

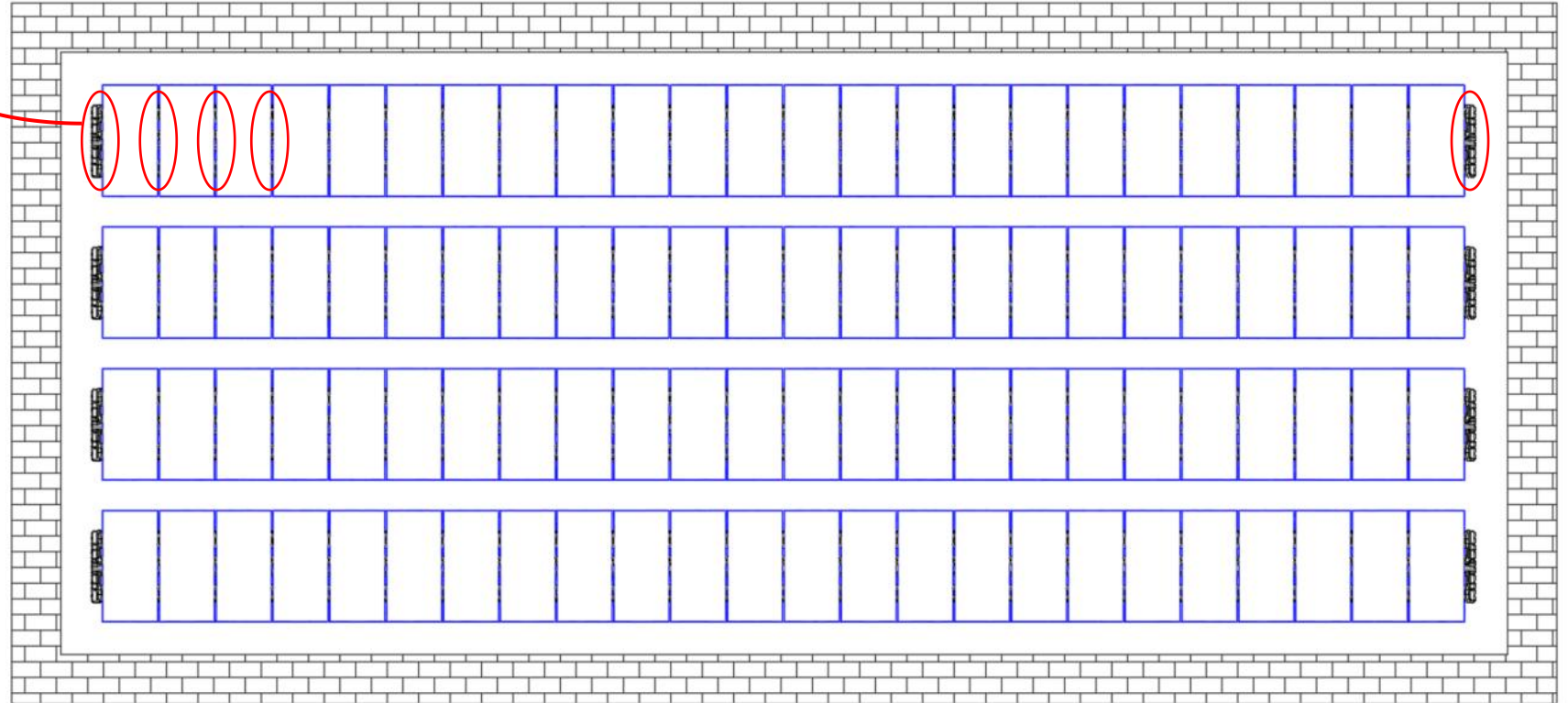
Installation Guide



Step 1: Ballasted Racking Layout and Placement

Ballasted Racking
Location Layout

- Position the ballasted racking at the corresponding locations in accordance with the overall roof layout

