

FRONT LEG FOOT



Features:

1. Fast installation

the til-in T module can be put into the extruded rail from the any location and can be highly pre-assembled with the clamp and tilt leg to ensure a fast and easy Installation process.

2. Flexible application

With adjustable tilt angles from 10deg-60deg, this mounting system can easily tilt an ideal certain with rof, it provided excellent adaptability not only to a wide range of that roof PV mounting projects but also some sloped roof solar mounting projects

3. Economic

The mounting structure is a cost effective mounting solution. The quality of components can be required and sold according to project specific calculations. The various can be kept in stock to shorten time between planning and installation.

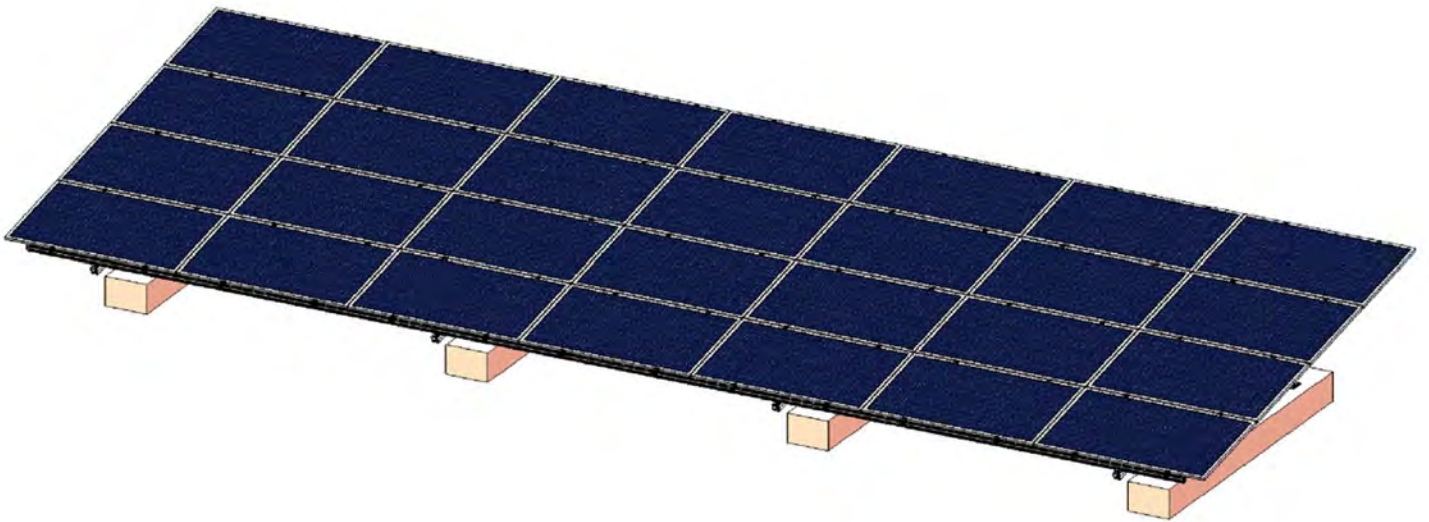
4. Long life span

All mounting structural components are made of high class stainless steel and anodized aluminum alloy their high resistance to corrosion and they are designed for 25 years of service life

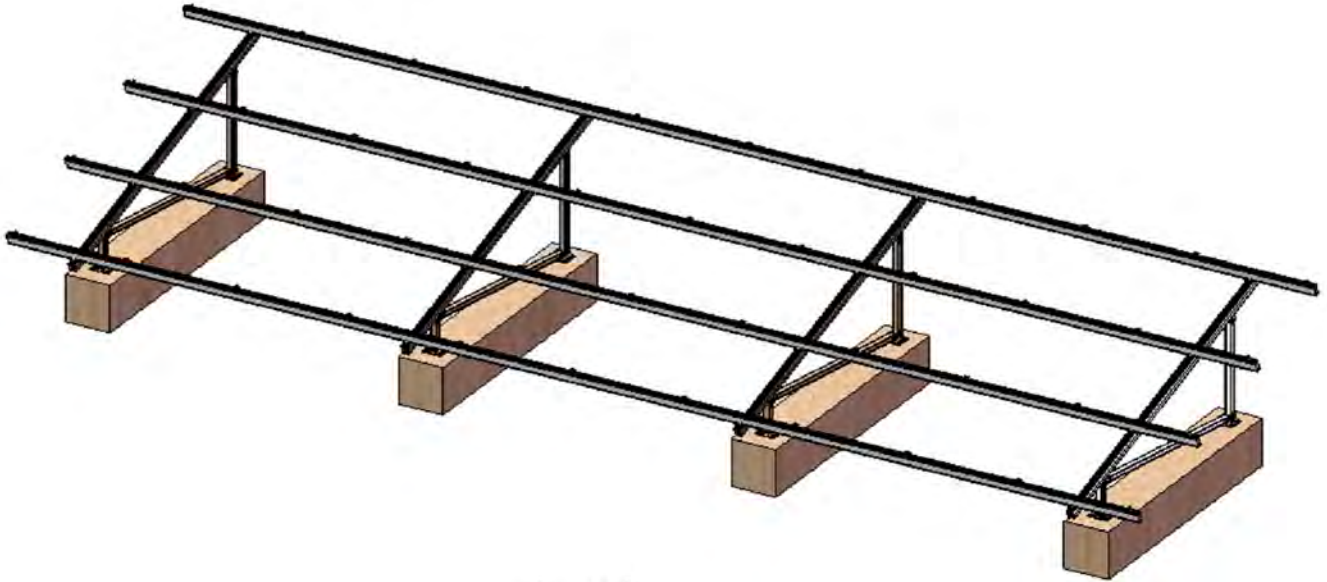
Material Specifications	
Material	Aluminum 6005-T5 & Stainless steel 304
Anticorrosive	Anodic aluminium oxide & Stainless steel
Allowed Angle	<60 degree
Wind Load	<60m/s
Snow Load	<1.5m
Installation site	Open field, Ground metal roof or flat concrete roof



