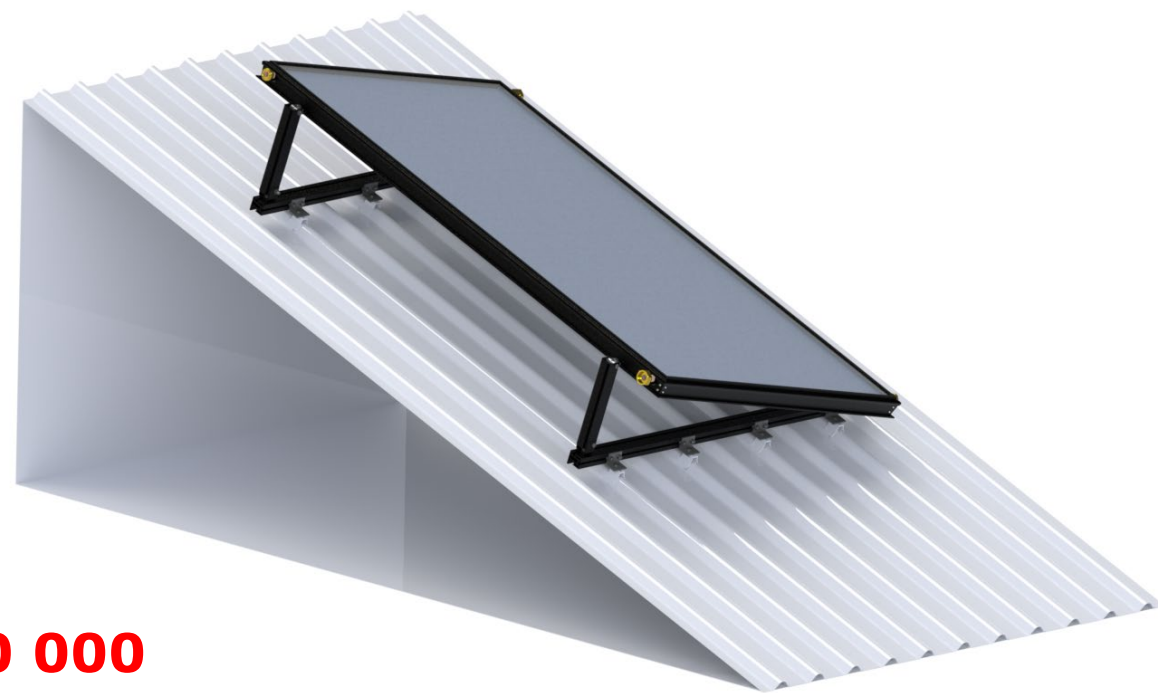


INSTALLATION GUIDE

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SOLAR HOT WATER

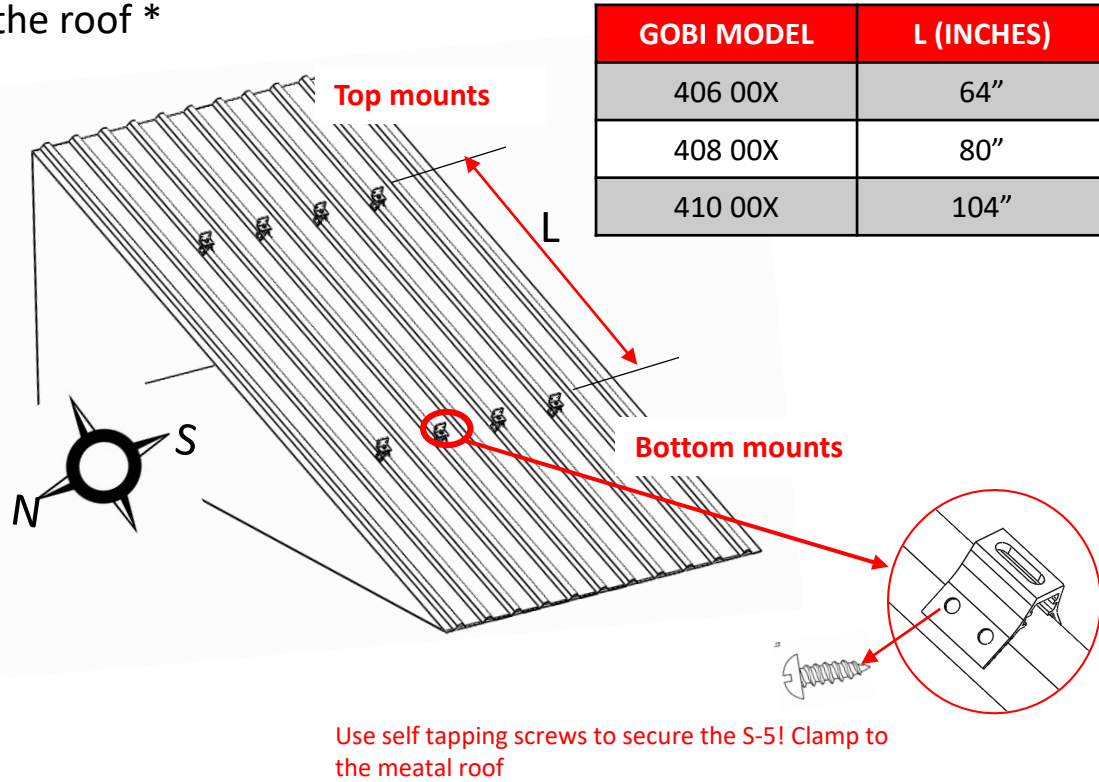
Flush mount Tilt kit for
metal roofs

FLSR 012 001 - RAIL 001 000B - LBMR 000 000



**EXCELLENCE
BY DESIGN**

Step 1 -Mark the point where the S-5! will be mounted on the roof *

