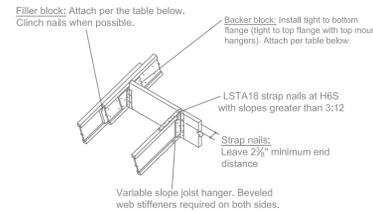
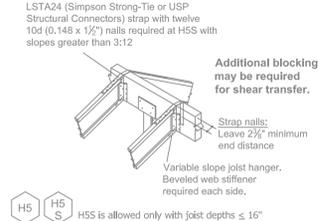
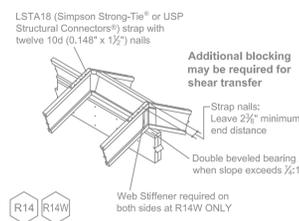
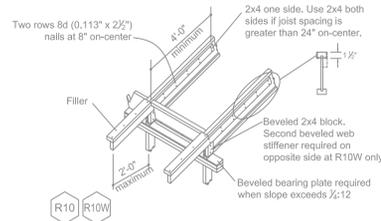
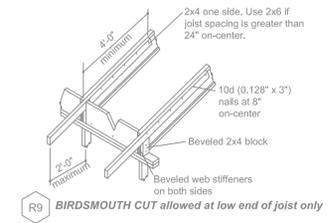
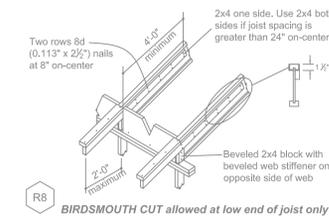
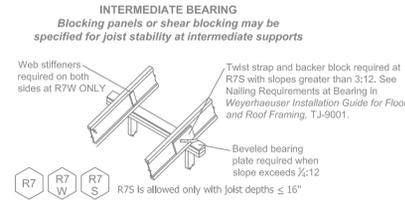
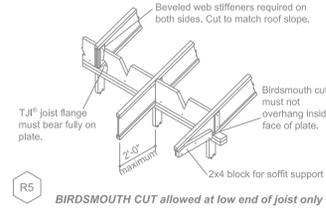
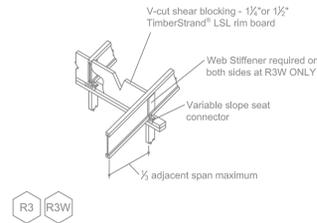
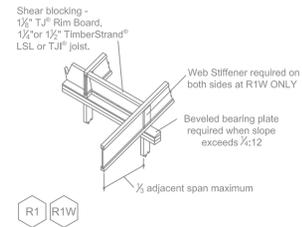




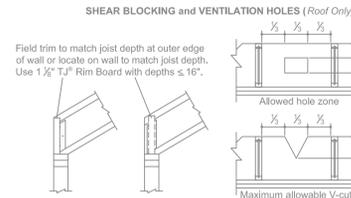
### ROOF DETAILS

**General Notes**  
 Unless otherwise noted, all details are valid to a maximum slope of 12:12. Joists >16" have a maximum slope of 3:12.  
**Web stiffeners are required with all 22" and 24" joists and when the sides of the hanger do not laterally support at least 3/4" of the TJI® joist top flange. Also see framing plan.**

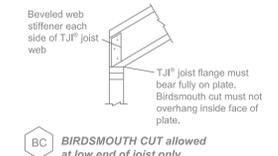
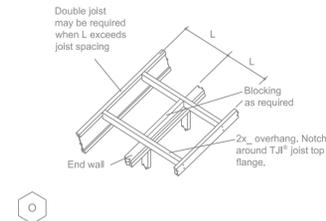


TJI® Depth, D	TJI® Flange Width	Block Type	Size	Nail Quantity
9 1/2" < D ≤ 16"	less than 3 1/2"	Filler	10d(0.128" x 3")	10
		Backer	10d(0.128" x 3")	10
16" < D ≤ 20"	3 1/2"	Filler	16d(0.135" x 3 1/2")	10 - each side
		Backer	10d(0.128" x 3")	10
20" < D ≤ 24"	3 1/2"	Filler	16d(0.135" x 3 1/2")	15 - each side
		Backer	10d(0.128" x 3")	15
20" < D ≤ 24"	3 1/2"	Filler	16d(0.135" x 3 1/2")	25 - each side
		Backer	10d(0.128" x 3")	15

