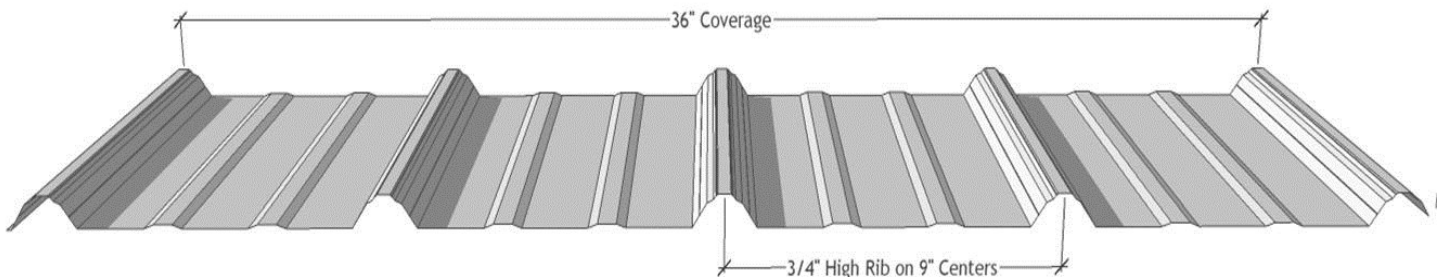




Express Rib

Installation Manual





IMPORTANT:

This manual is designed as a general guide when installing a metal roof. The installer is responsible to check with local building codes, before any installation begins.

General

Express Rib panels are an exposed fastener roofing system, recommended on roof slopes 3:12 or greater.

Available in 29 Gauge or 26 Gauge, Pre-Painted Galvalume (40 year SMP) or Acrylume (25 year Acrylic-Coated AZ-55 Galvalume).

Safety

Be aware of sharp edges. Safety gloves and glasses should be used when handling and cutting material.

Handling & Storage

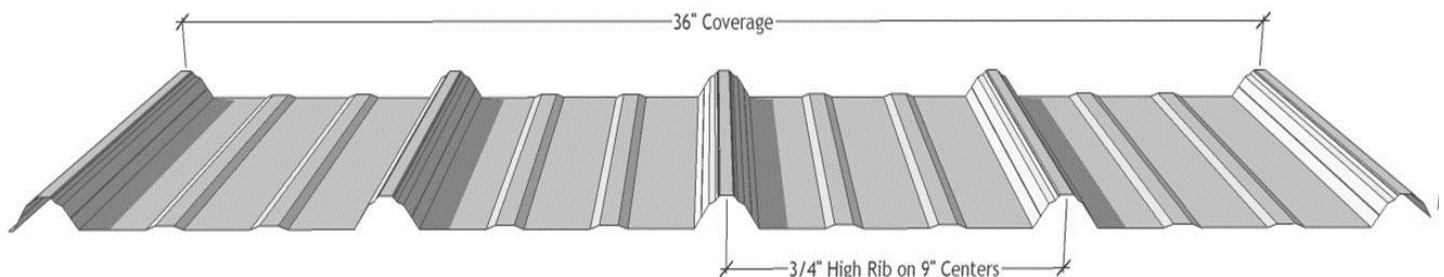
Inspect panels for moisture. If moisture has formed, each panel should be separated and wiped dry. Make sure panels have been allowed to dry completely before being re-stacked. Once dry, the re-stacked panels should be elevated on one end to allow drainage, then covered loosely with a tarpaulin to allow air circulation. Extended outside storage of panels in a bundle, is not recommended.

Cutting Panels

Panels may be cut with metal snips, TubroShears, or electric nibblers. Rip cuts can also be done by scoring several times with a razor knife before working the area back and forth to separate. Using a circular saw or grinder is NOT recommended since they cause a rough edge as well as the hot shaving causing damage to the finished surface.

Trims can be cut with metal snips.

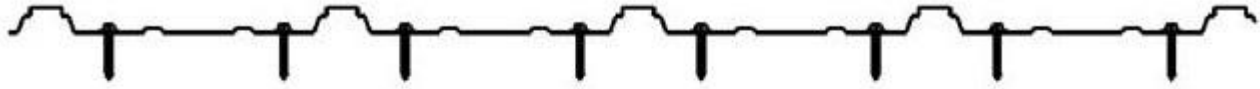
Remove any screw or cut shavings from the roof's surface to prevent damage to the finish.



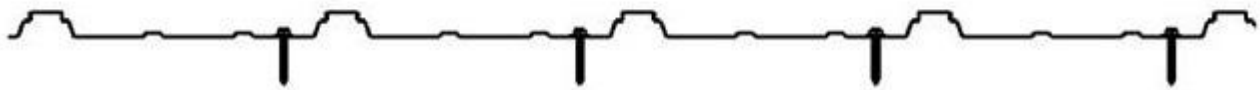


Screw Patterns

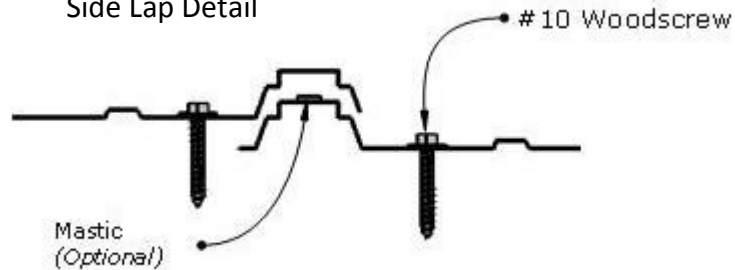
Screw Pattern at Ridge, Eave, Valleys & Endlaps



