

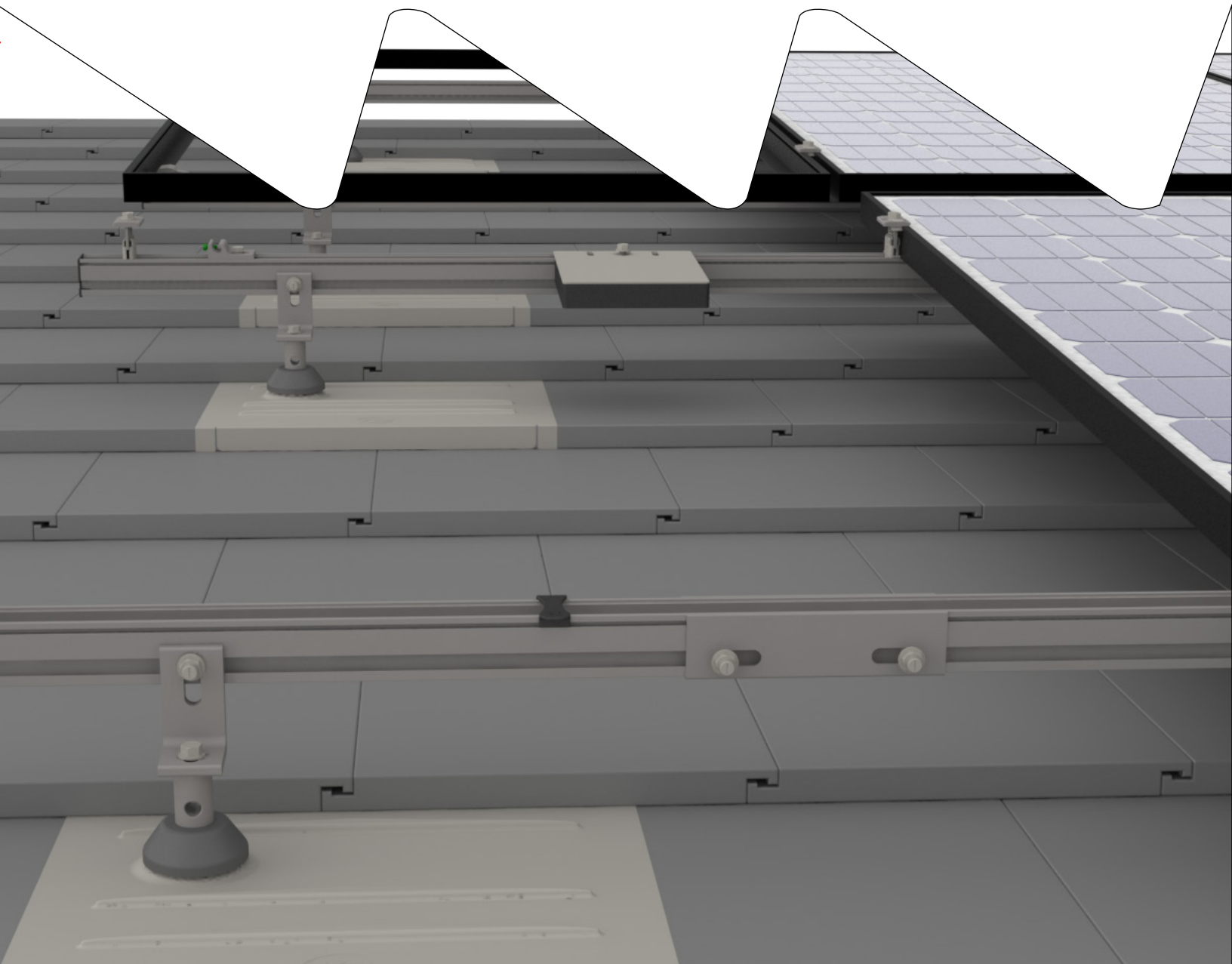


Connecting Strength

K2 Drop N Lock

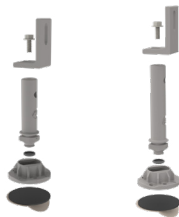


QUICK GUIDE



Components

1 4000237/4000238



K2 Drop N Lock Post 4.5", Kit
K2 Drop N Lock Post 6", Kit

2 4000310



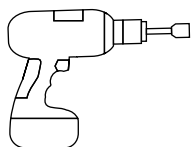
DR #14 x 3" x 5/16
Hex Head Screw

3 4000234 (Flat)
4000235 (S) 4000236 (W)



Drop N Lock RT, Kit

Tools Overview



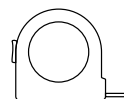
Cordless Drill



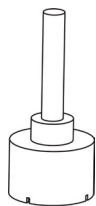
5/16"
socket



Chalk Line



Measuring Tape



3" Hole Saw
for Concrete

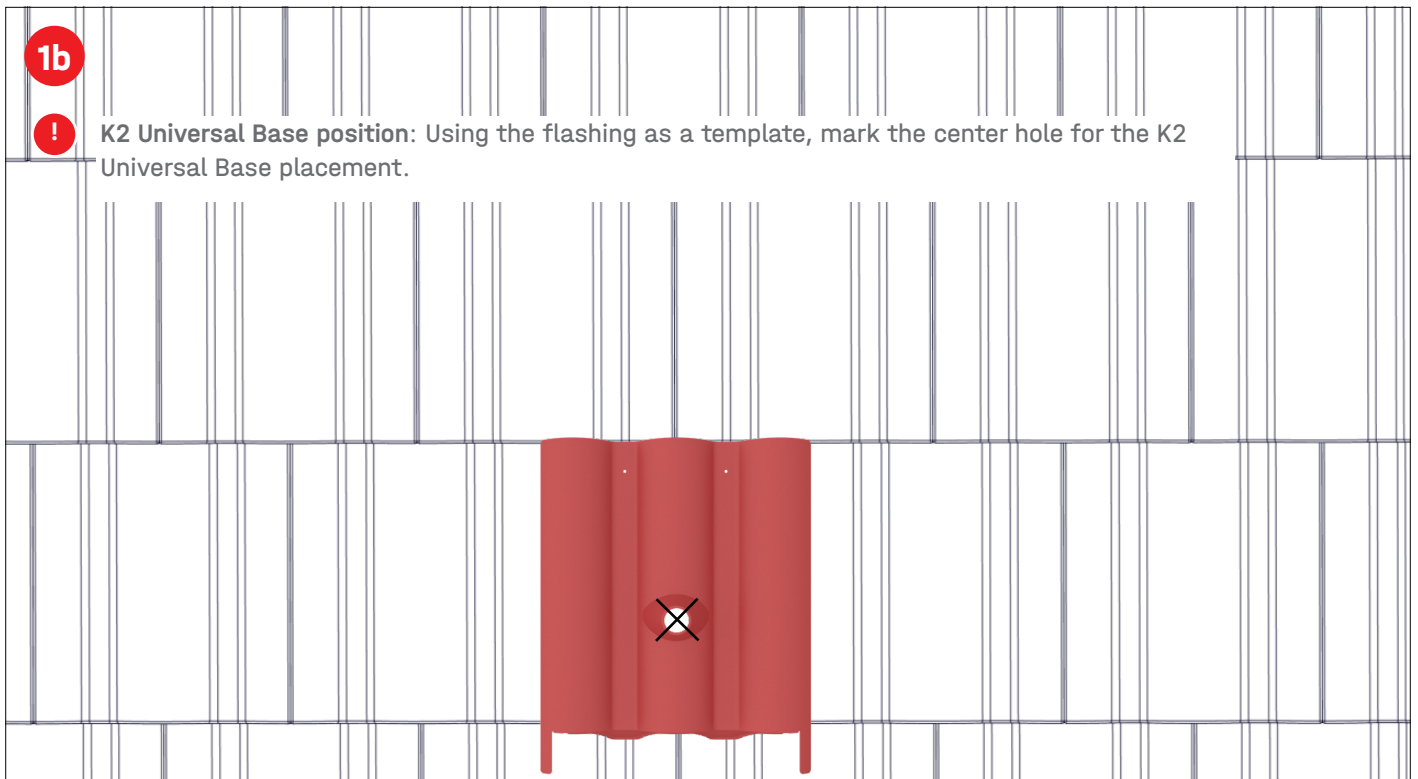
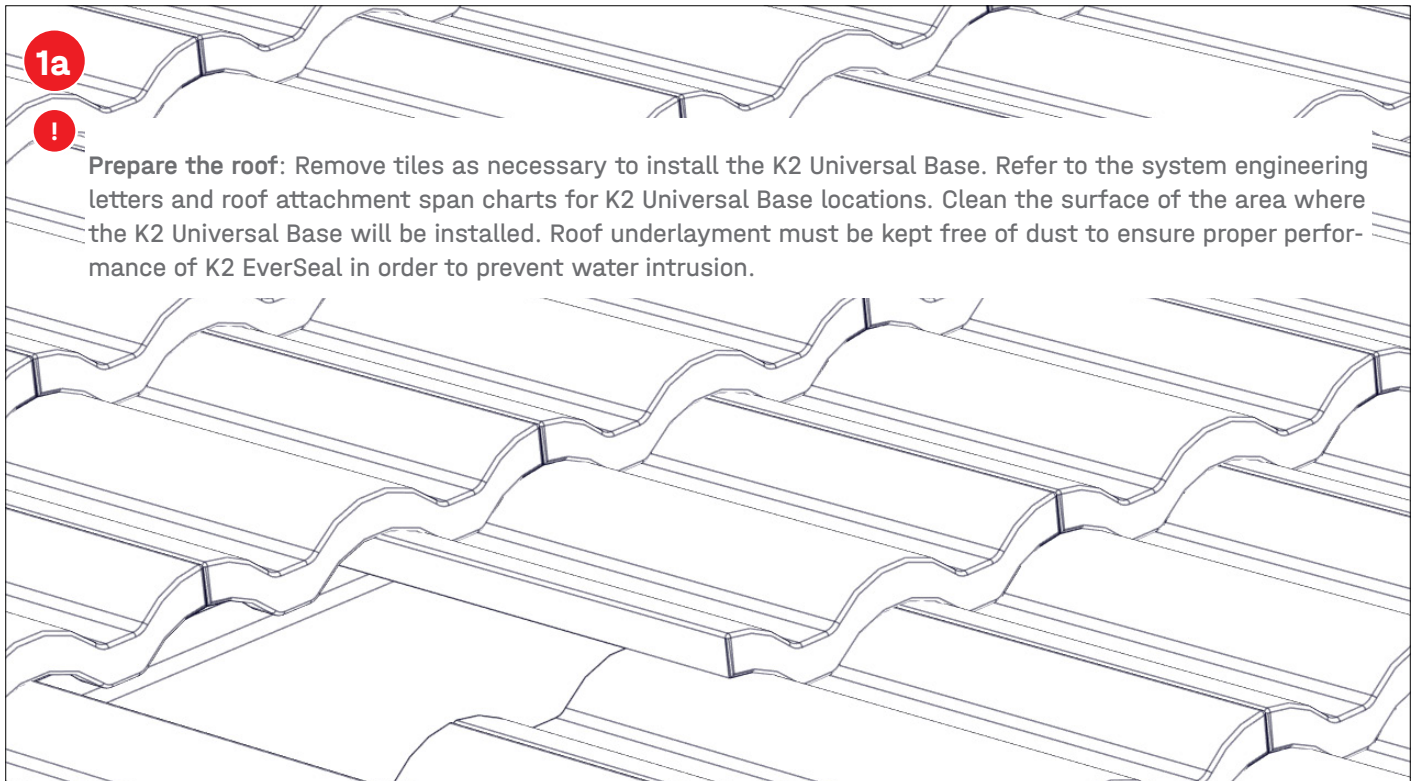


