

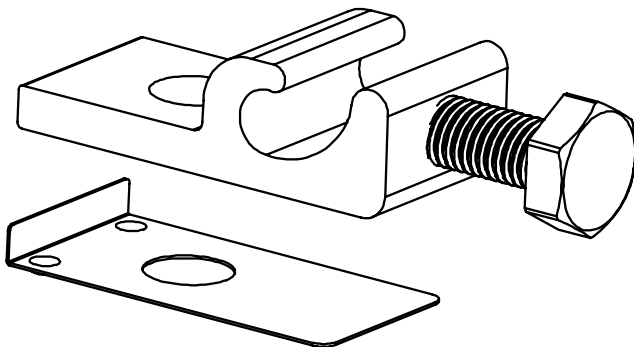


Washer, Electrical Equipment Bond WEEB

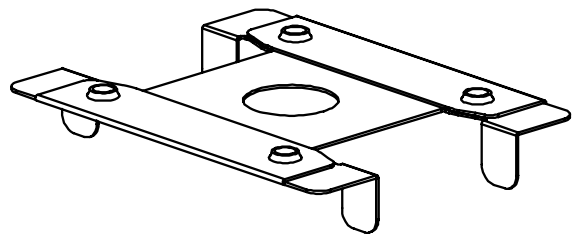
INSTALLATION INSTRUCTIONS

For CertainTeed AVANCIS PowerMax System Only
Please read carefully before installing.

Burndy recommends that the sufficient details of the installation be submitted to the AHJ for approval before any work is started.



WEEB-LUG-15.8



WEEB-CCR

Products are tested to UL 467, CAN/CSA-C22.2 No. 41
US/ Canadian standards for safety grounding and bonding equipment.



Intertek

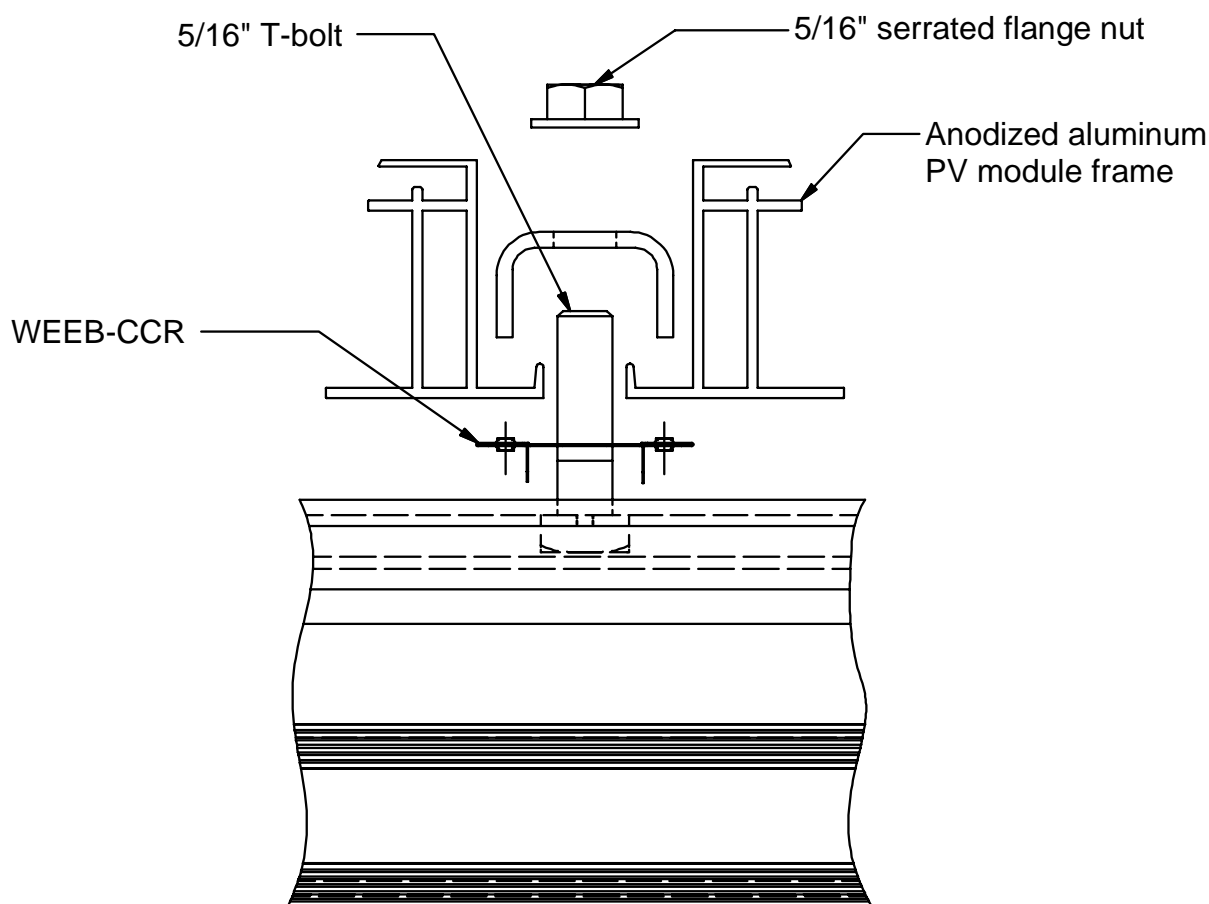
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WEEB COMPATIBILITY