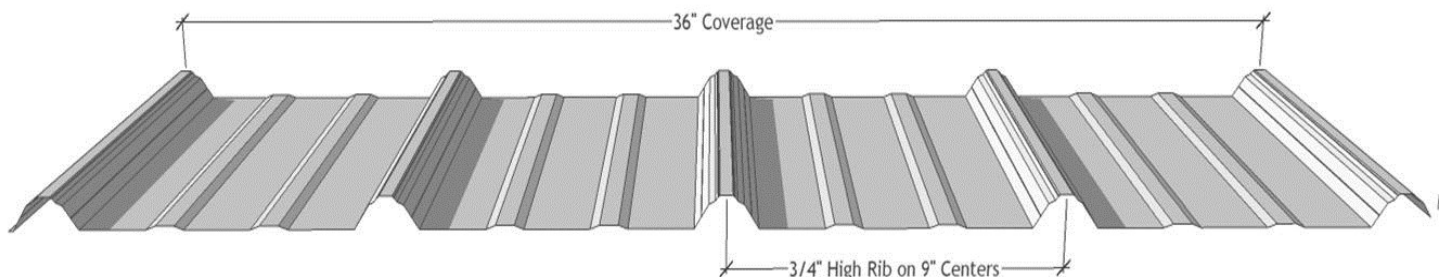
Screw Pattern in Field of Panel, 24" On-Center

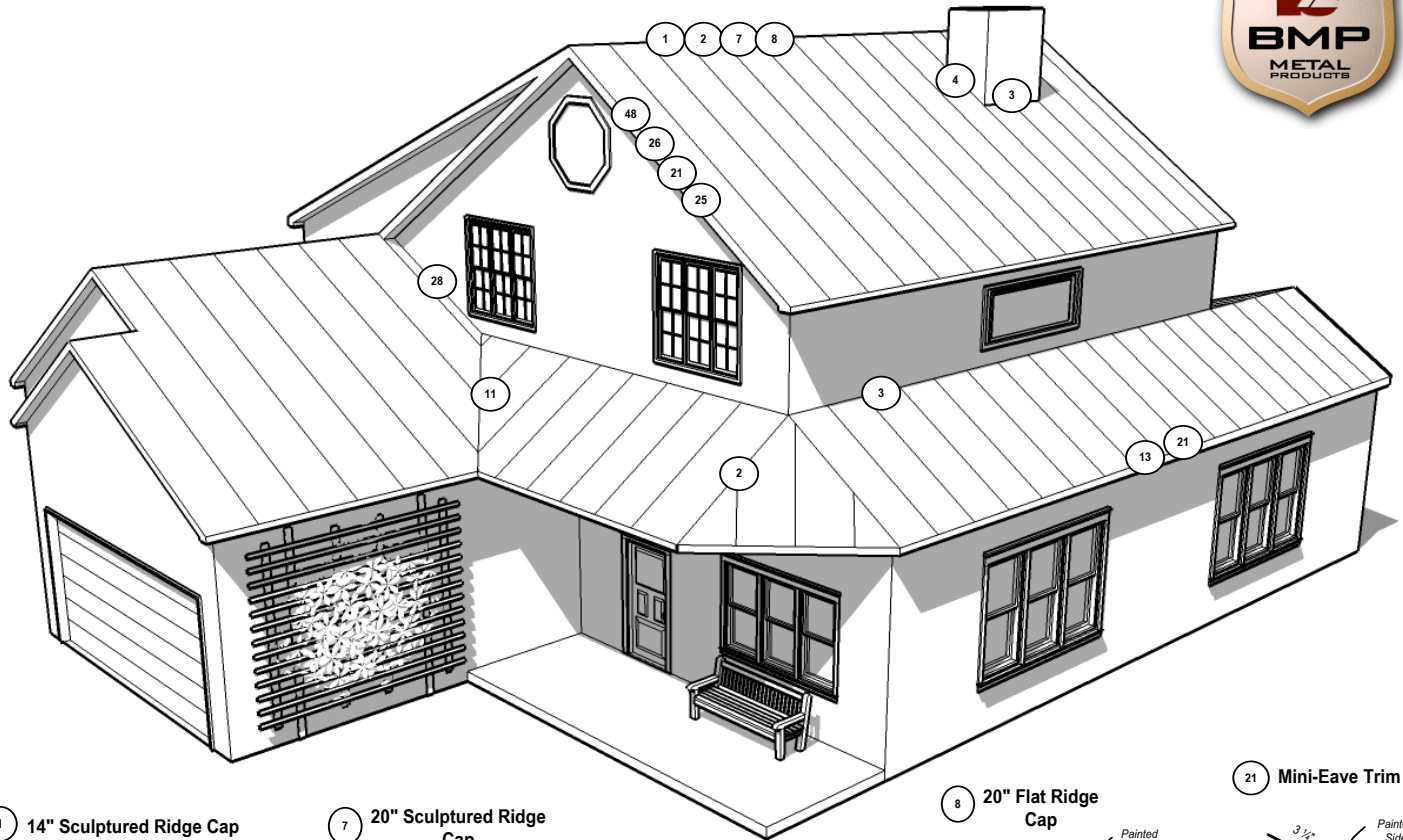


Side Lap Detail

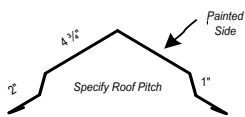


CORRECT Sealing material slightly visible at edge of washer. Assembly is water tight.	TOO LOOSE Sealing material is not visible; not enough compression to seal.	TOO TIGHT Washer is deformed; sealing material pressed beyond fastener edge.