13mm
socket



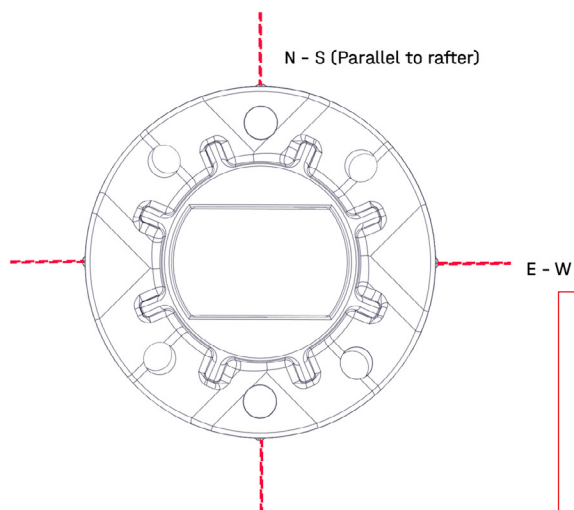
Screw Driver
(PH #2)

Assembly



2

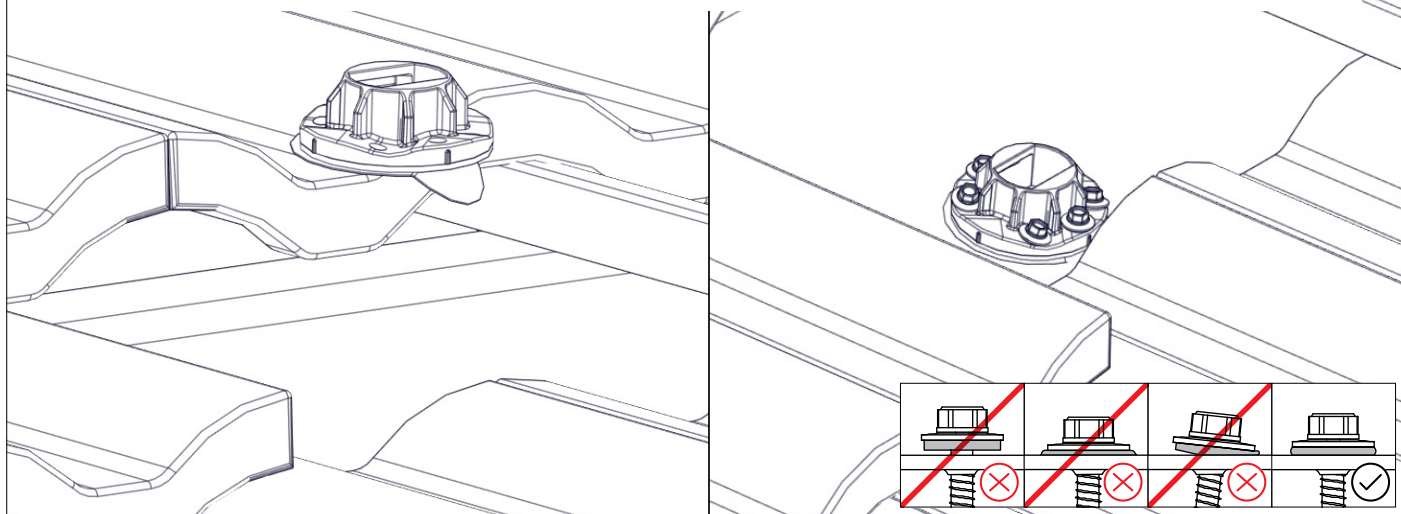
! K2 Universal Base installation: The base has lines to identify North-South (rafter) and East-West (deck) in order to correctly position the mount for rafter or deck attachment, see image below. All the K2 Universal Bases should be in the same orientation.



Note: the K2 Universal Base has 6 total screw holes. The two holes at the North-South locations are flush and the remaining 4 holes in the base corners are slightly angled to improve the uplift performance of the mount.

3

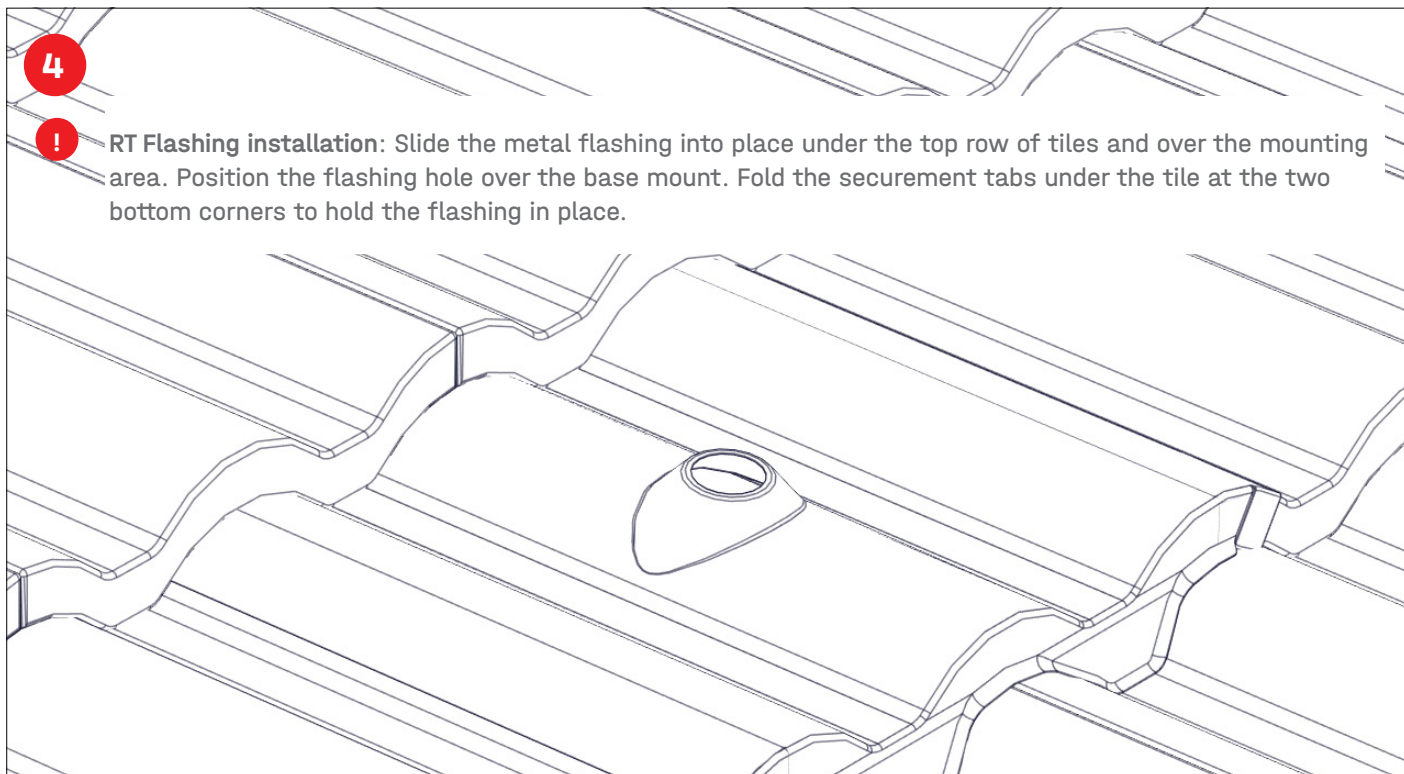
! Once the mount location is clean and prepared for installation, peel off protective paper from K2 EverSeal and place the mount down to the underlayment for final positioning. For deck attachments, install six of the K2 #14 screws. Install screws until sealing washer compresses flat. Do not overtighten. Butyl should extrude from the sides of the mount.



