

## MINIMUM FOOTING SIZE FOR DECKS (sq ft)

		<b>SOIL BEARING CAPACITY (psf)<sup>a,c,d</sup></b>											
		<b>1500</b>			<b>2000</b>			<b>2500</b>			<b>≥ 3000</b>		
LIVE OR GROUND SNOW LOAD <sup>b</sup> (psf)	TRIBUTARY AREA <sup>e</sup>	SIDE OF A SQUARE FOOTING (in)	DIAMETER OF A ROUND FOOTING (in)	THICKNESS (in)	SIDE OF A SQUARE FOOTING (in)	DIAMETER OF A SQUARE FOOTING (in)	THICKNESS (in)	SIDE OF A SQUARE FOOTING (in)	DIAMETER OF A ROUND FOOTING (in)	THICKNESS (in)	SIDE OF A SQUARE FOOTING (in)	DIAMETER OF A ROUND FOOTING (in)	THICKNESS (in)
		40	20	12	14	6	12	14	6	12	14	6	12
40	14		16	6	12	14	6	12	14	6	12	14	6
60	17		19	6	15	17	6	13	15	6	12	14	6
80	20		22	7	17	19	6	15	17	6	14	16	6
100	22		25	8	19	21	6	17	19	6	15	17	6
120	24		27	9	21	23	7	19	21	6	17	19	6
140	26		29	10	22	25	8	20	23	7	18	21	6
160	28		31	11	24	27	9	21	24	8	20	22	7
50	20	12	14	6	12	14	6	12	14	6	12	14	6
	40	15	17	6	13	15	6	12	14	6	12	14	6
	60	19	21	6	16	18	6	14	16	6	13	15	6
	80	21	24	8	19	21	6	17	19	6	15	17	6
	100	25	27	9	21	23	7	19	21	6	17	19	6
	120	26	30	10	23	26	8	20	23	7	19	21	6
	140	28	32	11	25	28	9	22	25	8	20	23	7
	160	30	34	12	26	30	10	24	27	9	21	24	8
60	20	12	14	6	12	14	6	12	14	6	12	14	6
	40	16	19	6	14	16	6	13	14	6	12	14	6
	60	20	23	7	17	20	6	16	18	6	14	16	6
	80	23	26	9	20	23	7	18	20	6	16	19	6
	100	26	29	10	22	25	8	20	23	7	18	21	6
	120	28	32	11	25	28	9	22	25	8	20	23	7
	140	31	35	12	27	30	10	24	27	9	22	24	8
	160	33	37	13	28	32	11	25	29	10	23	25	9
70	20	12	14	6	12	14	6	12	14	6	12	14	6
	40	18	20	6	15	17	6	14	15	6	12	14	6
	60	21	24	8	19	21	6	17	19	6	15	17	6
	80	25	29	9	21	24	8	19	22	7	18	20	6
	100	28	31	11	24	27	9	21	24	8	20	22	7
	120	30	34	12	25	30	10	24	27	9	21	24	8
	140	33	37	13	28	32	11	25	29	10	23	26	9
	160	35	40	15	30	34	12	27	31	11	25	28	9

**a, Interpolation permitted, extrapolation not permitted.**

**b, Based on highest load case: Dead + Live or Dead + Snow.**

**c, Assumes minimum square footing to be 12"x 12"x 6" for 6x6 posts.**

**d, If the support is a brick or cmu pier, the footing shall have a minimum 2" projection on all sides.**

**e, Area in square feet of deck surface supported by post and footing.**