD SERVICES  
ODESSA TEXAS 79763

SHEET NAME/TITLE  
ANCHOR BOLT DETAILS

DRAWN BY  
BN

DATE  
5/23/23

CHECKED BY  
BN

DATE  
5/23/23

APPROVED BY

DATE  
5/23/23

SHEET NO. REV. SCALE  
A2 of 5 -- NTS

REVISIONS			
NO.	NOTES	BY	DATE
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CUSTOMER INFO

PROJECT  
PB50554  
SHARP OILFIELD SERVICES  
ODESSA TEXAS 79763

SHEET NAME/TITLE  
ANCHOR BOLT REACTIONS

DRAWN BY BN DATE 5/23/23

CHECKED BY BN DATE 5/23/23

APPROVED BY DATE 5/23/23

SHEET NO. REV. SCALE  
A3 of 5 -- NTS

REVISIONS			
NO.	NOTES	BY	DATE
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ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

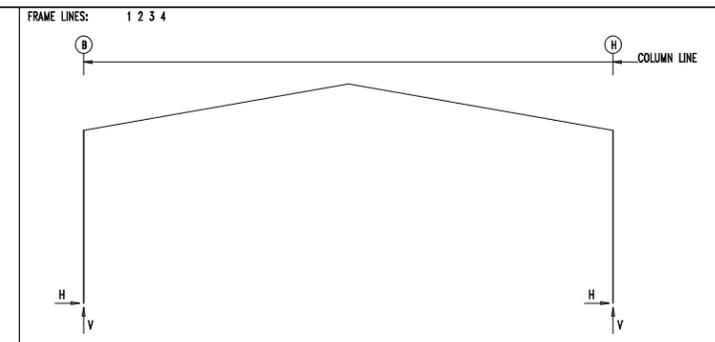
Frm Line	Col Line	Dead Vert	Collat Vert	Floor Live Vert	Wind Press Horz	Wind Suct Horz	Seis Long Vert
2	D	2.1	1.3	17.9	-4.5	4.9	0.0
2	F	2.1	1.3	17.9	-4.5	4.9	0.0

ENDWALL COLUMN: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin
2	D	14	3.0	1.3	15	-2.7	1.3
		9	0.0	21.3			
2	F	14	3.0	1.3	15	-2.7	1.3
		9	0.0	21.3			

ENDWALL COLUMN: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin



RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin
1	B	2	5.3	12.1	5	-3.9	-8.5
					6	-3.1	-8.2
1	H	6	3.9	-6.5	2	-5.3	12.1
		2	-5.3	12.1	5	3.1	-8.2

RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin
2	B	4	4.0	-5.0	12	-2.8	14.9
		10	-1.7	21.4	3	-0.9	-8.9
2	H	13	2.8	14.9	3	-4.0	-5.0
		10	1.7	21.4	4	0.9	-8.9

RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin
3	B	4	3.2	-3.3	12	-2.8	13.7
		10	-1.6	18.3	7	2.0	-8.2
3	H	13	2.8	16.0	3	-3.2	-3.2
		10	1.6	20.6	8	-2.0	-8.1

RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	Column_Reactions(k) V Vmax	Load Id	Hmin H	V Vmin
4	B	4	1.8	-1.8	1	-2.7	11.6
		11	-2.1	12.2	3	-0.3	-3.8
4	H	1	2.7	11.7	3	-1.8	-1.8
		11	2.1	12.6	4	0.3	-3.7

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	---Dead---	---Collateral---	---Live---	---Snow---	---Wind_Left1---	---Wind_Right1---
1	B	1.0	2.6	0.2	0.4	3.8	9.0
1	H	-1.0	2.6	-0.2	0.4	-3.8	9.0

Frame Line	Column Line	---Wind_Left2---	---Wind_Right2---	---Wind_Long1---	---Wind_Long2---	---Seismic_Left	---Seismic_Right
1	B	-7.5	-13.5	-6.2	-16.3	-8.7	9.1
1	H	6.2	-16.3	7.5	-13.5	6.7	-12.6

Frame Line	Column Line	---MIN_SNOW---	F1UNB_SL_L---	F1UNB_SL_R---
1	B	1.6	3.5	2.8
1	H	-1.6	3.5	1.7

Frame Line	Column Line	---Dead---	---Collateral---	---Live---	---Floor---	---Snow---	---Wind_Left1---
2	B	-0.4	4.0	-1.2	1.2	10.6	11.0
2	H	0.4	4.0	0.1	1.2	-1.8	11.0

Frame Line	Column Line	---Wind_Right1---	---Wind_Left2---	---Wind_Right2---	---Wind_Long1---	---Wind_Long2---	---Seismic_Left
2	B	7.1	-12.4	-2.4	-14.3	5.8	-12.2
2	H	1.2	-18.8	-5.8	-12.2	2.4	-14.3

Frame Line	Column Line	---Seismic_Right	---Seismic_Long	---MIN_SNOW---	F2UNB_SL_L---	F2UNB_SL_R---
2	B	0.3	0.1	0.0	-0.6	4.2
2	H	0.3	-0.1	0.0	-0.6	4.2

Frame Line	Column Line	---Dead---	---Collateral---	---Live---	---Floor---	---Snow---	---Wind_Left1---
3	B	-0.4	3.3	-1.1	1.1	9.1	9.1
3	H	0.4	3.3	0.1	1.3	-1.7	9.1

Frame Line	Column Line	---Wind_Left1---	---Wind_Right1---	---Wind_Left2---	---Wind_Right2---	---Wind_Long1---	---Wind_Long2---
3	B	-0.9	-14.8	5.8	-8.9	-2.6	-10.2
3	H	-5.8	-8.9	0.9	-14.8	-4.1	-4.4

Frame Line	Column Line	---Seismic_Left	---Seismic_Right	---Seismic_Long	---MIN_SNOW---	F3UNB_SL_L---	F3UNB_SL_R---
3	B	-0.4	-0.2	0.4	0.2	0.0	-0.6
3	H	-0.4	0.2	0.4	-0.2	0.0	-0.6

Frame Line	Column Line	---Dead---	---Collateral---	---Live---	---Floor---	---Snow---	---Wind_Left1---
4	B	-0.3	2.1	0.0	0.5	4.4	4.4
4	H	0.3	2.1	0.0	0.5	-0.9	4.4

Frame Line	Column Line	---Wind_Left1---	---Wind_Right1---	---Wind_Left2---	---Wind_Right2---	---Wind_Long1---	---Wind_Long2---
4	B	-0.2	-8.3	3.3	-5.0	-1.1	-6.2
4	H	-3.3	-5.0	0.2	-8.3	-2.5	-2.9

Frame Line	Column Line	---Seismic_Left	---Seismic_Right	---Seismic_Long	---MIN_SNOW---	F4UNB_SL_L---	F4UNB_SL_R---
4	B	-0.3	-0.1	0.3	0.1	-0.4	1.7
4	H	-0.3	0.1	0.3	-0.1	0.4	1.7

NOTES FOR REACTIONS

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
  - Width (ft) = 68.0
  - Length (ft) = 62.0
  - Eave Height (ft) = 21.0/ 21.0
  - Roof Slope (rise/run) = 2.0/ 2.0
  - Dead Load (psf) = 2.0
  - Collateral Load (psf) = 0.5
  - Roof Live Load (psf) = 20.0
  - Frame Live Load
    - Min (psf) = 12.0
    - Max (psf) = 12.2
  - Snow Load (psf) = 3.5
  - Wind Speed (mph) = 106.0
  - Wind Code = IBC 18
  - Exposure = C
  - Closure = Enclosed
  - Importance Wind = 1.00
  - Importance Seismic = 1.00
  - Seismic Zone = A
  - Seismic Coeff (Fa/Sa) = 0.18

5. Loading conditions are:
- 1 Dead+Collateral+Snow+Snow\_Drift
  - 2 Dead+Collateral+0.75Live+0.45Wind\_Long2R
  - 3 0.6Dead+0.6Wind\_Left1
  - 4 0.6Dead+0.6Wind\_Right1
  - 5 0.6Dead+0.6Wind\_Left2
  - 6 0.6Dead+0.6Wind\_Right2
  - 7 0.6Dead+0.6Wind\_Long1L
  - 8 0.6Dead+0.6Wind\_Long2L
  - 9 Dead+Collateral+Floor\_Live
  - 10 Dead+Collateral+0.75Live+0.75Floor\_Live
  - 11 Dead+Collateral+0.75Snow+0.75Snow\_Drift+0.75Floor\_Live
  - 12 Dead+Collateral+0.75Live+0.45Wind\_Left2+0.75Floor\_Live
  - 13 Dead+Collateral+0.75Live+0.45Wind\_Right2+0.75Floor\_Live
  - 14 0.6Dead+0.6Wind\_Right2+0.6Wind\_Suction
  - 15 0.6Dead+0.6Wind\_Pressure+0.6Wind\_Long2L

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (ft)
44	Jamb	3/4"	A307	2.50
8	Endwall	3/4"	A307	2.50
32	Frame	3/4"	A307	2.50
24	Floor	3/4"	A307	2.50

BUILDING BRACING REACTIONS

Wall Loc	Col Line	± Reactions(k)	Panel Shear (lb/ft)	Notes
L_EW	1			(b)
F_SW	H	2.3	3.4	6.1
R_EW	4			(b)
B_SW	B	2.3	3.4	6.1

(b) Wind bent in bay, base above finish floor  
(b) Rigid frame at endwall

FLOOR COLUMN REACTIONS

Frame Line	Col Line	Max_Vert (k)	Dead Vert (k)	Coll Vert (k)	Live Vert (k)	Anc_Bolt Qty	Base Dia	Base Plate Width	Base Plate Length	Thick	Graft (in)	
3	Ø15.3	9	37.6	6.5	2.2	29.0	4	0.750	6.000	10.50	0.750	0.0
3	Ø35.3	9	33.1	5.7	1.9	25.5	4	0.750	6.000	10.50	0.625	0.0
3	Ø50.5	9	33.3	5.8	1.9	25.6	4	0.750	6.000	10.50	0.625	0.0
4	Ø13.0	9	16.6	3.0	1.0	12.7	4	0.750	6.000	10.50	0.500	0.0
4	Ø34.0	9	20.0	3.6	1.1	15.3	4	0.750	6.000	10.50	0.500	0.0
4	Ø55.0	9	16.6	3.0	1.0	12.7	4	0.750	6.000	10.50	0.500	0.0



ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
16	PC	3/4"	A307	2.50

MAXIMUM REACTION

Part Id	Orient	--Max(k)--	
		Dead Vert	Wind Horz
1	Trans.	0.4	3.0



432-758-9900  
430 US HWY 180 W  
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SHEET NAME/TITLE  
KEY PLAN

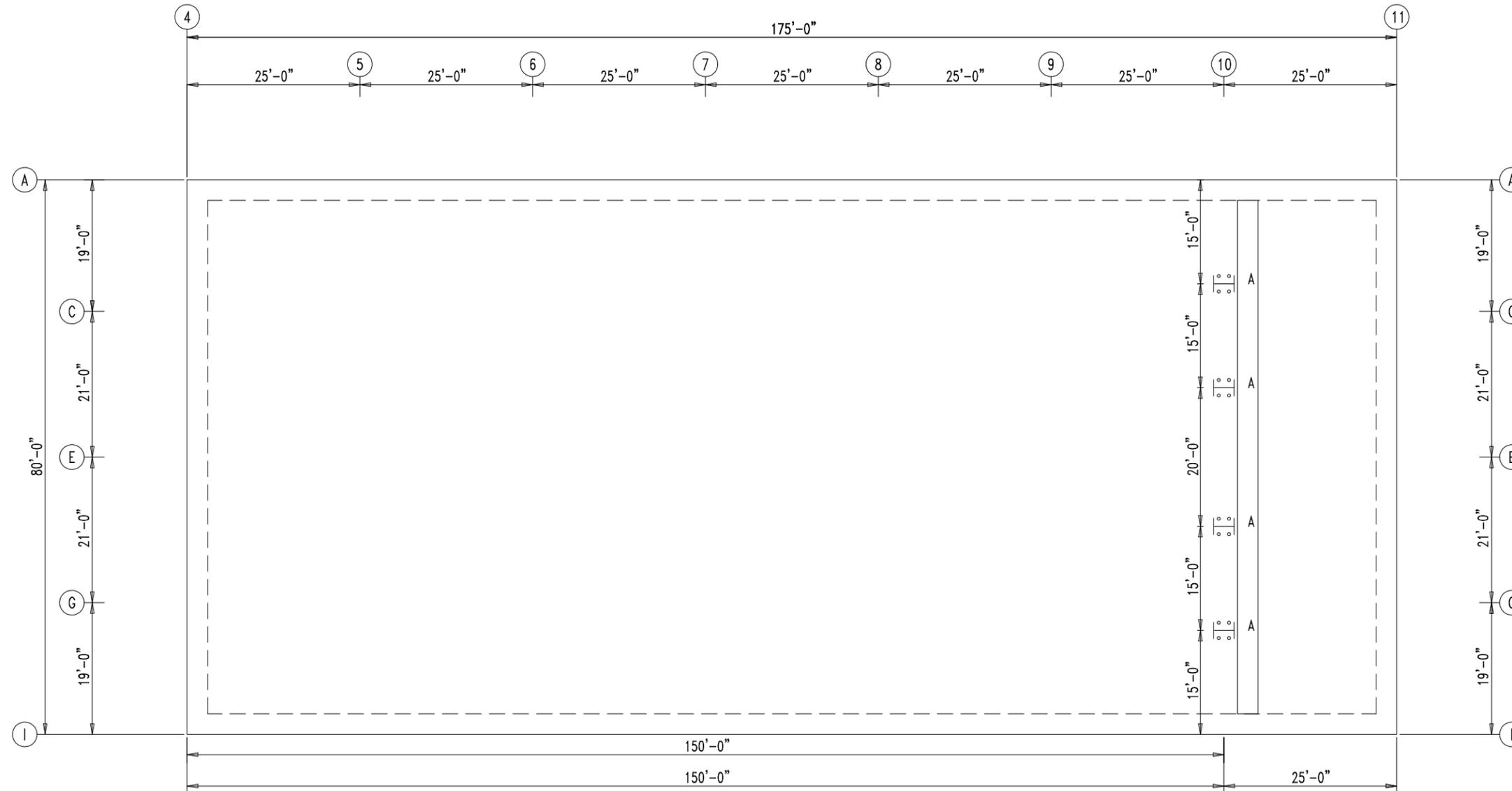
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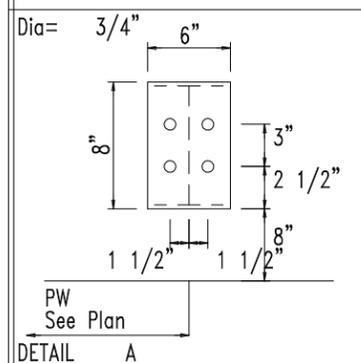
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SHEET NO. A5 of 5 REV. -- SCALE NTS

REVISIONS			
NO.	NOTES	BY	DATE
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PARTITION WALL PLAN



EXTENSION/CANOPY BOLTS				
ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-2	4	A325	3/4"	2 1/2"
EB-3	4	A325	3/4"	2 1/2"
EB-4	8	A325	3/4"	2 1/2"
EB-5	4	A325	3/4"	2 1/2"
EB-8	4	A325	3/4"	2 1/2"
EB-9	8	A325	3/4"	2 1/2"
EB-10	4	A325	3/4"	2 1/2"
EB-11	4	A325	3/4"	2 1/2"

TRIM TABLE		
ROOF PLAN		
◇ ID	MARK	LENGTH
1	PBR40	3'-0"
2	LEFT	6"
3	SG1R	22'-6"
4	SG1R	24'-6"
5	RIGHT	6"



432-758-9900  
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SHEET NAME/TITLE  
ROOF SHEETING

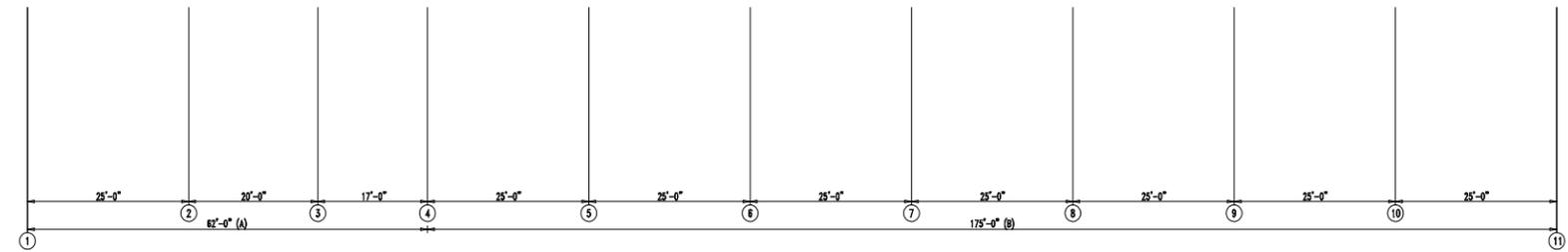
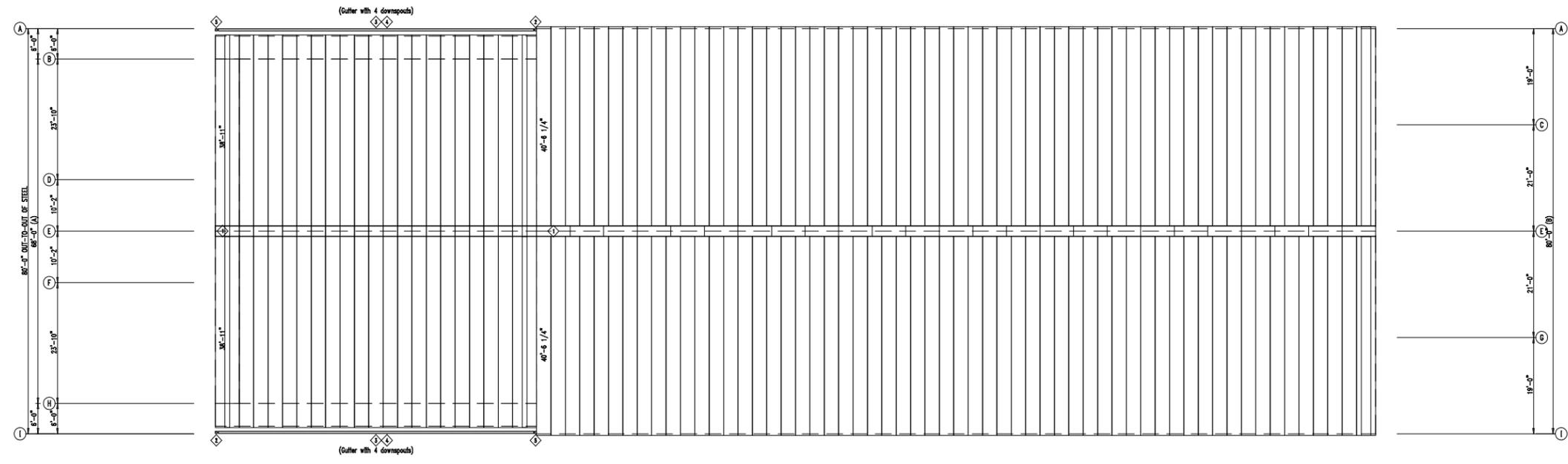
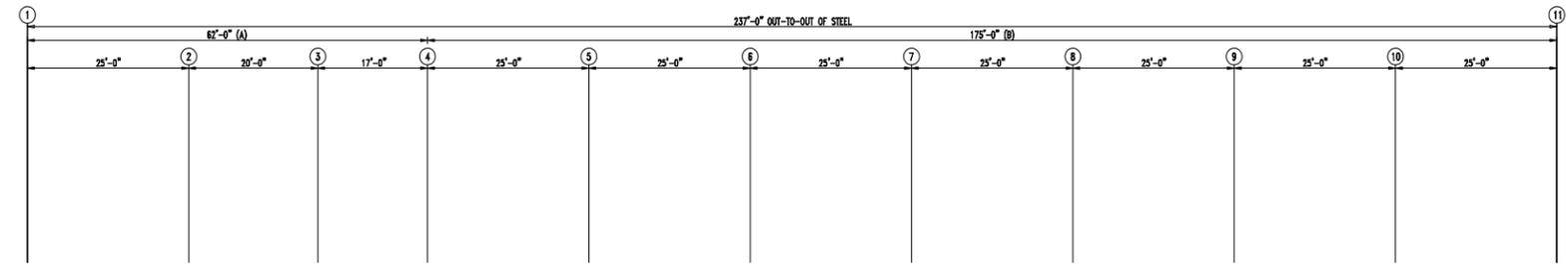
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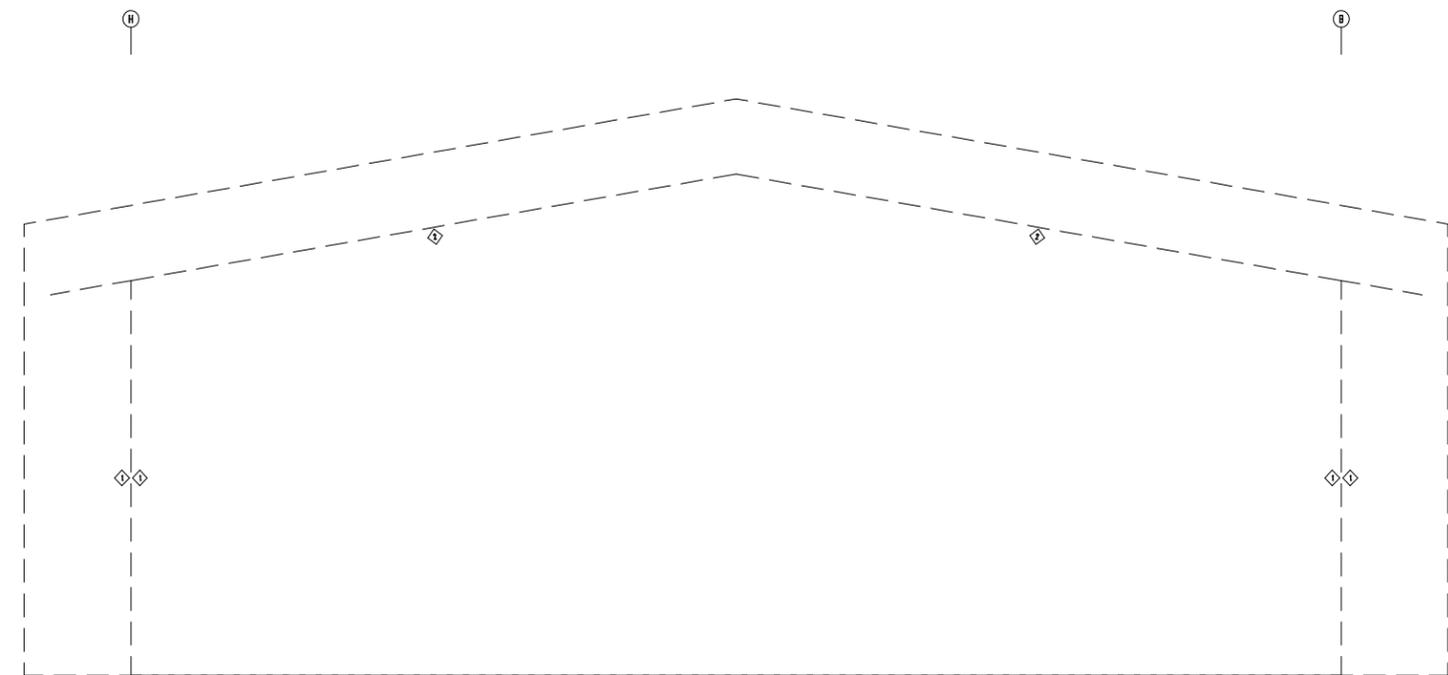
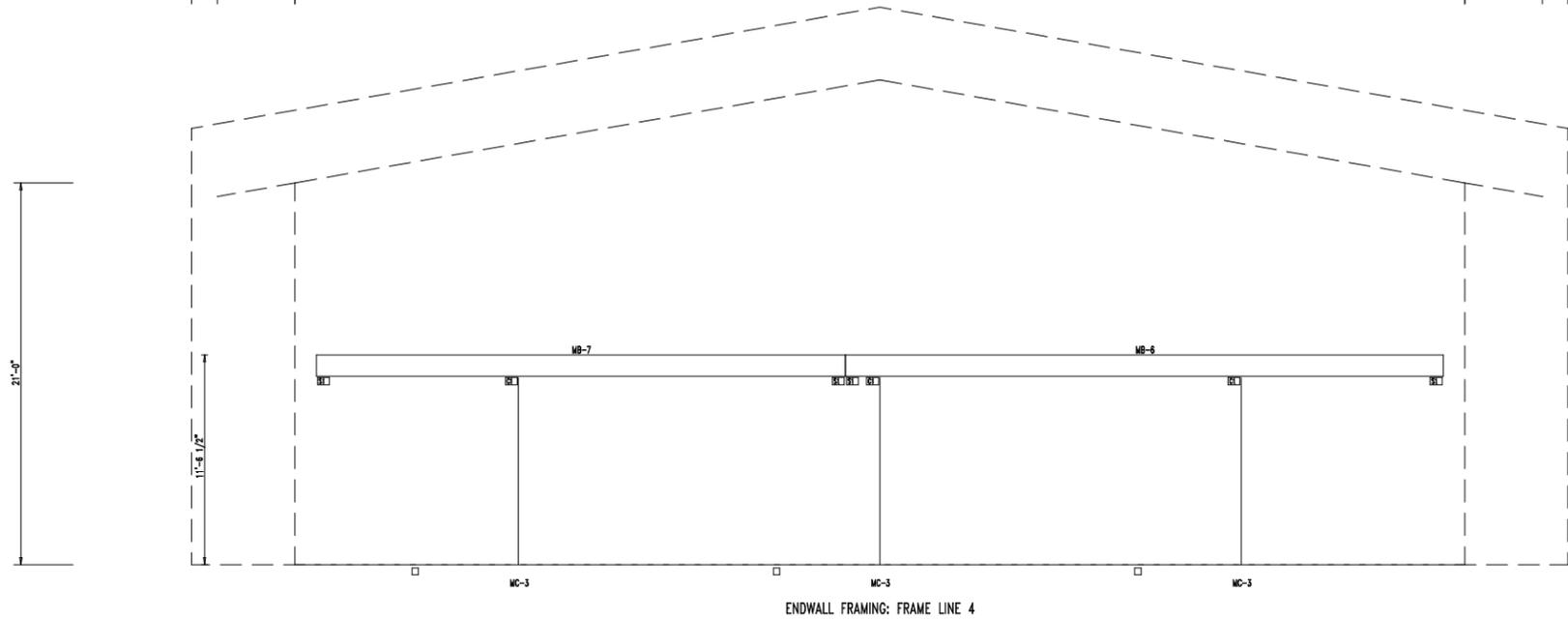
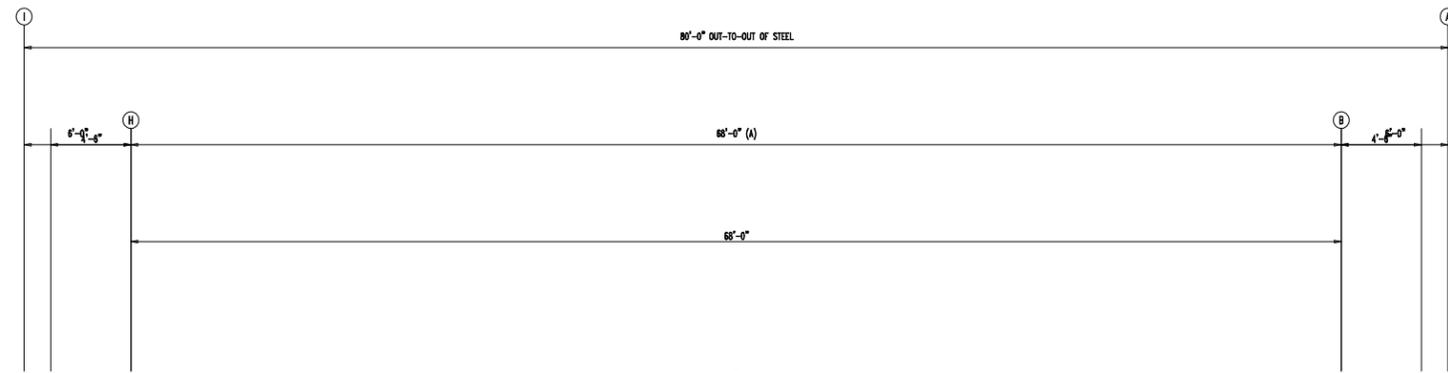
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ROOF SHEETING PLAN  
PANELS: 26 Ga. PBR - Polar White