4



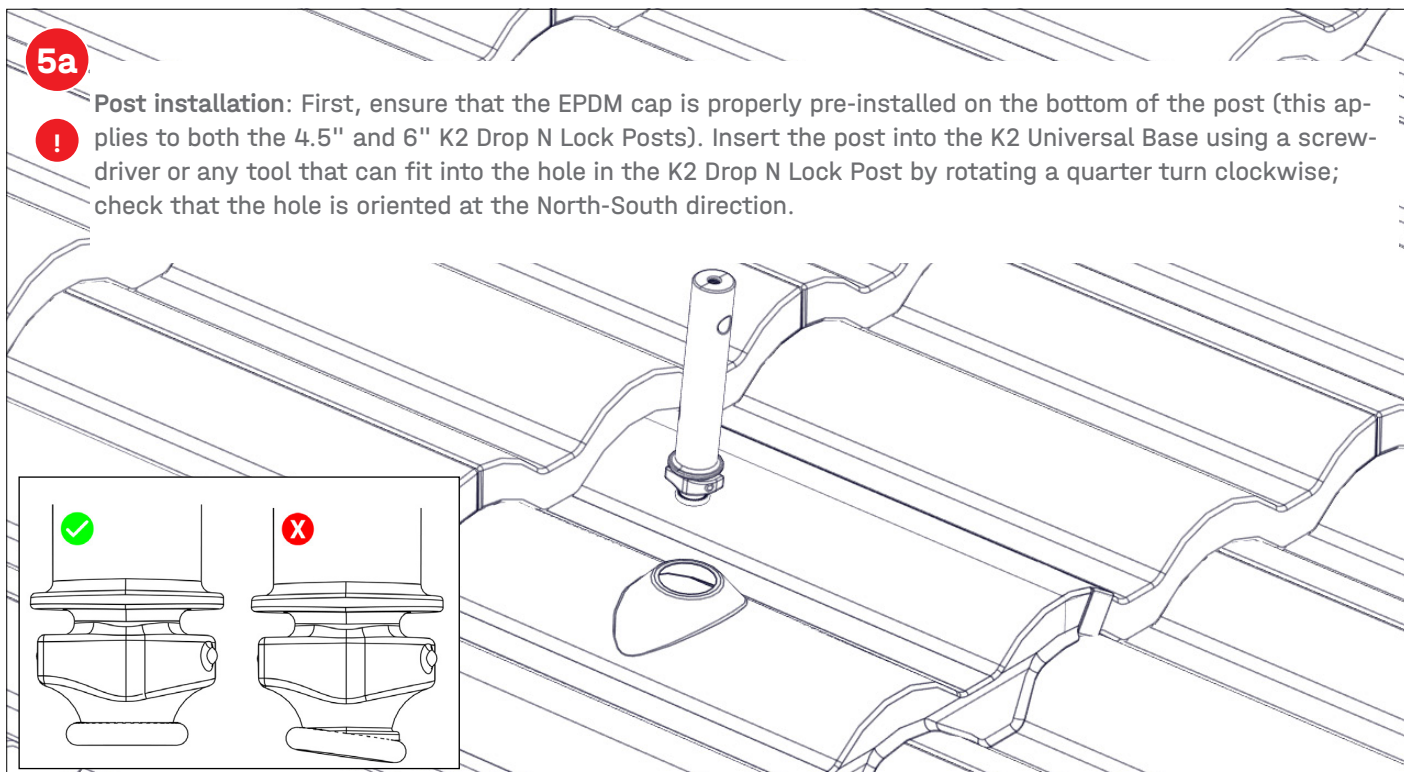
RT Flashing installation: Slide the metal flashing into place under the top row of tiles and over the mounting area. Position the flashing hole over the base mount. Fold the securement tabs under the tile at the two bottom corners to hold the flashing in place.

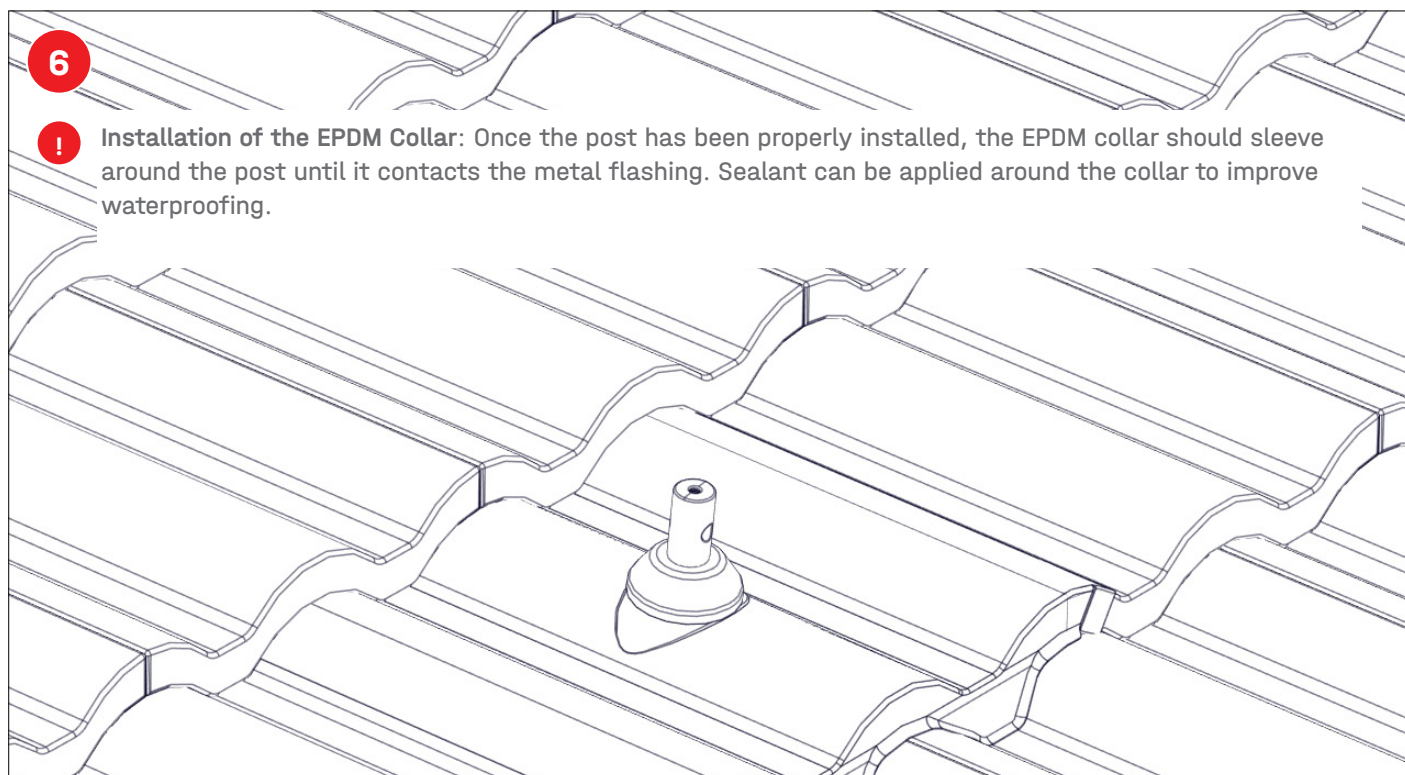
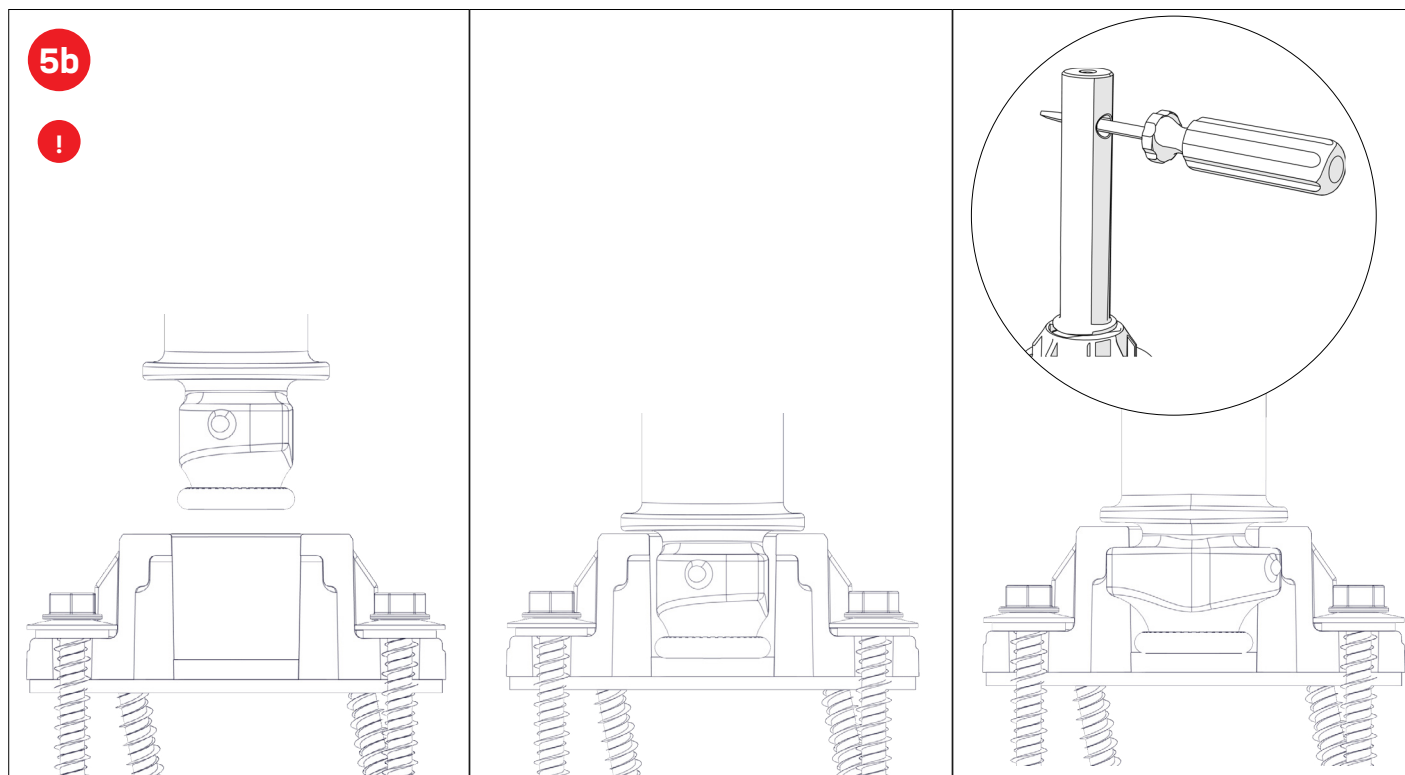


