



Footing Size Calculations

Roof Loads

Live load from occupants	30.00 psf =	1.44 kPa
Live load from snow	21.00 psf =	1.01 kPa
Dead load	10.00 psf =	0.48 kPa
	61.00 psf	2.92 kPa

Second Floor Loads

Live load	30.00 psf =	1.44 kPa
Dead load	12.00 psf =	0.57 kPa
	42.00 psf =	2.01 kPa

First Floor Loads

Live load	40.00 psf =	1.92 kPa
Dead load	12.00 psf =	0.57 kPa
	52.00 psf =	2.49 kPa

Load From Roof

Supported length	5.30 ft =	1.62 m
Specified Load	61.00 psf =	2.92 kPa
Roof Load	323.30 plf =	4.72 kN/m

Load From Second Floor

Supported Length	5.30 ft =	1.62 m
Specified Load	42.00 psf =	2.01 kPa
Second Floor Load	222.60 plf =	3.25 kN/m

Load From First Floor

Supported Length	5.30 ft =	1.62 m
Specified Load	52.00 psf =	2.49 kPa
First Floor Load	275.60 plf =	4.02 kN/m

Load From 8" Block Wall

8" Block wall height	31.00 ft =	9.45 m
Masonry Wall Load	1395.00 plf =	20.35 kN/m

Load from frame wall

Frame wall height	20.00 ft =	6.10 m
Frame Wall Load	160.00 plf =	2.33 kN/m

Total load on footing **2376.50 plf = 34.67 kN/m**

Footing Width 1.33 ft = 0.41 m

Weight of concrete 100.00 plf = 1.49 kN/m

Bearing on Soil **1862.03 psf = 89.15 kPa**

Section B with Footing Calculations

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683 Carlaw Avenue
Toronto, Ontario

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