

DECK JOIST TABLE

JOIST SIZE	JOIST SPACING	MAXIMAM SPAN	
		HEM FIR #2	REDWOOD
2 x 6	12" On Center	10'0"	8'10"
	16" On Center	9'1"	8'0"
	24" On Center	7'11"	7'0"
2 x 8	12" On Center	13'2"	11'8"
	16" On Center	12'0"	10'7"
	24" On Center	10'2"	9'3"
2 x 10	12" On Center	16'10"	14'11"
	16" On Center	15'2"	13'6"
	24" On Center	12'5"	11'10"
2 x 12	12" On Center	20'4"	18'1"
	16" On Center	17'7"	16'5"
	24" On Center	14'4"	14'4"
<p>Note: Spans in this table were derived from the #2 IRC 2012 Table 502.3.1 Design Criteria: Her-Fir #2 joists with a live/dead loading of 40/10 psf. Redwood Tables allowable bending stress (Fb) and modulus of elasticity (E) #3 Grade</p>			

DECK BEAM TABLE

BEAM SPACING BETWEEN SUPPORTS (Posting Spacing)										
	4'	5'	6'	7'	8'	9'	10'	11'	12'	
J O I S T S P A N	6'	2-2x4	2-2x4	2-2x6	2-2x6	2-2x6	2-2x6	2-2x8	2-2x10	2-2x10
	8'	2-2x4	2-2x4	2-2x6	2-2x6	2-2x8	2-2x8	2-2x10	2-2x10	2-2x12
	10'	2-2x4	2-2x6	2-2x6	2-2x8	2-2x8	2-2x10	2-2x10	2-2x12	2-2x12
	12'	2-2x4	2-2x6	2-2x6	2-2x8	2-2x10	2-2x10	2-2x12	2-2x12	3-2x10
	14'	2-2x6	2-2x6	2-2x8	2-2x8	2-2x10	2-2x12	2-2x12	3-2x10	3-2x12
	16'	2-2x6	2-2x6	2-2x8	2-2x10	2-2x10	2-2x12	3-2x10	3-2x12	3-2x12
Design Criteria: Hem-Fir #2 beam members with a live/dead loading of 40/10 psf.										