

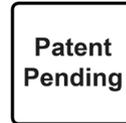


# CWL SOLAR SYSTEM

M-385 2601 EN

## FLAT ROOF SYSTEM

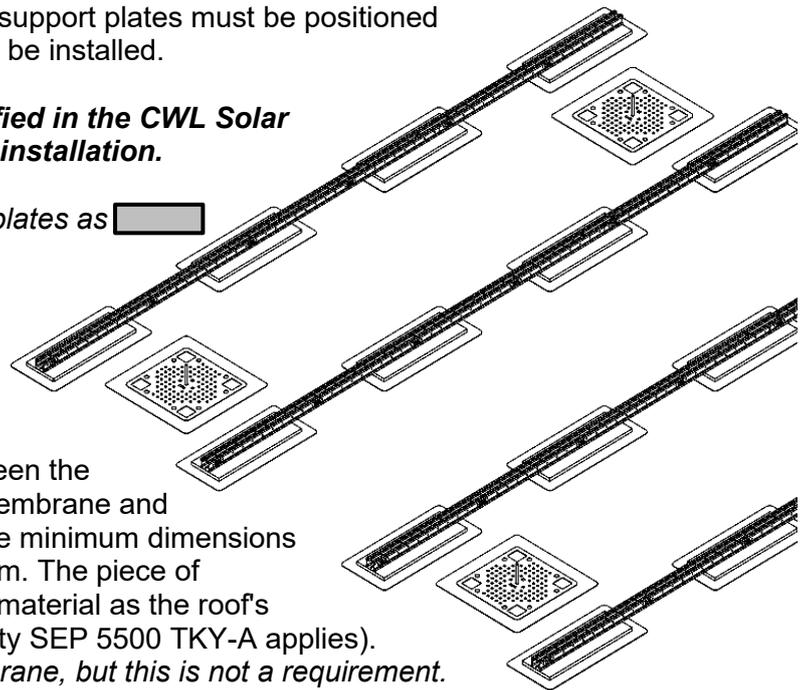
## SUPPORT PLATES FOR BALLAST



Measure and mark precisely where the support plates must be positioned on the roof and any mounting plates must be installed.

All important measurements are specified in the CWL Solar System Project Report. for the current installation.

The project report shows rubber support plates as  and welded mounting plate as .



### Position rubber support plates.

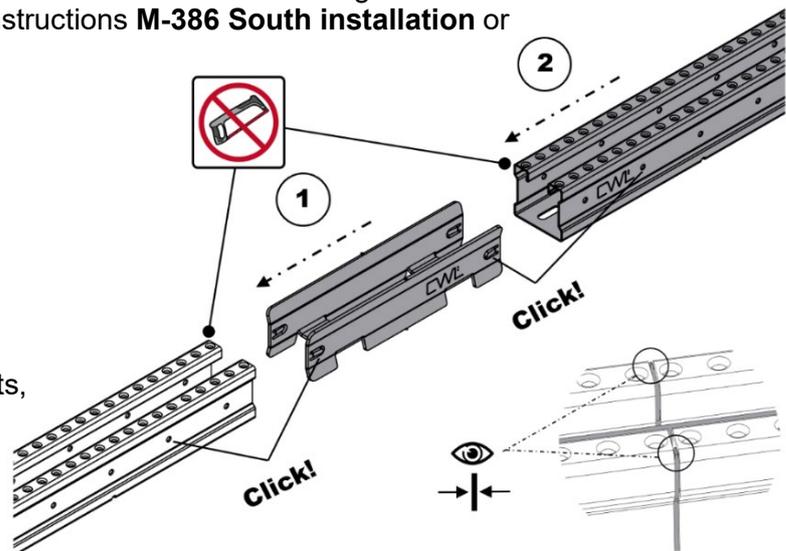
Waterproof membrane, with sliding and protective layer, must be positioned between the support plate and the roof's waterproof membrane and protrude at least 50 mm on each side. The minimum dimensions to meet this requirement are 600 x 270 mm. The piece of waterproof membrane must be the same material as the roof's waterproof membrane. (for bitumen, quality SEP 5500 TKY-A applies). It may be welded to the waterproof membrane, but this is not a requirement. Support plates are single for a height of 15 mm or double for a height of 30 mm.

Position the solar panel rails on the support plate.

Join solar panel rails with click joints. Cut the last rail if necessary. Cut rail can be used when starting a new rail line. Only join uncut ends.

Complete all rows as above. The length of each row rail is indicated in the project report.

Any cross rails should preferably be installed after the low and high brackets have been installed in the next step, refer to installation instructions M-386 South installation or M-387 East-west installation.



### Ballast installation

Ballast is best positioned after installation of the low and high brackets, and before installing solar panels. Follow separate installation instructions M-388 Ballast.

### Hybrid installation

Mounting plates are used in cases where the ballast system is mechanically mounted. A system of this type is called a hybrid installation. Hybrid installation must always be used when the roof pitch is greater than 4° to prevent the system from sliding, or when mounting plates replace ballast. Follow the separate installation instructions M-388 Ballast and read Hybrid installation for installation of mounting plates and how they are connected to the solar panel rails.

The project report specifies whether it is a hybrid installation or a ballast installation.