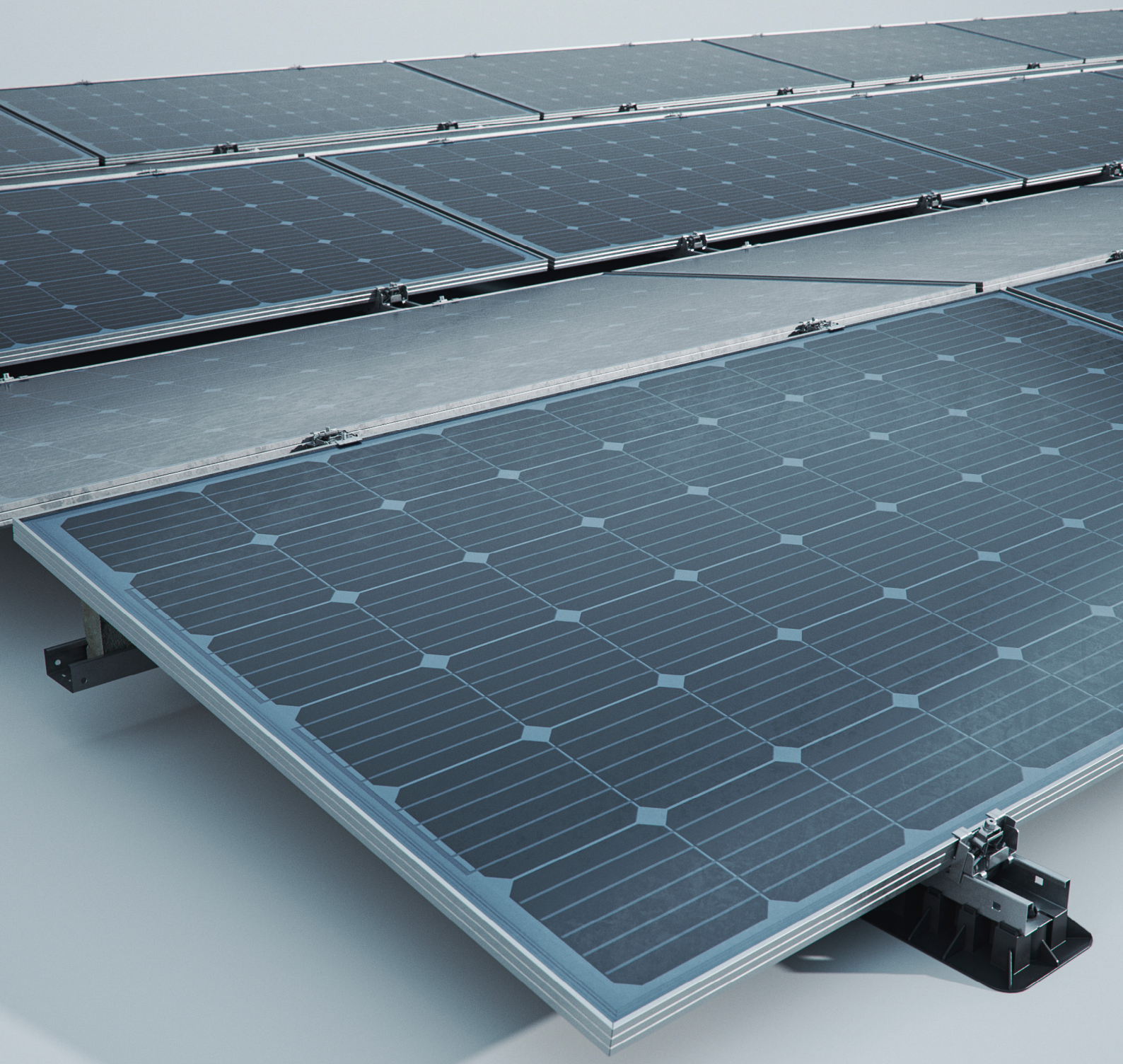
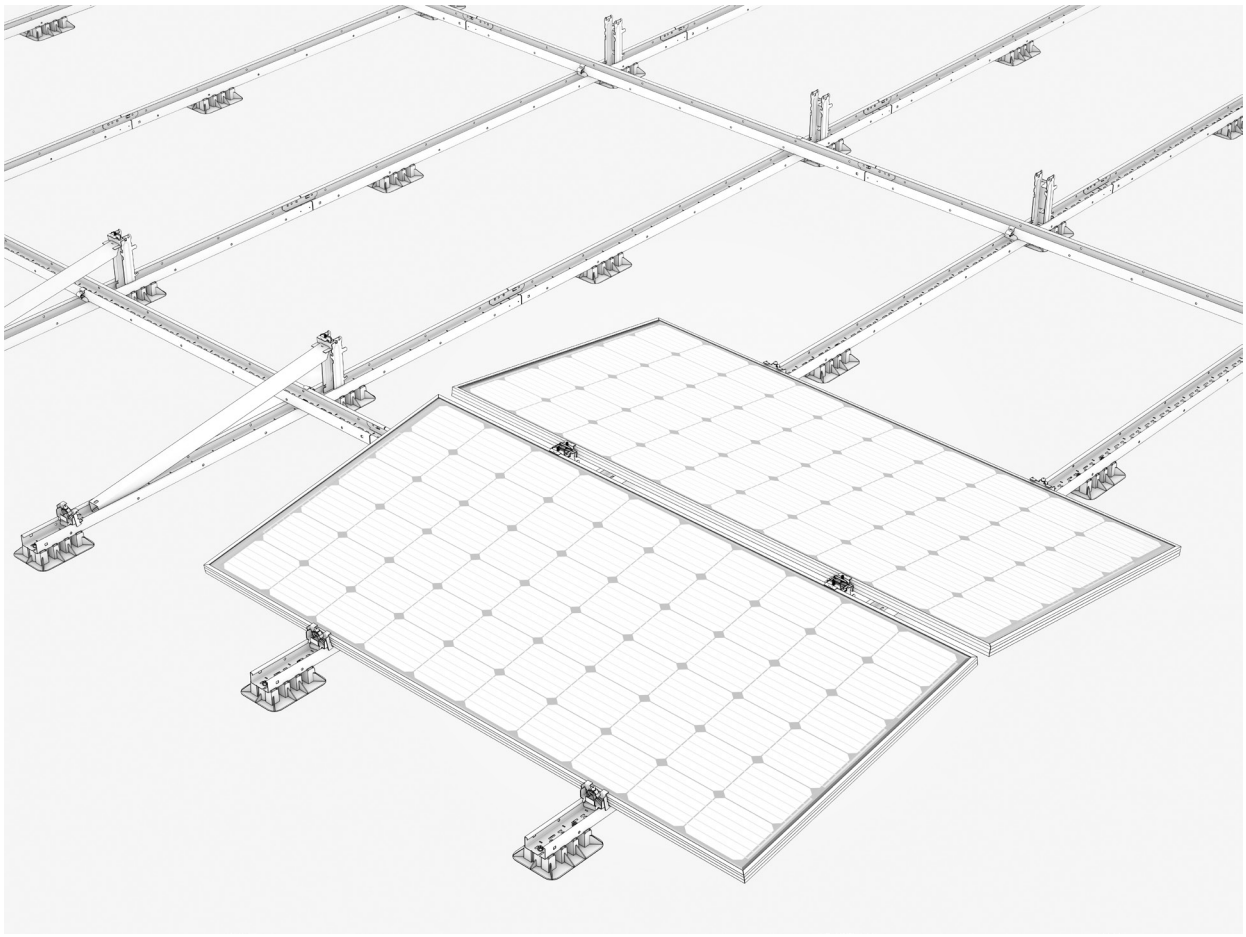
Assembly instructions



SOLIQ



This manual describes a mounting system for installing solar panels on low-sloping and flat roof for south or east/west orientation. The installation can be carried out with ballast or with fixed anchorages to the roof or as a hybrid between these solutions.

This installation description guides you as an installer step by step through the entire installation process.

Read this installation description and follow the instructions carefully. References are made to the project report generated from the **MP bolagen configurator.** Information from the **project report** is the basis for the installation to be carried out correctly.

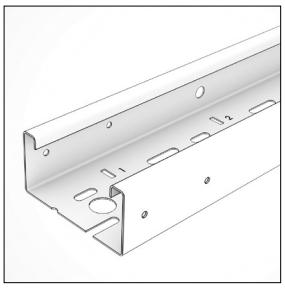


For the warranty to apply, the installation must be carried out in accordance with the installation description and with information from the project report. To read the warranty terms, read more at **soliqsystem.com**

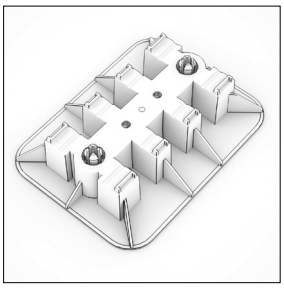
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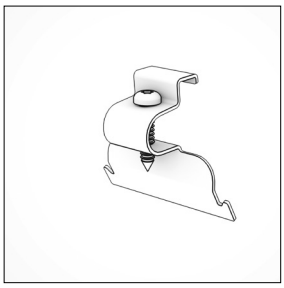
Component List



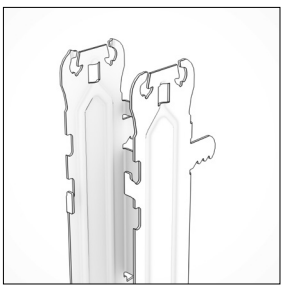
Clamp ballast rail
E-nr. 2742638



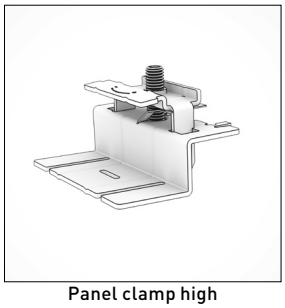
Foot
E-nr. 2742643



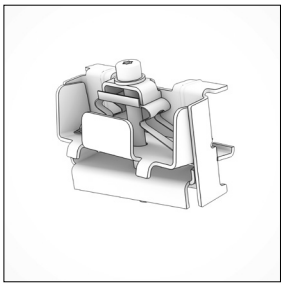
Clamp ballast rail
E-nr. 2742646



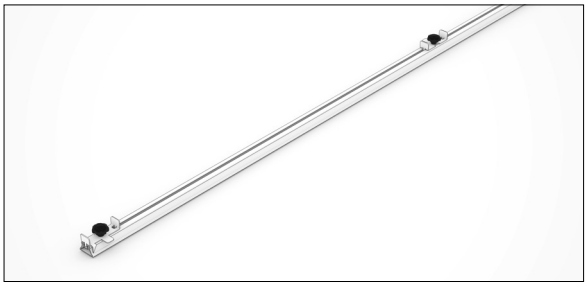
Support high
E-nr. 2742639



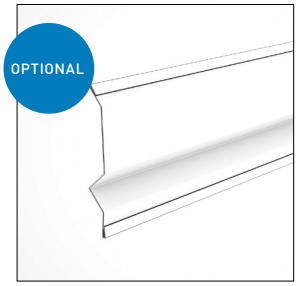
Panel clamp high
E-nr. 2742640



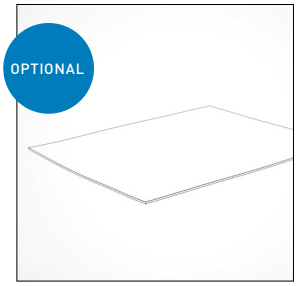
Panel clamp low
E-nr. 2641



Measuring rod
E-nr. 2742647



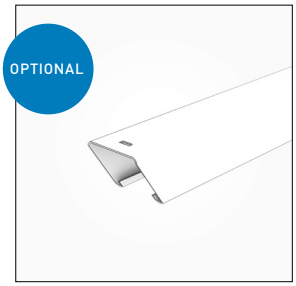
Wind shield
E-nr. 2742639



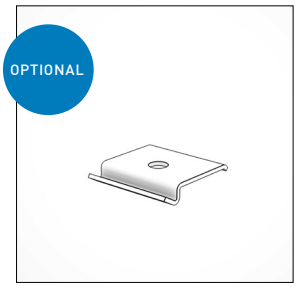
Protection mat
E-nr. 2742651



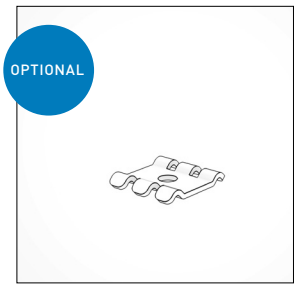
Anchoring kit
E-nr. 2742653



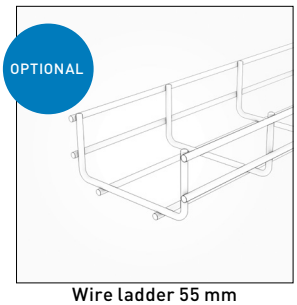
Support rail



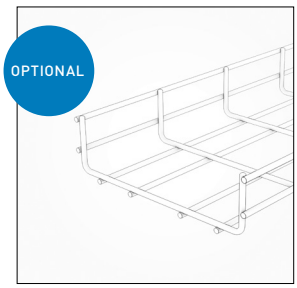
Clamp wire ladder
E-nr. 2742654



Universal tray
E-nr. 1116534



Wire ladder 55 mm
E-nr. 1116395



Wire ladder 120 mm
E-nr. 1116416

Roof condition and load capacity

- Before starting the installation, the roof condition and lo ad-bearing capacity must be checked and approved.
- Ensure that the roof structure is dimensioned for the loads that the solar system will carry.
- When using fixed anchoring in the roof, the anchoring points must be carried out by a qualified installer.

