

Bonding Clip Installation Guidelines

CAUTION:

Bonding Clips are designed for one time use only. After torque pressures have been applied, they cannot be removed and re-used. If removed, it must be discarded and replaced with a new Bonding Clip.

WARNING:

Electrical hazard will exist if Bonding Clips are not installed per these instructions. Failure to do so could lead to severe personal injury or death.

All surfaces that mate to the Bonding Clip must be free of burrs or debris from drilling or other actions which could interfere with the electrical bond.

These guidelines show the proper installation of our Bonding Clip when used with either our Strongback or a Purlin installation.

When used with our Strongback, the Bonding Clip is pre-assembled at the factory along with the Rail Base and Rail Clamp. If the Bonding Clip is used with a Purlin, the Bonding Clip gets assembled in the field along with the Rail Base, Rail Clamp and hardware. These guidelines illustrate both situations.

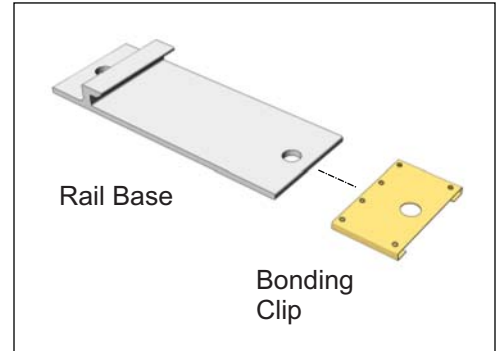


Figure 1: Bonding Clip and Rail Base

Figure 1 shows the relationship between the Rail Base and the Bonding Clip. The bonding Clip must be oriented as shown to achieve the desired electrical bond.

Using the Bonding Clip with our Strongback

Although the Bonding Clip arrives pre-assembled/installed from the factory; for clarity, Figure 2 shows how the Bonding Clip is assembled and attached to the Strongback.

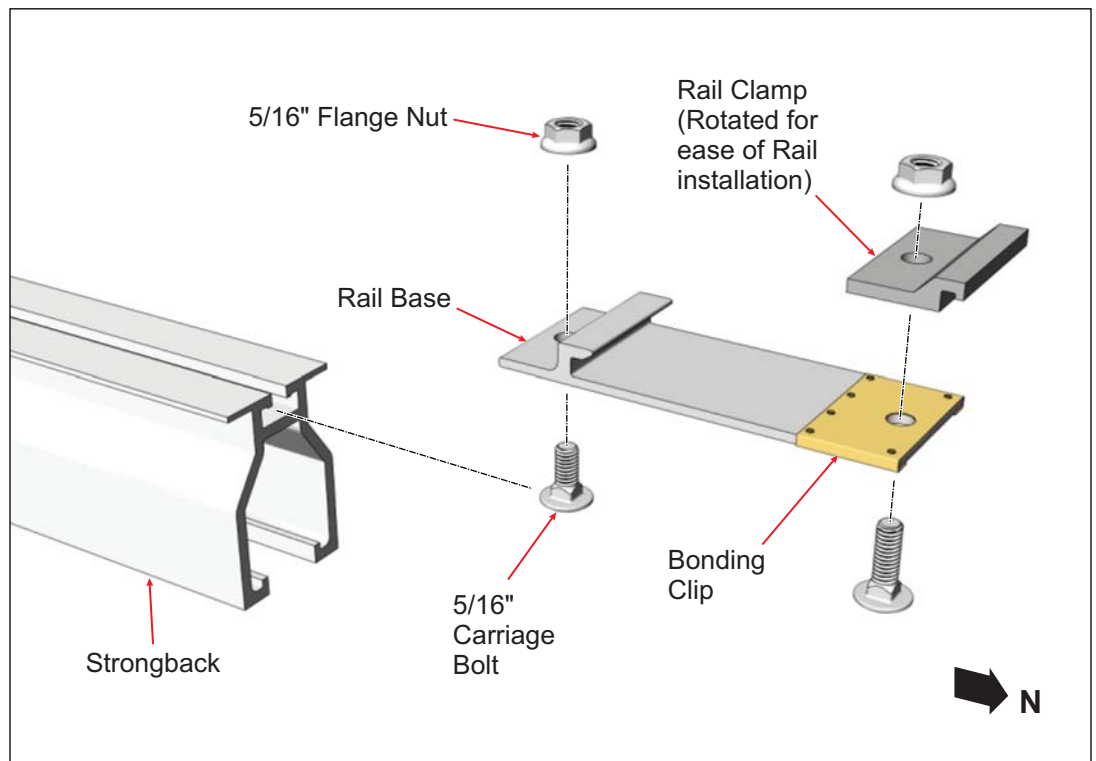


Figure 2: Attaching the Rail Base and Clamp to Strongback

Securing the Module Rail to the Rail Base and Clamp

- A. Install Module Rail ensuring that it nests into the Rail Base as shown in Figure 3.
- B. Rotate the Rail Clamp, nesting it onto the opposite side of the Module Rail substrate.
- C. Torque the two 5/16" Flange Nuts to **15 ft.-lbs.**

