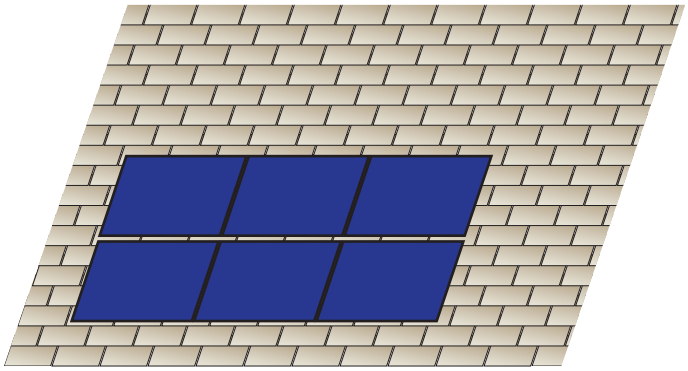
RT-[E] Mount/E Mount AIR

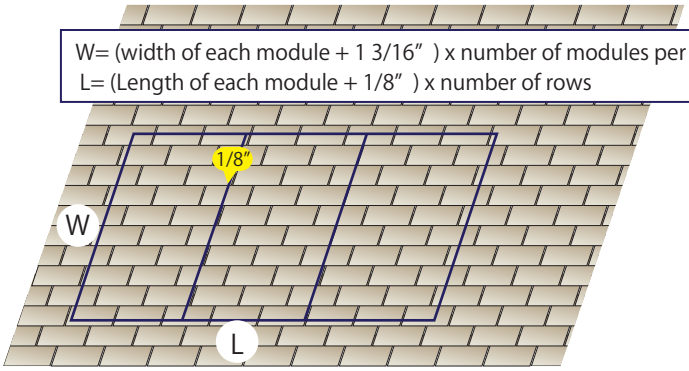
Quick Installation Reference (Landscape)

Step 1. Array Layout



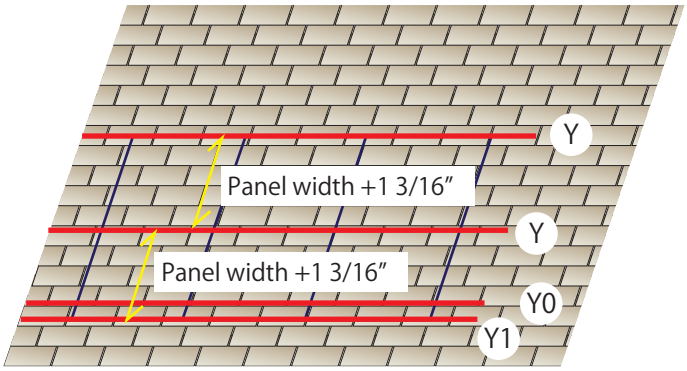
Step 2. Use chalk line to draw the array on the roof

W= (width of each module + 1 3/16″) x number of modules per row
L= (Length of each module + 1/8″) x number of rows



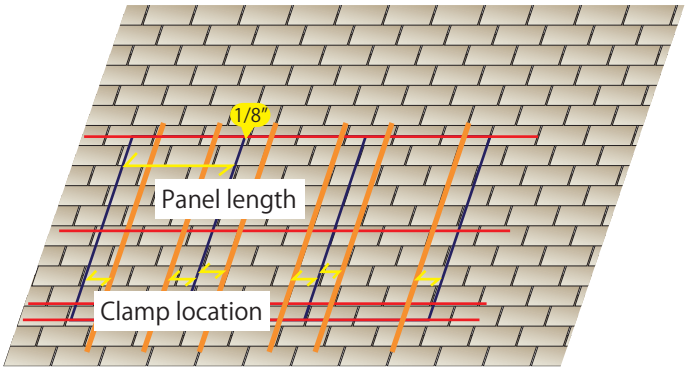
Step 3. Draw horizontal lines

Y0: Horizontal line for Top of E Mount base
Y1: Center line for End clamp's carriage bolt, 3 1/2″ from Y0
Y : Center line for Middle clamp's carriage bolt
Panel width +1 3/16″ from Y1 or Y