Safety

Working on a roof always involves risks.

- Follow the applicable safety regulations for the workplace.
- Installation must be carried out by trained and qualified personnel.
- Wear suitable protective clothing.
- Use fall protection when working on a roof.
- Never walk under a suspended load.
- Follow electrical safety regulations when connecting solar panels.

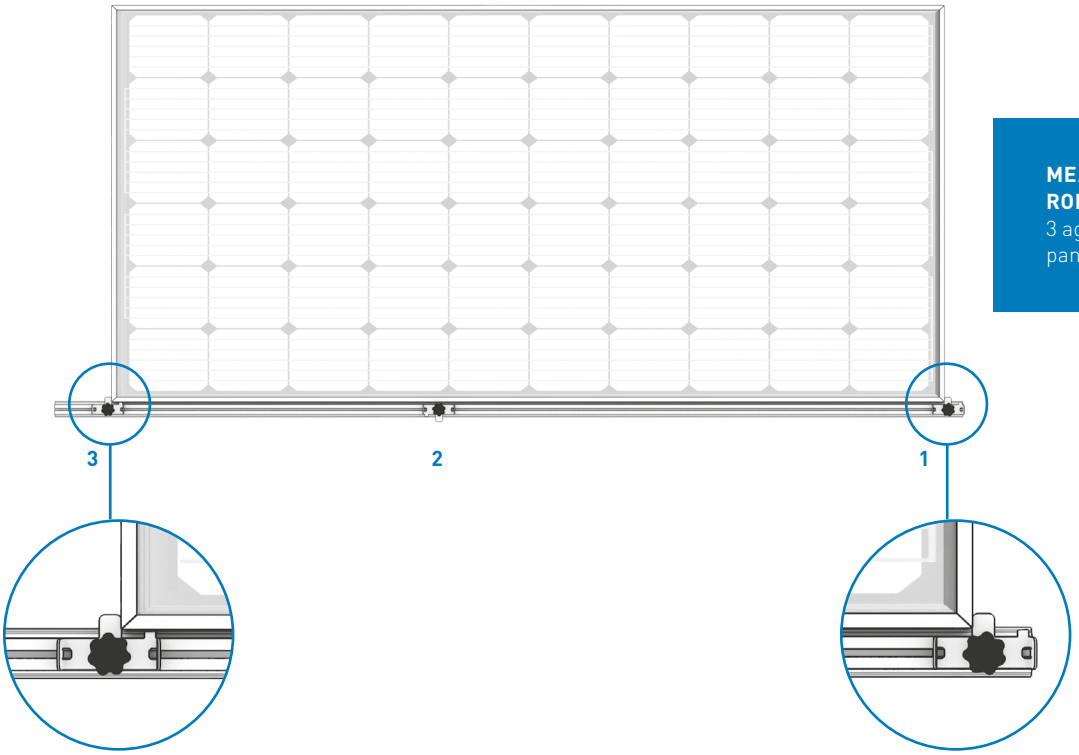
Tools

- Screwdriver with Torx T30 with secured and calibrated torque according to specifications in the installation description.
- Line up the placement of base rails.
- Measuring rods are recommended for easy installation.
- Measuring tape

Technical data

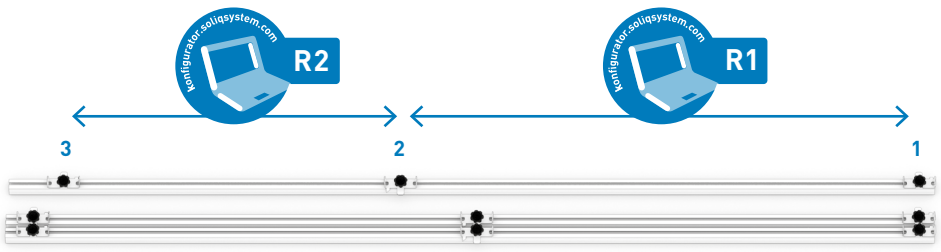
Tool	Torx 30
Panel thicknesses	28-45mm
Panel with	992-1310
Corrosivity	C4
Warranty	25 years
Snow load zone	Mechanically tested for snow zones 1–5.5
Salt spray test	ISO 9227:2022 Neutral Salt Spray Accredited method according to ISO/IEC 17025
Standard for ballast calculation	NEN7250
Wind tunnel test	Physical wind tunnel tests carried out in accordance with NEN 7250:2021, NEN 6702:2001, NEN-EN 1991-1-4:2019
Lift test / calculation	Performed according to NEN7250, EN1991-1-4

1



MEASUREMENT RODS Set guide 1 and 3 against the solar panel as a template.

2



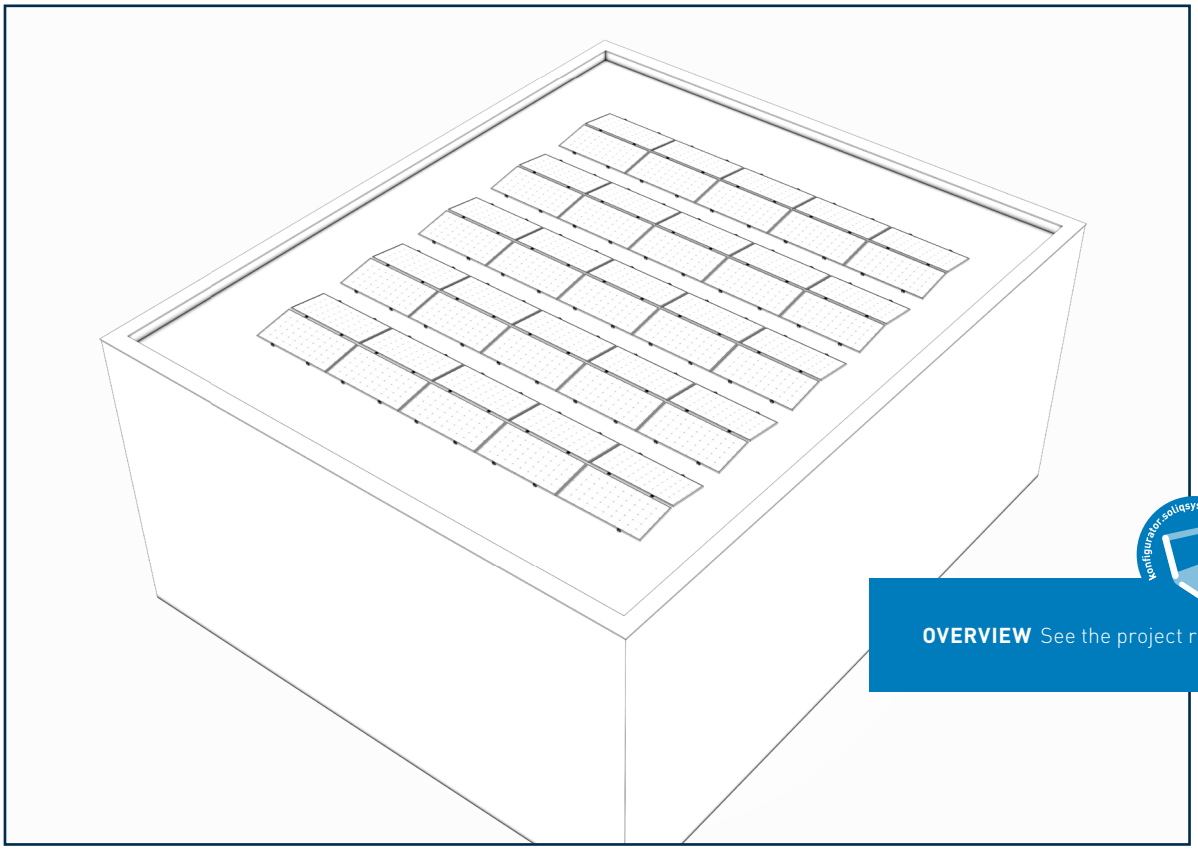
MEASUREMENT RODS Set the center distance between guide 1 and 2 according to the configurator. Check the measurement between 2 and 3.

3



COPY one of the measuring rods to the others.

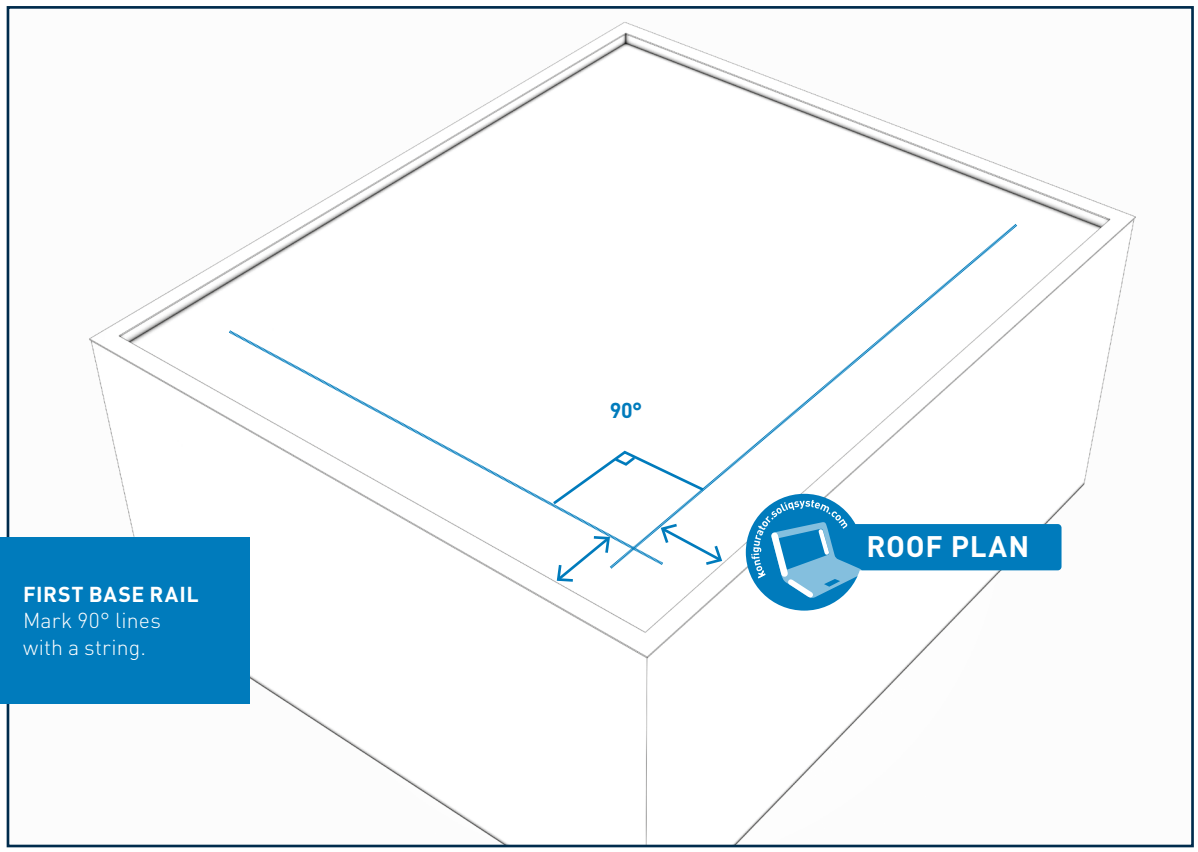
4



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OVERVIEW See the project report

