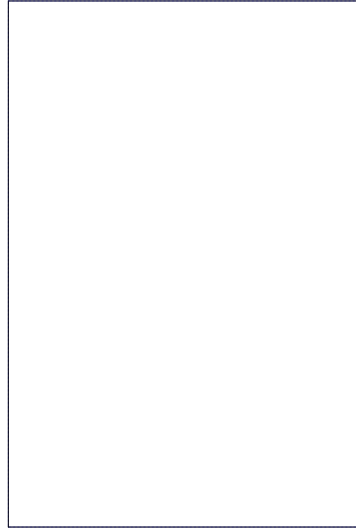


Project Name:



Location:

By:

Start Date: 1/16/2007

Comments:

Local Information

Wind Dir.	Exposure
1	C
2	C
3	C
4	C

Basic Wind Speed: 90 mph

Topography: None

Optional Factors

This project uses load combinations
from ASCE 7.

Section - Main Section

Enclosure Classification: Enclosed

Building Category: II

Wall	Length(ft)	Overhang(ft)
1	75.0	0.0
2	50.0	0.0
3	75.0	0.0
4	50.0	0.0

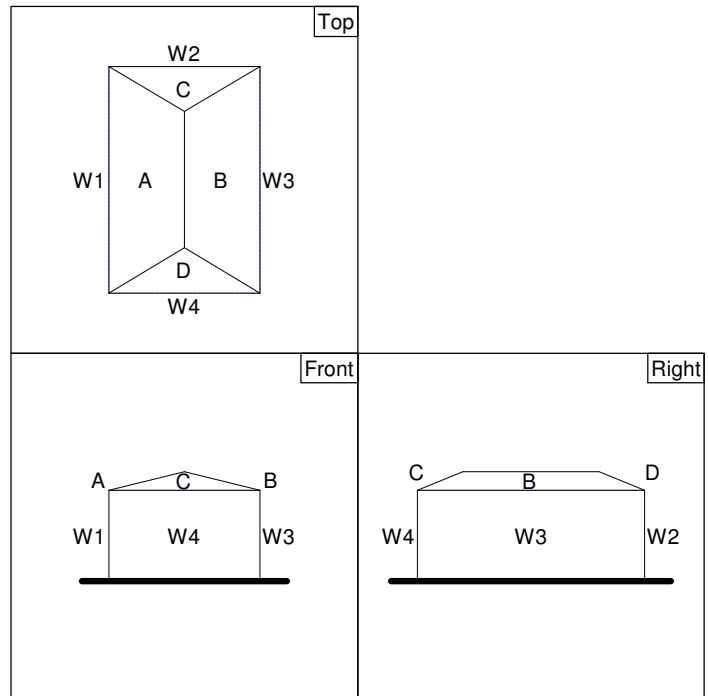
Eave Height: 30 ft

Parapet Height: 0 ft

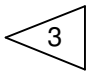
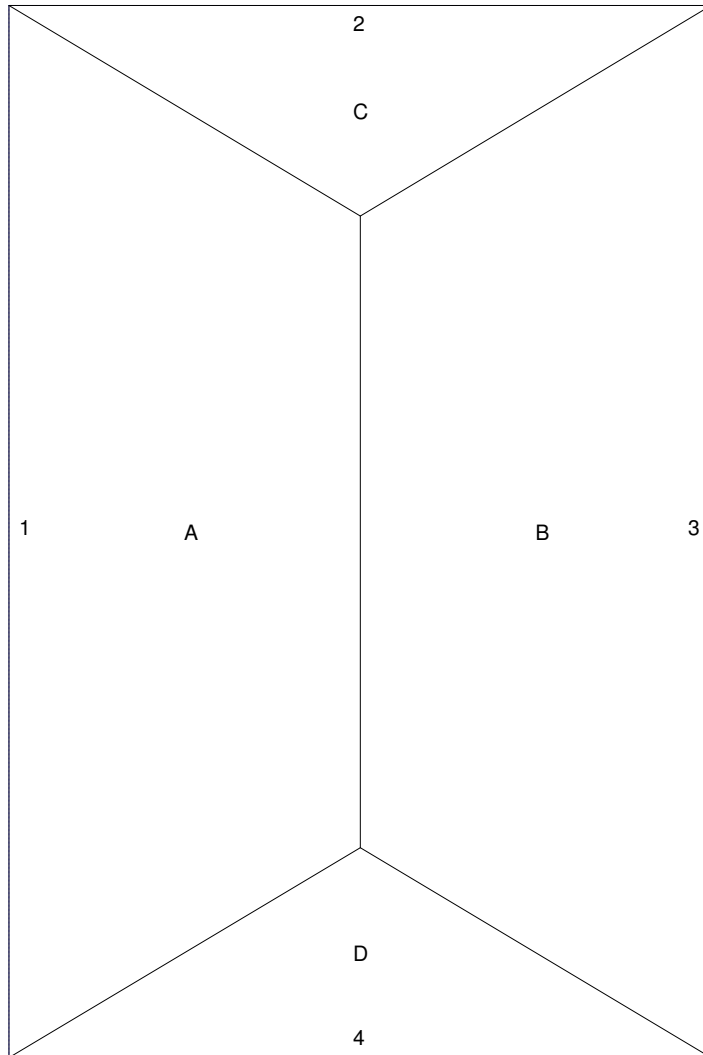
Parapet Enclosure: Solid

Roof Shape: Hipped

Roof	Slope(:12)
A&B	3.0
C&D	5.0



Composite Drawing



Components and Cladding Input

Component Description	Wall/Roof	Surface Label	Zone	Span(ft)	Width(ft)	Area(sqft)
Sky Light	Roof	A	(All)	2.0	3.0	6.0
Window	Wall	1	(All)	3.0	5.0	15.0

Components and Cladding Output

Component Description	Surface	Zone	z(ft)	q(psf)	GCp	GCpi	ExtPres(psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
Sky Light	A	1	35.2	17.9	0.50	0.18	9.0	5.7	12.2
