

# Liniar Roof Installation Guide (Bespoke)



# 1.00 - Introduction

This installation guide has been created to assist in constructing a Liniar conservatory roof from a kit format.

Please note, each roof has been individually designed to meet specific criteria and to suit the shape and dimensions specified. There may be variants in assembly depending on the roof criteria, but the manual should cover all eventualities.

The roof will be provided with a roof layout plan. Ensure that all dimensions and details are correct to the survey supplied before the installation can proceed. Also check that all packages and boxes are present. These will be labelled in accordance to paperwork provided upon delivery.

TO ENSURE THE CORRECT FUNCTIONING OF LINIAR ROOFS, IT IS IMPERATIVE THAT THE INSTRUCTIONS IN THIS GUIDE ARE FOLLOWED, IN THE CORRECT ORDER.

## Care of Products

When storing, handling or erecting your Liniar roof, please keep the following in mind :

- When unwrapping, take care not to damage products with a knife.
- Always check the components before installing.
- PVCu components should not be left out in freezing conditions.
- Do not leave coloured foiled components in their wrapping in direct heat or sunlight.
- Store polycarbonate roof panels in a dry safe area.
- Take care when fitting caps/trims with any type of force.

## Sealing

It is imperative that the correct sealant is used when sealing the roof. The diagrams below show the sealants required dependent upon the glazing material.



- Self cleaning glass



- Polycarbonate glazing
- Standard sealed units

For a perfect colour match, use the Liniar Approved range. See [www.liniar.co.uk/supplies](http://www.liniar.co.uk/supplies) for details.

## Further Assistance

Your roof kit should include all the information you need – but if you do need to get in touch with any queries, please use the contact details on the back cover.

## Videos

To watch videos about the Liniar roof, please visit [www.liniar.co.uk/videos](http://www.liniar.co.uk/videos) and filter by 'Conservatories'.

*\*This guide should be used in conjunction with either:  
Liniar Roof Installation Guide (Duo-Pitch) – TMBR00023 or  
Liniar Roof Installation Guide (Mono-Pitch) – TMBR00024\**

# 1.01 - Tools Required



## Tools & Consumables Required



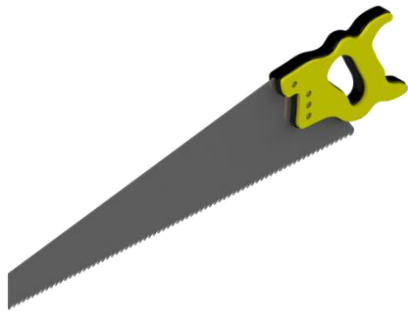
**Angle Grinder**  
Chasing out masonry for flashing



**Cordless Drill**  
With Pozi bits and suitable drills for pilot holes in PVCu and aluminium



**SDS / Hammer Drill**  
With appropriately sized masonry bits for proprietary fixings. (min 400mm required for Raised Back Box Gutters)



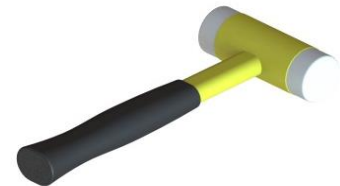
**Hand Saw**  
Notching frames



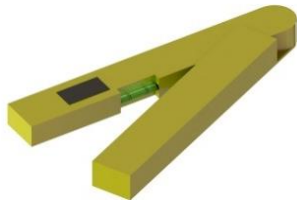
**Utility Knife**  
General use



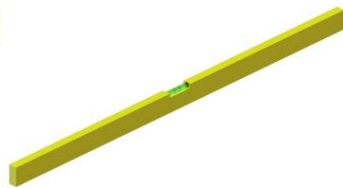
**Clamps**  
Securing eaves beams in place when drilling and fixing



**Glazing Hammer**  
Fitting trims and caps



**Angle Finder**  
General measuring and checking of angles/pitches



**Spirit Level**  
General level checking



**Tape Measure**  
General measuring and checking



**10mm and 17mm Spanners**  
Securing jack rafters (10mm) and fitting internal radius covers (17mm)



**10mm Socket Wrench**  
Securing all roof bars



**60mm diameter drill bit / hole saw**  
Multi-Positional outlet in guttering



**2.5mm Allen Key**  
Tightening the grub screws in the D-Ring connectors



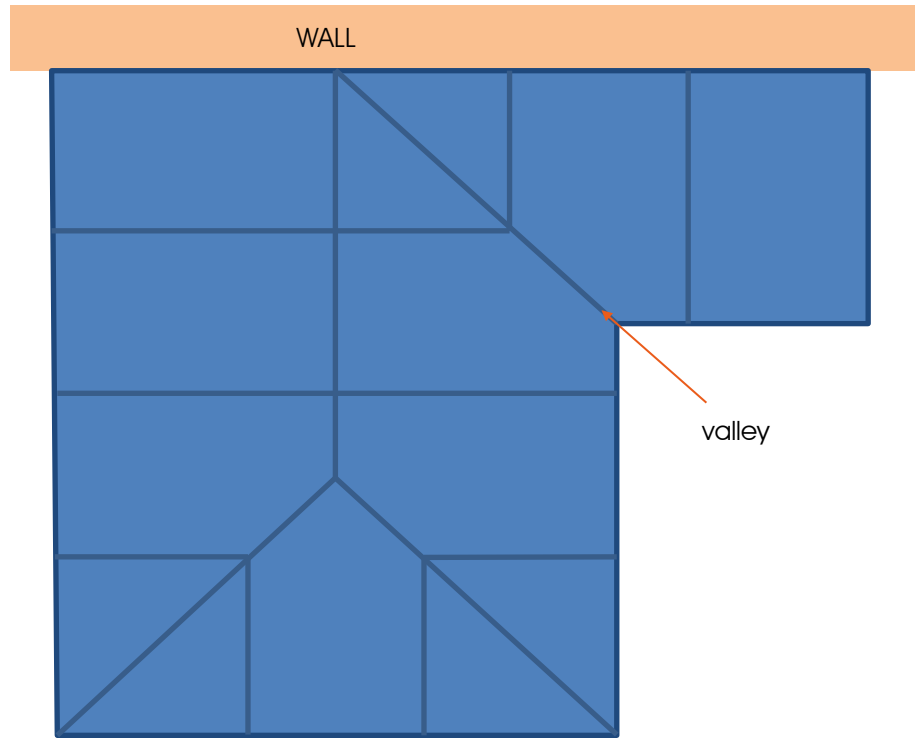
**Low modulus neutral cure sealant**  
With silicone gun



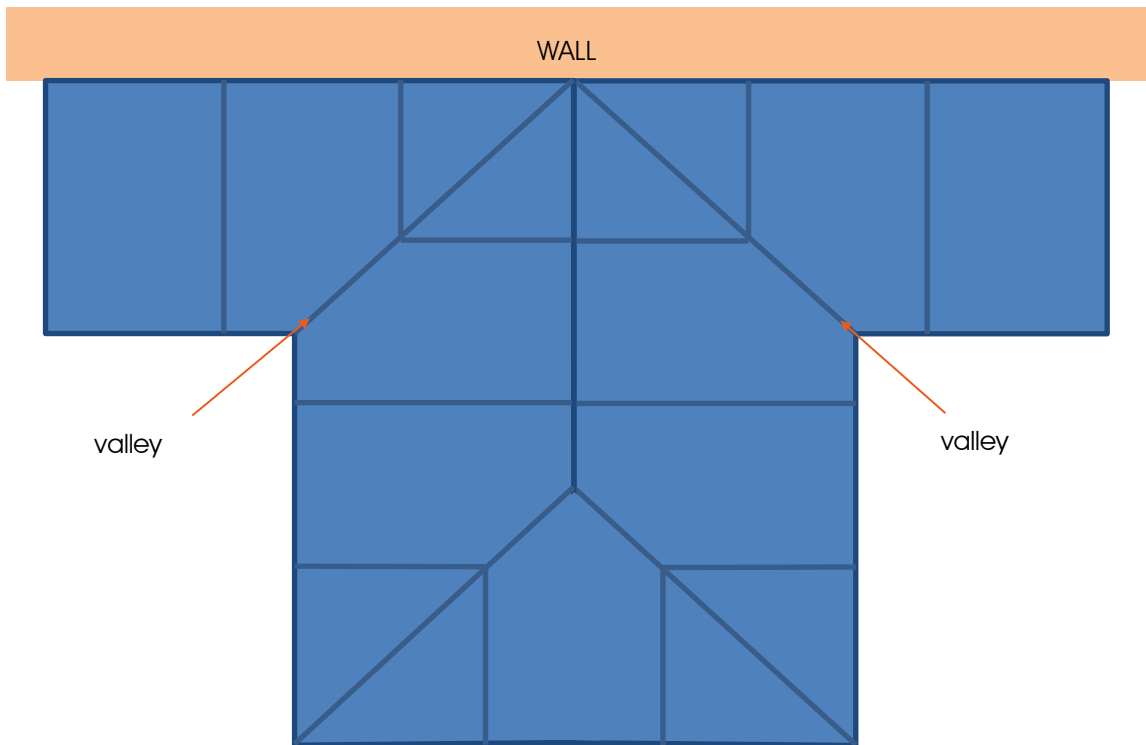
**Suitable uPVC Adhesive**  
Securing trims and mouldings in place

## 2.00 – Valley Assembly Overview

Examples of roofs with valley assemblies



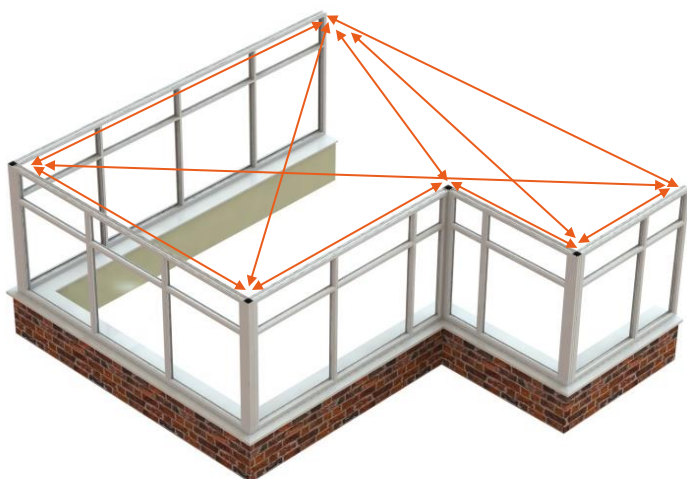
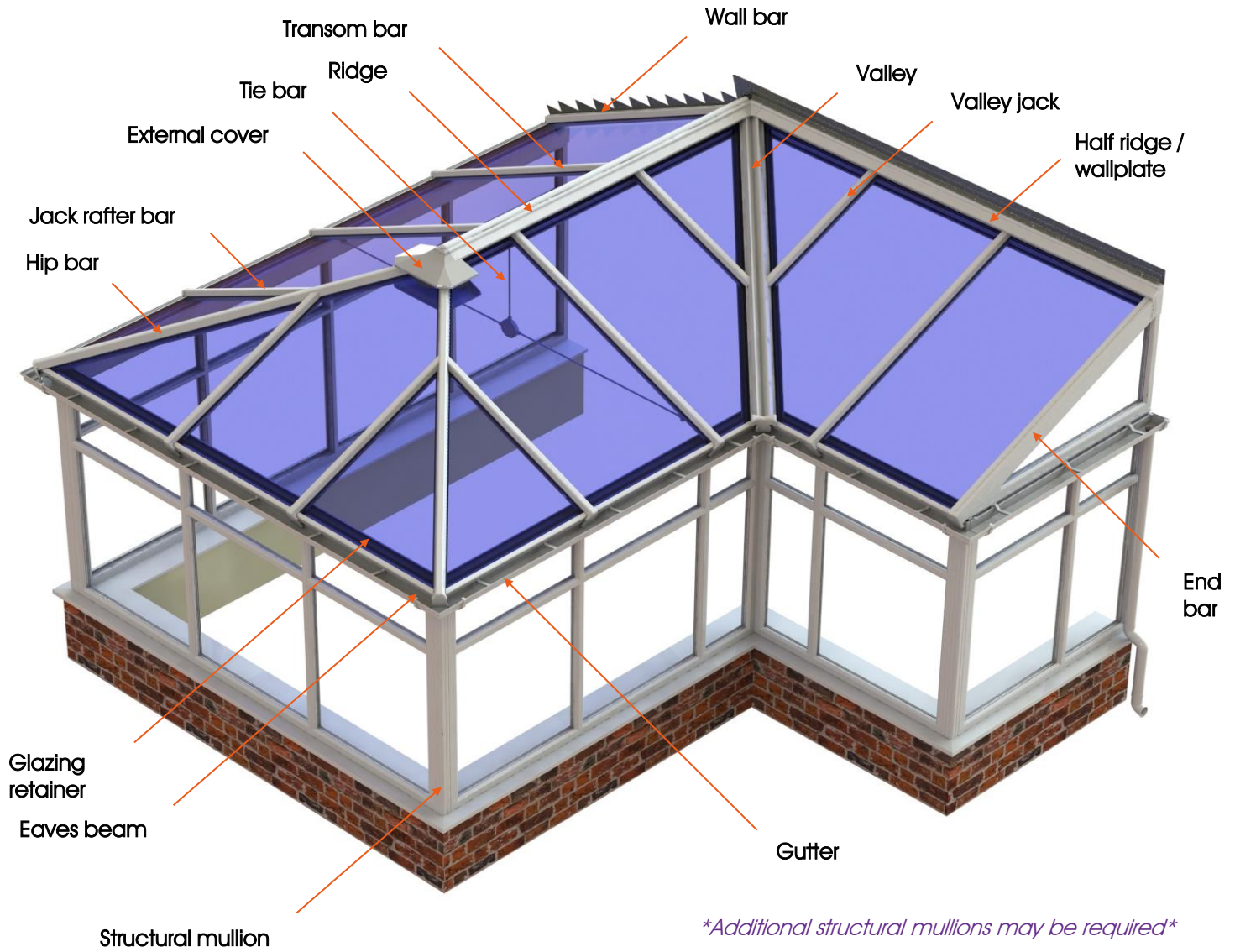
P-Shape Roof Assembly – 1 valley



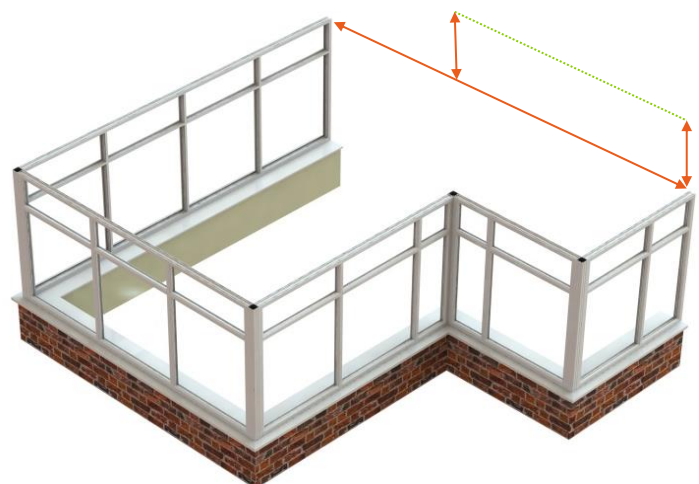
T-Shape Roof Assembly – 2 valleys



This section shows the assembly steps for a P-Shape roof and makes reference to the Liniar Roof Installation Guide (Duo-Pitch) and the Liniar Roof Installation Guide (Mono-Pitch) .



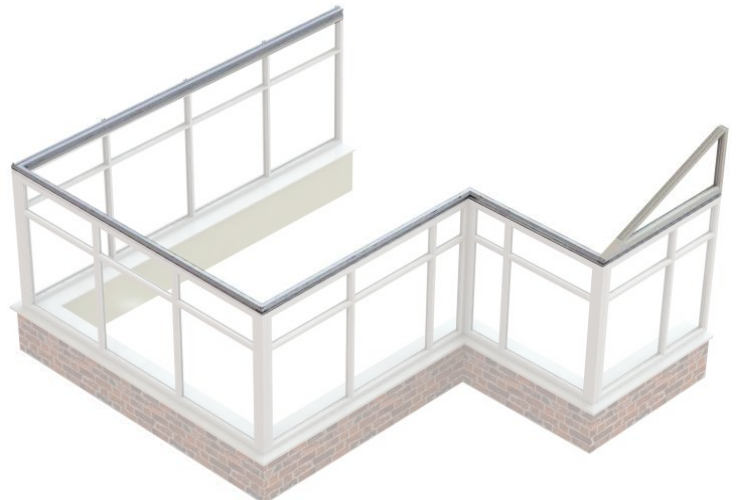
**3.00 – Preparation**  
Mono-Pitch Guide: Section 3.00, pages 6-7



**3.01 – Scribing Half Ridge / Wallplate Position**  
Mono-Pitch Guide: Section 3.01, pages 8-9

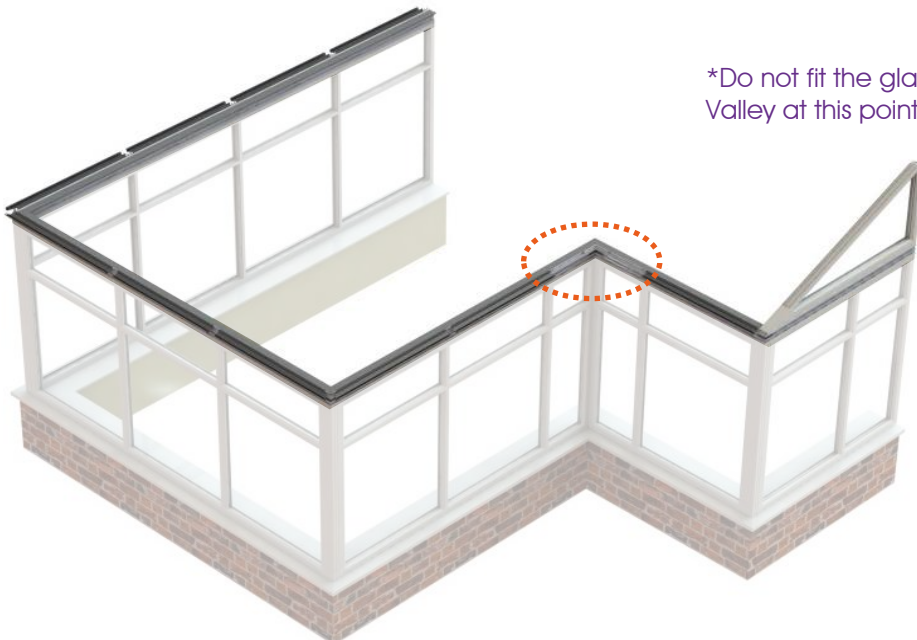


**3.02 – Eaves Beam Assembly**  
Mono-Pitch Guide: Section 3.02, pages 10-11



**3.03 – Raked Frame Notching and Assembly**  
Mono-Pitch Guide: Section 3.03, pages 12-13  
Mono-Pitch Guide: Section 3.04, pages 14-15

**3.04 – Glazing Retainer Assembly**  
Duo-Pitch Guide: Section 3.02, pages 8-9

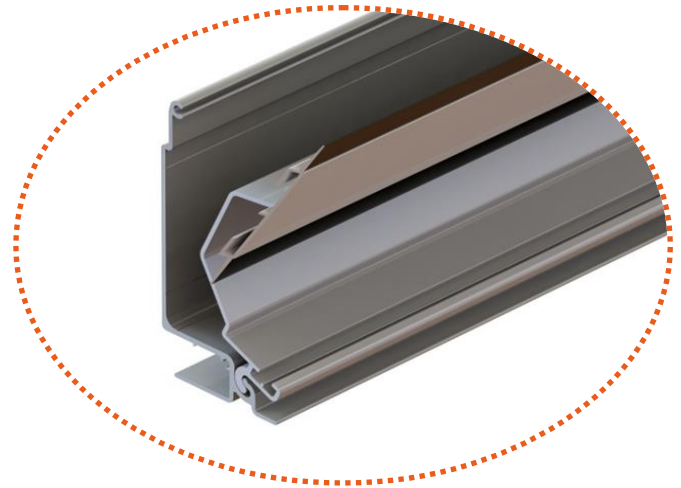
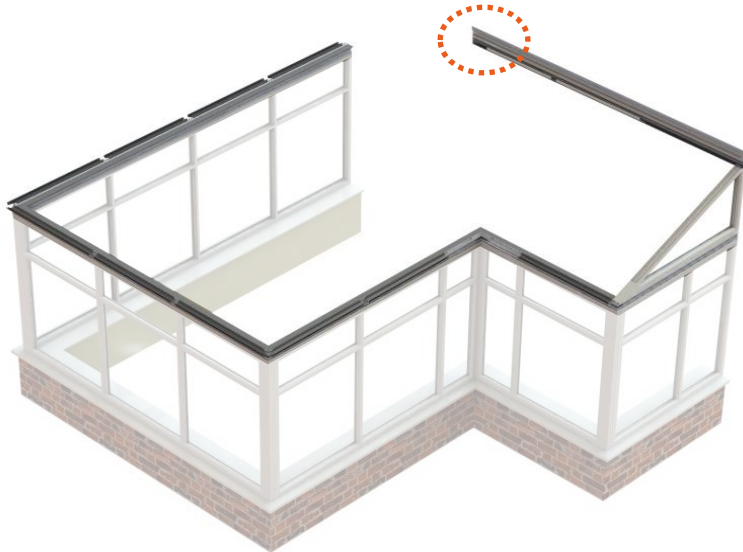


\*Do not fit the glazing retainers either side of the Valley at this point.\*

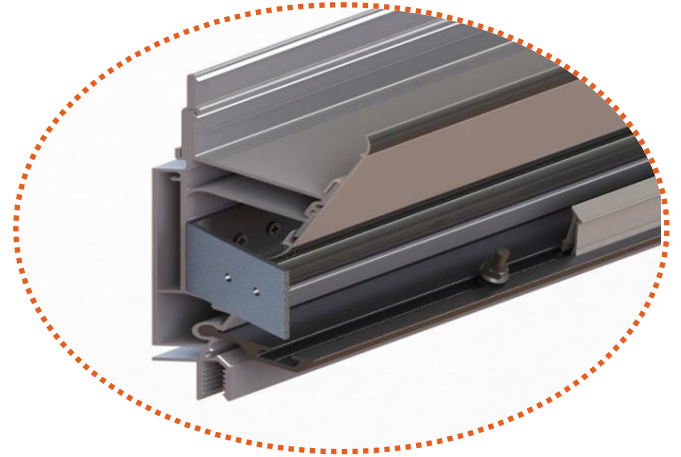


## 3.05 – Wallplate / Half Ridge Assembly

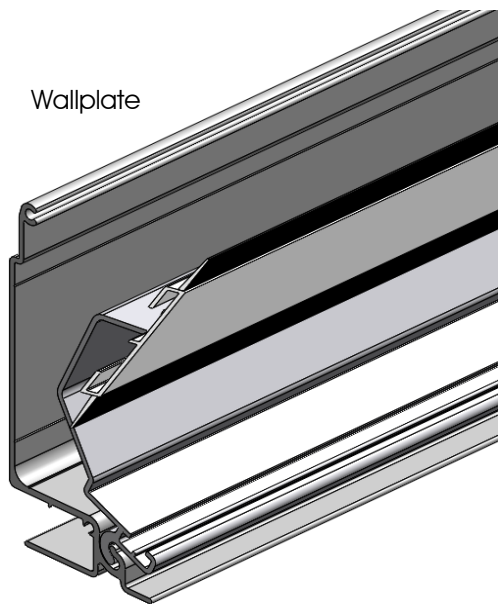
For Wallplate / Half Ridge Assembly  
Mono-Pitch Guide: Section 3.06, pages 18-19  
/ section 3.07, pages 20-21



Wallplate



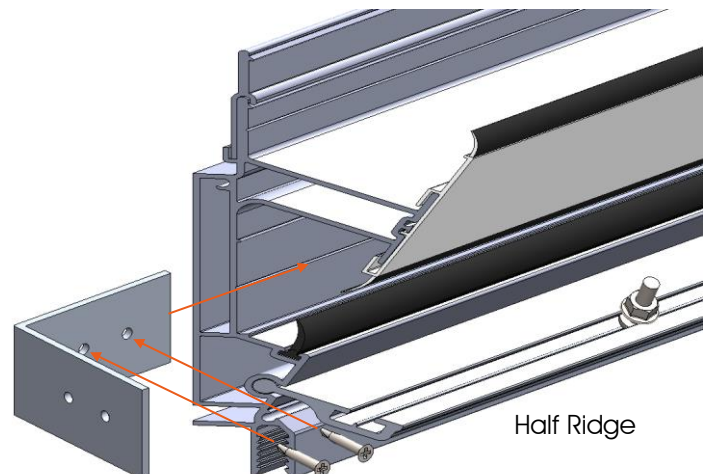
Half Ridge



Wallplate

For P-shaped roofs with pitches  $< 15^\circ$  a Wall plate is used.

For P-shaped roofs with pitches  $15^\circ - 35^\circ$  a Half Ridge is used. This is mitred into the Ridge assembly and secured with  $90^\circ$  vertical cleats (LZSU8261). Fix the cleat to the half ridge before securing to the wall, aligning with the inside edge of the mitre cut.



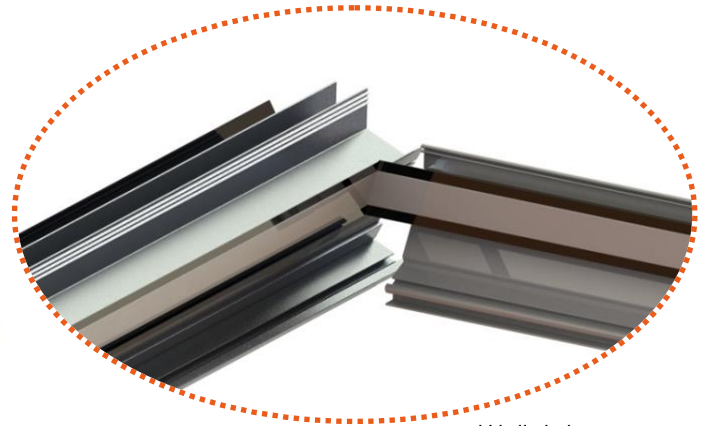
Half Ridge

# 3.06 – 3.08

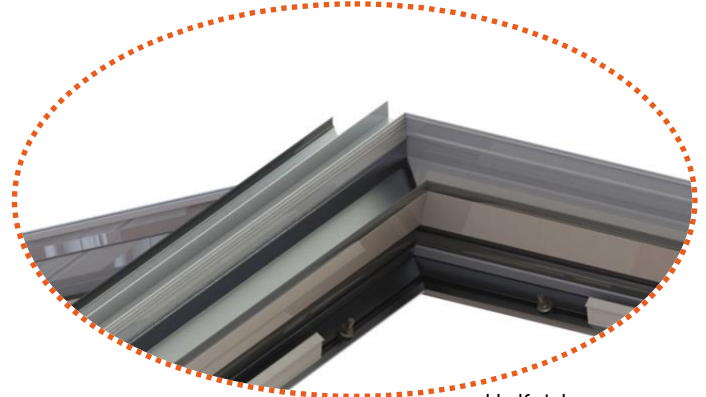
## 3.06 – Ridge & Wall / End Bar Assembly Duo-Pitch Guide: Section 3.03, pages 12-13



*\* Ensure the ridge is sufficiently supported at this point until the rest of the roof bars are fitted \**



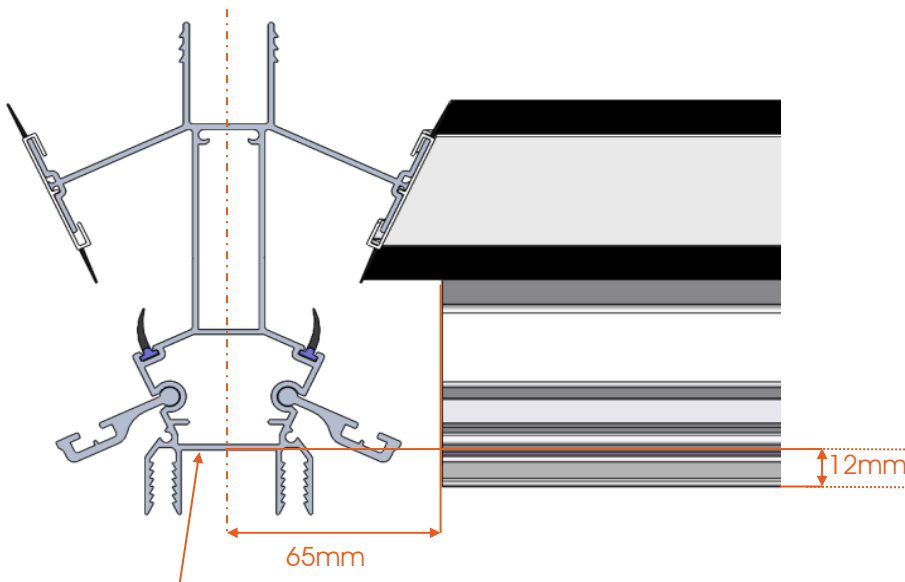
Wallplate



Half ridge

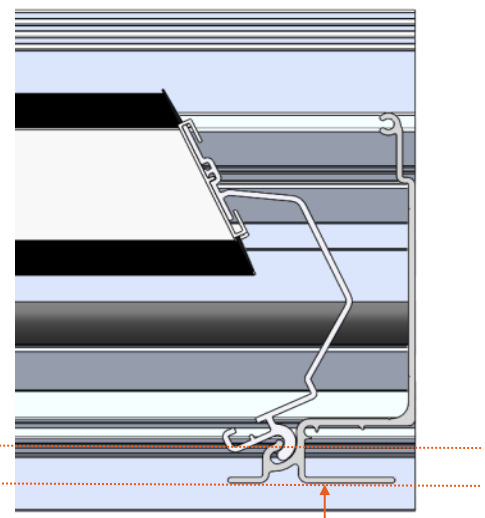
### Wallplate

Front View

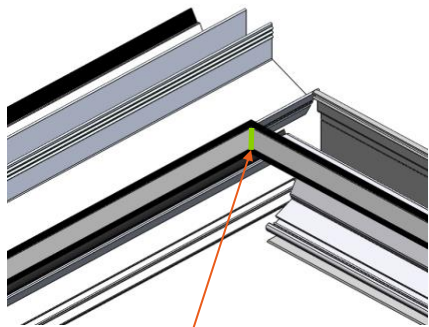


Ridge datum face

Side View

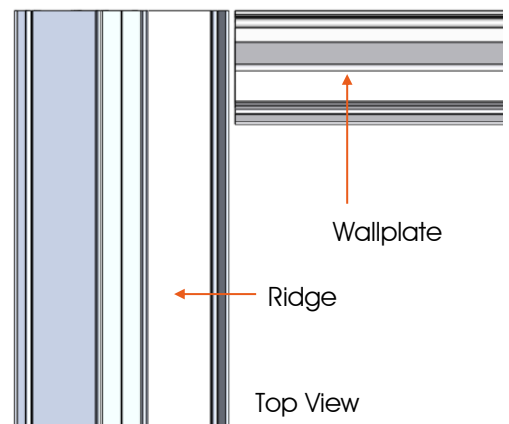


Wallplate datum face



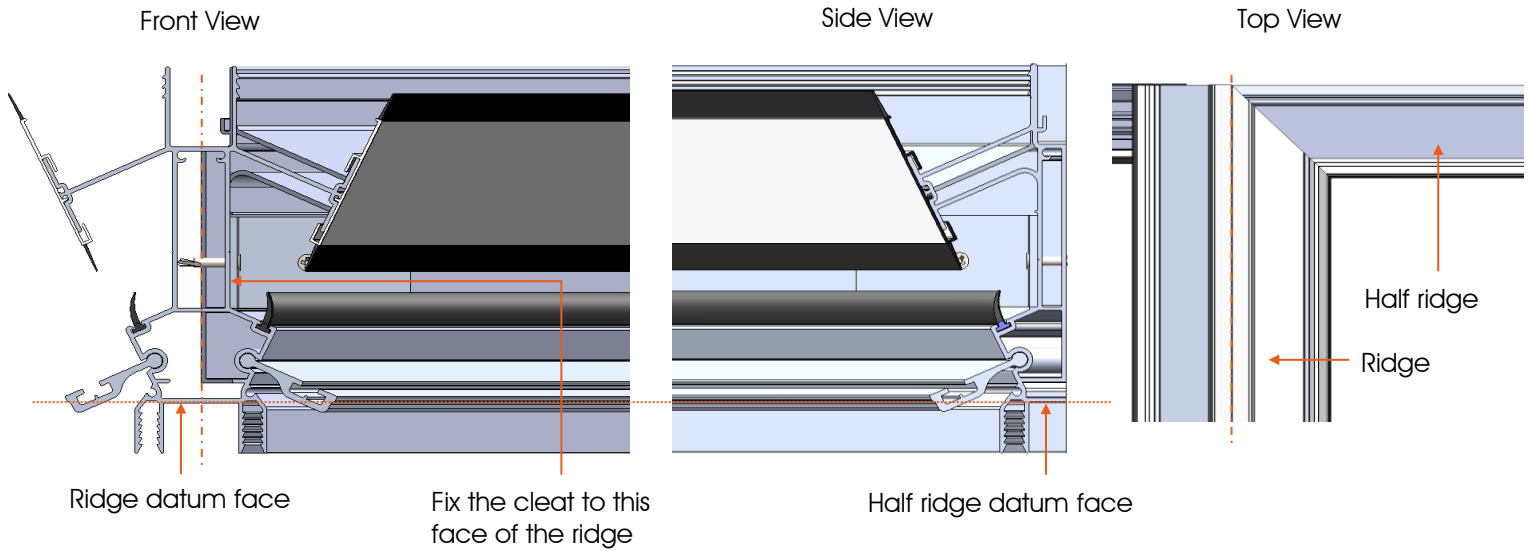
Scribed fascia trims, bonded along these edges

Where a wallplate is fitted the ridge should be positioned against the wall with the datum face 12mm higher than the datum face of the wallplate and the centre should be 65mm from the end of the wallplate. The fascia trims of the ridge and wallplate are scribed and bonded together, with an appropriate adhesive, to form a weatherproof seal.

