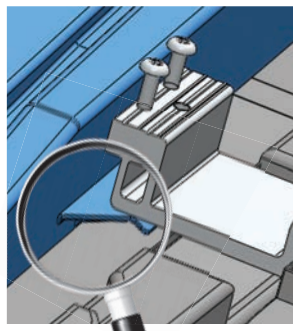
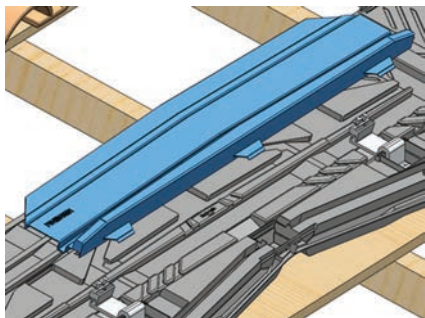


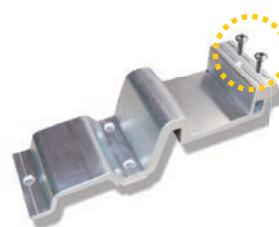
11 FIX THE DEFLECTOR

Fix a deflector on each top frame in case of a rake > 2m above the PV field



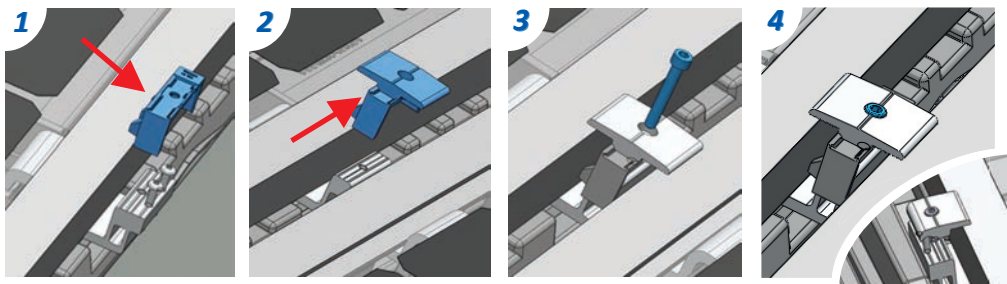
1 GOODS PREPARATION

End bracket preparation



using an end clamp to align the screws with the top of the module.

12 POSITION AND WIRE THE PV MODULES, SCREW THE MIDDLE AND END CLAMPS

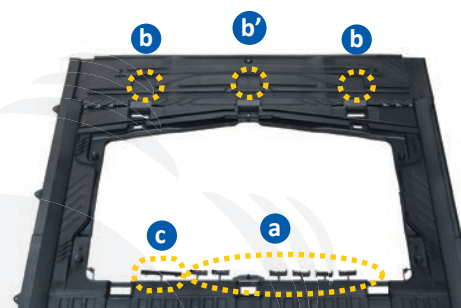


Couple de serrage 8.8 Nm

DISCLAIMER : This enclosed document « Mini installation guide EASY ROOF EVOLUTION (size M-1) » should not be considered in no case as a replacement of the standard installation manual EASY ROOF EVOLUTION size M-1. The main objective of this shorter manual is to provide assistance to the professional installers. It has no aim in replacing the main assembly manual. Every single installation has to be undertaken in compliance with the main technical manual which outline all instructions of the installation. You could be held accountable and liable for all actions and its derived consequences from its utilization.

The EASY ROOF products are commercialized by IRFTS SAS. For more information about EASY ROOF in roof mounting system and the reference installation manual please visit our web site: www.irfts.com

Frame preparation



a Remove the 2 module centering wedges that fit the width of your module.

b For an installation with 4 brackets per module, cut and remove the 2 plugs.
Except for the top line



b' For an installation with 6 brackets per module, cut and remove the 3 plugs.
Except for the top line



c If you use the optional top frieze, remove the frieze support.



