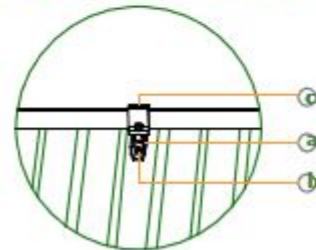
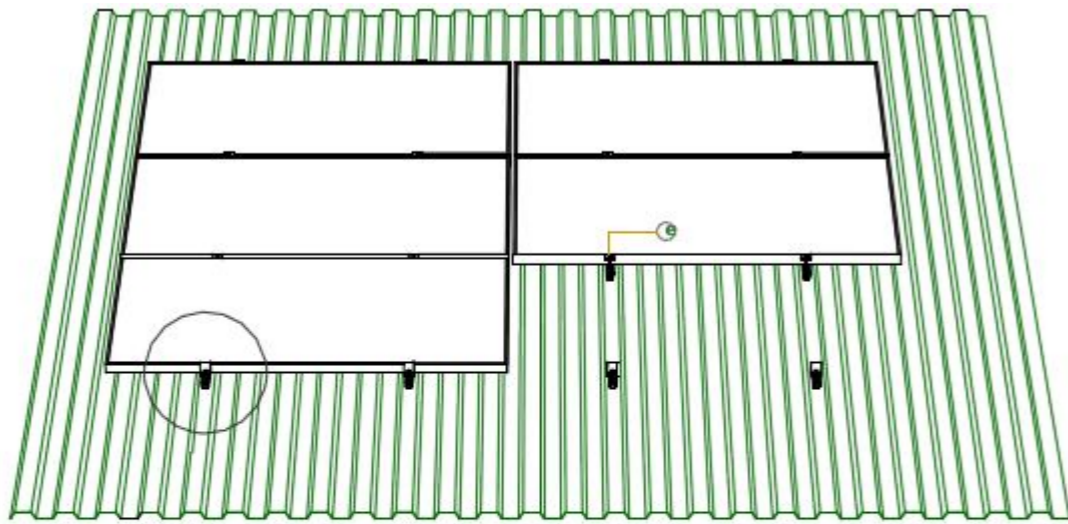
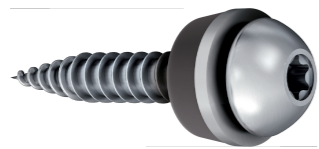
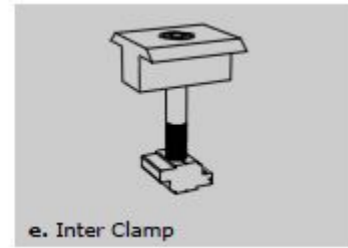
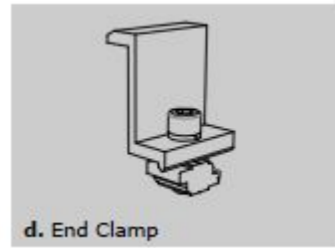
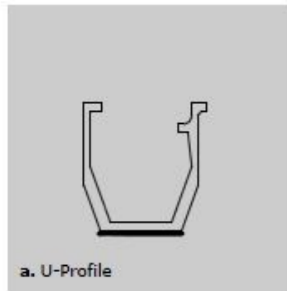


