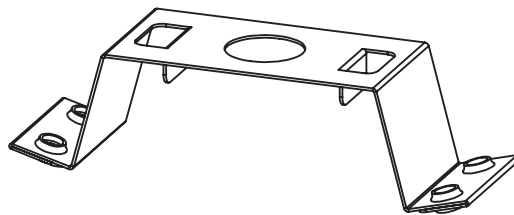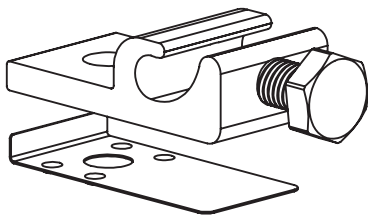# BURNDY®

WEEB

INSTALLATION INSTRUCTIONS

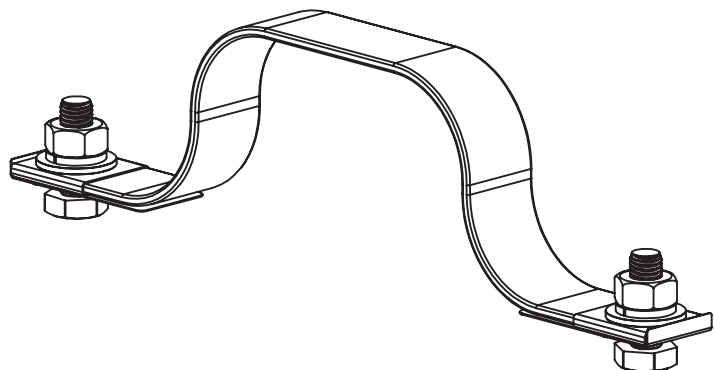# *For Unirac ClickSys Rail only*

Please read carefully before installing.

WEEB-UGC2

WEEBLug-6.7

WEEB Bonding Jumper-6.7

ETL
c us
Intertek
3098177

Products are tested to UL 467
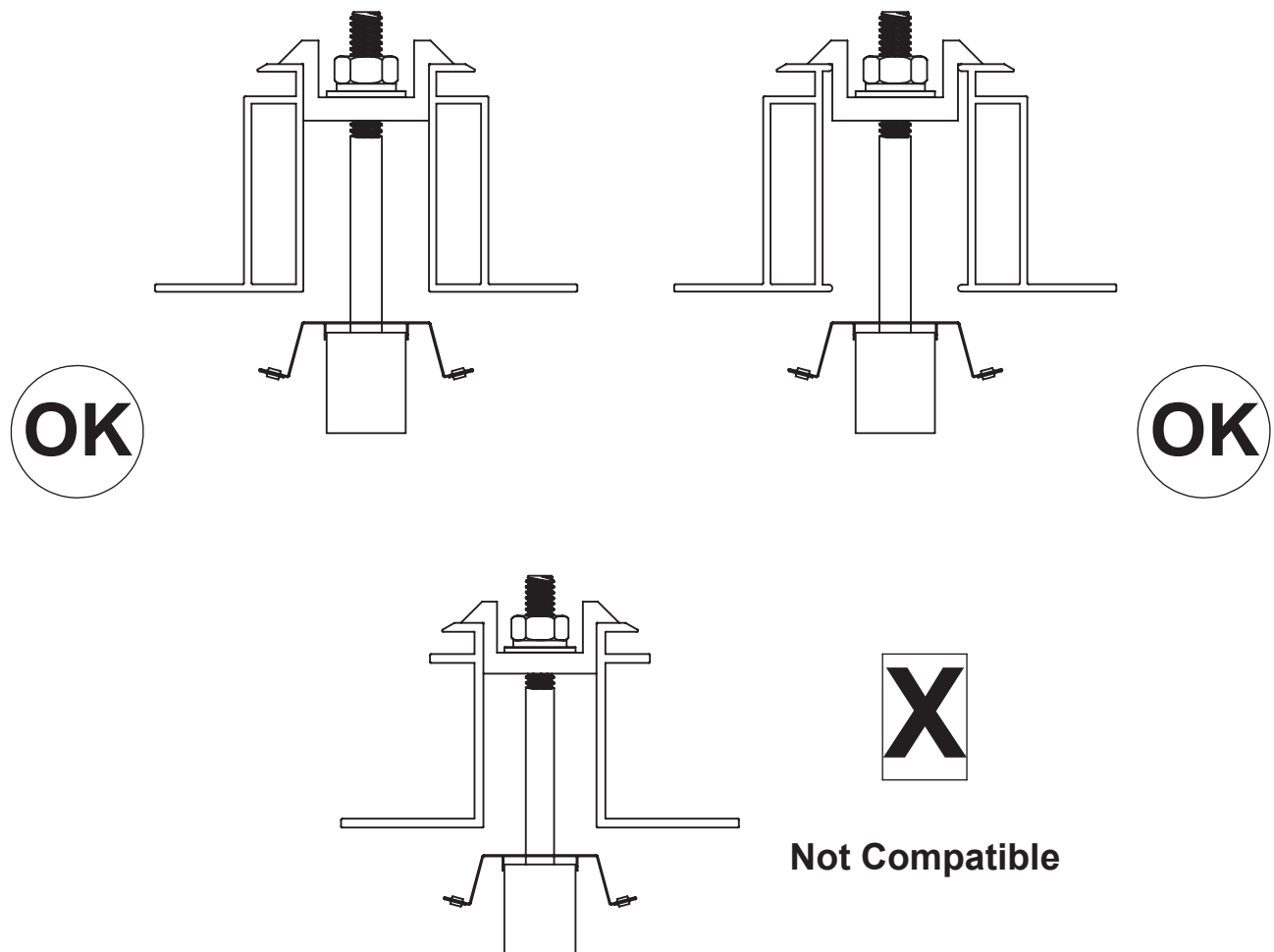UL standard for safety grounding and bonding equipment

