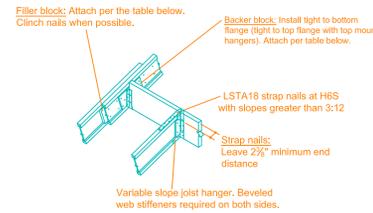
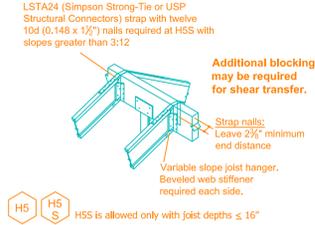
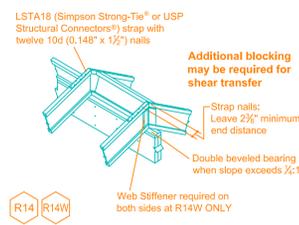
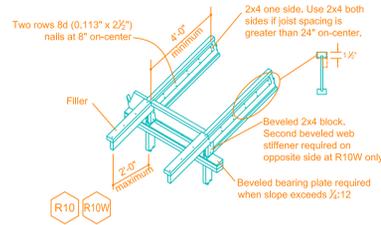
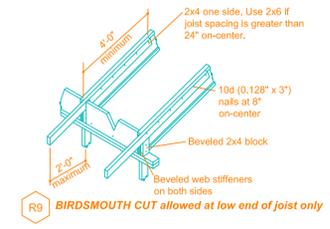
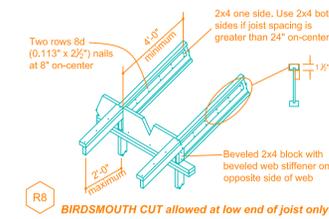
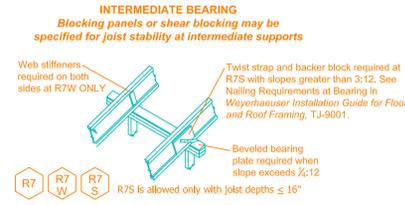
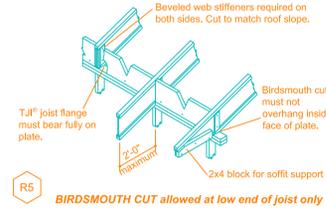
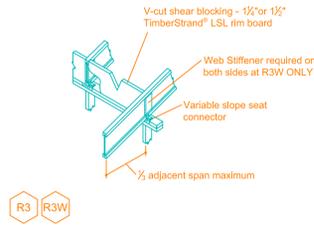
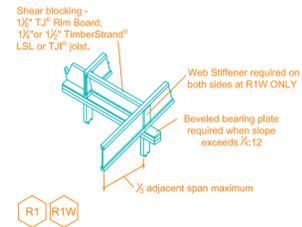




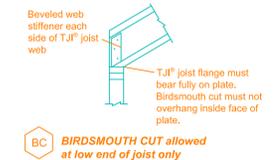
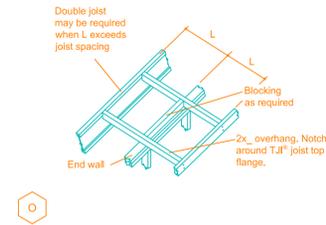
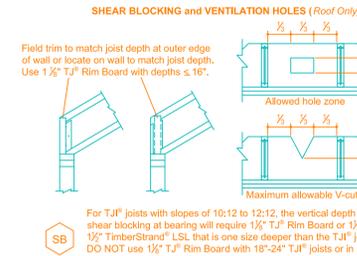
ROOF DETAILS

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.



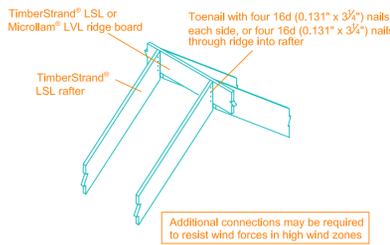
TJI® Depth, D	TJI® Flange Width	Block Type	Size	Nail Quantity
9 1/2" < D ≤ 16"	less than 3 1/2"	Filler	10d(0.128" x 3")	10
		Backer	10d(0.128" x 3")	10
16" < D ≤ 20"	less than 3 1/2"	Filler	16d(0.135" x 3 1/2")	10 - each side
		Backer	10d(0.128" x 3")	10
20" < D ≤ 24"	3 1/2"	Filler	10d(0.128" x 3")	15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



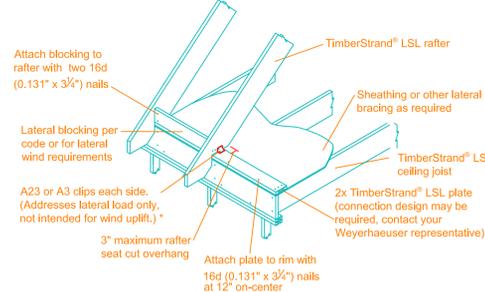
ROOF FRAMING DETAILS

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"

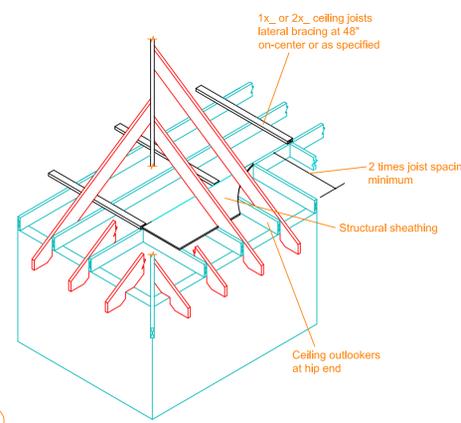
Heel Connection (Platform)



