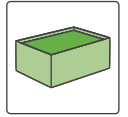
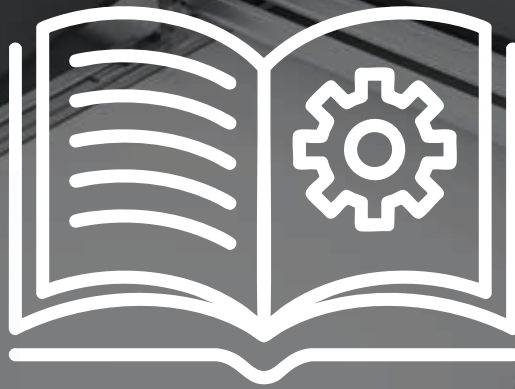


Flat Roof

Flat Roof System II & III



Position Securing



Additional Installation Instructions

- Tools, Required Components and Optional Components **4**
- Installation of the Position Securing **5**

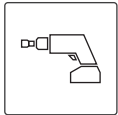


Version
1.0

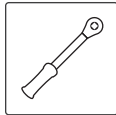
General Installation Instructions

The position securing set is installed as part of the novotegra flat roof II and III mounting systems. The general safety, installation and maintenance instructions for the respective system apply and can be found at www.novotegra.com/downloads.

Tools



Screwdriver



03-000037
Torque wrench
20 – 100 Nm

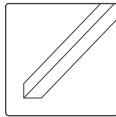


03-000011
Special nut socket
18 mm

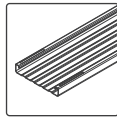
Required Components



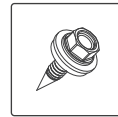
03-001807
Position Securing set
with spring