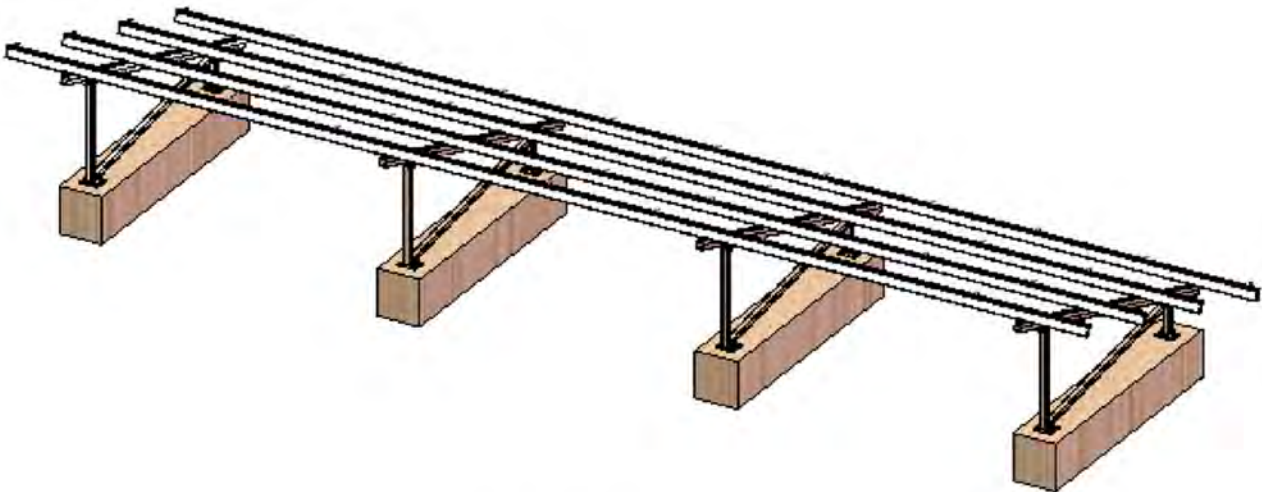
Solar Ground Mounting Structure Installation Guide



ST3F Overview



Front View



Back View

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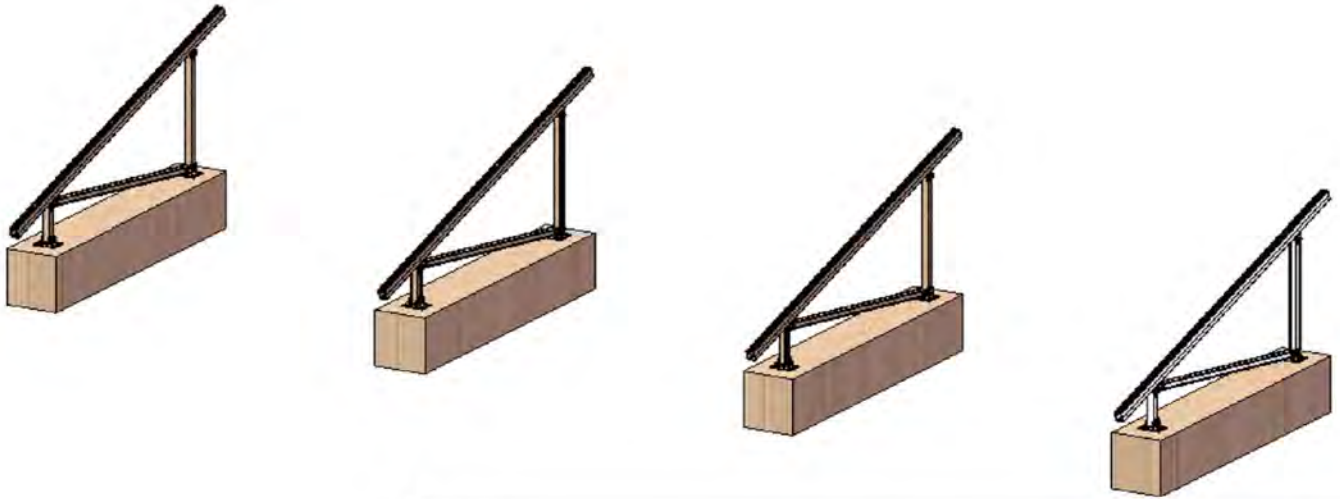
Components Table

Model Name	UI-R5	UI-R5-SP	UI-ST3F-FL/RL
Picture	 1	 2	 3
Model Name	UI-CLAMP-F	UI-EC	UI-IC
Picture	 4	 5	 6
Model Name	UI-ST3F-LA	UI-ST3F-FA	UI-ST3F-RACK
Picture	 7	 8	 9

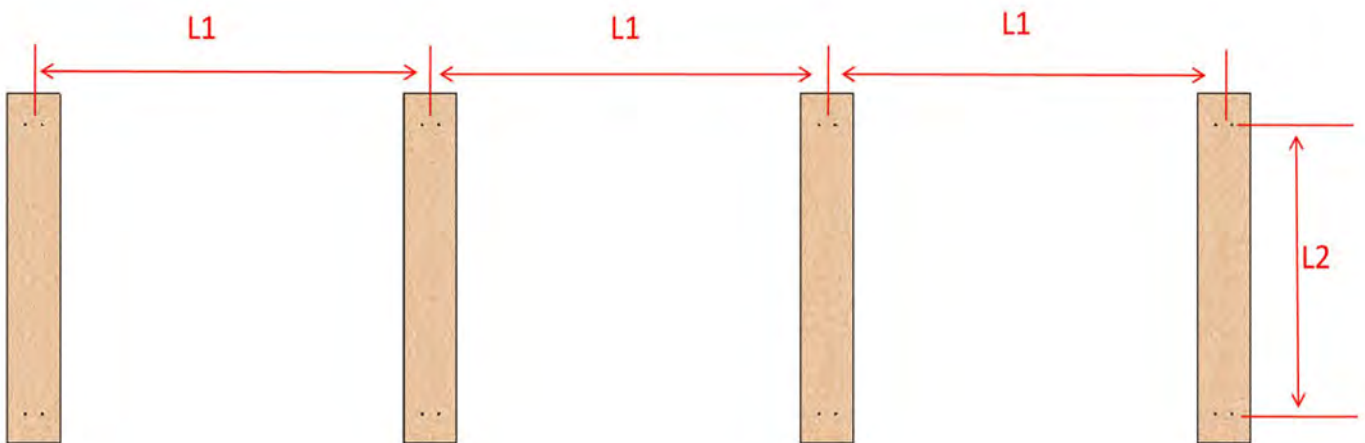
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1. Installation steps