The WEEB family of products can be used to bond anodized aluminum, galvanized steel, steel and other electrically conductive metal structures. All installations shall be in accordance with NEC requirements in the USA and with CSA C22.1 in Canada. The WEEBs are for use with modules that have a maximum series fuse rating of less than 25A.

Low-Lipped Clamp Installation

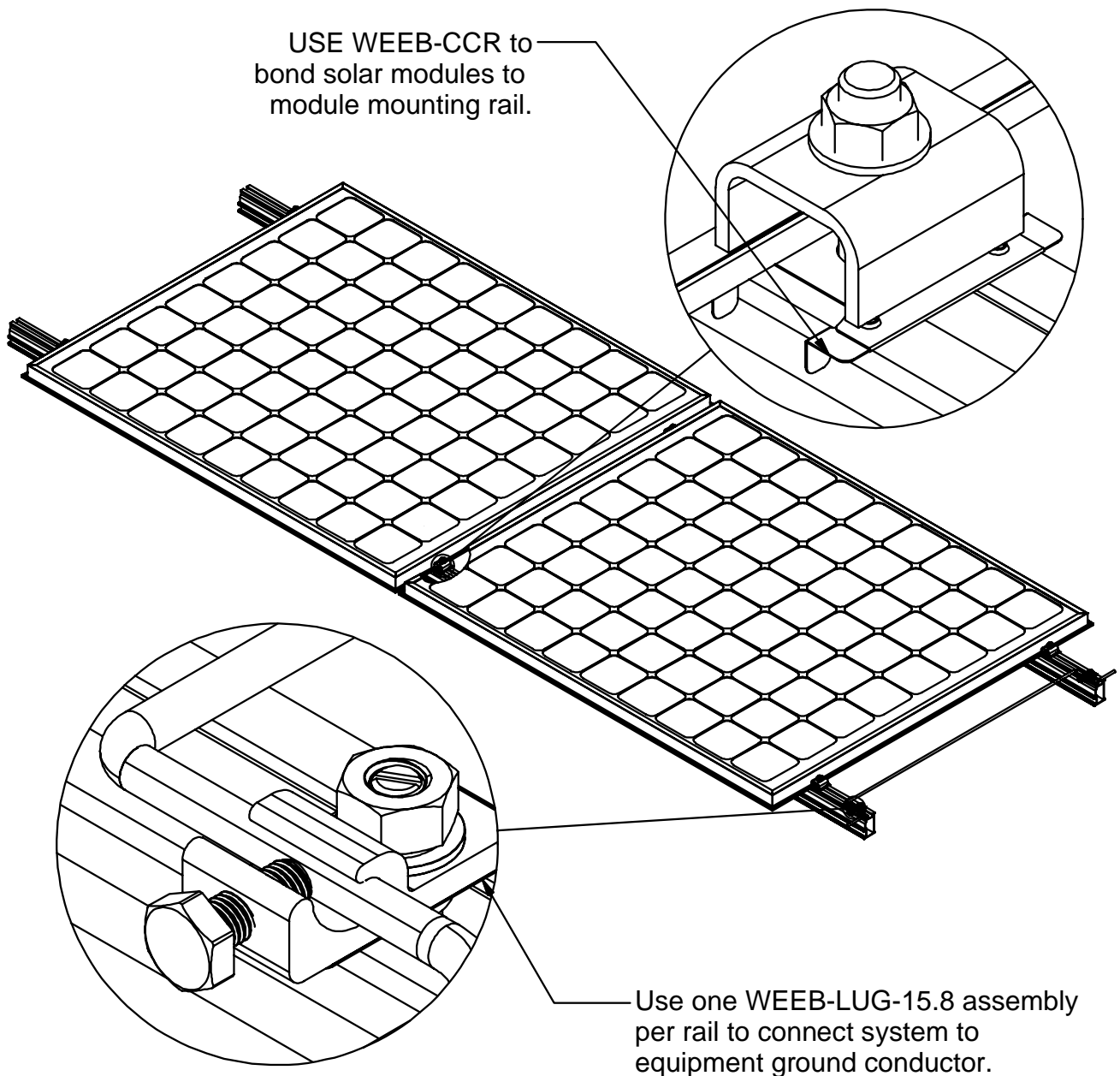
The WEEBs are used for bonding the PV modules to the mounting rails are compatible with various cross-sections of module frames. The following are examples of module frames that are compatible. Notice that the WEEB teeth are positioned completely under the edge of the module frame.



