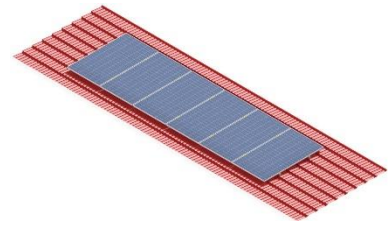




## HARVEY TILE INSTALLATION GUIDELINE



**The Following document provides a brief overview on the installation of the six-panel kit of the Harvey Tile solar solution for tiled roofs.**

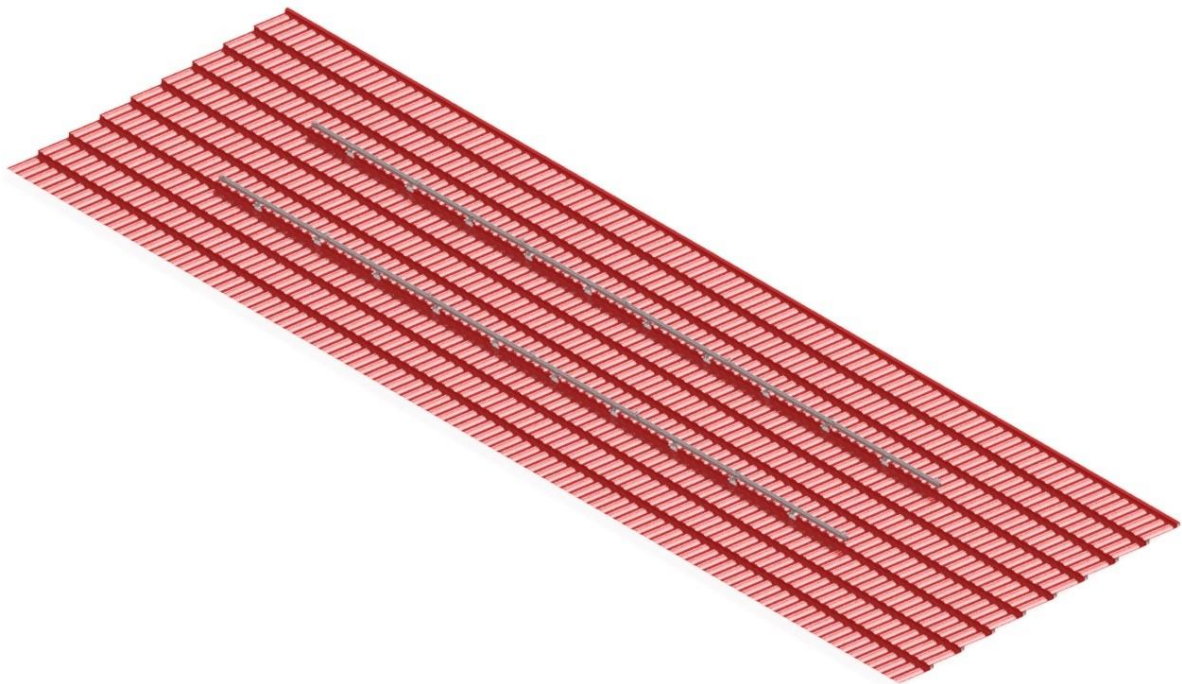


*Figure 1: Overview of Mounting Structure Installation*



*Figure 2: Side view of Mounting Structure Installation.*

