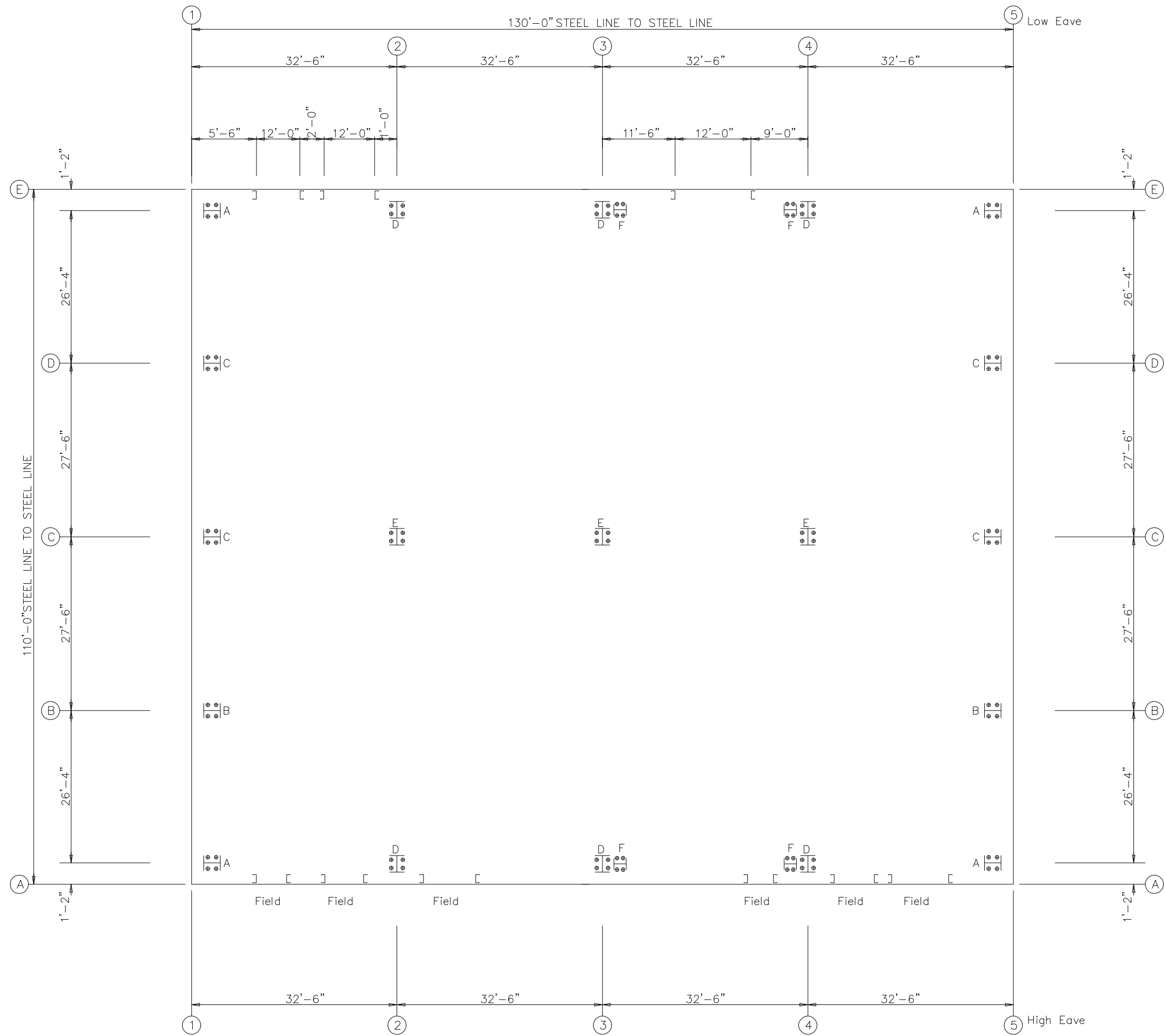
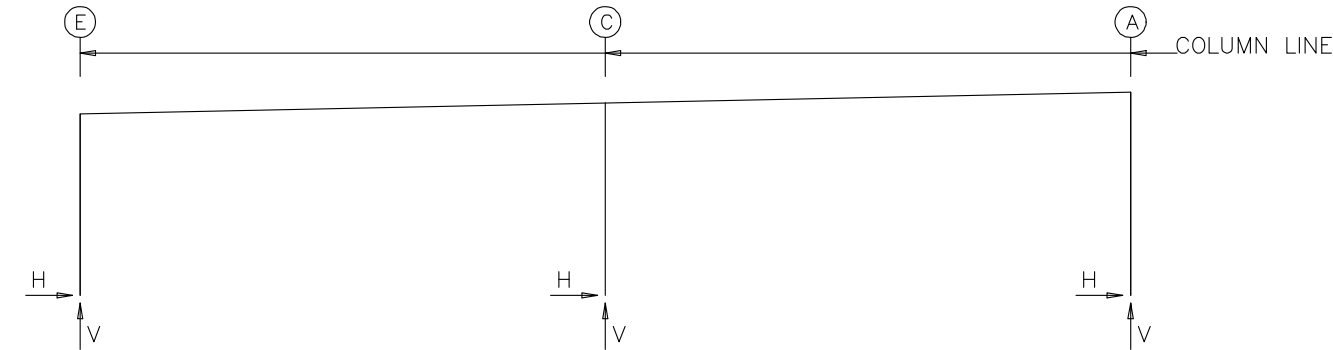




