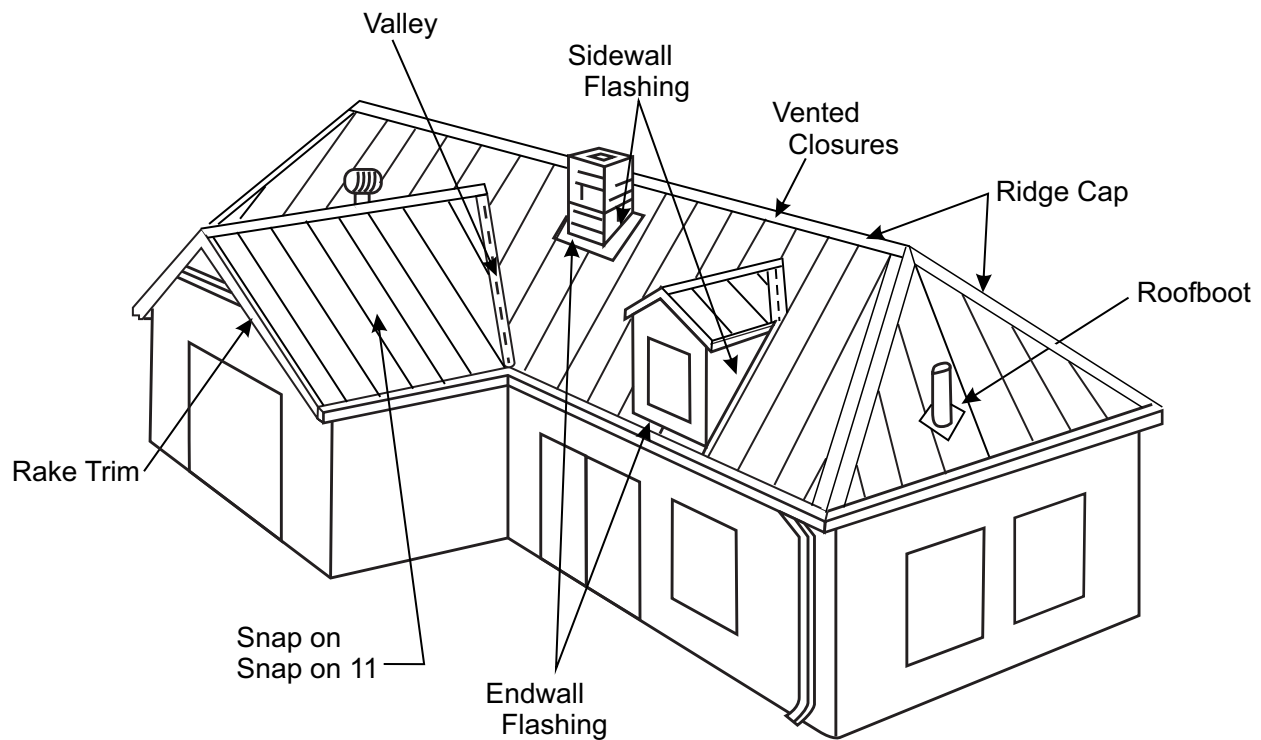




Snap On and Snap On 11 Standing Seam Panels

Installation Guide



www.buchnermfg.com

BAYVIEW SNAP ON ROOFING PANELS – The Perfect Fit For Your Roof

Thank you for purchasing another BUCHNER product. This product will be the last roofing you will need for 50 years.

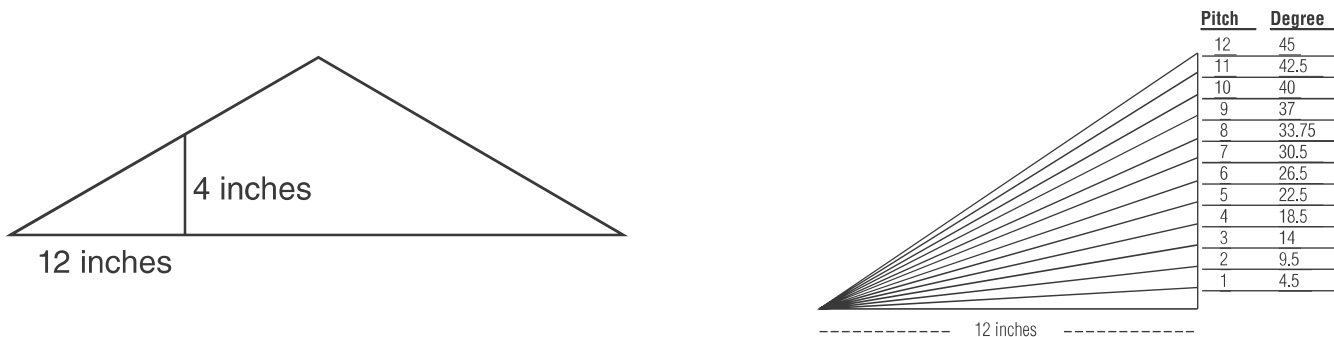
PLEASE READ BEFORE YOU BEGIN

IMPORTANT NOTICE

This installation guide provides basic installation techniques for both Snap on and Snap on 11 panels. The term Snap on mentioned throughout the guide refers to both profiles. Illustrations provided showing the basic techniques shall be used as a guideline only. These guidelines do not address all aspects of the roofing installation or custom roof design requirements. Each specific roof and its construction may require on-site variations from the information in this guide.