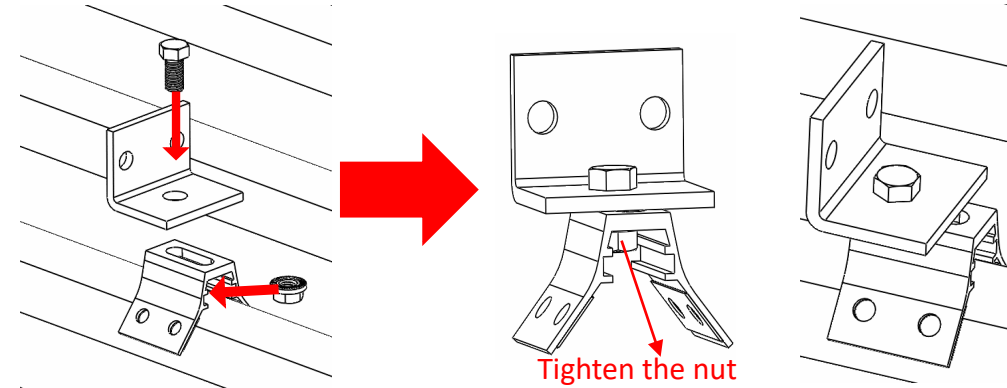


*Ensure the placement of the S-5! on the roof secures them to the roof rafters/ structure or as per the PE recommendation to maintain structural integrity.

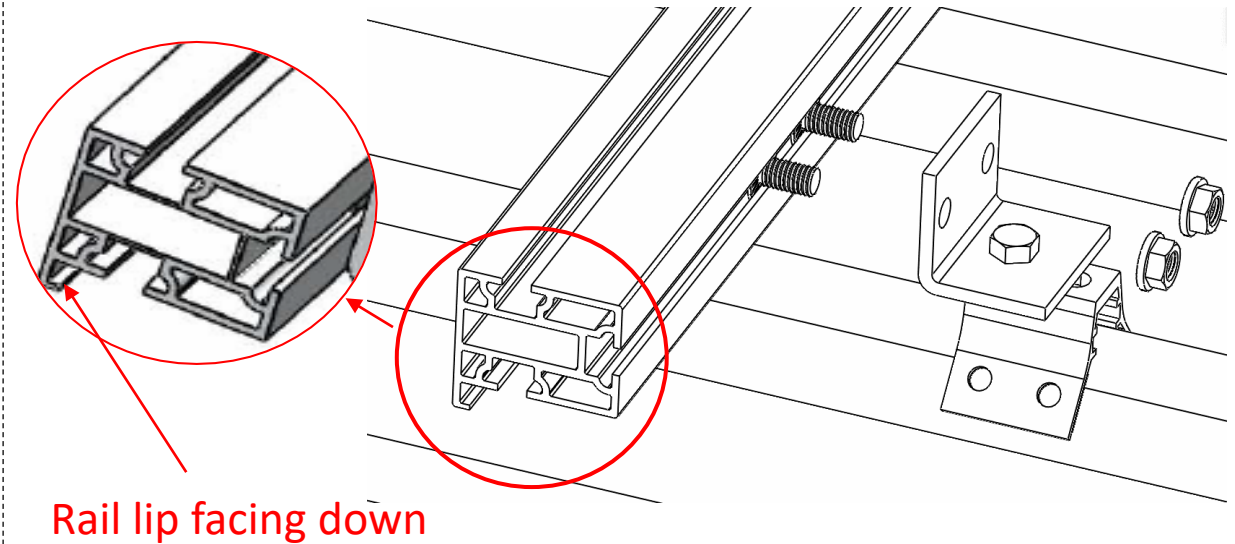
Step 2 – Install the S-5! on the roof, refer to the S-5! Installation manual

