



JNL Steel Components, Inc.

430 US-62

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Sheet Metal Roofing Installation Guide

R-Panel & PBR Panel ■ ■ ■ ■ ■

Simple step-by-step guide on
installing sheet metal panels and
trim for roofing.

Installation Requirements

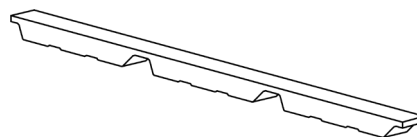
Installing Onto Decking (Required for Housing)	
Plywood or OSB Decking	Minimum 7/16" thick
Underlayment	Synthetic or 30# felt

Open Framing Installation (Direct to Purlin)	
Purlin Spacing	Maximum 5'

Materials Needed

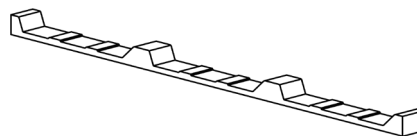
Outside Foam Closures

For sealing ridge cap & hip trim.



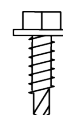
Inside Foam Closures

For sealing eave and valley trim.



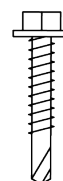
Tek Screws

#14 x 7/8" With neoprene washers.
Calculate one screw per 2.5 linear feet
for rake trim and panel rib overlaps.



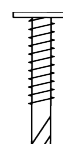
Sheeting Screws

Panel to decking installation #10 x 1 1/2"
Panel to purlin installation #12 x 1 1/4"
Calculate 1 screw per sqft. for roof area.



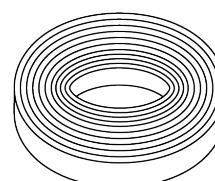
Flat Head Screws

#10 x 1 1/2"
For securing eave trim, ensuring panels sit flat on top of trim.
Calculate 1 screw per 3 linear feet for eave trim.

