



# VP Buildings

3200 Players Club Circle  
Memphis, TN 38125-8843

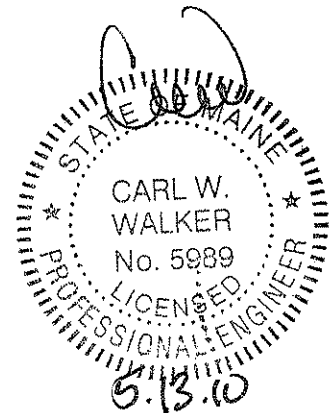
## STRUCTURAL DESIGN DATA

Project: Schnitzer Northeast  
Name: Schnitzer Northeast BO  
Builder PO #:  
Jobsite: 636 Riverside Street

City, State: Portland, Maine 04101  
County: Cumberland  
Country: United States

## TABLE OF CONTENTS

Building Loading - Expanded Report .....	2
Reactions - Expanded Report.....	15



Prepared by: Debra K. Richards



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 2 of 46

## Building Loading - Expanded Report

### Shape: Schnitzer Northeast

#### Loads and Codes - Shape: Schnitzer Northeast

City: Portland County: Cumberland  
 Building Code: 2003 International Building Code  
 Building Use: Standard Occupancy Structure

State: Maine  
 Built Up: 89AISC  
 Cold Form: 04AISI

Country: United States  
 Rainfall: 4.00 inches per hour  
 3000.0 psi Concrete

#### Load Notes

The building is designed to meet the following FM recommendations:  
 Data Sheet 1-28 - Components and Cladding are designed with Wind Importance factor of 1.15  
 Data Sheet 1-31 - The roof construction meets a Wind Uplift Class 1-60 Roof Assembly

#### Dead and Collateral Loads

Collateral Gravity: 3.00 psf Frame Weight (assumed for seismic): 2.50 psf  
 Collateral Uplift: 0.00 psf

Side	Type	Mag	Units	Shape	Applied to	Description
1:1	D	4.199	psf	Entire	Frm	Covering Weight - 24 Panel Rib + Liner Weight - No Weight Panel Rib + Secondary Weight 3.04 : Wall: 1, Canopy: 1
1:1	D	1.160	psf	Entire	Pur	Covering Weight - 24 Panel Rib + Liner Weight - No Weight Panel Rib : Wall: 1, Canopy: 1
A	D	2.803	psf	Entire	Frm	Covering Weight - 24 SSR + Secondary Weight 1.60 : Roof: A
A	D	1.200	psf	Entire	Pur	Covering Weight - 24 SSR : Roof: A
B	D	2.803	psf	Entire	Frm	Covering Weight - 24 SSR + Secondary Weight 1.60 : Roof: B
B	D	1.200	psf	Entire	Pur	Covering Weight - 24 SSR : Roof: B

#### Live Load

Live Load: 20.00 psf Reducible

#### Wind Load

Wind Speed: 95.00 mph  
 Wind Enclosure: Enclosed  
 Height Used: 25/0/0 (Type: Eave)  
 Base Elevation: 0/0/0  
 Primary Zone Strip Width: 12/0/0  
 Velocity Pressure: (qz) 23.10 psf  
 Topographic Factor: 1.0000  
 Directionality Factor: 0.8500  
 Wind Exposure (Factor): C (0.945)  
 Basic Wind Pressure: 18.56 psf

Gust Factor: 1.0000  
 Wind Importance Factor: 1.000  
 Least Horiz. Dimension: 60/0/0  
 NOT Windborne Debris Region  
 Parts / Portions Zone Strip Width: 6/0/0  
 $qz = 0.00256 * (1.00) * (95.00)^2 * (1.00)$   
 The 'Low Rise' Method is Used

#### Snow Load

Ground Snow Load: 60.00 psf  
 Flat Roof Snow: 37.80 psf  
 Design Snow (Sloped): 37.80 psf  
 Snow Accumulation Factor: 1.000  
 Snow Importance: 1.000  
 Ground / Roof Conversion: 0.70  
**Snow Load @ Wall: 1 - Canopy: 1**  
 Ground Snow Load: 60.00 psf  
 Flat Roof Snow: 50.40 psf  
 Design Snow (Sloped): 39.80 psf  
 Snow Accumulation Factor: 1.000  
 Snow Importance: 1.000  
 Ground / Roof Conversion: 0.70

Snow Exposure Category (Factor): 1 Fully Exposed (0.90)  
 Thermal Category (Factor): Heated (1.00)  
 Unobstructed, Slippery Roof  
 Rain Surcharge: 0.00  
 Slope Reduction: 1.00  
 Slope Used: 4.764 ( 1.000:12 )  
 Snow Exposure Category (Factor): 1 Fully Exposed (1.00)  
 Thermal Category (Factor): Unheated (1.20)  
 Unobstructed, Slippery Roof  
 Rain Surcharge: 0.00  
 Slope Reduction: 0.79  
 Slope Used: 26.565 ( 6.000:12 )



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 3 of 46

**Snow Drift on Wall: 1 - Canopy: 1 Snow Drift Number: 1**

Snow Density: 21.80 lb/ft<sup>3</sup>  
Snow Uniform: 1/9/15

Start 0/0/0  
Wall Start Height: 12/0/0  
Snow Drift Height: 5/9/5  
Snow Drift Width: 23/1/2  
Upper Roof Width: 200/0/0  
Sliding Snow: 0.00 psf  
Drifting Snow: 125.87 psf  
Applied Drift Load: 125.87 psf  
Truncated Snow: 101.49 psf  
Truncated Width: 4/5/11  
Proximity: 0/0/0

**Snow Drift on Wall: 1 - Canopy: 1 Snow Drift Number: 2**

Snow Density: 21.80 lb/ft<sup>3</sup>  
Snow Uniform: 1/9/15

Start 30/0/0  
Wall Start Height: 14/6/0  
Snow Drift Height: 5/9/5  
Snow Drift Width: 23/1/2  
Upper Roof Width: 200/0/0  
Sliding Snow: 0.00 psf  
Drifting Snow: 125.87 psf  
Applied Drift Load: 125.87 psf  
Truncated Snow: 101.49 psf  
Truncated Width: 4/5/11  
Proximity: 0/0/0

**Snow Drift (from Wall 1, Shape Schnitzer Northeast)**

Average Height: 13/3/0  
Upper Roof Slope: 0.000 ( 0.000:12 )

End 30/0/0  
Wall End Height: 14/6/0  
Snow Drift Height: 5/9/5  
Snow Drift Width: 23/1/2  
Upper Roof Width: 200/0/0  
Sliding Snow: 0.00 psf  
Drifting Snow: 125.87 psf  
Applied Drift Load: 125.87 psf  
Truncated Snow: 101.49 psf  
Truncated Width: 4/5/11  
Proximity: 0/0/0

**Snow Drift (from Wall 1, Shape Schnitzer Northeast)**

Average Height: 13/3/0  
Upper Roof Slope: 0.000 ( 0.000:12 )

End 60/0/0  
Wall End Height: 12/0/0  
Snow Drift Height: 5/9/5  
Snow Drift Width: 23/1/2  
Upper Roof Width: 200/0/0  
Sliding Snow: 0.00 psf  
Drifting Snow: 125.87 psf  
Applied Drift Load: 125.87 psf  
Truncated Snow: 101.49 psf  
Truncated Width: 4/5/11  
Proximity: 0/0/0

**Seismic Load**

Mapped Spectral Response - Ss:40.00 %g  
Mapped Spectral Response - S1:10.00 %g  
Seismic Hazard / Use Group: Group 1  
Seismic Performance / Design Category: C  
System NOT detailed for Seismic  
Seismic Importance: 1.000  
Frame Seismic Factor (Cs): 0.1316 x W  
Brace Seismic Factor (Cs): 0.1316 x W  
Framing R-Factor: 3.0000  
Bracing R-Factor: 3.0000

% Snow Used in Seismic: 20.00  
Seismic Snow Load: 7.56 psf  
Frame Redundancy Factor:1.0000  
Brace Redundancy Factor:1.0000  
Soil Profile Type: Stiff soil (D, 4)  
Framing Seismic Period: 0.3677  
Bracing Seismic Period: 0.2236  
Seismic Period Height Used: 25/0/0  
Design Spectral Response - Sds: 0.3947  
Design Spectral Response - Sd1: 0.1600

Side	Type	Mag	Units	Shape	Applied to	Description
1	E	0.256	psf	Entire	Frm Brc	Seismic: Covering Weight - 26 Panel Rib + Secondary Weight 1.04 : Wall: 1
1:1	E	2.323	psf	Entire	Frm	Seismic: Covering Weight - 24 Panel Rib + Liner Weight - No Weight Panel Rib + Secondary Weight 3.04 + 7.960 Snow + (Includes 3.000 Collateral 2.500 Frame Weight) : Wall: 1, Canopy: 1
1:1	E	2.323	psf	Entire	Brc	Seismic: Covering Weight - 24 Panel Rib + Liner Weight - No Weight Panel Rib + Secondary Weight 3.04 + 7.960 Snow + (Includes 3.000 Collateral 2.500 Frame Weight) : Wall: 1, Canopy: 1
2	E	0.120	psf	Entire	Frm Brc	Seismic: Covering Weight - 26 Panel Rib : Wall: 2
2	E	7.236	psf	Rect	Frm Brc	Seismic: Covering Weight - 55.00 NBVP - Masonry : Wall: 2
2	E	0.145	psf	Spec	Frm Brc	Seismic: Secondary Weight 1.10 : Wall: 2
3	E	0.120	psf	Entire	Frm Brc	Seismic: Covering Weight - 26 Panel Rib : Wall: 3
3	E	7.236	psf	Rect	Frm Brc	Seismic: Covering Weight - 55.00 NBVP - Masonry : Wall: 3
3	E	0.101	psf	Spec	Frm Brc	Seismic: Secondary Weight 0.77 : Wall: 3
4	E	0.120	psf	Entire	Frm Brc	Seismic: Covering Weight - 26 Panel Rib : Wall: 4
4	E	7.236	psf	Rect	Frm Brc	Seismic: Covering Weight - 55.00 NBVP - Masonry : Wall: 4
4	E	0.142	psf	Spec	Frm Brc	Seismic: Secondary Weight 1.08 : Wall: 4
A	E	1.363	psf	Entire	Frm	Seismic: Covering Weight - 24 SSR + Secondary Weight 1.60 + 7.560 Snow : Roof: A
A	E	0.724	psf	Entire	Frm	(Includes 3.000 Collateral 2.500 Frame Weight) : Roof: A
A	E	1.363	psf	Entire	Brc	Seismic: Covering Weight - 24 SSR + Secondary Weight 1.60 + 7.560 Snow : Roof: A
A	E	0.724	psf	Entire	Brc	(Includes 3.000 Collateral 2.500 Frame Weight) : Roof: A



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 4 of 46

A	E	0.199	psf	Rect	Frm Brc	Seismic Effect From Snow - unheated bay : Roof: A
B	E	1.363	psf	Entire	Frm	Seismic: Covering Weight - 24 SSR + Secondary Weight 1.60 + 7.560 Snow : Roof: B
B	E	0.724	psf	Entire	Frm	(Includes 3.000 Collateral 2.500 Frame Weight) : Roof: B
B	E	1.363	psf	Entire	Brc	Seismic: Covering Weight - 24 SSR + Secondary Weight 1.60 + 7.560 Snow : Roof: B
B	E	0.724	psf	Entire	Brc	(Includes 3.000 Collateral 2.500 Frame Weight) : Roof: B
B	E	0.199	psf	Rect	Frm Brc	Seismic Effect From Snow - unheated bay : Roof: B

### Deflection Conditions

Frames are vertically supporting: Metal Roof Purlins and Panels

Frames are laterally supporting: Metal Wall Girts and Panels

Purlins are supporting: Metal Roof Panels

Girts are supporting: Metal Wall Panels

### Design Load Combinations - Framing

No.	Origin	Factor	Application	Description
1	System	1.000	1.0 D + 1.0 CG + 1.0 L	D + CG + L
2	System	1.000	1.0 D + 1.0 CG + 1.0 ASL^	D + CG + ASL^
3	System	1.000	1.0 D + 1.0 CG + 1.0 ^ASL	D + CG + ^ASL
4	System	1.000	1.0 D + 1.0 CG + 1.0 PL2	D + CG + PL2(Spans 1 and 2)
5	System	1.000	1.0 D + 1.0 CG + 1.0 PL2	D + CG + PL2(Spans 2 and 3)
6	System	1.000	1.0 D + 1.0 CG + 1.0 PL2	D + CG + PL2(Spans 3 and 4)
7	System	1.000	1.0 D + 1.0 CG + 1.0 PL2	D + CG + PL2(Spans 4 and 5)
8	System	1.000	1.0 D + 1.0 CG + 1.0 S	D + CG + S
9	System	1.000	1.0 D + 1.0 CG + 1.0 S + 1.0 SD	D + CG + S + SD
10	System	1.000	1.0 D + 1.0 CG + 1.0 US1*	D + CG + US1*
11	System	1.000	1.0 D + 1.0 CG + 1.0 *US1	D + CG + *US1
12	System	1.000	1.0 D + 1.0 CG + 1.0 W1>	D + CG + W1>
13	System	1.000	1.0 D + 1.0 CG + 1.0 <W1	D + CG + <W1
14	System	1.000	1.0 D + 1.0 CG + 1.0 W2>	D + CG + W2>
15	System	1.000	1.0 D + 1.0 CG + 1.0 <W2	D + CG + <W2
16	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W1>	D + CG + L + W1>
17	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W1	D + CG + L + <W1
18	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W2>	D + CG + L + W2>
19	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W2	D + CG + L + <W2
20	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W1>	D + CG + S + W1>
21	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W1	D + CG + S + <W1
22	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W2>	D + CG + S + W2>
23	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W2	D + CG + S + <W2
24	System	1.000	0.600 D + 0.600 CU + 1.0 W1>	D + CU + W1>
25	System	1.000	0.600 D + 0.600 CU + 1.0 <W1	D + CU + <W1
26	System	1.000	0.600 D + 0.600 CU + 1.0 W2>	D + CU + W2>
27	System	1.000	0.600 D + 0.600 CU + 1.0 <W2	D + CU + <W2
28	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 E> + 0.750 EG+	D + CG + L + E> + EG+
29	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <E + 0.750 EG+	D + CG + L + <E + EG+
30	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 E> + 0.700 EG+	D + CG + S + E> + EG+
31	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <E + 0.700 EG+	D + CG + S + <E + EG+
32	System	1.000	0.600 D + 0.600 CU + 0.700 E> + 0.700 EG-	D + CU + E> + EG-
33	System	1.000	0.600 D + 0.600 CU + 0.700 <E + 0.700 EG-	D + CU + <E + EG-
34	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 EB> + 0.750 EG+	D + CG + L + EB> + EG+
35	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 EB> + 0.700 EG+	D + CG + S + EB> + EG+
36	System Derived	1.000	0.600 D + 0.600 CU + 0.700 EB> + 0.700 EG-	D + CU + EB> + EG-
37	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <EB + 0.750 EG+	D + CG + L + <EB + EG+
38	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <EB + 0.700 EG+	D + CG + S + <EB + EG+
39	System Derived	1.000	0.600 D + 0.600 CU + 0.700 <EB + 0.700 EG-	D + CU + <EB + EG-
40	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA1	D + CG + WPA1
41	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPA1	D + CG + L + WPA1
42	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA1	D + CG + S + WPA1
43	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA1	D + CU + WPA1
44	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD1	D + CG + WPD1
45	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPD1	D + CG + L + WPD1
46	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD1	D + CG + S + WPD1
47	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD1	D + CU + WPD1
48	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA2	D + CG + WPA2
49	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPA2	D + CG + L + WPA2
50	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA2	D + CG + S + WPA2
51	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA2	D + CU + WPA2
52	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD2	D + CG + WPD2



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 5 of 46

53	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPD2	D + CG + L + WPD2
54	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD2	D + CG + S + WPD2
55	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD2	D + CU + WPD2
56	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB1	D + CG + WPB1
57	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPB1	D + CG + L + WPB1
58	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB1	D + CG + S + WPB1
59	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB1	D + CU + WPB1
60	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC1	D + CG + WPC1
61	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPC1	D + CG + L + WPC1
62	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC1	D + CG + S + WPC1
63	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC1	D + CU + WPC1
64	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB2	D + CG + WPB2
65	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPB2	D + CG + L + WPB2
66	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB2	D + CG + S + WPB2
67	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB2	D + CU + WPB2
68	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC2	D + CG + WPC2
69	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPC2	D + CG + L + WPC2
70	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC2	D + CG + S + WPC2
71	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC2	D + CU + WPC2

### Design Load Combinations - Bracing

No.	Origin	Factor	Application	Description
1	System	1.000	1.0 D + 0.700 E>	D + E>
2	System	1.000	1.0 D + 0.700 <E	D + <E
3	System	1.000	1.0 D + 1.0 WPA1	D + WPA1
4	System	1.000	1.0 D + 1.0 WPD1	D + WPD1
5	System	1.000	1.0 D + 1.0 WPA2	D + WPA2
6	System	1.000	1.0 D + 1.0 WPD2	D + WPD2
7	System	1.000	1.0 D + 1.0 WPB1	D + WPB1
8	System	1.000	1.0 D + 1.0 WPC1	D + WPC1
9	System	1.000	1.0 D + 1.0 WPB2	D + WPB2
10	System	1.000	1.0 D + 1.0 WPC2	D + WPC2

### Design Load Combinations - Purlin

No.	Origin	Factor	Application	Description
1	User	1.000	1.0 D + 1.0 CG + 1.150 W1>	D + CG + W1>
2	User	1.000	0.600 D + 0.600 CU + 1.150 W1>	D + CU + W1>
3	System	1.000	1.0 D + 1.0 CG + 1.0 S	D + CG + S
4	System	1.000	1.0 D + 1.0 CG + 1.0 S + 1.0 SD	D + CG + S + SD
5	System	1.000	1.0 D + 1.0 CG + 1.0 US1*	D + CG + US1*
6	System	1.000	1.0 D + 1.0 CG + 1.0 *US1	D + CG + *US1
7	System	1.000	1.0 D + 1.0 CG + 1.0 PF1	D + CG + PF1(Span 1)
8	System	1.000	1.0 D + 1.0 CG + 1.0 PF1	D + CG + PF1(Span 8)
9	System	1.000	1.0 D + 1.0 CG + 1.0 PH1	D + CG + PH1(Span 1)
10	System	1.000	1.0 D + 1.0 CG + 1.0 PH1	D + CG + PH1(Span 8)
11	System	1.000	1.0 D + 1.0 CG + 1.0 PF2	D + CG + PF2(Spans 1 and 2)
12	System	1.000	1.0 D + 1.0 CG + 1.0 PF2	D + CG + PF2(Spans 2 and 3)
13	System	1.000	1.0 D + 1.0 CG + 1.0 PF2	D + CG + PF2(Spans 3 and 4)
14	System	1.000	1.0 D + 1.0 CG + 1.0 PF2	D + CG + PF2(Spans 4 and 5)
15	System	1.000	1.0 D + 1.0 CG + 1.0 PF2	D + CG + PF2(Spans 5 and 6)
16	System	1.000	1.0 D + 1.0 CG + 1.0 PF2	D + CG + PF2(Spans 6 and 7)
17	System	1.000	1.0 D + 1.0 CG + 1.0 PF2	D + CG + PF2(Spans 7 and 8)
18	System	1.000	1.0 D + 1.0 CG + 1.0 W1>	D + CG + W1>
19	System	1.000	1.0 D + 1.0 CG + 1.0 <W2	D + CG + <W2
20	System	1.000	0.600 D + 0.600 CU + 1.0 W1>	D + CU + W1>
21	System	1.000	0.600 D + 0.600 CU + 1.0 <W2	D + CU + <W2
22	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W1>	D + CG + S + W1>
23	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W2	D + CG + S + <W2
24	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 EB> + 0.700 EG+	D + CG + S + EB> + EG+
25	System Derived	1.200	1.200 D + 1.200 CG + 0.200 S + 1.0 EB> + 0.700 EG+	D + CG + S + EB> + EG+
26	System Derived	1.200	0.900 D + 0.900 CG + 1.0 EB> + 0.700 EG-	D + CG + EB> + EG-
27	System Derived	1.000	0.600 D + 0.600 CU + 0.700 EB> + 0.700 EG-	D + CU + EB> + EG-
28	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <EB + 0.700 EG+	D + CG + S + <EB + EG+
29	System Derived	1.200	1.200 D + 1.200 CG + 0.200 S + 1.0 <EB + 0.700 EG+	D + CG + S + <EB + EG+
30	System Derived	1.200	0.900 D + 0.900 CG + 1.0 <EB + 0.700 EG-	D + CG + <EB + EG-
31	System Derived	1.000	0.600 D + 0.600 CU + 0.700 <EB + 0.700 EG-	D + CU + <EB + EG-
32	User Derived	1.000	1.0 D + 1.0 CG + 1.150 WPA1	D + CG + W1>: D + CG + WPA1



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 6 of 46

33	User Derived	1.000	0.600 D + 0.600 CU + 1.150 WPA1	D + CU + W1>: D + CU + WPA1
34	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA1	D + CG + WPA1
35	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA1	D + CU + WPA1
36	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA1	D + CG + S + WPA1
37	User Derived	1.000	1.0 D + 1.0 CG + 1.150 WPD1	D + CG + W1>: D + CG + WPD1
38	User Derived	1.000	0.600 D + 0.600 CU + 1.150 WPD1	D + CU + W1>: D + CU + WPD1
39	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD1	D + CG + WPD1
40	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD1	D + CU + WPD1
41	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD1	D + CG + S + WPD1
42	User Derived	1.000	1.0 D + 1.0 CG + 1.150 WPA2	D + CG + W1>: D + CG + WPA2
43	User Derived	1.000	0.600 D + 0.600 CU + 1.150 WPA2	D + CU + W1>: D + CU + WPA2
44	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA2	D + CG + WPA2
45	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA2	D + CU + WPA2
46	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA2	D + CG + S + WPA2
47	User Derived	1.000	1.0 D + 1.0 CG + 1.150 WPD2	D + CG + W1>: D + CG + WPD2
48	User Derived	1.000	0.600 D + 0.600 CU + 1.150 WPD2	D + CU + W1>: D + CU + WPD2
49	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD2	D + CG + WPD2
50	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD2	D + CU + WPD2
51	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD2	D + CG + S + WPD2
52	User Derived	1.000	1.0 D + 1.0 CG + 1.150 WPB1	D + CG + W1>: D + CG + WPB1
53	User Derived	1.000	0.600 D + 0.600 CU + 1.150 WPB1	D + CU + W1>: D + CU + WPB1
54	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB1	D + CG + WPB1
55	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB1	D + CU + WPB1
56	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB1	D + CG + S + WPB1
57	User Derived	1.000	1.0 D + 1.0 CG + 1.150 WPC1	D + CG + W1>: D + CG + WPC1
58	User Derived	1.000	0.600 D + 0.600 CU + 1.150 WPC1	D + CU + W1>: D + CU + WPC1
59	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC1	D + CG + WPC1
60	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC1	D + CU + WPC1
61	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC1	D + CG + S + WPC1
62	User Derived	1.000	1.0 D + 1.0 CG + 1.150 WPB2	D + CG + W1>: D + CG + WPB2
63	User Derived	1.000	0.600 D + 0.600 CU + 1.150 WPB2	D + CU + W1>: D + CU + WPB2
64	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB2	D + CG + WPB2
65	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB2	D + CU + WPB2
66	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB2	D + CG + S + WPB2
67	User Derived	1.000	1.0 D + 1.0 CG + 1.150 WPC2	D + CG + W1>: D + CG + WPC2
68	User Derived	1.000	0.600 D + 0.600 CU + 1.150 WPC2	D + CU + W1>: D + CU + WPC2
69	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC2	D + CG + WPC2
70	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC2	D + CU + WPC2
71	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC2	D + CG + S + WPC2

