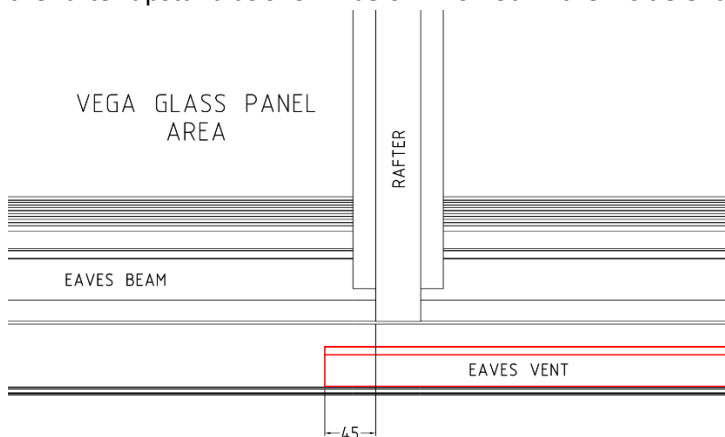


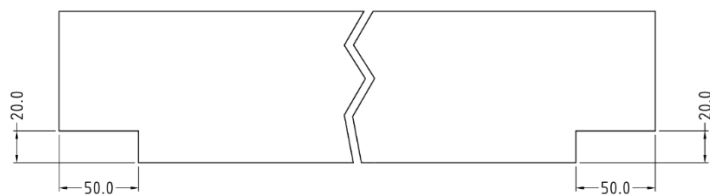
## Equinox Vega Installation Instructions Draft 05/08/2020

1. Ensure no 300mm 19x38mm Battens are installed onto the ridge or wall plate in the Vega panel area.
2. Eaves vents are not installed under the Vega glass panel, start and finish the eaves vent 45mm past the inside of the rafter upstand as shown below. Do not fix the inside ends of the vents as these ends will require notching later.



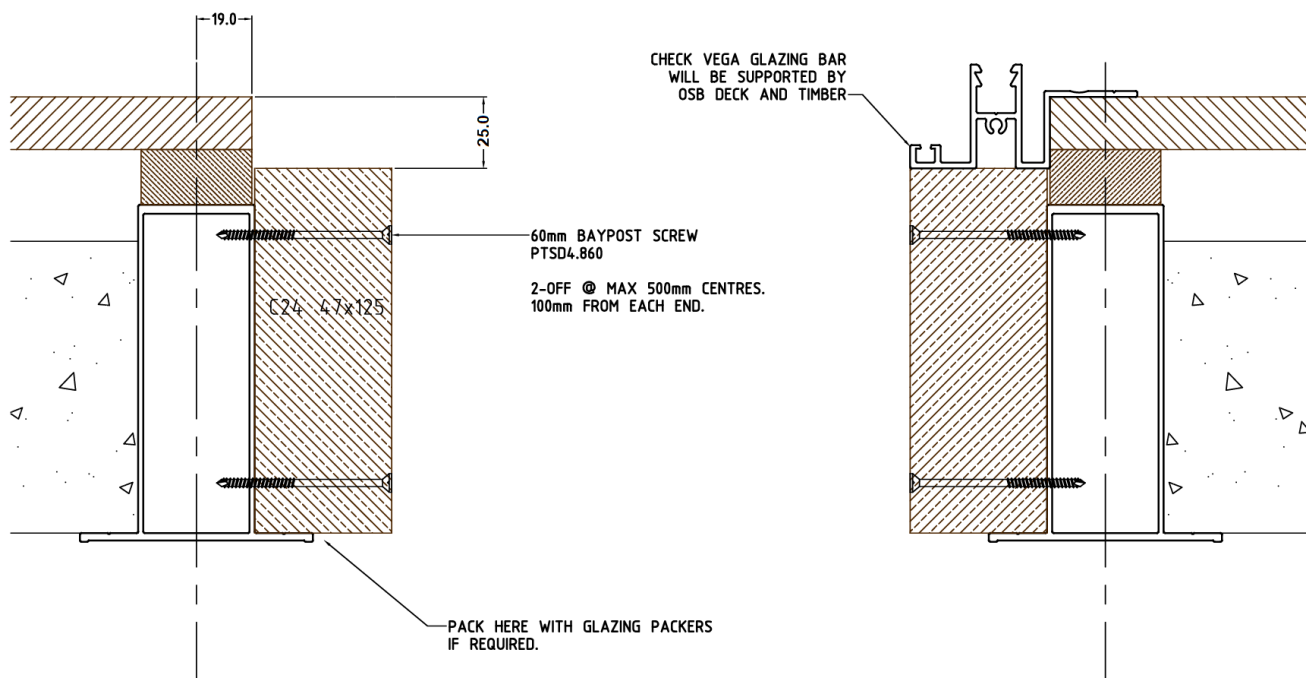
### 2. 47x125 C24 Timber preparation.