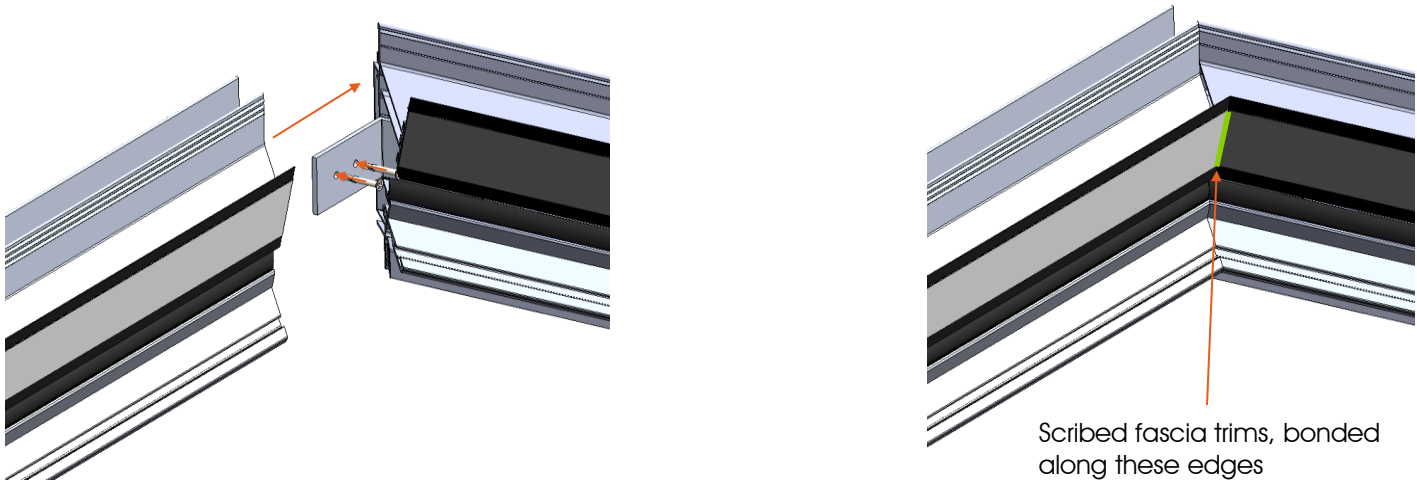


Top View

## Half Ridge



The half ridge and ridge are mitre cut and have the same datum face which should be aligned. The ridge is then secured to the half ridge with the 90° cleat. The fascia trims of the ridge and half ridge are scribed and bonded together, with an appropriate adhesive, to form a weatherproof seal.



### 3.07 – Transom Bar Assembly

Mono-Pitch Guide: Section 3.09, pages 24-25  
Duo-Pitch Guide: Section 3.04, pages 14-15

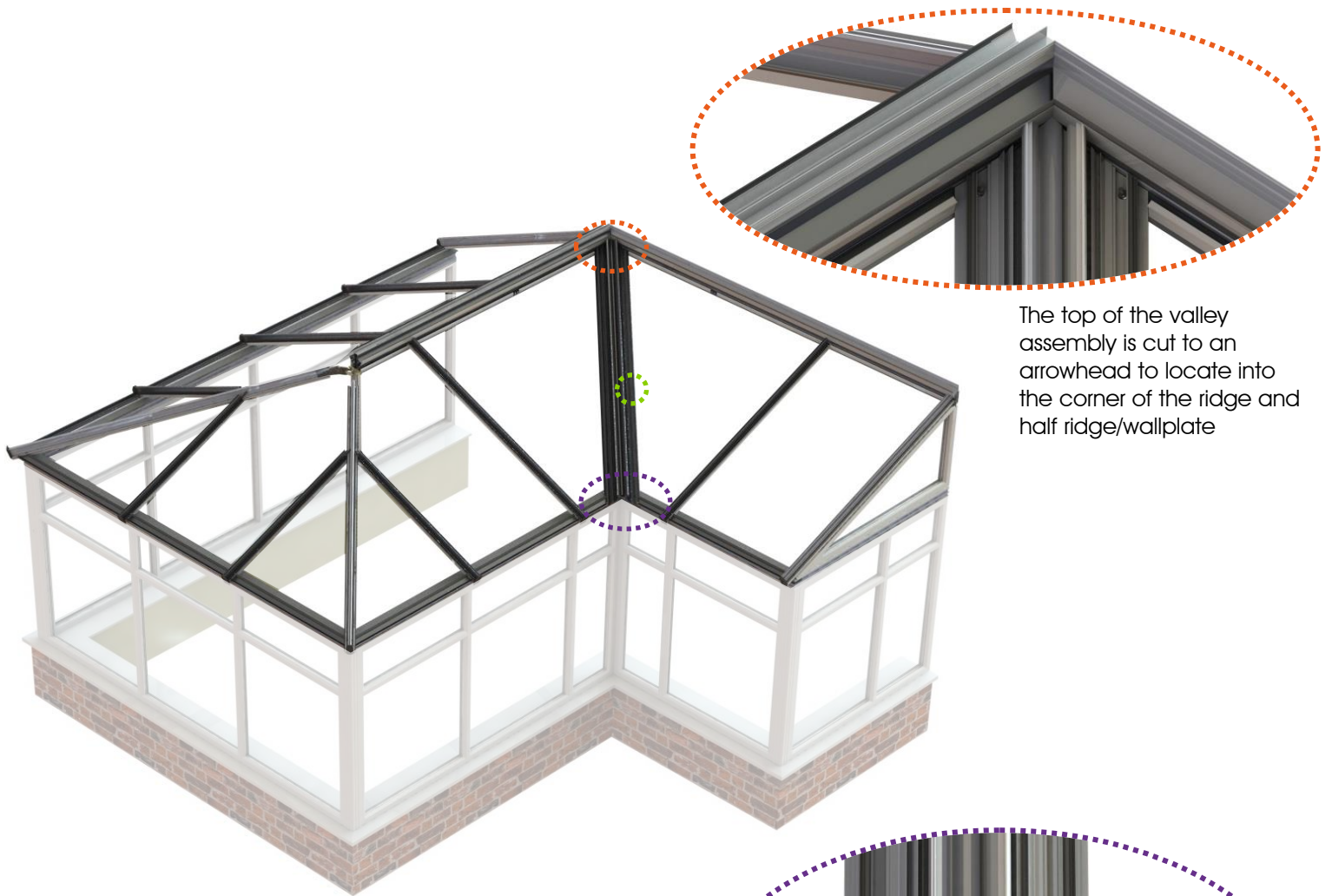


### 3.08 – Hip Bar & Jack Rafter Assembly

Duo-Pitch Guide: Section 3.05, pages 16-17  
Duo-Pitch Guide: Section 3.06, pages 18-19



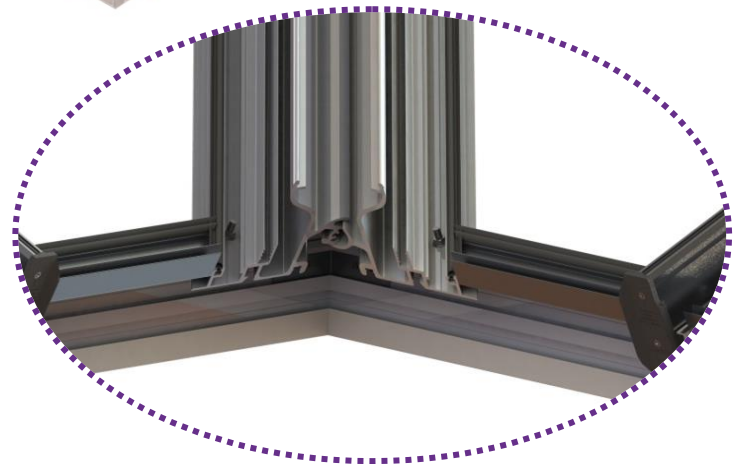
## 3.09 – Valley Assembly



The top of the valley assembly is cut to an arrowhead to locate into the corner of the ridge and half ridge/wallplate

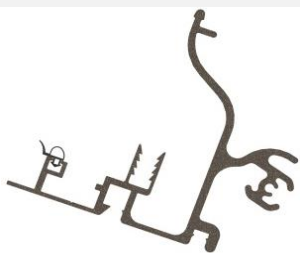


Valley jack fixings will be fitted in the correct position in the valley wings, where required

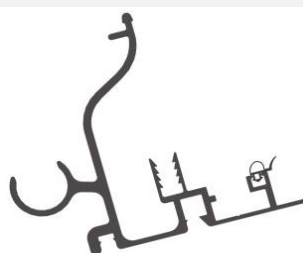


Once the valley has been fitted and fixed in position the glazing retainers either side of it can be fitted. These will be mitre cut to line in with the bottom edge of the valley wings.

### Related Components ...



Valley Wing (Male) Assembly



Valley Wing (Female) Assembly



LZSU0092



Glazing Retainer Assembly

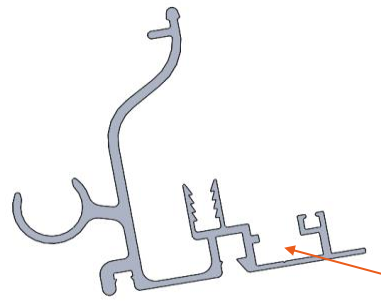
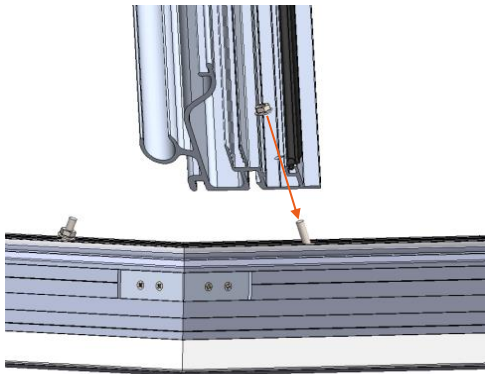


LZFX0001



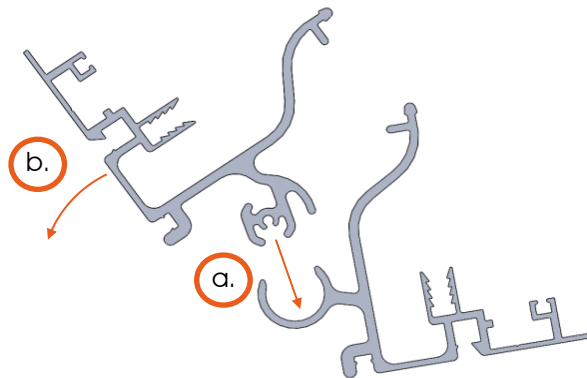
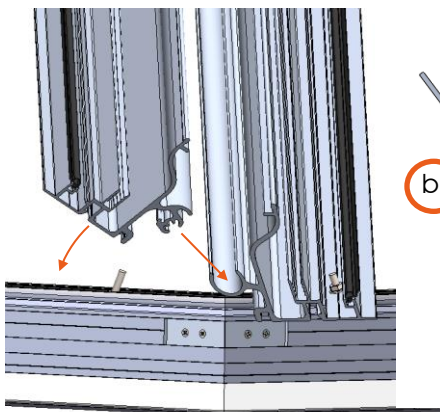
LZFX0018





1. Fix the female valley wing in position using the M6 flange nuts and M6 screws in the eaves pivot (at the bottom) and the ridge/wall plate wing (at the top).

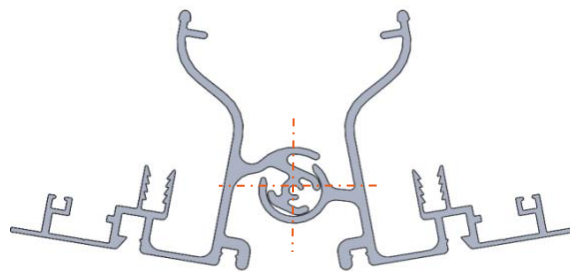
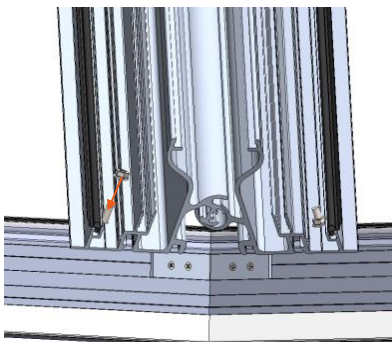
\* Ensure all jack fixings (LZSU0092) are inserted into this channel of both valley wings before installation.\*



2. This is a 2 stage process:

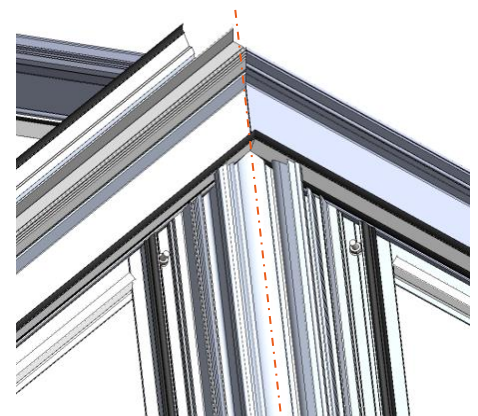
a. Locate the male valley wing into the female valley wing as shown in the diagram (right).

b. Rotate the male valley wing until it rests on the eaves pivot and ridge/wallplate wing. Ensure the M6 screws are located in the holes in the male valley wing as you do this.

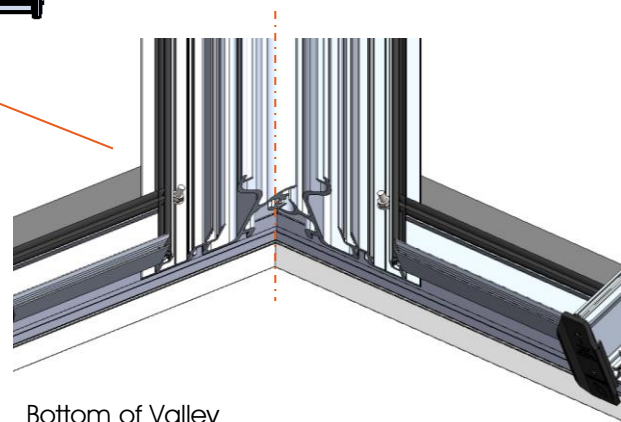
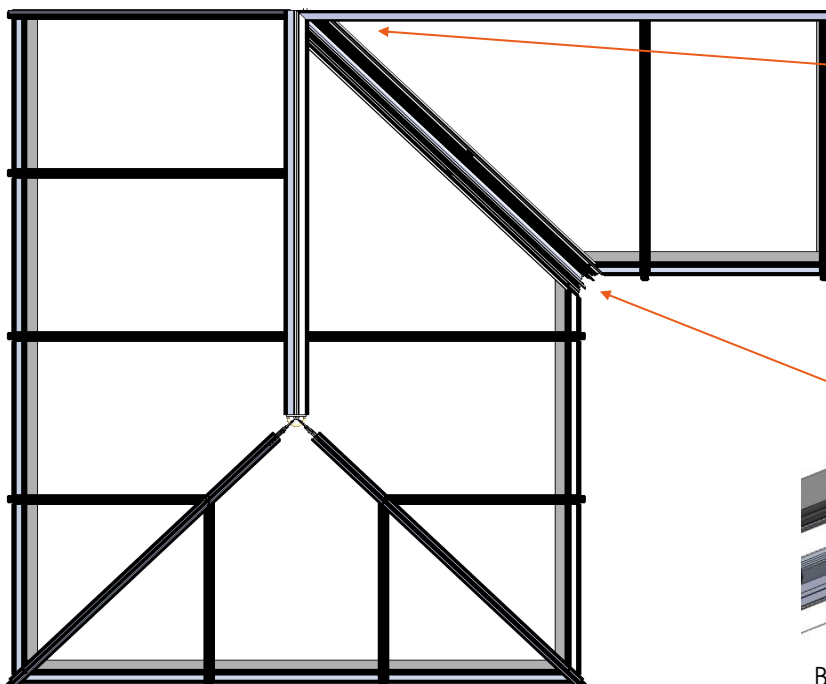


3. Fix the male valley wing in place top and bottom with M6 flange nuts.

\* The centre of the valley pivot should line in with the corner of the eaves beams and to the centre line of the ridge where it meets the wall. \*



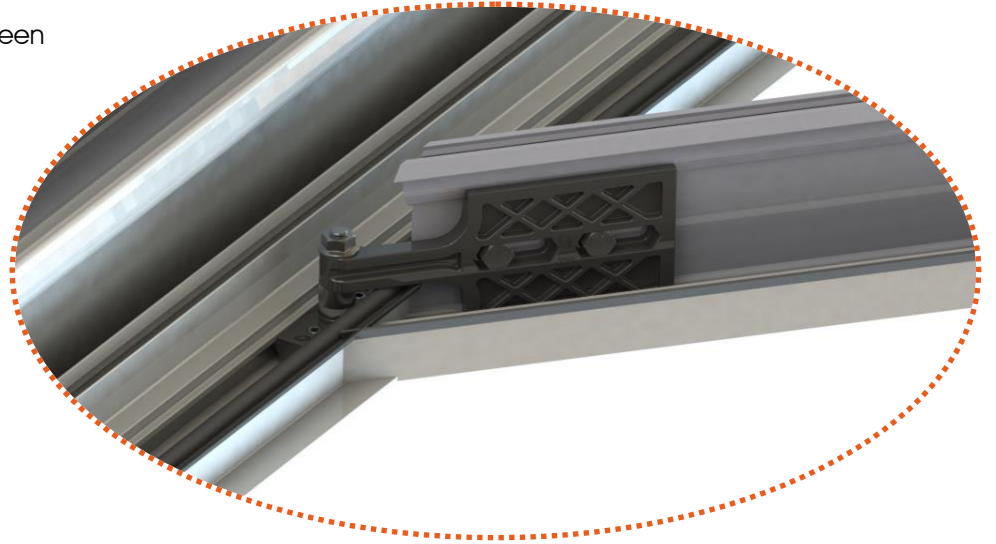
Top of Valley



Bottom of Valley

## 3.10 – Valley Jack Assembly

Valley jacks are rafter bars which span between the valley and the ridge.



The valley jack rafter bar is secured to the valley using the jack rafter fixing and arm.



### Related Components ...



Valley Jack Rafter Bar



M6 Seat Washer



M6 Washers



LZFX0018



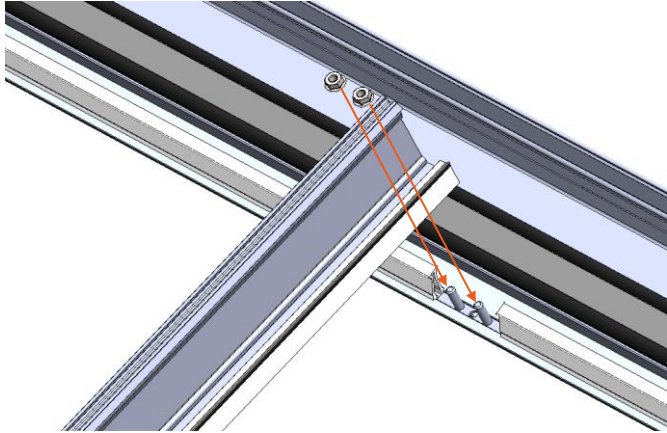
LZSU0092



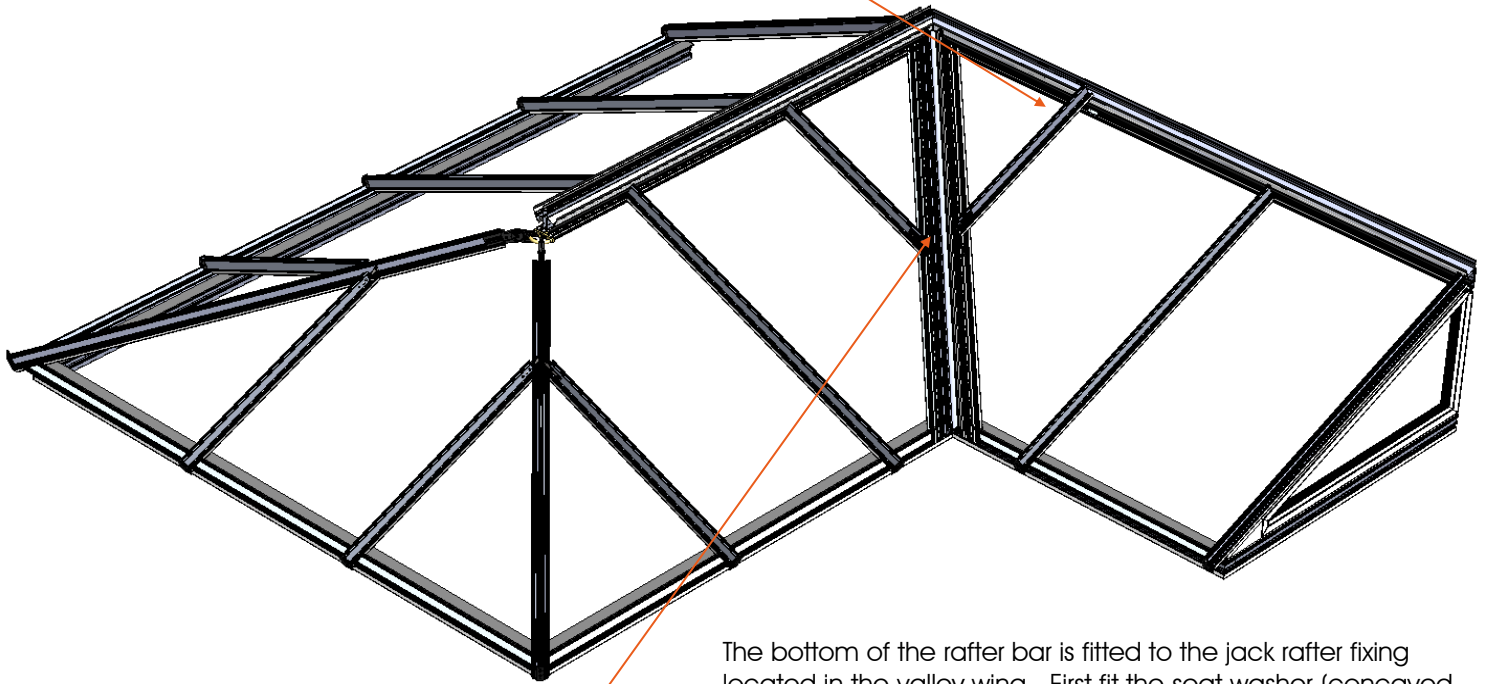
LZFX0001



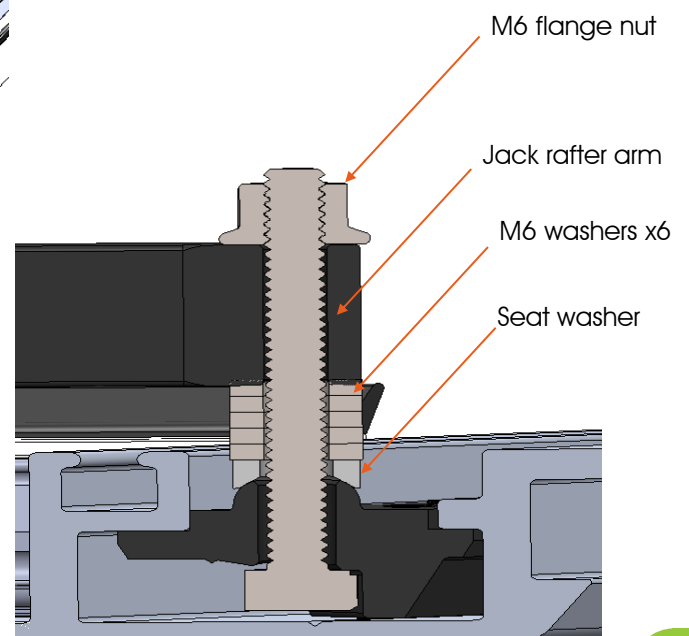
LZFX0020



The top of the valley jack rafter bar is secured by 2x M6 flange nuts to the ridge / half ridge / wallplate.



The bottom of the rafter bar is fitted to the jack rafter fixing located in the valley wing. First fit the seat washer (concaved washer) on to the stud of the jack rafter fixing, Then 6 x 1.6mm M6 washers (there are 2 thicknesses of washers supplied with jack rafter fixings 0.8mm and 1.6mm. Use the thicker washers in this instance), next fit the jack rafter arm and finally secure in place with an m6 flange nut.



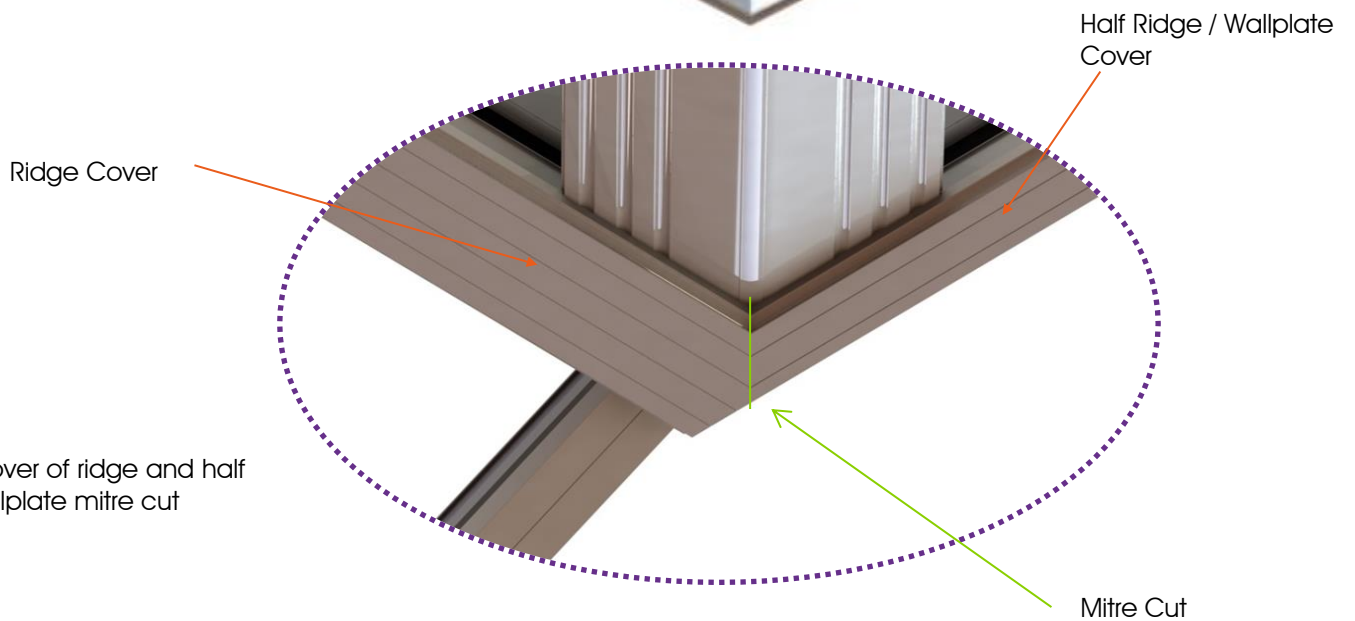
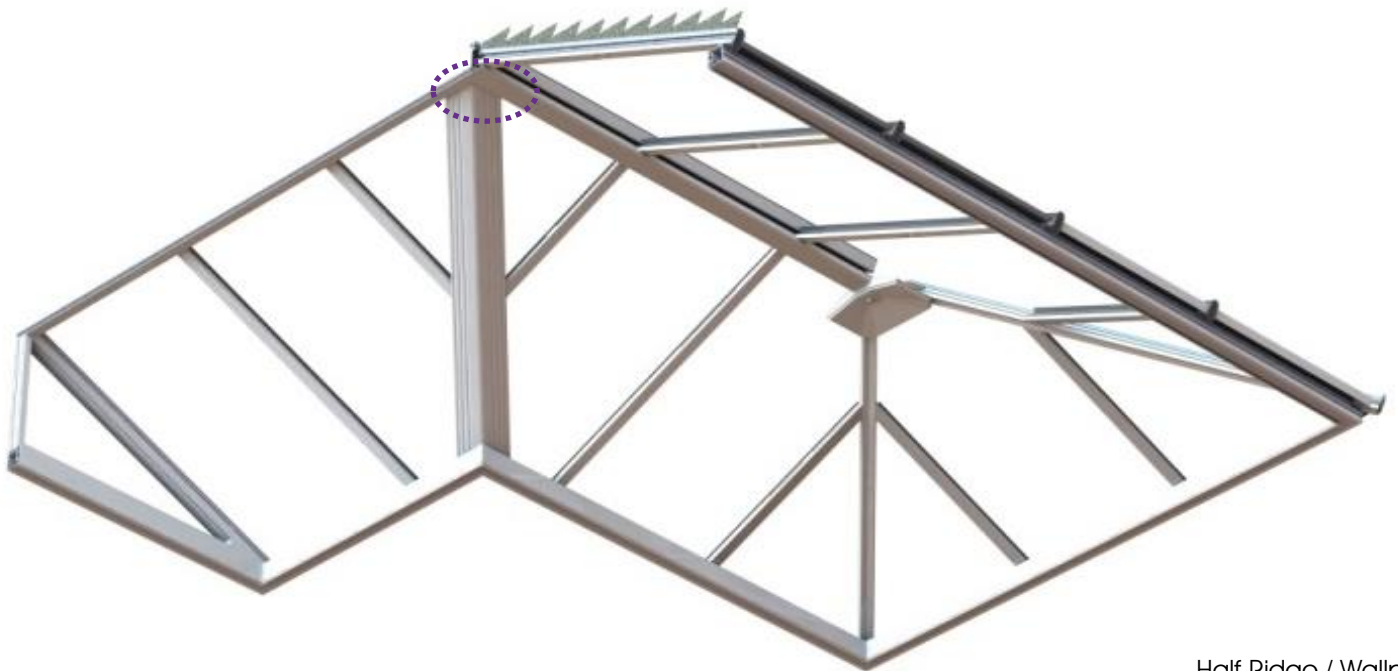




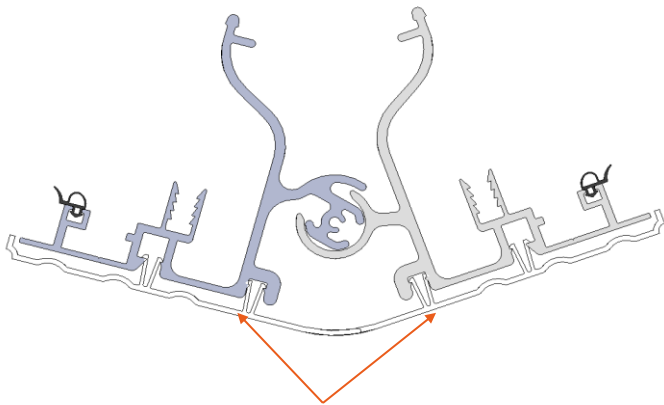
**3.11 – Wall Bar Fixing / Flashing**  
Duo-Pitch Guide: Section 3.07, pages 20-21



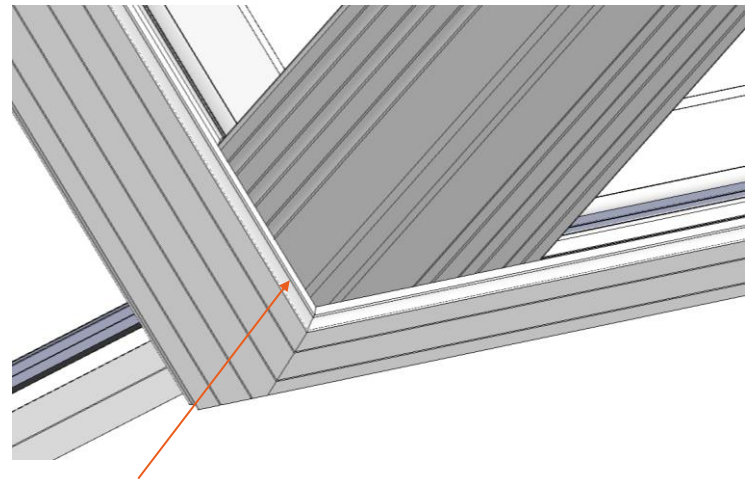
**3.12 – Internal Trim Assembly**  
Duo-Pitch Guide: Section 3.08, pages 22-23  
Duo-Pitch Guide: Section 3.16, pages 38-39  
Mono-Pitch Guide: Section 3.16, pages 38-39



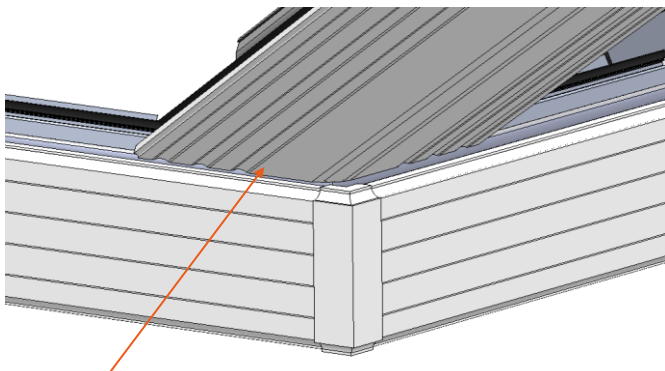
Valley Bottom Cap Assembly



Valley Bottom Cap LZPE0052  
- 2 overlapping pieces, one clipped into each valley wing



At the top of the valley the bottom caps run up to the ridge wing.