Step 3 – Connect the L- Bracket to the S-5! Clamps

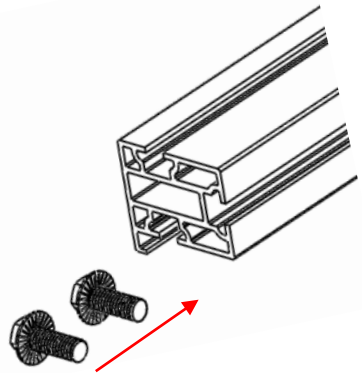
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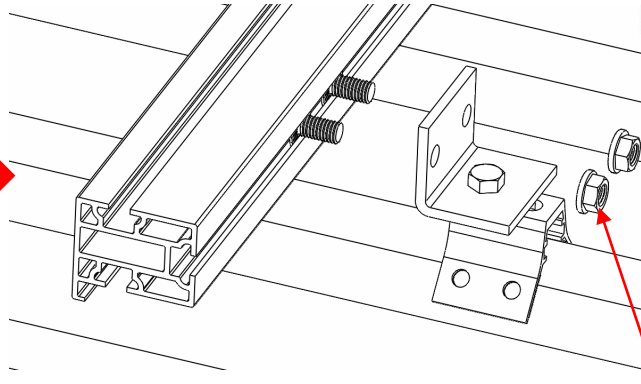
Step 4 –Rail set up for Top & Bottom mounts



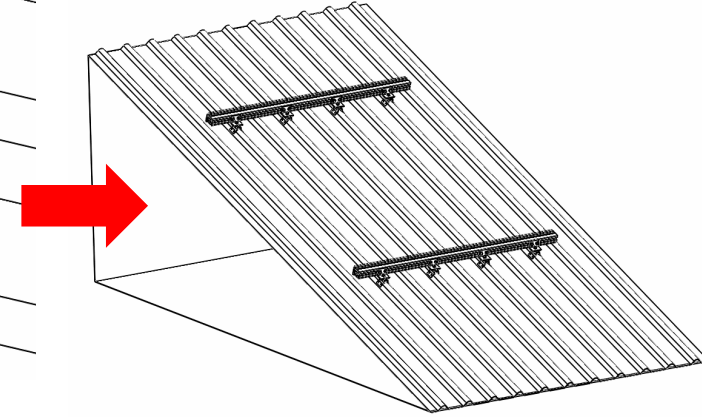
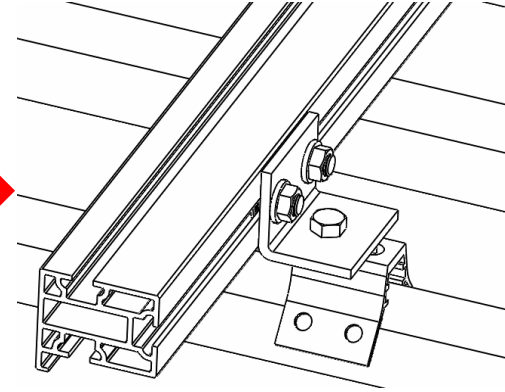
Step 5 – Installing the L bracket with the top and bottom rail



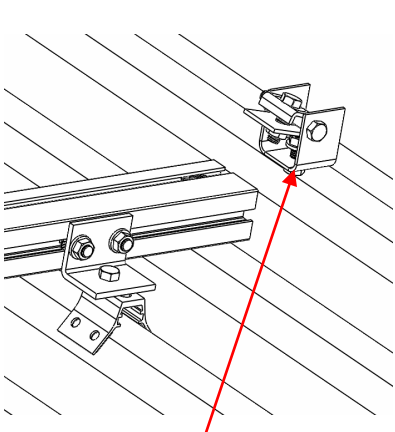
Slide Bolts with external tooth washer in the rail



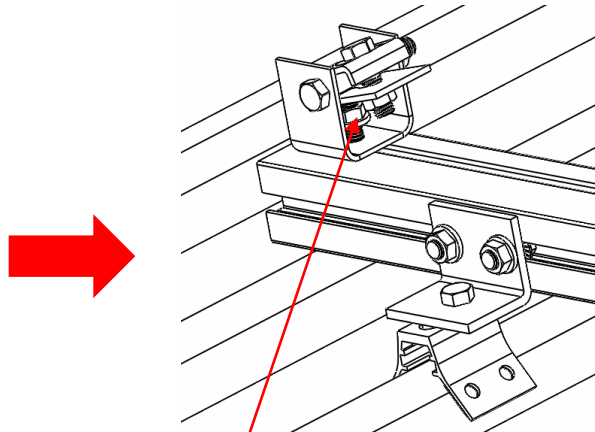
Tighten the nuts on the bolts and fix the L-bracket to the top and bottom rails