If the two 47x125 timbers are not notched at each end, then cut a 50 x 20 cut out on both ends of the timber.



### 3. 47x125 C24 Timber Installation

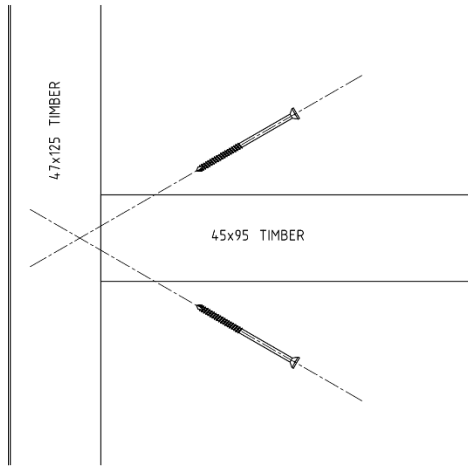
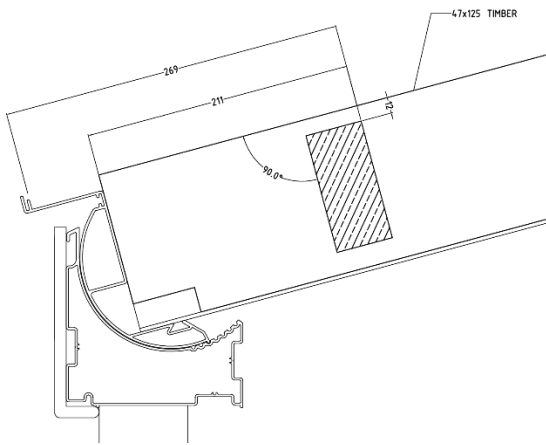
Fix the timber to the side of the Equinox rafter as shown below. Due to variations in finished timber sizes, it may be necessary to pack the underside of the timber until fixed to achieve the correct height setting. Check the Vega glazing bar is supported by the OSB deck and 47x125 Timber, before fully fixing timber to rafters using 60mm baypost screws at 2 x 500 centres as shown below.





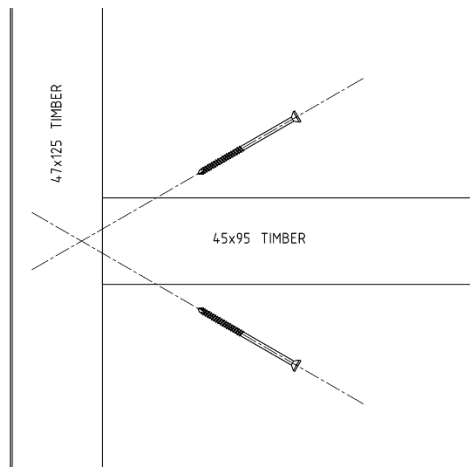
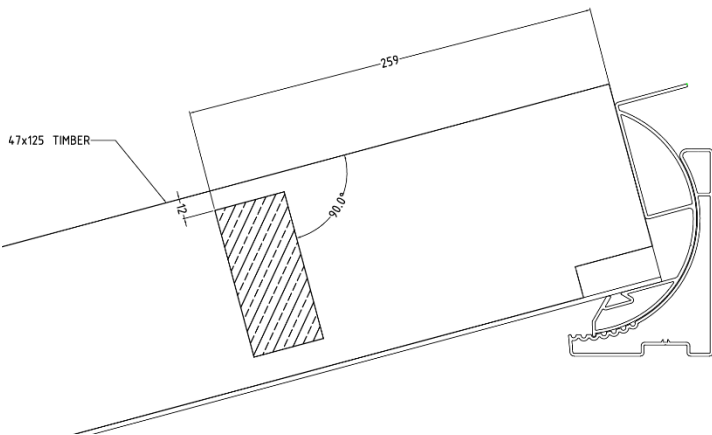
#### 4. Settings the 45x95 C24 Trimmer at Eaves.

