

Linlar Roof Installation Guide (Duo-Pitch)



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 :

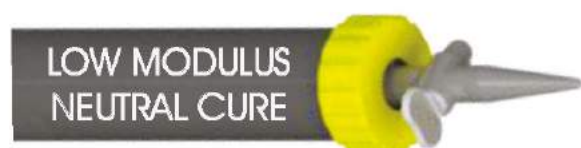
- When unwrapping, take care not to damage products with a knife.
- Always check the components before installing
- PVCu components should not be left out in freezing conditions.
- Do not leave coloured foiled components in their wrapping in direct heat or sunlight.
- Store polycarbonate roof panels 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 dependant on 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 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 and filter by 'Conservatories'.

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.



Hand Saw
Notching frames



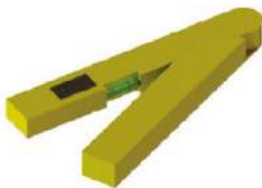
Utility Knife
General use



Clamps
Secure 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
Secure all roof bars



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



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

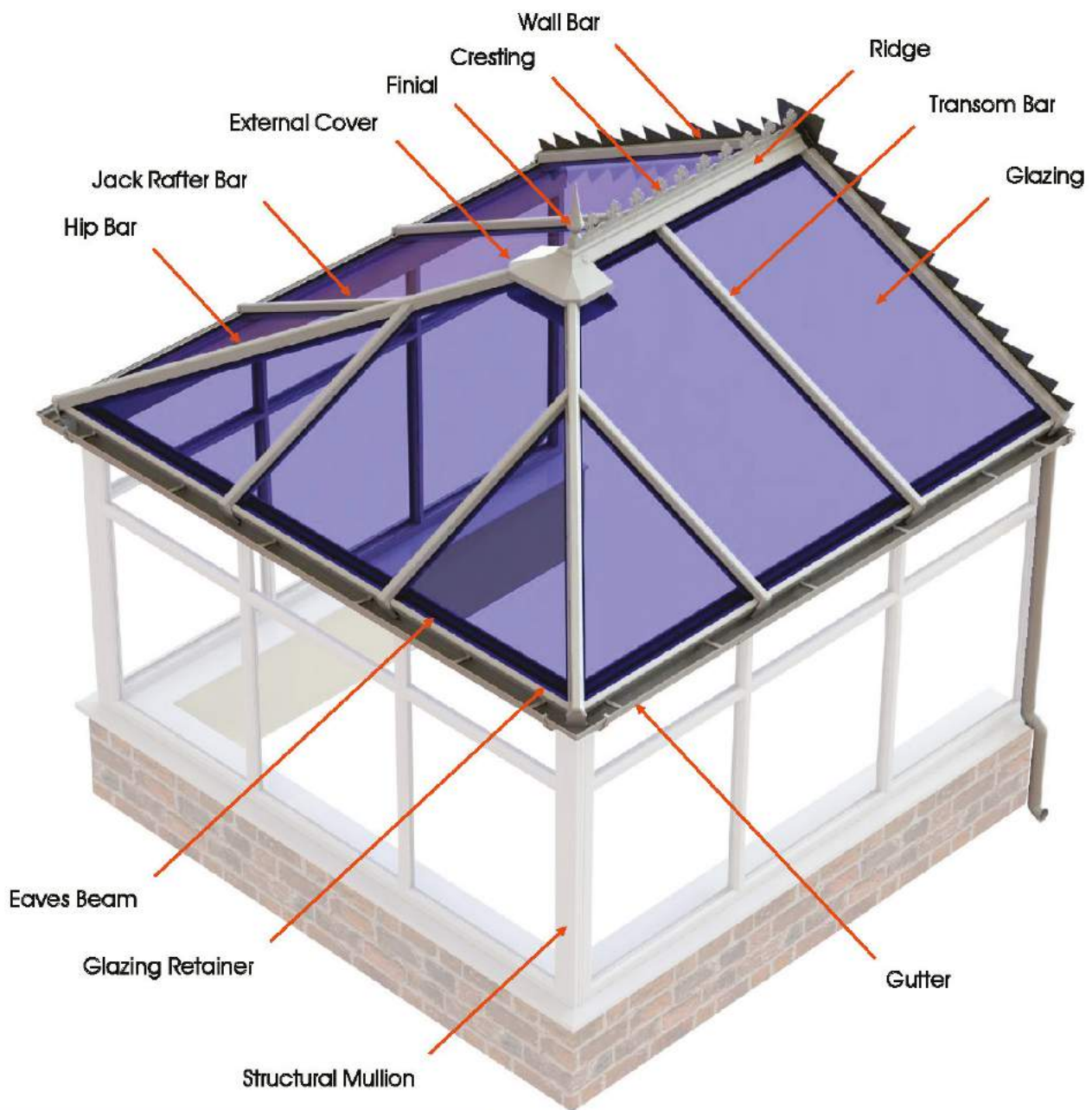


Low modulus neutral cure sealant
With silicone gun



Suitable uPVC Adhesive
Securing trims and mouldings in place

2.00 – Edwardian / Victorian Roof Assembly Overview



Installation Steps...



Preparation
Section 3.00,
pages 6-7



Eaves Beam Assembly
Section 3.01,
pages 8-9



Glazing Retainer Assembly
Section 3.02,
pages 10-11



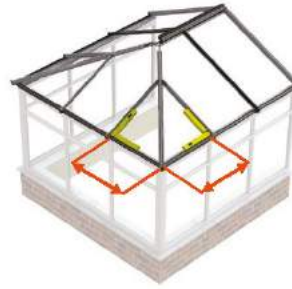
Wall Bar and Ridge Assembly
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Transom Bar Assembly
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Hip Bar Assembly
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pages 24-25



Glazing Assembly 1
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**Hip and Jack Rafter
Top Cap Assembly**
Section 3.11,
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Weather Seal Assembly
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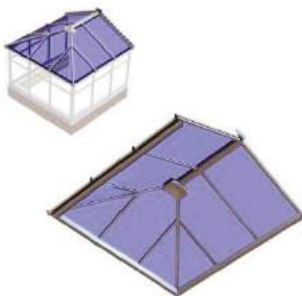
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Roof Bar End Caps
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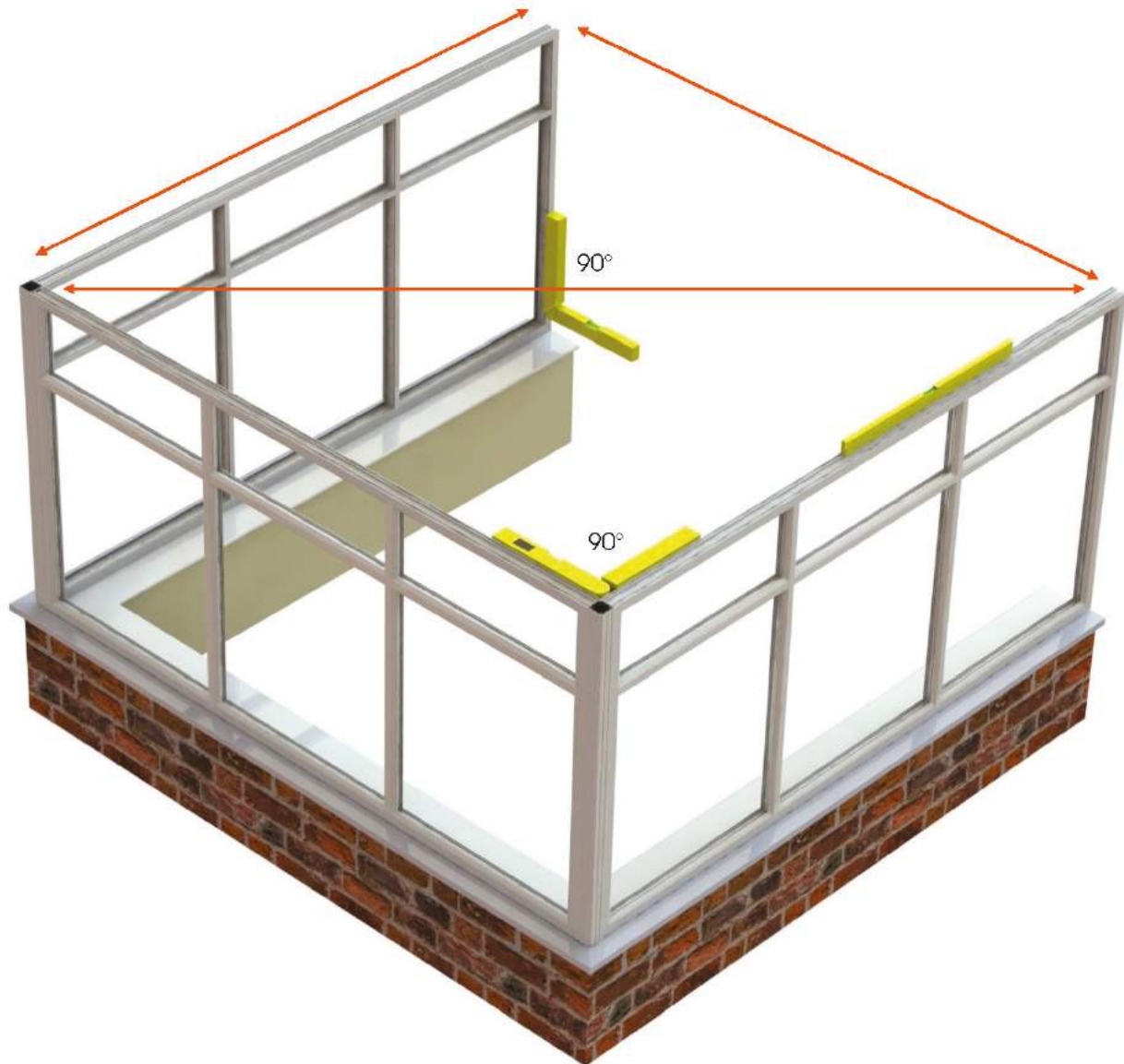
**Internal Cover
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Guttering Assembly
Section 6.00,
pages 50-51

3.00 – Preparation

Before the roof is installed, ensure the framework below is fully assessed and all roof components are available. All relevant sizes are shown on the roof kit paperwork.



Related Components ...

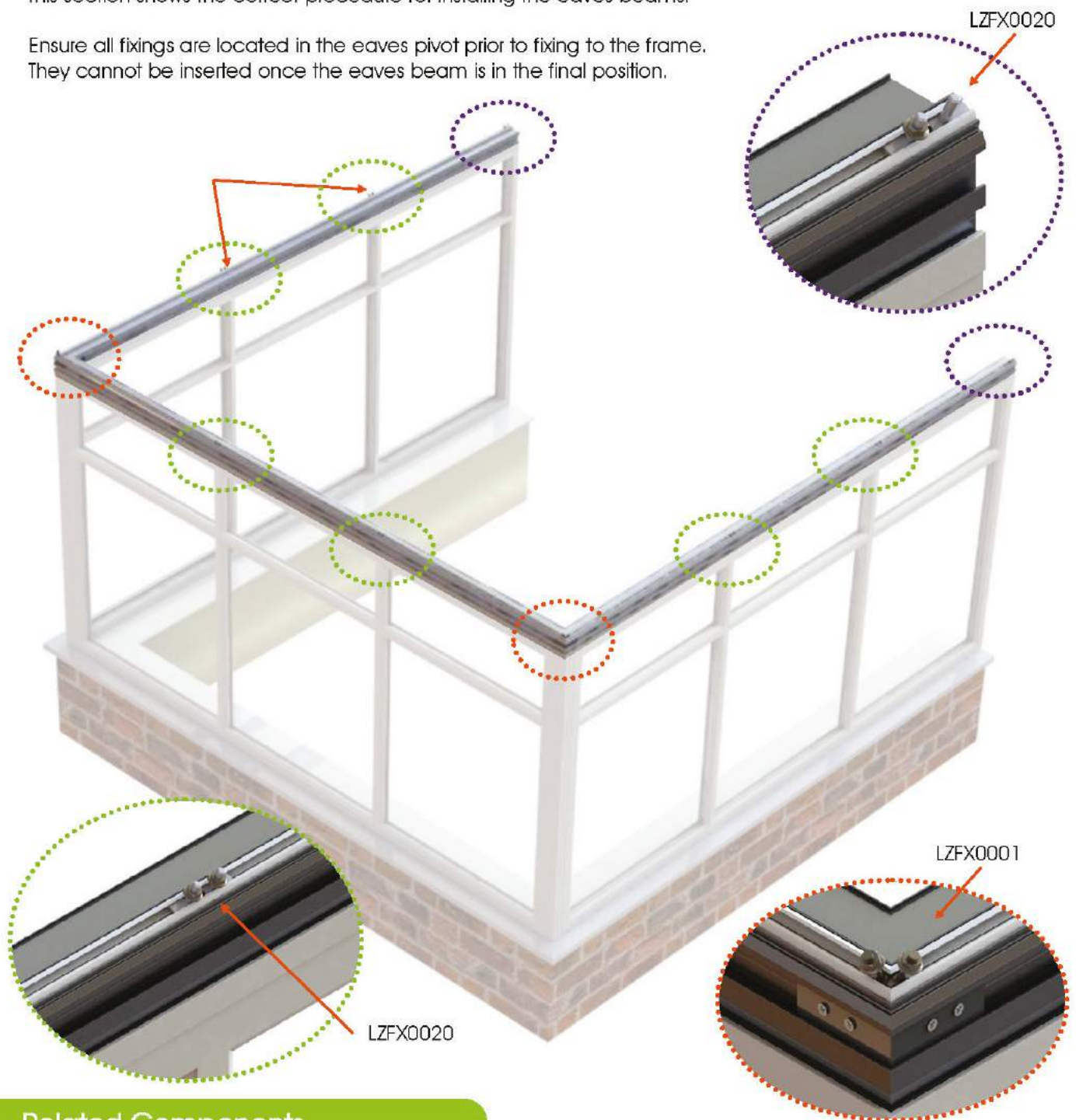


Brickwork
layout
paper work

3.01 – Eaves Beam Assembly

This section shows the correct procedure for installing the eaves beams.

Ensure all fixings are located in the eaves pivot prior to fixing to the frame. They cannot be inserted once the eaves beam is in the final position.



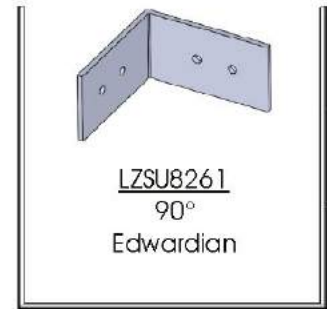
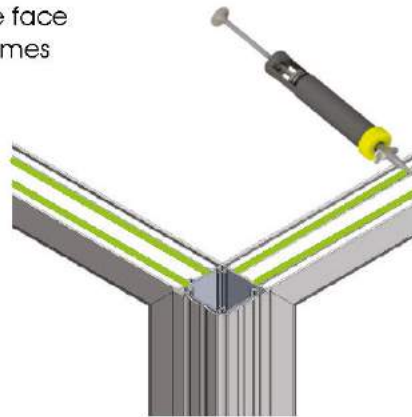
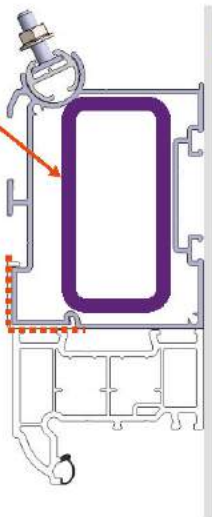
Related Components ...



