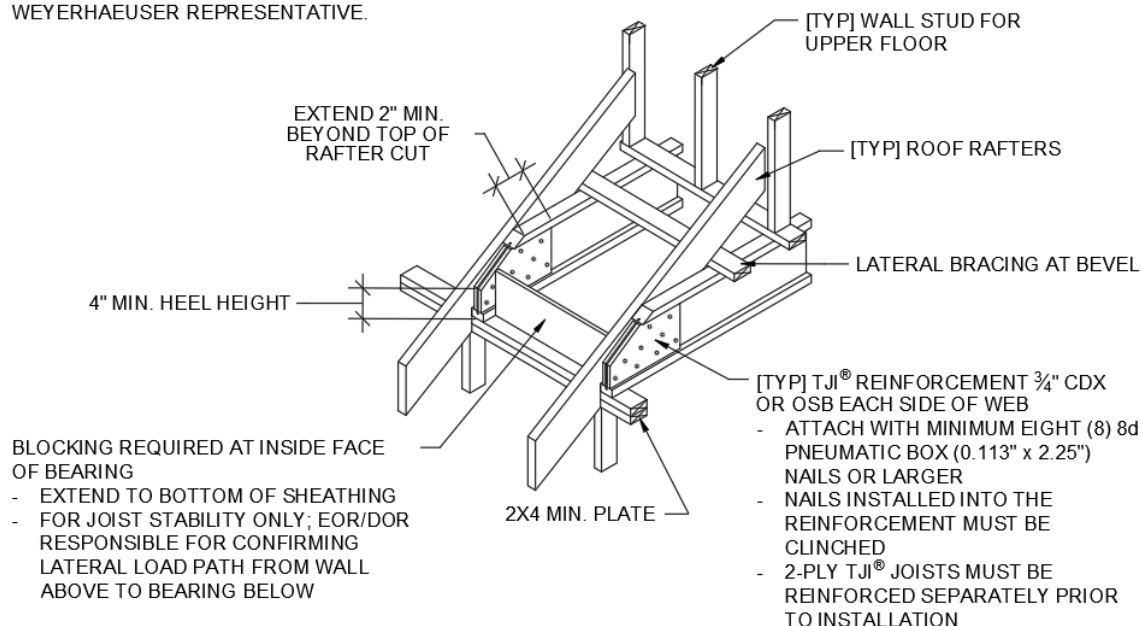


Trus Joist® TJI® Joist Rafter Cut Detail

NOTE: CONCENTRATED LOADS MUST BE LOCATED 24" MIN. FROM THE END OF THE TOP FLANGE. FOR SLOPES LESS THAN 6:12, CONTACT YOUR WEYERHAEUSER REPRESENTATIVE.



ALLOWABLE END REACTION – TJI® JOIST RAFTER CUT^{[1][2][3][4]}

Depth	TJI® Series	Allowable End Reaction [lbs.]			
		Roof Slope			
		6/12 to 7/12	8/12 to 9/12	10/12 to 11/12	12/12
9 1/2"	110	870	1,020	1,130	1,220
	210	945	1,110	1,235	1,330
	230	945	1,110	1,235	1,330
11 7/8"	110	1,020	1,215	1,360	1,400
	210	1,085	1,285	1,445	1,490
	230	1,085	1,285	1,445	1,540
	360	1,115	1,325	1,485	1,560
	560	1,345	1,595	1,790	1,870
14"	110	1,160	1,385	1,400	1,400
	210	1,215	1,450	1,490	1,490
	230	1,215	1,450	1,540	1,540
	360	1,220	1,455	1,560	1,560
	560	1,495	1,780	1,870	1,870
16"	210	1,325	1,490	1,490	1,490
	230	1,325	1,540	1,540	1,540
	360	1,325	1,560	1,560	1,560
	560	1,640	1,870	1,870	1,870

[1] 2 1/4" minimum end bearing required.

[2] Reactions may not be increased for duration of load.

[3] Reinforcement must extend 2" beyond the top of the rafter (see detail above).

[4] All rafter cut TJI® joists must be checked to confirm the given reaction capacity is not exceeded.