At the each end of the trimmer, pilot 4 x 5mm holes set on an angle and set at slight different heights to ensure fixings do not clash. Set the trimmer to the below dimension and fix using 60mm Baypole screws, ensure the screw heads are flush with the timber face.



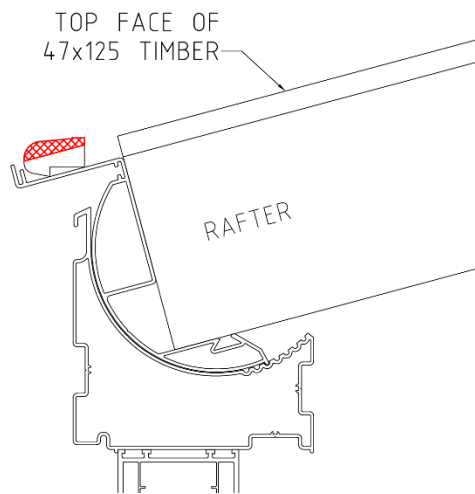
#### 4. Setting the 45x95 C24 Trimmer at Wall Plate / Ridge.

At the each end of the trimmer, pilot 4 x 5mm holes set on an angle and set at slight different heights to ensure fixings do not clash. Set the trimmer to the below dimension and fix using 60mm Baypole screws, ensure the screw heads are flush with the timber face.



