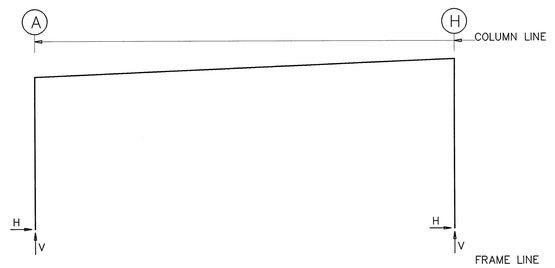


RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. No	Bolt D(in)	Base Wid	Plate (in) Len	Thk	Grout (in)
6	A	13	10.3	17.7	8	−9.4	−10.4	4	0.750	8.000	13.50	0.500	0.0
		4	6.9	22.4	6	−8.1	−11.6						
6	H	9	4.6	−3.0	12	−3.8	1.9	4	0.750	8.000	13.00	0.500	0.0
		1	−0.3	16.5	7	3.1	−4.3						
6	C	7	0.0	−28.6	7	0.0	−28.6	4	0.750	8.000	8.500	0.500	0.0
		1	0.0	35.1									
6	E	6	0.0	−8.2	6	0.0	−8.2	4	0.750	8.000	8.500	0.500	0.0
		1	0.0	30.0									
6	F	6	0.0	−9.5	6	0.0	−9.5	4	0.750	8.000	8.500	0.500	0.0
		1	0.0	35.5									

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

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. No	Bolt D(in)	Base Wid	Plate (in) Len	Thk	Grout (in)
8 *	A	15	8.4	21.4	8	−6.0	1.0	4	0.750	8.000	13.00	0.500	0.0
		1	4.6	51.6	6	−5.7	−2.6						
8 *	H	9	6.4	−21.9	14	−7.2	21.0	4	0.750	8.000	11.00	0.500	0.0
		16	−4.3	60.7	7	6.1	−25.5						

8 * Frame lines: 8 10

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

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. No	Bolt D(in)	Base Wid	Plate (in) Len	Thk	Grout (in)
12	A	13	7.9	16.0	8	−6.6	−7.8	4	0.750	8.000	11.50	0.500	0.0
		4	5.4	22.2	11	2.0	−9.7						
12	H	9	2.5	−1.3	12	−2.2	1.4	4	0.750	8.000	11.50	0.500	0.0
		5	−1.4	19.5	11	−1.7	−9.8						
12	B	7	0.0	−13.1	7	0.0	−13.1	4	0.750	8.000	8.500	0.500	0.0
		3	0.0	22.4									
12	D	6	0.0	−7.0	6	0.0	−7.0	4	0.750	8.000	8.500	0.500	0.0
		17	0.0	10.6									
12	G	6	0.0	−2.3	6	0.0	−2.3	4	0.750	8.000	8.500	0.500	0.0
		1	0.0	22.2									

ENDWALL COLUMN: REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Dead Vert	Coll Vert	Live Vert	Wind−Left Horiz	Wind−Left Vert	Wind−Right Horiz	Wind−Right Vert	Out−Of−Plane Wd P Horiz	Out−Of−Plane Wd S Horiz
6	C	See Rigid Frame reactions table							−2.7	3.1
6	E	See Rigid Frame reactions table							−2.8	3.2
6	F	See Rigid Frame reactions table							−2.9	3.3
12	G	1.4	0.8	5.0	0.0	−5.0	0.0	−5.0	−3.6	4.0
12	D	1.2	0.7	4.6	0.0	−4.6	0.0	−4.6	−3.0	3.3
12	B	0.7	0.3	2.2	0.0	−2.2	0.0	−2.2	−2.0	2.3

SOLDIER COLUMN: REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Dead Vert	Coll Vert	Live Vert	Wind_P Horiz	Wind_S Horiz	LnWind Horiz
7	H	(USE REACTION ON LEFT E.W. COLUMN OF BLDG. − 'C')					
11	H						

