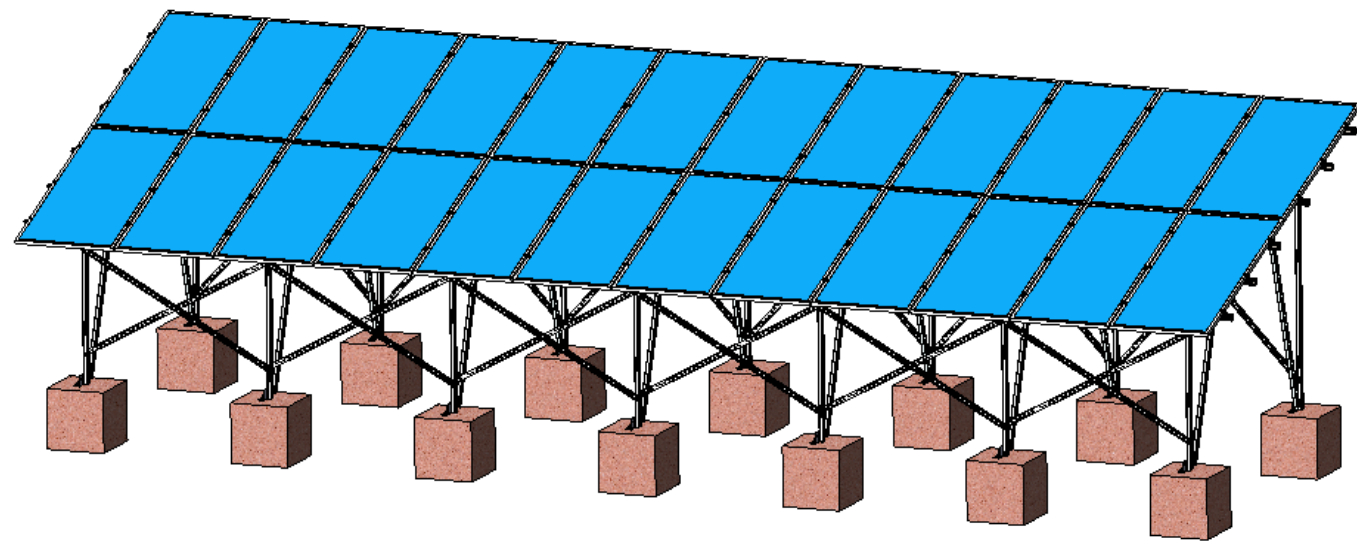


Ground Mounting Installation Guide

Material: Magnesium Aluminum Zinc Coating Steel.

· 10 years warranty, 25 years service life.