Important Note:

Inspect each module frame used with a WEEB to ensure that the bottom mounting face of the frame is flat, and that there are no hinderances to embedding WEEB teeth. Do not use a module with a frame that prevents the WEEB teeth from embedding fully.

SYSTEM OVERVIEW

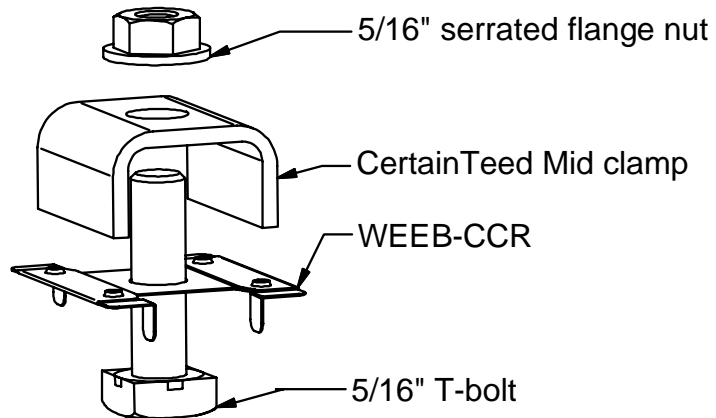


Important notes

1. Use general purpose anti-seize compound on fastener threads when installing WEEBs.
2. The NEC section 690.43 states, "Exposed non-current carrying metal parts of module frames, equipment, and conductor enclosures shall be grounded in accordance with 250.134 or 250.136(A) regardless of voltage."
3. WEEBs are intended for **SINGLE USE ONLY**.
Functionality will not be guaranteed if reused.