LZAL0071
Eaves reinforcing if applicable

Ensure protective tape is removed before fixing

Align with inside face of frames



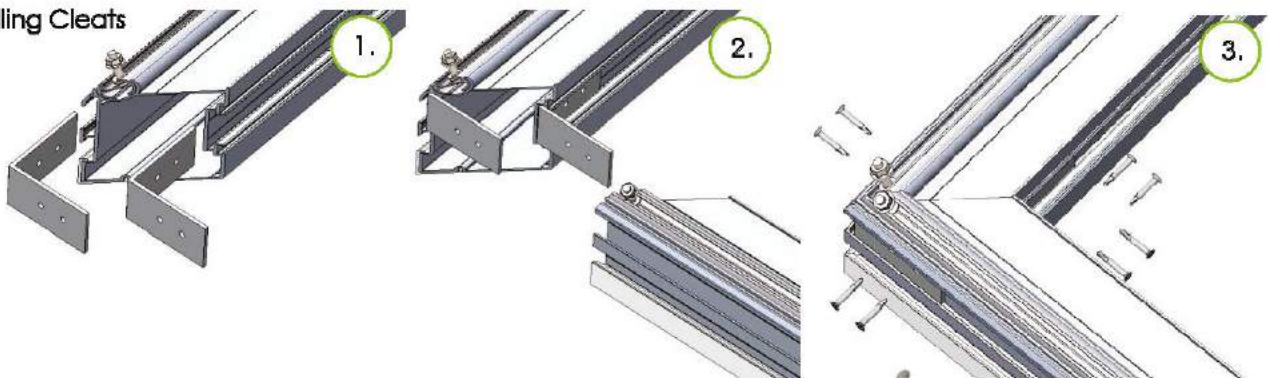
** Check correct number of fixings in Eaves Beams prior to fixing in position **

A continuous bead of appropriate sealant should be applied to the two inner legs on top of frames before positioning the eaves beams to create a weathertight seal.

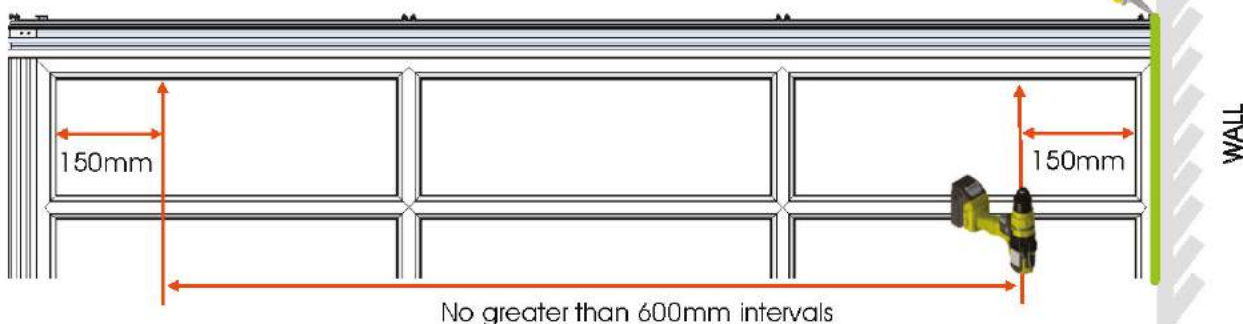
The eaves beams can then be positioned as instructed in the paperwork for the roof kit. Connect the eaves beams with the cleats provided as shown below. The roof kit will include the correct cleats. The angle of these will be determined by whether the roof is an Edwardian, 3 Facet Victorian or 5 Facet Victorian.

Once the eaves beams are positioned on the frames (aligning the inside edges) they can be fixed to the frames with appropriate fixings at no greater than 600mm intervals, leaving 150mm from corners of frames, as shown below.

Installing Cleats



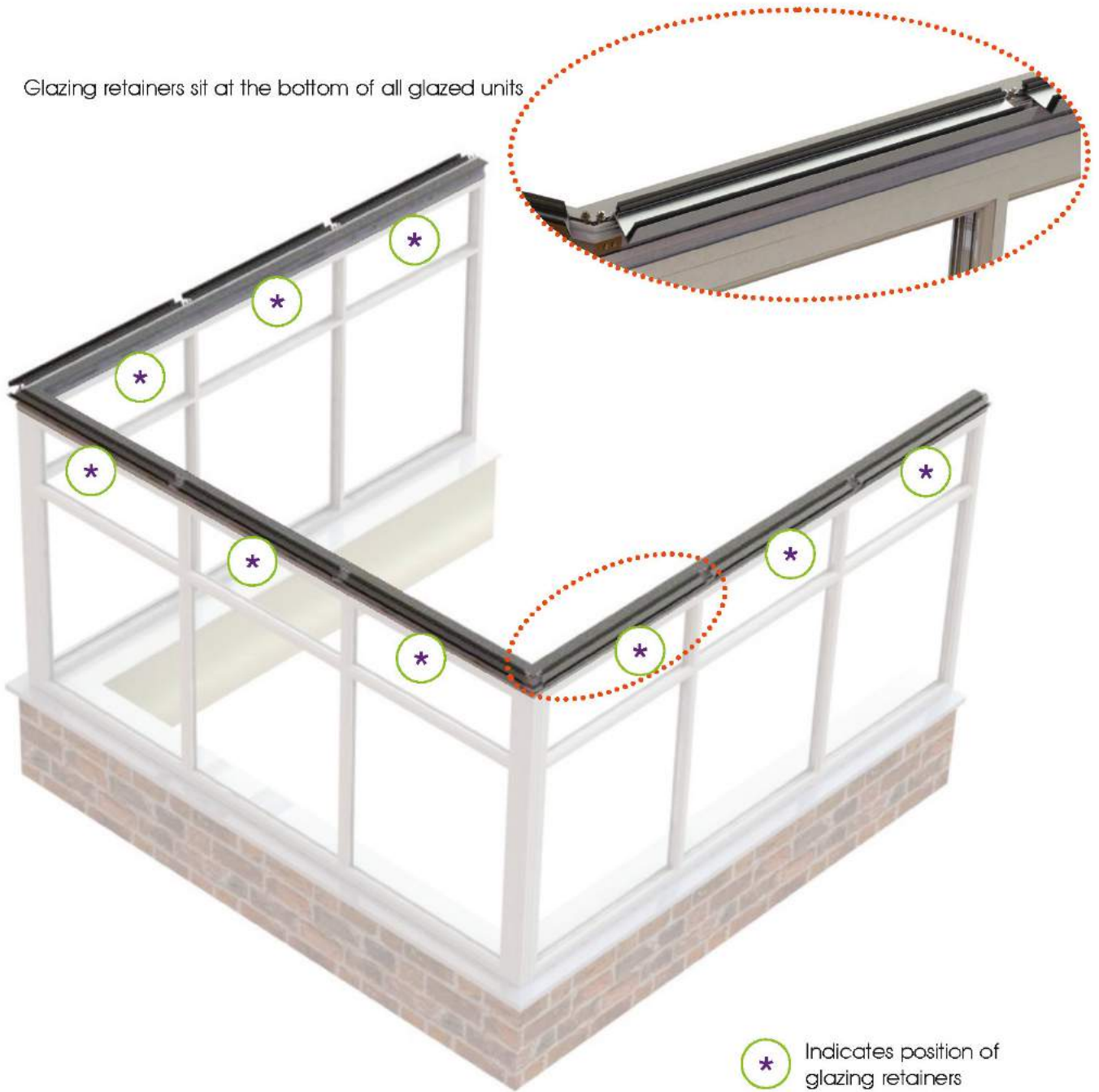
** Ensure a continuous bead of silicone is applied to the outside edge of the frames and eaves beams where they meet the wall **



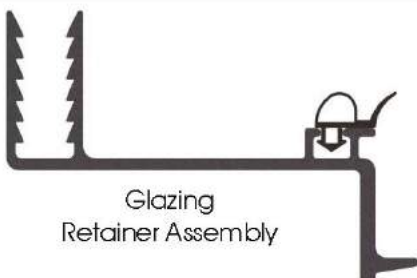
3.02 – Glazing Retainer Assembly

Ensure the glazing retainers are installed prior to fitting the bars.

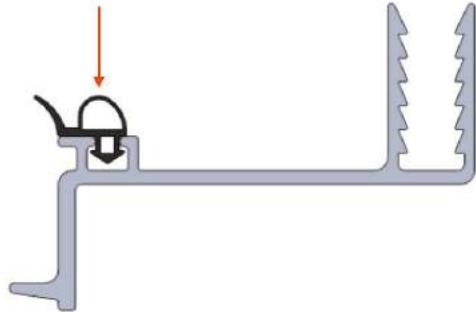
Glazing retainers sit at the bottom of all glazed units



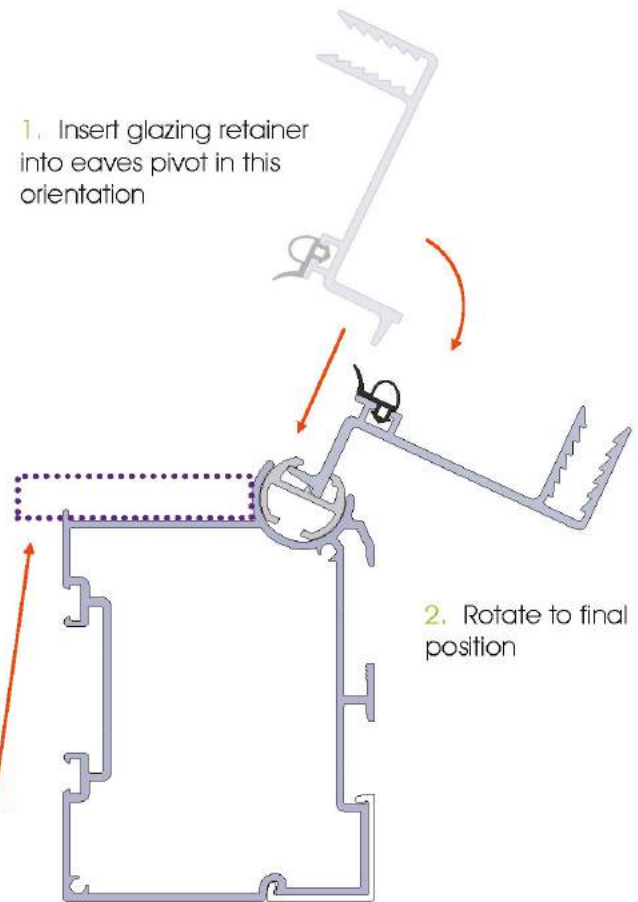
Related Components ...



Ensure gasket is fitted in the correct orientation on all glazing retainers



1. Insert glazing retainer into eaves pivot in this orientation



2. Rotate to final position



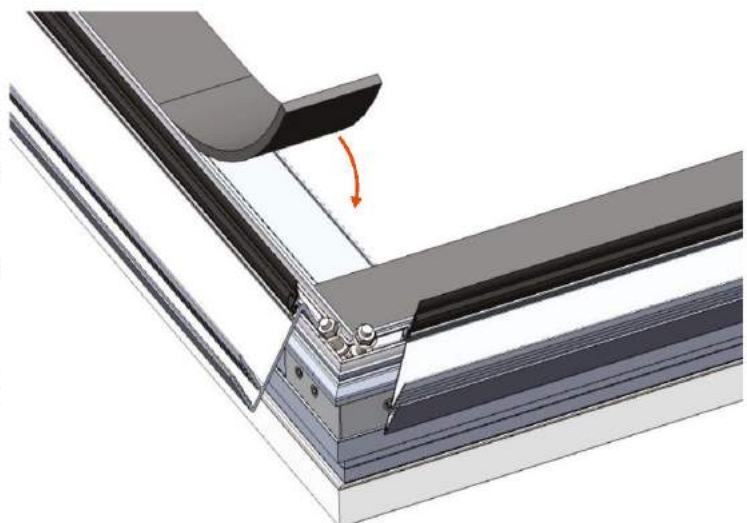
The eaves beam cloaking foam will overhang the eaves by 15mm. This will eventually be cloaked by the internal eaves cover.

Eaves beam cloaking foam (LZSU0087)

The eaves beam cloaking foam adds extra insulation, minimises condensation on glass and improves the overall aesthetics of the eaves beams.

The foam will be supplied in rolls and requires cutting to length to fit the eaves beams.

Look for adhesive backed foam 6mm x 60mm. Remove backing tape and apply to the full length of the eaves beam.



3.03 – Wall Bar and Ridge Assembly

The wall bars can be installed to set the ridge at the correct height.

Conservatory Spec:

Internal Projection:	3000mm
Internal Width:	3000mm
Int. Floor Area:	8m ²
Roof Pitch:	25.0°



Related Components ...

Ridge Assembly



LZPE0012



Wall Bar Assembly



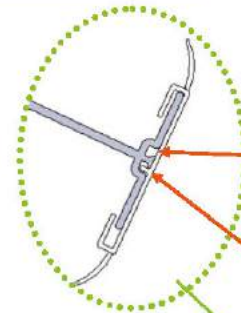
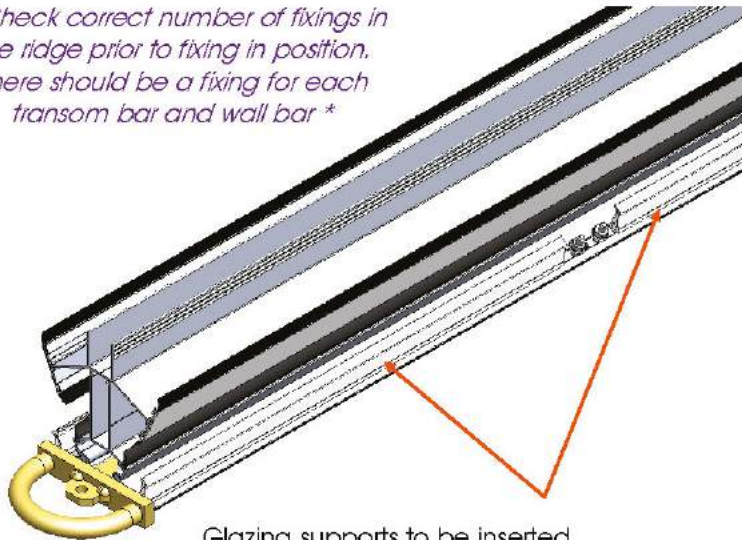
LZFX0020



LZFX0018



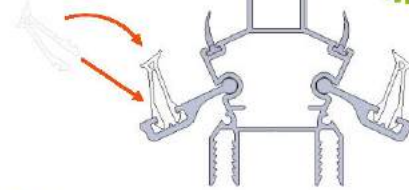
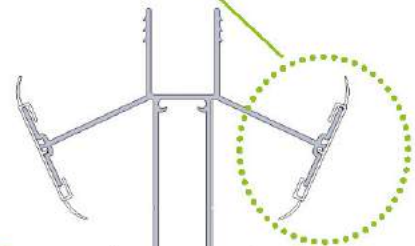
* Check correct number of fixings in the ridge prior to fixing in position. There should be a fixing for each transom bar and wall bar *



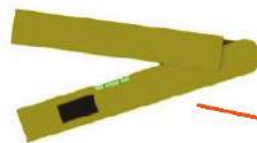
Fascia trim to be located in this slot for 32mm glazing.

Fascia trim to be located in this slot for 24/25mm glazing.

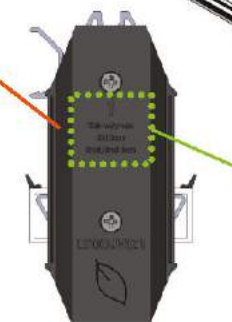
Glazing supports to be inserted between fixings on ridge before fitting to wall bars. This will help to position the fixings to fit the roof bars too.