Installation tools



Wrench 6mm



Adjustable wrench



Torque wrench
Apply to M8 \ M12 bolts or nuts



Electric tool



Hexagonal fibre kit
Apply to ST6.3\M8\M12 screw



Drill tools 5 mm



Tape

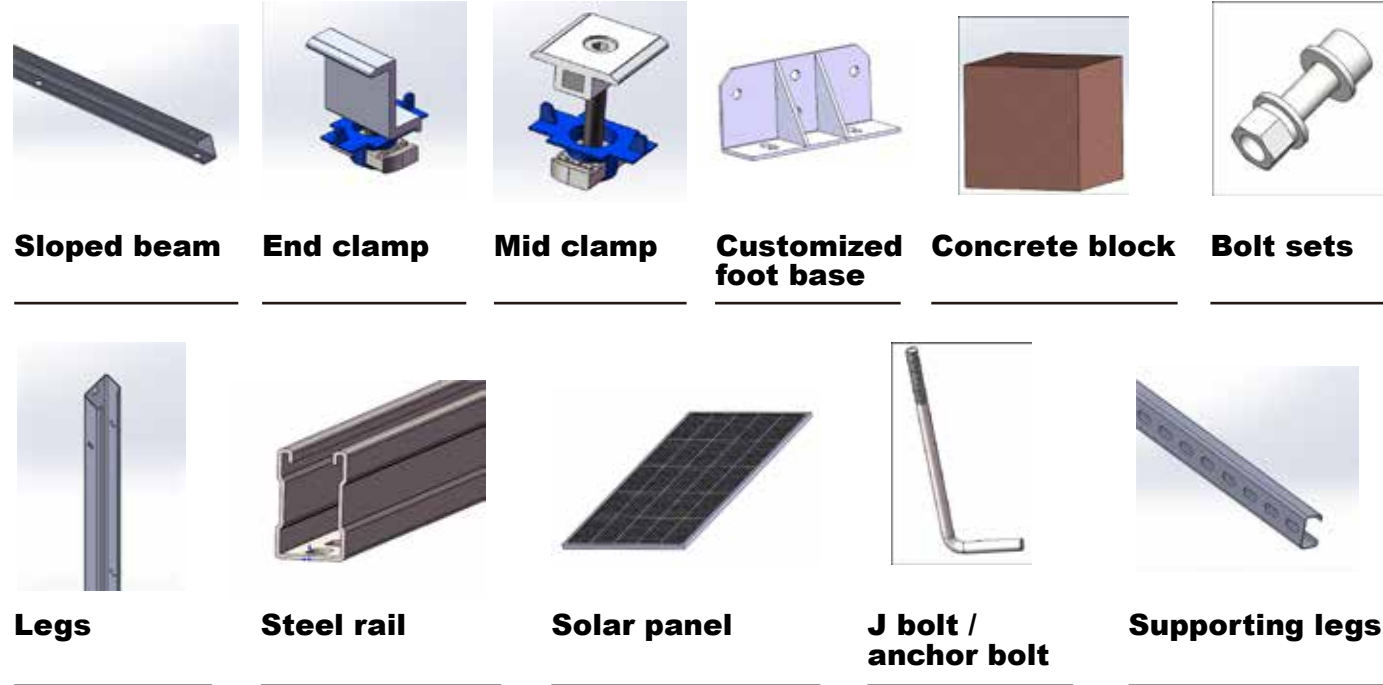


Rope



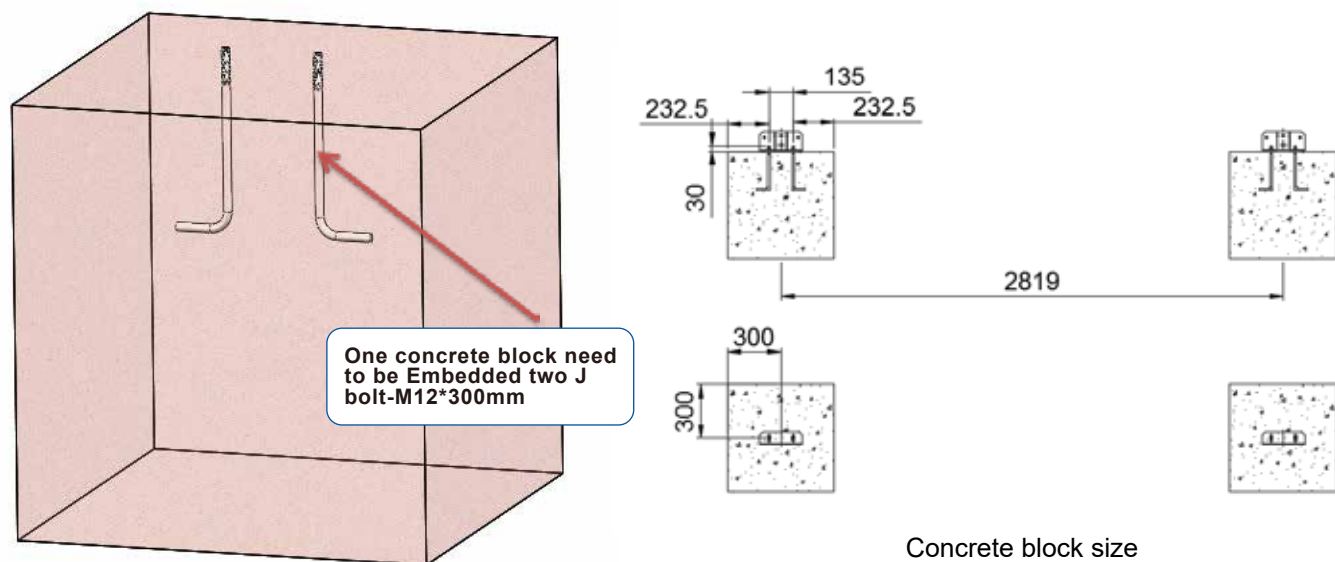
Wooden mallet

Components List



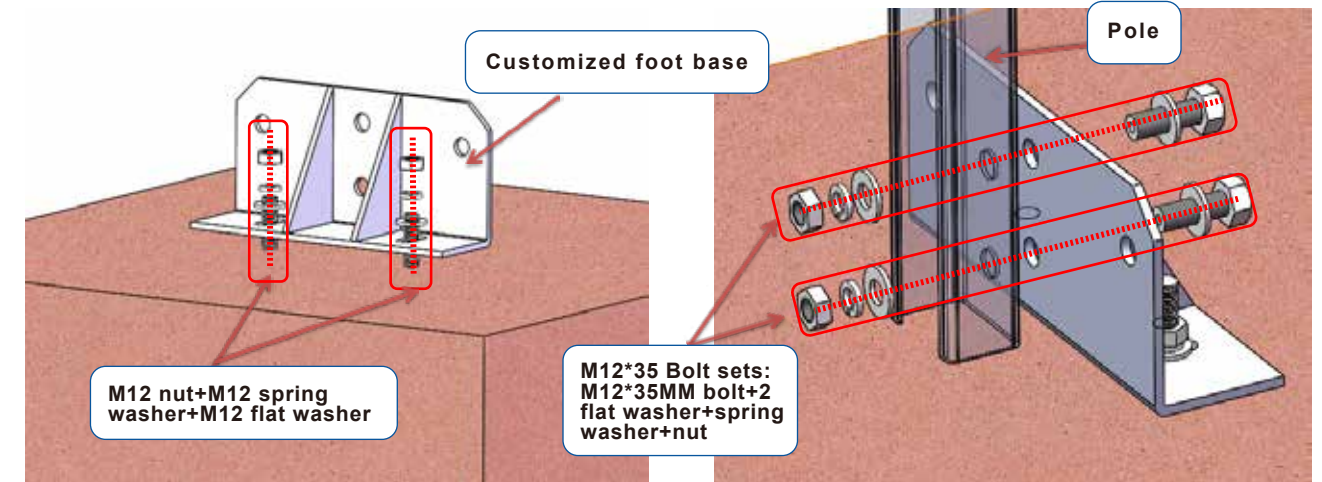
Installation Steps

STEP1 According to the technical drawing to make concrete block and Embedded two J bolts into one concrete block.



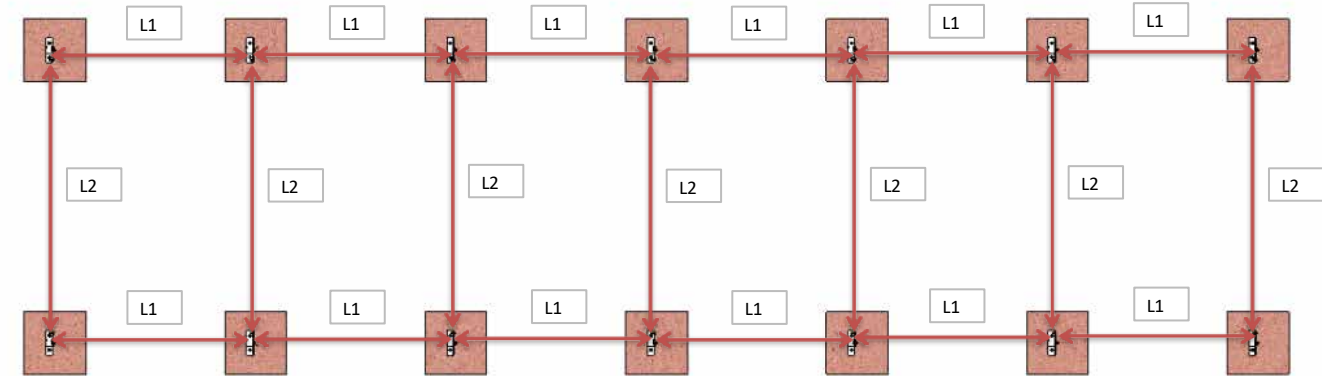
Make cement foundation, the distance between the embedded bolts on the basis of cement can refer to the corresponding engineering drawings