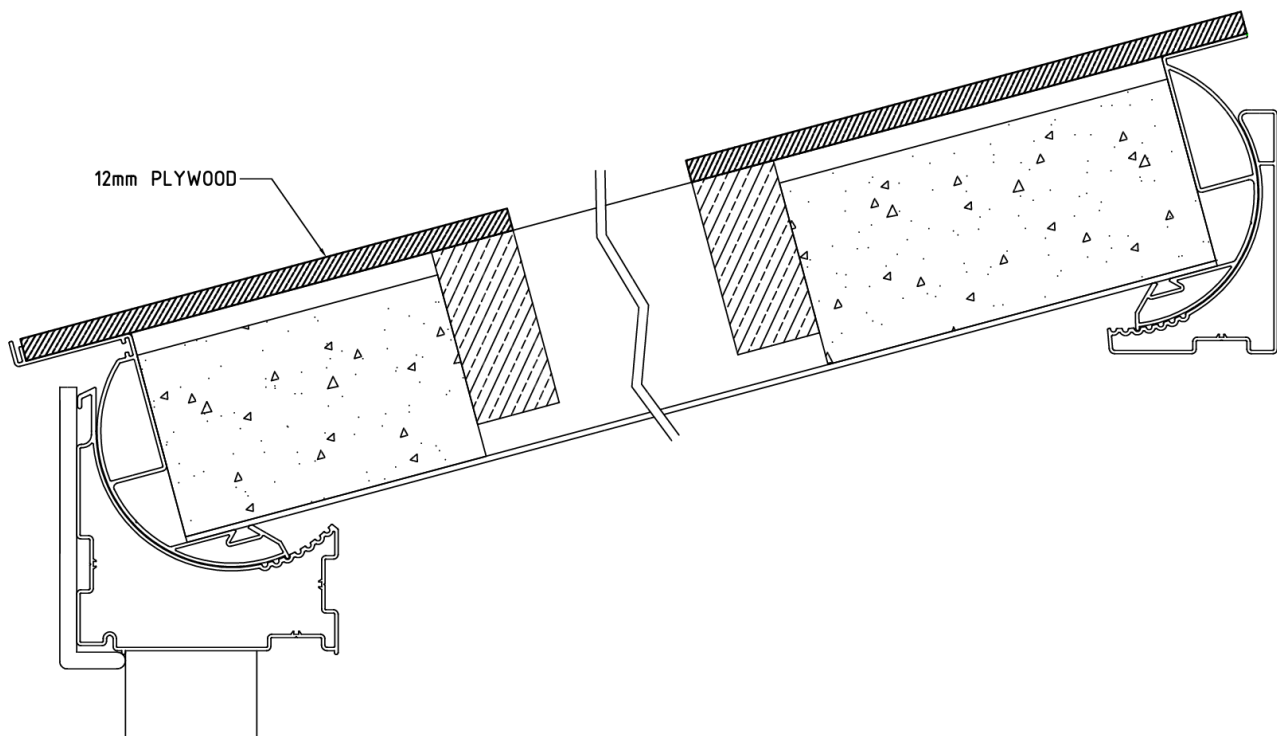
## 5. Notching Eaves Ventilators

Where the eaves vents extend past the OSB roof decking cut the height of the ventilator down so inline with the top face of the 95x125 timber (Shown below as hatched area). This ensures the Vega glazing bar sits down in its correct location.

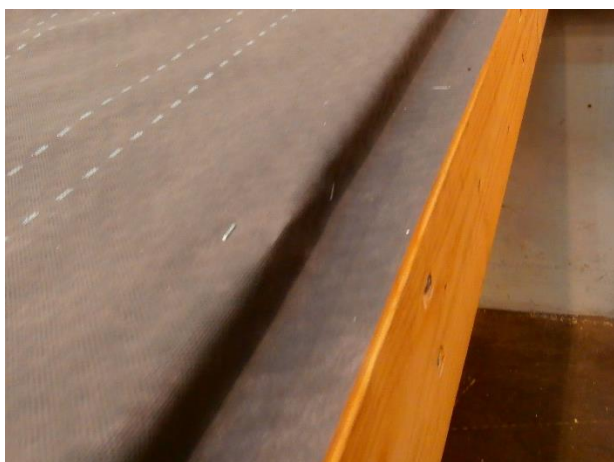


6. Install the Styrene panels above and below the trimmers, ensure they are seated completely down on the rafter legs.

7. Install the 12mm Plywood sheets at the base and top of the Vega glass panel area, fix using 4.2x38LG screws into the eaves beam, ridge or wall plate and trimmers.