Ridge Cross Section



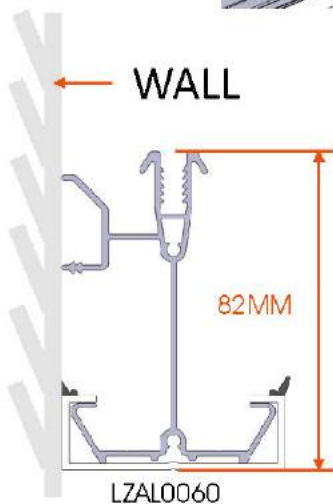
SUPPORT RIDGE



End cap mounting bracket (LZMP0051)



This way up:
Std Bars
Wall/End Bars



WALL

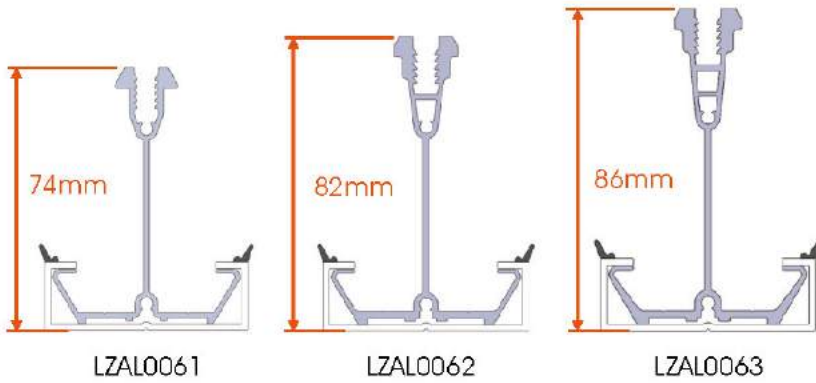
82MM

LZAL0060

Ensure the end cap mounting bracket is in the correct orientation (see images above) and installed to the bars prior to fitting.

The wall bar is fixed in place with 1 x M6 flange nut at the eaves beam and one at the ridge. * Ensure the ridge is sufficiently supported at this point until the rest of the bars are fitted *

Once fixed in place use an angle finder to check the wall bars are set at the correct angle.



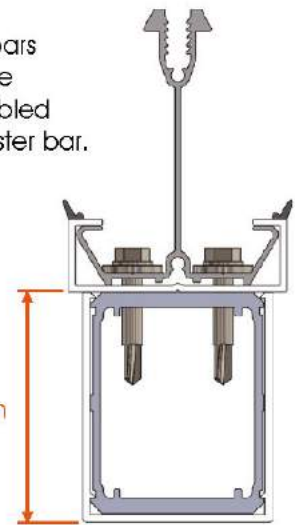
LZAL0061

LZAL0062

LZAL0063

** Bottom caps may be square or ogee depending on order requirements **

Transom bars may come preassembled with a bolster bar.



LZAL0072

Transom bars should be fitted with end cap mounting brackets in the correct orientation (see below) prior to installation.

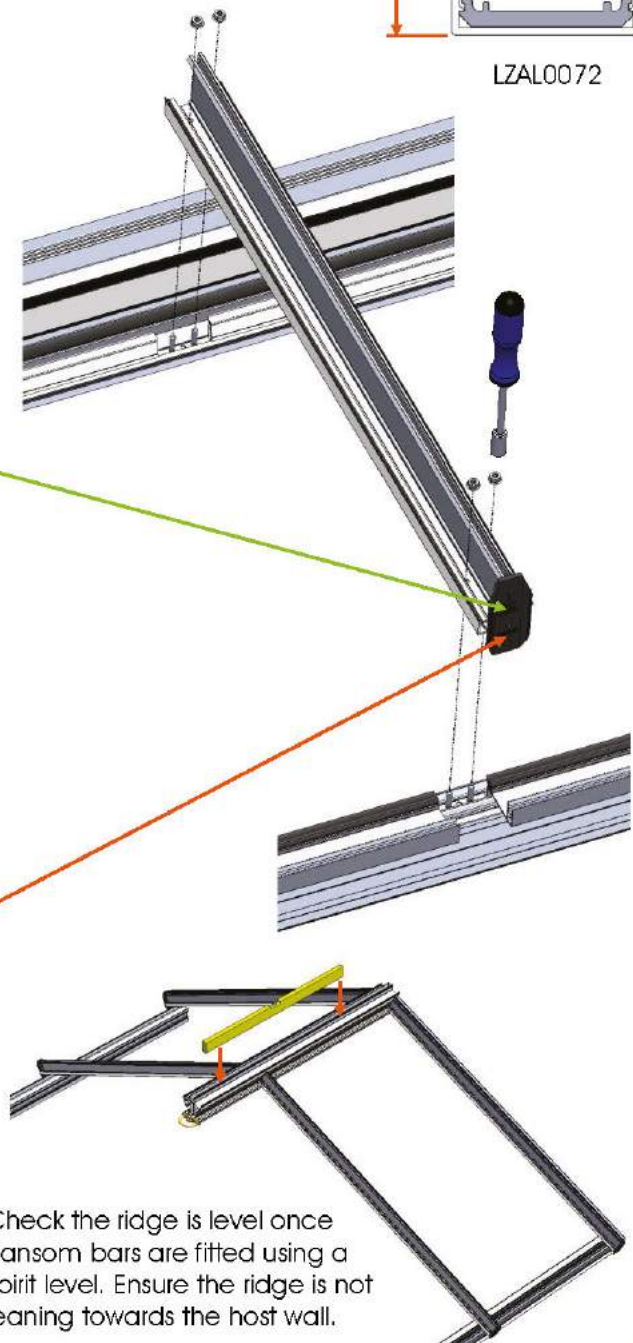
The transom bars can then be fitted. Each bar is secured by 4 x M6 flange nuts. This is on the eaves and ridge.



Standard transom bars (LZAL0061)



HD & XHD transom bars (LZAL0062/3)



Check the ridge is level once transom bars are fitted using a spirit level. Ensure the ridge is not leaning towards the host wall.

3.05 – Hip Bar Assembly

Installation of hip bars.



Related Components ...



Hip
Assembly

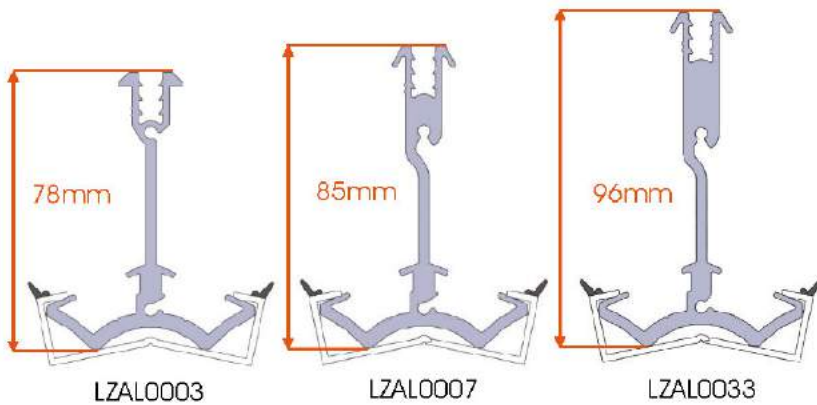


LZFX0001

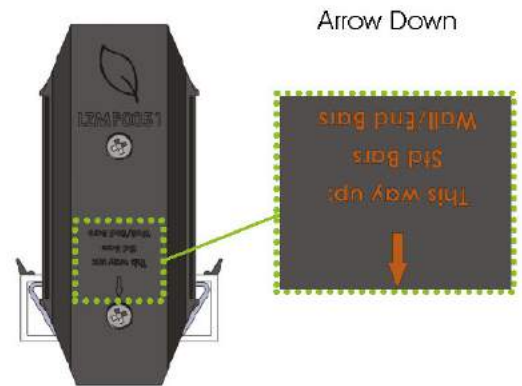


LZFX0018

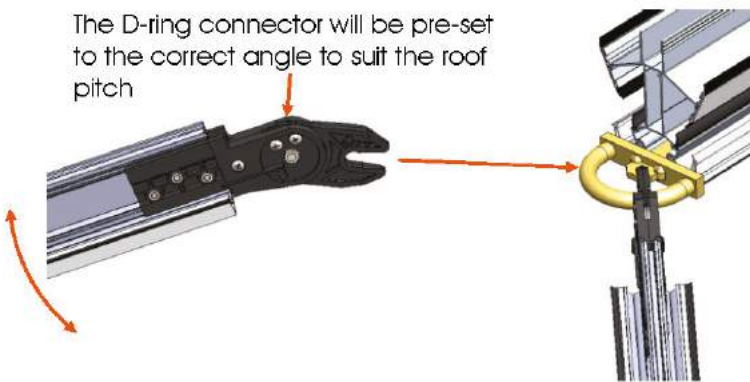




See page 13 for bolster bar dimensions

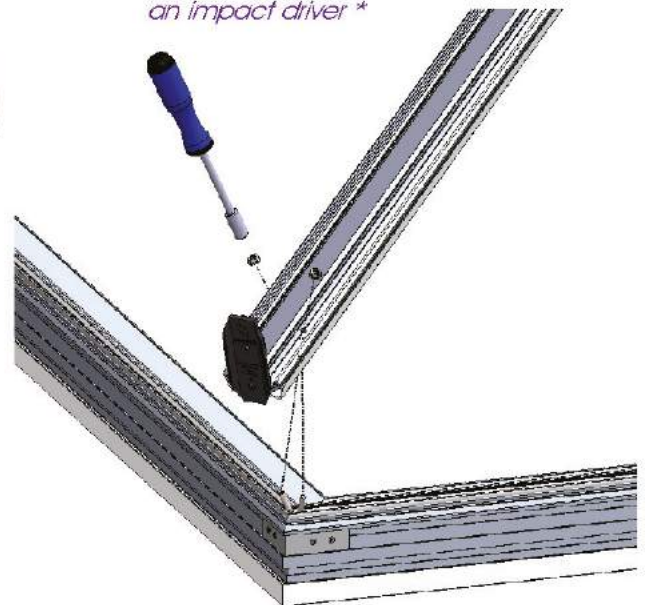


The D-ring connector will be pre-set to the correct angle to suit the roof pitch



Hip bars should be fitted with end cap mounting brackets in the correct orientation (see above) prior to installation.

** Hand tighten. Do not use an impact driver **

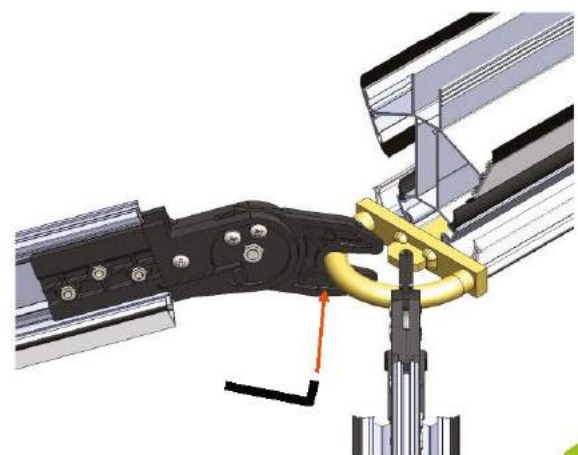
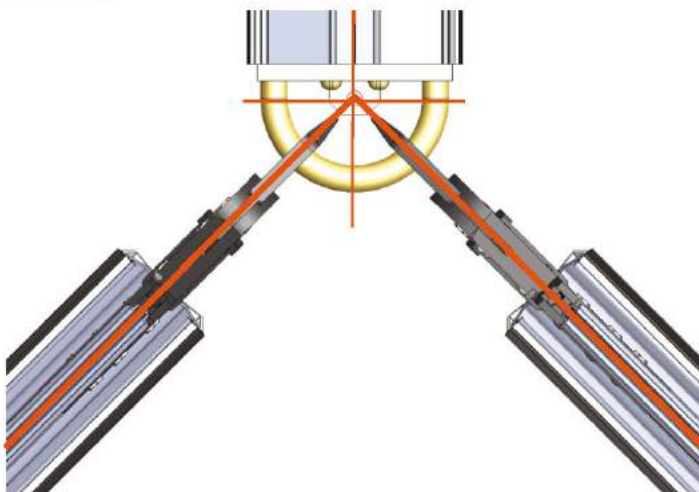


Connect the top end of the hip bars to the D-ring at the end of the ridge by pushing the connector, whilst levering the bar up and down until it clicks into place.

Connect the bottom end of the hip bar to the eaves beam, securing it in place with 2 x M6 flange nuts.

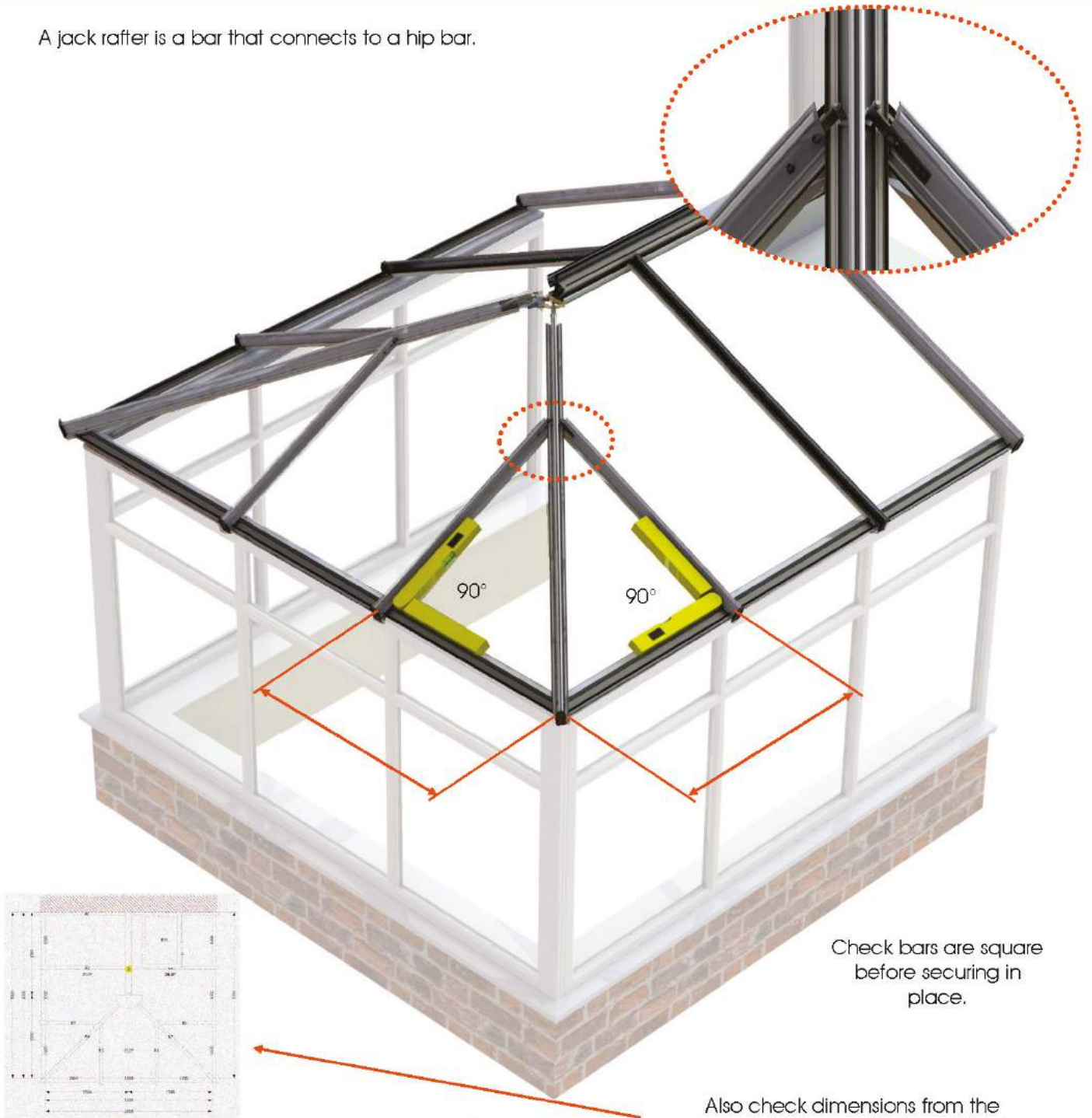
Align the D-ring connectors with the centre point of the d-ring (shown below).

