



Safe Spacing of Supports for Double Ledgers or Wales Continuous Over Four or More Supports
Based on use of No. 2 Grade Southern Pine or Douglas Fir-Larch

Uniform Load, Pounds per LF (Equals Design Load, Pounds per Sq. Ft. Times Ledger or Wale Centers in ft.)	$F_b = \text{varies psi}$ $E = 1,400,000 \text{ psi}$ $F_v = 225 \text{ psi}$				
	Nominal Size Lumber, b x h (S4S) at 19% Maximum Moisture				
	Double 2 x 4	Double 2 x 6	Double 2 x 8	Double 3 x 6	Double 3 x 8
	F_b psi				
	1625	1438	1313	1438	1313
1,000	35"	51"	64"	66"	83"
1,100	33"	49"	61"	63"	79"
1,200	32"	47"	59"	60"	76"
1,300	30"	45"	56"	58"	73"
1,400	29"	43"	54"	56"	70"
1,500	28"	42"	53"	54"	68"
1,600	27"	40"	51"	52"	66"
1,700	26"	39"	49"	51"	64"
1,800	25"	38"	48"	49"	62"
1,900	24"	37"	47"	48"	60"
2,000	23"	36"	45"	47"	59"
2,200	21"	34"	43"	44"	56"
2,400	20"	32"	42"	43"	54"
2,600	19"	30"	40"	41"	51"
2,800	18"	29"	38"	39"	50"
3,000	18"	28"	36"	38"	48"
3,200	17"	26"	35"	37"	46"
3,400	16"	26"	34"	35"	45"
3,600	16"	25"	33"	34"	44"
3,800	15"	24"	32"	33"	43"
4,000	15"	23"	31"	32"	42"

Note: F_b and F_v shown above includes a 25% increase because of short term loading conditions. Horizontal shear stress adjustment assumes members have no splits, checks or shakes.

Support spacings are governed by bending, shear or deflection. Maximum deflection $e/270$ of spacing, but not more than 1/8".