DRAWING IS NOT TO SCALE

FRAME LINES: 2 3 4



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc._Qty	Bolt Dia	Base_Plate (in)			AFF/BFF (in)
				Width	Length	Thick	
2*	E	4	0.750	8.000	11.50	0.500	0.0
2*	A	4	0.750	8.000	11.50	0.500	0.0
2*	C	4	0.750	8.000	7.938	0.625	0.0

2* Frame lines: 2 4

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc._Qty	Bolt Dia	Base_Plate (in)			AFF/BFF (in)
				Width	Length	Thick	
3	E	4	0.750	8.000	11.50	0.500	0.0
3	A	4	0.750	8.000	11.50	0.500	0.0
3	C	4	0.750	8.000	7.938	0.625	0.0

WIND BENT REACTIONS

	— Wall —		Col Line	± Reactions				Bolt(in)		Base_Plate(in)		Thick
	Loc	Line		Horz	Wind(k)	Vert	Seismic(k)	Horz	Vert	Qty	Dia	
	F_SW	A	3	5.4	6.8	3.0	3.9	4	0.750	8.000	9.750	0.500
	F_SW	A	4	5.4	6.8	3.0	3.9	4	0.750	8.000	9.750	0.500
	B_SW	E	4	5.1	5.9	3.0	3.5	4	0.750	8.000	9.750	0.500
	B_SW	E	3	5.1	5.9	3.0	3.5	4	0.750	8.000	9.750	0.500

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	-----Dead-----		-----Collateral-----		-----Live-----		-----Snow-----		-----Snow_Drift-----		-----Wind_Left1-----	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	E	0.5	2.9	0.7	3.5	3.0	14.1	2.9	14.0	-0.1	0.0	-8.4	-17.0
2*	A	-0.5	2.9	-0.7	3.5	-3.0	14.1	-2.9	14.1	0.1	0.0	-2.1	-15.3
2*	C	0.0	8.1	0.0	10.8	0.0	43.3	0.0	43.3	0.0	0.0	0.0	-47.3

Frame Line	Column Line	-Wind_Right1-		--Wind_Left2-		-Wind_Right2-		--Wind_Long1-		--Wind_Long2-		-Seismic_Left	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	E	6.2	-8.1	-9.5	-10.3	5.2	-1.4	1.2	-15.8	2.0	-10.2	-1.9	-0.7
2*	A	6.2	-10.6	-1.0	-8.7	7.2	-4.0	-0.7	-16.0	-2.2	-10.2	-1.0	0.3
2*	C	0.0	-31.6	0.0	-27.7	0.0	-12.0	0.0	-47.8	0.0	-30.0	0.0	0.4

