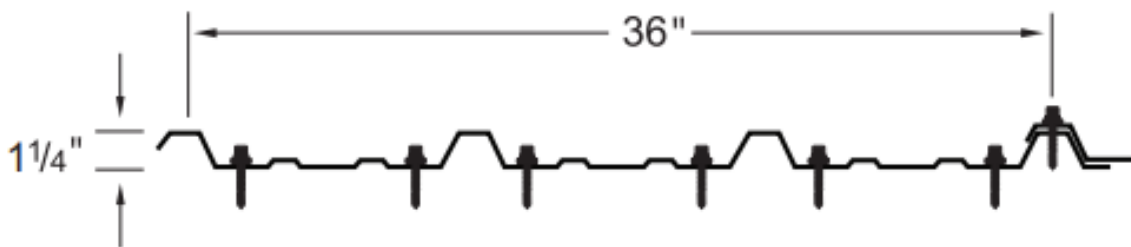# PBR Installation Guide

The use of PBR Panels is to be applied only on a clean substrate or open framed structures utilizing purlins.
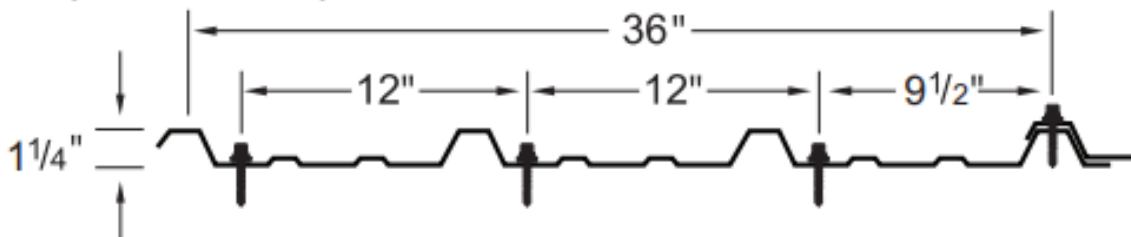
INSTALLATION OF PANELS(Roof)

After the walls and eve trim have been set , apply a genourous amount of mastic 2"- 4" from the leading edge of the eve trim . Following the screw pattern below for the eve, set the eve first before setting the ridge. Square the roof , run a tape measure at the ridge and eve to ensure that the panels are staying flush and the roof line straight . After setting the eve set the ridge with the same screw pattern . Next screw down the rest of the panels following the pattern set below for the interior of the panel. PBR is intended to be installed by profesionals as a solution for agricultural or commcial settings. All of our standard trims are avalaible, but MUST be specifed that its being used to recieve or applied to PBR panels.

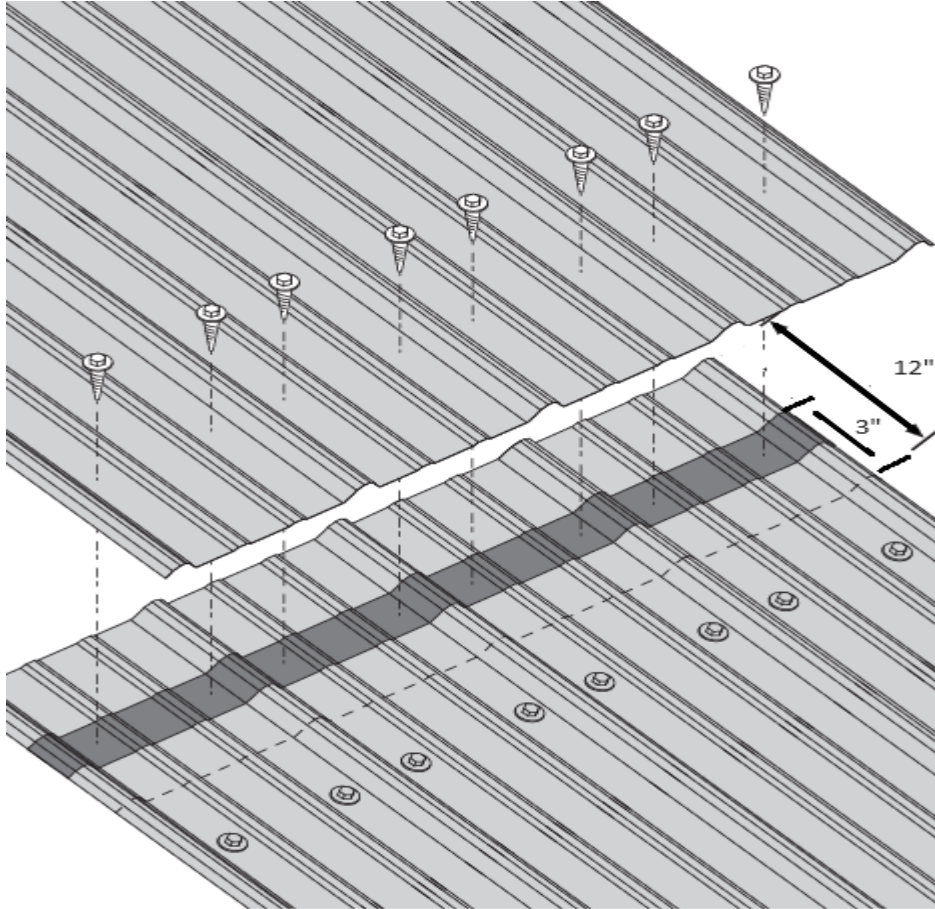**Fastener pattern at panel termination (Eave, endlap, valley, ridge, high eave)**