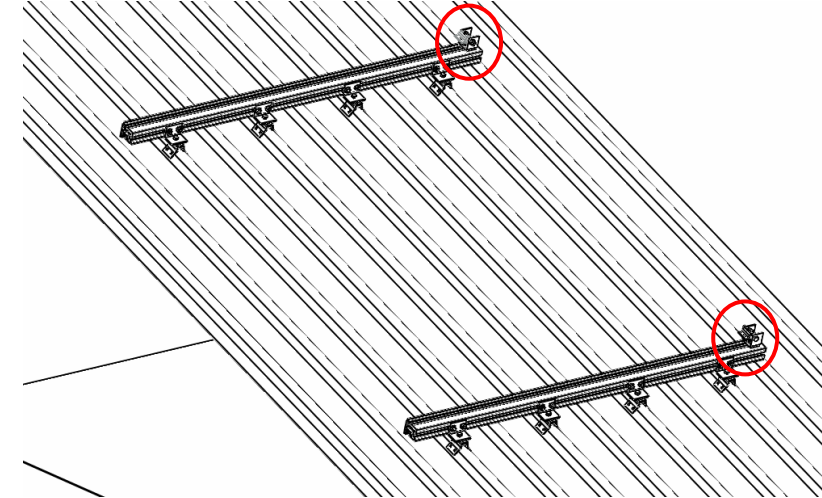
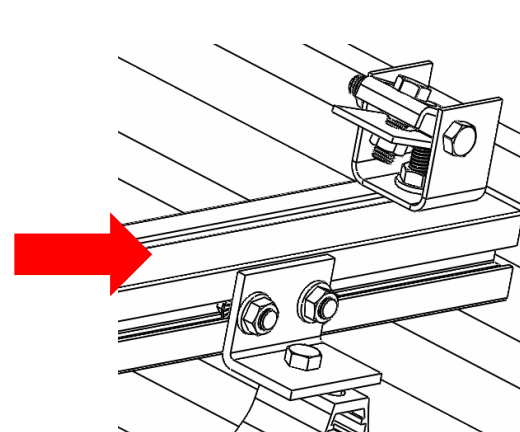
Step 6 – Mounting the shoe on the helio –rail**



Slide the Bolt with the external tooth washer in the rail slot*



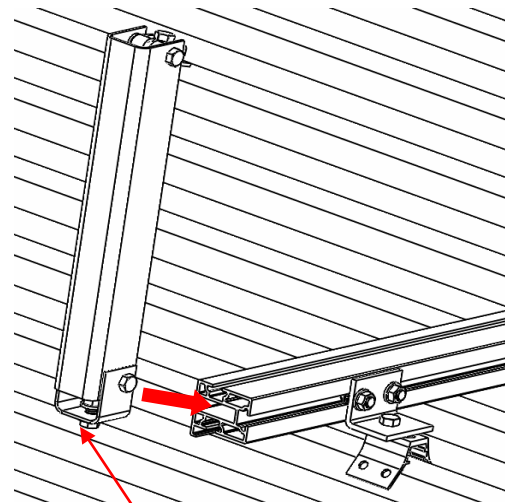
Tighten the nuts on the bolts and fix the shoe to the bottom rail



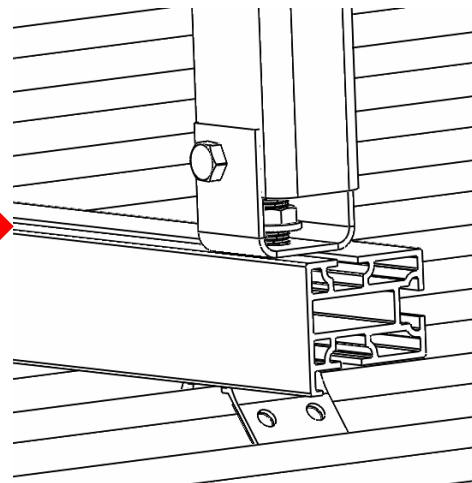
*Note – Loosen the bolt on the shoe to slide into the Helio-rail slot

**Note – Mounting shown is for West facing roof.

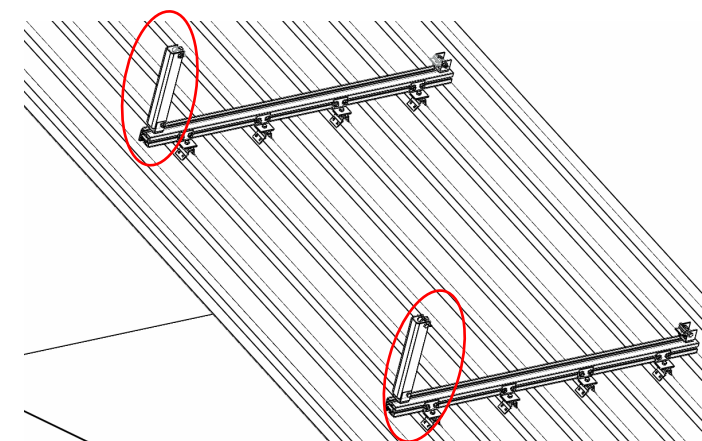
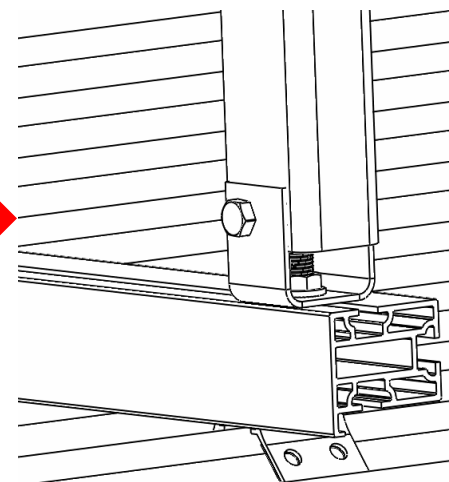
Step 7 – Slide in back leg and connect the back leg assembly to helio –rail