2 TILES/SLATES REMOVAL

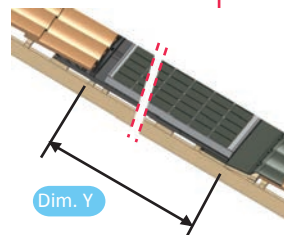
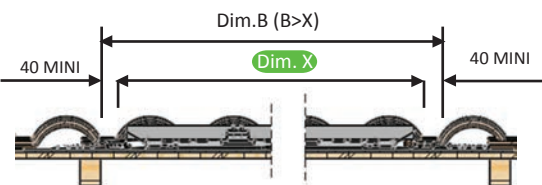
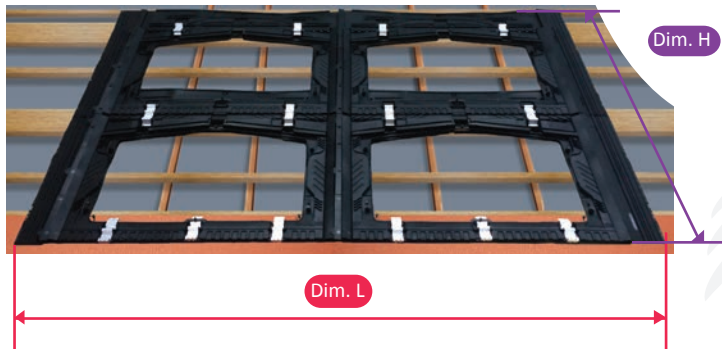
Please check the PV module compatibility list on : www.irfts.com

Width calculation of the system (including flashings)

Module number in length with standard lateral flashings																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Dim. L	2089	3790	5491	7192	8893	10594	12295	13996	15697	17398	19099	20800	22501	24202	25903	27604
Dim. X	1787	3488	5189	6890	8591	10292	11993	13694	15395	17096	18797	20498	22199	23900	25601	27302

Height calculation of the system (including flashings)

		Dim. H	Dim. Y
System vertical step		1020	
Module number in height	1	1291	1058
	2	2311	2078
	3	3331	3098
	4	4351	4118
	5	5371	5138
	6	6391	6158
	7	7411	7178



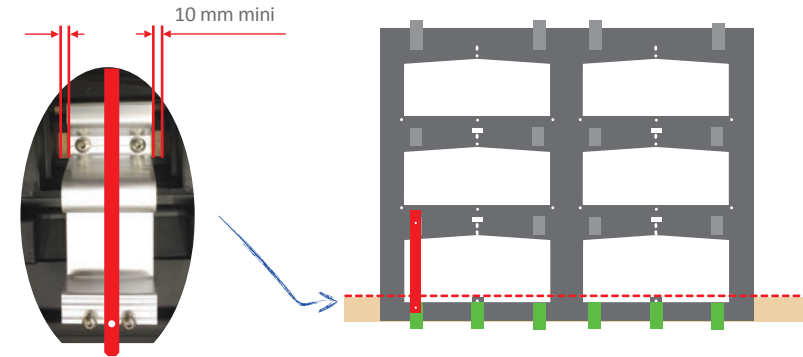
9 SCREW THE END BRACKETS AT THE BOTTOM THANKS TO THE MOUNTING TOOL



THE USE OF THE MOUNTING TOOL IS MANDATORY TO FIX THE END BRACKETS

LEGEND

End bracket
Mounting tool



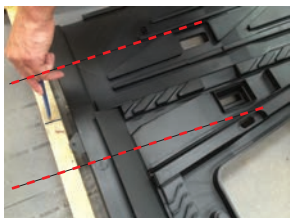
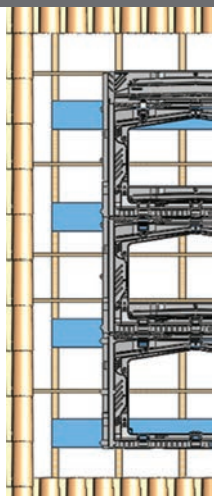
10 ASSEMBLE THE SIDE FLASHINGS LEFT THEN RIGHT



