

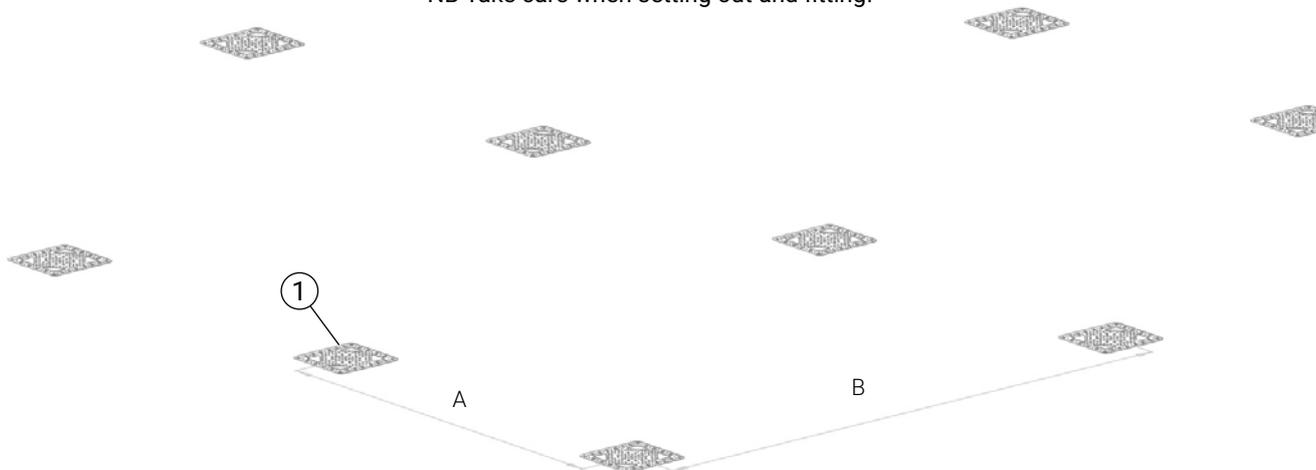
Low sloping solar panel system - east/west-facing short side

Part	Part. no.	
1	OPTI sealing plate	TP3645
2	C-profile solar mount	CP1400
3	Solar cell rail	IS2450
4	Support plate	SP3328
5	Low mount 10°	LL1005
6	Centre mount 10°	LL1010
7	Self-tapping screw 6.3x19 mm 10/100/1000-pack	SS6191/SS6190/SS1000
10	Rubber washer Ø50 M10	GB5010 (GB0010)

Part	Part. no.	
11	Template, low sloping system	LL0020
12	Railing tube 27 mm, length 2.3m	RR2723
13	Spacer washers 50-pack	MB5050
14	Self-tapping screw spacer washer	SS6380
15	End clamps	KL3050
16	Centre clamp	KL2250
17	Set of screws 100 pcs, self-tapping 6.3x51 mm sst	SS6510

Observe the Swedish Work Environment Authority's rules! All work at heights above 2 metres must be carried out using fall protection. Weland Stål can help you create a safe workplace.

Fit the sealing plates on the roof in accordance with separate installation instruction MA5008.
NB Take care when setting out and fitting!



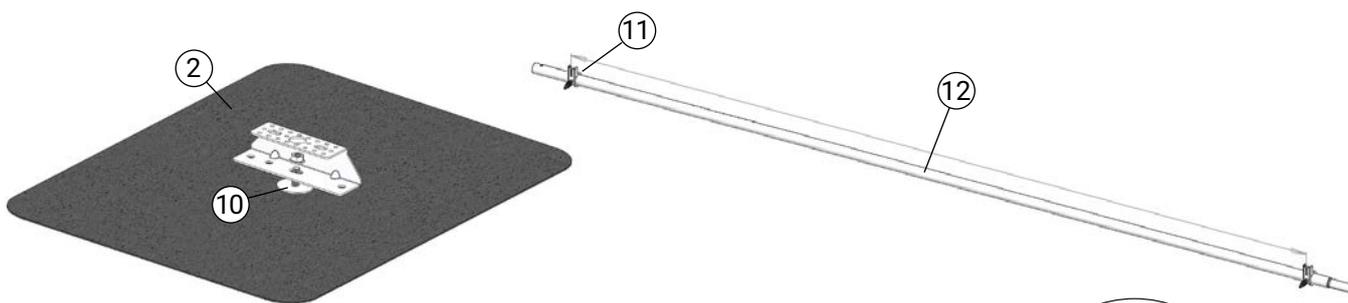
1. Fit the sealing plates

Measure and position the sealing plates (1) for mechanical attachment.

