JOIST LENGTH

POST SPACING

		6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'
4'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 1 - 2 X 6	2 X 6 16" OC 2 X 8 24" OC 1 - 2 X 6 1 - 2 X 8	2 X 6 16" OC 2 X 8 24" OC 1 - 2 X 6 1 - 2 X 8	2 X 8 16" OC 2 X 10 24" OC 1 - 2 X 8 1 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 1 - 2 X 8 1 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 1 - 2 X 8 1 - 2 X 10	2 X 8 12" OC 2 X 10 16" OC 1 - 2 X 8 1 - 2 X 10	2 X 10 16" OC 2 X 12 24" OC 1 - 2 X 10 1 - 2 X 12	2 X 10 16" OC 1 - 2 X 10	2 X 10 12" OC 2 X 12 16" OC 1 - 2 X 10 1 - 2 X 12	2 X 12 16" OC 1 - 2 X 12
5'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 1 - 2 X 6	2 X 6 16" OC 2 X 8 24" OC 1 - 2 X 6 1 - 2 X 8	2 X 6 16" OC 2 X 8 24" OC 2 - 2 X 6 1 - 2 X 8	2 X 8 16" OC 2 X 10 24" OC 1 - 2 X 8 1 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 1 - 2 X 8 1 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 1 - 2 X 8 1 - 2 X 10	2 X 8 12" OC 2 X 10 16" OC 1 - 2 X 8 1 - 2 X 10	2 X 10 16" OC 2 X 12 24" OC 1 - 2 X 10 1 - 2 X 12	2 X 10 16" OC 1 - 2 X 10	2 X 10 12" OC 2 X 12 16" OC 1 - 2 X 10 1 - 2 X 12	2 X 12 16" OC 1 - 2 X 12
6'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 2 - 2 X 6	2 X 6 16" OC 2 X 8 24" OC 2 - 2 X 6 1 - 2 X 8	2 X 6 16" OC 2 X 8 24" OC 2 - 2 X 6 2 - 2 X 8	2 X 8 16" OC 2 X 10 24" OC 2 - 2 X 8 1 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 2 - 2 X 8 1 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 2 - 2 X 8 1 - 2 X 10	2 X 8 12" OC 2 X 10 16" OC 2 - 2 X 8 1 - 2 X 10	2 X 10 16" OC 2 X 12 24" OC 2 - 2 X 10 1 - 2 X 12	2 X 10 16" OC 2 - 2 X 10 1 - 2 X 12	2 X 10 12" OC 2 X 12 16" OC 2 - 2 X 10 1 - 2 X 12	2 X 12 16" OC 2 - 2 X 10 1 - 2 X 12
7'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 2 - 2 X 6	2 X 6 16" OC 2 X 8 24" OC 3 - 2 X 6 2 - 2 X 8	2 X 6 16" OC 2 X 8 24" OC 3 - 2 X 6 2 - 2 X 8	2 X 8 16" OC 2 X 10 24" OC 2 - 2 X 8 2 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 2 - 2 X 8 2 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 2 - 2 X 8 2 - 2 X 10	2 X 8 12" OC 2 X 10 16" OC 3 - 2 X 8 2 - 2 X 10	2 X 10 16" OC 2 X 12 24" OC 2 - 2 X 10 1 - 2 X 12	2 X 10 16" OC 2 - 2 X 10 2 - 2 X 12	2 X 10 12" OC 2 X 12 16" OC 2 - 2 X 10 2 - 2 X 12	2 X 12 16" OC 2 - 2 X 10 2 - 2 X 12
8'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 3 - 2 X 6 2 - 2 X 8	2 X 6 16" OC 2 X 8 24" OC 3 - 2 X 6 2 - 2 X 8	2 X 6 16" OC 2 X 8 24" OC 3 - 2 X 6 2 - 2 X 8	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 8 12" OC 2 X 10 16" OC 3 - 2 X 8 2 - 2 X 10	2 X 10 16" OC 2 X 12 24" OC 2 - 2 X 10 2 - 2 X 12	2 X 10 16" OC 3 - 2 X 10 2 - 2 X 12	2 X 10 12" OC 2 X 12 16" OC 3 - 2 X 10 2 - 2 X 12	2 X 12 16" OC 3 - 2 X 10 2 - 2 X 12
9'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 3 - 2 X 6 2 - 2 X 8	2 X 6 16" OC 2 X 8 24" OC 4 - 2 X 6 3 - 2 X 8	2 X 6 16" OC 2 X 8 24" OC 4 - 2 X 6 3 - 2 X 8	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 8 12" OC 2 X 10 16" OC 4 - 2 X 8 3 - 2 X 10	2 X 10 16" OC 2 X 12 24" OC 3 - 2 X 10 2 - 2 X 12	2 X 10 16" OC 3 - 2 X 10 2 - 2 X 12	2 X 10 12" OC 2 X 12 16" OC 3 - 2 X 10 2 - 2 X 12	2 X 12 16" OC 3 - 2 X 10 2 - 2 X 12