Once bars are positioned, tighten the grub screw to lock the D-ring connector in place with a 2.5mm allen key.



3.06 – Jack Rafter Assembly

A jack rafter is a bar that connects to a hip bar.



Related Components ...

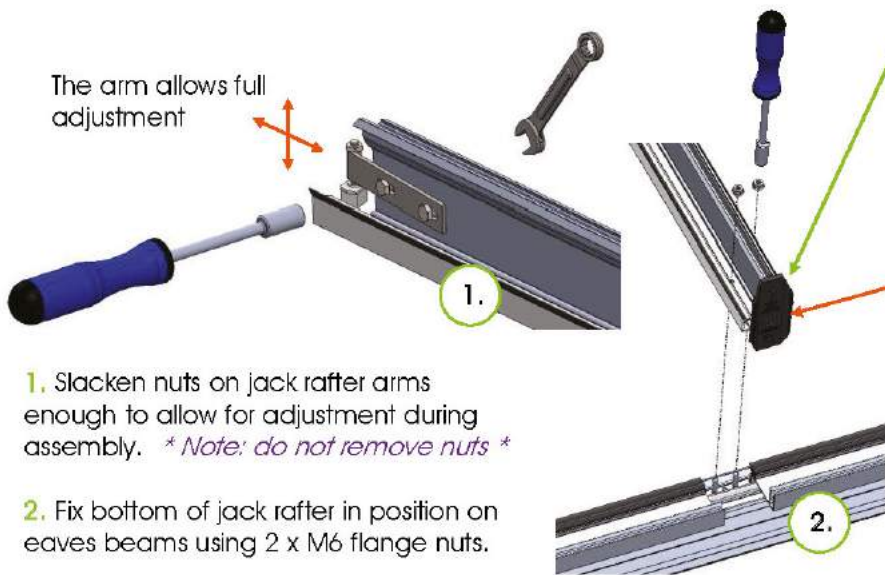


LZFX0020

LZFX0018



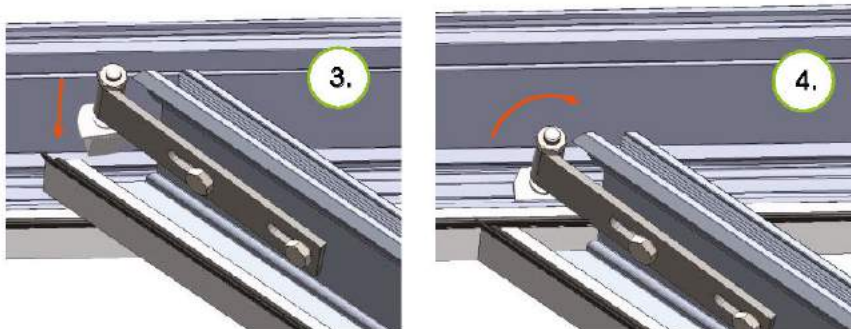
Jack rafters should be fitted with end cap mounting brackets in the correct orientation (see below) prior to installation.



The arm allows full adjustment

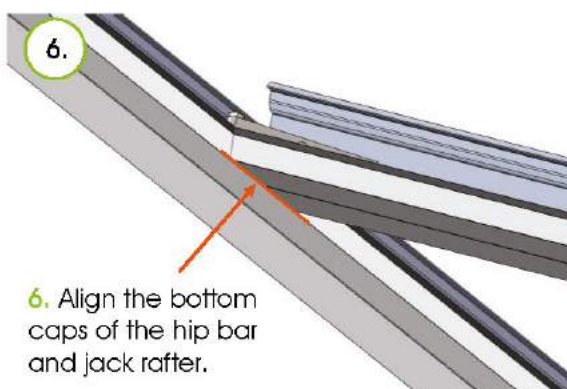
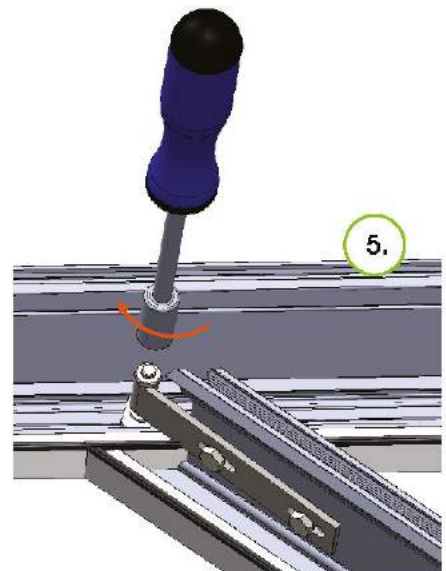
1. Slacken nuts on jack rafter arms enough to allow for adjustment during assembly. ** Note: do not remove nuts **

2. Fix bottom of jack rafter in position on eaves beams using 2 x M6 flange nuts.

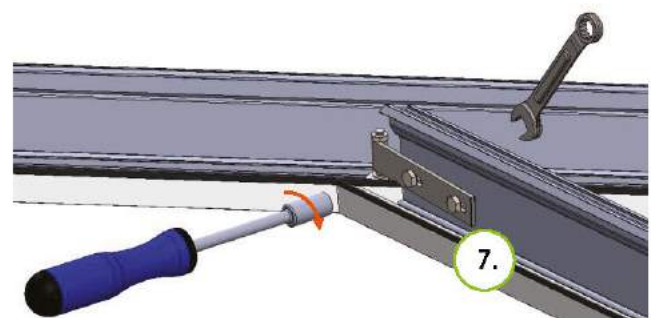


3. Insert jack rafter fixing into channel of the hip bar, compressing the foam pad on the bottom, and then rotate to hold it in place in the channel (4).

5. Tighten the M6 nut on top of the jack rafter arm to lock it into the hip bar.



6. Align the bottom caps of the hip bar and jack rafter.



7. Lock off fixings on jack rafter

3.07 – Wall Bar Fixing/Flashing

This section details securing the wall bars to the wall and flashing along the length of wall bars.



Related Components ...



** Lead flashing is not provided with the roof kit **

Fixing the wall bars in place

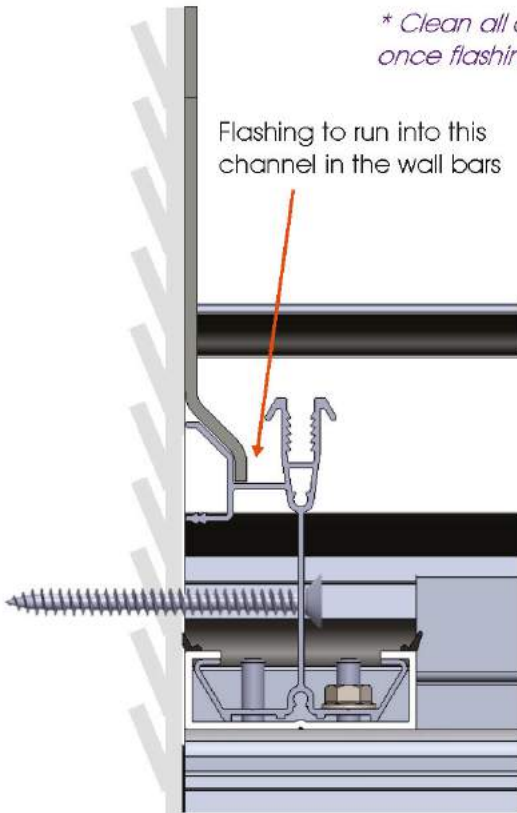
Before fixing to the wall, ensure all bars are positioned correctly (square, correct spacing between bars).

Clearance holes will need to be drilled in the wall bars to fix in position. Appropriate fixings should be used to fix wall bars securely.

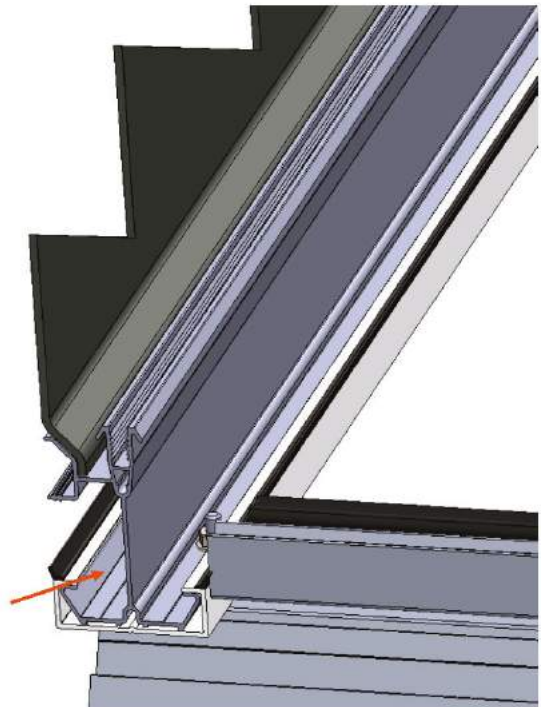


** Clean all dust from the roof once flashing has been fitted **

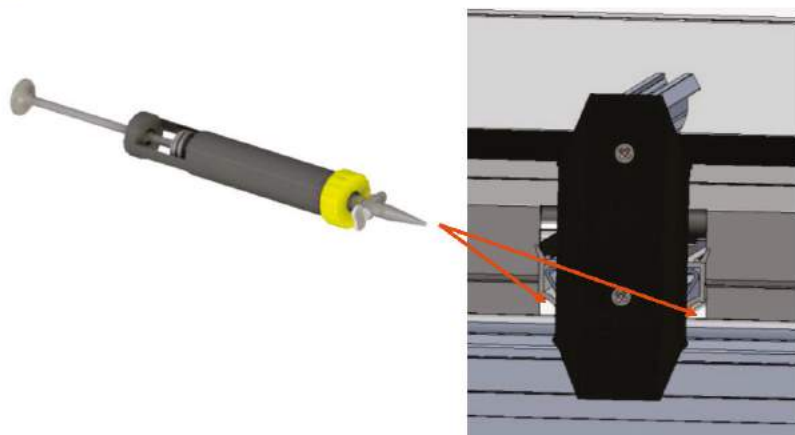
Flashing to run into this channel in the wall bars



(Note: End cap mounting bracket not shown in this image)



Seal using an appropriate sealant between all roof bars and glazing retainers.



3.08 – Internal Trims

Internal covers are fitted to the eaves and the underside of the ridge.



Related Components ...



LZPE0010

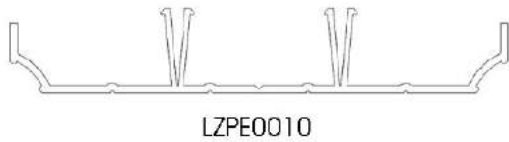


Internal Cover Trims



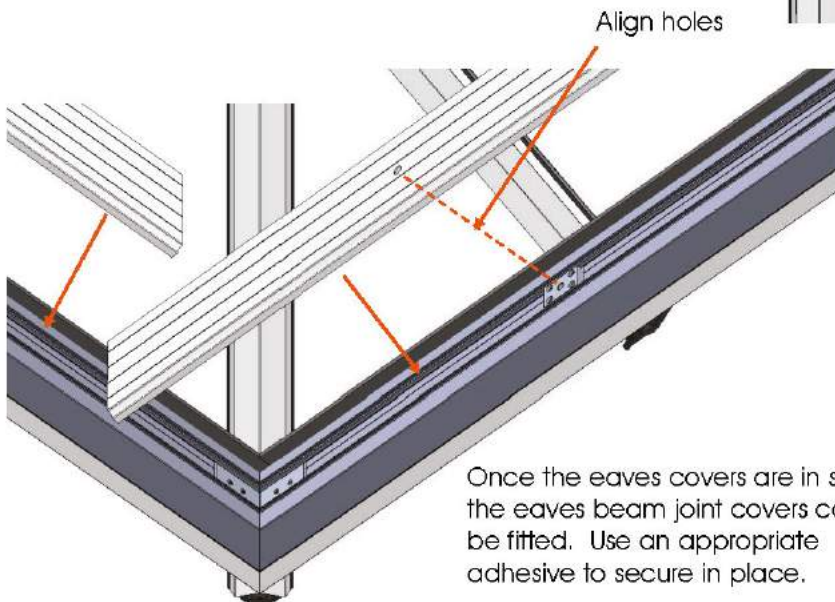
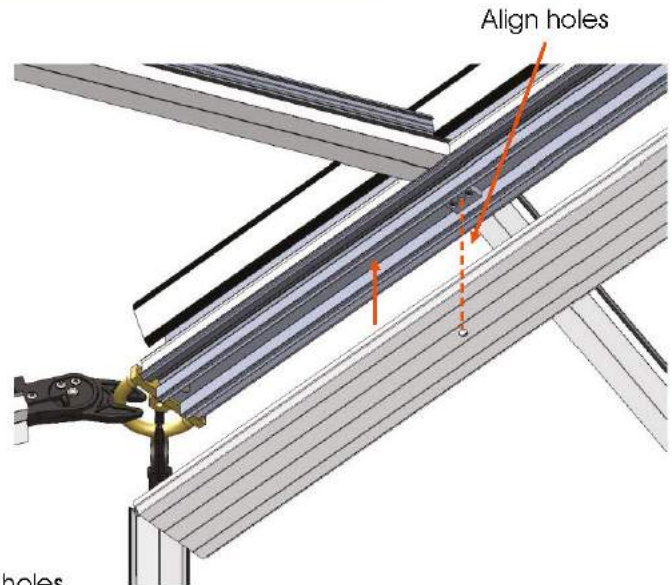
LZMP0072





Fit the internal cover to the underside of the ridge.

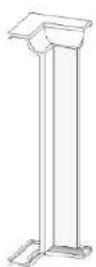
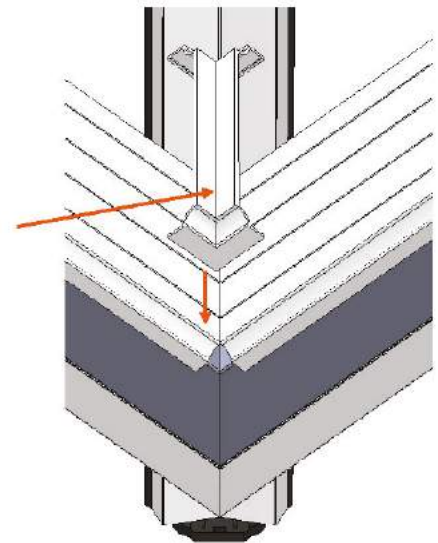
If a tie bar is to be fitted, align the hole in the internal ridge cover with the threaded hole in the tie bar ridge block (LZSU0076).



Fit the internal covers to the eaves.

If an eaves mounted tie bar is to be fitted, align the holes in the internal eaves covers with the threaded holes in the tie bar eaves blocks (LZSU8532).

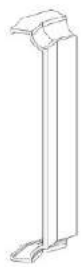
Once the eaves covers are in situ, the eaves beam joint covers can be fitted. Use an appropriate adhesive to secure in place.