**Design Load Combinations - Girt**

No.	Origin	Factor	Application	Description
1	User	1.000	1.150 W1>	W1>
2	User	1.000	1.150 <W2	<W2
3	System	1.000	1.0 W1>	W1>
4	System	1.000	1.0 <W2	<W2

**Design Load Combinations - Roof - Panel**

No.	Origin	Factor	Application	Description
1	User	1.000	0.600 D + 1.150 W1>	D + W1>
2	System	1.000	1.0 D + 1.0 S	D + S
3	System	1.000	1.0 D + 1.0 S + 1.0 SD	D + S + SD
4	System	1.000	1.0 D + 1.0 US1*	D + US1*
5	System	1.000	1.0 D + 1.0 *US1	D + *US1
6	System	1.000	1.0 D + 1.0 <W2	D + <W2
7	System	1.000	0.600 D + 1.0 W1>	D + W1>



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 7 of 46

### Design Load Combinations - Wall - Panel

No.	Origin	Factor	Application		Description
1	User	1.000	1.150	W1>	W1>
2	User	1.000	1.150	<W2	<W2
3	System	1.000	1.0	W1>	W1>
4	System	1.000	1.0	<W2	<W2

### Deflection Load Combinations - Framing

No.	Origin	Factor	Def H	Def V	Application	Description
1	System	1.000	0	180	1.0 L	L
2	System	1.000	0	180	1.0 S	S
3	System	1.000	0	180	0.700 W1>	W1>
4	System	1.000	0	180	0.700 <W1	<W1
5	System	1.000	0	180	0.700 W2>	W2>
6	System	1.000	0	180	0.700 <W2	<W2
7	System Derived	1.000	0	180	0.700 WPA1	WPA1
8	System Derived	1.000	0	180	0.700 WPD1	WPD1
9	System Derived	1.000	0	180	0.700 WPA2	WPA2
10	System Derived	1.000	0	180	0.700 WPD2	WPD2
11	System Derived	1.000	0	180	0.700 WPB1	WPB1
12	System Derived	1.000	0	180	0.700 WPC1	WPC1
13	System Derived	1.000	0	180	0.700 WPB2	WPB2
14	System Derived	1.000	0	180	0.700 WPC2	WPC2
15	System	1.000	60	0	0.700 W1>	W1>
16	System	1.000	60	0	0.700 <W1	<W1
17	System	1.000	60	0	0.700 W2>	W2>
18	System	1.000	60	0	0.700 <W2	<W2
19	System Derived	1.000	60	0	0.700 WPA1	WPA1
20	System Derived	1.000	60	0	0.700 WPD1	WPD1
21	System Derived	1.000	60	0	0.700 WPA2	WPA2
22	System Derived	1.000	60	0	0.700 WPD2	WPD2
23	System Derived	1.000	60	0	0.700 WPB1	WPB1
24	System Derived	1.000	60	0	0.700 WPC1	WPC1
25	System Derived	1.000	60	0	0.700 WPB2	WPB2
26	System Derived	1.000	60	0	0.700 WPC2	WPC2

### Deflection Load Combinations - Purlin

No.	Origin	Factor	Deflection	Application	Description
1	System	1.000	180	0.700 W1>	W1>
2	System	1.000	180	0.700 <W2	<W2
3	System	1.000	180	1.0 S	S

### Deflection Load Combinations - Girt

No.	Origin	Factor	Deflection	Application	Description
1	System	1.000	90	0.700 W1>	W1>
2	System	1.000	90	0.700 <W2	<W2

### Deflection Load Combinations - Roof - Panel

No.	Origin	Factor	Def H	Def V	Application	Description
1	System	1.000	60	60	1.0 S	S
2	System	1.000	60	60	0.700 <W2	<W2

### Load Type Descriptions

D	Material Dead Weight	C	Collateral Load
CG	Collateral Load for Gravity Cases	CU	Collateral Load for Wind Cases
L	Live Load	ASL^	Alternate Span Live Load, Shifted Right
^ASL	Alternate Span Live Load, Shifted Left	PL2	Partial Live, Full, 2 Spans
L>	Live - Notional Right	<L	Live - Notional Left
S	Snow Load	US1*	Unbalanced Snow Load 1, Shifted Right
*US1	Unbalanced Snow Load 1, Shifted Left	US2*	Unbalanced Snow Load 2, Shifted Right
*US2	Unbalanced Snow Load 2, Shifted Left	SD	Snow Drift Load
SS	Sliding Snow Load	RS	Rain Surcharge Load
PF1	Partial Load, Full, 1 Span	PH1	Partial Load, Half, 1 Span
PF2	Partial Load, Full, 2 Spans	PH2	Partial Load, Half, 2 Spans
S>	Snow - Notional Right	<S	Snow - Notional Left
MRS	Minimum Roof Snow	MRS>	Minimum Roof Snow - Notional Right
<MRS	Minimum Roof Snow - Notional Left	W	Wind Load



10-6955 Loading & Reactions

W1>	Wind Load, Case 1, Right	<W1	Wind Load, Case 1, Left
W2>	Wind Load, Case 2, Right	<W2	Wind Load, Case 2, Left
W3>	Wind Load, Case 3, Right	<W3	Wind Load, Case 3, Left
W4>	Wind Load, Case 4, Right	<W4	Wind Load, Case 4, Left
W5>	Wind Load, Case 5, Right	<W5	Wind Load, Case 5, Left
W6>	Wind Load, Case 6, Right	<W6	Wind Load, Case 6, Left
WP	Wind Load, Parallel to Ridge	WPR	Wind Load,    Ridge, Right
WPL	Wind Load,    Ridge, Left	WPA1	Wind Parallel - Ref A, Case 1
WPA2	Wind Parallel - Ref A, Case 2	WPB1	Wind Parallel - Ref B, Case 1
WPB2	Wind Parallel - Ref B, Case 2	WPC1	Wind Parallel - Ref C, Case 1
WPC2	Wind Parallel - Ref C, Case 2	WPD1	Wind Parallel - Ref D, Case 1
WPD2	Wind Parallel - Ref D, Case 2	WB1>	Wind Brace Reaction, Case 1, Right
<WB1	Wind Brace Reaction, Case 1, Left	WB2>	Wind Brace Reaction, Case 2, Right
<WB2	Wind Brace Reaction, Case 2, Left	WB3>	Wind Brace Reaction, Case 3, Right
<WB3	Wind Brace Reaction, Case 3, Left	WB4>	Wind Brace Reaction, Case 4, Right
<WB4	Wind Brace Reaction, Case 4, Left	WB5>	Wind Brace Reaction, Case 5, Right
<WB5	Wind Brace Reaction, Case 5, Left	WB6>	Wind Brace Reaction, Case 6, Right
<WB6	Wind Brace Reaction, Case 6, Left	MW	Minimum Wind Load
MWB	Minimum Wind Bracing Reaction	E	Seismic Load
E>	Seismic Load, Right	<E	Seismic Load, Left
EG	Vertical Seismic Effect	EG+	Vertical Seismic Effect, Additive
EG-	Vertical Seismic Effect, Subtractive	EB>	Seismic Brace Reaction, Right
<EB	Seismic Brace Reaction, Left	FL	Floor Live Load
FL*	Alternate Span Floor Live Load, Shifted Right	*FL	Alternate Span Floor Live Load, Shifted Left
FD	Floor Dead Load	AL	Auxiliary Live Load
AL*>	Auxiliary Live Load, Right, Right	*AL>	Auxiliary Live Load, Right, Left
<AL*	Auxiliary Live Load, Left, Right	<*AL	Auxiliary Live Load, Left, Left
AL*	Aux Live, Right	*AL	Aux Live, Left
AL*>(1)	Auxiliary Live Load, Right, Right, Aisle 1	*AL>(1)	Auxiliary Live Load, Right, Left, Aisle 1
<AL*(1)	Auxiliary Live Load, Left, Right, Aisle 1	<*AL(1)	Auxiliary Live Load, Left, Left, Aisle 1
AL*(1)	Aux Live, Right, Aisle 1	*AL(1)	Aux Live, Left, Aisle 1
AL*>(2)	Auxiliary Live Load, Right, Right, Aisle 2	*AL>(2)	Auxiliary Live Load, Right, Left, Aisle 2
<AL*(2)	Auxiliary Live Load, Left, Right, Aisle 2	<*AL(2)	Auxiliary Live Load, Left, Left, Aisle 2
AL*(2)	Aux Live, Right, Aisle 2	*AL(2)	Aux Live, Left, Aisle 2
AL*>(3)	Auxiliary Live Load, Right, Right, Aisle 3	*AL>(3)	Auxiliary Live Load, Right, Left, Aisle 3
<AL*(3)	Auxiliary Live Load, Left, Right, Aisle 3	<*AL(3)	Auxiliary Live Load, Left, Left, Aisle 3
AL*(3)	Aux Live, Right, Aisle 3	*AL(3)	Aux Live, Left, Aisle 3
AL*>(4)	Auxiliary Live Load, Right, Right, Aisle 4	*AL>(4)	Auxiliary Live Load, Right, Left, Aisle 4
<AL*(4)	Auxiliary Live Load, Left, Right, Aisle 4	<*AL(4)	Auxiliary Live Load, Left, Left, Aisle 4
AL*(4)	Aux Live, Right, Aisle 4	*AL(4)	Aux Live, Left, Aisle 4
AL*>(5)	Auxiliary Live Load, Right, Right, Aisle 5	*AL>(5)	Auxiliary Live Load, Right, Left, Aisle 5
<AL*(5)	Auxiliary Live Load, Left, Right, Aisle 5	<*AL(5)	Auxiliary Live Load, Left, Left, Aisle 5
AL*(5)	Aux Live, Right, Aisle 5	*AL(5)	Aux Live, Left, Aisle 5
ALB	Aux Live Bracing Reaction	ALB>	Aux Live Bracing Reaction, Right
<ALB	Aux Live Bracing Reaction, Left	WALB>	Wind, Aux Live Bracing Reaction, Right
<WALB	Wind, Aux Live Bracing Reaction, Left	ALB>(1)	Aux Live Bracing Reaction, Right, Aisle 1
<ALB(1)	Aux Live Bracing Reaction, Left, Aisle 1	WALB>(1)	Wind, Aux Live Bracing Reaction, Right, Aisle 1
<WALB(1)	Wind, Aux Live Bracing Reaction, Left, Aisle 1	ALB>(2)	Aux Live Bracing Reaction, Right, Aisle 2
<ALB(2)	Aux Live Bracing Reaction, Left, Aisle 2	WALB>(2)	Wind, Aux Live Bracing Reaction, Right, Aisle 2
<WALB(2)	Wind, Aux Live Bracing Reaction, Left, Aisle 2	ALB>(3)	Aux Live Bracing Reaction, Right, Aisle 3
<ALB(3)	Aux Live Bracing Reaction, Left, Aisle 3	WALB>(3)	Wind, Aux Live Bracing Reaction, Right, Aisle 3
<WALB(3)	Wind, Aux Live Bracing Reaction, Left, Aisle 3	ALB>(4)	Aux Live Bracing Reaction, Right, Aisle 4
<ALB(4)	Aux Live Bracing Reaction, Left, Aisle 4	WALB>(4)	Wind, Aux Live Bracing Reaction, Right, Aisle 4
<WALB(4)	Wind, Aux Live Bracing Reaction, Left, Aisle 4	ALB>(5)	Aux Live Bracing Reaction, Right, Aisle 5
<ALB(5)	Aux Live Bracing Reaction, Left, Aisle 5	WALB>(5)	Wind, Aux Live Bracing Reaction, Right, Aisle 5
<WALB(5)	Wind, Aux Live Bracing Reaction, Left, Aisle 5	WALB	Wind, Aux Live Bracing Reaction
AD	Auxiliary Dead Load	U0	User Defined Load
U1	User Defined Load - 1	U2	User Defined Load - 2
U3	User Defined Load - 3	U4	User Defined Load - 4
U5	User Defined Load - 5	U6	User Defined Load - 6
U7	User Defined Load - 7	U8	User Defined Load - 8
U9	User Defined Load - 9	UB	User Brace Reaction
UB1	User Brace Reaction - 1	UB2	User Brace Reaction - 2
UB3	User Brace Reaction - 3	UB4	User Brace Reaction - 4
UB5	User Brace Reaction - 5	UB6	User Brace Reaction - 6
UB7	User Brace Reaction - 7	UB8	User Brace Reaction - 8
UB9	User Brace Reaction - 9	R	Rain Load
T	Temperature Load	V	Shear





# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 9 of 46

**User Applied Surface Loads (Local Coordinate System)**

Side	Shape	Units	Type	Description	Mag	X-Loc	Y-Loc	Frm	Brc	Grt	Pur	Pnl	Supp.	Dir.	Loc.
2	RC	psf	W1>	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	Y	N	Y	N	OUT	OF
2	RC	psf	W1>	Partially Enclosed wind	6.87	0/0/0	25/0/0	Y	N	Y	N	Y	N	OUT	OF
2	RC	psf	W1>	Partially Enclosed wind	6.87	25/0/0	25/0/0	Y	N	Y	N	Y	N	OUT	OF
2	RC	psf	W1>	Partially Enclosed wind	6.87	25/0/0	0/0/0	Y	N	Y	N	Y	N	OUT	OF
2	RC	psf	<W1	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	Y	N	Y	N	OUT	OF
2	RC	psf	<W1	Partially Enclosed wind	6.87	0/0/0	25/0/0	Y	N	Y	N	Y	N	OUT	OF
2	RC	psf	<W1	Partially Enclosed wind	6.87	25/0/0	25/0/0	Y	N	Y	N	Y	N	OUT	OF
2	RC	psf	<W1	Partially Enclosed wind	6.87	25/0/0	0/0/0	Y	N	Y	N	Y	N	OUT	OF
2	RC	psf	W2>	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	Y	N	Y	N	IN	OF
2	RC	psf	W2>	Partially Enclosed wind	6.87	0/0/0	25/0/0	Y	N	Y	N	Y	N	IN	OF
2	RC	psf	W2>	Partially Enclosed wind	6.87	25/0/0	25/0/0	Y	N	Y	N	Y	N	IN	OF
2	RC	psf	W2>	Partially Enclosed wind	6.87	25/0/0	0/0/0	Y	N	Y	N	Y	N	IN	OF
2	RC	psf	<W2	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	Y	N	Y	N	IN	OF
2	RC	psf	<W2	Partially Enclosed wind	6.87	0/0/0	25/0/0	Y	N	Y	N	Y	N	IN	OF
2	RC	psf	<W2	Partially Enclosed wind	6.87	25/0/0	25/0/0	Y	N	Y	N	Y	N	IN	OF
2	RC	psf	<W2	Partially Enclosed wind	6.87	25/0/0	0/0/0	Y	N	Y	N	Y	N	IN	OF
3	ES	psf	W1>	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	Y	N	Y	N	OUT	OF
3	ES	psf	<W1	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	Y	N	Y	N	IN	OF
4	RC	psf	W1>	Partially Enclosed wind	6.87	175/0/0	0/0/0	Y	N	Y	N	Y	N	OUT	OF
4	RC	psf	W1>	Partially Enclosed wind	6.87	175/0/0	25/0/0	Y	N	Y	N	Y	N	OUT	OF
4	RC	psf	W1>	Partially Enclosed wind	6.87	200/0/0	25/0/0	Y	N	Y	N	Y	N	OUT	OF
4	RC	psf	W1>	Partially Enclosed wind	6.87	200/0/0	0/0/0	Y	N	Y	N	Y	N	OUT	OF
4	RC	psf	<W1	Partially Enclosed wind	6.87	175/0/0	0/0/0	Y	N	Y	N	Y	N	OUT	OF
4	RC	psf	<W1	Partially Enclosed wind	6.87	175/0/0	25/0/0	Y	N	Y	N	Y	N	OUT	OF
4	RC	psf	<W1	Partially Enclosed wind	6.87	200/0/0	25/0/0	Y	N	Y	N	Y	N	OUT	OF
4	RC	psf	<W1	Partially Enclosed wind	6.87	200/0/0	0/0/0	Y	N	Y	N	Y	N	OUT	OF
4	RC	psf	W2>	Partially Enclosed wind	6.87	175/0/0	0/0/0	Y	N	Y	N	Y	N	IN	OF
4	RC	psf	W2>	Partially Enclosed wind	6.87	175/0/0	25/0/0	Y	N	Y	N	Y	N	IN	OF
4	RC	psf	W2>	Partially Enclosed wind	6.87	200/0/0	25/0/0	Y	N	Y	N	Y	N	IN	OF
4	RC	psf	W2>	Partially Enclosed wind	6.87	200/0/0	0/0/0	Y	N	Y	N	Y	N	IN	OF
4	RC	psf	<W2	Partially Enclosed wind	6.87	175/0/0	0/0/0	Y	N	Y	N	Y	N	IN	OF
4	RC	psf	<W2	Partially Enclosed wind	6.87	175/0/0	25/0/0	Y	N	Y	N	Y	N	IN	OF
4	RC	psf	<W2	Partially Enclosed wind	6.87	200/0/0	25/0/0	Y	N	Y	N	Y	N	IN	OF
4	RC	psf	<W2	Partially Enclosed wind	6.87	200/0/0	0/0/0	Y	N	Y	N	Y	N	IN	OF
A	RC	psf	W1>	Partially Enclosed wind	6.87	175/0/0	0/0/0	Y	N	N	Y	Y	N	OUT	OF
A	RC	psf	W1>	Partially Enclosed wind	6.87	175/0/0	-30/1/4	Y	N	N	Y	Y	N	OUT	OF
A	RC	psf	W1>	Partially Enclosed wind	6.87	200/0/0	-30/1/4	Y	N	N	Y	Y	N	OUT	OF
A	RC	psf	W1>	Partially Enclosed wind	6.87	200/0/0	0/0/0	Y	N	N	Y	Y	N	OUT	OF
A	RC	psf	<W1	Partially Enclosed wind	6.87	175/0/0	0/0/0	Y	N	N	Y	Y	N	OUT	OF
A	RC	psf	<W1	Partially Enclosed wind	6.87	175/0/0	-30/1/4	Y	N	N	Y	Y	N	OUT	OF
A	RC	psf	<W1	Partially Enclosed wind	6.87	200/0/0	-30/1/4	Y	N	N	Y	Y	N	OUT	OF
A	RC	psf	<W1	Partially Enclosed wind	6.87	200/0/0	0/0/0	Y	N	N	Y	Y	N	OUT	OF
A	RC	psf	W2>	Partially Enclosed wind	6.87	175/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	W2>	Partially Enclosed wind	6.87	175/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	W2>	Partially Enclosed wind	6.87	200/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	W2>	Partially Enclosed wind	6.87	200/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	<W2	Partially Enclosed wind	6.87	175/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	<W2	Partially Enclosed wind	6.87	175/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	<W2	Partially Enclosed wind	6.87	200/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	<W2	Partially Enclosed wind	6.87	200/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	S	Snow - unheated bay	7.56	175/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	S	Snow - unheated bay	7.56	175/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	S	Snow - unheated bay	7.56	200/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
A	RC	psf	S	Snow - unheated bay	7.56	200/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	W1>	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	N	Y	Y	N	OUT	OF
B	RC	psf	W1>	Partially Enclosed wind	6.87	0/0/0	-30/1/4	Y	N	N	Y	Y	N	OUT	OF
B	RC	psf	W1>	Partially Enclosed wind	6.87	25/0/0	-30/1/4	Y	N	N	Y	Y	N	OUT	OF
B	RC	psf	W1>	Partially Enclosed wind	6.87	25/0/0	0/0/0	Y	N	N	Y	Y	N	OUT	OF
B	RC	psf	<W1	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	N	Y	Y	N	OUT	OF
B	RC	psf	<W1	Partially Enclosed wind	6.87	0/0/0	-30/1/4	Y	N	N	Y	Y	N	OUT	OF
B	RC	psf	<W1	Partially Enclosed wind	6.87	25/0/0	-30/1/4	Y	N	N	Y	Y	N	OUT	OF
B	RC	psf	<W1	Partially Enclosed wind	6.87	25/0/0	0/0/0	Y	N	N	Y	Y	N	OUT	OF
B	RC	psf	W2>	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	W2>	Partially Enclosed wind	6.87	0/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF



# 10-6955 Loading & Reactions

Date: 5/13/2010

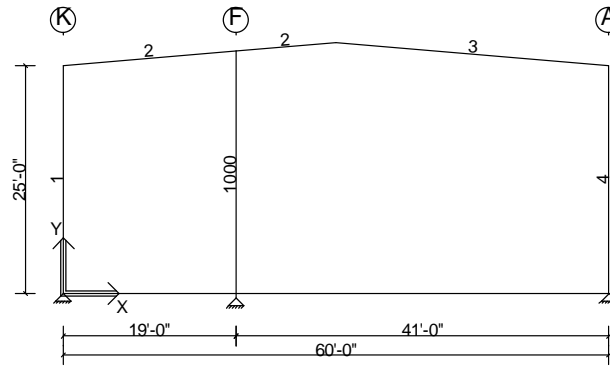
Time: 01:40 PM

Page: 10 of 46

B	RC	psf	W2>	Partially Enclosed wind	6.87	25/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	W2>	Partially Enclosed wind	6.87	25/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	<W2	Partially Enclosed wind	6.87	0/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	<W2	Partially Enclosed wind	6.87	0/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	<W2	Partially Enclosed wind	6.87	25/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	<W2	Partially Enclosed wind	6.87	25/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	S	Snow - unheated bay	7.56	0/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	S	Snow - unheated bay	7.56	0/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	S	Snow - unheated bay	7.56	25/0/0	-30/1/4	Y	N	N	Y	Y	N	IN	OF
B	RC	psf	S	Snow - unheated bay	7.56	25/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF

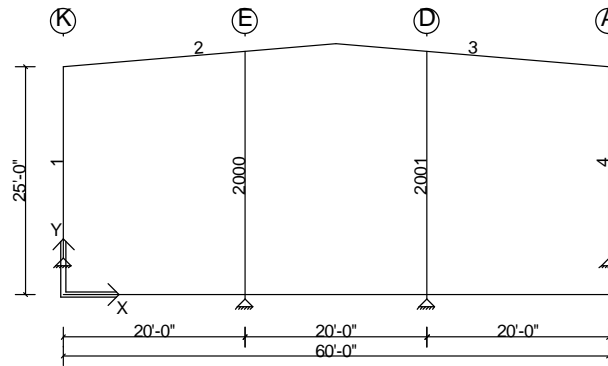
User Defined Frame Line Loads for Cross Section: 2

Side	Units	Type	Description	Mag1	Loc1	Mag2	Loc2	Supp.	Dir.	Coef.	Loc.
1	plf	W1>	Partially Enclosed wind->Resolved From Plane	-12.27	0/0/0	-12.27	4/0/0	N	LEFT	1.000	OF
1	plf	<W1	Partially Enclosed wind->Resolved From Plane	-12.27	0/0/0	-12.27	4/0/0	N	LEFT	1.000	OF
1	plf	W2>	Partially Enclosed wind->Resolved From Plane	12.27	0/0/0	12.27	4/0/0	N	RIGHT	1.000	OF
1	plf	<W2	Partially Enclosed wind->Resolved From Plane	12.27	0/0/0	12.27	4/0/0	N	RIGHT	1.000	OF
4	plf	W1>	Partially Enclosed wind->Resolved From Plane	12.27	0/0/0	12.27	4/0/0	N	RIGHT	1.000	OF
4	plf	<W1	Partially Enclosed wind->Resolved From Plane	12.27	0/0/0	12.27	4/0/0	N	RIGHT	1.000	OF
4	plf	W2>	Partially Enclosed wind->Resolved From Plane	-12.27	0/0/0	-12.27	4/0/0	N	LEFT	1.000	OF
4	plf	<W2	Partially Enclosed wind->Resolved From Plane	-12.27	0/0/0	-12.27	4/0/0	N	LEFT	1.000	OF