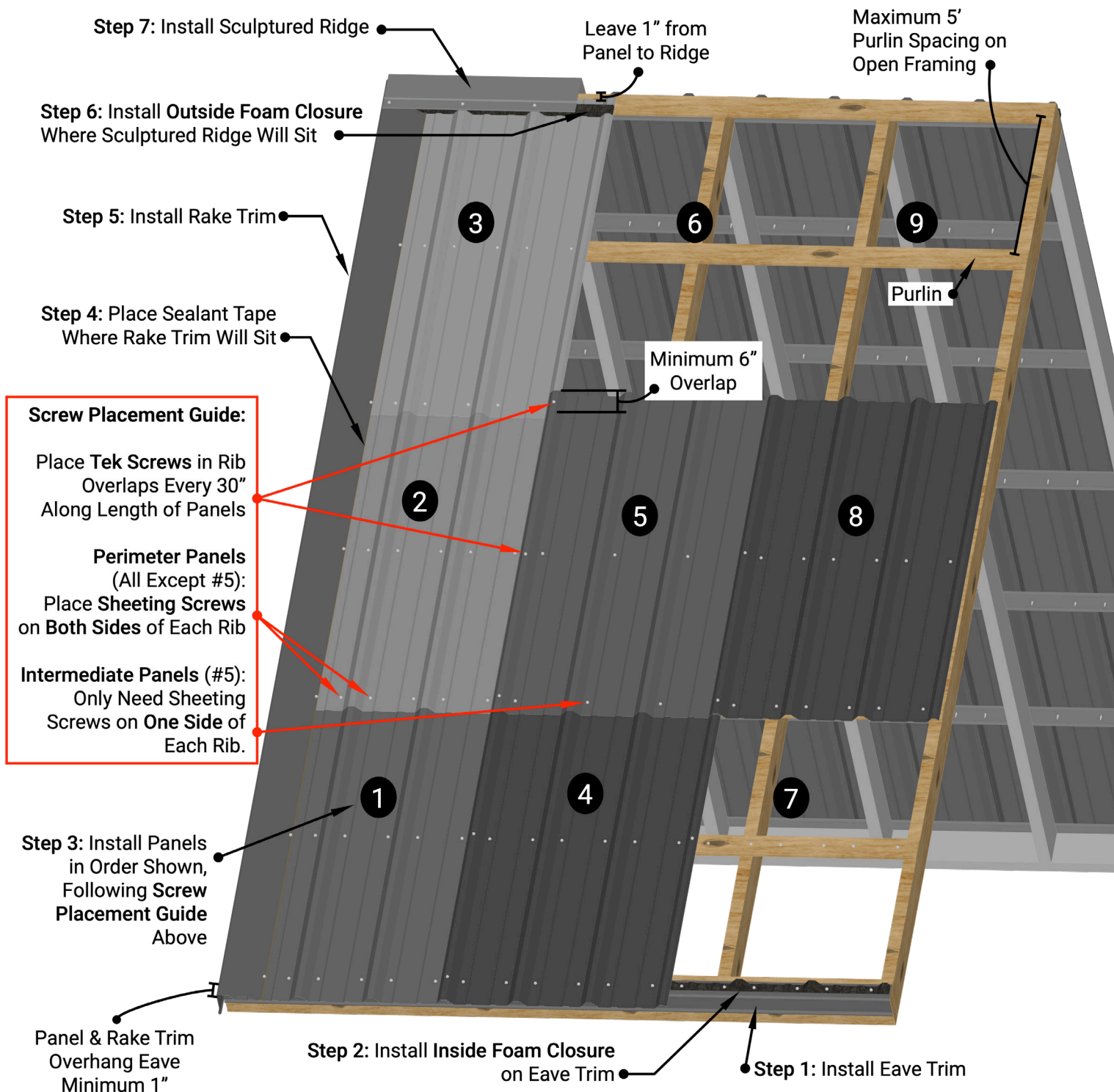


Sealant Tape

Butyl-based, 3/8" wide. For sealing under rake trim.
Optional: Apply under each panel rib overlap for
additional waterproofing.

