

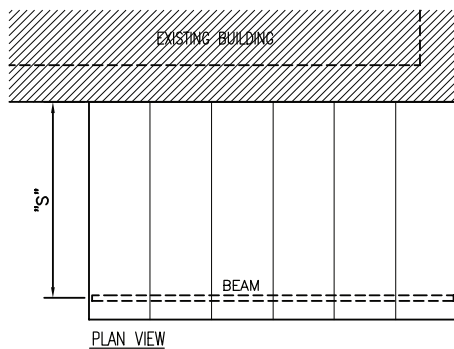
PATIO ROOF HOUSE CONNECTIONS

SOLARIS CONNECTION TO HOUSE (FASCIA OR WALL)

Load capacity of existing tiedowns need to be verified to ensure adequacy

PROCEDURE:

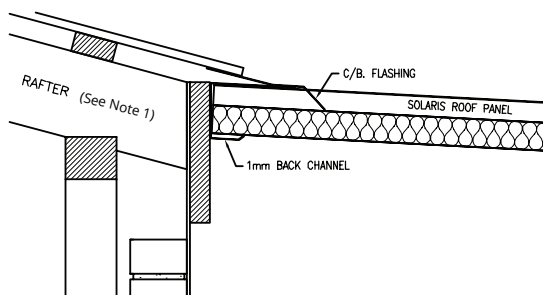
- Refer to Uplift loads on beam table for load width 0.5 x span, select the uplift (kN/m) from the table. This value is the uplift load on the house.
- Select a suitable house connection for the required kN/m uplift.
- Note the uplift capacity of the house fascia connections apply to the receiver channel only. The load capacity and suitability of the members and connections below the rafter are to be assessed and strengthened if required.



WHERE FASCIA AND SOFFIT ARE REMOVED

NOTE:

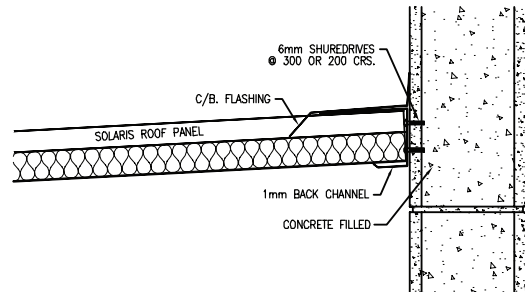
- Cutback rafter tails are shown
- Fix new fascia to each rafter tail with two 75mm batten screws
- Fix back channel to fascia with No. 14 Type 17 screws @ 300 CRS



Rafter spacing (mm)	Uplift capacity of back channel to rafter connection (kN/m)
600	6
900	4
1200	3

BRICK/MASONRY WALL

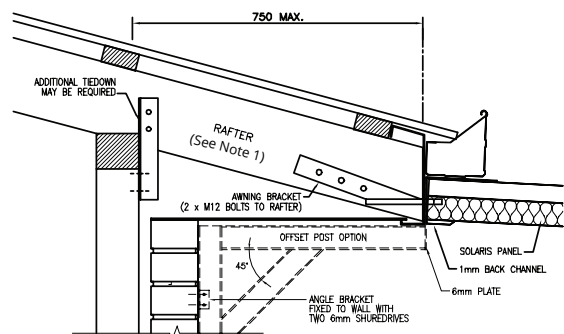
Do not attach to brickwork with less than 1.5m of brickwork above the fixing point unless brickwork is positively tied down with anchor rods. Otherwise a separate tied down structure is required.



FOR TIMBER FASCIAS

Refer to Tradec technical data sheet No.19 January 2002 (pergola and carports) for attaching pergola or carport to house page 6 and 7. Connect receiver channel as per carport/pergola as shown in that publication. Alternatively, connect as for metal fascias (below).

FOR METAL FASCIAS



Rafter connection spacing (mm)	Uplift capacity of back channel to rafter connection (kN)	
	Unstrengthened rafter	Strengthened rafter
600	3	6
900	2	4
1200	1.5	3

Rafter strengthening – fix timber stiffener 90 x 35 F8 x 1500 long to rafter with 75mm long x No. 14 type 17 batten screws at 300 CRS. (Not shown above)

Note 1: Existing structure must be checked by onsite builder/engineer for structural adequacy prior to construction of attached patios.