Fastener pattern at interior of panel
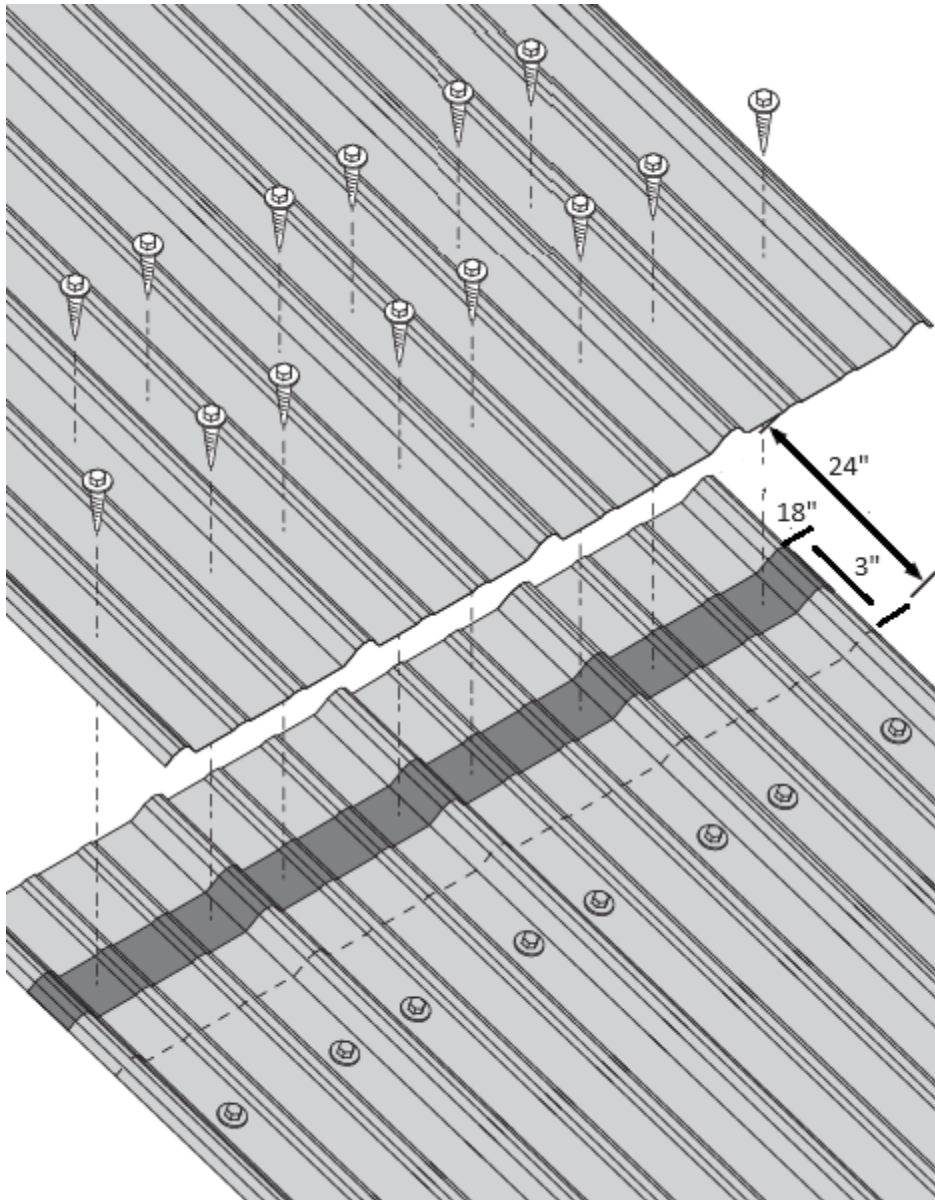
ROOF OVERLAP

When over lapping a PBR Panel on a solid Substrate we recommend a 12" overlap.