5a



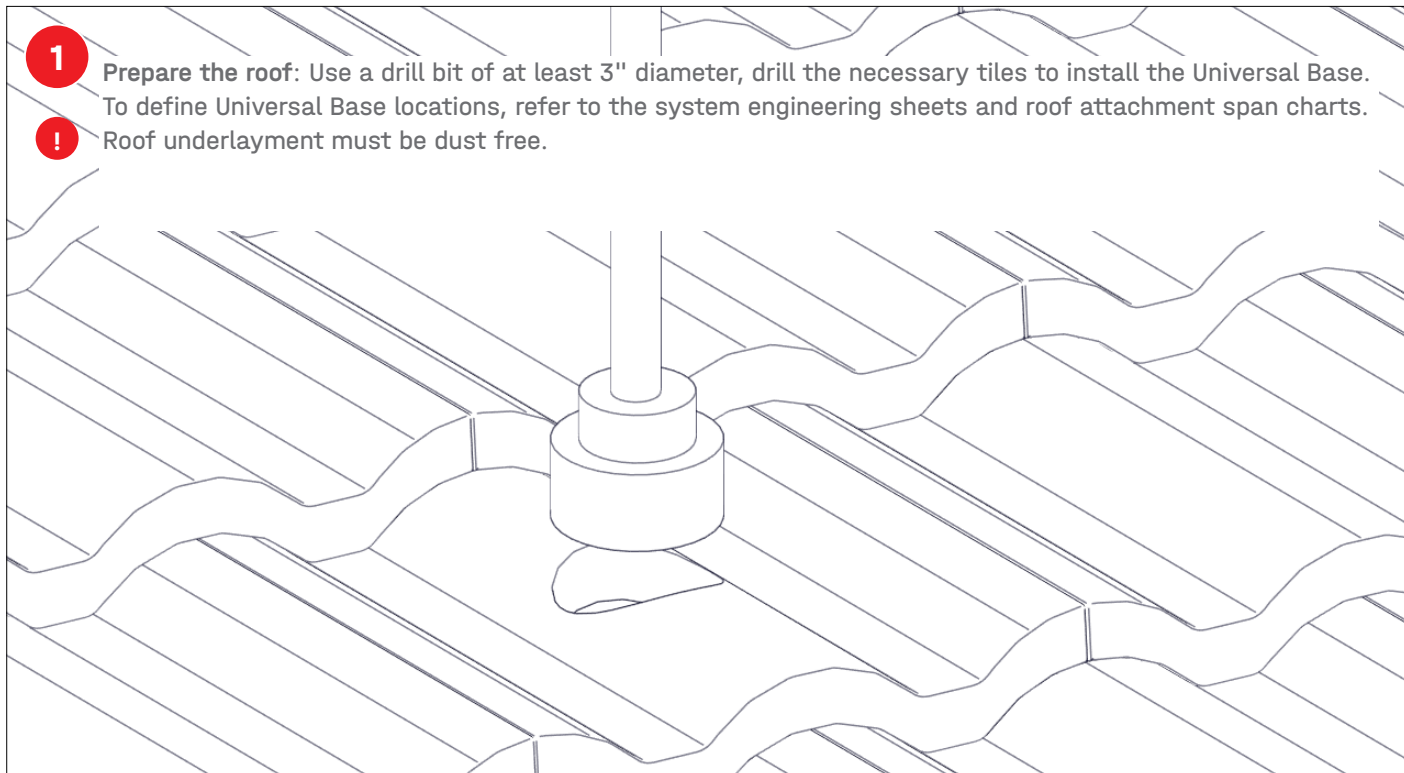
Post installation: First, ensure that the EPDM cap is properly pre-installed on the bottom of the post (this applies to both the 4.5" and 6" K2 Drop N Lock Posts). Insert the post into the K2 Universal Base using a screwdriver or any tool that can fit into the hole in the K2 Drop N Lock Post by rotating a quarter turn clockwise; check that the hole is oriented at the North-South direction.



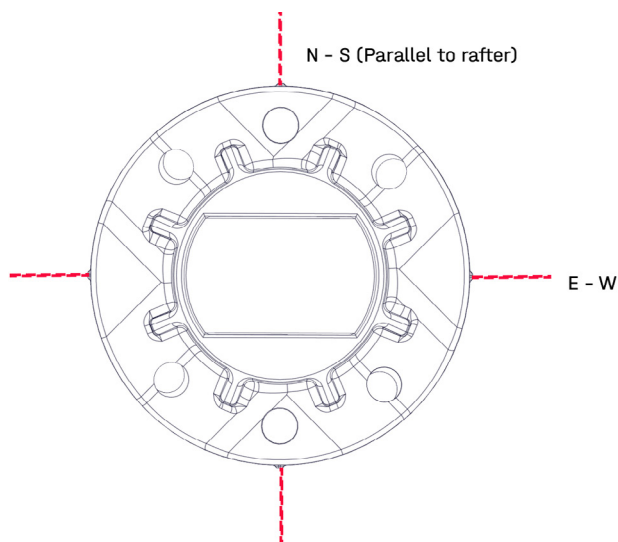


Deck Attachment – Tile Drilling

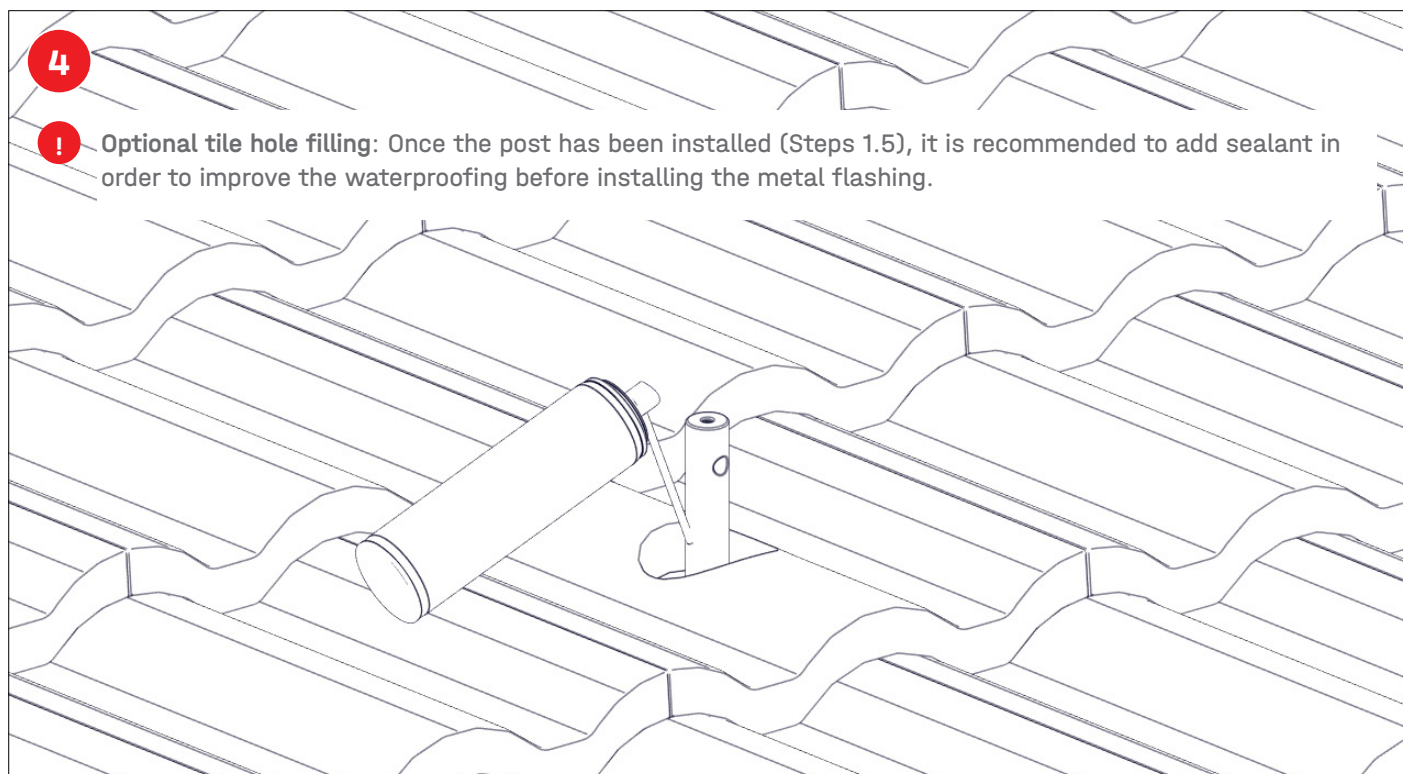
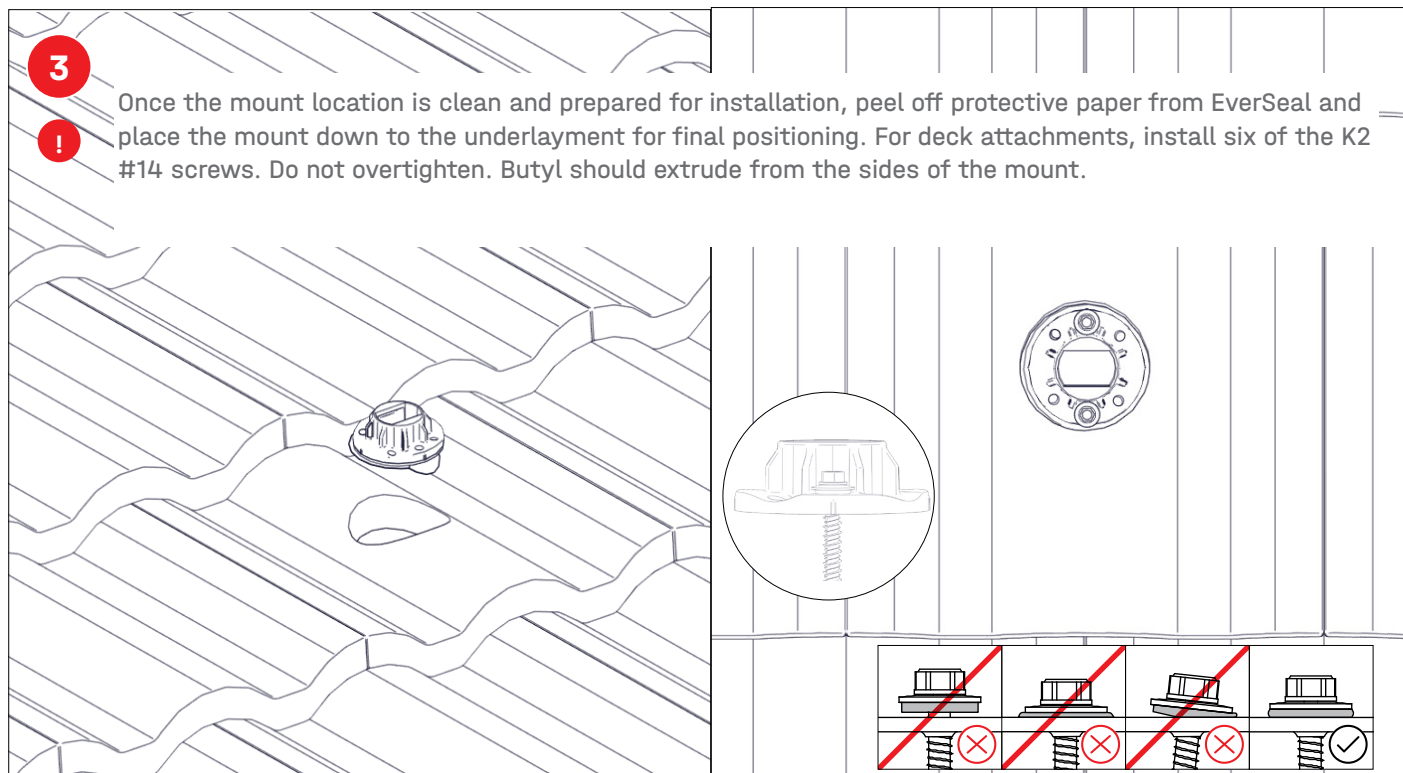
- 1 Prepare the roof: Use a drill bit of at least 3" diameter, drill the necessary tiles to install the Universal Base. To define Universal Base locations, refer to the system engineering sheets and roof attachment span charts.
- ! Roof underlayment must be dust free.