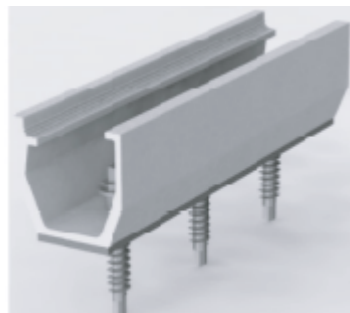
SYSTEM OVERVIEW



- a. U-Profile
- b. Self-drilling Screw
- c. End Clamp

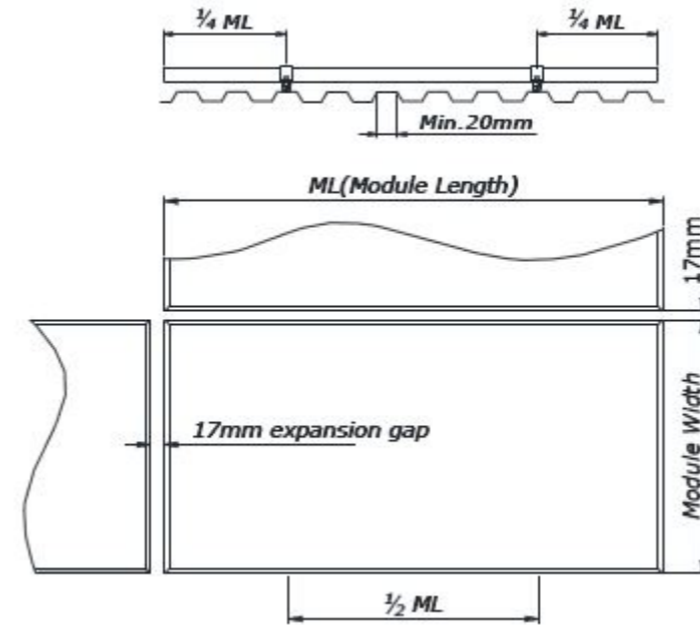


Clenergy Trapezoidal screw
ER-U-S5.5 X 25-S12

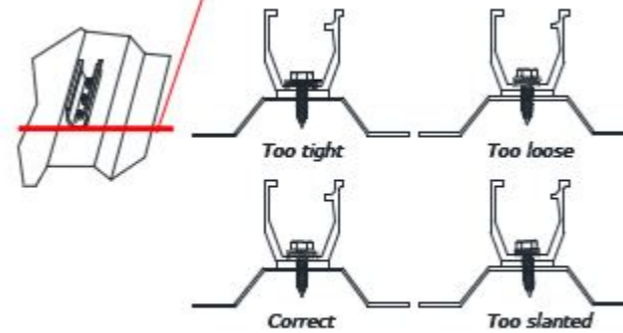
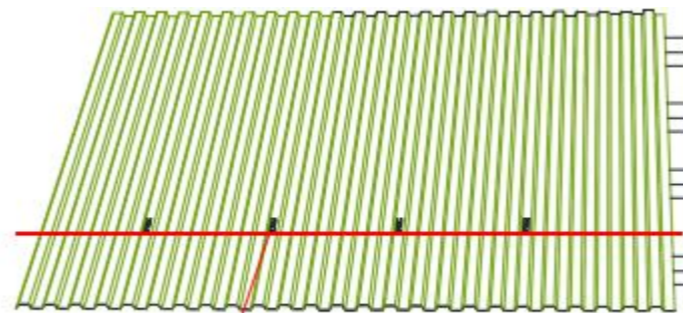


Pull-out performance 0.4mm gauge steel	
Mean average per screw	1.1 KN
Resistance per U-Support with 3 screws	3.3 KN
Resistance per module with 4 U-Supports	13.2 KN
Resistance per m ² applying a safety factor of 2	4.05 kPa
Pull-out performance 0.5mm gauge steel	
Mean average per screw	1.29 KN
Resistance per U-Support with 3 screws	3.87 KN
Resistance per module with 4 U-Supports	15.5 KN
Resistance per m ² applying a safety factor of 2	4.75 kPa
Pull-out performance 0.7mm gauge steel	
Mean average per screw	1.7 KN
Resistance per U-Support with 3 screws	5.1 KN
Resistance per module with 4 U-Supports	20.4 KN
Resistance per m ² applying a safety factor of 2	6.26 kPa

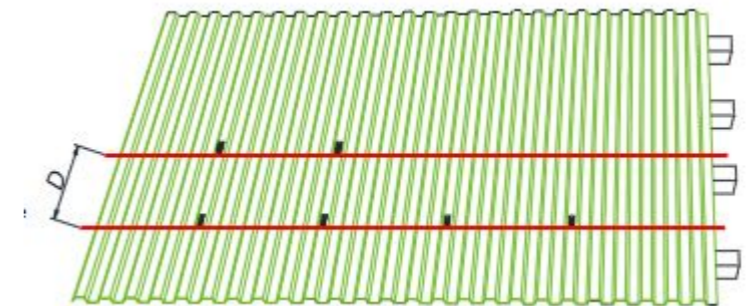
INSTALLATION DETAILS - PART 1



THE DISTANCE BETWEEN THE TWO U-PROFILES SHOULD BE HALF THE PV MODULE LENGTH APART. ON THE SHORT SIDE OF THE MODULE AN EXPANSION GAP OF 17mm IS REQUIRED

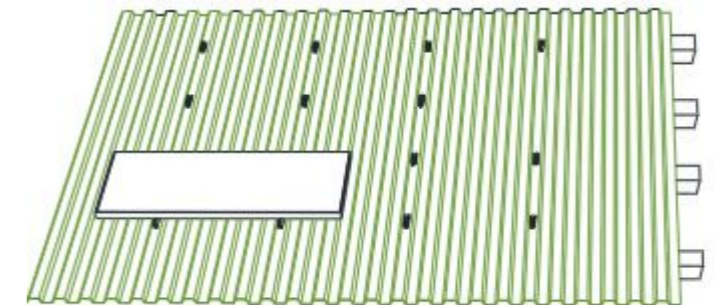


INSTALLATION DETAILS - PART 2



THE DISTANCE BETWEEN THE TWO ROWS WILL BE:

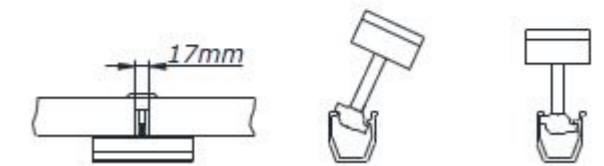
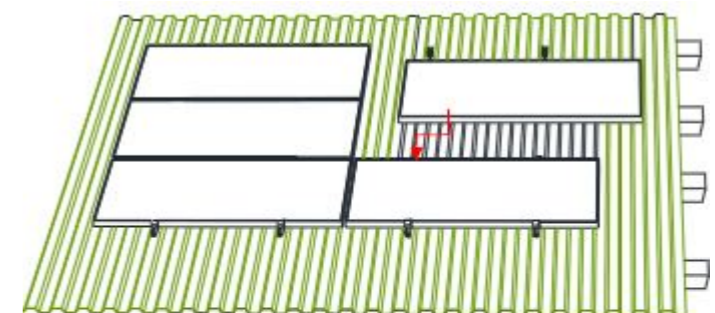
$$D = \text{MODULE WIDTH} + 18\text{mm}$$



PV MODULES MOUNTED FROM LOWER POINT ON THE ROOF.



MODULES PLACED IN THE MIDDLE OF THE U-PROFILE



1:NTS

DRAWING STATUS	DD/MM/YY
ISSUED FOR INFORMATION	
ISSUED FOR TENDER	
ISSUED FOR COMMENT	
ISSUED FOR APPROVAL	03/03/22
ISSUED FOR CONSTRUCTION	
ISSUED AS INSTALLED	

SOLAR PV MOUNTING DETAILS

DRAWN BY

AL

CHECKED BY

AL



125 MAPLE ROAD

REVISIONS

MM/DD/YY	REMARKS
1	...
2	...
3	...
4	...
5	...

WES E-37-01 1136