### **NOTE:**

**NO PART OF PANEL ON ROOF OVERHANG AREA.  
ALL BOLTS AND NUTS IS TO BE TORQUED TO 15 Nm.**

## Installation Steps

### Step 1:

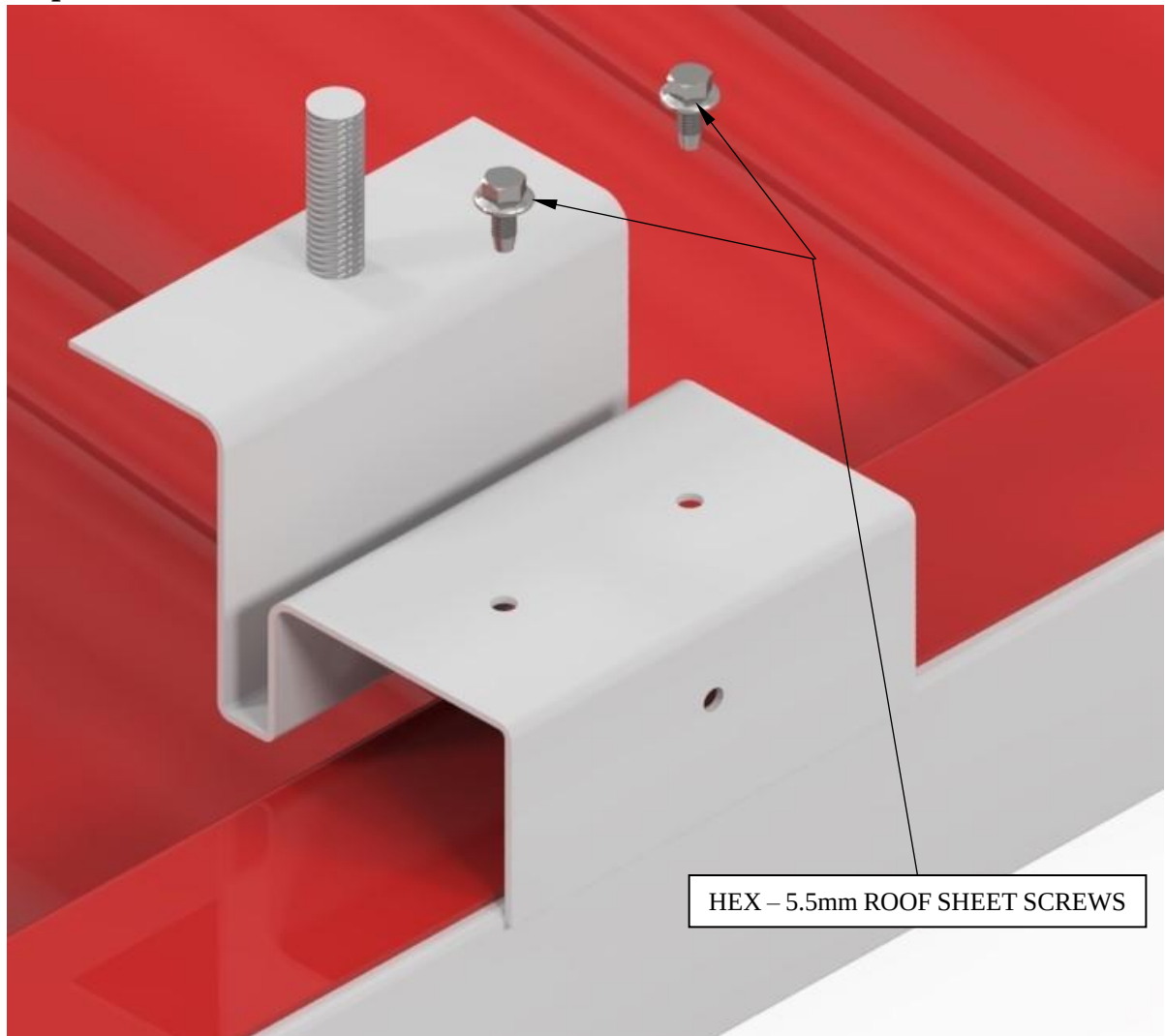


*Figure 3: Harvey Tile Bracket to Harvey Tile Assembly.*

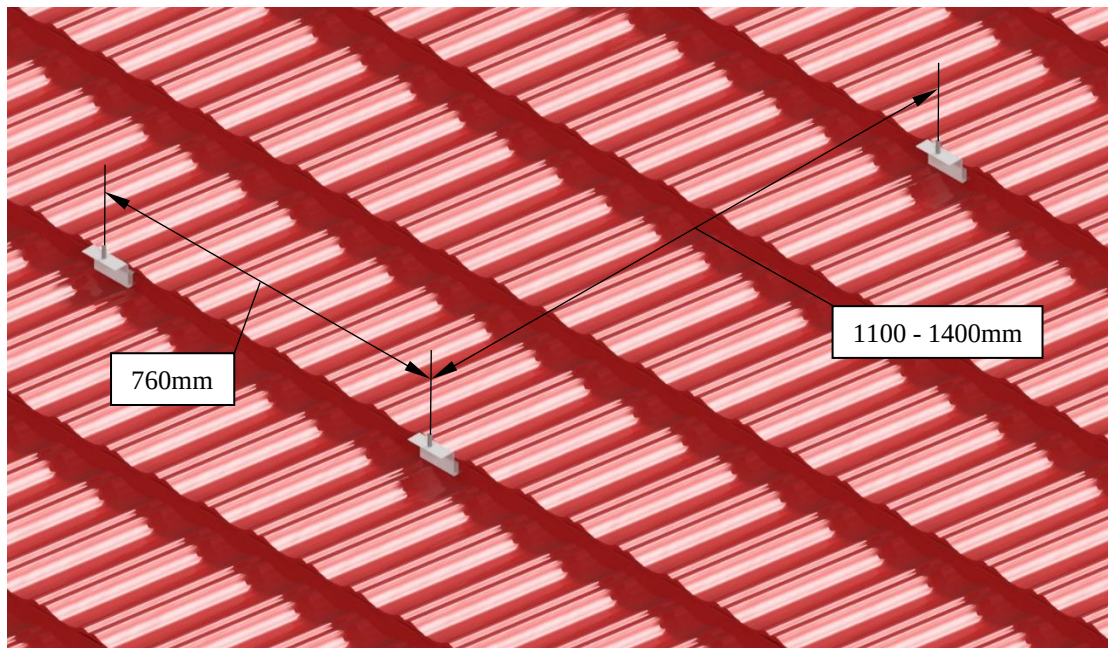


*Figure 4: Harvey Tile Bracket Positioning.*

Space the Harvey Tile bracket 1100 – 1400mm Long and 760 - 850mm across.  
If other configuration is required contact Valsa.