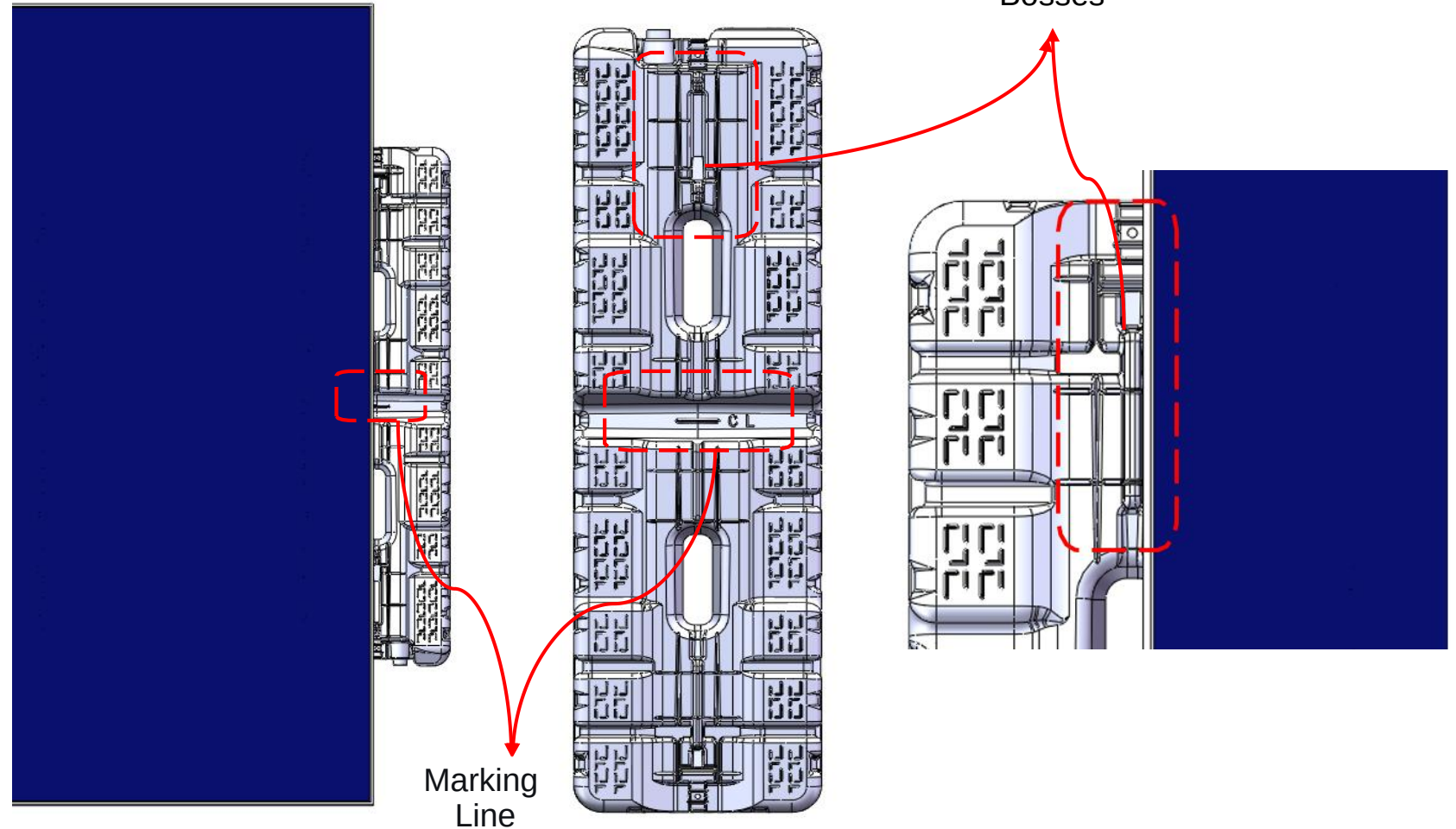


Indicative Layout Plan

Step 2: Install the ballasted racking

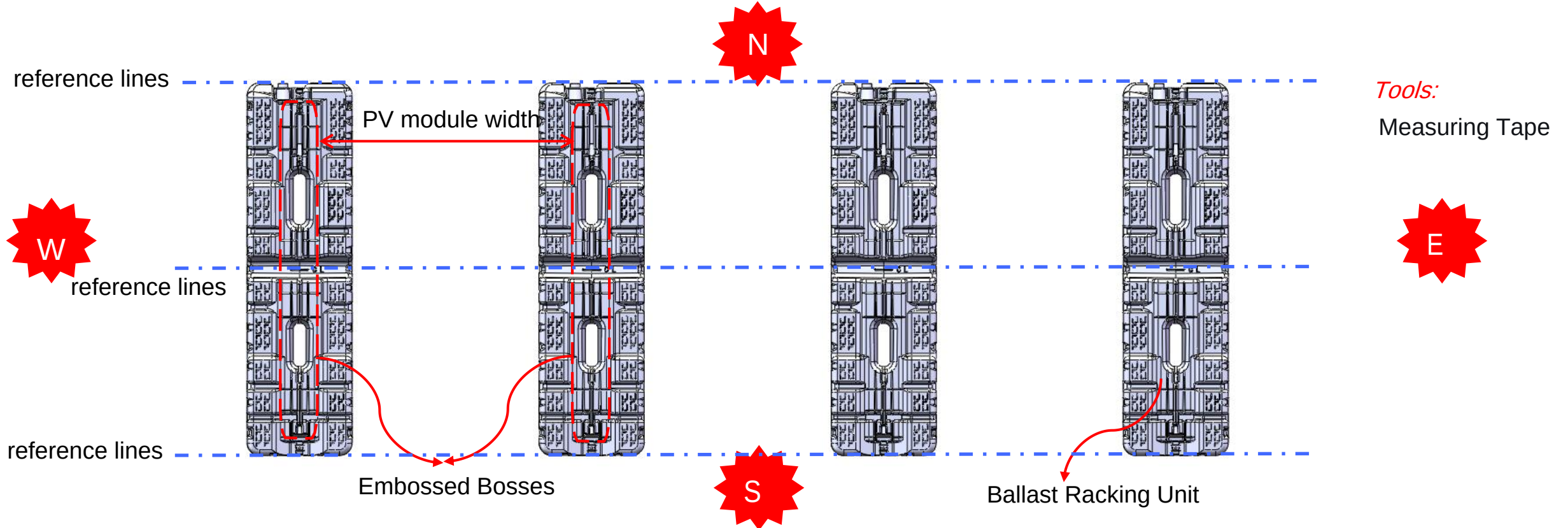
➤ Placement rules for ballasted racking and PV modules

1. The marking line on the ballasted racking shall be aligned with the center of the long edge of the PV module.
2. The embossed bosses on the ballasted racking shall fit snugly against the long edge of the PV module



