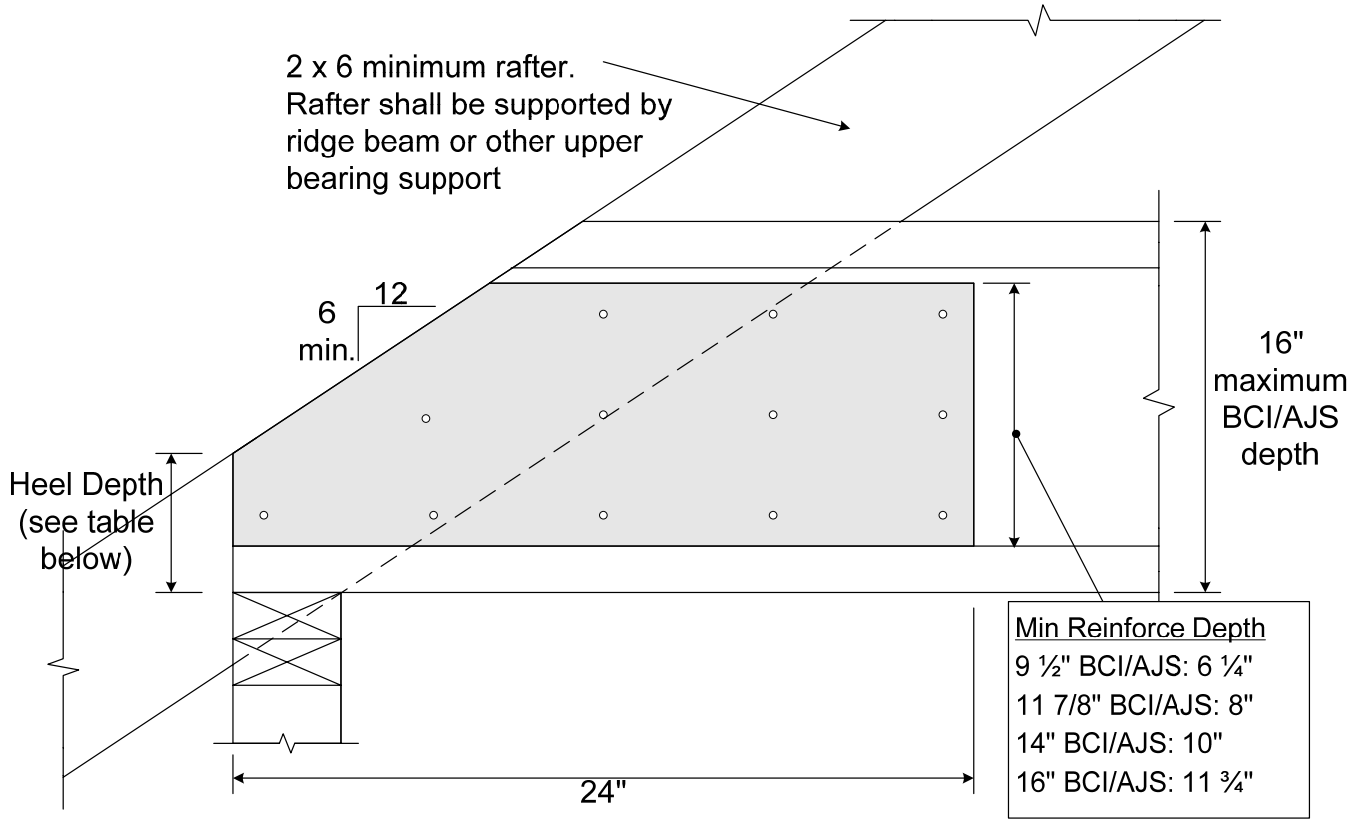
Boise Cascade
Engineered Wood Products

Technical Note

BCI® & AJS® Joist Slope-Cut Reinforcement

Detail below restores original allowable shear/reaction value to cut end of BCI/AJS joist

BCI/AJS Joist shall not be used as a collar or rafter tension tie.



2x blocking required at bearing (not shown for clarity). Min. single 23/32” or double 7/16” plywood/OSB rated sheathing as reinforcement, both sides of the web. Install reinforcement with face grain horizontal. Install on both sides of the joist, tight to bottom flange. Apply construction adhesive to contact surfaces and fasten with 3 rows of min. 10d box nails at 6" o.c. Alternate nailing from each side and clinch.

Minimum Heel Depth						
End Wall Bearing	Roof Pitch					
	6/12	7/12	8/12	9/12	10/12	12/12
2 x 4	4 3/8”	4 5/16”	4 1/4”	4 1/4”	4 1/4”	4 1/4”
2 x 6	3 3/8”	3 3/16”	2 5/16”	2 3/4”	2 9/16”	2 1/4”