**Step 2:**

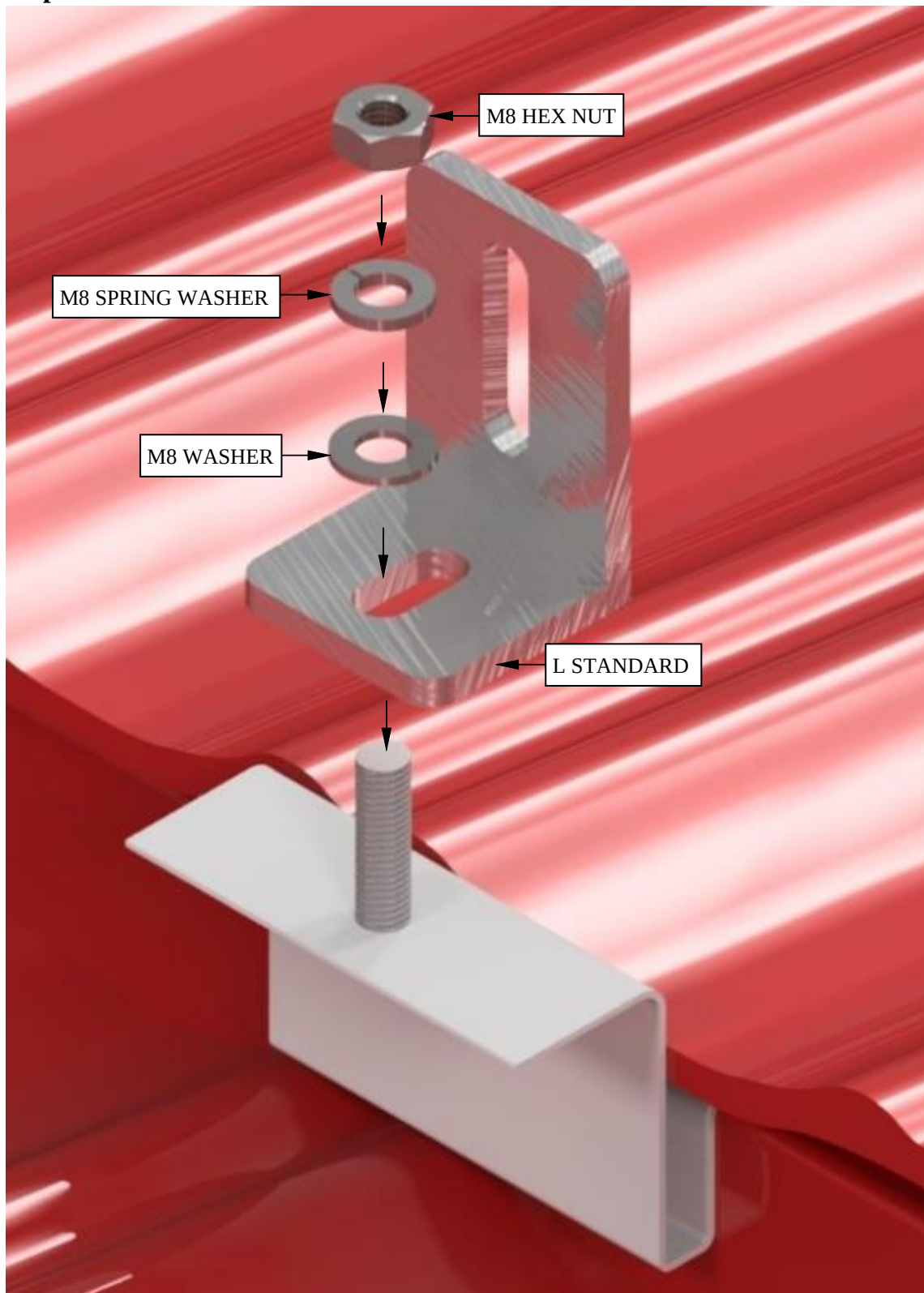


*Figure 5: L Standard Assembly to the Harvey Tile Bracket.*

**Step 3:**

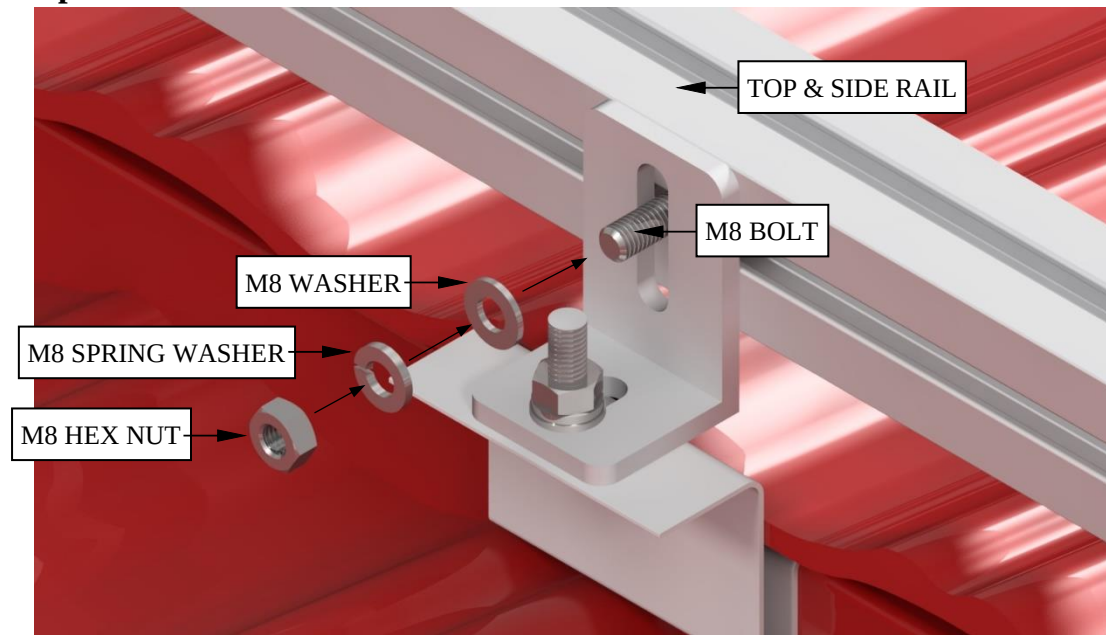


*Figure 6: Top & Side Rail Assembly.*