			35.2	17.9	-0.90		-16.1	-19.3	-12.9
		2	35.2	17.9	0.50		9.0	5.7	12.2
			35.2	17.9	-1.70		-30.4	-33.7	-27.2
		3	35.2	17.9	0.50		9.0	5.7	12.2
			35.2	17.9	-2.60		-46.5	-49.8	-43.3
Window	1	4	35.2	17.9	0.97	0.18	17.4	14.1	20.6
			35.2	17.9	-1.07		-19.2	-22.4	-15.9
		5	35.2	17.9	0.97		17.4	14.1	20.6
			35.2	17.9	-1.34		-24.0	-27.2	-20.8

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 1

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Windward Wall	15.0	15.0	0.87	0.80	0.18	10.4	7.2	13.7
		20.0	15.9		0.80		11.1	7.8	14.3
		25.0	16.7		0.80		11.6	8.4	14.8
		30.0	17.3		0.80		12.0	8.8	15.3
2	Side Wall	35.2	17.9	0.87	-0.70	0.18	-10.9	-14.1	-7.7
3	Leeward Wall	35.2	17.9	0.87	-0.50	0.18	-7.8	-11.0	-4.6
4	Side Wall	35.2	17.9	0.87	-0.70	0.18	-10.9	-14.1	-7.7
A	Windward Roof	35.2	17.9	0.87	-0.18	0.18	-2.8	-6.0	0.4
		35.2	17.9		-0.85		-13.2	-16.5	-10.0
B	Leeward Roof	35.2	17.9	0.87	-0.55	0.18	-8.6	-11.8	-5.3
C&D Roof		0 to 17.6 *	17.9	0.87	-0.96	0.18	-15.0	-18.2	-11.7
		17.6 to 35.2 *	17.9		-0.82		-12.8	-16.0	-9.5
		35.2 to 50.0 *	17.9		-0.58		-9.0	-12.3	-5.8
		0 to 50.0 *	17.9		-0.18		-2.8	-6.0	0.4

