EN / 12.23 / V.1

isotec

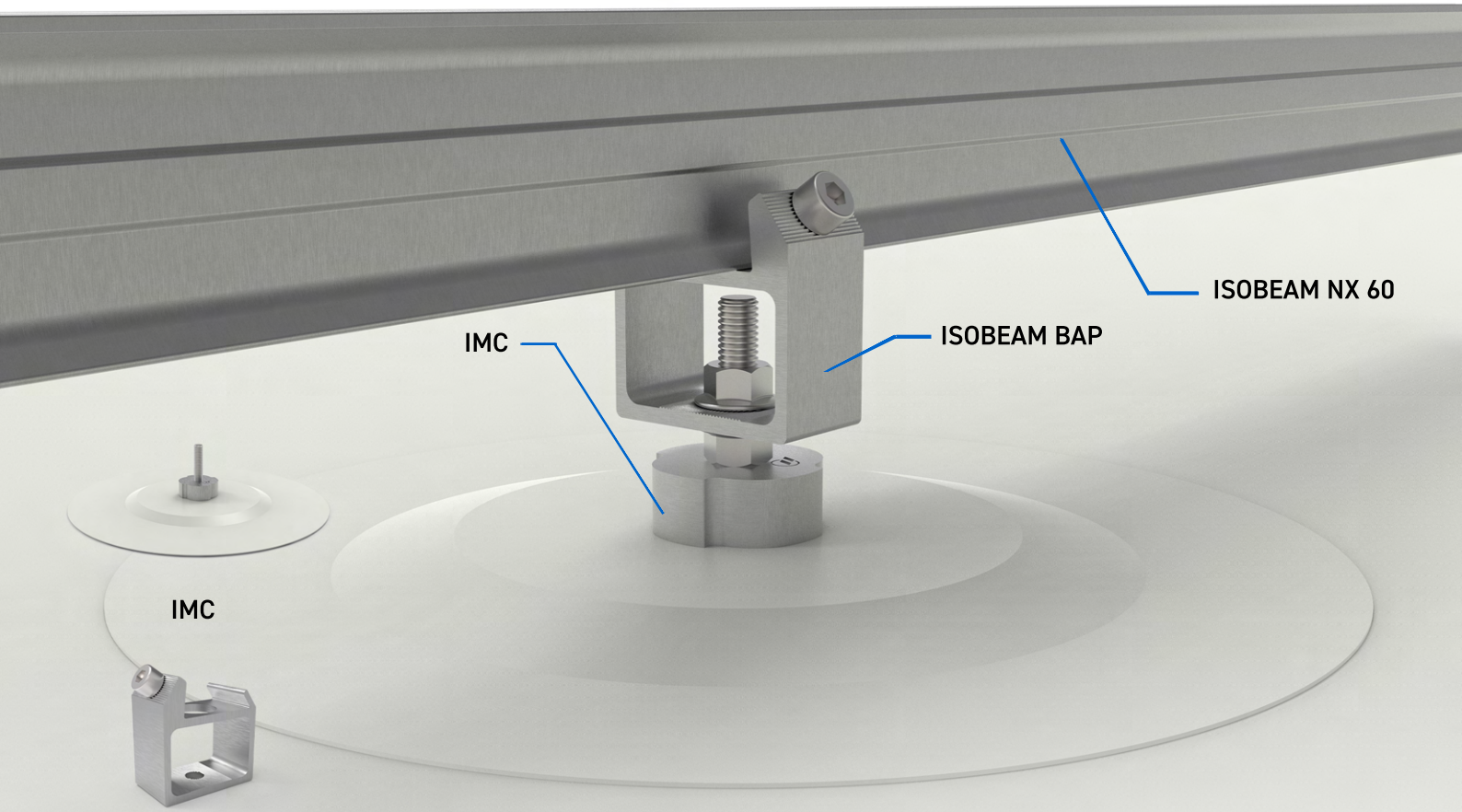
SOLAR MOUNTING SYSTEMS

I M C

Application parallel to the roof

- Applicability on various membrane roofs (PVC/TPO ..)
- Applicability on flat and sloped roofs
- High resistance against tensile loads
- Optimal solution for flat roofs with insufficient reserve load for ballasting