Wiley

HUBBELL®

WEEB COMPATIBILITY

The WEEB family of products can be used to bond anodized aluminum, galvanized steel, steel and other electrically conductive metal structures.
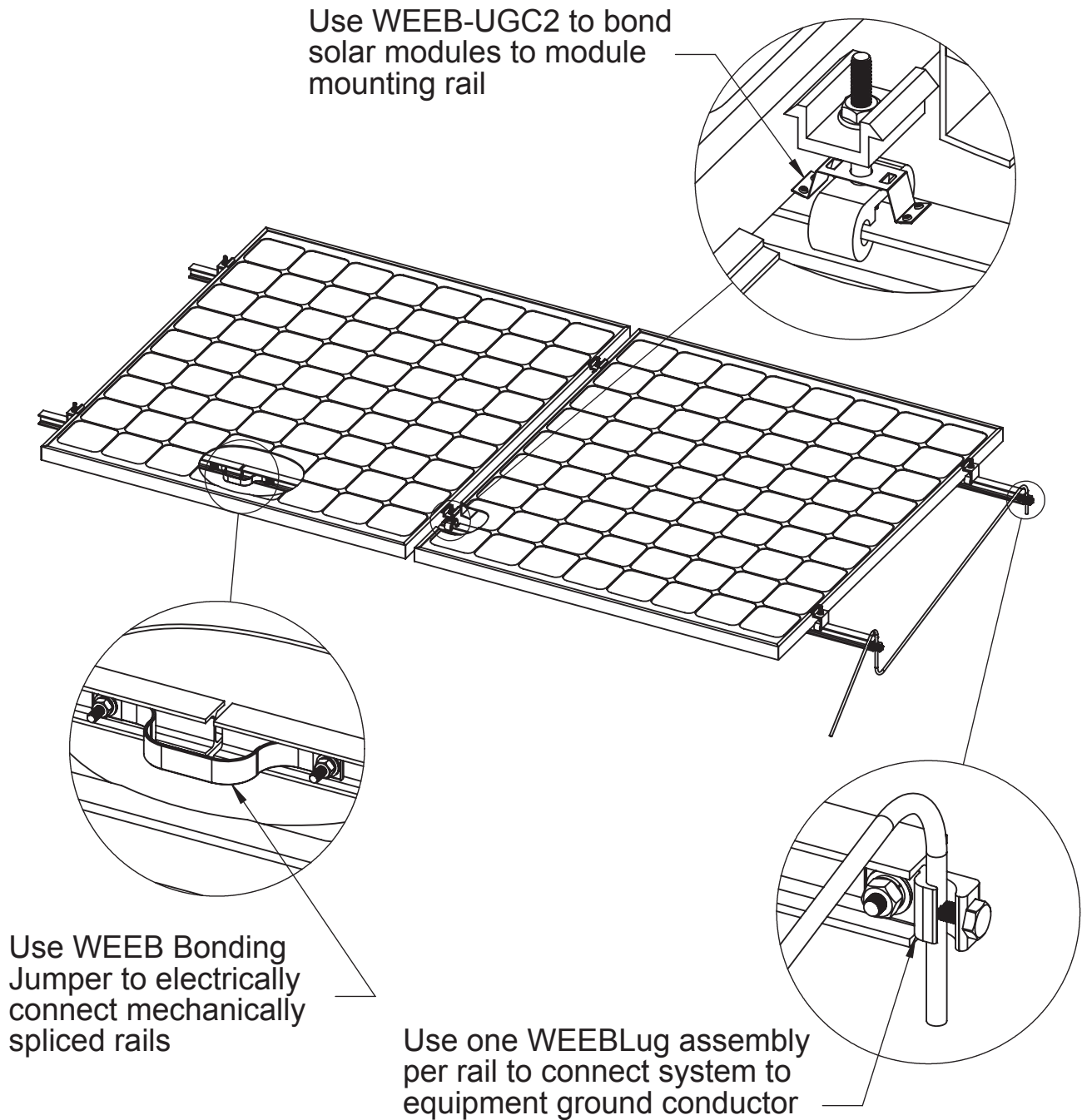
Standard Top Down Clamps