C/C dimension A = length of panel + 20 mm.

C/C dimension B = stated in snow and wind load report.

For setting out and installation instructions, see snow/wind load report.



2. Fit C profiles (2)

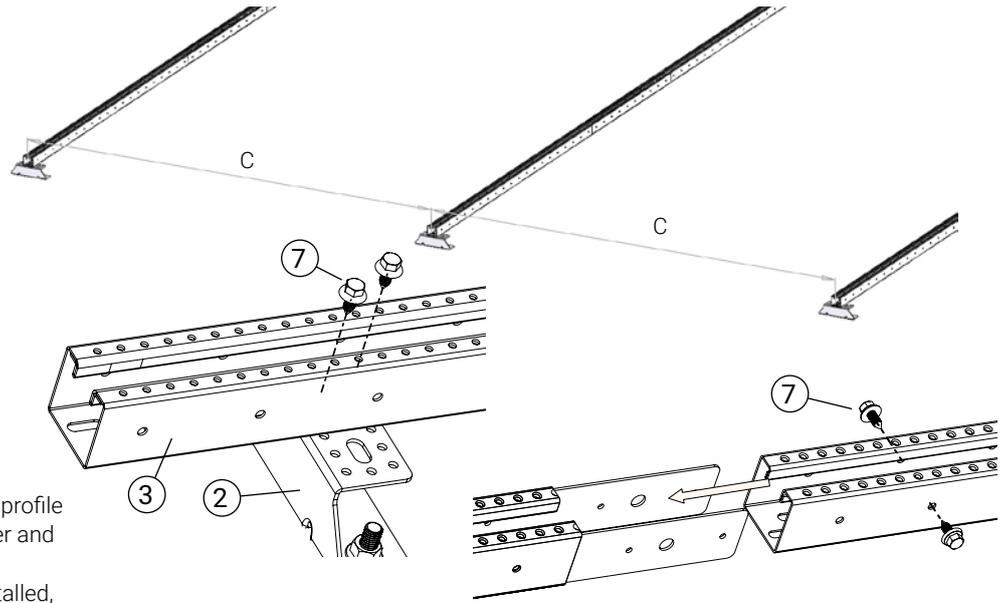
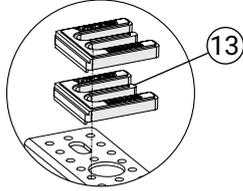
Adjust the templates (11) + (12) for correct c/c dimension between the C profiles (2). C/c dimension A = length of panel + 20 mm. Fit the first C profile (2) in the centre of the oval hole. Don't forget to place the rubber washer (10) under the mount! Tighten the nut with a torque of 20 Nm so that the rubber washer is compressed.

Fit the next C profile (2) and measure out the correct c/c dimension laterally. The nut should then be tightened again to ensure that the roof material is compressed.

C/C dimension B is stated in the snow and wind load report.

Low sloping solar panel system - east/west-facing short side

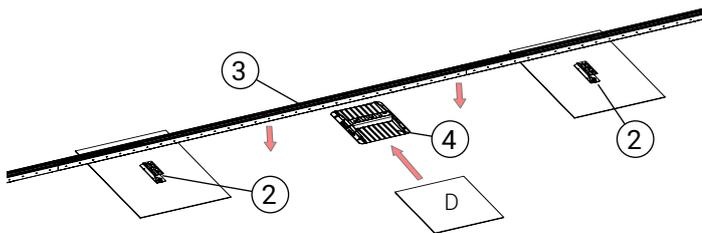
If the roof is uneven, the rows with the mounts (5)(6) may need to be lined up using a marking cord between the first and last mount. Spacer washers (13) with screw (14) may also be used (max 25 mm) to bring the rail to the right level.



3. Fit attachment rails

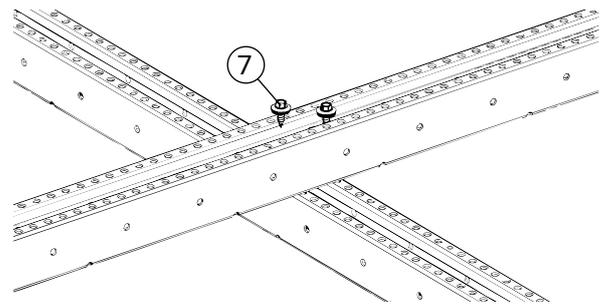
Fit the rail (3) in the middle of the C profile (2) using 2 screws (7). Slide together and screw 2 screws (7) at the joint.