- 2 **K2 Universal Base installation:** The base has lines to identify North-South (rafter) and East-West (deck) in order to correctly position the mount for rafter or deck attachment, see image below. All the Universal Bases should be in the same orientation.
- !



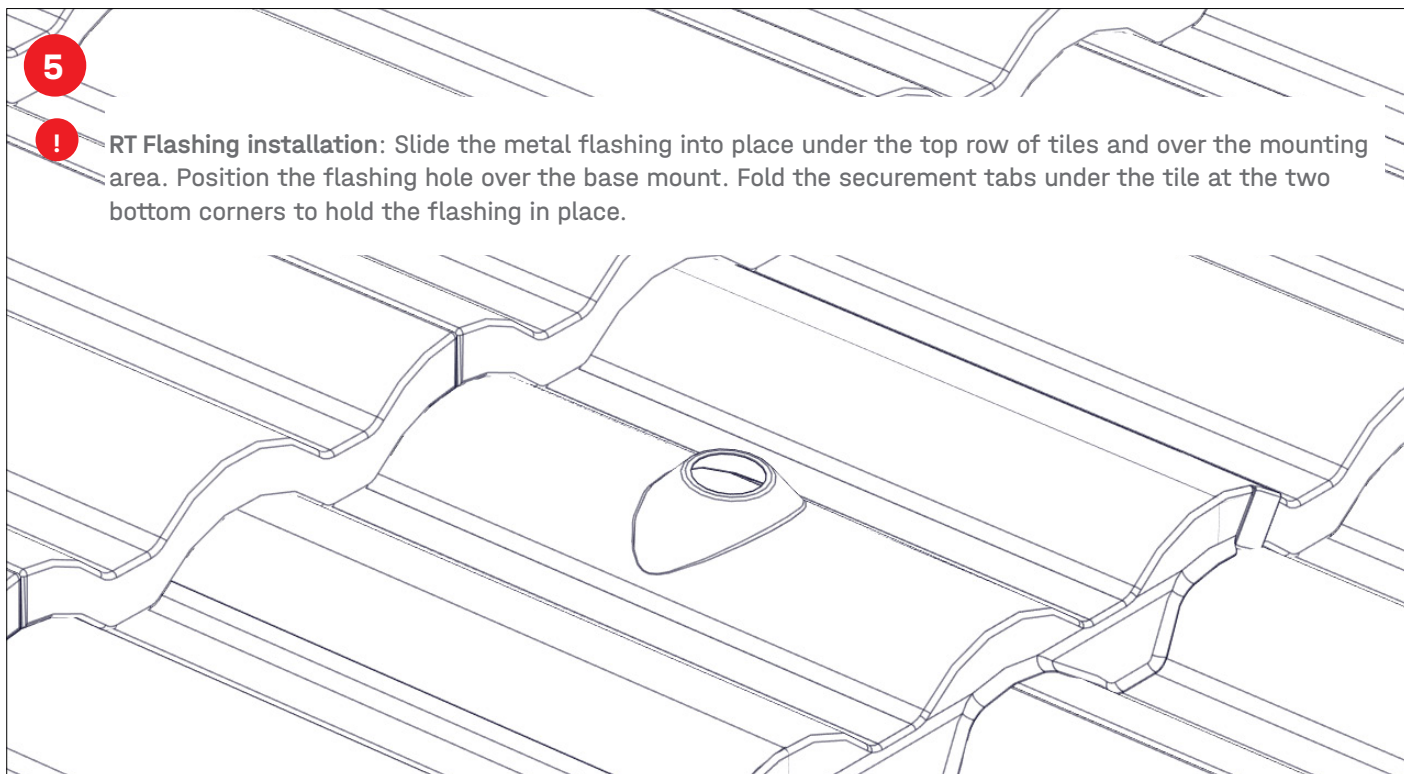
Note: the K2 Universal Base has 6 total screw holes. The two at the North-South location are flat and the remaining 4 holes in the base corners are slightly angled to improve the uplift performance of the mount.



5



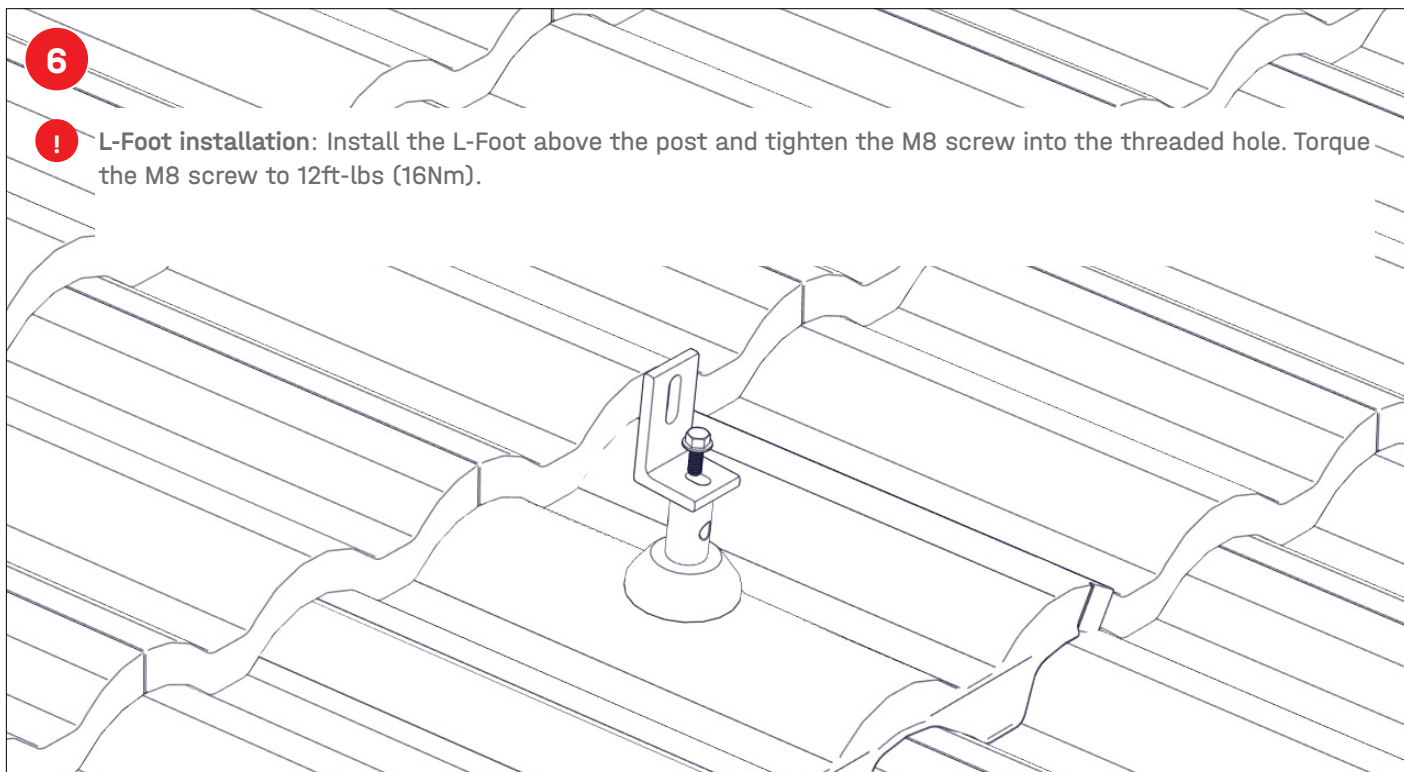
RT Flashing installation: Slide the metal flashing into place under the top row of tiles and over the mounting area. Position the flashing hole over the base mount. Fold the securement tabs under the tile at the two bottom corners to hold the flashing in place.



6

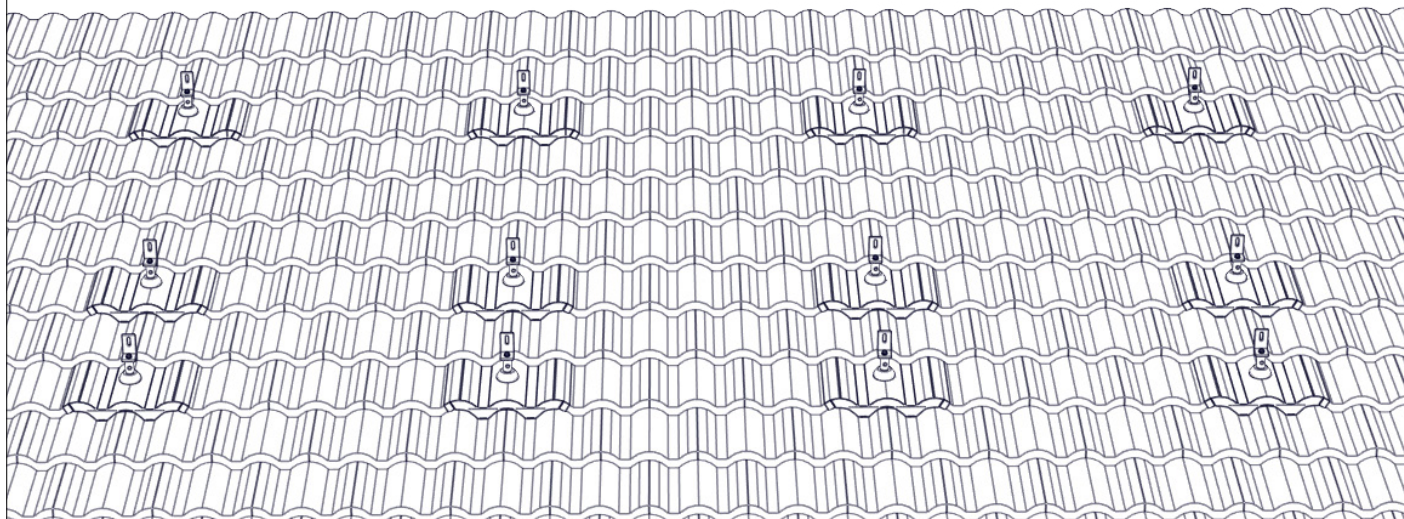


L-Foot installation: Install the L-Foot above the post and tighten the M8 screw into the threaded hole. Torque the M8 screw to 12ft-lbs (16Nm).