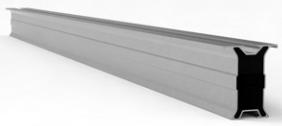
TECHNICAL DATA



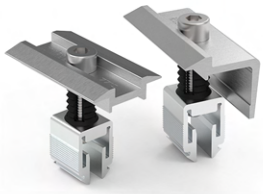
IMC

ISOBEAM BAP

ISOBEAM Connector



ISOBEAM NX 60



Easyclamp Middle
EasyClamp End

Scope of application	Membrane Roofs
Compatible PV Module	L : 1.500 mm - 2.384 mm
	W : 990 mm - 1.330 mm
	H : 30 mm - 45 mm
Fixation	IMC
Materials	Profile, clamp : Aluminum 6063 - T66
	Seal : EPDM
	Fasteners : Stainless A2 - 70 & Bimetal

REQUIRED TOOLS

Tape Measure

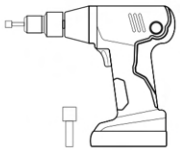
It is used to apply and control the dimensions specified in the assembly manual.

Marking

Necessary to mark the specified dimensions.

Cleaner

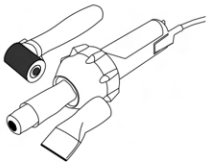
Before the product application is carried out, the marked floor should be cleaned according to the cleaning method recommended by the membrane manufacturer .



Electric Screwdriver

It is used to perform the assembly of the screws used in the system. Bit needed :

- TX25



Heater and Roller

Necessary to adhere the membrane cover of the product to the existing roof.

SAFETY EQUIPMENT

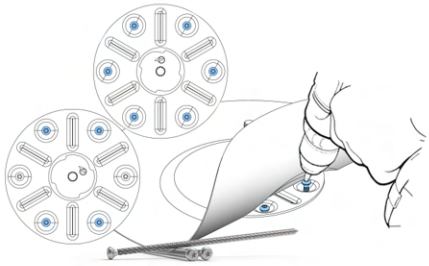
- Protective Gloves
- Earmuffs / Earplugs
- Helmet
- Safety Shoes
- Goggle
- Mask
- Protective Clothing

ASSEMBLY

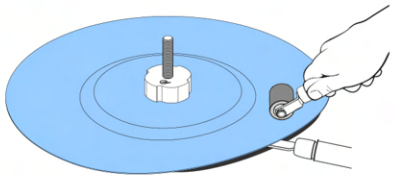
1. Determine the location for placing the IMC, clean the surface to be suitable for membrane adhesion, place the IMC at the location.

The products should not be used in areas prone to water pooling. If the product is submerged in water, it will be outside the scope of the warranty.

Ensure that multiple IMCs are aligned at the same level when using more than one.