SUPPORT BEAM BOLT TABLE  
FRAME LINE 4

ID	QUAN	TYPE	DIA	LENGTH
S1	6	A325	3/4"	2 1/2"

COLUMN BOLT TABLE  
FRAME LINE 4

ID	QUAN	TYPE	DIA	LENGTH
C1	4	A325	3/4"	2 1/2"

MEMBER TABLE  
FRAME LINE 4

MARK	PART	LENGTH
MB-6	W1464020	34'-9"
MB-7	W1464020	30'-9"
MC-3	T035035D	10'-4 1/2"

TRIM TABLE  
FRAME LINE 4

ID	MARK	LENGTH
1	ICR	21'-0"
2	SWTR	18'-6"



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ENDWALL FRAMING

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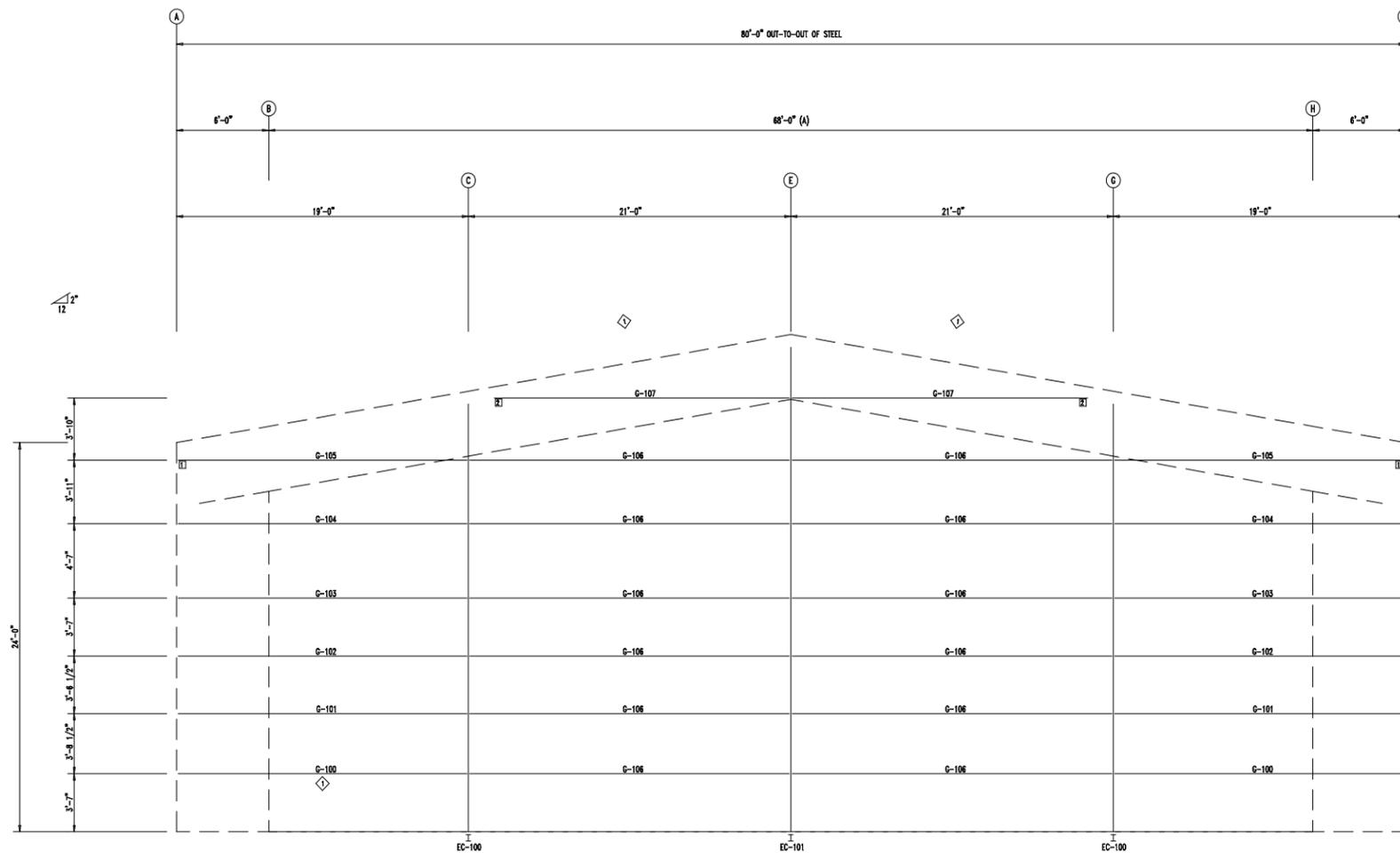
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ENDWALL FRAMING: FRAME LINE 4

**BOLT TABLE**  
FRAME LINE 4

LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	2	A325	1/2"	1 1/4"

**MEMBER TABLE**  
FRAME LINE 4

MARK	PART	LENGTH
EC-100	W1064030	24'-10 5/8"
EC-101	W1064030	28'-2 1/2"
G-100	8X25Z14	17'-9 1/2"
G-101	8X25Z14	17'-7 7/16"
G-102	8X25Z14	17'-5 1/2"
G-103	8X25Z14	17'-3 1/2"
G-104	8X25Z14	17'-0 7/8"
G-105	8X25Z14	10'-10 13/16"
G-106	8X25Z14	20'-4 1/2"
G-107	8X25Z14	10'-3 11/16"

**TRIM TABLE**  
FRAME LINE 4

ID	MARK	LENGTH
2	OCR	24'-6"
3	SRR	21'-0"
4	PBA	2'-0"
5	ICR	21'-0"
6	SWTR	18'-6"

**ANGLE TABLE**  
FRAME LINE 4

ID	MARK	LENGTH
1	L4X2	20'-0"

**CONNECTION PLATES**  
FRAME LINE 4

ID	MARK/PART
1	b100
2	b101



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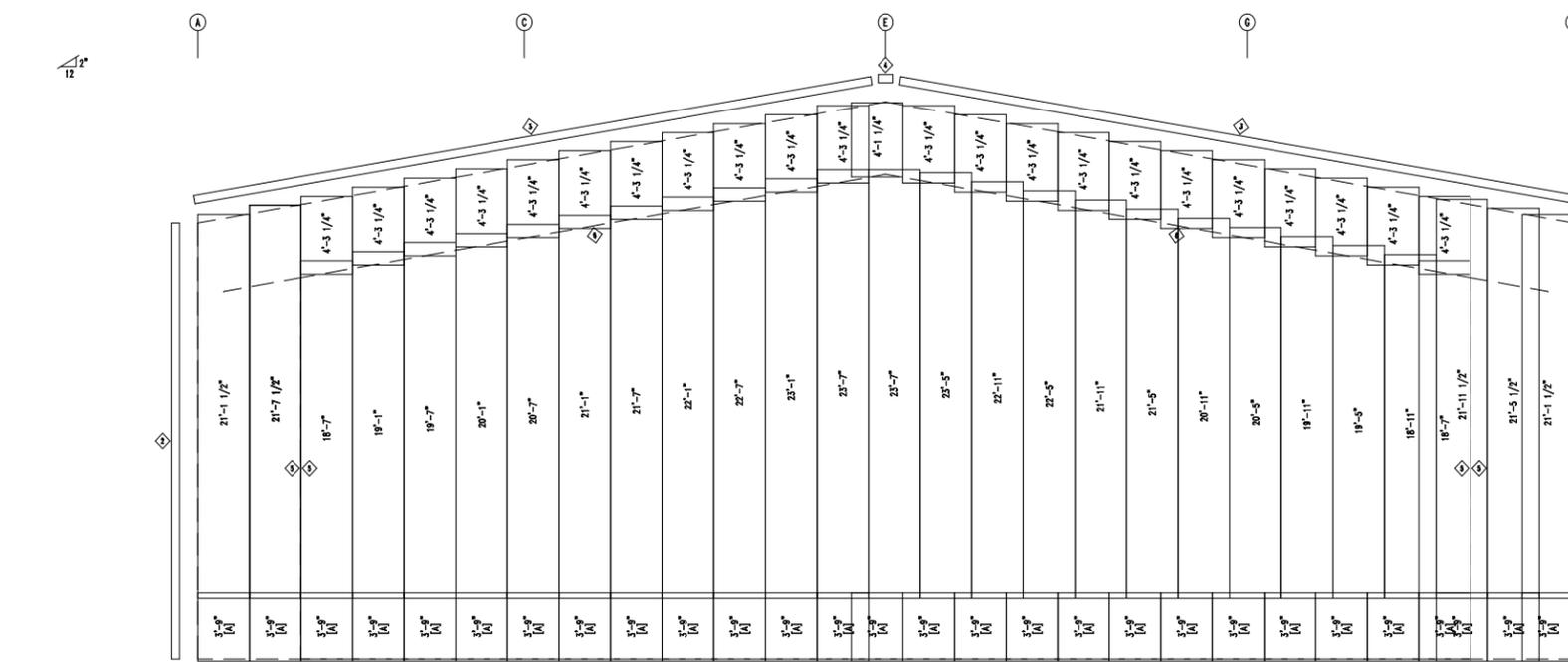
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ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Gc, PBR - Desert Sand  
[A] PANELS: 26 Gc, PBR - Dark Bronze  
[C] PANELS: 26 Gc, PBR - Desert Sand



TRIM TABLE		
FRAME LINE 1		
◇ ID	MARK	LENGTH
1	SRR	18'-6"
2	PBA	2'-0"



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SHEET NAME/TITLE

SIDEWALL FRAMING

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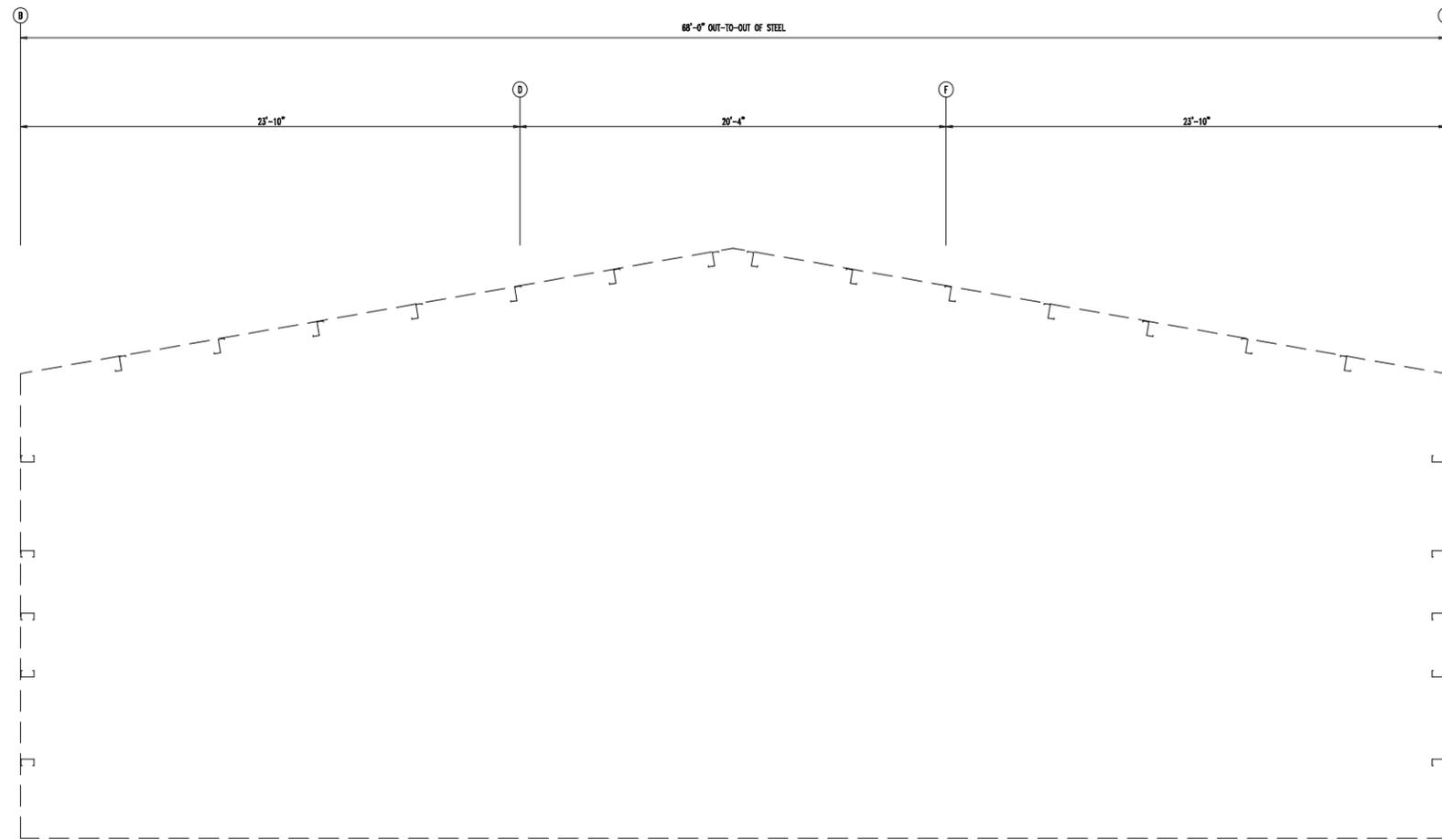
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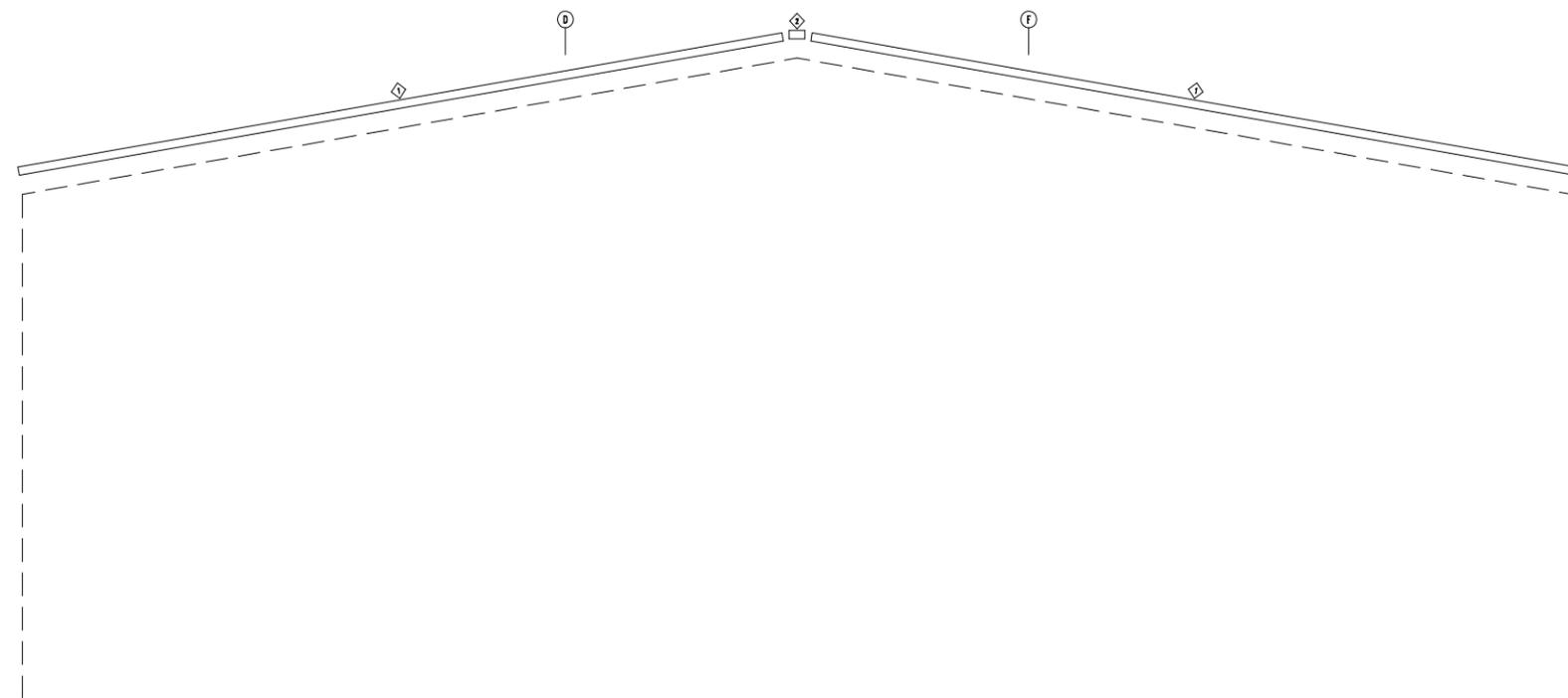
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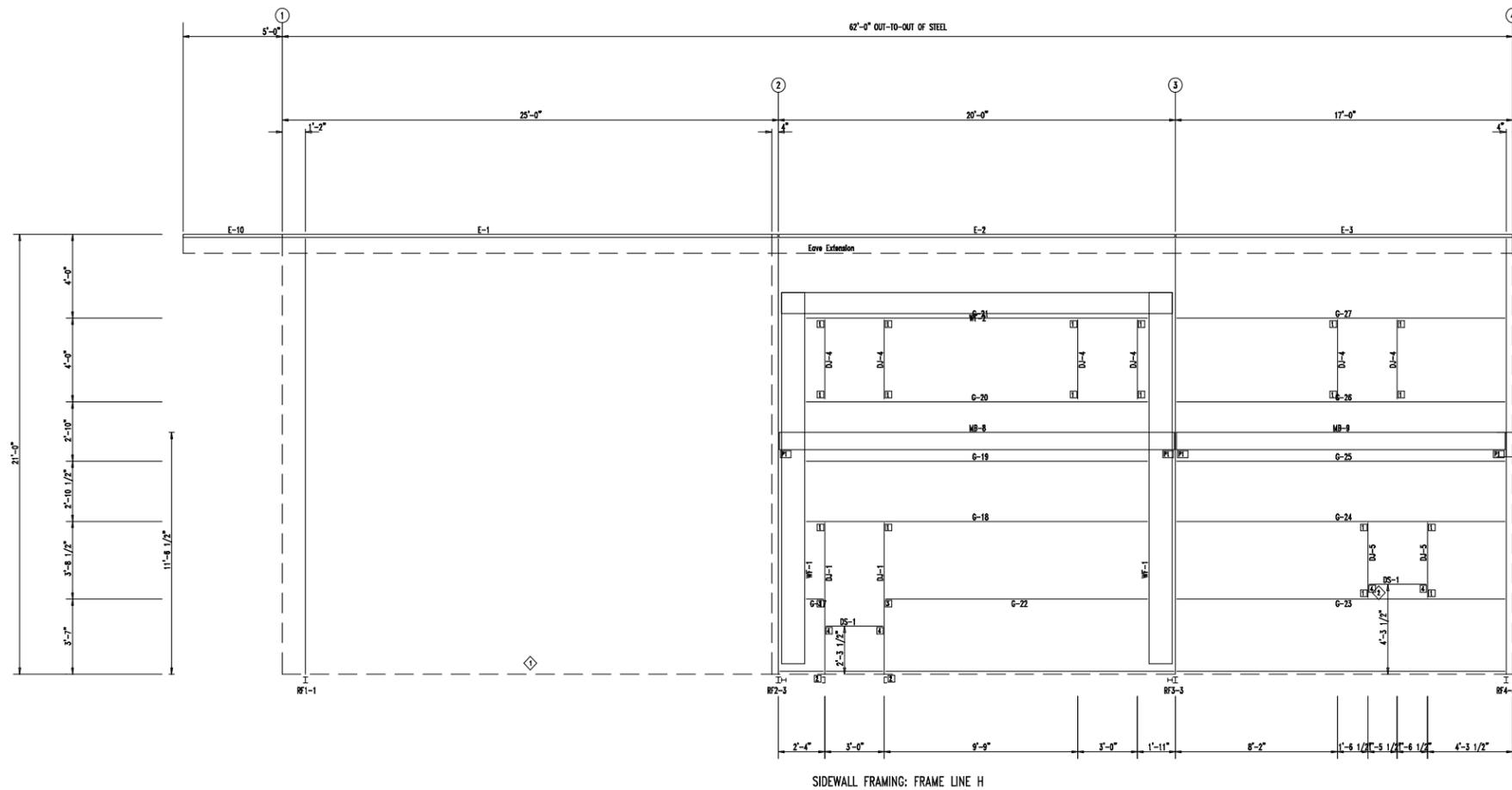