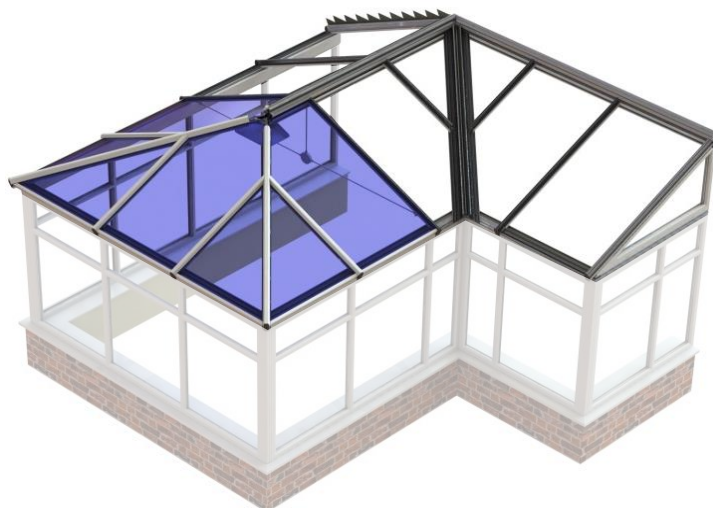


At the bottom the valley bottom cap runs down to the eaves pivot.



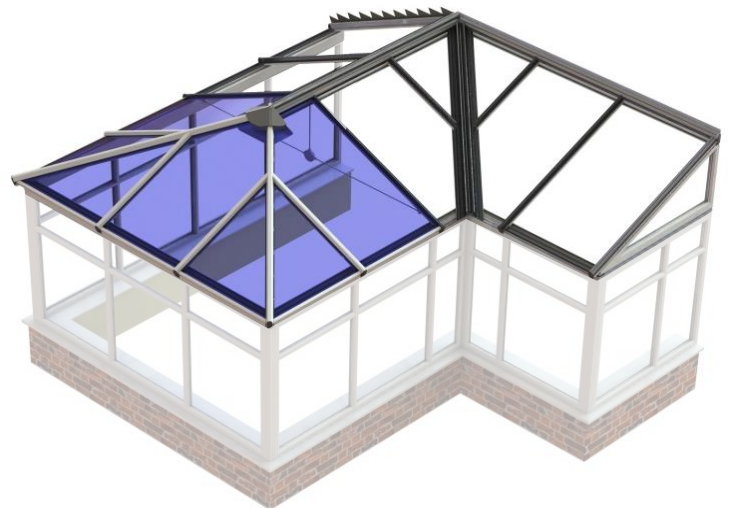
**3.13 – Tie Bar Assembly**

Duo-Pitch Guide: Section 3.09, pages 24-25



**3.14 – Glazing Assembly 1**

Duo-Pitch Guide: Section 3.10, pages 26-27  
Duo-Pitch Guide: Section 3.11, pages 28-29



**3.15 – Weather Seal Assembly**

Duo-Pitch Guide: Section 3.12, pages 30-31

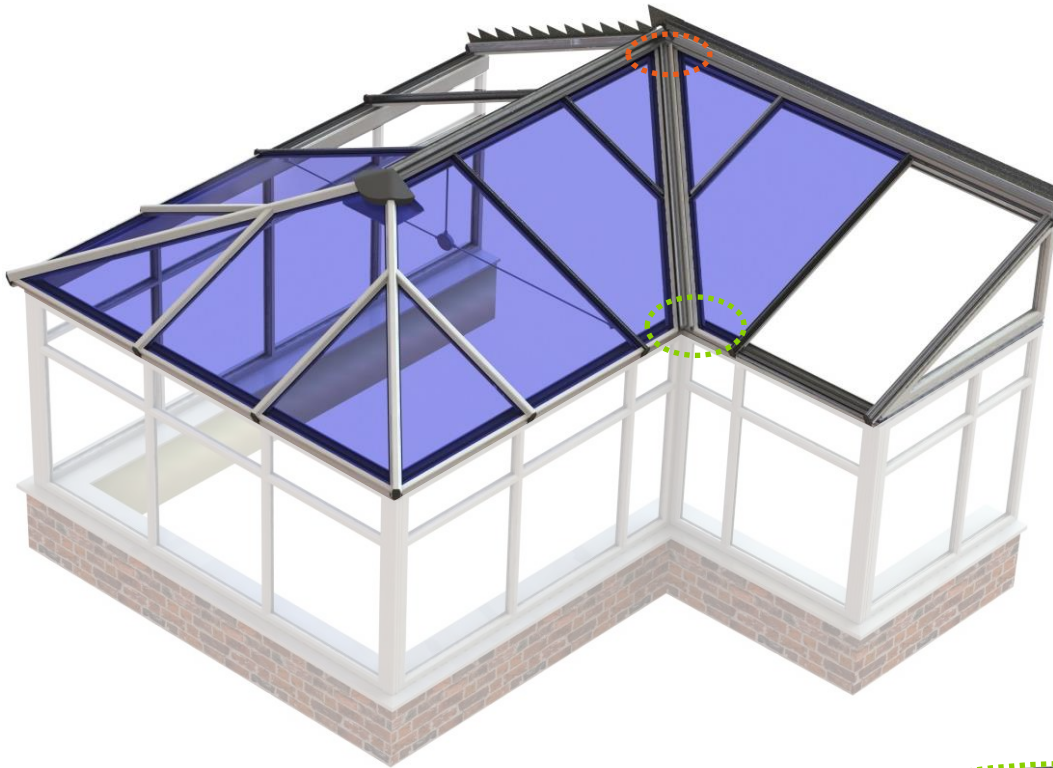
## 3.16 – Glazing Assembly 2

This section shows how to glaze the valley area of the roof.

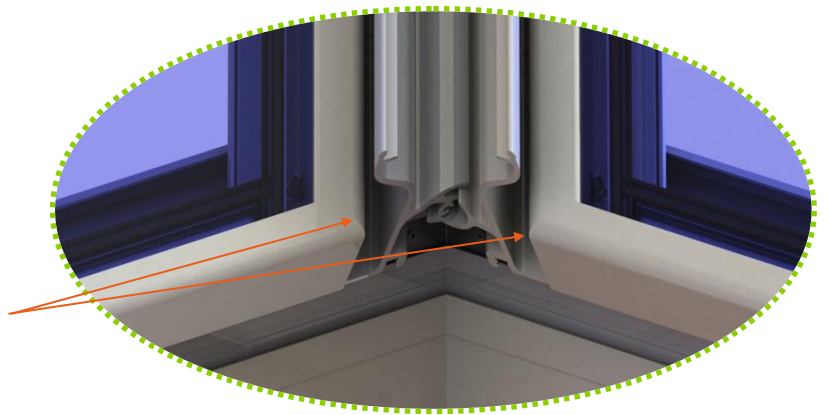
For further details of installing glazing panels, glazing retainer trims and roof bar top caps see:

Duo-Pitch Guide: Section 3.10, pages 26-27

Duo-Pitch Guide: Section 3.11, pages 28-29



Glazing retainer trims are fitted along the full length of both valley wings and are mitre cut to line in with the trims along the bottom edge of the glazing panels.



### Related Components ...



24mm Glazing (Typically glass)



25mm Glazing (Typically polycarbonate)

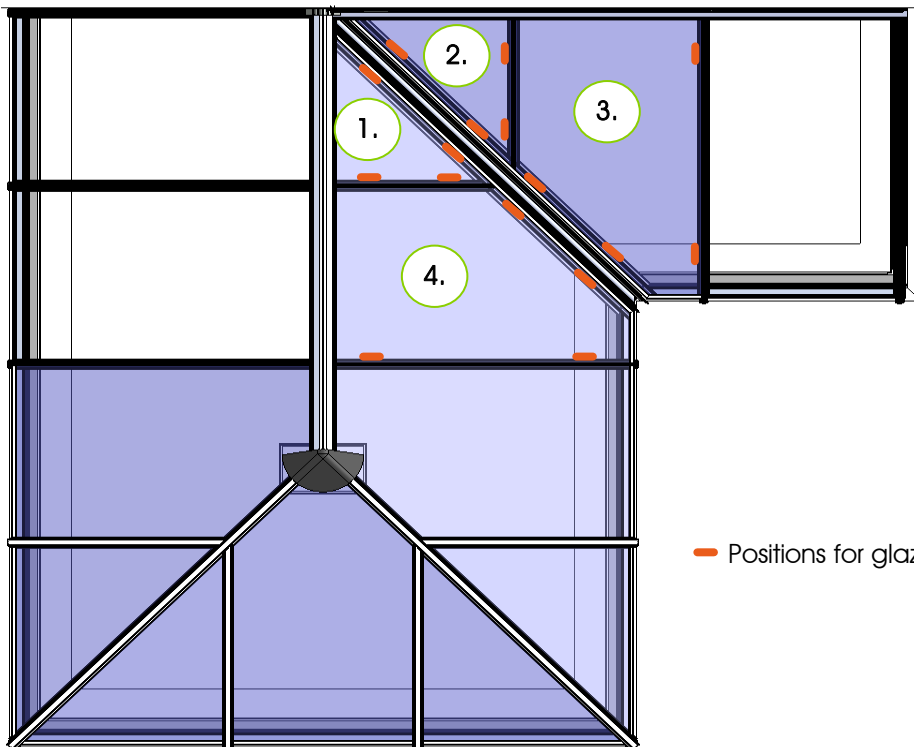


32mm Glazing (Typically polycarbonate)



LZPE0028

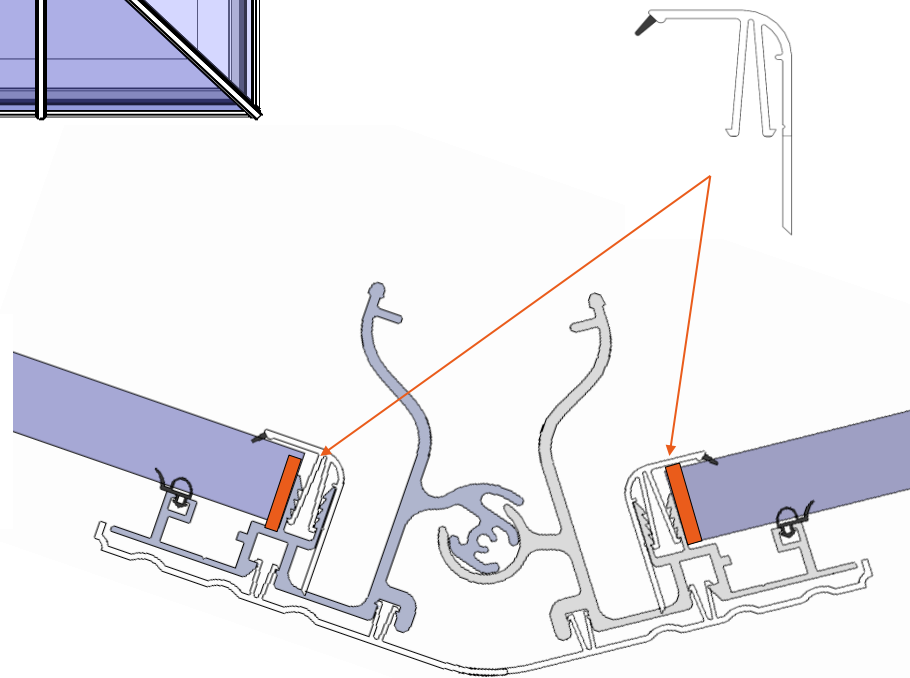




Glazing panels should be fitted either side of the valley in the order shown working from top to bottom of the valley. There should be approximately 15mm overlap between the ridge flipper gaskets and the top edge of the glazing panels.

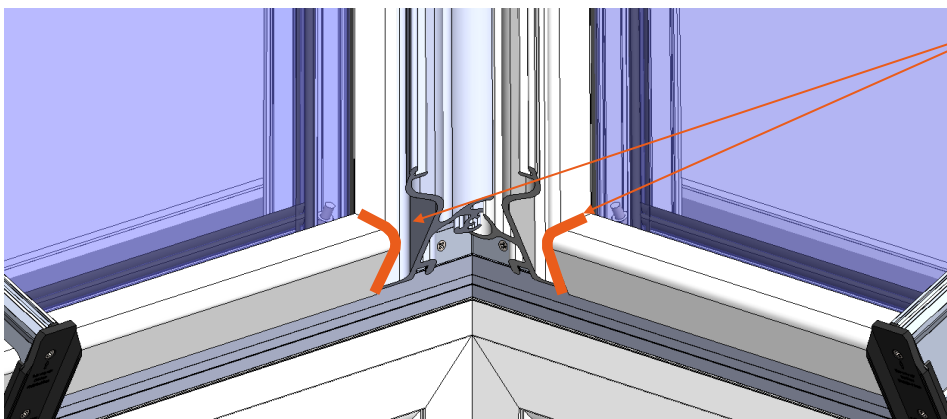
It may be necessary to use glazing packers between the glazing panels and valley wings, valley jacks and transom bars. Ensure glazing panels are square to the roof bars when installed.

— Positions for glazing packers



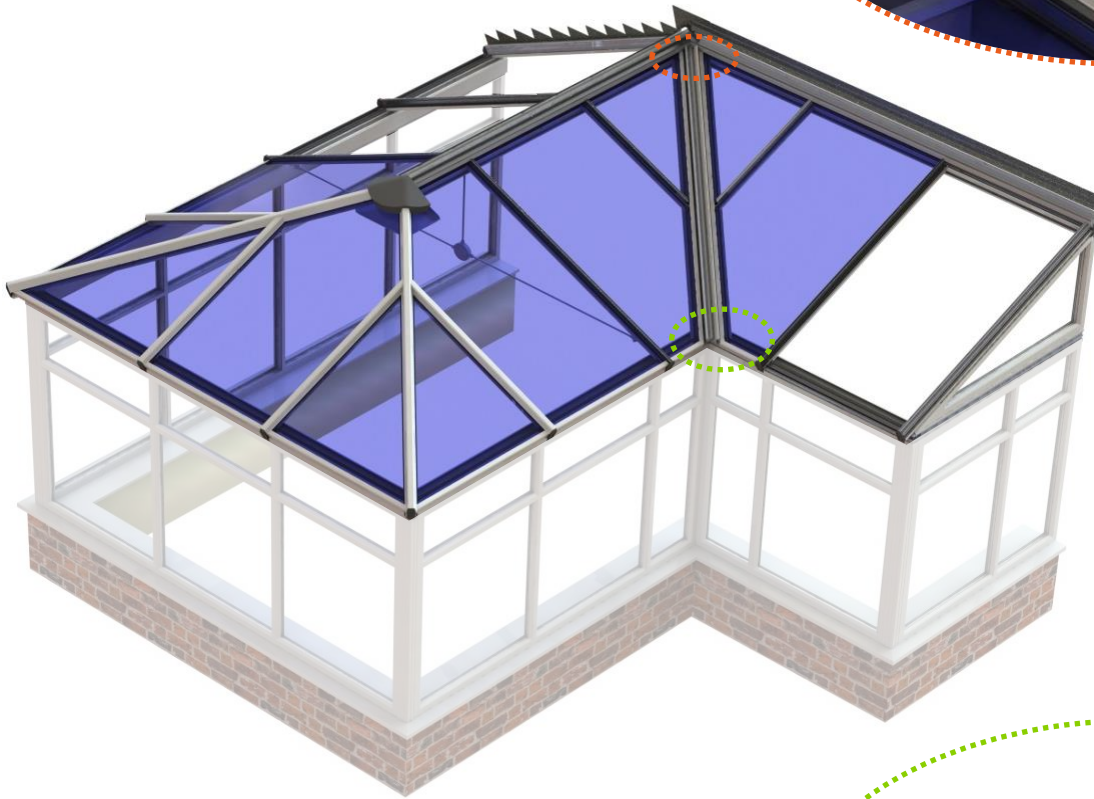
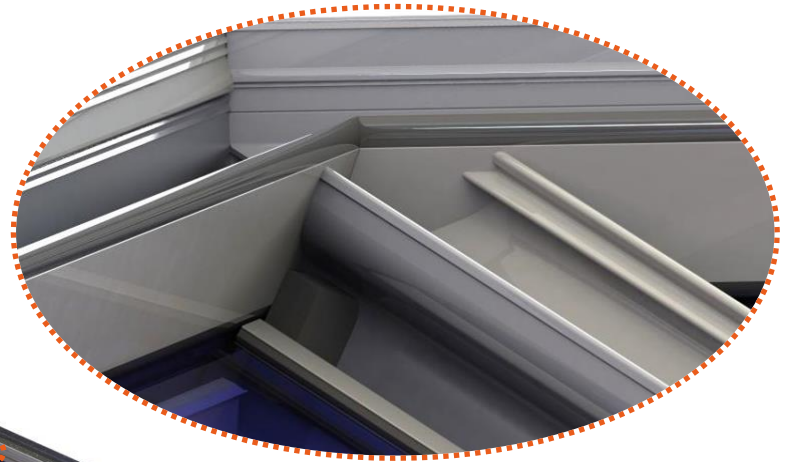
Glazing retainer trims are then fitted along the full length of both valley wings and along the bottom of the glazing panels.

The glazing retainer trims are mitre cut and should be bonded together using an appropriate adhesive such as Stelmax.

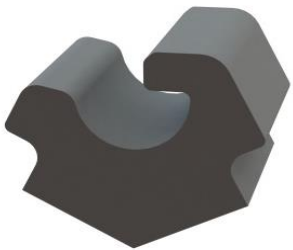


## 3.17 – Valley Foam Weather Seals Assembly

Foam weather seals are inserted in the bottom and top of the valley



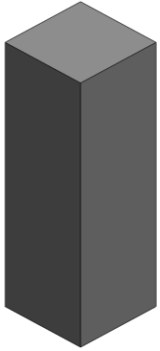
### Related Components ...



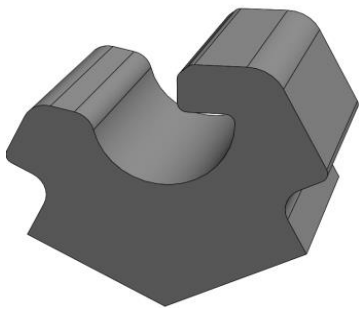
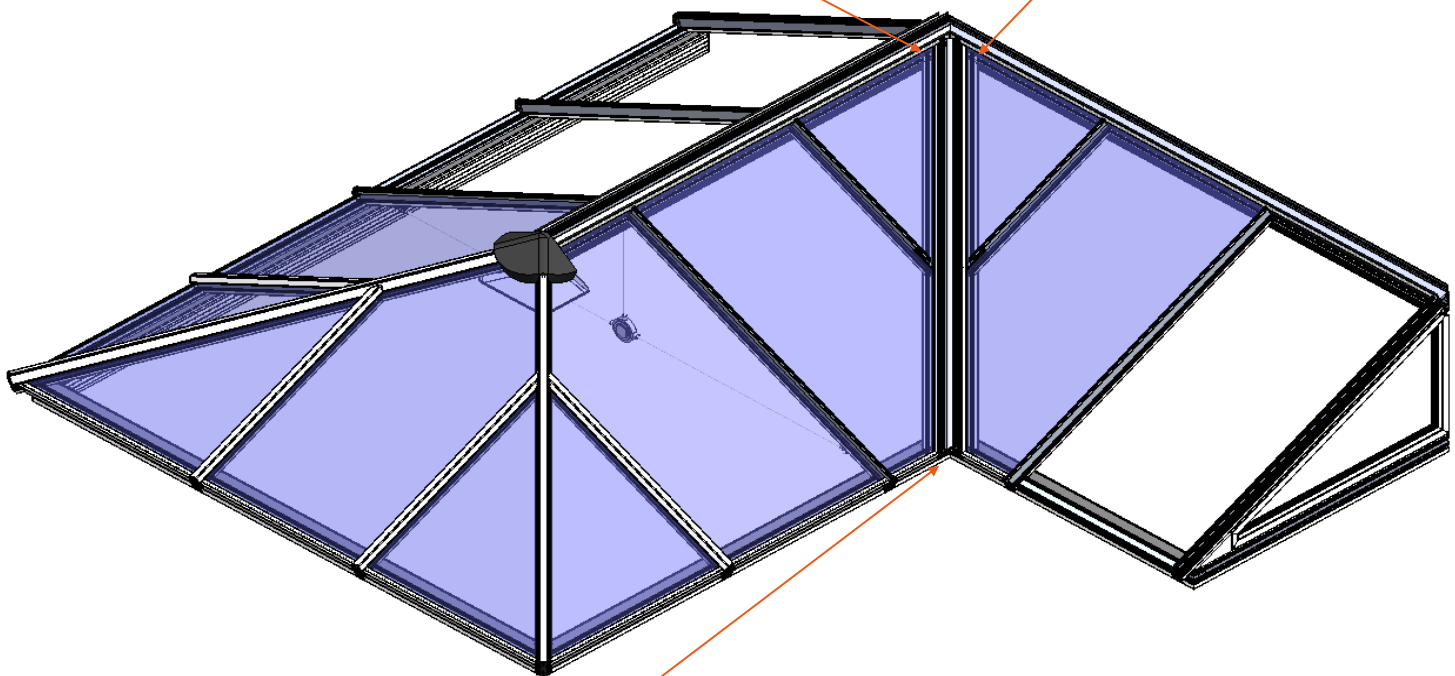
LZSU0093



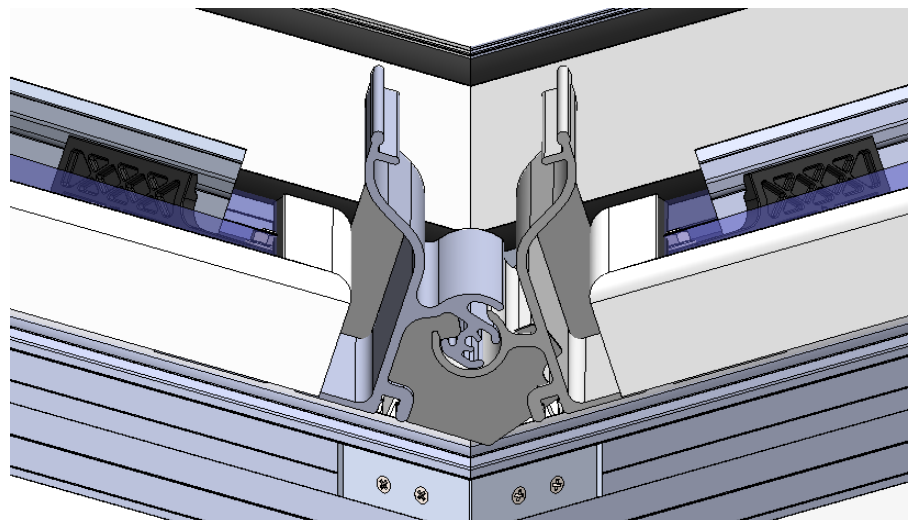
LZSU0094



Valley wing foam seals (LZSU0094) are inserted into the valley wings in the position shown and pushed up to the top of the valley to make contact with the ridge and form a seal.

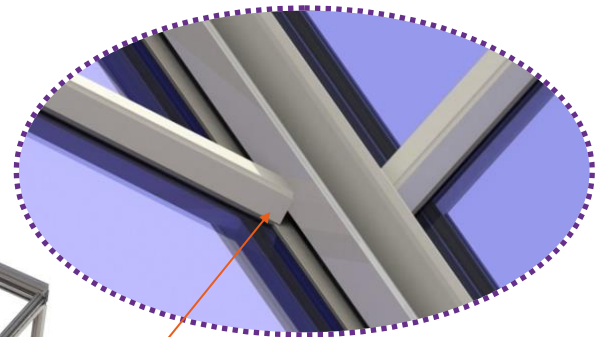
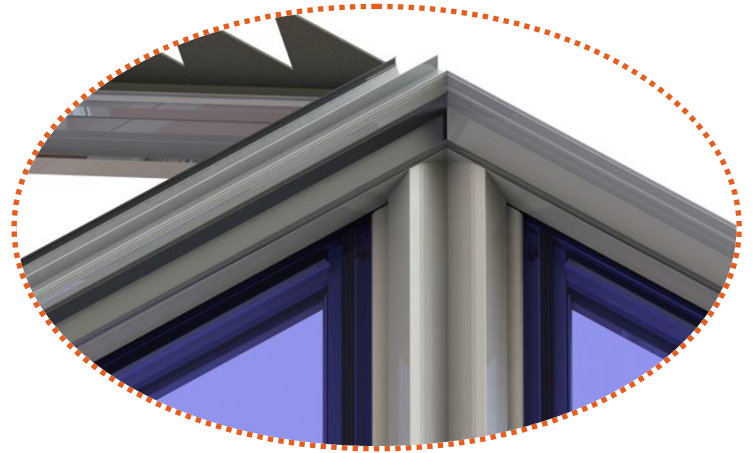
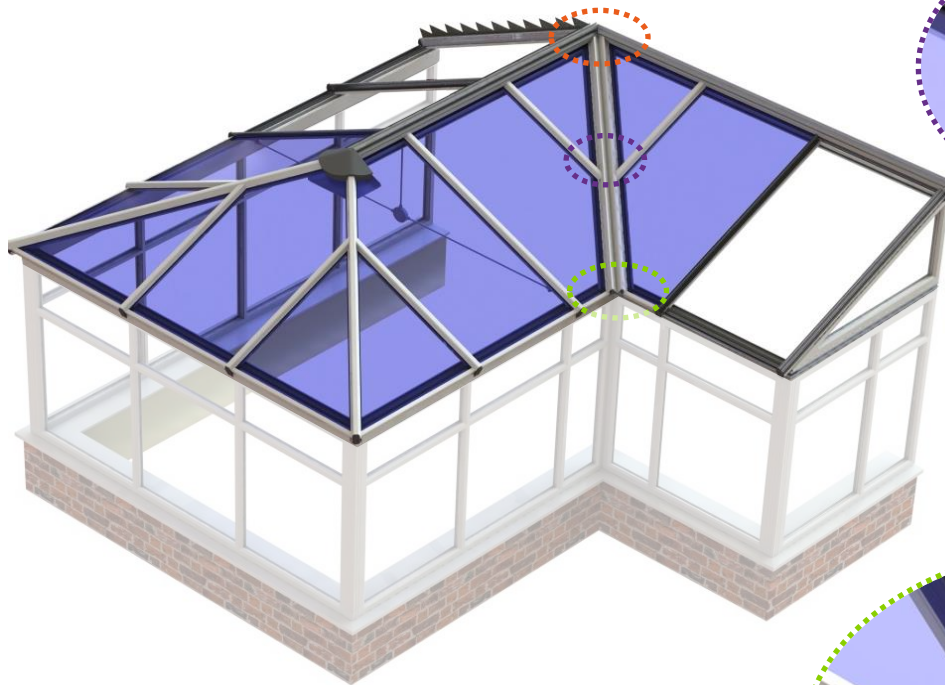


The valley foam weather seal (LZSU0093) is inserted into the bottom of the valley and pushed up to make contact with the eaves beam and form a seal. If the roof has a pitch differential it may be necessary to insert more than one piece to form a complete seal.

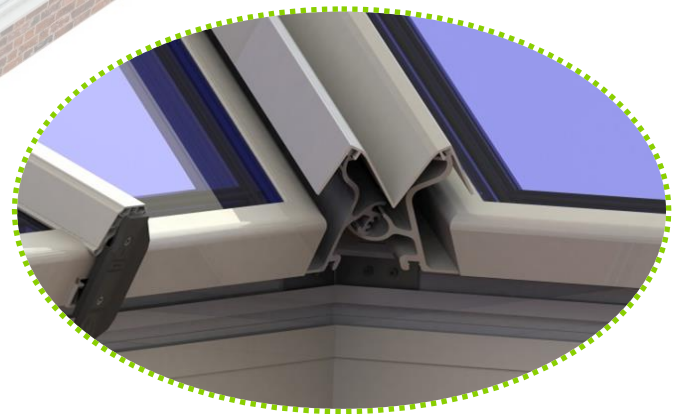


## 3.18 – Valley Top Cap Assembly

This section details fitting the valley top cap



Valley jack top caps are mitre cut to align with the valley top cap.



### Related Components ...



LZPE0051



LZPE0041

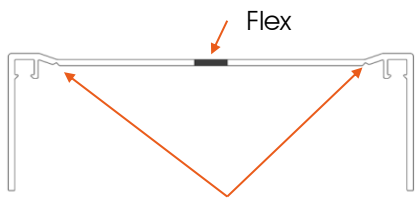


LZPE0042



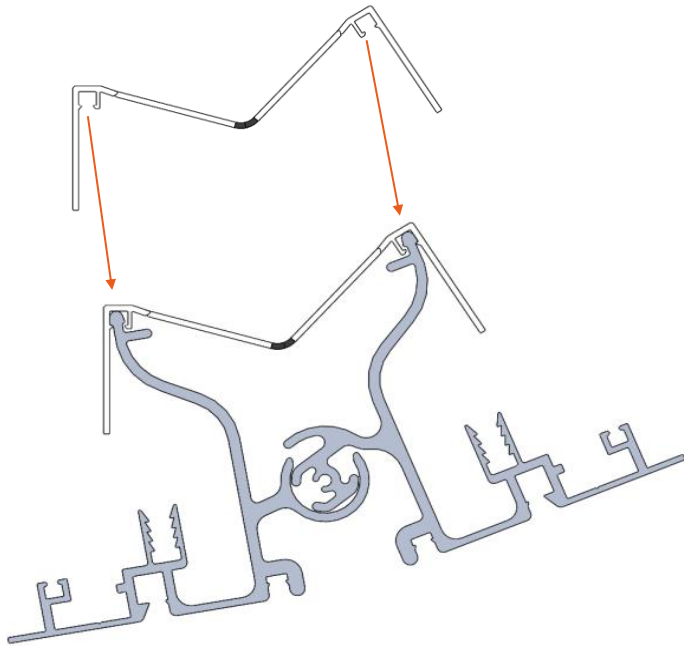
LZPE0043



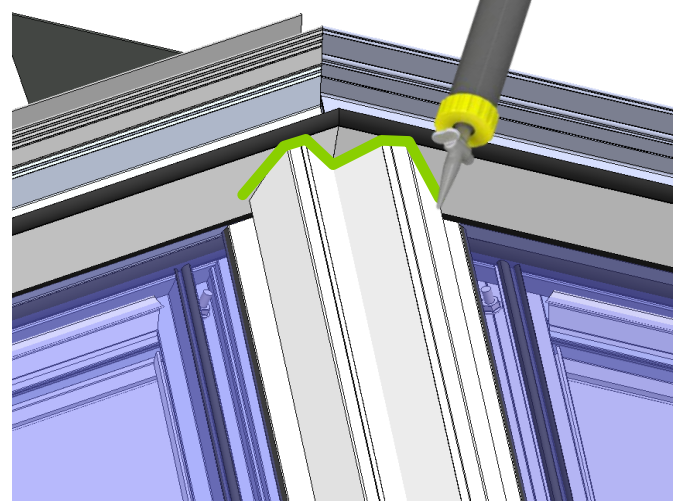
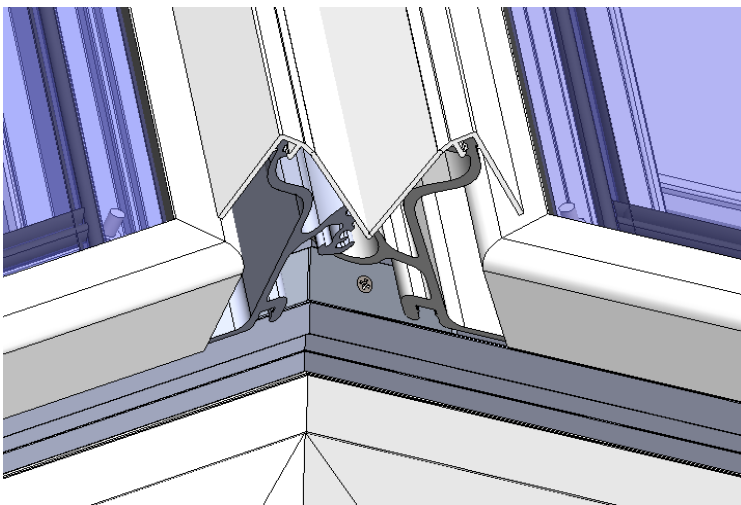


PVC top cap can bend here.

The valley top cap (LZPE0051) has flex in the centre and two areas of the PVCu that can be bent to allow the top cap to suit all roof pitches.

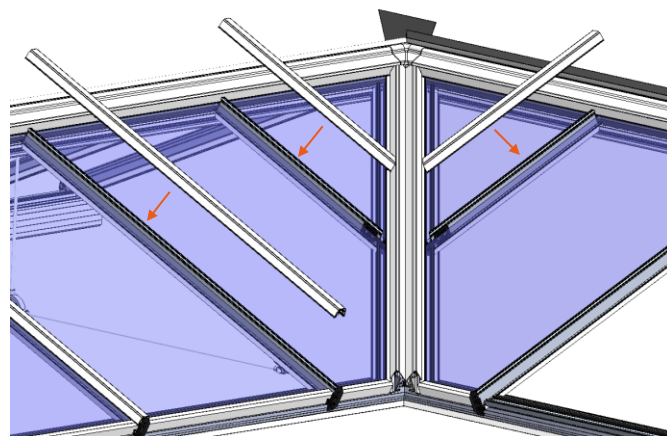


The valley top cap is clipped to the two valley wings as shown (left). The top of the valley top cap should be cut to an arrow head to line in with the ridge and half ridge/wallplate. A continuous bead of an appropriate sealant should be run along the mating edges of the fascia trims of the ridge and the valley top cap.