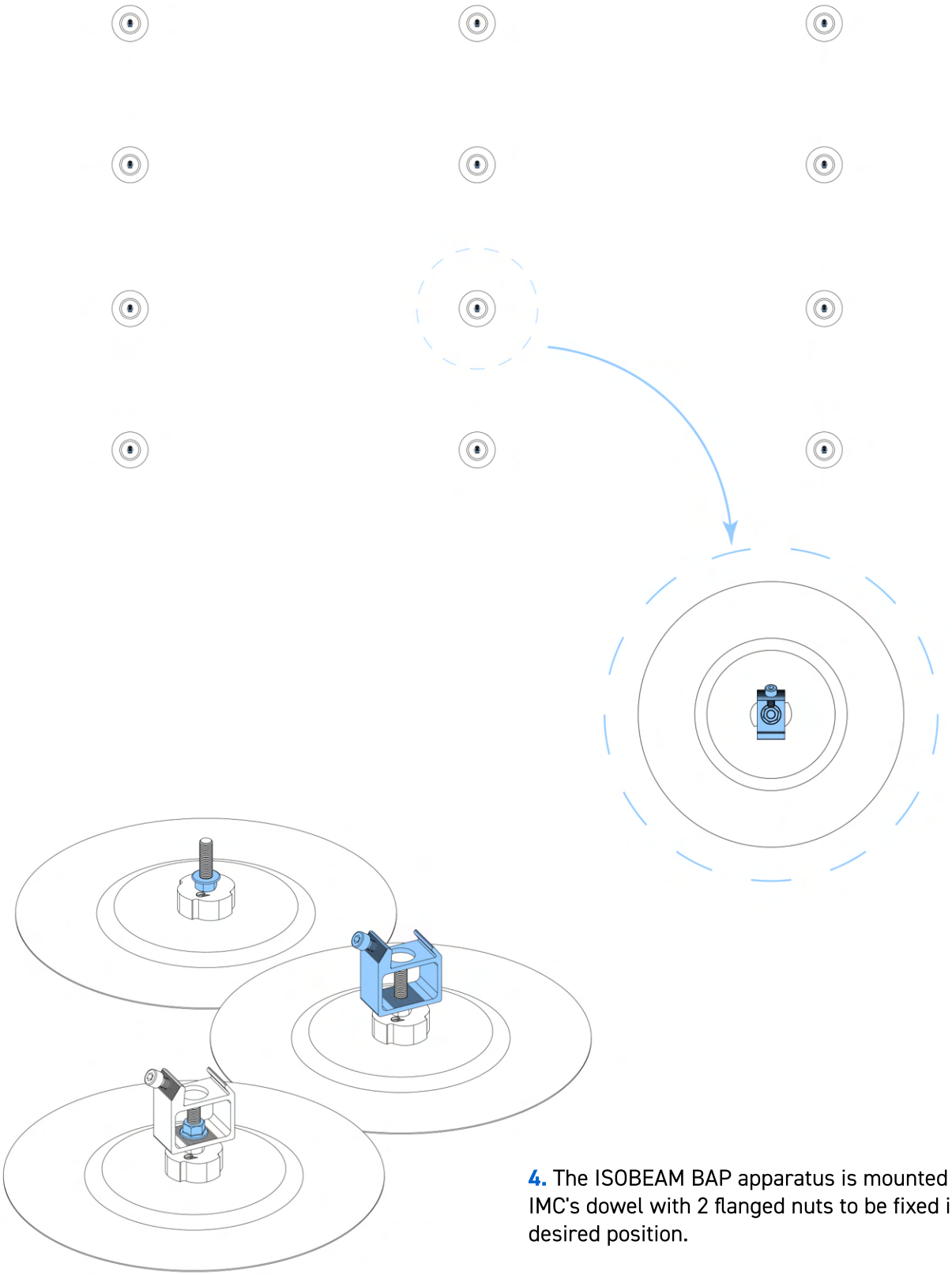
2. After positioning the product, the membrane cover on it should be folded and the product should be screwed with the specified screws in the project. As a standard, there are 4 screws, and this number can be increased to 6 depending on the need.
The screwing arrangement should be as indicated in the visual.



