

JOIST LENGTH

POST SPACING

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

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