ENDWALL FRAMING: FRAME LINE 1

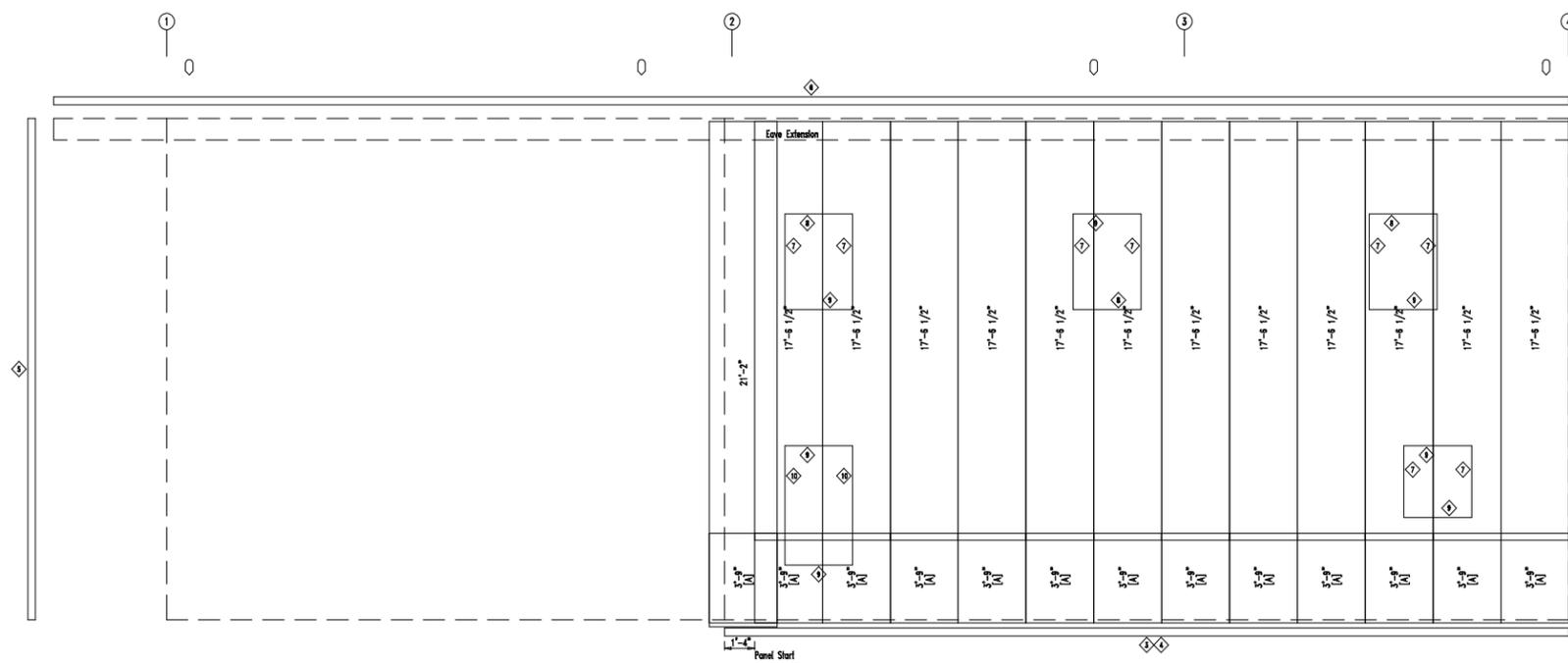


ENDWALL SHEETING & TRIM: FRAME LINE 1

◇ DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE H



SIDEWALL SHEETING & TRIM: FRAME LINE H

PANELS: 28 Ga. PBR - Desert Sand  
[A] PANELS: 28 Ga. PBR - Dark Bronze

BOLT TABLE  
FRAME LINE H

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	3/4"	2 1/2"
WF-1 - RF2-3	14	A325	5/8"	2"
WF-1 - RF3-3	14	A325	5/8"	2"

PERIMETER BEAM BOLT TABLE

FRAME LINE H	ID	QUAN	TYPE	DIA	LENGTH
	P1	2	A325	1/2"	1 1/2"

MEMBER TABLE

FRAME LINE H	MARK	PART	LENGTH
	WF-1	W1464020	17'-10 1/2"
	WF-2	W1264030	17'-7 3/8"
	DJ-1	8X25C14	7'-2 7/8"
	DJ-4	8X25C14	3'-11 1/2"
	DJ-5	8X25C14	3'-8"
	DS-1	8X25C14	2'-11 1/2"
	E-1	8X25Z14	23'-1 1/4"
	E-2	E085342L	19'-3 1/4"
	E-3	E085342L	15'-11 1/4"
	E-10	8X25Z14	5'-5 5/8"
	G-17	8X25C14	1'-1 15/16"
	G-18	8X25C14	17'-7 3/8"
	G-19	8X25C14	17'-7 3/8"
	G-20	8X25C14	17'-7 3/8"
	G-21	8X25C14	17'-7 3/8"
	G-22	8X25C14	12'-9 15/16"
	G-23	8X25C14	15'-11 1/4"
	G-24	8X25C14	15'-11 1/4"
	G-25	8X25C14	15'-11 1/4"
	G-26	8X25C14	15'-11 1/4"
	G-27	8X25C14	15'-11 1/4"
	MB-8	W10X12	19'-10 3/4"
	MB-9	W10X12	16'-6 3/4"

TRIM TABLE

FRAME LINE H	◇ ID	MARK	LENGTH
	3	SBPR	10'-6"
	4	NAIL I	1'-0"
	5	OCR	22'-6"
	6	LEA	21'-0"
	7	JTR	SCRAP
	8	HTR	10'-6"
	9	HTR	SCRAP
	10	JTR	10'-6"

ANGLE TABLE

FRAME LINE H	◇ ID	MARK	LENGTH
	1	8" REC	20'-0"
	2	L4X2	20'-0"

CONNECTION PLATES

FRAME LINE H	◇ ID	MARK/PART
	1	OC-3
	2	DC-1
	3	OC-1
	4	OC-2



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SIDEWALL FRAMING

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SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	2	A325	0.750	2.50
SP-2	4	4	0	A325	0.750	2.50

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	
	Start/End	Thick	Thick	Length	W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	8.0/28.0	0.135		246.8	6 x 3/8" x 242.8 6 x 3/8" x 24.3	6 x 1/2" x 221.8
RF1-2	22.0/14.0 14.0/14.0	0.135	147.7 240.0		6 x 1/4" x 299.0 6 x 1/4" x 88.7	6 x 1/4" x 147.9 6 x 1/4" x 237.6
EB-2						
EB-11						



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FLANGE BRACES: Both Sides(U.N.)  
FBxxD(1): xx=length(in)  
D - FB2X2X07

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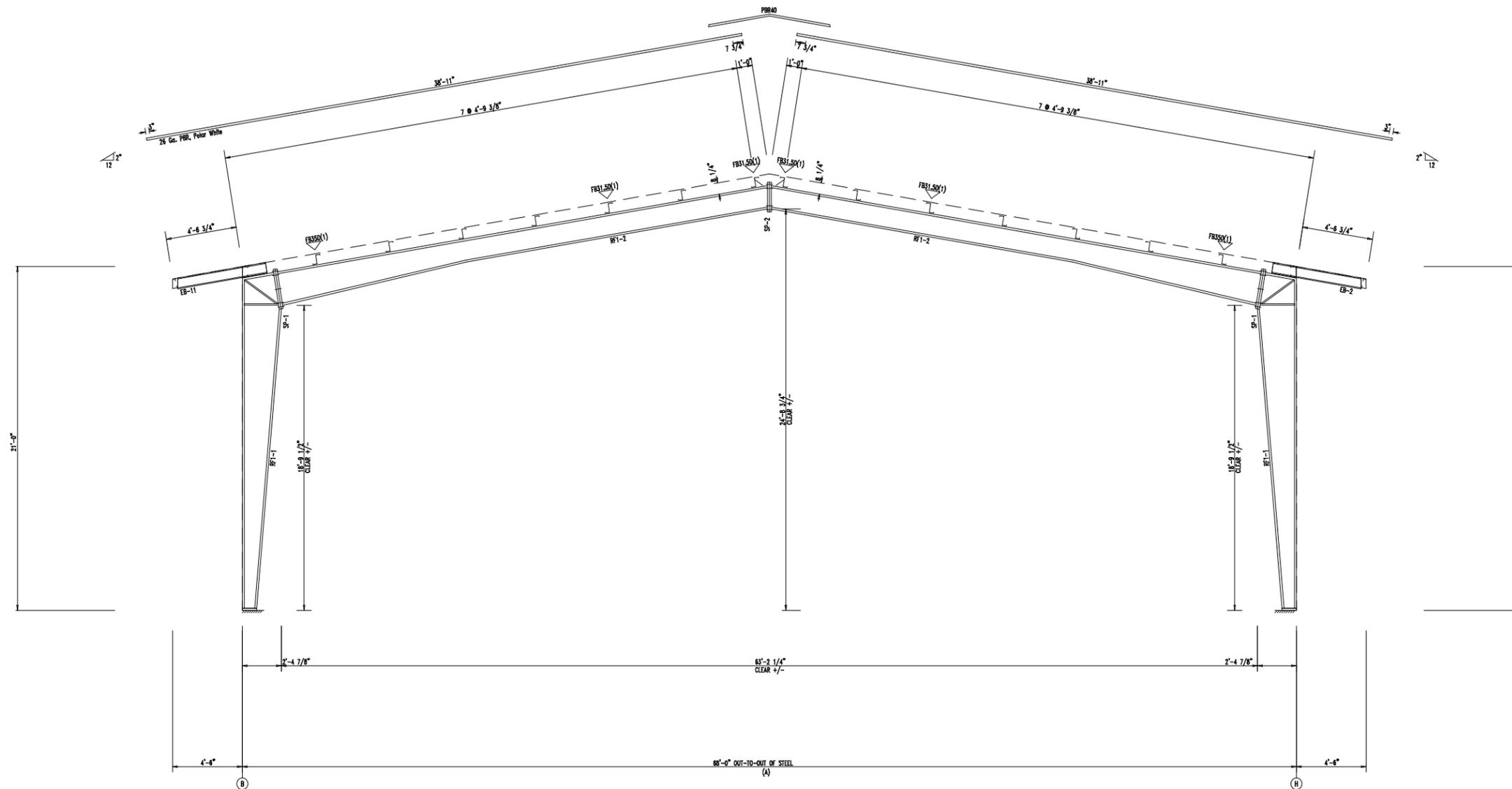
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RIGID FRAME ELEVATION: FRAME LINE 1

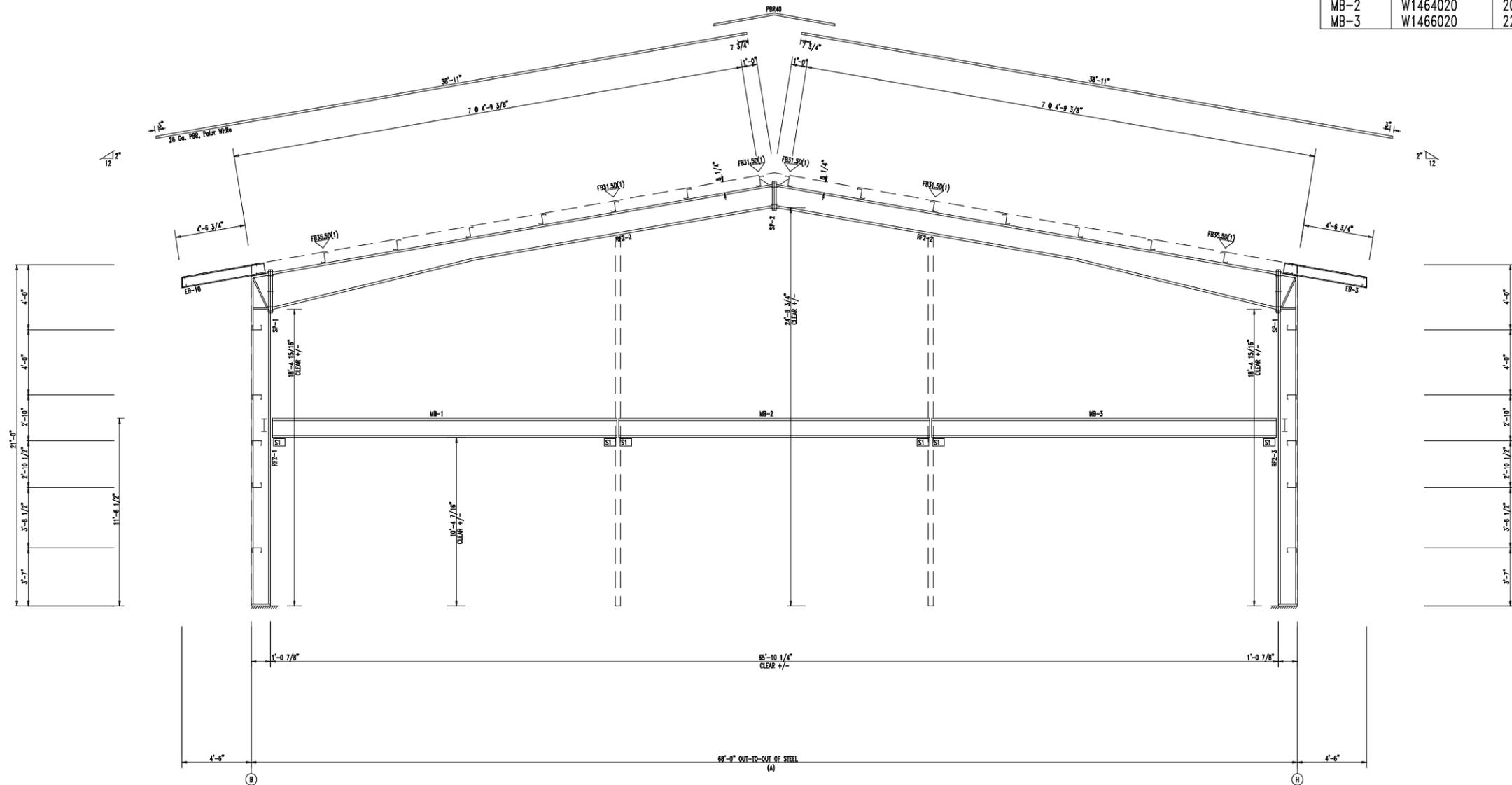
SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	2	A325	0.750	2.50
SP-2	4	4	0	A325	0.750	2.50

SUPPORT BEAM BOLT TABLE				
ID	Qty	Type	Dia	Length
S1	3	A325	0.750	2.50

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1): xx=length(in)  
 D - FB2X2X07

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length	
RF2-1	12.0/12.0	0.135	244.8	6 x 1/4" x 115.5 6 x 3/8" x 127.3 6 x 3/8" x 12.5	6 x 3/8" x 115.5 6 x 1/2" x 100.9	
RF2-2	24.0/14.0 14.0/14.0	0.135	163.6 240.0	6 x 1/4" x 299.0 6 x 1/4" x 100.5	6 x 1/4" x 163.9 6 x 1/4" x 237.6	
RF2-3	12.0/12.0	0.135	244.8	6 x 3/8" x 12.5 6 x 3/8" x 115.3 6 x 1/4" x 127.5	6 x 1/2" x 88.9 6 x 3/8" x 127.5	
EB-3	W8X13					
EB-10	W8X13					

BEAM TABLE		
Mark	Part	Length
MB-1	W1466020	22'-8 1/8"
MB-2	W1464020	20'-2 3/4"
MB-3	W1466020	22'-8 1/8"



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RIGID FRAME ELEVATION: FRAME LINE 2



SPlice Bolt Table						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	0	A325	0.750	2.50
SP-2	4	4	2	A325	0.750	2.50

SUPPORT BEAM Bolt Table				
ID	Qty	Type	Dia	Length
S1	3	A325	0.750	2.50
S2	6	A325	0.750	2.50
S3	4	A325	0.750	2.50

SUPPORT COLUMN Bolt Table				
ID	Qty	Type	Dia	Length
C1	4	A325	0.750	2.50

▽ FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1): xx=length(in)  
 D - FB2X2X07

Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start/End	Thick	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF4-1	14.0/14.0	0.135	0.135	245.3	6 x 1/4" x 242.9	6 x 1/4" x 115.5	6 x 3/8" x 111.5	
RF4-2	14.0/14.0	0.135	0.135	298.0	6 x 1/4" x 14.4	6 x 3/8" x 163.7	6 x 1/4" x 233.6	
RF4-3	14.0/14.0	0.135	0.135	245.3	6 x 1/4" x 104.7	6 x 3/8" x 99.5	6 x 1/4" x 127.5	
EB-5	W8X10				6 x 1/4" x 242.9			
EB-8	W8X10							
RF1-100	8.0/20.0	0.135	0.135	281.6	6 x 1/4" x 278.9	6 x 1/4" x 258.1		
RF1-101	20.0/16.0	0.135	0.135	228.6	6 x 1/4" x 16.5	6 x 1/4" x 228.6		
RF1-102	16.0/16.0	0.135	0.135	240.0	6 x 1/4" x 299.0	6 x 1/4" x 237.3		
RF1-103	16.0/20.0	0.135	0.135	228.6	6 x 1/4" x 169.6	6 x 1/4" x 237.3		
	20.0/8.0	0.135	0.135	281.6	6 x 1/4" x 299.0	6 x 1/4" x 228.6		
					6 x 1/4" x 16.5	6 x 1/4" x 258.1		
					6 x 1/4" x 278.9			



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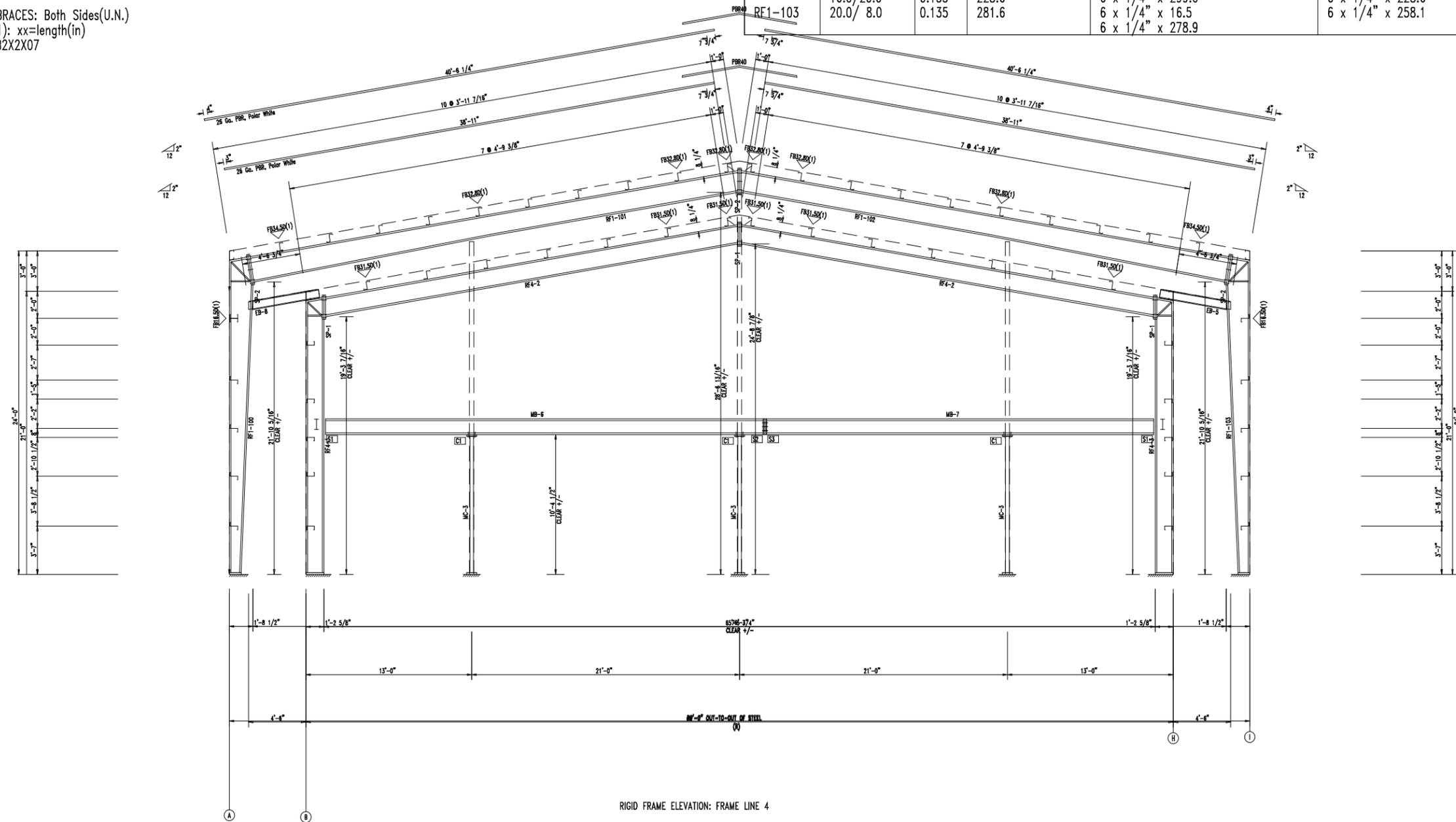
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RIGID FRAME ELEVATION: FRAME LINE 4

SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty		Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
	Top	Bot									
SP-1	4	4	2	A325	0.750	2.50	RF2-104	8	A325	0.750	2.50
SP-2	4	4	0	A325	0.750	2.50					

Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start/End	Thick	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF2-100	20.0/20.0	0.135	0.135	282.3	8 x 1/4" x 278.9	8 x 1/4" x 250.8		
RF2-101	27.0/17.4	0.135	0.135	299.0	8 x 1/4" x 20.5	6 x 1/4" x 295.0	6 x 1/4" x 107.7	
RF2-102	17.4/14.0	0.135	0.135	103.5	6 x 1/4" x 107.5	6 x 1/4" x 66.0	6 x 1/4" x 52.9	
RF2-103	14.1/24.8	0.135	0.135	130.3	6 x 1/4" x 66.0	6 x 1/4" x 66.0	6 x 1/4" x 52.9	
RF2-104	20.0/20.0	0.135	0.135	282.3	8 x 1/4" x 20.5	8 x 1/4" x 250.8		
RF2-104	W1286030							
Brkt1	W21X44							
Brkt2	W21X44							
Brkt3	W21X44							
Brkt4	W21X44							

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1): xx=length(in)  
 D - FB2X2X07



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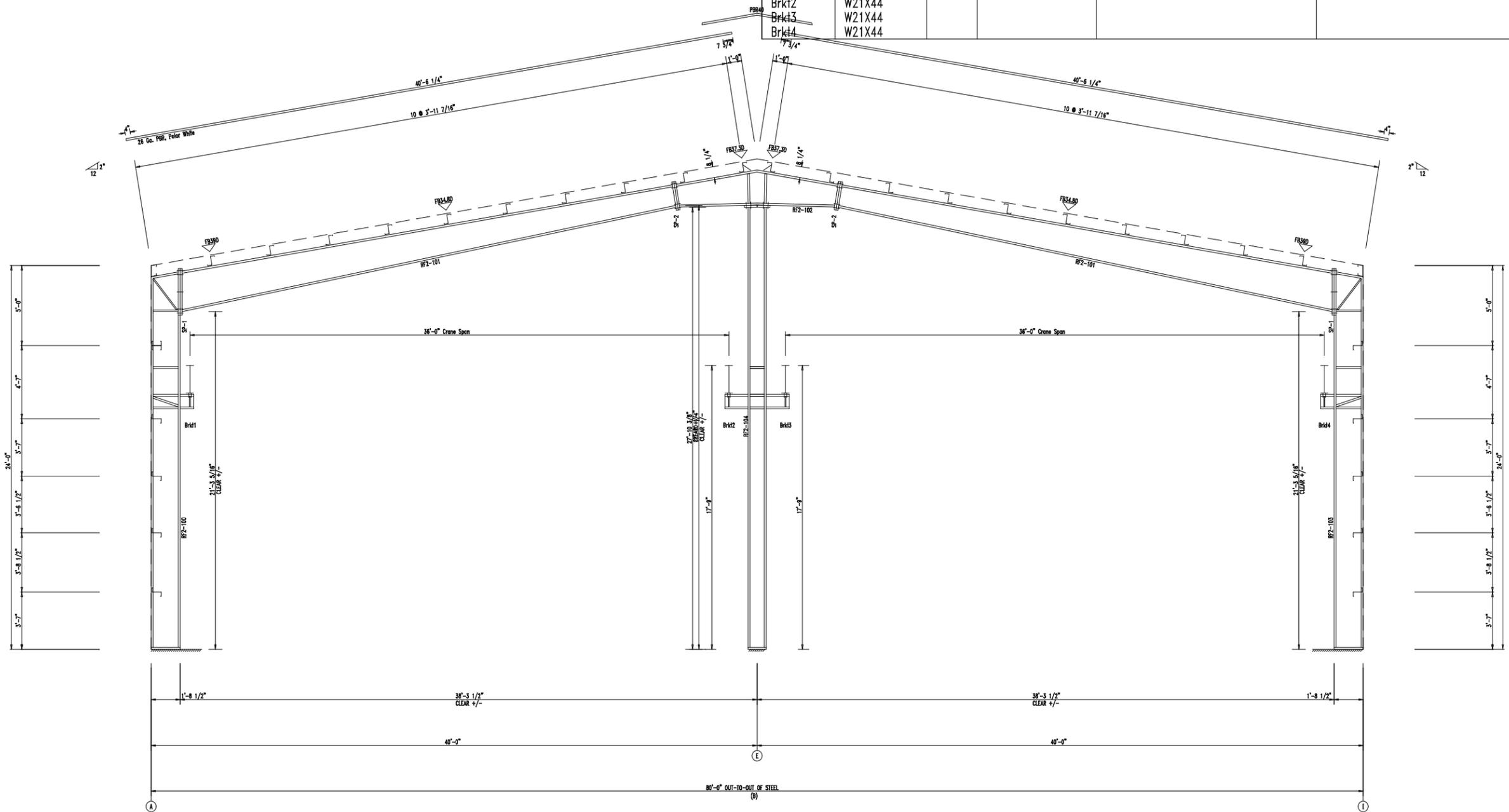
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RIGID FRAME ELEVATION: FRAME LINE 5



SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty		Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
	Top	Bot									
SP-1	4	4	2	A325	0.750	2.50	RF4-103	8	A325	0.750	2.50
SP-2	4	4	0	A325	0.750	2.50					

Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start/End	Thick	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF4-100	20.0/20.0	0.135	0.135	282.3	8 x 1/4" x 278.9	8 x 1/4" x 250.8		
RF4-101	27.0/17.4	0.135	0.135	299.0	8 x 1/4" x 20.5	6 x 1/4" x 295.0	6 x 1/4" x 107.7	
RF4-102	17.4/14.0	0.135	0.135	103.5	6 x 1/4" x 107.5	6 x 1/4" x 52.9	6 x 1/4" x 52.9	
RF4-103	14.1/24.8	0.135	0.135	130.3	6 x 1/4" x 66.0	6 x 1/4" x 52.9	6 x 1/4" x 52.9	
RF4-103	W1286030							
Brkt1	W21X44							
Brkt2	W21X44							
Brkt3	W21X44							
Brkt4	W21X44							

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1): xx=length(in)  
 D - FB2X2X07



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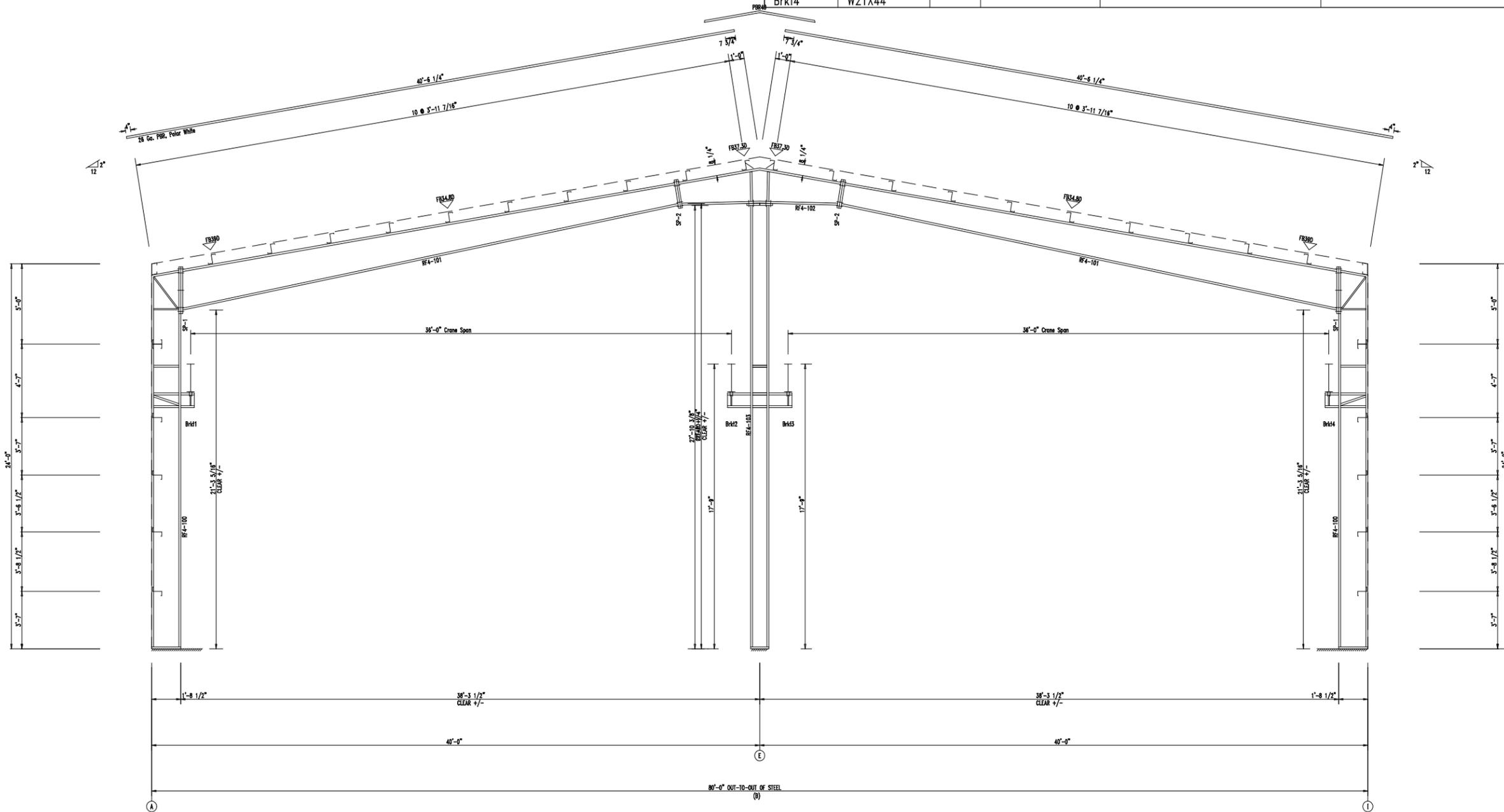
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RIGID FRAME ELEVATION: FRAME LINE 7

SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty		Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
	Top	Bot									
SP-1	4	4	2	A325	0.750	2.50	RF5-103	8	A325	0.750	2.50
SP-2	4	4	0	A325	0.750	2.50					

Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start/End	Thick	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF5-100	20.0/20.0	0.135	0.135	282.3	8 x 1/4" x 278.9	8 x 1/4" x 251.8		
RF5-101	26.0/17.1	0.135	0.135	299.0	8 x 1/4" x 20.5	6 x 1/4" x 295.0	6 x 1/4" x 107.5	
RF5-102	17.1/14.0	0.135	0.135	103.4	6 x 1/4" x 107.4	6 x 1/4" x 52.9	6 x 1/4" x 52.9	
RF5-103	14.1/24.8	0.135	0.135	130.3	6 x 1/4" x 66.0	6 x 1/4" x 52.9	6 x 1/4" x 52.9	
RF5-103	W1286030							
Brkt1	W21X44							
Brkt2	W21X44							
Brkt3	W21X44							
Brkt4	W21X44							

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1): xx=length(in)  
 D - FB2X2X07



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 RIGID FRAME ELEVATION

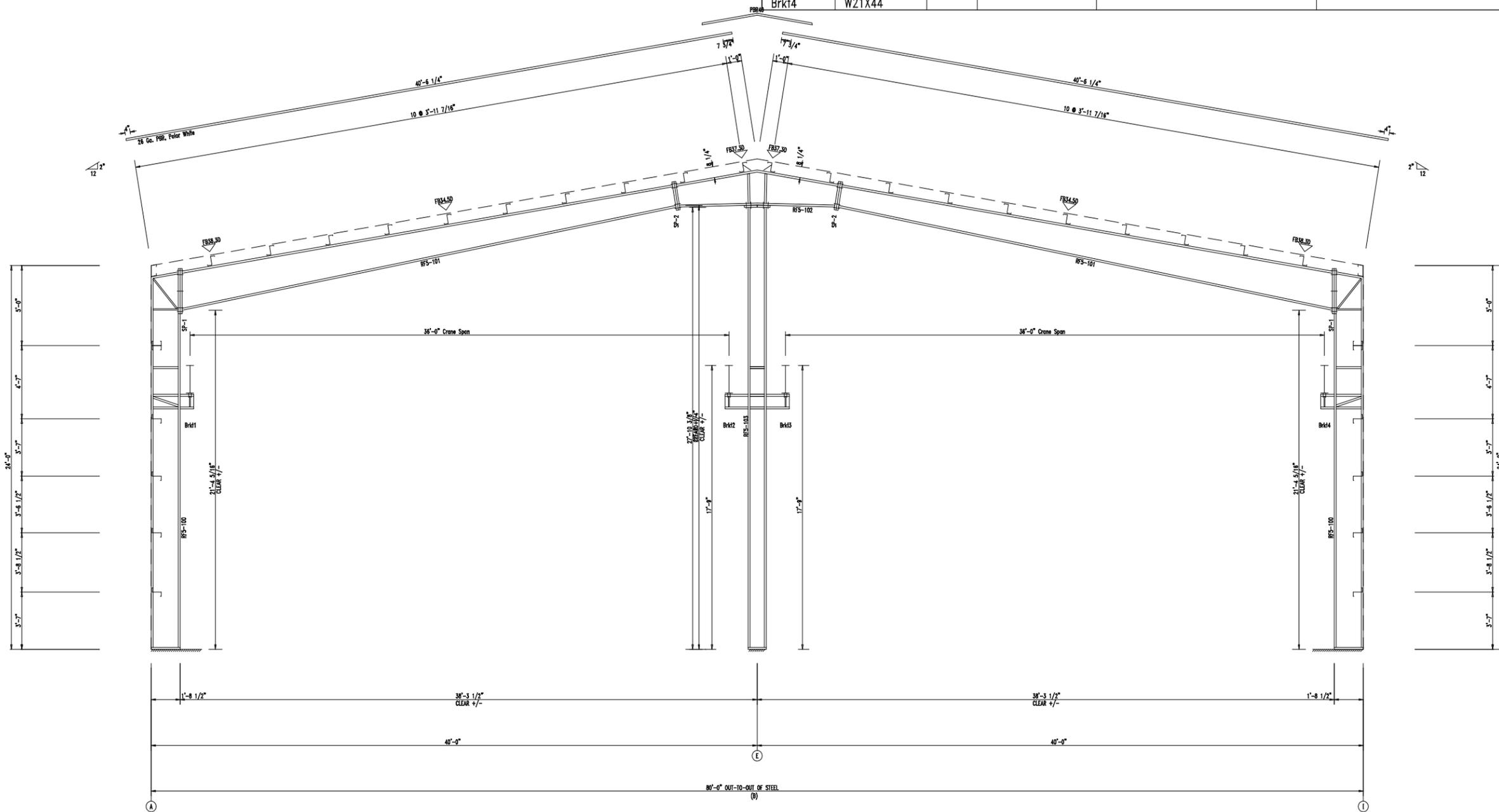
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RIGID FRAME ELEVATION: FRAME LINE 8

SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty		Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
	Top	Bot									
SP-1	4	4	2	A325	0.750	2.50	RF6-104	8	A325	0.750	2.50
SP-2	4	4	0	A325	0.750	2.50					

Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start/End	Thick	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF6-100	20.0/20.0	0.135	0.135	282.3	8 x 1/4" x 278.9	8 x 1/4" x 251.8		
RF6-101	26.0/17.1	0.135	0.135	299.0	8 x 1/4" x 20.5	6 x 1/4" x 295.0	6 x 1/4" x 107.5	
RF6-102	17.1/14.0	0.135	0.135	103.4	6 x 1/4" x 107.4	6 x 1/4" x 66.0	6 x 1/4" x 52.9	
RF6-103	14.1/24.8	0.135	0.135	130.3	6 x 1/4" x 66.0	6 x 1/4" x 66.0	6 x 1/4" x 52.9	
RF6-104	20.0/20.0	0.135	0.135	282.3	8 x 1/4" x 20.5	8 x 1/4" x 251.8		
RF6-104	W1286030							
Brkt1	W21X44							
Brkt2	W21X44							
Brkt3	W21X44							
Brkt4	W21X44							

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1): xx=length(in)  
 D - FB2X2X07



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CUSTOMER INFO

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SHEET NAME/TITLE  
 RIGID FRAME ELEVATION

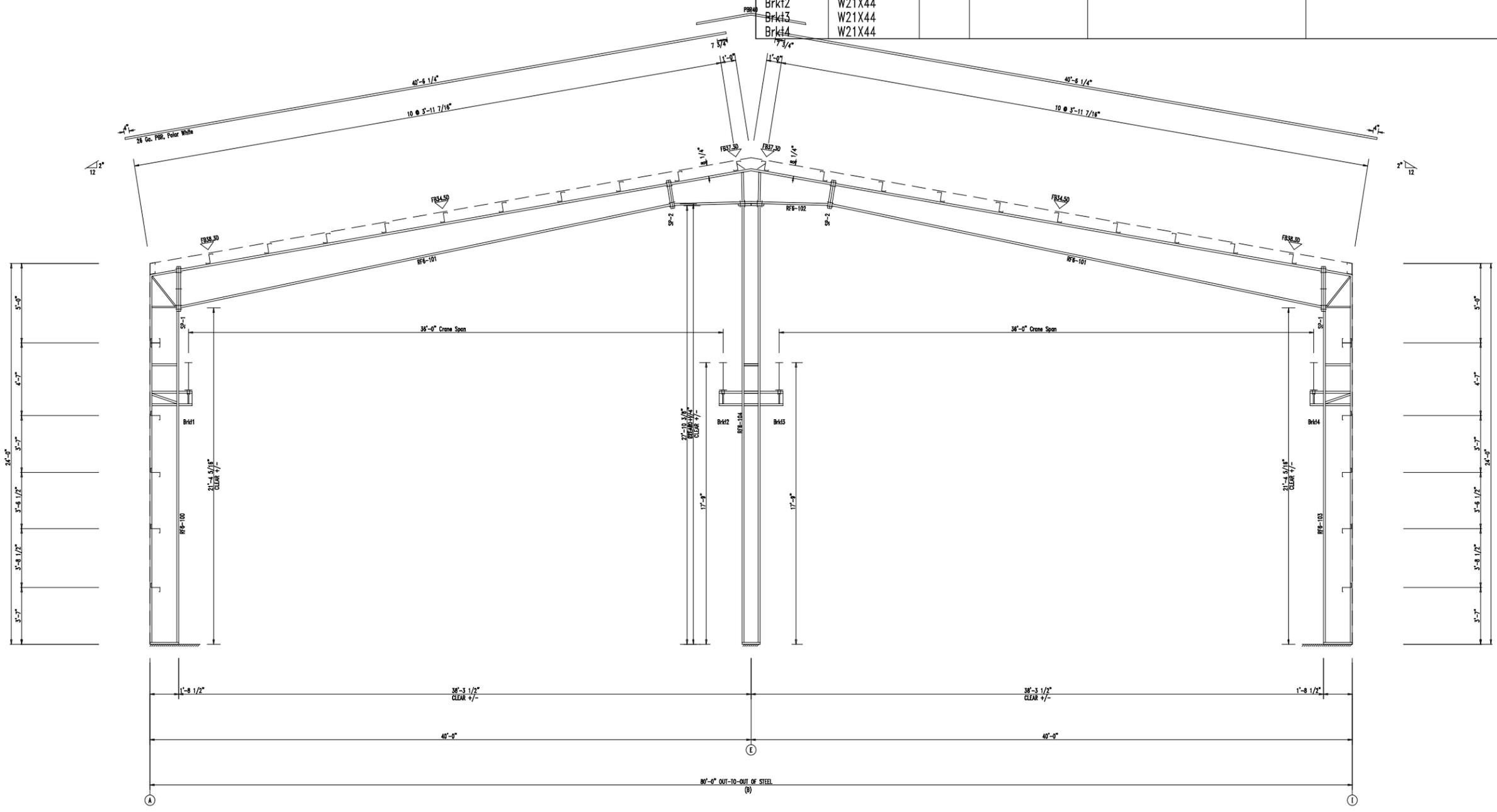
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 E20 of 55- NTS

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RIGID FRAME ELEVATION: FRAME LINE 9



SPlice Bolt Table						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	2	A325	0.750	2.50

MEMBER TABLE								
Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start	End	Thick	Length	W x Thk	x Length	W x Thk	x Length
RF8-100	8.0	20.0	0.135	281.6	6 x 1/4"	x 278.9	6 x 1/4"	x 258.1
RF8-101	20.0	16.0	0.135	228.6	6 x 1/4"	x 16.5	6 x 1/4"	x 228.6
	16.0	16.0	0.135	240.0	6 x 1/4"	x 299.0	6 x 1/4"	x 237.3
RF8-102	16.0	16.0	0.135	240.0	6 x 1/4"	x 169.6	6 x 1/4"	x 237.3
	16.0	20.0	0.135	228.6	6 x 1/4"	x 299.0	6 x 1/4"	x 228.6
RF8-103	20.0	8.0	0.135	281.6	6 x 1/4"	x 16.5	6 x 1/4"	x 258.1
	20.0	8.0	0.135	281.6	6 x 1/4"	x 278.9		



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FLANGE BRACES: Both Sides(U.N.)  
FBxxD(1): xx=length(in)  
D - FB2X2X07

