

Installation Manual

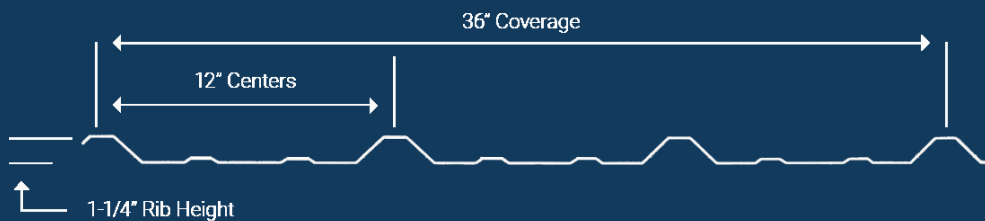


FOR STANDARD
INSTALLATION PROTOCOL
USE BY INDUSTRY
PROFESSIONALS



Quality Without Compromise

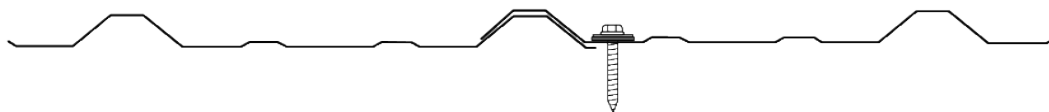
PBR PANEL



Installation Instructions & Information

Overlap Instructions

The PBR Panel may be installed vertically or horizontally on sidewall applications and vertically on roof slope applications. The installer must pay special attention to sheet overlaps and be certain to do so as they are displayed in the below diagram.



With roof and wall applications, start installing at the end of the building opposite the direction of the prevailing wind. With horizontal wall applications, start installing the metal at ground level and work up. On walls the girt spacing to which the metal is being applied should be no more than 48" o/c. On roofs, the purlin spacing ought to be no more than 48" o/c. Always refer to your structural engineer. The minimum slope to which PBR panels should be applied is 2.5/12. It is recommended to use sealing tape with all applications.

PBR panels should be no longer than 25' to minimize the effect of metal expansion and contraction. This length is also easier to handle during installation. In situations where longer lengths are required, the ends will be overlapped. On roofs, the distance of end overlap varies with the amount of slope. When the slope is from 2.5/12 an end overlap of 12" is required, a 2.5-4/12 slope requires a 9" overlap, and a 4/12 slope requires a 6" overlap.

To further moisture proof the building, a recommended sealing tape or caulking may be installed on all overlapping edges. Side edge overlaps should be caulked at the top of the rib, while end overlaps should be caulked at the ends of both the top and bottom sheet.

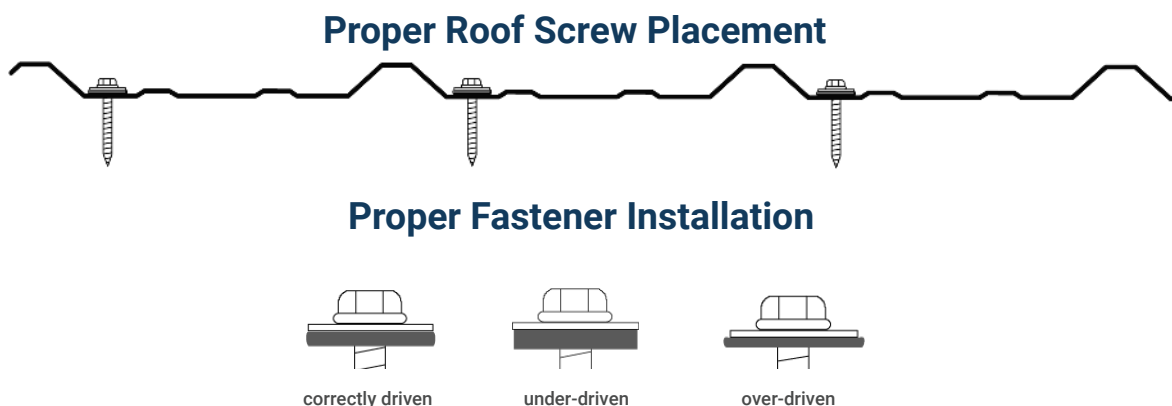
Application and Preparation

Fasteners should be installed into a solid backing or purlins. Avoid installing directly over green, damp or chemically treated lumber, porous insulation or other damaging materials. The use of a moisture barrier (such as Ice & Water Shield) is recommended in such situations. Corrosive chemicals, fertilizers, manure, some soils, and lime may cause premature deterioration and will need to be cross referenced with material and paint warranties as to ensure warrantability. When in doubt, reach out to one of our professionals for further assistance.

Installation Instructions & Information

Fasteners

Screw fasteners of 1" to 2" length are placed beside every high rib on the width of the sheet and at each girt or purlin as per diagram below. To estimate the quantity of screw fasteners required, estimate 1 screw per square foot of cladding. Screws should be installed to firmly hold the cladding, but must not be overdriven as this will cause the washers to squeeze out or dent the cladding. Panels should always be fastened to a rigid backing, not onto a backing of old shingles or insulation, for example.



Panel Storage

If the panels are not going to be used immediately, they should be stored in a dry well ventilated area. If it is not possible to store the material inside, block up the panels to allow air movement around the bundles. It is important to also raise one side of the bundles to ensure positive draining, and to use a good quality cover (other than plastic) anchored loosely to protect the material and still allow ventilation. Store away from corrosive substances, electricity and any other materials that could contaminate or damage the surface of the panels.