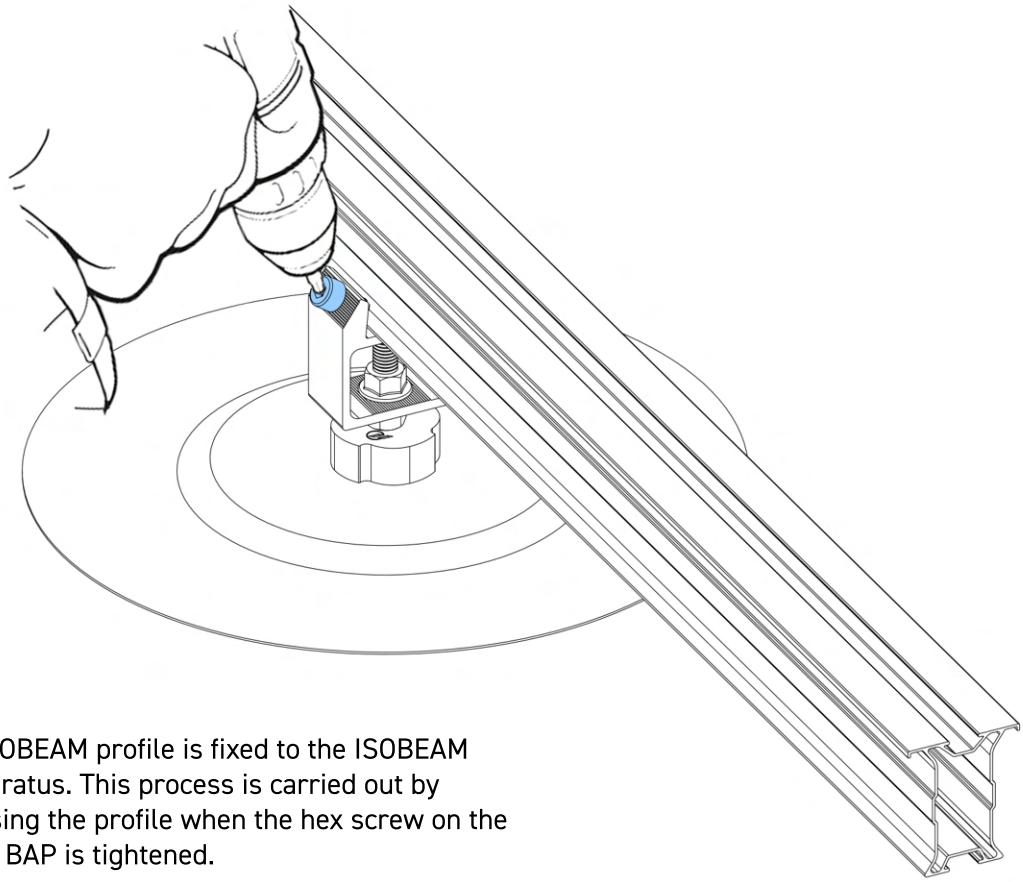
3. Waterproofing is achieved by adhering the PVC/TPO membrane cover to the roof surface. The application must comply with the membrane manufacturer's installation instructions. It is the responsability of the installer to ensure that the membrane seal is waterproof.

After the installation of the IMC on the roof is completed, the assembly of solar mounting system is carried out.