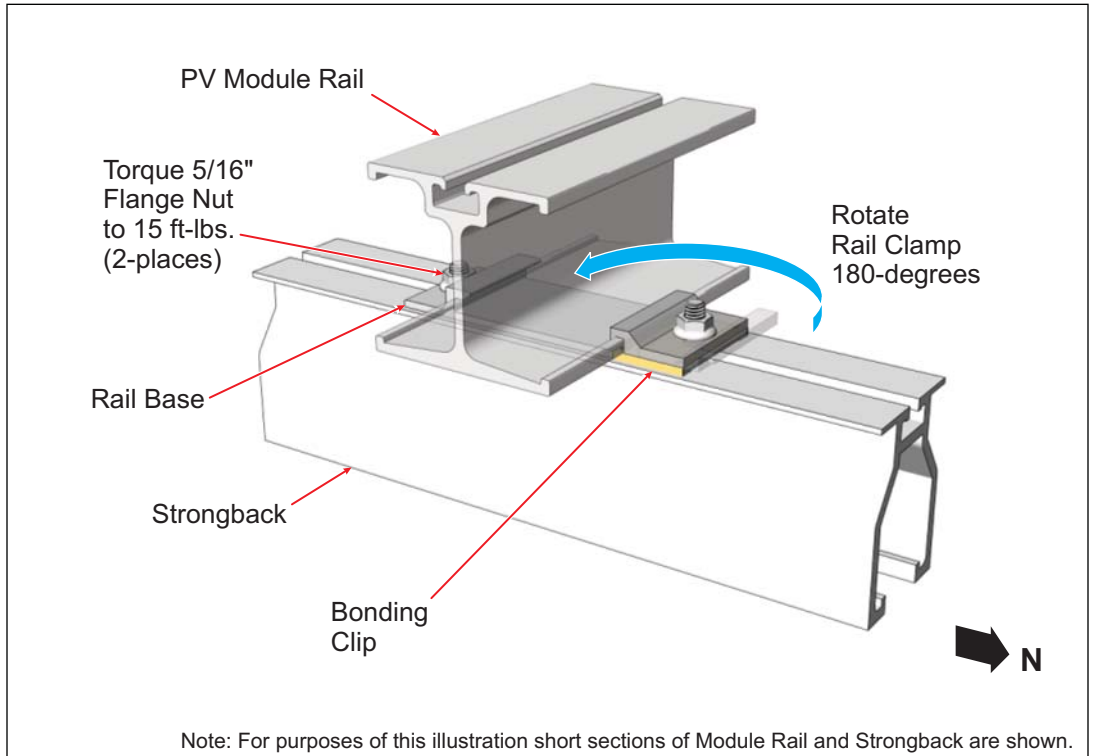


Figure 3: Installing the Rail (Strongback application)

Using the Bonding Clip on a Purlin application

The Bonding Clip is assembled as shown in Figures 4 and 5 when used with a purlin. (See Figures 4 and 5)

- A. Install Module Rail ensuring that it nests into the Rail Base as shown in Figure 4.
- B. Rotate the Rail Clamp, nesting it onto the opposite side of the Module Rail substrate. (See Figure 5)
- C. Torque the two 5/16" Flange Nuts to **15 ft.-lbs.**