Tighten the nut to 15 Nm torque to Top & Side rail.

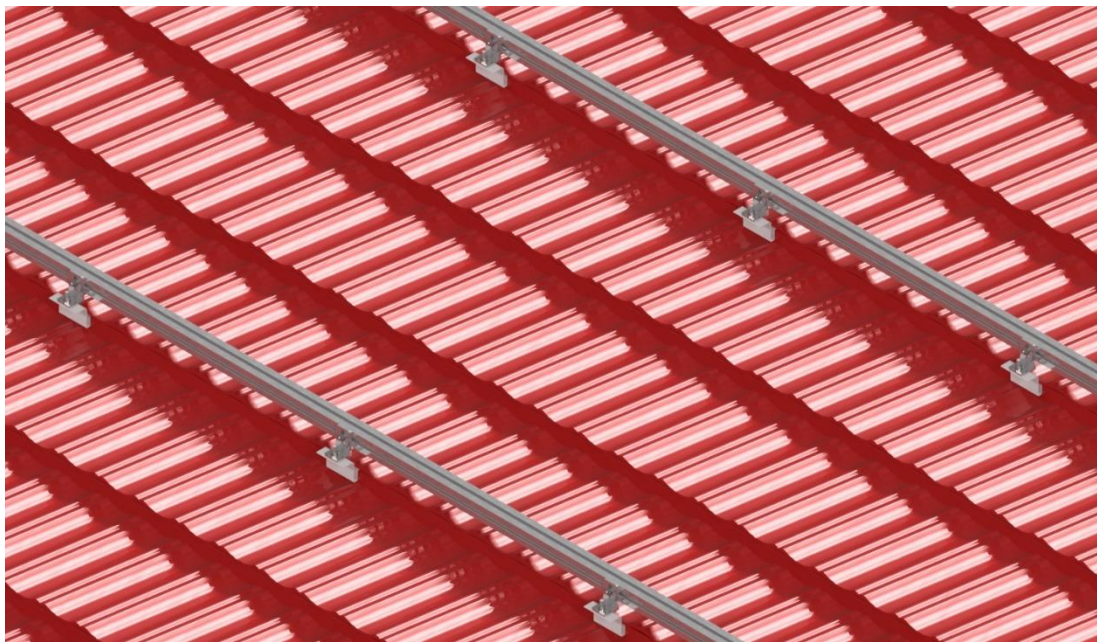


*Figure 7: Mounting Structure Rail Positioning*

Fasten the rail to the Harvey Tile Bracket and ensure that the rails are level before tightening.