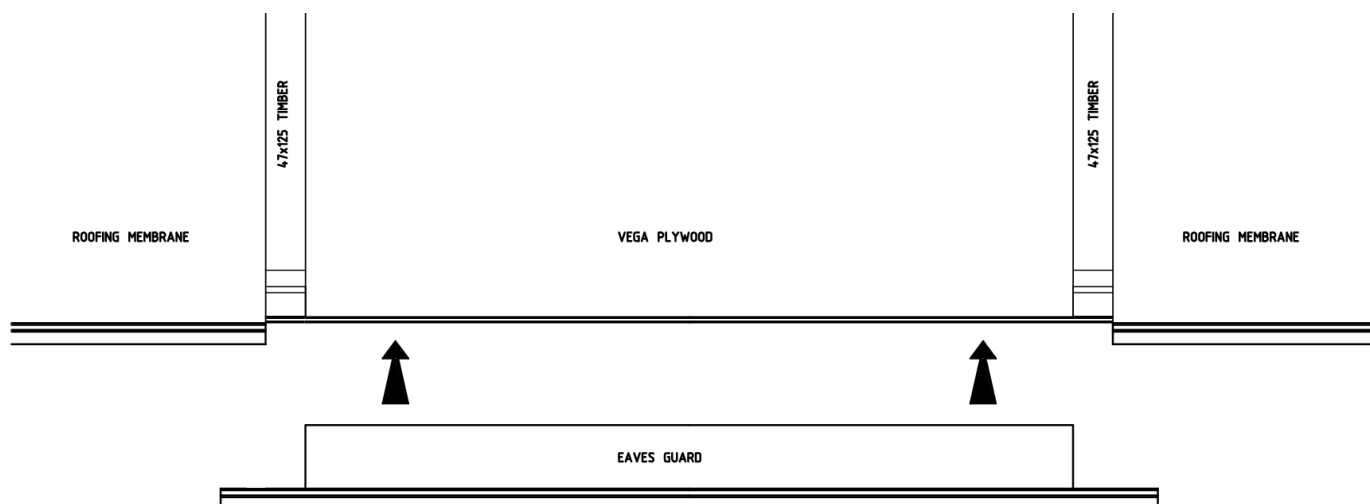


8. Once eaves guards have been installed to around the 18mm OSB decking, install the roof felt overlapping onto the 47x125 timber and 12mm Plywood.



#### 9. Vega Eaves guard preparation

Measure the distance between the eaves guards either side of the Vega glass panel location, cut an eaves guard 200mm larger. Notch the eaves guard both sides where it laps onto the plywood and up to the inside edge of the 47x95 timbers.



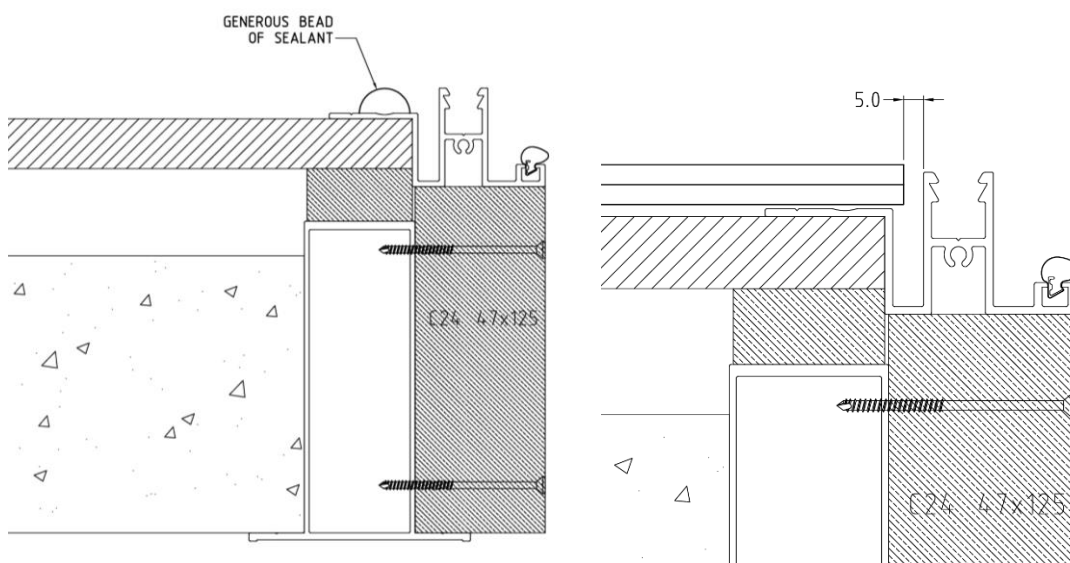
10. Run a continuous bead of sealant all the way down the edge of the roof deck where the Vega glazing panel will overlap. Then position the Vega glazing bar to extend 30mm past the eaves guard, then fix down the central channel into the 95x125mm timber using 4.2x38LG screws at 300mm centres.



11. Insert Qlon gasket into Aluminium seal rails and trim to length, then Install the horizontal seal rails as shown below using 4.2x38LG screws. Ensure the aluminium seal rails are flush with the internal aperture. Insert Qlon gasket into Vega glazing bars and trim to length.



12. Roof tiling can now commence up to the Vega glazing bar, run a generous bead of sealant down the Vega glazing bar before laying each tile. Ensure the tiles are cut to leave a 5-7mm gap.