5

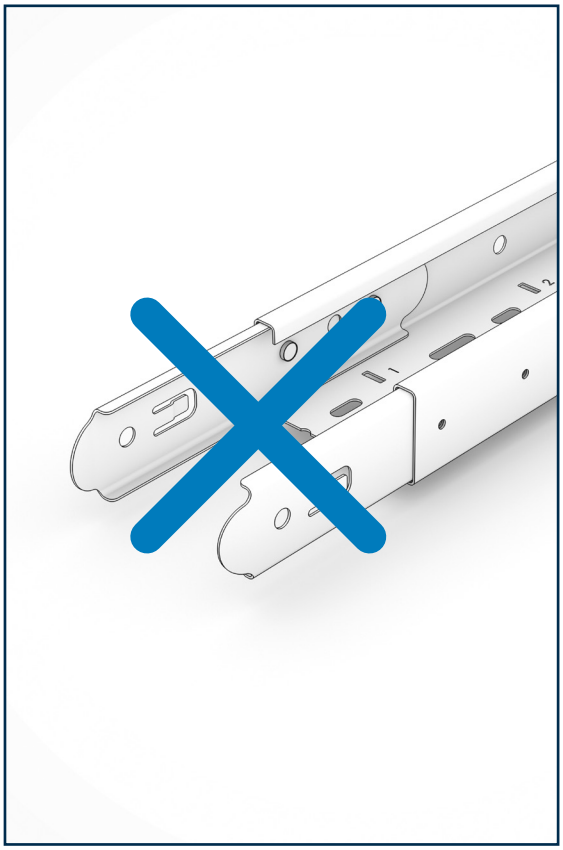


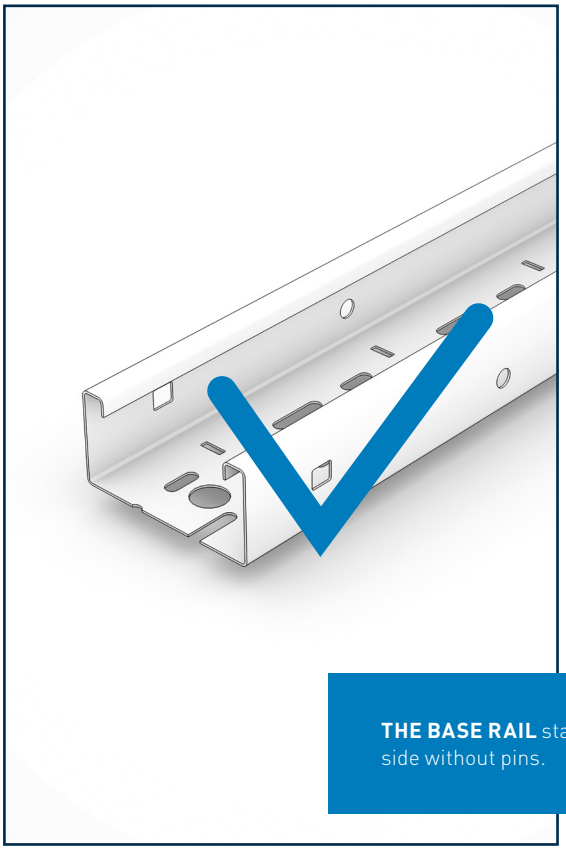
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ROOF PLAN

FIRST BASE RAIL
Mark 90° lines
with a string.

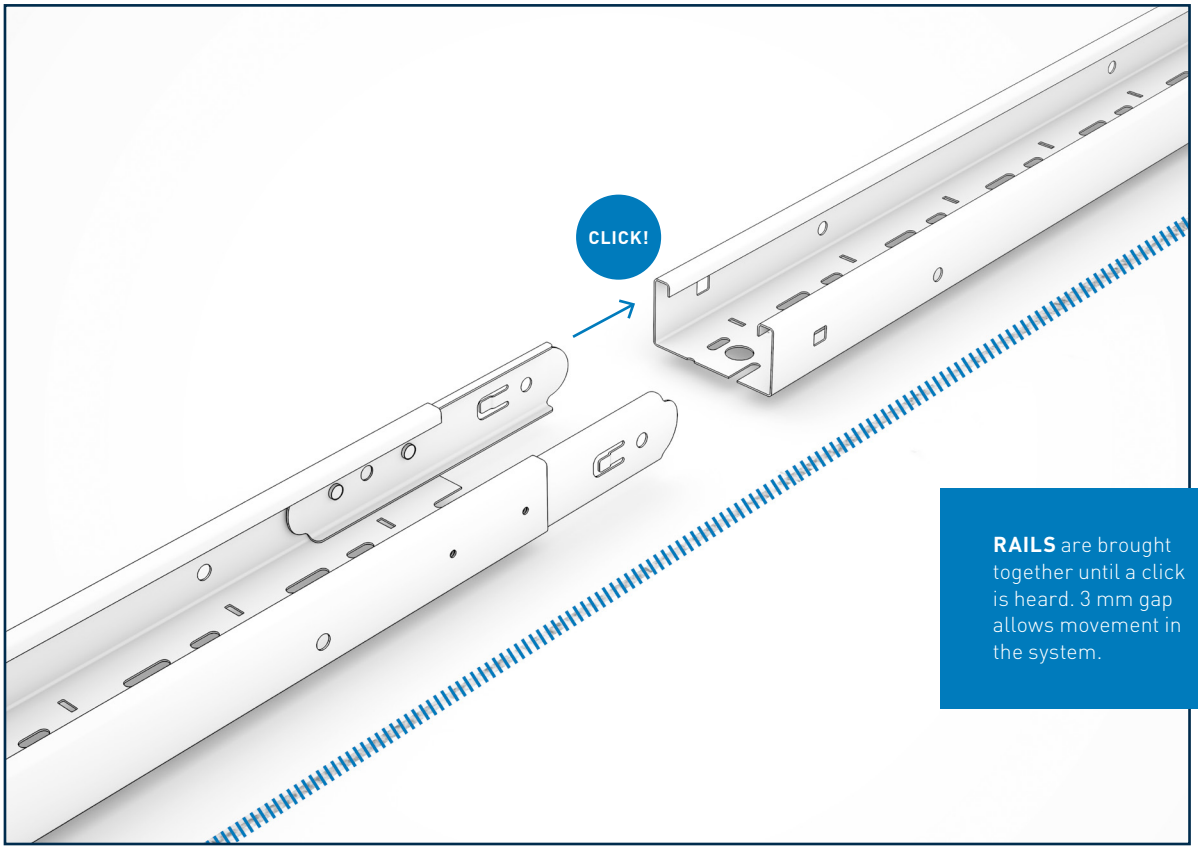
6





THE BASE RAIL starts with the side without pins.

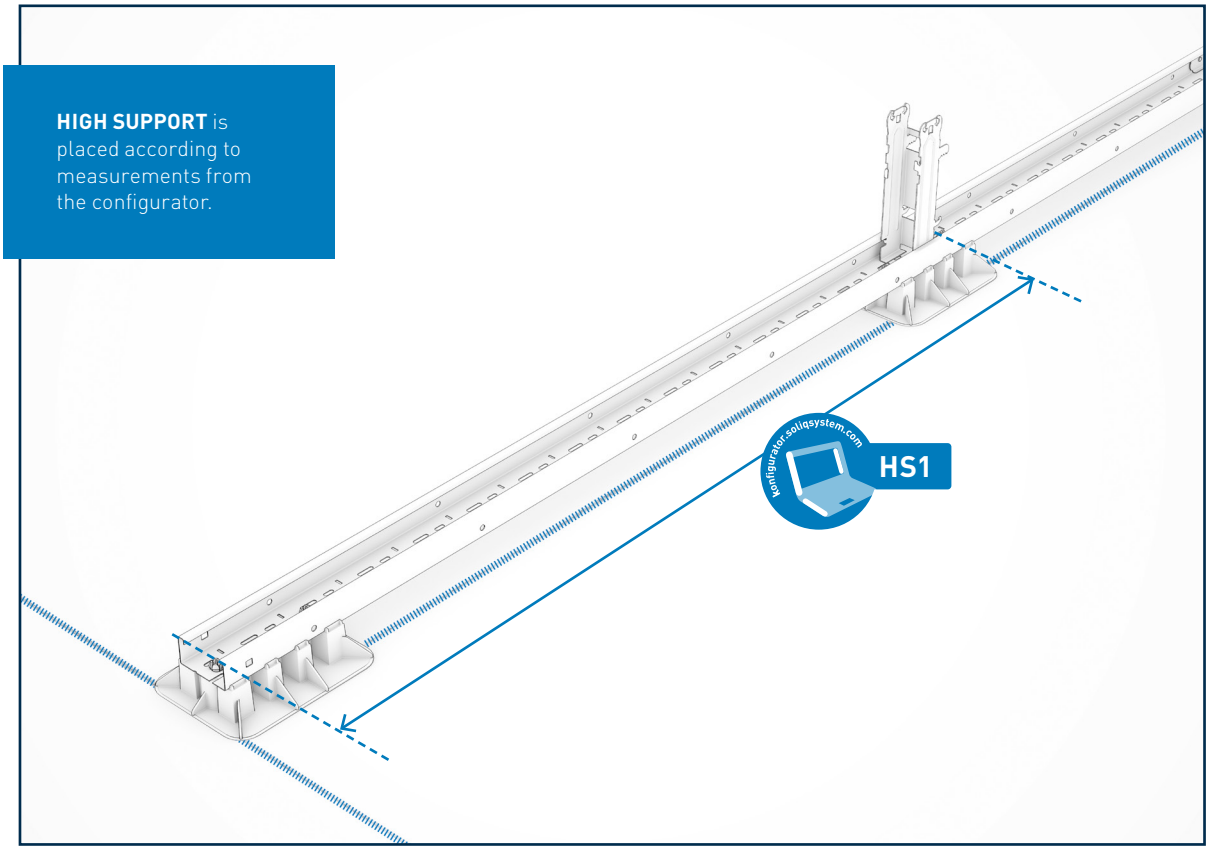
7



RAILS are brought together until a click is heard. 3 mm gap allows movement in the system.

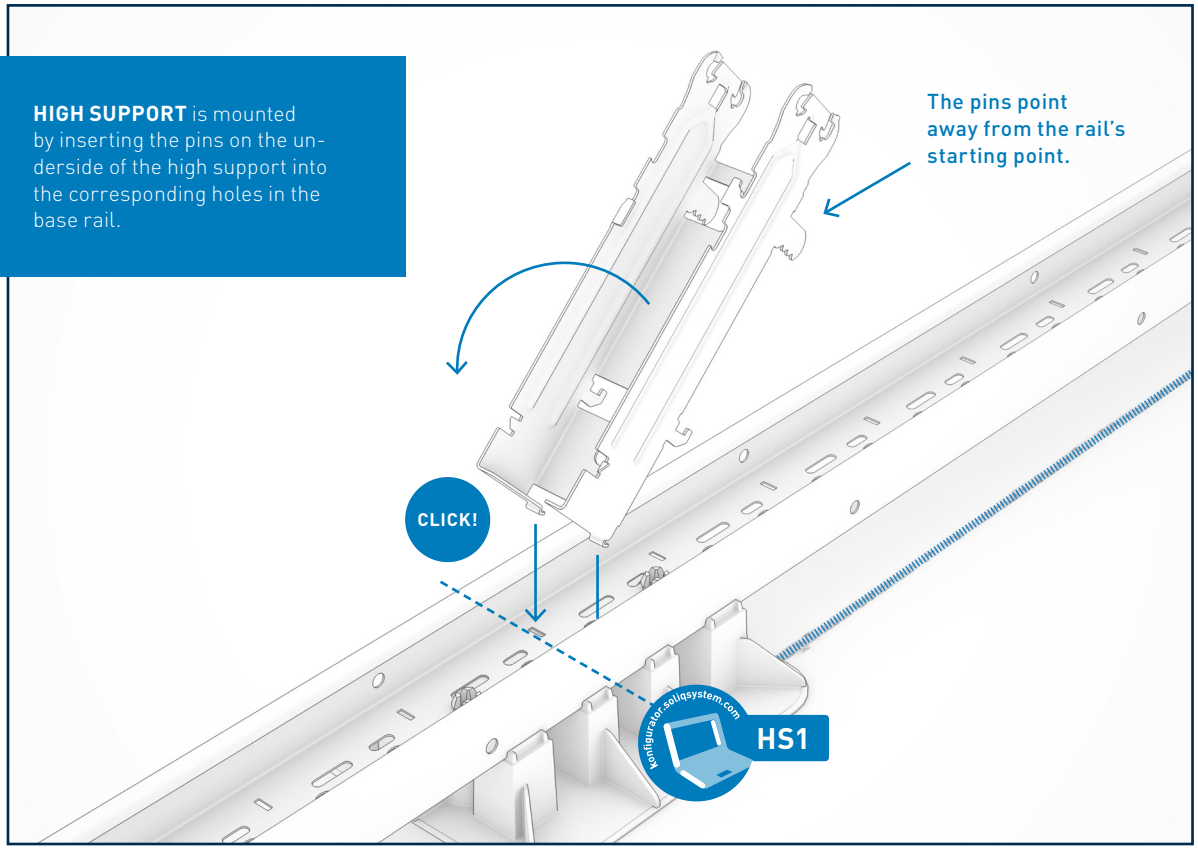
8

HIGH SUPPORT is placed according to measurements from the configurator.