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. No	Bolt D(in)	Base Wid	Plate (in) Len	Thk	Grout (in)
6	C	18	3.0	−5.4	19	−2.7	−3.9	4	0.750	8.000	8.500	0.500	0.0
		2	−0.2	9.2	18	3.0	−5.4						
6	E	18	3.2	−4.7	19	−2.8	−3.2	4	0.750	8.000	8.500	0.500	0.0
		2	−0.2	8.0	18	3.2	−4.7						
6	F	18	3.3	−5.2	19	−2.9	−3.9	4	0.750	8.000	8.500	0.500	0.0
		2	−0.2	9.0	18	3.3	−5.2						
12	G	18	4.0	−5.0	19	−3.6	−4.3	4	0.750	8.000	8.500	0.500	0.0
		2	0.0	8.2	18	4.0	−5.0						
12	D	18	3.3	−4.5	19	−3.0	−3.8	4	0.750	8.000	8.500	0.500	0.0
		2	0.0	7.4	18	3.3	−4.5						
12	B	18	2.3	−2.2	19	−2.0	−1.8	4	0.750	8.000	8.500	0.500	0.0
		2	0.0	3.9	18	2.3	−2.2						

SOLDIER COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. No	Bolt D(in)	Base Wid	Plate (in) Len	Thk	Grout (in)
7	H	(USE REACTION ON LEFT E.W. COLUMN OF BLDG. − 'C')											
11	H												

BRACING REACTIONS, PANEL SHEAR

Wall Loc	Wall Line	Col Line	± Reactions (k) −Wind− Horz	−Wind− Vert	−Seismic− Horz	−Seismic− Vert	Panel Shear (lb/ft)
L_EW	6	Rigid Frame At Endwall					
F_SW	H	Wind Bent In Wall					
R_EW	12	Rigid Frame At Endwall					
B_SW	A	10,8	10.5	12.8	23.5	28.2	

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert
6	A	0.07	4.44	0.01	0.28	0.18	9.28	−0.04	1.67	−8.11	−14.28	10.22	13.00
6	H	−0.07	4.73	−0.01	0.29	−0.18	11.45	0.04	5.84	−3.71	−3.17	3.15	−7.13
6	C	0.00	9.25	0.00	1.08	0.00	24.80	0.00	4.70	0.00	0.51	0.00	−34.17
6	E	0.00	8.64	0.00	1.60	0.00	19.72	0.00	4.13	0.00	−13.38	0.00	−9.08
6	F	0.00	9.93	0.00	1.07	0.00	24.48	0.00	4.00	0.00	−15.43	0.00	−5.37

Frame Line	Column Line	Wind_L2 Horiz	Wind_L2 Vert	Wind_R2 Horiz	Wind_R2 Vert	LnWind_1 Horiz	LnWind_1 Vert	LnWind_2 Horiz	LnWind_2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert
6	A	−9.47	−13.04	8.86	14.23	2.74	−2.58	2.74	−2.58	−6.91	−10.37	6.91	10.37
6	H	−2.21	−1.87	4.65	−5.84	−2.66	−3.35	−2.66	−3.35	−1.87	1.38	1.87	−1.38
6	C	0.00	1.20	0.00	−33.48	0.00	−3.93	0.00	−3.93	0.00	11.50	0.00	−11.50
6	E	0.00	−11.88	0.00	−7.57	0.00	−4.58	0.00	−4.58	0.00	−1.12	0.00	1.12
6	F	0.00	−15.10	0.00	−4.84	0.00	−2.54	0.00	−2.54	0.00	−1.39	0.00	1.39

Frame Line	Column Line	LnSeis Horiz	LnSeis Vert	F1PAT_SL 1 Horiz	F1PAT_SL 1 Vert	F1PAT_SL 2 Horiz	F1PAT_SL 2 Vert	F1PAT_SL 3 Horiz	F1PAT_SL 3 Vert	F1PAT_SL 4 Horiz	F1PAT_SL 4 Vert	F1PAT_SL 5 Horiz	F1PAT_SL 5 Vert
6	A	0.00	0.00	0.00	1.02	0.03	0.05	0.00	0.82	−0.02	−0.16	0.02	0.09
6	H	0.00	0.00	−0.01	0.01	−0.04	1.06	−0.01	0.03	0.01	−0.11	−0.03	0.93
6	C	0.00	0.00	0.00	1.16	0.00	−0.01	0.00	2.53	0.00	1.14	0.00	−0.24
6	E	0.00	0.00	0.00	−0.08	0.00	−0.17	0.00	0.92	0.00	2.28	0.00	1.10
6	F	0.00	0.00	0.00	−0.01	0.00	1.18	0.00	−0.09	0.00	1.06	0.00	2.32