ASSEMBLY

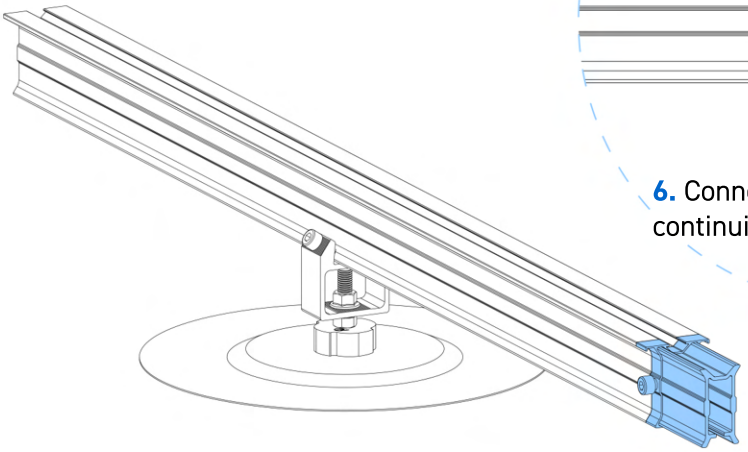


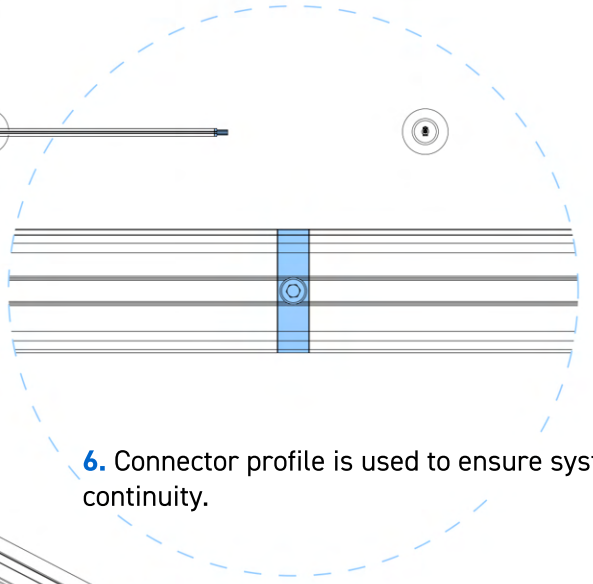
4. The ISOBEAM BAP apparatus is mounted on the IMC's dowel with 2 flanged nuts to be fixed in the desired position.



5. The ISOBEAM profile is fixed to the ISOBEAM BAP apparatus. This process is carried out by compressing the profile when the hex screw on the ISOBEAM BAP is tightened.

