Model No.： KIT MINI RAIL 40mm

Tin Roof Mini Rail System
Installation Manual
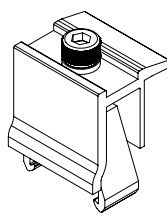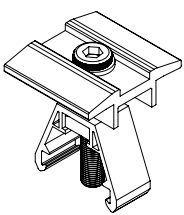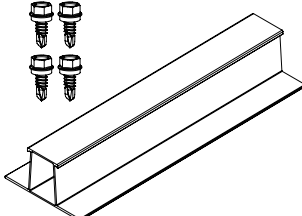
Version No.: CHIKO-20241230-V.04

CHIKO
Solar Mounting Solutions
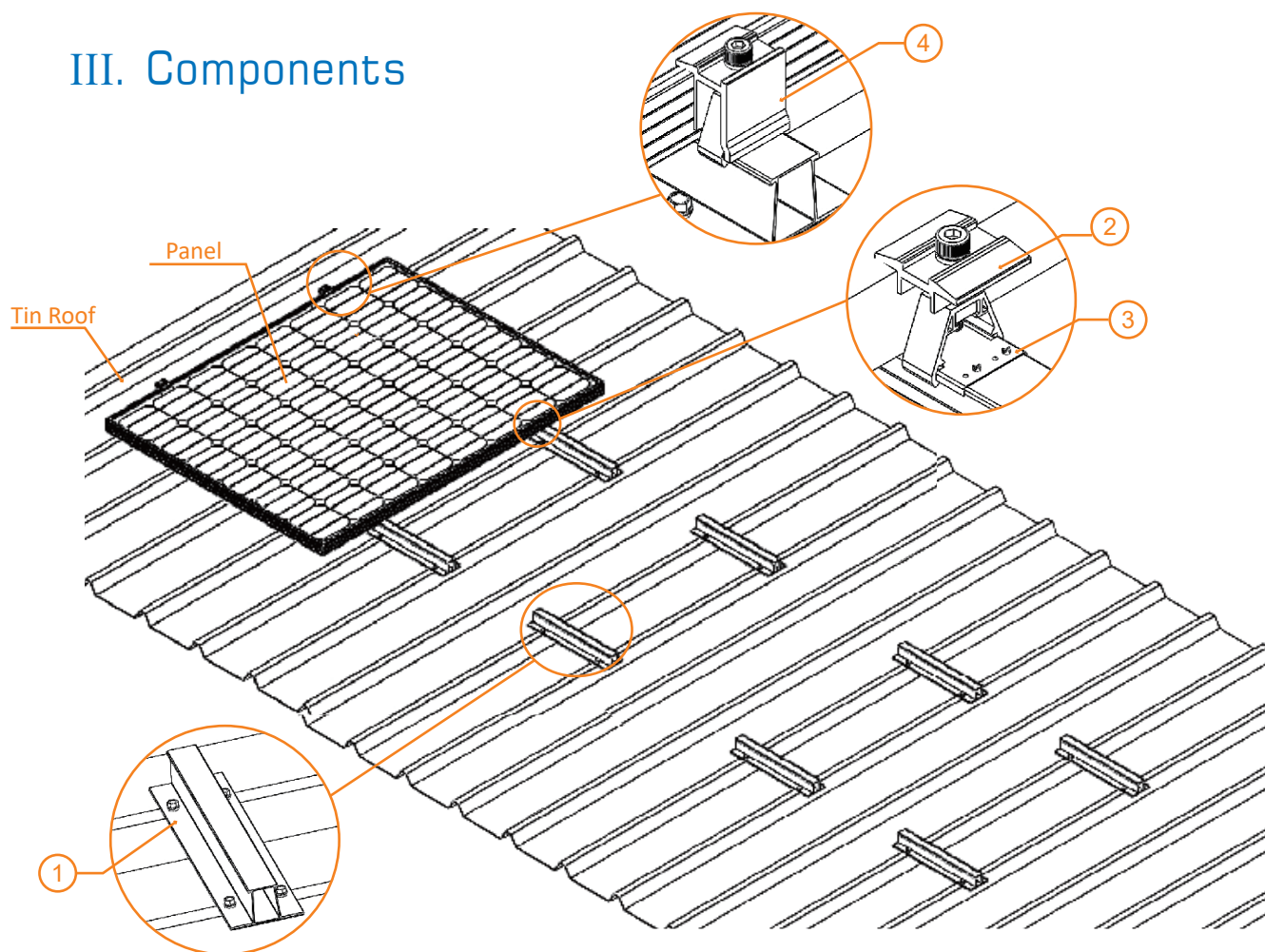
I. Installation Rule

