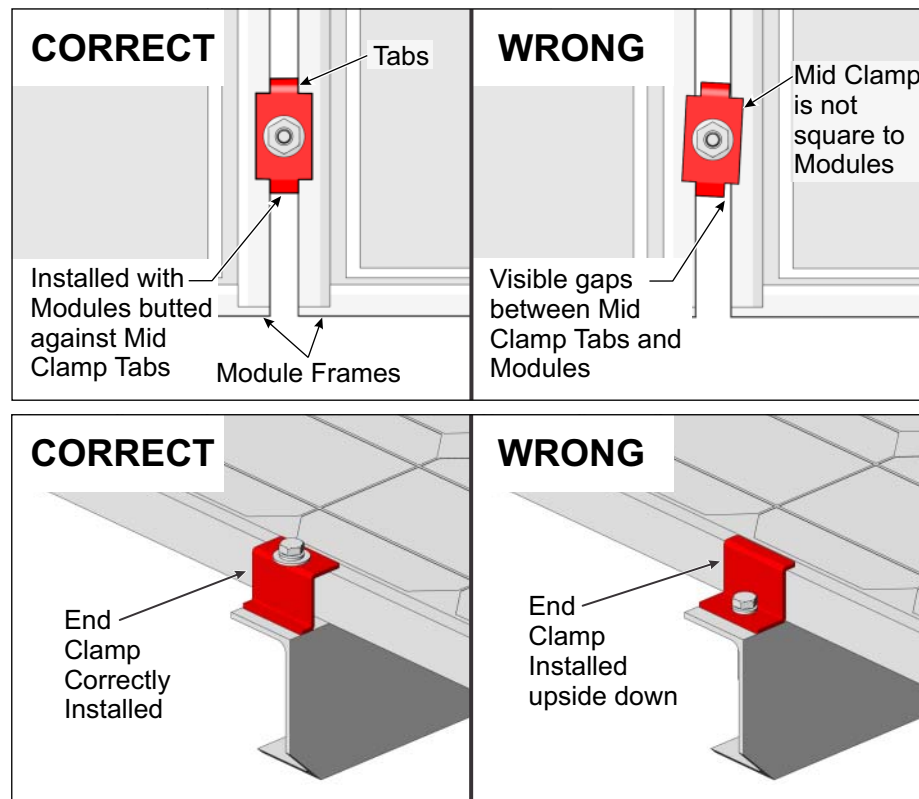


## Top Clamping Modules on TPM Rack Installation Supplement

This supplement shows how to attach PV Modules on a Top-of-Pole-Mount (TPM) rack using the top clamp method. It demonstrates the proper use of Mid Clamps and End Clamps along with the associated hardware.

### Correctly Installing Mid and End Clamps

Mid and End clamps must be installed as shown. Failure to do so could lead to personal injury, structural failure and/or damaged components.



## Installing Mid and End Clamps

Mid Clamps are attached to the Rails using a 5/16" Hex Bolts and hardware. The bolts thread into the factory installed PEM nuts within the Rails.

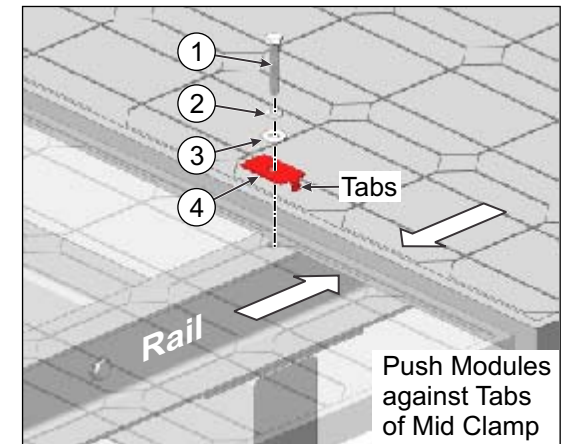
### Mid Clamps

Mid Clamp tabs must rest between the Modules.

Parts:

- ① 5/16" Hex Bolt (length depends on module thickness)
- ② 5/16" Lock Washer
- ③ 5/16" Flat Washer
- ④ Mid Clamp

**Torque: 14-16 ft.-lbs.**



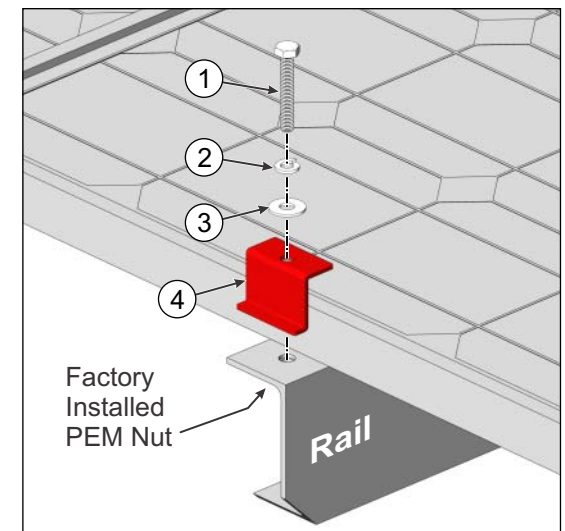
### End Clamps

Make certain that End Clamps are installed as shown and not upside down.

Parts:

- ① 5/16" x Hex Bolt (length depends on module thickness)
- ② 5/16" Lock Washer
- ③ 5/16" Flat Washer
- ④ End Clamp

**Torque: 14-16 ft.-lbs.**





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