LZMP0001 - 90°



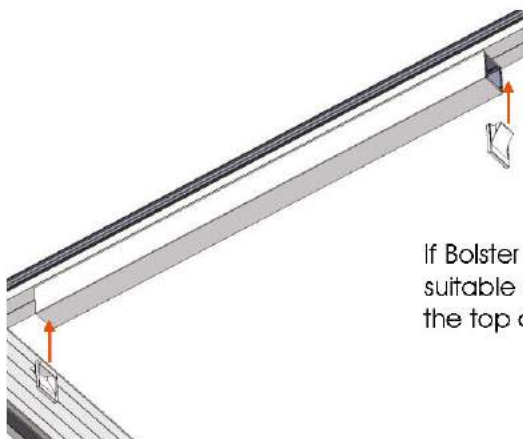
LZMP0003 - 135°



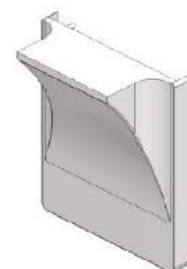
LZMP0018 - 150°



LZMP0004 - Inline



If Bolster Bars are fitted to the roof, use a suitable adhesive to secure an end cap to the top and bottom of each bolster bar.



LZMP0072

3.09 – Tie Bar Assembly

This section details the method of fixing a tie bar application.

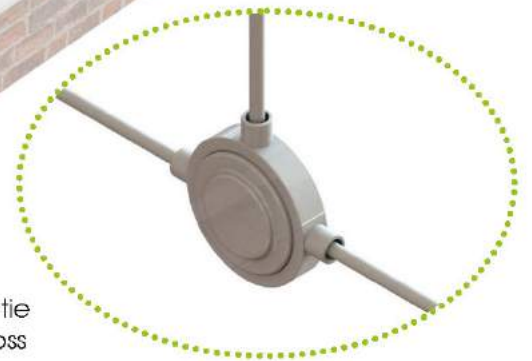


Tie bar fixed to the eaves beam

Unless specified otherwise, roof bar mounted ties will be fitted as standard



Tie bar fixed to the bottom of the roof bars



3 way tie bar boss

Related Components ...



LZSU0005



LZSU8544



LZSU8524 / LZSU8522



LZFX0010



LZSU0076



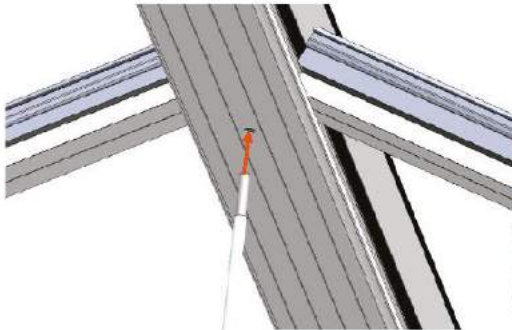
LZSU8532



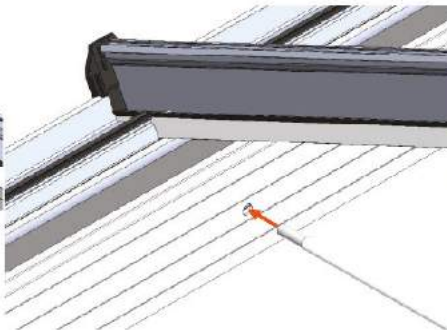
LZSU0006



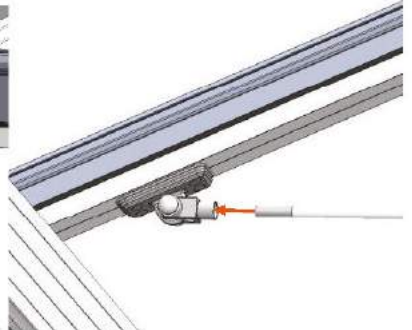
Vertical Ties – The vertical tie bars are always threaded into the blocks which are prefixed into the ridge.



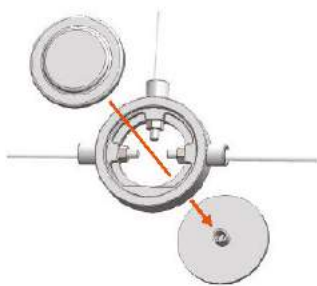
Horizontal Ties (Eaves Mounted) - Horizontal bars are threaded into the blocks which are prefixed into eaves beams.



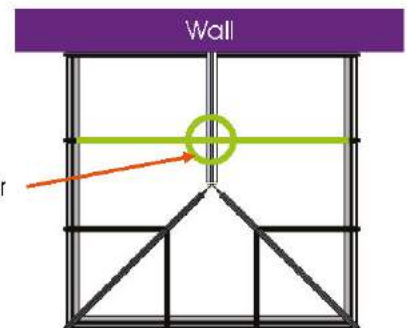
Horizontal Ties (Bar Mounted) – Horizontal bars are screwed into fixing lugs that will be prefixed to the roof bars.



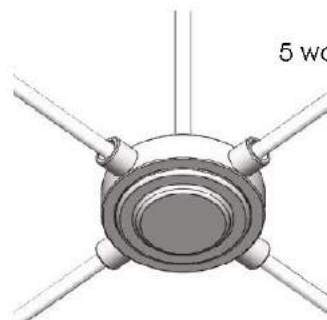
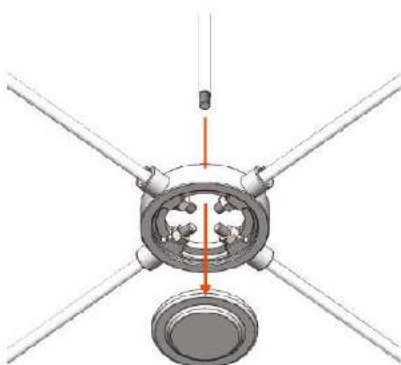
3 Way Tie Bars - Insert the horizontal and vertical studs into the three way tie bar boss and tighten the M10 nuts until the correct dimensions are achieved across the eaves beams. Then fit the tie bar boss caps to finish the assembly.



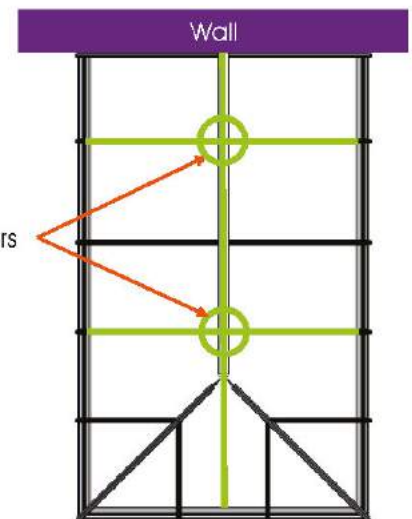
3 way tie bar



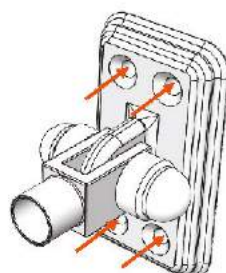
5 Way Tie Bars - On larger roofs, one or even multiple 5 way tie bar bosses may be necessary. These are secured additionally to the wall and the eaves beam across the front of the roof.



5 way tie bars



If using the 5 way tie bar system, a fixing lug (LZSU0006) should be secured to the wall using appropriate propriety fixings.



** If a tie wire has been specified for the roof it should be fitted at this point. Refer to the manufacturers instruction supplied with the tie wire **

3.10 – Glazing Assembly 1

The roof is only partially glazed at this point as you will need access to the ridge. Glazing should be installed up to the closest transom bars to the D-ring. This is to allow access to the D-ring area for sealing.

** Tie bars should always be installed prior to glazing **

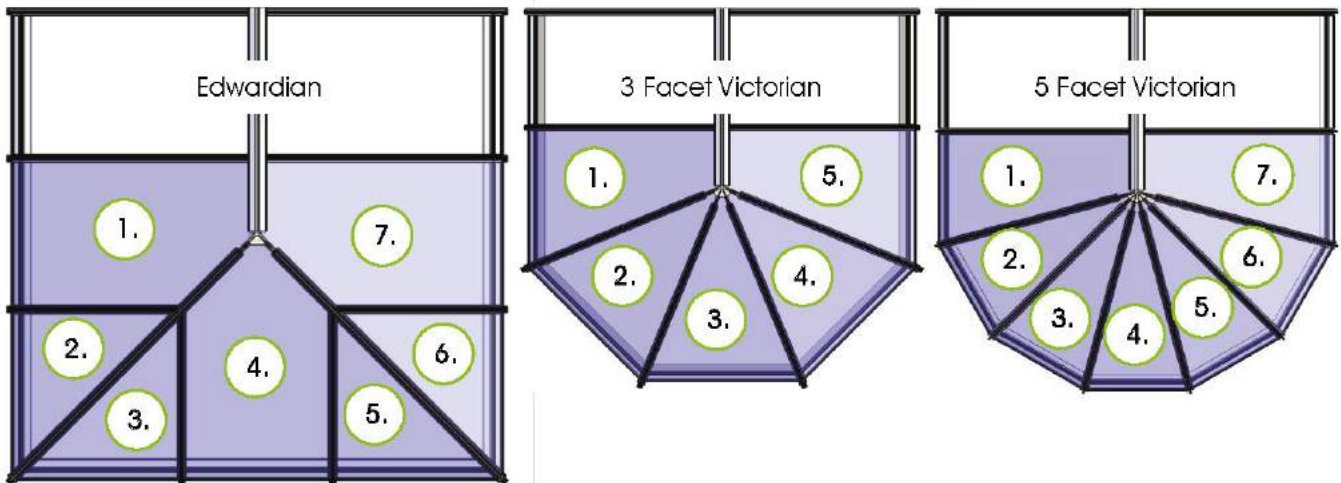
Only glaze up to the closest transom bars to the D-ring



Related Components ...

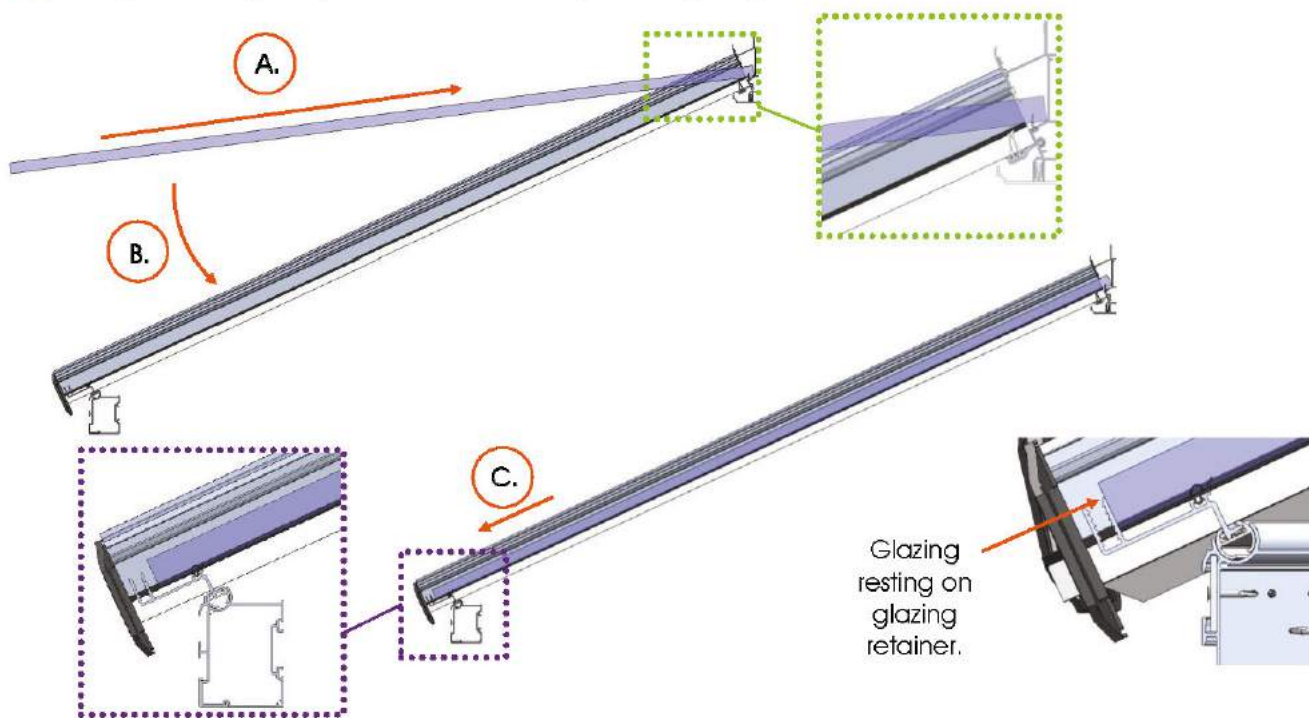
-  24mm Glazing (Typically glass)
-  25mm Glazing (Typically polycarbonate)
-  32mm Glazing (Typically polycarbonate)



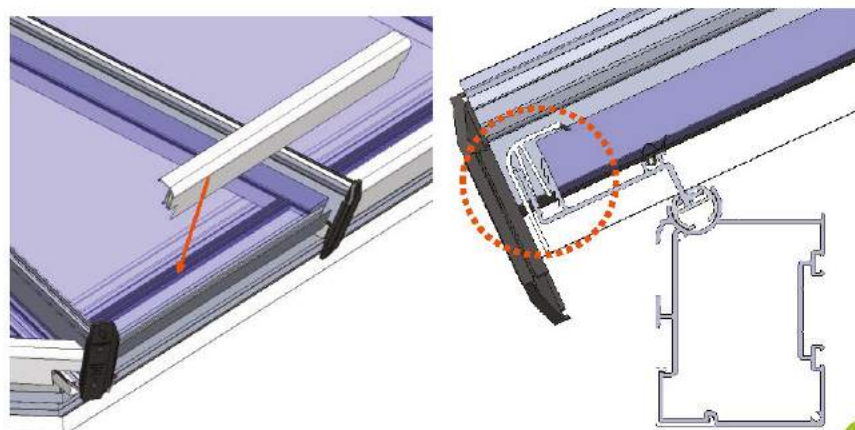


Fit the glazing in the order as shown.

- A.** To install the glazing, push the top end of the glazing panel into the gap between the two black gaskets along the ridge with the bottom end elevated.
- B.** Then lower the bottom end of the glazing panel to rest on the roof bars.
- C.** Finally slide the glazing down until it is resting on the glazing retainer.