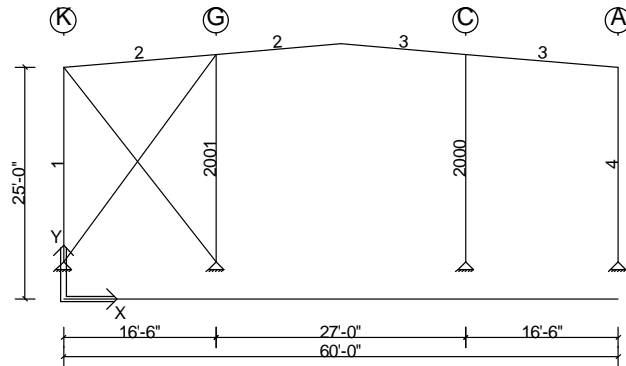
**User Defined Frame Line Loads for Cross Section: 8**

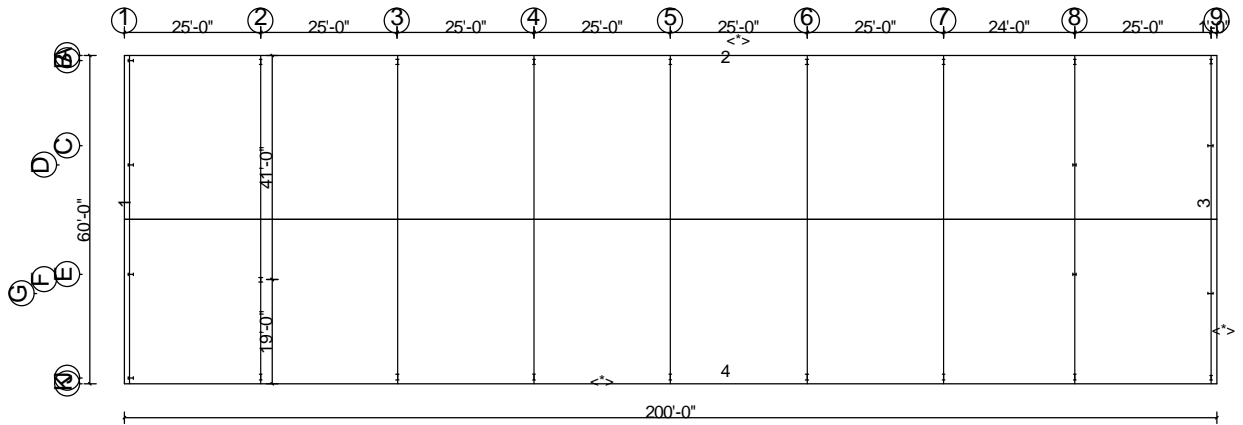
Side	Units	Type	Description	Mag1	Loc1	Mag2	Loc2	Supp.	Dir.	Coef.	Loc.
1	plf	W1>	Partially Enclosed wind->Resolved From Plane	-79.14	4/0/0	-79.14	25/0/0	N	LEFT	1.000	OF
1	plf	<W1	Partially Enclosed wind->Resolved From Plane	-79.14	4/0/0	-79.14	25/0/0	N	LEFT	1.000	OF
1	plf	W2>	Partially Enclosed wind->Resolved From Plane	79.14	4/0/0	79.14	25/0/0	N	RIGHT	1.000	OF
1	plf	<W2	Partially Enclosed wind->Resolved From Plane	79.14	4/0/0	79.14	25/0/0	N	RIGHT	1.000	OF
2	plf	W1>	Partially Enclosed wind->Resolved From Plane	79.14	0/0/0	79.14	30/1/4	N	UP	1.000	OF
2	plf	<W1	Partially Enclosed wind->Resolved From Plane	79.14	0/0/0	79.14	30/1/4	N	UP	1.000	OF
2	plf	W2>	Partially Enclosed wind->Resolved From Plane	-79.14	0/0/0	-79.14	30/1/4	N	DOWN	1.000	OF
2	plf	<W2	Partially Enclosed wind->Resolved From Plane	-79.14	0/0/0	-79.14	30/1/4	N	DOWN	1.000	OF
2	plf	S	Snow - unheated bay->Resolved From Plane	-87.09	0/0/0	-87.09	30/1/4	N	DOWN	1.000	OF
2	plf	US1*	Snow - unheated bay->Resolved From Plane	-87.09	0/0/0	-87.09	30/1/4	N	DOWN	1.000	OF
2	plf	*US1	Snow - unheated bay->Resolved From Plane	-87.09	0/0/0	-87.09	30/1/4	N	DOWN	1.000	OF
3	plf	W1>	Partially Enclosed wind->Resolved From Plane	79.14	0/0/0	79.14	30/1/4	N	UP	1.000	OF
3	plf	<W1	Partially Enclosed wind->Resolved From Plane	79.14	0/0/0	79.14	30/1/4	N	UP	1.000	OF
3	plf	W2>	Partially Enclosed wind->Resolved From Plane	-79.14	0/0/0	-79.14	30/1/4	N	DOWN	1.000	OF
3	plf	<W2	Partially Enclosed wind->Resolved From Plane	-79.14	0/0/0	-79.14	30/1/4	N	DOWN	1.000	OF
3	plf	S	Snow - unheated bay->Resolved From Plane	-87.09	0/0/0	-87.09	30/1/4	N	DOWN	1.000	OF
3	plf	US1*	Snow - unheated bay->Resolved From Plane	-87.09	0/0/0	-87.09	30/1/4	N	DOWN	1.000	OF
3	plf	*US1	Snow - unheated bay->Resolved From Plane	-87.09	0/0/0	-87.09	30/1/4	N	DOWN	1.000	OF
4	plf	W1>	Partially Enclosed wind->Resolved From Plane	79.14	4/0/0	79.14	25/0/0	N	RIGHT	1.000	OF
4	plf	<W1	Partially Enclosed wind->Resolved From Plane	79.14	4/0/0	79.14	25/0/0	N	RIGHT	1.000	OF
4	plf	W2>	Partially Enclosed wind->Resolved From Plane	-79.14	4/0/0	-79.14	25/0/0	N	LEFT	1.000	OF
4	plf	<W2	Partially Enclosed wind->Resolved From Plane	-79.14	4/0/0	-79.14	25/0/0	N	LEFT	1.000	OF
2000	plf	W1>	Partially Enclosed wind->Resolved From Plane	-137.40	0/0/0	-137.40	25/0/0	N	OUT	1.000	OF
2000	plf	W1>	Partially Enclosed wind->Resolved From Plane	-137.40	25/0/0	-68.70	26/8/0	N	OUT	1.000	OF
2000	plf	<W1	Partially Enclosed wind->Resolved From Plane	137.40	0/0/0	137.40	25/0/0	N	IN	1.000	OF
2000	plf	<W1	Partially Enclosed wind->Resolved From Plane	137.40	25/0/0	68.70	26/8/0	N	IN	1.000	OF
2001	plf	W1>	Partially Enclosed wind->Resolved From Plane	-137.40	0/0/0	-137.40	25/0/0	N	OUT	1.000	OF
2001	plf	W1>	Partially Enclosed wind->Resolved From Plane	-137.40	25/0/0	-68.70	26/8/0	N	OUT	1.000	OF
2001	plf	<W1	Partially Enclosed wind->Resolved From Plane	137.40	0/0/0	137.40	25/0/0	N	IN	1.000	OF
2001	plf	<W1	Partially Enclosed wind->Resolved From Plane	137.40	25/0/0	68.70	26/8/0	N	IN	1.000	OF



**User Defined Frame Line Loads for Cross Section: 9**

Side	Units	Type	Description	Mag1	Loc1	Mag2	Loc2	Supp.	Dir.	Coef.	Loc.
1	plf	W1>	Partially Enclosed wind->Resolved From Plane	-92.74	4/0/0	-92.74	25/0/0	N	LEFT	1.000	OF
1	plf	<W1	Partially Enclosed wind->Resolved From Plane	-92.74	4/0/0	-92.74	25/0/0	N	LEFT	1.000	OF
1	plf	W2>	Partially Enclosed wind->Resolved From Plane	92.74	4/0/0	92.74	25/0/0	N	RIGHT	1.000	OF
1	plf	<W2	Partially Enclosed wind->Resolved From Plane	92.74	4/0/0	92.74	25/0/0	N	RIGHT	1.000	OF
2	plf	W1>	Partially Enclosed wind->Resolved From Plane	92.74	0/0/0	92.74	30/1/4	N	UP	1.000	OF
2	plf	<W1	Partially Enclosed wind->Resolved From Plane	92.74	0/0/0	92.74	30/1/4	N	UP	1.000	OF
2	plf	W2>	Partially Enclosed wind->Resolved From Plane	-92.74	0/0/0	-92.74	30/1/4	N	DOWN	1.000	OF
2	plf	<W2	Partially Enclosed wind->Resolved From Plane	-92.74	0/0/0	-92.74	30/1/4	N	DOWN	1.000	OF
2	plf	S	Snow - unheated bay->Resolved From Plane	-102.06	0/0/0	-102.06	30/1/4	N	DOWN	1.000	OF
2	plf	US1*	Snow - unheated bay->Resolved From Plane	-102.06	0/0/0	-102.06	30/1/4	N	DOWN	1.000	OF
2	plf	*US1	Snow - unheated bay->Resolved From Plane	-102.06	0/0/0	-102.06	30/1/4	N	DOWN	1.000	OF
3	plf	W1>	Partially Enclosed wind->Resolved From Plane	92.74	0/0/0	92.74	30/1/4	N	UP	1.000	OF
3	plf	<W1	Partially Enclosed wind->Resolved From Plane	92.74	0/0/0	92.74	30/1/4	N	UP	1.000	OF
3	plf	W2>	Partially Enclosed wind->Resolved From Plane	-92.74	0/0/0	-92.74	30/1/4	N	DOWN	1.000	OF
3	plf	<W2	Partially Enclosed wind->Resolved From Plane	-92.74	0/0/0	-92.74	30/1/4	N	DOWN	1.000	OF
3	plf	S	Snow - unheated bay->Resolved From Plane	-102.06	0/0/0	-102.06	30/1/4	N	DOWN	1.000	OF
3	plf	US1*	Snow - unheated bay->Resolved From Plane	-102.06	0/0/0	-102.06	30/1/4	N	DOWN	1.000	OF
3	plf	*US1	Snow - unheated bay->Resolved From Plane	-102.06	0/0/0	-102.06	30/1/4	N	DOWN	1.000	OF
4	plf	W1>	Partially Enclosed wind->Resolved From Plane	92.74	4/0/0	92.74	25/0/0	N	RIGHT	1.000	OF
4	plf	<W1	Partially Enclosed wind->Resolved From Plane	92.74	4/0/0	92.74	25/0/0	N	RIGHT	1.000	OF
4	plf	W2>	Partially Enclosed wind->Resolved From Plane	-92.74	4/0/0	-92.74	25/0/0	N	LEFT	1.000	OF
4	plf	<W2	Partially Enclosed wind->Resolved From Plane	-92.74	4/0/0	-92.74	25/0/0	N	LEFT	1.000	OF
2001	plf	W1>	Partially Enclosed wind->Resolved From Plane	-149.42	4/0/0	-149.42	25/0/0	N	OUT	1.000	OF
2001	plf	W1>	Partially Enclosed wind->Resolved From Plane	-149.42	25/0/0	-92.75	26/4/8	N	OUT	1.000	OF
2001	plf	<W1	Partially Enclosed wind->Resolved From Plane	149.42	4/0/0	149.42	25/0/0	N	IN	1.000	OF
2001	plf	<W1	Partially Enclosed wind->Resolved From Plane	149.42	25/0/0	92.75	26/4/8	N	IN	1.000	OF
2000	plf	W1>	Partially Enclosed wind->Resolved From Plane	-149.42	4/0/0	-149.42	25/0/0	N	OUT	1.000	OF
2000	plf	W1>	Partially Enclosed wind->Resolved From Plane	-149.42	25/0/0	-92.75	26/4/8	N	OUT	1.000	OF
2000	plf	<W1	Partially Enclosed wind->Resolved From Plane	149.42	4/0/0	149.42	25/0/0	N	IN	1.000	OF
2000	plf	<W1	Partially Enclosed wind->Resolved From Plane	149.42	25/0/0	92.75	26/4/8	N	IN	1.000	OF





<\*> The building is designed with bracing diagonals in the designated bays. Column base reactions, base plates and anchor rods are affected by this bracing and diagonals may not be relocated without consulting the building supplier's engineer.



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 15 of 46

## Reactions - Expanded Report

### Shape: Schnitzer Northeast

Builder Contact: Bill Rudman or Dennis Waters  
 Name: Patco Construction Inc  
 Address: 1293 Main Street

Project: Schnitzer Northeast  
 Builder PO #:  
 Jobsite: 636 Riverside Street

City, State Zip: Sanford, Maine 04073  
 Country: United States

City, State Zip: Portland, Maine 04101  
 County, Country: Cumberland, United States

### Loads and Codes - Shape: Schnitzer Northeast

**City:** Portland **County:** Cumberland  
 Building Code: 2003 International Building Code  
 Building Use: Standard Occupancy Structure

**State:** Maine  
 Built Up: 89AISC  
 Cold Form: 04AISI

**Country:** United States  
 Rainfall: 4.00 inches per hour  
 3000.0 psi Concrete

### Dead and Collateral Loads

Collateral Gravity: 3.00 psf  
 Collateral Uplift: 0.00 psf

Roof Covering + Second. Dead Load: 2.80 psf  
 Frame Weight (assumed for seismic): 2.50 psf

### Live Load

Live Load: 20.00 psf Reducible

### Wind Load

Wind Speed: 95.00 mph  
 Wind Exposure (Factor): C (0.945)  
 Parts Wind Exposure Factor: 0.945  
 Wind Enclosure: Enclosed

Wind Importance Factor: 1.000  
 Topographic Factor: 1.0000

NOT Windborne Debris Region  
 Base Elevation: 0/0/0  
 Primary Zone Strip Width: 12/0/0  
 Parts / Portions Zone Strip Width: 6/0/0  
 Basic Wind Pressure: 18.56 psf

### Snow Load

Ground Snow Load: 60.00 psf  
 Flat Roof Snow: 37.80 psf  
 Design Snow (Sloped): 37.80 psf  
 Snow Exposure Category (Factor): 1 Fully Exposed (0.90)  
 Snow Importance: 1.000  
 Thermal Category (Factor): Heated (1.00)  
 Ground / Roof Conversion: 0.70  
 % Snow Used in Seismic: 20.00  
 Seismic Snow Load: 7.56 psf  
 Unobstructed, Slippery Roof

### Seismic Load

Mapped Spectral Response - Ss: 40.00 %g  
 Mapped Spectral Response - S1: 10.00 %g  
 Seismic Hazard / Use Group: Group 1  
 Seismic Importance: 1.000  
 Seismic Performance / Design Category: C  
 System NOT detailed for Seismic  
 Framing Seismic Period: 0.3677  
 Bracing Seismic Period: 0.2236  
 Framing R-Factor: 3.0000  
 Bracing R-Factor: 3.0000  
 Soil Profile Type: Stiff soil (D, 4)  
 Frame Redundancy Factor: 1.0000  
 Brace Redundancy Factor: 1.0000  
 Frame Seismic Factor (Cs): 0.1316 x W  
 Brace Seismic Factor (Cs): 0.1316 x W  
 Design Spectral Response - Sd1: 0.1600  
 Design Spectral Response - Sds: 0.3947

### Load Notes

The building is designed to meet the following FM recommendations:  
 Data Sheet 1-28 - Components and Cladding are designed with Wind Importance factor of 1.15  
 Data Sheet 1-31 - The roof construction meets a Wind Uplift Class 1-60 Roof Assembly

### Load Type Descriptions

D	Material Dead Weight	C	Collateral Load
CG	Collateral Load for Gravity Cases	CU	Collateral Load for Wind Cases
L	Live Load	ASL^	Alternate Span Live Load, Shifted Right
^ASL	Alternate Span Live Load, Shifted Left	PL2	Partial Live, Full, 2 Spans
L>	Live - Notional Right	<L	Live - Notional Left
S	Snow Load	US1*	Unbalanced Snow Load 1, Shifted Right
*US1	Unbalanced Snow Load 1, Shifted Left	US2*	Unbalanced Snow Load 2, Shifted Right
*US2	Unbalanced Snow Load 2, Shifted Left	SD	Snow Drift Load
SS	Sliding Snow Load	RS	Rain Surcharge Load
PF1	Partial Load, Full, 1 Span	PH1	Partial Load, Half, 1 Span
PF2	Partial Load, Full, 2 Spans	PH2	Partial Load, Half, 2 Spans
S>	Snow - Notional Right	<S	Snow - Notional Left
MRS	Minimum Roof Snow	MRS>	Minimum Roof Snow - Notional Right
<MRS	Minimum Roof Snow - Notional Left	W	Wind Load
W1>	Wind Load, Case 1, Right	<W1	Wind Load, Case 1, Left
W2>	Wind Load, Case 2, Right	<W2	Wind Load, Case 2, Left
W3>	Wind Load, Case 3, Right	<W3	Wind Load, Case 3, Left
W4>	Wind Load, Case 4, Right	<W4	Wind Load, Case 4, Left
W5>	Wind Load, Case 5, Right	<W5	Wind Load, Case 5, Left
W6>	Wind Load, Case 6, Right	<W6	Wind Load, Case 6, Left
WP	Wind Load, Parallel to Ridge	WPR	Wind Load,    Ridge, Right
WPL	Wind Load,    Ridge, Left	WPA1	Wind Parallel - Ref A, Case 1



10-6955 Loading & Reactions

WPA2	Wind Parallel - Ref A, Case 2	WPB1	Wind Parallel - Ref B, Case 1
WPB2	Wind Parallel - Ref B, Case 2	WPC1	Wind Parallel - Ref C, Case 1
WPC2	Wind Parallel - Ref C, Case 2	WPD1	Wind Parallel - Ref D, Case 1
WPD2	Wind Parallel - Ref D, Case 2	WB1>	Wind Brace Reaction, Case 1, Right
<WB1	Wind Brace Reaction, Case 1, Left	WB2>	Wind Brace Reaction, Case 2, Right
<WB2	Wind Brace Reaction, Case 2, Left	WB3>	Wind Brace Reaction, Case 3, Right
<WB3	Wind Brace Reaction, Case 3, Left	WB4>	Wind Brace Reaction, Case 4, Right
<WB4	Wind Brace Reaction, Case 4, Left	WB5>	Wind Brace Reaction, Case 5, Right
<WB5	Wind Brace Reaction, Case 5, Left	WB6>	Wind Brace Reaction, Case 6, Right
<WB6	Wind Brace Reaction, Case 6, Left	MW	Minimum Wind Load
MWB	Minimum Wind Bracing Reaction	E	Seismic Load
E>	Seismic Load, Right	<E	Seismic Load, Left
EG	Vertical Seismic Effect	EG+	Vertical Seismic Effect, Additive
EG-	Vertical Seismic Effect, Subtractive	EB>	Seismic Brace Reaction, Right
<EB	Seismic Brace Reaction, Left	FL	Floor Live Load
FL*	Alternate Span Floor Live Load, Shifted Right	*FL	Alternate Span Floor Live Load, Shifted Left
FD	Floor Dead Load	AL	Auxiliary Live Load
AL*>	Auxiliary Live Load, Right, Right	*AL>	Auxiliary Live Load, Right, Left
<AL*	Auxiliary Live Load, Left, Right	<*AL	Auxiliary Live Load, Left, Left
AL*	Aux Live, Right	*AL	Aux Live, Left
AL*>(1)	Auxiliary Live Load, Right, Right, Aisle 1	*AL>(1)	Auxiliary Live Load, Right, Left, Aisle 1
<AL*(1)	Auxiliary Live Load, Left, Right, Aisle 1	<*AL(1)	Auxiliary Live Load, Left, Left, Aisle 1
AL*(1)	Aux Live, Right, Aisle 1	*AL(1)	Aux Live, Left, Aisle 1
AL*>(2)	Auxiliary Live Load, Right, Right, Aisle 2	*AL>(2)	Auxiliary Live Load, Right, Left, Aisle 2
<AL*(2)	Auxiliary Live Load, Left, Right, Aisle 2	<*AL(2)	Auxiliary Live Load, Left, Left, Aisle 2
AL*(2)	Aux Live, Right, Aisle 2	*AL(2)	Aux Live, Left, Aisle 2
AL*>(3)	Auxiliary Live Load, Right, Right, Aisle 3	*AL>(3)	Auxiliary Live Load, Right, Left, Aisle 3
<AL*(3)	Auxiliary Live Load, Left, Right, Aisle 3	<*AL(3)	Auxiliary Live Load, Left, Left, Aisle 3
AL*(3)	Aux Live, Right, Aisle 3	*AL(3)	Aux Live, Left, Aisle 3
AL*>(4)	Auxiliary Live Load, Right, Right, Aisle 4	*AL>(4)	Auxiliary Live Load, Right, Left, Aisle 4
<AL*(4)	Auxiliary Live Load, Left, Right, Aisle 4	<*AL(4)	Auxiliary Live Load, Left, Left, Aisle 4
AL*(4)	Aux Live, Right, Aisle 4	*AL(4)	Aux Live, Left, Aisle 4
AL*>(5)	Auxiliary Live Load, Right, Right, Aisle 5	*AL>(5)	Auxiliary Live Load, Right, Left, Aisle 5
<AL*(5)	Auxiliary Live Load, Left, Right, Aisle 5	<*AL(5)	Auxiliary Live Load, Left, Left, Aisle 5
AL*(5)	Aux Live, Right, Aisle 5	*AL(5)	Aux Live, Left, Aisle 5
ALB	Aux Live Bracing Reaction	ALB>	Aux Live Bracing Reaction, Right
<ALB	Aux Live Bracing Reaction, Left	WALB>	Wind, Aux Live Bracing Reaction, Right
<WALB	Wind, Aux Live Bracing Reaction, Left	ALB>(1)	Aux Live Bracing Reaction, Right, Aisle 1
<ALB(1)	Aux Live Bracing Reaction, Left, Aisle 1	WALB>(1)	Wind, Aux Live Bracing Reaction, Right, Aisle 1
<WALB(1)	Wind, Aux Live Bracing Reaction, Left, Aisle 1	ALB>(2)	Aux Live Bracing Reaction, Right, Aisle 2
<ALB(2)	Aux Live Bracing Reaction, Left, Aisle 2	WALB>(2)	Wind, Aux Live Bracing Reaction, Right, Aisle 2
<WALB(2)	Wind, Aux Live Bracing Reaction, Left, Aisle 2	ALB>(3)	Aux Live Bracing Reaction, Right, Aisle 3
<ALB(3)	Aux Live Bracing Reaction, Left, Aisle 3	WALB>(3)	Wind, Aux Live Bracing Reaction, Right, Aisle 3
<WALB(3)	Wind, Aux Live Bracing Reaction, Left, Aisle 3	ALB>(4)	Aux Live Bracing Reaction, Right, Aisle 4
<ALB(4)	Aux Live Bracing Reaction, Left, Aisle 4	WALB>(4)	Wind, Aux Live Bracing Reaction, Right, Aisle 4
<WALB(4)	Wind, Aux Live Bracing Reaction, Left, Aisle 4	ALB>(5)	Aux Live Bracing Reaction, Right, Aisle 5
<ALB(5)	Aux Live Bracing Reaction, Left, Aisle 5	WALB>(5)	Wind, Aux Live Bracing Reaction, Right, Aisle 5
<WALB(5)	Wind, Aux Live Bracing Reaction, Left, Aisle 5	WALB	Wind, Aux Live Bracing Reaction
AD	Auxiliary Dead Load	U0	User Defined Load
U1	User Defined Load - 1	U2	User Defined Load - 2
U3	User Defined Load - 3	U4	User Defined Load - 4
U5	User Defined Load - 5	U6	User Defined Load - 6
U7	User Defined Load - 7	U8	User Defined Load - 8
U9	User Defined Load - 9	UB	User Brace Reaction
UB1	User Brace Reaction - 1	UB2	User Brace Reaction - 2
UB3	User Brace Reaction - 3	UB4	User Brace Reaction - 4
UB5	User Brace Reaction - 5	UB6	User Brace Reaction - 6
UB7	User Brace Reaction - 7	UB8	User Brace Reaction - 8
UB9	User Brace Reaction - 9	R	Rain Load
T	Temperature Load	V	Shear





# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

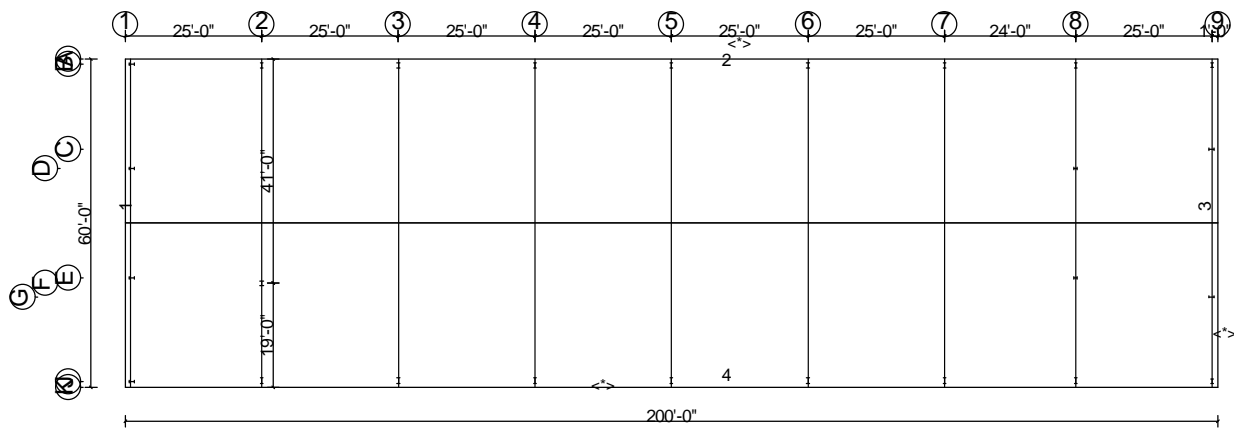
Page: 17 of 46

### Overall Building Description

Shape	Overall Width	Overall Length	Floor Area (sq. ft.)	Wall Area (sq. ft.)	Roof Area (sq. ft.)	Max. Eave Height	Min. Eave Height 2	Max. Roof Pitch	Min. Roof Pitch	Peak Height
Schnitzer Northeast	60/0/0	200/0/0	12000	13150	12310	25/0/0	25/0/0	1.000:12	1.000:12	27/6/0

### Overall Shape Description

Roof 1	Roof 2	From Grid	To Grid	Width	Length	Eave Ht.	Eave Ht. 2	Pitch	Pitch 2	Dist. to Ridge	Peak Height
A	B	1-A	1-K	60/0/0	200/0/0	25/0/0	25/0/0	1.000:12	1.000:12	30/0/0	27/6/0



<\*> The building is designed with bracing diagonals in the designated bays. Column base reactions, base plates and anchor rods are affected by this bracing and diagonals may not be relocated without consulting the building supplier's engineer.