1.1. Layout concrete base according to technical drawing

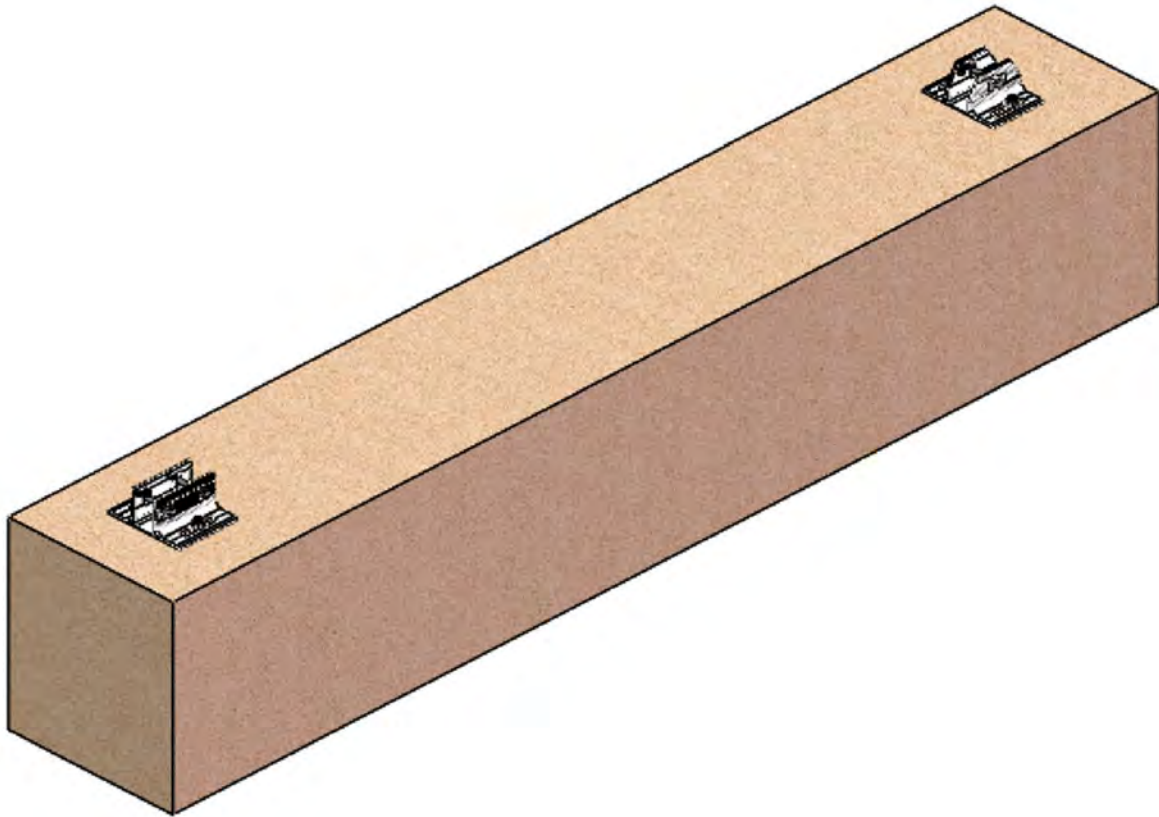
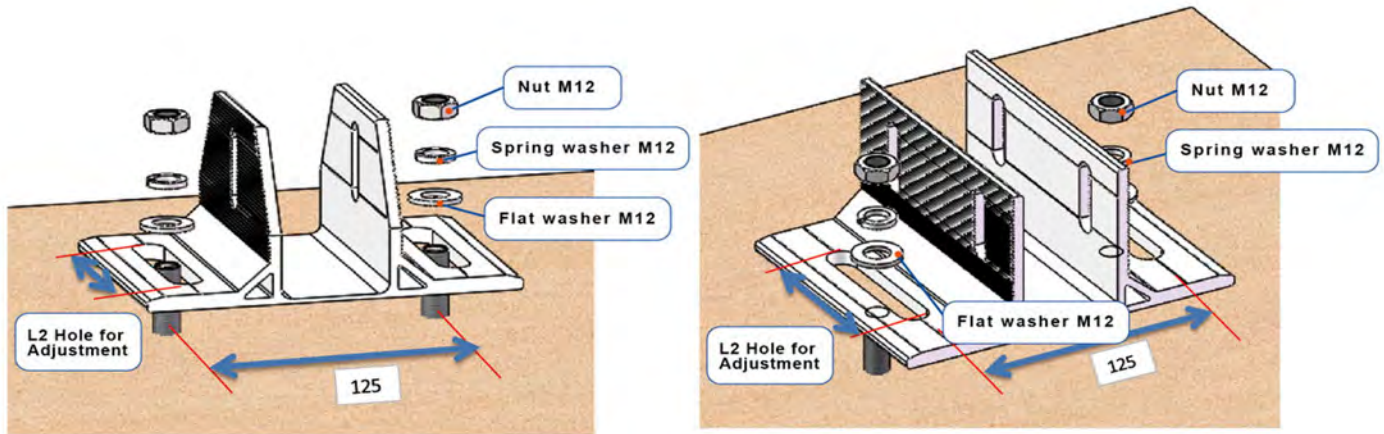


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1.2. Install Front and Rear Leg

NOTE:- The position can be adjusted according to hole L2.



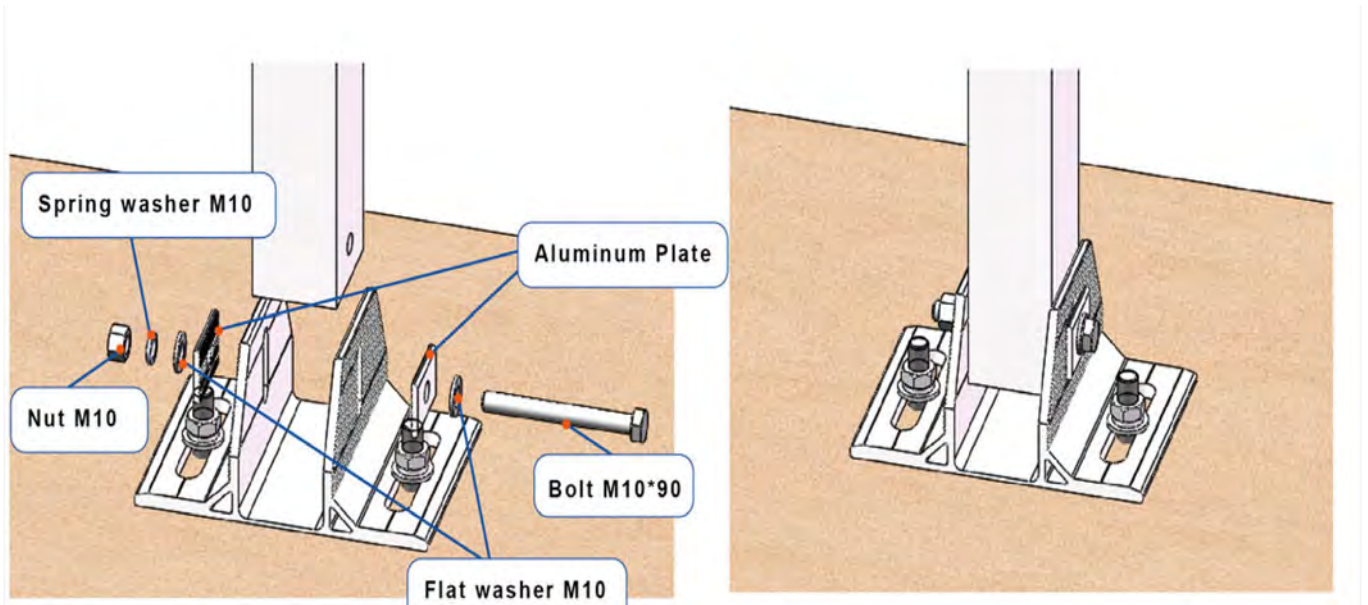
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1.3. Front Leg Installation