STEP2 Install the customized foot base



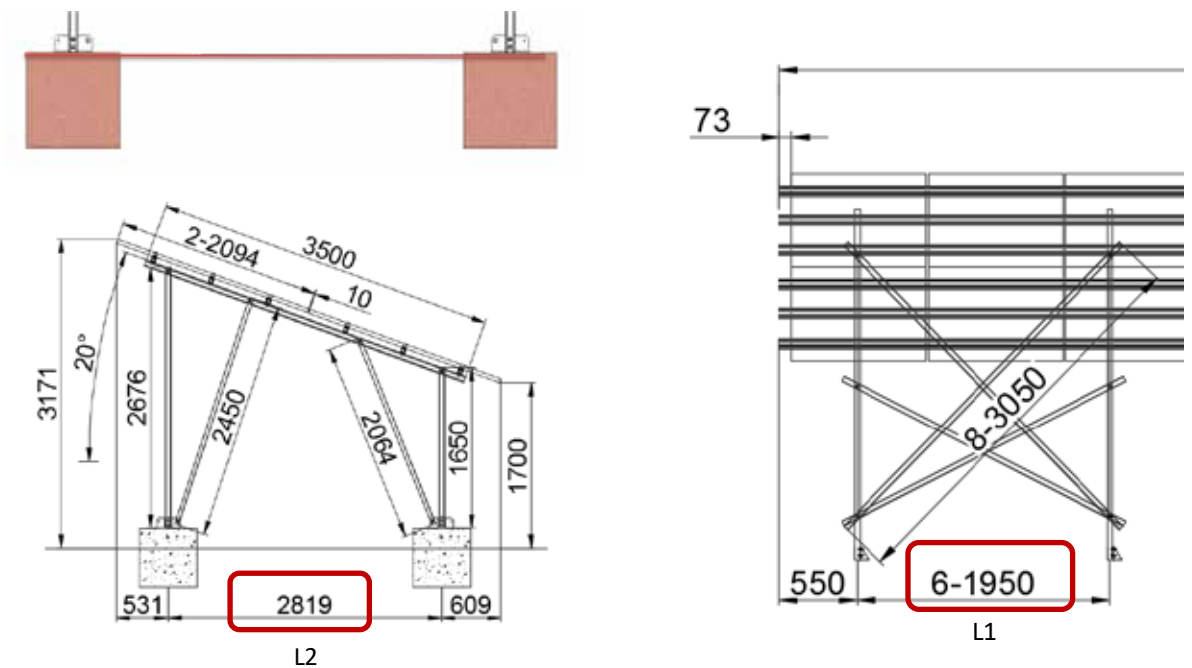
As shown in the figure, the round hole at the bottom of the customize foot base is aligned with the embedded J bolt, and fix the foot base with M12 bolt sets.

As shown in the figure, The columns are opposite to the surface of the foot base, the holes and holes are facing , and use the M12*35 bolt sets to fixed them.



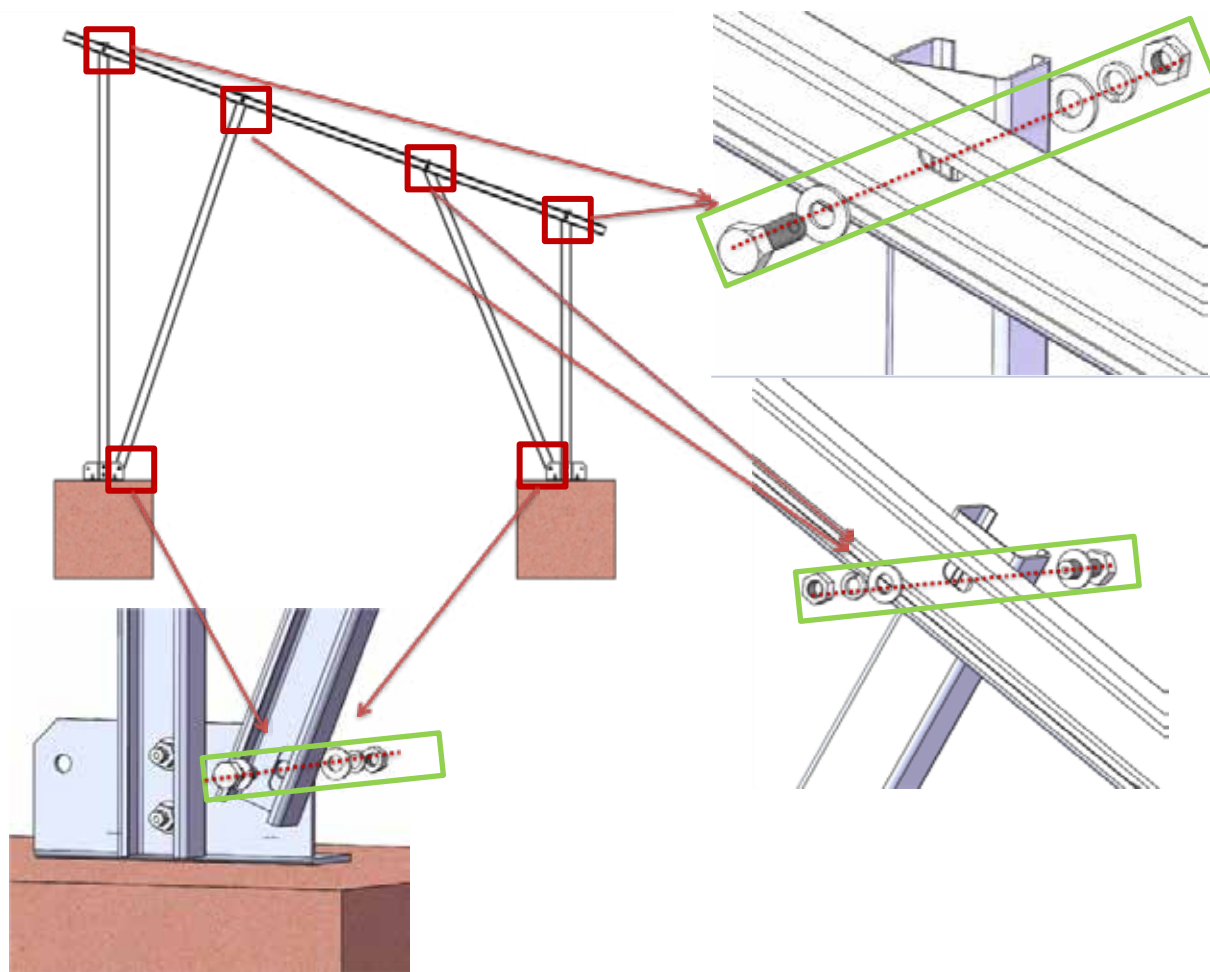
According to the engineering drawing to arrange the position of the concrete block.