Frame Line	Column Line	Seismic_Right		-----Rain-----		-MIN_SNOW-		F1PAT_SL_1-		F1PAT_SL_2-	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	E	1.9	0.7	2.8	13.4	3.0	14.1	0.5	8.0	1.0	-1.0
2*	A	1.0	-0.3	-2.8	13.4	-3.0	14.1	-0.5	-1.1	-1.0	8.2
2*	C	0.0	-0.4	0.0	41.2	0.0	43.3	0.0	11.0	0.0	10.6

Frame Line	Column Line	-----Dead-----		-----Collateral-----		-----Live-----		-----Snow-----		-----Wind_Left1-----		-Wind_Right1-	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
3	E	0.5	2.9	0.7	3.5	3.0	14.1	3.0	14.1	-8.6	-17.0	6.1	-8.2
3	A	-0.5	2.9	-0.7	3.5	-3.0	14.1	-3.0	14.1	-1.9	-15.3	6.3	-10.6
3	C	0.0	8.1	0.0	10.8	0.0	43.3	0.0	43.3	0.0	-47.3	0.0	-31.6

Frame Line	Column Line	--Wind_Left2-		-Wind_Right2-		--Wind_Long1-		--Wind_Long2-		-Seismic_Left		Seismic_Right	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
3	E	-9.6	-10.4	5.0	-1.5	1.2	-15.8	2.0	-10.2	-1.9	-0.7	1.9	0.7
3	A	-0.8	-8.7	7.3	-4.0	-0.7	-16.0	-2.2	-10.2	-1.0	0.3	1.0	-0.3
3	C	0.0	-27.6	0.0	-11.9	0.0	-47.8	0.0	-30.0	0.0	0.4	0.0	-0.4

Frame Line	Column Line	-----Rain-----		-MIN_SNOW-		F2PAT_SL_1-		F2PAT_SL_2-	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
3	E	2.8	13.4	3.0	14.1	0.5	8.0	1.0	-1.0
3	A	-2.8	13.4	-3.0	14.1	-0.5	-1.1	-1.0	8.2
3	C	0.0	41.2	0.0	43.3	0.0	11.0	0.0	10.6