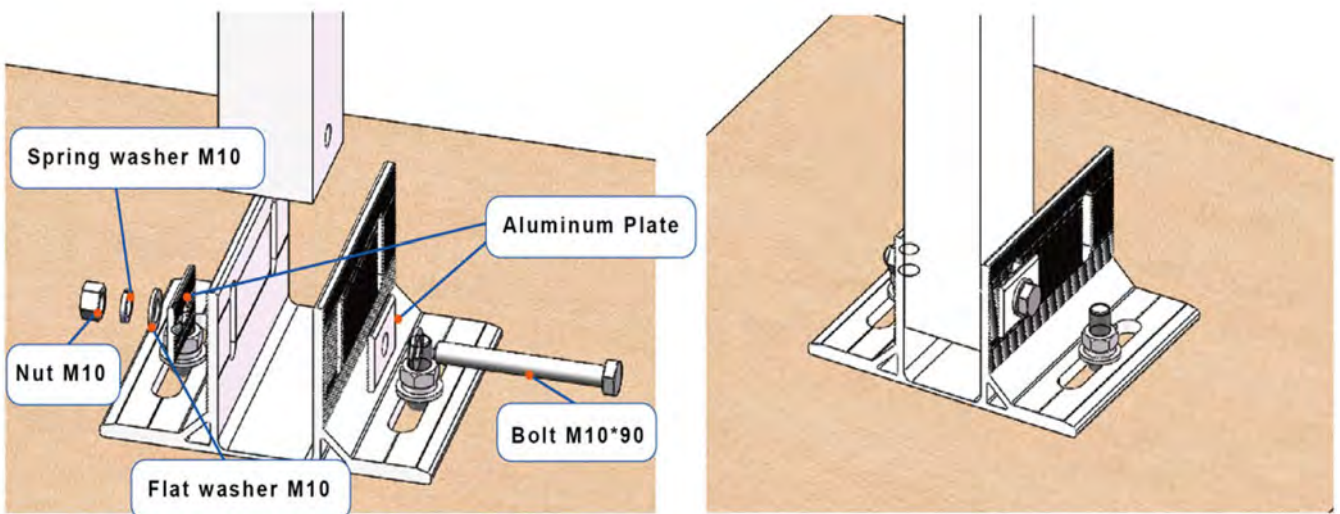
1.3.1: Front Leg Installation

NOTE:- Install the front leg on front base and fix it with bolts, but do not tighten it until the height adjustment finished in 1.3.4.



1.3.2: Rear Leg Installation

NOTE:- Install the rear leg on back base and fix it with bolts, but do not tighten it until the height adjustment finished in 1.3.4.

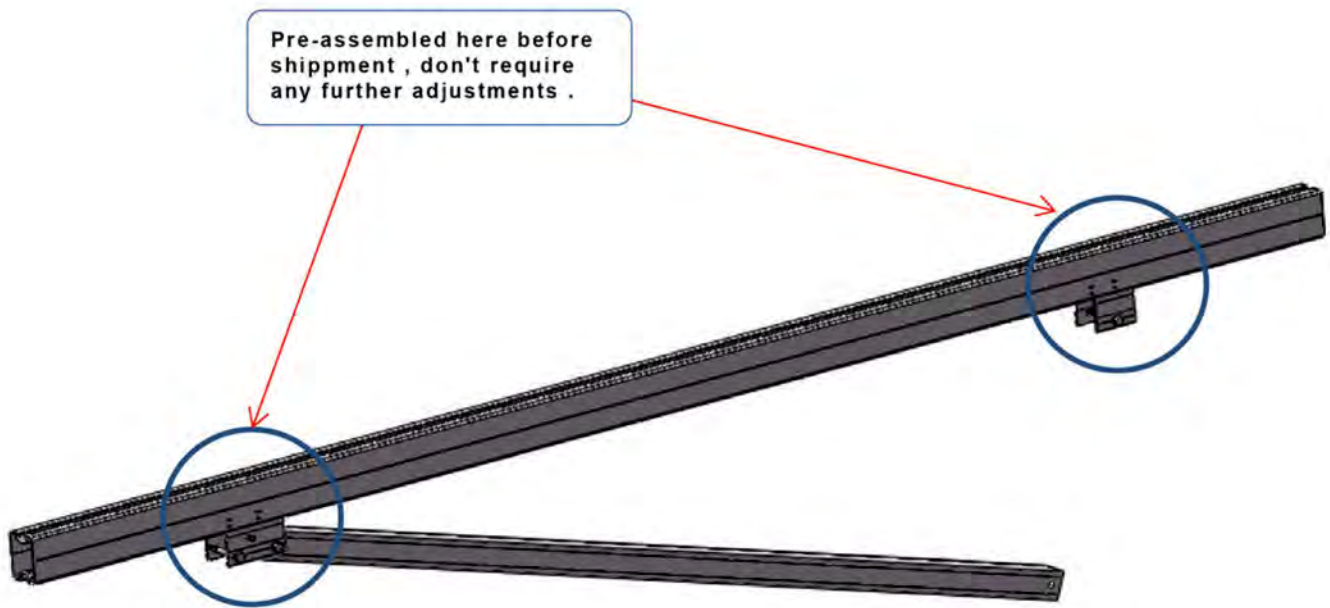


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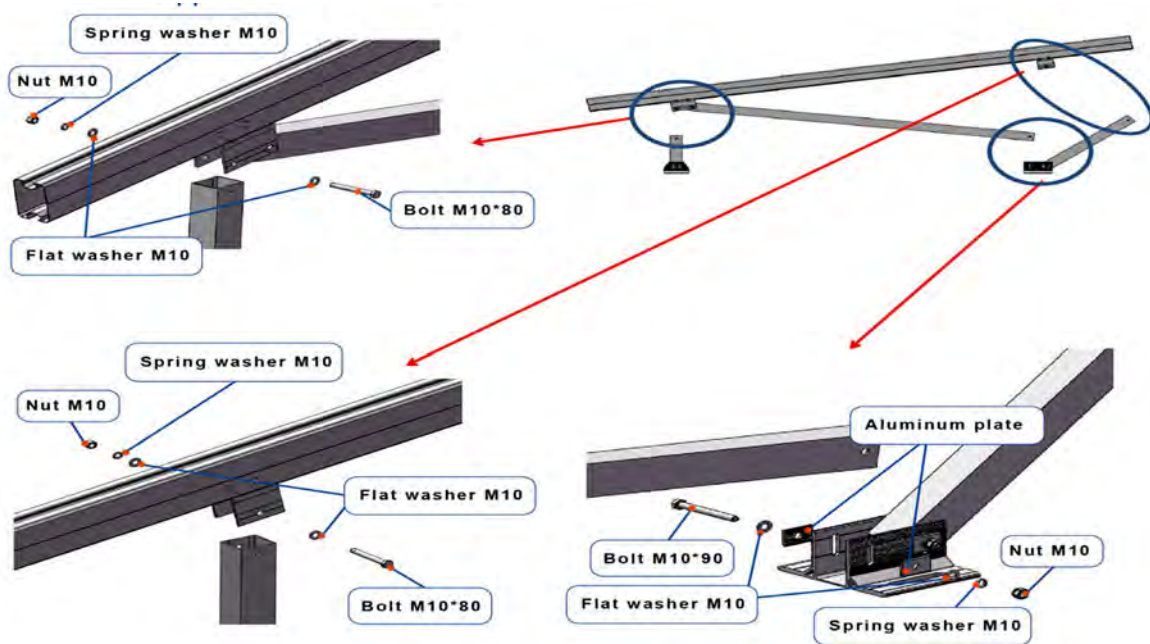


1.3.3: Support Rack Installation

NOTE:- Fix the support Rack to foot base and legs, but do not tighten the support rack and rear foot base until the height adjustment of 1.3.4 finished.