Using a row of butyl tape within the first three inches of the overlap, screw through the lap , butyl tape , underlap panel and into the substrate. Use the screw pattern that was used at the eve.
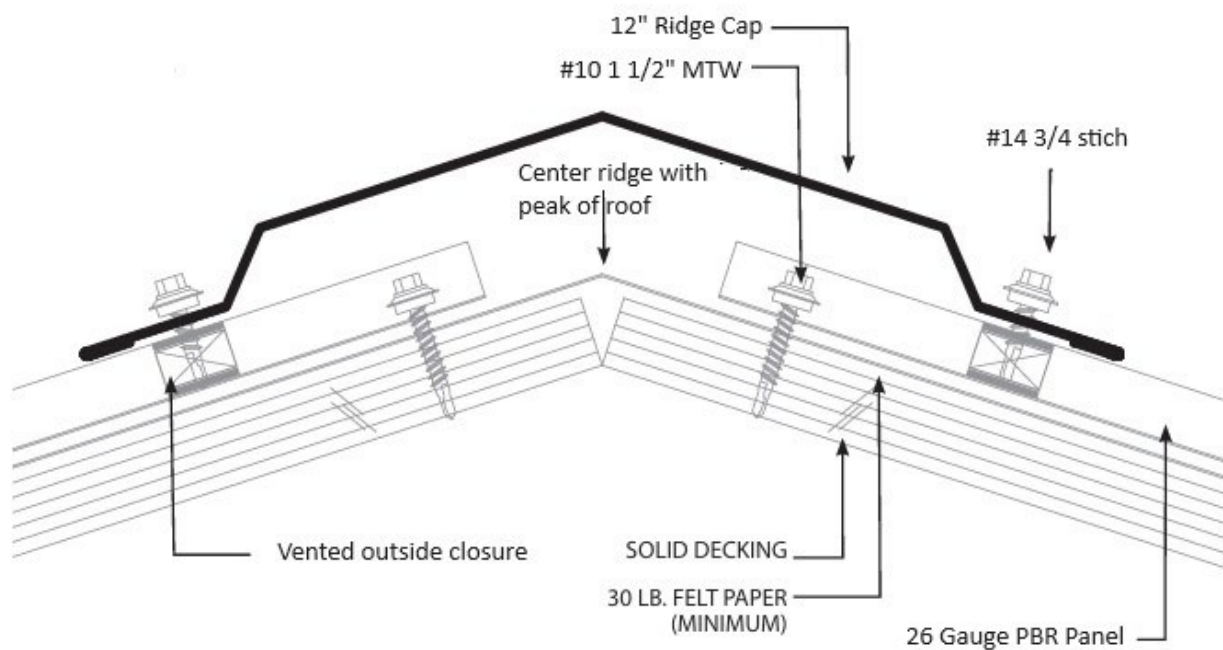
OVERLAPPING ON A PERLIN