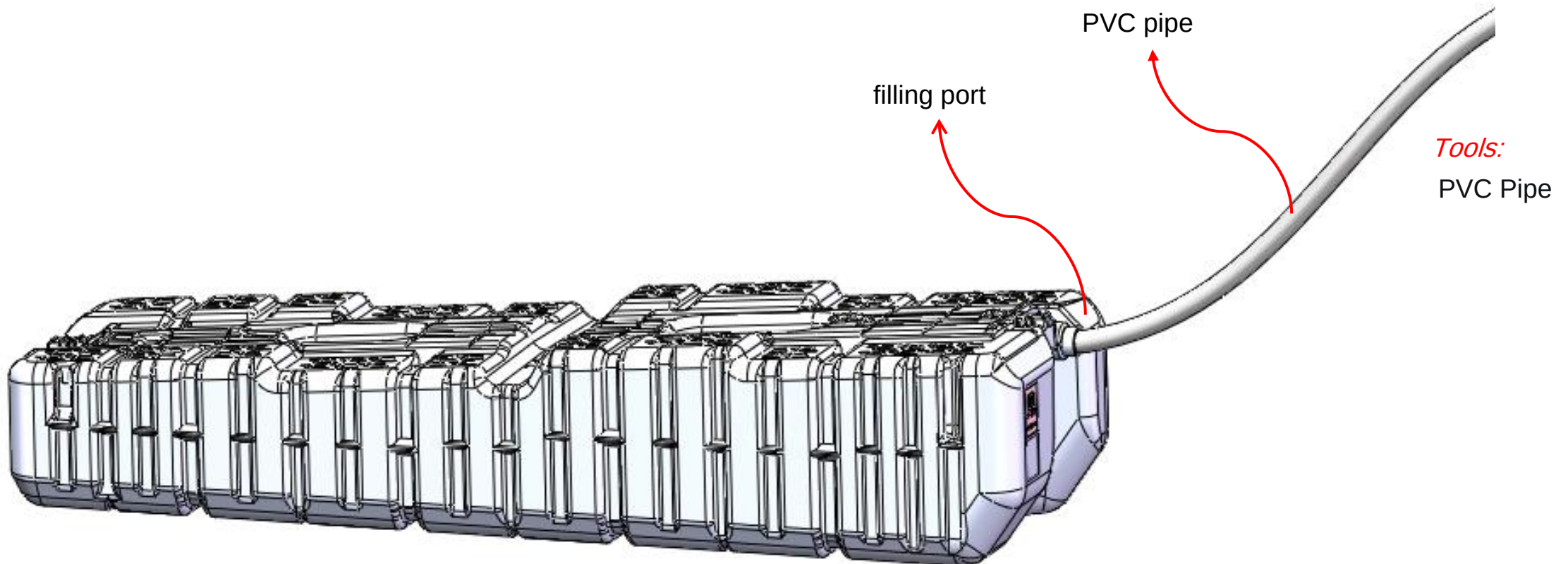
Step 2: Install the ballasted racking

- Place the ballasted racking at the designated locations as shown in the figure bellow. Ballasted racking units in the same row shall be installed parallel to each other. Datum/reference lines may be set out to assist with positioning.