1.3.3.1: Support Rack Installation



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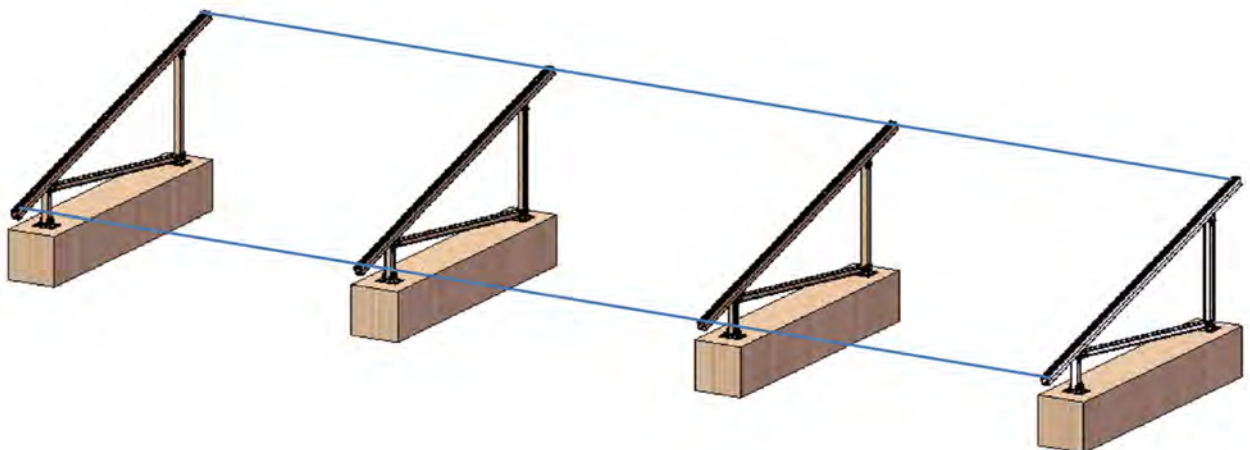


1.3.3.2: Support Rack installation finished



1.3.4: Do the adjustment to the support rack to meet the correct tilt angle

NOTE:- Do adjust to the support rack to make it meet the correct tilt angle and keep all the rack on the same level with the slot hole on foot base and then fix all the bolts tightly



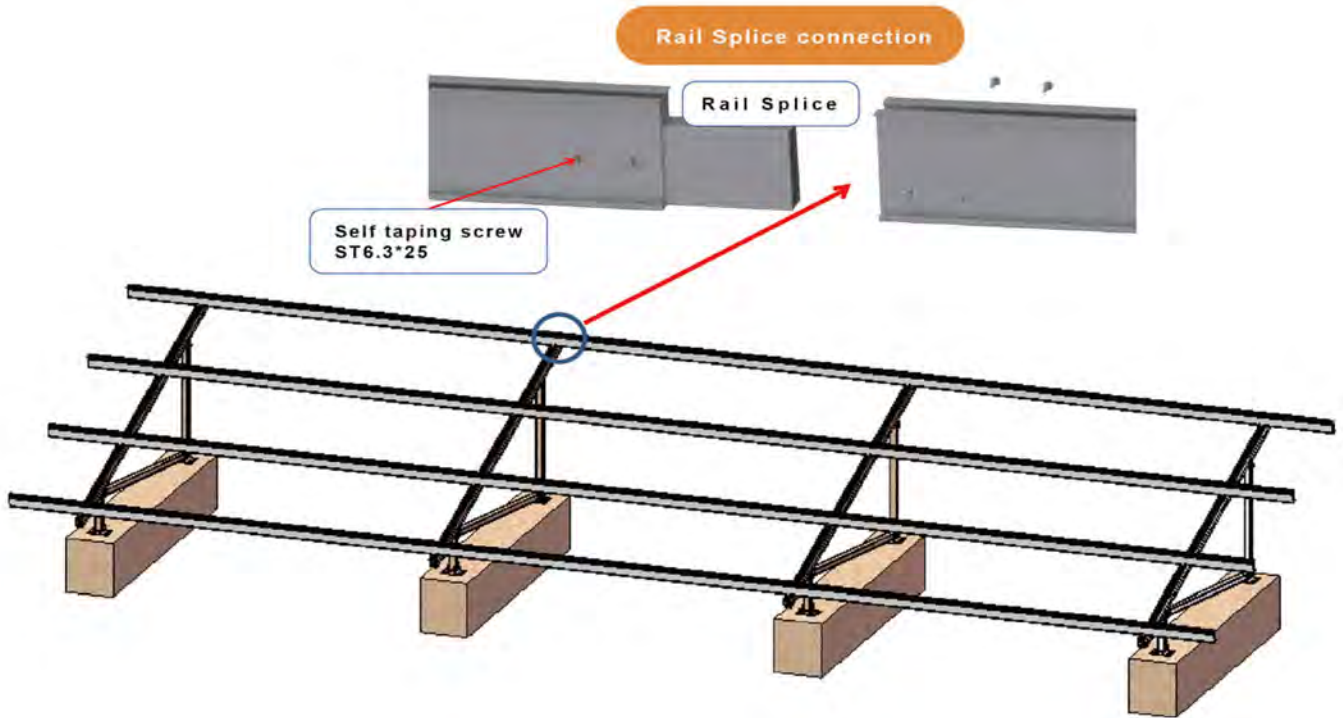
NOTE:- Step 1.3.3 and 1.3.4 should be done at the same time .

