



RIGID FRAME: BASIC COLUMN REACTIONS (UNFACTORED) (k)

Frame Line	Column Line	---Dead---		---Collateral---		---Live---		---Wind_L1---		---Wind_R1---		---Wind_L2---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
5	I	0.96	3.65	1.45	5.15	7.46	27.85	-10.96	-18.02	-0.96	-15.83	-8.18	-2.97
5	B	-0.96	5.41	-1.45	7.18	-7.46	52.37	-6.39	-21.35	3.00	-23.16	-0.99	-0.90
5	E	0.00	10.24	0.00	15.03	0.00	81.43	0.00	-45.40	0.00	-45.78	0.00	-5.69

Frame Line	Column Line	---Wind_R2---		---Seismic_L---		---Seismic_R---		---LnWind_L---		---LnWind_R---		---F1UNB_LL 1---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
5	I	1.63	-0.76	-5.16	-1.88	5.16	1.88	-4.10	-32.04	-4.10	-32.04	1.71	15.96
5	B	9.00	-2.64	-4.48	1.63	4.48	-1.63	-4.51	-34.93	-4.51	-34.93	-1.61	-0.70
5	E	0.00	-6.17	0.00	0.24	0.00	-0.24	0.00	-45.06	0.00	-45.06	0.00	18.19

Frame Line	Column Line	---F1UNB_LL 2---	
		Horiz	Vert
5	I	2.37	-1.95
5	B	-2.26	19.06
5	E	0.00	22.59

ENDWALL COLUMN: REACTIONS (UNFACTORED), ANCHOR BOLTS & BASE PLATES

-----Column_Reactions (k)-----

Frm Line	Col Line	Dead Vert	Coll Vert	Live Vert	Wind-Left		Wind-Right		Out-Of-Plane		Anc. No	Bolt D(in)	Base Plate (in)			Grout (in)
					Horiz	Vert	Horiz	Vert	Wd P Horiz	Wd S Horiz			Wid	Len	Thk	
4	B	1.8	2.3	23.9	0.0	-3.6	0.0	-3.6	-2.9	3.1	4	0.875	8.000	8.000	0.375	0.0
4	C	2.2	2.2	11.9	0.0	-3.5	0.3	-8.1	-6.0	6.4	4	0.875	8.000	8.500	0.375	0.0
4	D	2.2	2.1	11.3	3.1	-11.5	0.0	-6.9	-6.4	6.8	4	0.875	8.000	8.500	0.375	0.0
4	E	1.8	1.2	7.4	0.0	-1.1	0.3	-6.2	-6.7	7.2	4	0.875	8.000	8.500	0.375	0.0
4	F	3.7	4.7	20.4	3.1	-15.8	0.0	-10.7	-3.5	3.8	4	0.875	8.000	8.000	0.375	0.0
4	I	2.5	2.5	13.0	0.0	-5.3	0.0	-5.3	-0.1	0.2	4	0.875	8.000	8.500	0.375	0.0
6	B	2.5	1.9	10.2	0.0	-7.1	0.0	-7.1	0.0	0.1	2	0.875	6.000	8.500	0.375	138
6	E	5.6	4.4	24.1	0.5	17.2	0.0	11.1	2.3	2.5	2	0.875	8.000	8.500	0.500	138
6	G	1.3	0.8	4.4	0.0	-2.5	4.7	-8.6	-5.2	5.6	2	0.875	6.000	8.500	0.375	138
6	I	1.6	1.1	5.9	0.0	4.1	0.0	4.1	2.9	3.1	2	0.875	6.000	8.500	0.375	138

RIGID FRAME: MAXIMUM REACTIONS (FACTORED), ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	Column Reactions (k)			Anc. No	Bolt D(in)	Base Plate (in)			Grout (in)	
				V Vmax	Load Id	Hmin H			V Vmin	Wid	Len		Thk
5	I	1	9.9	36.7	3	-10.4	-15.8	4	1.000	8.000	17.00	0.625	0.0
		9	5.8	40.7	7	-3.5	-29.8						
5	B	5	8.4	0.6	2	-12.8	35.9	4	1.000	8.000	16.50	0.625	0.0
		1	-9.9	65.0	6	-5.1	-31.7						
5	E	1	0.0	106.7	4	0.0	-39.6	4	1.000	8.000	16.00	1.000	0.0

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) = 100.6
 - Length (ft) = 40.6
 - Eave Height (ft) = 32.3/24.0
 - Roof Slope (rise/12) = 1.0
 - Dead Load (psf) = 4.0
 - Collateral Load (psf) = 9.0
 - Live Load (psf) = 49.0
 - Snow Load (psf) = 49.0
 - Wind Speed (mph) = 100.0
 - Wind Code = IBC 03
 - Exposure = C
 - Closed/Open = P
 - Importance - Wind = 1.10
 - Importance - Seismic = 1.00
 - Seismic Coeff (Fa*Ss) = 0.60

5. Loading conditions are:
- DL+CL+LL
 - DL+CL+0.75LL+0.75WL1
 - 0.60DL+WL1
 - 0.60DL+WR1
 - 0.60DL+WR2
 - 0.60DL+LnWndL
 - 0.60DL+LnWndR
 - 0.60DL+0.60CL
 - DL+CL+F1UNB_LL 1
 - 0.60DL+WR1+WS
 - 0.60DL+WP
 - 0.60DL+WL1+WS
 - DL+CL+0.75LL

BRACING REACTIONS (UNFACTORED), PANEL SHEAR

---Wall-- Loc Line	Col Line	± Reactions (k)				Panel Shear (lb/ft)
		---Wind---		---Seismic---		
		Horz	Vert	Horz	Vert	
L_EW 4	F	2.3	3.5	3.1	4.7	
	E	0.2	0.4	3.1	4.7	
	D	2.3	3.1	3.1	4.2	
	C	0.2	0.3	3.1	4.2	
F_SW B	5 ,6	10.8	14.3	6.2	8.2	
R_EW 6	E	0.4	0.5	4.5	5.2	
	G	3.6	4.1	4.5	5.2	
B_SW I	5 ,4	11.9	15.1	6.3	7.9	
		12.6	16.0	6.9	8.8	

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