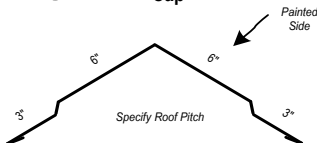




1 14" Sculptured Ridge Cap



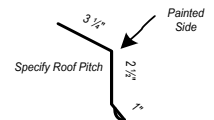
7 20" Sculptured Ridge Cap



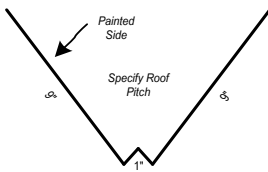
8 20" Flat Ridge Cap



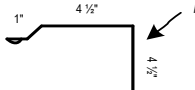
21 Mini-Eave Trim



11 W-Valley



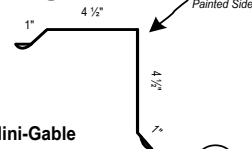
26 Sculptured Outside Corner



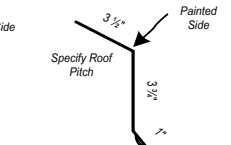
2 14" Flat Ridge Cap



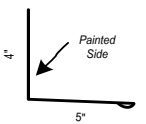
27 Gable Trim



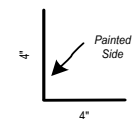
13 Eave Trim



4 Sidewall Trim



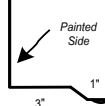
5 Single Angle



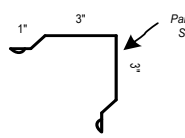
3 Transition / Endwall Trim



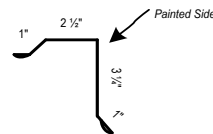
28 Sculptured Sidewall Trim



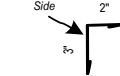
48 Sculptured Corner Rake



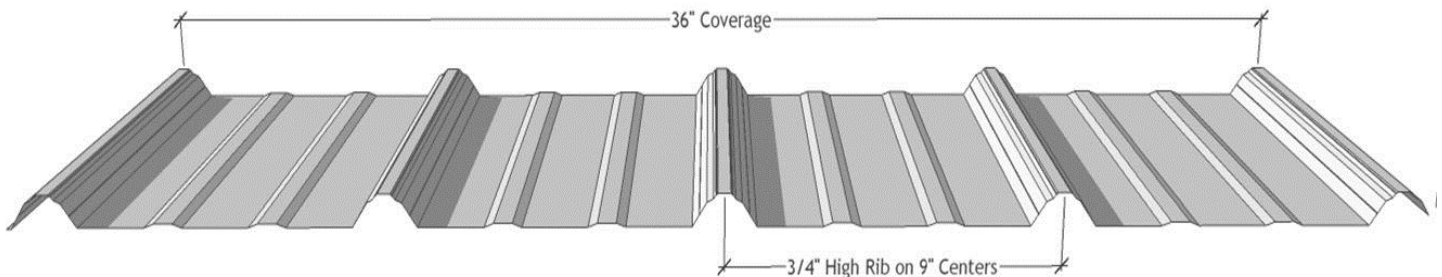
25 Mini-Gable Trim



42 Perimeter Trim



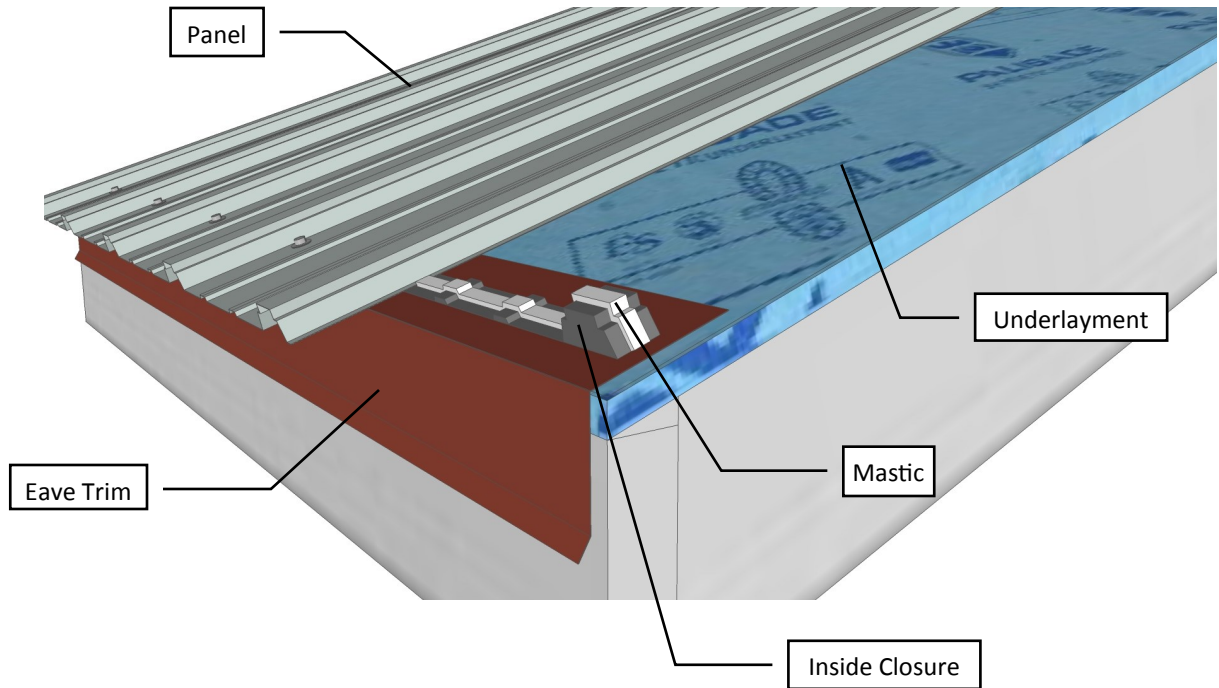
Items Not Shown To Scale
Standard Lengths are 10' 2" - Available up to 21'