CUSTOMER INFO

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PB50554

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ODESSA TEXAS 79763

SHEET NAME/TITLE  
RIGID FRAME ELEVATION

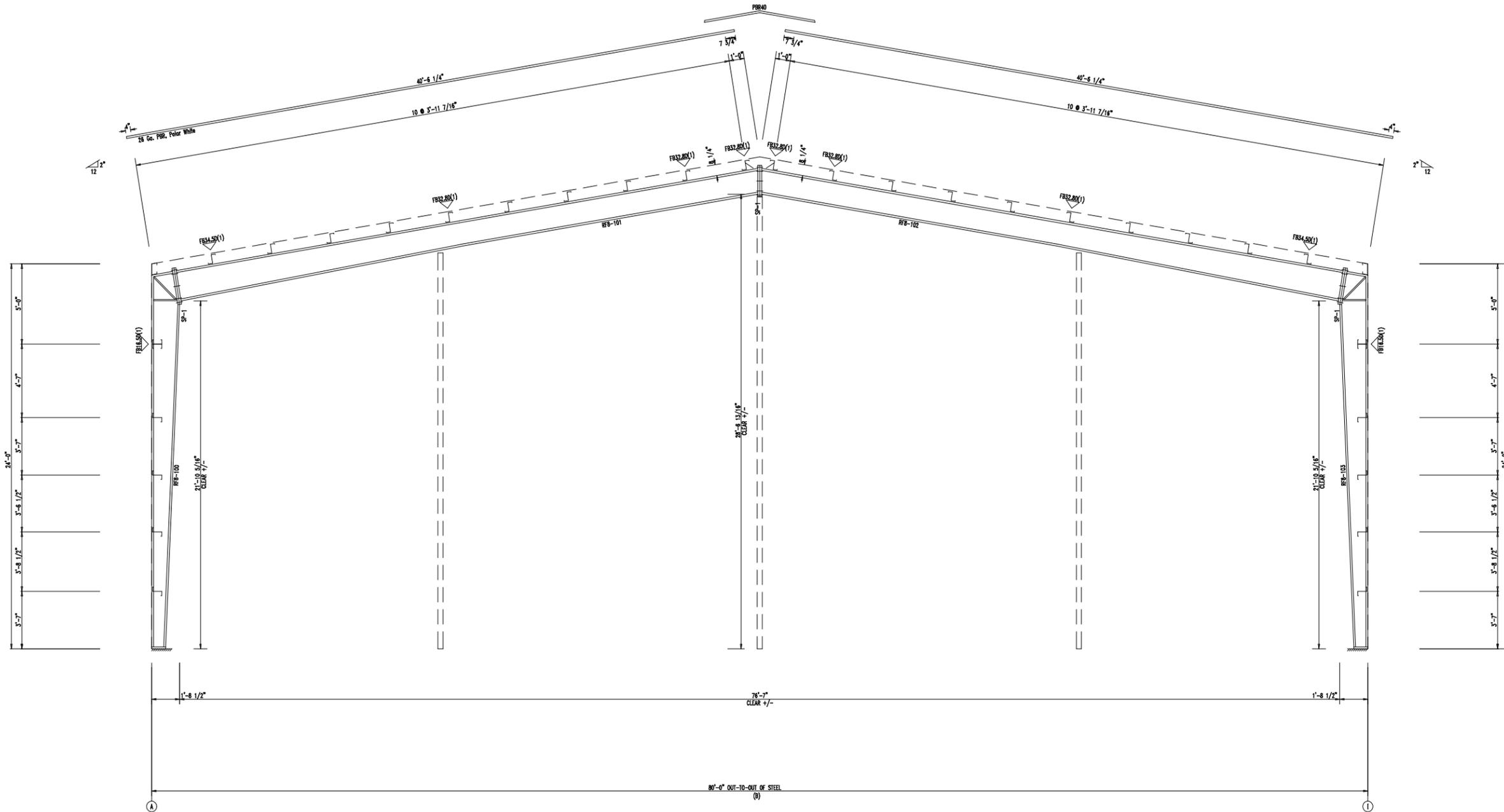
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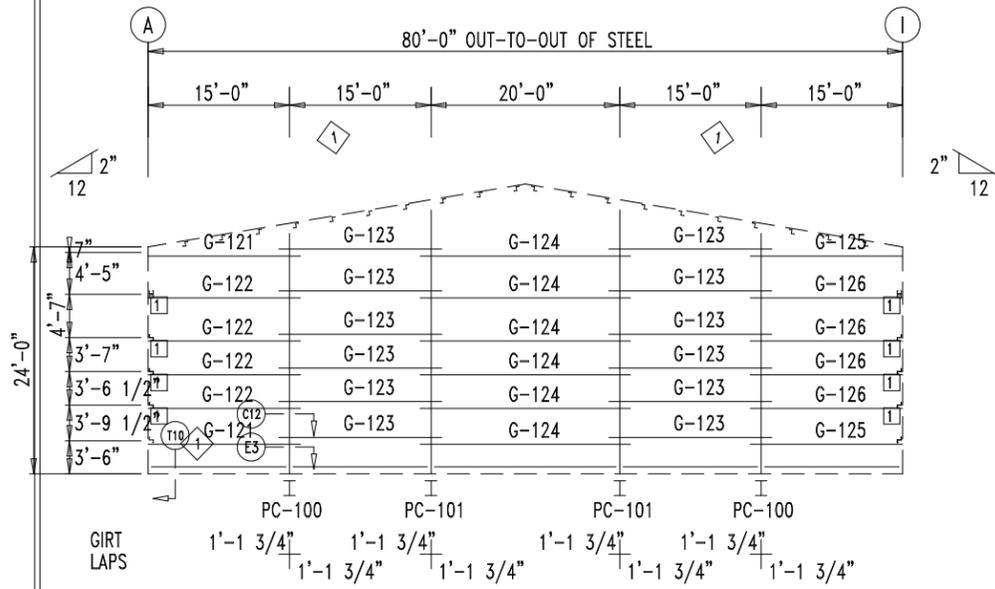
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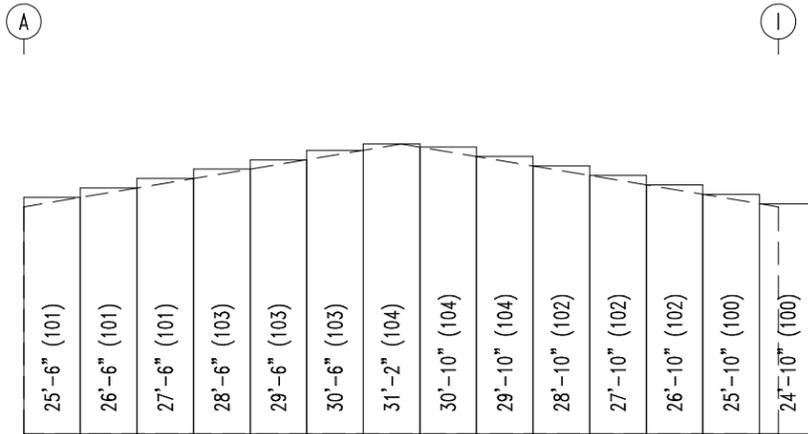


RIGID FRAME ELEVATION: FRAME LINE 11

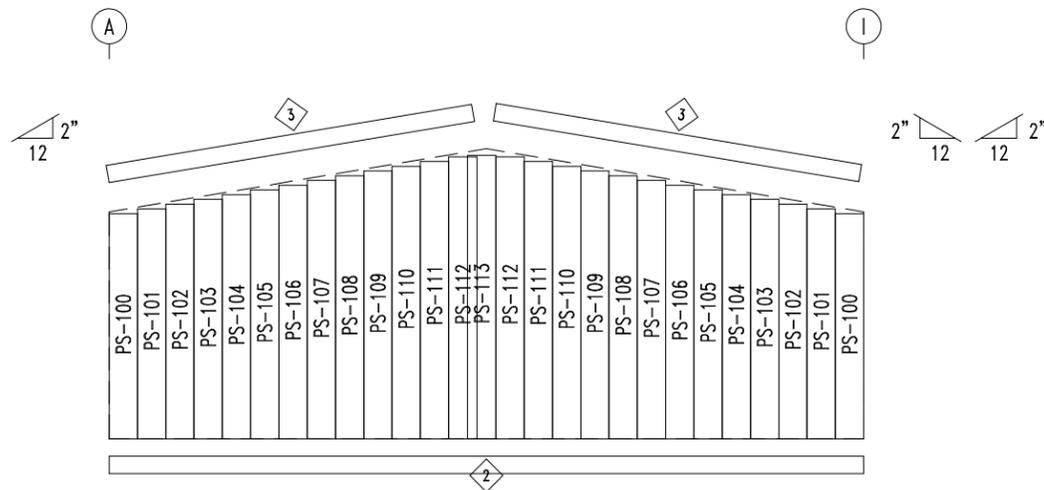
Partition Reactions:  
 Max Horz: 3 k ←  
 Max Vert: .4 k ↑



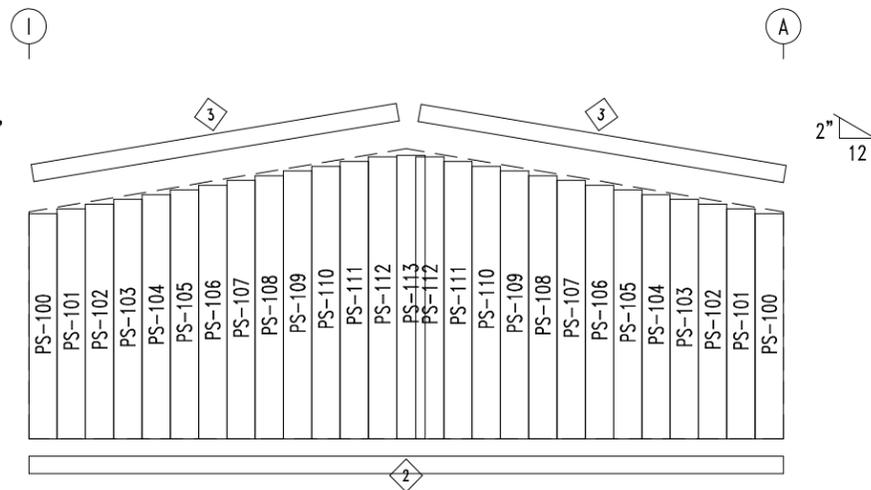
PARTITION 1 FRAMING



PARTITION 1 INSULATION



PARTITION 1 LEFT SHEETING & TRIM  
 PANELS: 26 Ga. PBR - Desert Sand



PARTITION 1 RIGHT SHEETING & TRIM  
 PANELS: 26 Ga. PBR - Desert Sand

MEMBER TABLE PARTITION 1		
MARK	PART	LENGTH
PC-100	W0864030	23'-9 7/8"
PC-101	W0864030	26'-10 13/16"
G-121	8X25Z14	15'-5 1/4"
G-122	8X25Z14	15'-5 1/4"
G-123	8X25Z14	17'-3 1/2"
G-124	8X25Z14	22'-3 1/2"
G-125	8X25Z14	15'-5 1/4"
G-126	8X25Z14	15'-5 1/4"

ANGLE TABLE PARTITION 1		
◇ ID	PART	LENGTH
1	L4X2X14	20'-0"

TRIM TABLE PARTITION 1		
◇ ID	PART	LENGTH
2	SCAN125	1'-0"
3	TRIA2	10'-2"

WALL INSULATION TABLE PARTITION 1			
ROLL	MARK	WIDTH	LENGTH
100	PI-100	6'-0"	50'-8"
101	PI-101	6'-0"	79'-6"
102	PI-102	6'-0"	83'-6"
103	PI-103	6'-0"	88'-6"
104	PI-104	6'-0"	91'-10"

PANEL TABLE PARTITION 1	
MARK	LENGTH
PS-100	23'-9 3/4"
PS-101	24'-3 3/4"
PS-102	24'-9 3/4"
PS-103	25'-3 3/4"
PS-104	25'-9 3/4"
PS-105	26'-3 3/4"
PS-106	26'-9 3/4"
PS-107	27'-3 3/4"
PS-108	27'-9 3/4"
PS-109	28'-3 3/4"
PS-110	28'-9 3/4"
PS-111	29'-3 3/4"
PS-112	29'-9 3/4"
PS-113	29'-11 3/4"

CONNECTION PLATES PARTITION 1	
◇ ID	MARK/PART
1	r100



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SHEET NAME/TITLE  
 PARTITION FRAMING

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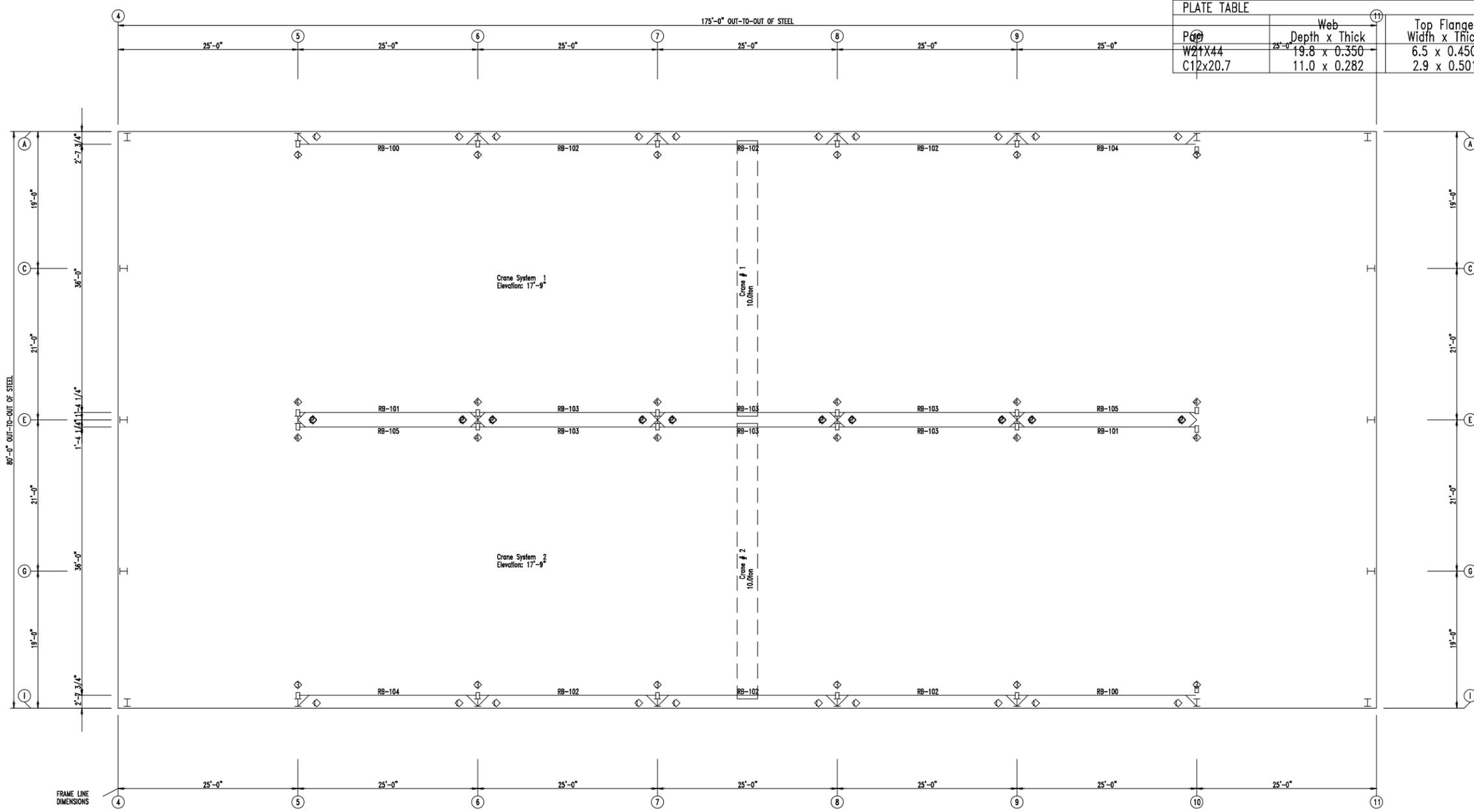


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Mark	Part	Length
RB-100	W21X44\C12x20.7	25'-2 1/4"
RB-101	W21X44\C12x20.7	25'-2 1/4"
RB-102	W21X44\C12x20.7	24'-11 1/2"
RB-103	W21X44\C12x20.7	24'-11 1/2"
RB-104	W21X44\C12x20.7	25'-2 1/4"
RB-105	W21X44\C12x20.7	25'-2 1/4"

Part	Web Depth x Thick	Top Flange Width x Thick	Bottom Flange Width x Thick
W21X44	25'-0" 19.8 x 0.350	6.5 x 0.450	6.5 x 0.450
C12x20.7	11.0 x 0.282	2.9 x 0.501	2.9 x 0.501

ID	Part
1	L3X3X316
2	L3X3X316
3	L3X3X316
4	L3X3X316



CRANE PLAN

CUSTOMER INFO

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PB50554  
SHARP OILFIELD SERVICES  
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SHEET NAME/TITLE  
CRANE PLAN

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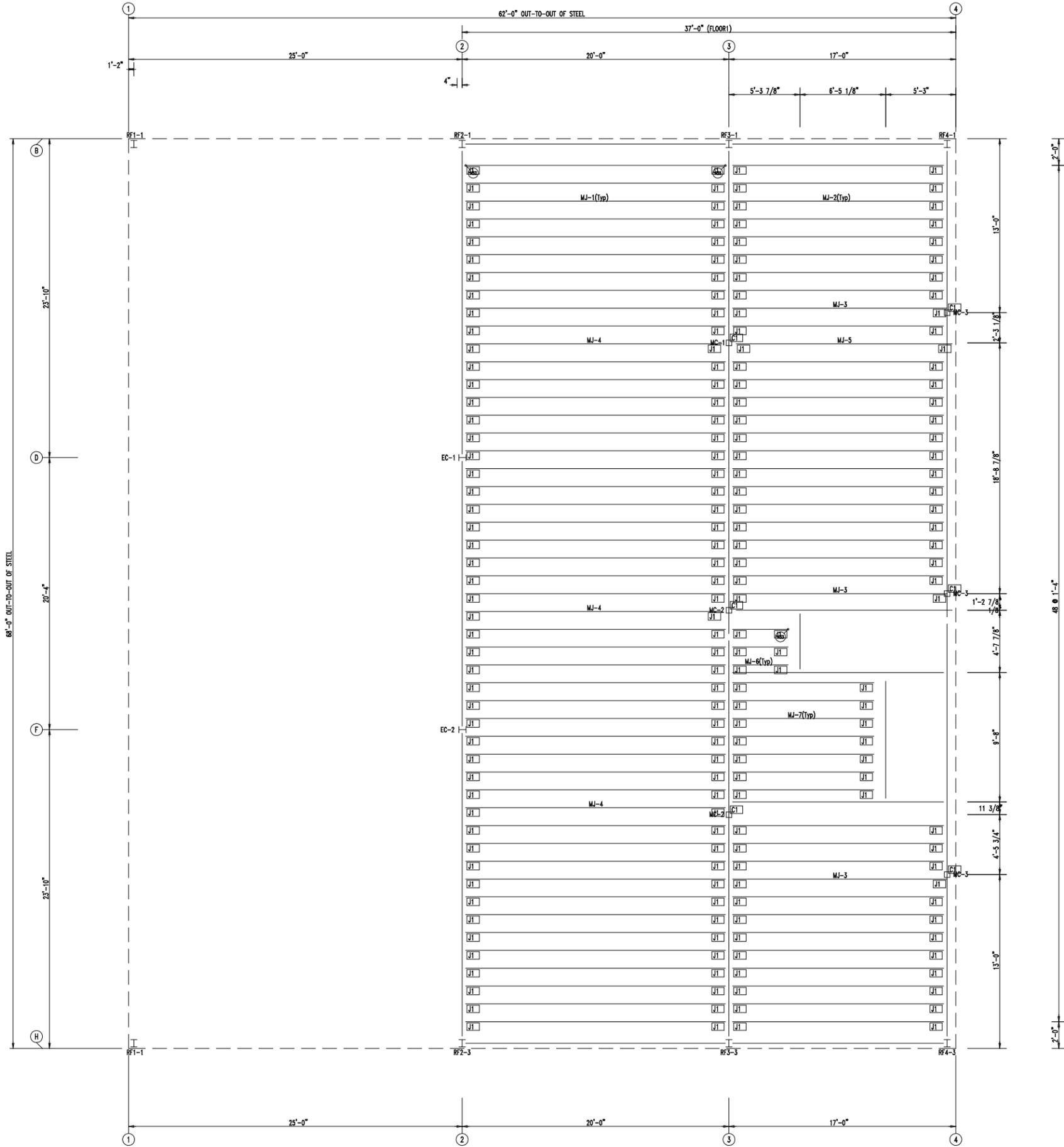
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Crane Specs For Crane System #1:

	Crane #1	Crane #2	Crane #3
Capacity:	20 Kips	Kips	Kips
Service Class:	C		
Bridge Weight:	5.8 Kips	Kips	Kips
Trolley/Hoist Weight:	1.5 Kips	Kips	Kips
Vertical Impact:	10.0 %	%	%
Lateral Force:	20.0 %	%	%
Longitudinal Force:	10.0 %	%	%







JOIST BOLT TABLE				
ID	QUAN	TYPE	DIA	LENGTH
J1	2	A325	3/4"	2 1/2"

SUPPORT COLUMN BOLT TABLE				
ID	QUAN	TYPE	DIA	LENGTH
C1	4	A325	3/4"	2 1/2"

MEMBER TABLE		
MARK	PART	LENGTH
MC-1	T035035D	10'-4 1/2"
MC-2	T035035D	10'-4 1/2"
MC-3	T035035D	10'-4 1/2"
MJ-1	10X25Z12	19'-5"
MJ-2	10X27Z14	16'-1"
MJ-3	10X27Z14	16'-1"
MJ-4	10X25Z12	19'-5"
MJ-5	10X27Z14	16'-1"
MJ-6	10X27Z14	5'-0 3/8"
MJ-7	10X27Z14	11'-5 1/2"



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SHEET NAME/TITLE  
 FLOOR JOISTS

DRAWN BY  
 BN

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 5/19/23

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 BN

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 5/19/23

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DATE  
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FLOOR JOISTS