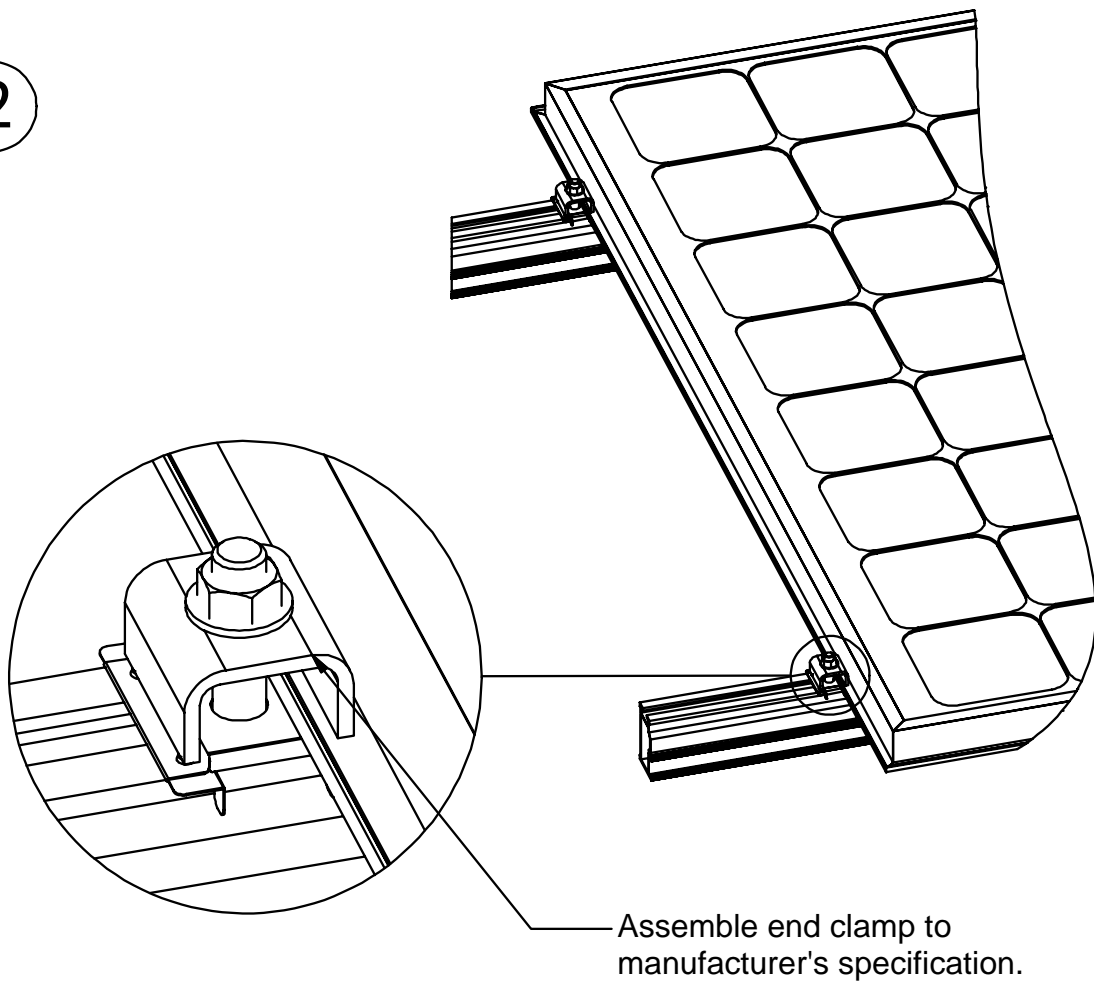
WEEB-CCR ASSEMBLY

1



Pre-assemble WEEB-CCR to mid-clamp assembly as shown.
Pre-assembling WEEB-CCR to mid-clamp assembly will contain the small individual parts, reducing the possibility of losing parts during installation.