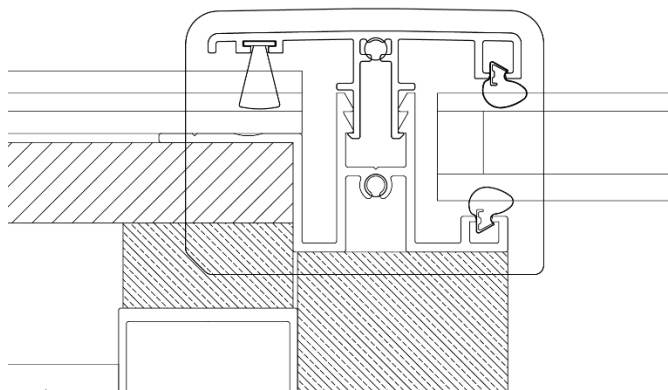
13. Install the Vega Glazing bar end caps using the lower screw, ensure screw cap cover base is installed onto the screw first. The end cap is handed, ensure the chamfered corner is located at the base and facing away from the Vega Panel.

14. If the glass panel has not had the glazing film applied, then follow the film manufactures application instructions. Check the film height at top and bottom will reach the centre of the inner Qlon gaskets before applying. The Glass film is applied to the inside face of the glazed unit.

15. Install the glazing closure onto the end of the glazed unit, ensuring it is sealed on with SMX506 and then install the glazed unit into the roof slope.



16. Install the Qlon Gasket and Wool pile into the Vega Top Cap, ensure the top cap is orientated with the Qlon over the glass, then using a mallet and block of timber strike the top cap until located into the bottom barb of the Vega glazing bar. Check the compression of the Qlon is consistent along the entire length.



17. Fully fix the end caps and install the screw caps covers.

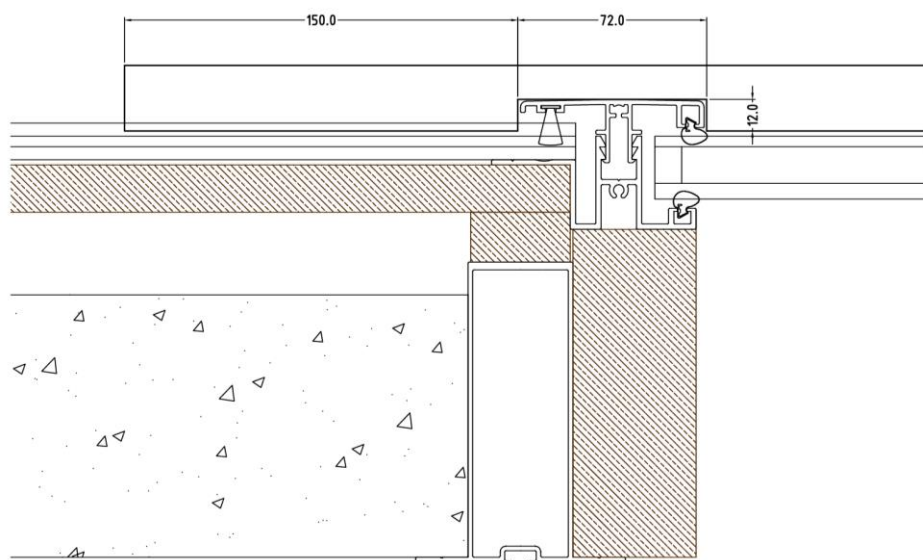
18. 20mm from the top of the Vega glazing bar pilot drill through the top cap centre down through the glazing bar and the fix using 60mm baypole screw.