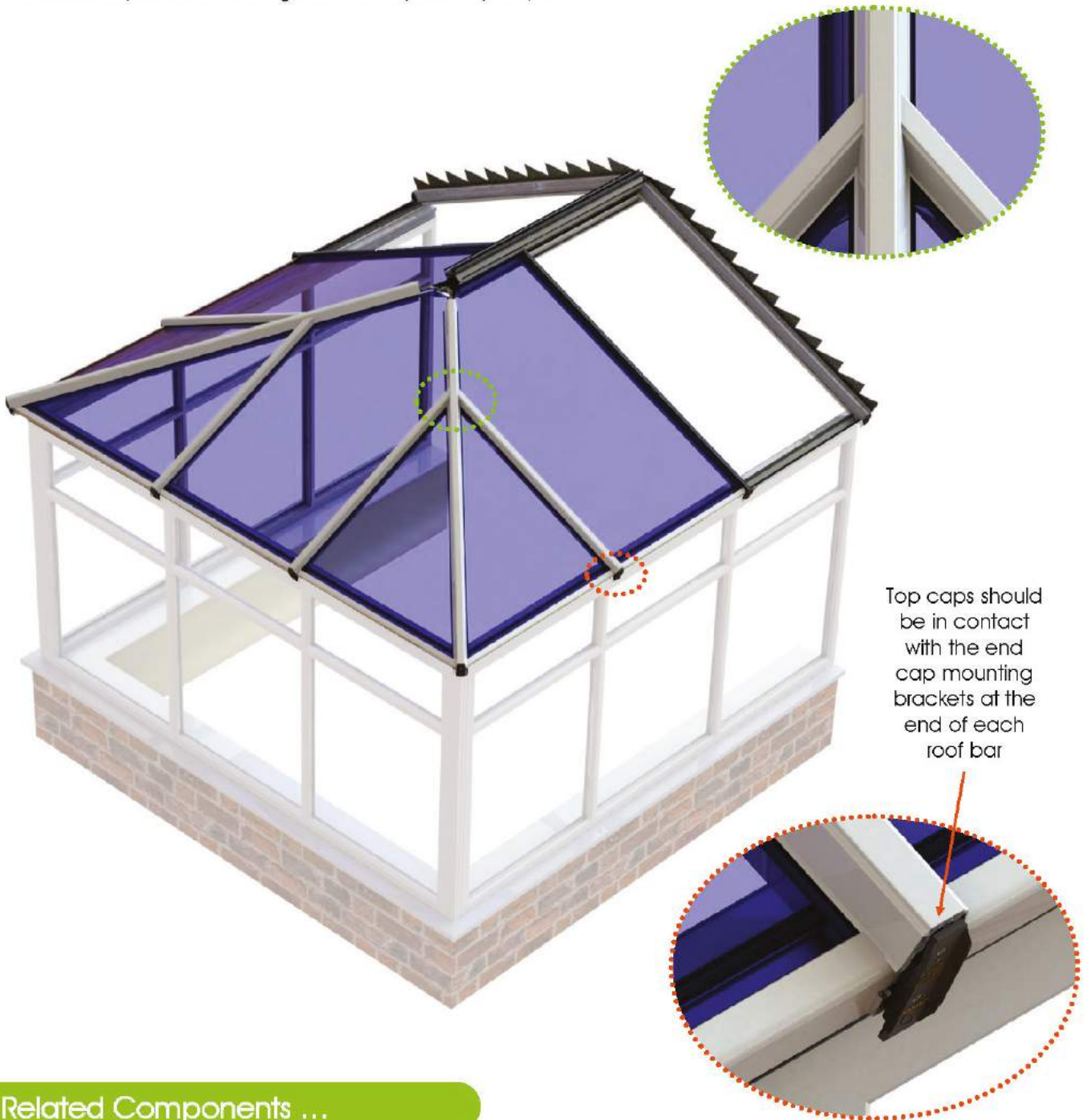
Once the glazing is in position, the glazing retainer trims should then be inserted into the aluminium glazing retainers.



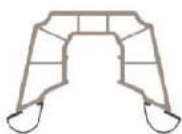
* Glazing retainer trims must be fitted before the transom/hip/wall/jack rafter top caps are installed *

3.11 – Hip and Jack Rafter Top Cap Assembly

Top caps for hip bars and jack rafters can be installed at this point. The end of the jack rafter top caps will be compound cut to align with the hip bar top caps.



Related Components ...



LZPE0041



LZPE0042

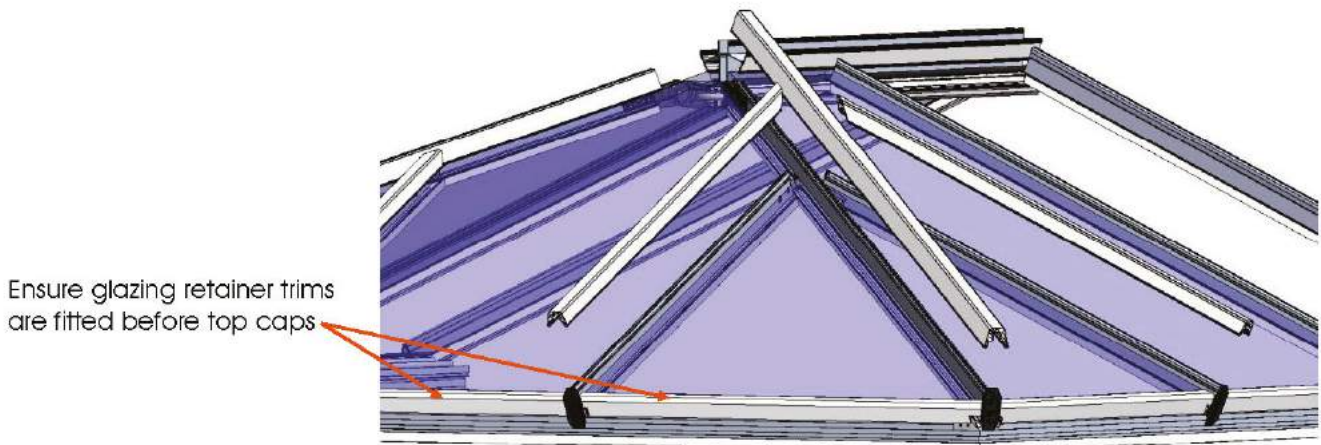
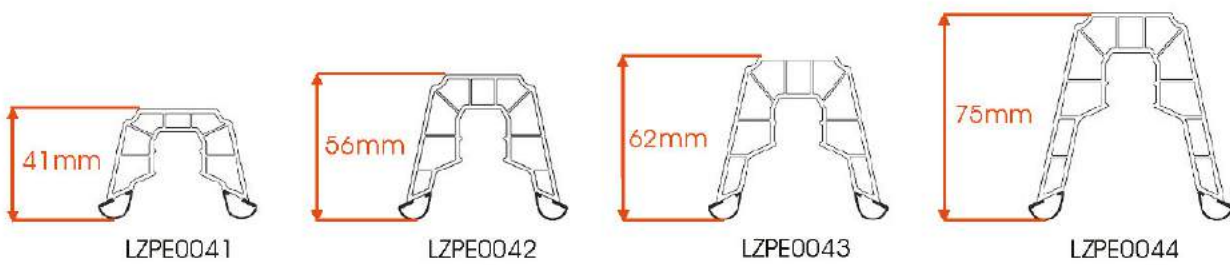


LZPE0043



LZPE0044

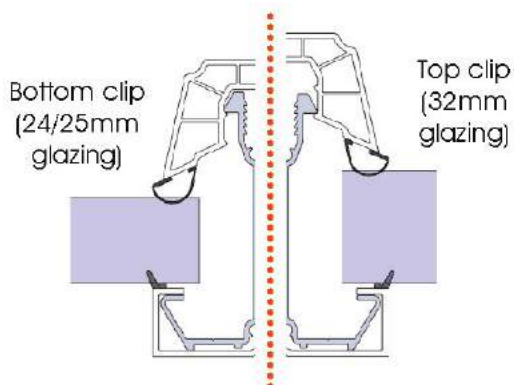
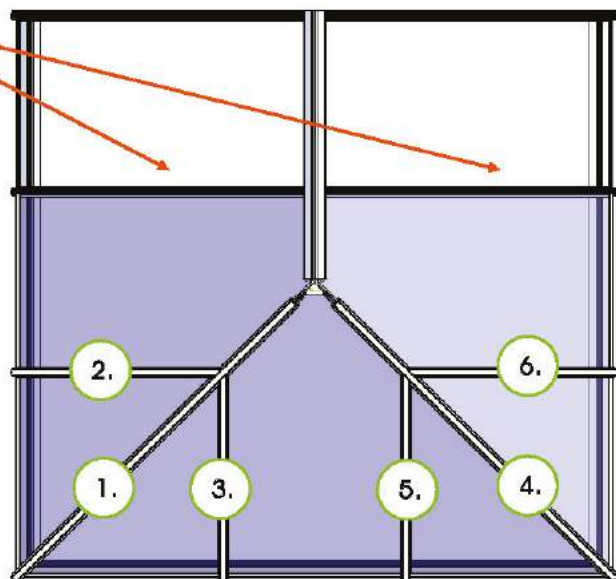




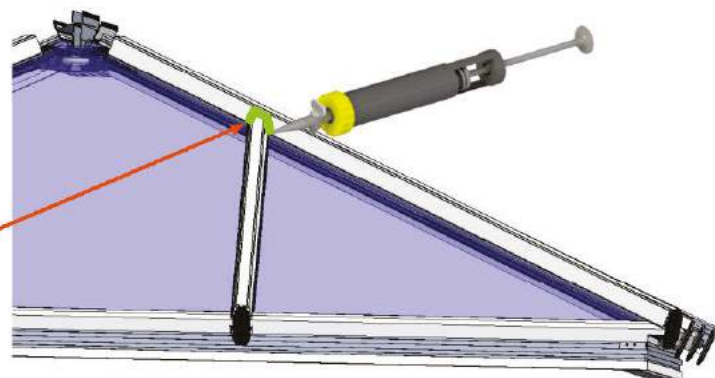
** Do not install any transom top caps at this point **

Top caps should be fitted to the hip bars prior to the jack rafters. This is due to the jack rafter top caps butting up to the hip cap once in position. (See top cap assembly to the right).

The top end of the jack rafter top caps have compound cuts which match the angle of the hip bar top caps.

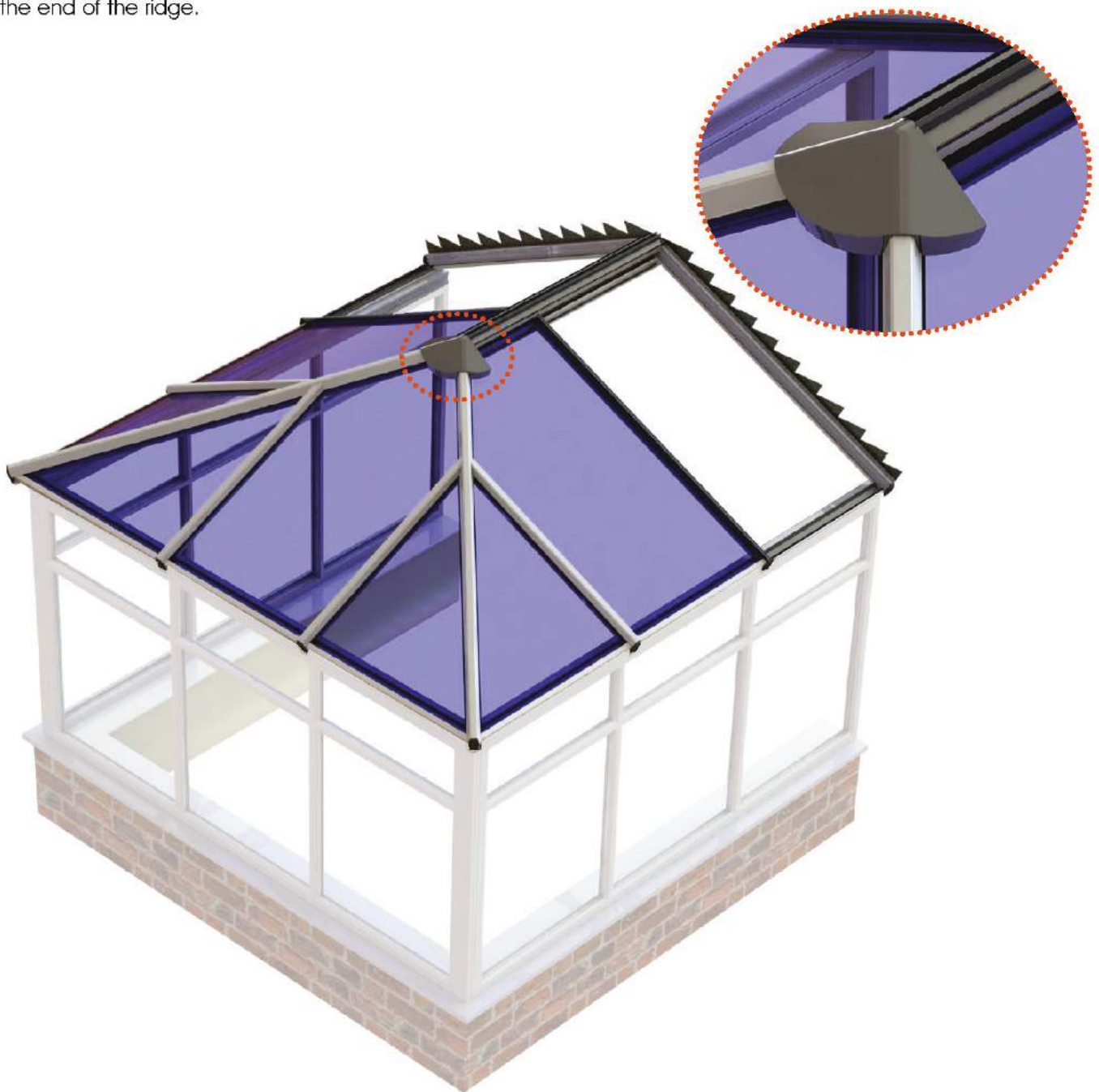


Apply an appropriate sealant to the joint between the jack rafter and hip top caps.

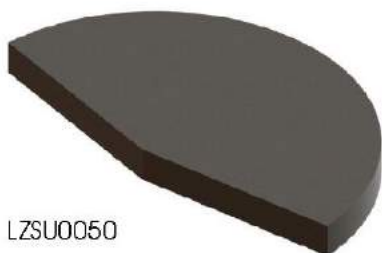


3.12 – Weather Seal Assembly

This section shows how to install the weather seal which is positioned at the end of the ridge.



Related Components ...



LZSU0050



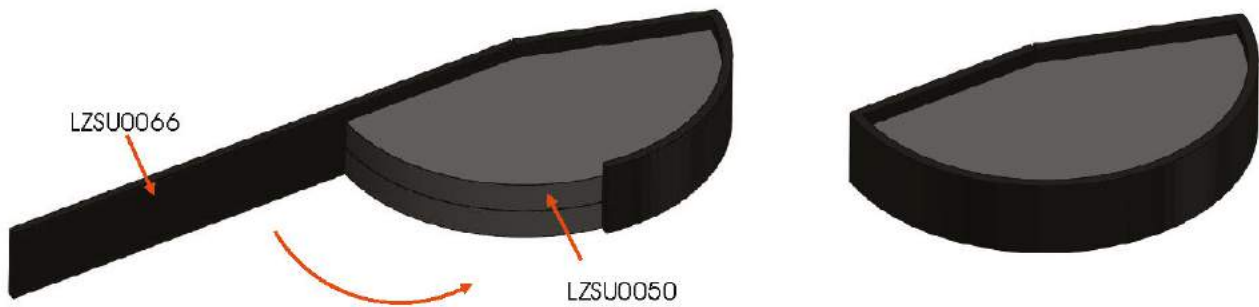
LZSU0066



The foam weather seal is made up from two foam weather seal bungs (LZSU0050) and two foam weather seal masks (LZSU0066).

First remove the adhesive backing from one of the foam weather seal bungs and stick it to the second bung.

Then remove the backing from both pieces of the weather seal mask and adhere around the edges of the assembled bungs, aligning the bottom edges, as shown below. You will need to trim one of the weather seal masks down to cloak the perimeter of the bung assembly.



Remove the backing tape from the bottom foam bung and stick over the exposed D-ring area to create a weather tight joint. The weather seal will conform to the pitch of the roof and adhere to the glazing. The edges should be pushed up tight to the end of the hip bar top caps and the end of the ridge.

