

The following are minimum specifications unless specified by others.

Soil Bearing Capacity	STEMCO Baseplate Size	Footing Capacity (unfactored)	Footing Capacity (unfactored)	Dimensions		Amount of Rebar & Size	Rebar Spacing in Each Direction
				S (inches)	H (inches)		
psf	(inches)	(lbs)	(KN)				(inches)
2000	4x6	16,000	71	35	10	5-10M	7.5
	4x8	20,000	89	39	10	6-10M	7
	4x8	25,000	111	44	10	6-10M	8
	4x8	30,000	133	48	10	7-10M	7.5
	4x8	35,000	156	52	10	7-10M	8
	6x6	40,000	178	56	11	8-10M	7.5
	6x6	50,000	222	63	12	10-10M	6.5
	6x6	60,000	267	69	13	12-10M	6
3000	4x6	16,000	71	28	10	4-10M	8
	4x8	20,000	89	32	10	5-10M	7
	4x8	25,000	111	35	10	5-10M	7.5
	4x8	30,000	133	39	10	5-10M	8.5
	4x8	35,000	156	42	10	6-10M	7.5
	6x6	40,000	178	45	11	7-10M	7
	6x6	50,000	222	50	12	8-10M	6.5
	6x6	60,000	267	55	13	10-10M	5.5
	6x6	70,000	311	60	13	10-10M	6

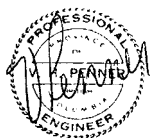
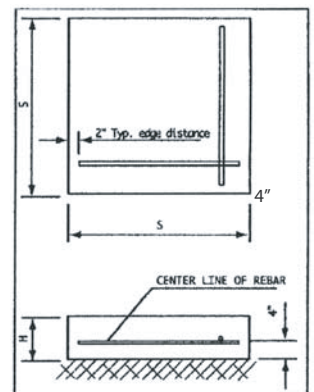
FOOTING NOTES:

1. Concrete strength will be a minimum of 20 Mpa (3000 psi) at 28 days.
2. Concrete shall be Type 10 or Type 50 with a max of 20mm (3/4") aggregate and 3" slump.
3. Rebar shall be grade 400.
4. Rebar is to be tied at all intersections.
5. Column shall be placed in the centre of the footing. Eccentric loading reduces the footing capacity

STEMCO Column Assembly:

1. Support and brace the beam in its intended position using lumber.
2. Measure the distance from the top of the footing to the underside of the beam and write down this number.
3. IMPORTANT. Position the threaded rod in the support head at the midpoint of its extension to allow for future up or down adjustment.
4. Measure the length of your original column from the bottom of the baseplate to the top of the head/top plate assembly.
5. Subtract Step 2 and Step 4 measurements and record the number.
6. Remove head and trim top of column by the value calculated in Step 5 using an approved metal cutting blade. The cut must be level, true and free of nicks or burrs.
7. Centre the assembled column under the beam and centre on the footing. Plumb column in both directions.
8. Drill 3/16" x 2.5" holes into the wood beam through holes in the top plate and install 1/4" x 3" lag bolts.
9. Column bases shall be encased by a floor slab or equivalently secured as specified by others.

NOTE - As required by C.S.A. 086, and TrusJoist, all beams shall have adequate attachment and positioning of lateral bracing to achieve member stability (as determined by the building designer).



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