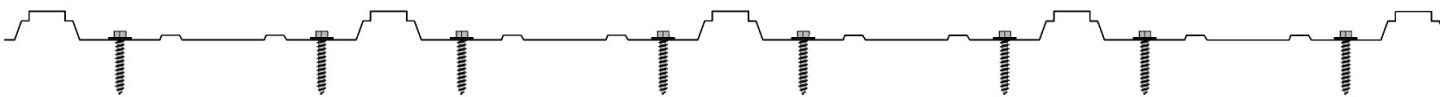


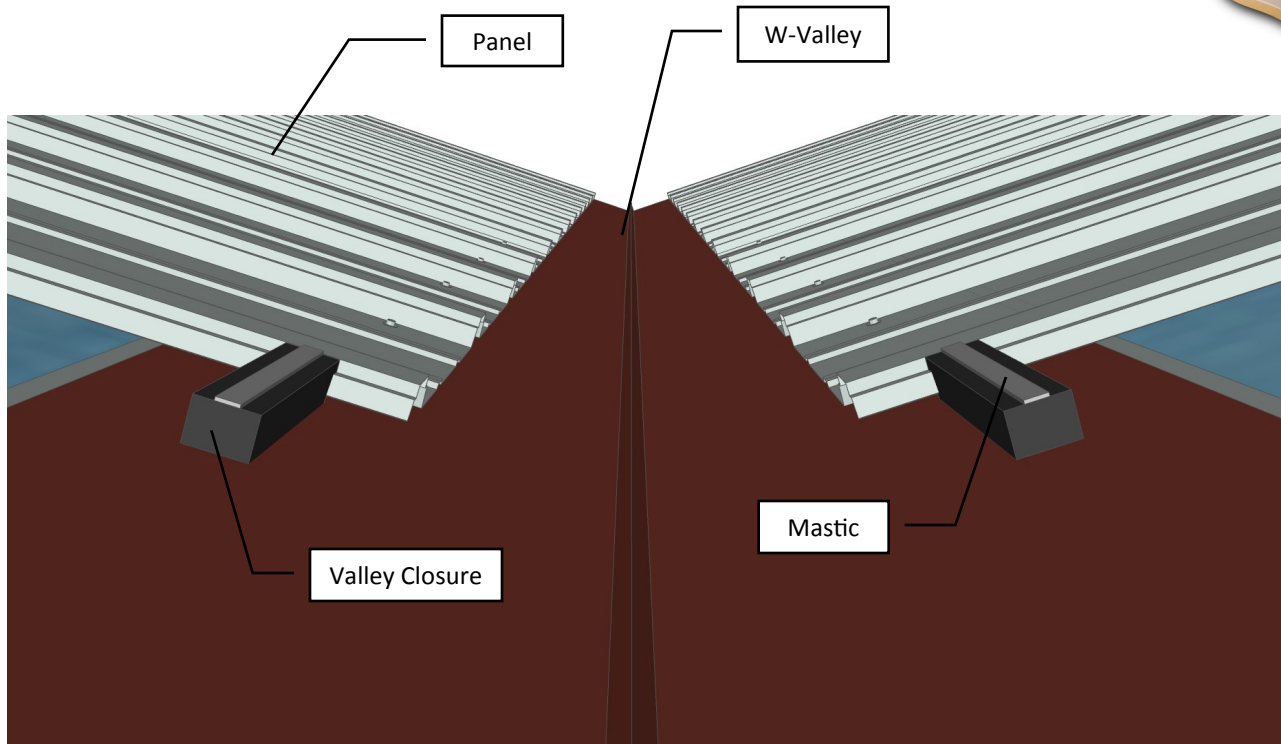
EAVE TRIM

TRIMS # 13, 21, 42

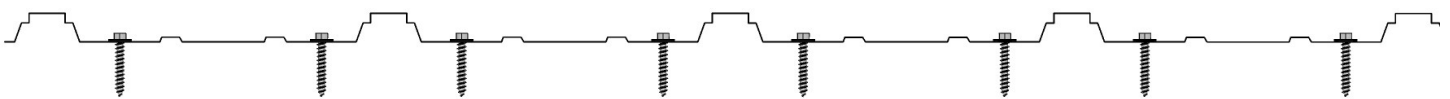


1. Attach Eave Trim to decking or wood purlins with 1" Pancake Woodscrews, 24" on center.
2. If more than one piece of Eave Trim is required, lap pieces by a minimum of 2".
3. Eave Trim should run 2" past gable end to allow it to be cut and folded over.
4. Install Inside Closures 1" from the outside edge with the glue side of the closure against the Eave Trim. Mastic applied to the top and bottom of the closure is recommended. *NOTE: Inside Closures must be installed square to the eave and gable ends to ensure the panels remain square.*
5. Panel should overhang the Eave Trim by 2"- 3", square to the eave and gable ends of the roof.
6. Panel should be fastened with a #10 Woodscrew, penetrating through the mastic and closure, using the screw pattern below.