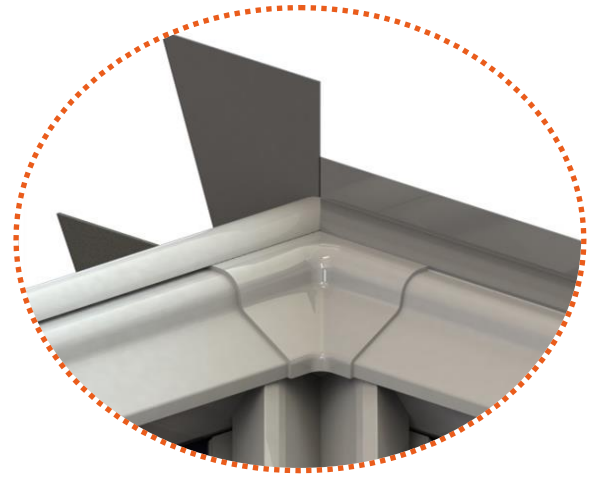
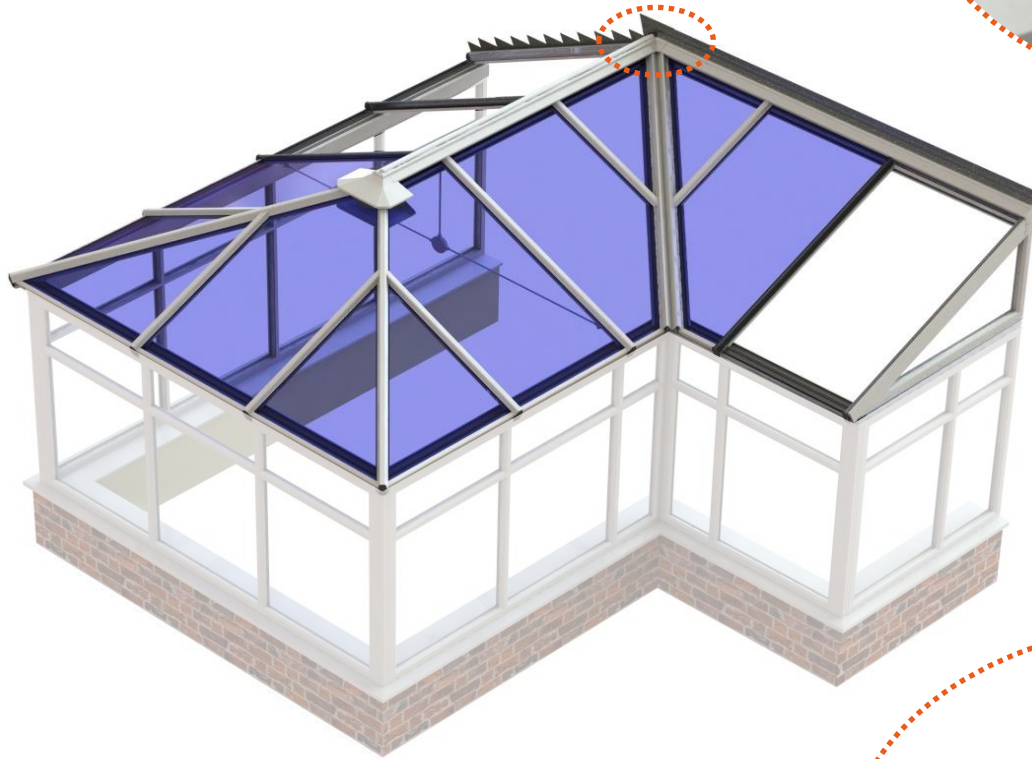
Fit roof bar top caps.

Valley jack top caps are mitre cut to align with the valley top cap.

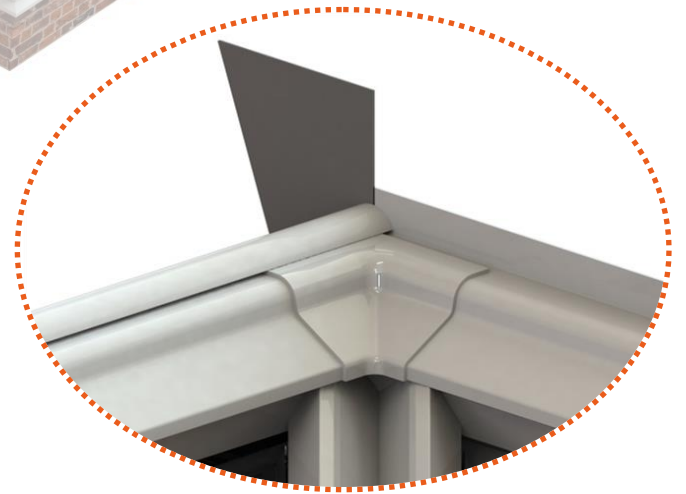


## 3.19 – Ridge & Wallplate / Half Ridge Cover Assembly

The ridge and wallplate / half ridge covers are mitre cut. This is covered by the ridge cover corner trim to give a neat finish. Flashing can then be run along the wallplate / half ridge



Half Ridge



Wallplate

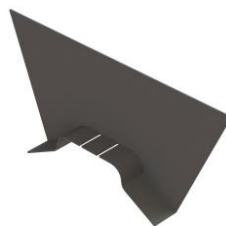
### Related Components ...



LZMP0057



LZPE0011



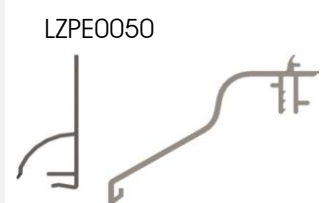
LZMP0017

Wallplate



LZPE0021

Half Ridge



LZPE0050

LZPE0011

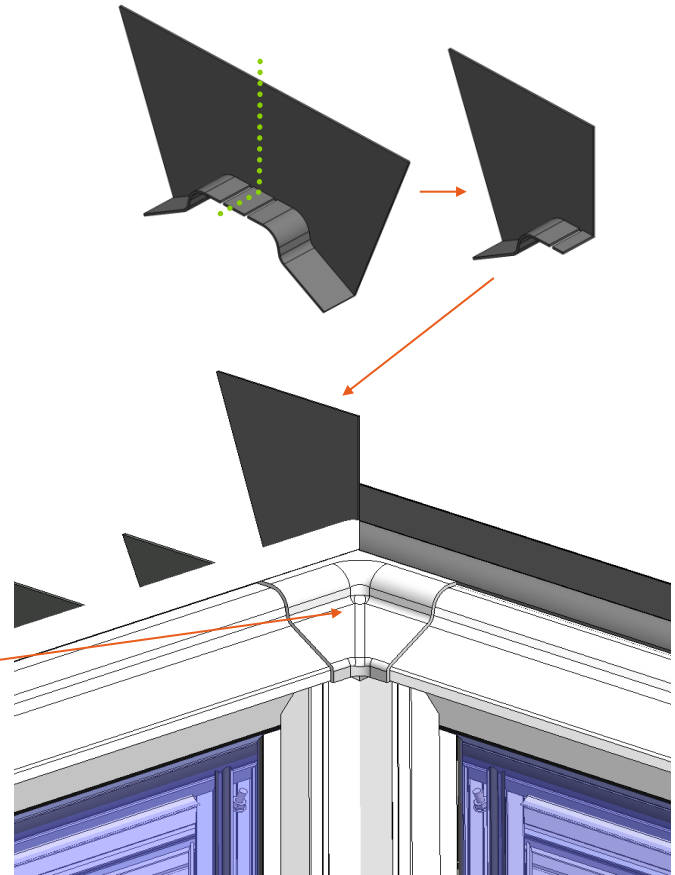
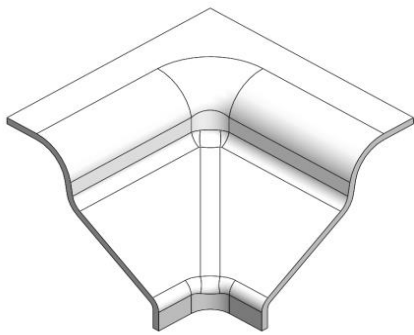


### Ridge Flashing Trim

Cut the ridge flashing trim down the centre.  
Apply an appropriate sealant to the mating surfaces of ridge flashing trim and ridge cover and then secure in place.

Fit all ridge, wallplate and half ridge covers.  
For further information:

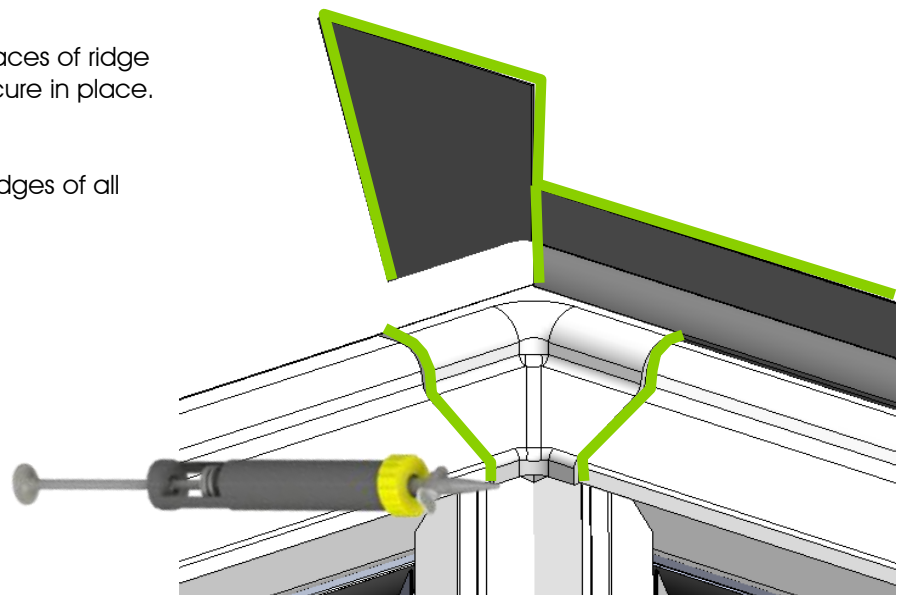
Duo-Pitch Guide: Section 3.13, pages 32-33  
Mono-Pitch Guide: Section 3.10, pages 26-27  
and Section 3.11, pages 28-29



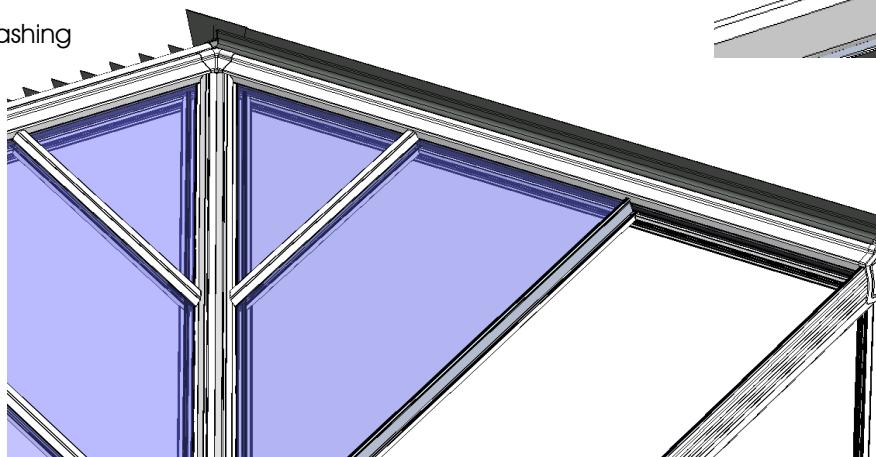
### Ridge Cover Corner Trim

Apply an appropriate sealant to the mating surfaces of ridge cover corner trim and ridge covers and then secure in place.

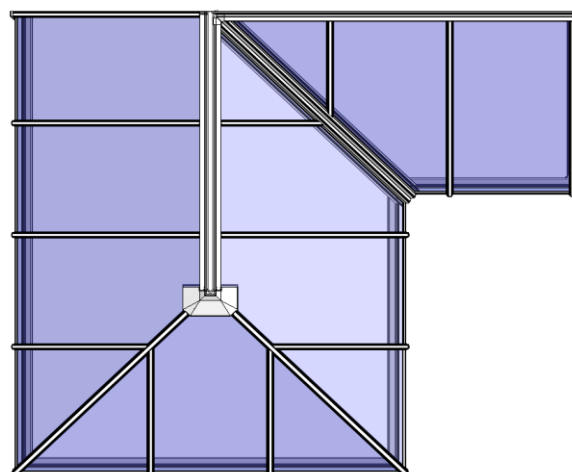
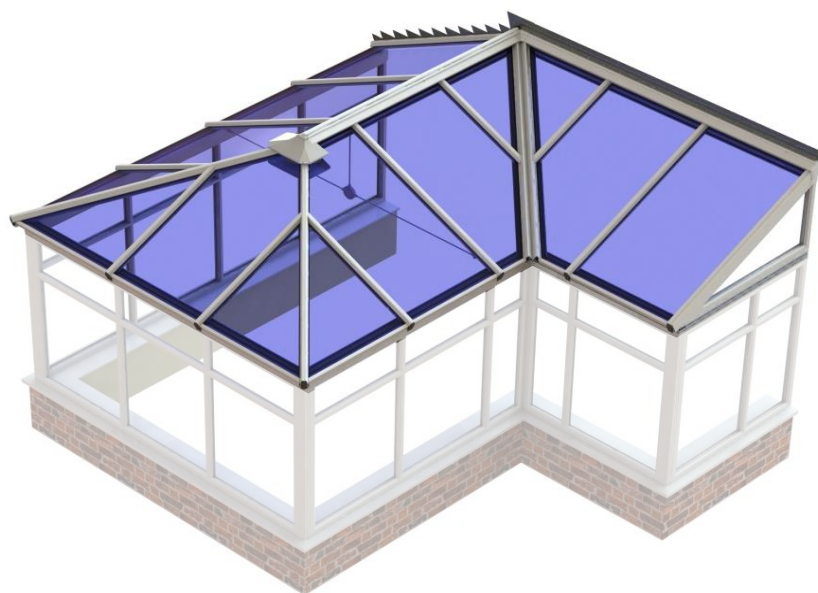
Run a continuous bead of sealant around the edges of all flashing trims and the ridge cover corner trim.



Flashing



Once all top covers are fitted the wallplate/half ridge should be flashed



### 3.20 – Glazing Assembly 3

Install all remaining glazing panels, glazing retainer trims and roof bar top caps.

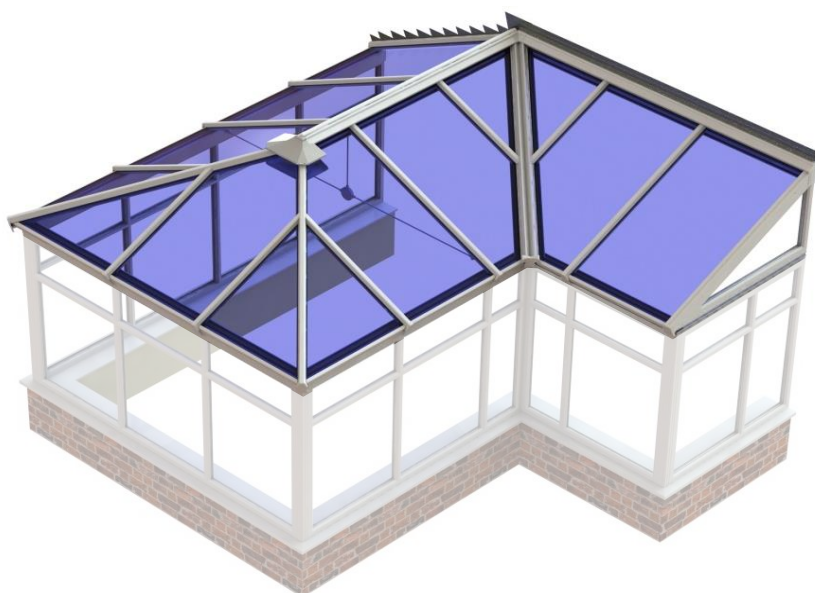
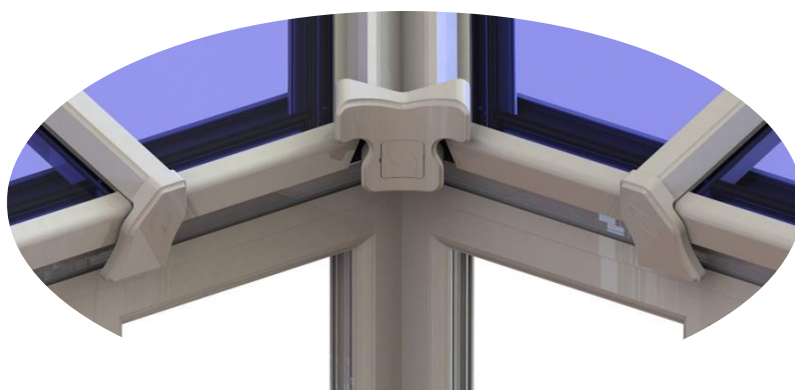
Duo-Pitch Guide: Section 3.10, pages 26-27

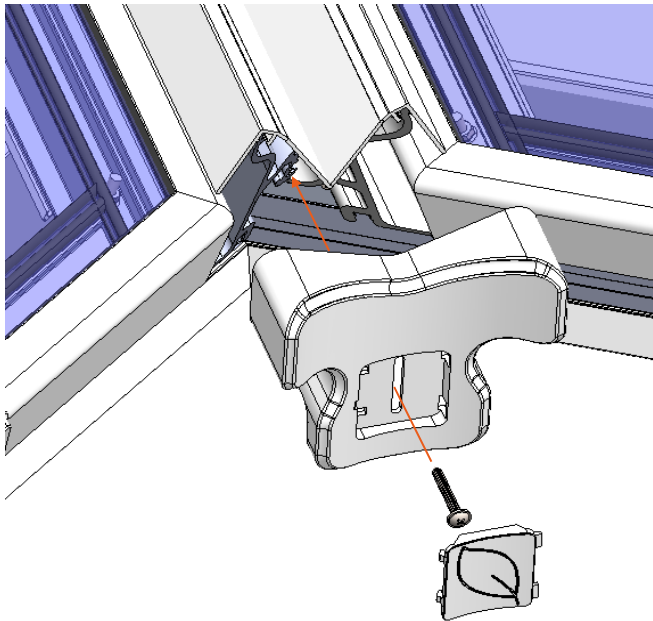
Duo-Pitch Guide: Section 3.11, pages 28-29

### 3.21 – Roof Bar End Cap Assembly

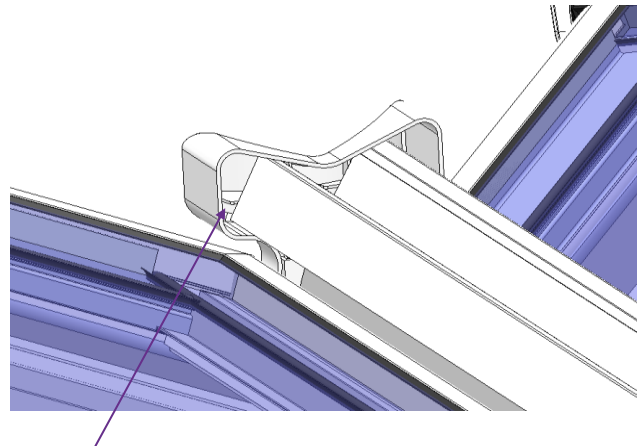
This section details fitting the valley end cap. For information on fitting the rest of the roof bar end caps see;

Duo-Pitch Guide: Section 3.15 , pages 36-37

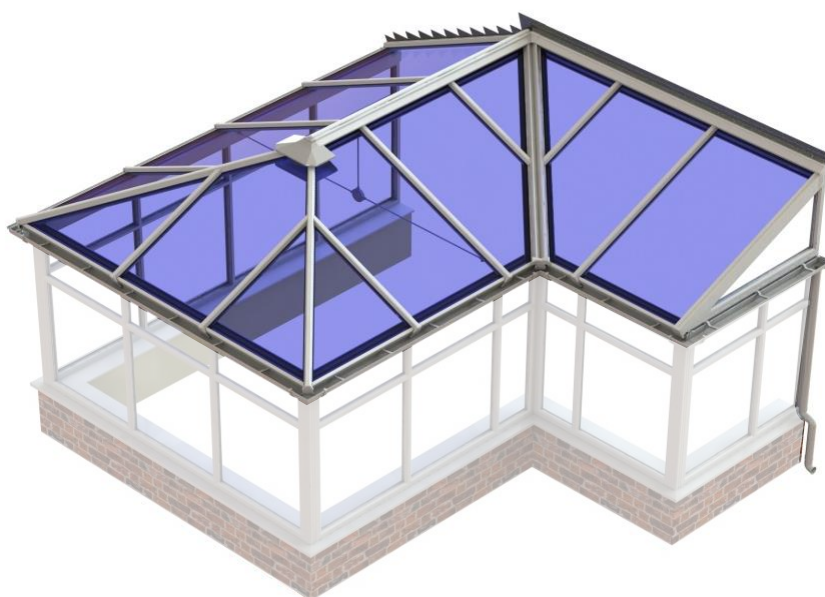
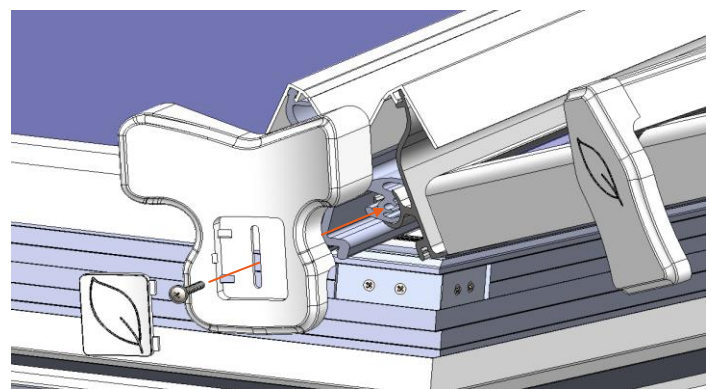




The valley end cap is secured in place with a Bay pole screw. The valley end cap logo plate is then clipped in place to cover the screw head.



*\*Ensure the valley top cap is located inside the side walls of the valley end cap before screwing in place.\**

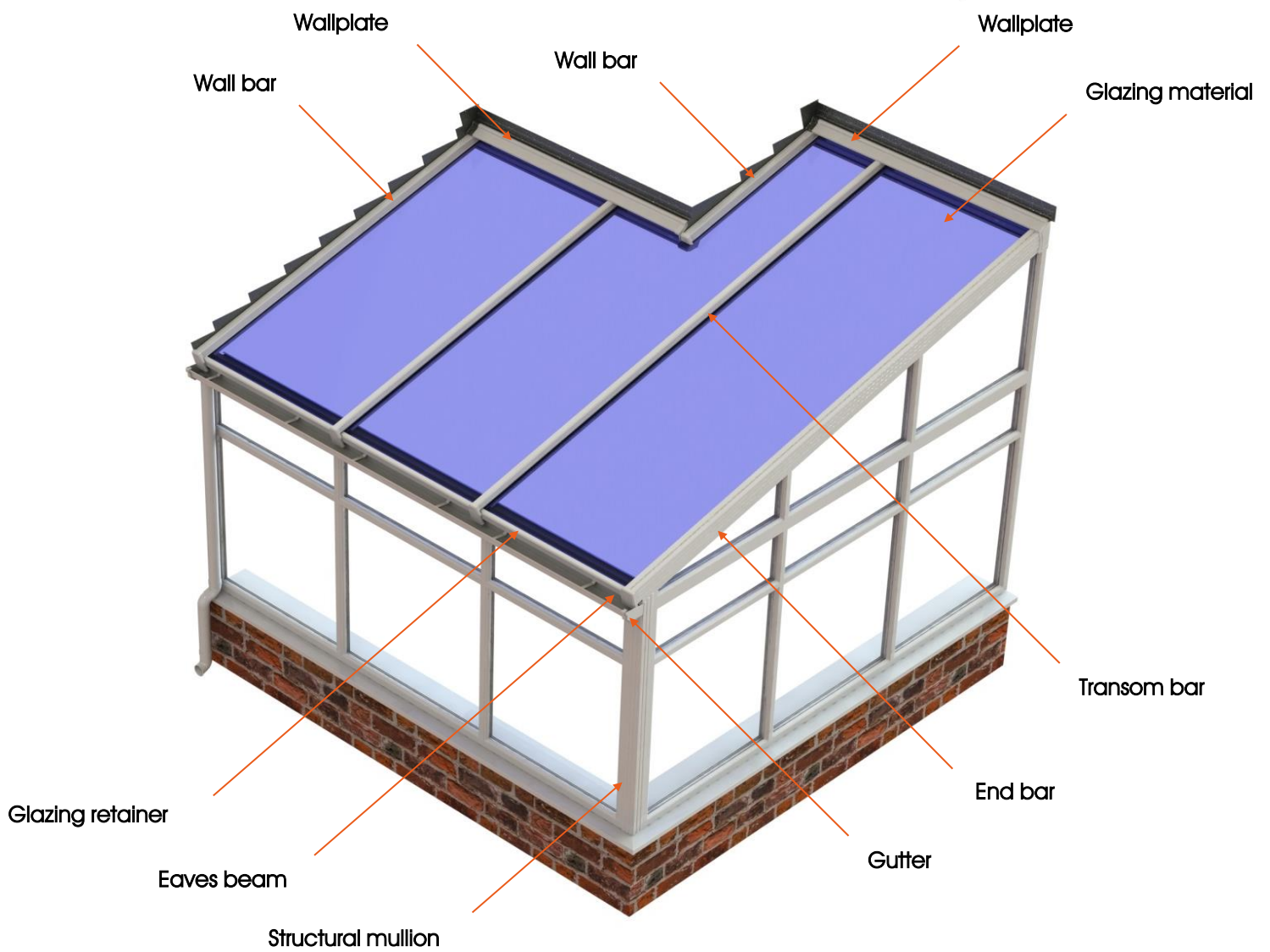
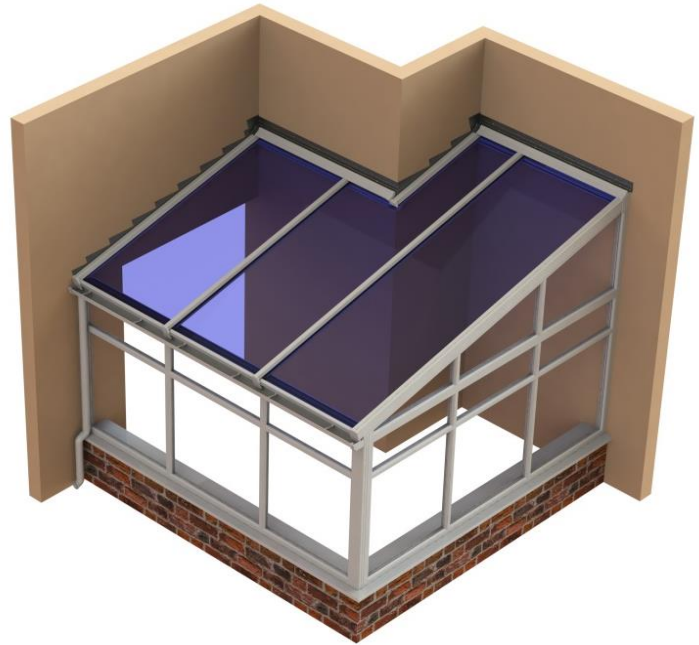


**3.22 – Guttering Assembly**  
 Duo-Pitch Guide: Section 6.00, pages 50-51

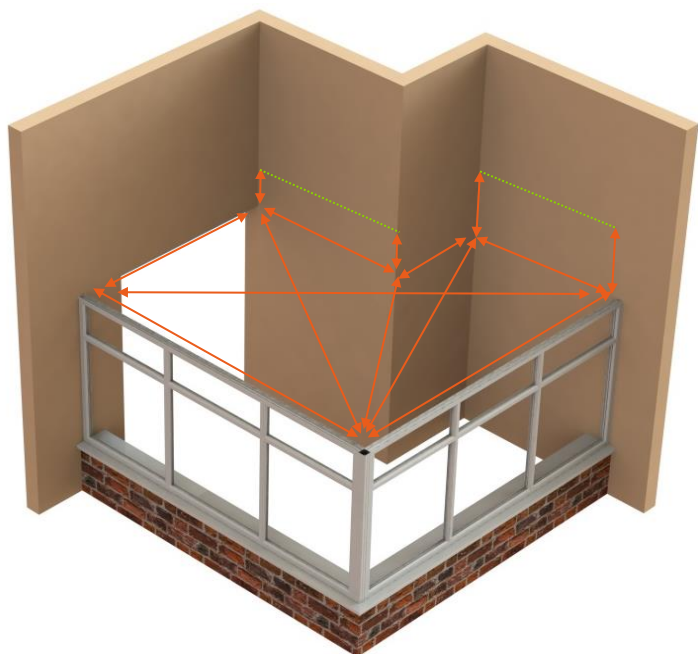


## 4.00 – Lean-To Cut-outs

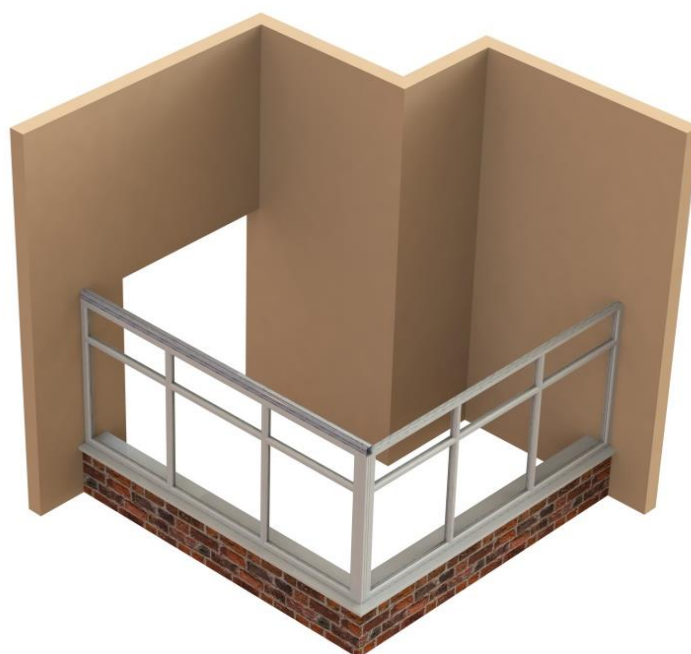
This section of this guide shows the assembly steps for a Lean-to roof with a cut-out and makes reference to the Linear Roof Installation Guide (Mono-Pitch) .