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 2

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	35.2	17.9	0.88	-0.70	0.18	-11.0	-14.2	-7.8
2	Windward Wall	15.0	15.0		0.80		10.6	7.3	13.8
		20.0	15.9		0.80		11.2	8.0	14.4
		25.0	16.7		0.80		11.8	8.5	15.0
		30.0	17.3		0.80		12.2	9.0	15.4
3	Side Wall	35.2	17.9	0.88	-0.70	0.18	-11.0	-14.2	-7.8
4	Leeward Wall	35.2	17.9	0.88	-0.40	0.18	-6.3	-9.5	-3.1
C	Windward Roof	35.2	17.9	0.88	0.12	0.18	1.9	-1.3	5.1
		35.2	17.9		-0.34		-5.4	-8.6	-2.1
D	Leeward Roof	35.2	17.9	0.88	-0.60	0.18	-9.5	-12.7	-6.2
A&B	Roof	0 to 17.6 *	17.9	0.88	-0.90	0.18	-14.2	-17.4	-11.0
		17.6 to 35.2 *	17.9		-0.90		-14.2	-17.4	-11.0
		35.2 to 70.4 *	17.9		-0.50		-7.9	-11.1	-4.7
		70.4 to 75.0 *	17.9		-0.30		-4.7	-7.9	-1.5
		0 to 75.0 *	17.9		-0.18		-2.8	-6.1	0.4

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 3

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Leeward Wall	35.2	17.9	0.87	-0.50	0.18	-7.8	-11.0	-4.6
2	Side Wall	35.2	17.9		-0.70		-10.9	-14.1	-7.7
3	Windward Wall	15.0	15.0	0.87	0.80	0.18	10.4	7.2	13.7
		20.0	15.9		0.80		11.1	7.8	14.3
		25.0	16.7		0.80		11.6	8.4	14.8
		30.0	17.3		0.80		12.0	8.8	15.3
4	Side Wall	35.2	17.9	0.87	-0.70	0.18	-10.9	-14.1	-7.7
B	Windward Roof	35.2	17.9	0.87	-0.18	0.18	-2.8	-6.0	0.4
		35.2	17.9		-0.85		-13.2	-16.5	-10.0
A	Leeward Roof	35.2	17.9	0.87	-0.55	0.18	-8.6	-11.8	-5.3
C&D	Roof	0 to 17.6 *	17.9	0.87	-0.96	0.18	-15.0	-18.2	-11.7
		17.6 to 35.2 *	17.9		-0.82		-12.8	-16.0	-9.5
		35.2 to 50.0 *	17.9		-0.58		-9.0	-12.3	-5.8
		0 to 50.0 *	17.9		-0.18		-2.8	-6.0	0.4

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 4

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	35.2	17.9	0.88	-0.70	0.18	-11.0	-14.2	-7.8
2	Leeward Wall	35.2	17.9		-0.40		-6.3	-9.5	-3.1
3	Side Wall	35.2	17.9	0.88	-0.70	0.18	-11.0	-14.2	-7.8
4	Windward Wall	15.0	15.0	0.88	0.80	0.18	10.6	7.3	13.8
		20.0	15.9		0.80		11.2	8.0	14.4
		25.0	16.7		0.80		11.8	8.5	15.0
		30.0	17.3		0.80		12.2	9.0	15.4
D	Windward Roof	35.2	17.9	0.88	0.12	0.18	1.9	-1.3	5.1
		35.2	17.9		-0.34		-5.4	-8.6	-2.1
C	Leeward Roof	35.2	17.9	0.88	-0.60	0.18	-9.5	-12.7	-6.2
A&B	Roof	0 to 17.6 *	17.9	0.88	-0.90	0.18	-14.2	-17.4	-11.0
		17.6 to 35.2 *	17.9		-0.90		-14.2	-17.4	-11.0
		35.2 to 70.4 *	17.9		-0.50		-7.9	-11.1	-4.7
		70.4 to 75.0 *	17.9		-0.30		-4.7	-7.9	-1.5
		0 to 75.0 *	17.9		-0.18		-2.8	-6.1	0.4

This is load case 1 in ASCE 7-05 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.