7

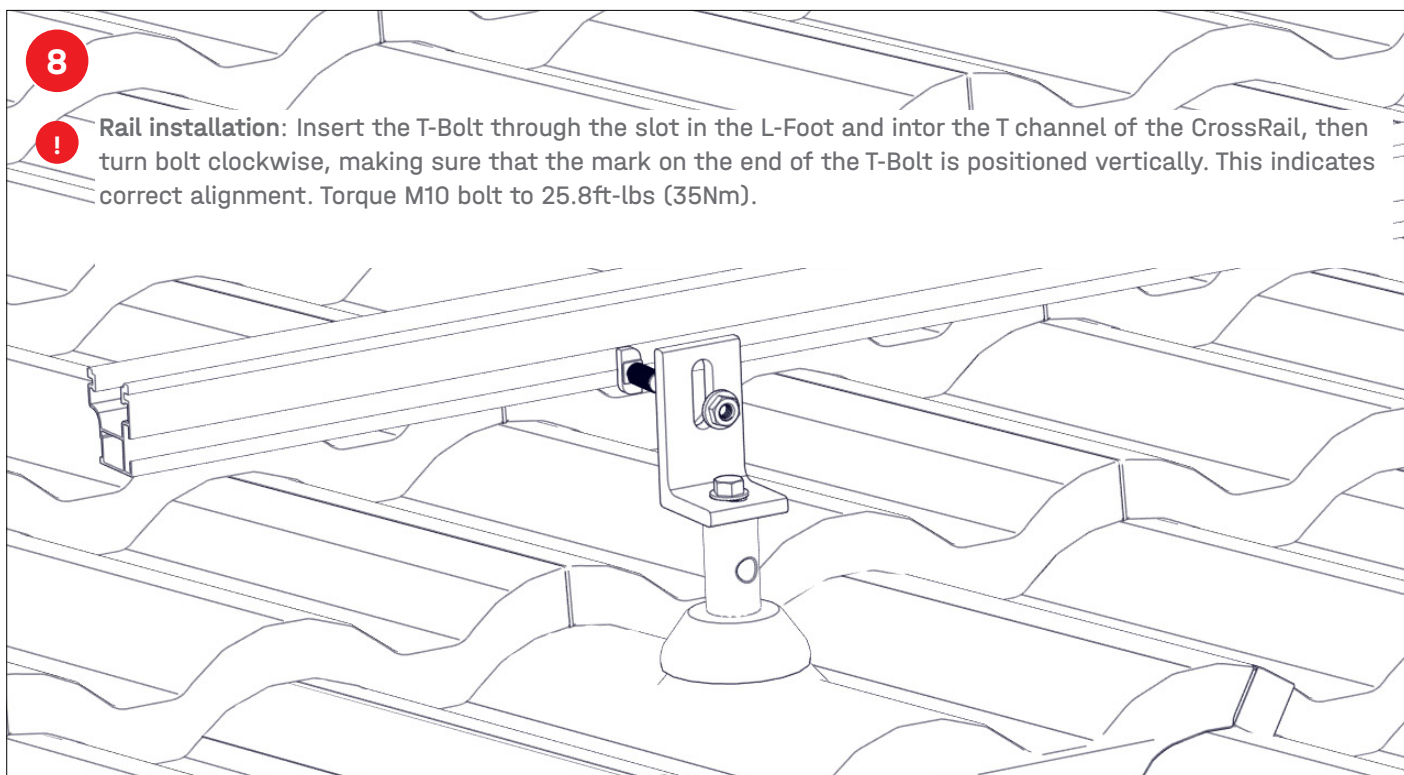
Repeat steps at each of the tiles positions where the mount will be installed.



8



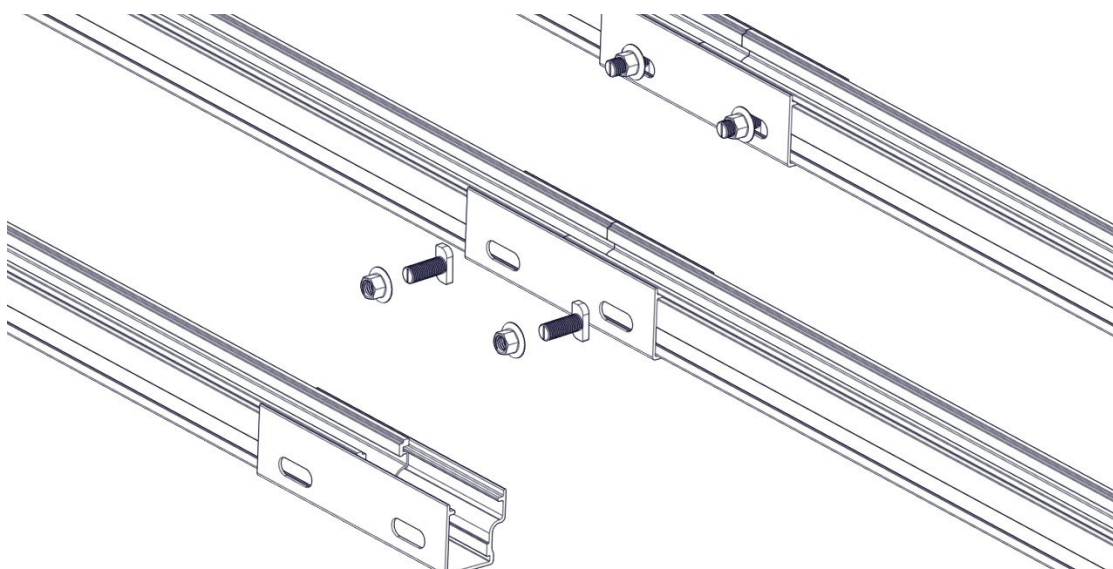
Rail installation: Insert the T-Bolt through the slot in the L-Foot and into the T channel of the CrossRail, then turn bolt clockwise, making sure that the mark on the end of the T-Bolt is positioned vertically. This indicates correct alignment. Torque M10 bolt to 25.8ft-lbs (35Nm).



9

Slide Rail Connector onto first rail by matching up the mating features. Then, slide second rail into the connector and center the rail ends. Attach rail connector using one T-Bolt and Serrated Hex nut per side (2 total). Using a 3mm socket, tighten to 25.8 ft-lbs (35Nm). Leave 1/16"-3/16" gap between rail ends.

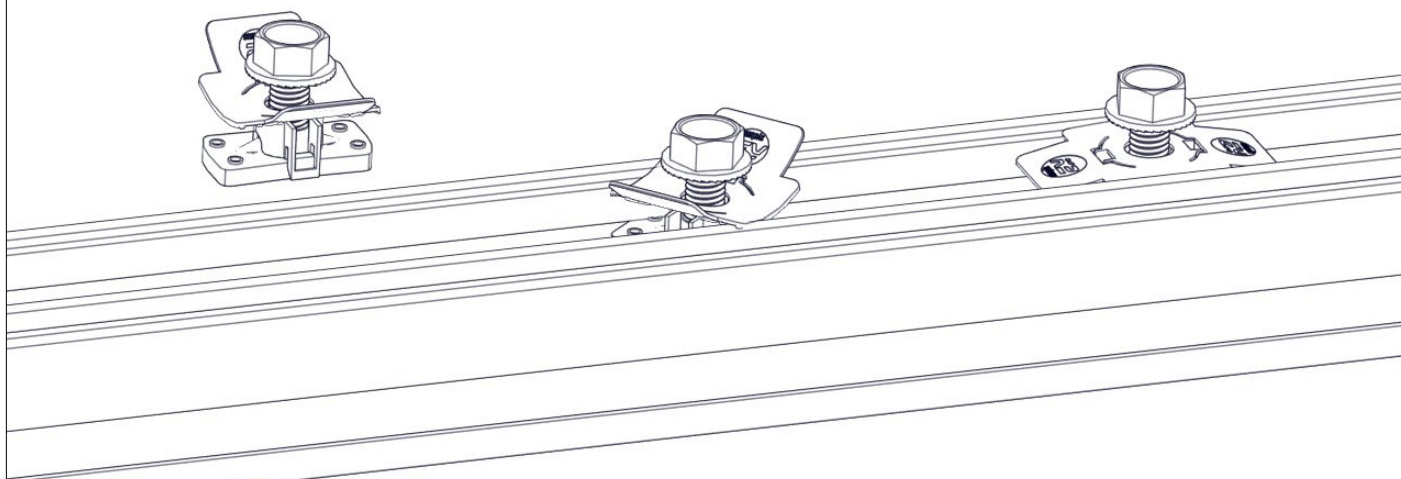
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10

!

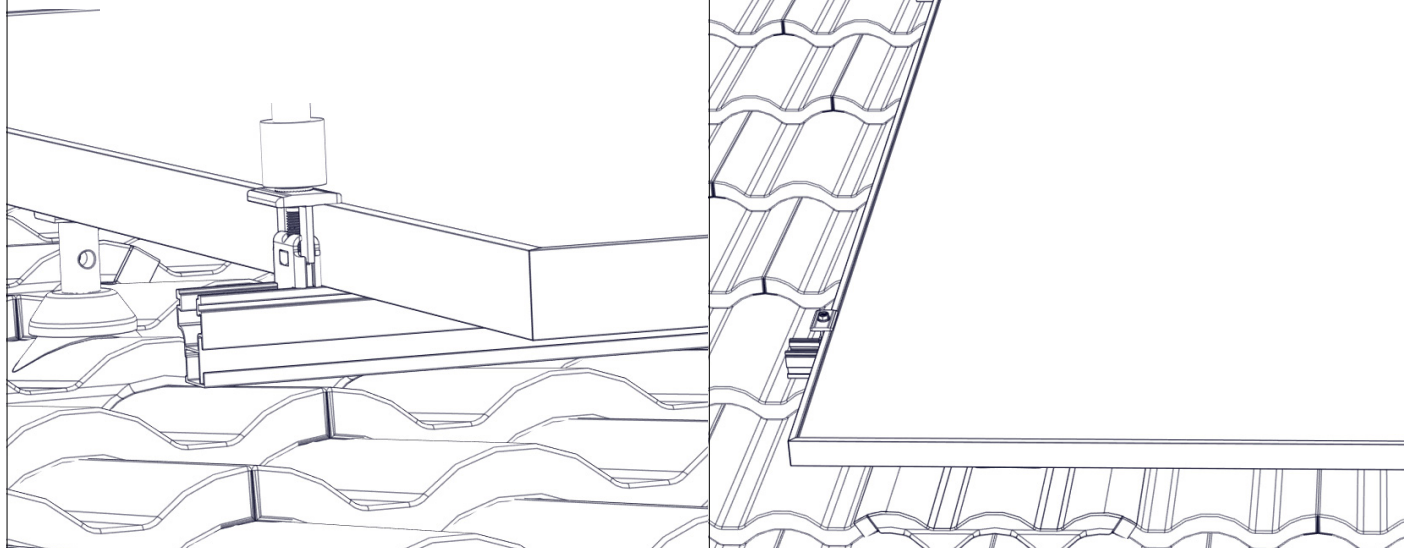
For MLPE mounting, use the CR Microinverter & Optimizer Mounting Kit. Mark installation locations of MLPEs on the rail. By slightly pinching the plastic installation tabs on the MK3 insert the CR Microinverter & Optimizer Mounting Kit into the rail channel and turn clockwise 90 degrees until plastic tab seats into notch on the top channel, and MK3 nut is perpendicular with channel.