The WEEBs 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. The WEEB-UGC2 is only compatible with module frames that have a reinforcing box structure, as illustrated below.

OK

OK

X

Not Compatible

Important note:
The WEEB-UGC2 is not compatible with lipped modules and inverted U-shaped clamps. The WEEB teeth must be positioned entirely under the edge of the module.
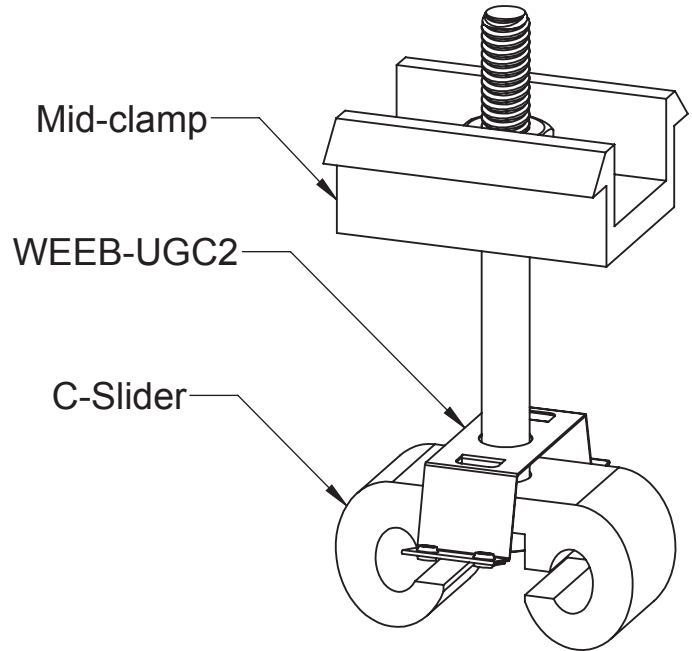
SYSTEM OVERVIEW

Use WEEB-UGC2 to bond solar modules to module mounting rail

Use WEEB Bonding Jumper to electrically connect mechanically spliced rails

Use one WEEBLug assembly per rail to connect system to equipment ground conductor

Important notes:
1. **Use general purpose anti-seize compound on fastener threads when installing WEEBs.**
2. **WEEBs are intended for SINGLE USE ONLY. Functionality will not be guaranteed if reused.**
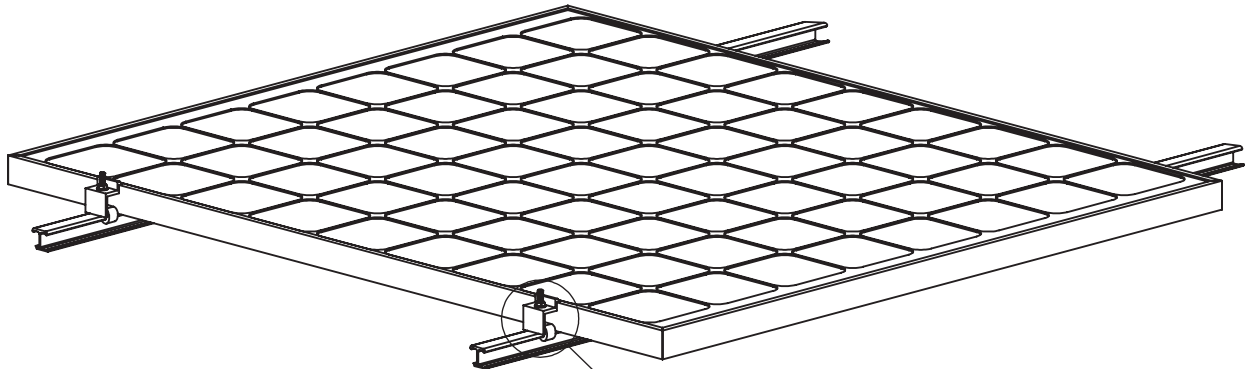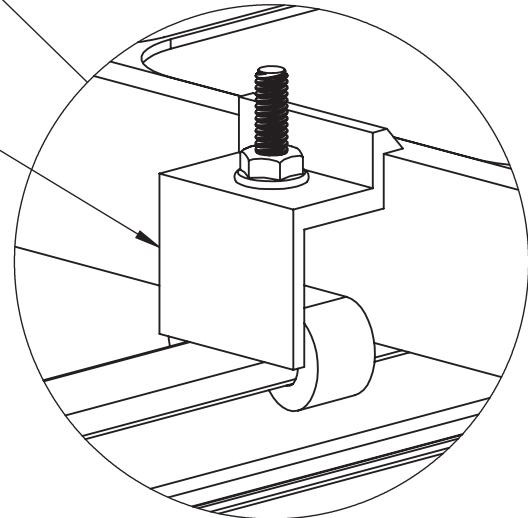
WEEB-UGC2 ASSEMBLY