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 18 of 46

**Wall: 4, Frame at: 1/0/0**

**Design Load Combinations - Framing**

No.	Origin	Factor	Application	Description
1	System	1.000	1.0 D + 1.0 CG + 1.0 L	D + CG + L
2	System	1.000	1.0 D + 1.0 CG + 1.0 ASL^	D + CG + ASL^
3	System	1.000	1.0 D + 1.0 CG + 1.0 ^ASL	D + CG + ^ASL
8	System	1.000	1.0 D + 1.0 CG + 1.0 S	D + CG + S
9	System	1.000	1.0 D + 1.0 CG + 1.0 S + 1.0 SD	D + CG + S + SD
10	System	1.000	1.0 D + 1.0 CG + 1.0 US1*	D + CG + US1*
11	System	1.000	1.0 D + 1.0 CG + 1.0 *US1	D + CG + *US1
12	System	1.000	1.0 D + 1.0 CG + 1.0 W1>	D + CG + W1>
13	System	1.000	1.0 D + 1.0 CG + 1.0 <W1	D + CG + <W1
14	System	1.000	1.0 D + 1.0 CG + 1.0 W2>	D + CG + W2>
15	System	1.000	1.0 D + 1.0 CG + 1.0 <W2	D + CG + <W2
16	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W1>	D + CG + L + W1>
17	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W1	D + CG + L + <W1
18	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W2>	D + CG + L + W2>
19	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W2	D + CG + L + <W2
20	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W1>	D + CG + S + W1>
21	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W1	D + CG + S + <W1
22	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W2>	D + CG + S + W2>
23	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W2	D + CG + S + <W2
24	System	1.000	0.600 D + 0.600 CU + 1.0 W1>	D + CU + W1>
25	System	1.000	0.600 D + 0.600 CU + 1.0 <W1	D + CU + <W1
26	System	1.000	0.600 D + 0.600 CU + 1.0 W2>	D + CU + W2>
27	System	1.000	0.600 D + 0.600 CU + 1.0 <W2	D + CU + <W2
28	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 E> + 0.750 EG+	D + CG + L + E> + EG+
29	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <E + 0.750 EG+	D + CG + L + <E + EG+
30	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 E> + 0.700 EG+	D + CG + S + E> + EG+
31	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <E + 0.700 EG+	D + CG + S + <E + EG+
32	System	1.000	0.600 D + 0.600 CU + 0.700 E> + 0.700 EG-	D + CU + E> + EG-
33	System	1.000	0.600 D + 0.600 CU + 0.700 <E + 0.700 EG-	D + CU + <E + EG-
34	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 EB> + 0.750 EG+	D + CG + L + EB> + EG+
35	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 EB> + 0.700 EG+	D + CG + S + EB> + EG+
36	System Derived	1.000	0.600 D + 0.600 CU + 0.700 EB> + 0.700 EG-	D + CU + EB> + EG-
37	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <EB + 0.750 EG+	D + CG + L + <EB + EG+
38	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <EB + 0.700 EG+	D + CG + S + <EB + EG+
39	System Derived	1.000	0.600 D + 0.600 CU + 0.700 <EB + 0.700 EG-	D + CU + <EB + EG-
40	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA1	D + CG + WPA1
41	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPA1	D + CG + L + WPA1
42	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA1	D + CG + S + WPA1
43	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA1	D + CU + WPA1
44	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD1	D + CG + WPD1
45	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPD1	D + CG + L + WPD1
46	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD1	D + CG + S + WPD1
47	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD1	D + CU + WPD1
48	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA2	D + CG + WPA2
49	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPA2	D + CG + L + WPA2
50	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA2	D + CG + S + WPA2
51	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA2	D + CU + WPA2
52	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD2	D + CG + WPD2
53	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPD2	D + CG + L + WPD2
54	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD2	D + CG + S + WPD2
55	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD2	D + CU + WPD2
56	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB1	D + CG + WPB1
57	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPB1	D + CG + L + WPB1
58	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB1	D + CG + S + WPB1
59	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB1	D + CU + WPB1
60	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC1	D + CG + WPC1
61	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPC1	D + CG + L + WPC1
62	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC1	D + CG + S + WPC1
63	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC1	D + CU + WPC1
64	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB2	D + CG + WPB2
65	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPB2	D + CG + L + WPB2
66	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB2	D + CG + S + WPB2
67	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB2	D + CU + WPB2
68	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC2	D + CG + WPC2



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 19 of 46

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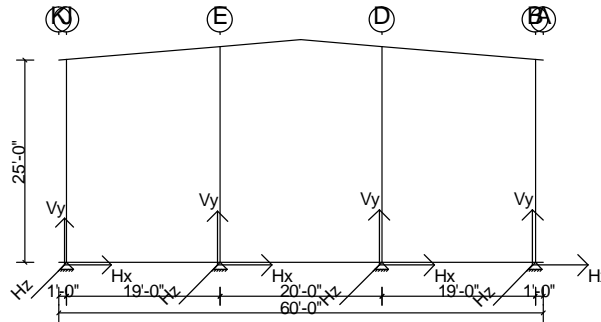
69	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPC2	D + CG + L + WPC2
70	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC2	D + CG + S + WPC2
71	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC2	D + CU + WPC2

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**Wall: 4, Frame at: 1/0/0**

Frame ID: Post & Beam

Frame Type: Post & Beam



Values shown are resisting forces of the foundation.

Base Connection Design is Based on 3000.0 (psi) Concrete

**Reactions - Unfactored Load Type at Frame Cross Section: 1**

Type		Interior Column			Interior Column			Interior Column			Interior Column		
X-Loc		1/0/0			20/0/0			40/0/0			59/0/0		
Grid1 - Grid2		1-J			1-E			1-D			1-B		
Base Plate W x L (in.)		8 x 12			8 x 12			8 x 12			8 x 12		
Base Plate Thickness (in.)		0.375			0.375			0.375			0.375		
Anchor Rod Qty/Diam. (in.)		4 - 0.750			4 - 0.750			4 - 0.750			4 - 0.750		
Column Base Elev.		100'-0"			100'-0"			100'-0"			100'-0"		
Load Type	Desc.	Hx	Hx	Vy	Hx	Hx	Vy	Hx	Hx	Vy	Hx	Hx	Vy
D	Frm	-	-0.1	1.0	-	-0.1	1.9	-	-0.1	1.9	-	-0.1	1.0
CG	Frm	-	-0.0	0.5	-	-0.0	1.1	-	-0.0	1.1	-	-0.0	0.5
L	Frm	-	-0.1	2.9	-	-0.2	6.7	-	-0.2	6.7	-	-0.1	2.9
ASL^	Frm	-	-	2.2	-	-	2.6	-	-	2.6	-	-	2.2
^ASL	Frm	-	-	-	-	-	2.7	-	-	2.7	-	-	-
S	Frm	-	-0.3	5.9	-	-0.5	13.7	-	-0.5	13.7	-	-0.3	5.9
SD	Frm	-	-0.8	4.8	-	-1.4	8.9	-	-1.4	8.9	-	-0.8	4.8
US1*	Frm	-	-	1.2	-	-	3.8	-	-	16.9	-	-	7.1
*US1	Frm	-	-	7.1	-	-	16.9	-	-	3.8	-	-	1.2
W1>	Frm	-	2.3	-2.8	-	4.4	-6.5	-	4.4	-4.2	-	2.3	-1.8
<W1	Frm	-	-1.7	-1.8	-	-3.4	-4.4	-	-3.4	-6.7	-	-1.7	-2.8
W2>	Frm	-	0.2	-2.0	-	0.3	-4.6	-	0.3	-2.4	-	0.2	-1.0
<W2	Frm	-	0.2	-1.0	-	0.3	-2.6	-	0.3	-4.8	-	0.2	-2.1
CU	Frm	-	-	-	-	-	-	-	-	-	-	-	-
E>	Frm	-	-0.0	-0.0	-	-0.0	-0.1	-	-0.0	-0.1	-	-0.0	-0.0
EG+	Frm	-	-	0.1	-	-	0.2	-	-	0.2	-	-	0.1
<E	Frm	-	0.0	0.0	-	0.0	0.1	-	0.0	0.1	-	0.0	0.0
EG-	Frm	-	-	-0.1	-	-	-0.2	-	-	-0.2	-	-	-0.1
EB>	Brc	-	-	-	-	-	-	-	-	-	-	-	-
<EB	Brc	-	-	-	-	-	-	-	-	-	-	-	-
WPA1	Brc	-	-0.3	-3.4	-	-0.5	-6.3	-	-0.4	-5.6	-	-0.2	-2.3
WPD1	Brc	-	-0.1	-1.9	-	-0.3	-3.8	-	-0.3	-3.8	-	-0.3	-1.9
WPA2	Brc	-	-0.3	-2.6	-	-0.3	-4.0	-	-0.3	-3.3	-	-0.1	-1.5
WPD2	Brc	-	-0.1	-1.1	-	-0.1	-1.5	-	-0.2	-1.4	-	-0.3	-1.1
WPB1	Brc	-	-0.3	-2.6	-	-0.5	-5.8	-	-0.4	-6.2	-	-0.2	-3.0
WPC1	Brc	-	-0.1	-1.6	-	-0.3	-3.6	-	-0.3	-4.0	-	-0.3	-2.2
WPB2	Brc	-	-0.3	-1.8	-	-0.3	-3.4	-	-0.3	-3.8	-	-0.1	-2.2
WPC2	Brc	-	-0.1	-0.8	-	-0.1	-1.3	-	-0.2	-1.7	-	-0.3	-1.4

**Frame Reactions - Factored Load Cases at Frame Cross Section: 1**



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 21 of 46

X-Loc		1/0/0			20/0/0			40/0/0			59/0/0			
Grid1 - Grid2		1-J			1-E			1-D			1-B			
Ld	Description	Hx	Hz	Vy	Hx	Hz	Vy	Hx	Hz	Vy	Hx	Hz	Vy	
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	
1	D + CG + L	-	-0.2	4.4	-	-0.3	9.7	-	-0.3	9.7	-	-0.2	4.4	-
2	D + CG + ASL^	-	-0.1	3.6	-	-0.1	5.6	-	-0.1	5.6	-	-0.1	3.6	-
3	D + CG + ^ASL	-	-0.1	1.5	-	-0.1	5.7	-	-0.1	5.7	-	-0.1	1.5	-
8	D + CG + S	-	-0.4	7.4	-	-0.6	16.7	-	-0.6	16.7	-	-0.4	7.4	-
9	D + CG + S + SD	-	-1.2	12.2	-	-2.1	25.6	-	-2.1	25.6	-	-1.2	12.2	-
10	D + CG + US1*	-	-0.1	2.7	-	-0.1	6.8	-	-0.1	20.0	-	-0.1	8.6	-
11	D + CG + *US1	-	-0.1	8.6	-	-0.1	20.0	-	-0.1	6.8	-	-0.1	2.7	-
12	D + CG + W1>	-	2.2	-1.3	-	4.3	-3.5	-	4.3	-1.2	-	2.2	-0.3	-
13	D + CG + <W1	-	-1.8	-0.3	-	-3.5	-1.4	-	-3.5	-3.7	-	-1.8	-1.3	-
14	D + CG + W2>	-	0.1	-0.5	-	0.1	-1.6	-	0.1	0.7	-	0.1	0.5	-
15	D + CG + <W2	-	0.1	0.5	-	0.2	0.5	-	0.2	-1.8	-	0.1	-0.6	-
16	D + CG + L + W1>	-	1.6	1.6	-	3.0	3.2	-	3.0	4.9	-	1.6	2.3	-
17	D + CG + L + <W1	-	-1.5	2.3	-	-2.8	4.7	-	-2.8	3.0	-	-1.5	1.6	-
18	D + CG + L + W2>	-	-0.1	2.1	-	-0.1	4.6	-	-0.1	6.3	-	-0.1	2.9	-
19	D + CG + L + <W2	-	-0.0	2.9	-	-0.0	6.1	-	-0.0	4.4	-	-0.0	2.1	-
20	D + CG + S + W1>	-	1.4	3.8	-	2.8	8.4	-	2.8	10.1	-	1.4	4.6	-
21	D + CG + S + <W1	-	-1.6	4.6	-	-3.0	9.9	-	-3.0	8.2	-	-1.6	3.8	-
22	D + CG + S + W2>	-	-0.2	4.4	-	-0.3	9.8	-	-0.3	11.5	-	-0.2	5.1	-
23	D + CG + S + <W2	-	-0.2	5.1	-	-0.2	11.3	-	-0.2	9.6	-	-0.2	4.4	-
24	D + CU + W1>	-	2.3	-2.2	-	4.4	-5.3	-	4.4	-3.1	-	2.3	-1.1	-
25	D + CU + <W1	-	-1.8	-1.2	-	-3.4	-3.3	-	-3.4	-5.5	-	-1.8	-2.2	-
26	D + CU + W2>	-	0.1	-1.4	-	0.2	-3.5	-	0.2	-1.2	-	0.1	-0.4	-
27	D + CU + <W2	-	0.1	-0.4	-	0.3	-1.4	-	0.3	-3.7	-	0.1	-1.4	-
28	D + CG + L + E> + EG+	-	-0.2	3.7	-	-0.3	8.2	-	-0.3	8.2	-	-0.2	3.7	-
29	D + CG + L + <E + EG+	-	-0.2	3.8	-	-0.3	8.3	-	-0.3	8.3	-	-0.2	3.8	-
30	D + CG + S + E> + EG+	-	-0.1	2.4	-	-0.2	5.2	-	-0.2	5.2	-	-0.1	2.4	-
31	D + CG + S + <E + EG+	-	-0.1	2.5	-	-0.2	5.3	-	-0.2	5.3	-	-0.1	2.5	-
32	D + CU + E> + EG-	-	-0.0	0.5	-	-0.1	0.9	-	-0.1	0.9	-	-0.0	0.5	-
33	D + CU + <E + EG-	-	-0.0	0.6	-	-0.0	1.1	-	-0.0	1.1	-	-0.0	0.6	-
34	D + CG + L + EB> + EG+	-	-0.2	3.7	-	-0.3	8.2	-	-0.3	8.2	-	-0.2	3.7	-
35	D + CG + S + EB> + EG+	-	-0.1	2.5	-	-0.2	5.2	-	-0.2	5.2	-	-0.1	2.5	-
36	D + CU + EB> + EG-	-	-0.0	0.5	-	-0.0	1.0	-	-0.0	1.0	-	-0.0	0.5	-
37	D + CG + L + <EB + EG+	-	-0.2	3.7	-	-0.3	8.2	-	-0.3	8.2	-	-0.2	3.7	-
38	D + CG + S + <EB + EG+	-	-0.1	2.5	-	-0.2	5.2	-	-0.2	5.2	-	-0.1	2.5	-
39	D + CU + <EB + EG-	-	-0.0	0.5	-	-0.0	1.0	-	-0.0	1.0	-	-0.0	0.5	-
40	D + CG + WPA1	-	-0.4	-1.9	-	-0.6	-3.3	-	-0.5	-2.6	-	-0.2	-0.8	-
41	D + CG + L + WPA1	-	-0.4	1.1	-	-0.6	3.3	-	-0.6	3.8	-	-0.3	2.0	-
42	D + CG + S + WPA1	-	-0.5	3.4	-	-0.9	8.6	-	-0.8	9.0	-	-0.4	4.2	-
43	D + CU + WPA1	-	-0.3	-2.7	-	-0.5	-5.1	-	-0.5	-4.5	-	-0.2	-1.6	-
44	D + CG + WPD1	-	-0.2	-0.4	-	-0.4	-0.8	-	-0.5	-0.7	-	-0.4	-0.4	-
45	D + CG + L + WPD1	-	-0.3	2.3	-	-0.5	5.2	-	-0.5	5.2	-	-0.4	2.2	-
46	D + CG + S + WPD1	-	-0.4	4.5	-	-0.7	10.4	-	-0.8	10.5	-	-0.5	4.5	-
47	D + CU + WPD1	-	-0.2	-1.2	-	-0.3	-2.7	-	-0.4	-2.6	-	-0.3	-1.3	-
48	D + CG + WPA2	-	-0.3	-1.1	-	-0.4	-1.0	-	-0.4	-0.3	-	-0.2	0.0	-
49	D + CG + L + WPA2	-	-0.4	1.7	-	-0.5	5.1	-	-0.5	5.6	-	-0.3	2.6	-
50	D + CG + S + WPA2	-	-0.5	4.0	-	-0.7	10.3	-	-0.7	10.8	-	-0.4	4.8	-
51	D + CU + WPA2	-	-0.3	-2.0	-	-0.4	-2.8	-	-0.3	-2.1	-	-0.2	-0.9	-
52	D + CG + WPD2	-	-0.2	0.4	-	-0.2	1.5	-	-0.3	1.6	-	-0.3	0.4	-
53	D + CG + L + WPD2	-	-0.3	2.9	-	-0.4	6.9	-	-0.4	7.0	-	-0.4	2.8	-
54	D + CG + S + WPD2	-	-0.4	5.1	-	-0.6	12.1	-	-0.6	12.2	-	-0.5	5.1	-
55	D + CU + WPD2	-	-0.2	-0.5	-	-0.2	-0.4	-	-0.2	-0.3	-	-0.3	-0.5	-
56	D + CG + WPB1	-	-0.4	-1.1	-	-0.6	-2.7	-	-0.5	-3.1	-	-0.2	-1.5	-
57	D + CG + L + WPB1	-	-0.4	1.7	-	-0.6	3.7	-	-0.6	3.4	-	-0.3	1.4	-
58	D + CG + S + WPB1	-	-0.5	3.9	-	-0.9	8.9	-	-0.8	8.7	-	-0.4	3.7	-
59	D + CU + WPB1	-	-0.3	-2.0	-	-0.5	-4.6	-	-0.5	-5.0	-	-0.2	-2.4	-
60	D + CG + WPC1	-	-0.2	-0.1	-	-0.4	-0.6	-	-0.5	-1.0	-	-0.4	-0.7	-
61	D + CG + L + WPC1	-	-0.3	2.5	-	-0.5	5.3	-	-0.5	5.1	-	-0.4	2.0	-
62	D + CG + S + WPC1	-	-0.4	4.7	-	-0.7	10.5	-	-0.8	10.3	-	-0.5	4.2	-
63	D + CU + WPC1	-	-0.2	-0.9	-	-0.3	-2.5	-	-0.4	-2.8	-	-0.3	-1.6	-
64	D + CG + WPB2	-	-0.3	-0.4	-	-0.4	-0.4	-	-0.4	-0.8	-	-0.2	-0.7	-
65	D + CG + L + WPB2	-	-0.4	2.3	-	-0.5	5.5	-	-0.5	5.2	-	-0.3	2.0	-
66	D + CG + S + WPB2	-	-0.5	4.5	-	-0.7	10.7	-	-0.7	10.4	-	-0.4	4.2	-
67	D + CU + WPB2	-	-0.3	-1.2	-	-0.4	-2.3	-	-0.3	-2.7	-	-0.2	-1.6	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 22 of 46

68	D + CG + WPC2	-	-0.2	0.7	-	-0.2	1.7	-	-0.3	1.4	-	-0.3	0.1	-
69	D + CG + L + WPC2	-	-0.3	3.1	-	-0.4	7.1	-	-0.4	6.8	-	-0.4	2.6	-
70	D + CG + S + WPC2	-	-0.4	5.3	-	-0.6	12.3	-	-0.6	12.0	-	-0.5	4.8	-
71	D + CU + WPC2	-	-0.2	-0.2	-	-0.2	-0.1	-	-0.2	-0.5	-	-0.3	-0.8	-

**Maximum Combined Reactions Summary with Factored Loads - Framing**

X-Loc	Grid	Hz left (-Hx) (k)	Load Case	Hz Right (Hx) (k)	Load Case	Hz In (-Hz) (k)	Load Case	Hz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
1/0/0	1-J	-	-	-	-	1.8	13	2.3	24	2.7	43	12.2	9	-	-	-	-
20/0/0	1-E	-	-	-	-	3.5	13	4.4	24	5.3	24	25.6	9	-	-	-	-
40/0/0	1-D	-	-	-	-	3.5	13	4.4	24	5.5	25	25.6	9	-	-	-	-
59/0/0	1-B	-	-	-	-	1.8	13	2.3	24	2.4	59	12.2	9	-	-	-	-

**Bracing**

X-Loc	Grid	Description
1/0/0	1-J	Diagonal bracing at base is attached to column. Reactions ARE included with frame reactions.
20/0/0	1-E	Diagonal bracing at base is attached to column. Reactions ARE included with frame reactions.