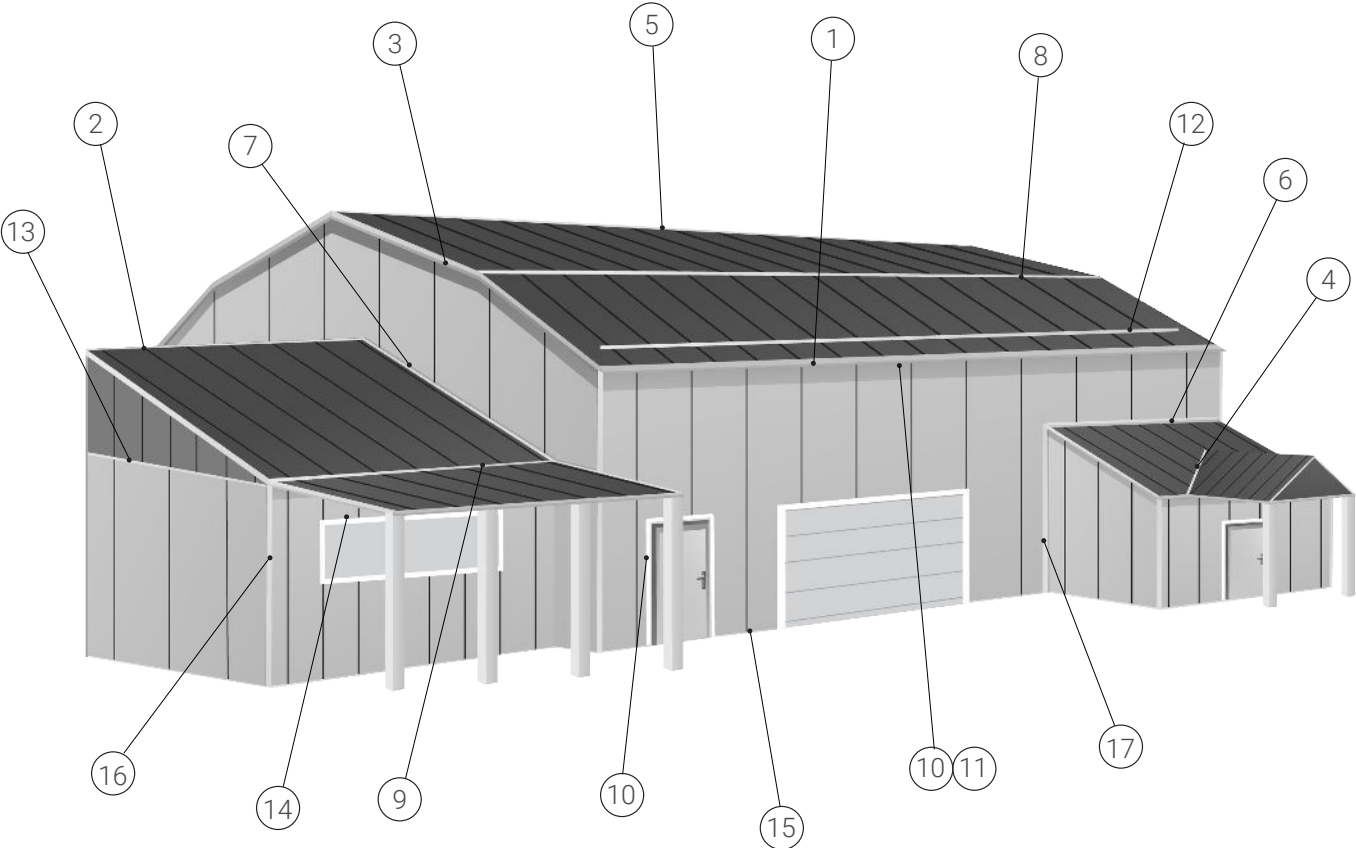
Safety Testing

We worked with UL Solutions to obtain third-party, science-backed certification for our PBR Panel. This product is Classified by UL Solutions as to standards listed. For information on standards, see the UL Roofing Materials and Systems Directory.



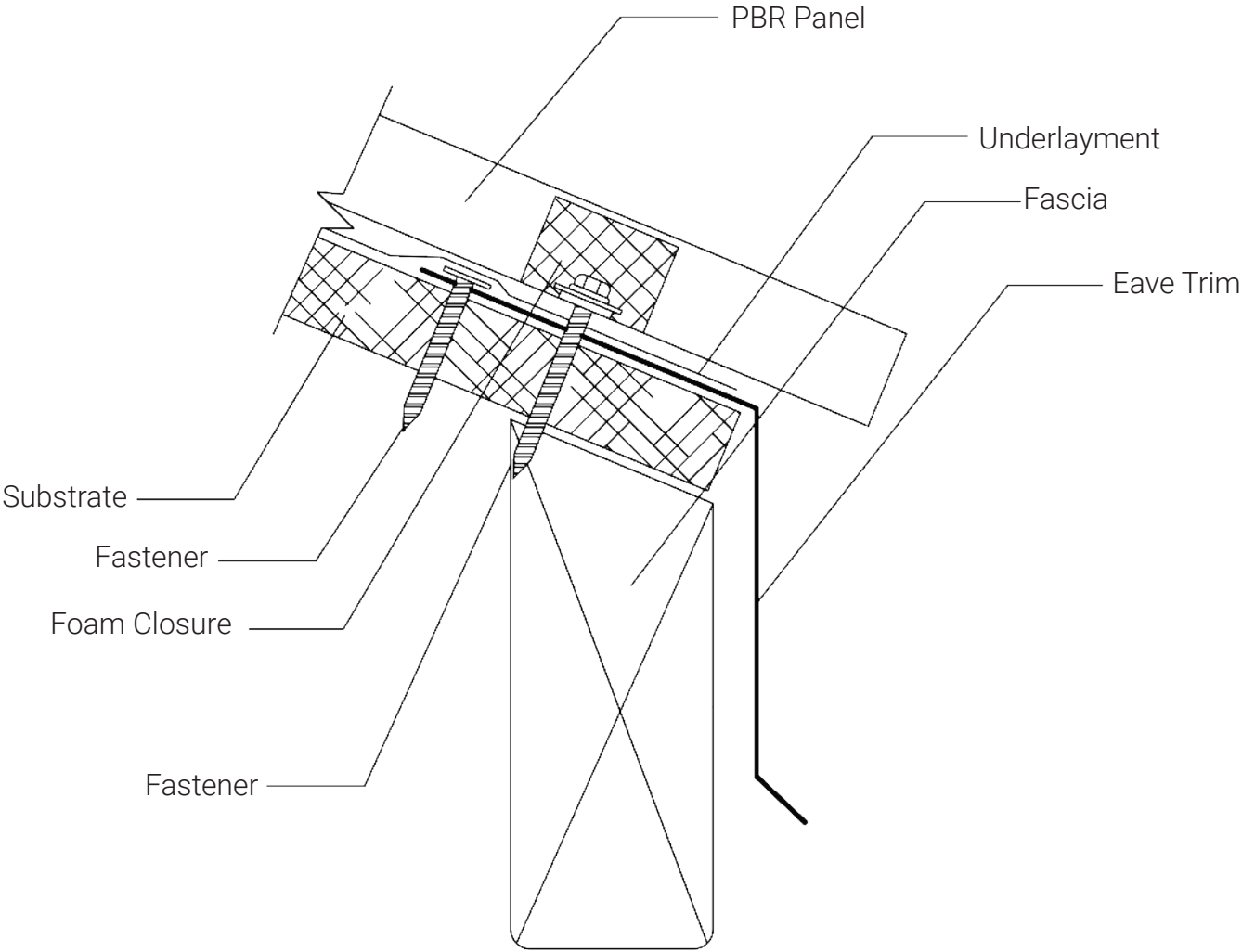
UL2218 *Class 4 Impact Rating*
UL790 *Class A or C Fire Rating*
UL580 *Class 90, 60, or 30 Wind Uplift Rating*