11



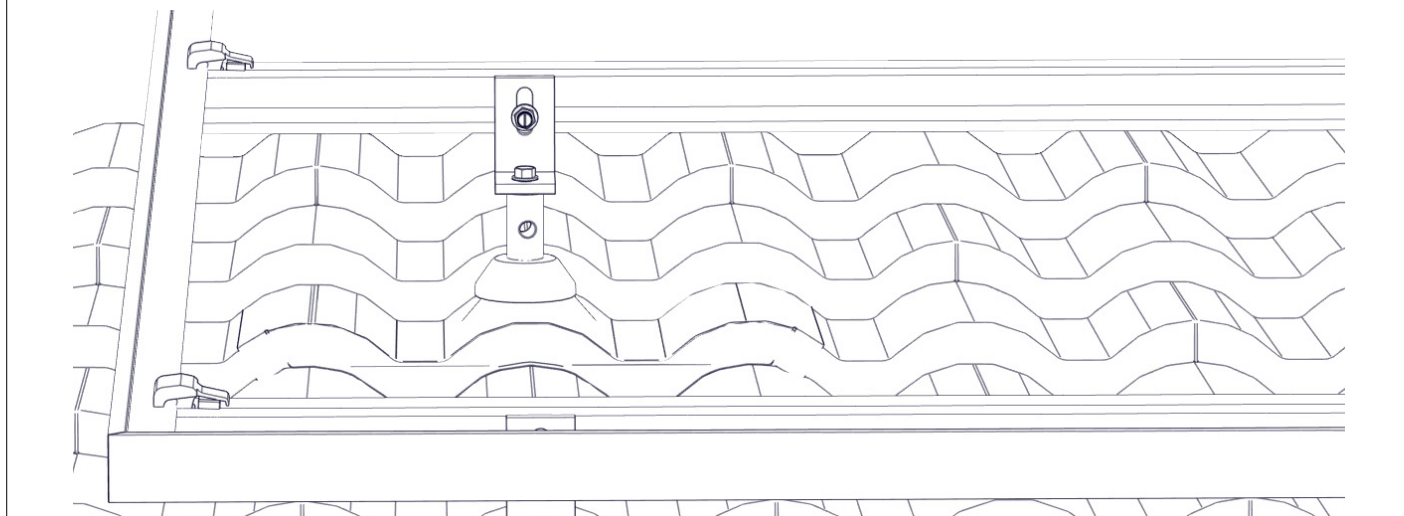
Insert the Cross Clamp into the upper channel end of the CrossRail, turn 90 degrees clockwise to engage the channel. Torque M8 bolt to 12ft-lbs (16Nm).



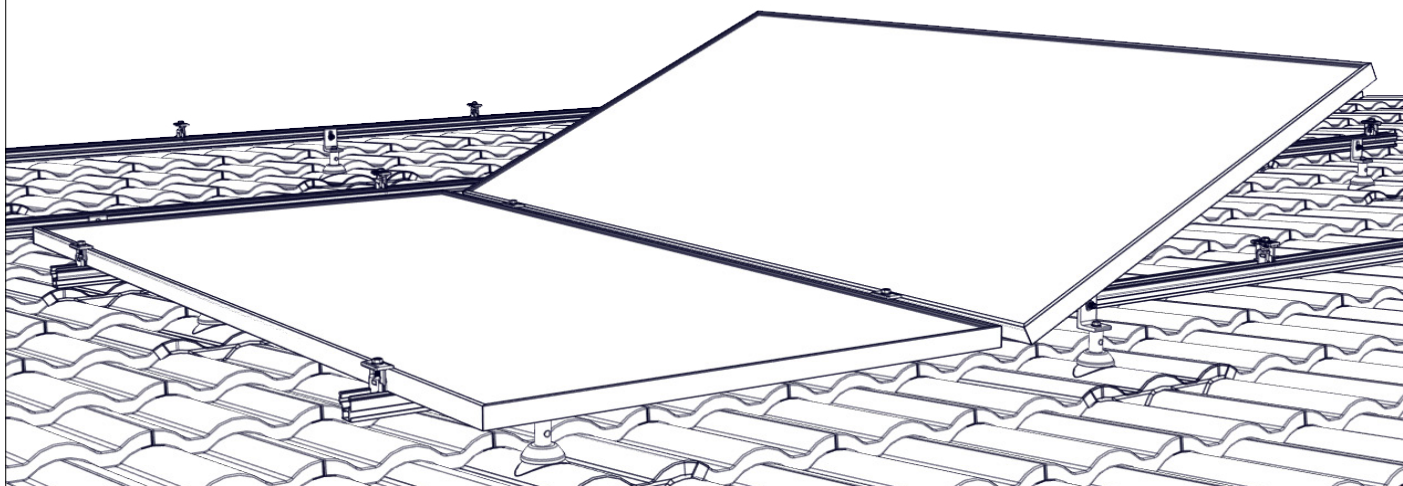
12



Slide the Yeti Clamp 2.0 from the edge of the rail, position the module flush with the edge of the rail, slide the Yeti Clamp 2.0 towards the module so that the tooth can grip the frame, the clamp can be pulled with a strap or just your finger to pull. Once the clamp is in position, tighten to 12ft-lbs (16Nm).

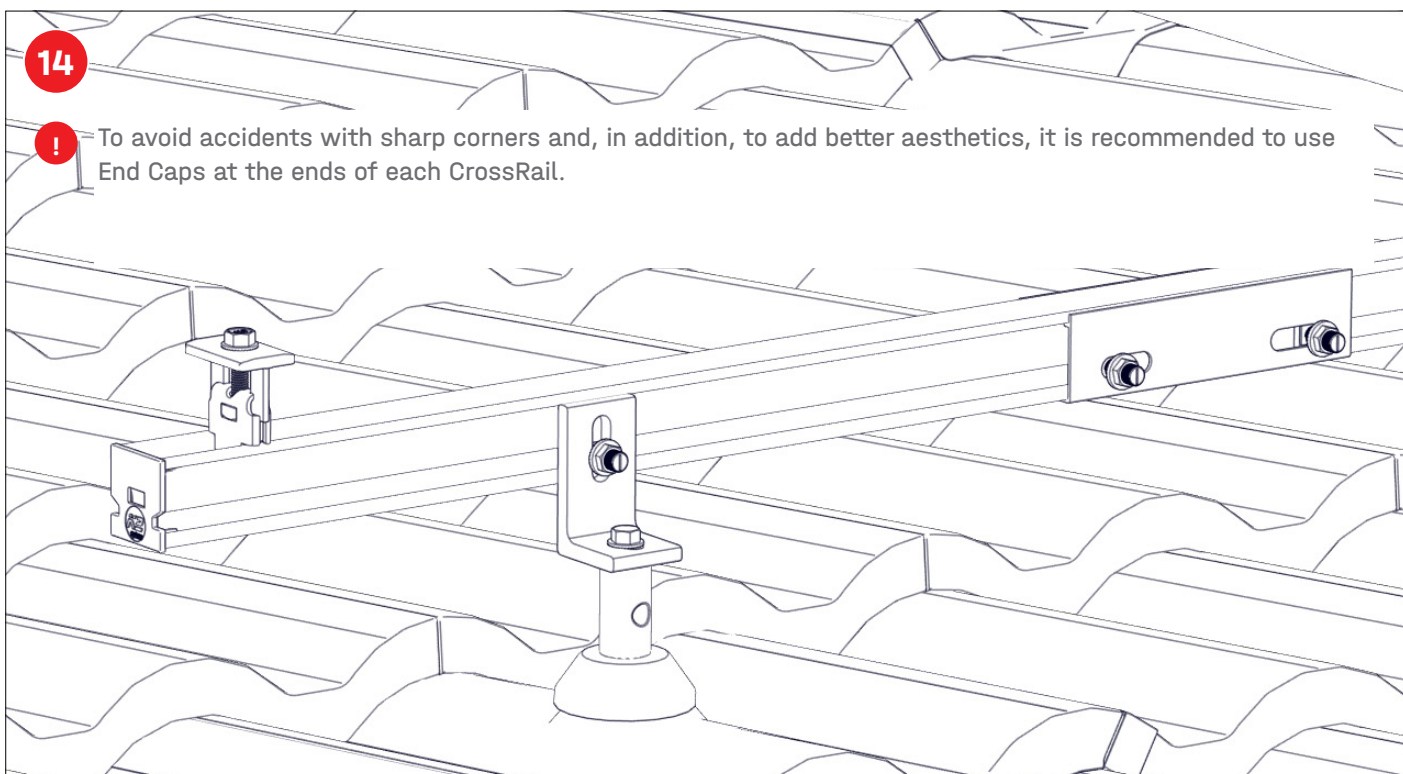


- 13** Insert the Cross Clamp into the upper channel of the CrossRail, rotate 90 degrees clockwise to engage the channel. Attach the Cross Clamps to the module at the specified locations in accordance with the module manufacturer's installation instructions. Torque to 12ft-lbs (16Nm).
- !**