Support brace
20x20x1,5



03-001407
Base trough
150-30 2,20 m

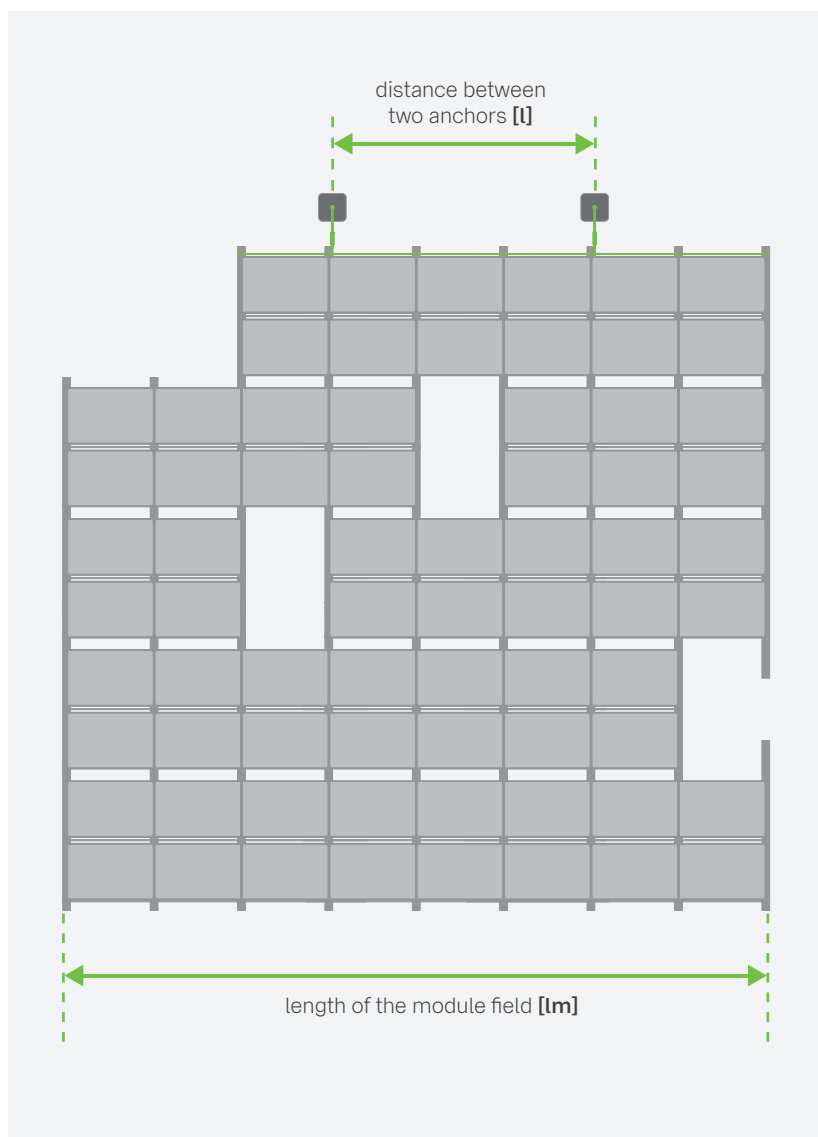


03-000383
Mounting screw 5.5
flat roof chipless

The tools and components shown are indicative and may vary depending on roof type, structural analysis, and project-specific requirements. Images are for illustrative purposes only and may differ from actual delivered components. The installer is responsible for verifying compatibility and compliance with local building codes and safety regulations. For binding specifications, please refer to the latest version of the technical documentation and the EU Declaration of Conformity available at www.novotegra.com/downloads.

Installation of the Position Securing

1 Determine the Position for the Position Securing



A Determine the position for the position securing

The number (n) of position securing sets per module field can be found in the Solar-Planit planning tool. The following rules must be observed when determining the positions:

- The position securing must be placed at the highest point of the module array.
- The position securing sets must be placed evenly across the width of the module field according to the following calculation

$$l = l_m / n$$

l = Distance between two anchors

l_m = Length of the module array (parallel to the ridge)

n = Number of anchors in the module array

i Note:

The module rows or rails must not be interrupted by obstructions or missing modules. If necessary, the determined position must be adjusted accordingly.

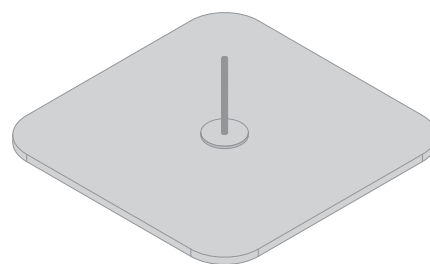
2 Installation of anchors according to the manufacturer's instructions

- A** The anchors must be installed according to the manufacturer's instructions.

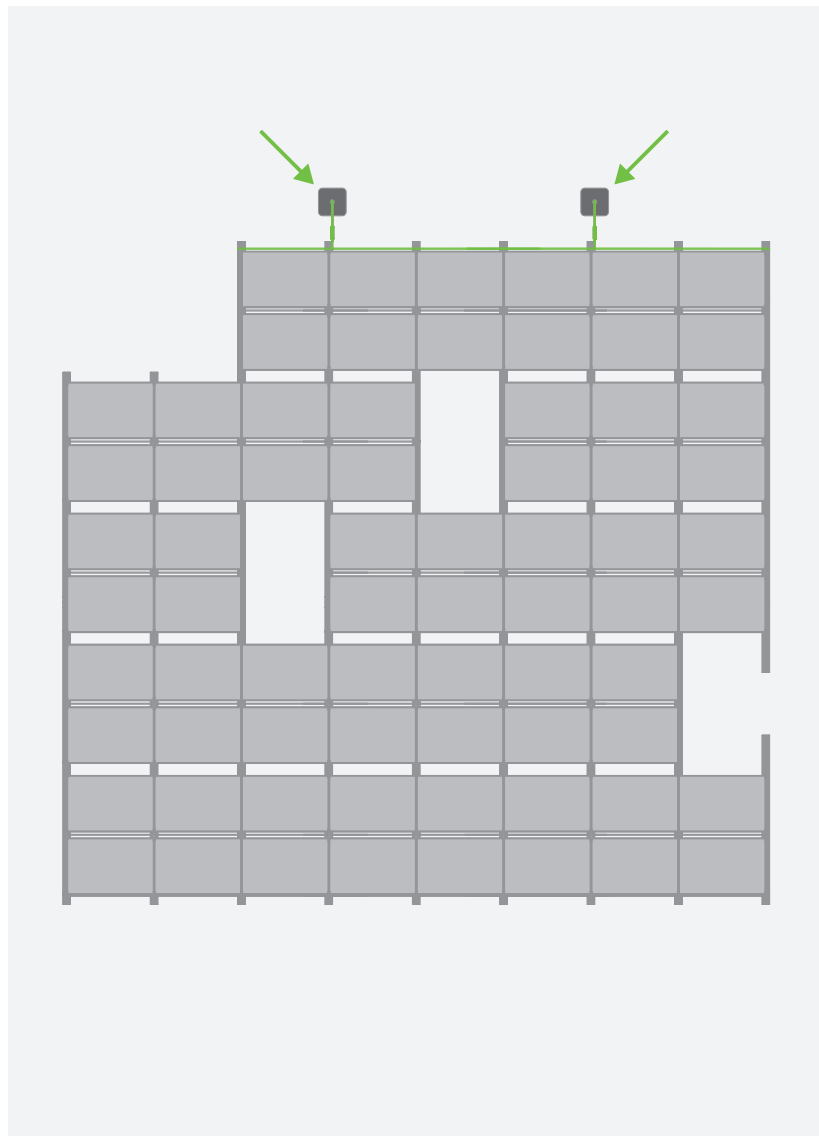
i Note:

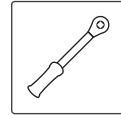
Anchor plates with vertical threaded rods M10/M12 are permitted for installation.

The anchors must be installed on the roof in accordance with the manufacturer's instructions. The applicable standards and guidelines must be observed..



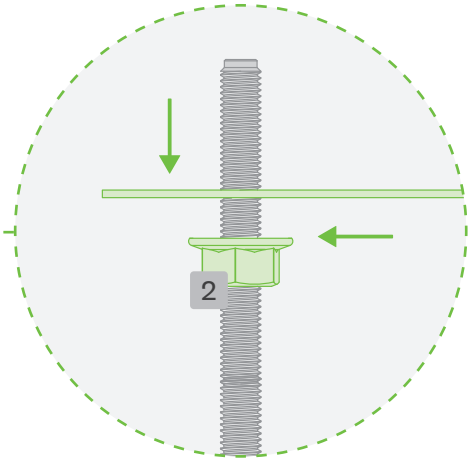
Example illustration of an anchor



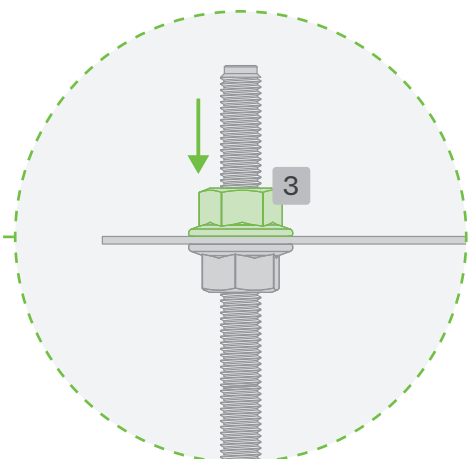


3 Connection of the position securing set to the anchor

- A** The position securing set **1** must be placed on the lower locking nut **2**.

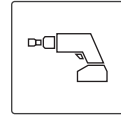


- B** The upper lock nut **3** must be fully screwed on and mounted flush with the position securing set. The upper lock nut must be fully seated in the threaded area of the anchor. The anchor manufacturer's specifications must be checked.



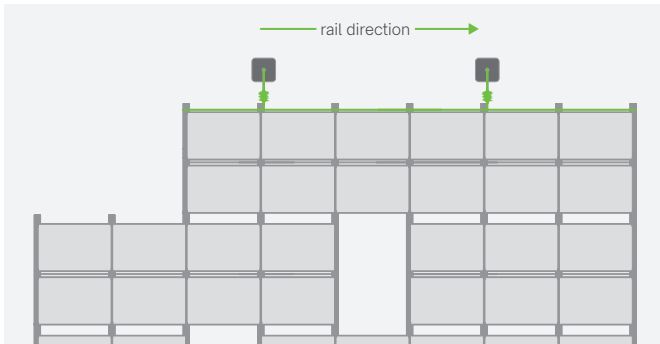
Tightening torque:



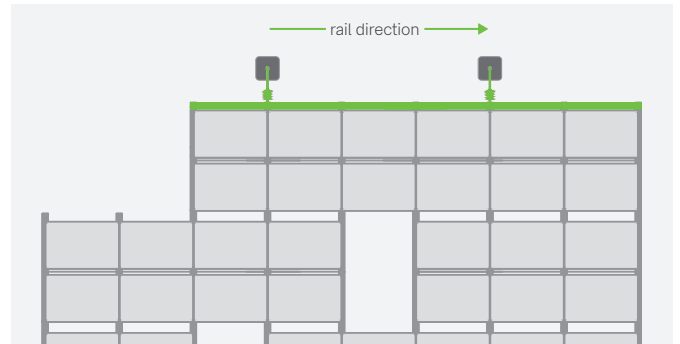


4 Installation of the position securing on the module array

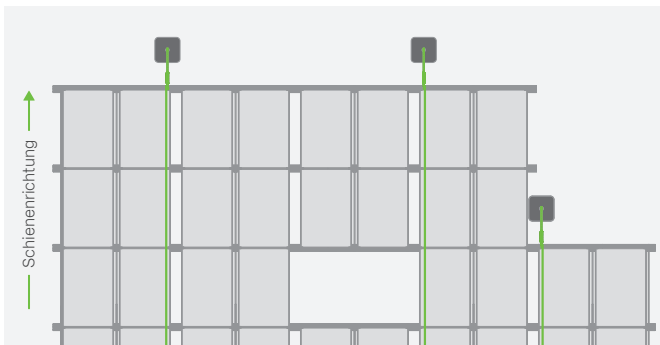
- 4.1 In direction of the rail, outside the module field with support brace as a connecting rail 7



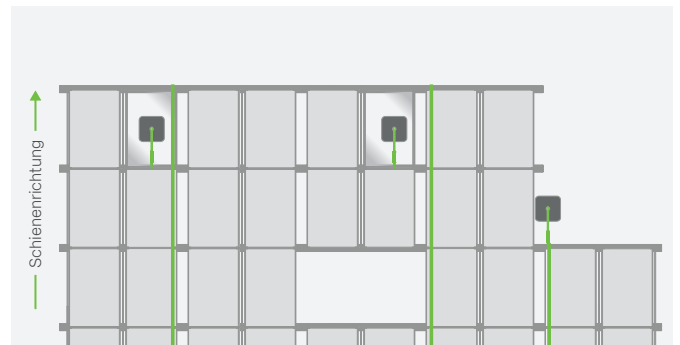
- 4.2 In direction of the rails, outside the module field with base trough as a connecting rail 8



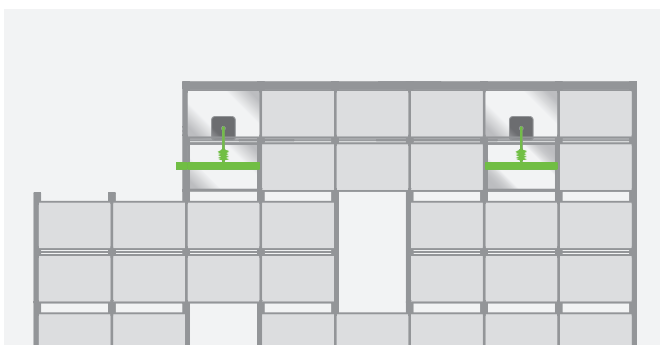
- 4.3 Crosswise to the rail direction, outside the module field with support brace as a connecting rail 9



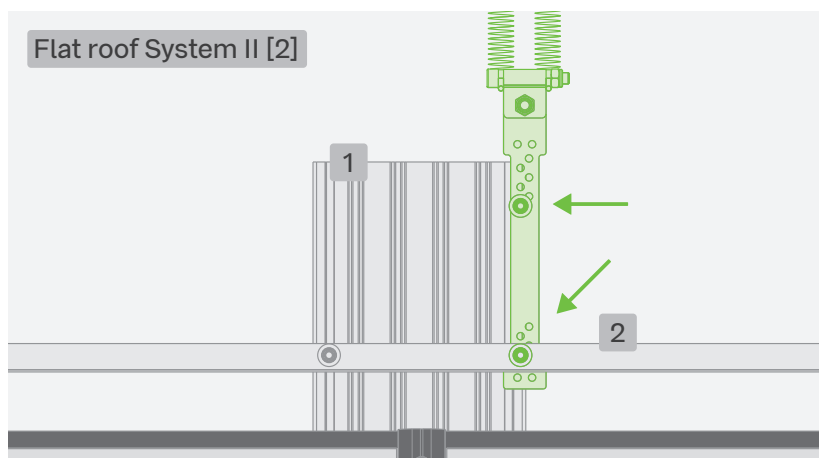
- 4.4 Crosswise to the rail direction, below the module field with support brace as a connecting rail 10



