



CITY OF PLANTATION BUILDING DEPARTMENT

OPENING WIND LOAD DESIGN PRESSURES

TRIBUTARY AREA SQ FT	OPENING LOCATION ZONE	ROOF HEIGHT (15, 20, 25, 30 FT)			
		15 FT	20FT	25 FT	30 FT
10	4	42.7	45.5	47.7	49.4
	INTERIOR	- 46.2	- 49.3	- 51.6	- 53.5
20	4	40.8	43.5	45.5	47.2
	INTERIOR	- 44.4	- 47.3	- 49.5	- 51.4
50	4	38.2	40.8	42.7	44.2
	INTERIOR	- 41.9	44.6	- 46.7	- 48.4
100	4	36.3	38.7	40.5	42
	INTERIOR	39.9	42.6	- 44.6	- 46.2

CORNERS

10	5	42.7	45.5	47.7	49.4
	EXTERIOR	- 57.1	- 60.9	- 63.7	- 66.1
20	5	40.8	43.5	45.5	47
	EXTERIOR	- 53.2	- 56.8	- 59.4	- 61.6
50	5	38.2	40.8	42.7	44.2
	EXTERIOR	- 48.2	- 51.3	- 53.7	- 55.7
100	5	36.3	38.7	40.5	42.0
	EXTERIOR	- 44.4	- 47.3	- 49.5	- 51.4

ZONE 5 – 10% OF LEAST HORIZONTAL DIMENSION OR 40% OF THE ROOF EAVE HEIGHT, WHICHEVER IS SMALLER, BUT NOT LESS THAN 4% OF LEAST HORIZONTAL DIMENSION OR 3 FEET.

ZONE 4 – ALL OTHERS

THE FOLLOWING INFORMATION IS **REQUIRED** TO USE THIS CHART:

1. SQUARE FOOTAGE AREA OF THE OPENING
2. OPENING LOCATION (*Distance From Building Corners*)
3. HEIGHT OF ROOF FROM THE GROUND TO EAVE.
4. LENGTH & WIDTH OF BUILDING