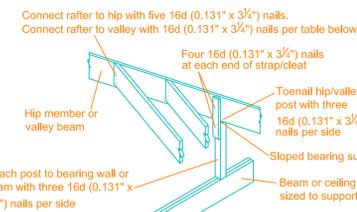
Hanger Type	Clip	Nailing	
		Top Plate	Rafter/Ceiling Joist
Simpson Strong Tie®	A23	10d x 1 1/2"	10d x 1 1/2"
USP Structural Connectors®	A3	10d x 1 1/2"	10d x 1 1/2"

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



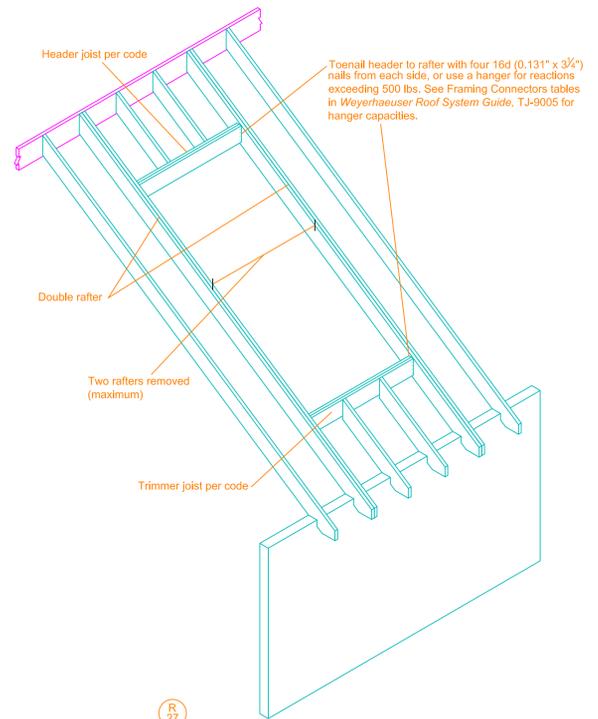
Hip/Valley Intermediate Support



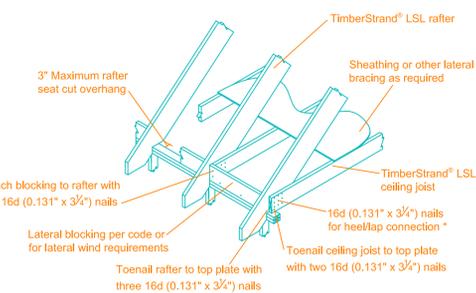
Rafter On-Center Spacing	Rafter Span	Roof Snow Load		
		30 LL + 15 DL	50 LL + 15 DL	80 LL + 15 DL
16"	6'	5	5	5
	12'	5	6	8
	18'	6	9	12
	24'	8	12	-
24"	6'	5	5	7
	12'	6	8	11
	18'	9	13	-
	24'	12	-	-

* Contact your Weyerhaeuser representative for additional connection information.

Dormer Framing

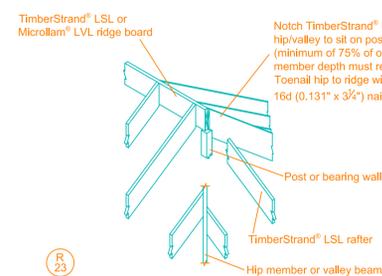


Heel Connection (Lap)

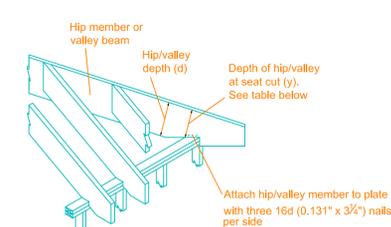


* For heelplate connection nailing see Rafter Span and Heel Connection Tables in Weyerhaeuser Roof System Design Guide, TJ-9005.

Hip/Ridge/Valley/ Post Detail



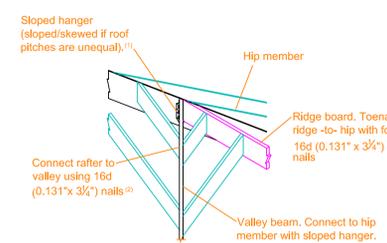
Hip/Valley Low End



Member Type	Minimum Percentage of Original Hip/Valley Depth Required
TimberStrand® LSL	50%
Microlam® LVL	50%
Hip Member	80%
Valley Beam	80%

Calculate percentage as y/d x 100

Valley -to- Hip Connection



Contact your Weyerhaeuser representative for sizing of a hip or valley with a point load.
 (1) See Framing Connectors in Weyerhaeuser Roof System Guide, TJ-9005 for hanger capacities.
 (2) 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.cdc.gov/prop65.

Weyerhaeuser, Microlam, Parallam, TimberStrand, TJI, T.J., and Trus Joist are registered trademarks of Weyerhaeuser NR. © 2014 Weyerhaeuser NR Company. All rights reserved.
 Certified Sourcing
 www.weyerhaeuser.com
 October 2017 Reorder TJ-4014

Weyerhaeuser
 1-888-463-8358
 woodbywy.com

REV	BY	DATE	COMMENT

PROJECT #:
 SERVICE #:
 SHEET
 of