**Step 4:**

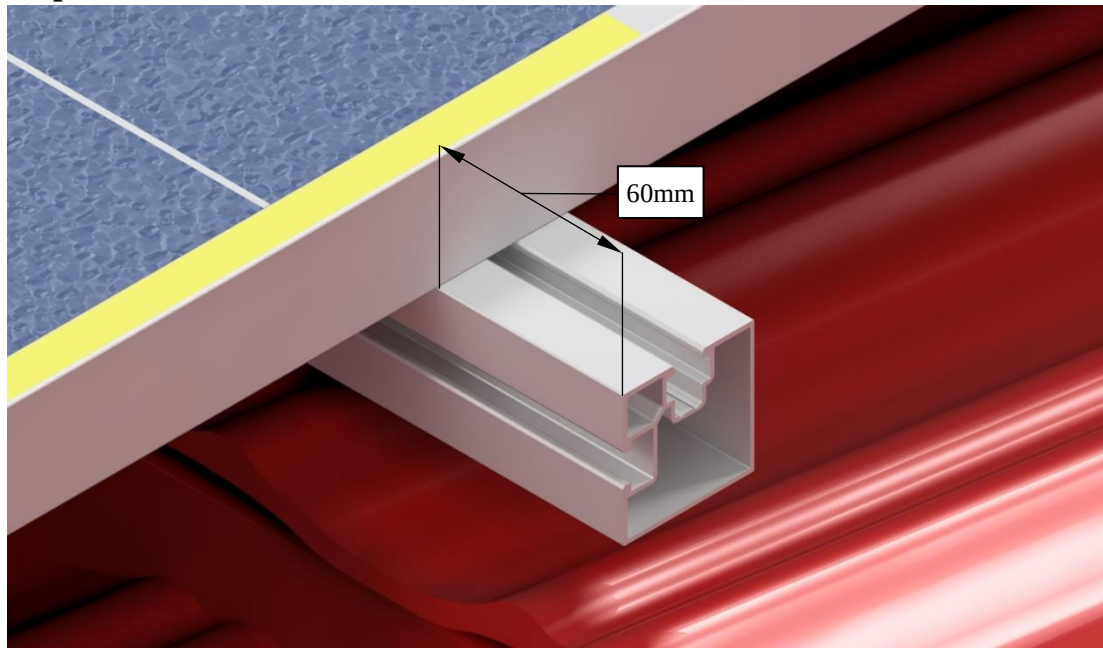


*Figure 8: Top & Side Rail Position.*

Ensure to that there is 60mm space to form the edge of the rail and the edge of the solar panel for the End Clamp to be fitted.

**STEP 4:**

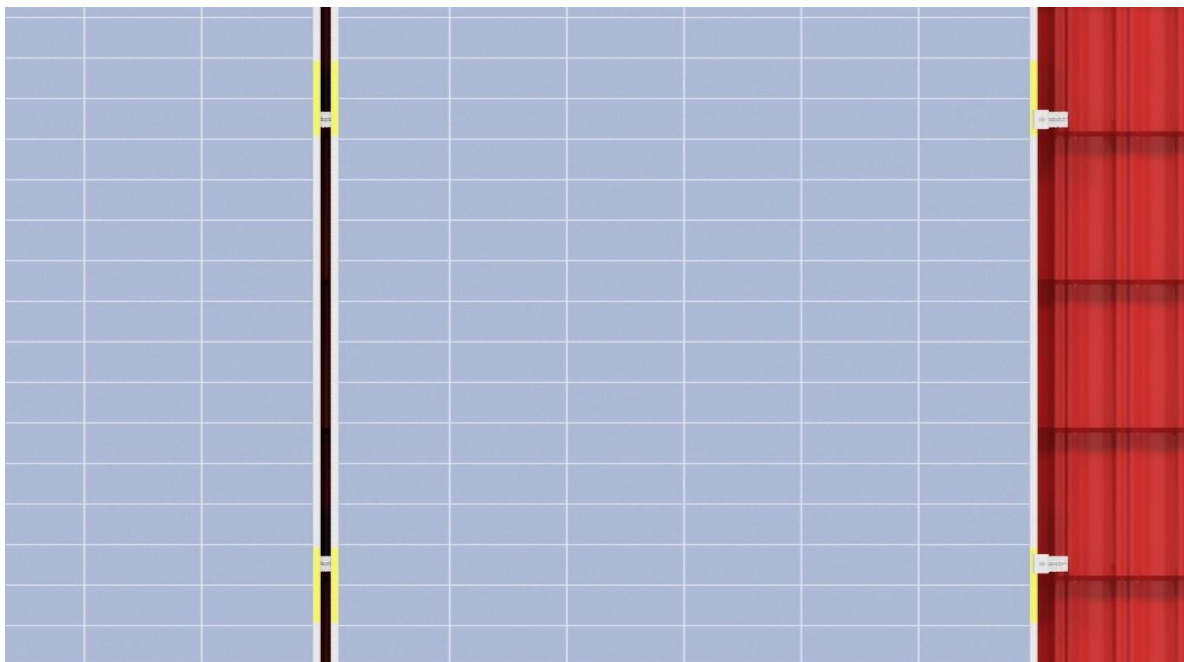


*Figure 9: Installation Positioning.*

Before rails are installed ensure that the clamps are within the clamping zones of the panel (consult the panel installation guide for more information). Position the End Clamps, Mid Clamps, and Solar Panels (yellow indicates clamping zones). Torque all bolts to 15 Nm to ensure a proper connection.