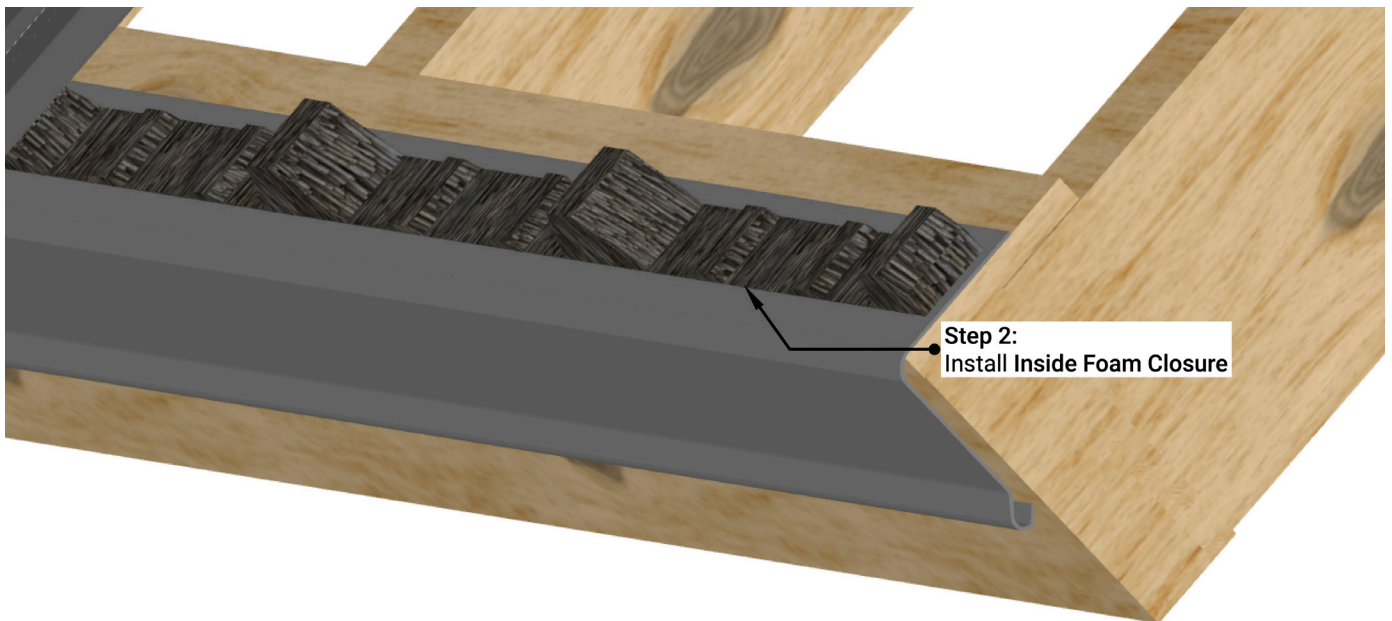
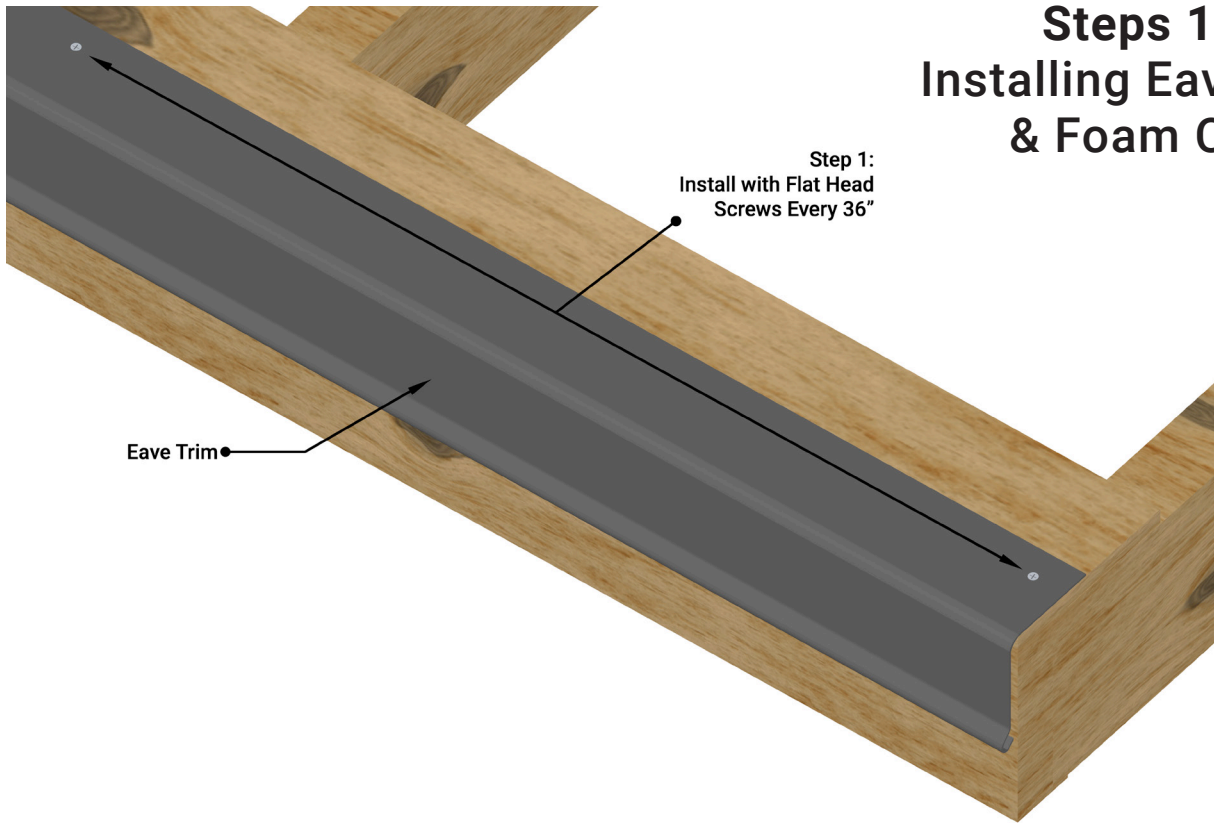