1

Pre-assemble WEEB-UGC2 to mid-clamp assembly as shown. Pre-assembling WEEB-UGC2 to mid-clamp assembly will contain the small individual parts, reducing the possibility of losing parts during installation.

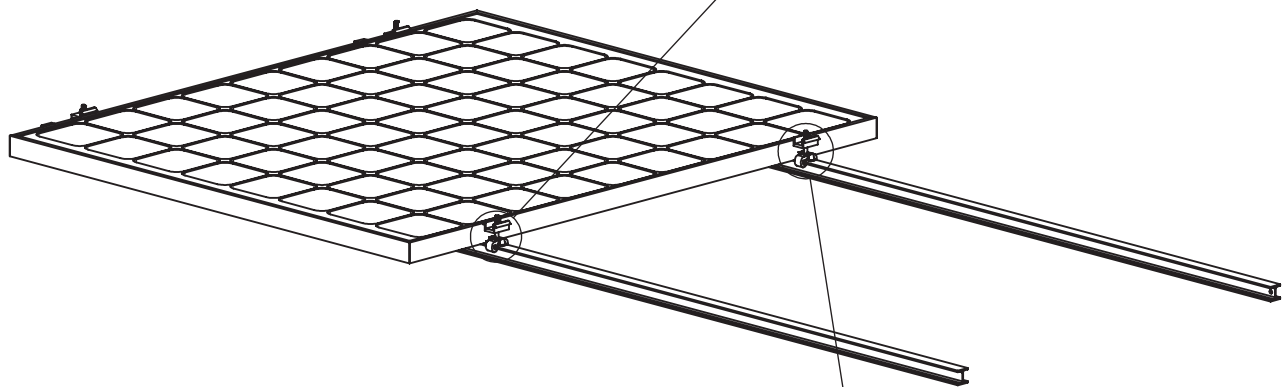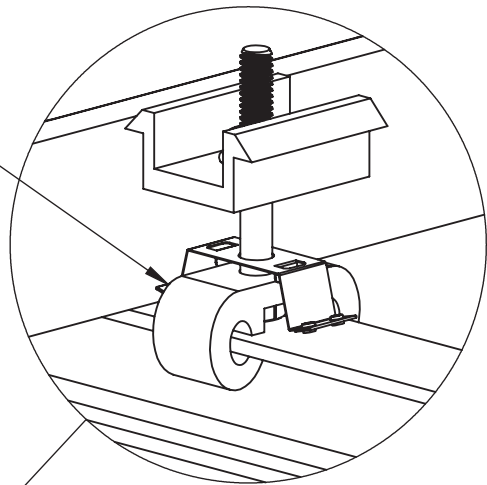Mid-clamp

WEEB-UGC2

C-Slider

2

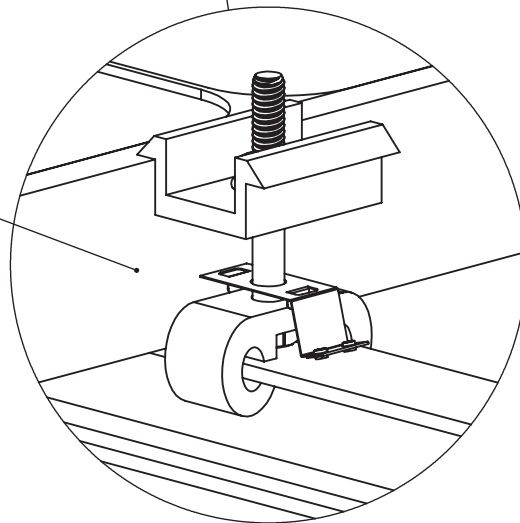Assemble end clamp to manufacturer's specification