The quality of the installation will rely on the workmanship and experience of the contractor. Buchner Mfg Inc. recommends hiring a professional, experienced roofing installer to perform this installation. It is your responsibility to consult, understand and adhere to local building and safety codes.

Roof Pitch - Bayview Aluminum Snap On and Steel Snap 11 should only be installed on slopes of 4/12 or greater. It is recommended that the panels are installed over a solid backing with appropriate underlayment.



Aluminum Snap on - The Snap on panel is made from .022 thick aluminum, coated with DURAPON 70 PVDF for steep slope roofs. Do not mix with steel, lead or copper components.

Steel Snap 11 and Snap on - The steel panels are made from 28 ga steel

Storage - All materials purchased from Buchner Mfg must be stored in a dry, ventilated area protected from moisture and chemicals. It is recommended to install the roofing panels as soon as possible after purchase.

Work Safely - Make sure you wear the appropriate safety equipment to prevent a fall.

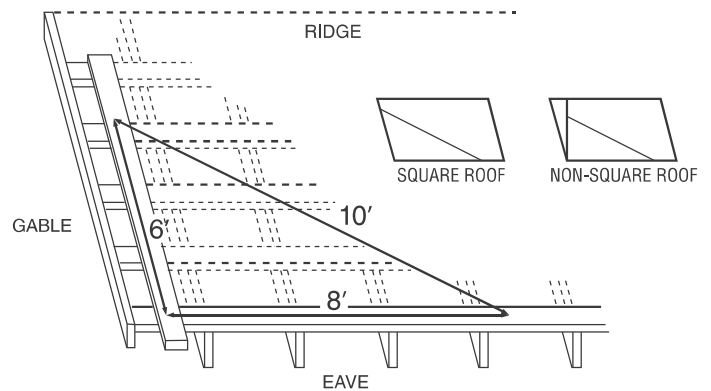
Footwear - Metal roofs can be slippery. Wear soft soled shoes or foam rubber overshoes which can grip the surface. When stepping on the metal roof place your foot in the centre of the panel.

***Helpful Tip** - Before stepping on the roof brush off any debris that has adhered to the bottom of your footwear.

Bayview Snap on Roofing can be installed on any wood-based panels used for roof sheathing conforming to your local building code. Inspect the deck for any damaged or uneven spots and make repairs. Snap on panels should be installed on a solid wood substrate free from warped surfaces. Pressure treated lumber is not recommended as a solid backing.

Underlayment should be applied following the local building code and manufacturers guidelines. An Elastomeric High Temperature self adhesive underlayment is recommended in areas where driving rain, snow accumulation and ice damming are most likely to occur. In all other areas a synthetic underlayment can be used.

- Check the roof squareness. Draw a mark on the eaves at an 8 ft distance from a corner. Draw a second mark on the gable edge at a 6 ft distance from the eaves. If the distance between the two is 10 ft the roof is square at this corner. Repeat for all roof corners.
- During installation make sure the total width of the panels is a multiple of the coverage width of the panel being installed. Avoid stretching panels to adjust them, this may cause buckling of the panel.
- Check and adjust the roof deflection before installation. Attach a straight line between top and bottom of the roof to ensure the roof deck is straight.



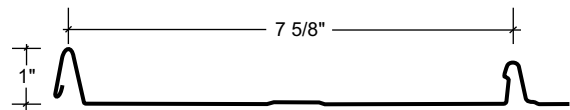
NOTE. These guidelines assume the roof is square. Otherwise trim the panel along its length to match the roof line at the gable. Then install a gable flashing to minimize the visual impact.

Recommended Tools

- Metal Snips
- Chalk Line
- Small Square
- Hammer
- Fall Arrest equipment
- Cordless Drill and drive bits
- Knife and extra blades
- Hand Seamer / Folding Tool
- Caulking Gun
- Tape Measure
- Ladder
- Portable Brake

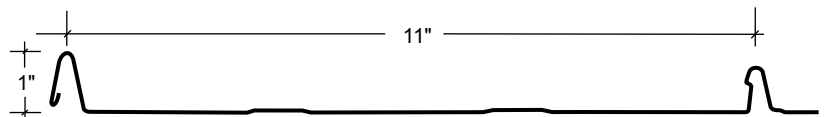
Snap on Panel

7 5/8" coverage width
Available in aluminum and 28 ga steel
8 ft - 24 ft lengths



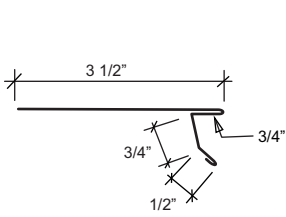
Snap On 11

11" coverage width
Available in 28 ga steel.
8 ft - 24 ft lengths

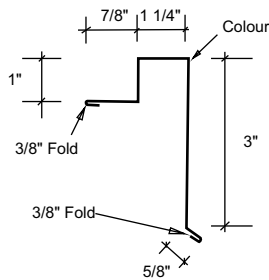


Buchner Mfg manufactures trims made from material with the same finish to use with the roofing panels. This will provide the building owner with a long lasting finish on the complete roof. Any trims or flashings made on site should be fabricated with flat stock from Buchner Mfg to provide the same finish quality.

