

FES-B20 Solar Panel Roof Mount installation Guide

This installation guide covers a typical installation where the roof construction is as shown. If the tiles/slates are not supported / located at the top edge then an alternative mounting arrangement may be required to avoid undue loading of the slate / tile.

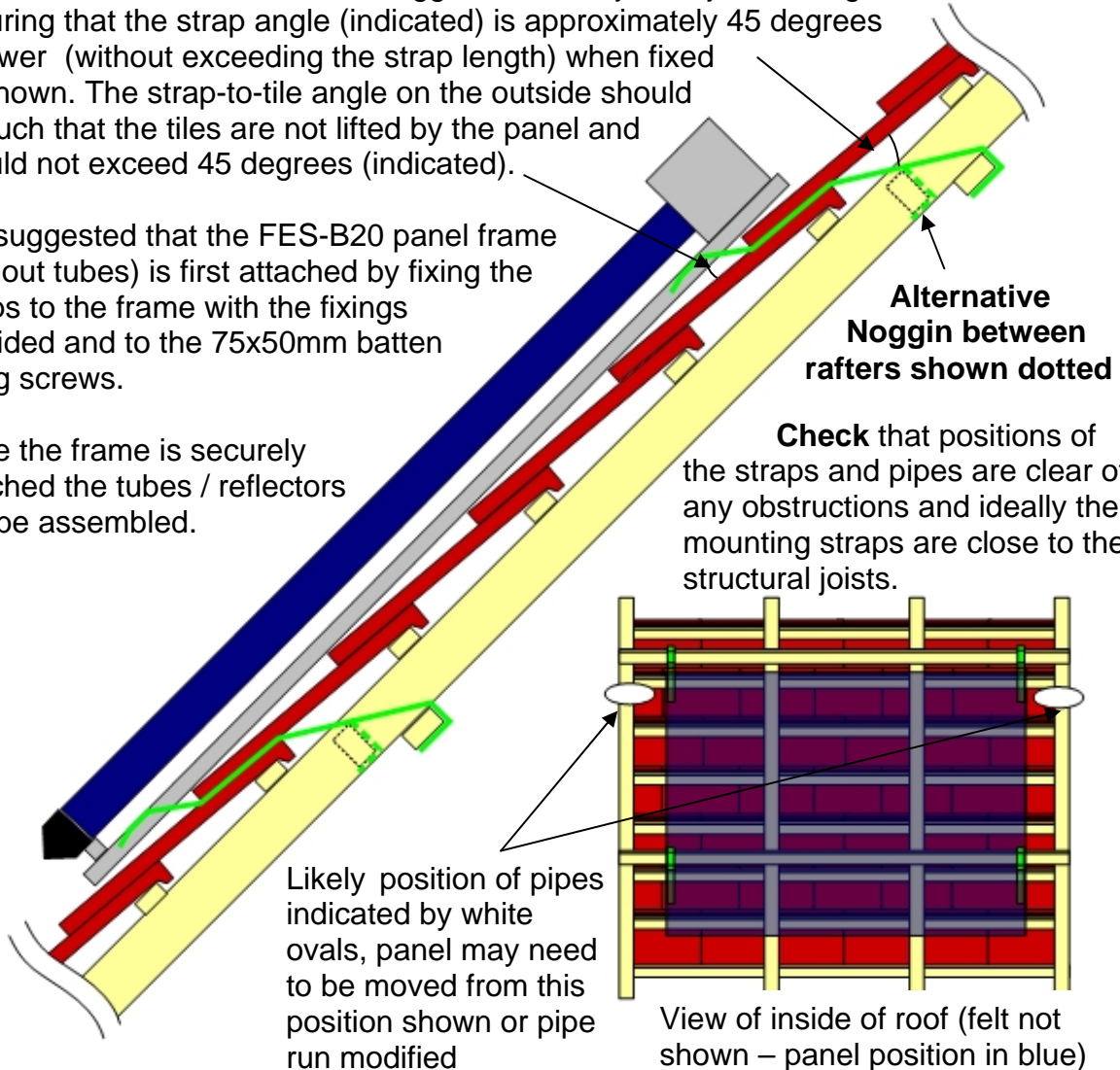
It is assumed that the roof is in a suitable condition to allow the solar panel to be mounted safely and securely to it. If in doubt, seek advice from a roofing specialist.

Before finalising the position of the solar panels, ensure that the mounting straps are as close to the roof structural joist as is possible and that the connecting pipes that may pass through the roof will clear the joists and any other obstructions (Note: pipes are typically within 180mm of the edge of the panel).

The pictures below have the felt omitted for clarity. Once a suitable location has been found, identify the tiling batten which is just below where the straps will emerge as the noggins or battens will probably be positioned just below this. Attach the required number of 75x50mm battens or noggins to the adjacent joists using screws ensuring that the strap angle (indicated) is approximately 45 degrees or lower (without exceeding the strap length) when fixed as shown. The strap-to-tile angle on the outside should be such that the tiles are not lifted by the panel and should not exceed 45 degrees (indicated).

It is suggested that the FES-B20 panel frame (without tubes) is first attached by fixing the straps to the frame with the fixings provided and to the 75x50mm batten using screws.

Once the frame is securely attached the tubes / reflectors can be assembled.



See Full Installation Guide for more details.