- The spacing of ballasted racking (i.e., the distance between the embossed bosses of adjacent ballasted racking units) shall be determined by the PV module width.



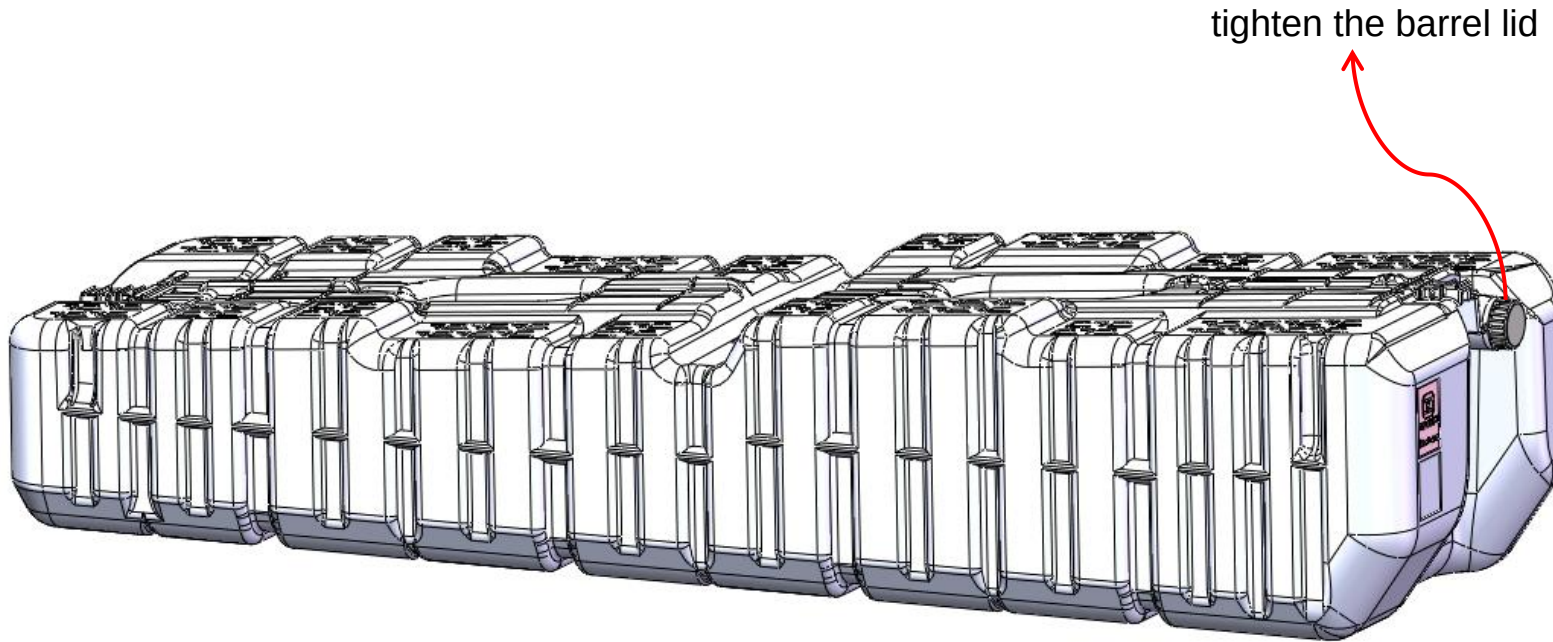
Step 3: Fill the ballasted racking with water. (The sequence of this step may be adjusted according to site conditions.)