H6S is allowed only with joist depths ≤ 16"  
 For filler and backer block sizes see Weyerhaeuser TJI® Joist Specifier's Guide, TJ-4000

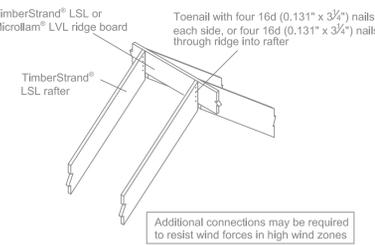


For TJI® joists with slopes of 10:12 to 12:12, the vertical depth of shear blocking at bearing will require 1 1/2" TJI Rim Board or 1 1/2" TimberStrand® LSL that is one size deeper than the TJI® joist. DO NOT use 1 1/2" TJI Rim Board with 18"-24" TJI® joists or in ventilation - hole applications.



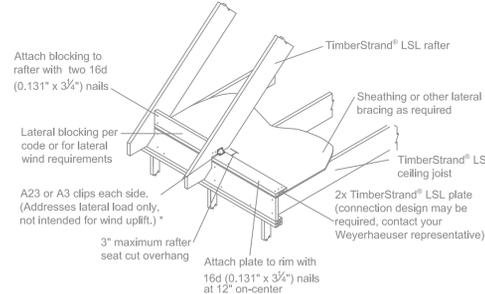
### ROOF FRAMING DETAILS

#### Ridge Connection



Rafter Size	Rafter Pitch		
	4:12 to 9:12	10:12 to 11:12	12:12
2x6	2x8	2x10	2x10
2x8	2x10	2x12	2x12
2x10	14"	14"	14"
2x12	14"	16"	16"

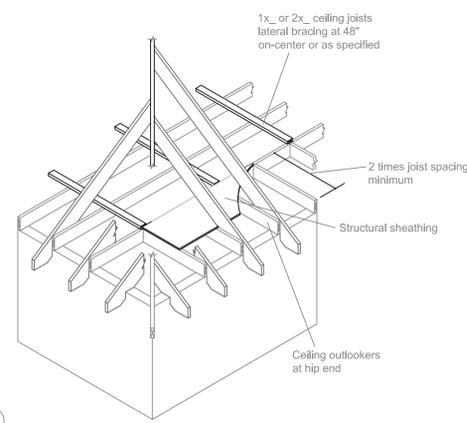
#### Heel Connection (Platform)



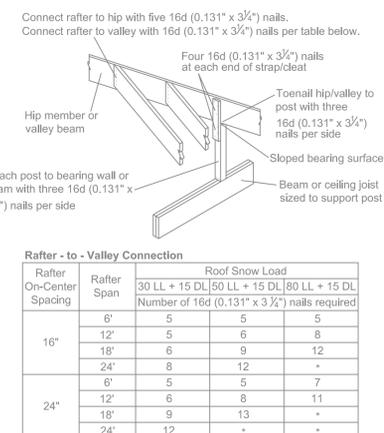
Hanger Type	Clip	Nailing	
		Top Plate	Rafter/Ceiling Joist
Simpson Strong Tie®	A23	10d x 1 1/2"	10d x 1 1/2"
USP Structural Connectors®	A3	10d x 1 1/2"	10d x 1 1/2"

**Rafter Connection for Thrust:**  
 • For lap connection nail quantity requirements, see Rafter Span and Heel Connection Tables in Weyerhaeuser Roof System Design Guide, TJ-9005.  
 - If fewer than 8 nails are required, use only one A23 or A3 clip, each side.  
 - If 8-15 nails required, use two A23 or A3 clips, each side.