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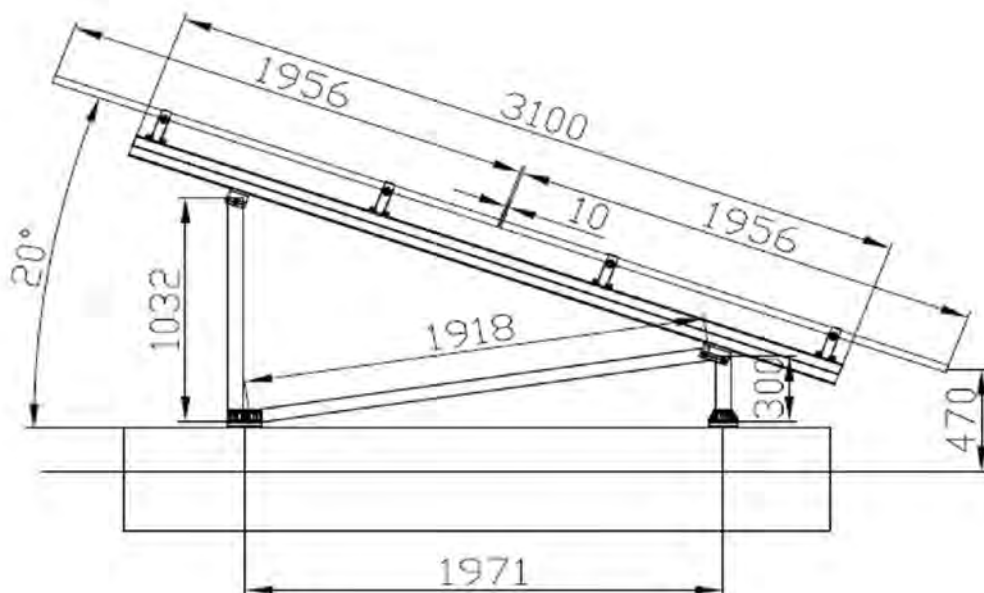


2. Rail Installation

Fix rails to the support rack by UI-Clamp



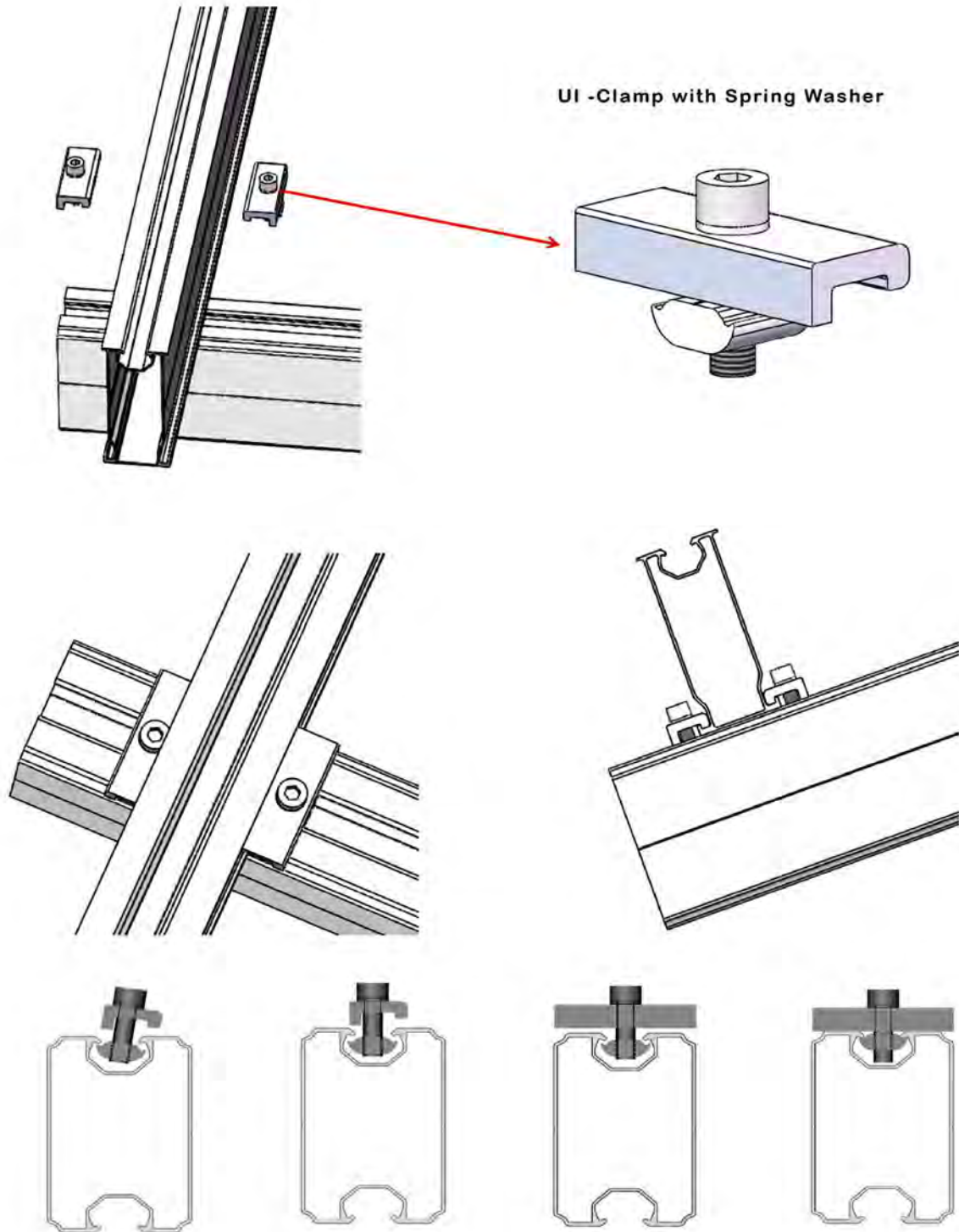
NOTE:- 2.1. Install rails from lower side to higher according to technical drawing. (Take 1956 x 990 solar panel forexample).



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2.2: UI - Clamp with Spring Washer.