- 4.5 In direction of the rails, below the module field with base trough as a connecting rail 11



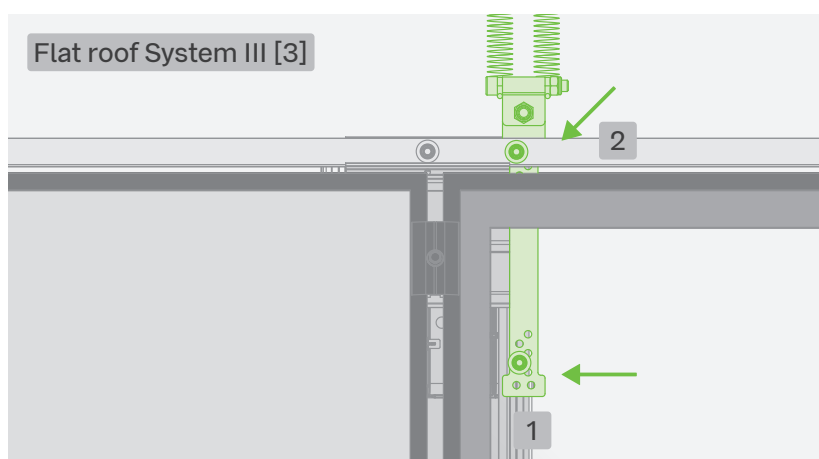
4.1 In direction of the rail, outside the module field with support brace as a connecting rail



- A** The position securing set must be positioned on the base trough/edge closure set **1**.

The support brace **2** must be placed over the hole pattern of the position securing set.

- B** The position securing set must be screwed in place with two screws. The support brace must also be screwed in place.

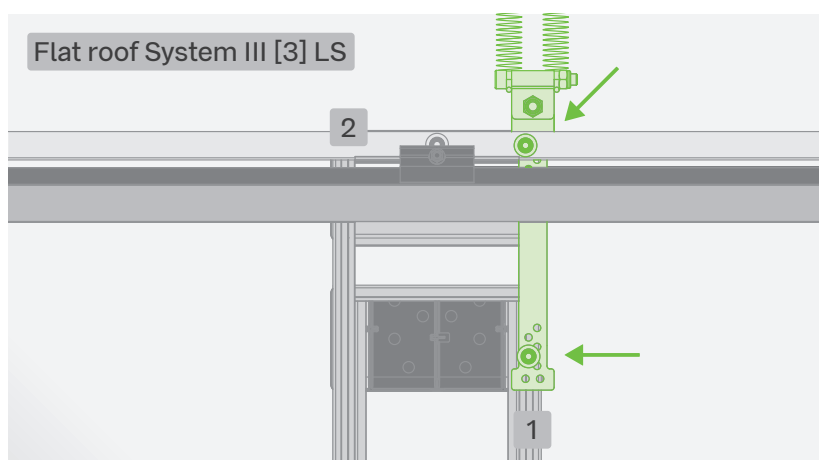


2x

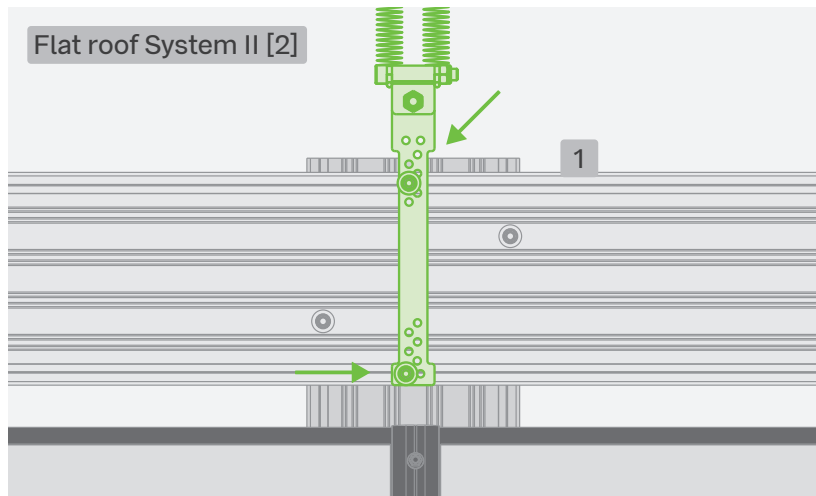
03-000383



- i Note:**
After installation, the position securing set must not come into contact with the roof covering.