When screwing the flashings, unscrew one turn to allow dilation

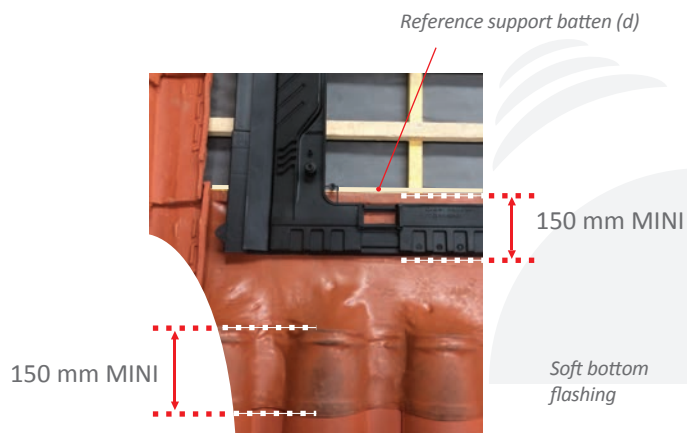
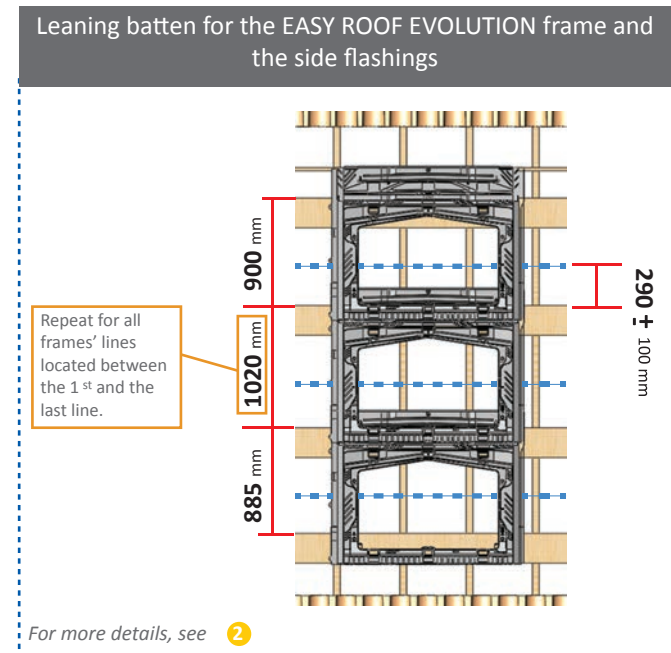
4 INSTALL THE FLOORING

Brackets flooring



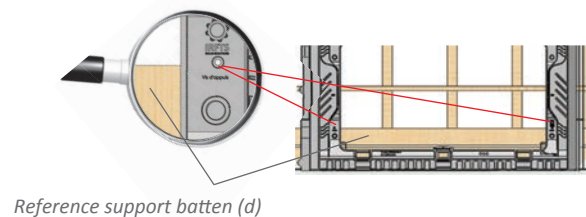
Draw the position of the support battens in front of the opening.

5 BOTTOM FLASHING



7 ADJUST THE 1st FRAME HORIZONTALLY:

Position the 1st frame at the bottom left corner using two screws placed in the openings indicated * and put them leaning against the reference support batten (d).



* Think to remove screws after fixing frames

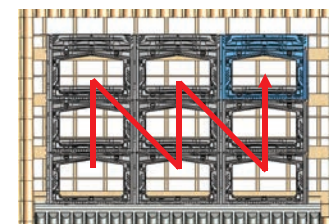
PV field positioning in the width direction