Trim Detail Locator

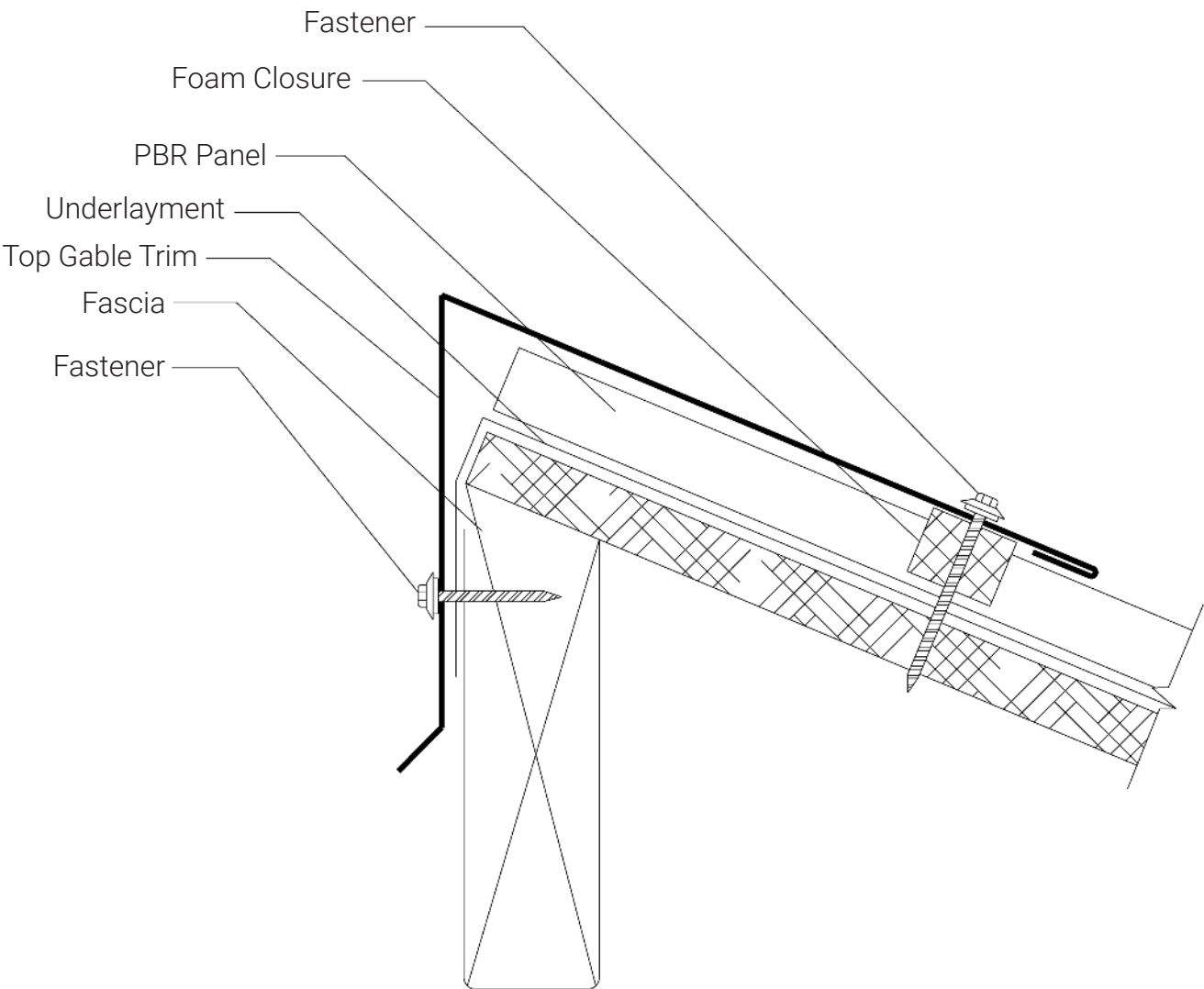


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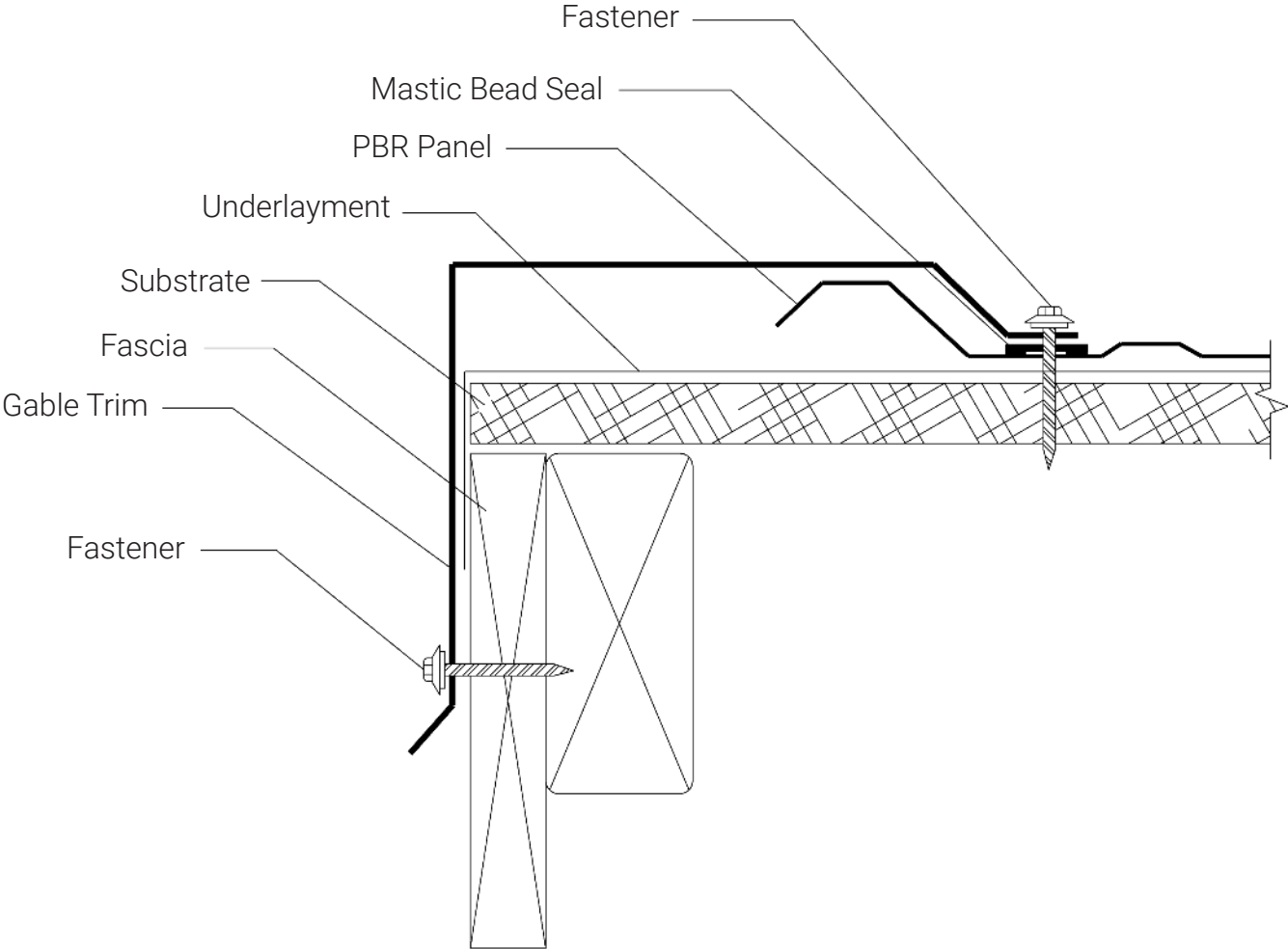
Eave Trim Detail