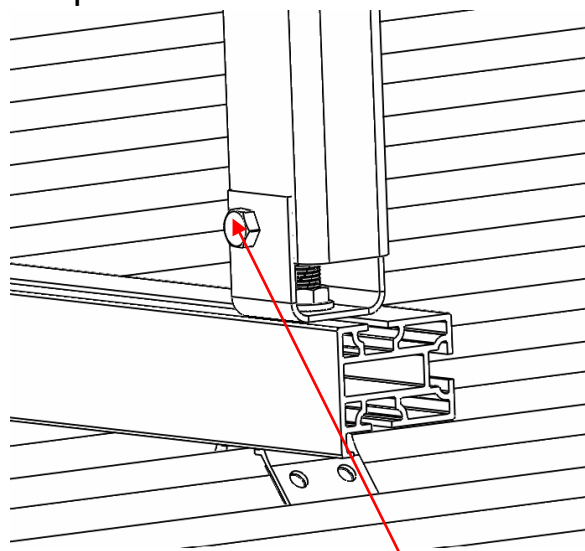
Slide the Bolt with the external tooth washer in the rail slot*



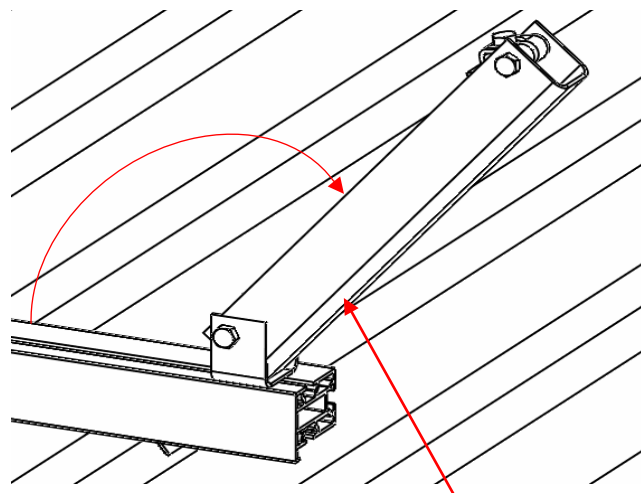
Tighten the nuts on the bolts and fix the shoe to the rail



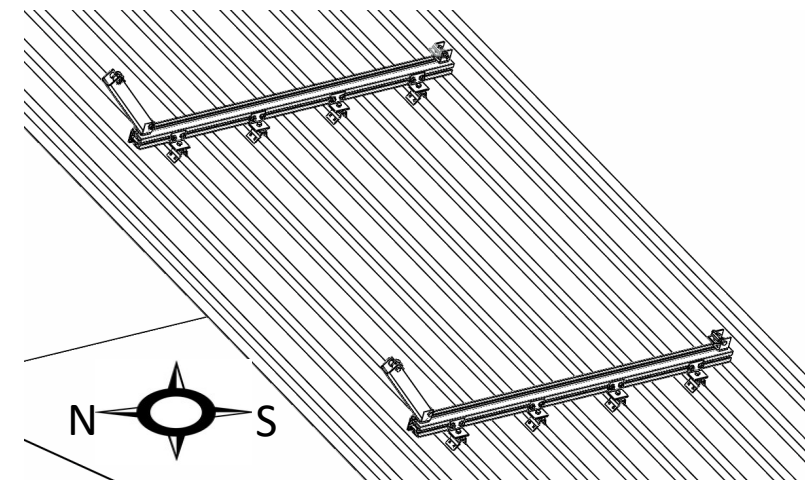
Step 8 – loosen the Bolt on the leg assembly to rotate the leg