- Open the barrel lids and fill each ballasted racking unit with water through the filling port.



Step 4: Tighten the barrel lids. (This step may be resequenced according to site conditions.)

- After filling with water through the filling port, refit the barrel lid onto the ballasted racking unit and tighten it securely.

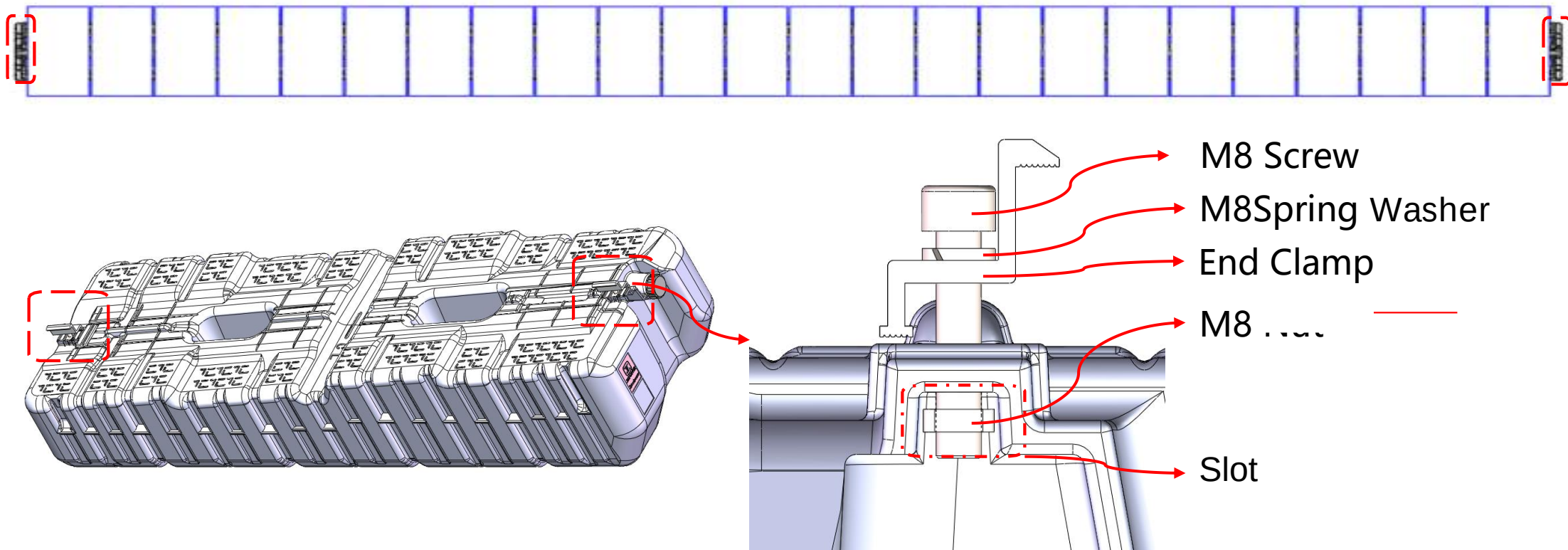


Step 5: Pre-assembly of End Clamps and Fasteners

- Place the ballasted racking units in the same row. Install end clamps on the ballasted racking units at both ends.

Pre-assemble the fasteners with the end clamps, but do not tighten them..

- Caution: After pre-tightening the square nut, ensure it is positioned within the slot/channel; otherwise, subsequent tightening of the fasteners will be difficult.

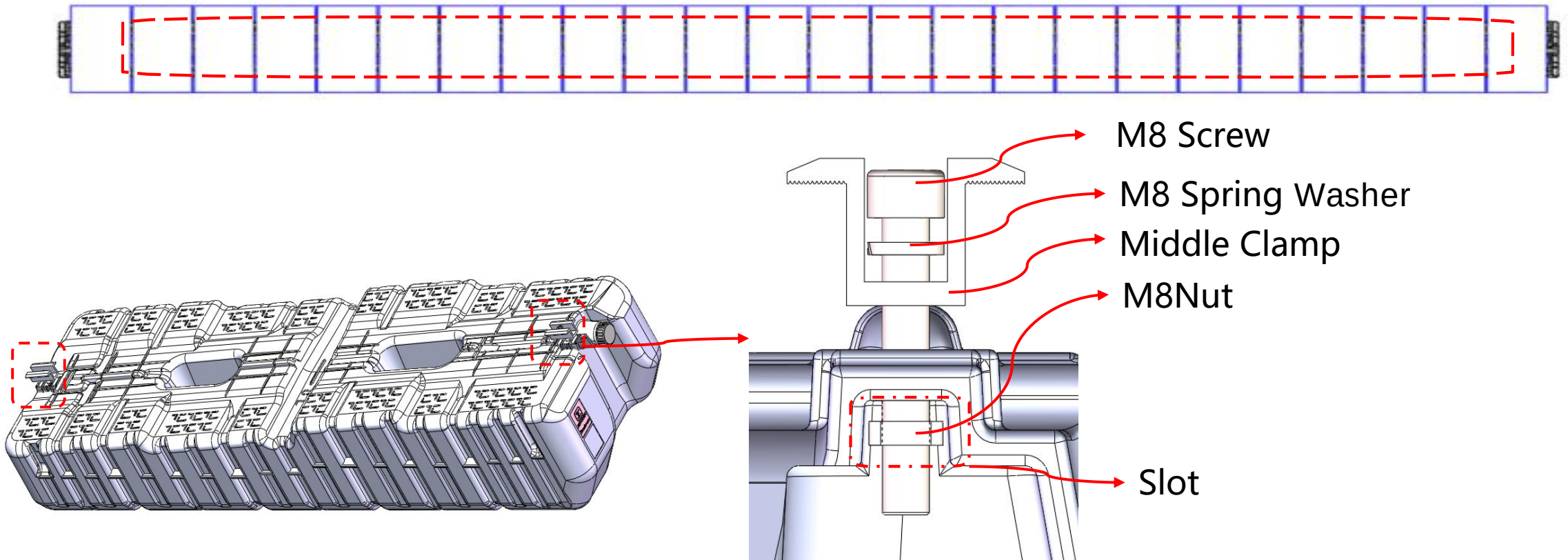


Step 5: Pre-assembly of Middle Clamps and Fasteners

- Place the ballasted racking units in the same row. Install mid clamps on all intermediate ballasted racking units.