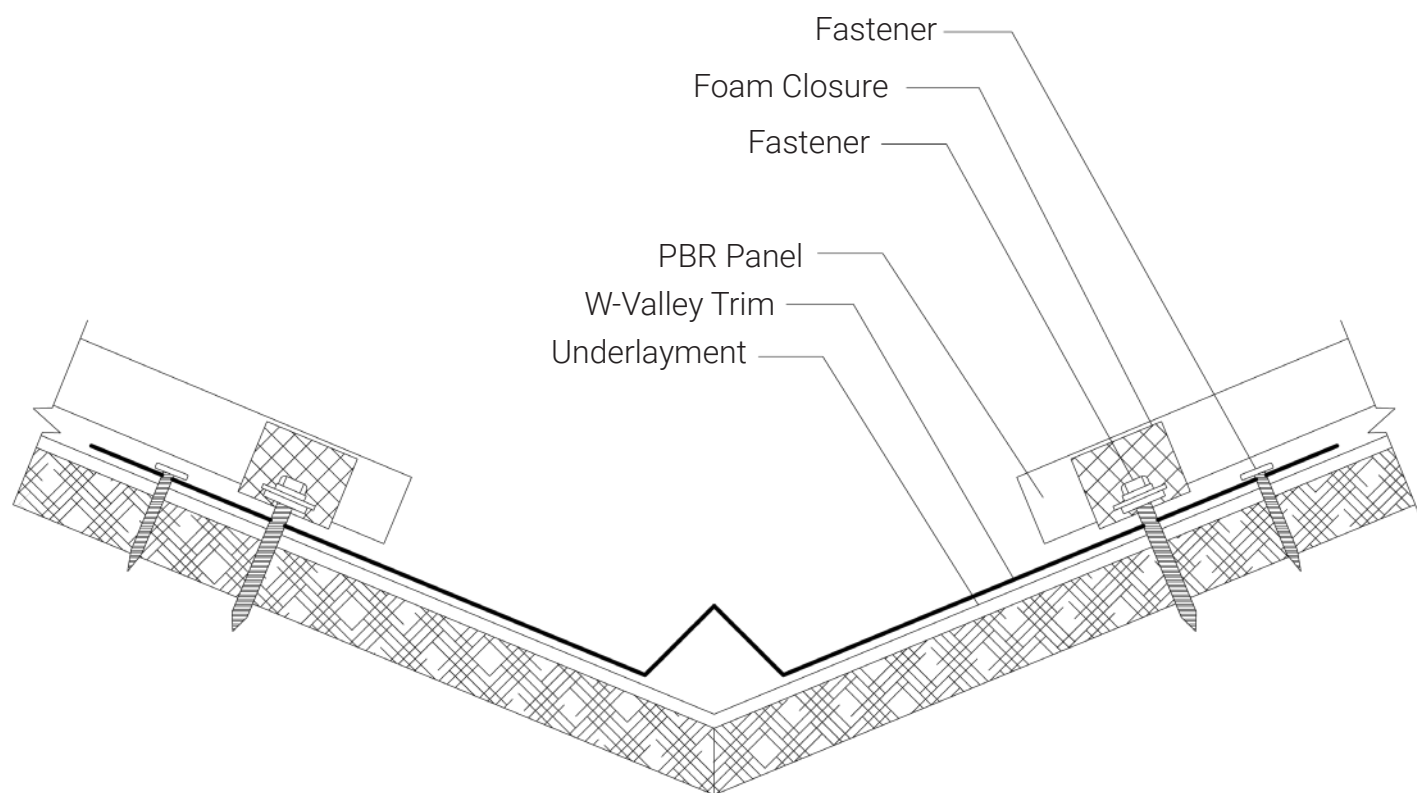
Top Gable Trim Detail



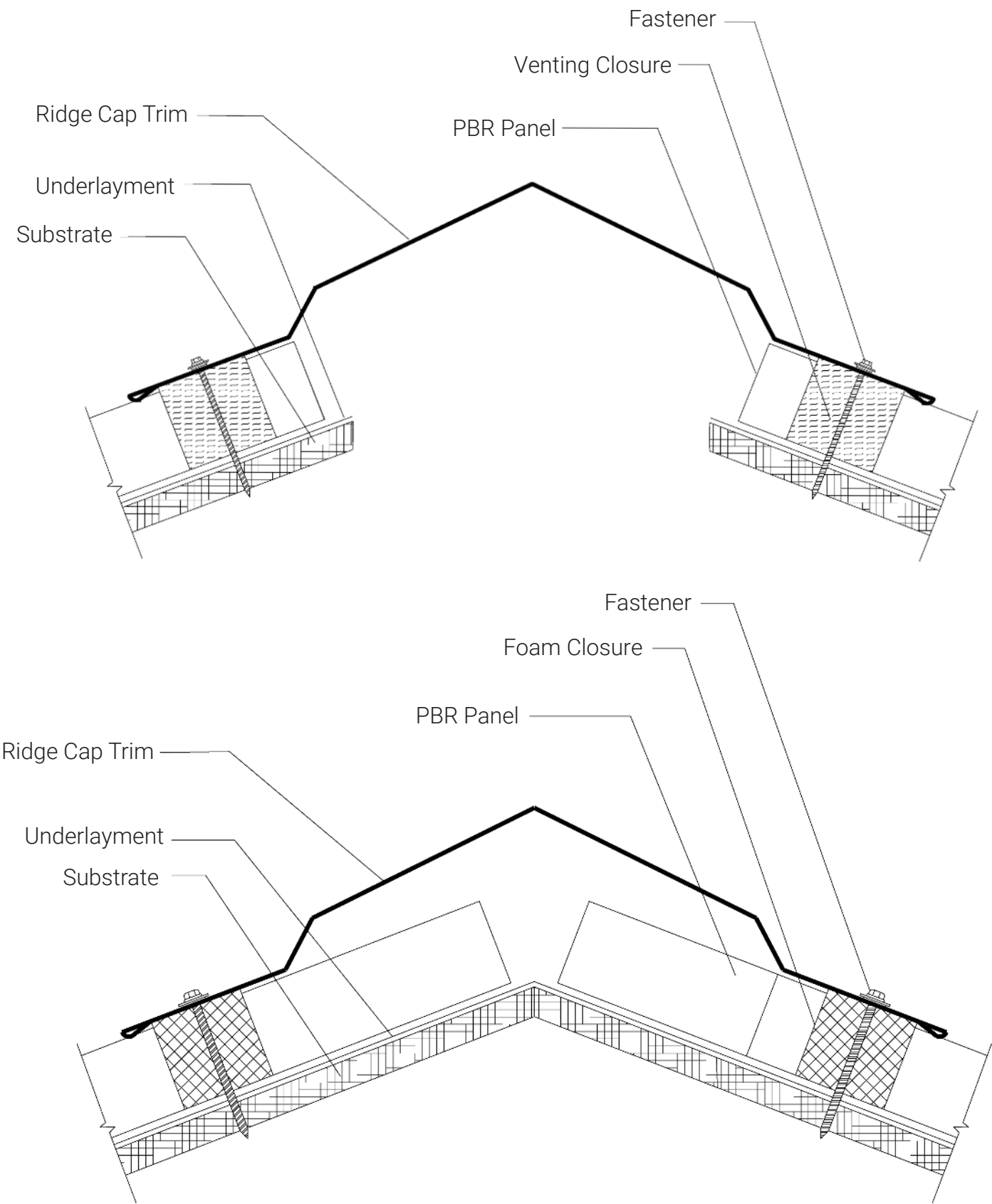
Gable Trim Detail