Installation of the framing shall comply with relevant local government standards, manufacturer's specifications and good building practices. The roof which the panels to be installed shall comply with the relevant local government standards.
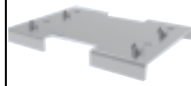
- Follow the risk management process prior to commencing work – including identify hazards, assess risks, eliminate or control them.
- Consult with those involved in the work.
- Develop safe work procedures for installing solar panels, using information from the risk management process, which would include reviewing the following information:
  - Provide appropriate information and training to those involved in performing the work.
  - Provide appropriate tools and personal protective equipment (PPE).
  - Ensure that a system is in place to prevent or arrest falls.
  - Ensure there are adequate first aid facilities.
  - Ensure all employees are aware of the emergency procedures.

II. Installation Tools

☐ Tape Measure	☐ Chalk Line	☐ Labor Protection Products
End Clamp Mid Clamp		☐ Allen Key
Mini Rail 17#		☐ Open-end Spanner

III. Components

Item	Sales NO.	Description	Picture	Quantity
				4PCS/Kit
1	CK-FTS-017-1-73-400	CHIKO Mini Rail 017, H40mm, L400mm		10
2	CK-FTM-T40	CHIKO Solar T adjustable Mid Clamp Kit 30-40mm		6
3	CK-IS-136	CHIKO Grounding clip		6
4	CK-FTE-T40	CHIKO Solar T Adjustable End Clamp Kit 30- 40mm		4