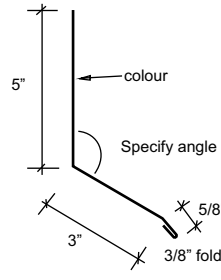
You can order custom flashings from Buchner Mfg. Call **1-800-461-6455** and one of our Sales Staff will assist with the details.



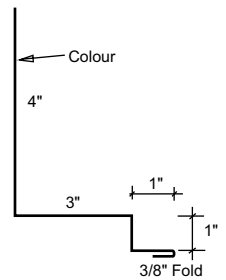
Eaves Starter



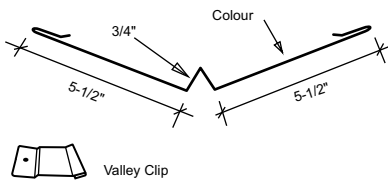
Gable Trim



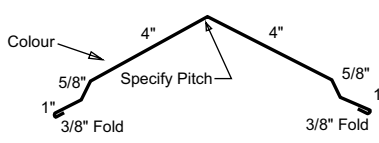
Endwall Trim



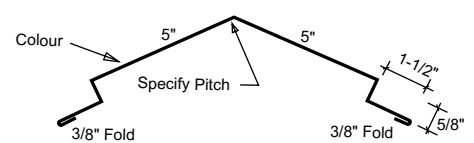
Sidewall Trim



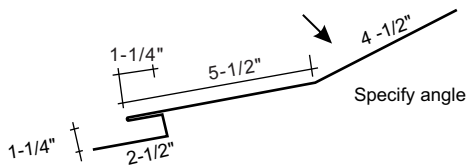
Valley



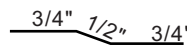
Aluminum Ridge Cap



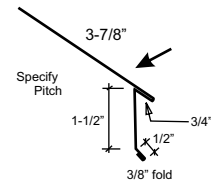
Steel Ridge Cap



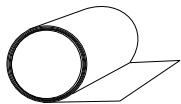
Slope Change



Starter Clip



Extended Eaves Starter



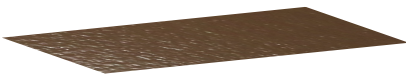
Embossed Aluminum Trim Coil
24" x 50 ft roll



Solid Foam Closures
Snap on panel 30" long
Snap 11 panel 33" long



Vented Closures
Snap on panel 30" long
Snap 11 panel 33" long



Embossed Steel Flatsheet
28 ga 15" x 10 ft



#10 x 1 1/4" Flathead screws
5000 per ctn
Used to fasten steel panel.



2" Hex head Screw with washer (500)
Used with steel panel and trims



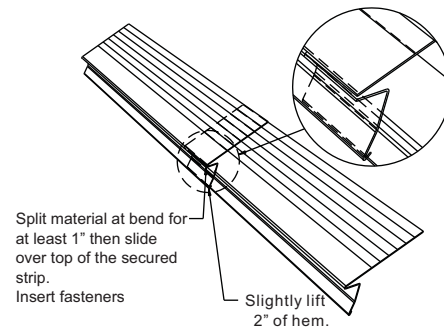
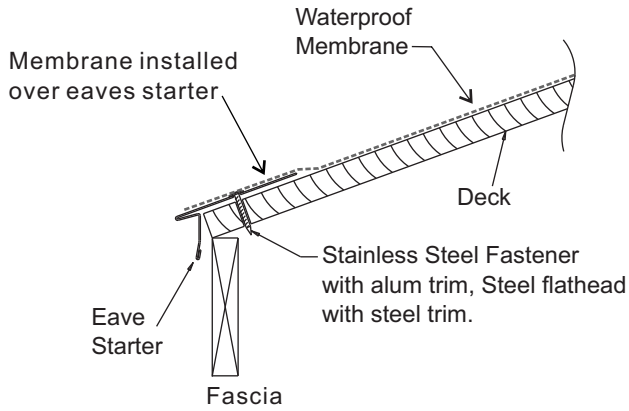
Stainless Steel screws
1", 1 1/4", 2", 2 1/2"
1000 per ctn
Used with Aluminum panel