If the C profiles (2) are correctly installed, the attachment rails (3) will now have the correct c/c dimension (C).



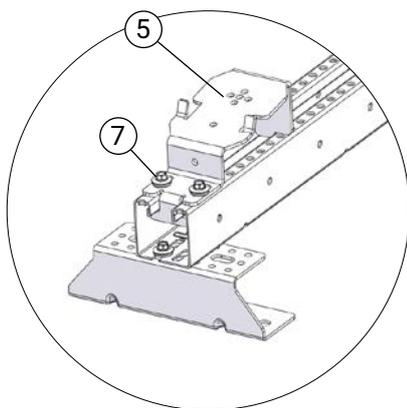
4. Fit support plates

Place support plates (4) with protective pad (D) at least as large as the support plate. Install the support plate in the rail (3) with the **click**-function between the fixed c-profiles (2). The number of support plates is specified in the snow and wind load report.



5. Crossing of rails

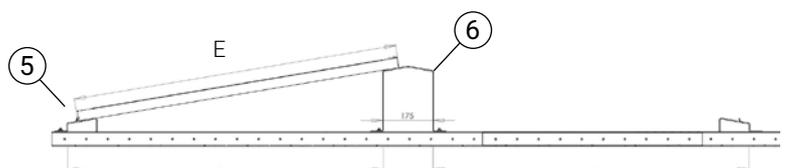
When crossing rails, the upper rail is mounted to the lower one with 2 screws (7).



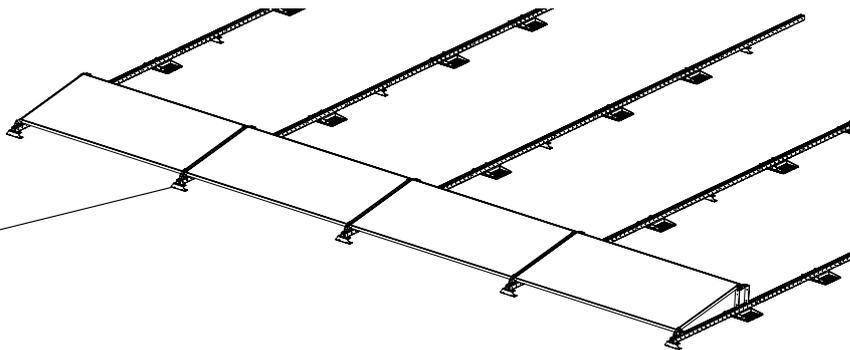
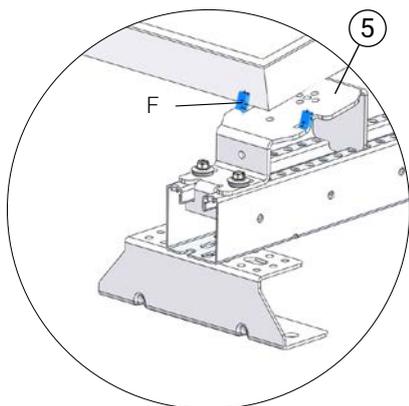
6. Fit the mounts

Fit the first row with low mounts (5) using 2 screws (7) attached to the rail. Measure the centre mount (6) and

fit at the correct distance to the low mount (5), which is determined by the width of the panel (E).