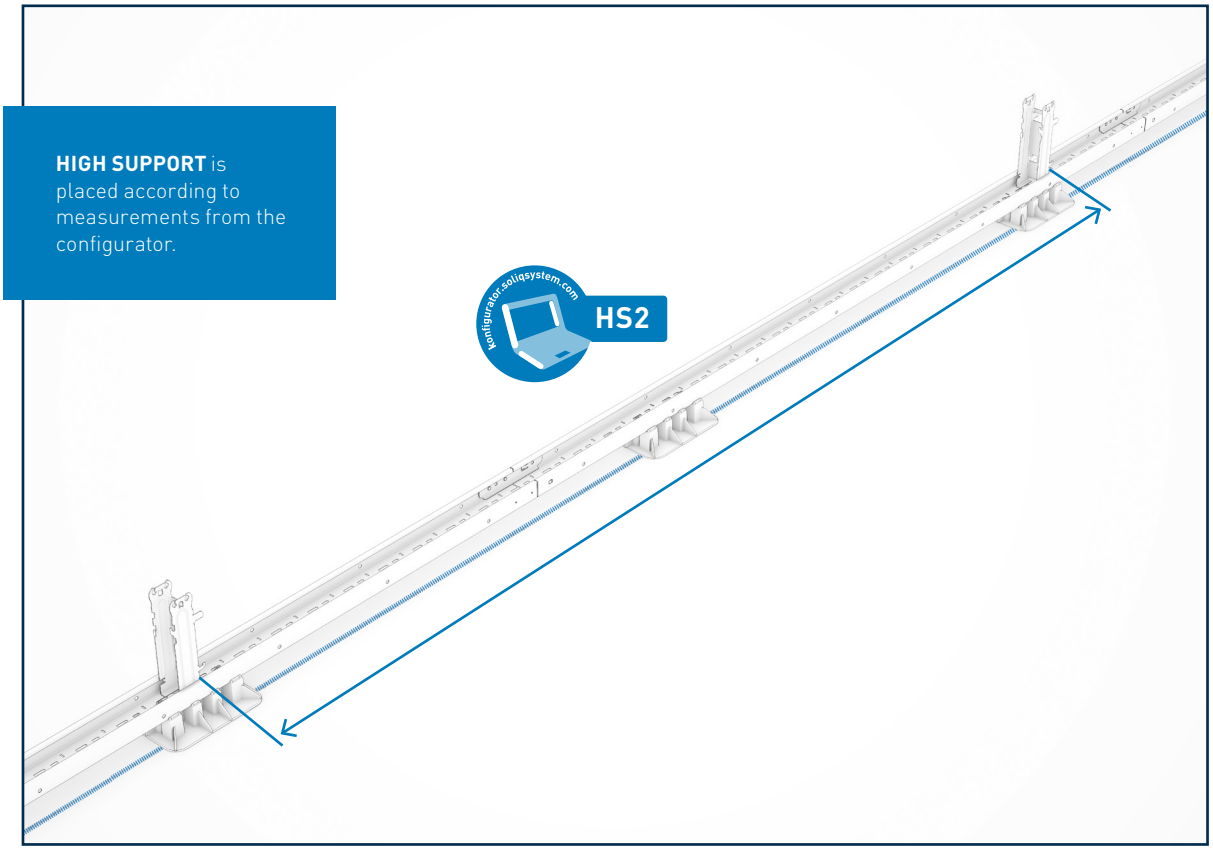
9

HIGH SUPPORT is mounted by inserting the pins on the underside of the high support into the corresponding holes in the base rail.



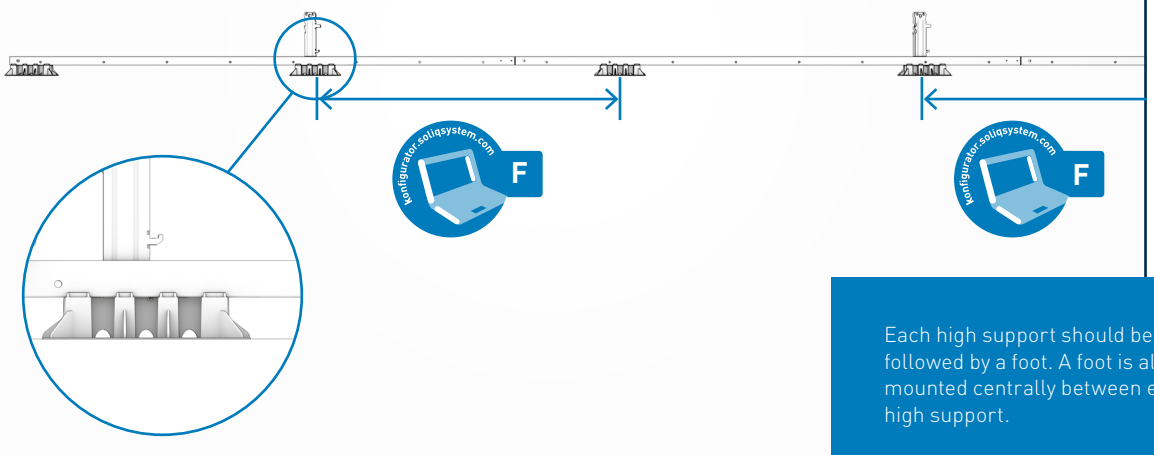
10

HIGH SUPPORT is placed according to measurements from the configurator.



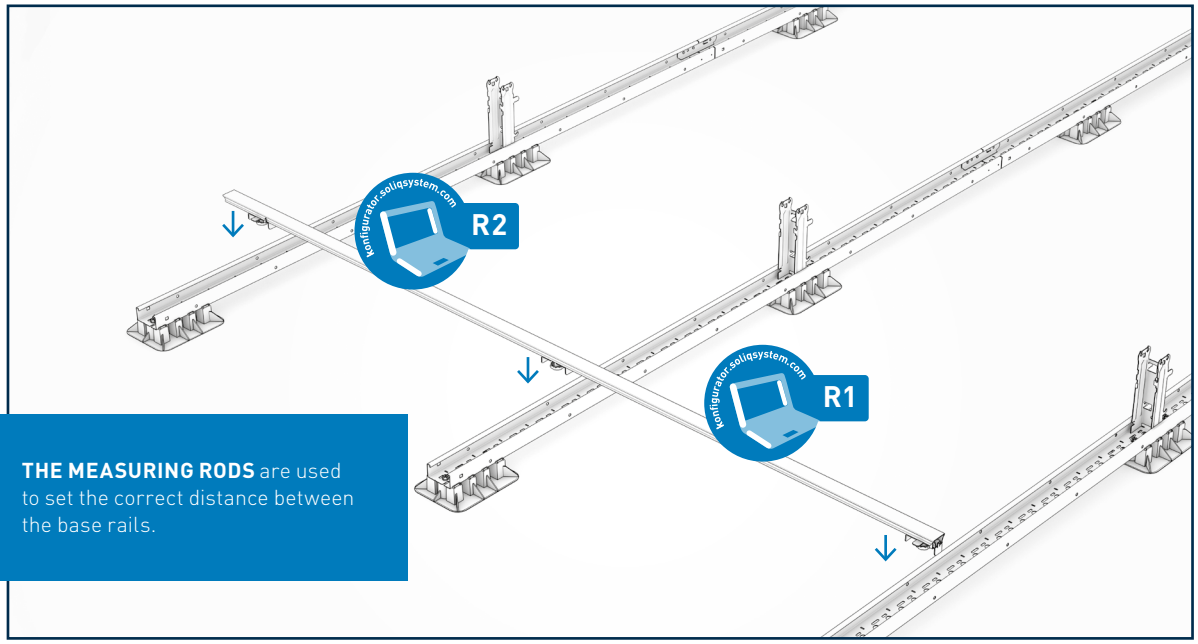
11

THE FIRST FOOT is mounted on the end of the base rail. Place the next FOOT under the high support.



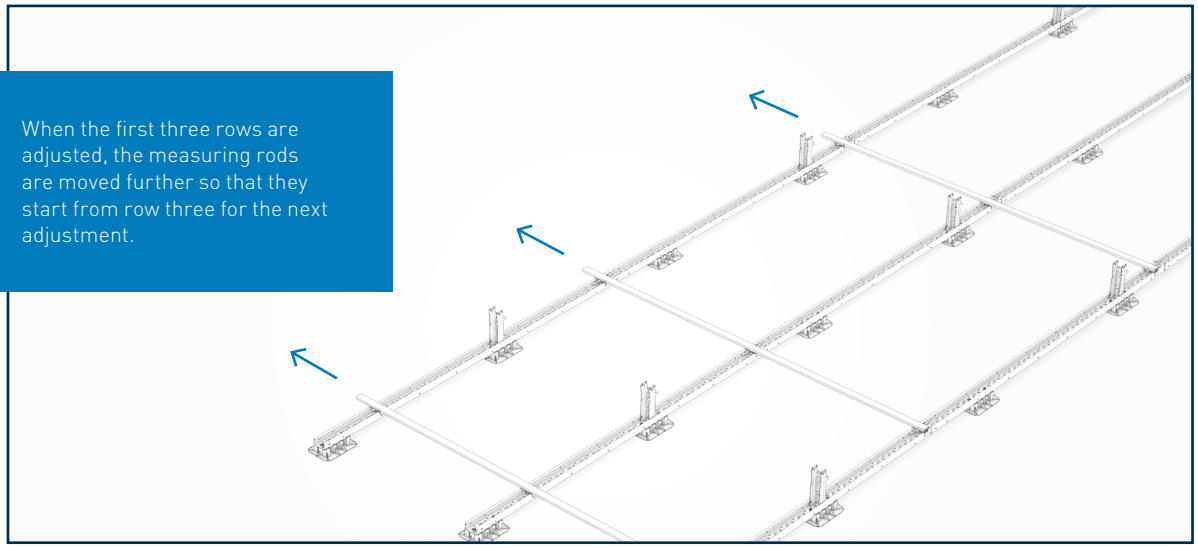
Each high support should be followed by a foot. A foot is also mounted centrally between each high support.

12



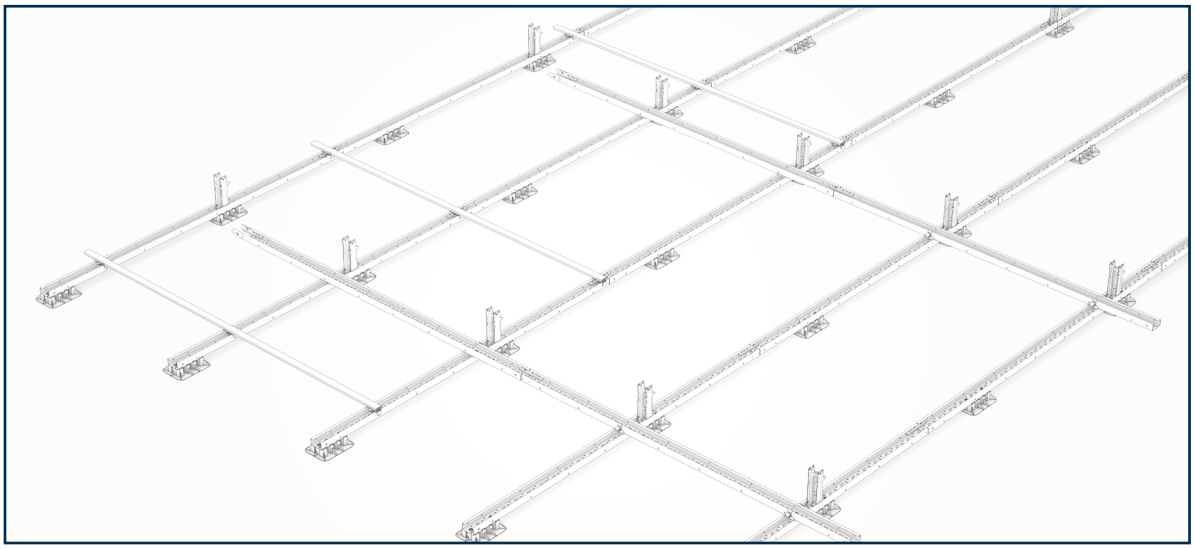
THE MEASURING RODS are used to set the correct distance between the base rails.