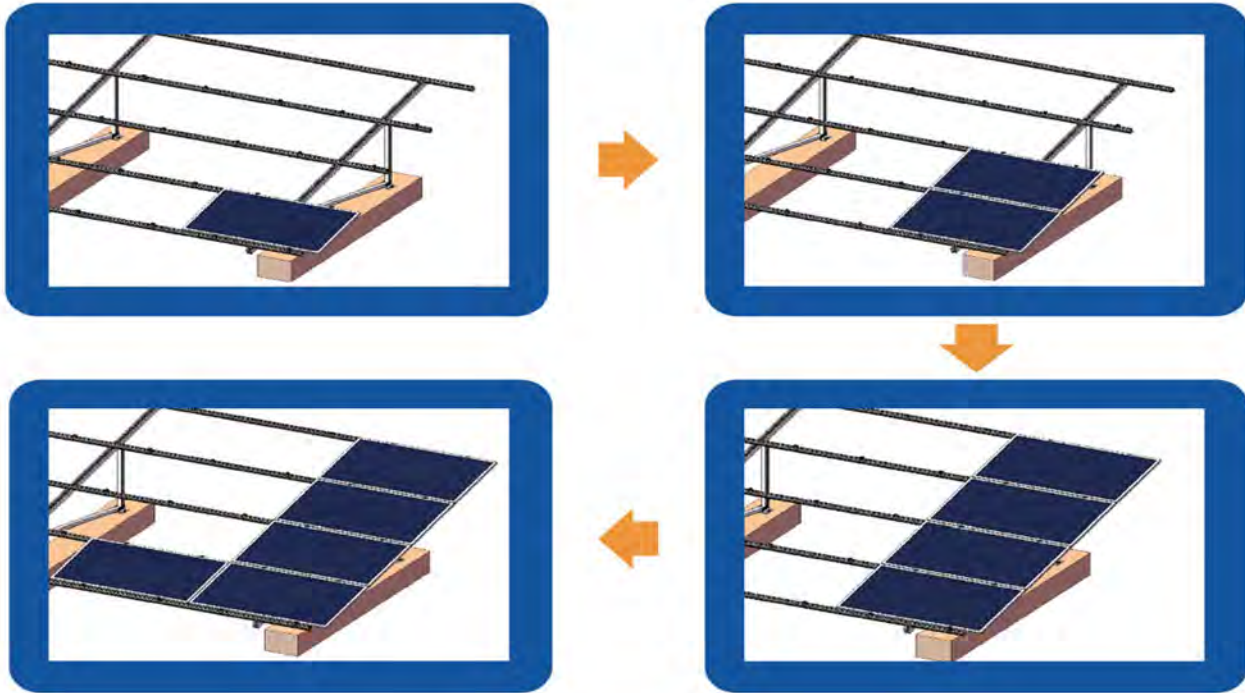
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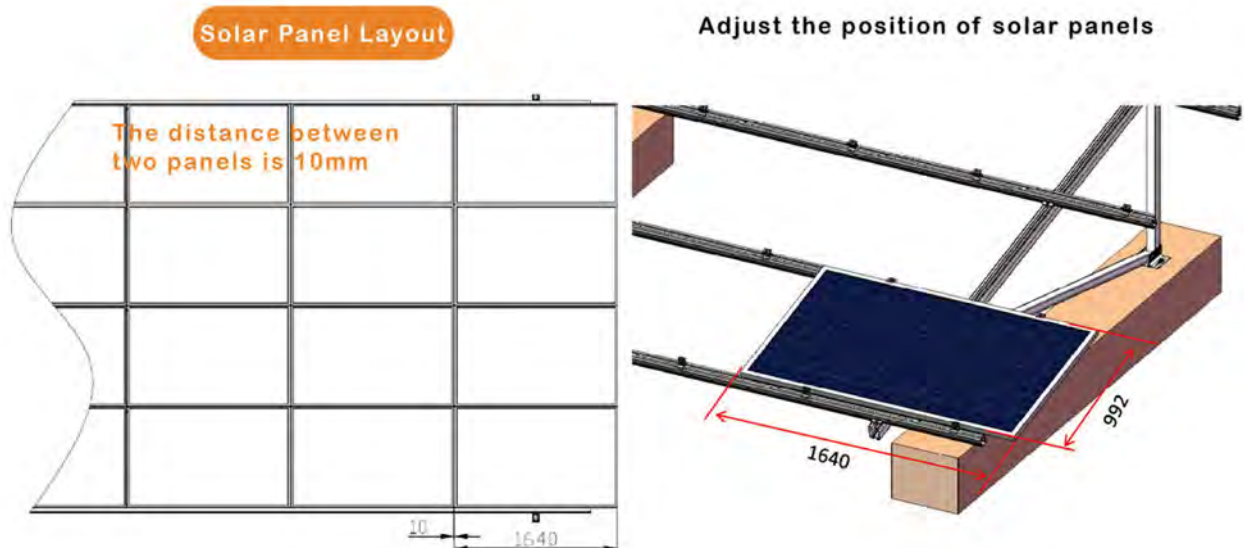
3. Solar Panel Installation

3.1: Solar Panel Layout

NOTE:- 3.11 Install solar panel from lower side to higher.



NOTE:- 3.12 Solar panel layout according to following drawing. (Take 1640 x 992 solar panel for example)