Installation Overview



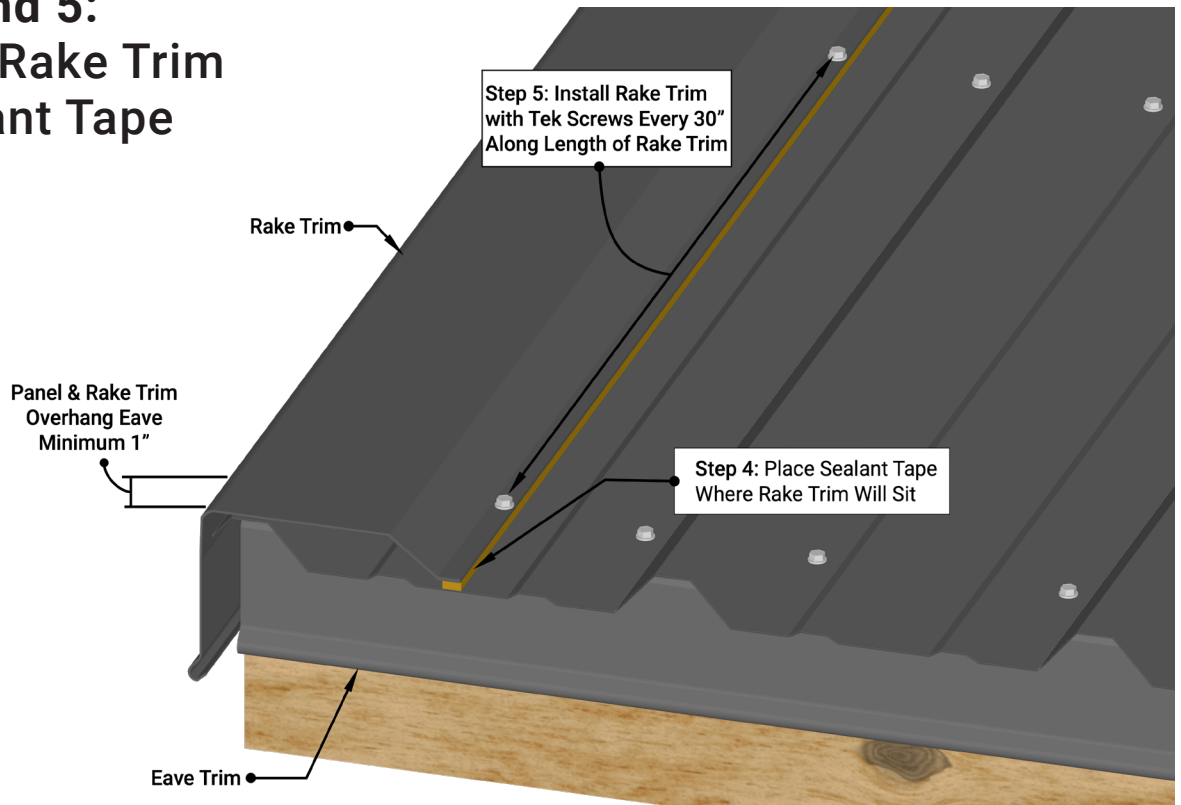
Notes: The above model represents an open framing application. If using plywood or OSB decking, disregard purlin spacing. All other instructions still apply. Panels are numbered in order of installation. Panel 2 will overlap panel 1 (6" minimum overlap), panel 3 overlaps 2, and so on. Details on trim installation are provided on the next pages.

Steps 1 and 2: Installing Eave Trim & Foam Closure



Step 3:
Install Panels as Shown on Installation Overview (Page 3)

Steps 4 and 5: Installing Rake Trim with Sealant Tape



Steps 6 and 7: Installing Sculptured Ridge with Outside Foam Closure