IV. Installation Steps
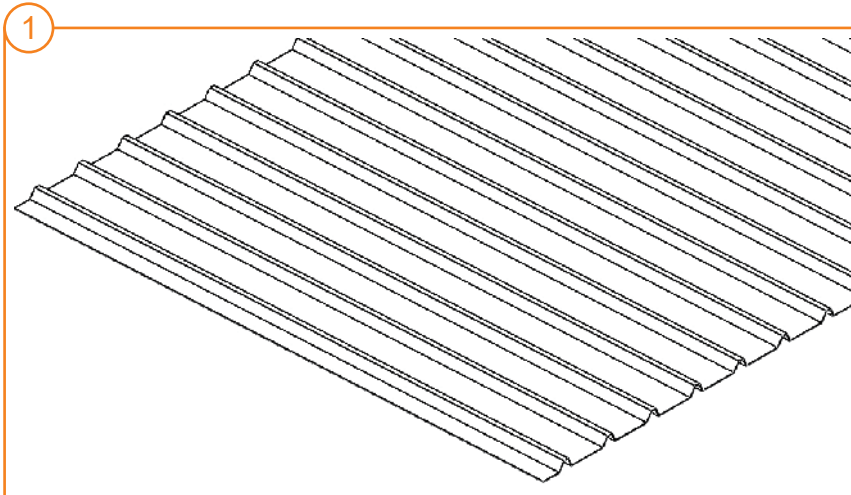
Use a chalk line to mark the roof.
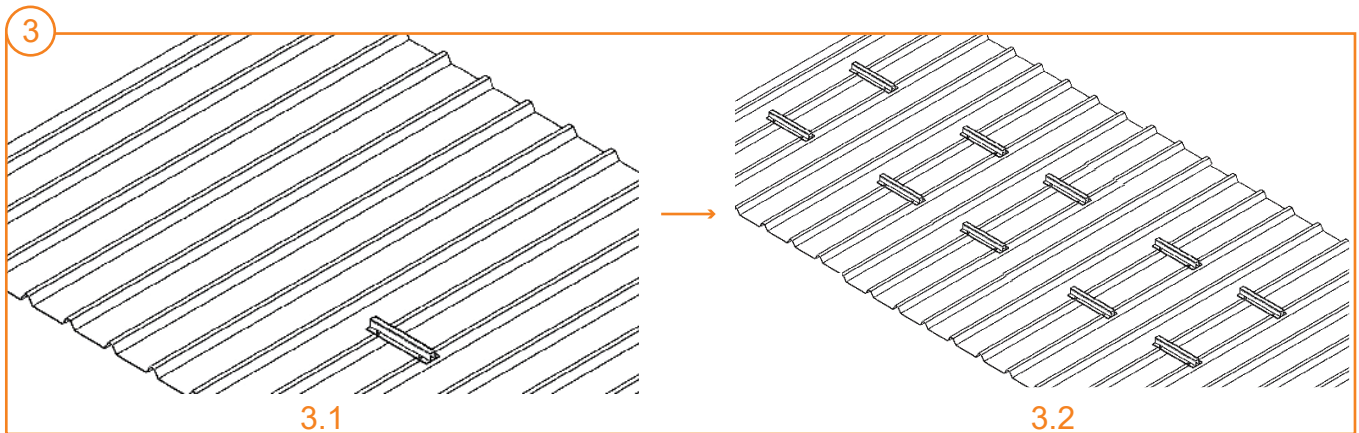
Installation of Chiko Mini Rail 17#
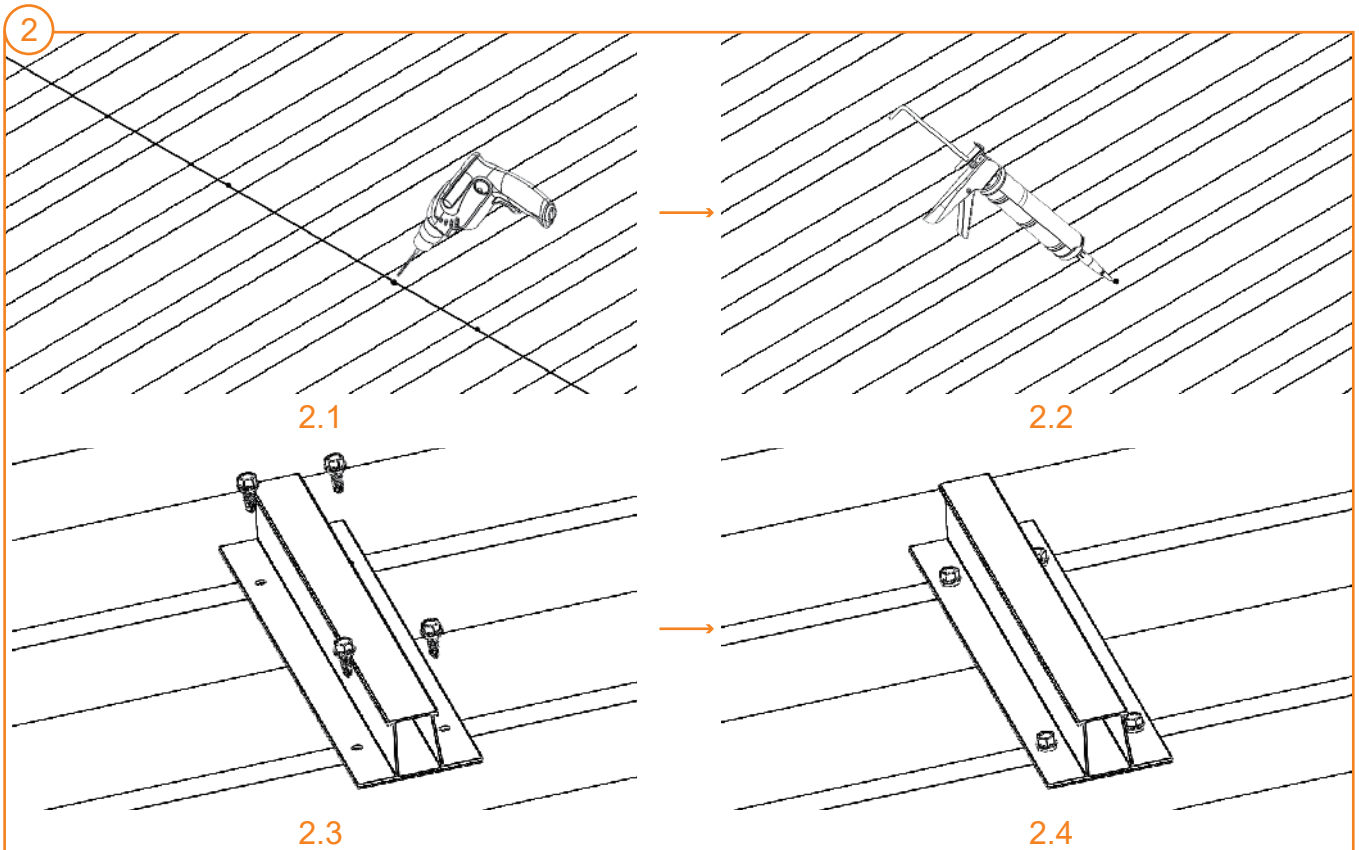
2.1-2.2: Drill a single pilot hole on the marked point.Backfill the pilot hole with sealant.
2.3-2.4: Remove the metal burr where you are installing the mini rail 17# by gently pulling and pushing the metal burr. Place the mini rail 17# on top of the purlin where it will be installed, then fasten it with two steel screws φ5.5*25.