Note: When installing the concrete foundation,Pls make sure that the embedded bolts should be on the same line.



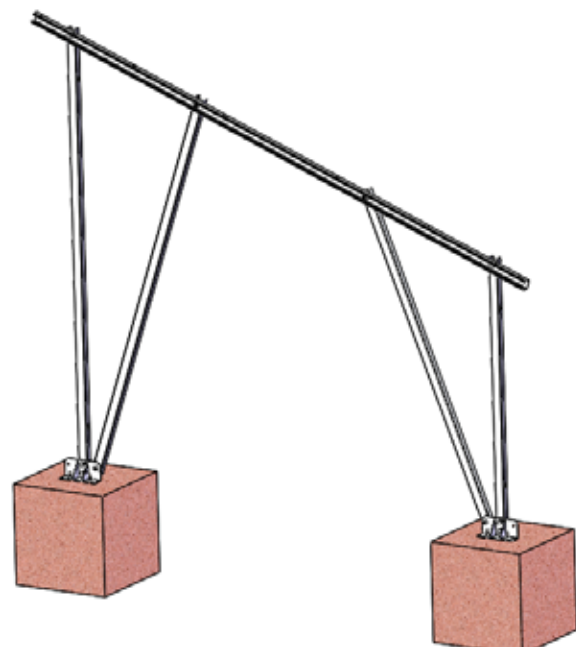
Note: The front and rear concrete blocks should be kept on the same plane.

STEP3 Support Rack installation



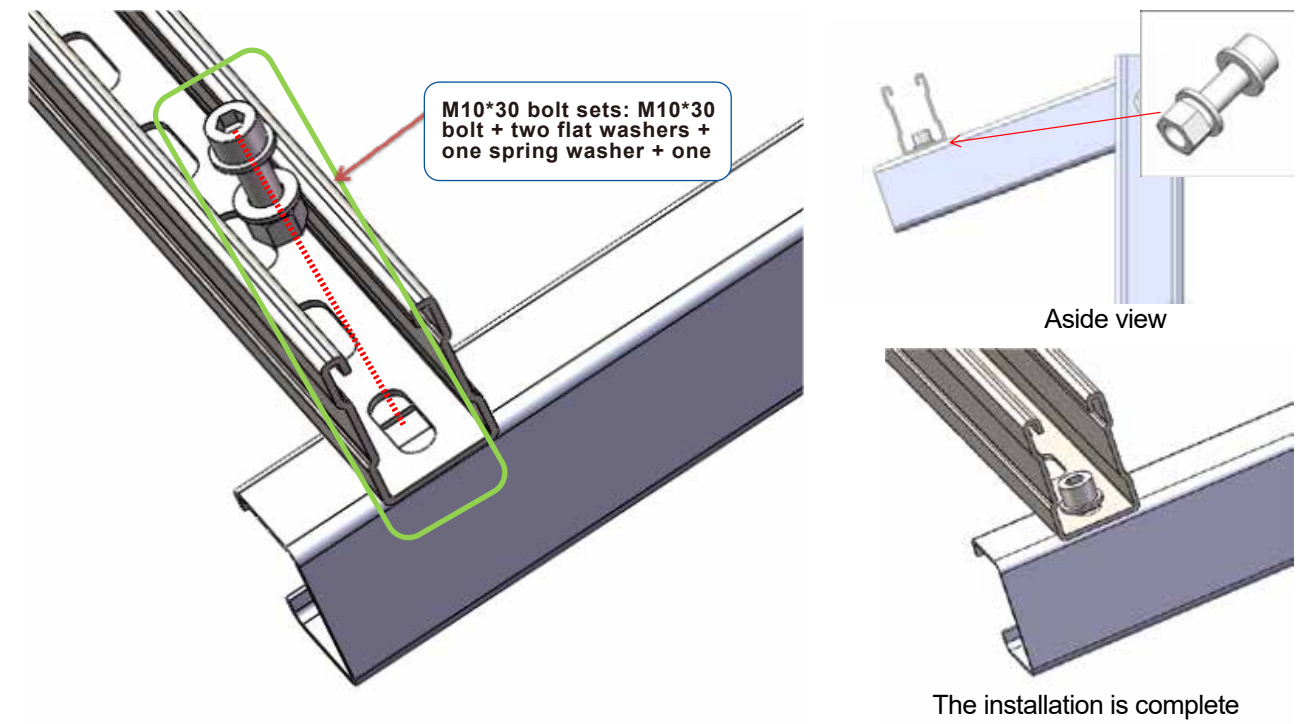
As shown in the photos, they are all M12*35 bolt sets , whose parts are: M12*35 bolt + two flat washers + one spring washer + one nut.

The holes on the inclined beam and supporting legs need to match the holes on the front and rear legs, then fixed with bolt sets.