③

Slide pre-assembled
WEEB-UGC2 and mid-clamp
assembly into position

Slightly lift solar module and
slide WEEB-UGC2 and mid-
clamp assembly into position.
WEEB-UGC2 will flex and
allow for adjustment of module.
WEEB teeth will automatically
be aligned under the edge of
the module when the mid-clamp
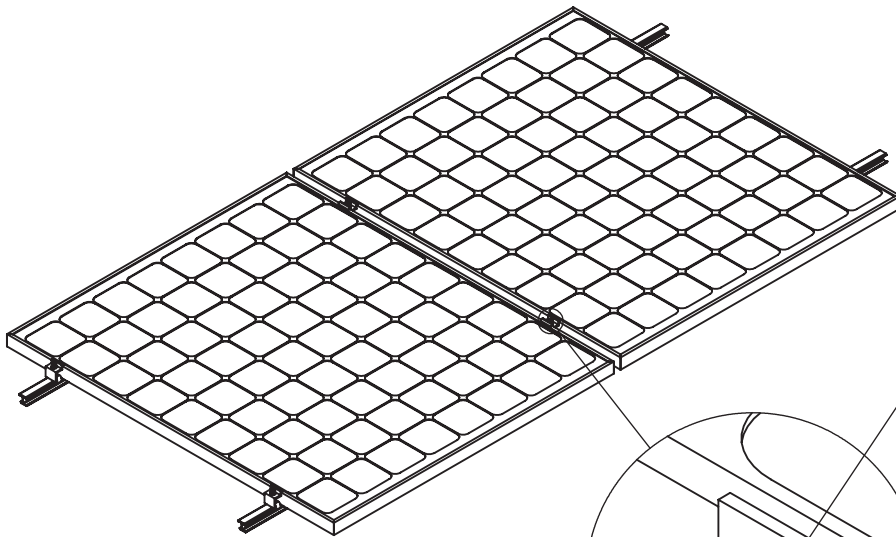assembly is correctly installed.

Important note:
**To correctly install mid-clamp assembly, ensure that both sides of
the solar modules are completely positioned against the mid clamp.
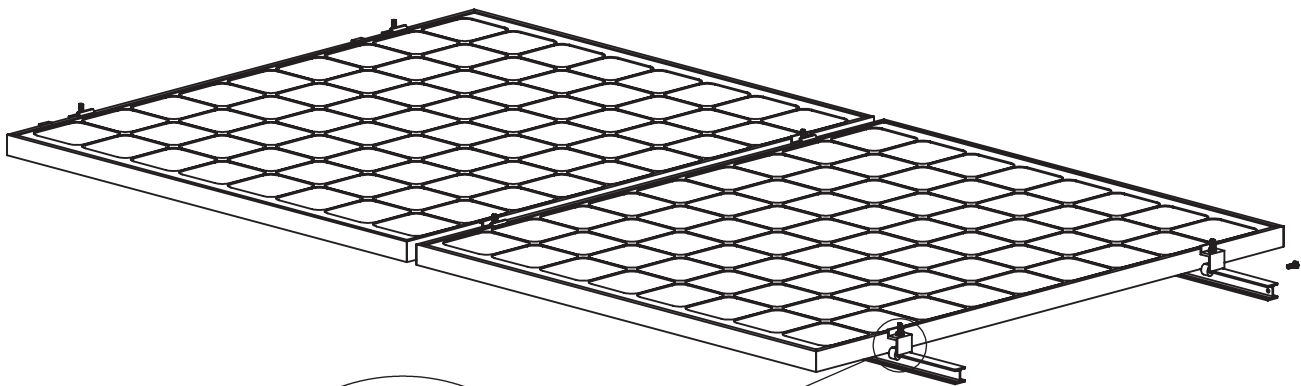Refer to WEEB compatibility page for illustrations.**

④ **Important note:**
WEEBs are for SINGLE USE ONLY! Do not torque fasteners down if position of solar modules is not finalized. Only slighty tighten fasteners to keep modules in place.