Pre-assemble the fasteners with the mid clamps, but do not tighten them.

- Caution: After pre-tightening the square nut, ensure it is positioned within the slot/channel; otherwise, subsequent tightening of the fasteners will be difficult.



Step 6: Install the PV modules

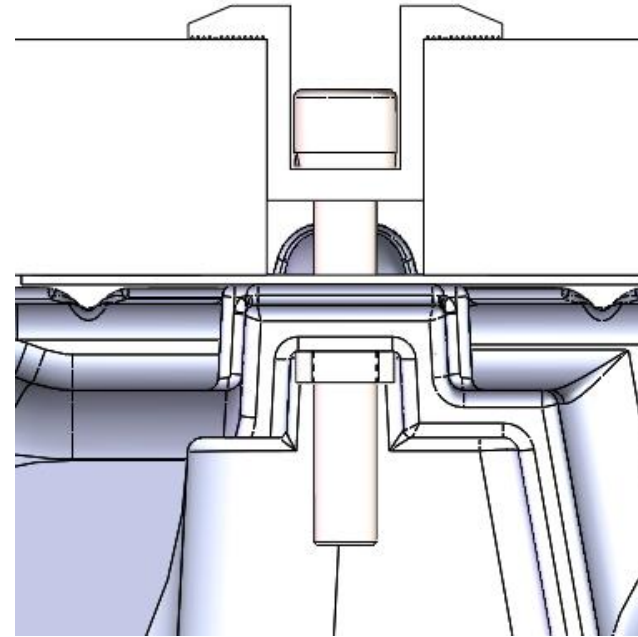
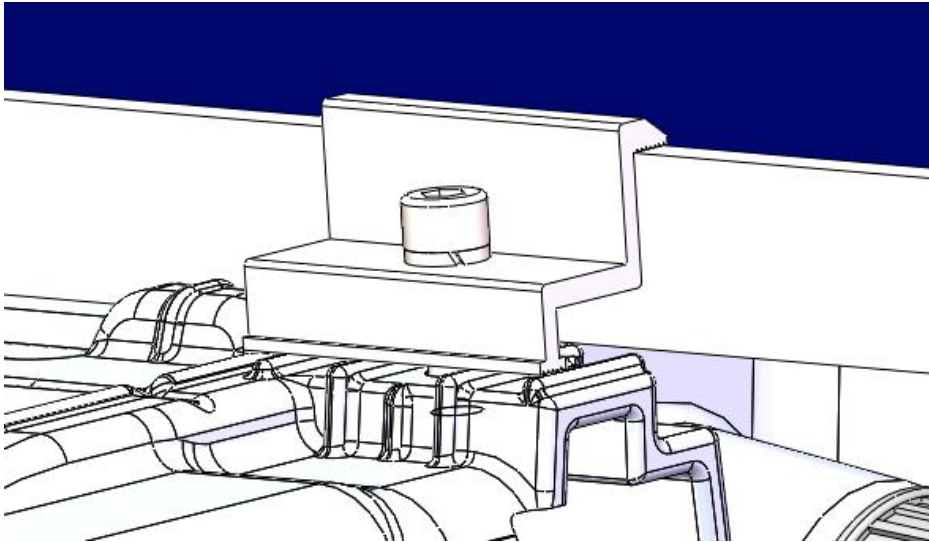
➤ Placement Rules for Ballasted Racking and PV Modules

1. The marking line on the ballasted racking shall be aligned with the center of the long edge of the PV module.
2. The embossed bosses on the ballasted racking shall fit snugly against the long edge of the PV module



Step 7: Tighten the fasteners

- Tighten all fasteners on the ballasted racking



Tools:

Wrench: 14 mm (Pre-tightening torque: 15 N·m)