Washers for use with SS screws to seal exposed screws
Pkg 100

NOTICE

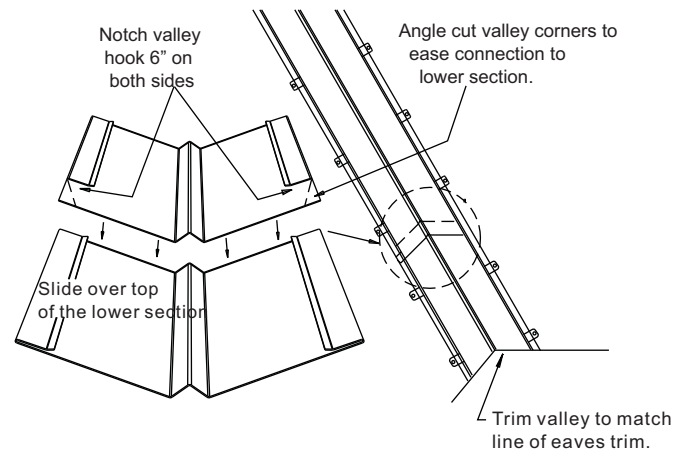
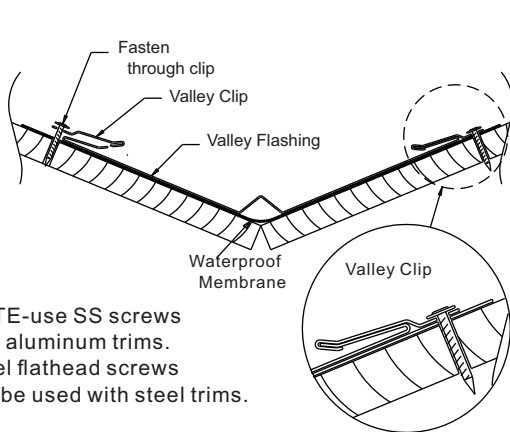
The Bayview Roofing Trim System is manufactured to suit a variety of installation types. On-site modification of trims may be needed to suit your specific project needs. Custom trims and flat stock are available.



- Fasten the eaves starter every 16" or closer in high wind areas along the length of the eave starter.
- Use SS screws for aluminum trim. Steel flathead screws can be used with steel trims.
- If your area is subject to high winds screws can be added along the leg of the eave starter fastening into the fascia board. Apply underlayment on top of eaves starter.
- Buchner can custom fabricate eave starter to fit any roof eave.

- When joining eaves starter notch the edge bend on the eave starter leg about 1".
- Slide the notched eave starter over top of the secured piece.
- Press the 2 pieces together and insert your fasteners.
- NOTE - never install a fastener through the joint. It should be placed at least 2" from the joint.

Install Valley



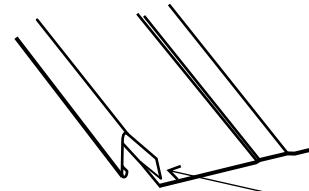
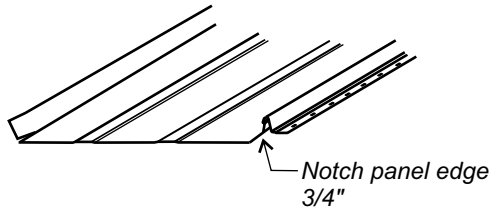
- Install the valley on top of elastomeric underlayment min 36" wide along the centerline of the roof valley.
- To ensure the valley runs straight, measure 5 3/4" from the valley center at the eave and top of the valley.
- Run a chalk line between these points and snap a line for your guide.
- Mitre the bottom edge of the valley to match the eaves line. Folding a 3/4" tab around the eaves trim will provide a cleaner finish and provide support to the valley flashing.
- Fasten the valley with clips and screws every 16" on both sides of the valley.

- Join two sections of valley together making sure the upper section overlaps the bottom section.
- Notch the side hooks a minimum of 6".
- Angle cut the corners and place on top of the lower section.
- Sealant should be used between the 2 pieces.

NOTE - Use SS screws to fasten both aluminum panel and steel panel

1 - Notch the panel as shown.

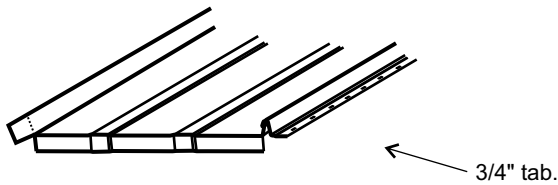
Notch fastener rib
3/4" back from
panel end



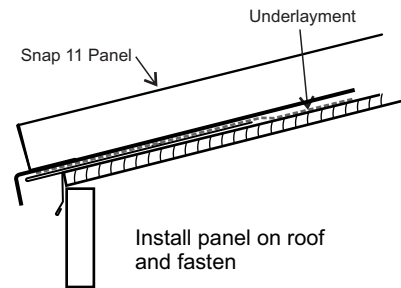
Notch outer locking
edge 3/4" leaving inner
tab to fold over rib end
after panel is installed

Leave tab
on rib straight

2 - Bend the 3/4" tab on the panel down 90° with hand folders.

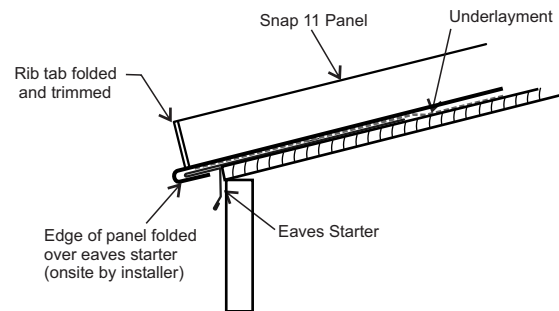


3 - Install the panel on the roof locking over the previous panel. Leave a gap between the panel and the eaves starter for thermal movement. Fasten the panel at 12" to 16" spacing. Do not snug the screws tight. Leave room for the panel to move.