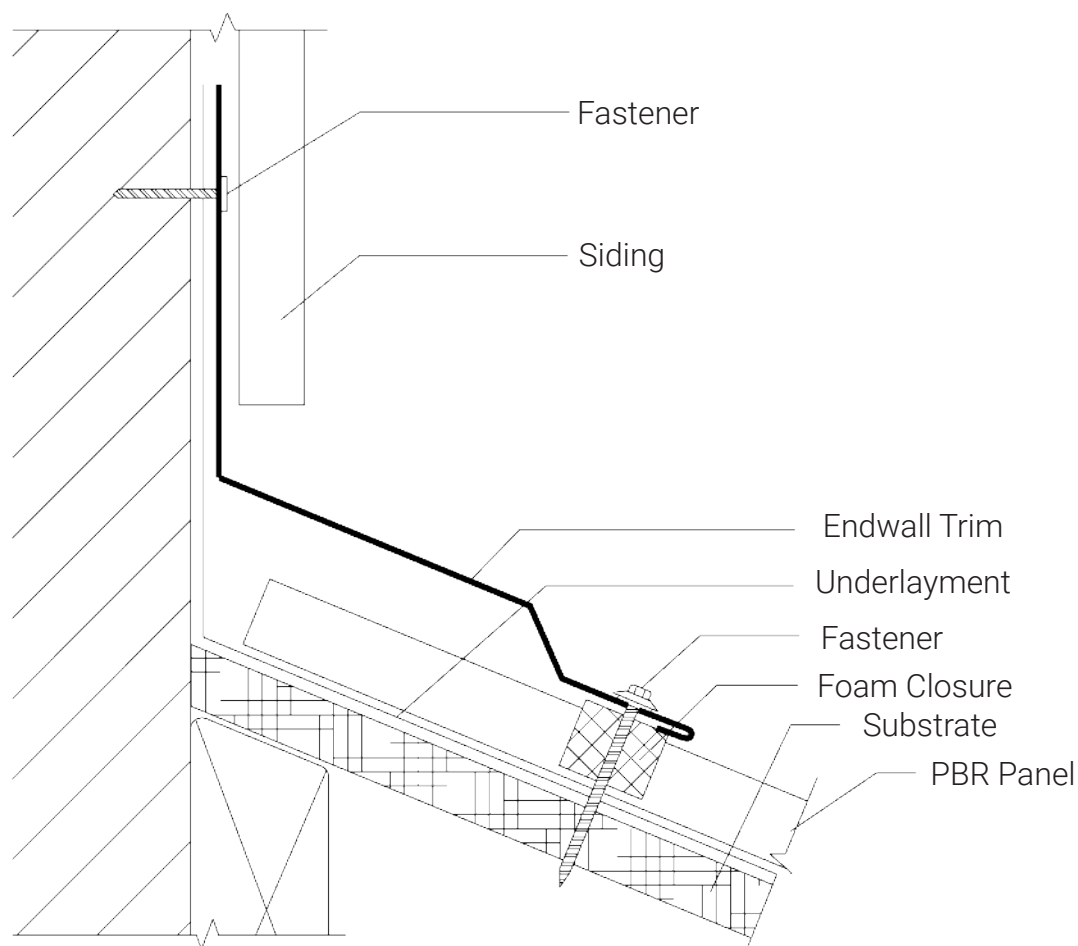
Valley Trim Detail



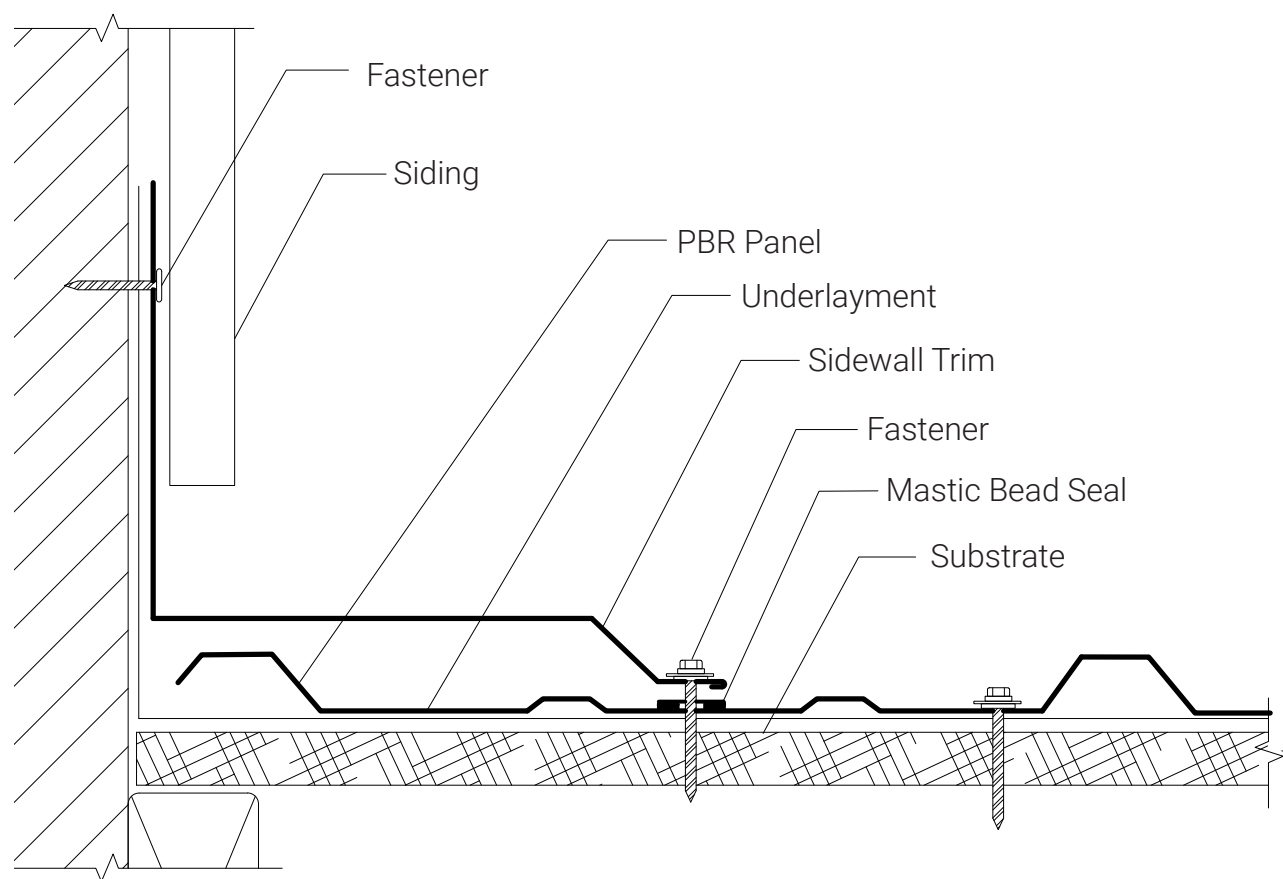
Vented | Non-Vented Ridge Cap Trim Detail