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 23 of 46

## Wall: 4, Frame at: 25/0/0

### Design Load Combinations - Framing

No.	Origin	Factor	Application	Description
1	System	1.000	1.0 D + 1.0 CG + 1.0 L	D + CG + L
2	System	1.000	1.0 D + 1.0 CG + 1.0 ASL^	D + CG + ASL^
3	System	1.000	1.0 D + 1.0 CG + 1.0 ^ASL	D + CG + ^ASL
4	System	1.000	1.0 D + 1.0 CG + 1.0 S	D + CG + S
5	System	1.000	1.0 D + 1.0 CG + 1.0 S + 1.0 SD	D + CG + S + SD
6	System	1.000	1.0 D + 1.0 CG + 1.0 US1*	D + CG + US1*
7	System	1.000	1.0 D + 1.0 CG + 1.0 *US1	D + CG + *US1
8	System	1.000	1.0 D + 1.0 CG + 1.0 W1>	D + CG + W1>
9	System	1.000	1.0 D + 1.0 CG + 1.0 <W1	D + CG + <W1
10	System	1.000	1.0 D + 1.0 CG + 1.0 W2>	D + CG + W2>
11	System	1.000	1.0 D + 1.0 CG + 1.0 <W2	D + CG + <W2
12	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W1>	D + CG + L + W1>
13	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W1	D + CG + L + <W1
14	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W2>	D + CG + L + W2>
15	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W2	D + CG + L + <W2
16	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W1>	D + CG + S + W1>
17	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W1	D + CG + S + <W1
18	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W2>	D + CG + S + W2>
19	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W2	D + CG + S + <W2
20	System	1.000	0.600 D + 0.600 CU + 1.0 W1>	D + CU + W1>
21	System	1.000	0.600 D + 0.600 CU + 1.0 <W1	D + CU + <W1
22	System	1.000	0.600 D + 0.600 CU + 1.0 W2>	D + CU + W2>
23	System	1.000	0.600 D + 0.600 CU + 1.0 <W2	D + CU + <W2
24	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 E> + 0.750 EG+	D + CG + L + E> + EG+
25	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <E + 0.750 EG+	D + CG + L + <E + EG+
26	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 E> + 0.700 EG+	D + CG + S + E> + EG+
27	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <E + 0.700 EG+	D + CG + S + <E + EG+
28	System	1.000	0.600 D + 0.600 CU + 0.700 E> + 0.700 EG-	D + CU + E> + EG-
29	System	1.000	0.600 D + 0.600 CU + 0.700 <E + 0.700 EG-	D + CU + <E + EG-
30	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 EB> + 0.750 EG+	D + CG + L + EB> + EG+
31	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 EB> + 0.700 EG+	D + CG + S + EB> + EG+
32	System Derived	1.000	0.600 D + 0.600 CU + 0.700 EB> + 0.700 EG-	D + CU + EB> + EG-
33	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <EB + 0.750 EG+	D + CG + L + <EB + EG+
34	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <EB + 0.700 EG+	D + CG + S + <EB + EG+
35	System Derived	1.000	0.600 D + 0.600 CU + 0.700 <EB + 0.700 EG-	D + CU + <EB + EG-
36	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA1	D + CG + WPA1
37	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPA1	D + CG + L + WPA1
38	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA1	D + CG + S + WPA1
39	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA1	D + CU + WPA1
40	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD1	D + CG + WPD1
41	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPD1	D + CG + L + WPD1
42	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD1	D + CG + S + WPD1
43	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD1	D + CU + WPD1
44	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA2	D + CG + WPA2
45	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPA2	D + CG + L + WPA2
46	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA2	D + CG + S + WPA2
47	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA2	D + CU + WPA2
48	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD2	D + CG + WPD2
49	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPD2	D + CG + L + WPD2
50	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD2	D + CG + S + WPD2
51	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD2	D + CU + WPD2
52	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB1	D + CG + WPB1
53	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPB1	D + CG + L + WPB1
54	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB1	D + CG + S + WPB1
55	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB1	D + CU + WPB1
56	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC1	D + CG + WPC1
57	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPC1	D + CG + L + WPC1
58	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC1	D + CG + S + WPC1
59	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC1	D + CU + WPC1
60	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB2	D + CG + WPB2
61	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPB2	D + CG + L + WPB2
62	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB2	D + CG + S + WPB2
63	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB2	D + CU + WPB2
64	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC2	D + CG + WPC2



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 24 of 46

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65	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPC2	D + CG + L + WPC2
66	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC2	D + CG + S + WPC2
67	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC2	D + CU + WPC2

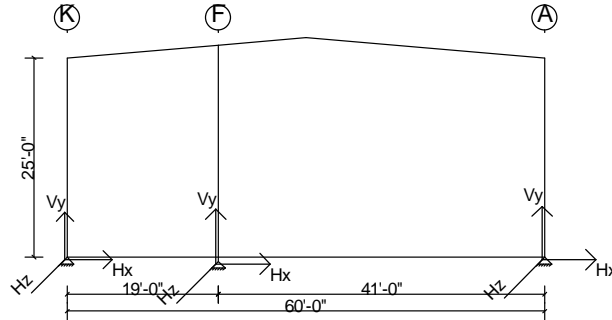
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**Wall: 4, Frame at: 25/0/0**

Frame ID:CB 1

Frame Type:Continuous Beam



Values shown are resisting forces of the foundation.

Base Connection Design is Based on 3000.0 (psi) Concrete

**Reactions - Unfactored Load Type at Frame Cross Section: 2**

Type		Exterior Column		Interior Column		Exterior Column			
X-Loc		0/0/0		19/0/0		60/0/0			
Grid1 - Grid2		2-K		2-F		2-A			
Base Plate W x L (in.)		8 x 13		9 x 11		8 x 13			
Base Plate Thickness (in.)		0.375		0.375		0.375			
Anchor Rod Qty/Diam. (in.)		4 - 0.750		4 - 0.750		4 - 0.750			
Column Base Elev.		100'-0"		99'-6"		100'-0"			
Load Type	Desc.	Hx	Vy	Hx	Vy	Hx	Vy		
D	Frm	0.1	0.4	-	4.8	-0.1	2.0	-	-
CG	Frm	0.0	0.0	-	3.1	-0.0	1.2	-	-
L	Frm	0.2	0.8	-	13.2	-0.2	4.9	-	-
ASL^	Frm	0.1	-2.7	-	9.8	-0.1	5.0	-	-
^ASL	Frm	0.0	3.5	-	3.4	-0.0	-0.1	-	-
S	Frm	0.5	0.5	-	39.5	-0.5	15.6	-	-
SD	Frm	-	-	-	-	-	-	-	-
US1*	Frm	0.7	-8.7	-	37.8	-0.7	25.5	-	-
*US1	Frm	0.3	9.6	-	39.9	-0.3	5.1	-	-
W1>	Frm	-4.9	-3.5	-	-13.8	-7.1	-2.8	-	-
<W1	Frm	6.8	2.3	-	-13.5	5.1	-8.9	-	-
W2>	Frm	-8.1	-2.0	-	-8.9	-3.8	0.6	-	-
<W2	Frm	3.5	3.8	-	-8.5	8.4	-5.5	-	-
CU	Frm	-	-	-	-	-	-	-	-
E>	Frm	-3.9	-1.6	-	-0.0	-3.7	1.6	-	-
EG+	Frm	-	-	-	0.7	-	0.3	-	-
<E	Frm	3.9	1.6	-	0.0	3.7	-1.6	-	-
EG-	Frm	-	-	-	-0.7	-	-0.3	-	-
EB>	Brc	-	-	-	-	-	-	-	-
<EB	Brc	-	-	-	-	-	-	-	-
WPA1	Brc	5.6	-4.0	-	-14.0	-5.5	-7.8	-	-
WPD1	Brc	5.7	-3.2	-	-7.4	-5.6	-5.3	-	-
WPA2	Brc	2.4	-2.6	-	-9.0	-2.3	-4.4	-	-
WPD2	Brc	2.5	-1.7	-	-2.4	-2.4	-1.9	-	-
WPB1	Brc	5.5	-2.5	-	-13.9	-5.6	-9.4	-	-
WPC1	Brc	5.6	-2.5	-	-7.3	-5.7	-6.0	-	-
WPB2	Brc	2.2	-1.1	-	-8.9	-2.4	-6.0	-	-
WPC2	Brc	2.4	-1.1	-	-2.4	-2.5	-2.6	-	-

**Frame Reactions - Factored Load Cases at Frame Cross Section: 2**



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 26 of 46

X-Loc		0/0/0		19/0/0		60/0/0			
Grid1 - Grid2		2-K		2-F		2-A			
Ld	Description	Hx	Vy	Hx	Vy	Hx	Vy		
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)		
1	D + CG + L	0.3	1.3	-	21.1	-0.3	8.2	-	-
2	D + CG + ASL^	0.2	-2.2	-	17.7	-0.2	8.2	-	-
3	D + CG + ^ASL	0.1	4.0	-	11.3	-0.1	3.2	-	-
4	D + CG + S	0.6	1.0	-	47.4	-0.6	18.8	-	-
5	D + CG + S + SD	0.6	1.0	-	47.4	-0.6	18.8	-	-
6	D + CG + US1*	0.8	-8.2	-	45.7	-0.8	28.8	-	-
7	D + CG + *US1	0.3	10.1	-	47.9	-0.3	8.3	-	-
8	D + CG + W1>	-4.8	-3.0	-	-5.9	-7.2	0.5	-	-
9	D + CG + <W1	6.9	2.7	-	-5.5	5.0	-5.7	-	-
10	D + CG + W2>	-8.1	-1.5	-	-0.9	-3.9	3.9	-	-
11	D + CG + <W2	3.6	4.2	-	-0.6	8.3	-2.3	-	-
12	D + CG + L + W1>	-3.4	-1.6	-	7.4	-5.5	4.9	-	-
13	D + CG + L + <W1	5.3	2.8	-	7.7	3.6	0.3	-	-
14	D + CG + L + W2>	-5.9	-0.4	-	11.1	-3.1	7.4	-	-
15	D + CG + L + <W2	2.9	3.9	-	11.4	6.1	2.8	-	-
16	D + CG + S + W1>	-3.2	-1.8	-	27.2	-5.8	12.9	-	-
17	D + CG + S + <W1	5.6	2.6	-	27.4	3.4	8.3	-	-
18	D + CG + S + W2>	-5.6	-0.7	-	30.9	-3.3	15.4	-	-
19	D + CG + S + <W2	3.1	3.7	-	31.2	5.8	10.8	-	-
20	D + CU + W1>	-4.8	-3.3	-	-11.0	-7.1	-1.6	-	-
21	D + CU + <W1	6.9	2.5	-	-10.6	5.1	-7.7	-	-
22	D + CU + W2>	-8.1	-1.8	-	-6.0	-3.8	1.8	-	-
23	D + CU + <W2	3.6	4.0	-	-5.7	8.4	-4.3	-	-
24	D + CG + L + E> + EG+	-2.7	-0.1	-	18.3	-3.0	8.4	-	-
25	D + CG + L + <E + EG+	3.1	2.3	-	18.3	2.6	6.0	-	-
26	D + CG + S + E> + EG+	-2.8	-0.6	-	14.3	-3.0	7.0	-	-
27	D + CG + S + <E + EG+	3.1	1.7	-	14.4	2.6	4.6	-	-
28	D + CU + E> + EG-	-2.7	-0.8	-	2.4	-2.6	2.1	-	-
29	D + CU + <E + EG-	2.8	1.4	-	2.4	2.6	-0.1	-	-
30	D + CG + L + EB> + EG+	0.2	1.1	-	18.3	-0.2	7.2	-	-
31	D + CG + S + EB> + EG+	0.2	0.6	-	14.3	-0.2	5.8	-	-
32	D + CU + EB> + EG-	0.0	0.3	-	2.4	-0.0	1.0	-	-
33	D + CG + L + <EB + EG+	0.2	1.1	-	18.3	-0.2	7.2	-	-
34	D + CG + S + <EB + EG+	0.2	0.6	-	14.3	-0.2	5.8	-	-
35	D + CU + <EB + EG-	0.0	0.3	-	2.4	-0.0	1.0	-	-
36	D + CG + WPA1	5.7	-3.6	-	-6.0	-5.6	-4.5	-	-
37	D + CG + L + WPA1	4.4	-1.9	-	7.3	-4.3	1.1	-	-
38	D + CG + S + WPA1	4.7	-2.2	-	27.1	-4.6	9.1	-	-
39	D + CU + WPA1	5.7	-3.8	-	-11.1	-5.5	-6.6	-	-
40	D + CG + WPD1	5.8	-2.7	-	0.5	-5.7	-2.1	-	-
41	D + CG + L + WPD1	4.5	-1.3	-	12.3	-4.4	3.0	-	-
42	D + CG + S + WPD1	4.7	-1.5	-	32.0	-4.7	10.9	-	-
43	D + CU + WPD1	5.7	-2.9	-	-4.5	-5.6	-4.1	-	-
44	D + CG + WPA2	2.5	-2.1	-	-1.1	-2.3	-1.2	-	-
45	D + CG + L + WPA2	2.0	-0.8	-	11.0	-1.9	3.6	-	-
46	D + CG + S + WPA2	2.3	-1.1	-	30.8	-2.2	11.6	-	-
47	D + CU + WPA2	2.5	-2.3	-	-6.1	-2.3	-3.2	-	-
48	D + CG + WPD2	2.6	-1.2	-	5.5	-2.5	1.3	-	-
49	D + CG + L + WPD2	2.1	-0.2	-	16.0	-2.0	5.5	-	-
50	D + CG + S + WPD2	2.3	-0.4	-	35.7	-2.3	13.5	-	-
51	D + CU + WPD2	2.5	-1.4	-	0.5	-2.4	-0.7	-	-
52	D + CG + WPB1	5.5	-2.1	-	-5.9	-5.7	-6.2	-	-
53	D + CG + L + WPB1	4.3	-0.8	-	7.4	-4.4	-0.1	-	-
54	D + CG + S + WPB1	4.6	-1.1	-	27.2	-4.7	7.9	-	-
55	D + CU + WPB1	5.5	-2.3	-	-11.0	-5.7	-8.2	-	-
56	D + CG + WPC1	5.7	-2.0	-	0.6	-5.8	-2.7	-	-
57	D + CG + L + WPC1	4.4	-0.8	-	12.3	-4.5	2.5	-	-
58	D + CG + S + WPC1	4.7	-1.0	-	32.0	-4.7	10.4	-	-
59	D + CU + WPC1	5.6	-2.3	-	-4.5	-5.7	-4.8	-	-
60	D + CG + WPB2	2.3	-0.6	-	-1.0	-2.5	-2.8	-	-
61	D + CG + L + WPB2	1.9	0.3	-	11.1	-2.0	2.4	-	-
62	D + CG + S + WPB2	2.2	0.1	-	30.9	-2.3	10.4	-	-
63	D + CU + WPB2	2.3	-0.8	-	-6.0	-2.4	-4.8	-	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 27 of 46

64	D + CG + WPC2	2.5	-0.6	-	5.6	-2.6	0.6	-	-
65	D + CG + L + WPC2	2.0	0.3	-	16.0	-2.1	5.0	-	-
66	D + CG + S + WPC2	2.3	0.1	-	35.8	-2.3	13.0	-	-
67	D + CU + WPC2	2.4	-0.8	-	0.5	-2.5	-1.4	-	-

**Maximum Combined Reactions Summary with Factored Loads - Framing**

X-Loc	Grid	Hz left (-Hx) (k)	Load Case	Hz Right (Hx) (k)	Load Case	Hz In (-Hz) (k)	Load Case	Hz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
0/0/0	2-K	8.1	22	6.9	9	-	-	-	-	8.2	6	10.1	7	-	-	-	-
19/0/0	2-F	-	-	-	-	-	-	-	-	11.1	39	47.9	7	-	-	-	-
60/0/0	2-A	7.2	8	8.4	23	-	-	-	-	8.2	55	28.8	6	-	-	-	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 28 of 46

**Wall: 4, Frame at: 50/0/0**

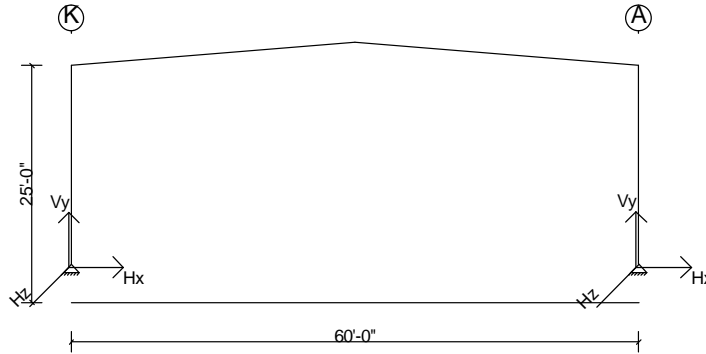
**Design Load Combinations - Framing**

No.	Origin	Factor	Application	Description
1	System	1.000	1.0 D + 1.0 CG + 1.0 S	D + CG + S
2	System	1.000	1.0 D + 1.0 CG + 1.0 S + 1.0 SD	D + CG + S + SD
3	System	1.000	1.0 D + 1.0 CG + 1.0 US1*	D + CG + US1*
4	System	1.000	1.0 D + 1.0 CG + 1.0 *US1	D + CG + *US1
5	System	1.000	1.0 D + 1.0 CG + 1.0 W1>	D + CG + W1>
6	System	1.000	1.0 D + 1.0 CG + 1.0 <W1	D + CG + <W1
7	System	1.000	1.0 D + 1.0 CG + 1.0 W2>	D + CG + W2>
8	System	1.000	1.0 D + 1.0 CG + 1.0 <W2	D + CG + <W2
9	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W1>	D + CG + S + W1>
10	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W1	D + CG + S + <W1
11	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W2>	D + CG + S + W2>
12	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W2	D + CG + S + <W2
13	System	1.000	0.600 D + 0.600 CU + 1.0 W1>	D + CU + W1>
14	System	1.000	0.600 D + 0.600 CU + 1.0 <W1	D + CU + <W1
15	System	1.000	0.600 D + 0.600 CU + 1.0 W2>	D + CU + W2>
16	System	1.000	0.600 D + 0.600 CU + 1.0 <W2	D + CU + <W2
17	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 E> + 0.700 EG+	D + CG + S + E> + EG+
18	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <E + 0.700 EG+	D + CG + S + <E + EG+
19	System	1.000	0.600 D + 0.600 CU + 0.700 E> + 0.700 EG-	D + CU + E> + EG-
20	System	1.000	0.600 D + 0.600 CU + 0.700 <E + 0.700 EG-	D + CU + <E + EG-
21	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 EB> + 0.700 EG+	D + CG + S + EB> + EG+
22	System Derived	1.000	0.600 D + 0.600 CU + 0.700 EB> + 0.700 EG-	D + CU + EB> + EG-
23	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <EB + 0.700 EG+	D + CG + S + <EB + EG+
24	System Derived	1.000	0.600 D + 0.600 CU + 0.700 <EB + 0.700 EG-	D + CU + <EB + EG-
25	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA1	D + CG + WPA1
26	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA1	D + CG + S + WPA1
27	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA1	D + CU + WPA1
28	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD1	D + CG + WPD1
29	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD1	D + CG + S + WPD1
30	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD1	D + CU + WPD1
31	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA2	D + CG + WPA2
32	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA2	D + CG + S + WPA2
33	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA2	D + CU + WPA2
34	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD2	D + CG + WPD2
35	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD2	D + CG + S + WPD2
36	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD2	D + CU + WPD2
37	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB1	D + CG + WPB1
38	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB1	D + CG + S + WPB1
39	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB1	D + CU + WPB1
40	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC1	D + CG + WPC1
41	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC1	D + CG + S + WPC1
42	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC1	D + CU + WPC1
43	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB2	D + CG + WPB2
44	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB2	D + CG + S + WPB2
45	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB2	D + CU + WPB2
46	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC2	D + CG + WPC2
47	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC2	D + CG + S + WPC2
48	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC2	D + CU + WPC2

**Wall: 4, Frame at: 50/0/0**

Frame ID: Rigid Frame

Frame Type: Rigid Frame



Values shown are resisting forces of the foundation.

Base Connection Design is Based on 3000.0 (psi) Concrete

**Reactions - Unfactored Load Type at Frame Cross Section: 3**

Type		Exterior Column		Exterior Column				
X-Loc		0/0/0		60/0/0				
Grid1 - Grid2		3-K		3-A				
Base Plate W x L (in.)		8 x 13		8 x 13				
Base Plate Thickness (in.)		0.375		0.375				
Anchor Rod Qty/Diam. (in.)		4 - 1.000		4 - 1.000				
Column Base Elev.		104'-0"		104'-0"				
Load Type	Desc.	Hx	Vy	Hx	Vy			
D	Frm	1.4	3.5	-1.4	3.5	-	-	-
CG	Frm	1.0	2.3	-1.0	2.3	-	-	-
S	Frm	12.7	28.4	-12.7	28.4	-	-	-
SD	Frm	-	-	-	-	-	-	-
US1*	Frm	12.5	17.8	-12.5	38.0	-	-	-
*US1	Frm	12.5	38.0	-12.5	17.8	-	-	-
W1>	Frm	-7.0	-12.2	0.7	-7.7	-	-	-
<W1	Frm	-0.7	-7.7	7.0	-12.2	-	-	-
W2>	Frm	-6.5	-7.1	0.1	-2.6	-	-	-
<W2	Frm	-0.1	-2.6	6.5	-7.1	-	-	-
CU	Frm	-	-	-	-	-	-	-
E>	Frm	-1.7	-1.2	-1.7	1.2	-	-	-
EG+	Frm	0.2	0.5	-0.2	0.5	-	-	-
<E	Frm	1.7	1.2	1.7	-1.2	-	-	-
EG-	Frm	-0.2	-0.5	0.2	-0.5	-	-	-
EB>	Brc	-	-	-	-	-	-	-
<EB	Brc	-	-	-	-	-	-	-
WPA1	Brc	-2.7	-14.0	2.8	-12.4	-	-	-
WPD1	Brc	-0.6	-8.5	0.7	-7.8	-	-	-
WPA2	Brc	-2.1	-9.0	2.3	-7.4	-	-	-
WPD2	Brc	-	-3.4	0.1	-2.8	-	-	-
WPB1	Brc	-2.8	-12.4	2.7	-14.0	-	-	-
WPC1	Brc	-0.7	-7.8	0.6	-8.5	-	-	-
WPB2	Brc	-2.3	-7.4	2.1	-9.0	-	-	-
WPC2	Brc	-0.1	-2.8	-	-3.4	-	-	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 30 of 46

