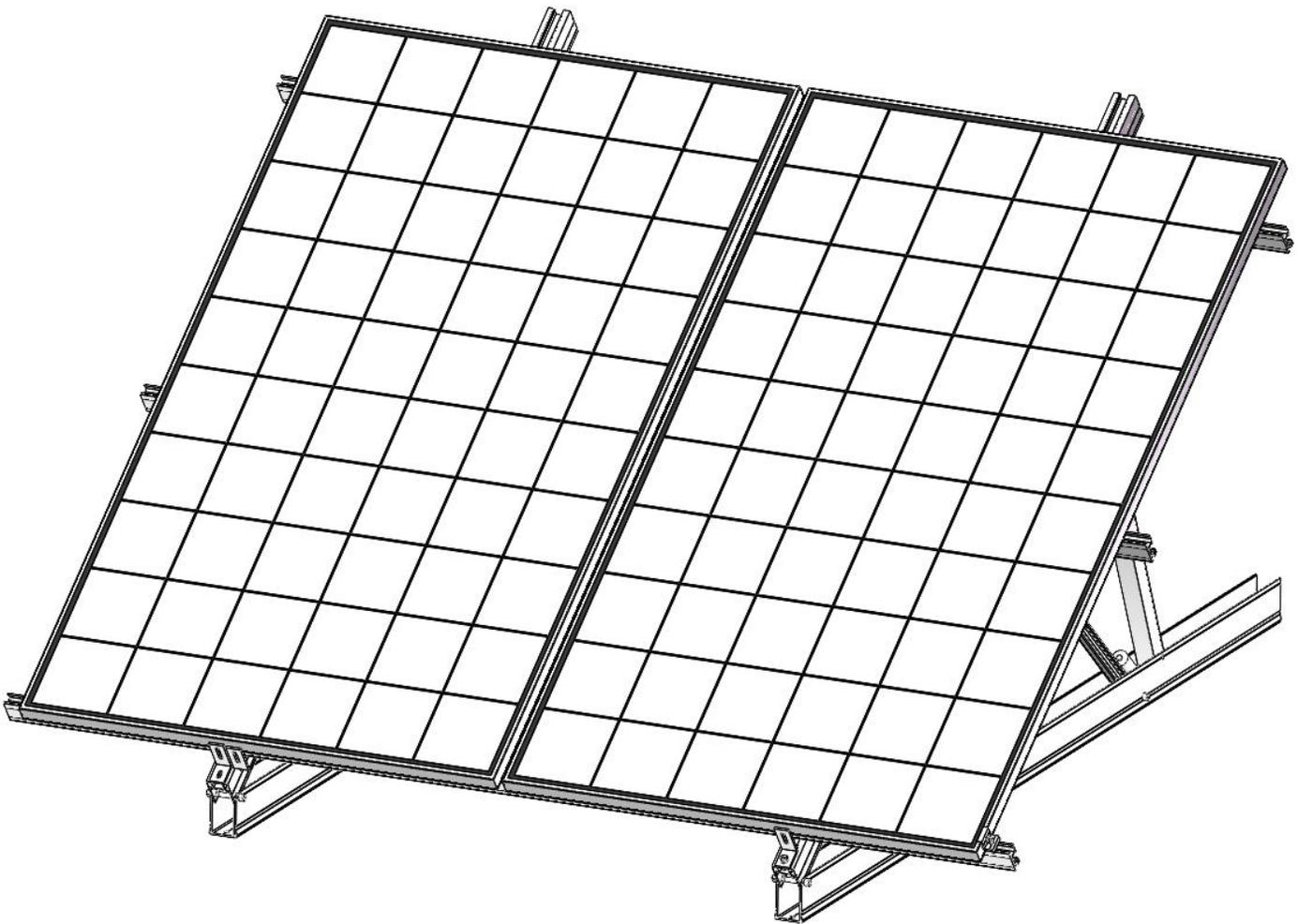


# ContrackA+B/C

## Container Solar Racking

### Installation Manual

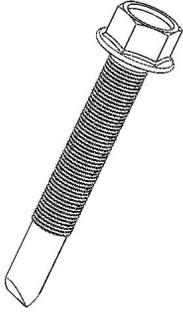


ELIOS

<https://solarelios.com>

## Components List:

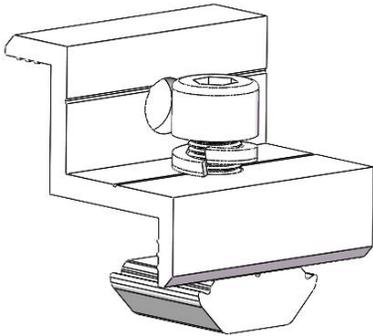
Tapping Screw  
ST5.5x38mm



M10\*70mm Bolt



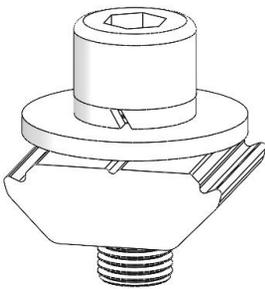
30/35mm End Clamp



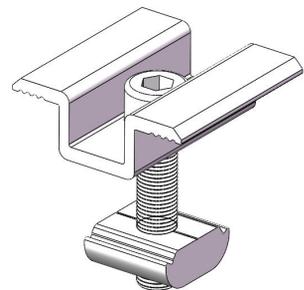
M8\*50mm Bolt



Aluminum Nut

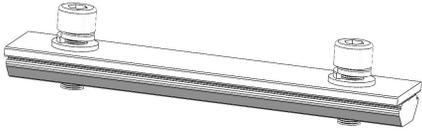


30/35mm Inter Clamp

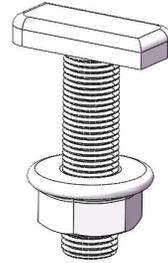


## Components List:

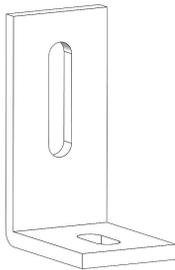
**Rail Connector**



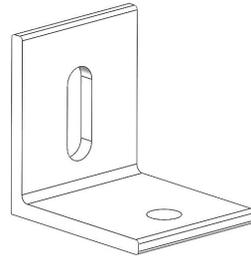
**M8 T Bolt**



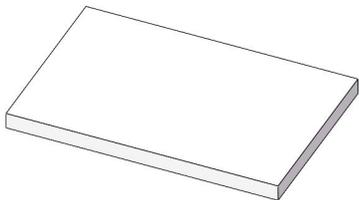
**76x50mm L - shaped feet  
(type - 1)**



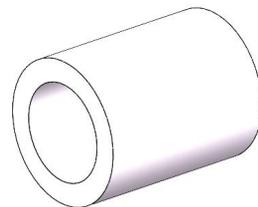
**50x50mm L - shaped  
feet (type - 2)**