4.2 In direction of the rails, outside the module field with base trough as a connecting rail



- A** The position securing set must be screwed into the connecting rail **1** with two screws.

2x

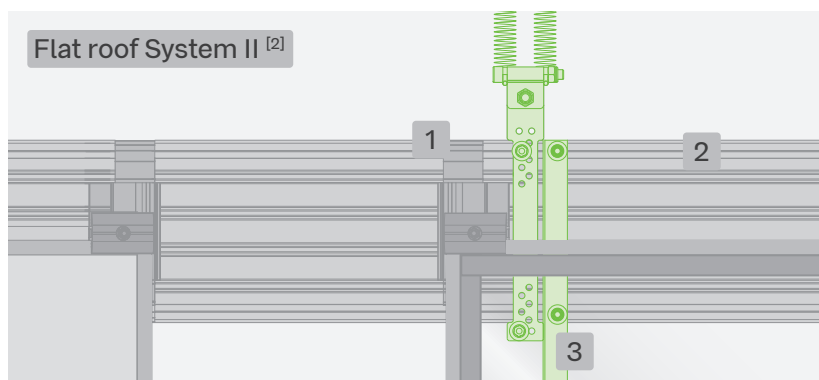
03-000383



i Note:

After installation, the position securing set must not come into contact with the roof covering.

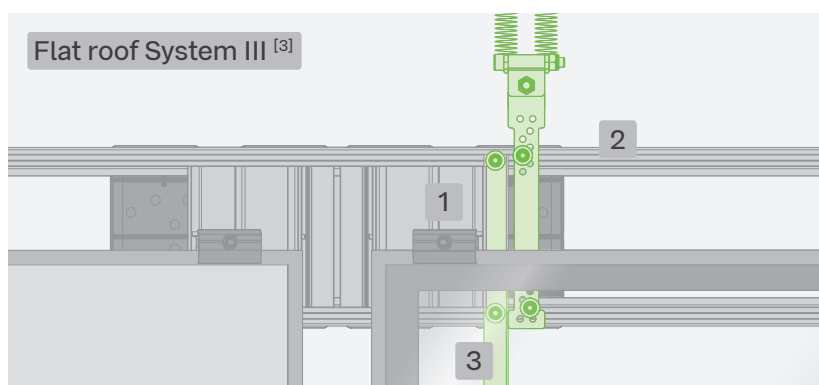
4.3 Crosswise to the rail direction, outside the module field with support brace as a connecting rail



- A** The position securing must be screwed into the base trough/connector set **2** with two screws next to the base foot **1** on the side below the modul.

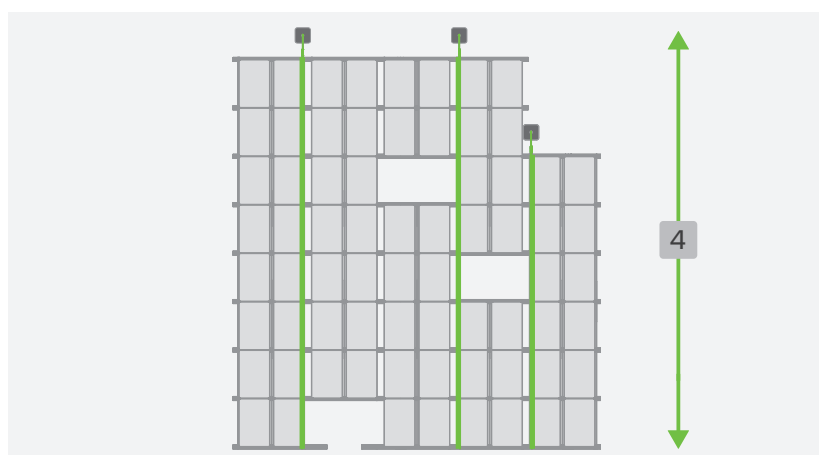
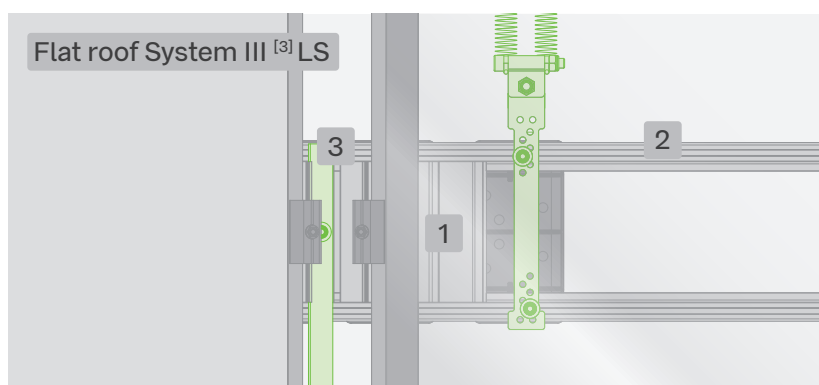
2x