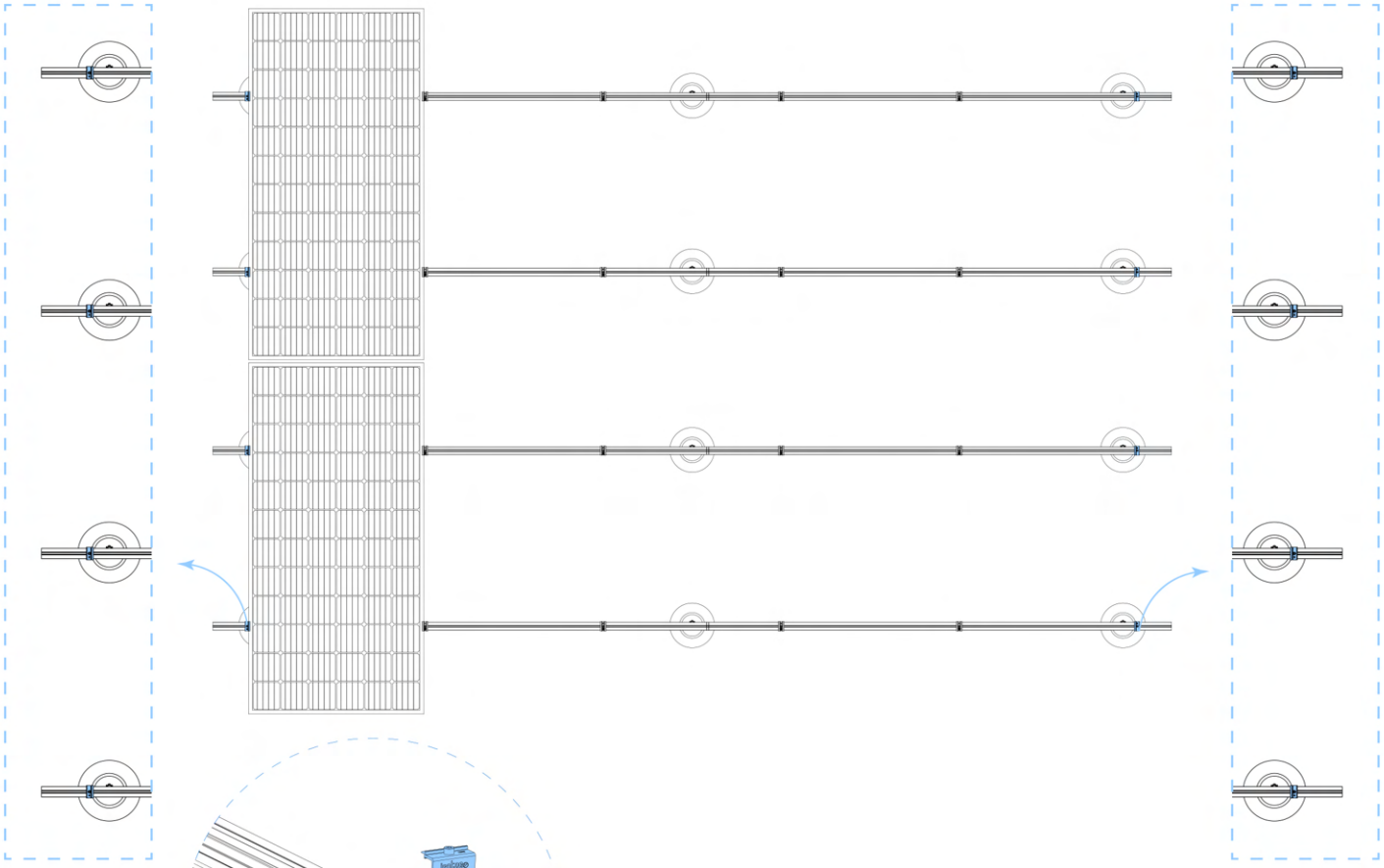
ASSEMBLY

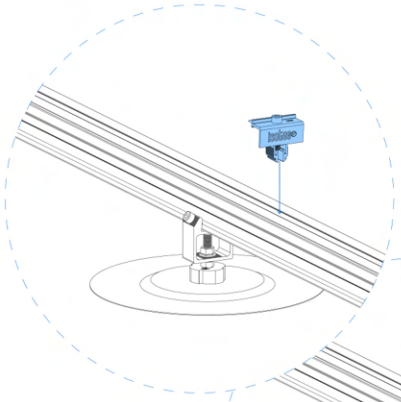




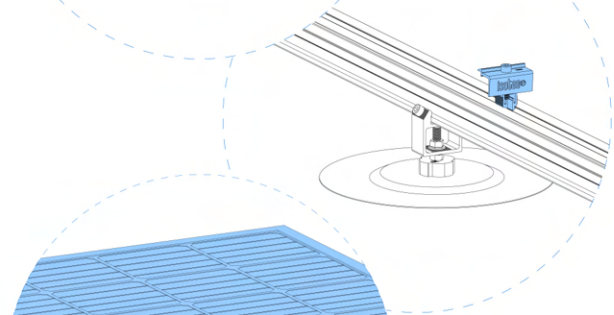
6. Connector profile is used to ensure system continuity.

ASSEMBLY

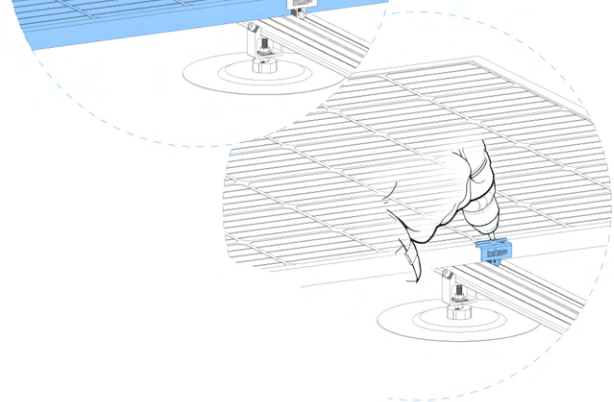




7. EasyClamp End is used to mount pv modules to the system. EasyClamp End is placed into the channel of the ISOBEAM profile.