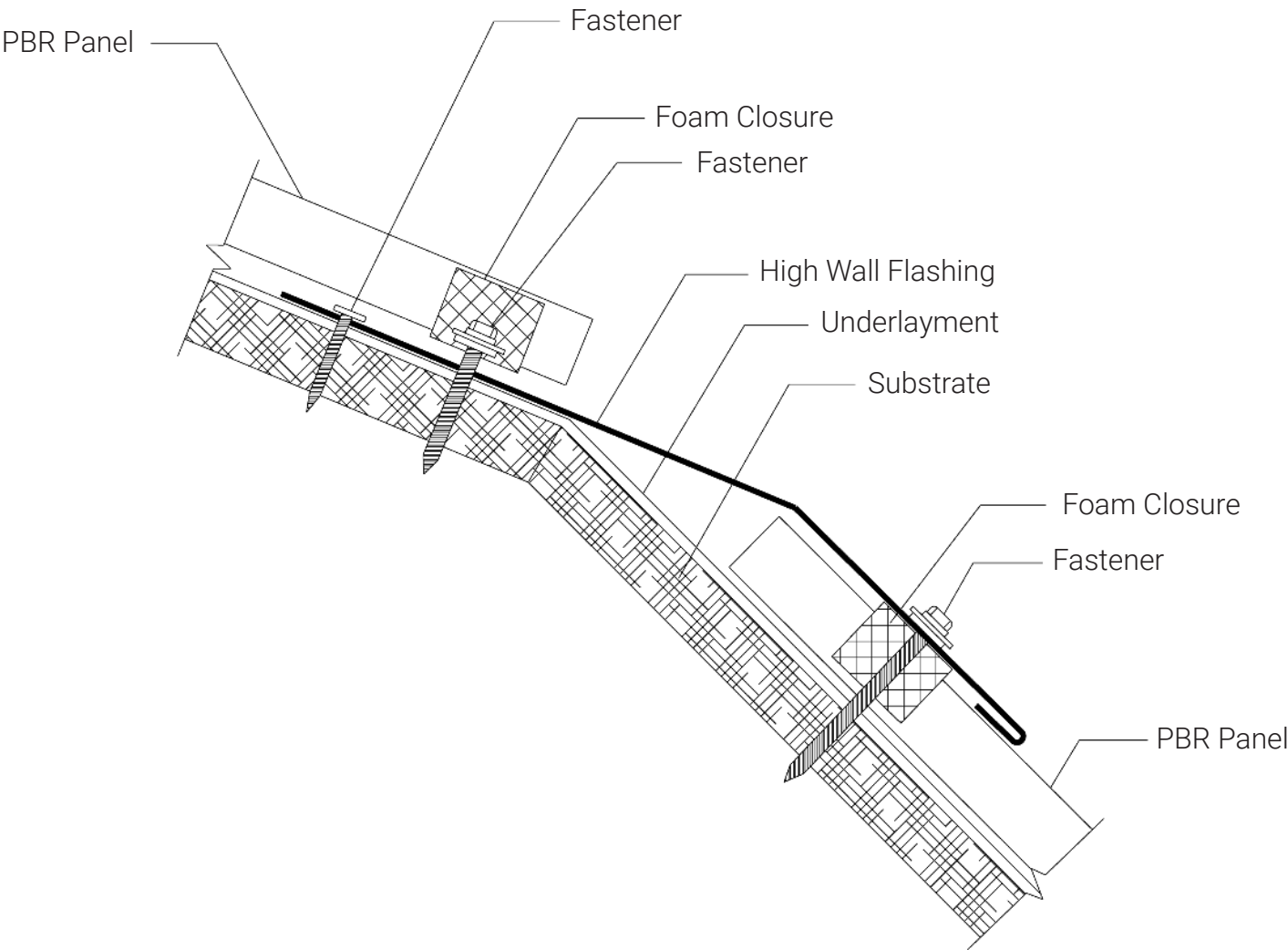
Endwall Trim Detail



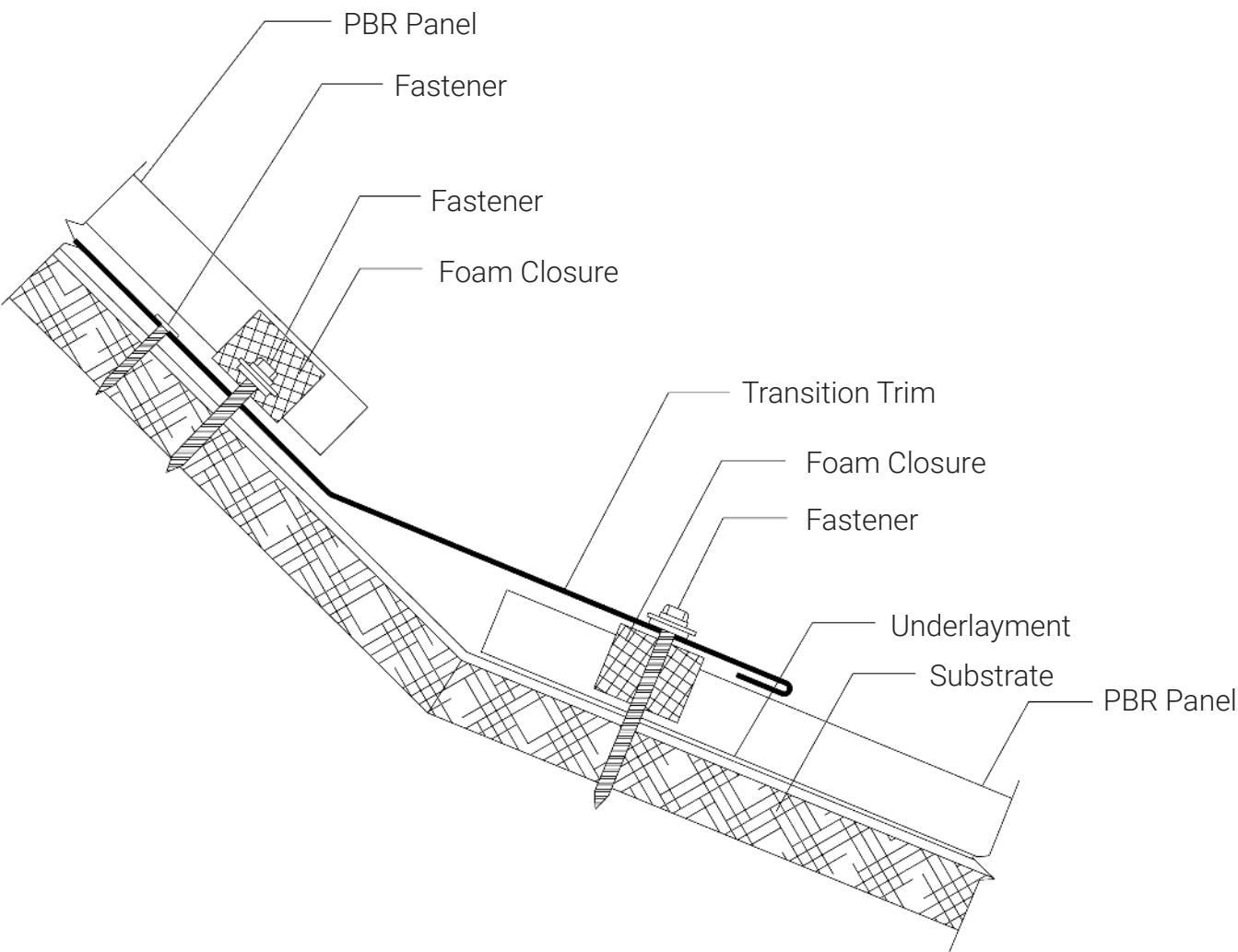
Sidewall Trim Detail



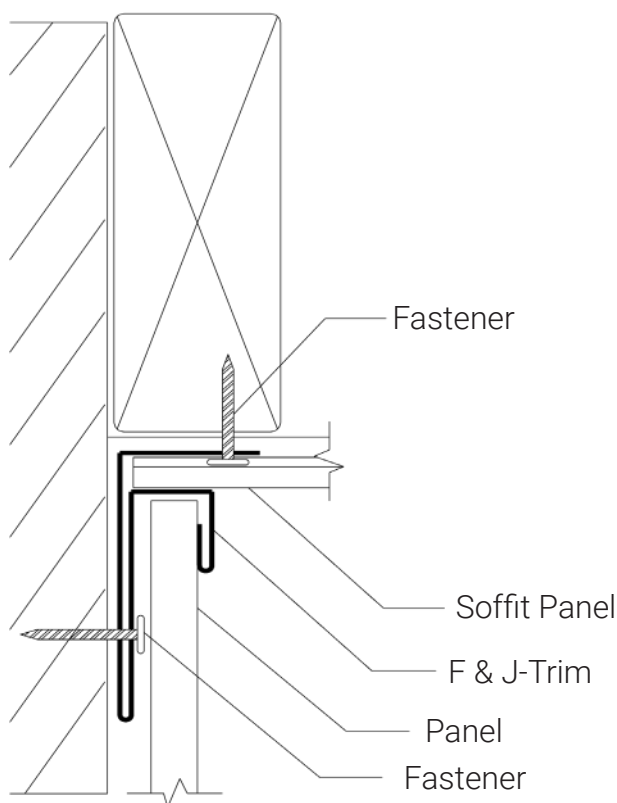
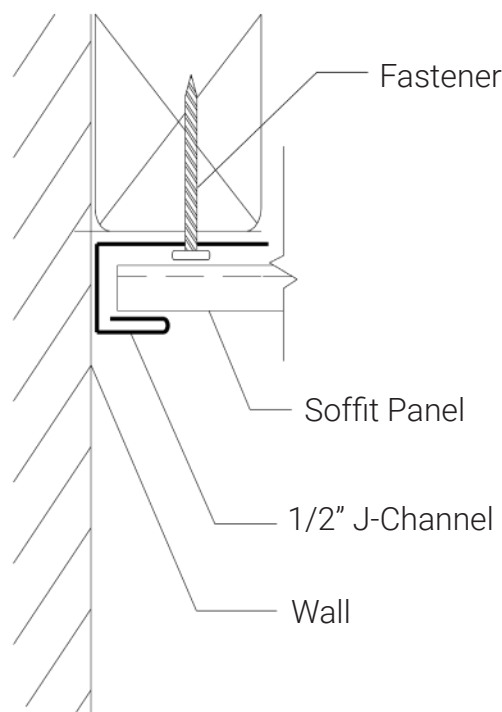
High Wall Flashing Trim Detail