W-VALLEY**TRIM # 1 1**

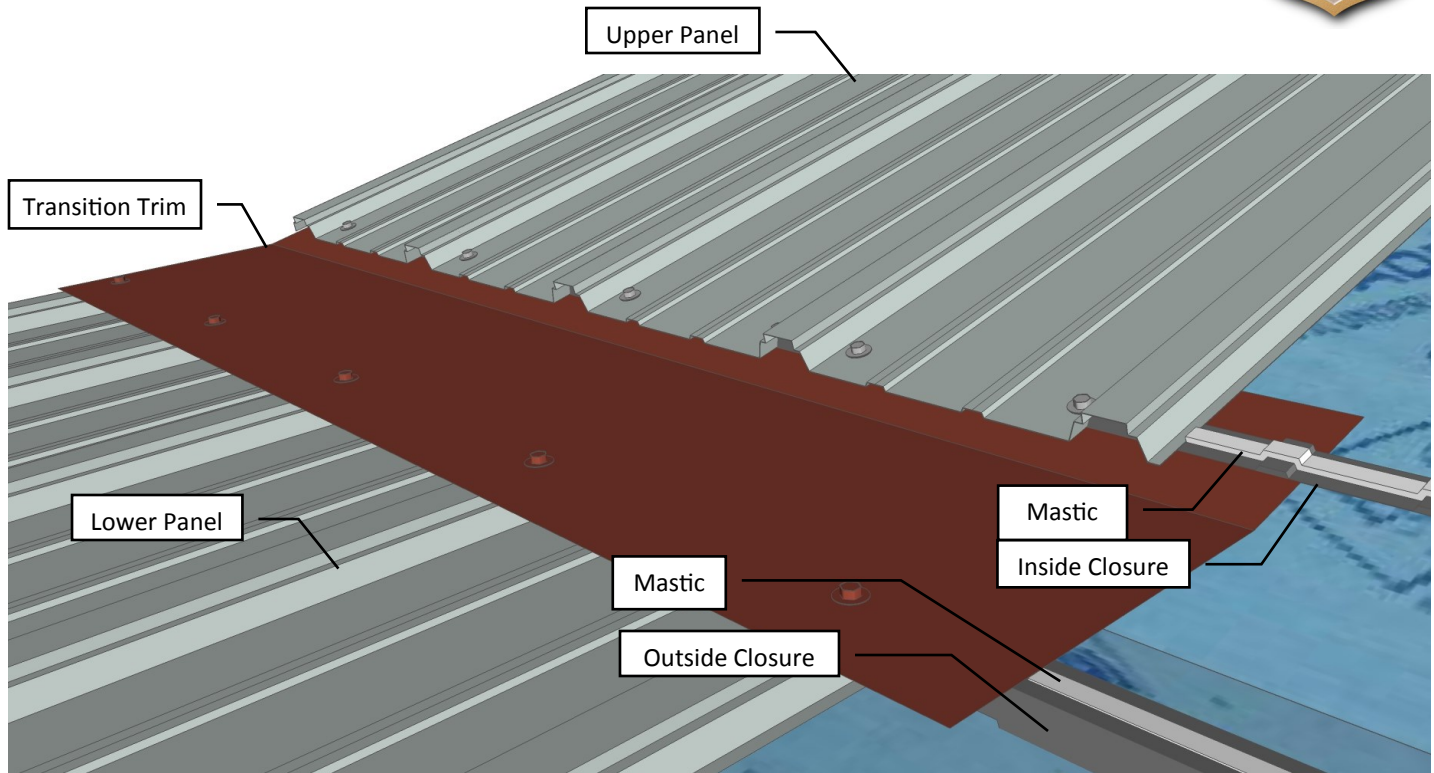
1. Attach W-Valley to decking or wood purlins with 1" pancake woodscrews, 1" from the outside edges on 24" centers. Leave enough overhang at the eaves to match intended panel overhang.
2. If more than one piece of W-Valley is required, lap pieces by a minimum of 4", working up from the bottom.
3. Cut panels to a length and angle that matches the middle diverter but also leaves a 3"-4" gap before the W-Valley middle diverter.
4. Install Valley Closures 3" from the panel ends with the glue side of the closure against the W-Valley. Mastic applied to the top and bottom of the closure is recommended.
5. Panel should be fastened with a #10 Woodscrew, penetrating through the mastic and closure, using the screw pattern below.