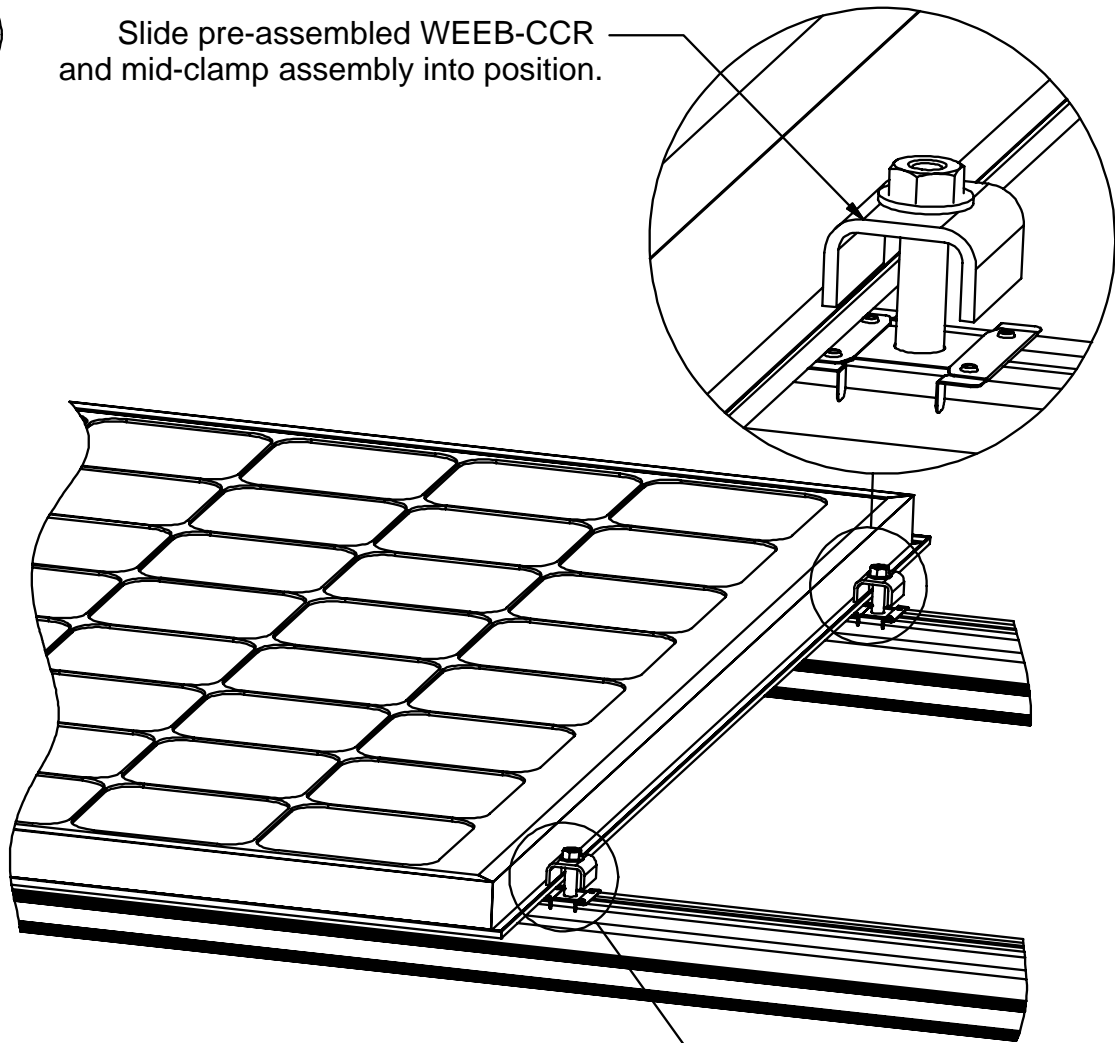
2



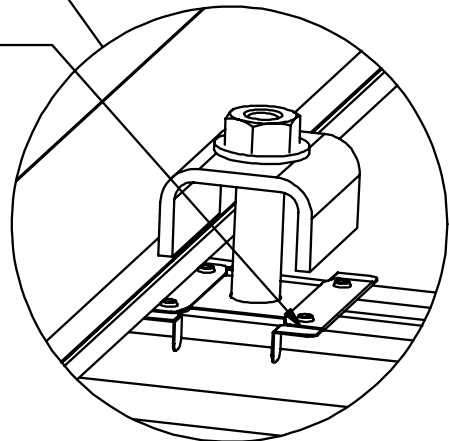
WEEB-CCR ASSEMBLY

3

Slide pre-assembled WEEB-CCR and mid-clamp assembly into position.



Slightly lift solar module and slide WEEB-CCR and mid-clamp assembly into position. WEEB teeth will automatically be aligned under the edge of the module when the mid-clamp assembly is correctly installed.



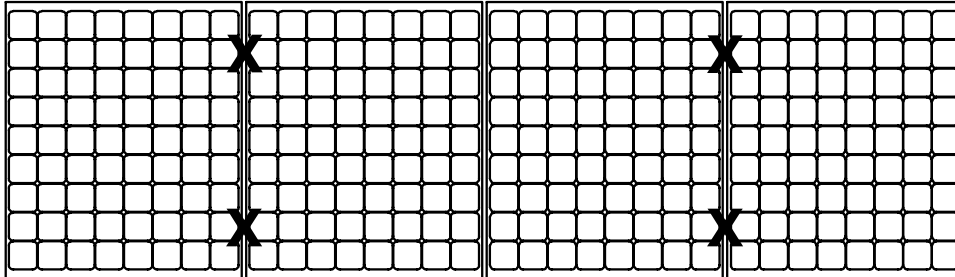
Important note:

To correctly install WEEB-CCR, ensure that both sides of the solar modules are completely positioned against the mid-clamp. Refer to WEEB compatibility page for illustrations. Visually check that WEEBs are properly positioned.