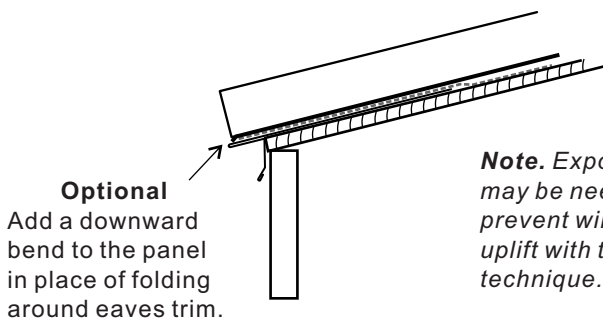


Install panel on roof
and fasten

4 - Bend the 3/4" tab around the eaves starter. Use hand folders to tighten the bend (use caution not to dent the panel). Bend the rib tab over the rib end and trim to match rib profile.



Install Panels without Fold



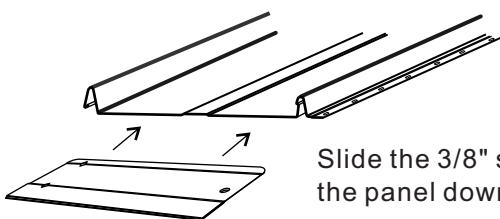
Optional
Add a downward
bend to the panel
in place of folding
around eaves trim.

Note. Exposed fasteners
may be needed to
prevent wind
uplift with this
technique.

- An alternative to folding the panel around the eaves trim is to place the panel even with the lower edge of the eaves trim
- A folding tool can be used to bend the lower 3/8" of the panel downward. This will help the panel stay flat on the eaves trim.
- Using this method may require exposed fasteners to reduce the risk of wind uplift.

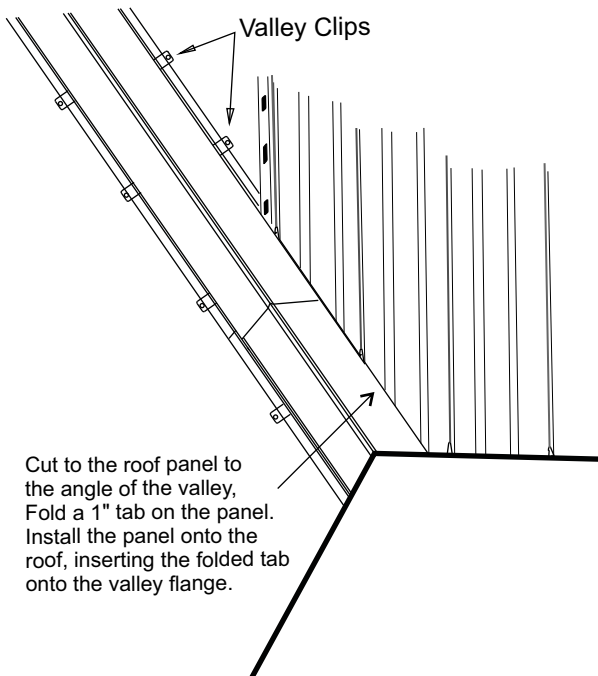
MWHT6207000 Folding tool for 7 1/2" Snap on

MWHT6211000 Folding tool for Snap On 11

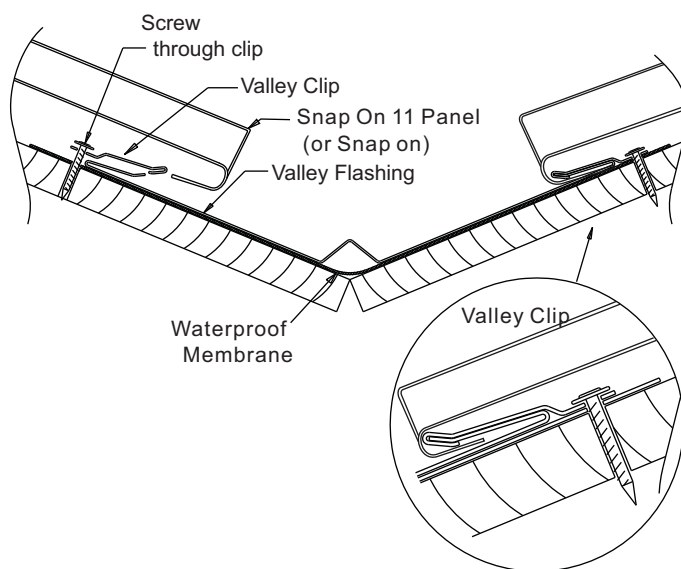


Slide the 3/8" slot of the tool over the edge of the panel and bend the panel down slightly. Install the panel.