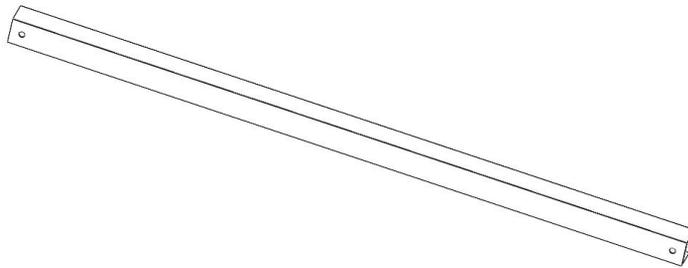
**Rubber Pad**



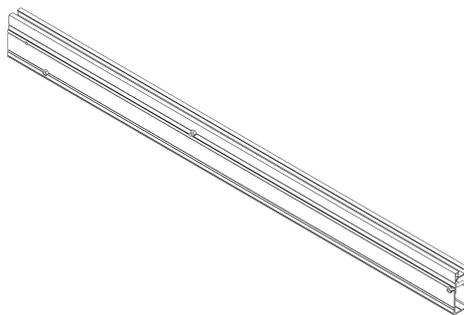
**Small Sleeves**



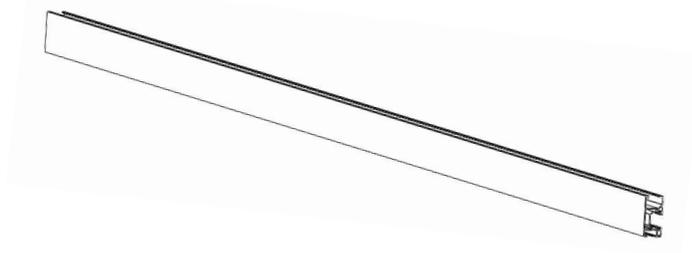
Support



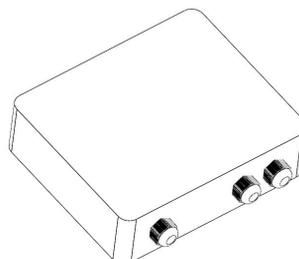
Beam



Rail

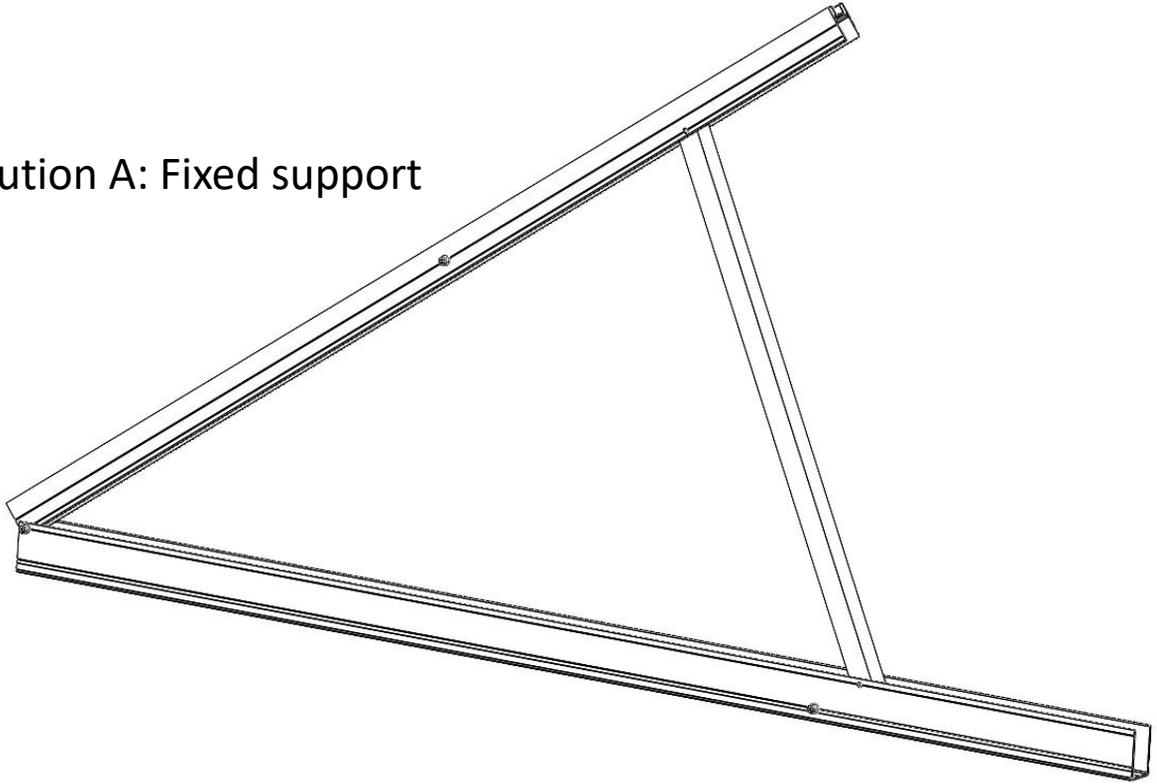


Linear actuator&Controller&remote control

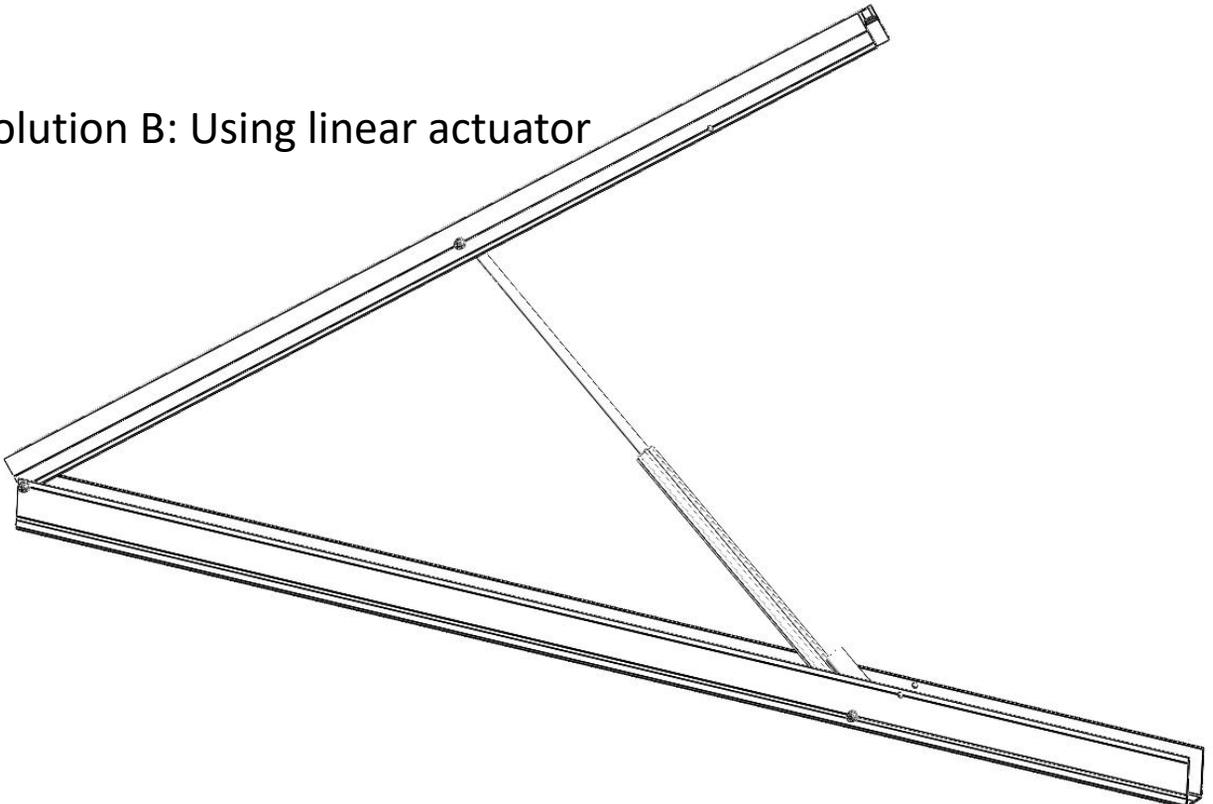


**Step1.** At the outset, please confirm the installation method: whether to use only a fixed support or linear actuators.