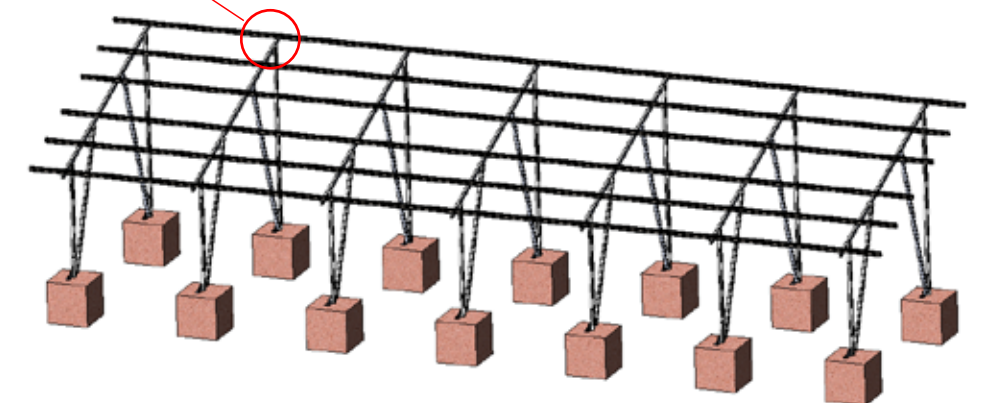
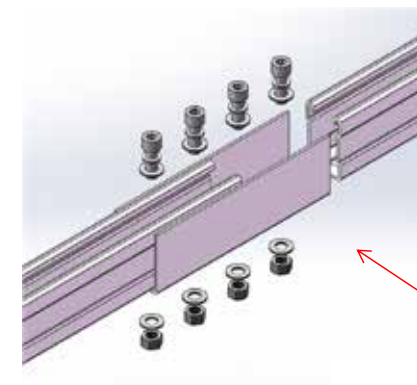


Section installation finished.

STEP4 M10*30 bolt sets: M10*30 bolt + two flat washers + one spring washer + one nut.



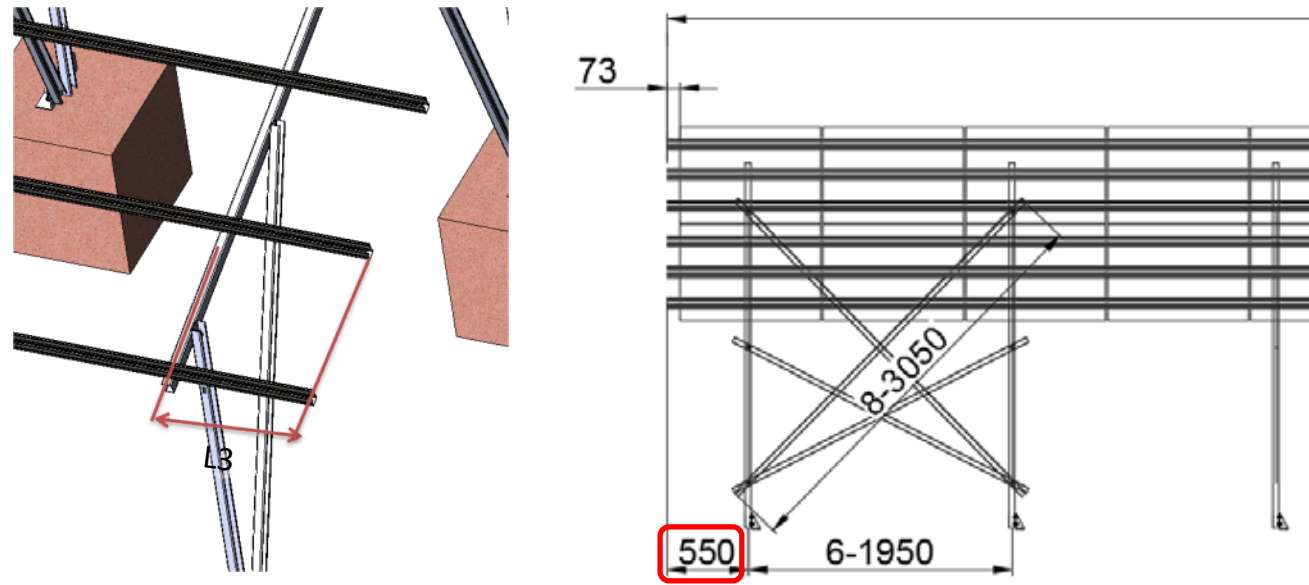
As shown in the photo above, fix the rail to the inclined beam with M10*30 hex socket bolts.



Connection of rail (if the rail is not long enough, it needs to be connected; if the rail is long enough, skip this step)

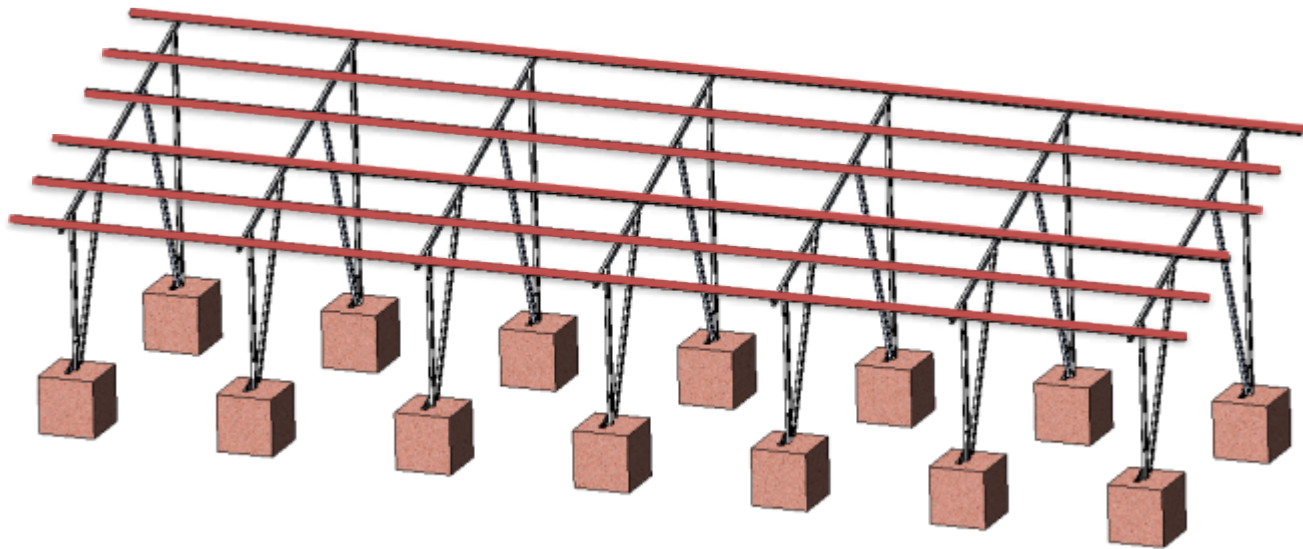
Firstly, insert the rail splice into the first rail, and lock both sides with two M10*30mm bolt assembly screws;

Next, insert the rail splice into the second rail and lock each side with two M10*30mm bolt assembly screws.