Loosen the nut and bolt

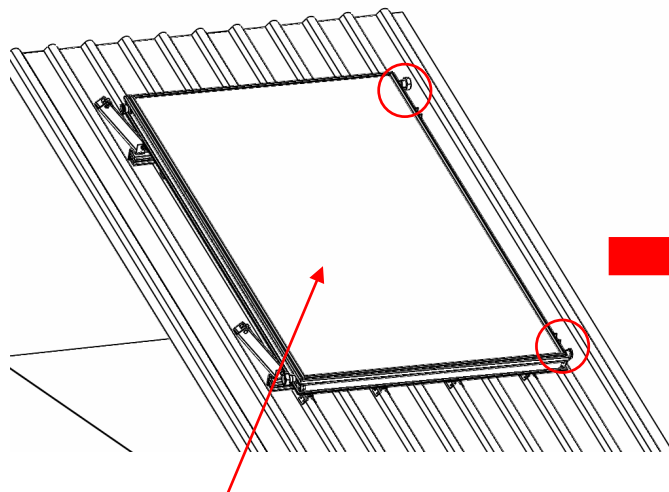


Rotate the leg

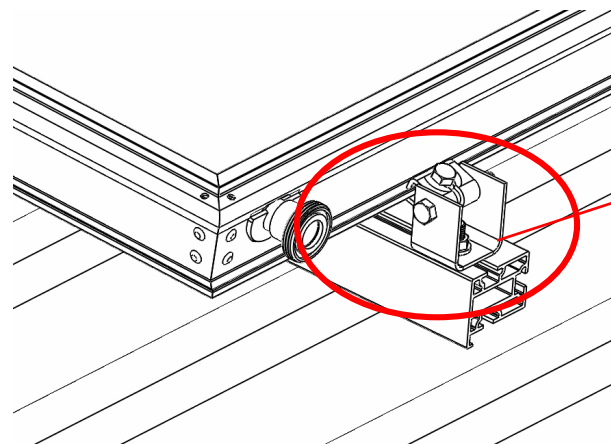


Note – Mounting shown is for West facing roof tilted to south

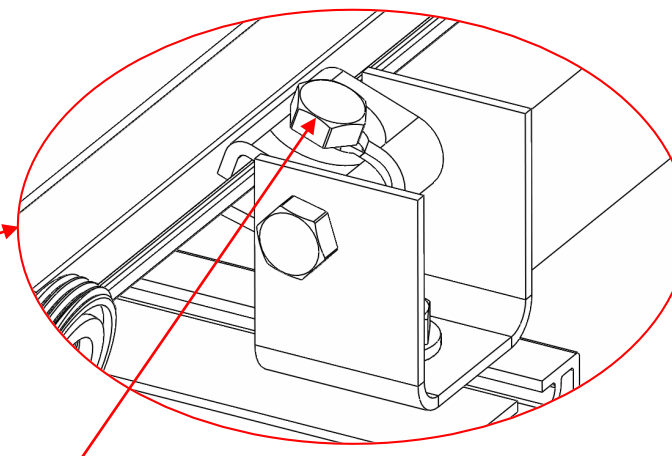
Step 9 – Rest the GOBI collector on the rails and leg and tighten the front leg



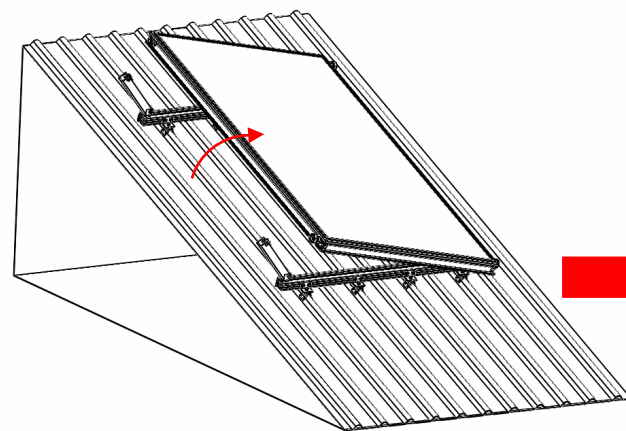
Rest the GOBI collector on the rail and back leg



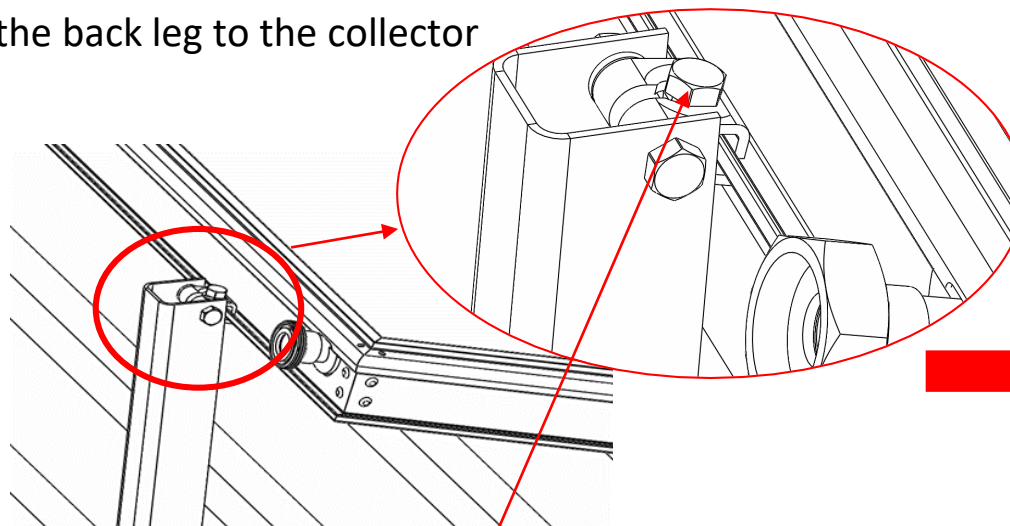
Secure the collector with a Helio-clip and nut