#### Outlooker Detail

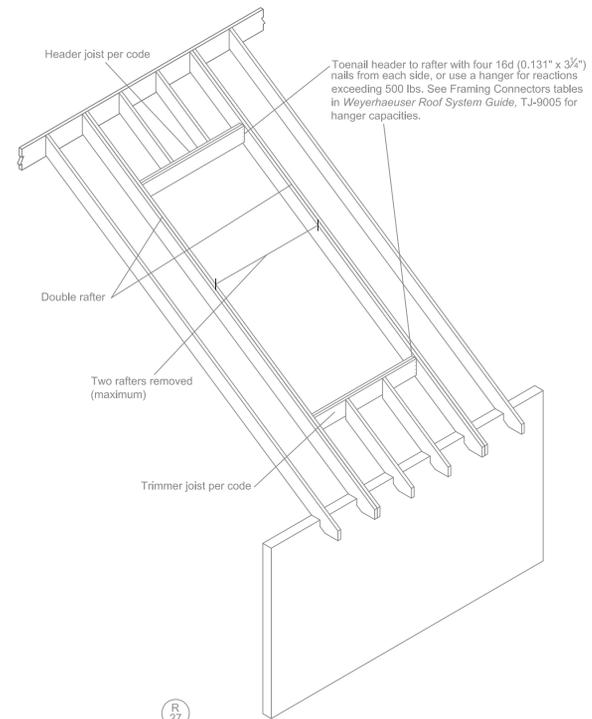


#### Hip/Valley Intermediate Support

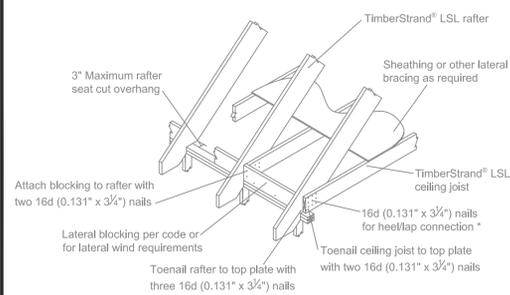


\* Contact your Weyerhaeuser representative for additional connection information.

#### Dormer Framing

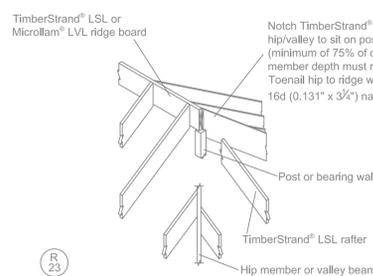


#### Heel Connection (Lap)

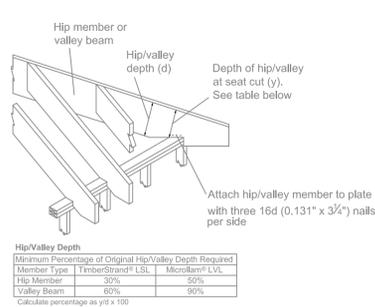


\* For heel/lap connection nailing see Rafter Span and Heel Connection Tables in Weyerhaeuser Roof System Design Guide, TJ-9005.

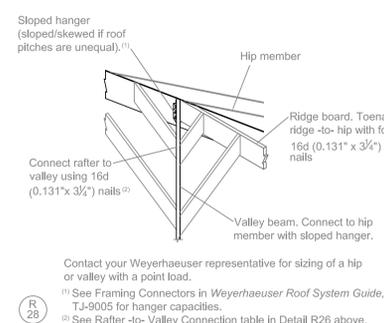
#### Hip/Ridge/Valley/ Post Detail



#### Hip/Valley Low End



#### Valley -to- Hip Connection



\* See Framing Connectors in Weyerhaeuser Roof System Guide, TJ-9005 for hanger capacities.  
 \*\* See Rafter-to-Valley Connection table in Detail R26 above.



Warning: Drilling, sawing, sanding or machining wood products generates wood dust. The paint and/or coating on this product may contain titanium dioxide. Wood dust and titanium dioxide are substances known to the state of California to cause cancer. For more information on Proposition 65, visit [www.cdph.ca](http://www.cdph.ca).

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