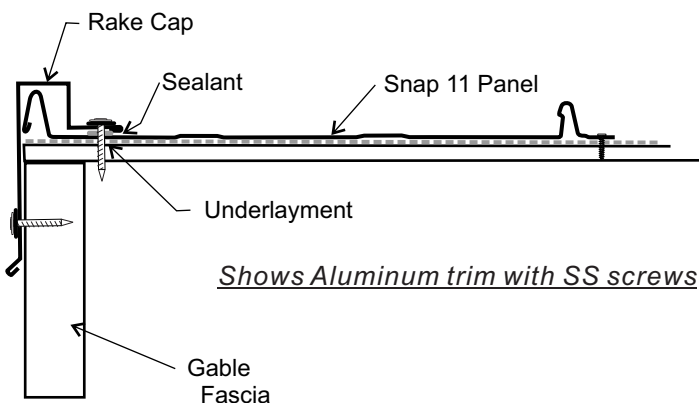
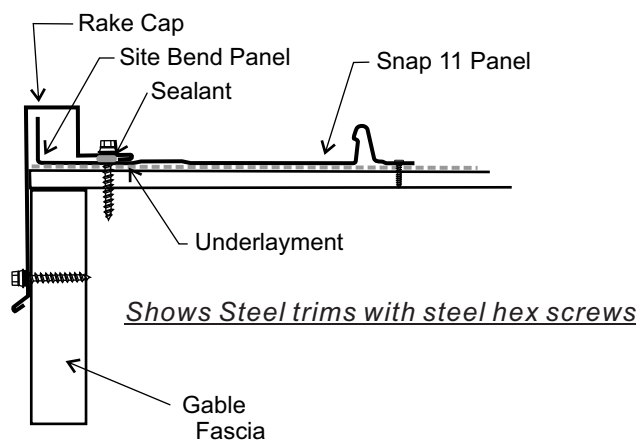
NOTE - Use SS screws to fasten aluminum panel, Steel flathead screws with steel panel.



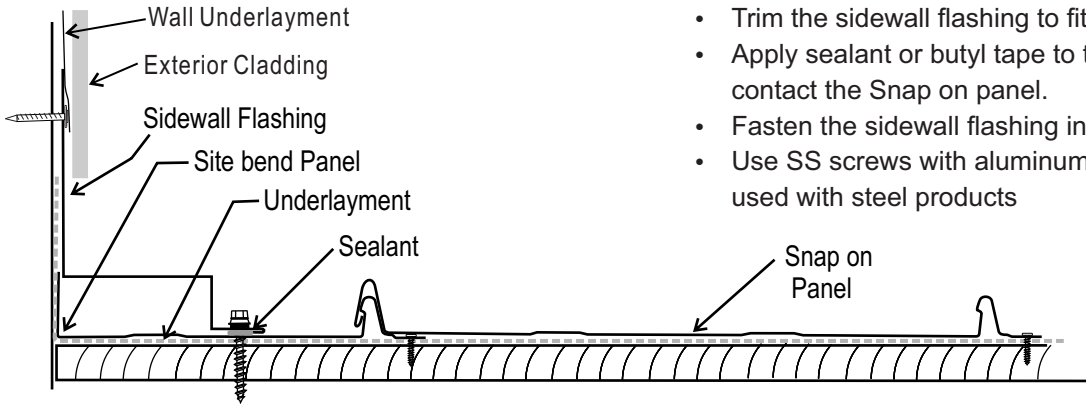
- Install the valley over elastomeric underlayment as per instructions on page 5.
- Cut the Snap on panels to the correct angle matching the valley and fold a 3/4" to 1" tab to interlock with valley. Leave a tab on the rib to fold over and close off the end of the rib.
- Sealant can be used in the rib cavity to seal the rib end.



Gable



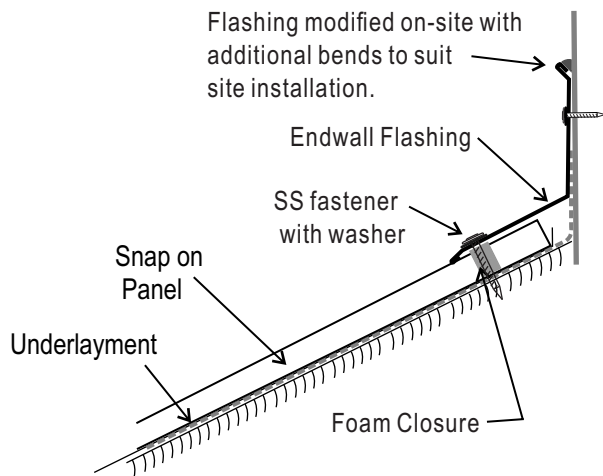
- The Rake Cap is installed after the snap on panels are installed. If the Snap on panel is cut down in width a bend on the edge under the rake cap will help to prevent buckling of the roof panel.
- Apply sealant between the rake cap and the Snap on panel.



- Install Underlayment and extend up the wall 4-6"
- Install the Snap on panel
- Trim the sidewall flashing to fit.
- Apply sealant or butyl tape to the sidewall flashing flange that will contact the Snap on panel.
- Fasten the sidewall flashing into the roof deck and to the wall.
- Use SS screws with aluminum product. Steel hex screws can be used with steel products
- On-site modification of the flashing may be needed to suit the specific roof design.