03-000383



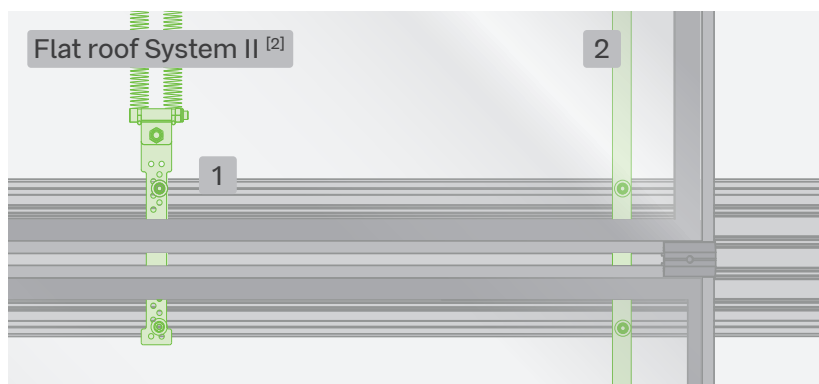
i Note:

After installation, the position securing set must not come into contact with the roof covering.



- B** Next to the position securing set a support brace **3** must installed using two screws. The support brace must also be screwed into the next base trough/connector set using two screws. Repeat this process until a continuous connection **4** to the opposite site of the module field has been created using support braces.

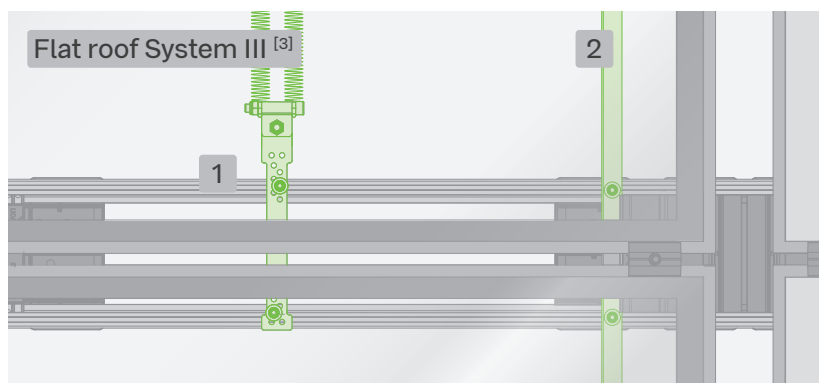
4.4 Crosswise to the rail direction, below the module field with support brace as a connecting rail



- A** The position securing must be screwed into the base trough/connector set **1** centred underneath the module. The position securing set must be screwed in place with two screws.