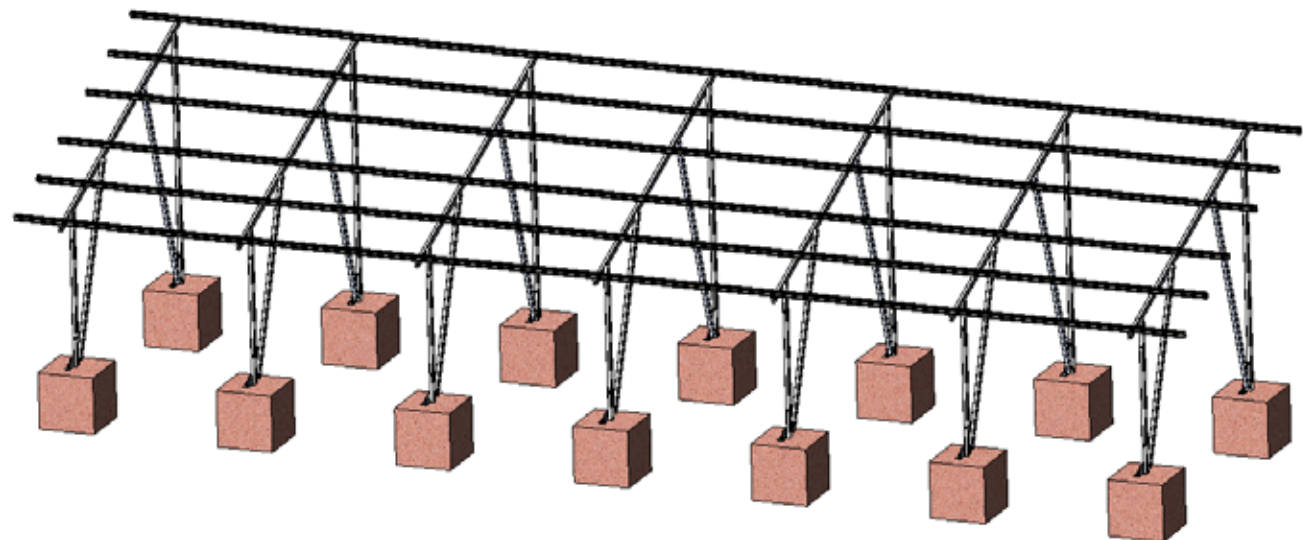


The end of each rail over the slopped beam should be flush. The distance of L3 should refer to the engineering drawing

The red circle is L3.

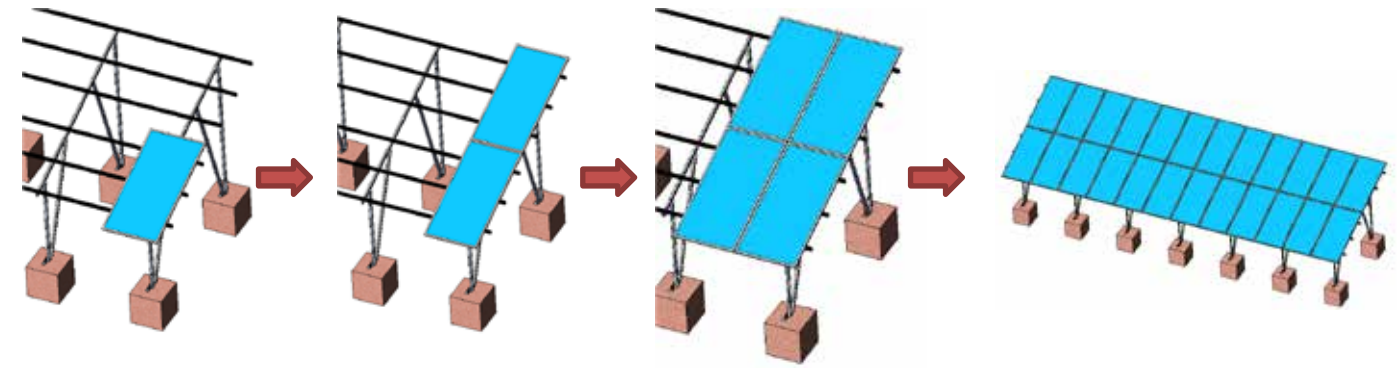


Note: During installation, the rail should be kept at the same level.