*\*Additional structural mullions may be required\**



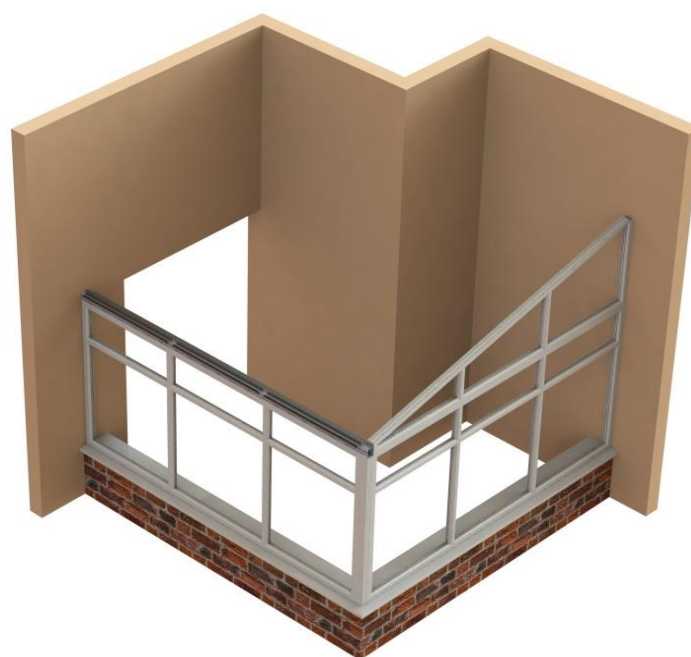
**4.01 Preparation and Wallplate scribing**  
Mono-Pitch Guide: Section 3.00, pages 6-7  
Mono-Pitch Guide: Section 3.01, pages 8-9



**4.02 Eaves Beam Assembly**  
Mono-Pitch Guide: Section 3.02, pages 10-11



**4.03 Raked Frame Notching and Assembly**  
Mono-Pitch Guide: Section 3.03, pages 12-13  
Mono-Pitch Guide: Section 3.04, pages 14-15

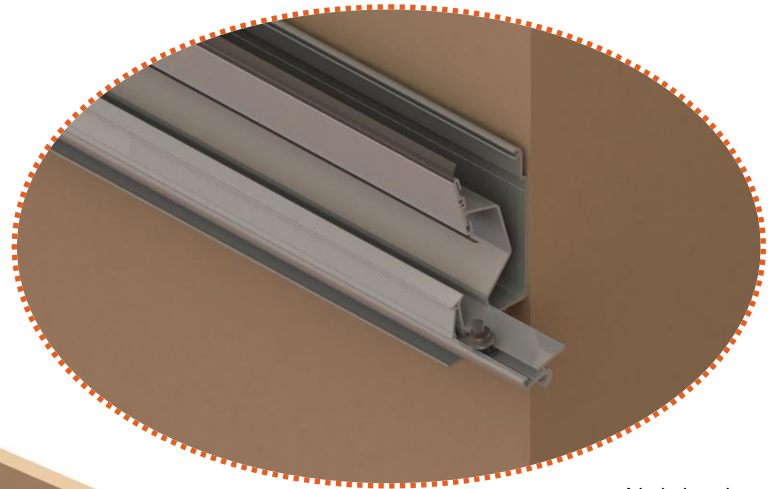


**4.04 Glazing Retainer Assembly**  
Mono-Pitch Guide: Section 3.05, pages 16-17

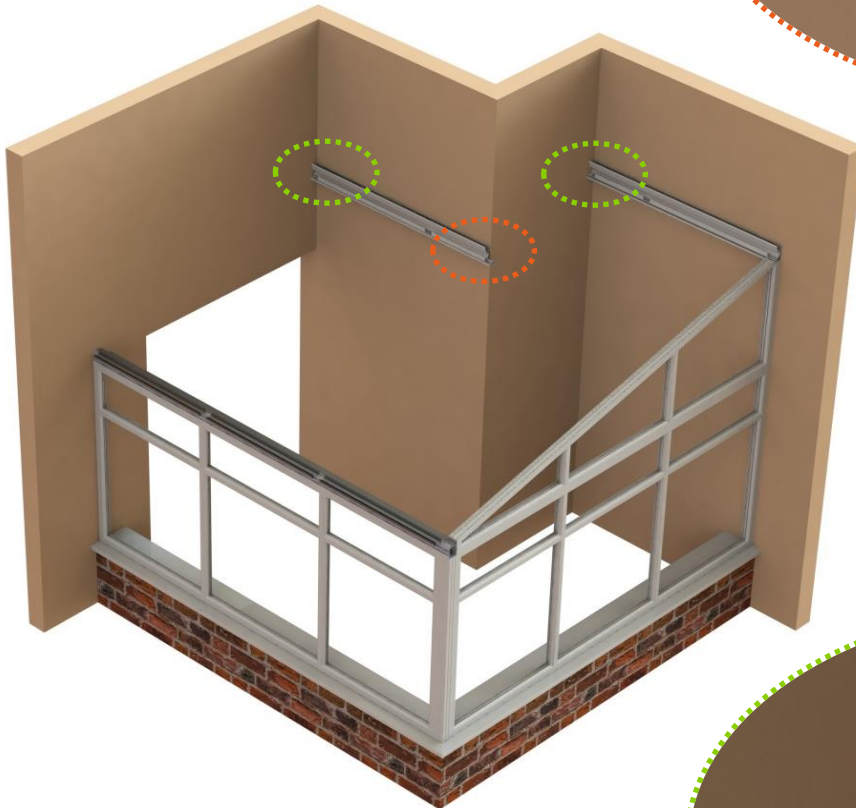
## 4.05 – Wallplate Assembly

Fix all wallplates in position. For installation details see:

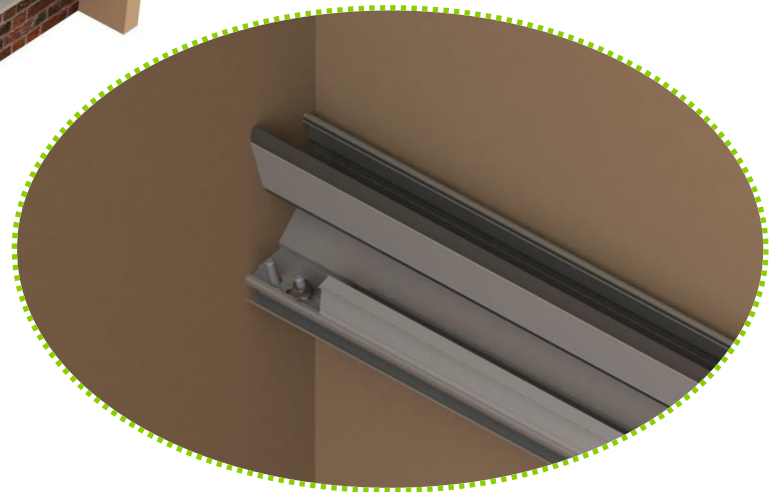
Mono-Pitch Guide: Section 3.05, pages 16-17;



Notched wallplate assembly



Wallplate assembly



### Related Components ...

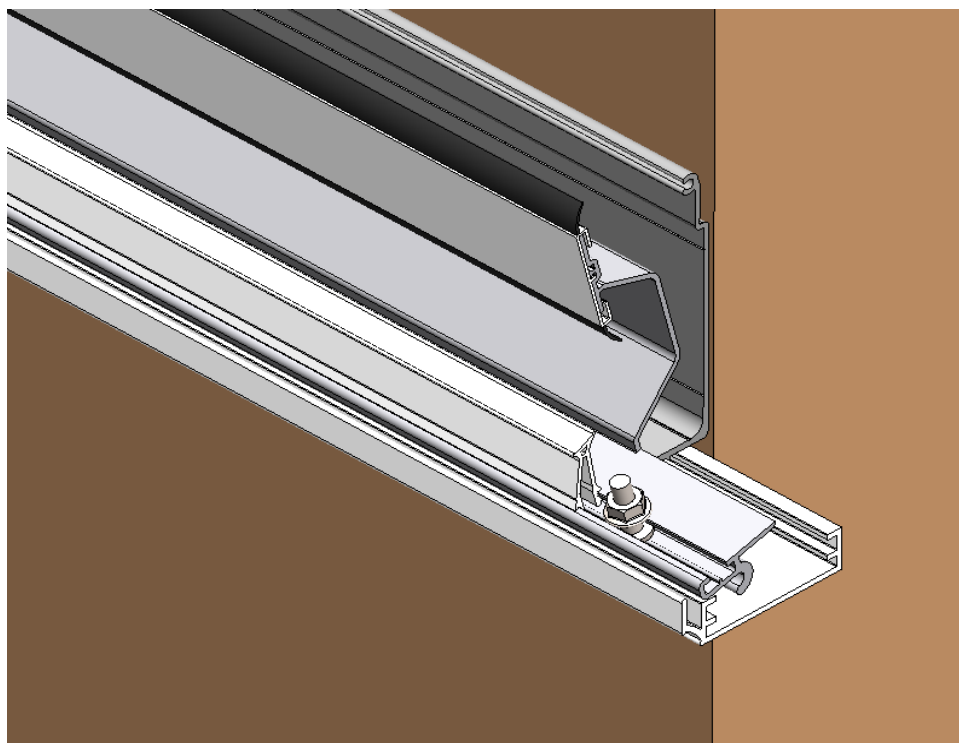


Notched Wallplate Assembly

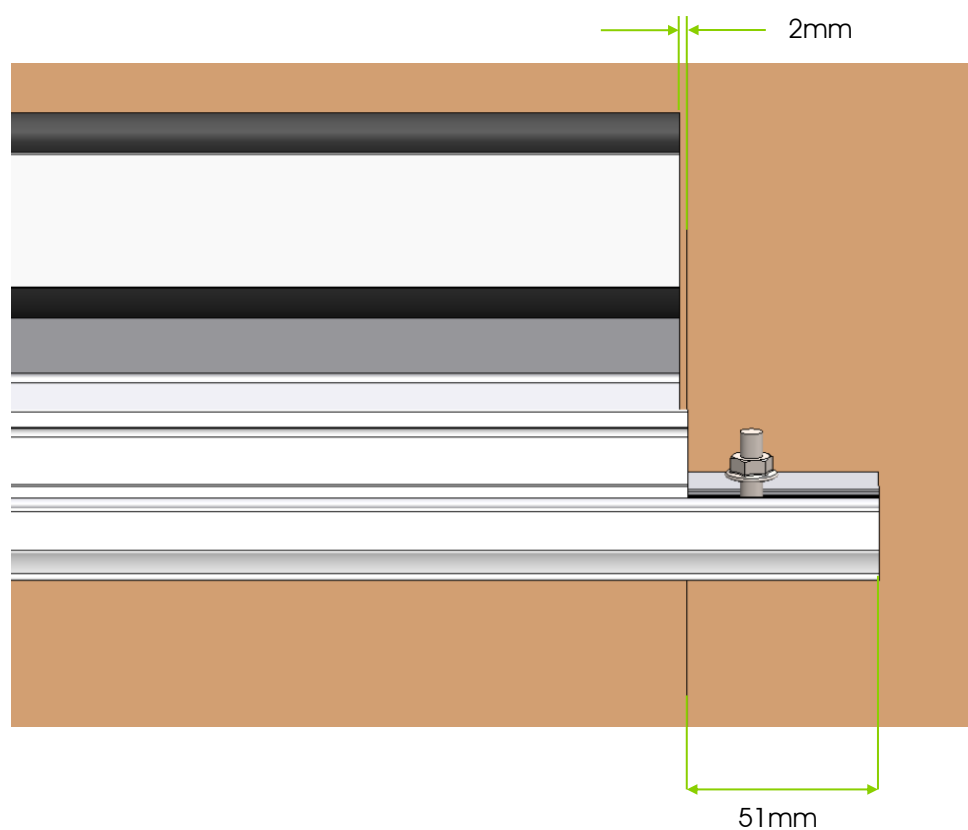


Wallplate Assembly





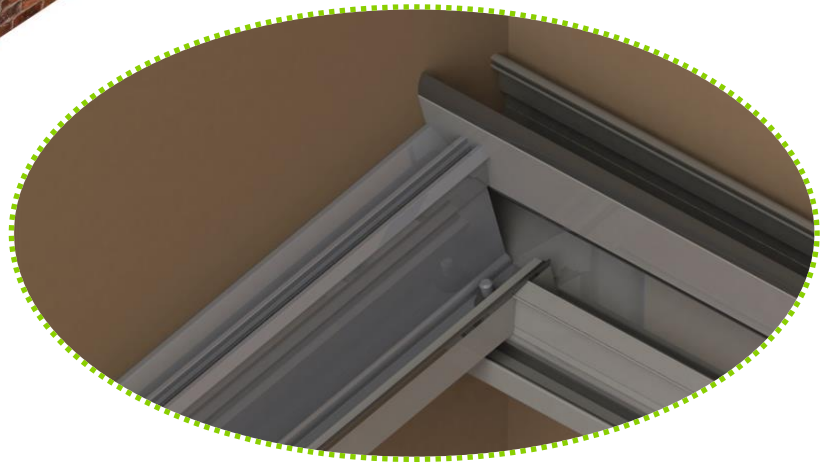
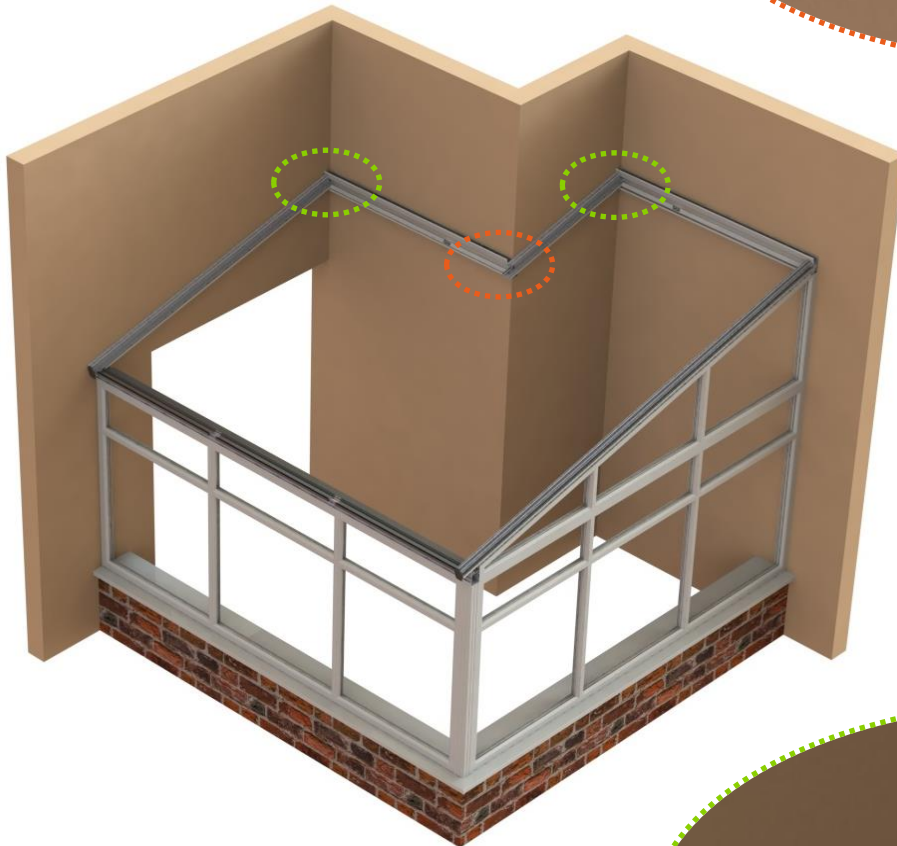
The notched wallplate is fitted to the wall, following the same process as a standard wallplate. The wallplate should be positioned 2mm from the wall end. The notched end of the wallplate wing should overhang the end of the wall by 51mm (as shown below).



## 4.06 – Wall Bar Assembly

Fix all wall / end bars in position. For installation details see:

Mono-Pitch Guide: Section 3.08, pages 22-23;



### Related Components ...



Wall Bar  
Assembly



Notched Wall  
Bar Assembly



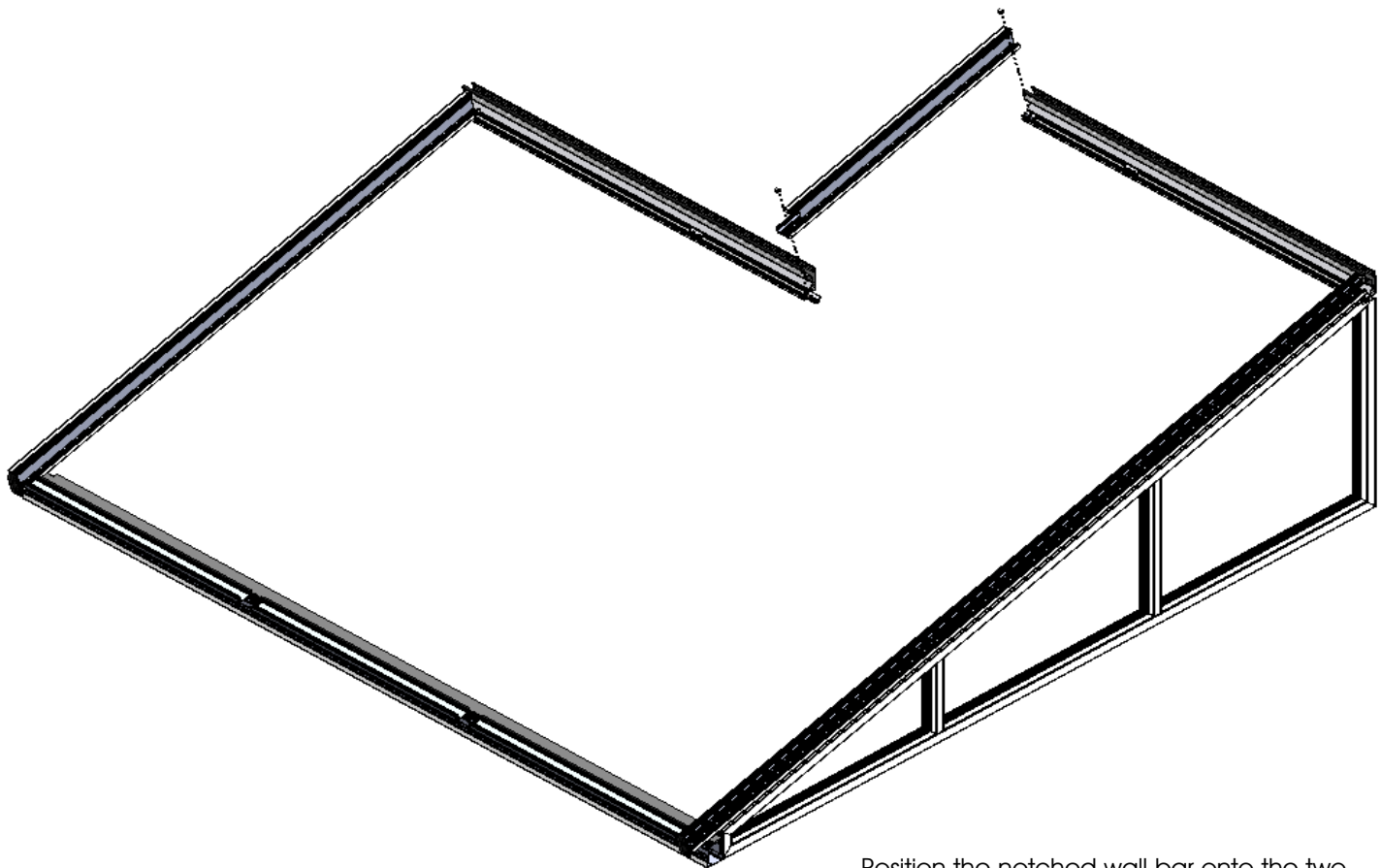
LZFX0001



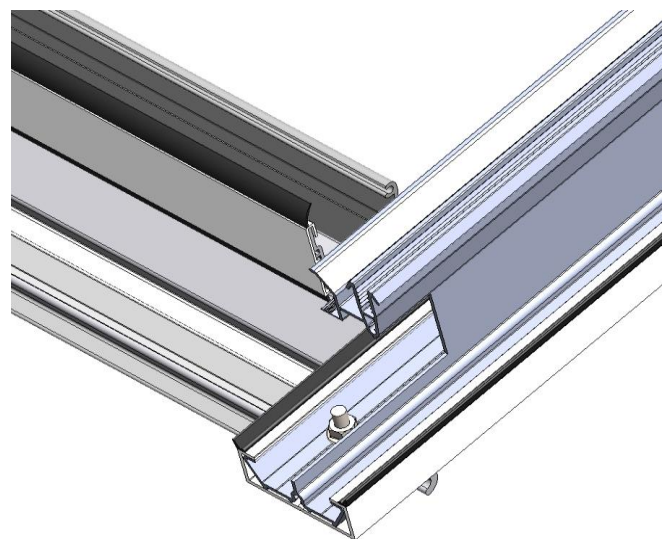
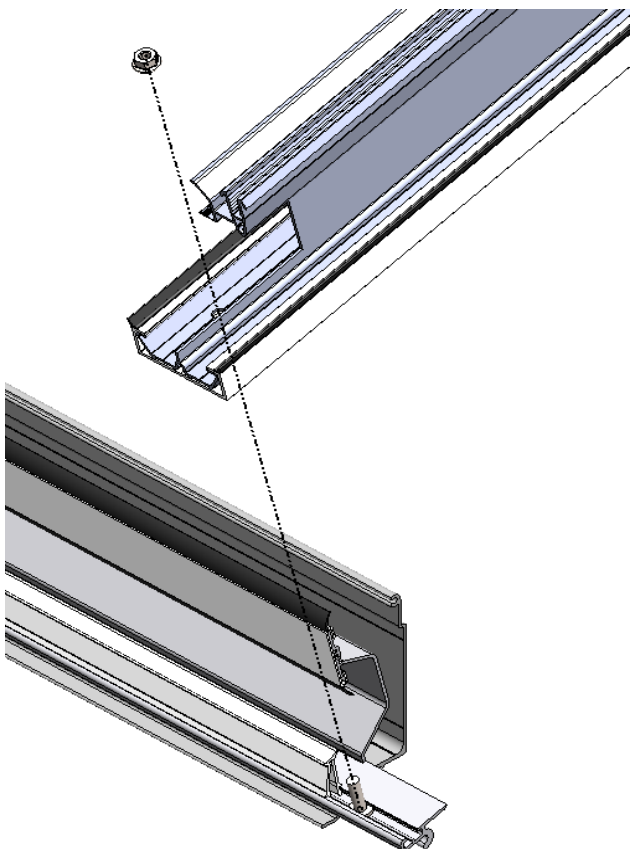
LZFX0020



LZFX0018



Position the notched wall bar onto the two wallplates as shown securing in place with M6 flange nuts. This should then be secured to the host wall as detailed in Mono-pitch Guide: Section 3.08, pages 22-23

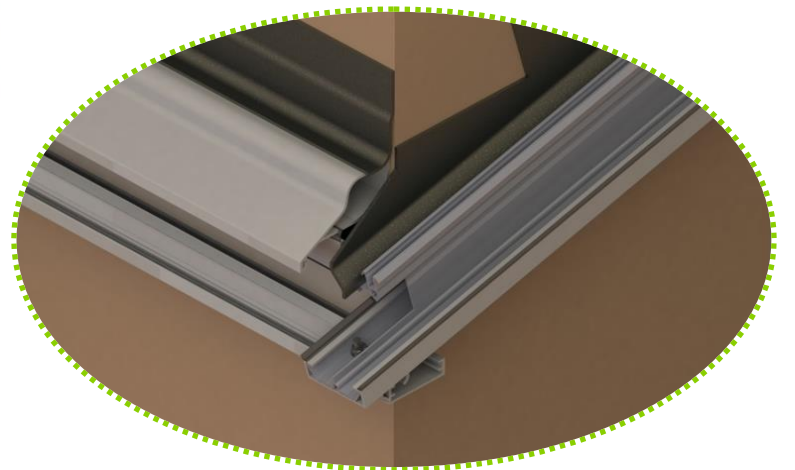
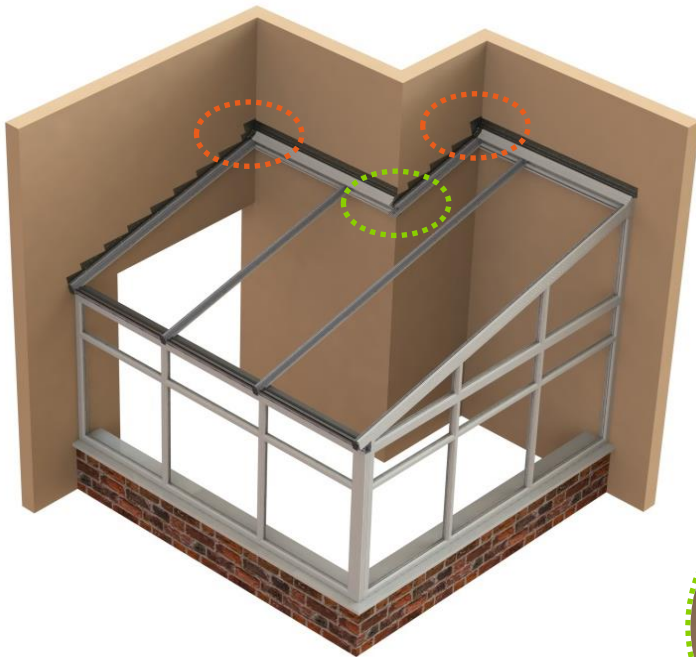




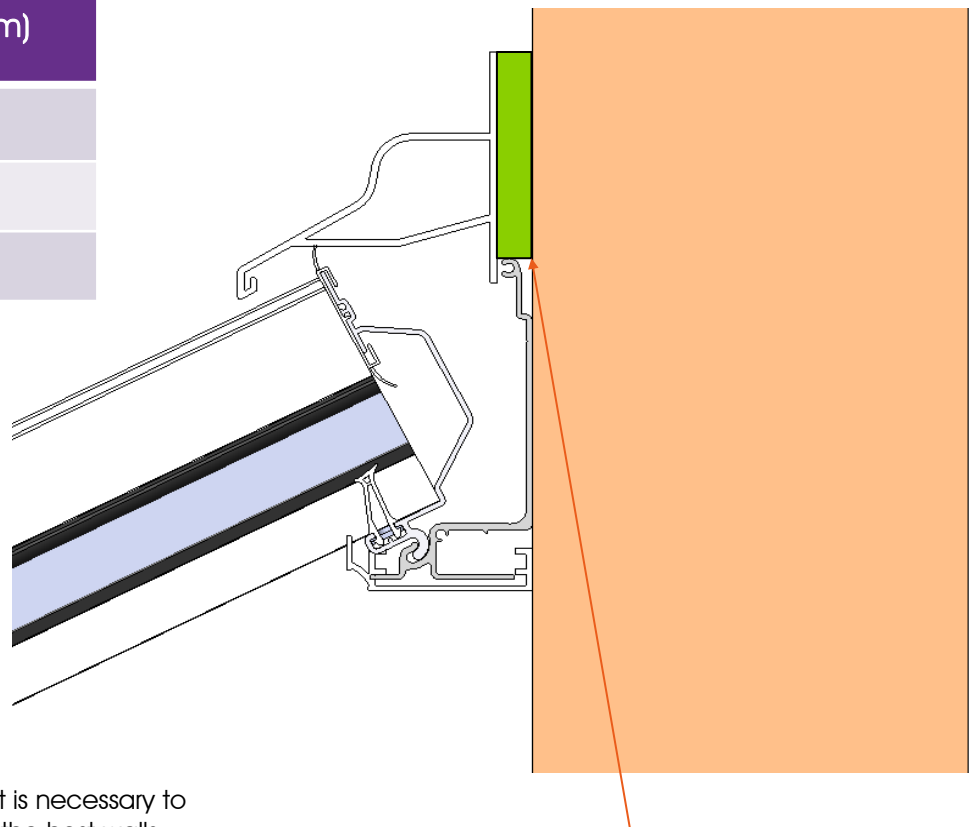


**4.07 Transom bar Assembly**  
Mono-Pitch Guide: Section 3.09, pages 24-25

**4.08 Wallplate Top Cover Assembly and Flashing**  
Mono-Pitch Guide: Section 3.11, pages 28-29  
Mono-Pitch Guide: Section 3.12, pages 30-31

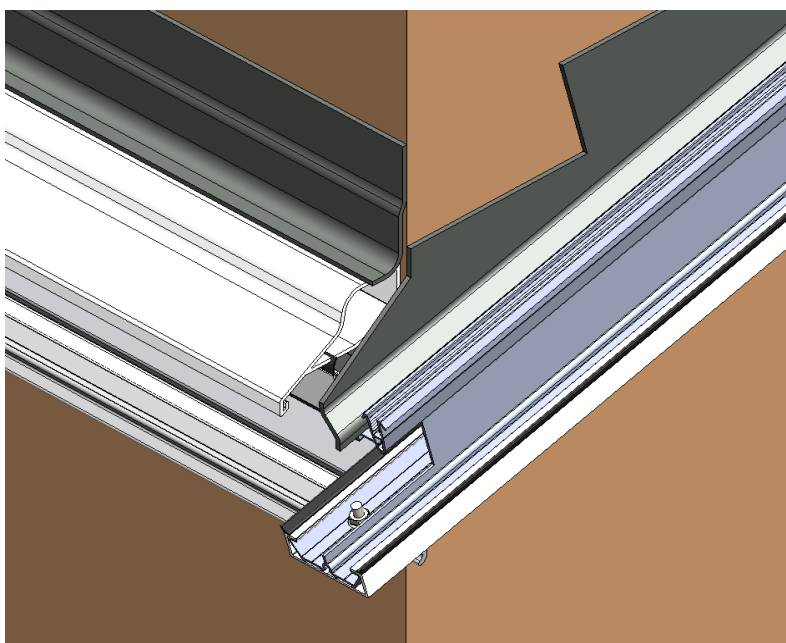


Pitch °	Depth of packer (mm)
<27	N/A
27 - 33	12
>33	24

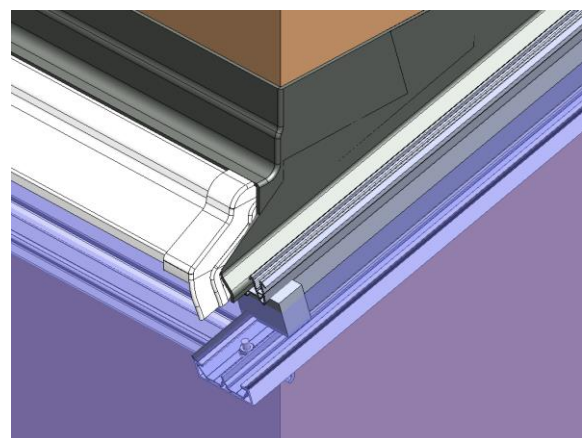


For pitches of 27 degrees and greater it is necessary to pack off the wall plate top covers from the host walls. This can be done with timber. Secure the wallplate top cover in place as detailed in Mono-Pitch Guide: Section 3.11, pages 28-29. The wallplates and wall bars can then be flashed. At this point the flashing should not be dressed over the end of the wallplate at the end where the notched components meet (as shown below) This will be done at a later stage after the glazing panels and caps are fitted.

Timber packer required between wallplate top cover and wall at roof pitches 27° and greater.



Flashing to be dressed over the end of the wallplate after the glazing panels and caps are fitted.