### **Method of construction now depends of Tile Type.**

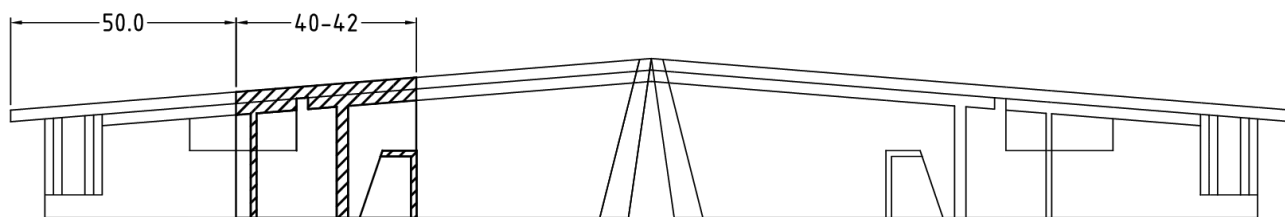
#### **Tapco Composite Slates Ridges**

1. You can now start installing the Tapco Hip Master as shown in the main Equinox installation guide until you proceed to any ridge masters directly at the side or over the Vega panel.

2. Cut a 25x38mm Treated batten 300mm longer than the outside of the Vega top cap to Vega top cap width and notch around Vega glazing bar top caps until 12mm deep.



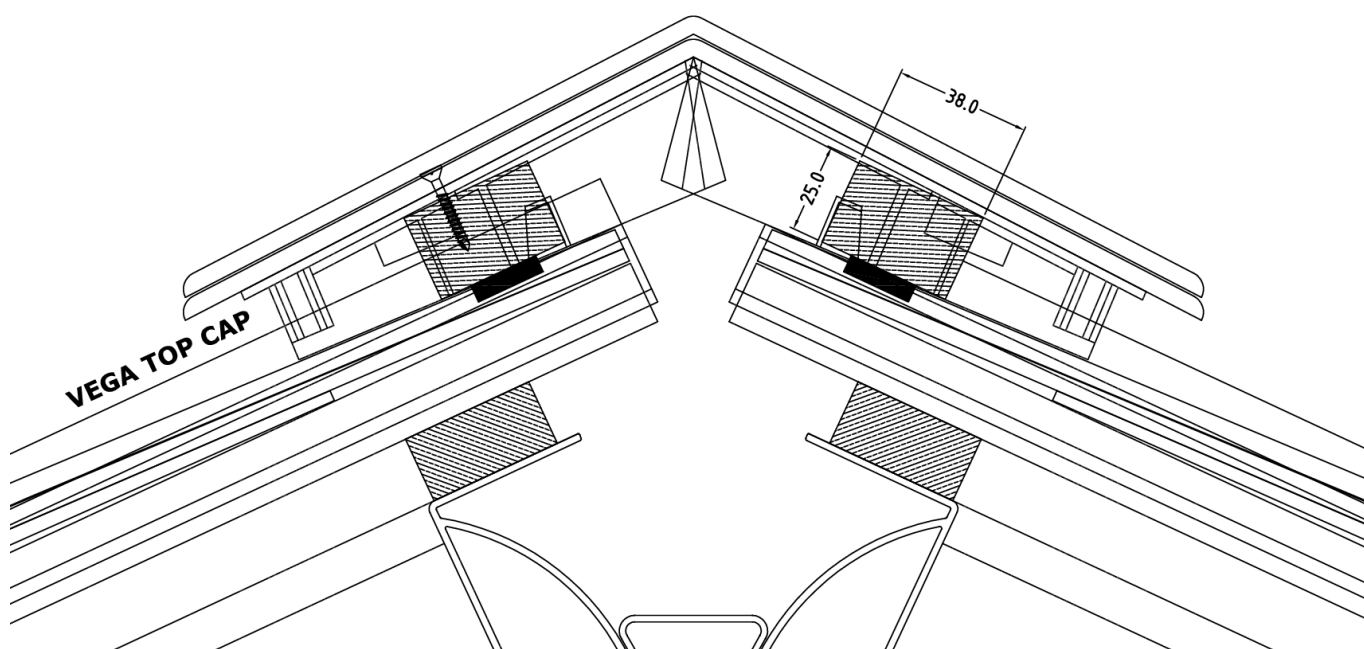
3. Cut a 40 to 42mm slot through any area of hip master(s) that is to be installed over the 25x38mm Timber. Repeat on opposing side if Vega glass panel is both sides of ridge.