Solution A: Fixed support



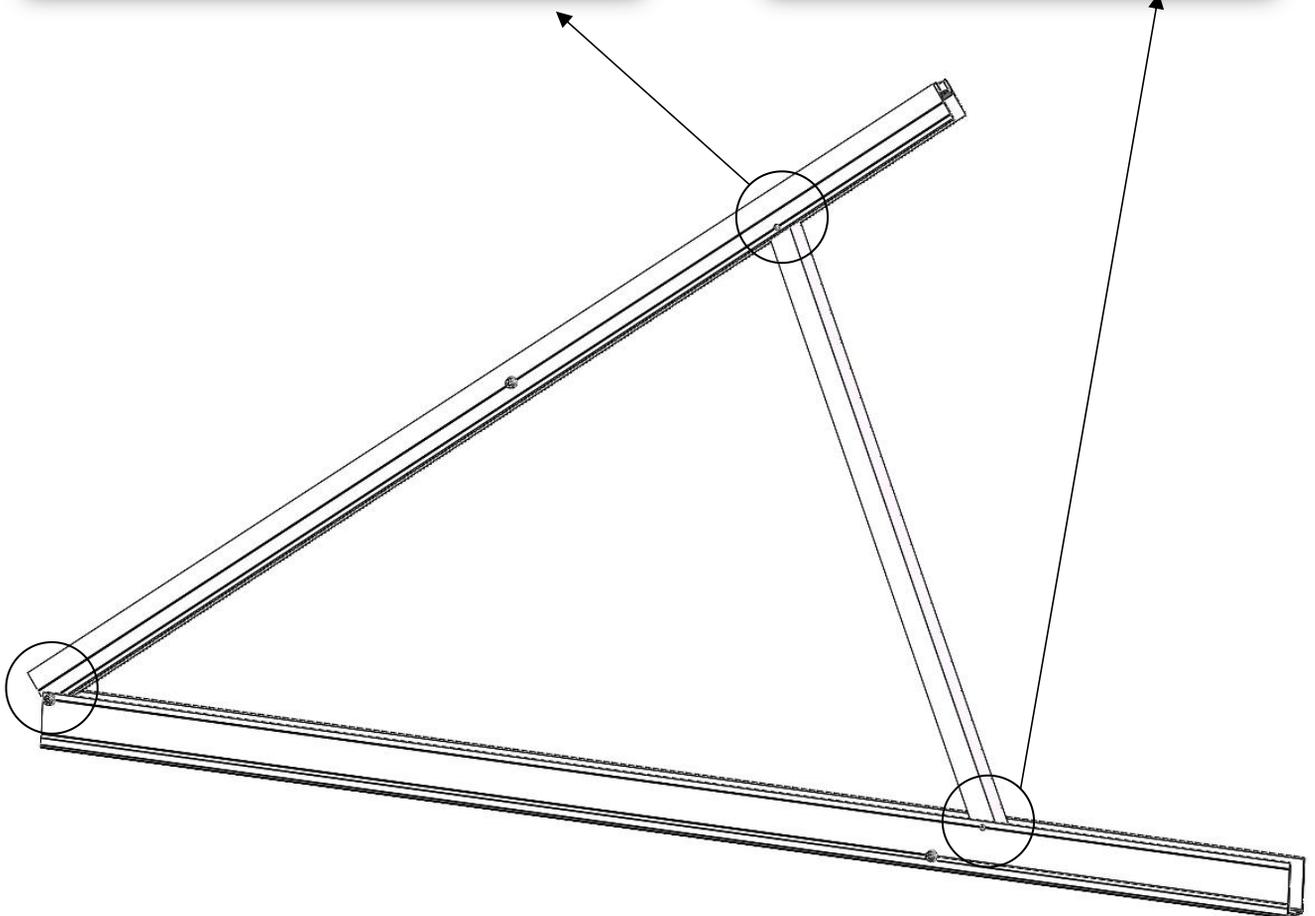
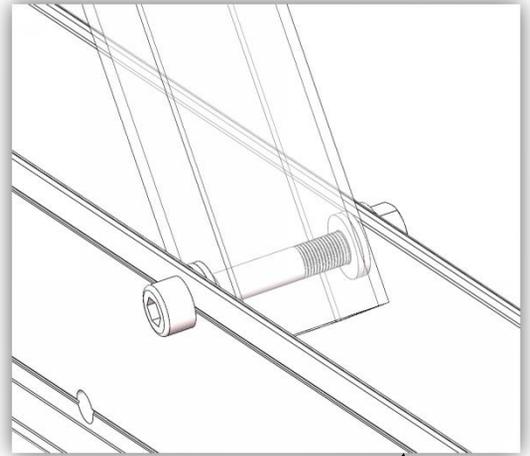
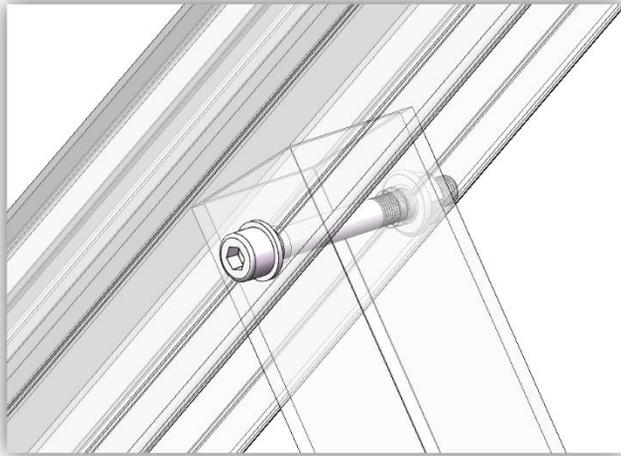
Solution B: Using linear actuator