2* Frame lines: 2 4

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)														
Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1		Wind_Right1		Wind_Left2		Wind_Right2		Wind Press
1	E	0.8	0.9	3.7	3.7	0.0	-5.4	0.0	-3.2	0.0	-3.7	0.0	-1.5	-2.7
1	D	2.1	2.6	10.4	10.4	0.0	-15.1	0.0	-8.8	0.0	-10.4	0.0	-4.0	-5.5
1	C	1.8	2.2	8.7	8.7	-3.0	-14.7	0.0	-4.0	-3.2	-10.9	0.0	-0.1	-5.7
1	B	2.2	2.6	10.4	10.4	0.0	-13.1	4.7	-12.0	0.0	-8.2	4.5	-7.1	-5.8
1	A	0.9	0.9	3.8	3.8	0.0	-5.4	0.0	-3.2	0.0	-3.7	0.0	-1.5	-3.1
Frm Line	Col Line	Wind Suct Horz	Wind_Long1		Wind_Long2		Seis_Left		Seis_Right		Seis Long Horz	Rain Vert	-MIN_SNOW--	
1	E	3.1	0.0	-5.5	0.0	-3.2	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.7
1	D	6.0	0.0	-15.1	0.0	-8.8	0.0	0.0	0.0	0.0	0.1	9.8	0.0	10.4
1	C	6.3	0.0	-12.1	0.0	-7.1	-1.7	-1.2	0.0	1.2	0.1	8.2	0.0	8.7
1	B	6.4	0.8	-15.7	0.3	-9.0	0.0	1.2	1.7	-1.2	0.1	9.8	0.0	10.4
1	A	3.5	0.0	-5.4	0.0	-3.1	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.8
Frm Line	Col Line	E1PAT_SL_1-		E1PAT_SL_2-		E1PAT_SL_3-		E1PAT_SL_4-		E1PAT_SL_5-				
1	E	0.0	2.1	0.0	0.0	0.0	1.8	0.0	-0.2	0.0	0.0			
1	D	0.0	2.9	0.0	0.1	0.0	5.4	0.0	2.1	0.0	-0.3			
1	C	0.0	-0.5	0.0	-0.5	0.0	2.2	0.0	5.3	0.0	2.2			
1	B	0.0	0.1	0.0	2.9	0.0	-0.3	0.0	2.2	0.0	5.4			
1	A	0.0	0.0	0.0	2.1	0.0	0.0	0.0	-0.2	0.0	1.8			
Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1		Wind_Right1		Wind_Left2		Wind_Right2		Wind Press
5	A	0.9	0.9	3.8	3.8	0.0	-3.2	0.0	-5.4	0.0	-1.5	0.0	-3.7	-3.1
5	B	2.2	2.6	10.4	10.4	-4.7	-12.0	0.0	-13.1	-4.5	-7.1	0.0	-8.2	-5.8
5	C	1.8	2.2	8.7	8.7	0.0	-4.0	3.0	-14.7	0.0	-0.1	3.2	-10.9	-5.7
5	D	2.1	2.6	10.4	10.4	0.0	-8.8	0.0	-15.1	0.0	-4.0	0.0	-10.4	-5.5
5	E	0.8	0.9	3.7	3.7	0.0	-3.2	0.0	-5.4	0.0	-1.5	0.0	-3.7	-2.7
Frm Line	Col Line	Wind Suct Horz	Wind_Long1		Wind_Long2		Seis_Left		Seis_Right		Seis Long Horz	Rain Vert	-MIN_SNOW--	
5	A	3.5	0.0	-5.4	0.0	-3.1	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.8
5	B	6.4	-0.8	-15.7	-0.3	-9.0	-1.7	-1.2	0.0	1.2	0.1	9.8	0.0	10.4
5	C	6.3	0.0	-12.1	0.0	-7.1	0.0	1.2	1.7	-1.2	0.1	8.2	0.0	8.7
5	D	6.0	0.0	-15.1	0.0	-8.8	0.0	0.0	0.0	0.0	0.1	9.8	0.0	10.4
5	E	3.1	0.0	-5.5	0.0	-3.2	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.7
Frm Line	Col Line	E2PAT_SL_1-		E2PAT_SL_2-		E2PAT_SL_3-		E2PAT_SL_4-		E2PAT_SL_5-				
5	A	0.0	2.1	0.0	0.0	0.0	1.8	0.0	-0.2	0.0	0.0			
5	B	0.0	2.9	0.0	0.1	0.0	5.4	0.0	2.2	0.0	-0.3			
5	C	0.0	-0.5	0.0	-0.5	0.0	2.2	0.0	5.3	0.0	2.2			
5	D	0.0	0.1	0.0	2.9	0.0	-0.3	0.0	2.1	0.0	5.4			
5	E	0.0	0.0	0.0	2.1	0.0	0.0	0.0	-0.2	0.0	1.8			

ANCHOR BOLT SUMMARY				
	Qty	Locate	Dia (in)	Type
⊕ 40	Endwall	3/4"		
⊕ 36	Frame	3/4"		
⊕ 16	WindCol	3/4"		

BUILDING BRACING REACTIONS									
		Reactions in plane of wall ± Reactions(k)							
		Wind				Seismic			
—Wall Loc	—Col Line	—Horz	—Vert	—Horz	—Vert	—Wind	—Seis	Panel Shear (lb/ft)	Note
L_EW	1	C,B	Bracing, see EW reactions						
F_SW	A	3,4							(a)
R_EW	5	B,C	Bracing, see EW reactions						
B_SW	E	3,4							(a)
(a)Wind bent in bay									