4. Stick expanding foam tape to the base of the 25x38mm timber across the centre where the timber will span the glass and position along with the prepped hip masters. Screw the timber down to the roof deck at both ends using 2 x 60mm baypole screws. **(Do not use baypole fixing directly above the glass)**

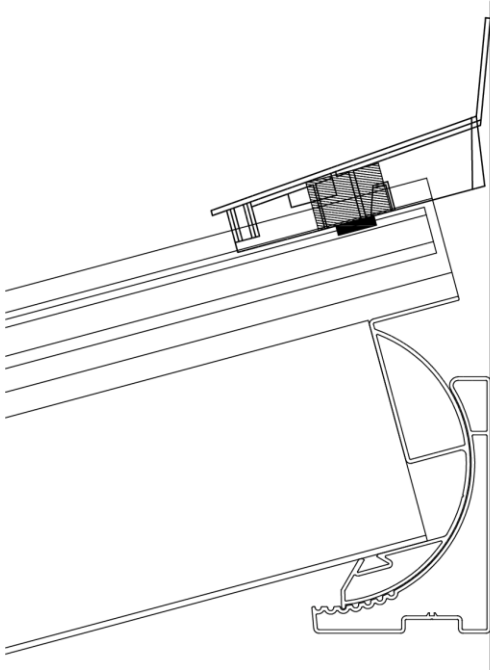
5. Cover the top of any cut out with the silver backed sealing tape.

6. Install the tapco ridge slates using 4.2x25LG screws ensuring the fixings pick up on the batten.



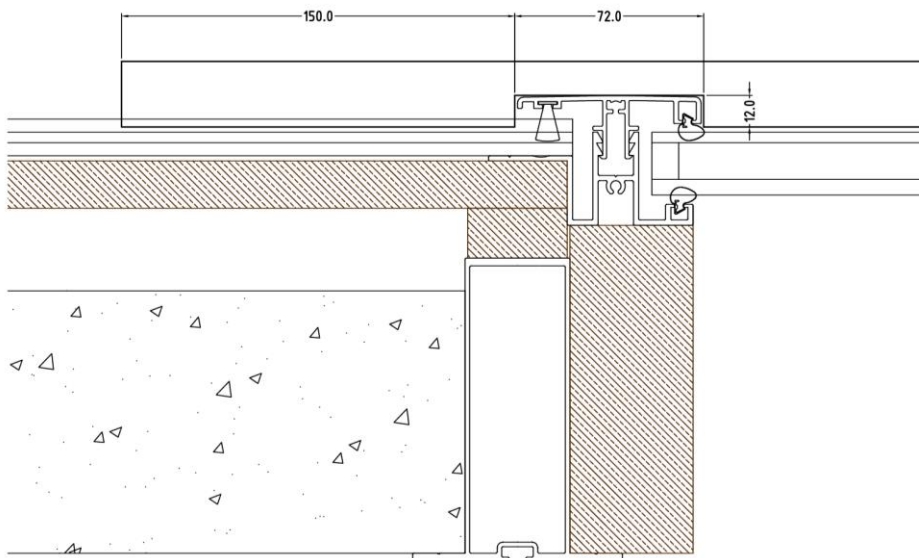
### Tapco and Slateskin lean to wall plate

1. Wall plate follow the same principle as the Tapco ridges however one side of the hip master is trimmed off and folded up the host wall 50mm.
2. Flashing is dressed down the hip master and slightly folded over the front edge.



### Slateskin Tile System

1. Cut a 25x38mm Treated batten 300mm longer than the outside of the Vega top cap to Vega top cap width and notch around Vega glazing bar top caps until 12mm deep.



2. Screw ventilator strips to the batten using 4.2x16LG screw to the 25x38mm batten. Apply expanding foam tape to the underneath of the batten where it spans across the glass and then position so the outside edges of the ventilation strips will suit the inner width of the Slateskin ridge. . Screw the timber down to the roof deck at both ends using 2 x 60mm baypole screws. **(Do not use baypole fixing directly above the glass)**



3. The ridge top cap can now be installed as described in the main Equinox installation guide.