3

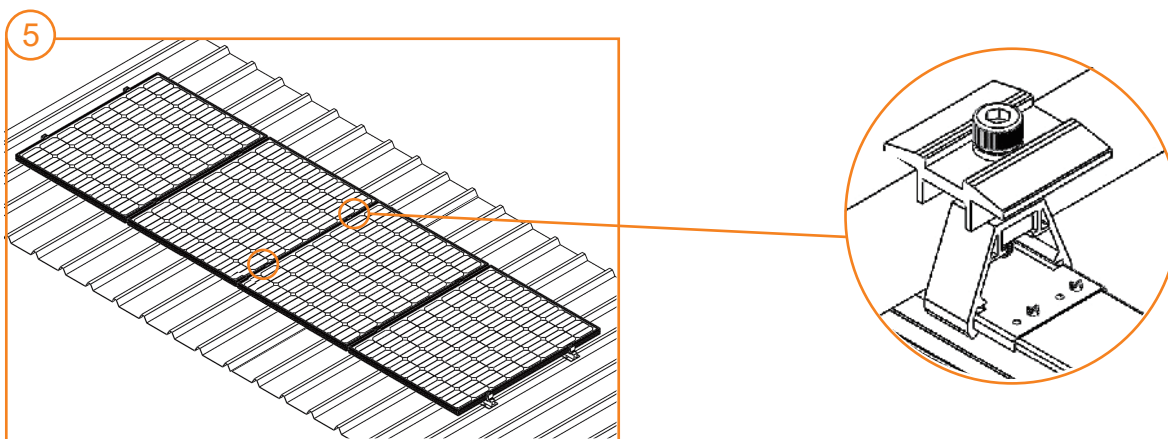3.1   3.2

Install all the mini rails 17# according to step 2.

Installation of End and Mid Clamps

4
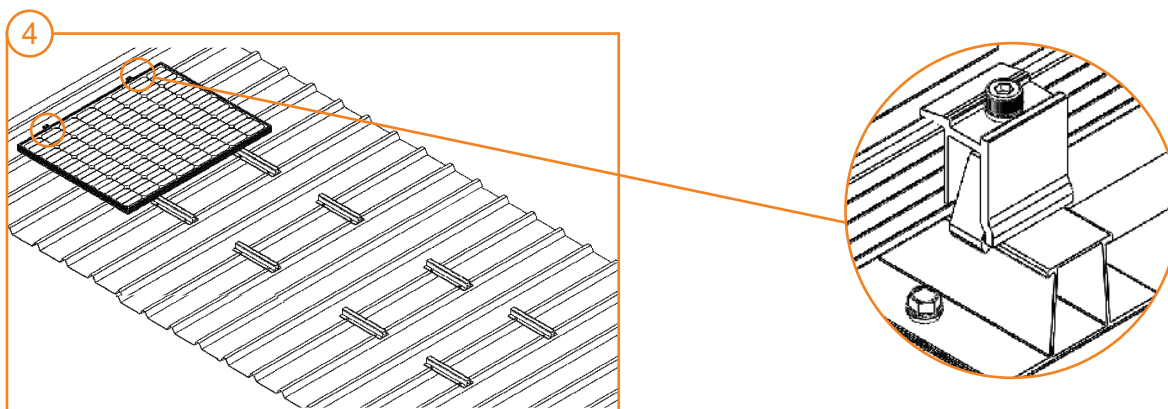
Tilt the end clamp nut into the top opening of the rail. Put the first P V module on the two parallel rails, then fasten the end clamp bolt (inner hex bolt M8) to secure one side of the panel.

5

Insert the mid clamp nut by tilting it into the top opening of the rail, then put the second panel onto the rails. Fasten the mid clamps with inner hex bolts M8 at all locations where two panels meet. Install all the panels and fasten end clamps at the end of each array.

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