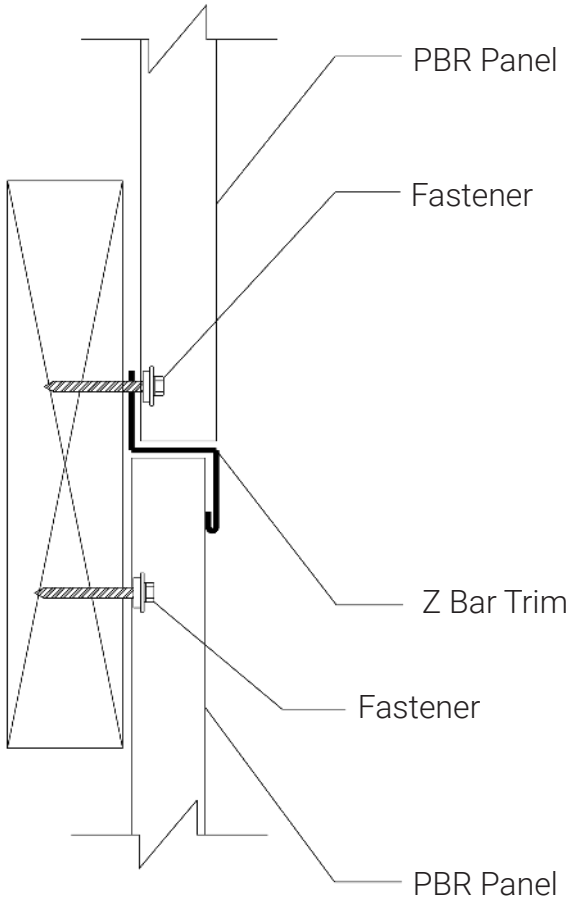
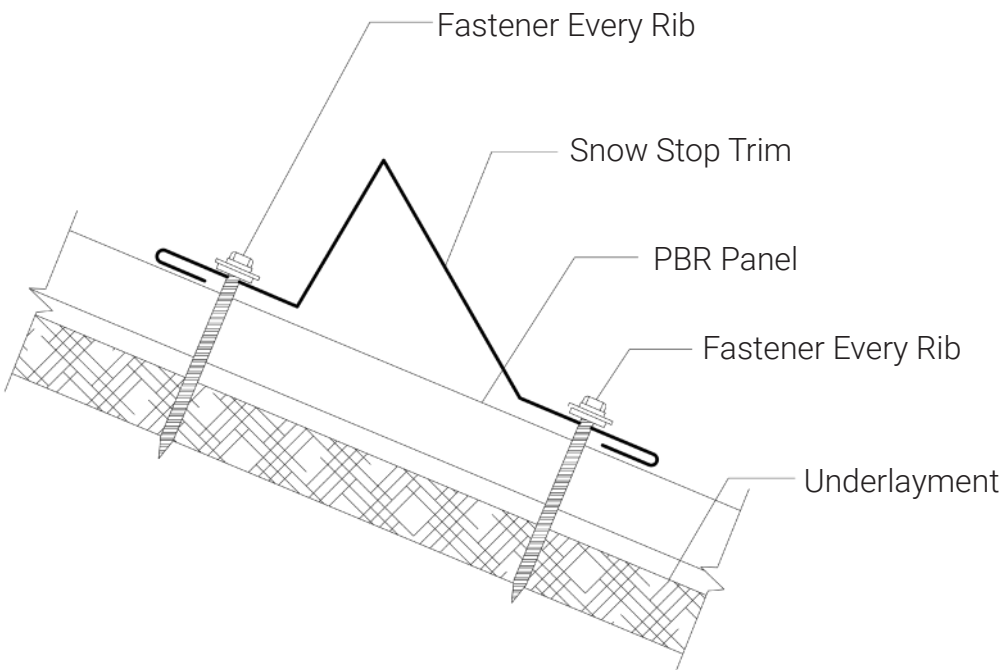
Upper | Lower Transition Trim Detail



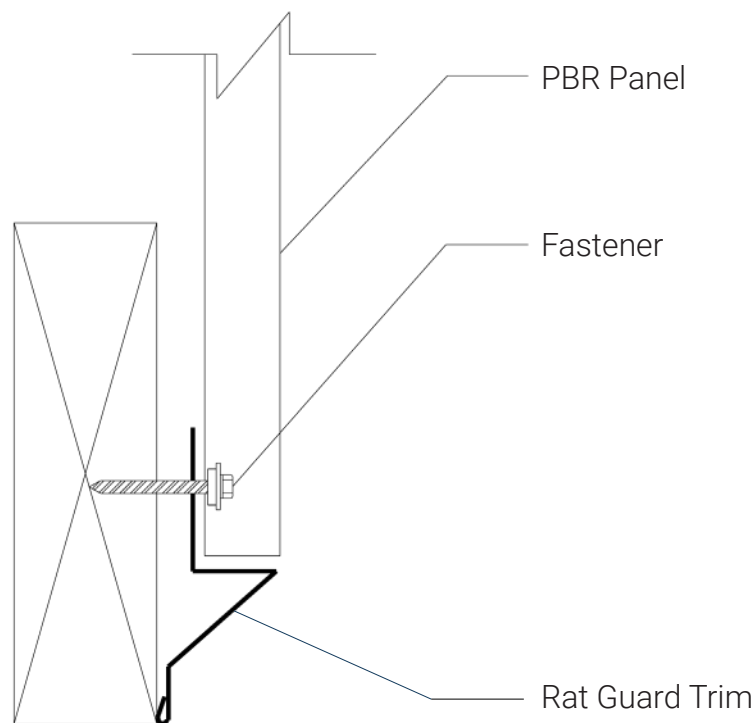
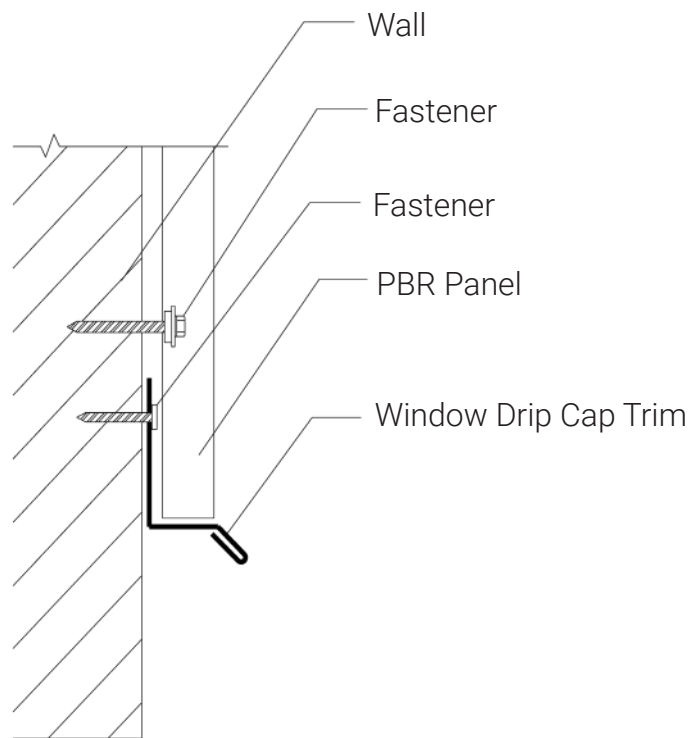
F&J Trim | 1/2" J-Channel Details