TRANSITION TRIM

TRIM #03

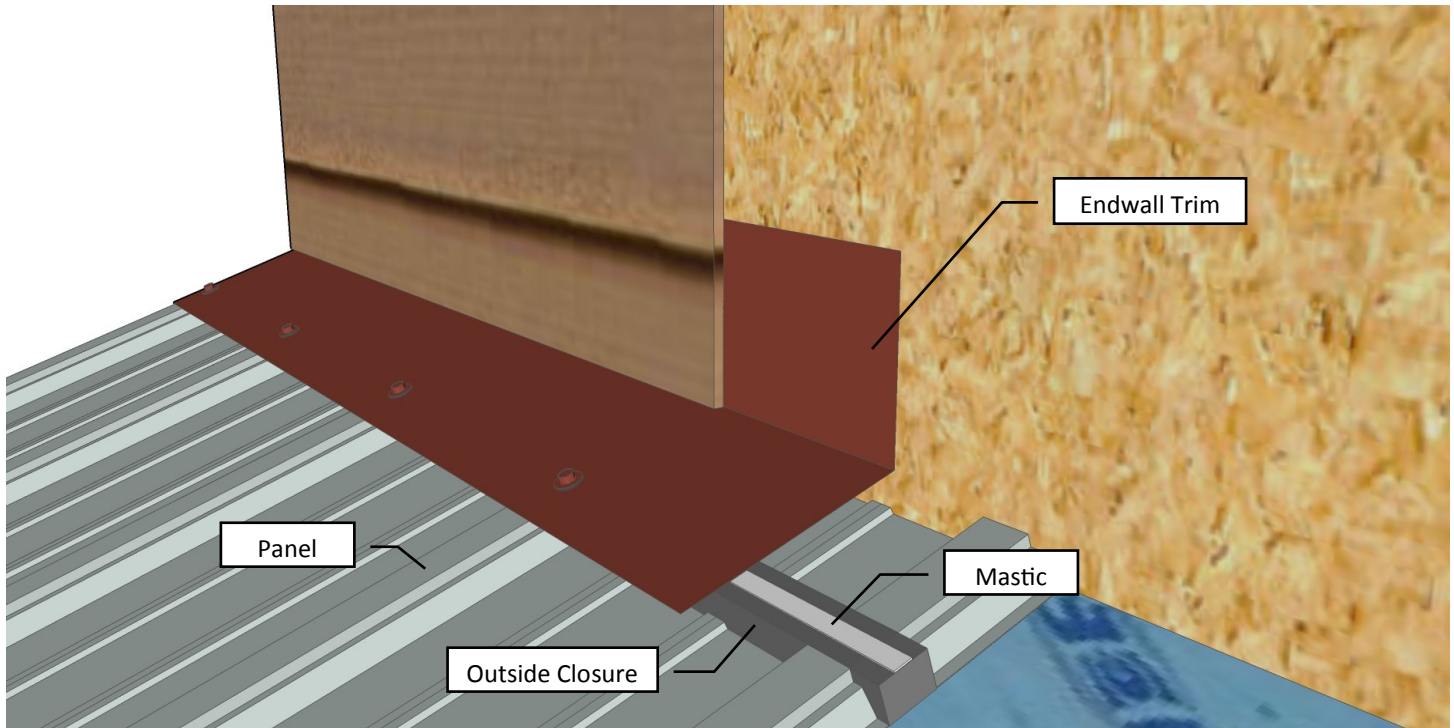


1. Install lower panel first.
2. Place Transition Trim on lower panel and slide the 4" leg towards the upper roof deck until it lays flat against the decking. The 8" leg of the Transition Trim should rest on top of the lower panel.
3. If more than one piece of Transition Trim is required, lap pieces by a minimum of 2", making sure the lap occurs over a lower panel rib.
4. Install Outside Closures 1" up from where the lower edge of the Transition Trim meets the panel. Mastic applied to the top and bottom of the closure is recommended.
5. The lower Transition Trim leg should be fastened with a #10 x 2" Woodscrew (or #14 x 7/8" Stitch Screw), penetrating through the panel, mastic and closure, at every rib.
6. Install Inside Closures on the upper leg of the Transition Trim, 3" from the centerline. Mastic applied to the top and bottom of the closure is recommended.
7. Install the upper panel holding the end to 2" from the center line of the Transition Trim.
8. Install Upper panel using the Eave screw pattern, with #10 Woodscrews, penetrating through the mastic and closure.



