NOTES FOR REACTIONS

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

Width	(ft)	=	80.0
Length	(ft)	=	100.0
Eave Height	(ft)	=	16.0/ 16.0
Roof Slope	(rise/12)	=	1.00/ 1.00
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
Snow Load	(psf)	=	3.4
Minimum Snow	(psf)	=	4.0
Wind Speed	(mph)	=	130.0
Wind Code		=	FBC 23 (IBC 24)
Exposure		=	C
Closure		=	Open
Risk Category		=	II - Normal
Importance - Wind		=	1.00
Importance - Seismic		=	1.00
Seismic Design Category		=	B
Seismic Coeff	(Sms)	=	0.18

5. Loading conditions are:
 1 Dead+Collateral+0.75Live+0.45Wind_Long2L
 2 Dead+Collateral+0.75Live+0.45Wind_Long2R
 3 0.6Dead+0.6Wind_Long1L
 4 0.6Dead+0.6Wind_Long1R

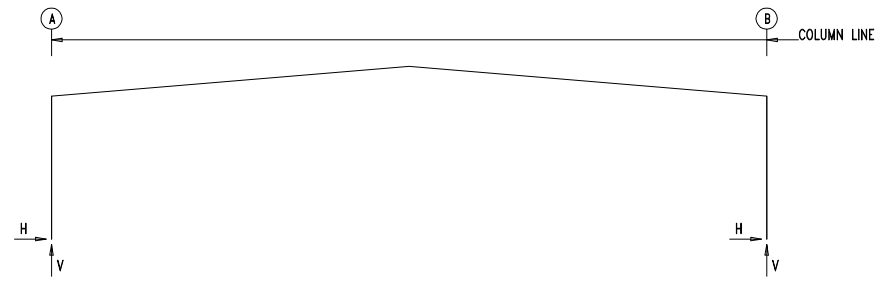
BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	1								(h)
F_SW	B						93	32	
R_EW	5								(h)
B_SW	A						93	32	

(h)Rigid frame at endwall

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

FRAME LINES: 1 2 3 4 5



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
1*	A	2	7.9	11.6	4	-6.6	-9.1	4	0.750	8.000	17.00	0.500	0.0
1*	B	4	6.6	-9.1	2	-7.9	11.6	4	0.750	8.000	17.00	0.500	0.0
		2	-7.9	11.6	3	6.6	-9.1						
1*	Frame lines:	1 5											

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
2*	A	2	13.7	19.8	4	-9.5	-13.1	4	0.750	8.000	18.50	0.500	0.0
2*	B	4	9.5	-13.1	2	-13.7	19.8	4	0.750	8.000	18.50	0.500	0.0
		1	-13.7	19.8	4	9.5	-13.1						
2*	Frame lines:	2 3 4											

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	-----Dead----- Horz	Vert	--Collateral- Horz	Vert	-----Live---- Horz	Vert	-----Snow---- Horz	Vert	--Wind_Left1- Horz	Vert	-Wind_Right1- Horz	Vert
1*	A	1.6	2.7	0.4	0.5	4.7	6.5	1.3	1.8	-6.2	-8.8	-6.2	-8.8
1*	B	-1.6	2.7	-0.4	0.5	-4.7	6.5	-1.3	1.8	6.2	-8.8	6.2	-8.8

Frame Line	Column Line	--Wind_Left2- Horz	Vert	-Wind_Right2- Horz	Vert	--Wind_Long1- Horz	Vert	--Wind_Long2- Horz	Vert	-Seismic_Left Horz	Vert	Seismic_Right Horz	Vert
1*	A	-5.3	-5.3	-4.7	-8.7	-12.7	-17.9	5.4	7.5	-0.2	-0.1	0.2	0.1
1*	B	4.7	-8.7	5.3	-5.3	12.7	-17.9	-5.4	7.5	-0.2	0.1	0.2	-0.1

Frame Line	Column Line	-MIN_SNOW-- Horz	Vert	F1UNB_SL_L- Horz	Vert	F1UNB_SL_R- Horz	Vert
1*	A	1.6	2.2	1.0	1.7	1.0	1.0
1*	B	-1.6	2.2	-1.0	1.0	-1.0	1.7

Frame Line	Column Line	-----Dead----- Horz	Vert	--Collateral- Horz	Vert	-----Live---- Horz	Vert	-----Snow---- Horz	Vert	--Wind_Left1- Horz	Vert	-Wind_Right1- Horz	Vert
2*	A	2.4	3.9	0.7	1.0	8.6	12.0	2.4	3.4	-11.4	-16.0	-11.4	-16.0
2*	B	-2.4	3.9	-0.7	1.0	-8.6	12.0	-2.4	3.4	11.4	-16.0	11.4	-16.0

Frame Line	Column Line	--Wind_Left2- Horz	Vert	-Wind_Right2- Horz	Vert	--Wind_Long1- Horz	Vert	--Wind_Long2- Horz	Vert	-Seismic_Left Horz	Vert	Seismic_Right Horz	Vert
2*	A	-9.7	-9.8	-8.6	-15.9	-18.3	-25.7	9.4	13.2	-0.3	-0.1	0.3	0.1
2*	B	8.6	-15.9	9.7	-9.8	18.3	-25.7	-9.4	13.2	-0.3	0.1	0.3	-0.1

Frame Line	Column Line	-MIN_SNOW-- Horz	Vert	F2UNB_SL_L- Horz	Vert	F2UNB_SL_R- Horz	Vert
2*	A	2.8	4.0	1.8	3.1	1.8	1.8
2*	B	-2.8	4.0	-1.8	1.8	-1.8	3.1

1* Frame lines: 1 5
2* Frame lines: 2 3 4

ANCHOR BOLT SUMMARY

	Qty	Locate	Dia (in)	Type	Proj (in)
⊕	40	Frame	3/4"	A307	3.00

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Fierce Steel Structures

PROJECT	PROJECT	ANCHOR BOLT REACTIONS		
ID	reedmcdaniel	DESIGN:	DRAFT:	CHECK:
PROJECT	PROJ ADR 1	DATE: 2/12/26	SHEET	OF
ADDRESS	PROJ ADR 2			