Frame Line	Column Line	F1PAT_SL 6 Horiz	F1PAT_SL 6 Vert	F1PAT_SL 7 Horiz	F1PAT_SL 7 Vert
6	A	−0.01	1.27	0.04	−0.17
6	H	0.00	−0.13	−0.04	1.29
6	C	0.00	1.12	0.00	1.63
6	E	0.00	1.43	0.00	1.00
6	F	0.00	1.37	0.00	1.31

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert
8 *	A	0.77	13.65	1.24	3.43	2.59	34.55	3.63	11.84	−6.21	−10.77	3.00	−5.52
8 *	H	−0.77	12.46	−1.24	4.17	−2.59	35.15	−3.63	16.16	−1.94	−29.27	6.54	−33.01

Frame Line	Column Line	Wind_L2 Horiz	Wind_L2 Vert	Wind_R2 Horiz	Wind_R2 Vert	LnWind_1 Horiz	LnWind_1 Vert	LnWind_2 Horiz	LnWind_2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert
8 *	A	−6.48	−7.16	2.73	−1.91	−0.17	−8.64	−0.17	−8.64	−8.87	−4.52	8.87	4.52
8 *	H	−1.67	−25.66	6.81	−29.40	0.37	−19.27	0.37	−19.27	−7.15	4.52	7.15	−4.52

Frame Line	Column Line	LnSeis Horiz	LnSeis Vert
8 *	A	0.00	0.00
8 *	H	0.00	−32.90

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert
12	A	0.08	5.03	0.00	0.32	0.20	10.89	−0.08	1.84	−5.73	−11.67	7.79	10.65
12	H	−0.08	4.73	0.00	0.08	−0.20	11.31	0.08	5.04	−2.11	−3.37	1.67	−4.99
12	B	0.00	5.32	0.00	−0.15	0.00	13.14	0.00	1.87	0.00	9.51	0.00	−16.31
12	D	0.00	1.52	0.00	2.64	0.00	4.29	0.00	6.24	0.00	−7.86	0.00	−4.29
12	G	0.00	5.99	0.00	1.14	0.00	15.11	0.00	5.34	0.00	−5.90	0.00	−4.36

Frame Line	Column Line	Wind_L2 Horiz	Wind_L2 Vert	Wind_R2 Horiz	Wind_R2 Vert	LnWind_1 Horiz	LnWind_1 Vert	LnWind_2 Horiz	LnWind_2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert
12	A	−6.64	−10.78	6.87	11.54	1.95	−12.70	1.95	−12.70	−7.31	−11.65	7.31	11.65
12	H	−1.20	−2.50	2.59	−4.12	−1.64	−12.62	−1.64	−12.62	−1.47	0.57	1.47	−0.57
12	B	0.00	9.76	0.00	−16.06	0.00	−1.90	0.00	−1.90	0.00	13.53	0.00	−13.53
12	D	0.00	−5.91	0.00	−2.32	0.00	−6.33	0.00	−6.33	0.00	−1.95	0.00	1.95
12	G	0.00	−4.83	0.00	−3.30	0.00	−4.50	0.00	−4.50	0.00	−0.49	0.00	0.49

Frame Line	Column Line	LnSeis Horiz	LnSeis Vert	F3PAT_SL 1 Horiz	F3PAT_SL 1 Vert	F3PAT_SL 2 Horiz	F3PAT_SL 2 Vert	F3PAT_SL 3 Horiz	F3PAT_SL 3 Vert	F3PAT_SL 4 Horiz	F3PAT_SL 4 Vert	F3PAT_SL 5 Horiz	F3PAT_SL 5 Vert
12	A	0.00	−3.95	0.00	0.97	0.02	0.04	0.00	0.93	−0.03	−0.02	−0.01	0.06
12	H	0.00	−4.62	0.00	0.01	−0.03	0.93	−0.01	0.02	0.02	−0.40	0.00	0.53
12	B	0.00	0.00	0.00	1.10	0.00	0.01	0.00	1.80	0.00	−0.23	0.00	−0.92
12	D	0.00	0.00	0.00	−0.07	0.00	−0.10	0.00	0.51	0.00	3.27	0.00	2.58
12	G	0.00	0.00	0.00	−0.02	0.00	0.95	0.00	−0.03	0.00	1.97	0.00	2.94