13

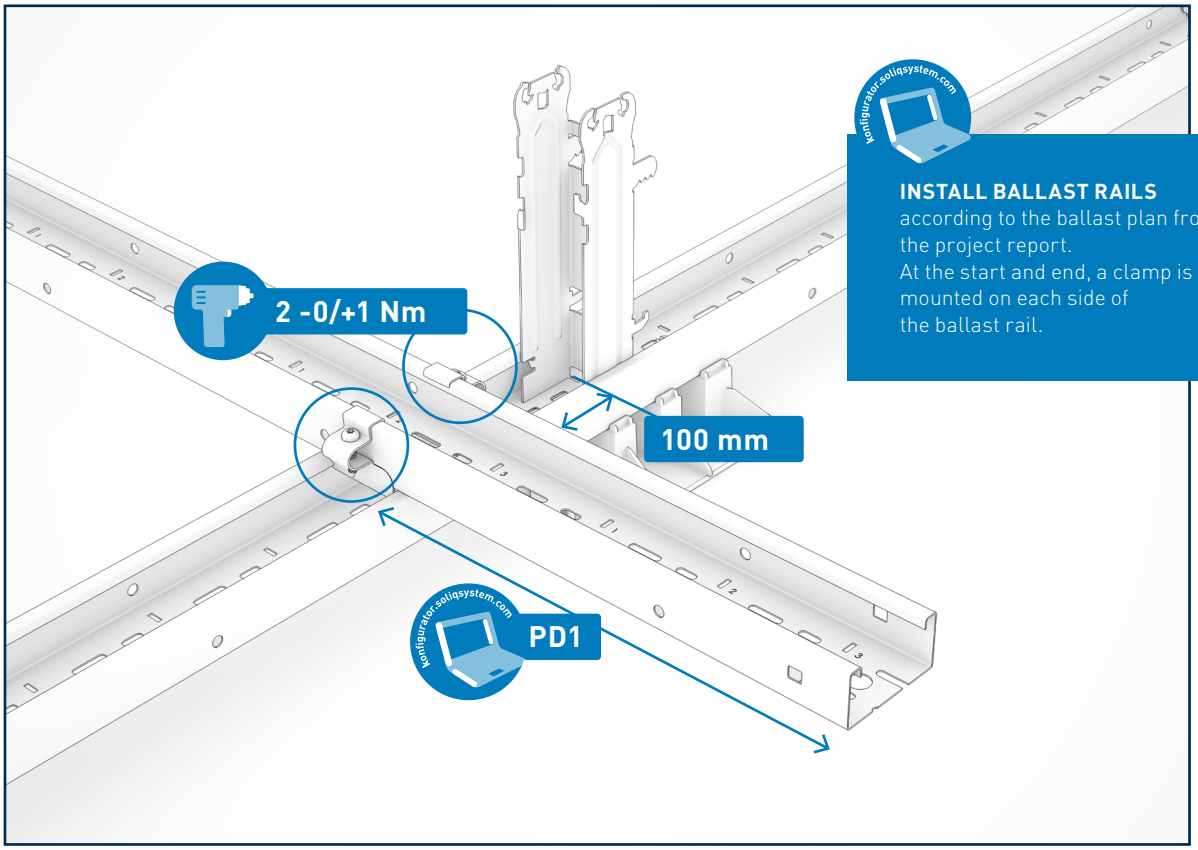


When the first three rows are adjusted, the measuring rods are moved further so that they start from row three for the next adjustment.

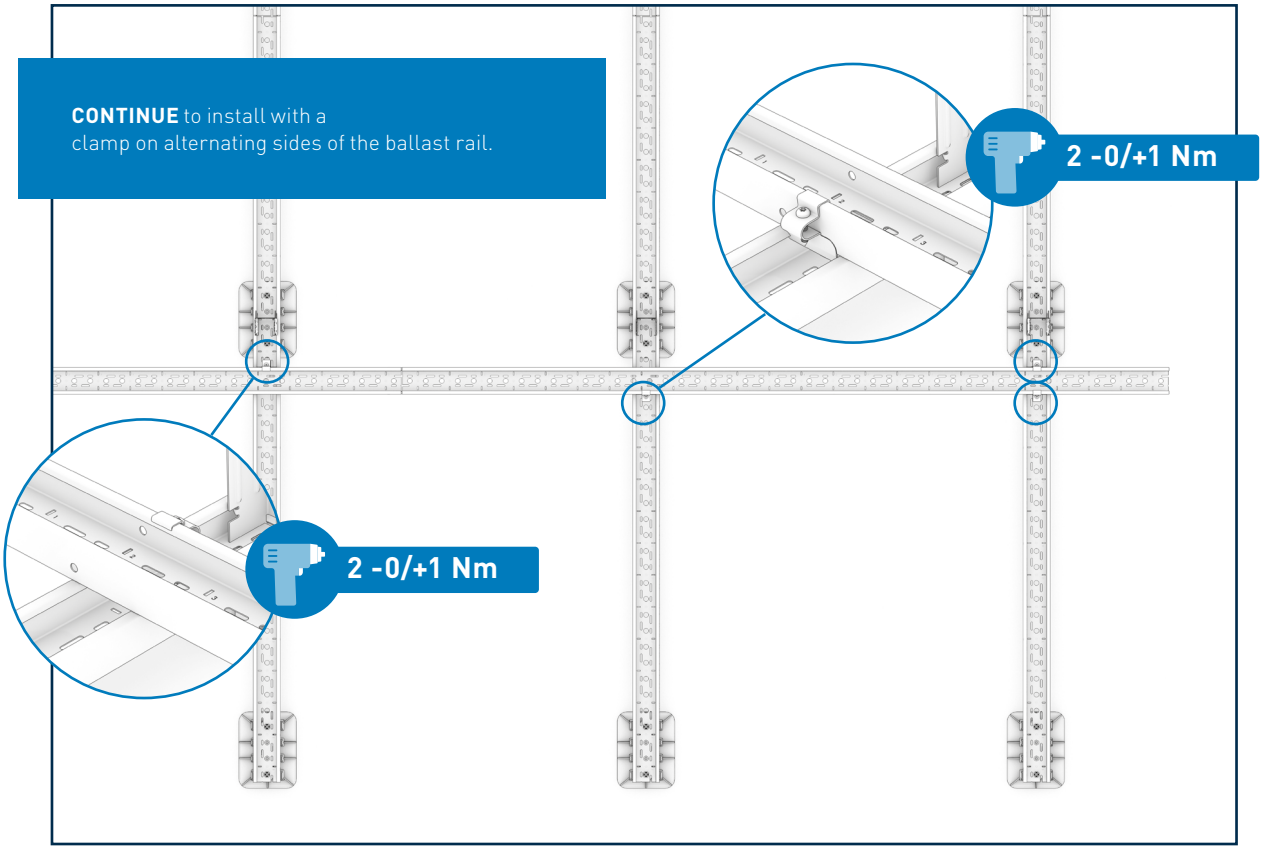
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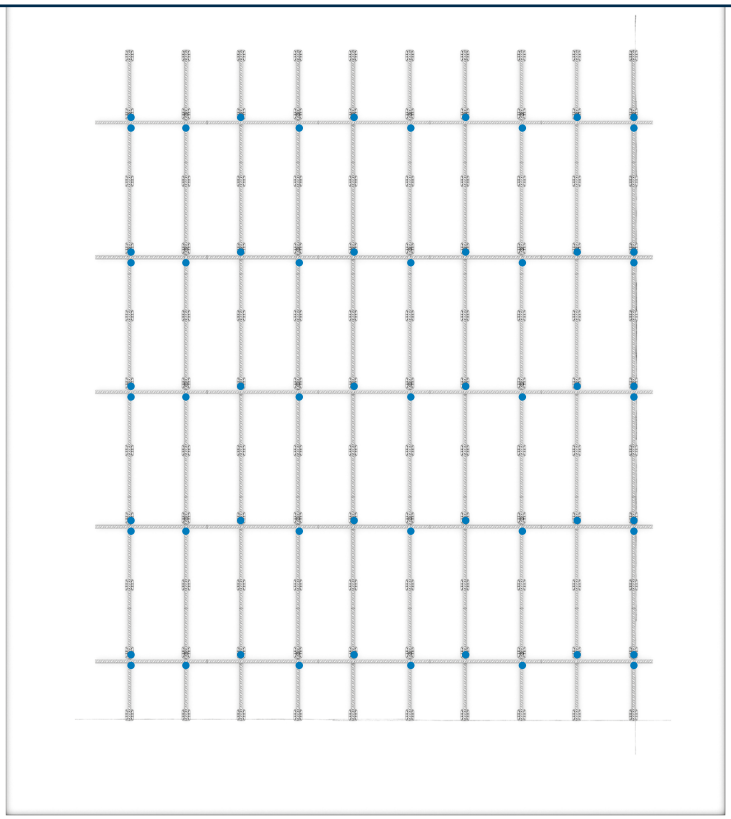
15


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INSTALL BALLAST RAILS
according to the ballast plan from the project report.
At the start and end, a clamp is mounted on each side of the ballast rail.
2 -0/+1 Nm
100 mm
konfigurator.soliqsystem.com
PD1

16

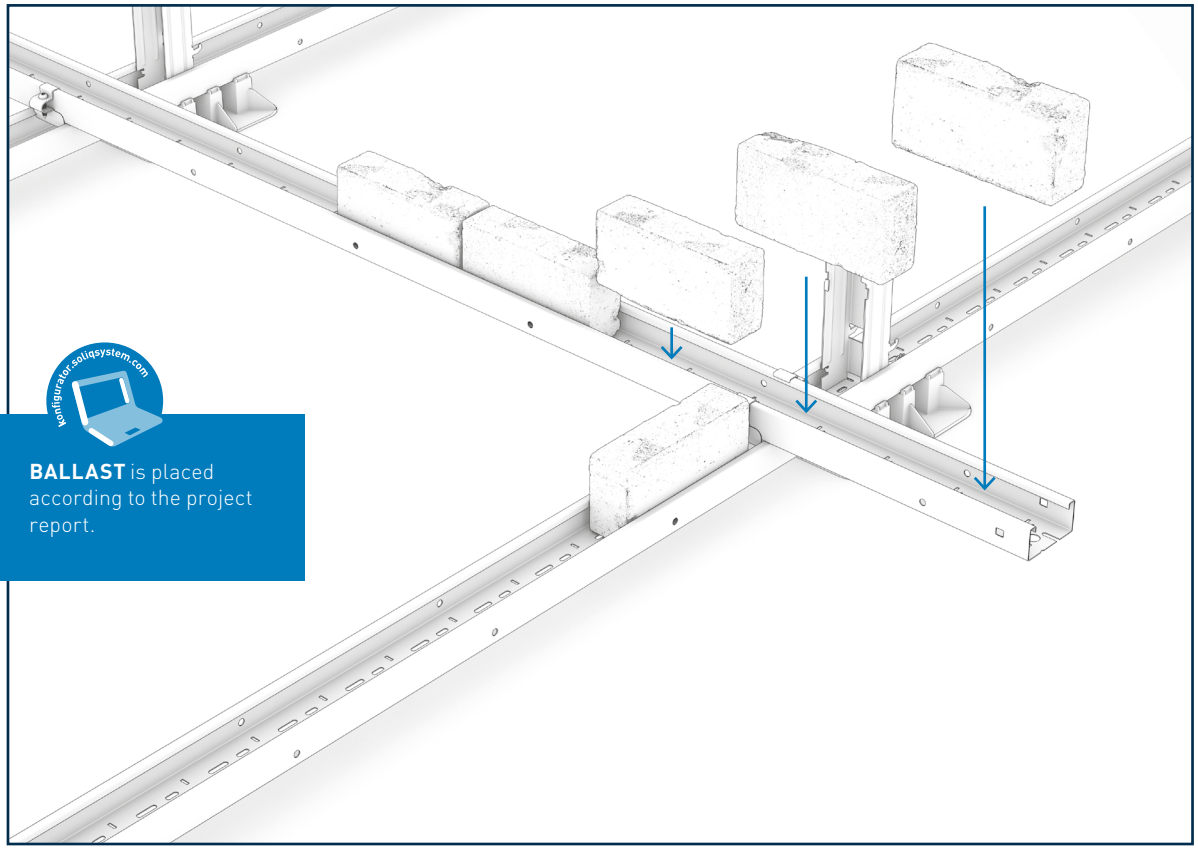

CONTINUE to install with a clamp on alternating sides of the ballast rail.
2 -0/+1 Nm
2 -0/+1 Nm

17



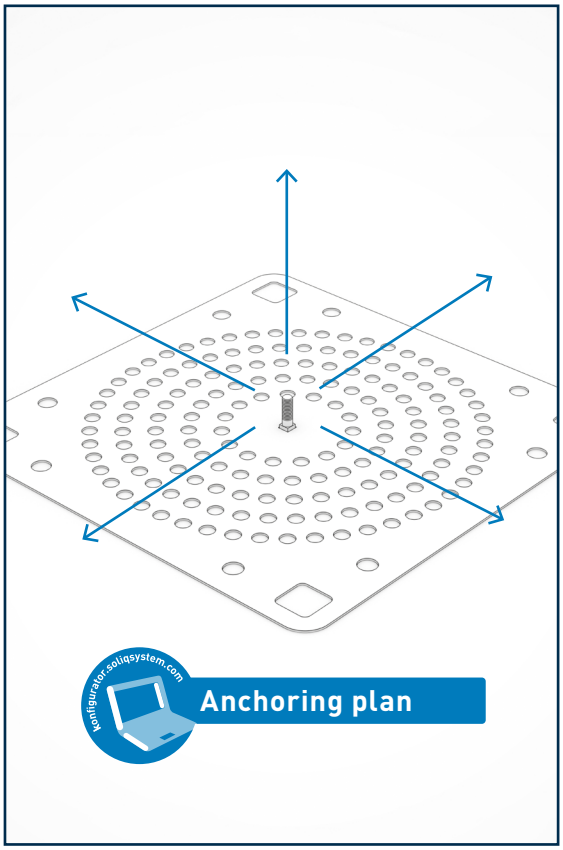
CLAMPS
distribution over the system.