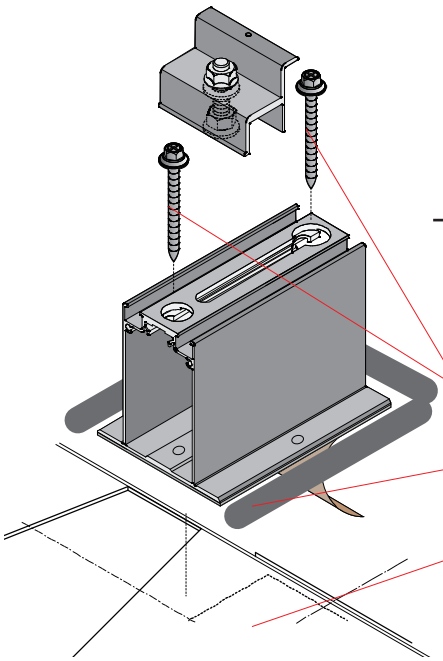


Step 4. Draw vertical line for clamp location

1. Roof Tech recommends a minimum of 1/8″ between PV module frames between the adjacent rows of modules.
2. The clamp location (solid orange line) shall be placed module frames between the adjacent rows of modules. instructions according to the PV module manufacture's installation



END CLAMP

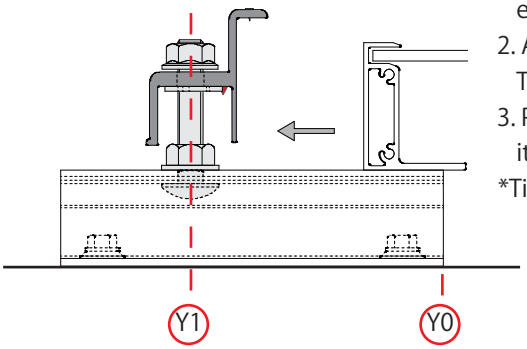


E Mount Base shall be installed on rafter with 2 screws, or on deck with 4 screws.

Apply roof sealant around the brackets, the top and each side edge of the brackets.

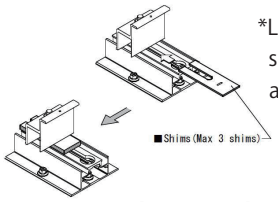
Building layers of RT butyl for the bracket to be mounted over the teeth region of composite shingle roofs.

Eave side



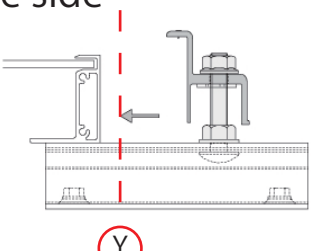
1. Tighten the end clamp's (Y1) bottom nut,located at each end of the array.
2. Align the end clamps between the two. Tighten all bottom nuts.
3. Place the PV Module against the end clamp and tighten it from the top.

*Tighten nuts to 180 in-lbs (20 N・m)



*Leveling shall be done with shims. (Max 12 shims for E Mount and 3 Shims for E Mount Air)