Frame Line	Column Line	F3PAT_SL 6 Horiz	F3PAT_SL 6 Vert	F3PAT_SL 7 Horiz	F3PAT_SL 7 Vert
12	A	−0.03	1.20	0.02	0.00
12	H	0.02	−0.47	−0.03	1.12
12	B	0.00	0.20	0.00	0.85
12	D	0.00	3.13	0.00	0.58
12	G	0.00	2.36	0.00	1.12

8 * Frame lines: 8 10

NOTES FOR REACTIONS

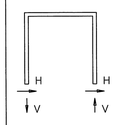
1. All loading conditions are examined and only maximum/minimum H or V and the cooresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced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

Width (ft)	: 60	
Length (ft)	: 60	
Eave Height (ft)	: 26 / 28.5	
Roof Slope (rise/12)	: 0.5:12 /	
Design Code	: IBC 06	
Enclosure	: Closed	
Dead Load (psf)	: 2	
Collateral Load (psf)	: 3	
Wind Speed (mph)	: 90 mph	
Wind Importance Factor	: 1.00	
Wind Exposure	: C	
Live Load (psf)	: 20	
Frame Live Load (psf)	: 12	
Ground Snow Load (psf)	: 21.000	
Roof Snow Load (psf)	: 20	
Snow Exposure	: 1.000	
Snow Importance Factor	: 1.000	
Thermal Factor	: 1.000	
Seismic Importance Factor	: 1.00	
Spectral Response Accel.	: Ss=0.511	: S1=0.156
Spectral Response Coeff.	: Sds=0.474	: Sd1=0.226
Seismic Coeff. (Fa*Ss)	: 0.710	: Fa=1.391
Seismic Design Category	: D	

5. Loading conditions are:

1 DL+CL+LL
2 DL+CL+SL
3 DL+CL+0.75LL+0.75WL2
4 DL+CL+0.75LL+0.75WR2
5 DL+CL+0.75LL−0.75LnWnd2
6 0.60DL+WL1
7 0.60DL+WR1
8 0.60DL+WL2
9 0.60DL+WR2
10 0.60DL+LnWnd1
11 0.60DL+LnWnd2
12 DL+CL+WL1
13 DL+CL+WR1
14 1.07DL+1.07CL+0.70SeisL
15 1.07DL+1.07CL−0.70SeisL
16 1.05DL+1.05CL+0.75LL−0.52LnSeis
17 DL+CL+SL/2+F3PAT_SL 4
18 0.60DL+WR1+WS
19 0.60DL+WP+LnWnd1
20 DL+CL+SL+WP
21 0.60DL+WS

WIND BENT REACTIONS

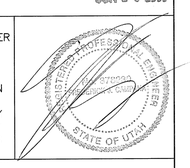


Wall Loc	Wall Line	Col Line	± Reactions Wind(k) Horz	Wind(k) Vert	Seismic(k) Horz	Seismic(k) Vert
F_SW	H	8	4.78	12.79	12.41	32.90
F_SW	H	10	4.78	12.79	12.41	32.90

FOR PERMIT

JUN 1 0 2008

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT RIGID BUILDINGS ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY RIGID IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN RIGID ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.



ISSUE	REV. DESCRIPTION	DATE	DRN. / DES.
A	CONFIRMATION	05.20.08	FFF / LDD
0	CONSTRUCTION	06.04.08	LK / MT

RIGID BUILDING SYSTEMS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443−9065
Fax : (281) 443−9064

DESCRIPTION	**FRAME REACTION**
CUSTOMER	ELEGANTE ENTERPRISES, INC.
END USER	PAINTERS SERVICE CENTER
END USE	OFFICE/SERVICE BAYS
LOCATION	1600 HILTON DR. ST. GEORGE, UT 84770

DRN. BY:	DATE:	CHK. BY:	DATE:
LK	06/04/08	MT	06/04/08
JOB NO.: 28268−A	SCALE: N.T.S.	DWG. NO.: F3 OF 3	ISSUE: 0