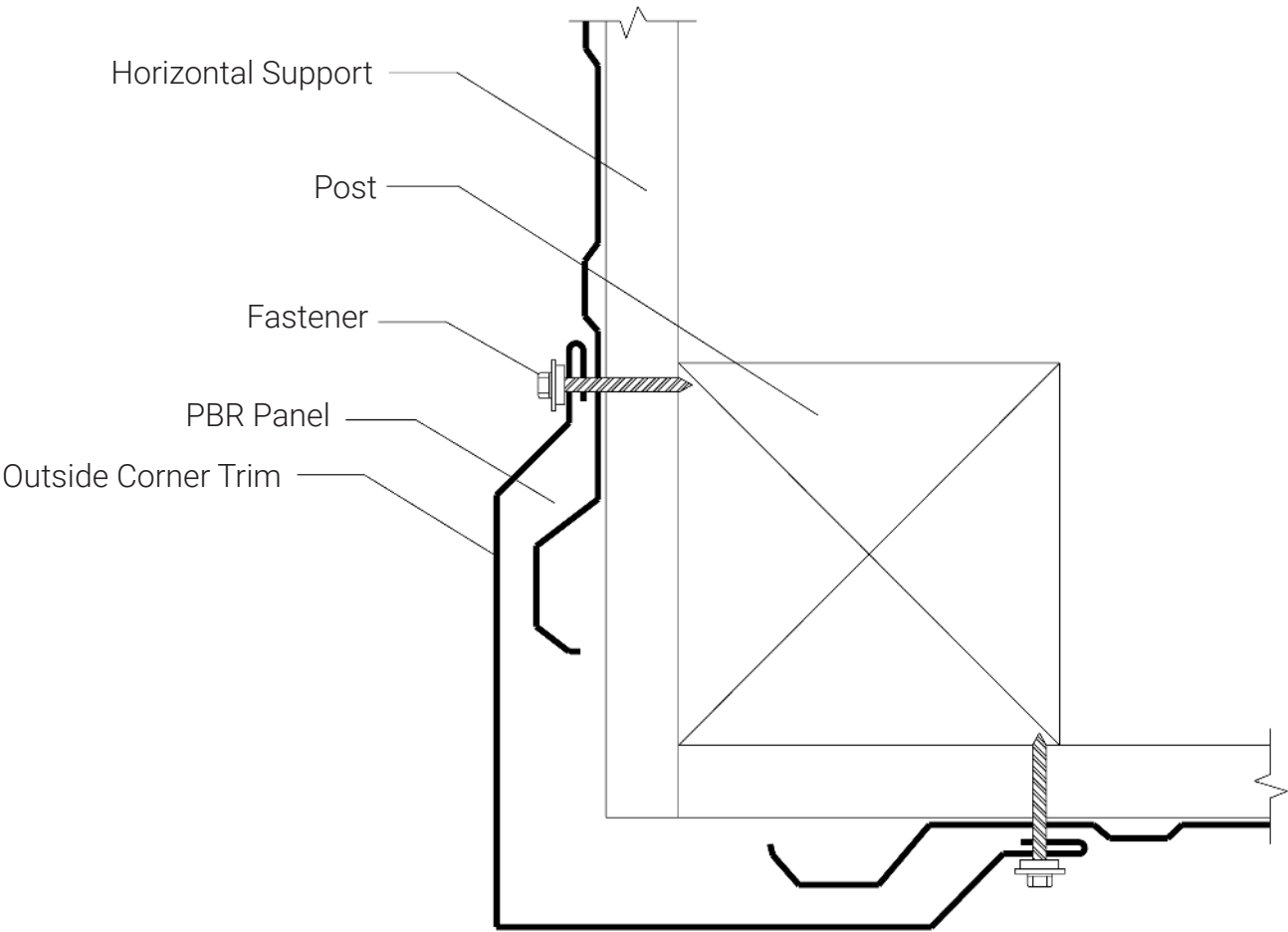
Snow Stop | Z-Bar Trim Detail



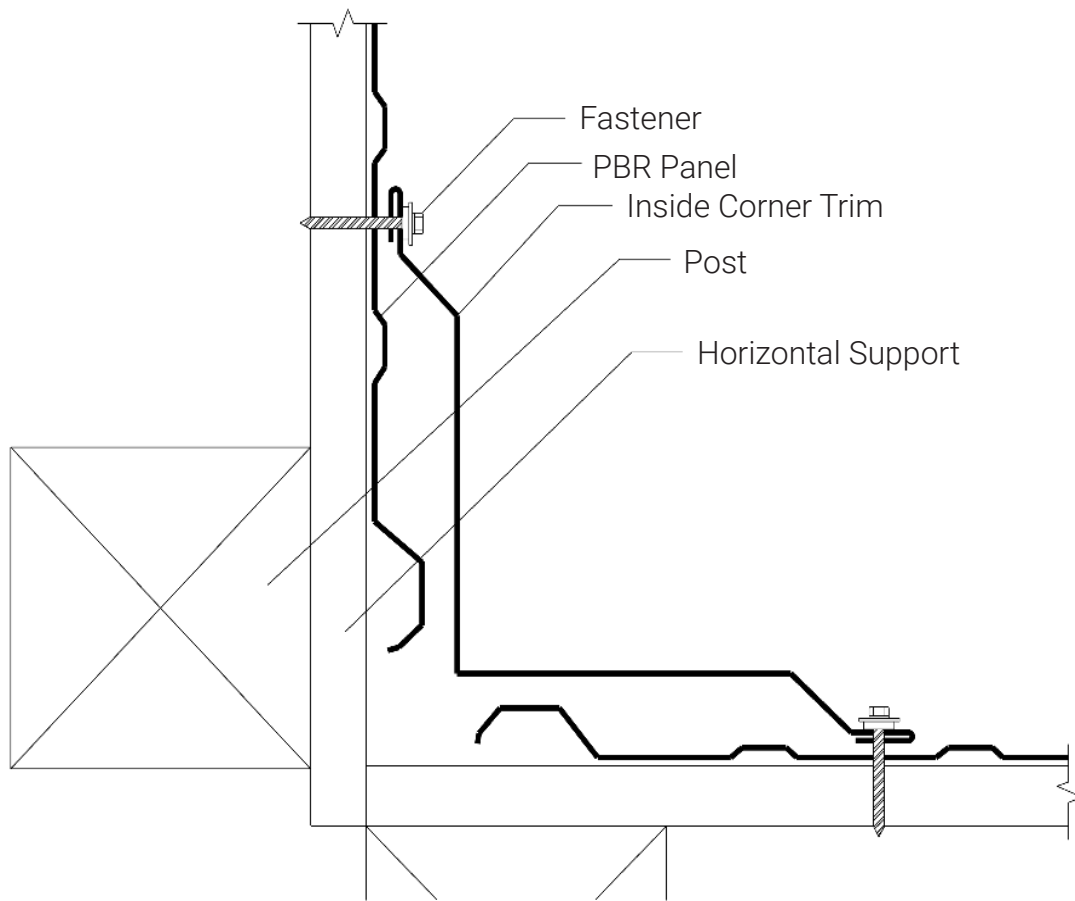
Window Drip | Rat Guard Trim Detail



Outside Corner Trim Detail



Inside Corner Trim Detail





Let's
PARTNER TOGETHER
to build something beautiful!



Quality Without Compromise

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