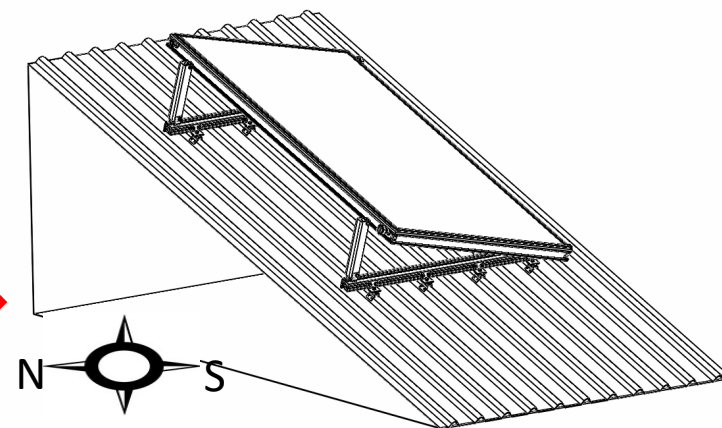
Step 10 – Lift the Gobi collector to secure the back leg to the collector



Lift the Gobi Collector



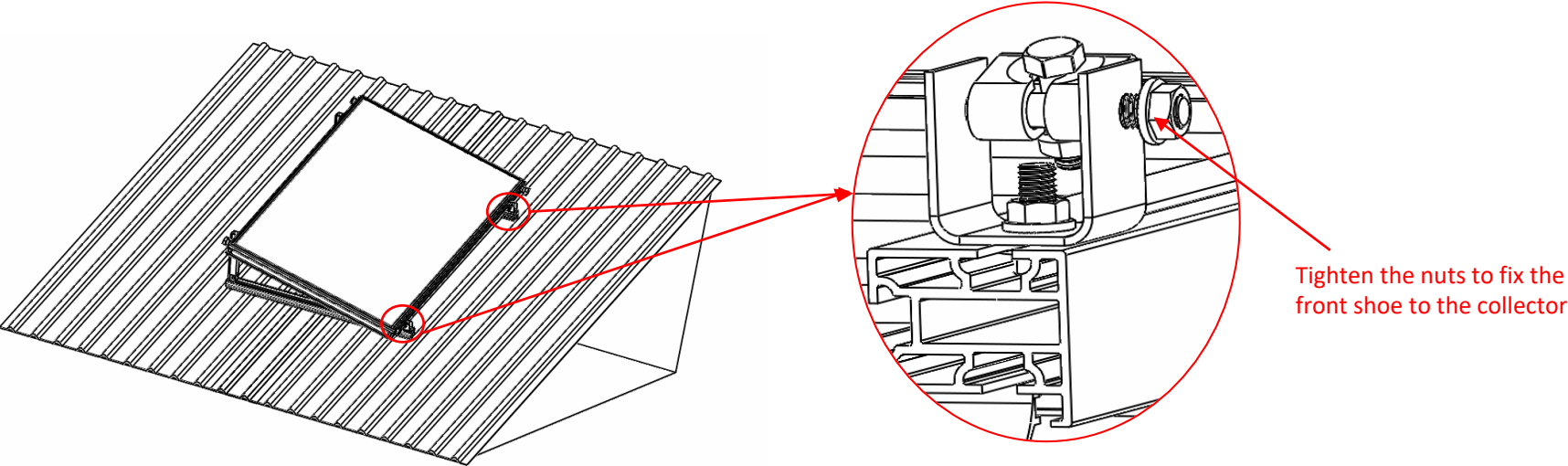
Secure the collector to back leg with a Helio-clip and nut