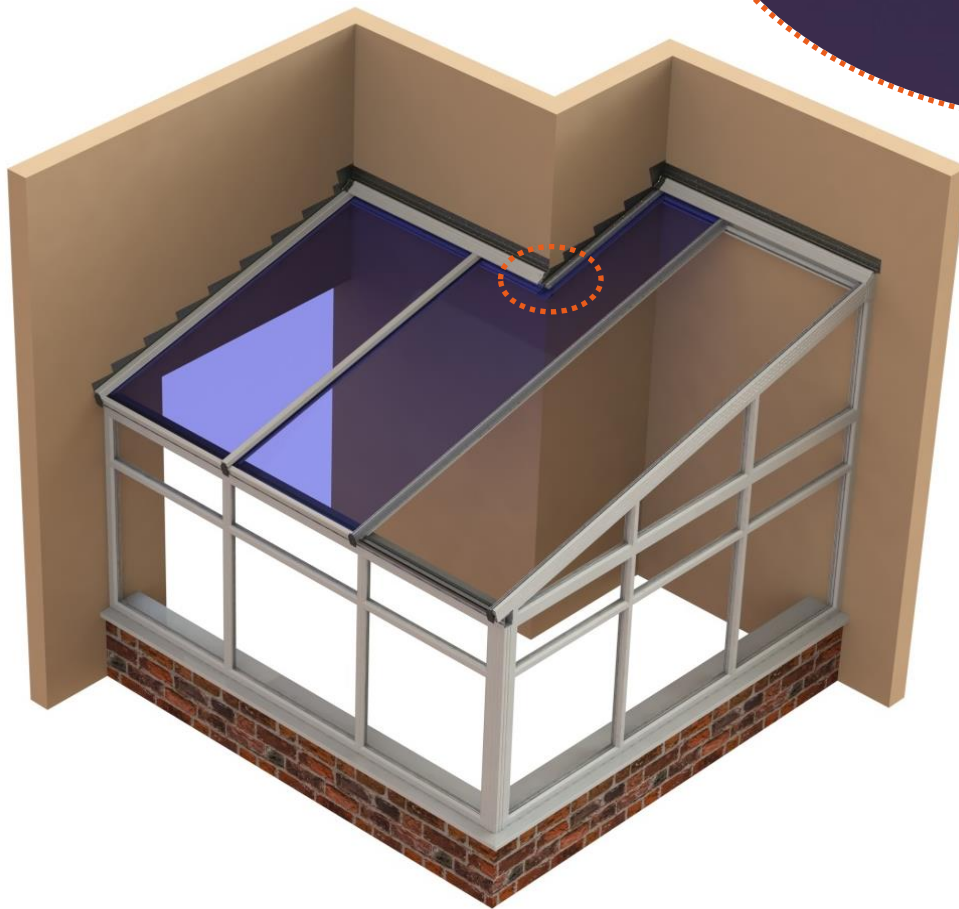
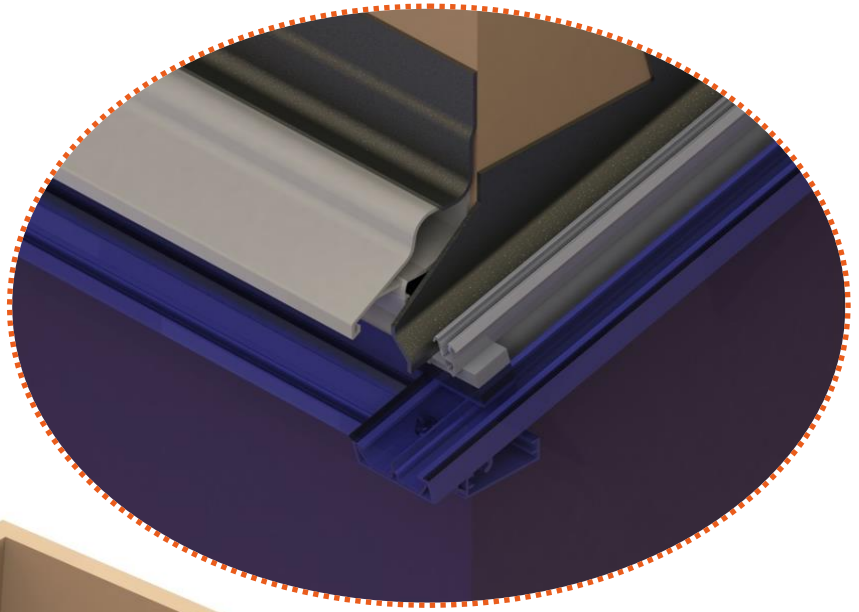


# 4.09 – Glazing Assembly 1

For Glazing Panel and top cap installation see:

Mono-Pitch Guide: Section 3.13, pages 32-33

Mono-Pitch Guide: Section 3.14, pages 34-35



## Related Components ...



LZSU0095



24mm Glazing  
(Typically glass)



25mm Glazing  
(Typically polycarbonate)



32mm Glazing  
(Typically polycarbonate)



LZPE0028



LZPE0041



LZPE0045



LZPE0042

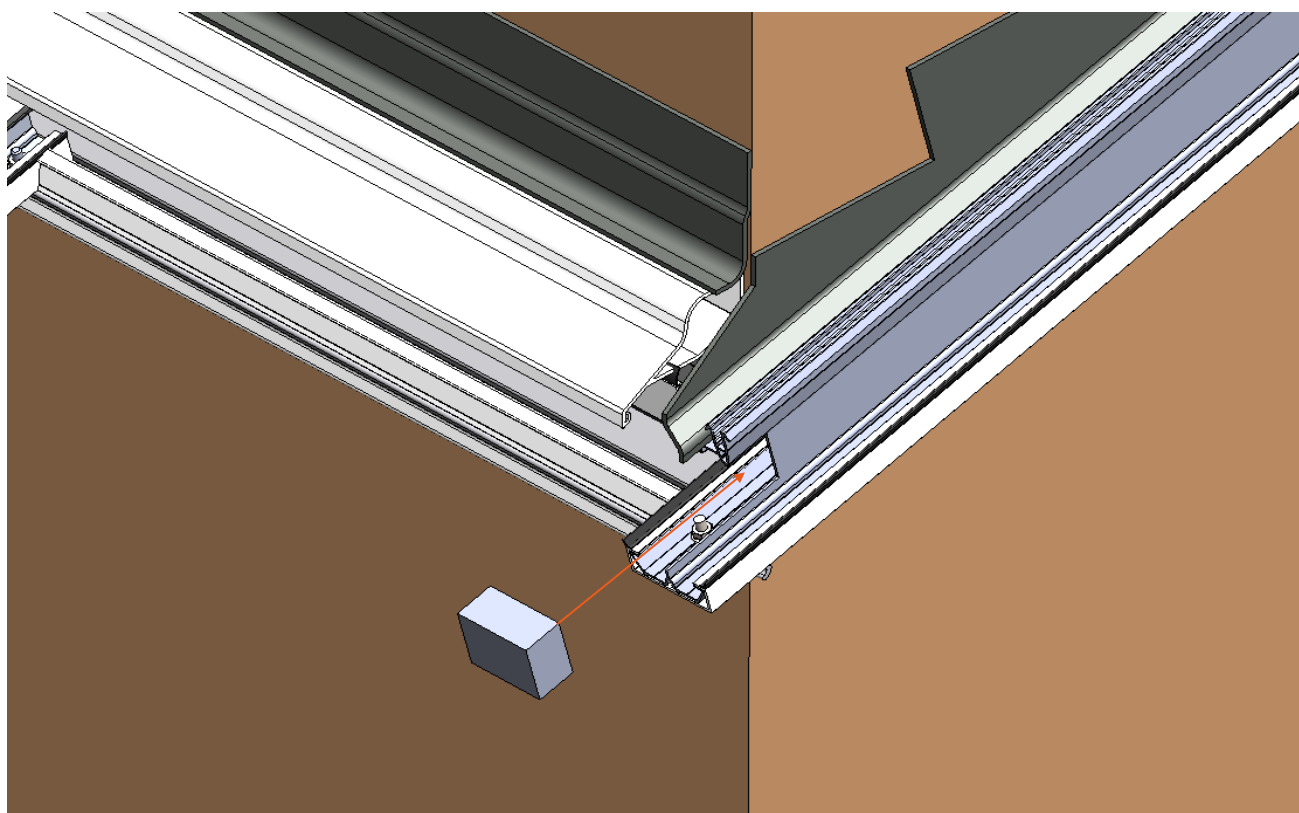


LZPE0046

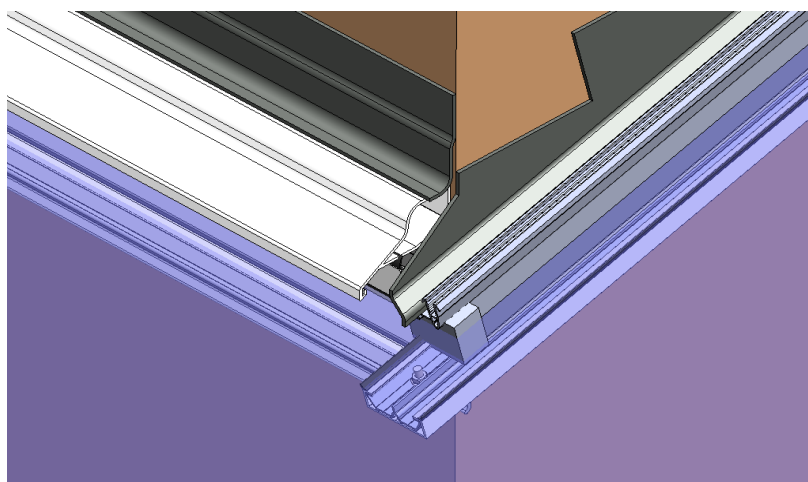


LZPE0043

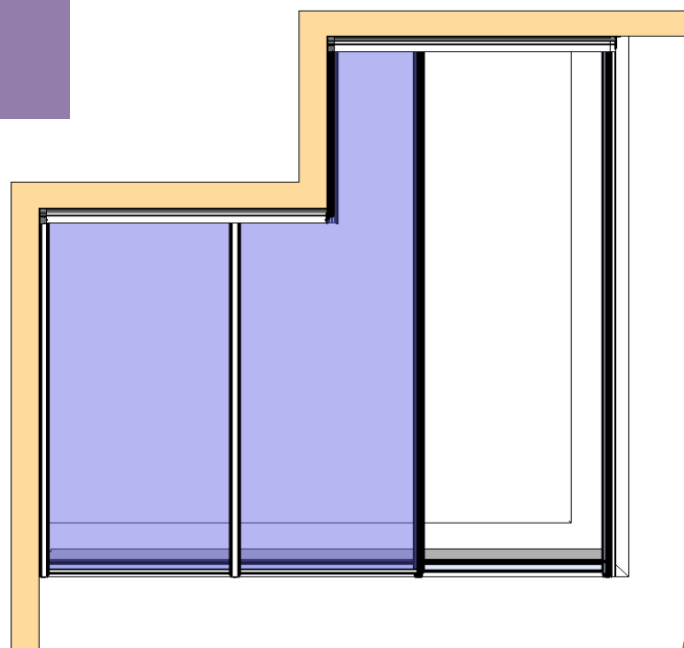




Insert the cut-out foam seal (LZSU0095) into the notched area at the end of the wall bar. Ensure it is pushed up to the fascia trim of the wallplate.

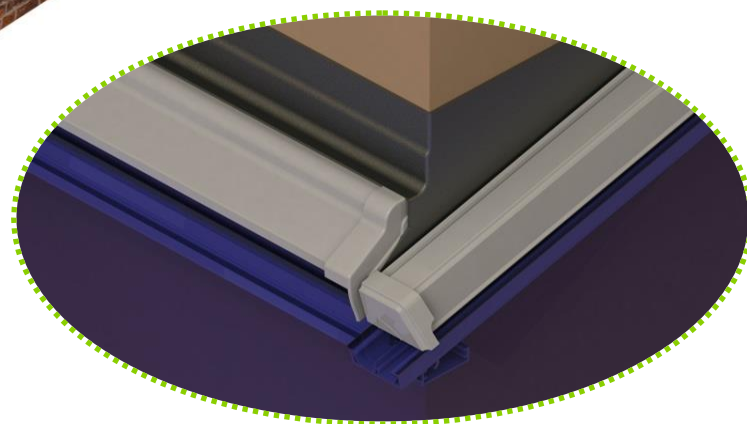
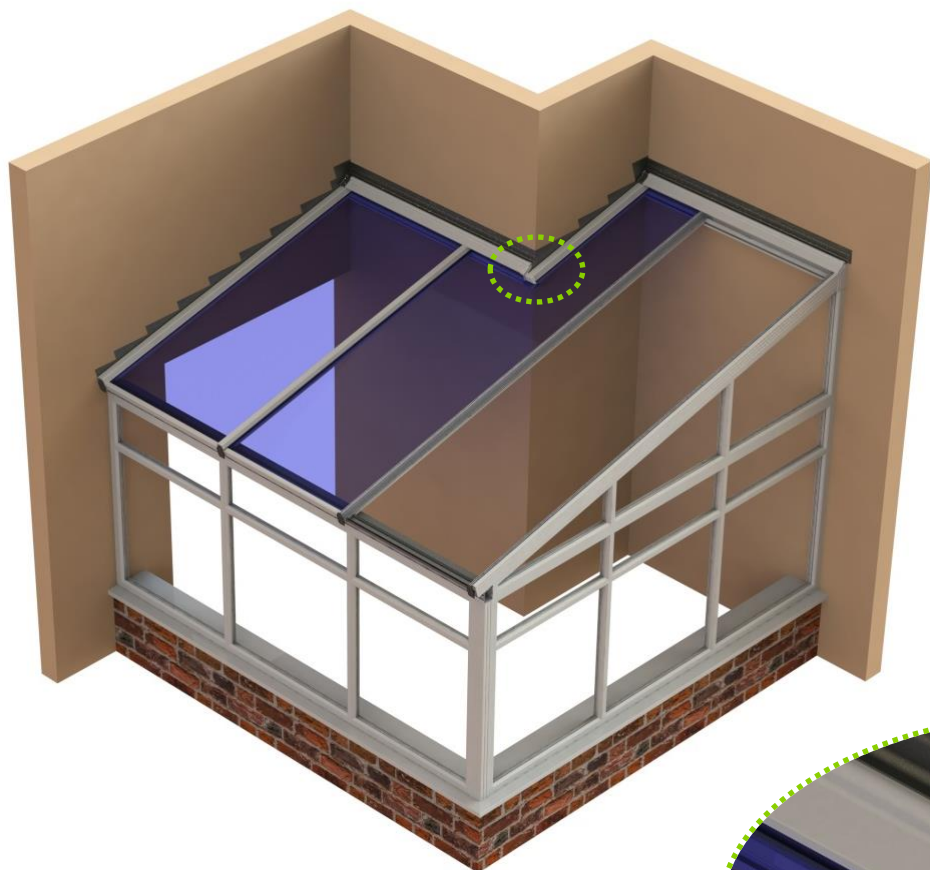
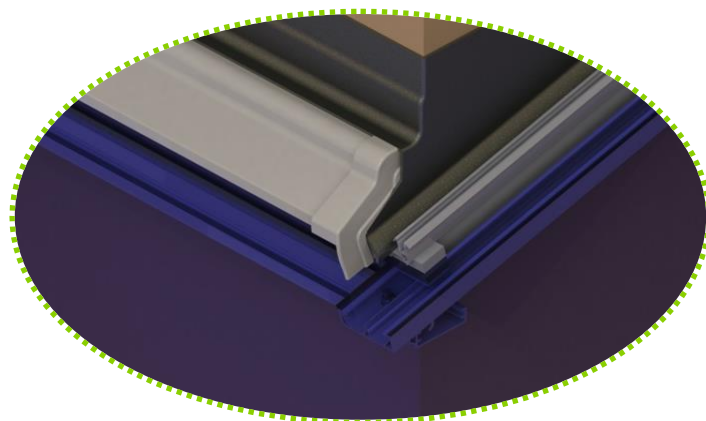


The glazing panels can then be fitted up to and including the cut-out glazing panel. Glazing retainer trims and top caps can then be fitted.



## 4.10 – Cut-out End Caps Assembly

End caps are to be cut down and fitted to the ends of the wallplate and wall bar in the cut-out area.



### Related Components ...



LZMP0053



LZMP0054



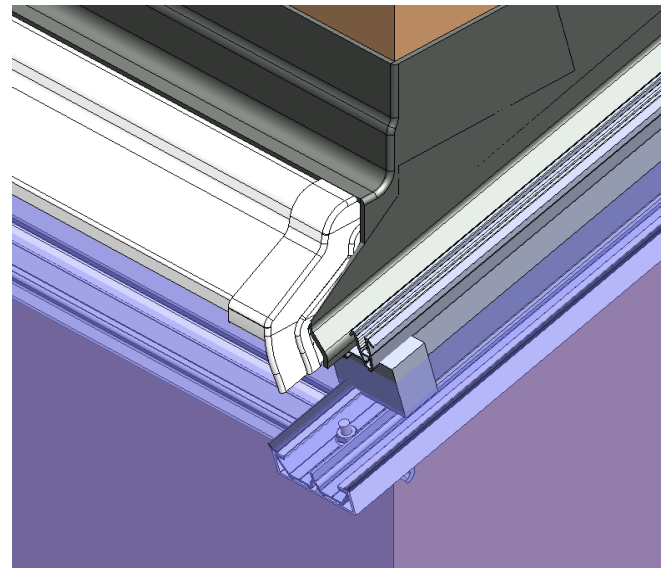
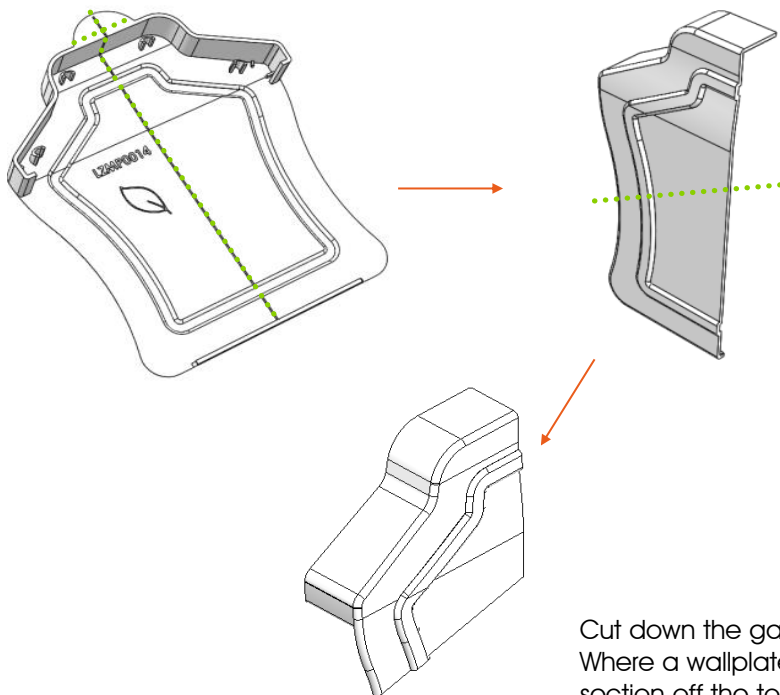
LZMP0014



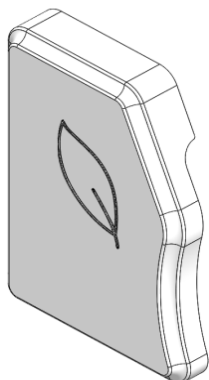
LZPE0045



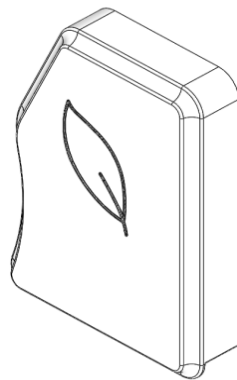
LZPE0046



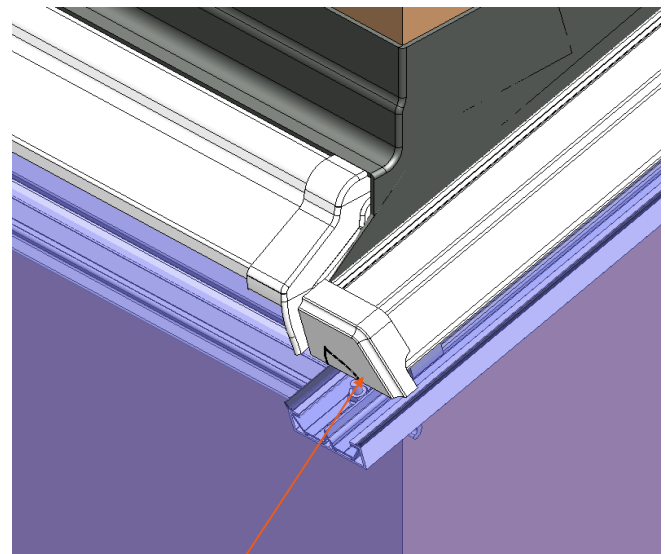
Cut down the gable end plate using the line down the back as a guide. Where a wallplate is used you will also need to cut the semi circular section off the top. This needs to be cut down to match the pitch of the roof and cap off the end of the wall plate. This is then fitted to the end of the wallplate cover and sealed along the mating edge using an appropriate sealant. The flashing can then be dressed over the gable end plate.



LZMP0053

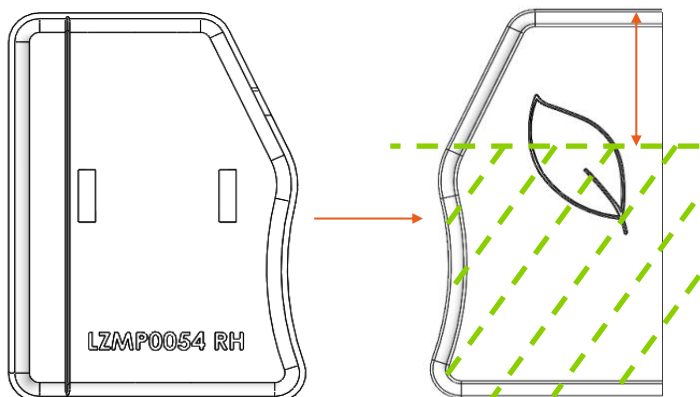


LZMP0054



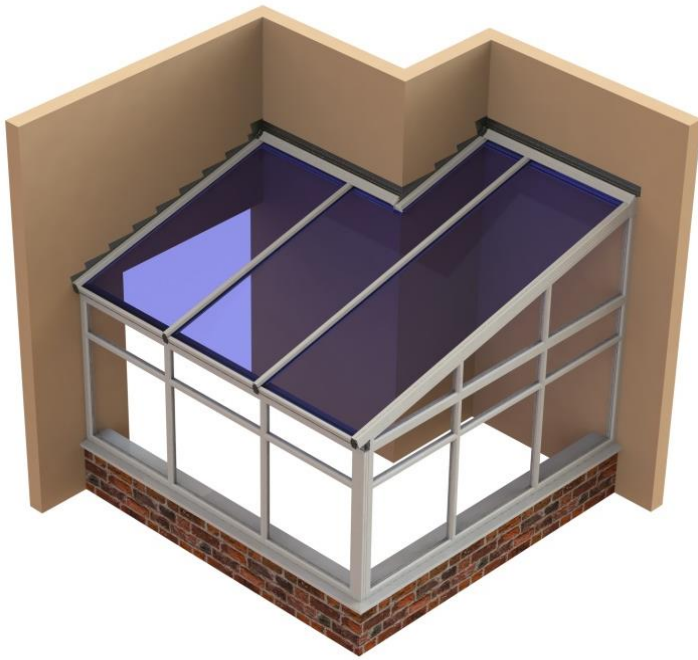
Cut-out right: use LZMP0053

Fit the wall bar top cap (LZPE0045/46). Cap off the end of the wall bar end cap using a wall/end bar end cap (LZMP0053/54).



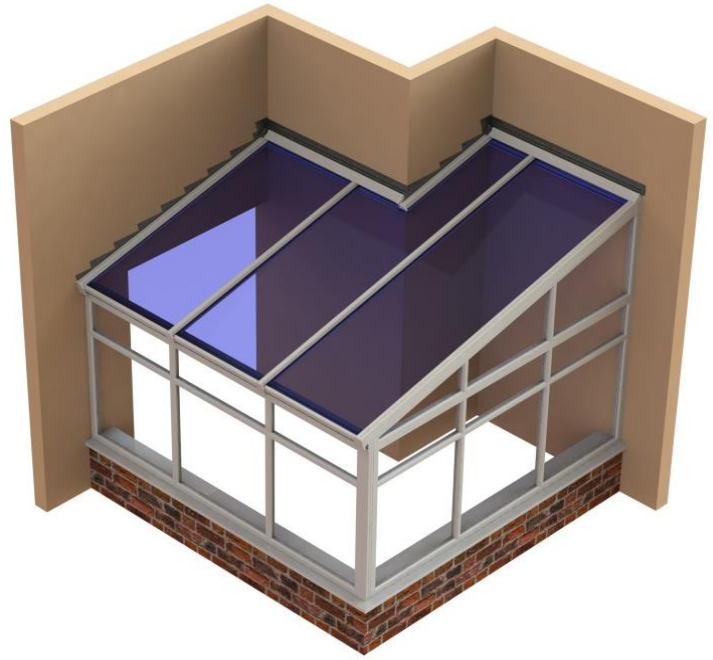
LZMP0054 RH





### 4.11– Glazing Assembly 2

Mono-Pitch Guide: Section 3.13, pages 32-33  
Mono-Pitch Guide: Section 3.14, pages 34-35



### 4.12– Roof Bar End Cap Assembly

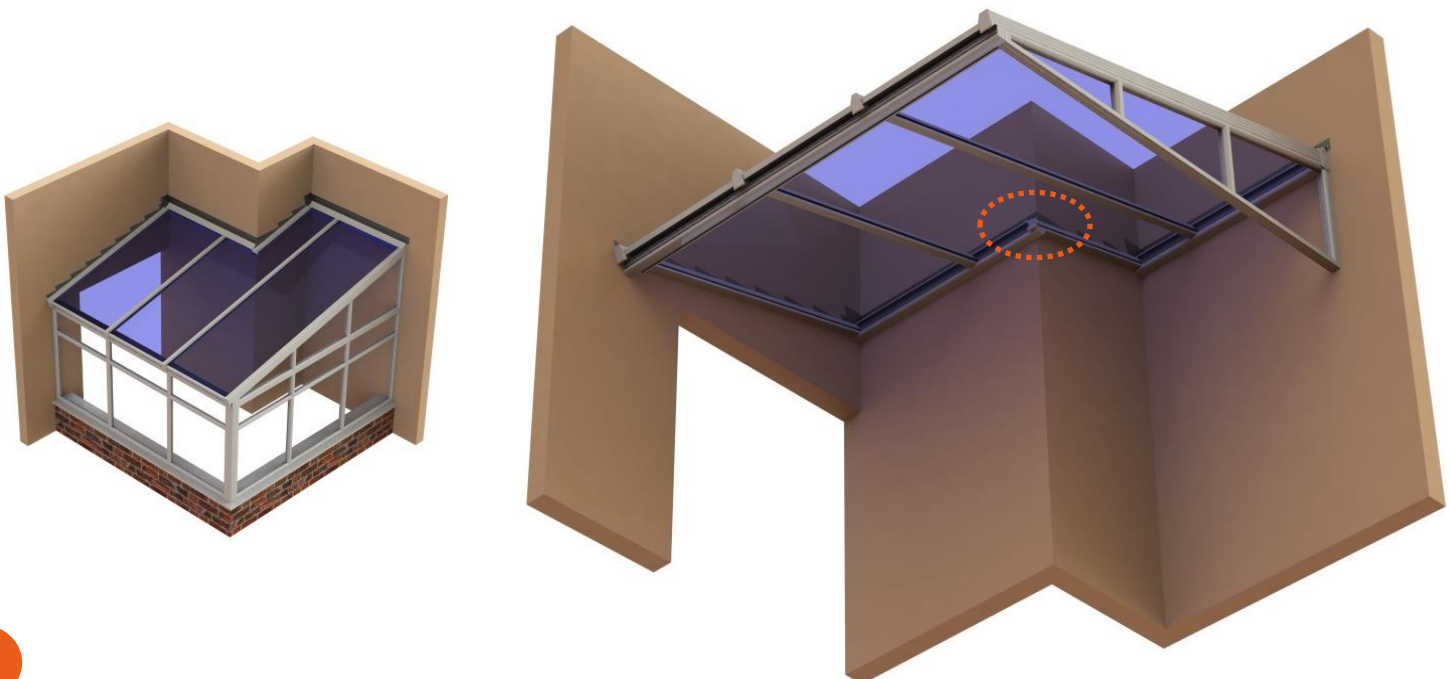
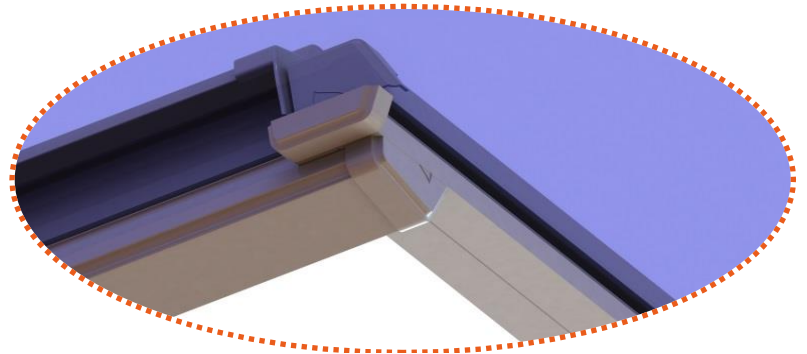
Mono-Pitch Guide: Section 3.15, pages 36-37

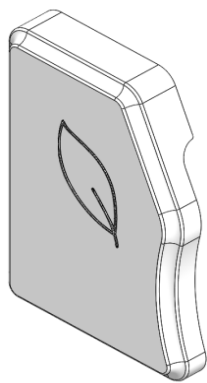
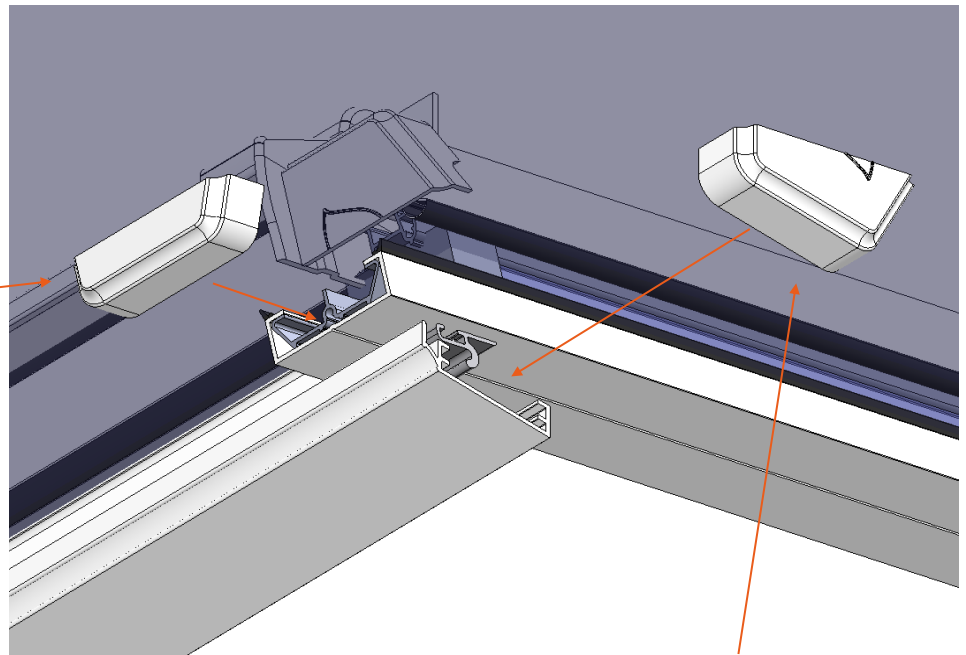
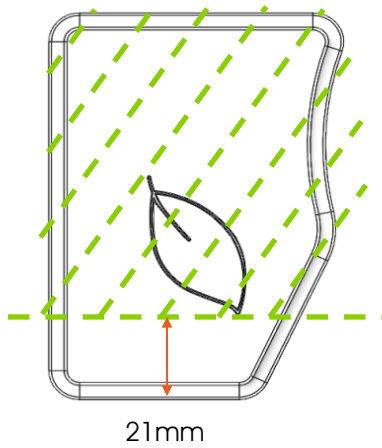
### 4.13– Internal Eaves/Ridge Trims Assembly

This section details trimming of end caps for the wallplate undercap (LZPE0024) and the wall bar bottom cap (LZPE0007/08).

For internal eaves and wallplate trims installation see:

Mono-Pitch Guide: Section 3.16, pages 38-39



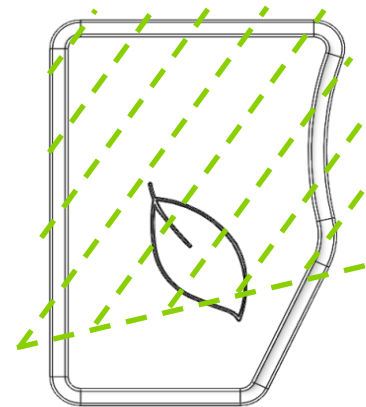


LZMP0053

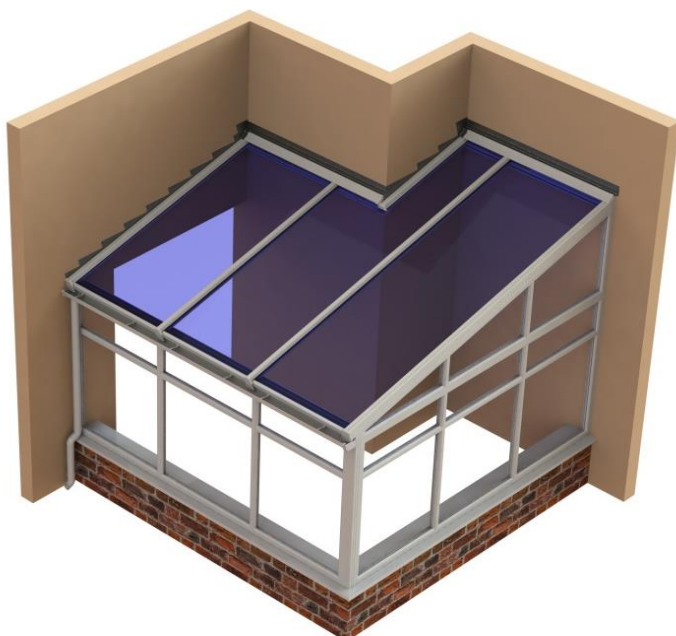


LZMP0054

Cut down wall/end bar end caps (LZMP0053/54) and use to cap off wall bar and wall plate as shown above. For Left cut-outs use LZMP0053, for Right cut-outs use LZMP0054.