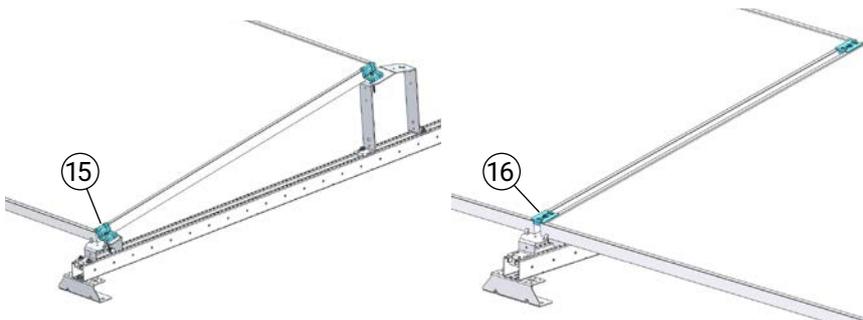


Low sloping solar panel system - east/west-facing short side

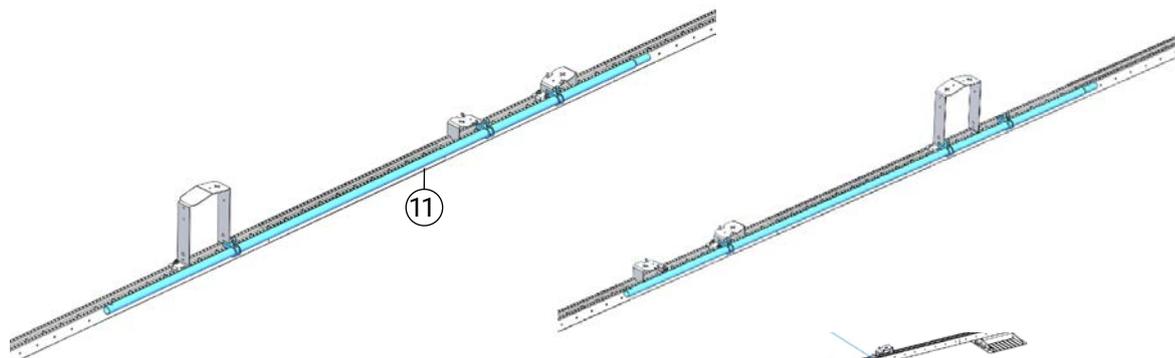
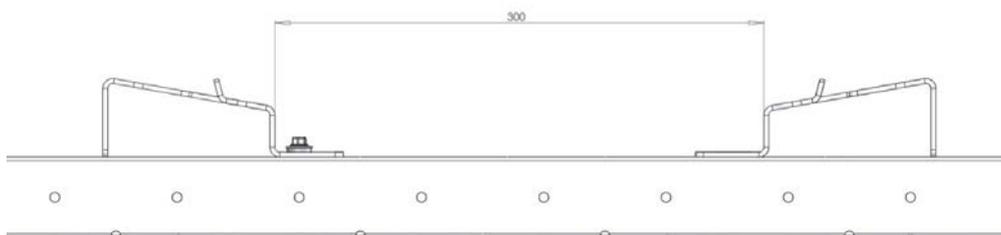
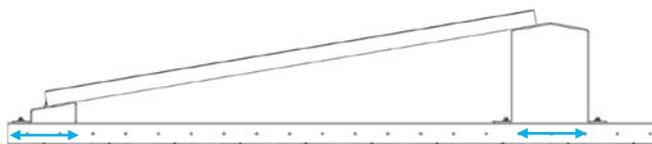


7. Install the first row of panels to check that everything fits as it should.

Lay the first row of panels. The panels should rest against the heels (F) on the low mount (5).
Install end clamps (15) in the outer mounts and centre clamps (16) between the panels.
Tightening torque 10 Nm.
NB - do not use a nut tap on sheet metal screws.



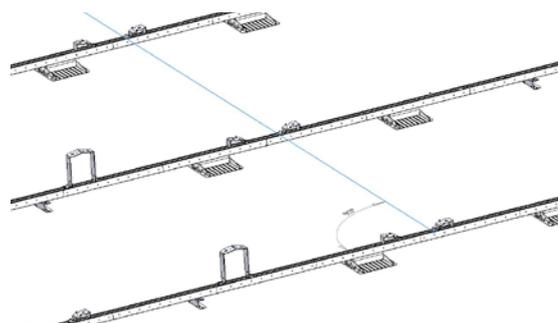
If the roof is uneven, the mounts may need to be adjusted forwards or backwards in order to align the panel rows.