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES							
Frm Line	Col Line	Anc. Qty	Bolt Dia	Base Width	Plate Length (in)	Thick	AFF/BFF (in)
1	E	4	0.750	6.000	7.875	0.375	0.0
1	D	4	0.750	6.000	7.875	0.375	0.0
1	C	4	0.750	6.000	7.875	0.375	0.0
1	B	4	0.750	6.000	8.125	0.375	0.0
1	A	4	0.750	6.000	7.875	0.375	0.0
5	A	4	0.750	6.000	7.875	0.375	0.0
5	B	4	0.750	6.000	8.125	0.375	0.0
5	C	4	0.750	6.000	7.875	0.375	0.0
5	D	4	0.750	6.000	7.875	0.375	0.0
5	E	4	0.750	6.000	7.875	0.375	0.0

DESIGN INFORMATION

1. All loading conditions are examined and only the maximum / minimum H or V and the corresponding H or V are reported.

2. Positive reactions are 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:

DESIGN CRITERIA		SEISMIC CRITERIA		DEFLECTION LIMITS	
Width (ft)	= 110	Seismic Importance	= 1.00	ENDWALL COLUMN	
Length (ft)	= 130	Risk Category	= II - Normal	L / 240	
Eave Height (ft)	= 19			ENDWALL RAFTER (Live)	
Roof Slope (rise/12)	= 0.25:12			L / 240	
Building Code	= IBC 15	Mapped Spectral Response Accelerations		ENDWALL RAFTER (Wind)	
Local Code (State/Prov)	= OBC 17	Ss	= 0.2060	L / 240	
Dead Load (psf)	= 2.540	S1	= 0.0730	WALL GIRTS	
Collateral Load (psf)	= 5.00			L / 180	
Roof Live Load (psf)	= 20.00	---Spectral Response Coefficients---		PURLIN (LIVE)	
Frame Live Load (psf)	= 20.00	Sds	= 0.2197	L / 240	
		Sd1	= 0.1168	PURLIN (WIND)	
Snow:				L / 240	
Ground Snow Load (psf)	= 20.00	Site Class	= D	WALL PANEL	
Snow Importance	= 1.00	Seismic Design Category	= B	L / 90	
Thermal Coefficient	= 1.00			ROOF PANEL (Live)	
Snow Exposure Factor	= 1.0000	-----Base Shear-----		L / 120	
Slippery Roof	= N	Expanded Formula	= 0.667*le*Fa*Ss*W/R	ROOF PANEL (Wind)	
Roof Snow Load, Pf (psf)	= 20	Longitudinal Base Shear	(k) = 12.11	L / 120	
Min Roof Snow Load, Pmin (psf)	= 20.0000	Transverse Base Shear	(k) = 12.18	Main Frame (Horiz)	
Wind:				H / 60	
Ultimate Wind Speed (mph)	= 115 mph	---Seismic Response Coefficients---		Main Frame (Vert)	
Risk Category	= II - Normal	Frame	= 0.073	L / 240	
Importance - Wind	= 1.00	FSW	= 0.073	WIND BRACING	
Wind Exposure	= C	BSW	= 0.073	H / 60	
Enclosure Classification = C - Enclosed				Main Frame (Crane)	
				H / 100	
---Internal Pressure Coefficients---		---Response Modification Factors---		Main Frame (Seismic)	
Pressure	= 0.18	Frame	= 3	H / 50	
Suction	= -0.18	FSW	= 3	SEISMIC BRACING	
		BSW	= 3	H / 50	
-----Components & Cladding-----				PARTITION COLUMN	
Design Pressure:				L / 120	
Pressure (psf)	= 27.66			PARTITION GIRT	
Suction (psf)	= -36.81			L / 120	
				PARTITION PANEL	
				L / 120	

Equivalent Lateral Brace Force Procedure.

Steel systems not specifically detailed for seismic resistance.