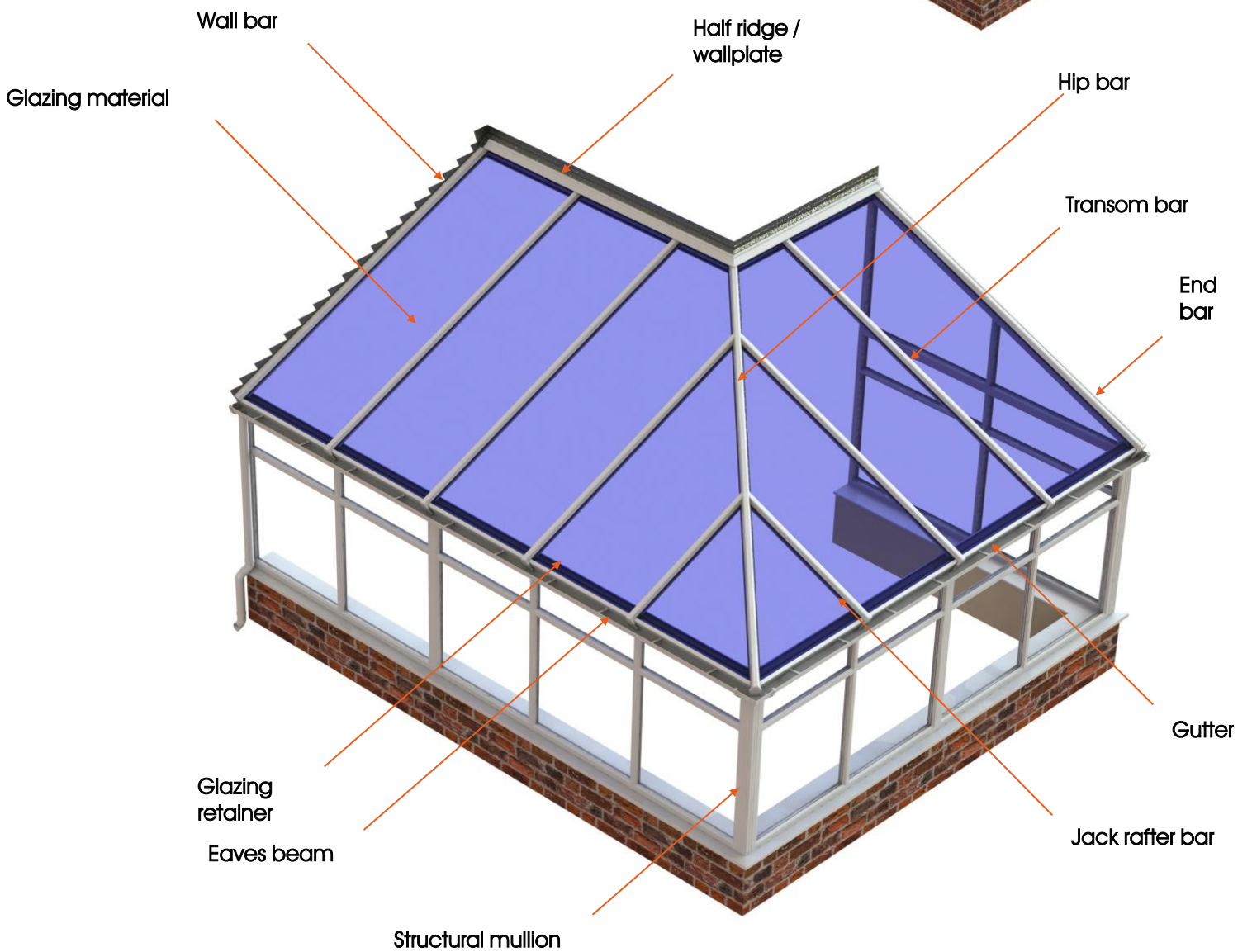
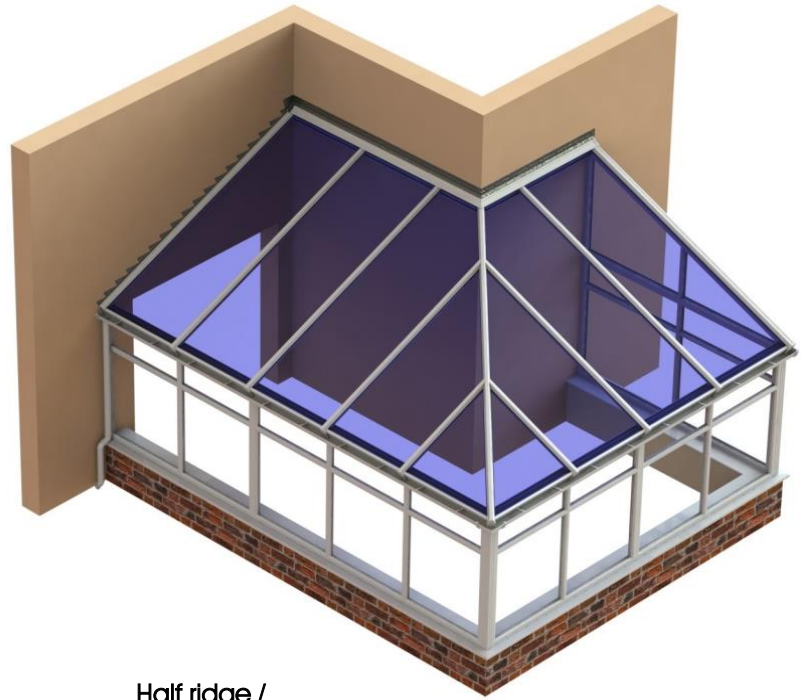


**4.14- Guttering Assembly**  
Mono-Pitch Guide: Section 6.00, pages 58-59



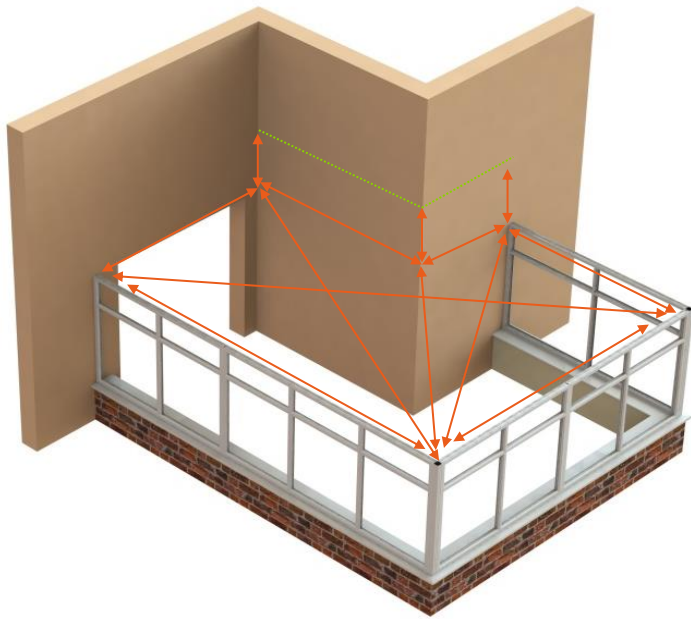
# 5.00 – L-Shape Roof Assembly

This section of this guide shows the assembly steps for an L-Shape roof and makes reference to the Linar Roof Installation Guide (Mono-Pitch) .

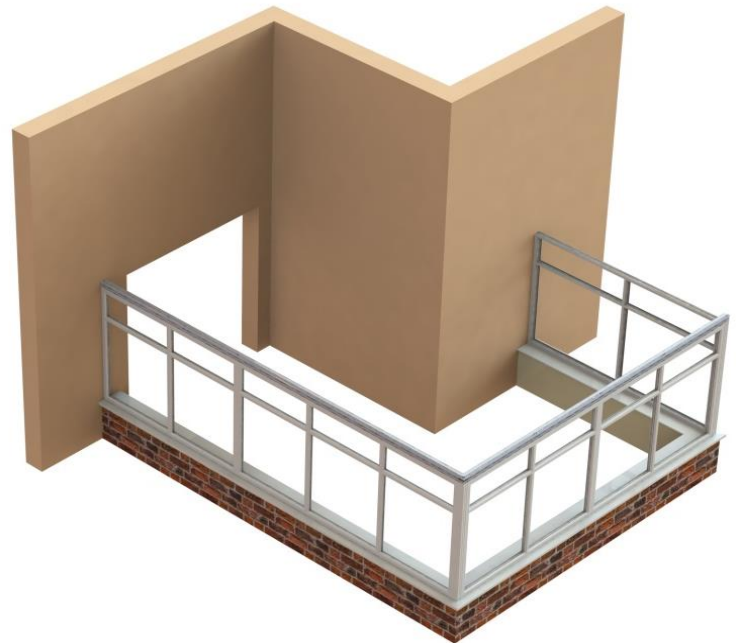


*\*Additional structural mullions may be required\**

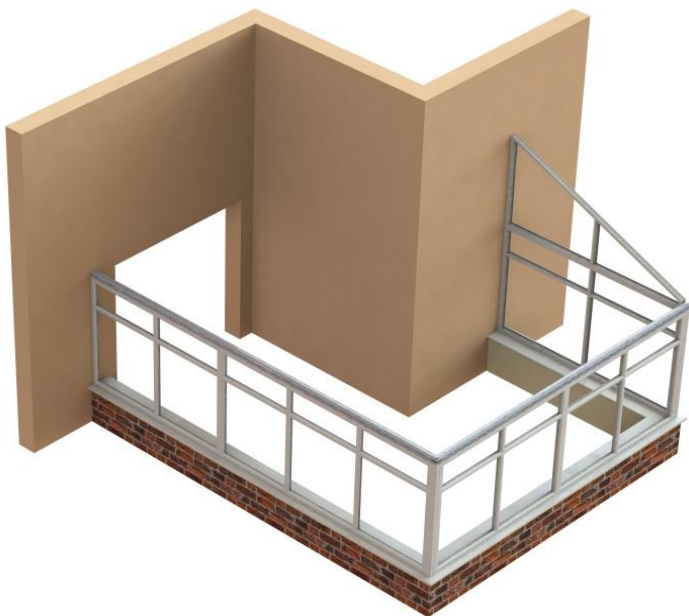




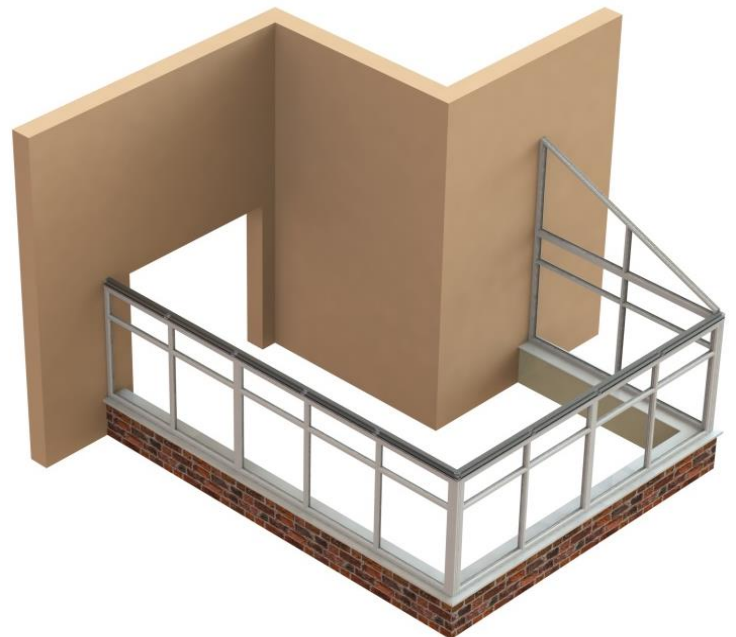
**5.01 Preparation and Wallplate scribing**  
 Mono-Pitch Guide: Section 3.00, pages 6-7  
 Mono-Pitch Guide: Section 3.01, pages 8-9



**5.02 Eaves Beam Assembly**  
 Mono-Pitch Guide: Section 3.02, pages 10-11



**5.03 Raked Frame Notching and Assembly**  
 Mono-Pitch Guide: Section 3.03, pages 12-13  
 Mono-Pitch Guide: Section 3.04, pages 14-15



**5.04 Glazing Retainer Assembly**  
 Mono-Pitch Guide: Section 3.05, pages 16-17

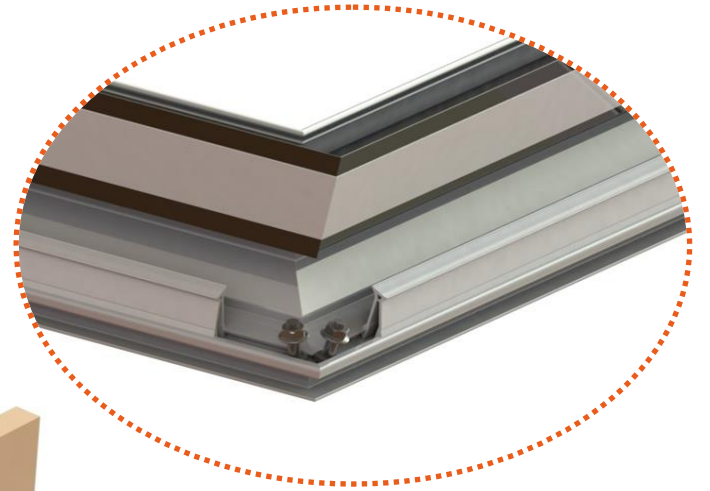
## 5.05 – Wallplate / Half Ridge Assembly

This section details the joining and fitting of two wallplates / half ridges used to fit a roof around an external corner of a wall.

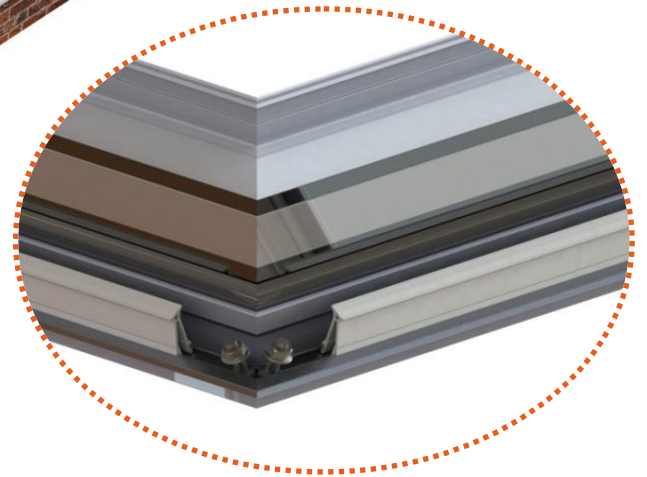
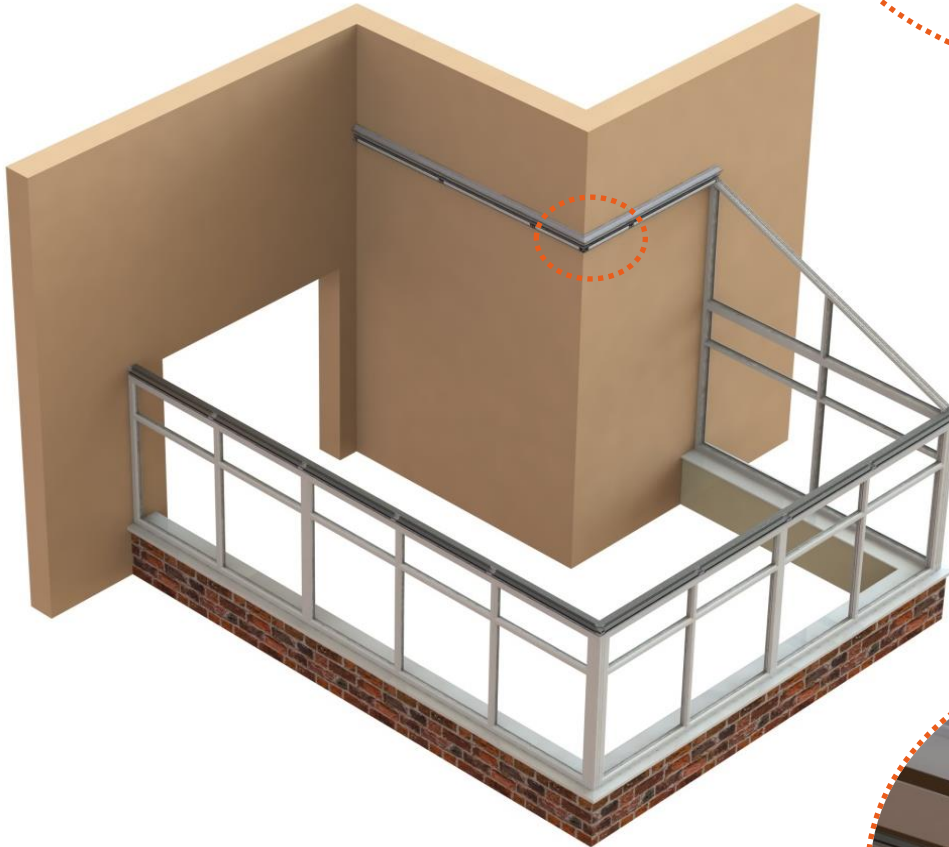
For further details of wallplate / half ridge assembly see:

Mono-Pitch Guide: Section 3.06, pages 18-19

Mono-Pitch Guide: Section 3.07, pages 20-21



Wallplate Assembly



Half Ridge Assembly

### Related Components ...



Wallplate Assembly



Half Ridge Assembly



LZPE0012



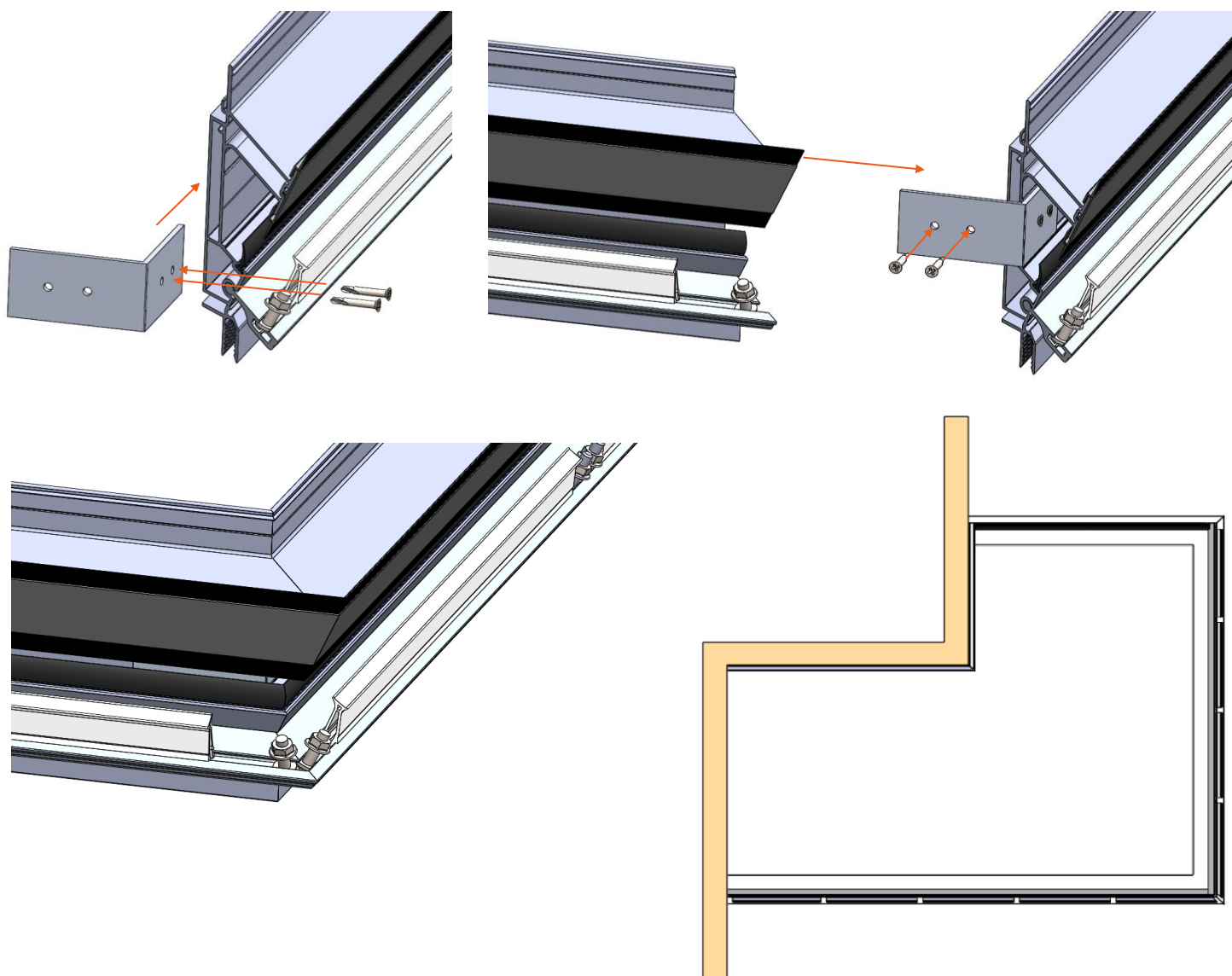
Vertical Cleats



LZFX0004

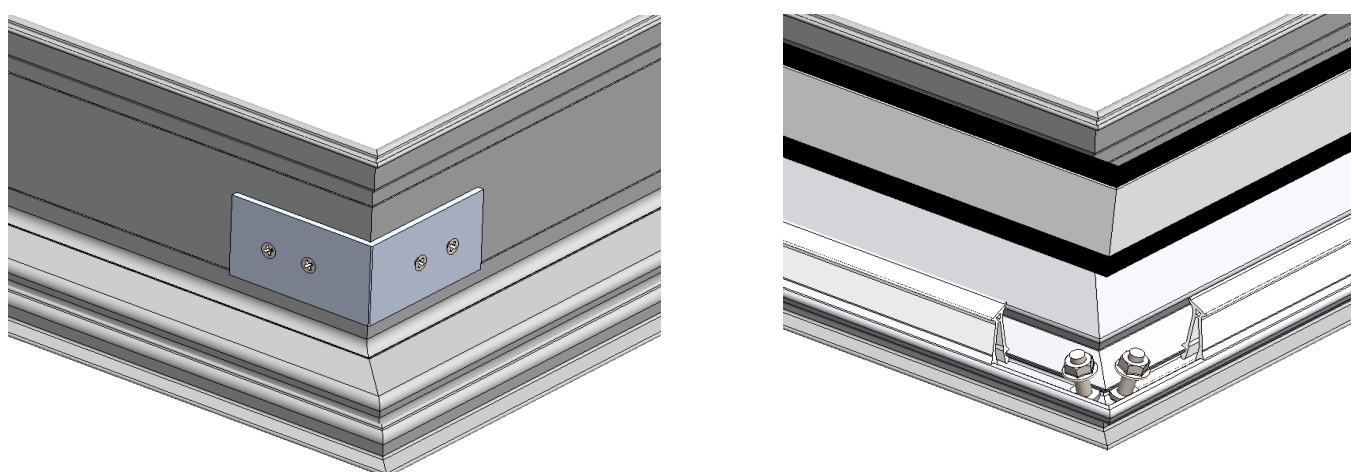
## Half Ridges

Fix half ridges (LZAL0073) together using cleats and screws . Once fixed together secure both half ridges to the walls.

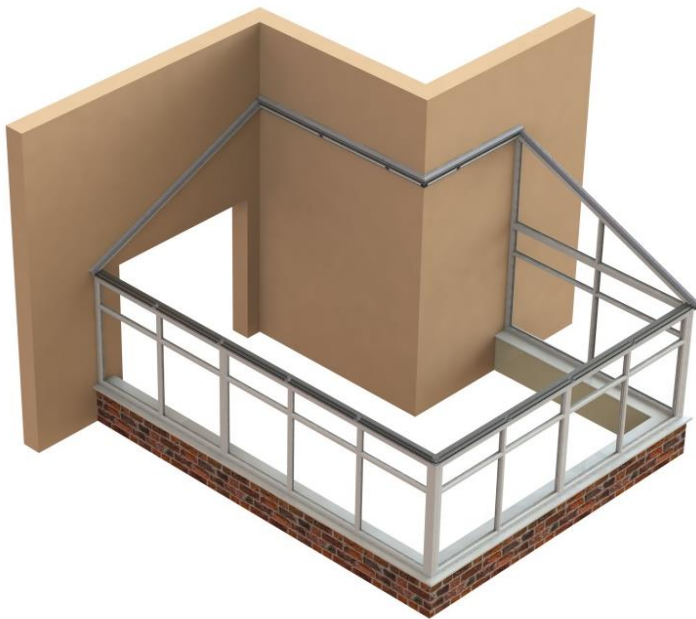


## Wallplates

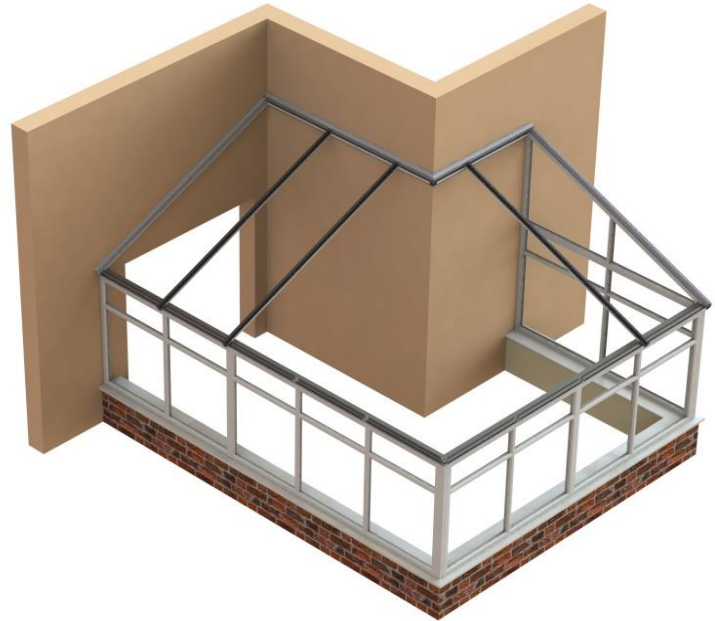
Remove wallplate wings and fix the wallplates (LZAL0016) together using cleats and screws. Secure both wallplates to the walls and then refit the wallplate wings.



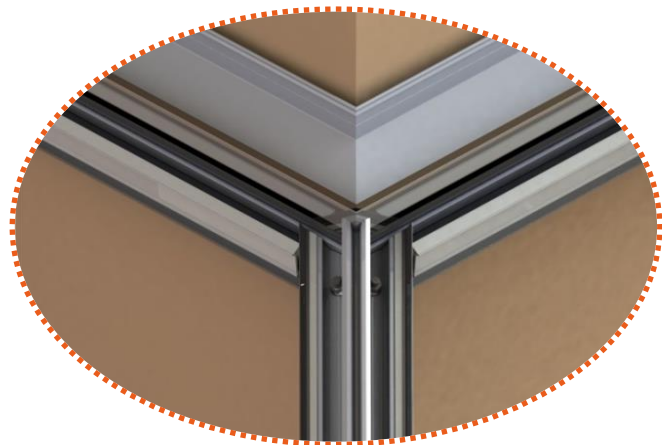




**5.06 – Wall / End Bar Assembly**  
Mono-Pitch Guide: Section 3.08, pages 22-23



**5.07 – Transom Bar Assembly**  
Mono-Pitch Guide: Section 3.09, pages 24-25



**5.08 – Hip Bar and Jack Rafter Bar Assembly**

This section details the installation of a hip bar at the corner of the wallplate / half ridge on an L-shape roof. For details of jack rafter assembly see :

Mono-Pitch Guide: Section 5.04, pages 46-47

**Related Components ...**



Hip Bar 'Bird Mouth' Cut



Jack Rafter Bar



M6 Seat Washer



LZFX0001



M6 Washers



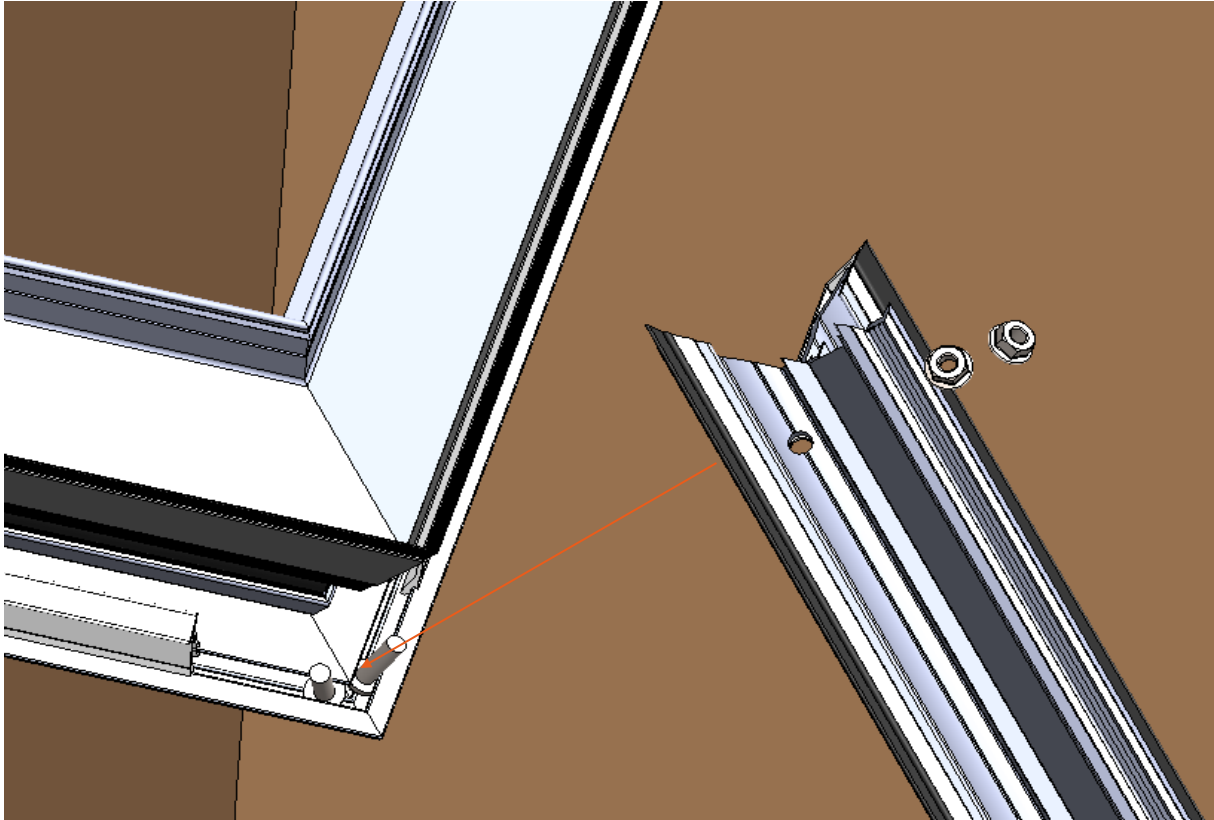
LZFX0018



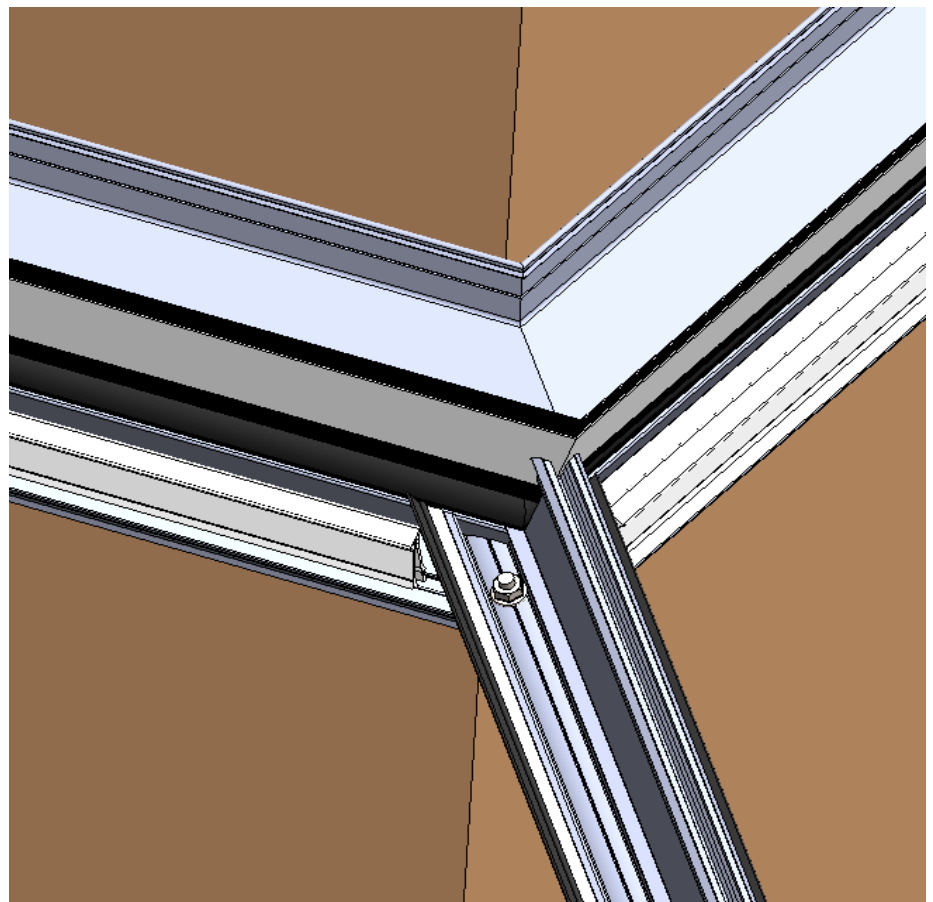
LZFX0023



LZFX0020



Fix the 'bird mouth' cut end of the hip bar at the corner of the wallplates / half ridges, in place using M6 flange nuts. The bottom end of the hip bar is fixed at the corner of the eaves using M6 flange nuts.

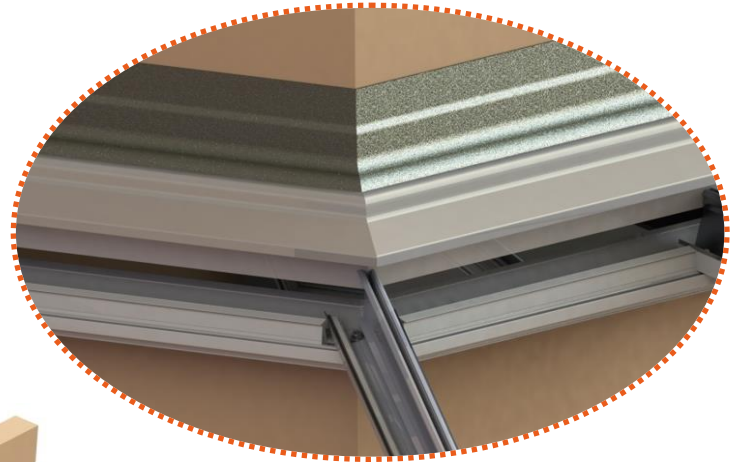


# 5.09 – Wallplate / Half Ridge Cover Assembly and Flashing

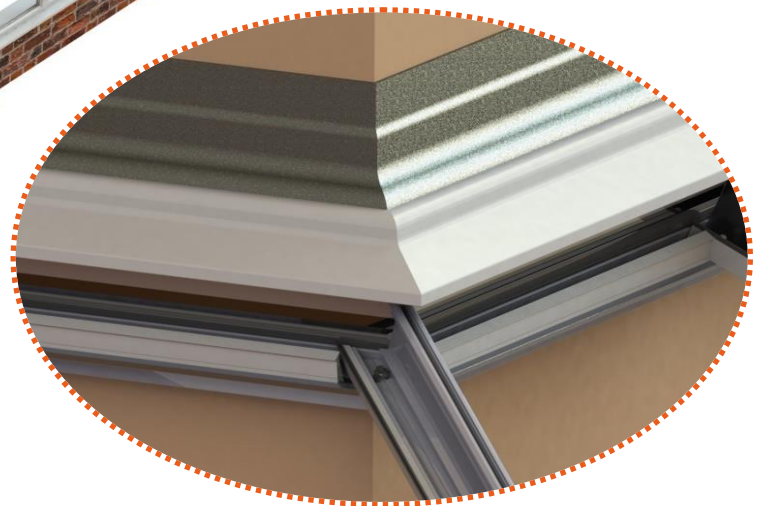
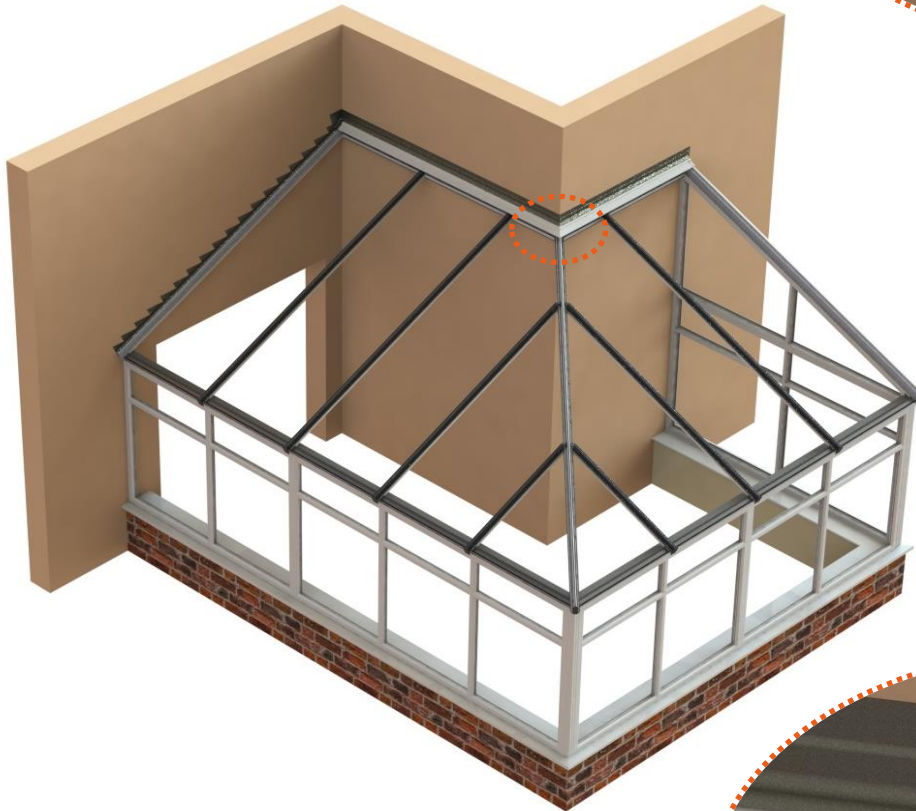
This section details the joining, fitting and flashing of two wallplate / half ridge top caps.