## Installation Steps:

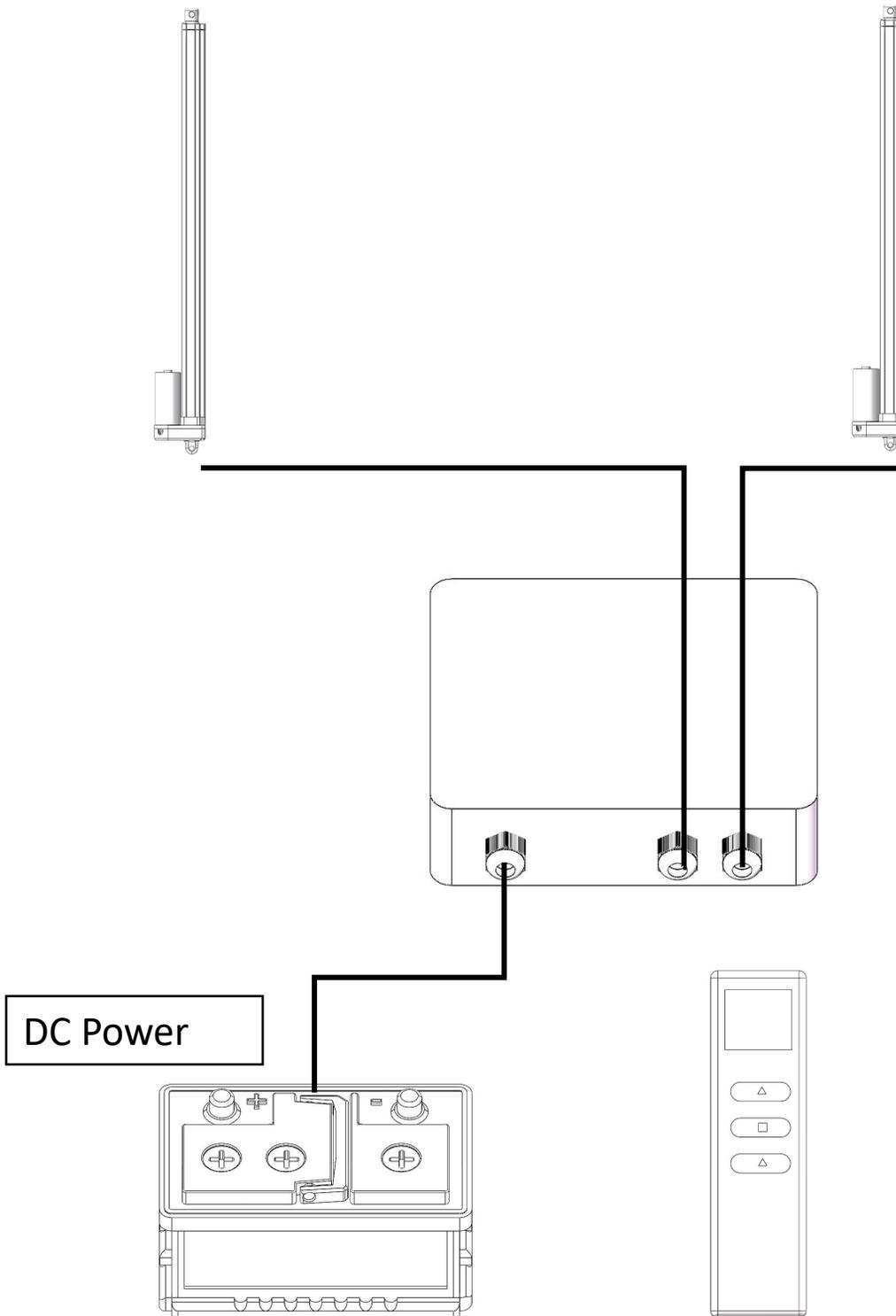
**Step2.** If you choose Solution A (fixed support), secure the beams and the support with M10x70mm bolts. Add M10 washers at locations with gaps.

Please note: Proceed with the installation starting from Step 5.



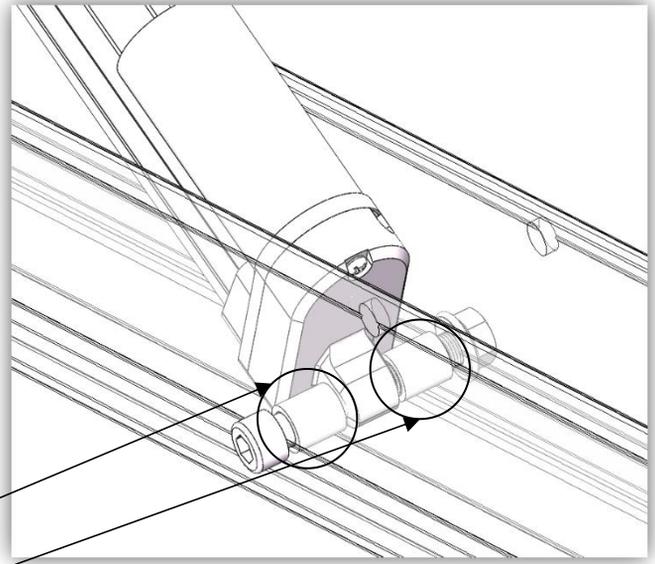
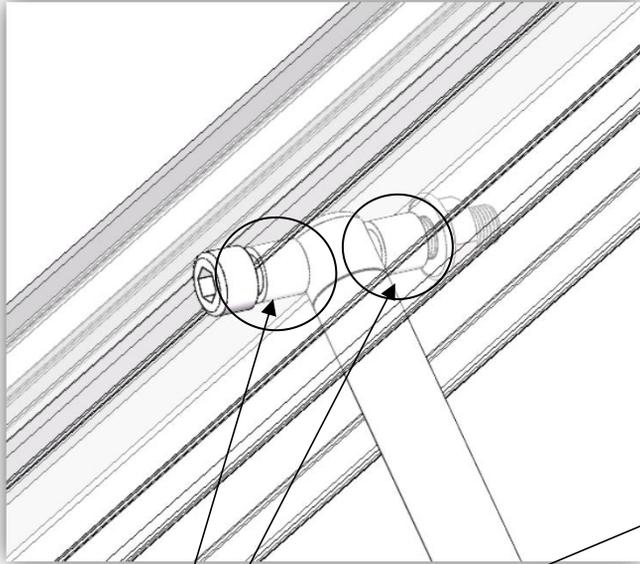
## Installation Steps:

**Step3.** If you choose Solution B (using linear actuator), first connect the linear actuators to the controller and the DC power supply. Then, extend the linear actuators to an appropriate length prior to installation.