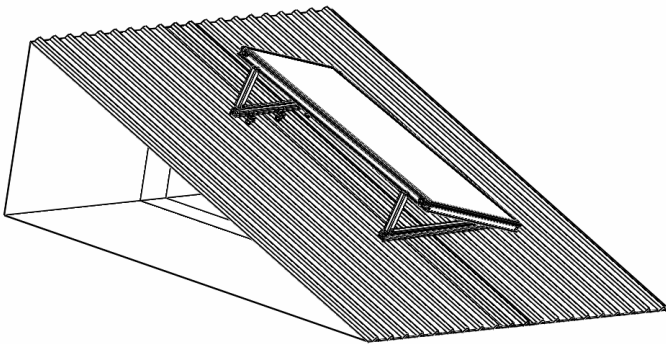
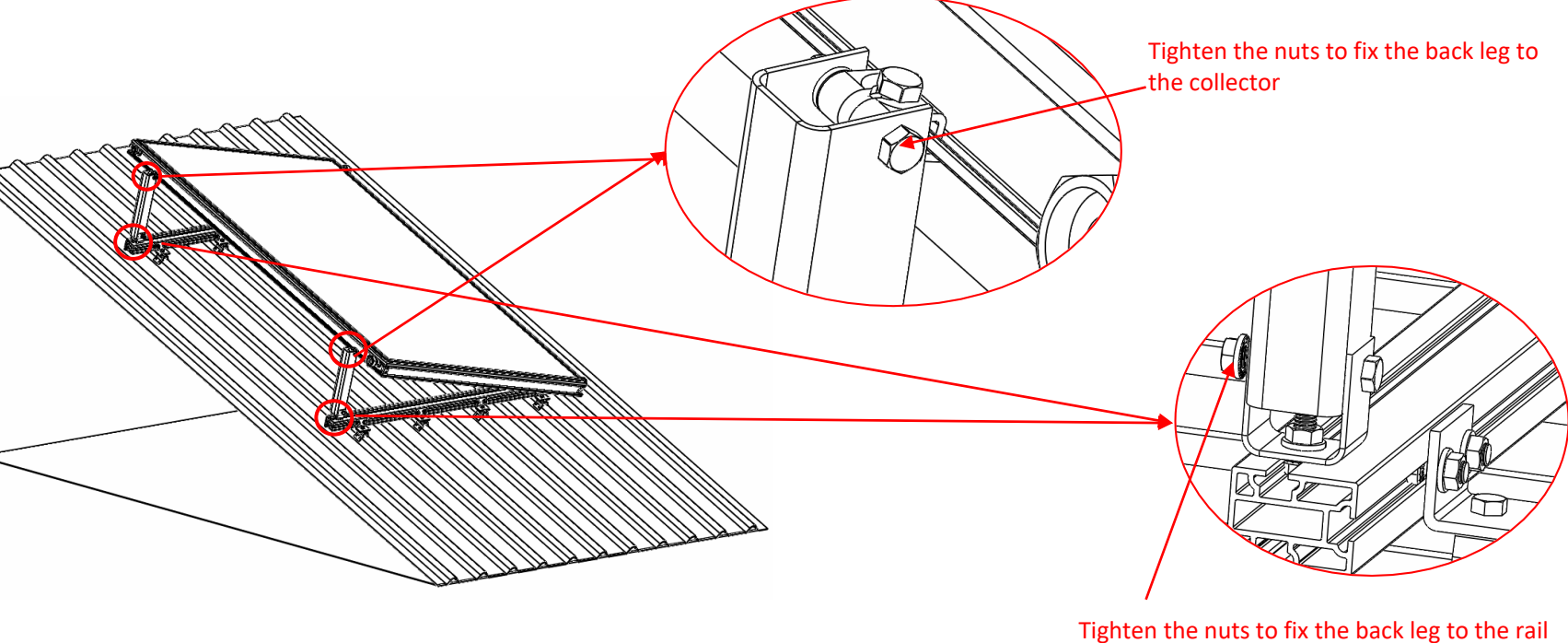
Tighten the nuts fix the front shoe to the collector
Tighten the nuts fix the front shoe to the collector

Note – Mounting shown is for West facing roof tilted to south

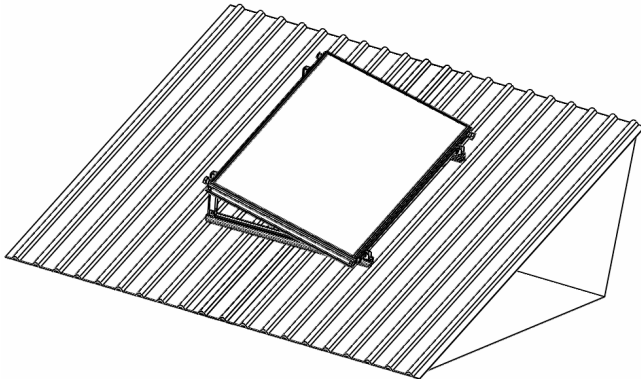
Step 11 – Tighten the nuts on the front shoe for securing the collectors



Step 12 – Tighten the nuts on the back leg for securing the collectors



JOB DONE



Mounting for West facing roof tilt towards the south

BOM

S.no	PN	Description	Qty
1	40446	FLSR 012 001 for rib bracket rail kit	1
2	40092 B	RAIL 001 000B single collector	1
3	40434	LBMR 000 000 (L-bracket kit for metal roof)	8
4	XXXX	Rib bracket	8

- 4 FINISH:
3. REMOVE ALL BURRS AND SHARP EDGES (R.076 MAX).
- 2 MATERIAL:
1. INTERPRET DRAWING PER ANSI/ASME Y14.5 & Y14.35M. DIMENSIONS AND TOLERANCES PER ANSI/ASME Y14.5M-1994.
- NOTES: (unless otherwise specified)

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		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [.XX]=MM, TOLERANCES ARE: DIMENSIONS ANGLES .X = ±.030 [.762] X° = 1° .XX = ±.010 [.254] XX° = 1/2° .XXX = ±.005 [.127] XXX° = 1/4°		NAME	DATE	heliodyne SOLAR HOT WATER TITLE: 40446 BOM _FLSR 012 001 with collector and rib bracket for metal roof SIZE B DWG. NO. 40446 BOM _FLSR 012 001 with collector and rib bracket for metal roof REV B SCALE: 1:16WEIGHT: N/A SHEET 1 OF 2	
			DRAWN	M STARKEY	04-05-2024		
			CHECKED				
			ENG APPR.				
			MFG APPR.				
		MATERIAL	SEE NOTE 2	Q.A.			
		FINISH	SEE NOTE 3	COMMENTS:			
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION					
APPLICATION		DO NOT SCALE DRAWING					