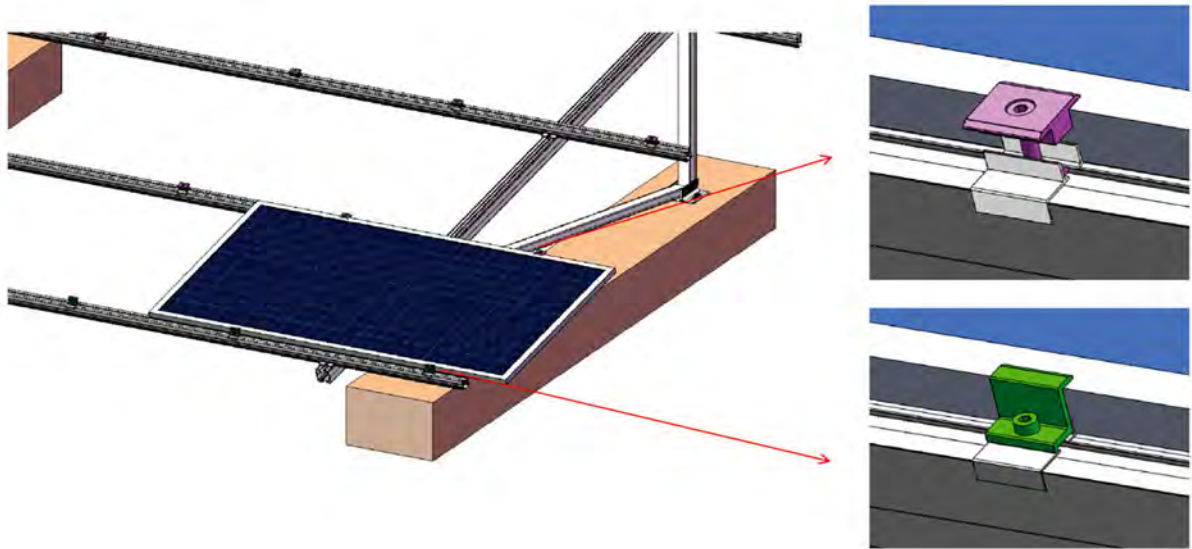


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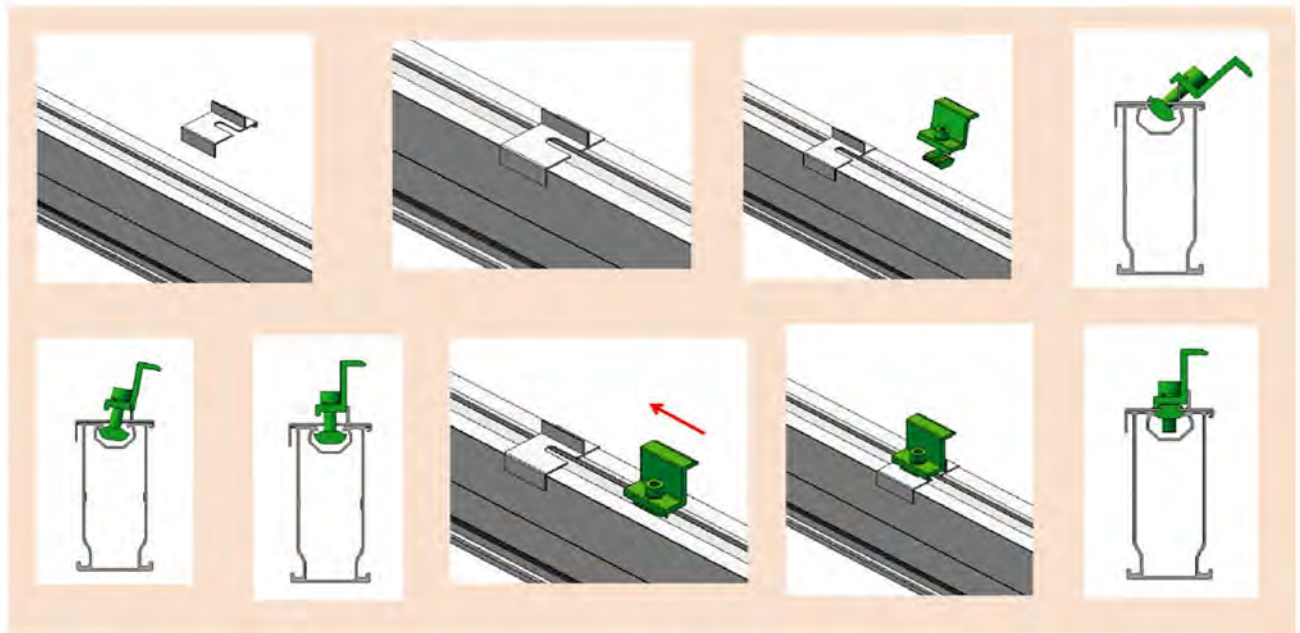


3.2: Clamp Installation

NOTE:- Install clamps according to above solar panel layout .



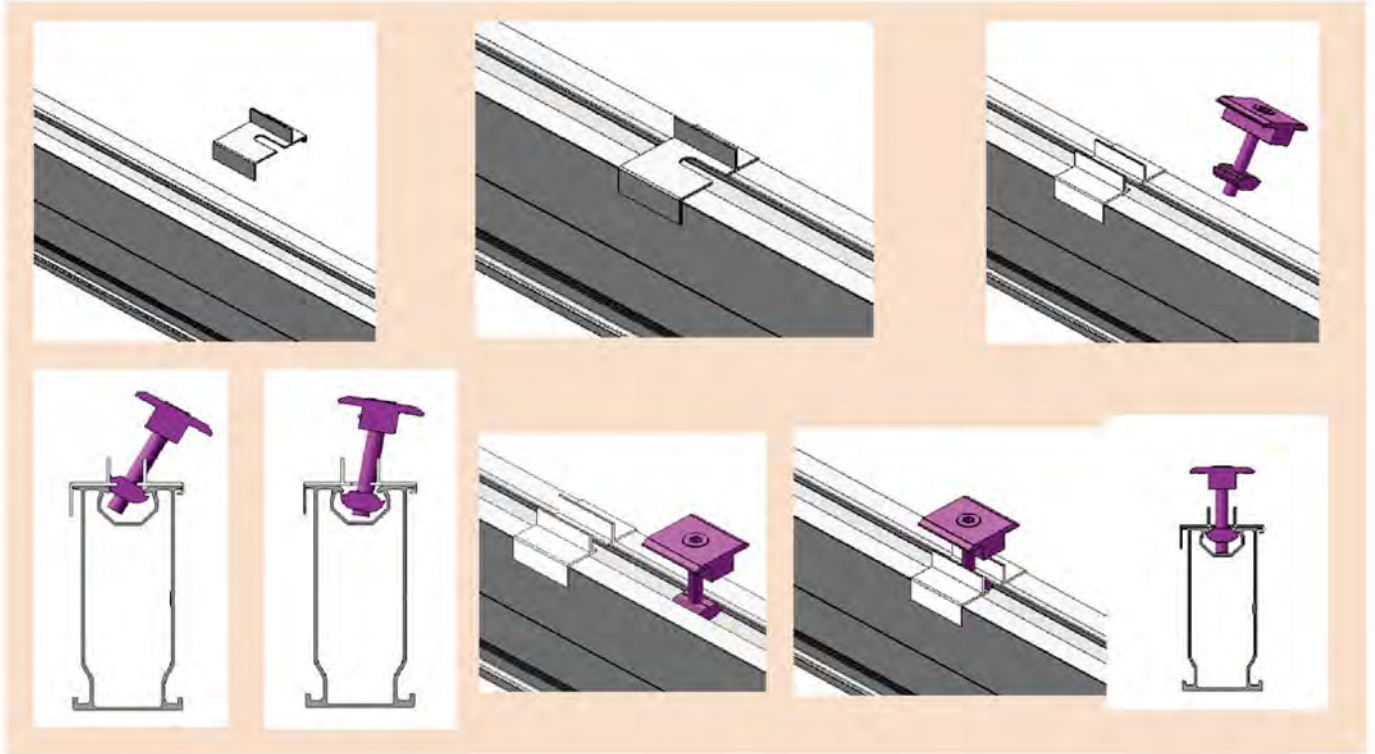
3.2.1: End Clamp Details .



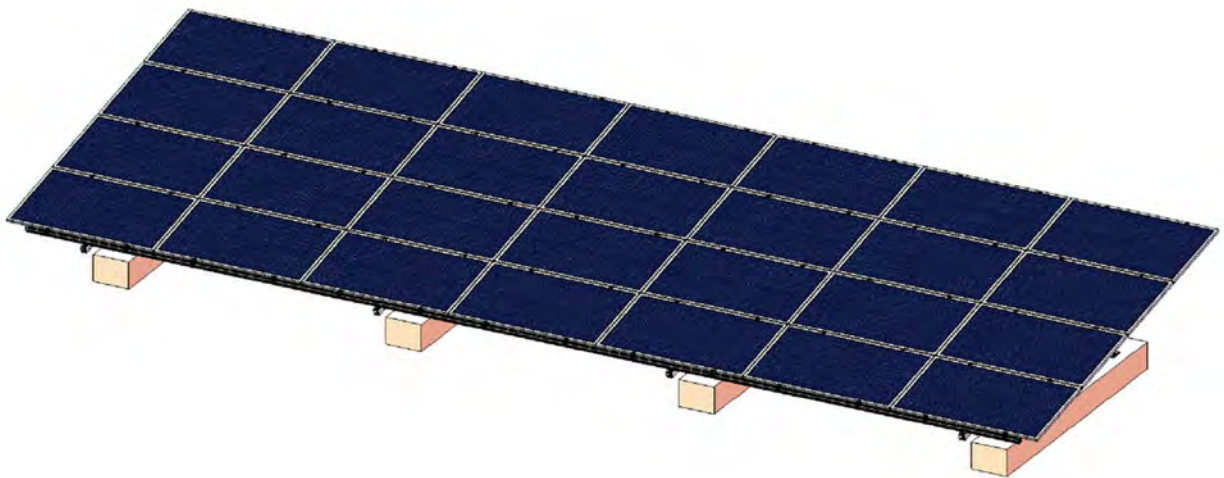
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NOTE:- 3.22: Mid Clamp Details .



4. Installation Finished



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