**STEP 5:**

**End Clamp Installation Method.**

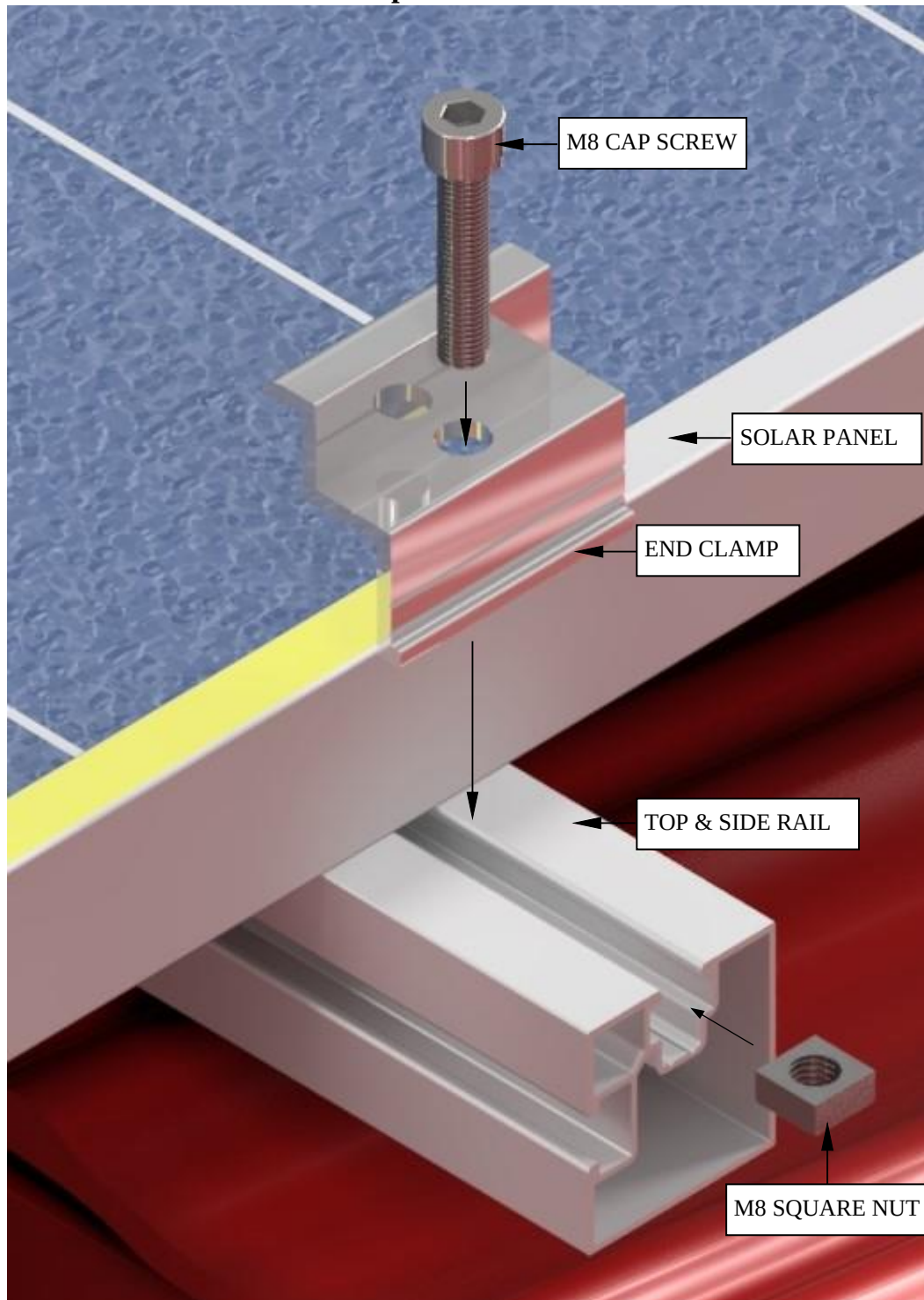


*Figure 10: End Clamp Installation.*

Tighten the bolt to 15 Nm torque.