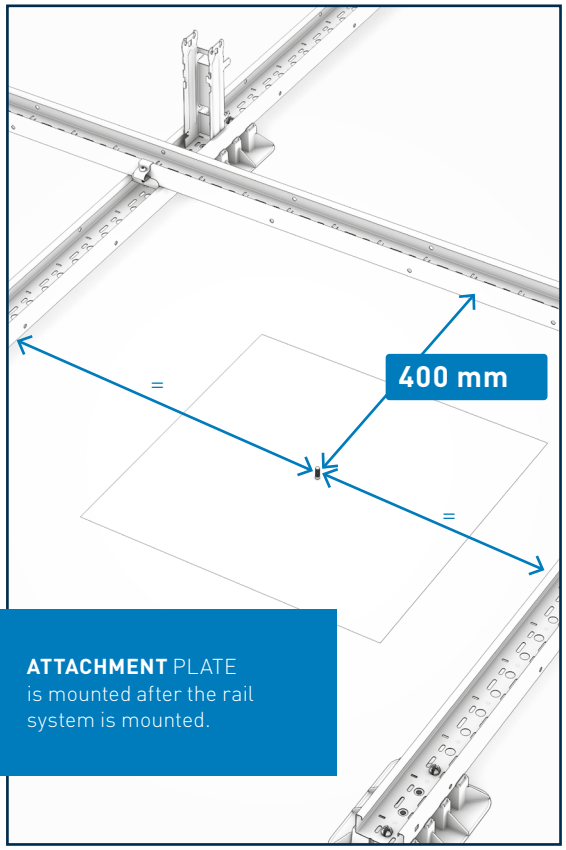
18



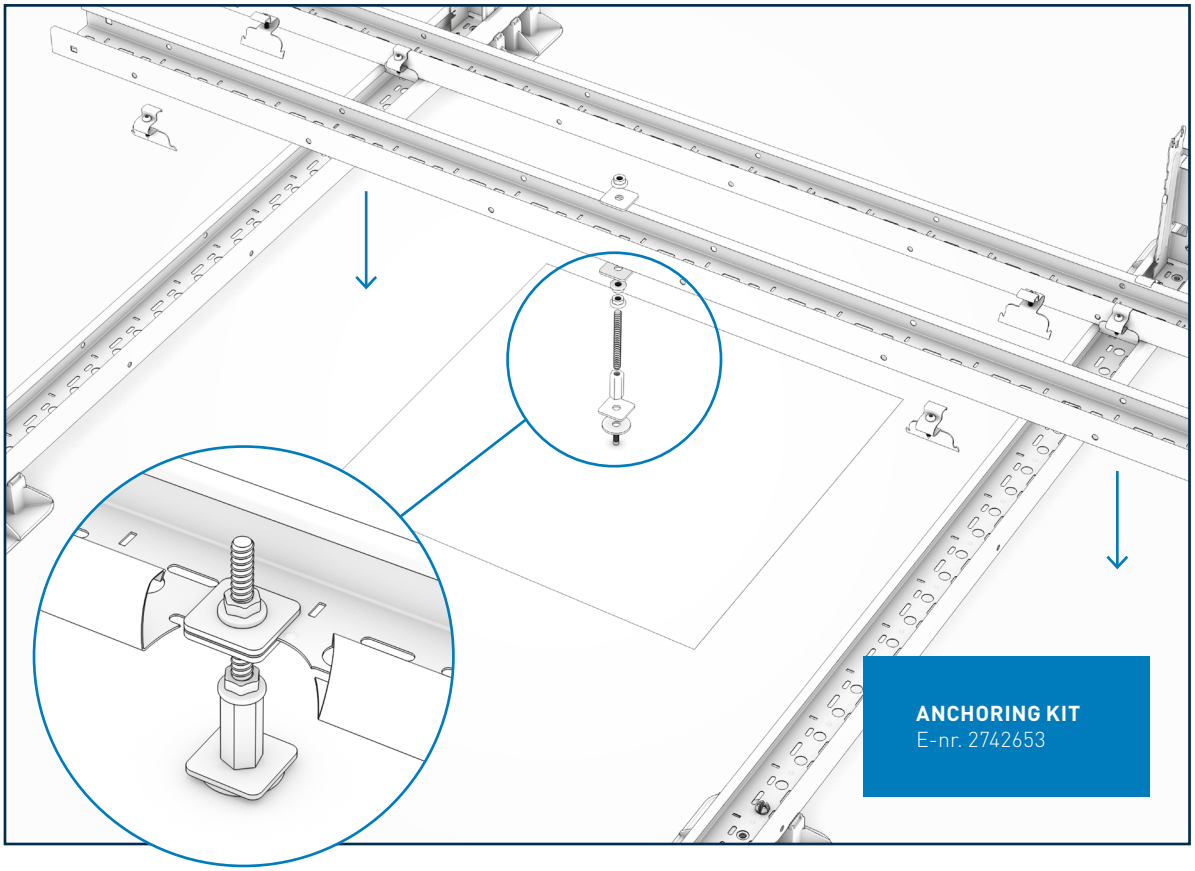
BALLAST is placed according to the project report.

19

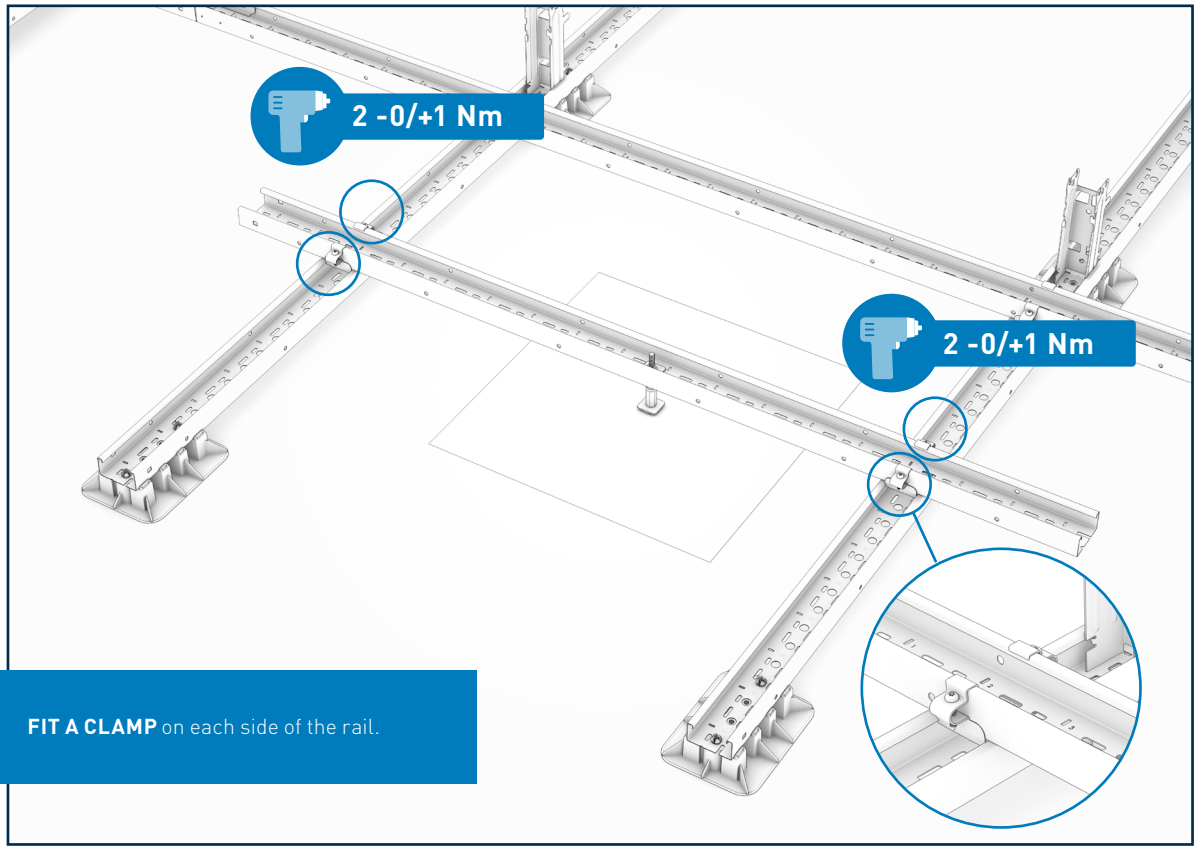

konfigurator.soliqsystem.com
Anchoring plan


400 mm
=
=
ATTACHMENT PLATE
is mounted after the rail
system is mounted.

20


ANCHORING KIT
E-nr. 2742653

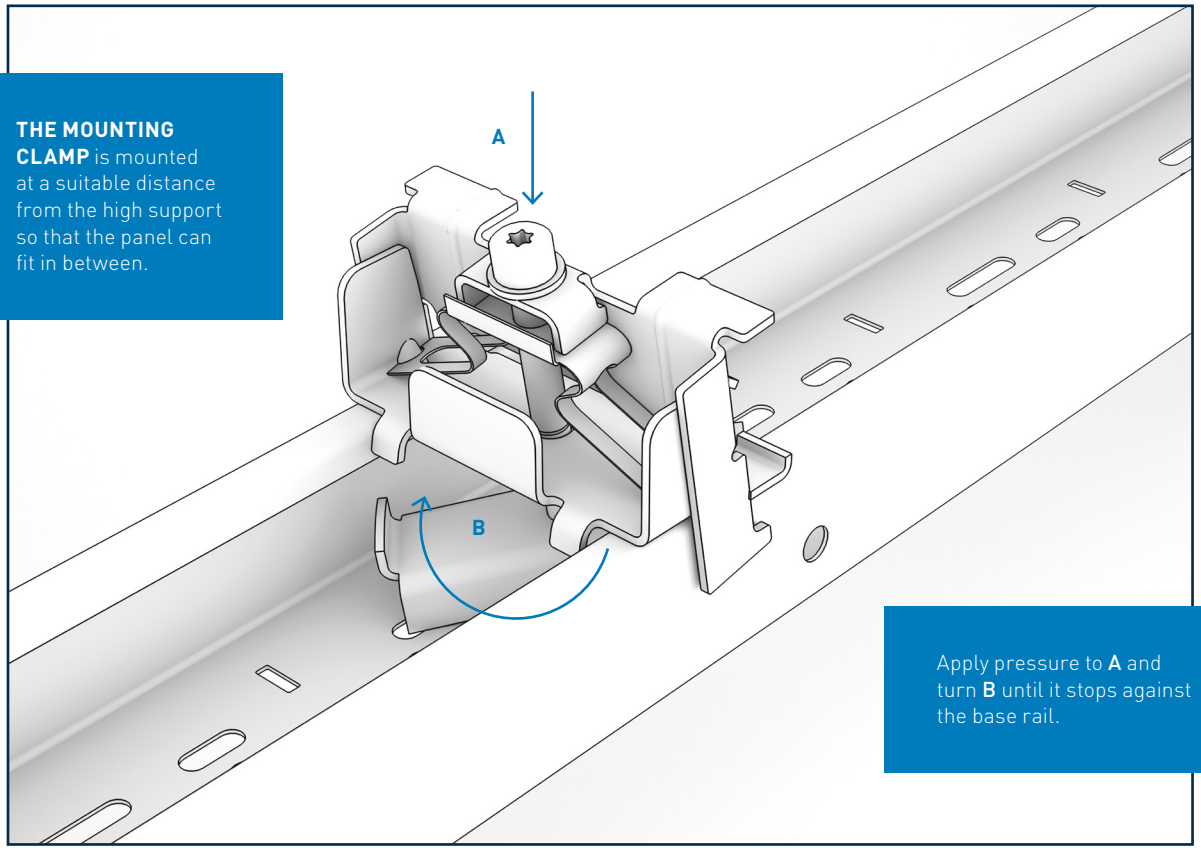
21



FIT A CLAMP on each side of the rail.