**Frame Reactions - Factored Load Cases at Frame Cross Section: 3**

X-Loc		0/0/0		60/0/0				
Grid1 - Grid2		3-K		3-A				
Ld	Description	Hx	Vy	Hx	Vy			
Cs	(application factor not shown)	(k)	(k)	(k)	(k)			
1	D + CG + S	15.0	34.1	-15.0	34.1	-	-	-
2	D + CG + S + SD	15.0	34.1	-15.0	34.1	-	-	-
3	D + CG + US1*	14.8	23.5	-14.8	43.7	-	-	-
4	D + CG + *US1	14.8	43.7	-14.8	23.5	-	-	-
5	D + CG + W1>	-4.7	-6.4	-1.7	-1.9	-	-	-
6	D + CG + <W1	1.7	-1.9	4.7	-6.4	-	-	-
7	D + CG + W2>	-4.1	-1.4	-2.3	3.1	-	-	-
8	D + CG + <W2	2.3	3.1	4.1	-1.4	-	-	-
9	D + CG + S + W1>	6.6	17.9	-11.4	21.2	-	-	-
10	D + CG + S + <W1	11.4	21.2	-6.6	17.9	-	-	-
11	D + CG + S + W2>	7.0	21.6	-11.8	25.0	-	-	-
12	D + CG + S + <W2	11.8	25.0	-7.0	21.6	-	-	-
13	D + CU + W1>	-6.2	-10.1	-0.1	-5.6	-	-	-
14	D + CU + <W1	0.1	-5.6	6.2	-10.1	-	-	-
15	D + CU + W2>	-5.6	-5.0	-0.7	-0.6	-	-	-
16	D + CU + <W2	0.7	-0.6	5.6	-5.0	-	-	-
17	D + CG + S + E> + EG+	3.1	9.4	-5.7	11.2	-	-	-
18	D + CG + S + <E + EG+	5.7	11.2	-3.1	9.4	-	-	-
19	D + CU + E> + EG-	-0.5	0.9	-1.9	2.6	-	-	-
20	D + CU + <E + EG-	1.8	2.6	0.5	0.9	-	-	-
21	D + CG + S + EB> + EG+	4.4	10.3	-4.4	10.3	-	-	-
22	D + CU + EB> + EG-	0.7	1.7	-0.7	1.7	-	-	-
23	D + CG + S + <EB + EG+	4.4	10.3	-4.4	10.3	-	-	-
24	D + CU + <EB + EG-	0.7	1.7	-0.7	1.7	-	-	-
25	D + CG + WPA1	-0.3	-8.3	0.5	-6.7	-	-	-
26	D + CG + S + WPA1	9.9	16.5	-9.7	17.7	-	-	-
27	D + CU + WPA1	-1.9	-11.9	2.0	-10.3	-	-	-
28	D + CG + WPD1	1.8	-2.7	-1.7	-2.1	-	-	-
29	D + CG + S + WPD1	11.4	20.6	-11.4	21.1	-	-	-
30	D + CU + WPD1	0.2	-6.4	-0.1	-5.7	-	-	-
31	D + CG + WPA2	0.3	-3.3	-0.1	-1.6	-	-	-
32	D + CG + S + WPA2	10.3	20.2	-10.2	21.5	-	-	-
33	D + CU + WPA2	-1.3	-6.9	1.4	-5.3	-	-	-
34	D + CG + WPD2	2.4	2.3	-2.3	3.0	-	-	-
35	D + CG + S + WPD2	11.9	24.4	-11.8	24.9	-	-	-
36	D + CU + WPD2	0.8	-1.4	-0.7	-0.7	-	-	-
37	D + CG + WPB1	-0.5	-6.7	0.3	-8.3	-	-	-
38	D + CG + S + WPB1	9.7	17.7	-9.9	16.5	-	-	-
39	D + CU + WPB1	-2.0	-10.3	1.9	-11.9	-	-	-
40	D + CG + WPC1	1.7	-2.1	-1.8	-2.7	-	-	-
41	D + CG + S + WPC1	11.4	21.1	-11.4	20.6	-	-	-
42	D + CU + WPC1	0.1	-5.7	-0.2	-6.4	-	-	-
43	D + CG + WPB2	0.1	-1.6	-0.3	-3.3	-	-	-
44	D + CG + S + WPB2	10.2	21.5	-10.3	20.2	-	-	-
45	D + CU + WPB2	-1.4	-5.3	1.3	-6.9	-	-	-
46	D + CG + WPC2	2.3	3.0	-2.4	2.3	-	-	-
47	D + CG + S + WPC2	11.8	24.9	-11.9	24.4	-	-	-
48	D + CU + WPC2	0.7	-0.7	-0.8	-1.4	-	-	-

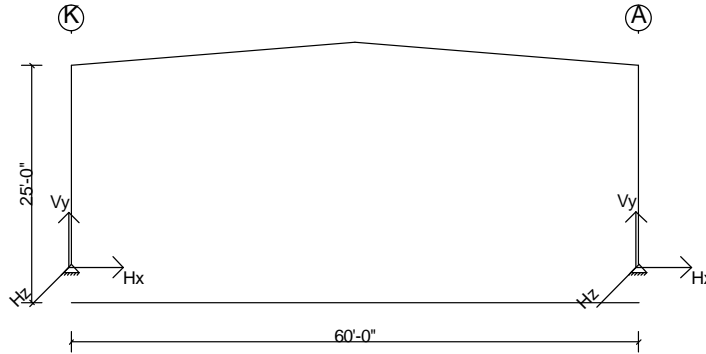
**Maximum Combined Reactions Summary with Factored Loads - Framing**

X-Loc	Grid	Hz left (-Hx)	Load Case	Hz Right (Hx)	Load Case	Hz In (-Hz)	Load Case	Hz Out (Hz)	Load Case	Uplift (-Vy)	Load Case	Vrt Down (Vy)	Load Case	Mom cw (-Mzz)	Load Case	Mom ccw (Mzz)	Load Case
		(k)		(k)		(k)		(k)		(k)		(k)		(in-k)		(in-k)	
0/0/0	3-K	6.2	13	15.0	1	-	-	-	-	11.9	27	43.7	4	-	-	-	-
60/0/0	3-A	15.0	1	6.2	14	-	-	-	-	11.9	39	43.7	3	-	-	-	-

**Wall: 4, Frame at: 75/0/0**

Frame ID: Rigid Frame

Frame Type: Rigid Frame



Values shown are resisting forces of the foundation.

Base Connection Design is Based on 3000.0 (psi) Concrete

**Reactions - Unfactored Load Type at Frame Cross Section: 4**

Type		Exterior Column			Exterior Column				
X-Loc		0/0/0			60/0/0				
Grid1 - Grid2		4-K			4-A				
Base Plate W x L (in.)		8 x 13			8 x 13				
Base Plate Thickness (in.)		0.375			0.375				
Anchor Rod Qty/Diam. (in.)		4 - 1.000			4 - 1.000				
Column Base Elev.		104'-0"			104'-0"				
Load Type	Desc.	Hx	Hz	Vy	Hx	Vy			
D	Frm	1.4	-	3.5	-1.4	3.5	-	-	-
CG	Frm	1.0	-	2.3	-1.0	2.3	-	-	-
S	Frm	12.7	-	28.4	-12.7	28.4	-	-	-
SD	Frm	-	-	-	-	-	-	-	-
US1*	Frm	12.5	-	17.8	-12.5	38.0	-	-	-
*US1	Frm	12.5	-	38.0	-12.5	17.8	-	-	-
W1>	Frm	-7.0	-	-12.2	0.7	-7.7	-	-	-
<W1	Frm	-0.7	-	-7.7	7.0	-12.2	-	-	-
W2>	Frm	-6.5	-	-7.1	0.1	-2.6	-	-	-
<W2	Frm	-0.1	-	-2.6	6.5	-7.1	-	-	-
CU	Frm	-	-	-	-	-	-	-	-
E>	Frm	-1.7	-	-1.2	-1.7	1.2	-	-	-
EG+	Frm	0.2	-	0.5	-0.2	0.5	-	-	-
<E	Frm	1.7	-	1.2	1.7	-1.2	-	-	-
EG-	Frm	-0.2	-	-0.5	0.2	-0.5	-	-	-
EB>	Brc	0.1	-12.9	-10.9	-0.1	0.1	-	-	-
<EB	Brc	-0.1	-	10.9	0.1	-0.1	-	-	-
WPA1	Brc	-2.6	-9.5	-22.1	2.7	-12.3	-	-	-
WPD1	Brc	-0.7	-	-1.7	0.7	-7.9	-	-	-
WPA2	Brc	-2.0	-7.1	-15.0	2.2	-7.3	-	-	-
WPD2	Brc	-0.1	-	5.5	0.2	-2.9	-	-	-
WPB1	Brc	-2.8	-8.5	-19.6	2.6	-14.0	-	-	-
WPC1	Brc	-0.7	-	-2.0	0.7	-8.5	-	-	-
WPB2	Brc	-2.2	-6.0	-12.4	2.0	-8.9	-	-	-
WPC2	Brc	-0.2	-	5.1	0.1	-3.5	-	-	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 32 of 46

**Frame Reactions - Factored Load Cases at Frame Cross Section: 4**

X-Loc		0/0/0			60/0/0				
Grid1 - Grid2		4-K			4-A				
Ld	Description	Hx	Hx	Vy	Hx	Vy			
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)			
1	D + CG + S	15.0	-	34.1	-15.0	34.1	-	-	-
2	D + CG + S + SD	15.0	-	34.1	-15.0	34.1	-	-	-
3	D + CG + US1*	14.8	-	23.5	-14.8	43.7	-	-	-
4	D + CG + *US1	14.8	-	43.7	-14.8	23.5	-	-	-
5	D + CG + W1>	-4.7	-	-6.4	-1.7	-1.9	-	-	-
6	D + CG + <W1	1.7	-	-1.9	4.7	-6.4	-	-	-
7	D + CG + W2>	-4.1	-	-1.4	-2.3	3.1	-	-	-
8	D + CG + <W2	2.3	-	3.1	4.1	-1.4	-	-	-
9	D + CG + S + W1>	6.6	-	17.9	-11.4	21.2	-	-	-
10	D + CG + S + <W1	11.4	-	21.2	-6.6	17.9	-	-	-
11	D + CG + S + W2>	7.0	-	21.6	-11.8	25.0	-	-	-
12	D + CG + S + <W2	11.8	-	25.0	-7.0	21.6	-	-	-
13	D + CU + W1>	-6.2	-	-10.1	-0.1	-5.6	-	-	-
14	D + CU + <W1	0.1	-	-5.6	6.2	-10.1	-	-	-
15	D + CU + W2>	-5.6	-	-5.0	-0.7	-0.6	-	-	-
16	D + CU + <W2	0.7	-	-0.6	5.6	-5.0	-	-	-
17	D + CG + S + E> + EG+	3.1	-	9.4	-5.7	11.2	-	-	-
18	D + CG + S + <E + EG+	5.7	-	11.2	-3.1	9.4	-	-	-
19	D + CU + E> + EG-	-0.5	-	0.9	-1.9	2.6	-	-	-
20	D + CU + <E + EG-	1.8	-	2.6	0.5	0.9	-	-	-
21	D + CG + S + EB> + EG+	4.5	-9.7	2.1	-4.5	10.4	-	-	-
22	D + CU + EB> + EG-	0.8	-9.0	-5.9	-0.8	1.8	-	-	-
23	D + CG + S + <EB + EG+	4.3	-	18.5	-4.3	10.2	-	-	-
24	D + CU + <EB + EG-	0.6	-	9.4	-0.6	1.6	-	-	-
25	D + CG + WPA1	-0.2	-9.5	-16.4	0.4	-6.6	-	-	-
26	D + CG + S + WPA1	10.0	-7.2	10.4	-9.8	17.7	-	-	-
27	D + CU + WPA1	-1.8	-9.5	-20.0	1.9	-10.2	-	-	-
28	D + CG + WPD1	1.7	-	4.0	-1.6	-2.1	-	-	-
29	D + CG + S + WPD1	11.4	-	25.7	-11.3	21.1	-	-	-
30	D + CU + WPD1	0.1	-	0.4	-0.1	-5.8	-	-	-
31	D + CG + WPA2	0.4	-7.1	-9.3	-0.2	-1.6	-	-	-
32	D + CG + S + WPA2	10.4	-5.3	15.7	-10.2	21.5	-	-	-
33	D + CU + WPA2	-1.2	-7.1	-12.9	1.4	-5.2	-	-	-
34	D + CG + WPD2	2.3	-	11.2	-2.2	2.9	-	-	-
35	D + CG + S + WPD2	11.8	-	31.1	-11.7	24.8	-	-	-
36	D + CU + WPD2	0.7	-	7.5	-0.6	-0.8	-	-	-
37	D + CG + WPB1	-0.4	-8.5	-13.9	0.2	-8.2	-	-	-
38	D + CG + S + WPB1	9.8	-6.4	12.3	-9.9	16.5	-	-	-
39	D + CU + WPB1	-1.9	-8.5	-17.5	1.8	-11.9	-	-	-
40	D + CG + WPC1	1.6	-	3.7	-1.7	-2.8	-	-	-
41	D + CG + S + WPC1	11.3	-	25.5	-11.4	20.6	-	-	-
42	D + CU + WPC1	0.1	-	0.1	-0.2	-6.4	-	-	-
43	D + CG + WPB2	0.2	-6.0	-6.7	-0.3	-3.2	-	-	-
44	D + CG + S + WPB2	10.2	-4.5	17.7	-10.4	20.3	-	-	-
45	D + CU + WPB2	-1.4	-6.0	-10.4	1.2	-6.9	-	-	-
46	D + CG + WPC2	2.2	-	10.8	-2.3	2.2	-	-	-
47	D + CG + S + WPC2	11.8	-	30.8	-11.8	24.3	-	-	-
48	D + CU + WPC2	0.7	-	7.2	-0.7	-1.5	-	-	-

**Maximum Combined Reactions Summary with Factored Loads - Framing**

X-Loc	Grid	Hz left (-Hx)	Load Case	Hz Right (Hx)	Load Case	Hz In (-Hz)	Load Case	Hz Out (Hz)	Load Case	Uplift (-Vy)	Load Case	Vrt Down (Vy)	Load Case	Mom cw (-Mzz)	Load Case	Mom ccw (Mzz)	Load Case
		(k)		(k)		(k)		(k)		(k)		(k)		(in-k)		(in-k)	
0/0/0	4-K	6.2	13	15.0	1	9.7	21	-	-	20.0	27	43.7	4	-	-	-	-
60/0/0	4-A	15.0	1	6.2	14	-	-	-	-	11.9	39	43.7	3	-	-	-	-

**Bracing**

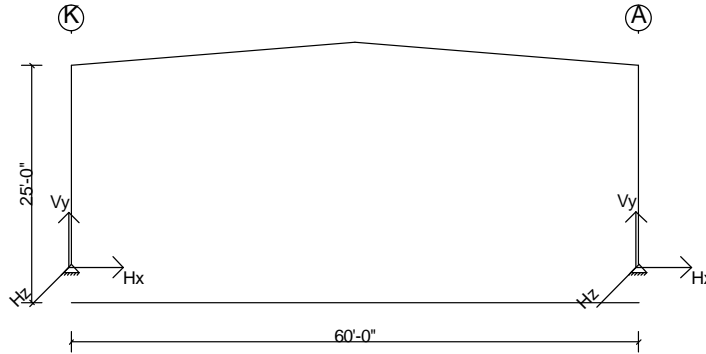
X-Loc	Grid	Description
0/0/0	4-K	Diagonal bracing at base is attached to column. Reactions ARE included with frame reactions.



**Wall: 4, Frame at: 100/0/0**

Frame ID: Rigid Frame

Frame Type: Rigid Frame



Values shown are resisting forces of the foundation.

Base Connection Design is Based on 3000.0 (psi) Concrete

**Reactions - Unfactored Load Type at Frame Cross Section: 5**

Type		Exterior Column			Exterior Column					
X-Loc		0/0/0			60/0/0					
Grid1 - Grid2		5-K			5-A					
Base Plate W x L (in.)		8 x 13			8 x 13					
Base Plate Thickness (in.)		0.375			0.375					
Anchor Rod Qty/Diam. (in.)		4 - 1.000			4 - 1.000					
Column Base Elev.		104'-0"			104'-0"					
Load Type	Desc.	Hx	H <sub>z</sub>	V <sub>y</sub>	Hx	H <sub>z</sub>	V <sub>y</sub>			
D	Frm	1.4	-	3.5	-1.4	-	3.5	-	-	-
CG	Frm	1.0	-	2.3	-1.0	-	2.3	-	-	-
S	Frm	12.7	-	28.4	-12.7	-	28.4	-	-	-
SD	Frm	-	-	-	-	-	-	-	-	-
US1*	Frm	12.5	-	17.8	-12.5	-	38.0	-	-	-
*US1	Frm	12.5	-	38.0	-12.5	-	17.8	-	-	-
W1>	Frm	-7.0	-	-12.2	0.7	-	-7.7	-	-	-
<W1	Frm	-0.7	-	-7.7	7.0	-	-12.2	-	-	-
W2>	Frm	-6.5	-	-7.1	0.1	-	-2.6	-	-	-
<W2	Frm	-0.1	-	-2.6	6.5	-	-7.1	-	-	-
CU	Frm	-	-	-	-	-	-	-	-	-
E>	Frm	-1.7	-	-1.2	-1.7	-	1.2	-	-	-
EG+	Frm	0.2	-	0.5	-0.2	-	0.5	-	-	-
<E	Frm	1.7	-	1.2	1.7	-	-1.2	-	-	-
EG-	Frm	-0.2	-	-0.5	0.2	-	-0.5	-	-	-
EB>	Brc	0.0	-	11.0	-0.0	-13.0	-11.2	-	-	-
<EB	Brc	0.0	12.9	-11.0	-0.0	-	11.2	-	-	-
WPA1	Brc	-1.6	-	-3.1	1.7	-8.8	-17.6	-	-	-
WPD1	Brc	-1.6	8.0	-18.1	1.7	-	-4.2	-	-	-
WPA2	Brc	-1.0	-	-0.2	1.2	-6.0	-10.2	-	-	-
WPD2	Brc	-1.0	10.5	-15.2	1.1	-	3.2	-	-	-
WPB1	Brc	-1.7	-	-2.8	1.6	-9.9	-19.7	-	-	-
WPC1	Brc	-1.8	6.8	-15.9	1.6	-	-4.3	-	-	-
WPB2	Brc	-1.1	-	0.1	1.0	-7.1	-12.3	-	-	-
WPC2	Brc	-1.2	9.3	-13.0	1.0	-	3.1	-	-	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 34 of 46

**Frame Reactions - Factored Load Cases at Frame Cross Section: 5**

X-Loc		0/0/0			60/0/0					
Grid1 - Grid2		5-K			5-A					
Ld	Description	Hx	Hx	Vy	Hx	Hx	Vy			
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)			
1	D + CG + S	15.0	-	34.1	-15.0	-	34.1	-	-	-
2	D + CG + S + SD	15.0	-	34.1	-15.0	-	34.1	-	-	-
3	D + CG + US1*	14.8	-	23.5	-14.8	-	43.7	-	-	-
4	D + CG + *US1	14.8	-	43.7	-14.8	-	23.5	-	-	-
5	D + CG + W1>	-4.7	-	-6.4	-1.7	-	-1.9	-	-	-
6	D + CG + <W1	1.7	-	-1.9	4.7	-	-6.4	-	-	-
7	D + CG + W2>	-4.1	-	-1.4	-2.3	-	3.1	-	-	-
8	D + CG + <W2	2.3	-	3.1	4.1	-	-1.4	-	-	-
9	D + CG + S + W1>	6.6	-	17.9	-11.4	-	21.2	-	-	-
10	D + CG + S + <W1	11.4	-	21.2	-6.6	-	17.9	-	-	-
11	D + CG + S + W2>	7.0	-	21.6	-11.8	-	25.0	-	-	-
12	D + CG + S + <W2	11.8	-	25.0	-7.0	-	21.6	-	-	-
13	D + CU + W1>	-6.2	-	-10.1	-0.1	-	-5.6	-	-	-
14	D + CU + <W1	0.1	-	-5.6	6.2	-	-10.1	-	-	-
15	D + CU + W2>	-5.6	-	-5.0	-0.7	-	-0.6	-	-	-
16	D + CU + <W2	0.7	-	-0.6	5.6	-	-5.0	-	-	-
17	D + CG + S + E> + EG+	3.1	-	9.4	-5.7	-	11.2	-	-	-
18	D + CG + S + <E + EG+	5.7	-	11.2	-3.1	-	9.4	-	-	-
19	D + CU + E> + EG-	-0.5	-	0.9	-1.9	-	2.6	-	-	-
20	D + CU + <E + EG-	1.8	-	2.6	0.5	-	0.9	-	-	-
21	D + CG + S + EB> + EG+	4.4	-	18.6	-4.4	-9.8	1.9	-	-	-
22	D + CU + EB> + EG-	0.7	-	9.5	-0.7	-9.1	-6.1	-	-	-
23	D + CG + S + <EB + EG+	4.4	9.7	2.0	-4.4	-	18.7	-	-	-
24	D + CU + <EB + EG-	0.7	9.0	-6.0	-0.7	-	9.6	-	-	-
25	D + CG + WPA1	0.7	-	2.7	-0.6	-8.8	-11.9	-	-	-
26	D + CG + S + WPA1	10.7	-	24.7	-10.6	-6.6	13.8	-	-	-
27	D + CU + WPA1	-0.8	-	-1.0	0.9	-8.8	-15.5	-	-	-
28	D + CG + WPD1	0.8	8.0	-12.4	-0.6	-	1.5	-	-	-
29	D + CG + S + WPD1	10.7	6.0	13.4	-10.6	-	23.8	-	-	-
30	D + CU + WPD1	-0.8	8.0	-16.0	0.9	-	-2.1	-	-	-
31	D + CG + WPA2	1.3	-	5.5	-1.2	-6.0	-4.5	-	-	-
32	D + CG + S + WPA2	11.1	-	26.8	-11.0	-4.5	19.3	-	-	-
33	D + CU + WPA2	-0.2	-	1.9	0.4	-6.0	-8.1	-	-	-
34	D + CG + WPD2	1.3	10.5	-9.5	-1.2	-	9.0	-	-	-
35	D + CG + S + WPD2	11.1	7.9	15.6	-11.0	-	29.4	-	-	-
36	D + CU + WPD2	-0.2	10.5	-13.1	0.3	-	5.3	-	-	-
37	D + CG + WPB1	0.6	-	2.9	-0.8	-9.9	-14.0	-	-	-
38	D + CG + S + WPB1	10.6	-	24.9	-10.7	-7.4	12.2	-	-	-
39	D + CU + WPB1	-0.9	-	-0.7	0.8	-9.9	-17.6	-	-	-
40	D + CG + WPC1	0.6	6.8	-10.2	-0.7	-	1.4	-	-	-
41	D + CG + S + WPC1	10.6	5.1	15.1	-10.7	-	23.7	-	-	-
42	D + CU + WPC1	-0.9	6.8	-13.8	0.8	-	-2.2	-	-	-
43	D + CG + WPB2	1.2	-	5.8	-1.3	-7.1	-6.5	-	-	-
44	D + CG + S + WPB2	11.0	-	27.0	-11.1	-5.3	17.8	-	-	-
45	D + CU + WPB2	-0.3	-	2.2	0.2	-7.1	-10.2	-	-	-
46	D + CG + WPC2	1.2	9.3	-7.3	-1.3	-	8.8	-	-	-
47	D + CG + S + WPC2	11.0	7.0	17.2	-11.1	-	29.3	-	-	-
48	D + CU + WPC2	-0.4	9.3	-10.9	0.2	-	5.2	-	-	-



## 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 35 of 46

**Maximum Combined Reactions Summary with Factored Loads - Framing**

X-Loc	Grid	Hz left (-Hx) (k)	Load Case	Hz Right (Hx) (k)	Load Case	Hz In (-Hz) (k)	Load Case	Hz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
0/0/0	5-K	6.2	13	15.0	1	-	-	10.5	34	16.0	30	43.7	4	-	-	-	-
60/0/0	5-A	15.0	1	6.2	14	9.9	37	-	-	17.6	39	43.7	3	-	-	-	-

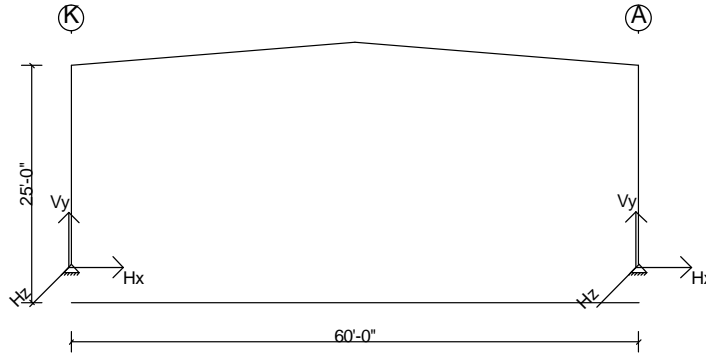
**Bracing**

X-Loc	Grid	Description
0/0/0	5-K	Diagonal bracing at base is attached to column. Reactions ARE included with frame reactions.
60/0/0	5-A	Diagonal bracing at base is attached to column. Reactions ARE included with frame reactions.