WEEB-CCR LAYOUT

4

EVEN NUMBER OF MODULES IN ROW

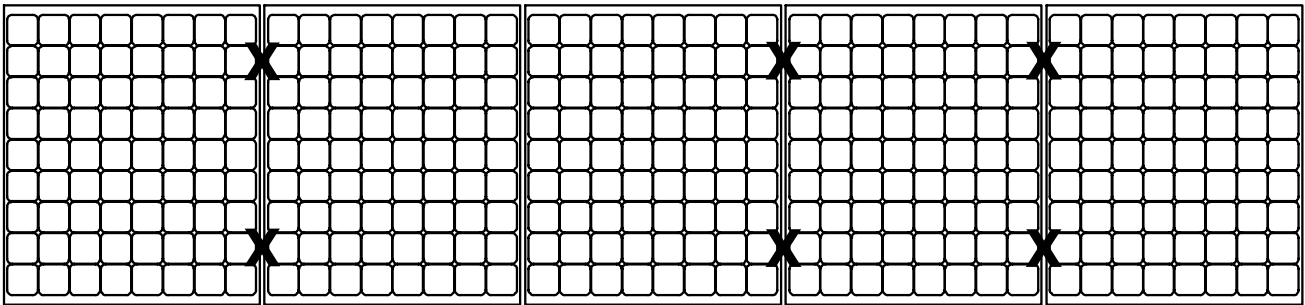


X DENOTES PLACES TO INSTALL WEEB-CCR

$$C \times R = 4 \times 1$$

$$\text{WEEB-CCR NEEDED} = C \times R = 4 \times 1$$

ODD NUMBER OF MODULES IN ROW



X DENOTES PLACES TO INSTALL WEEB-CCR

$$C \times R = 5 \times 1$$

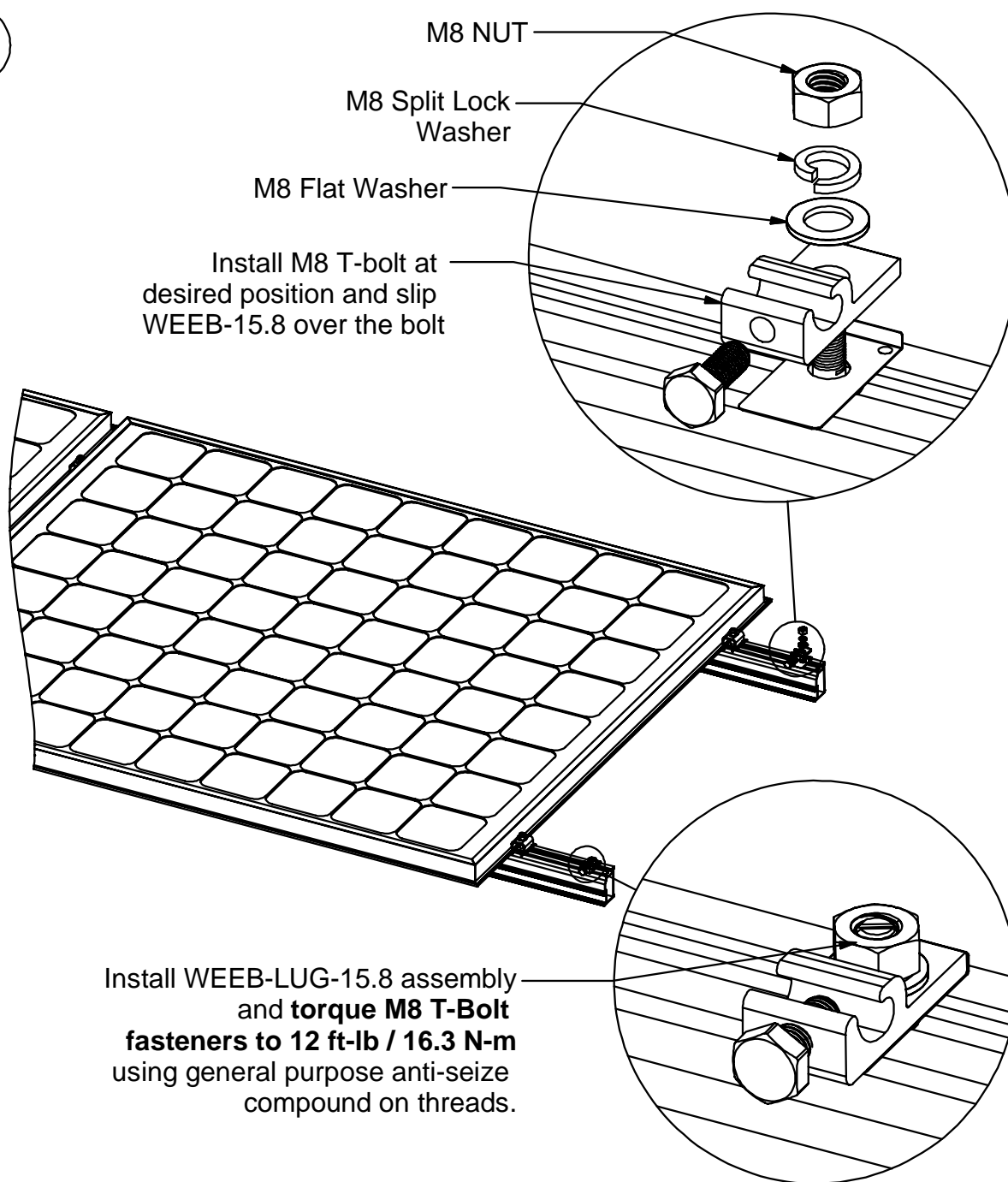
$$\text{WEEB-CCR NEEDED} = [C+1] \times R = [5+1] \times 1 = 6$$

Note:

Please follow racking and module manufacture's recommendations to maintain the ground path from rails to modules that are being removed for maintenance.