40 mm maxi

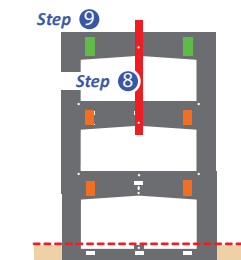
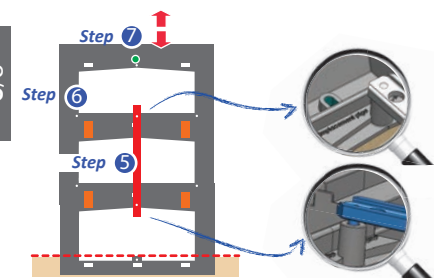
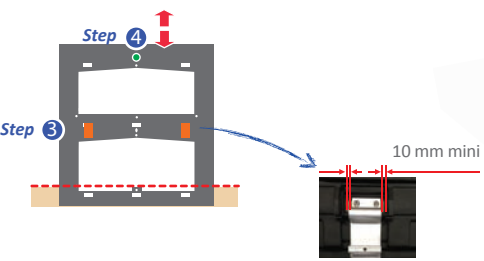


Reference support batten (d)

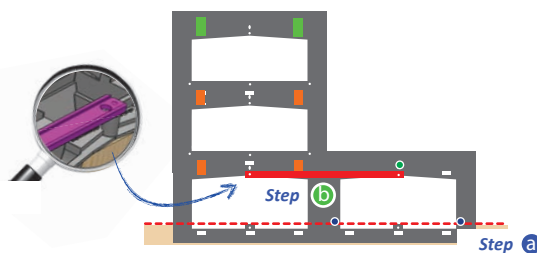
8 POSITION THE OTHER FRAMES AND THE MIDDLE BRACKETS THANKS TO THE MOUNTING TOOL



COLUMN N°1



COLUMN N°2 AND NEXT COLUMNS



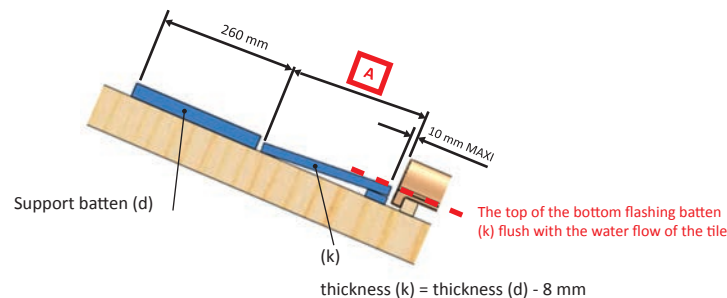
For each column,
please repeat steps from column N°1 by
integrating **step b** before steps **2, 4, 7**

LEGEND

- End bracket
- Middle bracket
- Mounting tool
- Fixing screws

3 INSTALLATION OF THE BOTTOM FLASHING SUPPORT BATTEN AND THE REFERENCE SUPPORT BATTEN

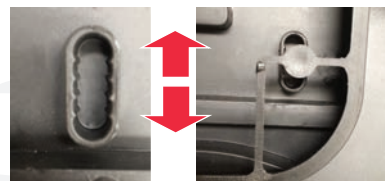
Roof slope (°)	Minimum width of (d)	Minimum width of (k)	Minimum A dimension
10 to 12	see manual p15 to 19	250 mm	260 mm
13 to 16		220 mm	230 mm
17 to 19		180 mm	190 mm
20 to 24		150 mm	160 mm
25 to 50		120 mm	130 mm



Position the PV field in Rake/Slope direction

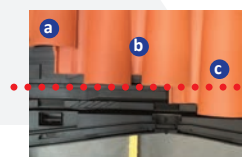
Position one column of frame EASY ROOF EVOLUTION using two screws placed in the openings indicated and put them leaning against the reference support batten (d).

Adjust the frames vertically

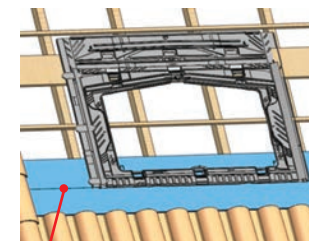


Re position the first tile above the upper frame:

3 POSSIBILITIES:



- a The tile does not reach the marking "limite tuile". Slide up the reference support batten (d) in order to have the tile tangent with the marking "limite tuile". Make sure you respect point **5**
- b The tile is tangent with the marking "limite tuile". Go to step **4**
- c The tile exceed the marking "limit tuile". Cut the tile.



The bottom flashing batten and the bottom flashing itself will have to be 2 tiles longer on each side of the PV field.