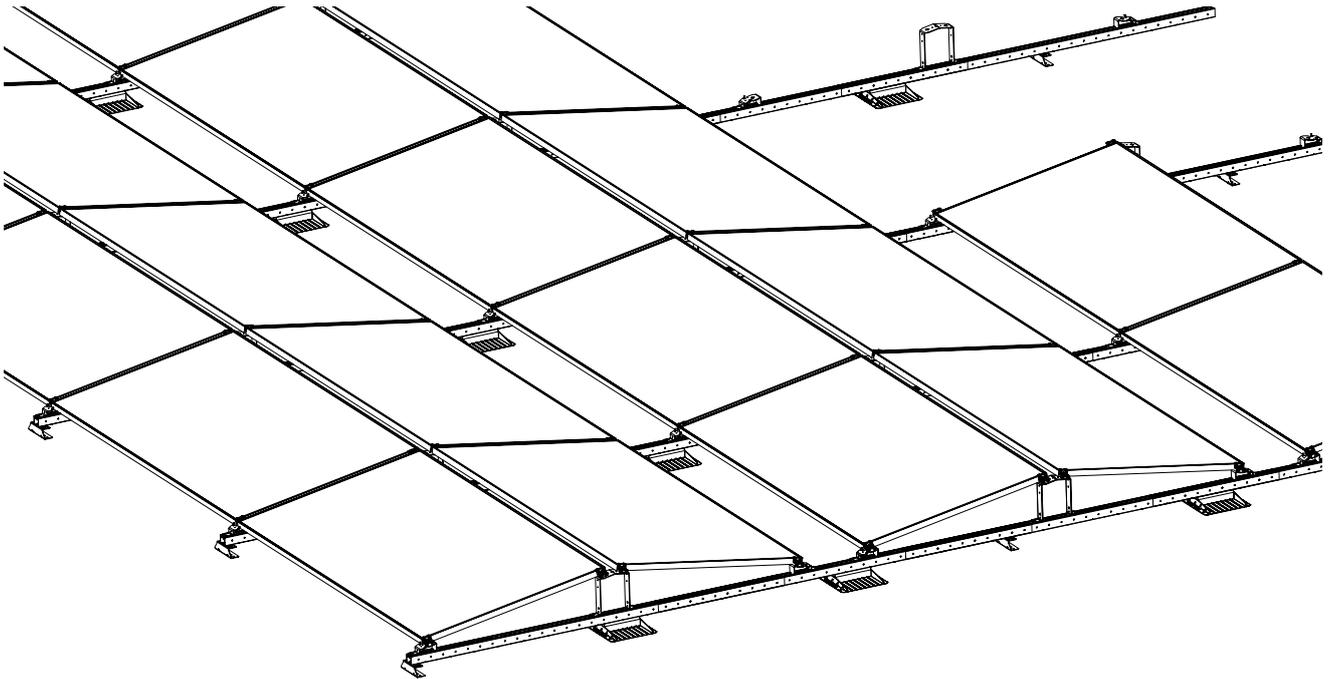


8. Montera resterande fästen

Mät ut var andra raden med lågfäste (5) ska börja. Rekommenderat avstånd är minst 300 mm. Ställ in mallen (11) mot befintliga fästen. Mallen används nu för att positionera fästen utan att behöva mäta.

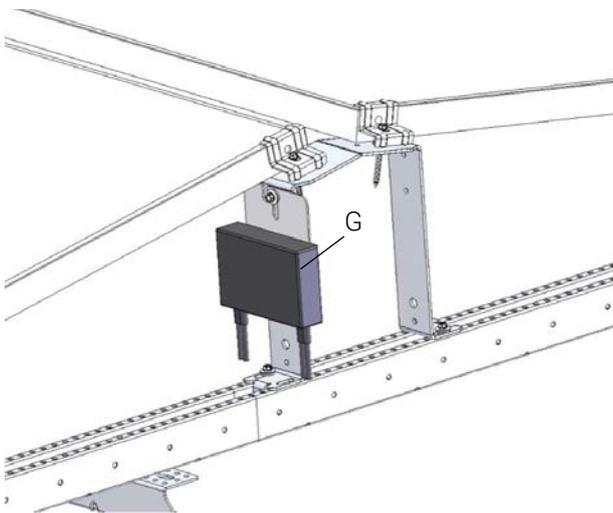
Observera att inbyggda småfel i montage förstärks desto fler rader som monteras efter varandra med mallen. Det kan vara bra att efter ett antal rader börja om i en ny vinkelrät rad som mäts fram.





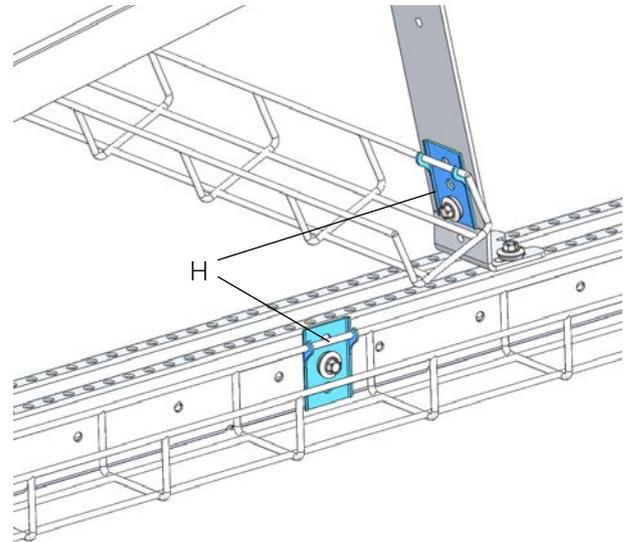
9. Install remaining panels

Install the remaining panels in the same way as described in step 6.



10. Accessories

Optimiser (G) can be fitted direct to the mount.



Holders for wire ladders and cable ducts (H) can be fitted direct to mounts and rail.