WEEB-LUG-15.8 ASSEMBLY

5

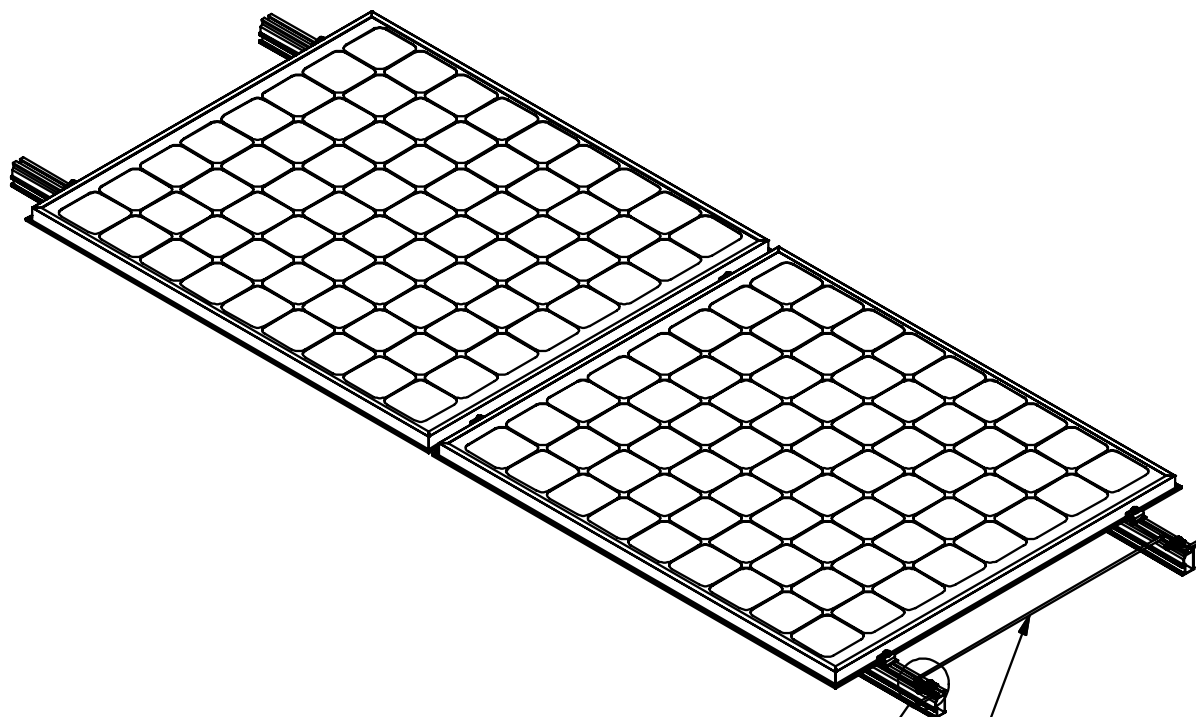


Important note:

1. WEEB-15.8 that sits under the WEEB-LUG is for **SINGLE USE ONLY**. Ensure position is correct before tightening down.
2. The WEEB-LUG-15.8 may be used with a maximum equipment ground wire of **6 AWG**.

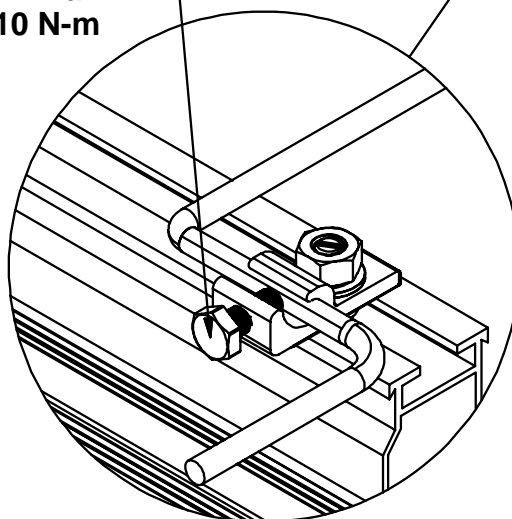
GROUND CONDUCTOR ASSEMBLY

6



Lay in equipment ground conductor and **torque terminal screw to 7 ft-lb / 10 N-m**