Endwall

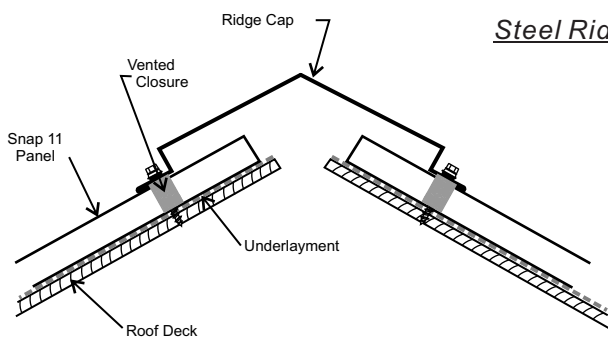
Aluminum Endwall Trim Shown



- Install Underlayment and extend up the endwall 4"-6".
- Install Snap on panel keeping the end of the panel back from the underlayment upward bend to avoid cutting into the underlayment.
- Apply the foam closure on top of the Snap on panel approx 3" down from the endwall.
- Install the endwall flashing fastening through the closure into the roof deck.
- Fasten the flashing into the wall.
- Use SS screws with aluminum product. Steel hex screws can be used with steel products.
- On-site modification of the flashing may be needed to suit the specific roof design.

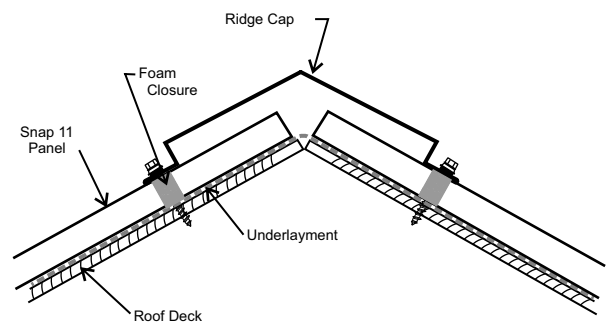
Ridge Cap

Vented Ridge Cap



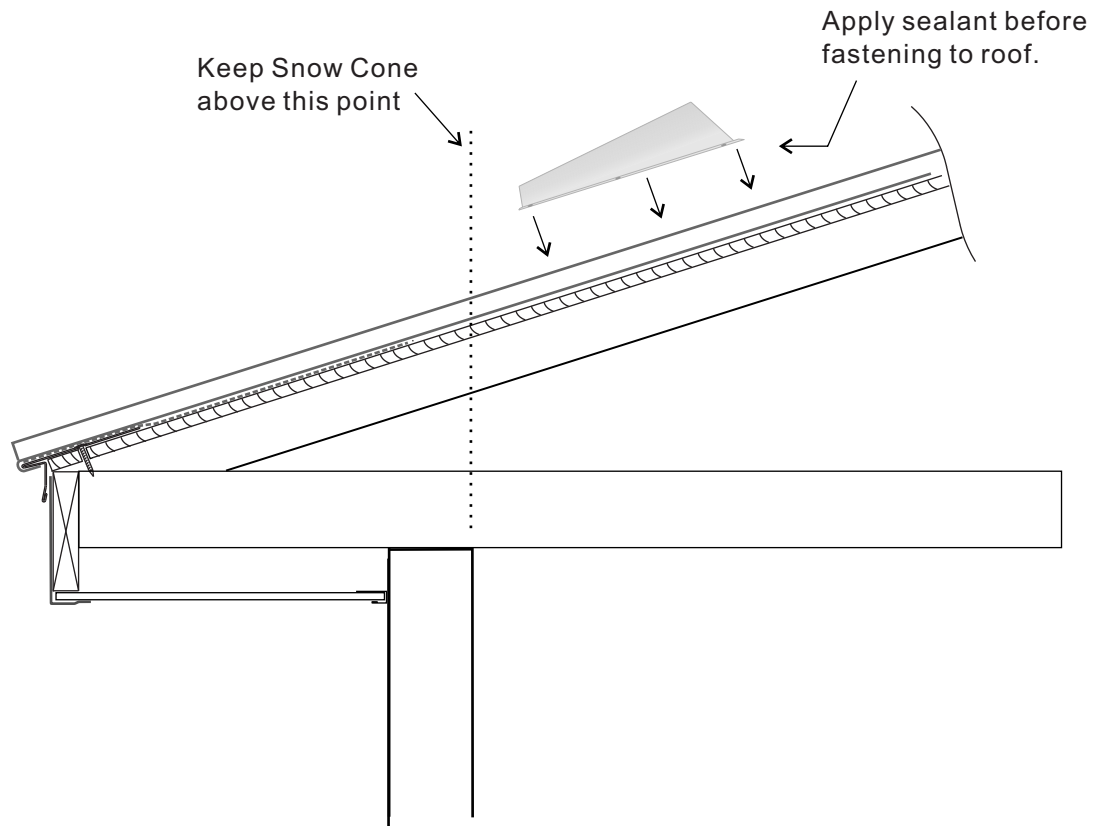
Steel Ridge Cap shown

Non Vented Ridge or Hip

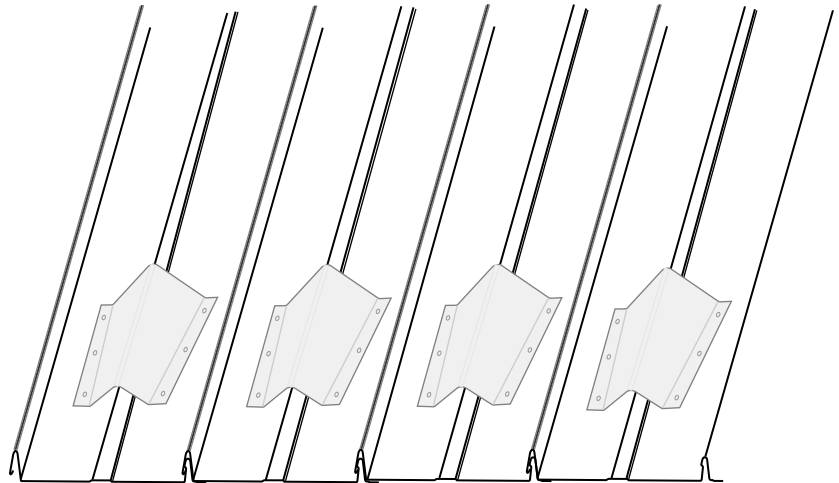


- For Vented Ridge cap cut out the roof deck approx 1-1/2" back from the ridge peak on either side of the ridge.
- Snap on panels should be measured and cut to be 1-1/2" back from the ridge peak.
- Apply the vented closures to the top of the snap on panel
- Install the ridge cap and centre on both slopes of the roof.
- Fasten through the panel into the roof deck. Use SS screws with aluminum product, Steel hex screws with steel product.
- If not venting the roof the snap on panels can be cut 1/2" - 1" back from the ridge peak and sealed with solid closures.

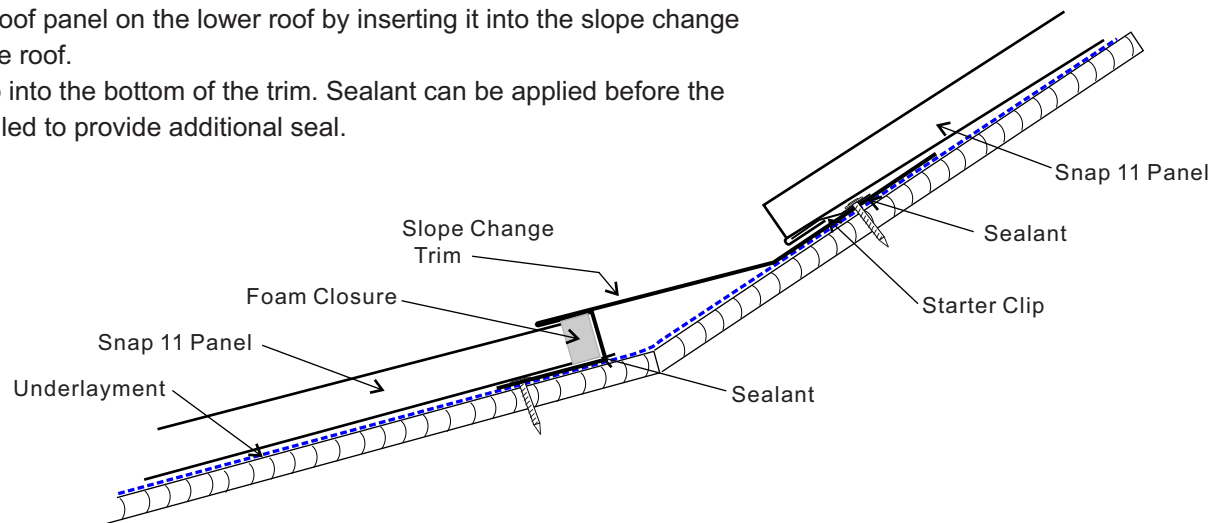