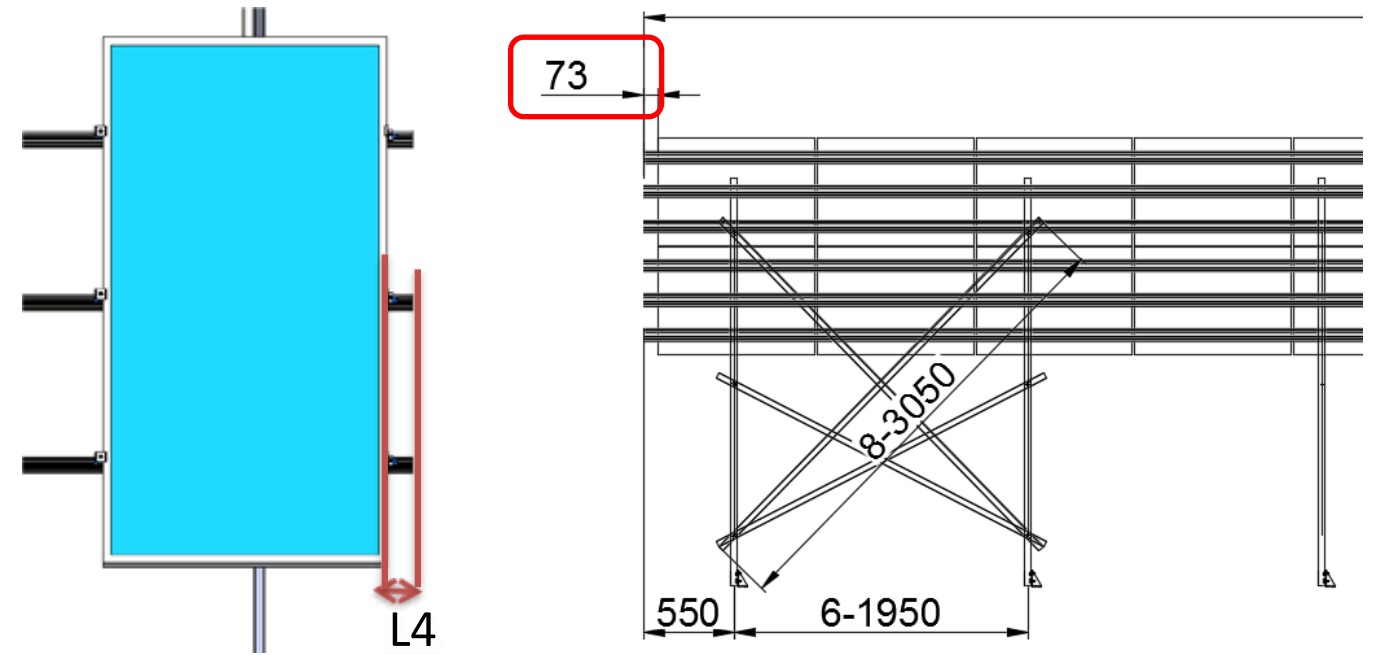


Rail Installation Finished.

STEP5 Solar panels Installation.

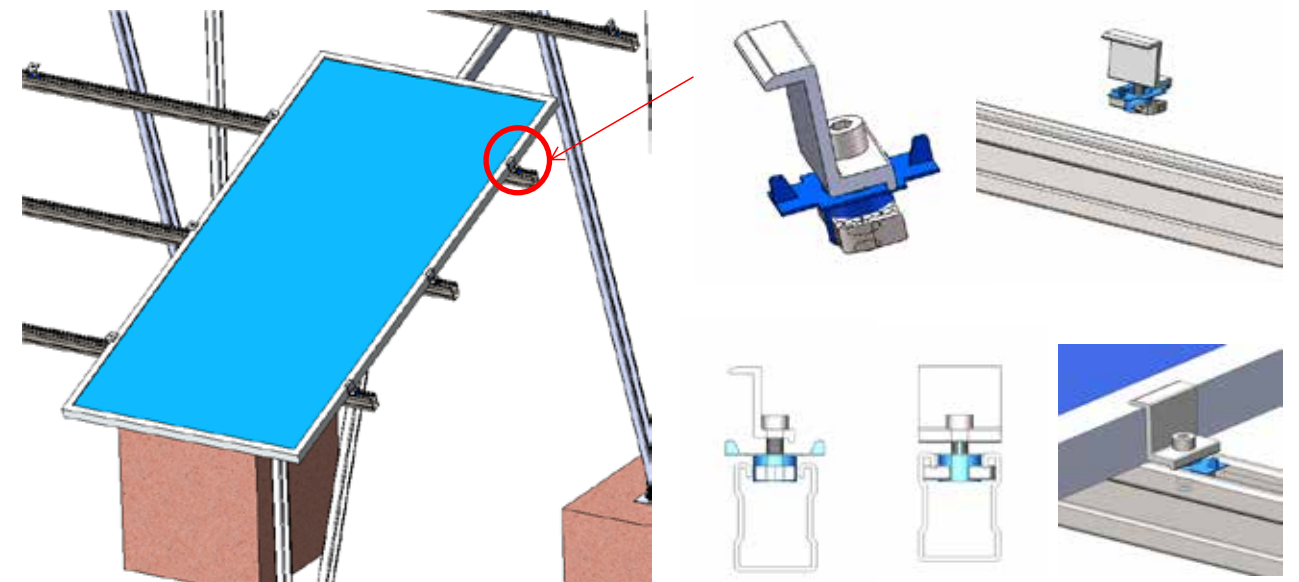


Install the solar panels on the rails in this order as shown in the picture.

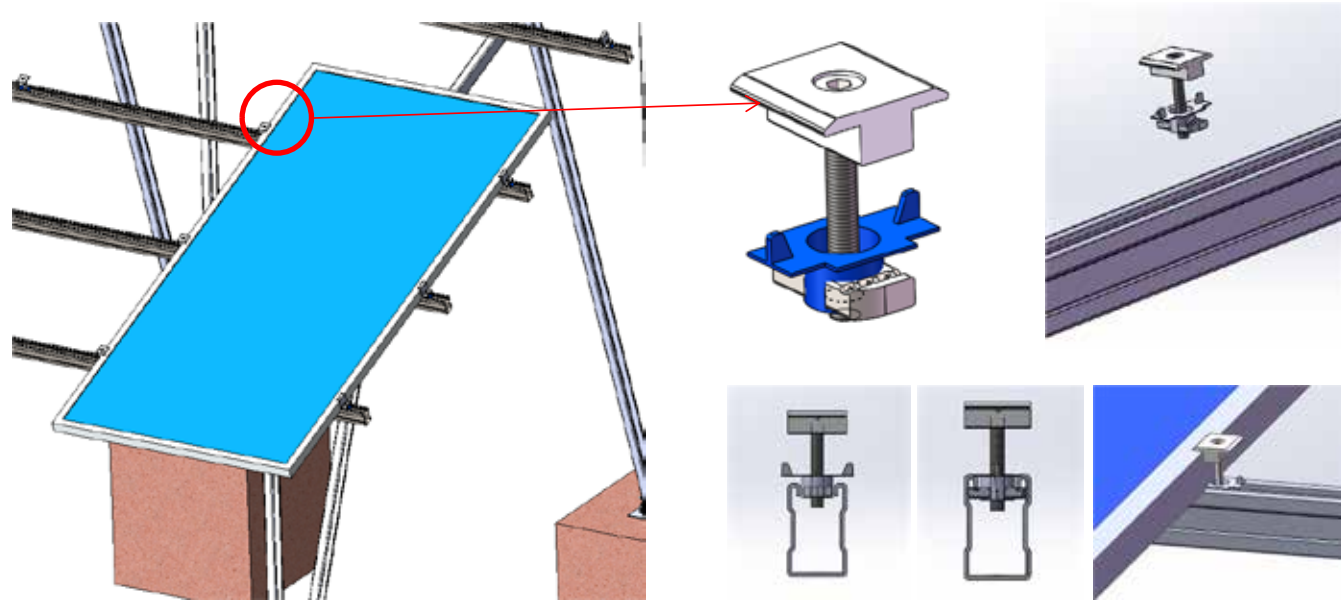


L4 is the distance from the end of the solar panel to the end of the rail.