10'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 4 - 2 X 6 3 - 2 X 8	2 X 6 16" OC 2 X 8 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 6 16" OC 2 X 8 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 8 3 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 4 - 2 X 8 3 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 4 - 2 X 8 3 - 2 X 10	2 X 8 12" OC 2 X 10 16" OC 4 - 2 X 8 3 - 2 X 10	2 X 10 16" OC 2 X 12 24" OC 3 - 2 X 10 2 - 2 X 12	2 X 10 16" OC 3 - 2 X 10 3 - 2 X 12	2 X 10 12" OC 2 X 12 16" OC 4 - 2 X 10 3 - 2 X 12	2 X 12 16" OC 4 - 2 X 10 3 - 2 X 12
11'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 6 16" OC 2 X 8 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 6 16" OC 2 X 8 24" OC 4 - 2 X 8 3 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 4 - 2 X 8 3 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 10 2 - 2 X 12	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 10 3 - 2 X 12	2 X 8 12" OC 2 X 10 16" OC 3 - 2 X 10 3 - 2 X 12	2 X 10 16" OC 2 X 12 24" OC 4 - 2 X 10 3 - 2 X 12	2 X 10 16" OC 4 - 2 X 10 3 - 2 X 12	2 X 10 12" OC 2 X 12 16" OC 4 - 2 X 10 3 - 2 X 12	2 X 12 16" OC 4 - 2 X 10 3 - 2 X 12
12'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 3 - 2 X 8 2 - 2 X 10	2 X 6 16" OC 2 X 8 24" OC 4 - 2 X 8 3 - 2 X 10	2 X 6 16" OC 2 X 8 24" OC 4 - 2 X 8 3 - 2 X 10	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 10 2 - 2 X 12	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 10 3 - 2 X 12	2 X 8 16" OC 2 X 10 24" OC 4 - 2 X 10 3 - 2 X 12	2 X 8 12" OC 2 X 10 16" OC 4 - 2 X 10 3 - 2 X 12	2 X 10 16" OC 2 X 12 24" OC 4 - 2 X 10 3 - 2 X 12	2 X 10 16" OC 3 - 2 X 12	2 X 10 12" OC 2 X 12 16" OC 3 - 2 X 12	2 X 12 16" OC 3 - 2 X 12
13'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 3 - 2 X 8 3 - 2 X 10	2 X 6 16" OC 2 X 8 24" OC 4 - 2 X 8 3 - 2 X 10	2 X 6 16" OC 2 X 8 24" OC 3 - 2 X 10 3 - 2 X 12	2 X 8 16" OC 2 X 10 24" OC 4 - 2 X 10 3 - 2 X 12	2 X 8 16" OC 2 X 10 24" OC 4 - 2 X 10 3 - 2 X 12	2 X 8 16" OC 2 X 10 24" OC 4 - 2 X 10 3 - 2 X 12	2 X 8 12" OC 2 X 10 16" OC 3 - 2 X 10	2 X 10 16" OC 2 X 12 24" OC 3 - 2 X 12	2 X 10 16" OC 4 - 2 X 12	2 X 10 12" OC 2 X 12 16" OC 4 - 2 X 12	2 X 12 16" OC 4 - 2 X 12
14'	JOIST SIZE BEAM SIZE	2 X 6 24" OC 4 - 2 X 8 3 - 2 X 10	2 X 6 16" OC 2 X 8 24" OC 3 - 2 X 10 3 - 2 X 12	2 X 6 16" OC 2 X 8 24" OC 4 - 2 X 10 3 - 2 X 12	2 X 8 16" OC 2 X 10 24" OC 4 - 2 X 10 3 - 2 X 12	2 X 8 16" OC 2 X 10 24" OC 4 - 2 X 10 3 - 2 X 12	2 X 8 16" OC 2 X 10 24" OC 3 - 2 X 12	2 X 8 12" OC 2 X 10 16" OC 4 - 2 X 12	2 X 10 16" OC 2 X 12 24" OC 4 - 2 X 12	2 X 10 16" OC 4 - 2 X 12	2 X 10 12" OC 2 X 12 16" OC ENG. BEAM REQUIRED	2 X 12 16" OC ENG. BEAM REQUIRED

This table is based on the use of Ponderosa Pine NO. 2 or better (treated for weather and/or ground exposure).