

Corrugated Mounting Bridges Installation Guidelines

Installing Corrugated Mounting Bridges on a corrugated roof

Because there are many corrugated roof manufacturers, there is a wide range of corrugated profiles to fit our Corrugated Mounting Bridges. In order to ensure the best possible fit, we manufacture Corrugated Mounting Bridges on a case-by-case basis. We provide a simple form to capture the specific measurements and style of corrugated profile. These specifications are then used to manufacture a custom bridge to match the profile.

Corrugated Mounting Bridges are mounted on the crowns of the corrugated roof and secured using an appropriate metal fastener driven thru the corrugated roof and into the purlins underneath. Purlins typically run perpendicular to the corrugated roof and can be located by finding the fasteners securing the corrugated roof to the purlins. Additionally, each Mounting Bridge includes a pre-applied butyl mastic (peel and stick) sealant to seal the penetration point. It is typical to use a 2-1/2" "L" Foot in conjunction with the Corrugated Mounting Bridge.

These guidelines begin after the purlins have been located and marked for each of the Corrugated Mounting Bridges to be installed. For questions about quantities and spanning between Mounting Bridges refer to our publication, "*Power Rail™ Design Guidelines*". If you have additional questions, call us toll free at 800-260-3792

Step 1: Installing the Corrugated Mounting Bridge

- A. At each pre-marked Mounting Bridge location, drill a pilot hole thru the crown of the corrugated roof and into the purlins. Additionally, it may be helpful to re-drill the hole in the corrugated roof 1/16 inch larger than the purlin pilot hole for fastener clearance.
- B. Clean the area around the pilot hole removing any loose debris.
- C. Peel off the protective sheet from the bottom of the Mounting Bridge.
- D. Push fastener into Mounting Bridge and thru butyl mastic. If using an "L" Foot pass fastener thru "L" Foot and then Mounting Bridge and thru butyl mastic.
- E. Align the fastener and Mounting Bridge over the pre-drilled hole in the corrugated roof and drive the fastener thru roof and into purlin, firmly securing the Mounting Bridge and sealing the butyl mastic to the corrugated roof.

NOTE:

Be sure to follow the installation guidelines provided by the manufacturer of your specified lag hardware.

(See Figures 1 & 2 on next page)

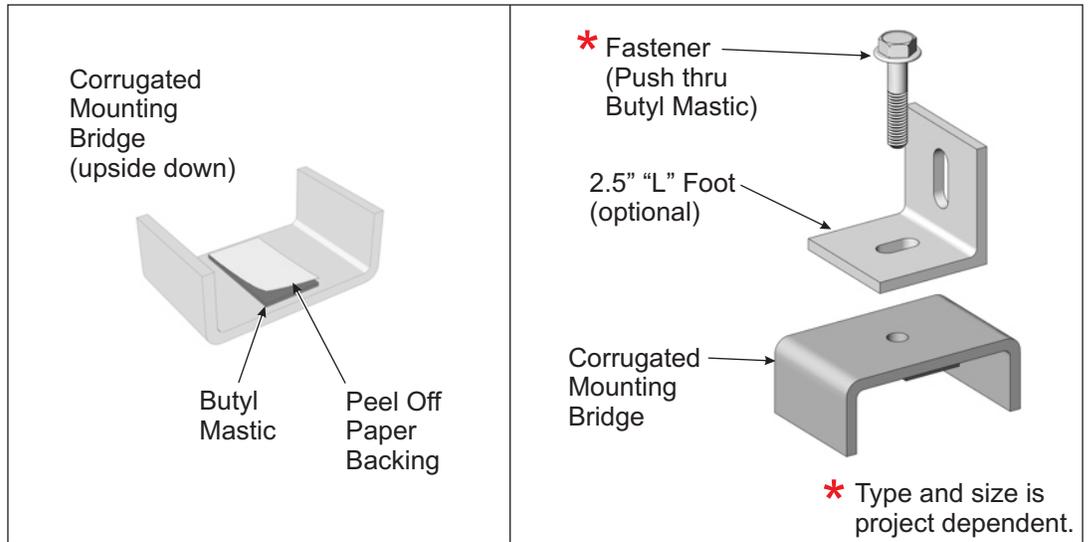


Figure 1: Preparing Mounting Bridge for Installation

NOTE:
The fastener type is selected by the installer and dependent on structural member.

NOTE:
When tightening fastener, ensure that the butyl mastic has sealed and Mounting Bridge is pressed firmly to corrugated roof.

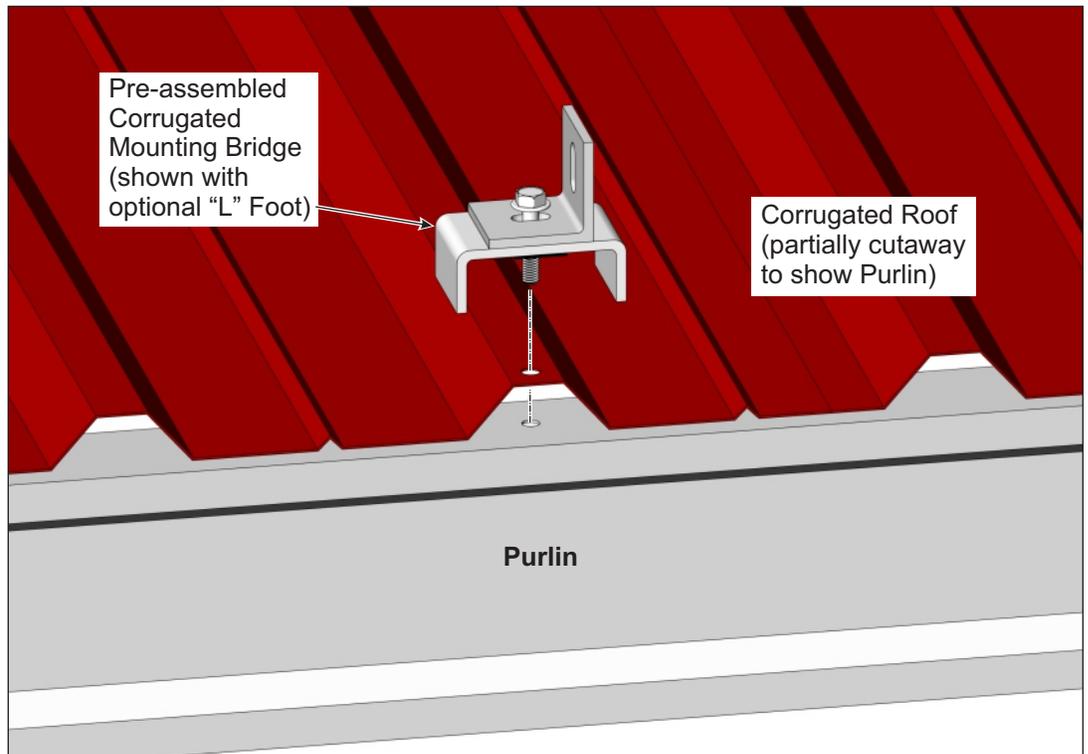


Figure 2: Installing Mounting Bridge



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