Ridge side

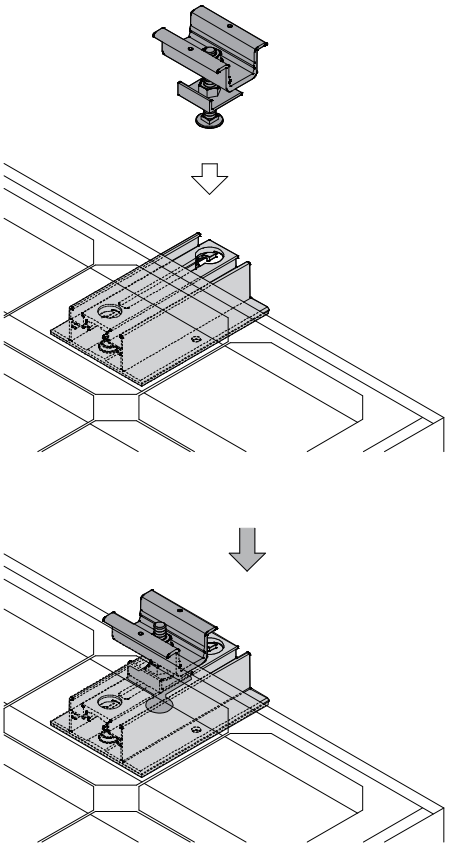


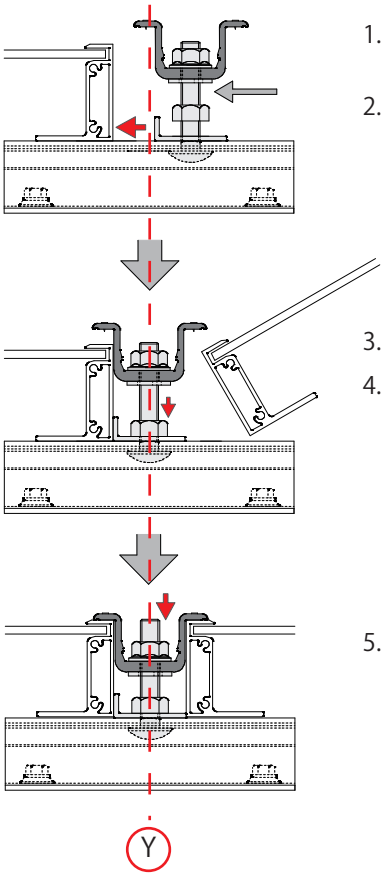
Roof Tech

RT-[E] Mount/E Mount AIR

Quick Installation Reference (Landscape)

MIDDLE CLAMP



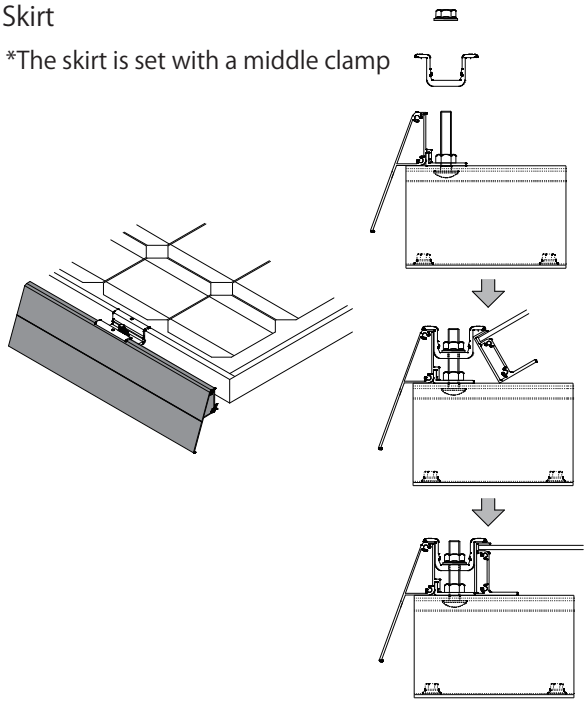


1. Slide in Middle clamp to E Mount base from ridge side open channel.
2. Slide the middle clamp and set the L shape spacer to the frame.
3. Tighten bottom nut to secure middle clamp.
4. Set the next module tightly.
5. Tight the top nut to fix the PV modules.

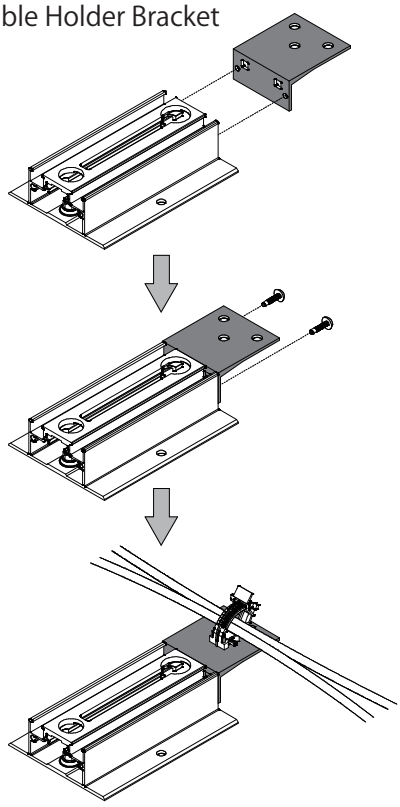
OPTION ITEM

Skirt

*The skirt is set with a middle clamp



Cable Holder Bracket



Microinverter Bracket