ENDWALL TRIM

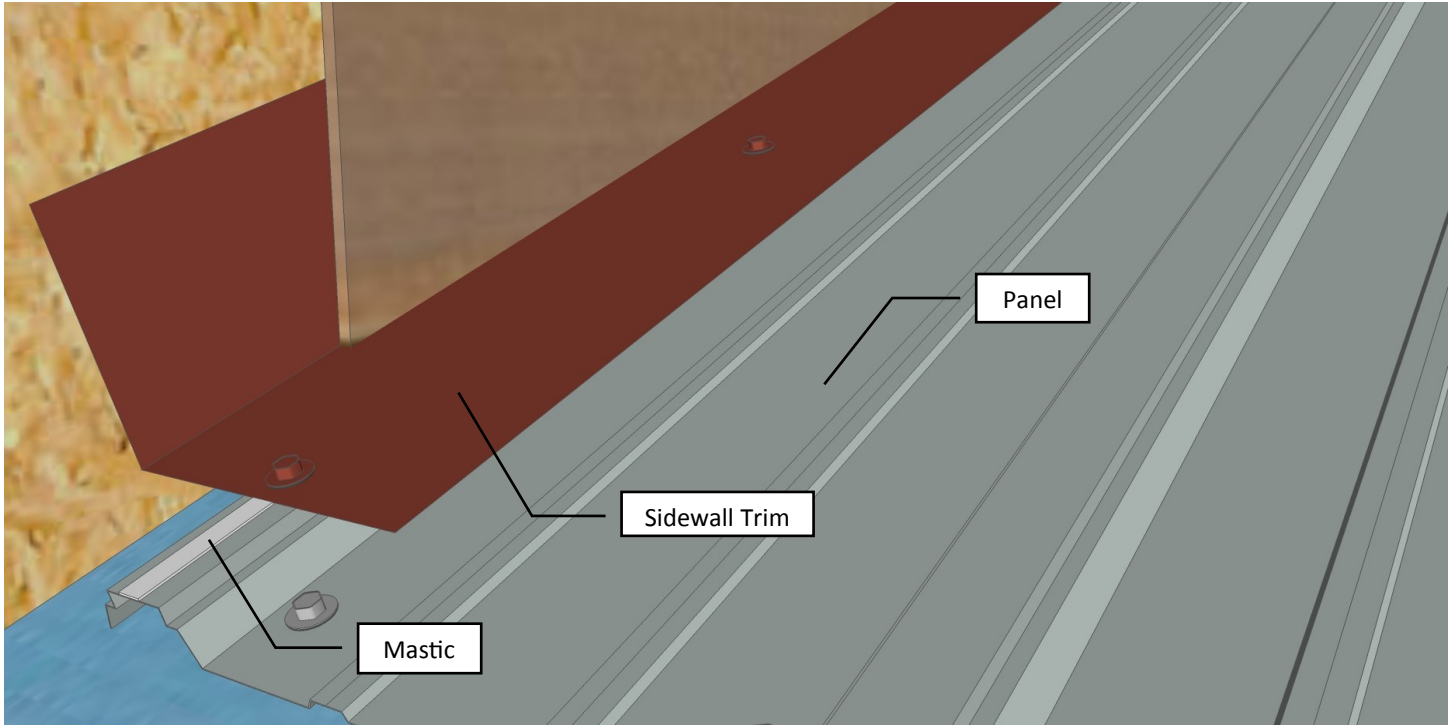
TRIM #05



1. Install panel first.
2. If more than one piece of Endwall Trim is required, lap pieces by a minimum of 2", making sure the lap occurs over a panel rib.
3. Place vertical leg of Endwall Trim behind siding for maximum weather-proofing. When this is not possible, use 1" wide mastic at the reverse edge and fasten to the wall, through the mastic.
4. Install Outside Closures 1" up from where the lower edge of the Endwall Trim meets the panel. Mastic applied to the top and bottom of the closure is recommended.
5. The roof side leg should be fastened with a #10 x 2" Woodscrew (or #14 x 7/8" Stitch Screw), penetrating through the panel, mastic and closure, at every rib.

SIDEWALL TRIM

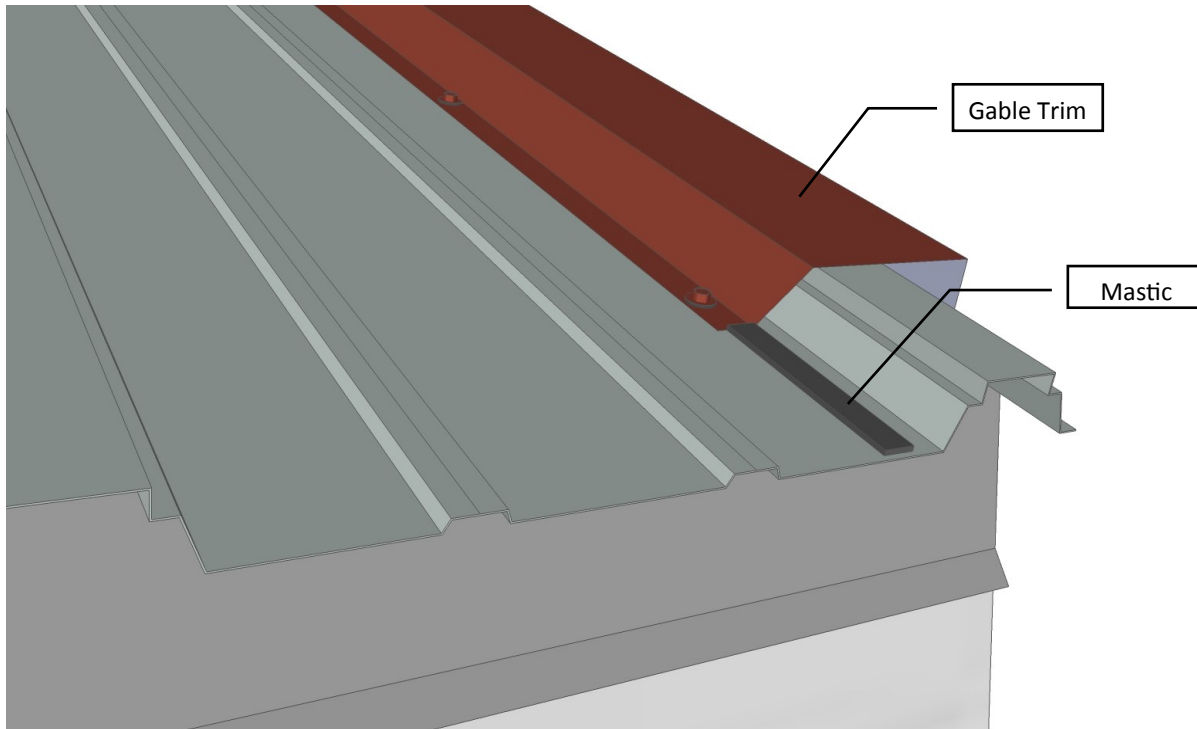
TRIMS #04 & #28



1. Install panel first.
2. If more than one piece of Sidewall Trim is required, lap pieces by a minimum of 2", working from the bottom up.
3. Place vertical leg of Endwall Trim behind siding for maximum weather-proofing. When this is not possible, use 1" wide mastic at the reverse edge and fasten to the wall, through the mastic.
4. Install mastic along top of panel rib (shown) if roof side leg goes over a rib. Should the Sidewall Trim land in between ribs, run mastic along length of panel. *NOTE:* When using #28 Sculptured Sidewall Trim, run mastic down the edge that meets the roof.
5. The roof side leg should be fastened with a #10 x 2" Woodscrew , penetrating through the panel and mastic, 2' on center. *NOTE:* Match field fasteners for a better appearance.