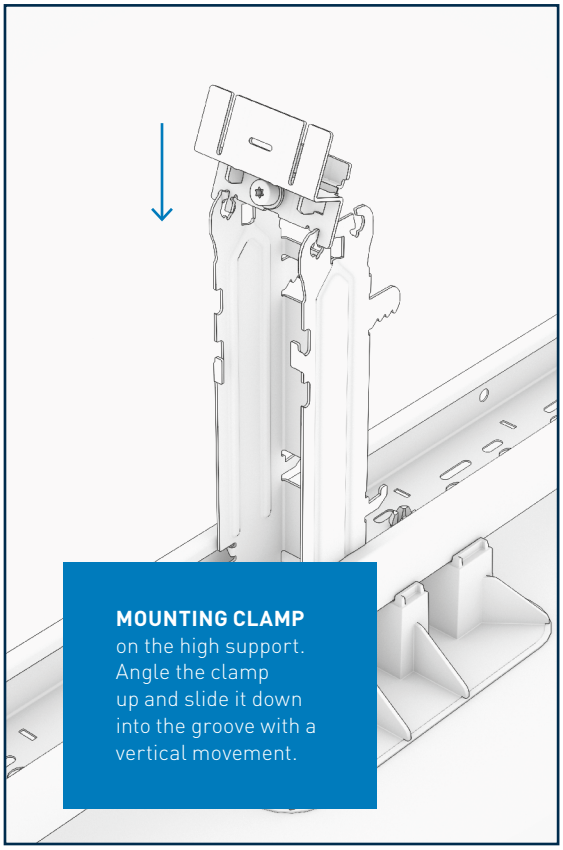
22

THE MOUNTING CLAMP is mounted at a suitable distance from the high support so that the panel can fit in between.

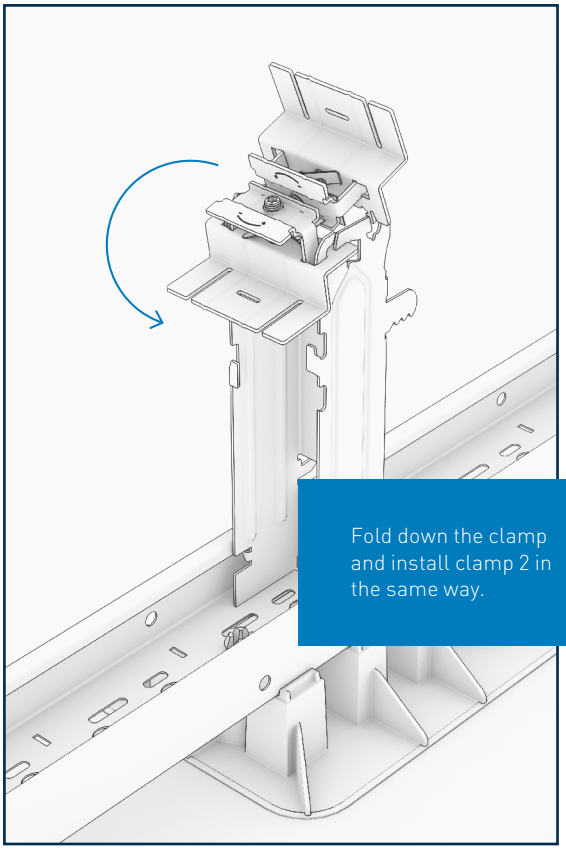


Apply pressure to **A** and turn **B** until it stops against the base rail.

23

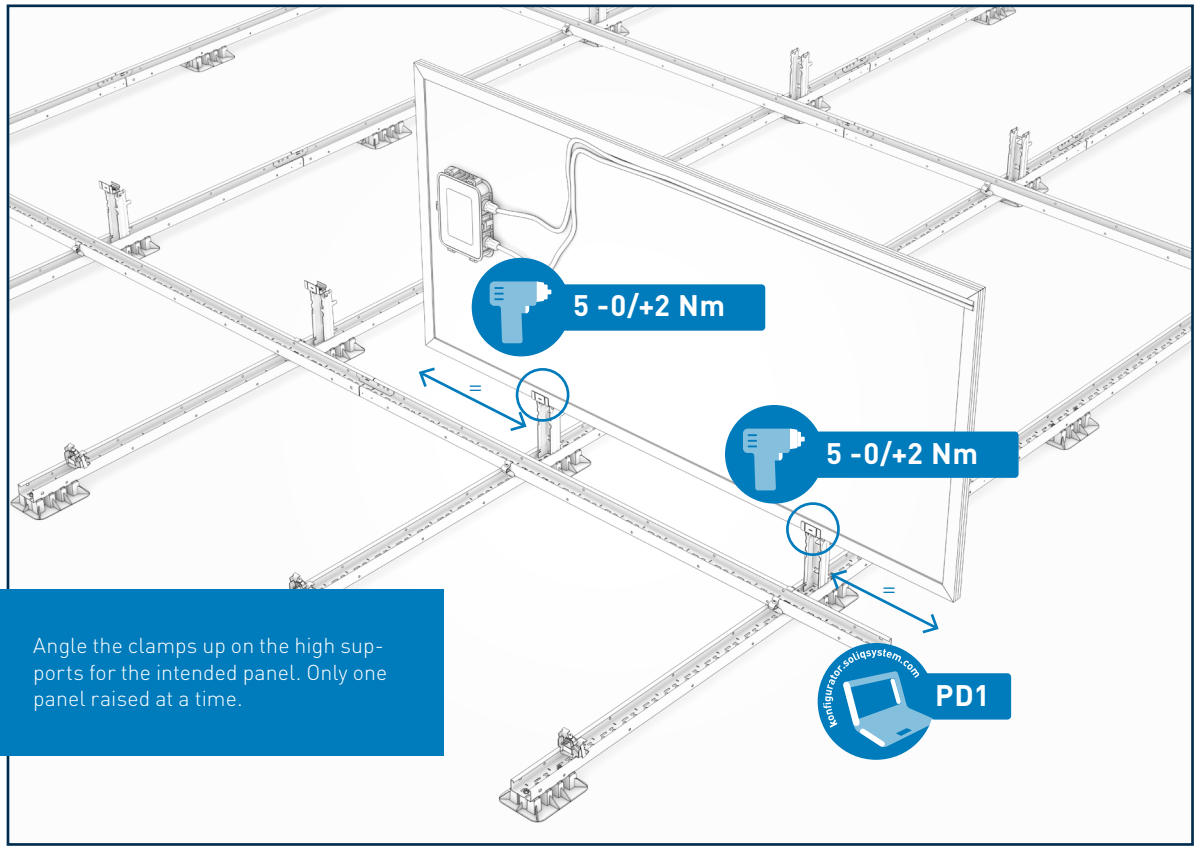


MOUNTING CLAMP on the high support. Angle the clamp up and slide it down into the groove with a vertical movement.



Fold down the clamp and install clamp 2 in the same way.

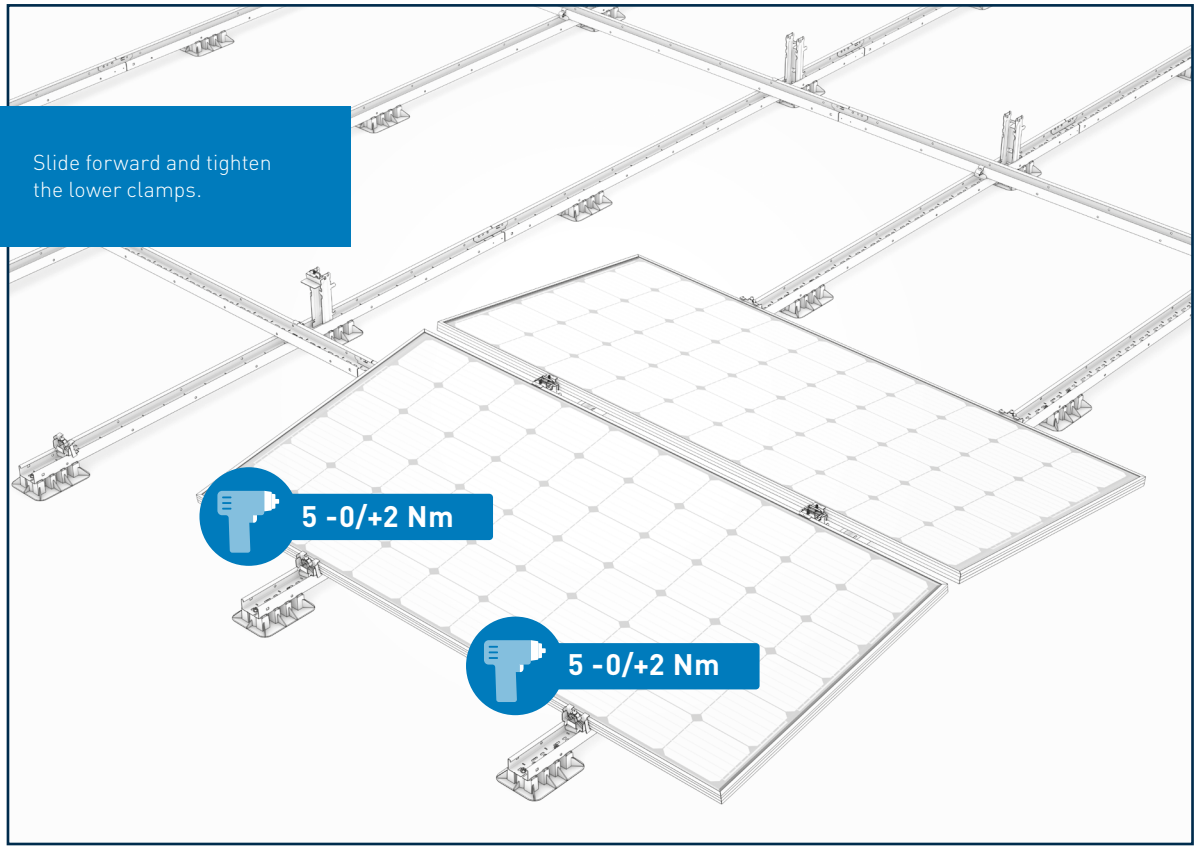
24



Angle the clamps up on the high supports for the intended panel. Only one panel raised at a time.