When position of solar modules are finalized, torque fasteners to 10 ft-lb / 13.5 N-m using general purpose anti-seize compound on threads
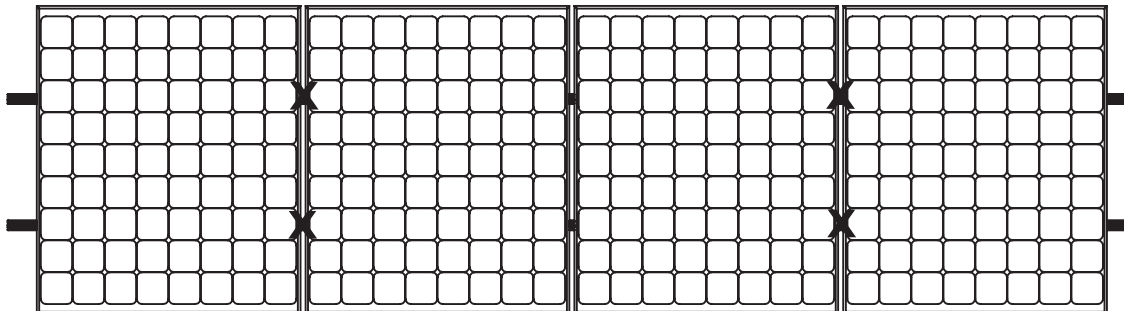
⑤

Assemble end clamp to manufacturer's specification
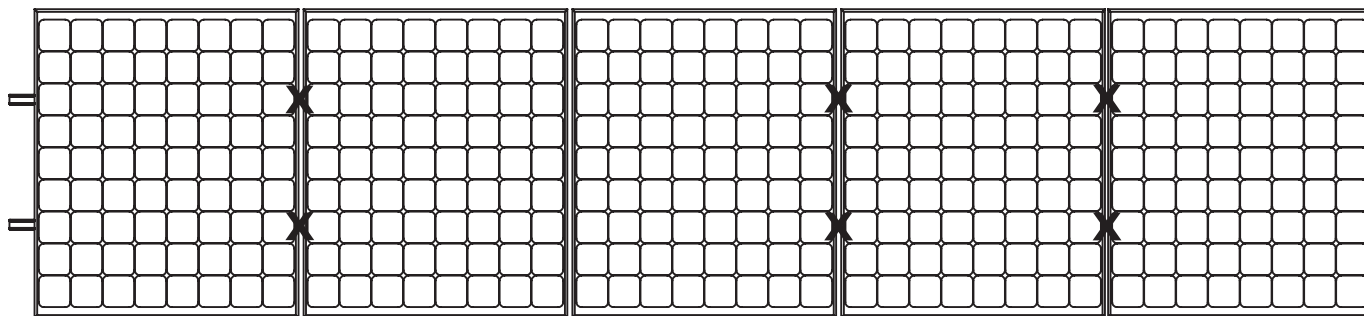
WEEB-UGC2 LAYOUT

EVEN NUMBER OF MODULES IN ROW

X DENOTES PLACES TO INSTALL WEEB-UGC2

C X R = 4 X 1
WEEB-UMC NEEDED = C X R = 4 X 1 = **4**

ODD NUMBER OF MODULES IN ROW

X DENOTES PLACES TO INSTALL WEEB-UGC2

C X R = 5 X 1
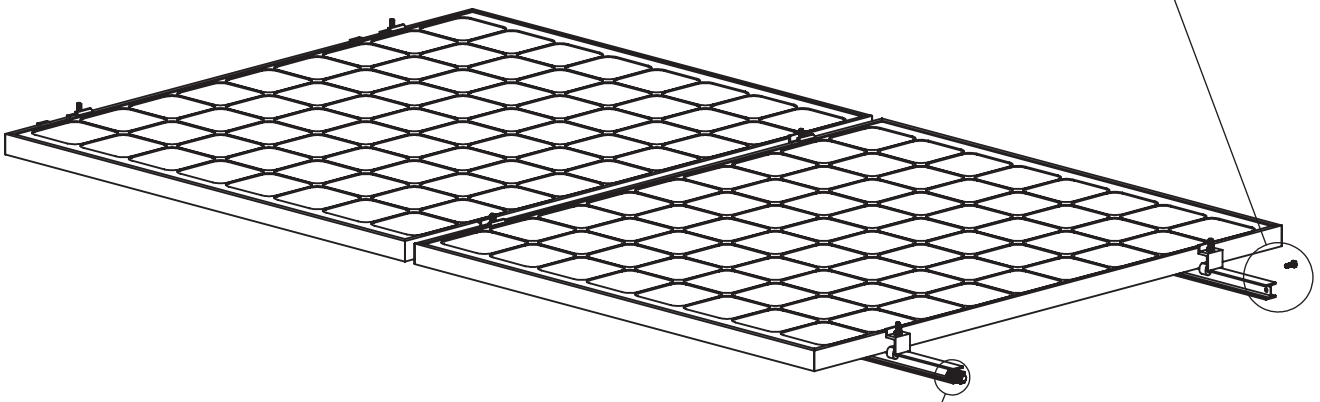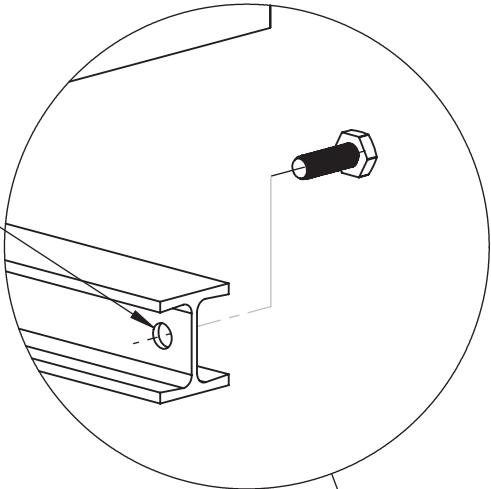WEEB-UMC NEEDED = [C+1] X R = [5+1] X 1 = **6**