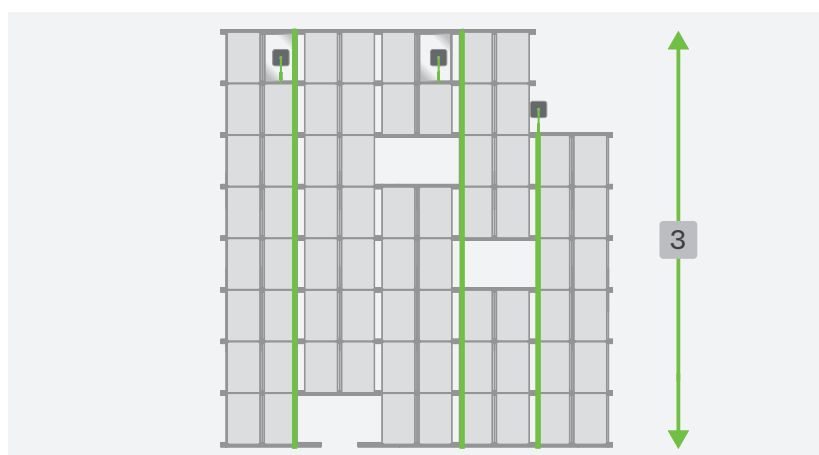
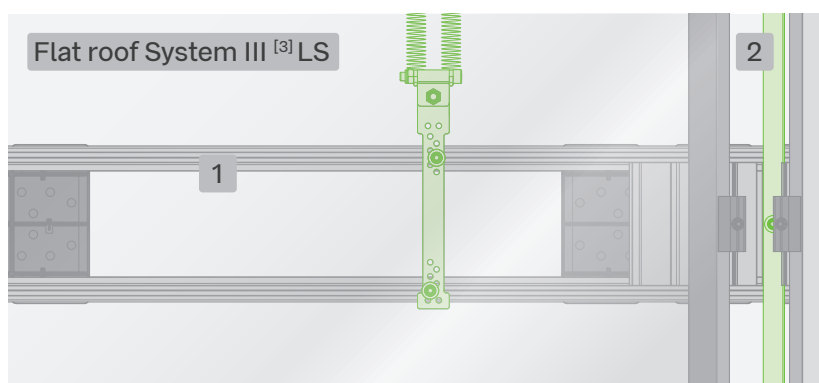
2x

03-000383



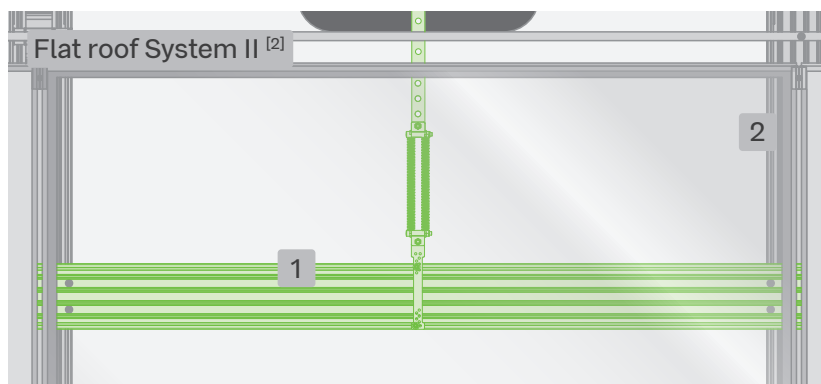
i Note:

After installation, the position securing set must not come into contact with the roof covering.

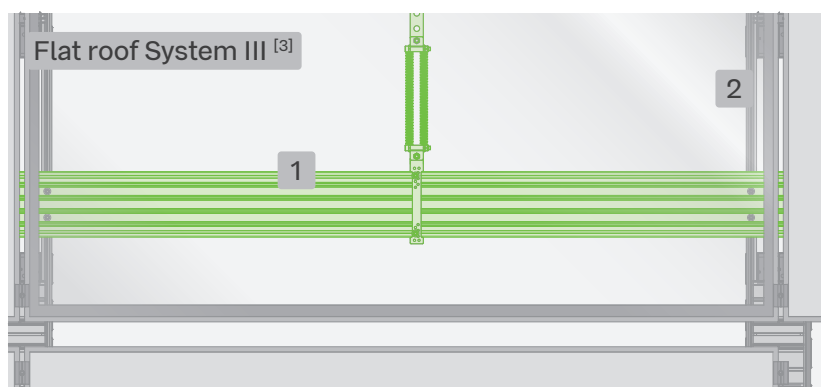


- B** Next to the position securing set a support brace **3** must be installed using two screws. The support brace must also be screwed into the next base trough/connector set using two screws. Repeat this process until a continuous connection **4** to the opposite site of the module field has been created using support braces.

4.5 In direction of the rails, below the module field with base trough as a connecting rail



- A** A base trough **1** must be positioned crosswise to the base troughs/connector sets so that it rests on the base troughs/connector sets underneath **2** at both ends. The upper base trough must be screwed into the base troughs/connector sets **2** underneath on both sides using two screws each.



- B** The position securing must be screwed into the base trough/connector set **1** centred underneath the module. The position securing set must be screwed in place with two screws.

2x

03-000383



i Note:

After installation, the position securing set must not come into contact with the roof covering.