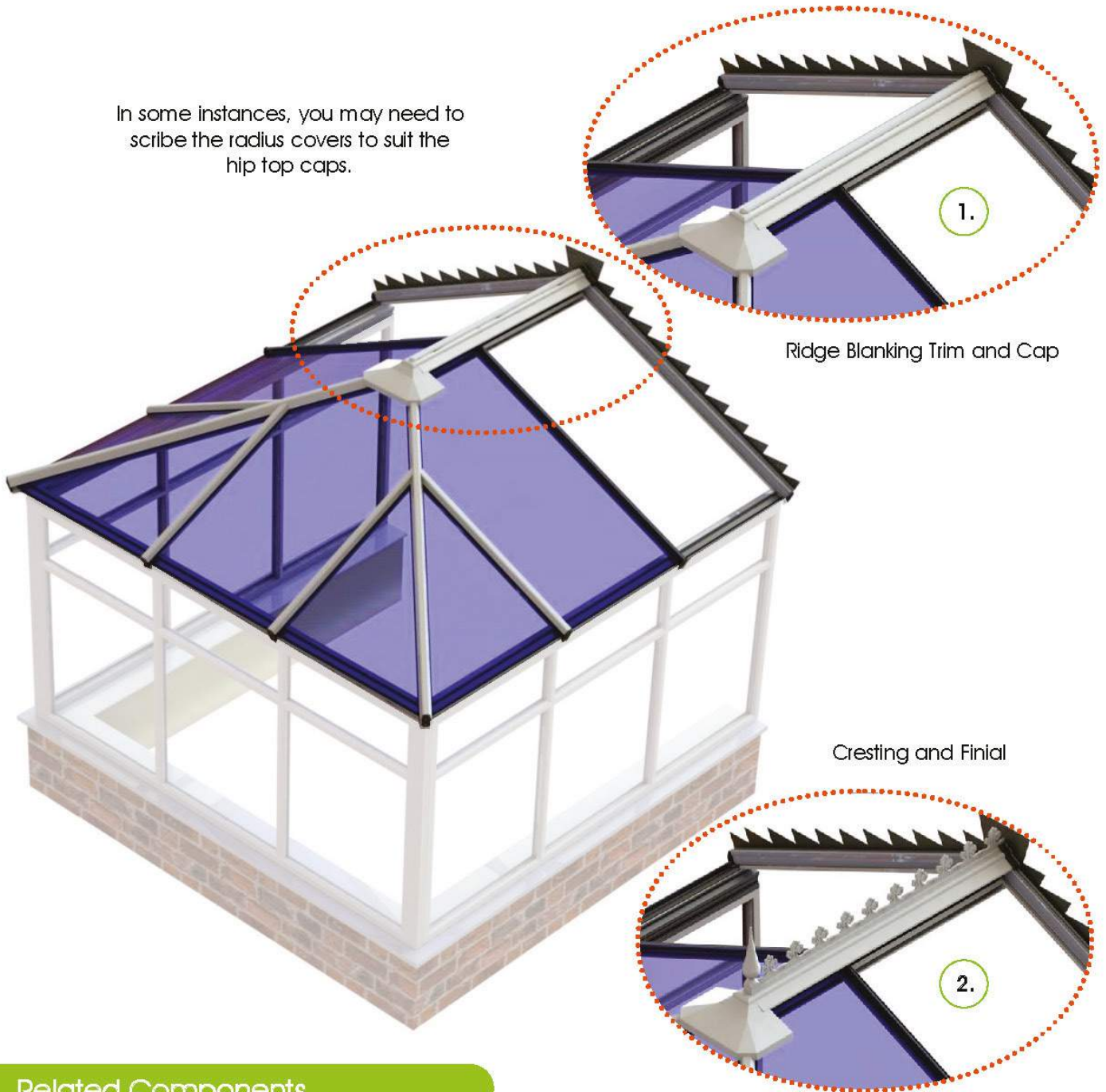
Once in position, seal along the ends of the hip bar top caps and the edge of the fascia trims on the ridge. Seal using an appropriate sealant.



3.13 – Ridge Cover Assembly

This section shows how to fit the ridge cover assembly. The ridge cover and square/round external cover will come pre-assembled with roof kits. The finial and cresting/blanking trim will then be attached to this.

In some instances, you may need to scribe the radius covers to suit the hip top caps.

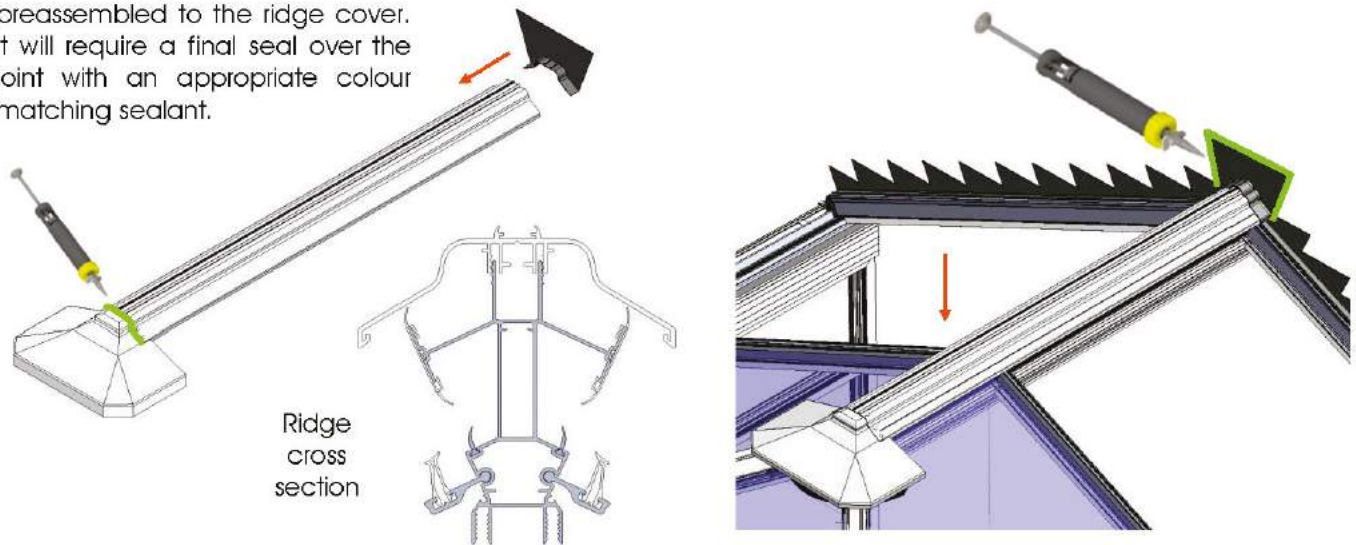


Related Components ...

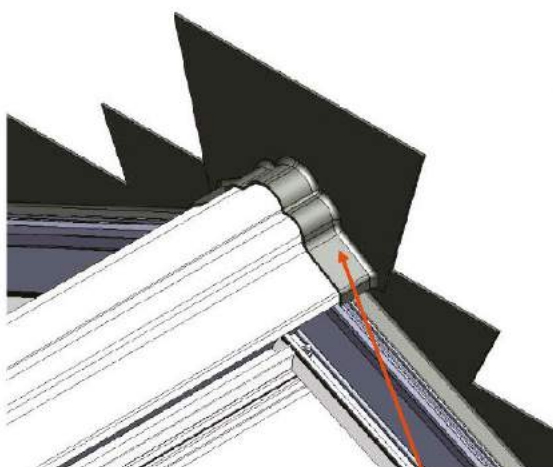
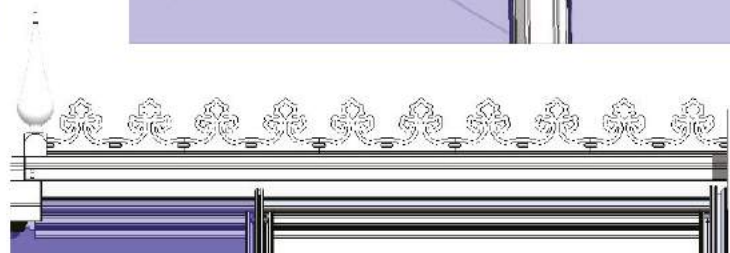
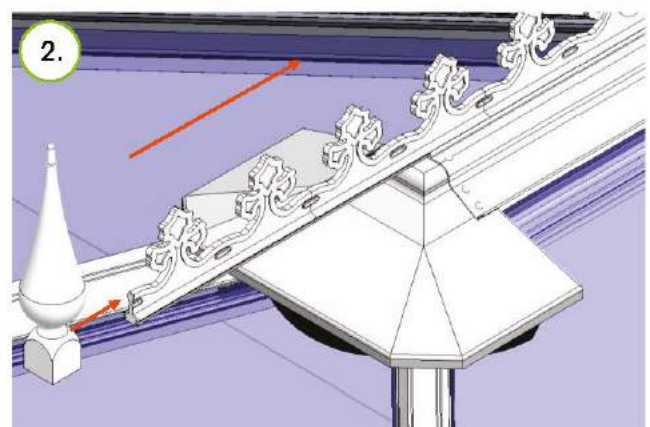
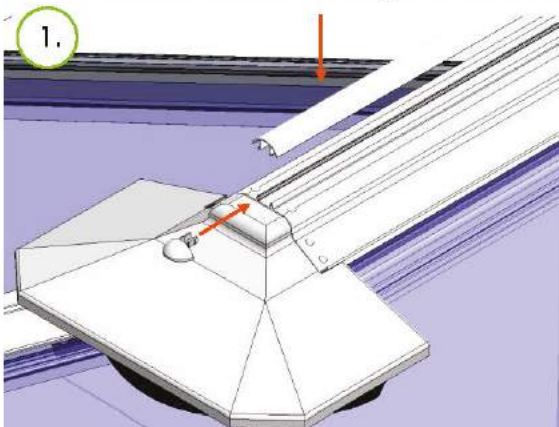
Ridge Cover Assembly



The radius cover will arrive preassembled to the ridge cover. It will require a final seal over the joint with an appropriate colour matching sealant.



Use an appropriate sealant to secure the ridge flashing trim to the end of the ridge cover. This is then fitted to the top of the ridge with the flashing trim pushed up to the wall. Once in position use an appropriate sealant to seal around the edges of the flashing trim.



1. If fitting the blanking trim and end boss, the blanking trim will need to be notched to fit over the ridge flashing trim. Secure in place then glue the end boss in place using an appropriate adhesive.

2. If fitting the cresting and finial, first measure the length of crestings required and ensure that the wall end cresting is cut to allow for flashing. Slide the crestings into the channel in the ridge cover and repeat until ready to fit the finial. Apply a suitable adhesive to the finial and slide this into the end of the ridge cover channel.

When blanking trims/cresting and finial have been fitted, the final piece of flashing can be secured over the ridge flashing trim and ridge cover.

3.14 – Glazing Assembly 2

Install the remaining glazing panels, glazing retainer trims and top caps.



Related Components ...



24mm Glazing (Typically glass)



25mm Glazing (Typically polycarbonate)



32mm Glazing (Typically polycarbonate)



LZPE0041



LZPE0042



LZPE0043



LZPE0028



LZPE0045



LZPE0046



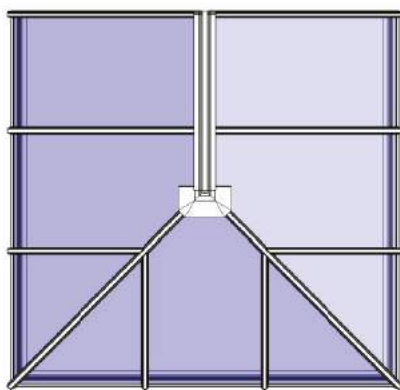
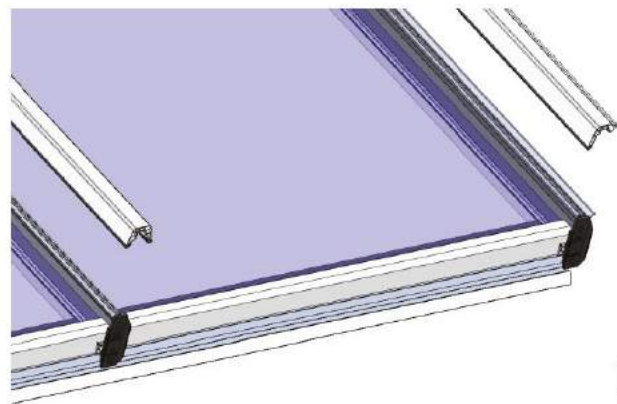
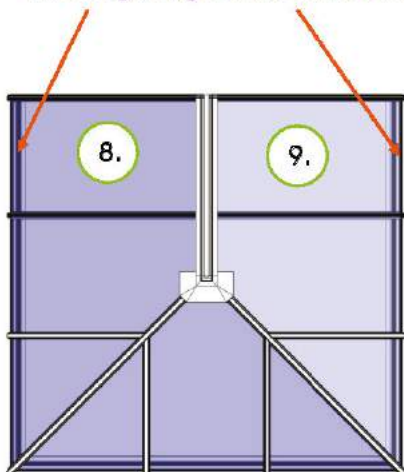
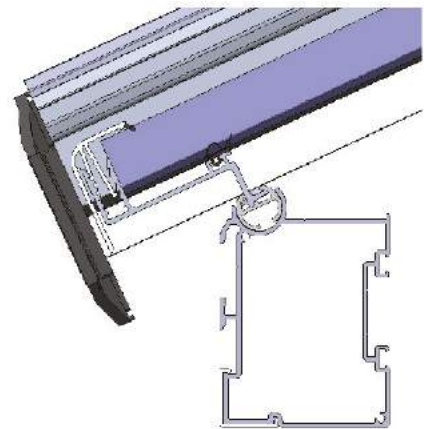


Install remaining glazing panels as shown below (see pages 26-27 for glazing technique). Ensure glazing is resting on the glazing retainer at the bottom of each glazing unit. Once positioned, insert the glazing retainer trims for all remaining glazed units.

Fit remaining top caps for transoms (LZPE0041/42/43) and for the wall bars (LZPE0045/46).

Liniar top caps are twin-walled for extra strength, durability and energy efficiency.