GABLE TRIM

TRIMS #25, 27, 43, 48 & 26

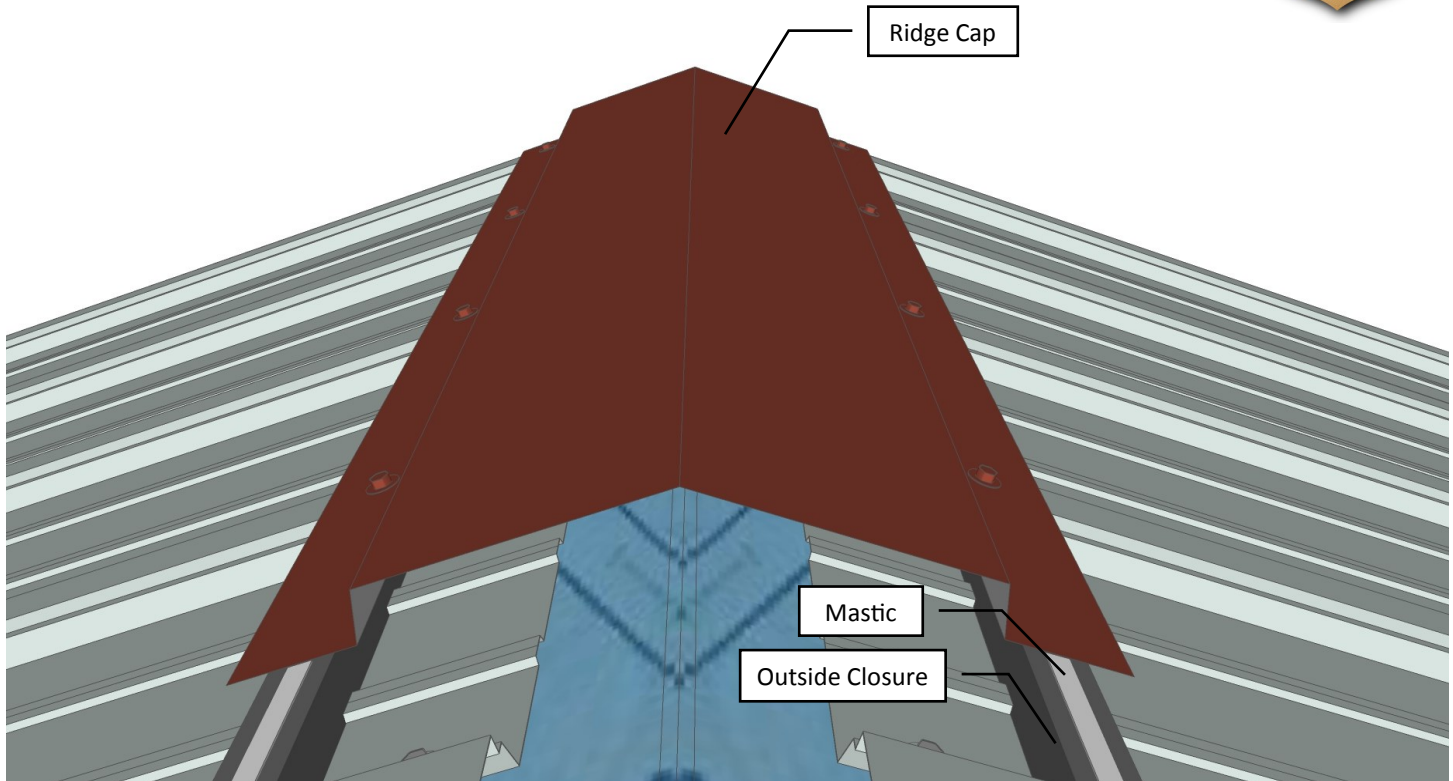


1. Run mastic on the roof side leg of the Gable Trim style.
2. If more than one piece of Gable Trim is required, lap pieces by a minimum of 2", working from the eave towards the ridge.
3. Attach with #10 Woodscrews , penetrating through the panel and mastic, 16" on center.
4. Let Gable Trim run 1" past panel at the eave so it can be cut and folded to create a closed end.



RIDGE CAP

TRIMS #01, 02, 07 & 08



1. Run panels to end 2" from center of ridge line.
2. Install closures 1" from each side of the Ridge Cap. Vented Closures are used instead of outside closures for a vented ridge application. Mastic is recommended on the top and bottom of closures.
3. On a Hip application, run panels where they almost touch each other. Use Hip Closures with mastic or Peel & Seal, to ensure weather-proofing.
4. If more than one piece of Ridge Cap is required, lap pieces by a minimum of 2", making sure the lap occurs over a panel rib.
5. Let Ridge Cap run 1" past the gable so it can be cut and folded to create a closed end.
6. Attach with #10 x 2" Woodscrews (or #14 x 7/8" Stitch Screw), penetrating through the panel and mastic, at every rib on both side of the Ridge Cap.



Pipe Flasher

EASY INSTALLATION



1. Choose pipe opening and trim



2. Slide over pipe



3. Form to roof profile



4. Apply sealant



5. Fasten to complete