The red circle is L4

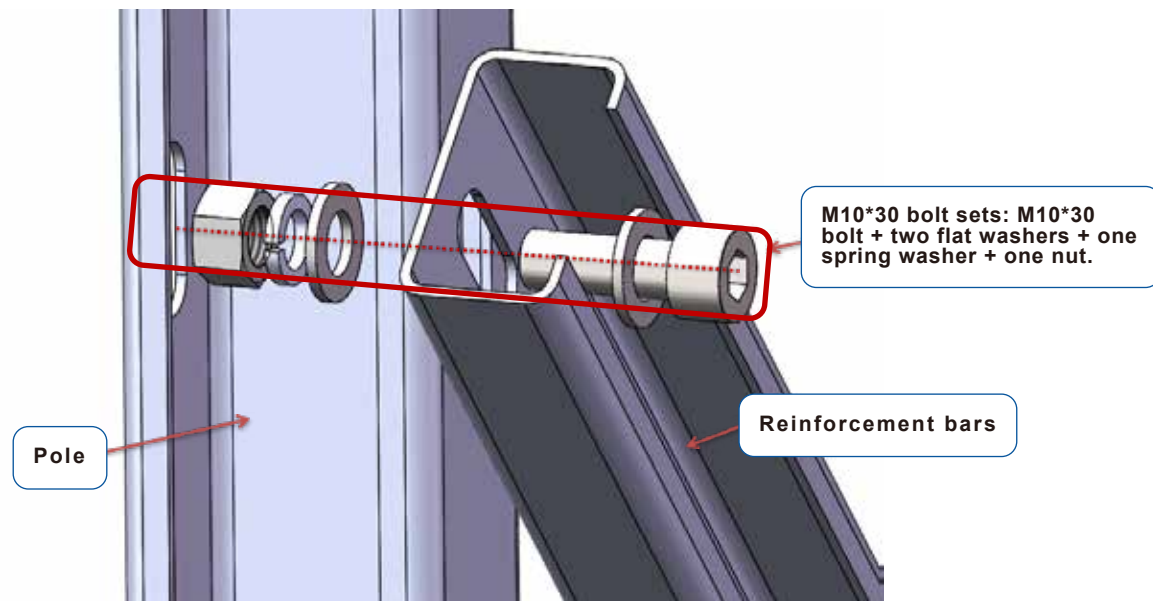


End clamp installation



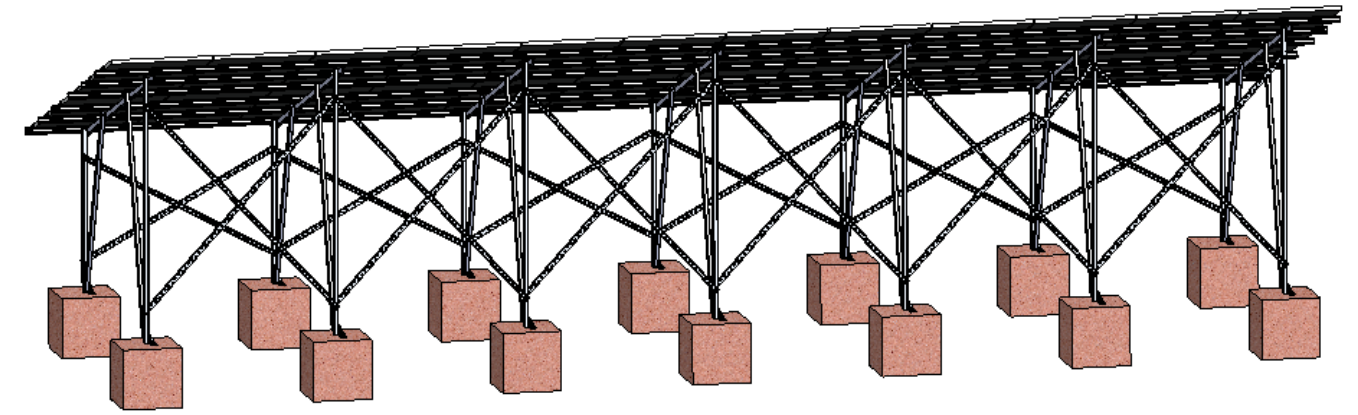
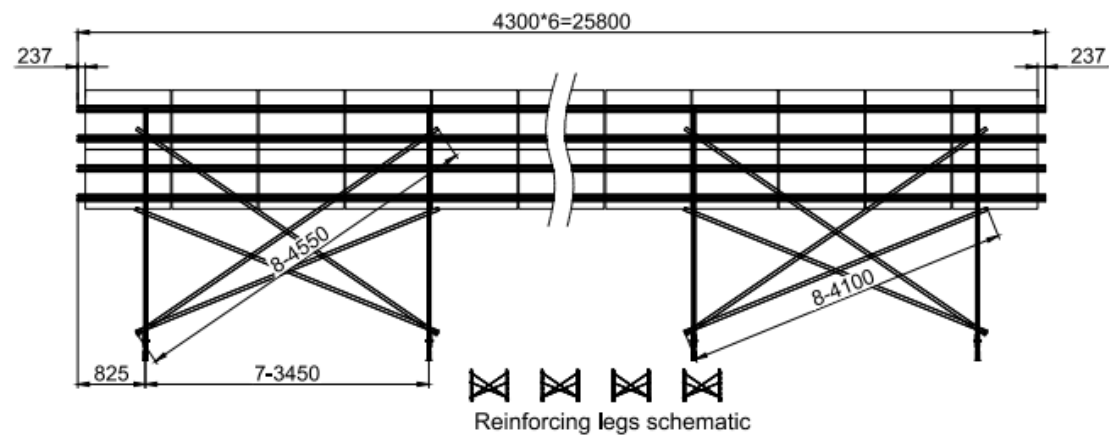
Mid clamp installation

STEP6 Reinforcement bars installation.



Reinforcement bars shall be installed on the front and rear legs.

Reinforcing legs schematic. The position of Reinforcing legs should be refer to engineering drawing.



Reinforcement bars installed photos.

STEP7 Installation Finished