**STEP 6:**

**Mid Clamp Installation Method**

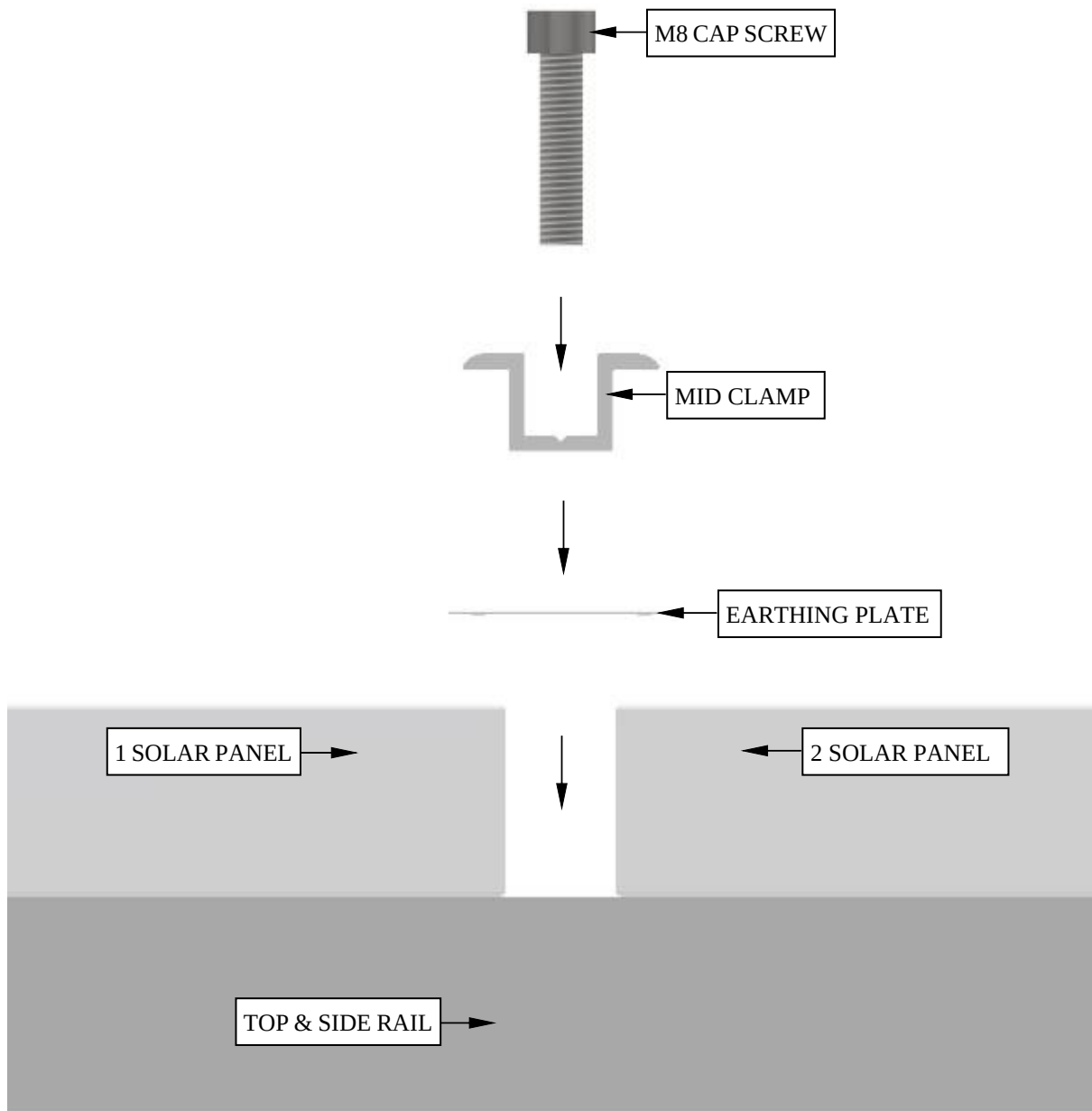


*Figure 11: Mid Clamp Installation.*

Tighten the bolt to 15 Nm torque.