Snow Cones are manufactured from the same material as the Steel Snap On panels and are available in the same colours. They fasten on top of the Snap On panels to hold snow and allow it to come off the roof in smaller amounts. Snow Cones should be fastened higher on the roof line than the outside supporting wall and can be applied in multiple rows if required. Apply sealant to the underside of the snow cone before placing on the roof and fastening. Snow Cones are only available in steel.



Snow cones can be applied in a straight line across the roof or staggered. Multiple rows can be used if the roof lengths are longer.



- Apply underlayment on lower slope of the roof and extend up past where slope change trim will be installed. Resisto® Lastobond Pro HT underlayment is recommended for this application.
- Install slope change trim using a chalk line to keep straight.
- Install the starter clip on top of the slope change trim with sealant under the clip leaving a 1" space between the clip and the slope change bend. Fasten every 12"-16".
- Bend a 1" tab on a panel for the upper roof and interlock the panel with the starter clip.
- Fasten the snap on panel to the roof.
- Install the Snap on roof panel on the lower roof by inserting it into the slope change trim and fasten to the roof.
- Insert a closure strip into the bottom of the trim. Sealant can be applied before the closure strip is installed to provide additional seal.



Mansard Roof

- Snap on and Snap 11 can be applied to a wall as well as a roof.
- Install the panel to the wall area with J closure at the top.
- Install an extended eaves starter over the wall section and fasten to the roof.
- Prepare a Snap on panel to hook on to the eaves starter and install the panel.

