

FOOTING SCHEDULE								
		SQUARE						
		WIND (MPH)						
		90	100	110	120	130	140	150
Footing Size	Depth	Tributary (Roof) Area, (sq. ft.)						
2' - 0"	2' - 0"	12.9	10.1	9	7.3	6.1	5.2	4.5
2' - 6"	2' - 6"	26.8	21	18.8	15.2	12.6	10.7	9.3
3' - 0"	3' - 0"	48.4	37.8	33.9	27.5	22.8	19.3	16.7
3' - 6"	3' - 6"	79.4	62	55.6	45.1	37.3	31.7	27.5
4' - 0"	4' - 0"	131.5	94.8	85	69	57.1	48.5	42.1
		CIRCULAR						
		WIND (MPH)						
		90	100	110	120	130	140	150
Footing Size	Depth	Tributary (Roof) Area, (sq. ft.)						
2' - 0"	2' - 0"	15	11.7	10.4	8.4	7	5.9	5.1
2' - 6"	2' - 6"	31.5	24.5	21.9	17.7	14.7	12.4	10.7
3' - 0"	3' - 0"	57.3	44.5	39.8	32.2	26.7	27.5	23.9
3' - 6"	3' - 6"	94.6	73.4	65.7	53.1	43.8	37.2	32.3
4' - 0"	4' - 0"	145.4	112.9	101	81.7	67.4	57.1	49.6

Following formula shall be used to determine the depth of the footing required to resist lateral loads, when footing is constrained by the slab.

$$d^2 = 4.25 (M_{\max}/Sb)$$

Where:

d -- depth of footing in feet

M<sub>max</sub> as calculated per Sheet 8, in foot pounds

S – allowable lateral soil-bearing pressure

b – diameter of circular footing or diagonal dimension of square footing, in feet

Tributary(Roof) area = TW (tributary width of the beam) time the column spacing

STEEL REINFORCEMENT REQUIRED AT ALL FOOTINGS. BOTTOMS OF ALL FOOTINGS MUST BE BELOW FROST LINE.  
FOOTING HAVE NOT BEEN DESIGNED FOR SEISMIC. CONSULT PROFESSIONAL ENGINEER FOR ACTUAL SITE SPECIFIC FOOTING DESIGN.