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CUSTOMER INFO

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SHEET NAME/TITLE

FLOOR FRAMING

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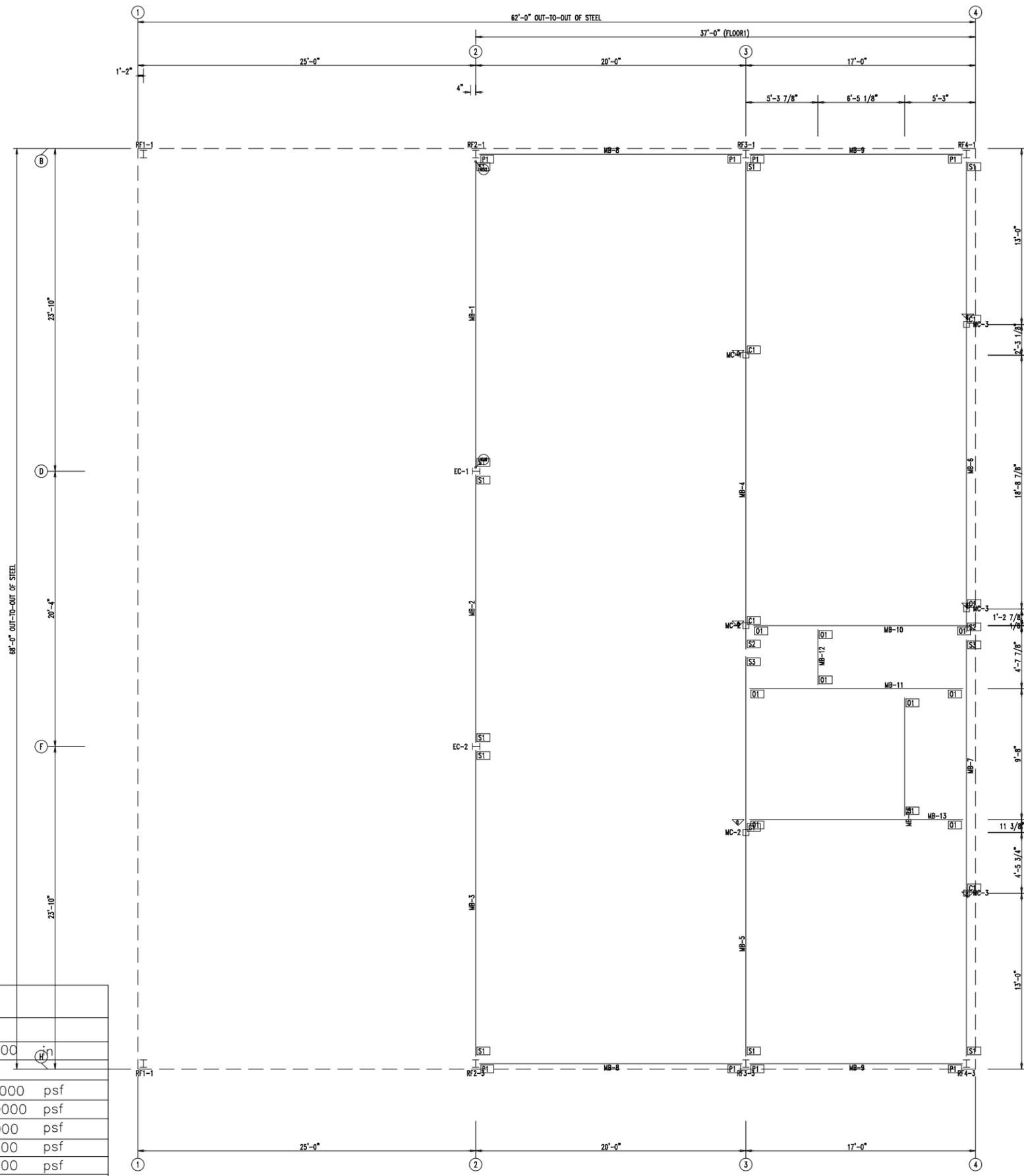
PERIMETER BEAM BOLT TABLE				
ID	QUAN	TYPE	DIA	LENGTH
P1	2	A325	3/4"	2 1/2"

SUPPORT BEAM BOLT TABLE				
ID	QUAN	TYPE	DIA	LENGTH
S1	5	A325	3/4"	2 1/2"
S2	6	A325	3/4"	2 1/2"
S3	4	A325	3/4"	2 1/2"

OPENING BOLT TABLE				
ID	QUAN	TYPE	DIA	LENGTH
O1	2	A325	3/4"	2 1/2"

SUPPORT COLUMN BOLT TABLE				
ID	QUAN	TYPE	DIA	LENGTH
C1	4	A325	3/4"	2 1/2"

MEMBER TABLE		
MARK	PART	LENGTH
MB-1	W1466020	22'-8 1/8"
MB-2	W1464020	20'-2 3/4"
MB-3	W1466020	22'-8 1/8"
MB-4	W1464025	36'-2"
MB-5	W1464025	29'-8"
MB-6	W1464020	34'-9"
MB-7	W1464020	30'-9"
MB-8	W10X12	19'-10 3/4"
MB-9	W10X12	16'-6 3/4"
MB-10	W10X12	16'-4 1/4"
MB-11	W10X12	11'-7 5/8"
MB-12	C10x15.3	4'-4 3/16"
MB-13	W10X12	16'-4 1/4"
MB-14	C10x15.3	9'-3 7/8"
MC-1	T035035D	10'-4 1/2"
MC-2	T035035D	10'-4 1/2"
MC-3	T035035D	10'-4 1/2"



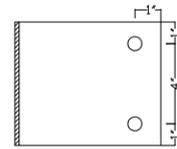
FLOOR FRAMING

Floor Loads	
Deck Type:	PW
Deck Thickness:	1.5000 in
Use:	0
Dead:	17.0000 psf
Live:	80.0000 psf
Partition:	0.0000 psf
Collateral Above:	3.0000 psf
Collateral Below:	3.0000 psf
Dead + Live Deflection:	L/ 240
Live Deflection:	L/ 360

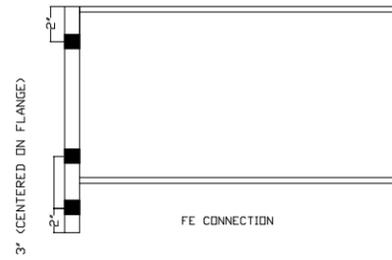
SUPPORT BEAM CONNECTION TABLE										
	Conn. Type	Length	START			Conn. Type	Length	END		
			Thickness	# Rows	Bolt Dia.			Thickness	# Rows	Bolt Dia.
V1266030	S9	6.000	.375	2	0.750	S9	6.000	.375	2	0.750
V1264030	S9	6.000	.375	2	0.750	S9	6.000	.375	2	0.750
V1266030	S9	6.000	.375	2	0.750	S9	6.000	.375	2	0.750
V1264030	S9	6.000	.375	2	0.750	FE	6.000	.625		0.750
V1264030	FE	6.000	.625		0.750	S9	6.000	.375	2	0.750
V1264030	S9	6.000	.375	2	0.750	FE	6.000	.625		0.750
V1264030	FE	6.000	.625		0.750	S9	6.000	.375	2	0.750

PERIMETER BEAM CONNECTION TABLE										
	Conn. Type	Length	START			Conn. Type	Length	END		
			Thickness	# Rows	Bolt Dia.			Thickness	# Rows	Bolt Dia.
V10X12	S9	6.000	.375	2	0.750	S9	6.000	.375	2	0.750

JOIST CONNECTION TABLE										
	Conn. Type	Length	START			Conn. Type	Length	END		
			Thickness	# Rows	Bolt Dia.			Thickness	# Rows	Bolt Dia.
10X25Z12	S9	6.000	.375	2	0.750	S9	6.000	.375	2	0.750
10X27Z14	S9	6.000	.375	2	0.750	S9	6.000	.375	2	0.750



S9 CONNECTION



FE CONNECTION



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FLOOR FRAMING

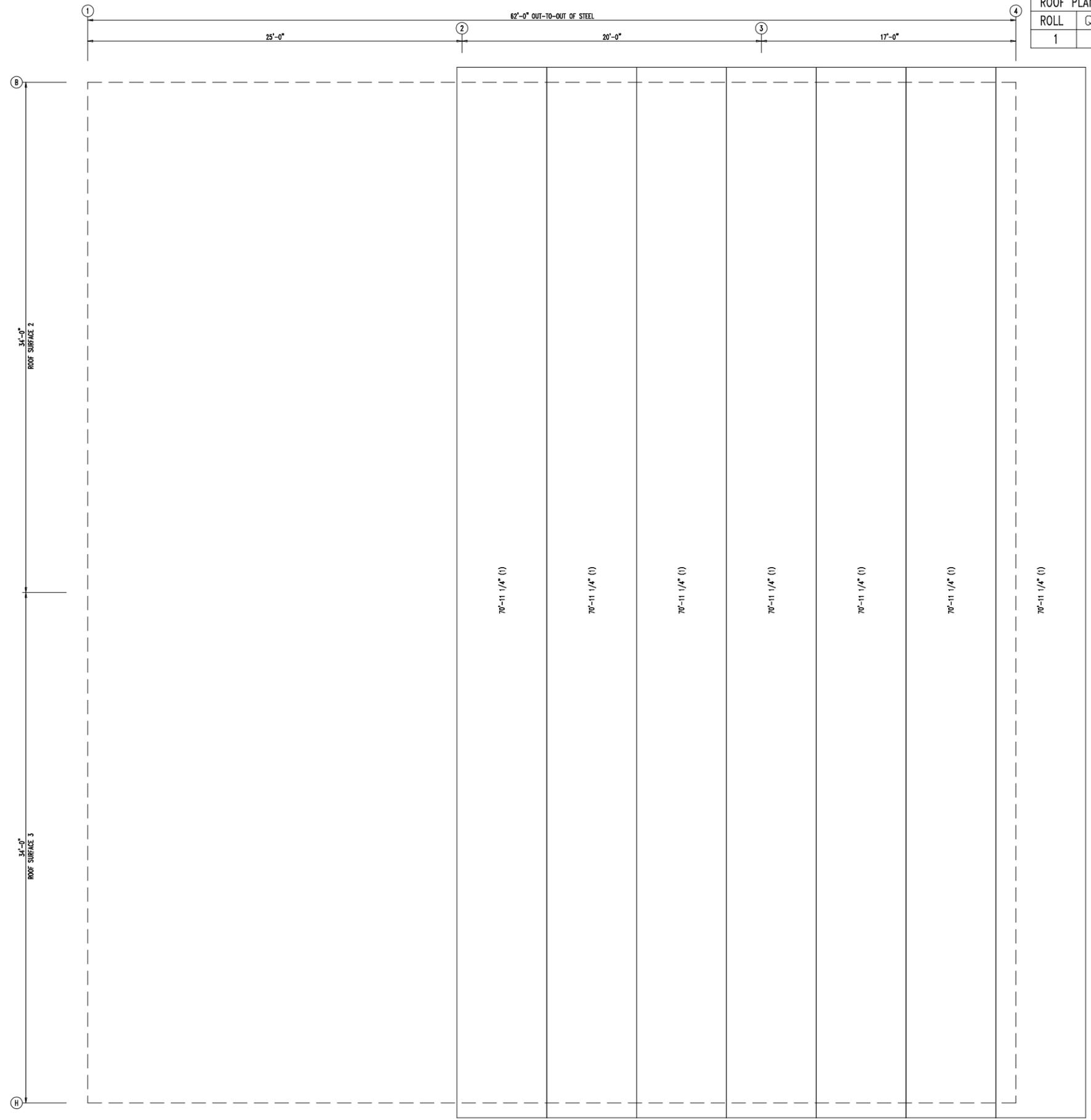
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. 4/11/23

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INSULATION TABLE  
ROOF PLAN

ROLL	QUAN	MARK	WIDTH	LENGTH
1	7	RI-1	6'-0"	70'-11 1/4"



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ROOF INSULATION

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ROOF INSULATION  
INSULATION: 3.00" Thick VR

INSULATION TABLE				
ROOF PLAN				
ROLL	QUAN	MARK	WIDTH	LENGTH
100	30	RI-100	6'-0"	83'-1 1/4"



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 ROOF INSULATION

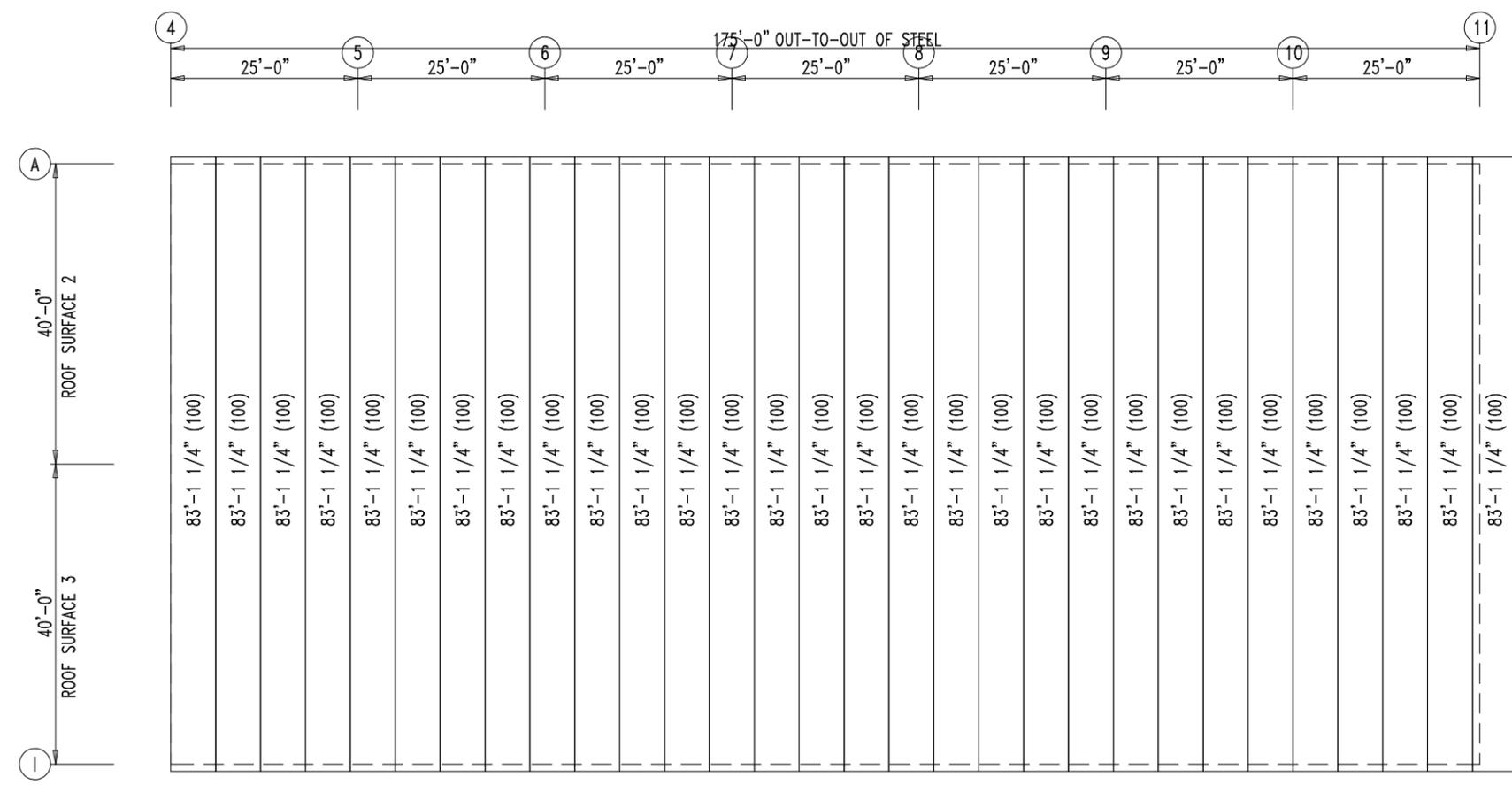
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ROOF INSULATION  
 INSULATION: 3.00" Thick VR





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INSULATION TABLE  
FRAME LINE 4 | 11 A

ROLL	QUAN	MARK	WIDTH	LENGTH
100	1	WI-100	6'-0"	49'-0"
101	1	WI-101	6'-0"	76'-6"
102	1	WI-102	6'-0"	80'-6"
103	3	WI-103	6'-0"	82'-0"
104	1	WI-104	6'-0"	85'-0"
105	1	WI-105	6'-0"	85'-6"
106	1	WI-106	6'-0"	86'-6"
107	1	WI-107	6'-0"	90'-0"
108	4	WI-108	6'-0"	90'-6"
109	1	WI-109	6'-0"	92'-6"
110	1	WI-110	6'-0"	93'-4"
111	4	WI-111	6'-0"	98'-0"
112	1	WI-112	6'-0"	99'-0"
113	1	WI-113	6'-0"	99'-8"
114	1	WI-114	6'-0"	102'-0"

LEGEND:  
49'-0" (1)  
Length (Roll #)

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SHARP OILFIELD SERVICES  
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SHEET NAME/TITLE  
WALL INSULATION

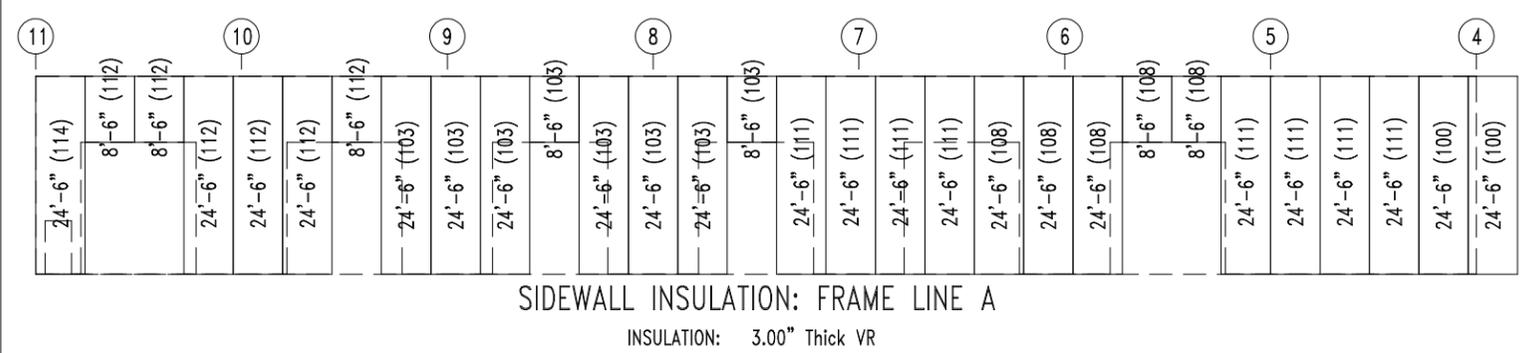
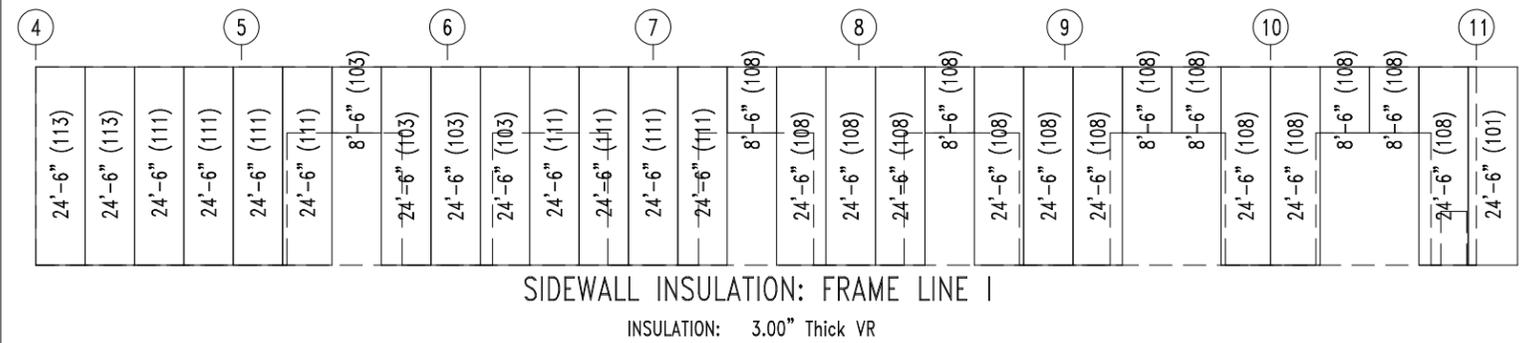
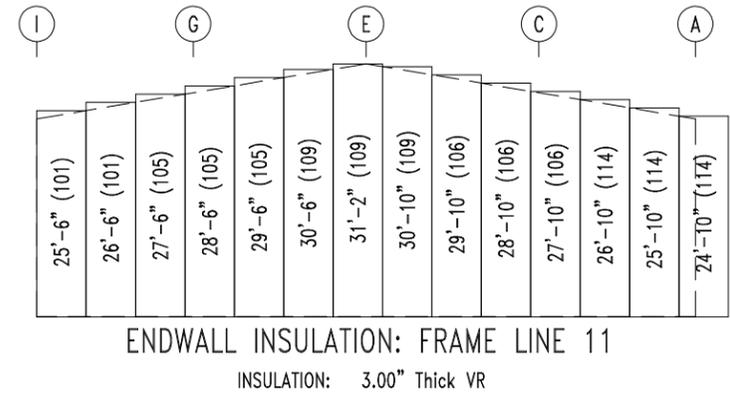
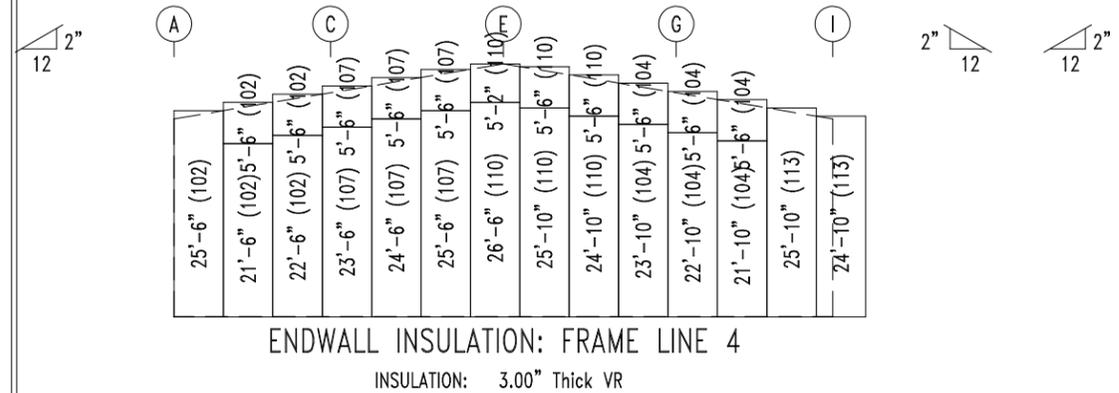
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TRIM TABLE	
FRAME LINE 4	
◇ ID	PART
1	TRJTR
2	TRHTR



