

Trus Joist® TJI® Joist Residential Bonus Room Tables (Roof Live Load – 20 psf at 115%)

BOUNS ROOM FLOOR SPAN TABLE

| Span | TJI® Joist Spacing | | |
|------|---|--------------------------------|--------------------------------|
| | 16" o.c. | 19.2" o.c. | 24" o.c. |
| 20' | 14" TJI® 230 11 7/8" TJI® 360 | 14" TJI® 360 | 14" TJI® 360 |
| 22' | 16" TJI® 230 14" TJI® 360 | 16" TJI® 360 | 16" TJI® 360 ^[2] |
| 24' | 16" TJI® 360 | 16" TJI® 560 | 16" TJI® 560 ^[2] |
| 26' | 16" TJI® 560 18" TJI® 360 ^[1] | 18" TJI® 360 ^{[1][2]} | 18" TJI® 360 ^{[1][2]} |

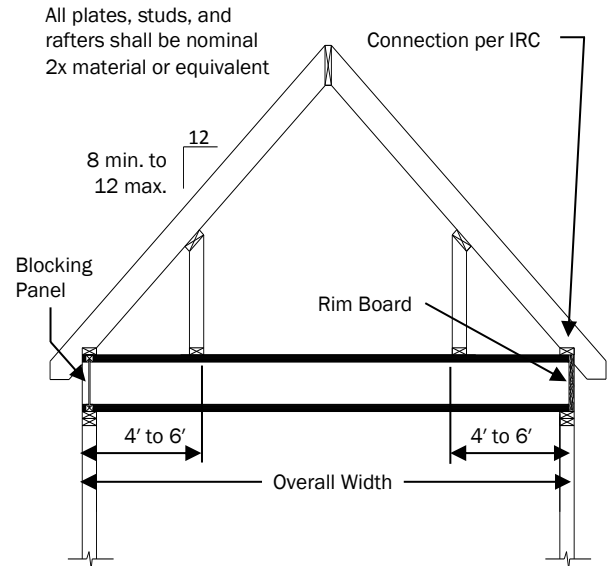
[1] Do not rafter cut 18" or deeper joists.
[2] Contact Weyerhaeuser for more information.

General Notes

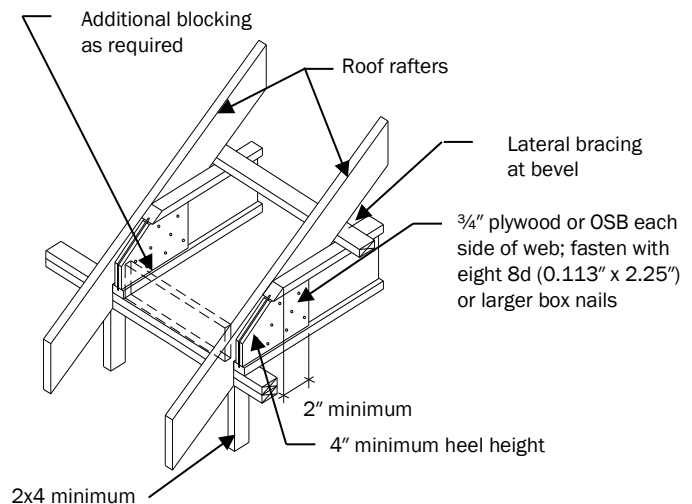
- Table is based on:
 - Roof dead load of 15 psf.
 - Roof live load of 20 psf and 115% load duration.
 - Floor live load (inside knee walls) of 40 psf.
 - Floor attic load (outside knee wall) Of 20 psf.
 - Floor dead load of 10 psf, 12 psf for TJI® 560 joists.
 - Deflection criteria of L/480 live load, L/240 total load.
 - Roof slope between 8:12 and 12:12.
 - Minimum end bearing Of 2 1/4".
- Locate knee walls 4' to 6' from end of joist.
- Rafter cuts on TJI® joists are permitted when reinforcement is provided (Except as noted in Table). See Reinforced Rafter Cut detail below.
- Assumed composite action with a single layer of 24" o.c. span-rated, glue-nailed floor panels for deflection only.
- Lateral design and uplift connections by others.

Rafter-Heel Connection

Rafter thrust force must be considered. Rafter heel connection by others.



Reinforced Rafter Cut Detail



Do not rafter cut 18" or deeper joists.