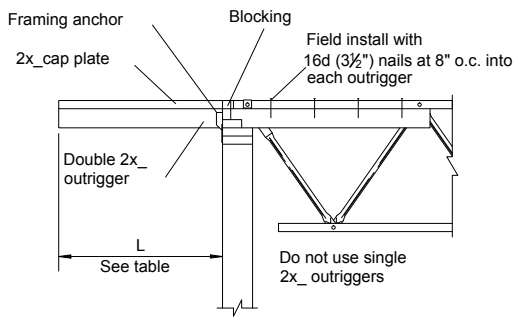


Double 2x_ Outrigger



The following minimum criteria were used to develop the values:

2x4 and 2x6 2x8:
 $F_c = 135 \text{ psi}$ $F_c = 135 \text{ psi}$
 $F_t = 1,650 \text{ psi}$ ⁽¹⁾ $F_t = 850 \text{ psi}$
 $E = 1.3 \times 10^6 \text{ psi}$ $E = 1.3 \times 10^6 \text{ psi}$

(1) For 12" depth

For other depths, multiply by $\left(\frac{12}{d}\right)^{0.002}$

Outrigger Deflection:
 2L/360LL for floors
 2L/240TL for roofs

Outrigger Deflection = $\frac{W L^4}{8 E I}$

Outrigger Length L	Allowable Uniform Load Capacity (plf)								
	Double 2x4 Outrigger			Double 2x6 Outrigger			Double 2x8 Outrigger		
	Floor (100%)	Snow Roof (115%)	Non-Snow Roof (125%)	Floor (100%)	Snow Roof (115%)	Non-Snow Roof (125%)	Floor (100%)	Snow Roof (115%)	Non-Snow Roof (125%)
24"	347	393	426	347	393	426	347	393	426
30"	275	347	377	347	393	426	347	393	426
36"	159	239	239	347	393	426	347	393	426
42"	100	150	150	347	393	426	318	366	398
48"	67	101	101	261	321	349	244	280	305
54"	47	71	71	183	254	275	193	221	241
60"	34	52	52	134	200	200	156	179	195
66"		39	39	100	150	150	129	148	161
72"		30	30	77	116	116	108	125	135
78"				61	91	91	92	106	115
84"				49	73	73	80	92	99
90"				40	59	59	69	80	87
96"				33	49	49	61	70	76

- Values are limited by the published backspan capacity (plf).
- Equivalent sawn lumber may be substituted.
- The lesser values of 1.3E_{SL} or 2,10 MSR are used for 2x4 and 2x6 outriggers.
- The lesser values of 1.3E_{SL} or #2 hem-fir or Douglas fir-larch are used for 2x8 outriggers.