For further details of wallplate / half ridge top cap and flashing assembly see:

- Mono-Pitch Guide: Section 3.10, pages 26-27
- Mono-Pitch Guide: Section 3.11, pages 28-29
- Mono-Pitch Guide: Section 3.12, pages 30-31



Wallplate Assembly



Half Ridge Assembly

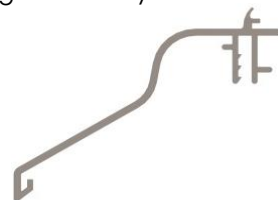
## Related Components ...



Wallplate Assembly

LZPE0021

Half Ridge Assembly



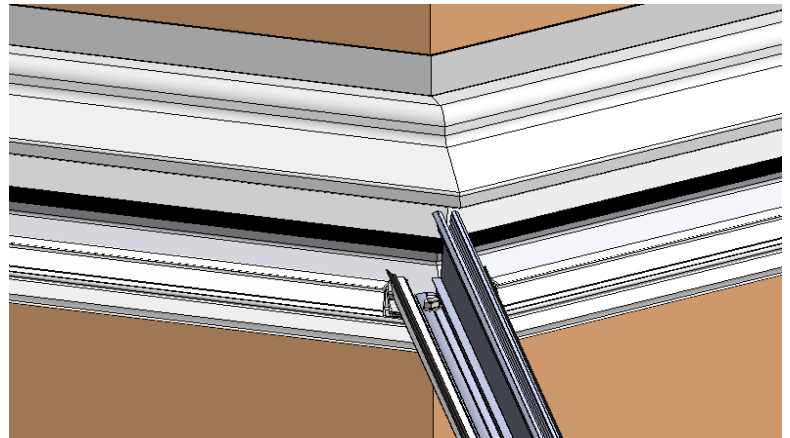
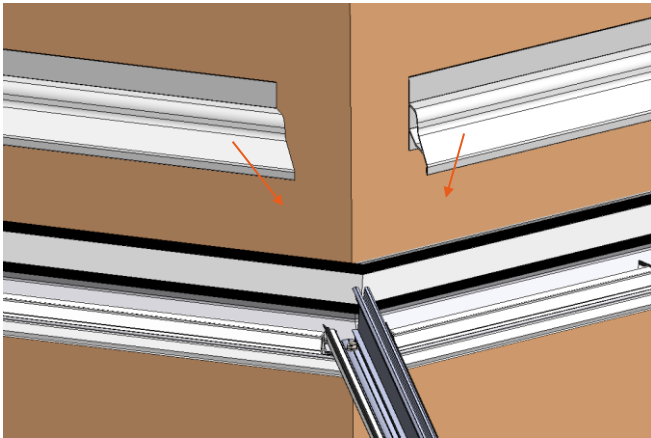
LZPE0011



LZPE0050

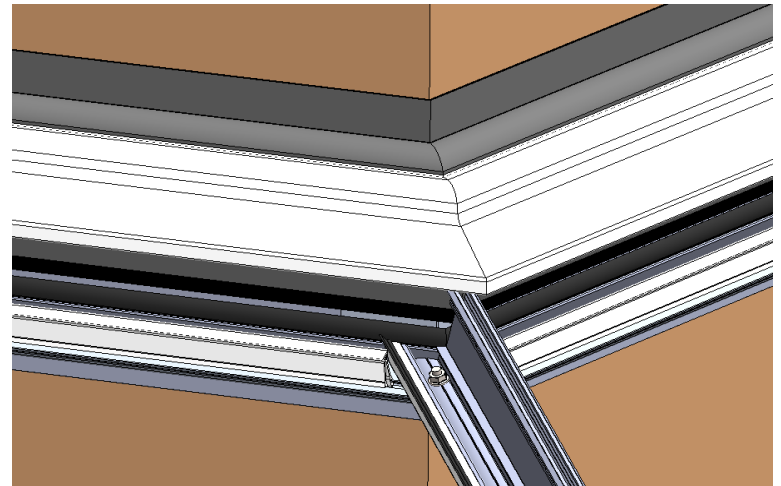
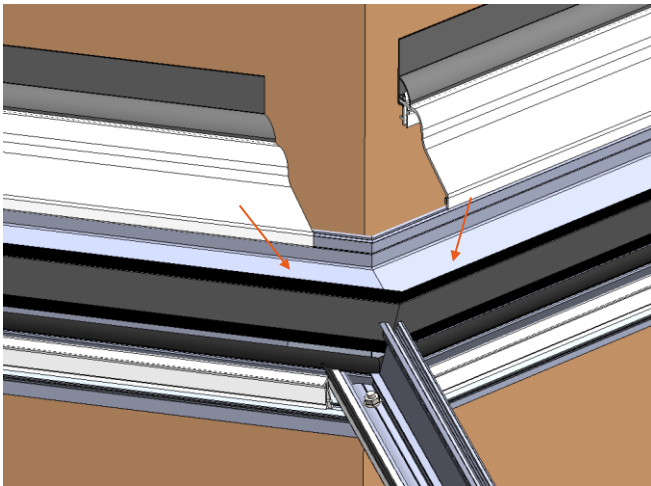


### Wallplate Assembly



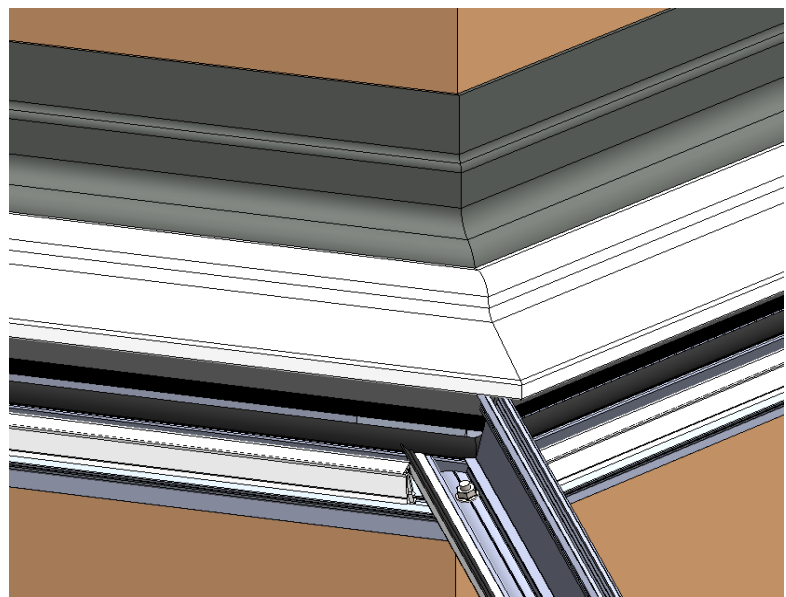
Wallplate covers are mitre cut. Fix one of the top covers in place and then align the other applying an appropriate adhesive such as Stelmax to the mating edges. Fix the other top cover in place.

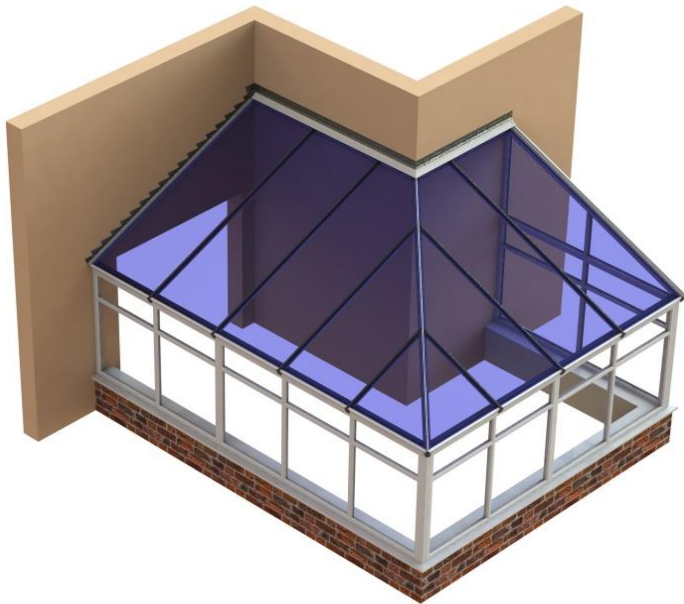
### Half Ridge Assembly



Half Ridge covers are mitre cut. Fix one of the top covers in place and then align the other applying an appropriate adhesive such as Stelmax to the mating edges. Fix the other top cover in place.

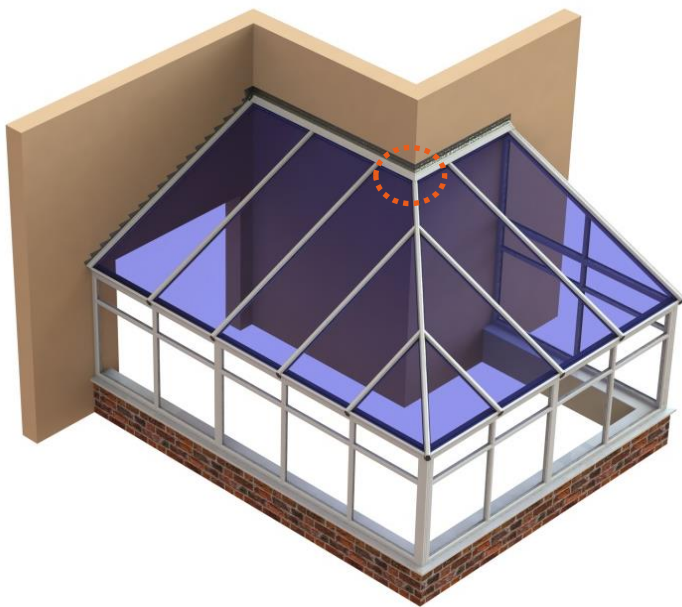
Once fixed in place, flash over the top cover flashing trims.





**5.10 – Glazing Assembly**

Mono-Pitch Guide: Section 3.13, pages 32-33

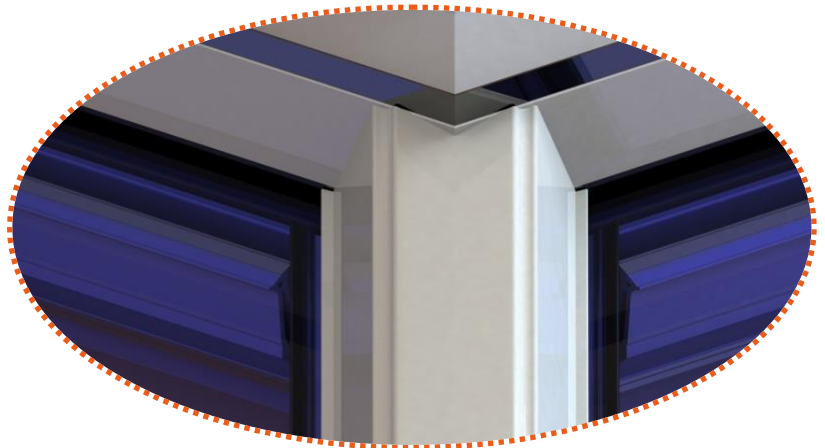


**5.11 – Roof Bar Top Caps Assembly**

This section details the hip bar top cap assembly. For further details of roof bar top cap assembly see:

Mono-Pitch Guide: Section 3.14, pages 34-35

Mono-Pitch Guide: Section 5.06, pages 50-51



The hip bar top cap is cut to a 'bird mouth' at the top end, to fit around the corner of the wallplates / half ridges

**Related Components ...**



HIP BAR TOP CAP  
'BIRD MOUTH' CUT



LZPE0041



LZPE0042



LZPE0043



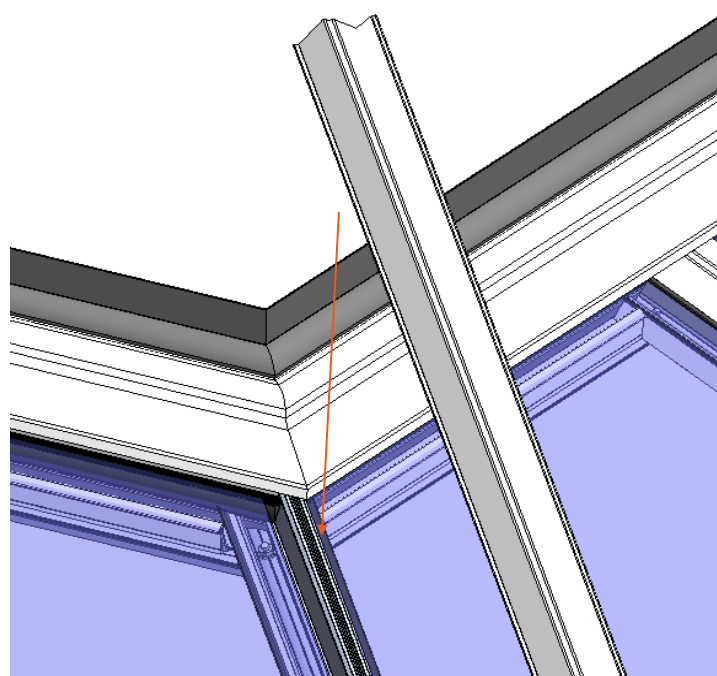
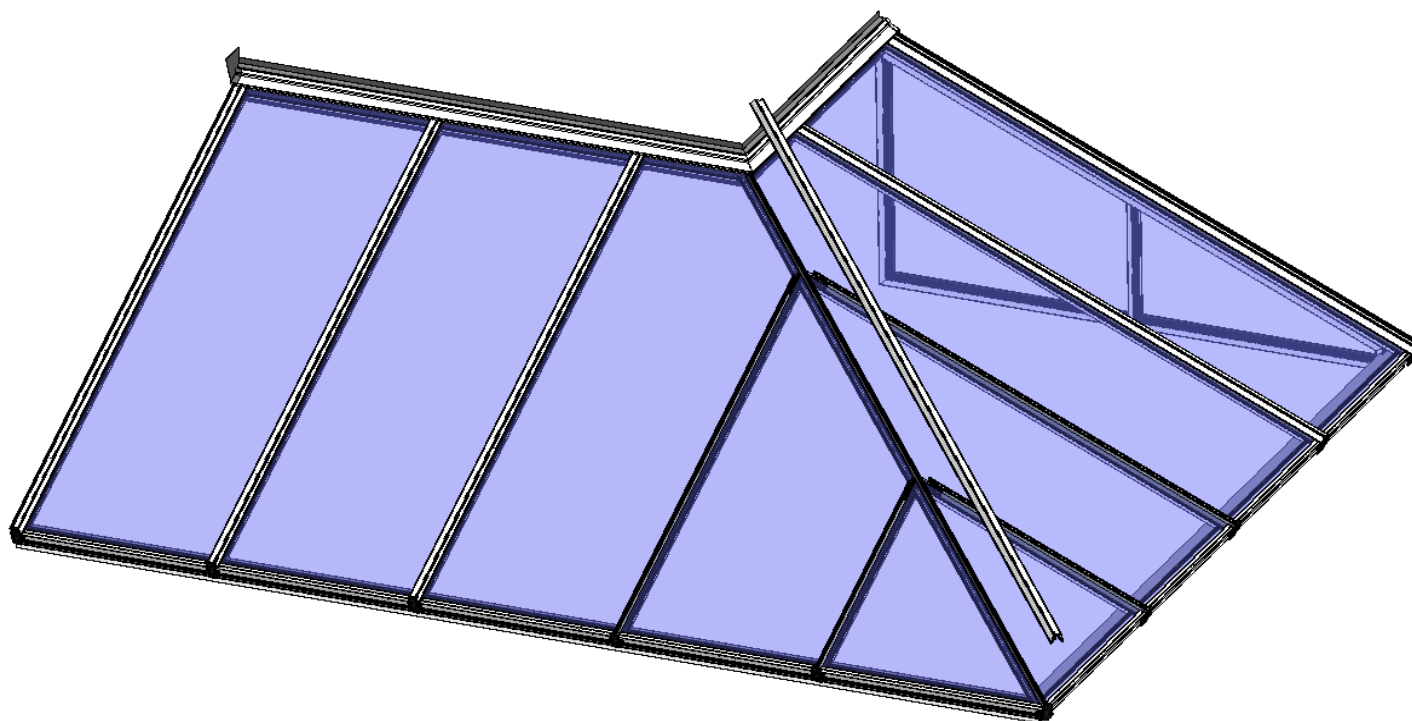
LZPE0044



LZPE0045



LZPE0046



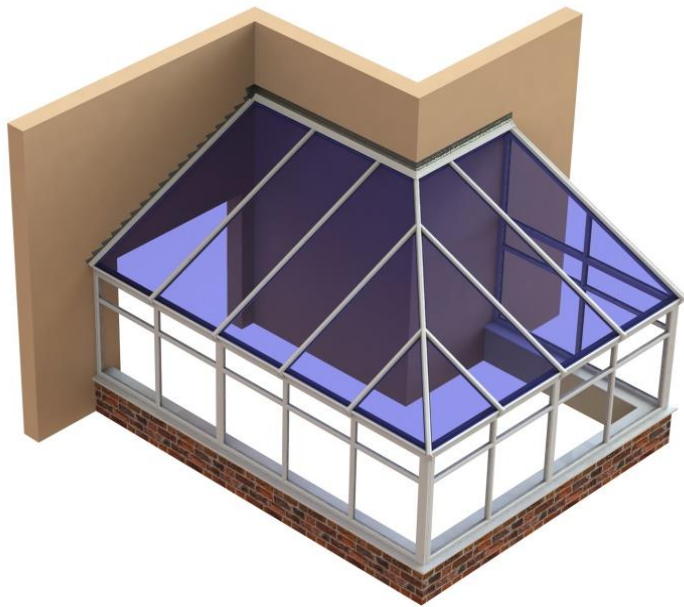
The 'bird mouth' cut top cap is fitted to the hip bar with the bird mouth at the top, fitting around the corner of the wallplate / half ridge.

*\*The half ridge external cover is not shown in this image.\**



Once fitted in place run a continuous bead of an appropriate sealant along the edge of the hip bar top cap that meets the wallplate / half ridge.





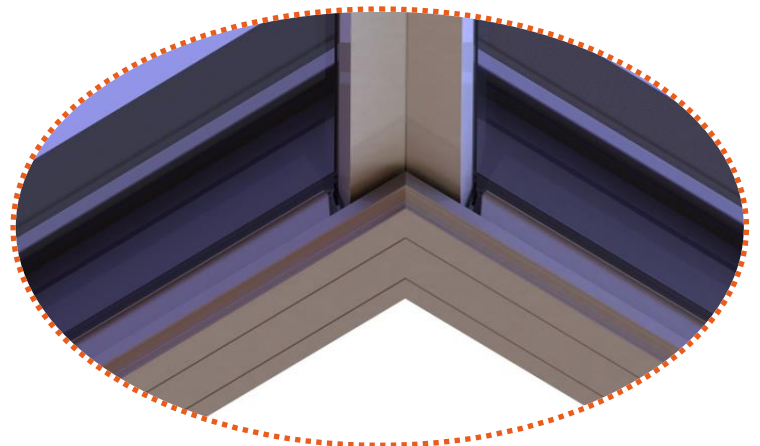
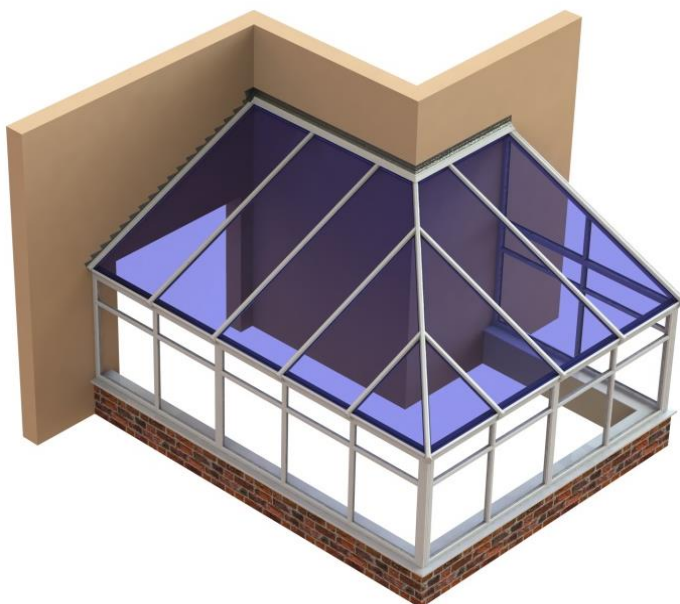
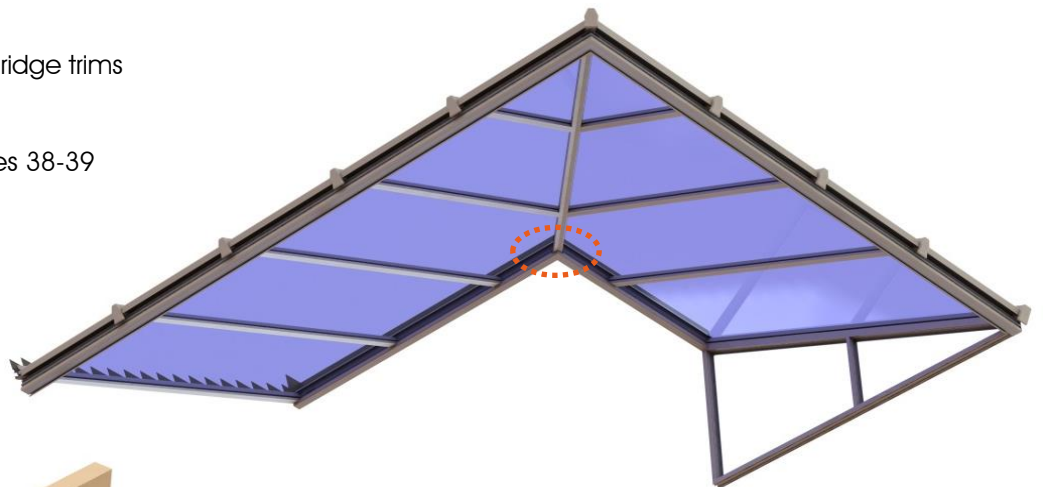
**5.12– Roof Bar End Cap Assembly**  
Mono-Pitch Guide: Section 3.15, pages 36-37

**5.13– Internal Eaves/Ridge Trims Assembly**

This section details the mitred joint of the internal wallplate / half ridge covers.

For internal eaves and wallplate / half ridge trims installation see:

Mono-Pitch Guide: Section 3.16, pages 38-39

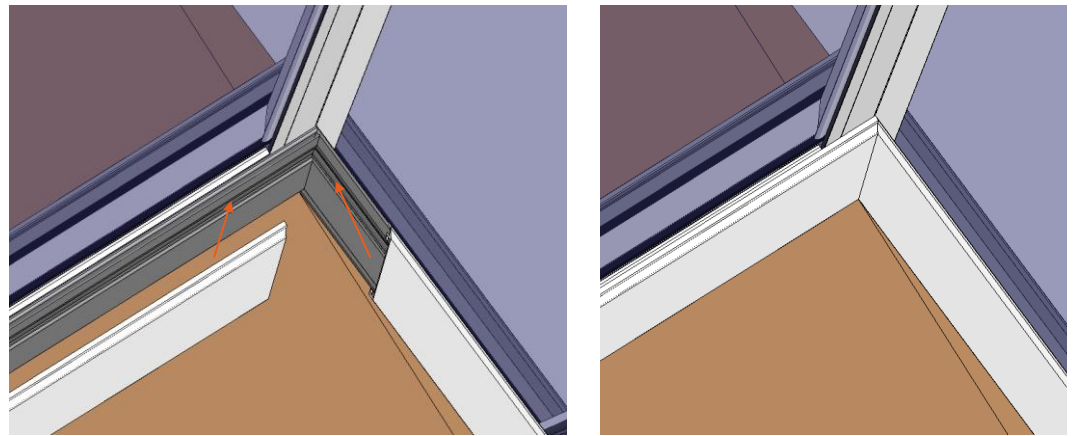


Mitred joint of internal trim.

Wallplate

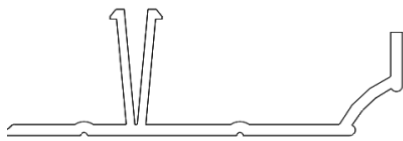


LZPE0024

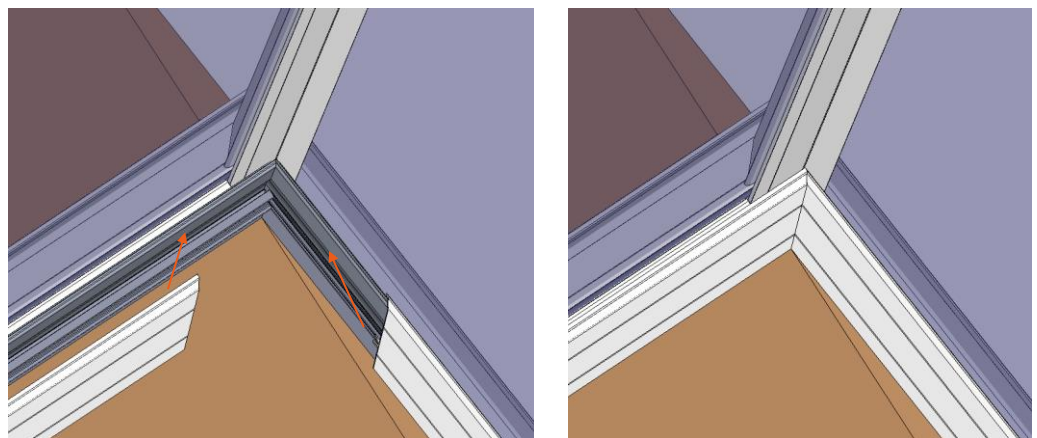


The internal trims for the wallplate / half ridge are mitre cut and butted up to one another at the corner where they meet. Fix one of the internal covers in place and then align the other applying an appropriate adhesive such as Stelmax to the mating edges

Half Ridge

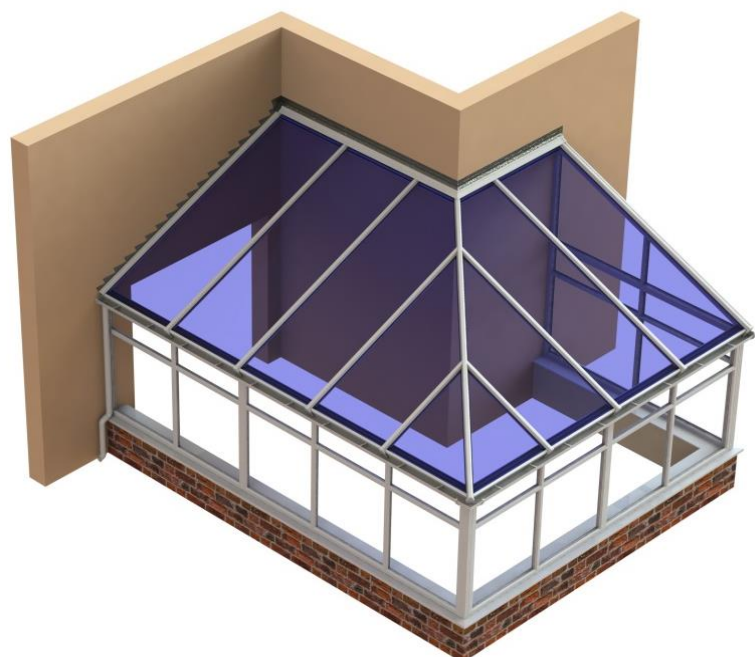


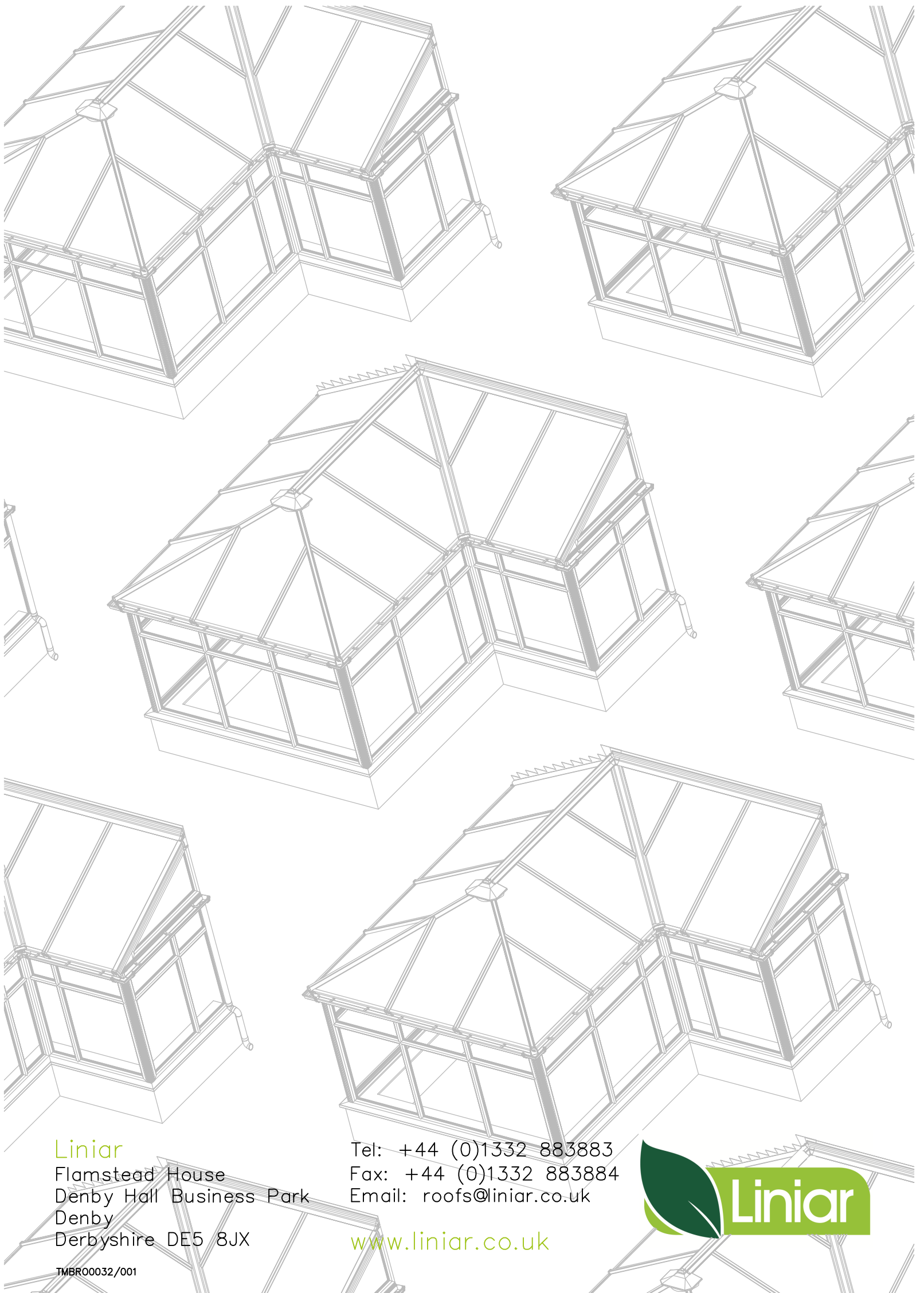
LZPE0010



### 5.14- Guttering Assembly

Mono-Pitch Guide: Section 6.00, pages 58-59





Linlar

Flamstead House  
Denby Hall Business Park  
Denby  
Derbyshire DE5 8JX

TMBR00032/001

Tel: +44 (0)1332 883883  
Fax: +44 (0)1332 883884  
Email: roofs@linlar.co.uk

[www.linlar.co.uk](http://www.linlar.co.uk)