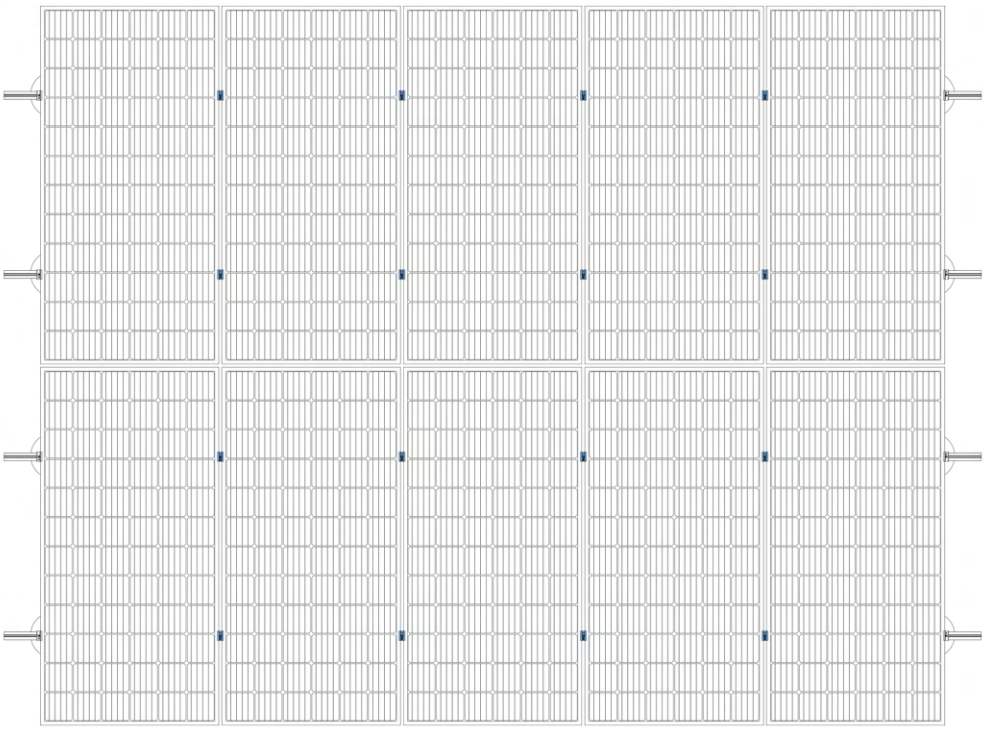


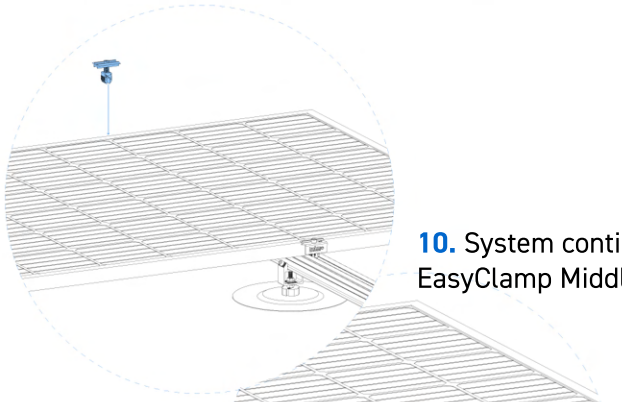
8. The pv module is installed onto the system and then tightened to secure it using EasyClamp End.



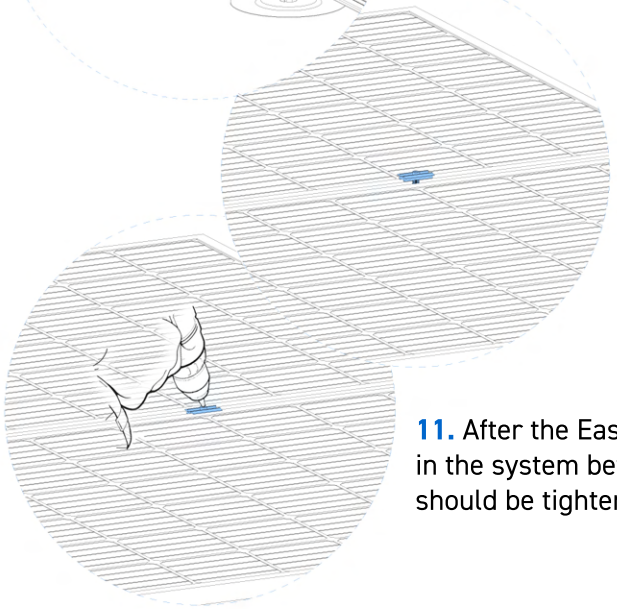
9. Preparation is made by adding EasyClamp Middle apparatus between the two panels.

ASSEMBLY





10. System continuity is ensured by using EasyClamp Middle between the two pv modules.



11. After the EasyClamp Middle apparatus is placed in the system between the two pv modules, it should be tightened to secure them.

Thus, the system is completed.