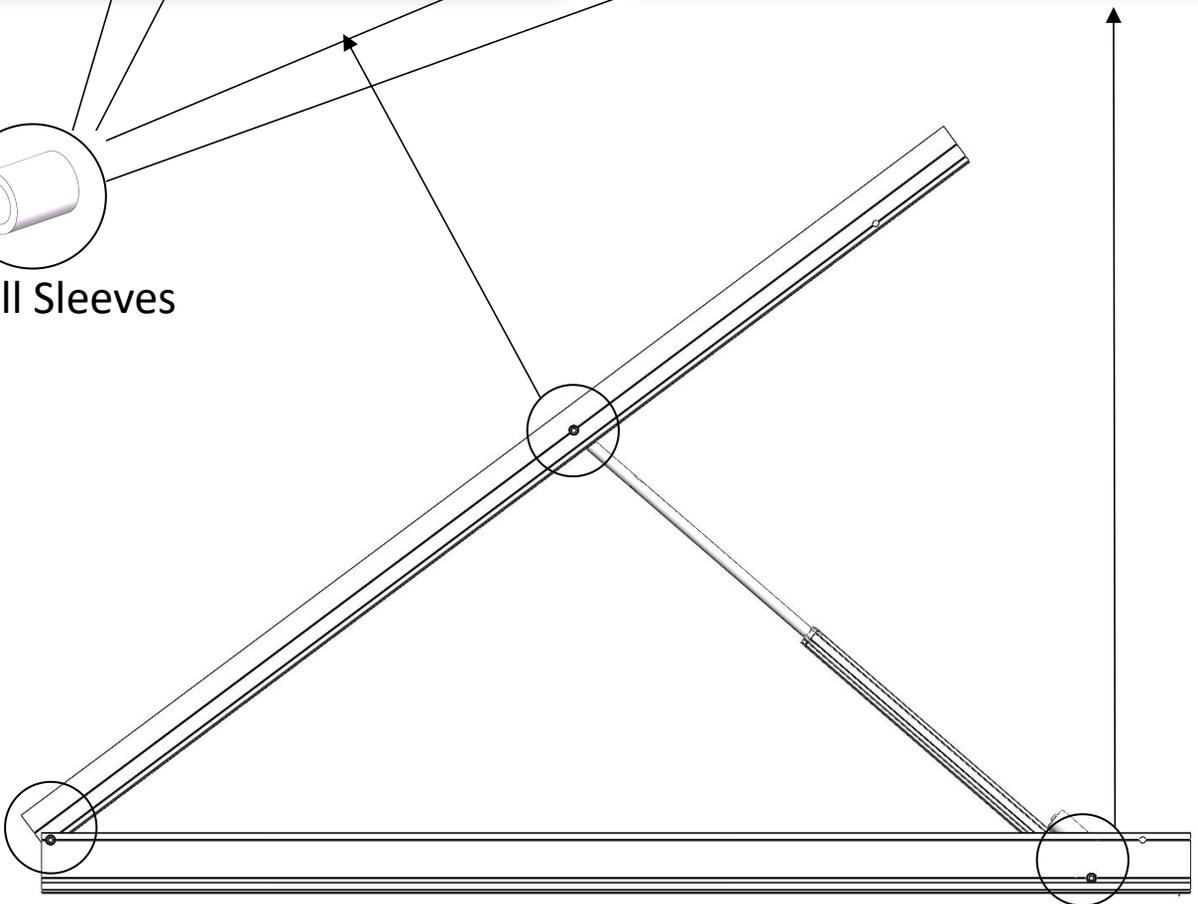


## Installation Steps:

**Step 4.** If you choose Solution B (using linear actuator), fasten the linear actuators to the beams using M10\*70 bolts and lock nuts. Insert small sleeves at the locations with gaps.



Small Sleeves



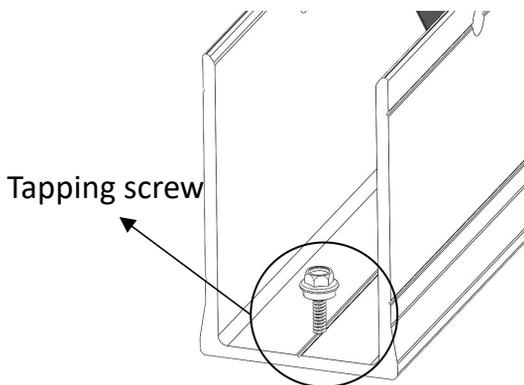
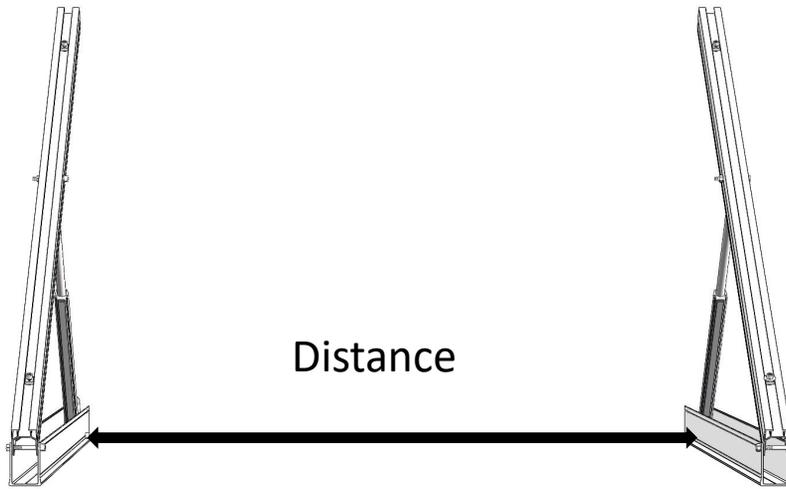
## Installation Steps:

**Step5.** The installation step for both Solution A and Solution B is the same.

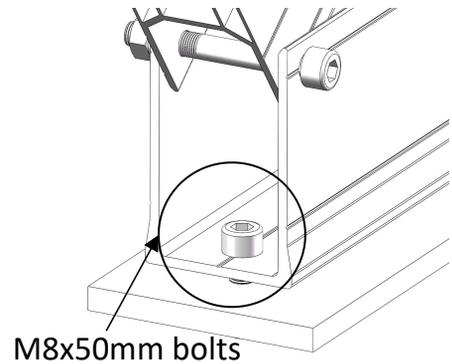
Adjust the distance between the two beams according to the drawing (for 1 panel, 2 panels, or 3 panels).

Secure the beams to the container using tapping screws or M8x50mm bolts. (Use at least 4 tapping screws or 3 bolts per beam.)

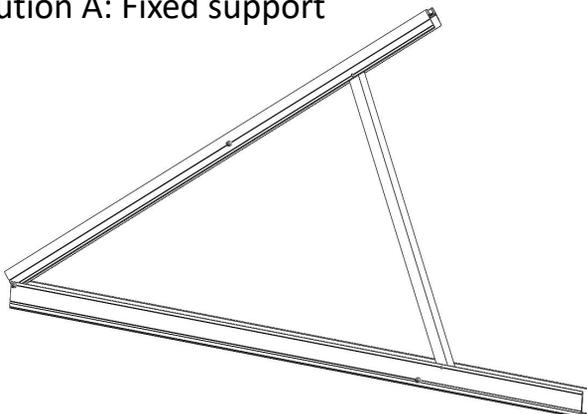
If the surface is uneven, place a rubber pad beneath the beam.