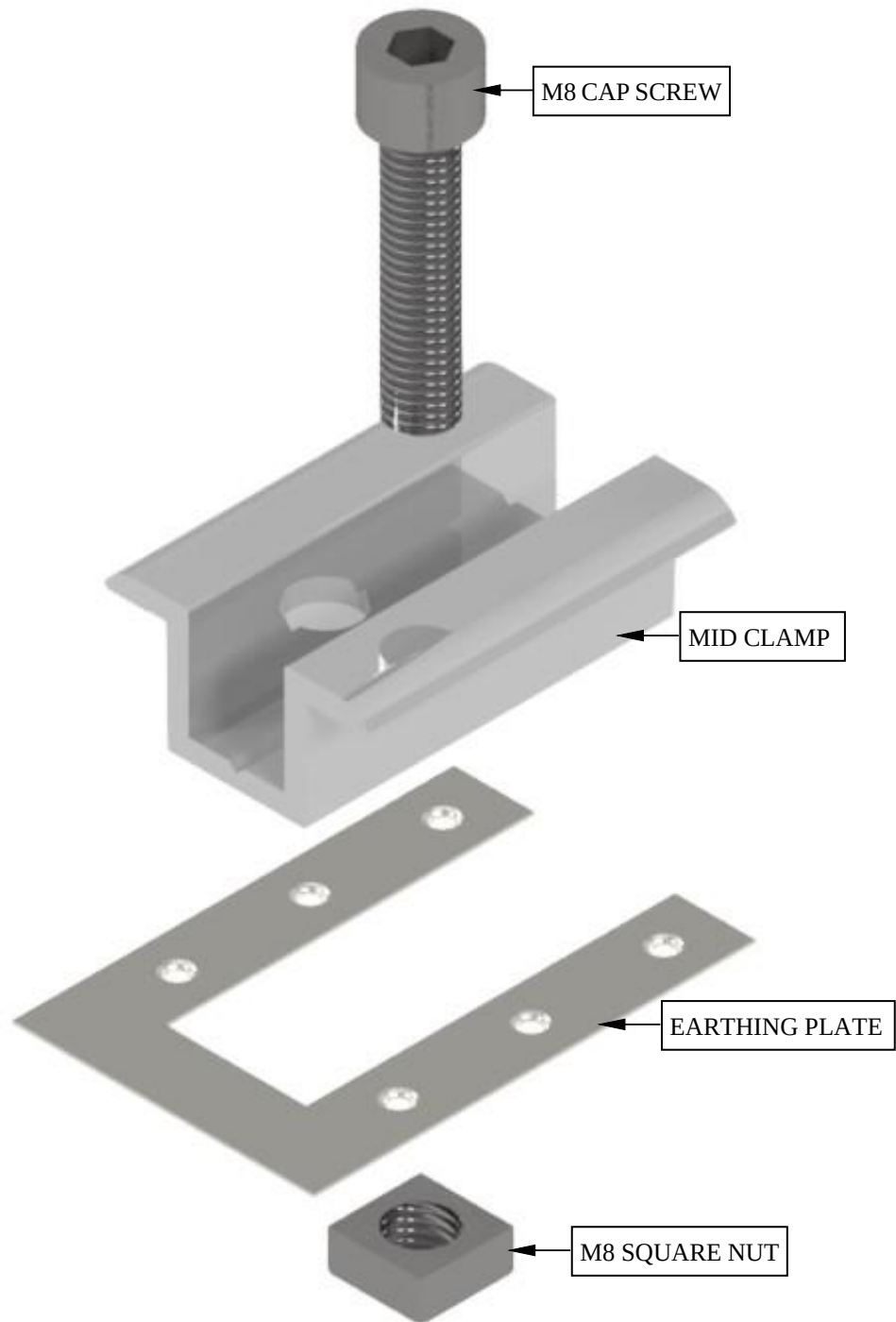


Figure 12: Mid Clamp Assembly.

# GENERAL NOTES

## Method of Joining Top & Side Rail Together

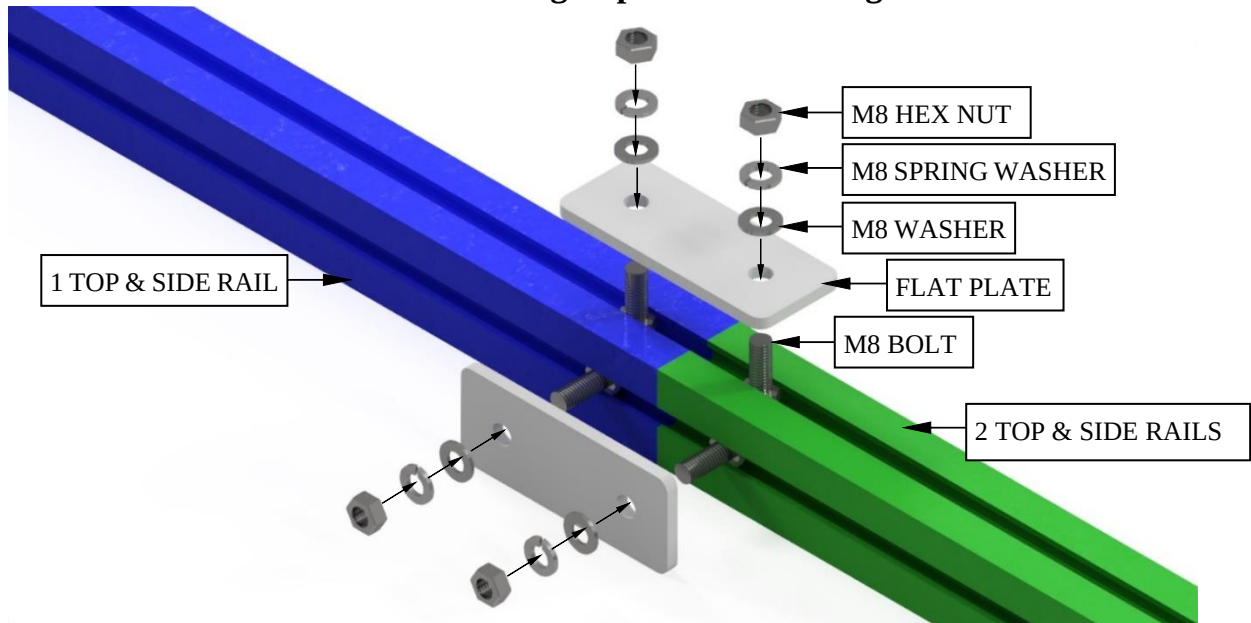


Figure 13: Flat Plate to Top & Side Rail Fixing.

- To connect two Top & Side rails, tighten a flat plate at 15 Nm torque in the configuration as seen in Figure 13. Ensure that the two rails are correctly aligned before tightening the nuts.