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WALL LINER PANEL

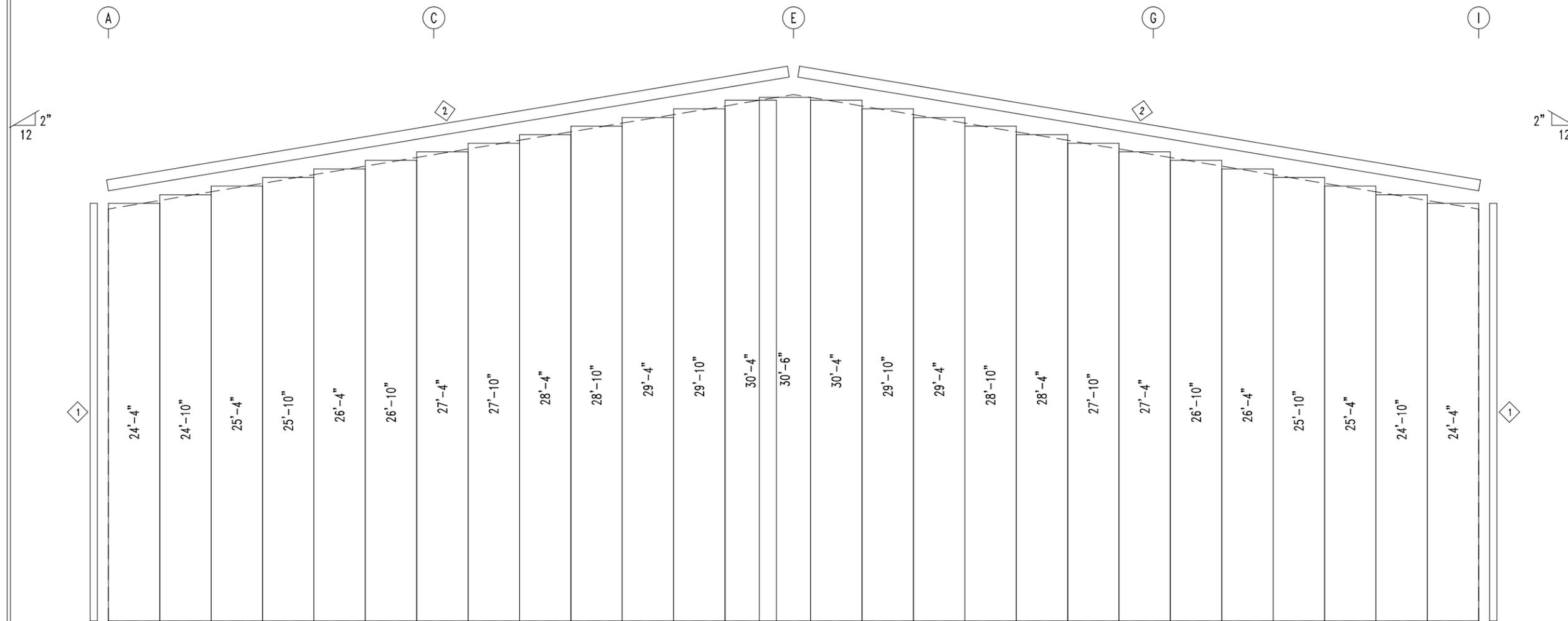
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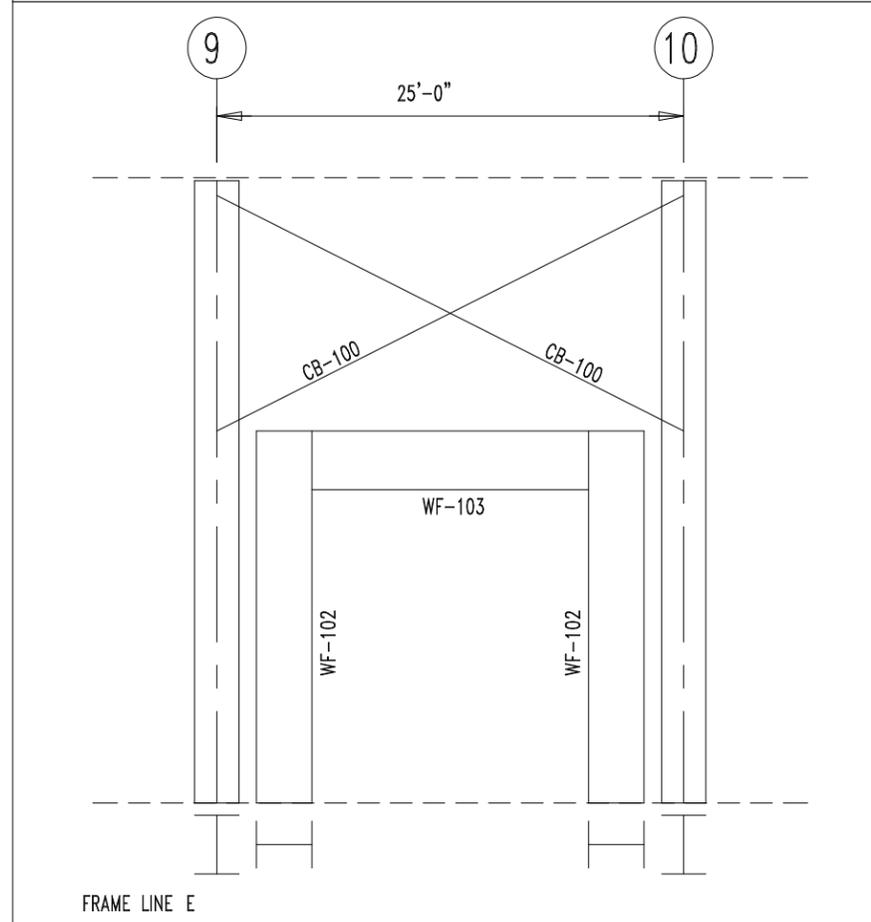
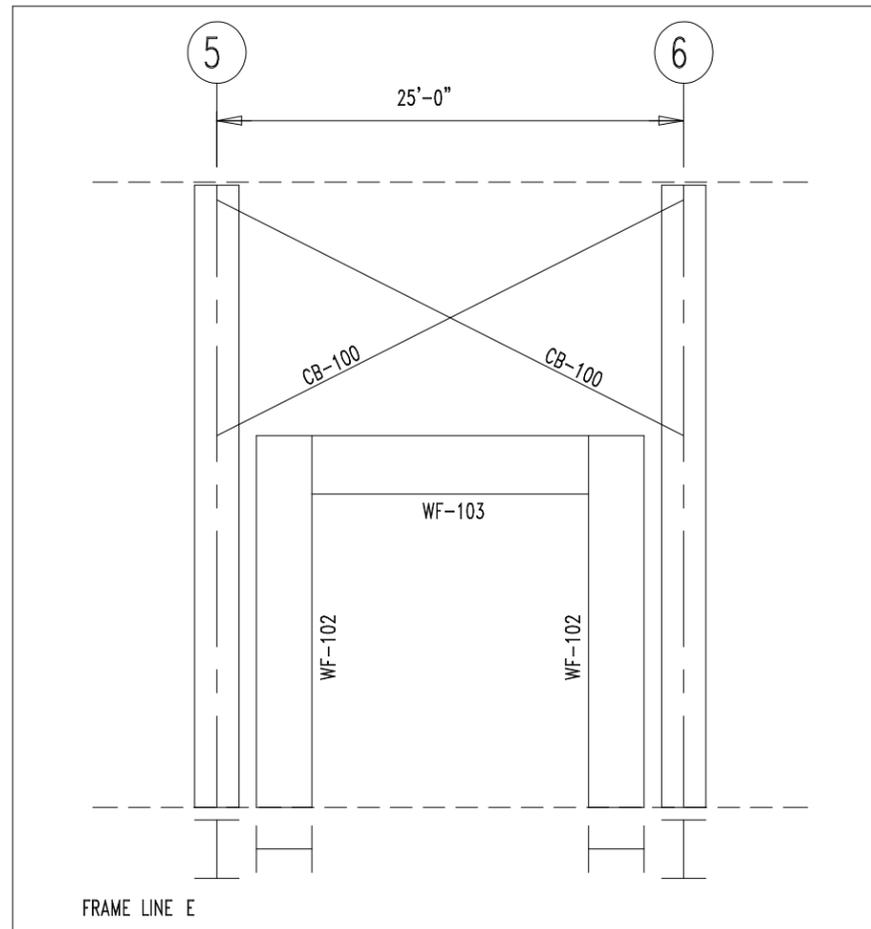
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ENDWALL LINER SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Ga. PBR - Brownstone



**BUILDING BRACING REACTIONS**

Loc	Wall Line	Col Line	± Reactions (k)				Note
			Wind		Seismic		
			Horz	Vert	Horz	Vert	
INT	E	5,6	0.0	5.0	0.0	0.9	(d)
	E	9,10	0.0	5.0	0.0	0.9	(d)
	E	5,6	2.1	3.3	0.4	0.6	(b)
	E	9,10	2.1	3.3	0.4	0.6	(b)

(b) Wind bent in bay, base above finish floor  
 (d) X-Bracing above wind bent, base above finish floor

**MEMBER TABLE**

Mark	Part	Length
WF-100	W1464020	22'-0"
WF-101	W1464020	21'-3 3/8"
WF-102	W1464020	17'-10"
WF-103	W1464020	21'-3 5/16"
CB-100	CB0250	27'-10"



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CUSTOMER INFO

PROJECT  
 PB50554

SHARP OILFIELD SERVICES  
 ODESSA TEXAS 79763

SHEET NAME/TITLE  
 BRACING DRAWING

DRAWN BY  
 BN

DATE  
 4/19/23

CHECKED BY  
 BN

DATE  
 4/19/23

APPROVED BY

DATE  
 4/19/23

SHEET NO. REV. SCALE  
 E38 of 47- NTS

REVISIONS			
NO.	NOTES	BY	DATE
--	--	--	00-00-00

SPLICE BOLTS					
Splice Mark	Quan		-----Bolt-----		
	Top/	Bot	Type	Dia	Length
SP- 1	4	4	A325	0.750	2.50

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF-2	W1264030	17'-7 3/8"
WF-1	W1464020	17'-10 1/2"



432-758-9900  
430 US HWY 180 W  
SEMINOLE, TX 79360

CUSTOMER INFO

PROJECT  
PB50554  
  
SHARP OILFIELD SERVICES  
ODESSA TEXAS 79763

SHEET NAME/TITLE  
WIND BENT ELEVATION

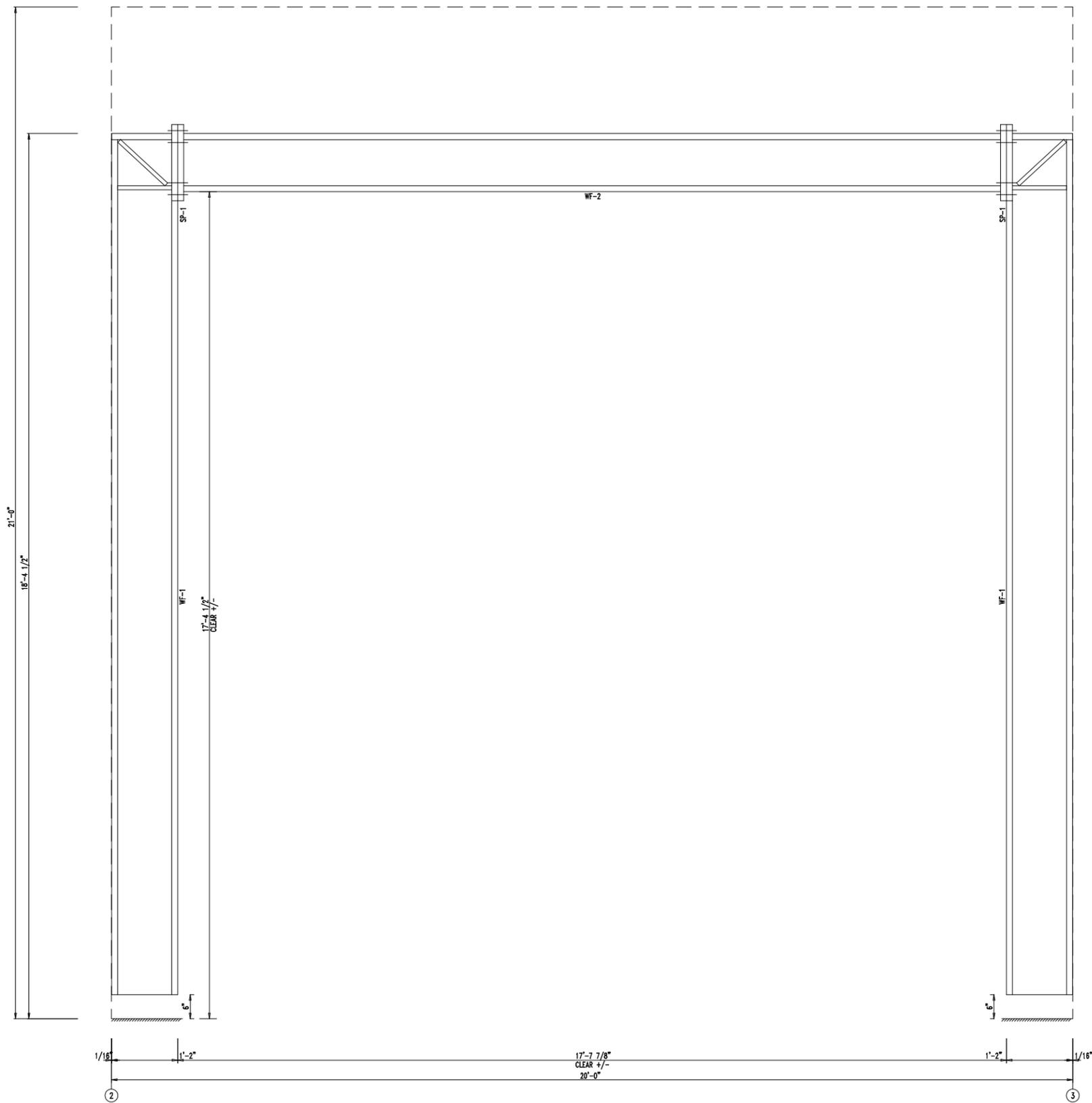
DRAWN BY BN DATE 5/19/23

CHECKED BY BN DATE 5/19/23

APPROVED BY DATE 5/19/23

SHEET NO. E46 of 55- REV. SCALE NTS

REVISIONS			
NO.	NOTES	BY	DATE
--	--	--	00-00-00



WIND BENT ELEVATION: FRAME LINE H

SPLICE BOLTS					
Splice Mark	Quan		-----Bolt-----		
	Top/	Bot	Type	Dia	Length
SP- 1	4	4	A325	0.750	2.50

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF-101	W1464020	21'-3 3/8"
WF-100	W1464020	22'-6"



432-758-9900  
 430 US HWY 180 W  
 SEMINOLE, TX 79360

CUSTOMER INFO

PROJECT  
 PB50554  
 SHARP OILFIELD SERVICES  
 ODESSA TEXAS 79763

SHEET NAME/TITLE  
 WIND BENT ELEVATION

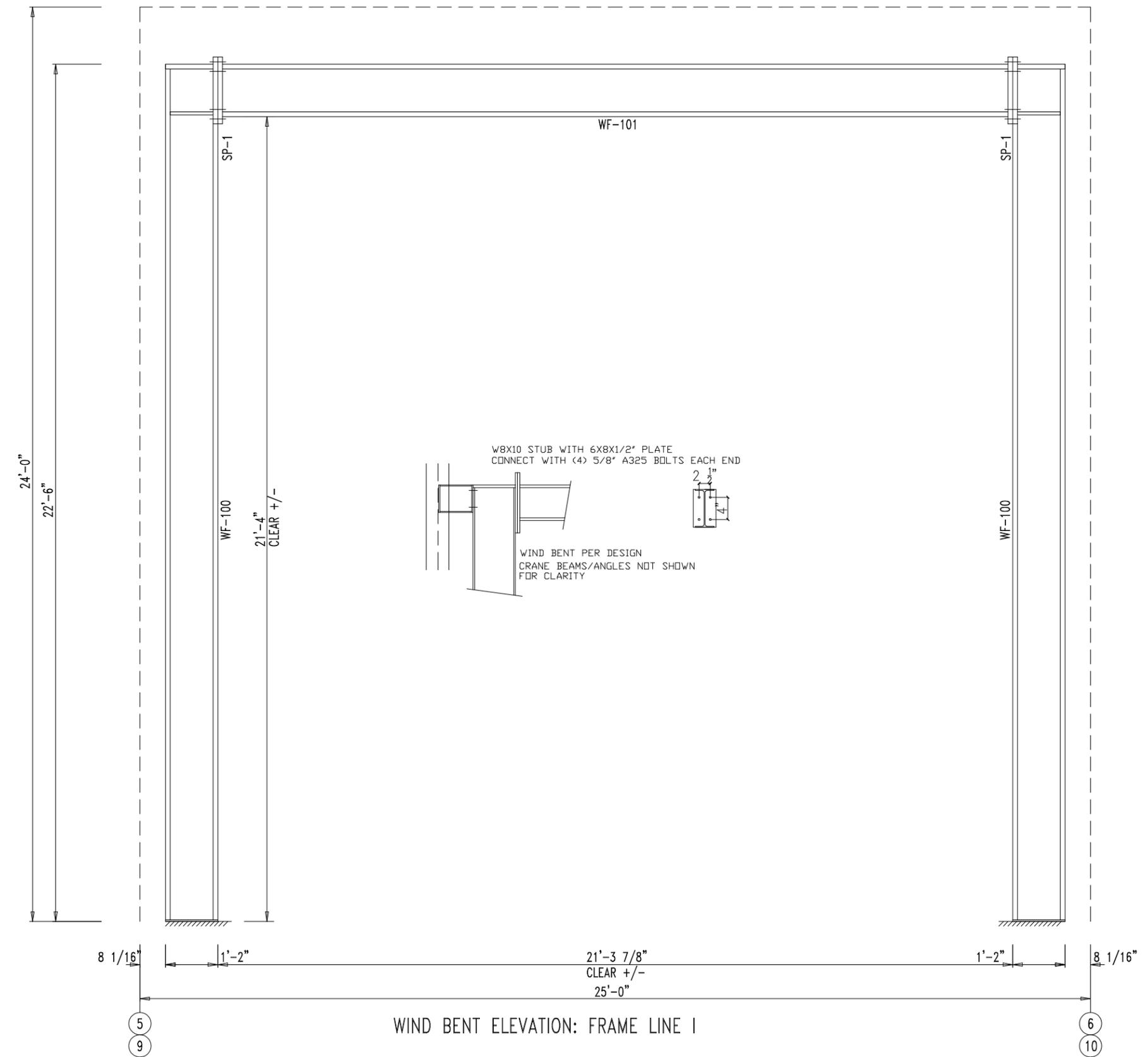
DRAWN BY BN DATE 4/18/23

CHECKED BY BN DATE 4/18/23

APPROVED BY DATE 4/18/23

SHEET NO. PN REV. -- SCALE NTS

REVISIONS			
NO.	NOTES	BY	DATE
--	--	--	00-00-00



WIND BENT ELEVATION: FRAME LINE I

SPLICE BOLTS					
Splice Mark	Quan		-----Bolt-----		
	Top/	Bot	Type	Dia	Length
SP- 1	4	4	A325	0.750	2.50

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF-3	W1264030	17'-7 3/8"
WF-1	W1464020	17'-10 1/2"



432-758-9900  
430 US HWY 180 W  
SEMINOLE, TX 79360

CUSTOMER INFO

PROJECT  
PB50554

SHARP OILFIELD SERVICES  
ODESSA TEXAS 79763

SHEET NAME/TITLE  
WIND BENT ELEVATION

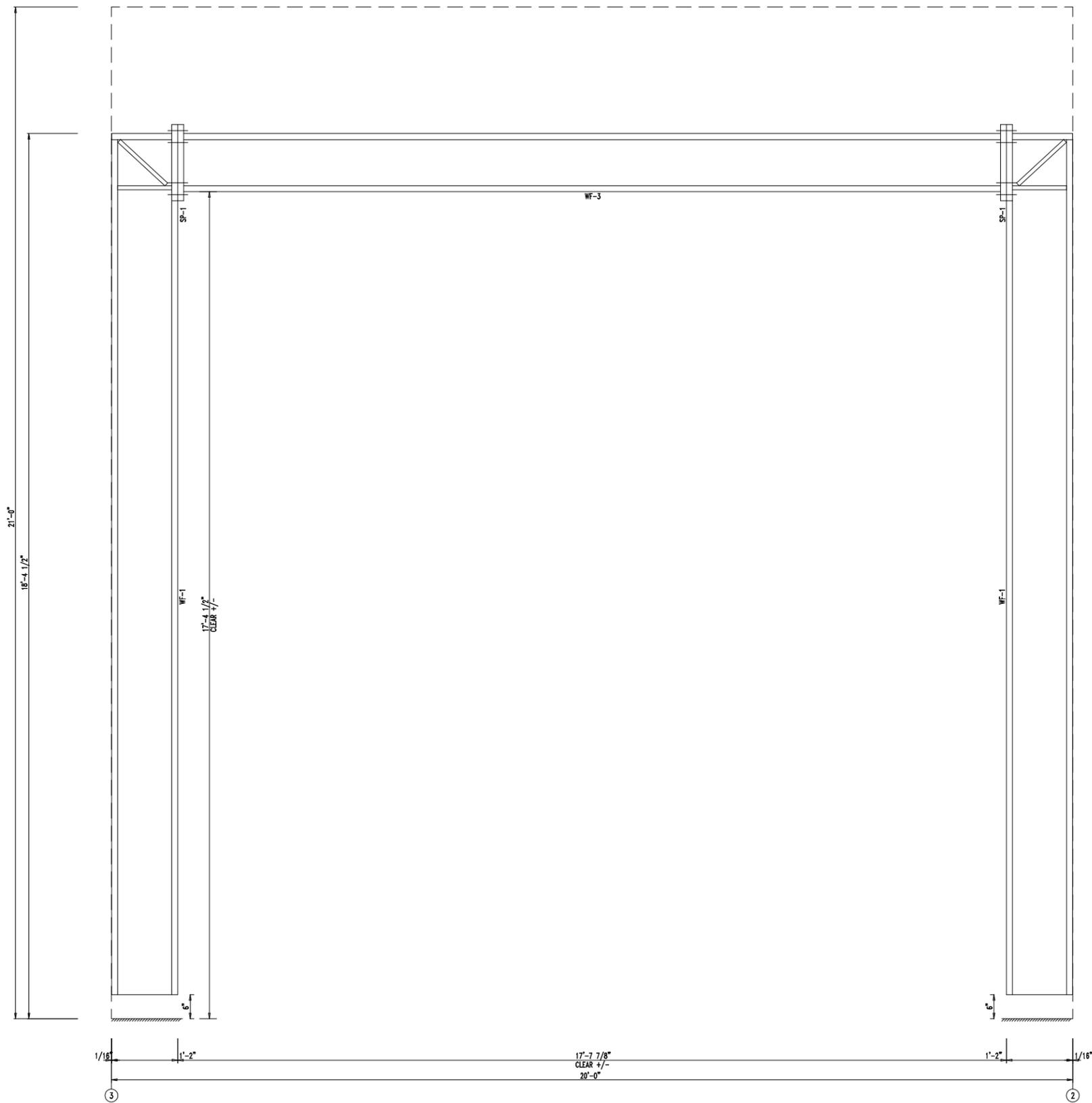
DRAWN BY BN DATE 5/19/23

CHECKED BY BN DATE 5/19/23

APPROVED BY DATE 5/19/23

SHEET NO. REV. SCALE  
E49 of 55- NTS

REVISIONS			
NO.	NOTES	BY	DATE
--	--	--	00-00-00



WIND BENT ELEVATION: FRAME LINE B

SPLICE BOLTS					
Splice Mark	Quan		-----Bolt-----		
	Top/	Bot	Type	Dia	Length
SP- 1	4	4	A325	0.750	2.50