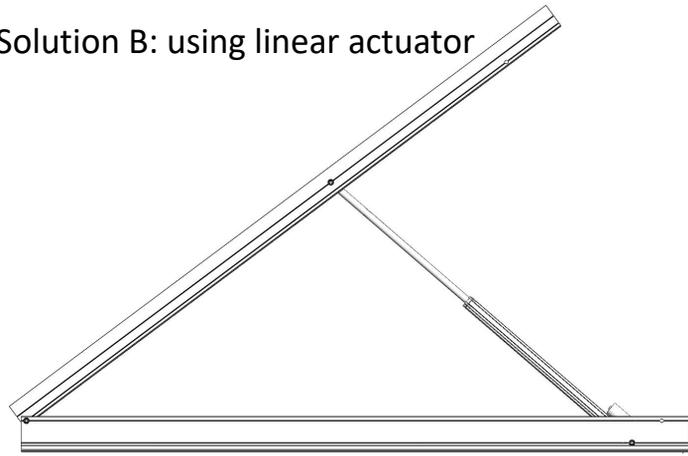
OR



Solution A: Fixed support

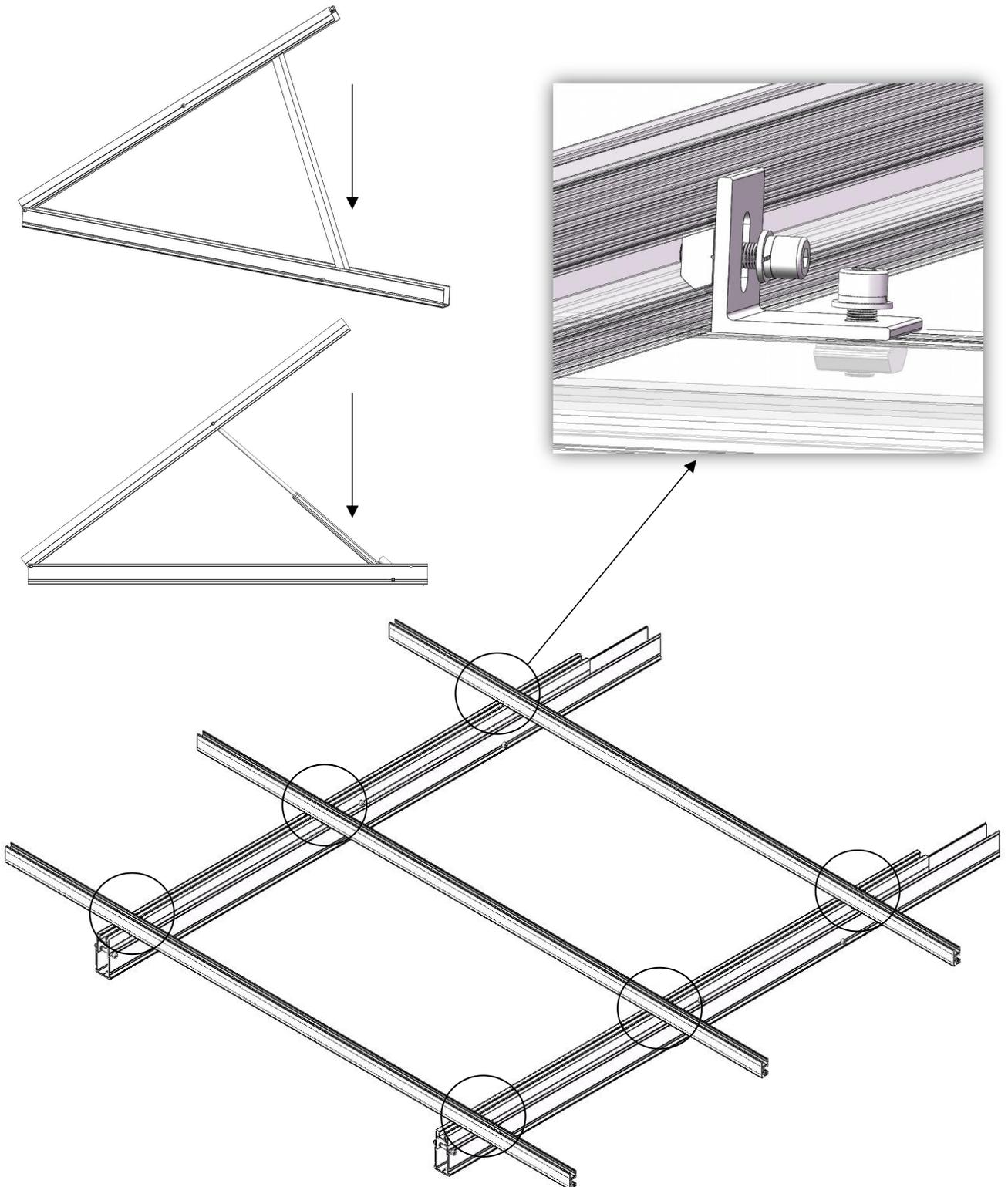


Solution B: using linear actuator



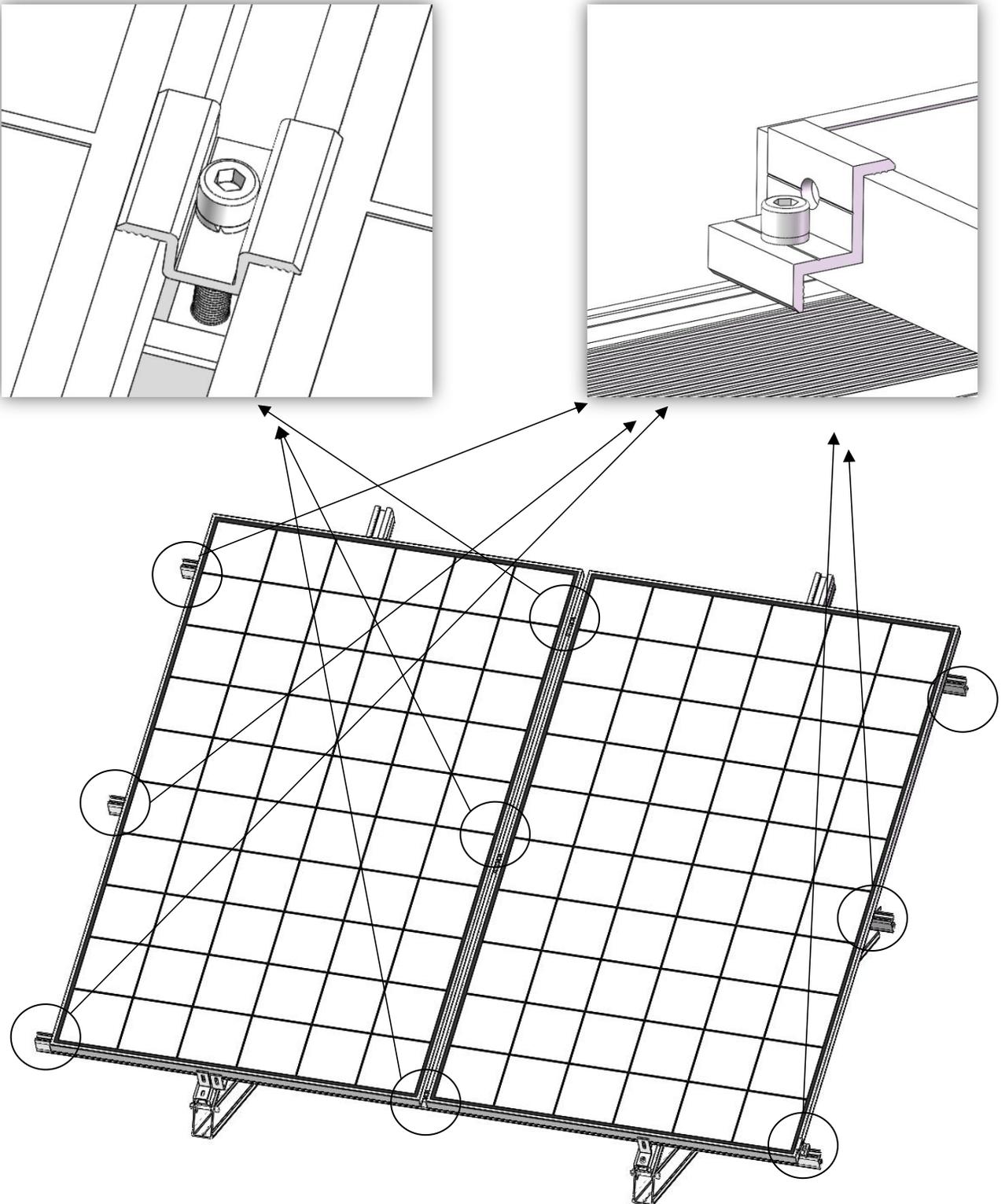
## Installation Steps:

**Step6.** The installation step for both Solution A and Solution B is the same. Before installing the rails, lay the beam flat. Secure the rails to the beam using 50x50mm L - shaped feet (type - 2) and aluminum nuts.



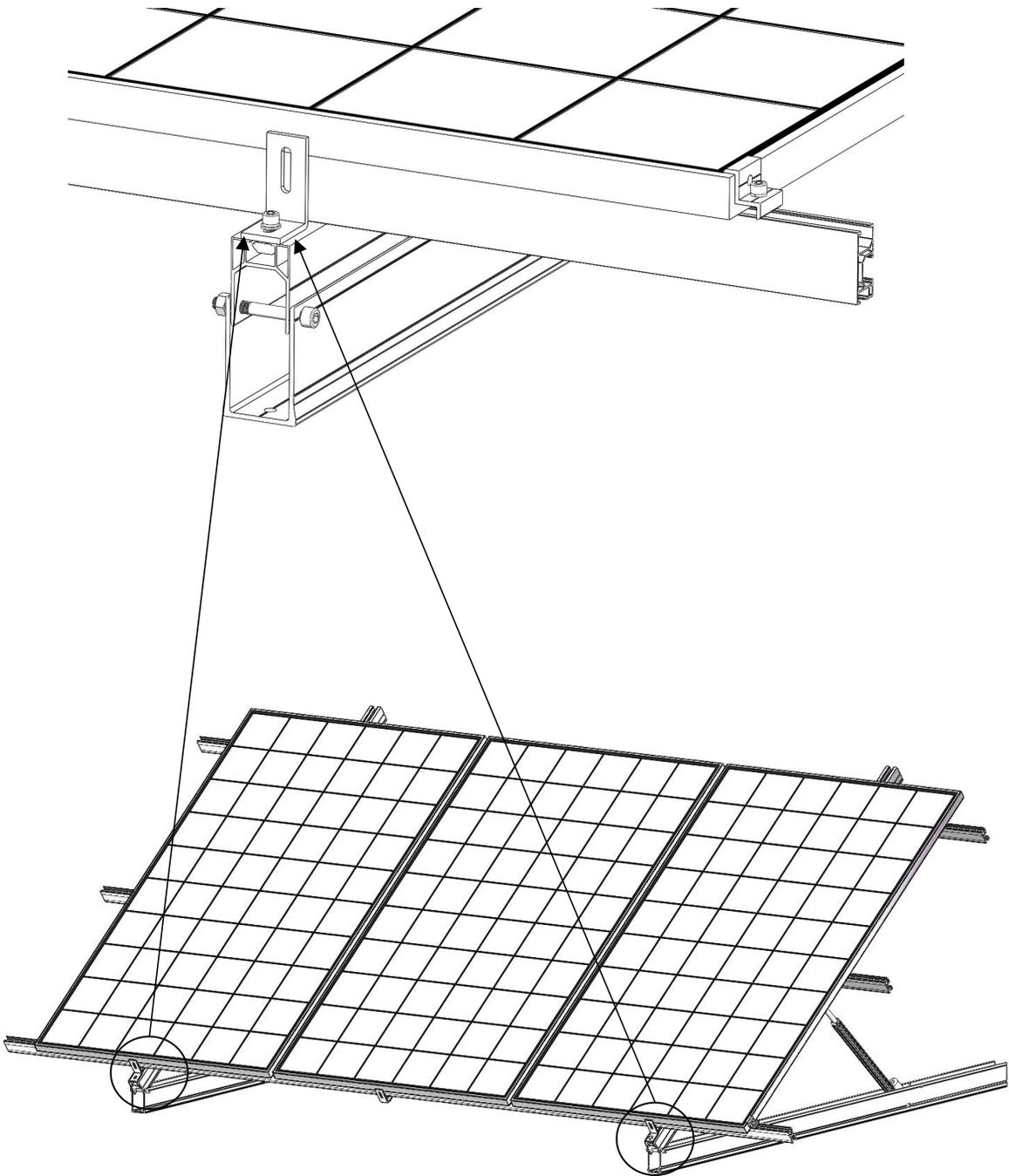
## Installation Steps:

**Step 7.** The installation step for both Solution A and Solution B is the same. Secure the panels to the rails using inter clamps and end clamps.



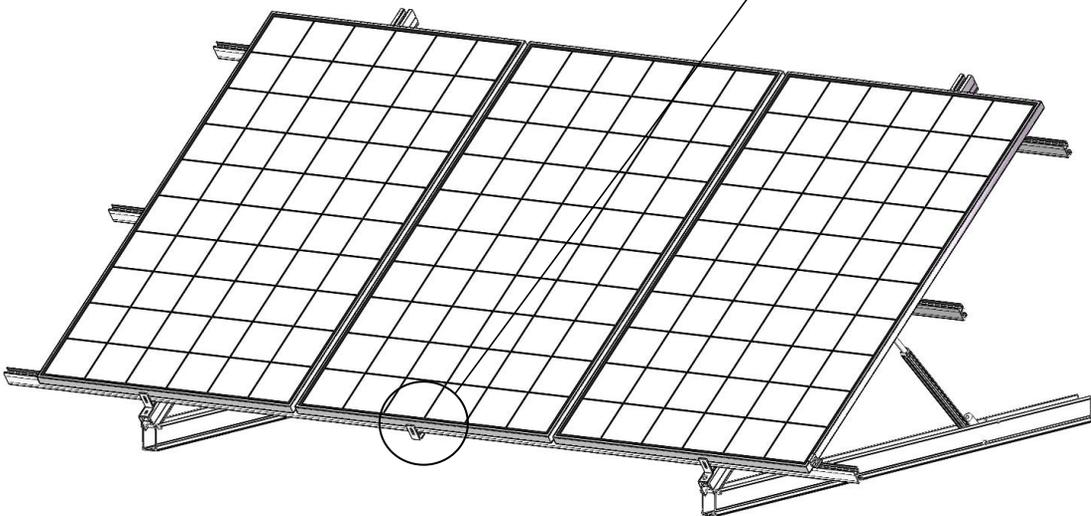
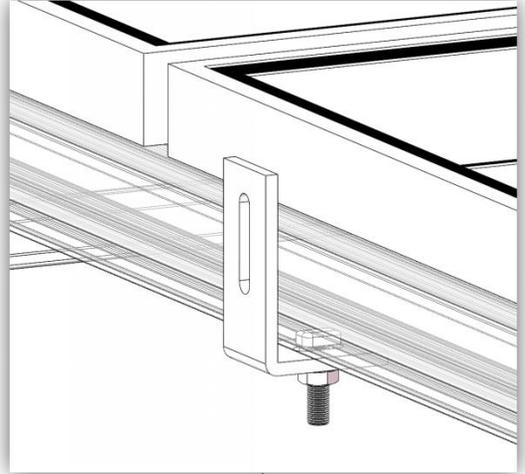
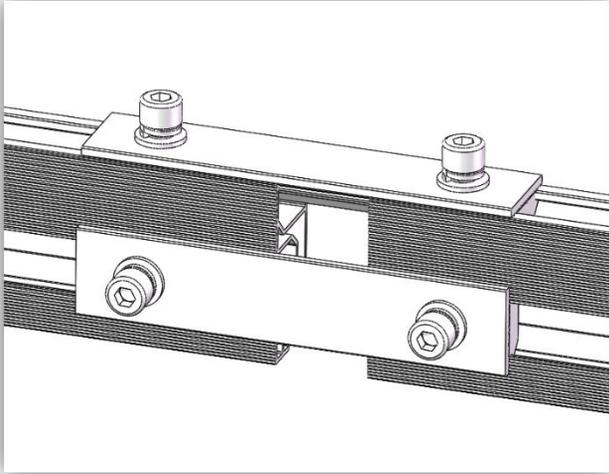
## Installation Steps:

**Step8.** The installation step for both Solution A and Solution B is the same. Secure 76x50mm L - shaped feet (type - 1) with aluminum nuts at the bottom edge of the beam to prevent the solar panels from slipping.



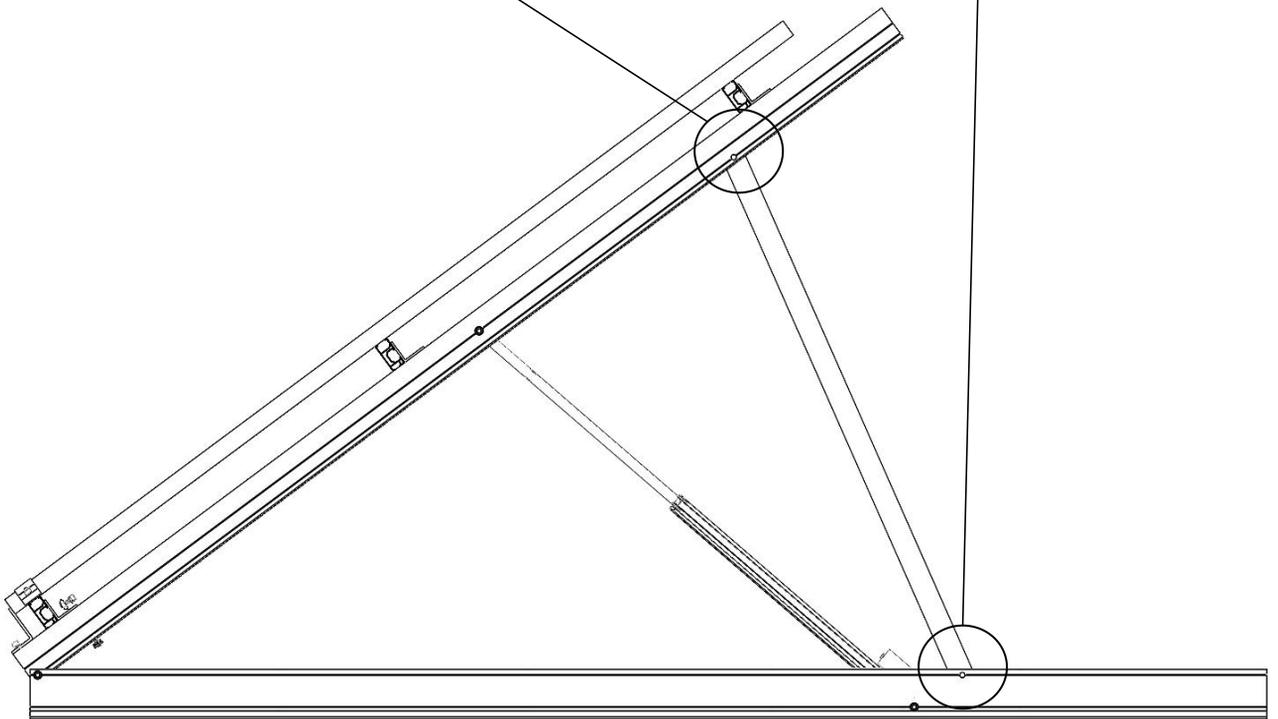
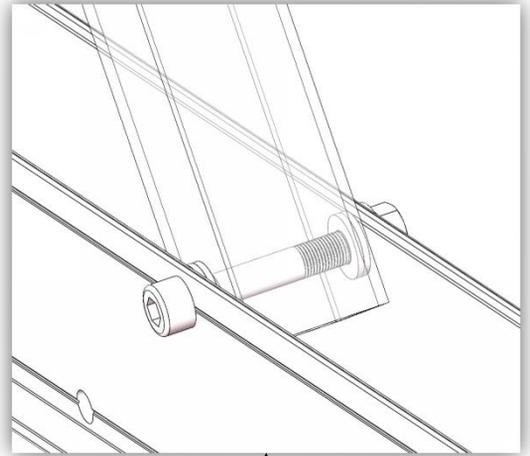
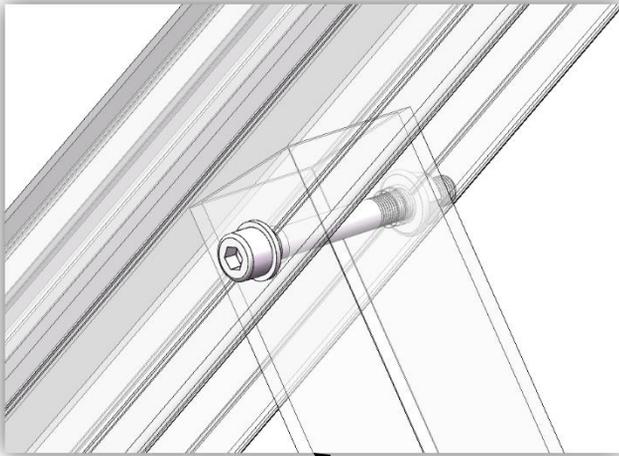
## Installation Steps:

**Step9.** The installation step for both Solution A and Solution B is the same. If you want to install three panels, connect the rails using a rail connector. Additionally, attach 76x50mm L - shaped feet (type - 1) and M8 T - bolts at the bottom edge of the beam to prevent the solar panels from slipping.



## Installation Steps:

**Step10.** If you choose Solution B (using linear actuator), for enhanced stability, use M10x70mm bolts and rubber pads to install the supports at a 35° angle as necessary.



## Installation Steps:

**Step11.** If you choose Solution A (fixed support), when the bracket is in a horizontal position, it can be securely fastened and fixed using cable ties.