EAST/WEST SYSTEM

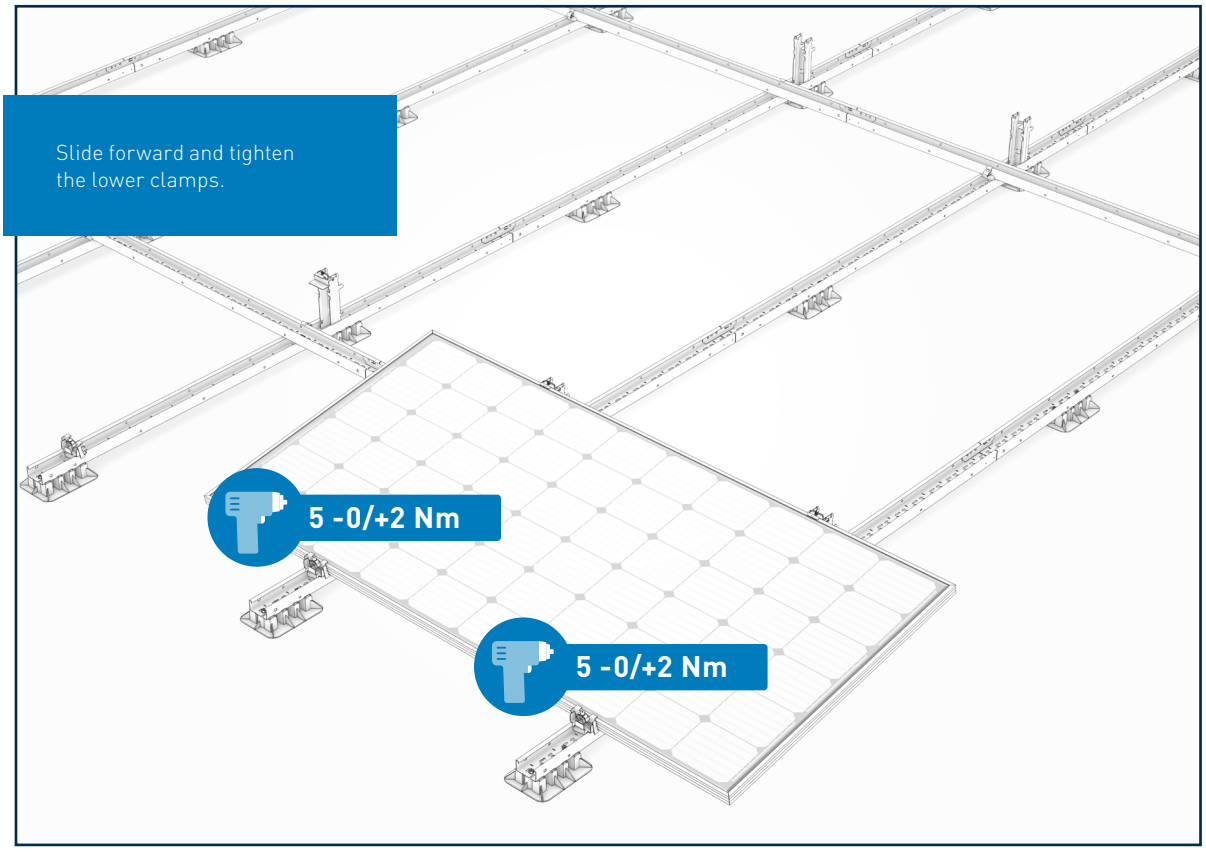
25



Slide forward and tighten the lower clamps.

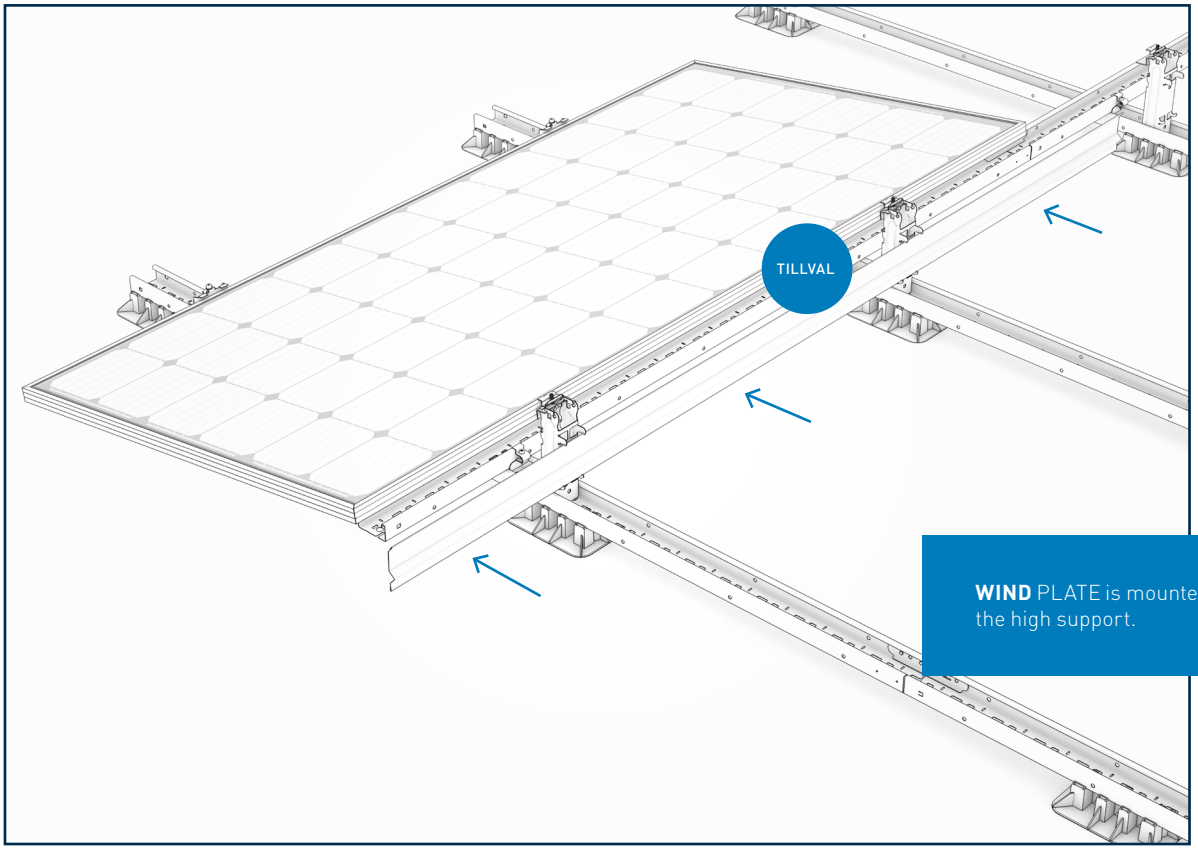
SOUTH SYSTEM

26

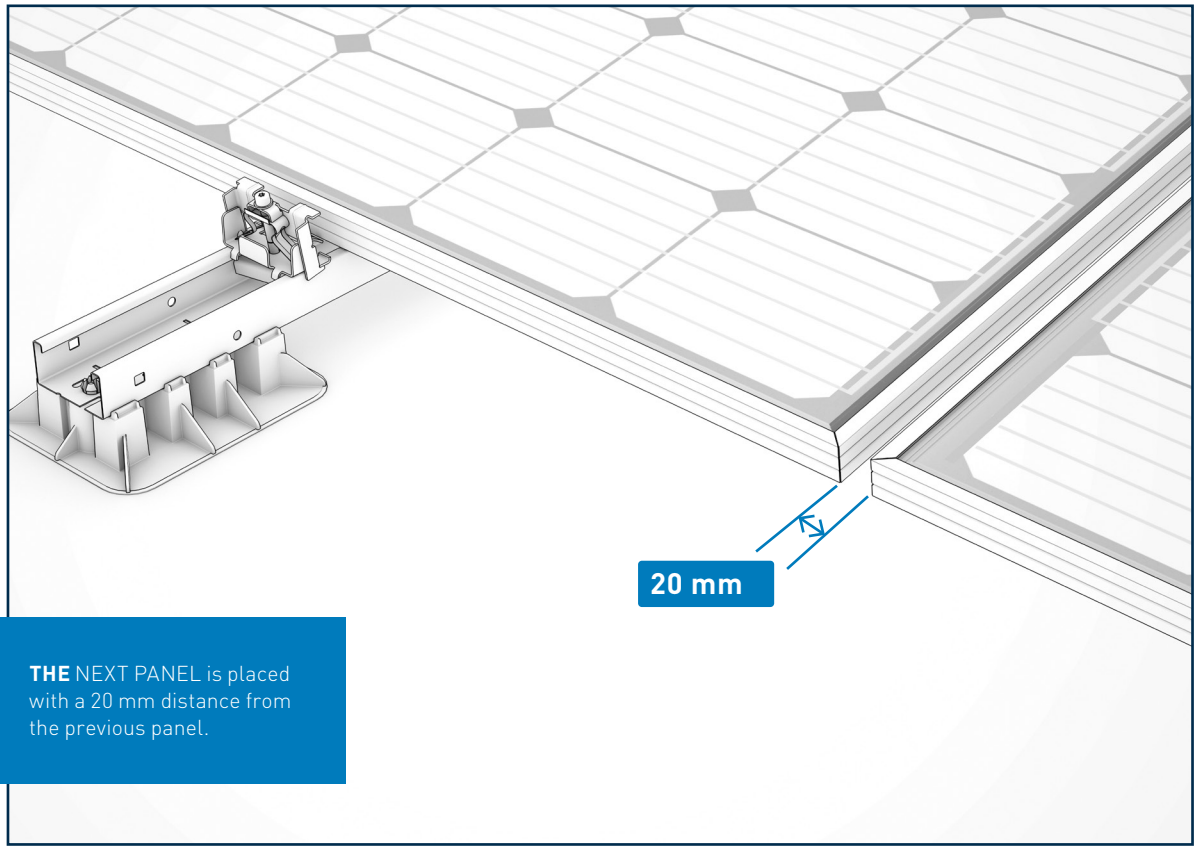


SOUTH SYSTEM

27



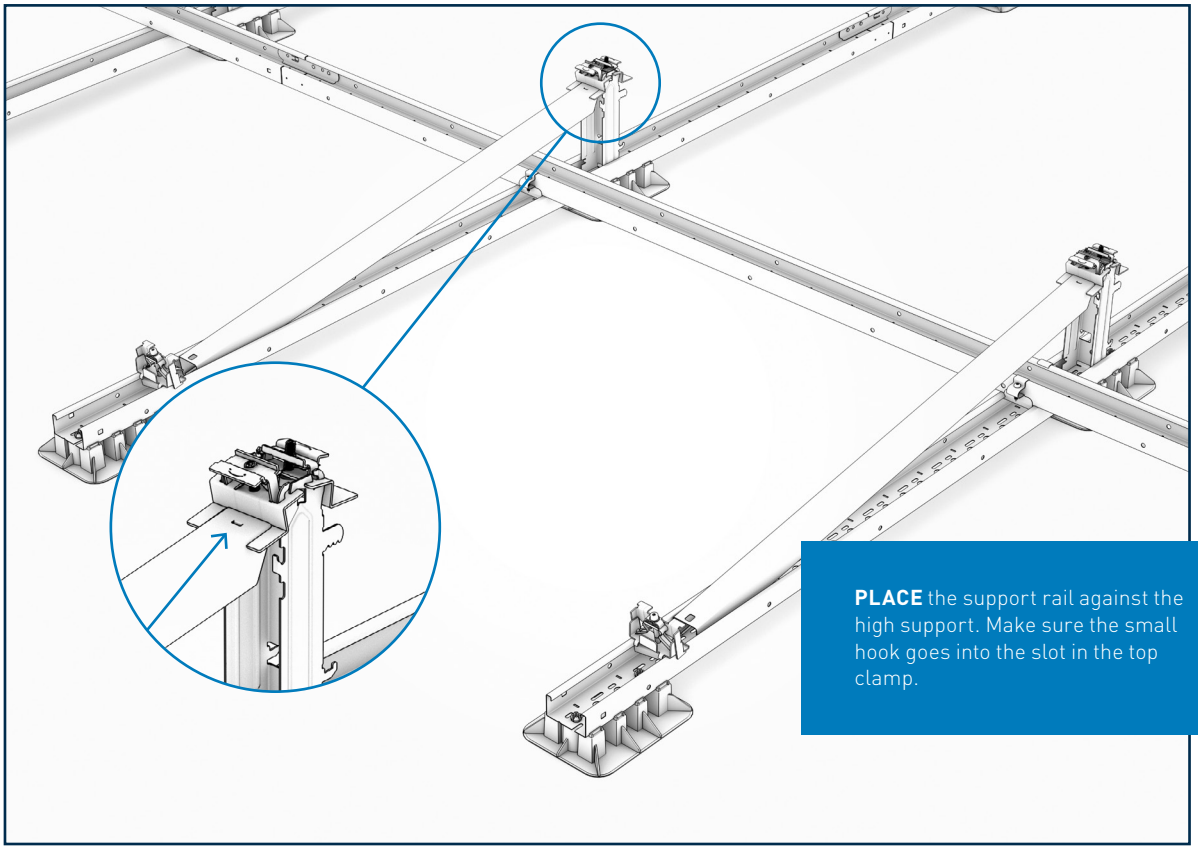
28



THE NEXT PANEL is placed with a 20 mm distance from the previous panel.

OPTIONAL SUPPORT RAIL

29



PLACE the support rail against the high support. Make sure the small hook goes into the slot in the top clamp.

Checklist

- [ ] Address verified against project report
- [ ] Typography verified against project report
- [ ] Input to configurator and project report conforms with conditions for assembly
- [ ] Condition and load-bearing capacity of the roof checked and approved
- [ ] Placement on roof, alignments checked
- [ ] Fixation on panel is correctly positioned
- [ ] Assembly correctly carried out and all clamps tightened
- [ ] Ballast correctly placed
- [ ] Requirements for attachment plates comply with requirements
- [ ] Anchorages have been carried out correctly

SOLIQ
BY MP BOLAGEN

MP bolagen Industri AB
Box 3, 574 21 Vetlanda, sweden
Tel. +46 383 76 36 00
info@mpbolagen.se
soliqsystem.com