Wall: 4, Frame at: 125/0/0

Frame ID:Rigid Frame

Frame Type:Rigid Frame



Values shown are resisting forces of the foundation.

Base Connection Design is Based on 3000.0 (psi) Concrete

**Reactions - Unfactored Load Type at Frame Cross Section: 6**

Type		Exterior Column		Exterior Column				
X-Loc		0/0/0		60/0/0				
Grid1 - Grid2		6-K		6-A				
Base Plate W x L (in.)		8 x 13		8 x 13				
Base Plate Thickness (in.)		0.375		0.375				
Anchor Rod Qty/Diam. (in.)		4 - 1.000		4 - 1.000				
Column Base Elev.		104'-0"		104'-0"				
Load Type	Desc.	Hx	Vy	Hx	Hx	Vy		
D	Frm	1.4	3.5	-1.4	-	3.5	-	-
CG	Frm	1.0	2.3	-1.0	-	2.3	-	-
S	Frm	12.7	28.4	-12.7	-	28.4	-	-
SD	Frm	-	-	-	-	-	-	-
US1*	Frm	12.5	17.8	-12.5	-	38.0	-	-
*US1	Frm	12.5	38.0	-12.5	-	17.8	-	-
W1>	Frm	-7.0	-12.2	0.7	-	-7.7	-	-
<W1	Frm	-0.7	-7.7	7.0	-	-12.2	-	-
W2>	Frm	-6.5	-7.1	0.1	-	-2.6	-	-
<W2	Frm	-0.1	-2.6	6.5	-	-7.1	-	-
CU	Frm	-	-	-	-	-	-	-
E>	Frm	-1.7	-1.2	-1.7	-	1.2	-	-
EG+	Frm	0.2	0.5	-0.2	-	0.5	-	-
<E	Frm	1.7	1.2	1.7	-	-1.2	-	-
EG-	Frm	-0.2	-0.5	0.2	-	-0.5	-	-
EB>	Brc	-0.1	-0.1	0.1	-	11.1	-	-
<EB	Brc	0.1	0.1	-0.1	13.0	-11.1	-	-
WPA1	Brc	-0.7	-8.5	0.7	-	-0.3	-	-
WPD1	Brc	-2.6	-14.0	2.8	6.9	-18.2	-	-
WPA2	Brc	-0.1	-3.5	0.1	-	2.3	-	-
WPD2	Brc	-2.0	-8.9	2.1	9.7	-15.6	-	-
WPB1	Brc	-0.8	-7.9	0.7	-	-0.1	-	-
WPC1	Brc	-2.8	-12.3	2.6	8.1	-20.9	-	-
WPB2	Brc	-0.1	-2.8	0.1	-	2.6	-	-
WPC2	Brc	-2.1	-7.3	2.0	10.9	-18.2	-	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 37 of 46

### Frame Reactions - Factored Load Cases at Frame Cross Section: 6

X-Loc		0/0/0		60/0/0					
Grid1 - Grid2		6-K		6-A					
Ld	Description	Hx	Vy	Hx	Hx	Vy			
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)			
1	D + CG + S	15.0	34.1	-15.0	-	34.1	-	-	-
2	D + CG + S + SD	15.0	34.1	-15.0	-	34.1	-	-	-
3	D + CG + US1*	14.8	23.5	-14.8	-	43.7	-	-	-
4	D + CG + *US1	14.8	43.7	-14.8	-	23.5	-	-	-
5	D + CG + W1>	-4.7	-6.4	-1.7	-	-1.9	-	-	-
6	D + CG + <W1	1.7	-1.9	4.7	-	-6.4	-	-	-
7	D + CG + W2>	-4.1	-1.4	-2.3	-	3.1	-	-	-
8	D + CG + <W2	2.3	3.1	4.1	-	-1.4	-	-	-
9	D + CG + S + W1>	6.6	17.9	-11.4	-	21.2	-	-	-
10	D + CG + S + <W1	11.4	21.2	-6.6	-	17.9	-	-	-
11	D + CG + S + W2>	7.0	21.6	-11.8	-	25.0	-	-	-
12	D + CG + S + <W2	11.8	25.0	-7.0	-	21.6	-	-	-
13	D + CU + W1>	-6.2	-10.1	-0.1	-	-5.6	-	-	-
14	D + CU + <W1	0.1	-5.6	6.2	-	-10.1	-	-	-
15	D + CU + W2>	-5.6	-5.0	-0.7	-	-0.6	-	-	-
16	D + CU + <W2	0.7	-0.6	5.6	-	-5.0	-	-	-
17	D + CG + S + E + EG+	3.1	9.4	-5.7	-	11.2	-	-	-
18	D + CG + S + <E + EG+	5.7	11.2	-3.1	-	9.4	-	-	-
19	D + CU + E + EG-	-0.5	0.9	-1.9	-	2.6	-	-	-
20	D + CU + <E + EG-	1.8	2.6	0.5	-	0.9	-	-	-
21	D + CG + S + EB> + EG+	4.3	10.2	-4.3	-	18.6	-	-	-
22	D + CU + EB> + EG-	0.6	1.6	-0.6	-	9.5	-	-	-
23	D + CG + S + <EB + EG+	4.5	10.4	-4.5	9.8	2.0	-	-	-
24	D + CU + <EB + EG-	0.8	1.8	-0.8	9.1	-6.0	-	-	-
25	D + CG + WPA1	1.7	-2.8	-1.6	-	5.4	-	-	-
26	D + CG + S + WPA1	11.4	20.6	-11.3	-	26.8	-	-	-
27	D + CU + WPA1	0.1	-6.5	-0.1	-	1.8	-	-	-
28	D + CG + WPD1	-0.2	-8.2	0.4	6.9	-12.5	-	-	-
29	D + CG + S + WPD1	9.9	16.5	-9.8	5.2	13.3	-	-	-
30	D + CU + WPD1	-1.8	-11.9	2.0	6.9	-16.1	-	-	-
31	D + CG + WPA2	2.3	2.2	-2.2	-	8.1	-	-	-
32	D + CG + S + WPA2	11.8	24.4	-11.8	-	28.7	-	-	-
33	D + CU + WPA2	0.8	-1.4	-0.7	-	4.4	-	-	-
34	D + CG + WPD2	0.4	-3.2	-0.2	9.7	-9.8	-	-	-
35	D + CG + S + WPD2	10.4	20.3	-10.3	7.3	15.3	-	-	-
36	D + CU + WPD2	-1.2	-6.8	1.3	9.7	-13.5	-	-	-
37	D + CG + WPB1	1.6	-2.2	-1.7	-	5.6	-	-	-
38	D + CG + S + WPB1	11.3	21.1	-11.4	-	26.9	-	-	-
39	D + CU + WPB1	0.1	-5.8	-0.1	-	2.0	-	-	-
40	D + CG + WPC1	-0.4	-6.6	0.2	8.1	-15.1	-	-	-
41	D + CG + S + WPC1	9.8	17.7	-9.9	6.1	11.3	-	-	-
42	D + CU + WPC1	-1.9	-10.2	1.8	8.1	-18.8	-	-	-
43	D + CG + WPB2	2.2	2.9	-2.3	-	8.3	-	-	-
44	D + CG + S + WPB2	11.8	24.9	-11.8	-	28.9	-	-	-
45	D + CU + WPB2	0.7	-0.7	-0.7	-	4.6	-	-	-
46	D + CG + WPC2	0.2	-1.6	-0.4	10.9	-12.5	-	-	-
47	D + CG + S + WPC2	10.3	21.5	-10.4	8.2	13.3	-	-	-
48	D + CU + WPC2	-1.3	-5.2	1.1	10.9	-16.1	-	-	-

### Maximum Combined Reactions Summary with Factored Loads - Framing

X-Loc	Grid	Hz left (-Hx)	Load Case	Hz Right (Hx)	Load Case	Hz In (-Hz)	Load Case	Hz Out (Hz)	Load Case	Uplift (-Vy)	Load Case	Vrt Down (Vy)	Load Case	Mom cw (-Mzz)	Load Case	Mom ccw (Mzz)	Load Case
		(k)		(k)		(k)		(k)		(k)		(k)		(in-k)		(in-k)	
0/0/0	6-K	6.2	13	15.0	1	-	-	-	-	11.9	30	43.7	4	-	-	-	-
60/0/0	6-A	15.0	1	6.2	14	-	-	10.9	46	18.8	42	43.7	3	-	-	-	-

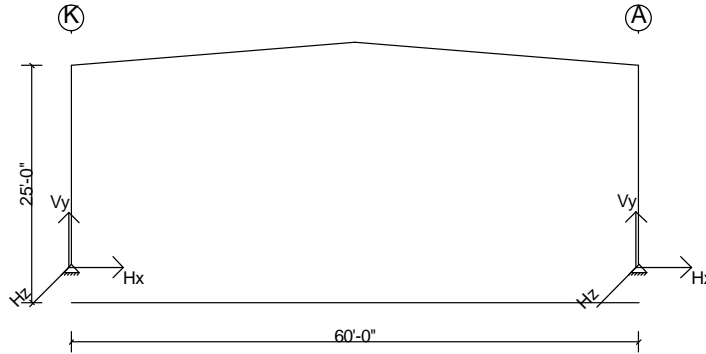
### Bracing

X-Loc	Grid	Description
60/0/0	6-A	Diagonal bracing at base is attached to column. Reactions ARE included with frame reactions.

**Wall: 4, Frame at: 150/0/0**

Frame ID:Rigid Frame

Frame Type:Rigid Frame



Values shown are resisting forces of the foundation.

Base Connection Design is Based on 3000.0 (psi) Concrete

**Reactions - Unfactored Load Type at Frame Cross Section: 7**

Type		Exterior Column		Exterior Column				
X-Loc		0/0/0		60/0/0				
Grid1 - Grid2		7-K		7-A				
Base Plate W x L (in.)		8 x 13		8 x 13				
Base Plate Thickness (in.)		0.375		0.375				
Anchor Rod Qty/Diam. (in.)		4 - 1.000		4 - 1.000				
Column Base Elev.		104'-0"		104'-0"				
Load Type	Desc.	Hx	Vy	Hx	Vy			
D	Frm	1.3	3.4	-1.3	3.4	-	-	-
CG	Frm	1.0	2.2	-1.0	2.2	-	-	-
S	Frm	12.4	27.8	-12.4	27.8	-	-	-
SD	Frm	-	-	-	-	-	-	-
US1*	Frm	12.2	17.4	-12.2	37.2	-	-	-
*US1	Frm	12.2	37.2	-12.2	17.4	-	-	-
W1>	Frm	-6.9	-11.9	0.7	-7.5	-	-	-
<W1	Frm	-0.7	-7.5	6.9	-11.9	-	-	-
W2>	Frm	-6.3	-7.0	0.1	-2.6	-	-	-
<W2	Frm	-0.1	-2.6	6.3	-7.0	-	-	-
CU	Frm	-	-	-	-	-	-	-
E>	Frm	-1.7	-1.2	-1.7	1.2	-	-	-
EG+	Frm	0.2	0.5	-0.2	0.5	-	-	-
<E	Frm	1.7	1.2	1.7	-1.2	-	-	-
EG-	Frm	-0.2	-0.5	0.2	-0.5	-	-	-
EB>	Brc	-	-	-	-	-	-	-
<EB	Brc	-	-	-	-	-	-	-
WPA1	Brc	-0.6	-8.3	0.7	-7.6	-	-	-
WPD1	Brc	-2.6	-13.7	2.8	-12.1	-	-	-
WPA2	Brc	-	-3.4	0.1	-2.7	-	-	-
WPD2	Brc	-2.0	-8.8	2.2	-7.2	-	-	-
WPB1	Brc	-0.7	-7.6	0.6	-8.3	-	-	-
WPC1	Brc	-2.8	-12.1	2.6	-13.7	-	-	-
WPB2	Brc	-0.1	-2.7	-	-3.4	-	-	-
WPC2	Brc	-2.2	-7.2	2.0	-8.8	-	-	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 39 of 46

**Frame Reactions - Factored Load Cases at Frame Cross Section: 7**

X-Loc		0/0/0		60/0/0				
Grid1 - Grid2		7-K		7-A				
Ld	Description	Hx	Vy	Hx	Vy			
Cs	(application factor not shown)	(k)	(k)	(k)	(k)			
1	D + CG + S	14.8	33.4	-14.8	33.4	-	-	-
2	D + CG + S + SD	14.8	33.4	-14.8	33.4	-	-	-
3	D + CG + US1*	14.5	23.1	-14.5	42.8	-	-	-
4	D + CG + *US1	14.5	42.8	-14.5	23.1	-	-	-
5	D + CG + W1>	-4.6	-6.3	-1.6	-1.9	-	-	-
6	D + CG + <W1	1.6	-1.9	4.6	-6.3	-	-	-
7	D + CG + W2>	-4.0	-1.4	-2.2	3.0	-	-	-
8	D + CG + <W2	2.2	3.0	4.0	-1.4	-	-	-
9	D + CG + S + W1>	6.5	17.5	-11.1	20.8	-	-	-
10	D + CG + S + <W1	11.1	20.8	-6.5	17.5	-	-	-
11	D + CG + S + W2>	6.9	21.2	-11.6	24.5	-	-	-
12	D + CG + S + <W2	11.6	24.5	-6.9	21.2	-	-	-
13	D + CU + W1>	-6.1	-9.9	-0.1	-5.4	-	-	-
14	D + CU + <W1	0.1	-5.4	6.1	-9.9	-	-	-
15	D + CU + W2>	-5.5	-4.9	-0.7	-0.5	-	-	-
16	D + CU + <W2	0.7	-0.5	5.5	-4.9	-	-	-
17	D + CG + S + E> + EG+	3.1	9.2	-5.6	11.0	-	-	-
18	D + CG + S + <E + EG+	5.6	11.0	-3.1	9.2	-	-	-
19	D + CU + E> + EG-	-0.5	0.9	-1.8	2.5	-	-	-
20	D + CU + <E + EG-	1.8	2.5	0.5	0.9	-	-	-
21	D + CG + S + EB> + EG+	4.3	10.1	-4.3	10.1	-	-	-
22	D + CU + EB> + EG-	0.6	1.7	-0.6	1.7	-	-	-
23	D + CG + S + <EB + EG+	4.3	10.1	-4.3	10.1	-	-	-
24	D + CU + <EB + EG-	0.6	1.7	-0.6	1.7	-	-	-
25	D + CG + WPA1	1.7	-2.7	-1.7	-2.0	-	-	-
26	D + CG + S + WPA1	11.2	20.2	-11.2	20.8	-	-	-
27	D + CU + WPA1	0.2	-6.2	-0.1	-5.6	-	-	-
28	D + CG + WPD1	-0.3	-8.1	0.5	-6.5	-	-	-
29	D + CG + S + WPD1	9.7	16.2	-9.6	17.4	-	-	-
30	D + CU + WPD1	-1.8	-11.7	2.0	-10.1	-	-	-
31	D + CG + WPA2	2.3	2.3	-2.2	2.9	-	-	-
32	D + CG + S + WPA2	11.6	23.9	-11.6	24.4	-	-	-
33	D + CU + WPA2	0.8	-1.3	-0.7	-0.6	-	-	-
34	D + CG + WPD2	0.3	-3.2	-0.1	-1.6	-	-	-
35	D + CG + S + WPD2	10.1	19.9	-10.0	21.1	-	-	-
36	D + CU + WPD2	-1.2	-6.8	1.4	-5.2	-	-	-
37	D + CG + WPB1	1.7	-2.0	-1.7	-2.7	-	-	-
38	D + CG + S + WPB1	11.2	20.8	-11.2	20.2	-	-	-
39	D + CU + WPB1	0.1	-5.6	-0.2	-6.2	-	-	-
40	D + CG + WPC1	-0.5	-6.5	0.3	-8.1	-	-	-
41	D + CG + S + WPC1	9.6	17.4	-9.7	16.2	-	-	-
42	D + CU + WPC1	-2.0	-10.1	1.8	-11.7	-	-	-
43	D + CG + WPB2	2.2	2.9	-2.3	2.3	-	-	-
44	D + CG + S + WPB2	11.6	24.4	-11.6	23.9	-	-	-
45	D + CU + WPB2	0.7	-0.6	-0.8	-1.3	-	-	-
46	D + CG + WPC2	0.1	-1.6	-0.3	-3.2	-	-	-
47	D + CG + S + WPC2	10.0	21.1	-10.1	19.9	-	-	-
48	D + CU + WPC2	-1.4	-5.2	1.2	-6.8	-	-	-

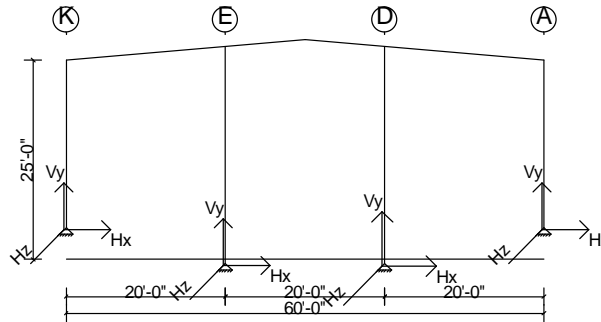
**Maximum Combined Reactions Summary with Factored Loads - Framing**

X-Loc	Grid	Hz left (-Hx)	Load Case	Hz Right (Hx)	Load Case	Hz In (-Hz)	Load Case	Hz Out (Hz)	Load Case	Uplift (-Vy)	Load Case	Vrt Down (Vy)	Load Case	Mom cw (-Mzz)	Load Case	Mom ccw (Mzz)	Load Case
		(k)		(k)		(k)		(k)		(k)		(k)		(in-k)		(in-k)	
0/0/0	7-K	6.1	13	14.8	1	-	-	-	-	11.7	30	42.8	4	-	-	-	-
60/0/0	7-A	14.8	1	6.1	14	-	-	-	-	11.7	42	42.8	3	-	-	-	-

**Wall: 4, Frame at: 174/0/0**

Frame ID: Rigid Frame w endpost

Frame Type: Rigid Frame, End Posts



Values shown are resisting forces of the foundation.

Base Connection Design is Based on 3000.0 (psi) Concrete

**Reactions - Unfactored Load Type at Frame Cross Section: 8**

Type		Exterior Column		Interior Column			Interior Column			Exterior Column		
X-Loc		0/0/0		20/0/0			40/0/0			60/0/0		
Grid1 - Grid2		8-K		8-E			8-D			8-A		
Base Plate W x L (in.)		8 x 13		8 x 8			8 x 8			8 x 13		
Base Plate Thickness (in.)		0.375		0.375			0.375			0.375		
Anchor Rod Qty/Diam. (in.)		4 - 1.000		2 - 0.750			2 - 0.750			4 - 1.000		
Column Base Elev.		104'-0"		99'-6"			99'-6"			104'-0"		
Load Type	Desc.	Hx	Vy	Hx	Hx	Vy	Hx	Hx	Vy	Hx	Vy	
D	Frm	1.4	3.5	-	-	0.5	-	-	0.5	-1.4	3.5	-
CG	Frm	1.0	2.2	-	-	-	-	-	-	-1.0	2.2	-
S	Frm	14.3	30.4	-	-	-	-	-	-	-14.3	30.4	-
SD	Frm	-	-	-	-	-	-	-	-	-	-	-
US1*	Frm	14.0	20.0	-	-	-	-	-	-	-14.0	39.8	-
*US1	Frm	14.0	39.8	-	-	-	-	-	-	-14.0	20.0	-
W1>	Frm	-7.8	-14.8	-	6.2	-	-	6.2	-	1.3	-10.1	-
<W1	Frm	-1.3	-10.1	-	-5.7	-	-	-5.7	-	7.8	-14.8	-
W2>	Frm	-6.4	-5.1	-	-	-	-	-	-	-0.1	-0.4	-
<W2	Frm	0.1	-0.4	-	-	-	-	-	-	6.4	-5.1	-
CU	Frm	-	-	-	-	-	-	-	-	-	-	-
E>	Frm	-1.7	-1.2	-	-	-	-	-	-	-1.7	1.2	-
EG+	Frm	0.2	0.5	-	-	-	-	-	-	-0.2	0.5	-
<E	Frm	1.7	1.2	-	-	-	-	-	-	1.7	-1.2	-
EG-	Frm	-0.2	-0.5	-	-	-	-	-	-	0.2	-0.5	-
EB>	Brc	-	-	-	-	-	-	-	-	-	-	-
<EB	Brc	-	-	-	-	-	-	-	-	-	-	-
WPA1	Brc	-0.7	-8.3	-	-	-	-	-	-	0.8	-7.6	-
WPD1	Brc	-2.9	-13.7	-	-	-	-	-	-	3.0	-12.1	-
WPA2	Brc	-0.1	-3.4	-	-	-	-	-	-	0.1	-2.7	-
WPD2	Brc	-2.2	-8.8	-	-	-	-	-	-	2.4	-7.2	-
WPB1	Brc	-0.8	-7.6	-	-	-	-	-	-	0.7	-8.3	-
WPC1	Brc	-3.0	-12.1	-	-	-	-	-	-	2.9	-13.7	-
WPB2	Brc	-0.1	-2.7	-	-	-	-	-	-	0.1	-3.4	-
WPC2	Brc	-2.4	-7.2	-	-	-	-	-	-	2.2	-8.8	-





# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 41 of 46

**Frame Reactions - Factored Load Cases at Frame Cross Section: 8**

X-Loc		0/0/0		20/0/0			40/0/0			60/0/0		
Grid1 - Grid2		8-K		8-E			8-D			8-A		
Ld	Description	Hx	Vy	Hx	Hx	Vy	Hx	Hx	Vy	Hx	Vy	
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	
1	D + CG + S	16.7	36.1	-	-	0.5	-	-	0.5	-16.7	36.1	-
2	D + CG + S + SD	16.7	36.1	-	-	0.5	-	-	0.5	-16.7	36.1	-
3	D + CG + US1*	16.5	25.8	-	-	0.5	-	-	0.5	-16.5	45.5	-
4	D + CG + *US1	16.5	45.5	-	-	0.5	-	-	0.5	-16.5	25.8	-
5	D + CG + W1>	-5.3	-9.1	-	6.2	0.5	-	6.2	0.5	-1.2	-4.4	-
6	D + CG + <W1	1.2	-4.4	-	-5.7	0.5	-	-5.7	0.5	5.3	-9.1	-
7	D + CG + W2>	-4.0	0.6	-	-	0.5	-	-	0.5	-2.6	5.3	-
8	D + CG + <W2	2.6	5.3	-	-	0.5	-	-	0.5	4.0	0.6	-
9	D + CG + S + W1>	7.3	17.4	-	4.6	0.5	-	4.6	0.5	-12.2	20.9	-
10	D + CG + S + <W1	12.2	20.9	-	-4.3	0.5	-	-4.3	0.5	-7.3	17.4	-
11	D + CG + S + W2>	8.3	24.7	-	-	0.5	-	-	0.5	-13.2	28.2	-
12	D + CG + S + <W2	13.2	28.2	-	-	0.5	-	-	0.5	-8.3	24.7	-
13	D + CU + W1>	-6.9	-12.7	-	6.2	0.3	-	6.2	0.3	0.4	-8.0	-
14	D + CU + <W1	-0.4	-8.0	-	-5.7	0.3	-	-5.7	0.3	6.9	-12.7	-
15	D + CU + W2>	-5.6	-3.0	-	-	0.3	-	-	0.3	-1.0	1.7	-
16	D + CU + <W2	1.0	1.7	-	-	0.3	-	-	0.3	5.6	-3.0	-
17	D + CG + S + E> + EG+	3.4	9.7	-	-	0.5	-	-	0.5	-6.1	11.5	-
18	D + CG + S + <E + EG+	6.1	11.5	-	-	0.5	-	-	0.5	-3.4	9.7	-
19	D + CU + E> + EG-	-0.5	0.9	-	-	0.3	-	-	0.3	-1.9	2.6	-
20	D + CU + <E + EG-	1.9	2.6	-	-	0.3	-	-	0.3	0.5	0.9	-
21	D + CG + S + EB> + EG+	4.7	10.6	-	-	0.5	-	-	0.5	-4.7	10.6	-
22	D + CU + EB> + EG-	0.7	1.8	-	-	0.3	-	-	0.3	-0.7	1.8	-
23	D + CG + S + <EB + EG+	4.7	10.6	-	-	0.5	-	-	0.5	-4.7	10.6	-
24	D + CU + <EB + EG-	0.7	1.8	-	-	0.3	-	-	0.3	-0.7	1.8	-
25	D + CG + WPA1	1.7	-2.6	-	-	0.5	-	-	0.5	-1.6	-1.9	-
26	D + CG + S + WPA1	12.6	22.3	-	-	0.5	-	-	0.5	-12.5	22.8	-
27	D + CU + WPA1	0.1	-6.2	-	-	0.3	-	-	0.3	-0.0	-5.5	-
28	D + CG + WPD1	-0.4	-8.0	-	-	0.5	-	-	0.5	0.6	-6.4	-
29	D + CG + S + WPD1	11.0	18.2	-	-	0.5	-	-	0.5	-10.9	19.4	-
30	D + CU + WPD1	-2.0	-11.6	-	-	0.3	-	-	0.3	2.2	-10.0	-
31	D + CG + WPA2	2.4	2.3	-	-	0.5	-	-	0.5	-2.3	3.0	-
32	D + CG + S + WPA2	13.1	26.0	-	-	0.5	-	-	0.5	-13.0	26.5	-
33	D + CU + WPA2	0.8	-1.3	-	-	0.3	-	-	0.3	-0.7	-0.6	-
34	D + CG + WPD2	0.3	-3.1	-	-	0.5	-	-	0.5	-0.1	-1.5	-
35	D + CG + S + WPD2	11.5	21.9	-	-	0.5	-	-	0.5	-11.4	23.1	-
36	D + CU + WPD2	-1.3	-6.7	-	-	0.3	-	-	0.3	1.5	-5.1	-
37	D + CG + WPB1	1.6	-1.9	-	-	0.5	-	-	0.5	-1.7	-2.6	-
38	D + CG + S + WPB1	12.5	22.8	-	-	0.5	-	-	0.5	-12.6	22.3	-
39	D + CU + WPB1	0.0	-5.5	-	-	0.3	-	-	0.3	-0.1	-6.2	-
40	D + CG + WPC1	-0.6	-6.4	-	-	0.5	-	-	0.5	0.4	-8.0	-
41	D + CG + S + WPC1	10.9	19.4	-	-	0.5	-	-	0.5	-11.0	18.2	-
42	D + CU + WPC1	-2.2	-10.0	-	-	0.3	-	-	0.3	2.0	-11.6	-
43	D + CG + WPB2	2.3	3.0	-	-	0.5	-	-	0.5	-2.4	2.3	-
44	D + CG + S + WPB2	13.0	26.5	-	-	0.5	-	-	0.5	-13.1	26.0	-
45	D + CU + WPB2	0.7	-0.6	-	-	0.3	-	-	0.3	-0.8	-1.3	-
46	D + CG + WPC2	0.1	-1.5	-	-	0.5	-	-	0.5	-0.3	-3.1	-
47	D + CG + S + WPC2	11.4	23.1	-	-	0.5	-	-	0.5	-11.5	21.9	-
48	D + CU + WPC2	-1.5	-5.1	-	-	0.3	-	-	0.3	1.3	-6.7	-

**Maximum Combined Reactions Summary with Factored Loads - Framing**

X-Loc	Grid	Hz left (-Hx)	Load Case	Hz Right (Hx)	Load Case	Hz In (-Hz)	Load Case	Hz Out (Hz)	Load Case	Uplift (-Vy)	Load Case	Vrt Down (Vy)	Load Case	Mom cw (-Mzz)	Load Case	Mom ccw (Mzz)	Load Case
		(k)		(k)		(k)		(k)		(k)		(k)		(in-k)		(in-k)	
0/0/0	8-K	6.9	13	16.7	1	-	-	-	-	12.7	13	45.5	4	-	-	-	-
20/0/0	8-E	-	-	-	-	5.7	6	6.2	5	-	-	0.5	1	-	-	-	-
40/0/0	8-D	-	-	-	-	5.7	6	6.2	5	-	-	0.5	1	-	-	-	-
60/0/0	8-A	16.7	1	6.9	14	-	-	-	-	12.7	14	45.5	3	-	-	-	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 42 of 46

**Wall: 4, Frame at: 199/0/0**

**Design Load Combinations - Framing**

No.	Origin	Factor	Application	Description
1	System	1.000	1.0 D + 1.0 CG + 1.0 L	D + CG + L
2	System	1.000	1.0 D + 1.0 CG + 1.0 ASL^	D + CG + ASL^
3	System	1.000	1.0 D + 1.0 CG + 1.0 ^ASL	D + CG + ^ASL
6	System	1.000	1.0 D + 1.0 CG + 1.0 S	D + CG + S
7	System	1.000	1.0 D + 1.0 CG + 1.0 S + 1.0 SD	D + CG + S + SD
8	System	1.000	1.0 D + 1.0 CG + 1.0 US1*	D + CG + US1*
9	System	1.000	1.0 D + 1.0 CG + 1.0 *US1	D + CG + *US1
10	System	1.000	1.0 D + 1.0 CG + 1.0 W1>	D + CG + W1>
11	System	1.000	1.0 D + 1.0 CG + 1.0 <W1	D + CG + <W1
12	System	1.000	1.0 D + 1.0 CG + 1.0 W2>	D + CG + W2>
13	System	1.000	1.0 D + 1.0 CG + 1.0 <W2	D + CG + <W2
14	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W1>	D + CG + L + W1>
15	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W1	D + CG + L + <W1
16	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W2>	D + CG + L + W2>
17	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W2	D + CG + L + <W2
18	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W1>	D + CG + S + W1>
19	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W1	D + CG + S + <W1
20	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 W2>	D + CG + S + W2>
21	System	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 <W2	D + CG + S + <W2
22	System	1.000	0.600 D + 0.600 CU + 1.0 W1>	D + CU + W1>
23	System	1.000	0.600 D + 0.600 CU + 1.0 <W1	D + CU + <W1
24	System	1.000	0.600 D + 0.600 CU + 1.0 W2>	D + CU + W2>
25	System	1.000	0.600 D + 0.600 CU + 1.0 <W2	D + CU + <W2
26	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 E> + 0.750 EG+	D + CG + L + E> + EG+
27	System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <E + 0.750 EG+	D + CG + L + <E + EG+
28	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 E> + 0.700 EG+	D + CG + S + E> + EG+
29	System	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <E + 0.700 EG+	D + CG + S + <E + EG+
30	System	1.000	0.600 D + 0.600 CU + 0.700 E> + 0.700 EG-	D + CU + E> + EG-
31	System	1.000	0.600 D + 0.600 CU + 0.700 <E + 0.700 EG-	D + CU + <E + EG-
32	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 EB> + 0.750 EG+	D + CG + L + EB> + EG+
33	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 EB> + 0.700 EG+	D + CG + S + EB> + EG+
34	System Derived	1.000	0.600 D + 0.600 CU + 0.700 EB> + 0.700 EG-	D + CU + EB> + EG-
35	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <EB + 0.750 EG+	D + CG + L + <EB + EG+
36	System Derived	1.000	1.0 D + 1.0 CG + 0.150 S + 0.750 <EB + 0.700 EG+	D + CG + S + <EB + EG+
37	System Derived	1.000	0.600 D + 0.600 CU + 0.700 <EB + 0.700 EG-	D + CU + <EB + EG-
38	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA1	D + CG + WPA1
39	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPA1	D + CG + L + WPA1
40	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA1	D + CG + S + WPA1
41	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA1	D + CU + WPA1
42	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD1	D + CG + WPD1
43	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPD1	D + CG + L + WPD1
44	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD1	D + CG + S + WPD1
45	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD1	D + CU + WPD1
46	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPA2	D + CG + WPA2
47	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPA2	D + CG + L + WPA2
48	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPA2	D + CG + S + WPA2
49	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPA2	D + CU + WPA2
50	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPD2	D + CG + WPD2
51	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPD2	D + CG + L + WPD2
52	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPD2	D + CG + S + WPD2
53	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPD2	D + CU + WPD2
54	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB1	D + CG + WPB1
55	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPB1	D + CG + L + WPB1
56	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB1	D + CG + S + WPB1
57	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB1	D + CU + WPB1
58	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC1	D + CG + WPC1
59	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPC1	D + CG + L + WPC1
60	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC1	D + CG + S + WPC1
61	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC1	D + CU + WPC1
62	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPB2	D + CG + WPB2
63	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPB2	D + CG + L + WPB2
64	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPB2	D + CG + S + WPB2
65	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPB2	D + CU + WPB2
66	System Derived	1.000	1.0 D + 1.0 CG + 1.0 WPC2	D + CG + WPC2



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 43 of 46

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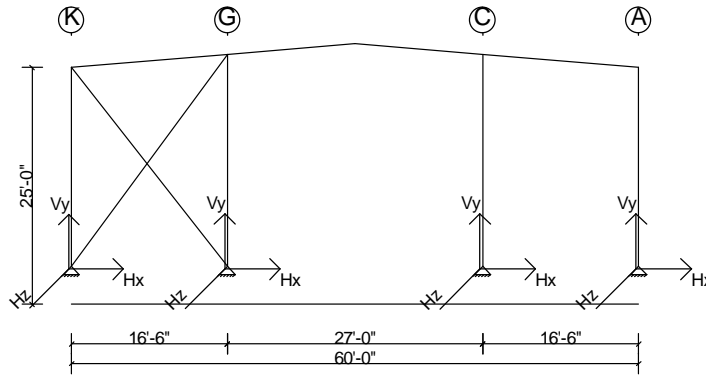
67	System Derived	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WPC2	D + CG + L + WPC2
68	System Derived	1.000	1.0 D + 1.0 CG + 0.750 S + 0.750 WPC2	D + CG + S + WPC2
69	System Derived	1.000	0.600 D + 0.600 CU + 1.0 WPC2	D + CU + WPC2

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**Wall: 4, Frame at: 199/0/0**

Frame ID: P&B @ dismantling

Frame Type: Post & Beam



Values shown are resisting forces of the foundation.

Base Connection Design is Based on 3000.0 (psi) Concrete

**Reactions - Unfactored Load Type at Frame Cross Section: 9**

Type		Exterior Column		Interior Column			Interior Column			Exterior Column		
X-Loc		0/0/0		16/6/0			43/6/0			60/0/0		
Grid1 - Grid2		9-K		9-G			9-C			9-A		
Base Plate W x L (in.)		8 x 11		8 x 12			8 x 12			8 x 11		
Base Plate Thickness (in.)		0.375		0.375			0.375			0.375		
Anchor Rod Qty/Diam. (in.)		2 - 0.750		4 - 0.750			4 - 0.750			2 - 0.750		
Column Base Elev.		104'-0"		104'-0"			104'-0"			104'-0"		
Load Type	Desc.	Hx	Vy	Hx	Hx	Vy	Hx	Hx	Vy	Hx	Vy	
D	Frm	-	0.5	-	-	1.5	-	-	1.5	-	0.5	-
CG	Frm	-	0.2	-	-	1.0	-	-	1.0	-	0.2	-
L	Frm	-	1.6	-	-	5.9	-	-	5.9	-	1.6	-
ASL^	Frm	-	-0.7	-	-	3.8	-	-	3.8	-	-0.7	-
^ASL	Frm	-	2.2	-	-	2.2	-	-	2.2	-	2.2	-
S	Frm	-	3.4	-	-	15.0	-	-	15.0	-	3.4	-
SD	Frm	-	-	-	-	-	-	-	-	-	-	-
US1*	Frm	-	0.8	-	-	8.6	-	-	21.1	-	5.8	-
*US1	Frm	-	5.8	-	-	21.1	-	-	8.6	-	0.8	-
W1>	Frm	-	-2.2	-	5.4	-8.8	-	5.4	-6.6	-2.3	-1.5	-
<W1	Frm	2.3	-1.5	-	-5.0	-6.6	-	-5.0	-8.8	-	-2.2	-
W2>	Frm	-2.7	-0.4	-	-	-2.3	-	-	-0.2	0.4	0.3	-
<W2	Frm	-0.4	0.3	-	-	-0.2	-	-	-2.3	2.7	-0.4	-
CU	Frm	-	-	-	-	-	-	-	-	-	-	-
E>	Frm	-0.0	-	-	0.1	-	-	0.1	-	-0.0	-	-
EG+	Frm	-	0.0	-	-	0.2	-	-	0.2	-	0.0	-
<E	Frm	0.0	-	-	-0.1	-	-	-0.1	-	0.0	-	-
EG-	Frm	-	-0.0	-	-	-0.2	-	-	-0.2	-	-0.0	-
EB>	Brc	1.8	-2.4	-	-	2.4	-	-	-	-	-	-
<EB	Brc	-	2.3	-1.8	-	-2.3	-	-	-	-	-	-
WPA1	Brc	4.5	-5.0	-	-	0.4	-	-	-3.2	-1.6	-0.9	-
WPD1	Brc	1.6	1.6	-2.8	-	-9.3	-	-	-5.1	-1.6	-1.4	-
WPA2	Brc	3.6	-4.4	-	-	2.5	-	-	-1.1	-0.7	-0.4	-
WPD2	Brc	0.7	2.2	-2.8	-	-7.2	-	-	-3.0	-0.7	-0.8	-
WPB1	Brc	4.5	-4.7	-	-	0.6	-	-	-3.4	-1.6	-1.2	-
WPC1	Brc	1.6	2.3	-2.8	-	-8.8	-	-	-5.6	-1.6	-2.1	-
WPB2	Brc	3.6	-4.2	-	-	2.7	-	-	-1.3	-0.7	-0.6	-
WPC2	Brc	0.7	2.9	-2.8	-	-6.7	-	-	-3.5	-0.7	-1.5	-

**Frame Reactions - Factored Load Cases at Frame Cross Section: 9**



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 45 of 46

X-Loc		0/0/0		16/6/0			43/6/0			60/0/0		
Grid1 - Grid2		9-K		9-G			9-C			9-A		
Ld	Description	Hx	Vy	Hx	Hz	Vy	Hx	Hz	Vy	Hx	Vy	
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	
1	D + CG + L	-	2.2	-	-	8.5	-	-	8.5	-	2.2	-
2	D + CG + ASL^	-	0.0	-	-	6.3	-	-	6.3	-	0.0	-
3	D + CG + ^ASL	-	2.9	-	-	4.7	-	-	4.7	-	2.9	-
6	D + CG + S	-	4.0	-	-	17.6	-	-	17.6	-	4.0	-
7	D + CG + S + SD	-	4.0	-	-	17.6	-	-	17.6	-	4.0	-
8	D + CG + US1*	-	1.5	-	-	11.1	-	-	23.6	-	6.5	-
9	D + CG + *US1	-	6.5	-	-	23.6	-	-	11.1	-	1.5	-
10	D + CG + W1>	-	-1.5	-	5.4	-6.2	-	5.4	-4.1	-2.3	-0.9	-
11	D + CG + <W1	2.3	-0.9	-	-5.0	-4.1	-	-5.0	-6.2	-	-1.5	-
12	D + CG + W2>	-2.7	0.3	-	-	0.2	-	-	2.4	0.4	0.9	-
13	D + CG + <W2	-0.4	0.9	-	-	2.4	-	-	0.2	2.7	0.3	-
14	D + CG + L + W1>	-	0.2	-	4.0	0.4	-	4.0	2.0	-1.7	0.7	-
15	D + CG + L + <W1	1.7	0.7	-	-3.8	2.0	-	-3.8	0.4	-	0.2	-
16	D + CG + L + W2>	-2.0	1.6	-	-	5.3	-	-	6.9	0.3	2.1	-
17	D + CG + L + <W2	-0.3	2.1	-	-	6.9	-	-	5.3	2.0	1.6	-
18	D + CG + S + W1>	-	1.6	-	4.0	7.2	-	4.0	8.8	-1.7	2.0	-
19	D + CG + S + <W1	1.7	2.0	-	-3.8	8.8	-	-3.8	7.2	-	1.6	-
20	D + CG + S + W2>	-2.0	2.9	-	-	12.1	-	-	13.7	0.3	3.4	-
21	D + CG + S + <W2	-0.3	3.4	-	-	13.7	-	-	12.1	2.0	2.9	-
22	D + CU + W1>	-	-1.9	-	5.4	-7.8	-	5.4	-5.7	-2.3	-1.3	-
23	D + CU + <W1	2.3	-1.3	-	-5.0	-5.7	-	-5.0	-7.8	-	-1.9	-
24	D + CU + W2>	-2.7	-0.1	-	-	-1.4	-	-	0.7	0.4	0.5	-
25	D + CU + <W2	-0.4	0.5	-	-	0.7	-	-	-1.4	2.7	-0.1	-
26	D + CG + L + E> + EG+	-0.0	1.9	-	0.0	7.1	-	0.0	7.1	-0.0	1.9	-
27	D + CG + L + <E + EG+	0.0	1.9	-	-0.0	7.1	-	-0.0	7.1	0.0	1.9	-
28	D + CG + S + E> + EG+	-0.0	1.2	-	0.0	4.9	-	0.0	4.9	-0.0	1.2	-
29	D + CG + S + <E + EG+	0.0	1.2	-	-0.0	4.9	-	-0.0	4.9	0.0	1.2	-
30	D + CU + E> + EG-	-0.0	0.2	-	0.0	0.8	-	0.0	0.8	-0.0	0.2	-
31	D + CU + <E + EG-	0.0	0.2	-	-0.0	0.8	-	-0.0	0.8	0.0	0.2	-
32	D + CG + L + EB> + EG+	1.4	0.1	-	-	8.9	-	-	7.1	-	1.9	-
33	D + CG + S + EB> + EG+	1.4	-0.6	-	-	6.7	-	-	4.9	-	1.2	-
34	D + CU + EB> + EG-	1.3	-1.4	-	-	2.4	-	-	0.8	-	0.2	-
35	D + CG + L + <EB + EG+	-	3.6	-1.3	-	5.4	-	-	7.1	-	1.9	-
36	D + CG + S + <EB + EG+	-	3.0	-1.3	-	3.2	-	-	4.9	-	1.2	-
37	D + CU + <EB + EG-	-	1.9	-1.2	-	-0.9	-	-	0.8	-	0.2	-
38	D + CG + WPA1	4.5	-4.4	-	-	2.9	-	-	-0.6	-1.6	-0.3	-
39	D + CG + L + WPA1	3.3	-1.9	-	-	7.3	-	-	4.6	-1.2	1.1	-
40	D + CG + S + WPA1	3.3	-0.6	-	-	14.1	-	-	11.4	-1.2	2.5	-
41	D + CU + WPA1	4.5	-4.8	-	-	1.3	-	-	-2.2	-1.6	-0.7	-
42	D + CG + WPD1	1.6	2.3	-2.8	-	-6.8	-	-	-2.6	-1.6	-0.7	-
43	D + CG + L + WPD1	1.2	3.1	-2.1	-	-0.0	-	-	3.2	-1.2	0.8	-
44	D + CG + S + WPD1	1.2	4.4	-2.1	-	6.8	-	-	10.0	-1.2	2.2	-
45	D + CU + WPD1	1.6	1.9	-2.8	-	-8.4	-	-	-4.2	-1.6	-1.1	-
46	D + CG + WPA2	3.6	-3.8	-	-	5.0	-	-	1.5	-0.7	0.3	-
47	D + CG + L + WPA2	2.7	-1.5	-	-	8.9	-	-	6.2	-0.5	1.6	-
48	D + CG + S + WPA2	2.7	-0.1	-	-	15.7	-	-	13.0	-0.5	2.9	-
49	D + CU + WPA2	3.6	-4.2	-	-	3.4	-	-	-0.1	-0.7	-0.1	-
50	D + CG + WPD2	0.7	2.9	-2.8	-	-4.7	-	-	-0.5	-0.7	-0.1	-
51	D + CG + L + WPD2	0.5	3.5	-2.1	-	1.6	-	-	4.7	-0.5	1.3	-
52	D + CG + S + WPD2	0.5	4.8	-2.1	-	8.4	-	-	11.6	-0.5	2.6	-
53	D + CU + WPD2	0.7	2.5	-2.8	-	-6.3	-	-	-2.1	-0.7	-0.5	-
54	D + CG + WPB1	4.5	-4.1	-	-	3.2	-	-	-0.8	-1.6	-0.6	-
55	D + CG + L + WPB1	3.3	-1.7	-	-	7.4	-	-	4.4	-1.2	0.9	-
56	D + CG + S + WPB1	3.3	-0.4	-	-	14.3	-	-	11.3	-1.2	2.3	-
57	D + CU + WPB1	4.5	-4.5	-	-	1.5	-	-	-2.5	-1.6	-1.0	-
58	D + CG + WPC1	1.6	3.0	-2.8	-	-6.3	-	-	-3.1	-1.6	-1.4	-
59	D + CG + L + WPC1	1.2	3.6	-2.1	-	0.4	-	-	2.8	-1.2	0.3	-
60	D + CG + S + WPC1	1.2	4.9	-2.1	-	7.2	-	-	9.6	-1.2	1.6	-
61	D + CU + WPC1	1.6	2.6	-2.8	-	-7.9	-	-	-4.7	-1.6	-1.8	-
62	D + CG + WPB2	3.6	-3.5	-	-	5.3	-	-	1.3	-0.7	0.0	-
63	D + CG + L + WPB2	2.7	-1.3	-	-	9.0	-	-	6.0	-0.5	1.4	-
64	D + CG + S + WPB2	2.7	0.1	-	-	15.9	-	-	12.9	-0.5	2.7	-
65	D + CU + WPB2	3.6	-3.9	-	-	3.7	-	-	-0.3	-0.7	-0.4	-



# 10-6955 Loading & Reactions

Date: 5/13/2010

Time: 01:40 PM

Page: 46 of 46

66	D + CG + WPC2	0.7	3.6	-2.8	-	-4.2	-	-	-1.0	-0.7	-0.8	-
67	D + CG + L + WPC2	0.5	4.0	-2.1	-	2.0	-	-	4.3	-0.5	0.7	-
68	D + CG + S + WPC2	0.5	5.4	-2.1	-	8.8	-	-	11.2	-0.5	2.1	-
69	D + CU + WPC2	0.7	3.2	-2.8	-	-5.8	-	-	-2.6	-0.7	-1.2	-

**Maximum Combined Reactions Summary with Factored Loads - Framing**

X-Loc	Grid	Hz left (-Hx) (k)	Load Case	Hz Right (Hx) (k)	Load Case	Hz In (-Hz) (k)	Load Case	Hz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
0/0/0	9-K	2.7	12	4.5	38	-	-	-	-	4.8	41	6.5	9	-	-	-	-
16/6/0	9-G	2.8	50	-	-	5.0	11	5.4	10	8.4	45	23.6	9	-	-	-	-
43/6/0	9-C	-	-	-	-	5.0	11	5.4	10	7.8	23	23.6	8	-	-	-	-
60/0/0	9-A	2.3	10	2.7	13	-	-	-	-	1.9	23	6.5	8	-	-	-	-

**Bracing**

X-Loc	Grid	Description
16/6/0	9-G	Diagonal bracing at base is attached to column. Reactions ARE included with frame reactions.