Note:
When replacing a single faulty module, also remove the adjacent module which contacts the same WEEBs as the faulty module. This will ensure that there are never ungrounded modules in the array.
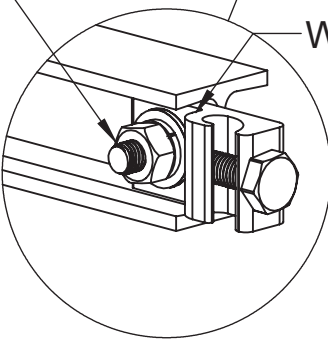
WEEBLUG ASSEMBLY

7

Drill bolt clearance hole
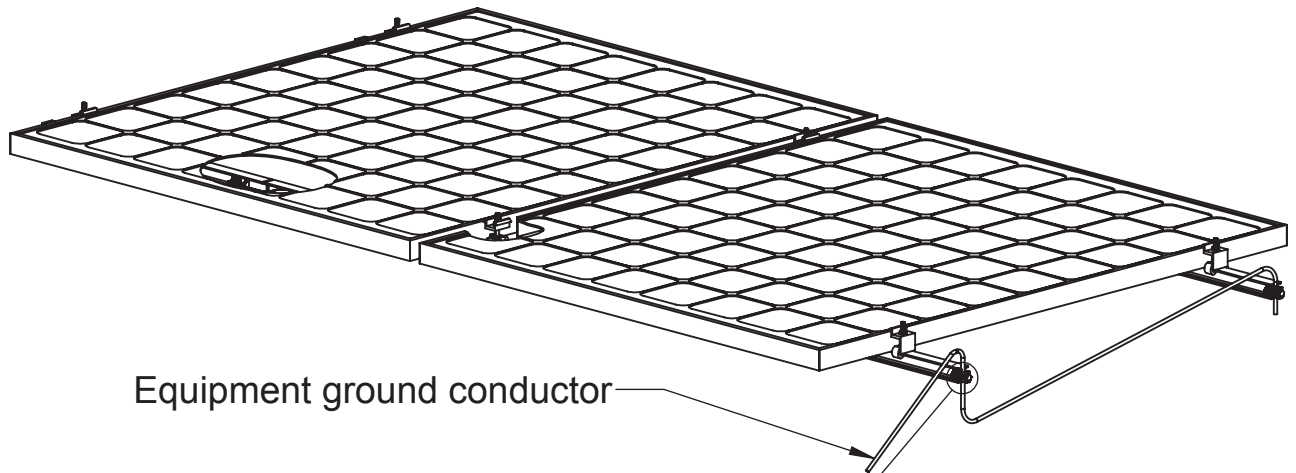⌀ 17/64in / 7mm on center
of vertical rail support.