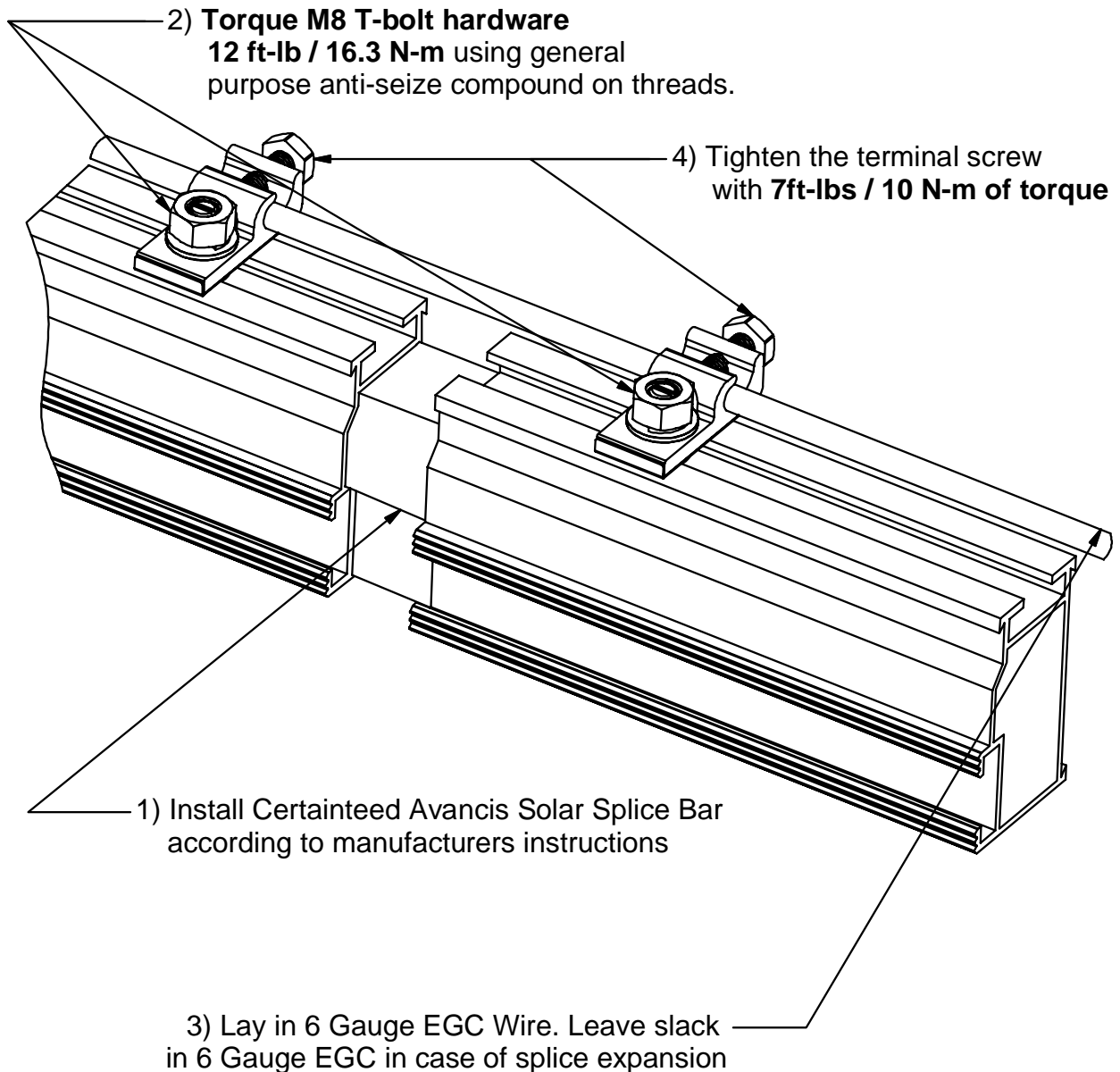
Equipment Ground Conductor



SPLICE KIT ASSEMBLY

7

Use two (2) WEEB-LUG-15.8's and a short section of 6 AWG copper wire to maintain electrical continuity across a mechanical splice.



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