14

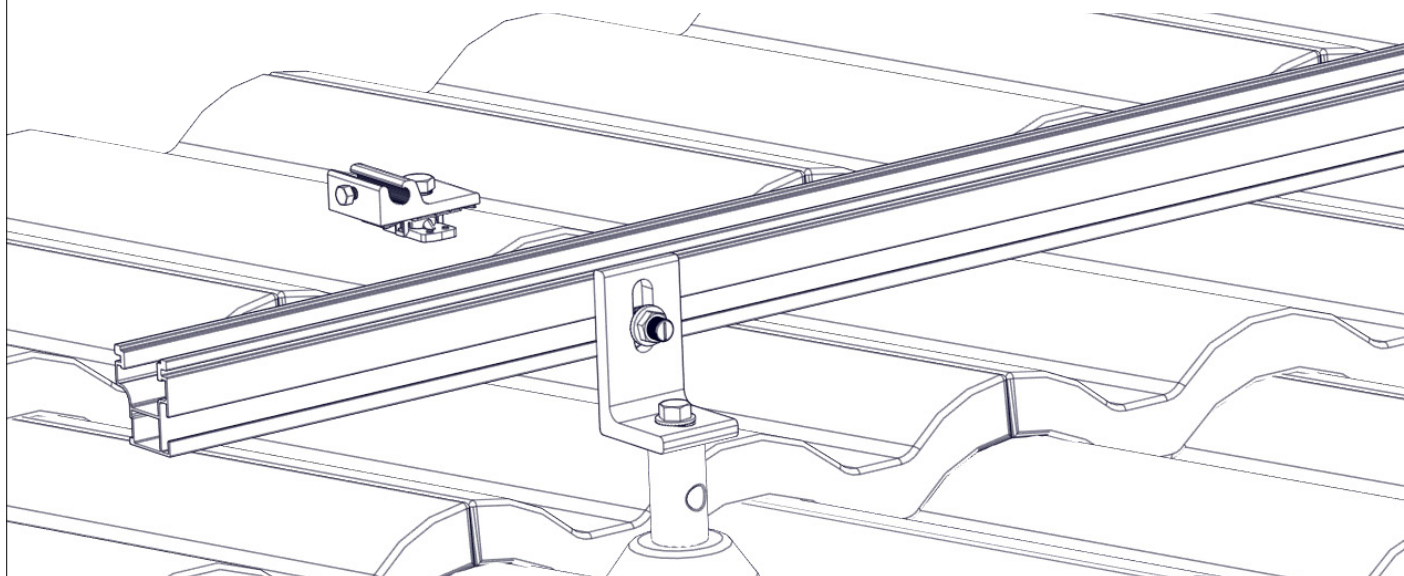
- !** To avoid accidents with sharp corners and, in addition, to add better aesthetics, it is recommended to use End Caps at the ends of each CrossRail.



15

Insert the MK3 into channel of the CrossRail. While lifting the plastic tabs slightly, rotate a quarter and turn clockwise to engage the MK3 into the channel. Make sure the connecting teeth are perpendicular to the rail channel. Torque to 10.3ft-lbs (14Nm).

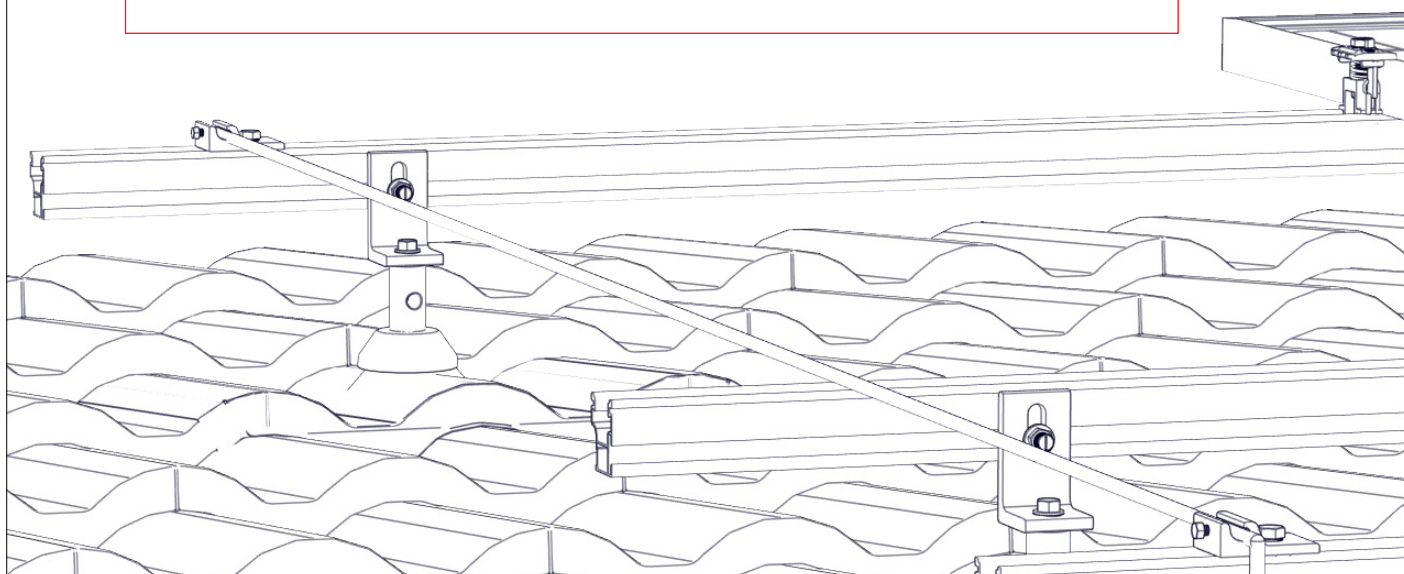
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15.1

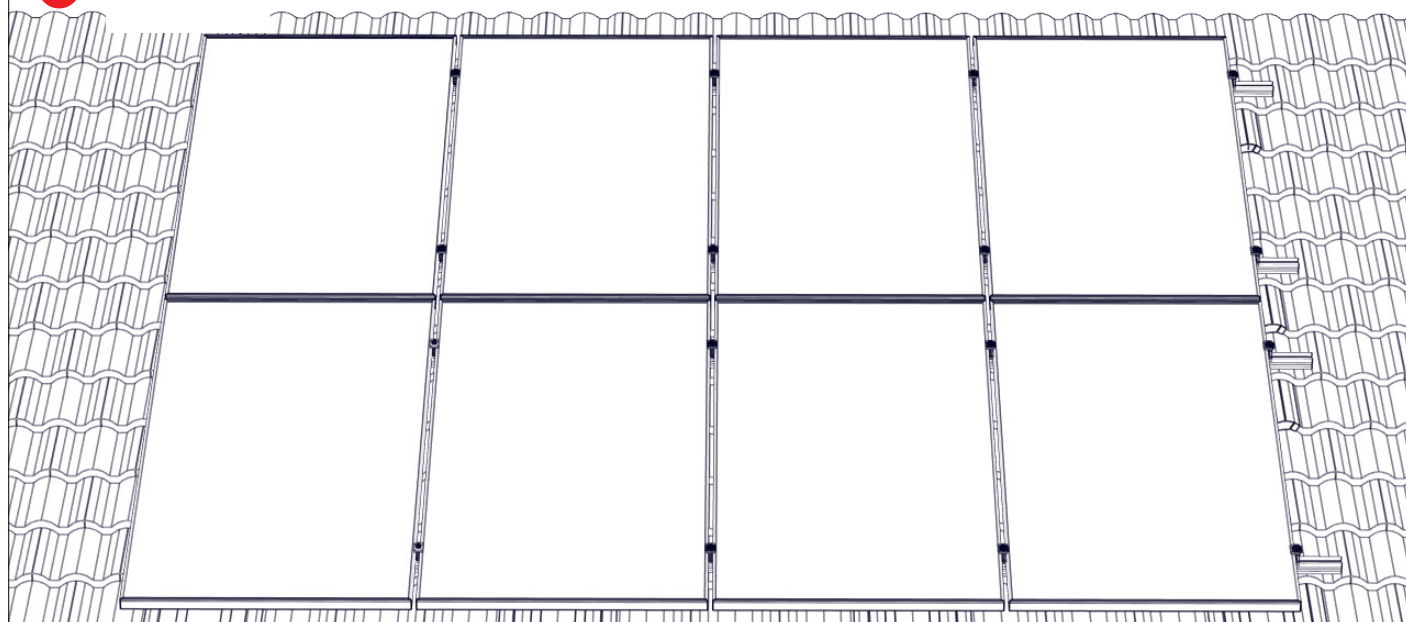
Note: Place your bare copper wire through the knurled channel of the K2 Ground Lug. Tighten the screw holding the bare copper wire to 3.9 Nm - 6.7 Nm according to the type and gauge of wire with a 7/16" socket. One K2 Ground Lug must be installed per row.

!



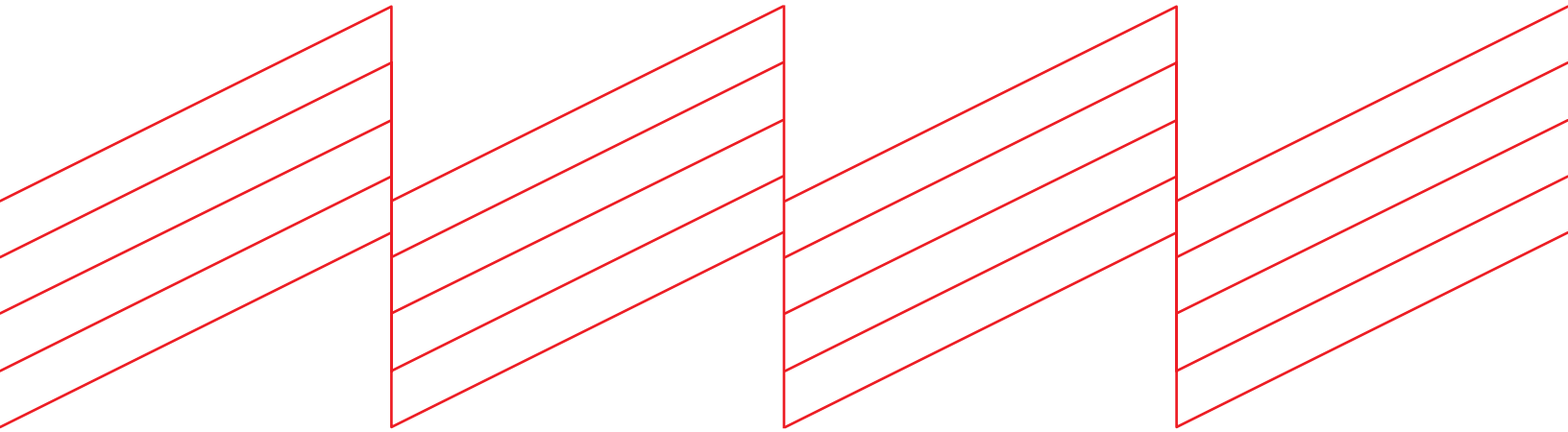
16

DONE!





Connecting Strength



K2 Systems, LLC

4665 North Ave. Suite I • Oceanside, CA 92056 •
USA +1.760.301.5300 • info@k2-systems.com
www.k2-systems.com

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