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF-101	W1464020	21'-3 3/8"
WF-100	W1464020	22'-6"



432-758-9900  
430 US HWY 180 W  
SEMINOLE, TX 79360

CUSTOMER INFO

PROJECT  
PB50554  
SHARP OILFIELD SERVICES  
ODESSA TEXAS 79763

SHEET NAME/TITLE  
WIND BENT ELEVATION

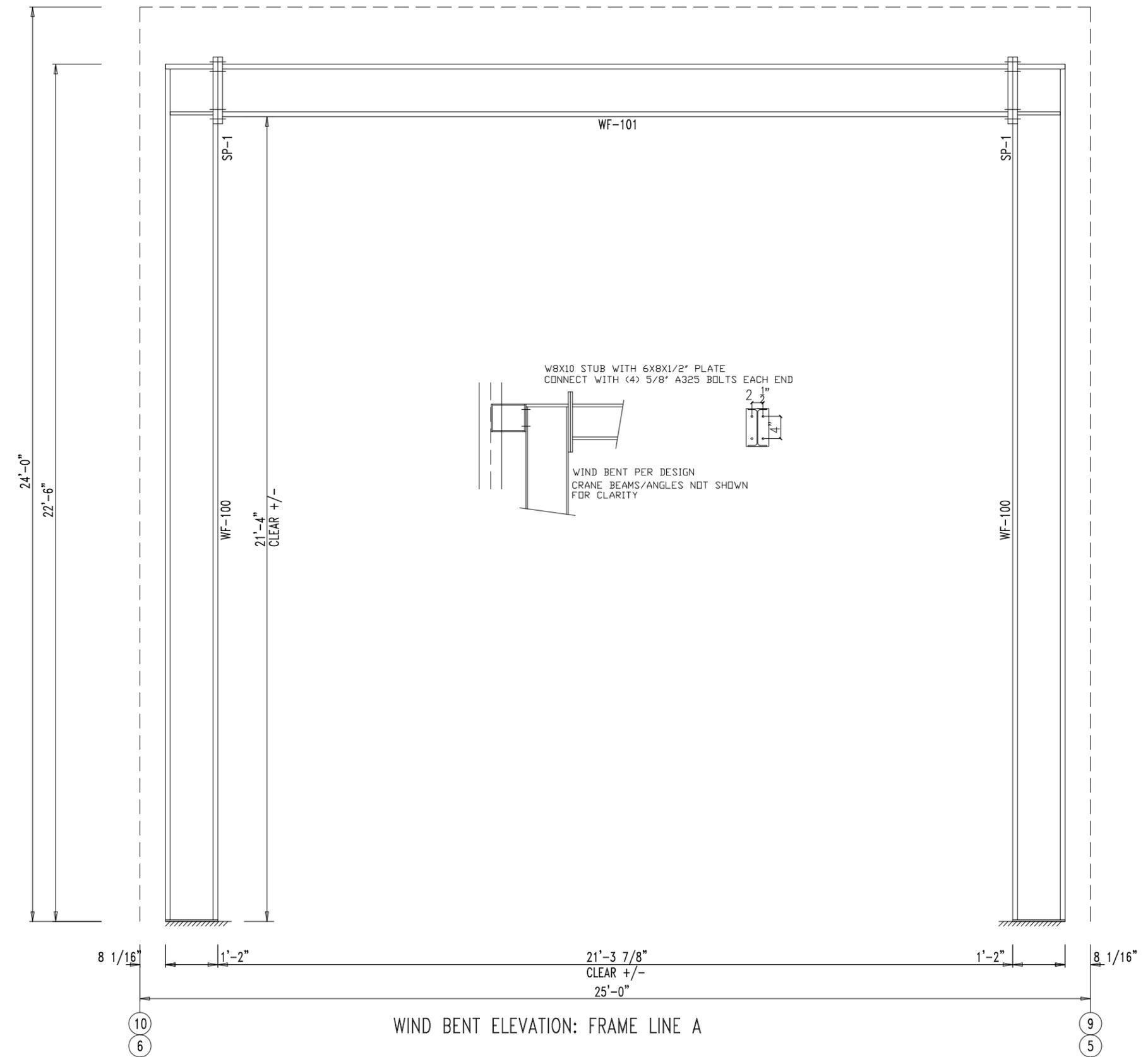
DRAWN BY BN DATE 4/18/23

CHECKED BY BN DATE 4/18/23

APPROVED BY DATE 4/18/23

SHEET NO. PN REV. -- SCALE NTS

REVISIONS			
NO.	NOTES	BY	DATE
--	--	--	00-00-00



WIND BENT ELEVATION: FRAME LINE A

SPLICE BOLTS					
Splice Mark	Quan		Bolt		
	Top	Bot	Type	Dia	Length
SP-1	4	4	A325	0.750	2.50

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF-103	W1464020	21'-3 5/16"
WF-102	W1464020	18'-4"



432-758-9900  
 430 US HWY 180 W  
 SEMINOLE, TX 79360

CUSTOMER INFO

PROJECT  
 PB50554  
 SHARP OILFIELD SERVICES  
 ODESSA TEXAS 79763

SHEET NAME/TITLE  
 WIND BENT ELEVATION

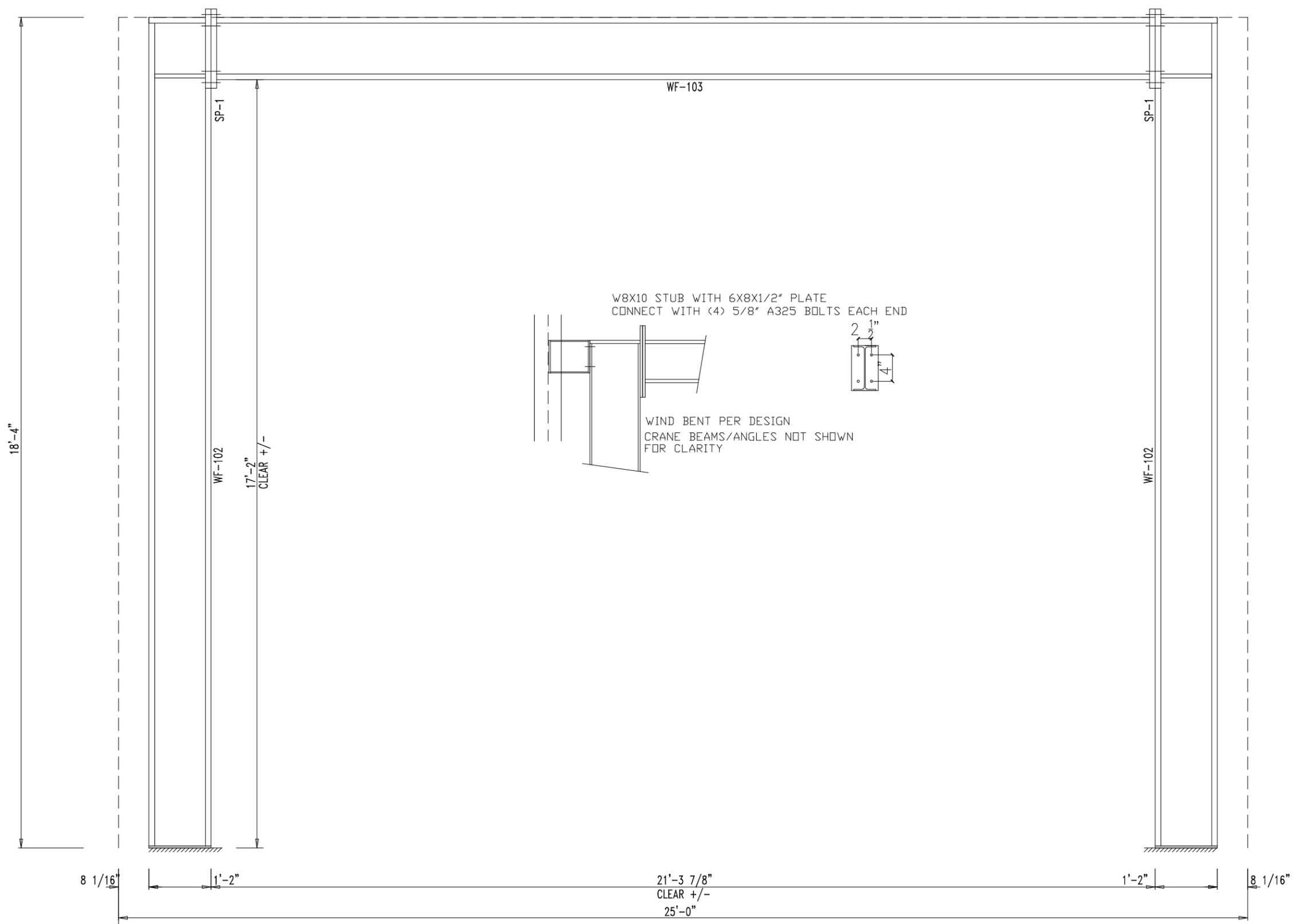
DRAWN BY BN DATE 4/18/23

CHECKED BY BN DATE 4/18/23

APPROVED BY DATE 4/18/23

SHEET NO. PN REV. -- SCALE NTS

REVISIONS			
NO.	NOTES	BY	DATE
--	--	--	00-00-00



WIND BENT ELEVATION: FRAME LINE E

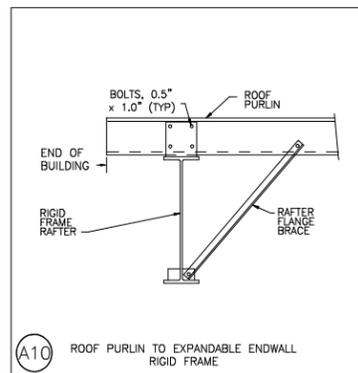
CUSTOMER INFO

PROJECT  
 PB50554  
 SHARP OILFIELD SERVICES  
 ODESSA TEXAS 79763

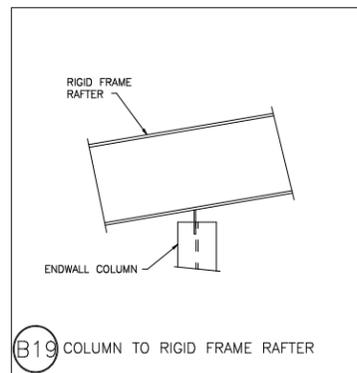
SHEET NAME/TITLE  
 DETAIL DRAWINGS

DRAWN BY BN	DATE 4/18/23
CHECKED BY BN	DATE 4/18/23
APPROVED BY	DATE 4/18/23
SHEET NO. E54 of 55-	REV. SCALE NTS

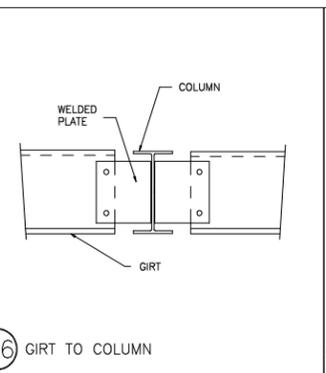
REVISIONS			
NO.	NOTES	BY	DATE
--	--	--	00-00-00



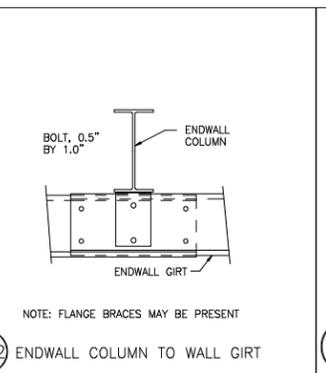
A10 ROOF PURLIN TO EXPANDABLE ENDWALL RIGID FRAME



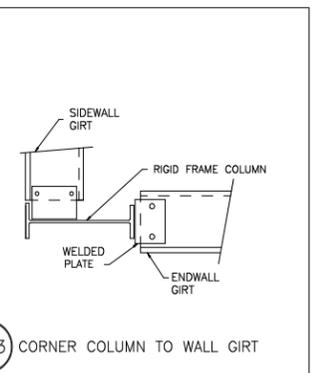
B19 COLUMN TO RIGID FRAME RAFTER



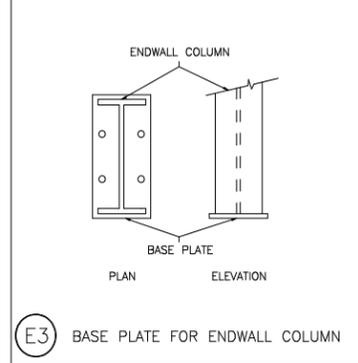
C6 GIRT TO COLUMN



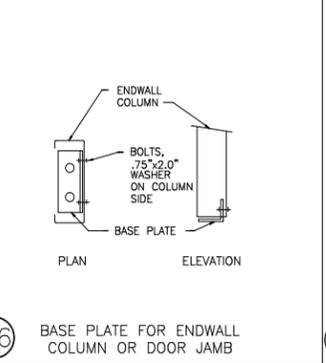
C12 ENDWALL COLUMN TO WALL GIRT



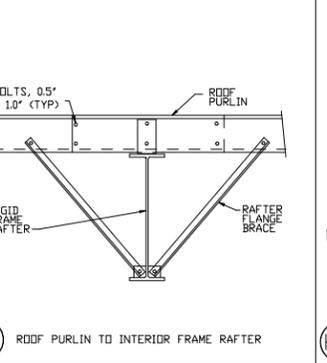
D13 CORNER COLUMN TO WALL GIRT



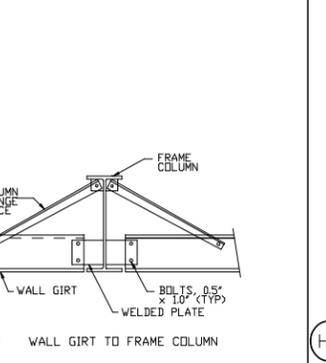
E3 BASE PLATE FOR ENDWALL COLUMN



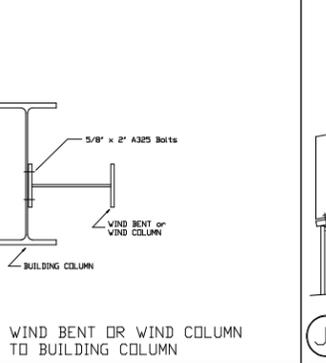
E6 BASE PLATE FOR ENDWALL COLUMN OR DOOR JAMB



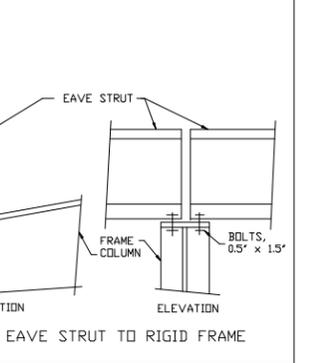
G2 ROOF PURLIN TO INTERIOR FRAME RAFTER



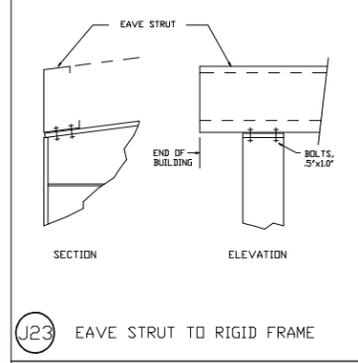
H6 WALL GIRT TO FRAME COLUMN



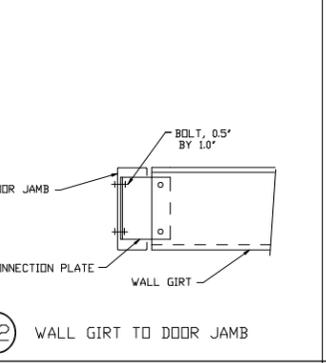
H9 WIND BENT OR WIND COLUMN TO BUILDING COLUMN



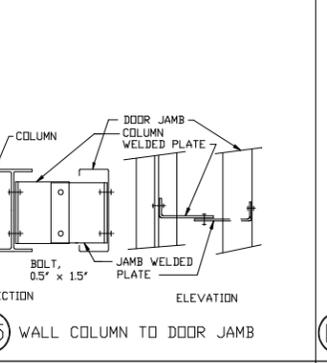
J1 EAVE STRUT TO RIGID FRAME



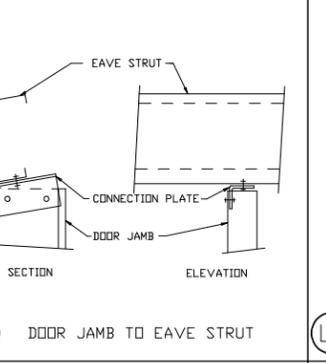
J23 EAVE STRUT TO RIGID FRAME



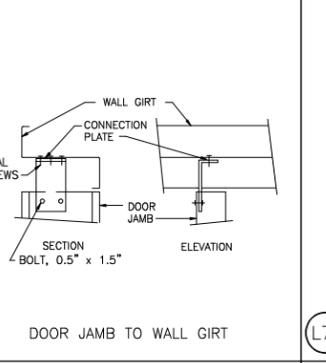
K2 WALL GIRT TO DOOR JAMB



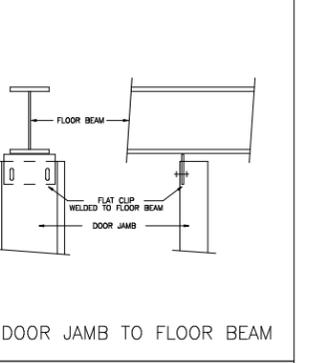
K5 WALL COLUMN TO DOOR JAMB



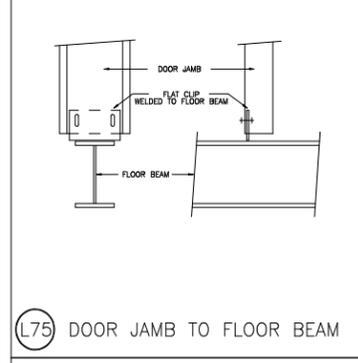
L1 DOOR JAMB TO EAVE STRUT



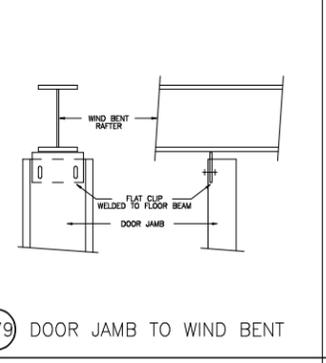
L6 DOOR JAMB TO WALL GIRT



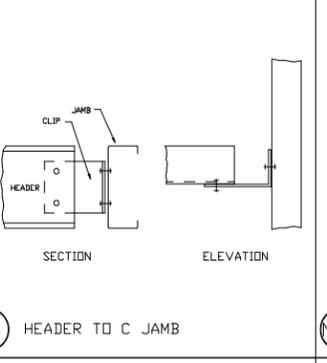
L71 DOOR JAMB TO FLOOR BEAM



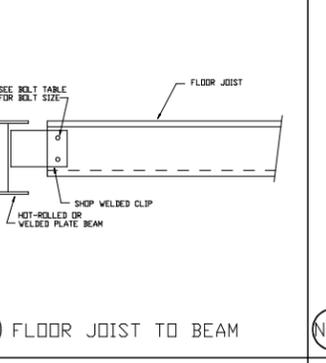
L75 DOOR JAMB TO FLOOR BEAM



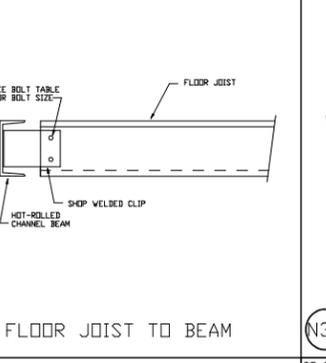
L79 DOOR JAMB TO WIND BENT



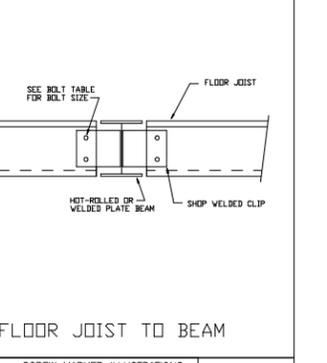
M1 HEADER TO C JAMB



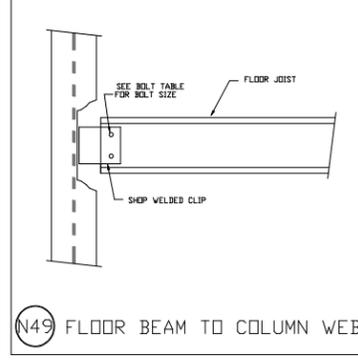
N32 FLOOR JOIST TO BEAM



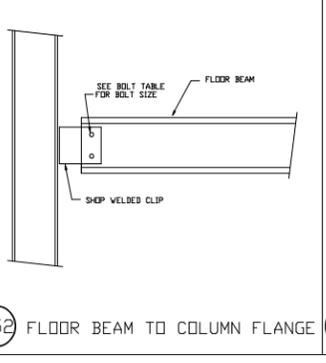
N33 FLOOR JOIST TO BEAM



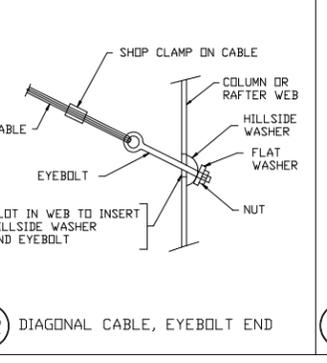
N35 FLOOR JOIST TO BEAM



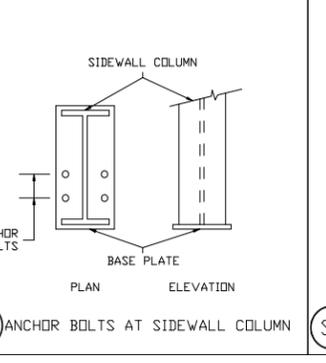
N49 FLOOR BEAM TO COLUMN WEB



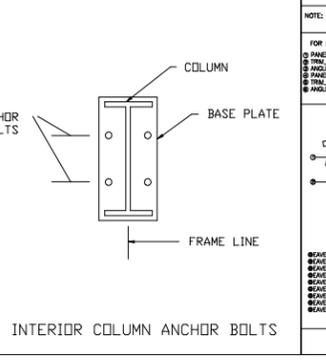
N52 FLOOR BEAM TO COLUMN FLANGE



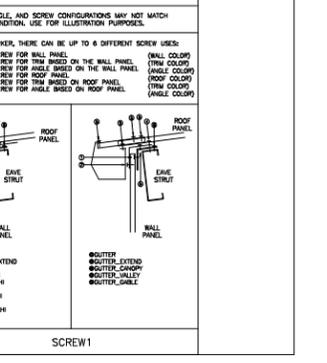
Q2 DIAGONAL CABLE, EYEBOLT END



R2 ANCHOR BOLTS AT SIDEWALL COLUMN



S1 INTERIOR COLUMN ANCHOR BOLTS



DT\_SCRW1 - SCREW MARKER ILLUSTRATIONS