Assemble WEEBLug assembly
and torque fasteners to
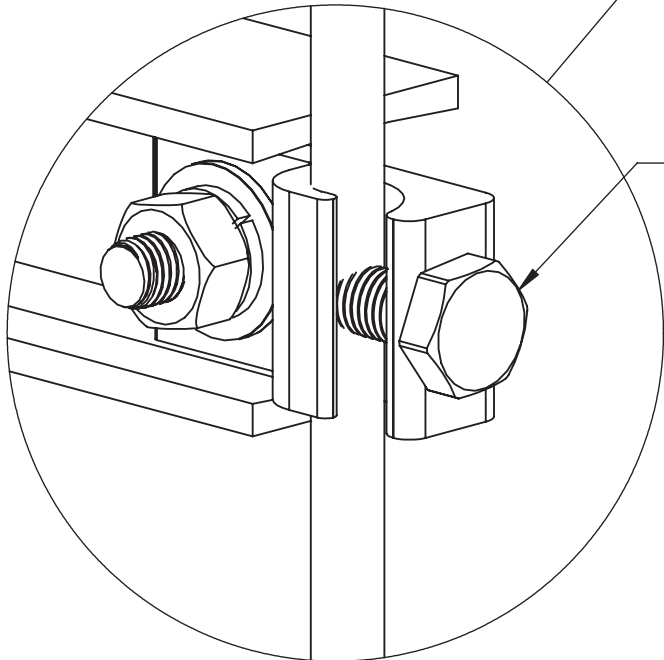10 ft-lb / 13.5 N-m

WEEB teeth towards rail

Important note:
**WEEB-6.7 that sits under the WEEBLug is for single use only.
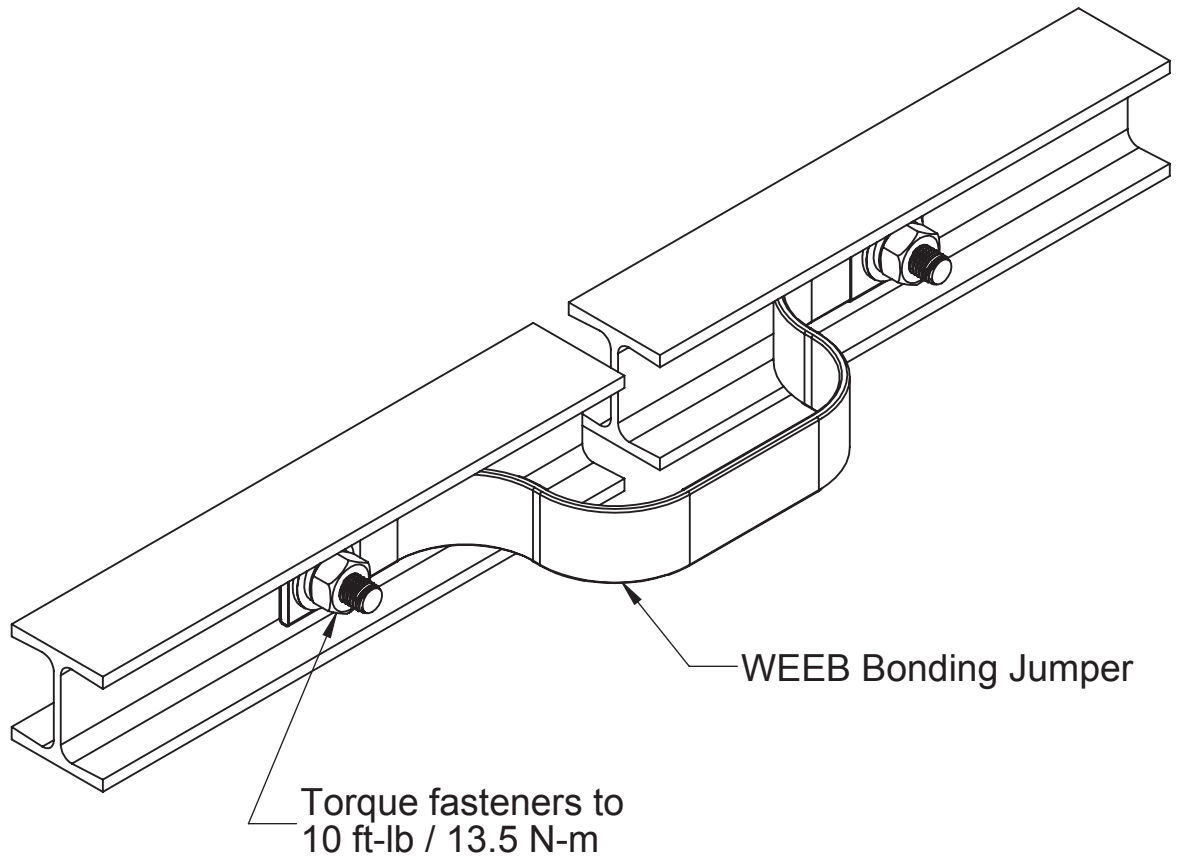Ensure orientation is correct before tightening down.**

Equipment ground conductor

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

UGC2 SPLICE KIT ASSEMBLY

9 WEEB Bonding Jumper can be used for all rail splices including expansion joints.

WEEB Bonding Jumper

Torque fasteners to
10 ft-lb / 13.5 N-m