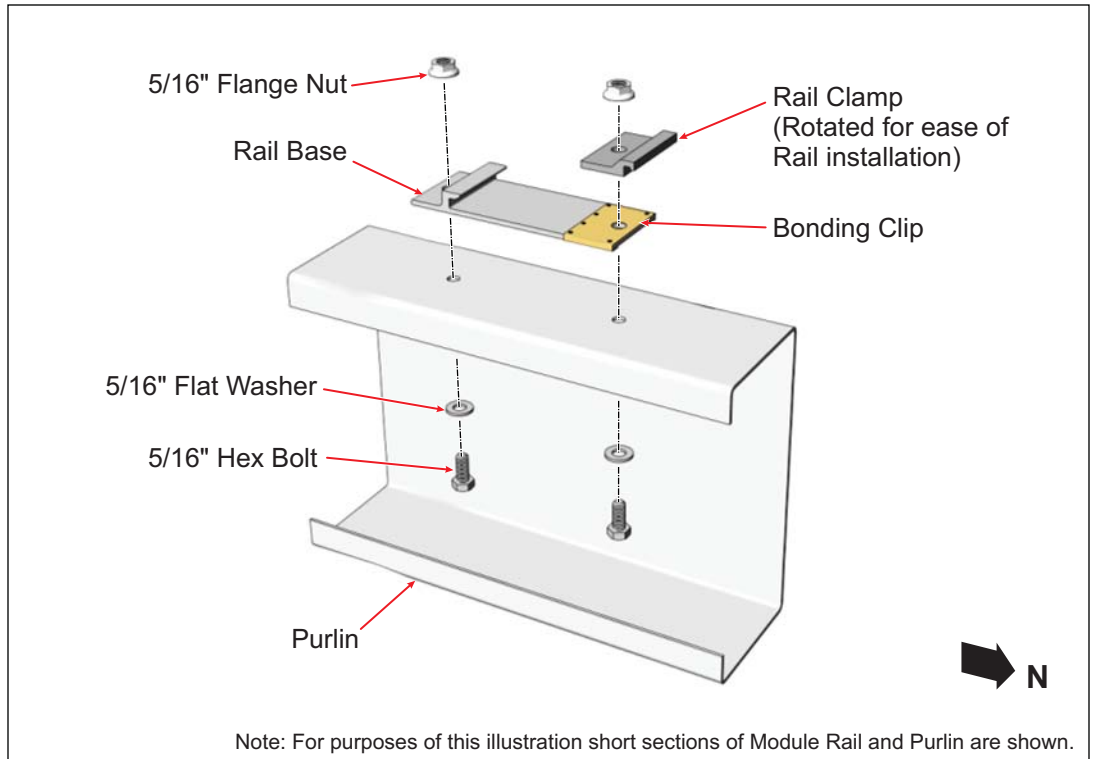


Figure 4: Attaching the Rail Base and Clamp to Purlin

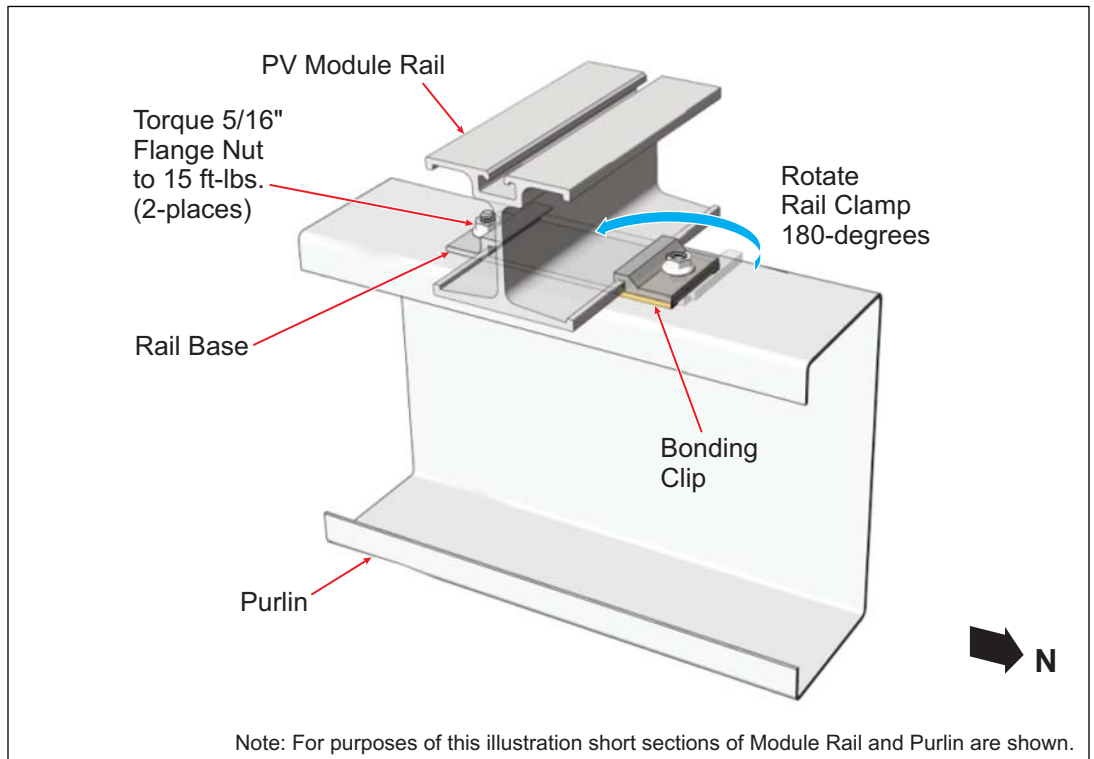


Figure 5: Installing the Rail (Purlin application)



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