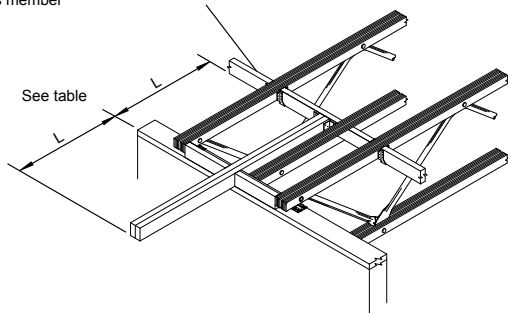


Double 2x Outrigger

Sheathing layout should be considered when locating this member



Outriggers deeper than 2x4s require that spacer blocks be placed under truss bearings

The following minimum criteria were used to develop the values:

2x4 and 2x6:	2x8:
Fv=135 psi	Fv=135 psi
Fb=1,650 psi ⁽¹⁾	Fb=1,650 psi
Fb=1.3x10 ⁶ psi	Fb=1.3x10 ⁶ psi

(1) For 12" depth

For other depths, multiply by $\left[\frac{L}{12}\right]^{0.092}$

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

Outrigger Deflection= $\frac{7WL^4}{24EL} + \frac{48WL^2}{EL}$

Outrigger Length L	Allowable Uniform Load Capacity (plf)								
	Double 2x4 1.3E Outrigger			Double 2x6 1.3E Outrigger			Double 2x8 1.3E 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"	147	220	220	496	550	563	496	550	563
30"	91	137	137	354	531	531	496	550	563
36"	58	88	88	227	340	340	433	487	487
42"	39	58	58	151	226	226	318	366	398
48"		40	40	104	156	156	239	280	305
54"		29	29	75	112	112	171	221	241
60"				55	83	83	126	179	190
66"				42	63	63	96	144	144
72"				32	49	49	74	111	111
78"					38	38	59	88	88
84"					31	31	47	71	71
90"							38	58	58
96"							32	48	48

- Values in bold italic are limited by mechanical connection values assuming two Simpson Strong Tie™ A34 connectors (or equivalent) at the outrigger to the header and one Simpson Strong-Tie™ A34 or equivalent from the header to the truss chord. Other conditions may apply.
- Values are limited by the published backspan capacity (plf).
- All calculations assume a single 2x outrigger, use half of allowable load shown for double outriggers.
- For single 2x outriggers, use half of allowable load shown for double outriggers.
- The lesser values of 1.3ELSL or 2,100 MSR are used for 2x4 and 2x6 outriggers.
- The lesser values of 1.3E LSL or #2 hem-fir or Douglas fir-larch are used for 2x8 outriggers.