If overlapping on a purlin , 24" overlap is recommended . A row of mastic is recommended at the first 3" then at 18" with screws being used as shown below. If condensation is a concern inside of the structure , placing a row of mastic between the purlin and panel will help.
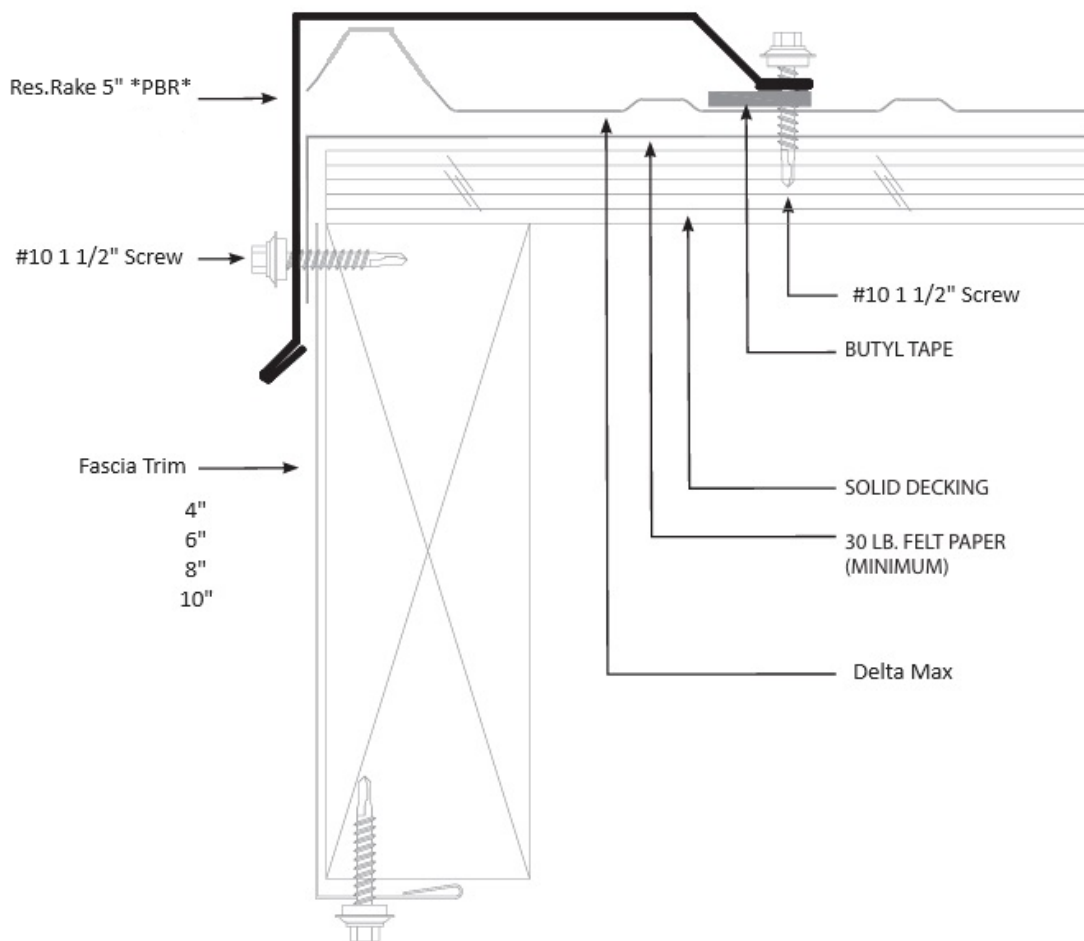
Ridge Cap PBR

Using a Ridge (specify pitch) designated PBR to the salesperson. Snap a chalk line when installing the vented closure, so that when you screw through the ridge, closure strip, and into the rib of the panel to ensure straightness. Keeping center, the ridge peak to the roof peak. Making sure not to "Smash" or "Flatten" the ridge down while securing it to the panel.

12" Ridge Cap

#10 1 1/2" MTW

#14 3/4 stich

Center ridge with peak of roof

Vented outside closure

SOLID DECKING

30 LB. FELT PAPER (MINIMUM)

26 Gauge PBR Panel

RESIDENTAL RAKE PBR 5"

When installing the res. rake, make sure that the face of the rake is plum and flush with the fascia. Once you have Identified where the rake will set on the roof panels, run a strip of butyl tape. As you fasten the res. rake on the roof, make sure that your screwing through the kicker, hem , and the butyl tape ,fastening to the substrate with a # 10 1 ½" MTW screw. Then make sure the face of the rake is not "hanging" on the edge of the panels. Plum the

face then fastens with a # 10 1 ½" MTW screw.

Res.Rake 5" *PBR*

#10 1 1/2" Screw

Fascia Trim

4"
6"
8"
10"

#10 1 1/2" Screw

BUTYL TAPE

SOLID DECKING

30 LB. FELT PAPER
(MINIMUM)

Delta Max

CUTTING AND DRILLING

Delta Metals recommends tin snips/hand shears, electric nibblers or a profile shear to cut metal panels and trim. All product surfaces should always be free of debris. Installed surfaces should be wiped clean at the end of each work period. Never cut panels over metal surfaces. When cutting metal panels, always wear heavy gloves to avoid cuts from sharp edges and safety glasses to prevent eye injury. Delta Metals discourages the use of a power saw that may generate hot metal shavings. Hot shavings can stick to the painted surface. If loose shavings are not removed from the panel surface immediately, they will begin to corrode and shorten the life of the product. One method of preventing this problem is to flip the panel over when cutting and only cut one panel at a time. This allows you to brush shavings off the back of the panel and helps to avoid damaging the painted finish. Make sure that stacks of panels are away from the cutting area, so shavings do not blow onto other panels.

DRILLING Always use a cover sheet underneath your panel if you are predrilling fastener holes. Do not predrill more than one panel at a time. Predrilling multiple panels can cause shavings to become embedded in interior panels. Brush away any loose shavings immediately.

CAUTION!! Shavings created by saw cutting or drilling may cause the panel to rust and could void the warranty of the metal.