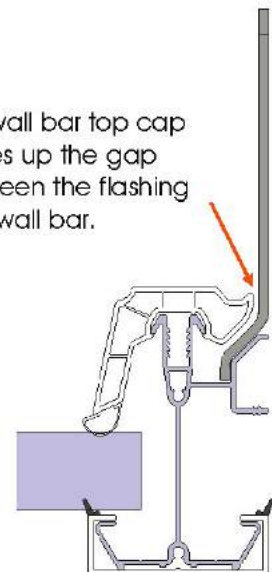
** Ensure glazing retainer trims are fitted before bar top caps **



All remaining top caps fitted

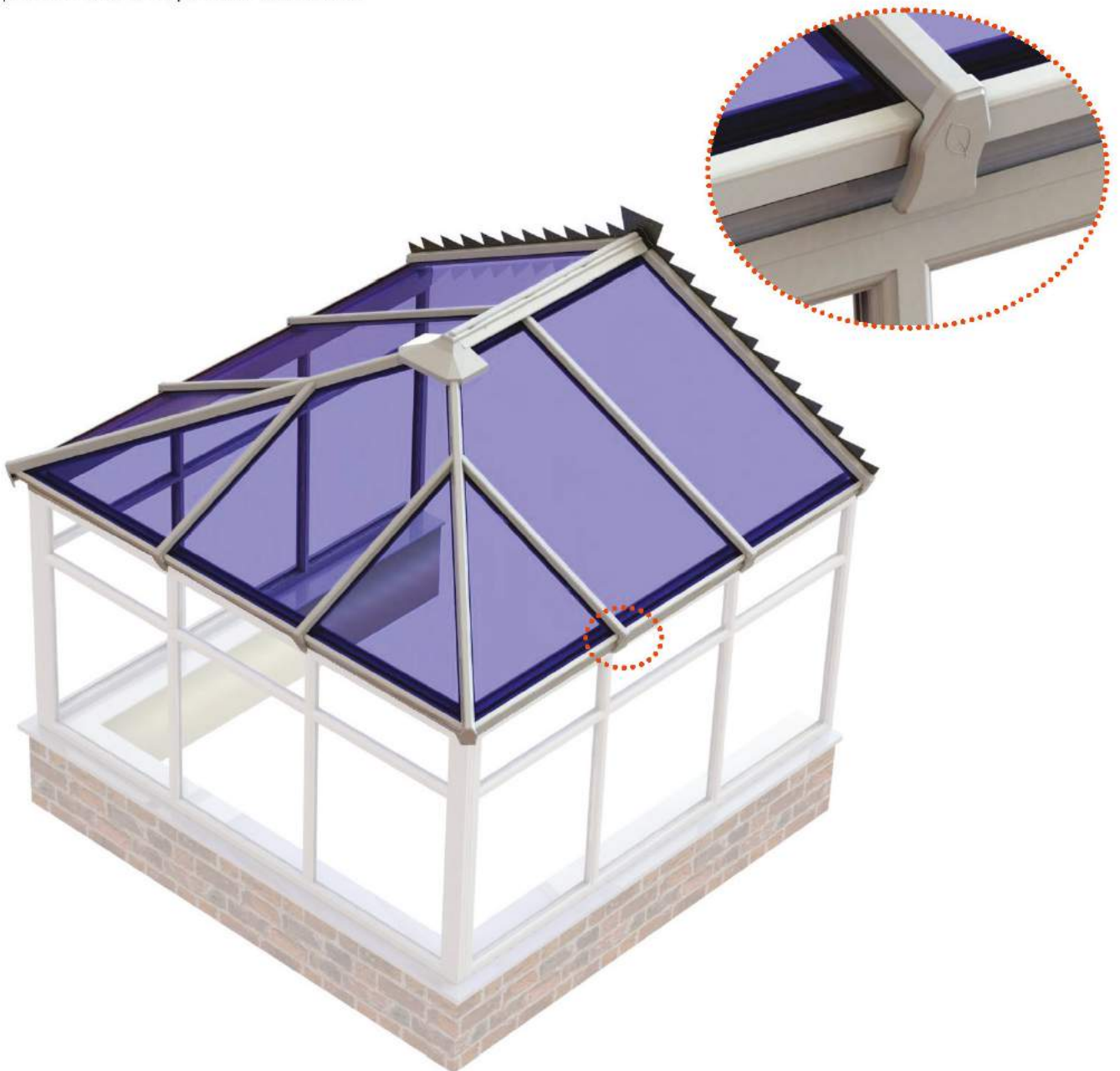


The wall bar top cap closes up the gap between the flashing and wall bar.



3.15 - Roof Bar End Caps

The roof bar end caps are installed to the ends of all bars. Ensure the end cap mounting brackets are present as the caps slide onto them.



Related Components ...



LZMP0053

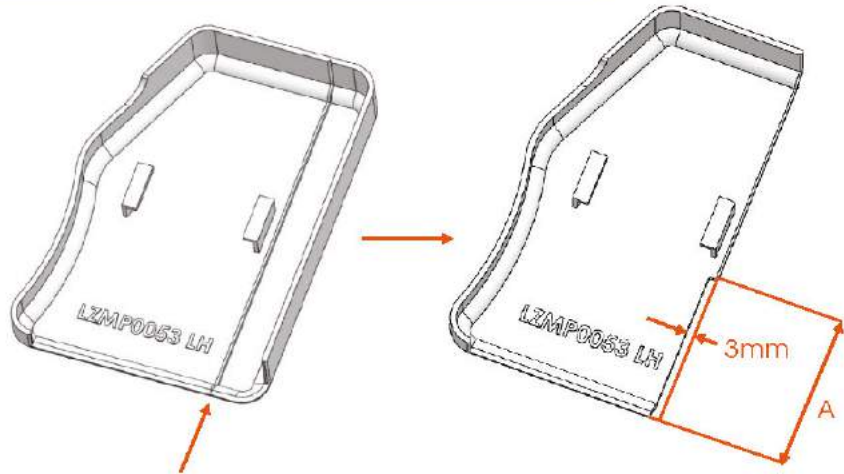
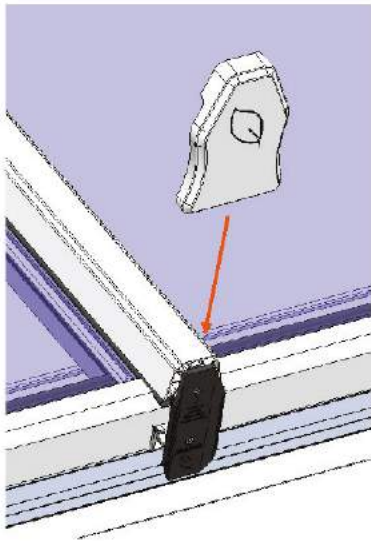


LZMP0051



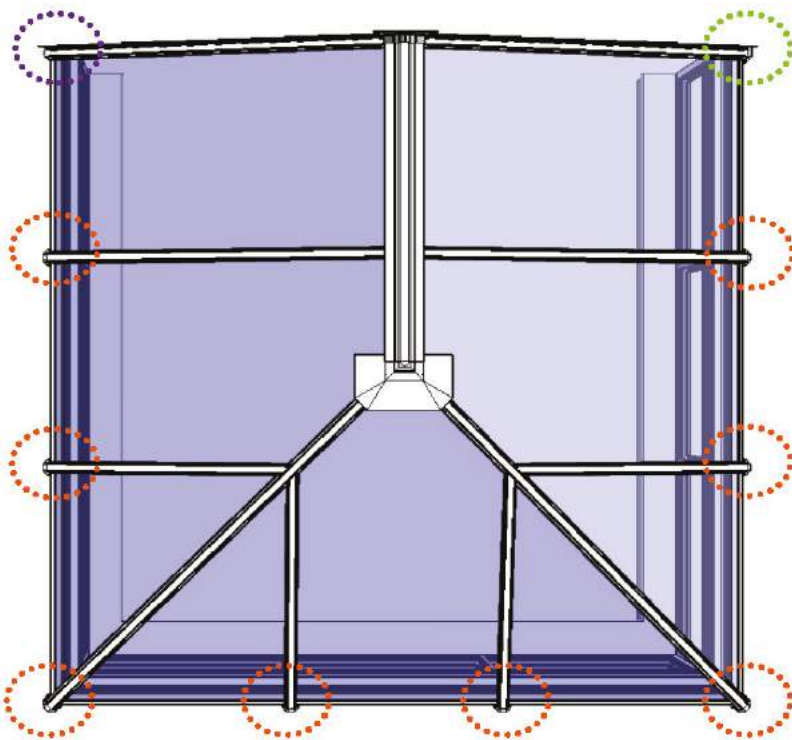
LZMP0054





Wall/end bar caps (LZMP0053/4) can be used in two applications. Either capping the wall bar or capping an end bar on a gable / lean to. If being used for the wall end side they must be cut down along the guideline indicated above and then notched as per the table below.

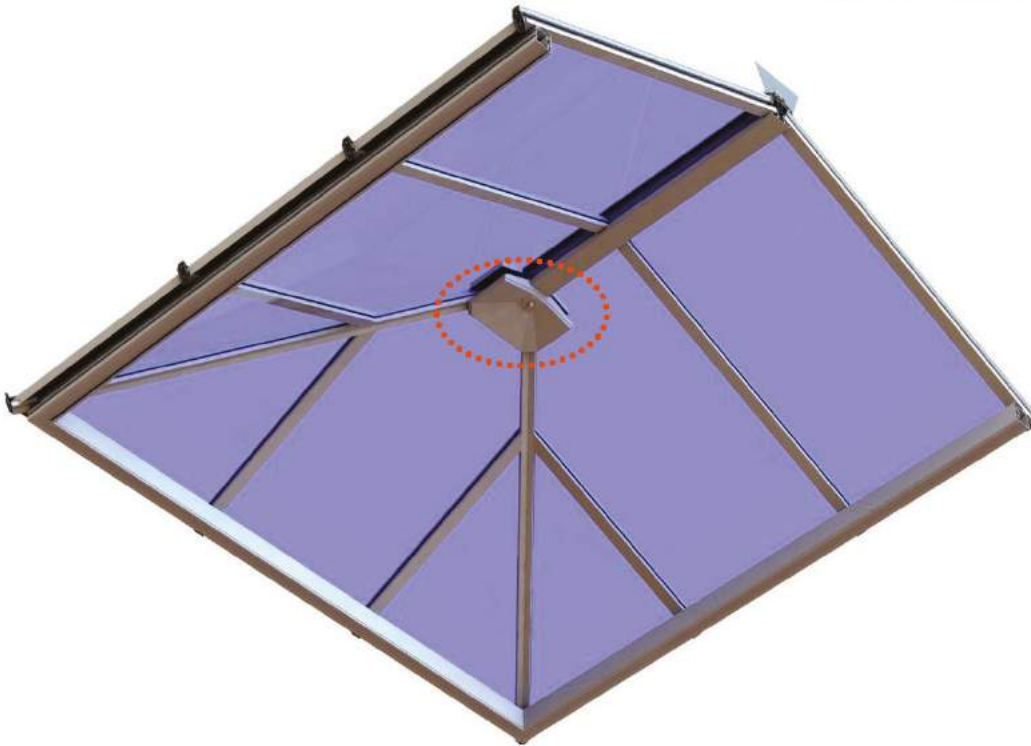
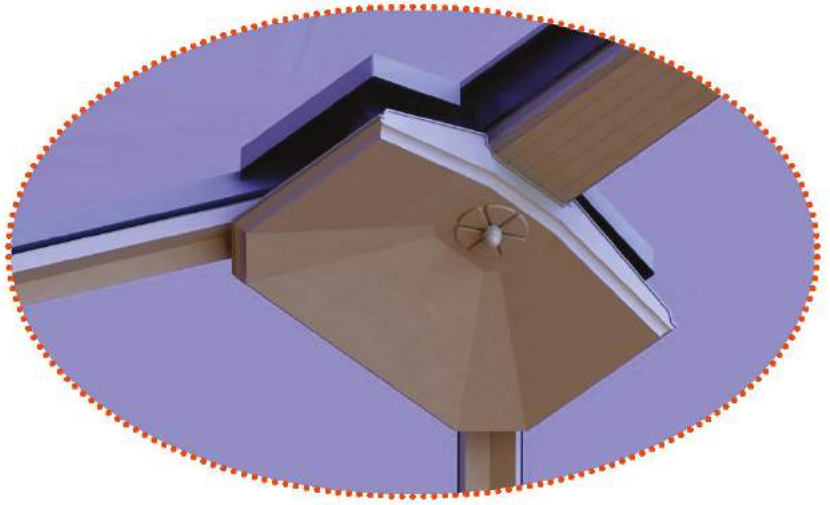
All other bars use the roof bar end caps (LZMP0052). The diagram below shows the correct positioning.



Roof Pitch °	Dim A (mm)	Roof Pitch °	Dim A (mm)
15	39.5	28	60.0
16	41.0	29	62.0
17	42.5	30	64.0
18	44.0	31	66.0
19	45.5	32	67.5
20	47.0	33	70.0
21	48.5	34	71.5
22	50.0	35	74.5
23	52.0	36	76.5
24	53.5	37	78.5
25	55.0	38	81.0
26	57.0	39	83.0
27	58.5	40	85.5



3.16 – Internal Cover Assembly



Related Components ...



Internal Covers



LZSU0055

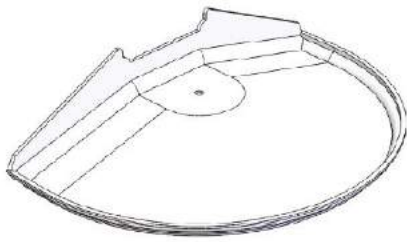


LZFX0010

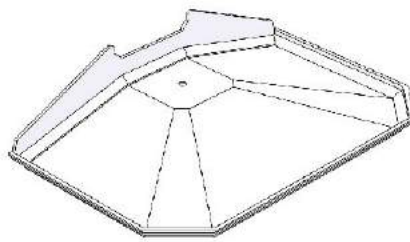


LZSU0056

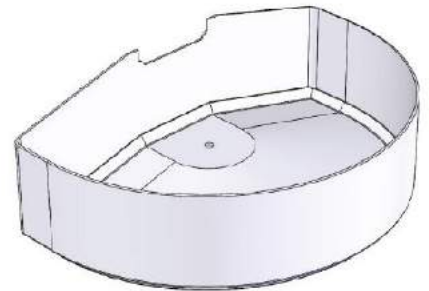




LZMP0023

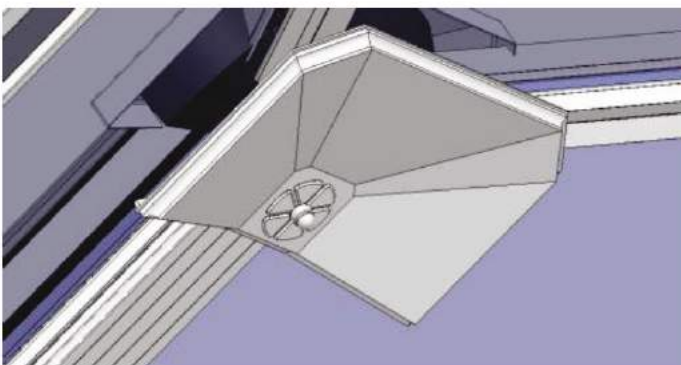
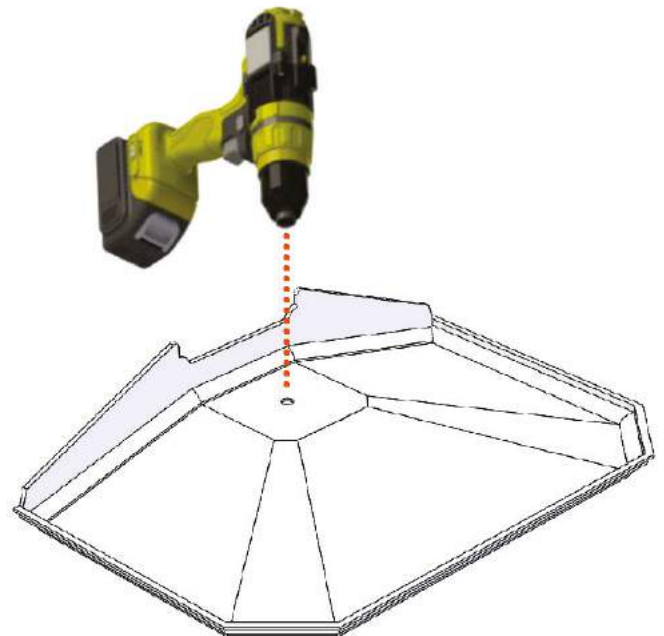
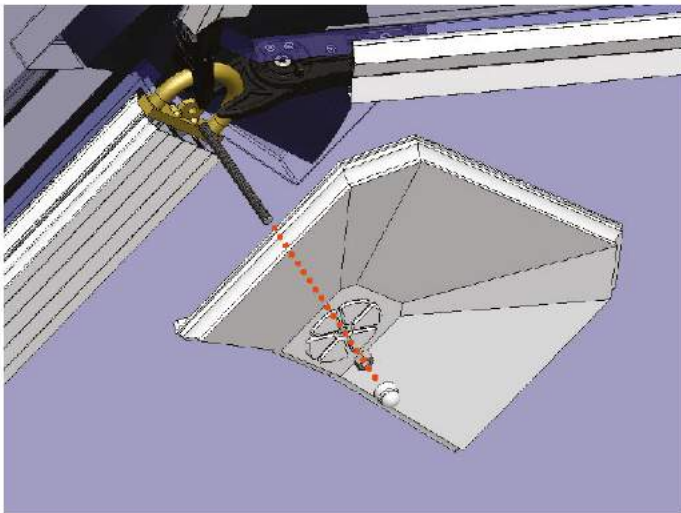


LZMP0025



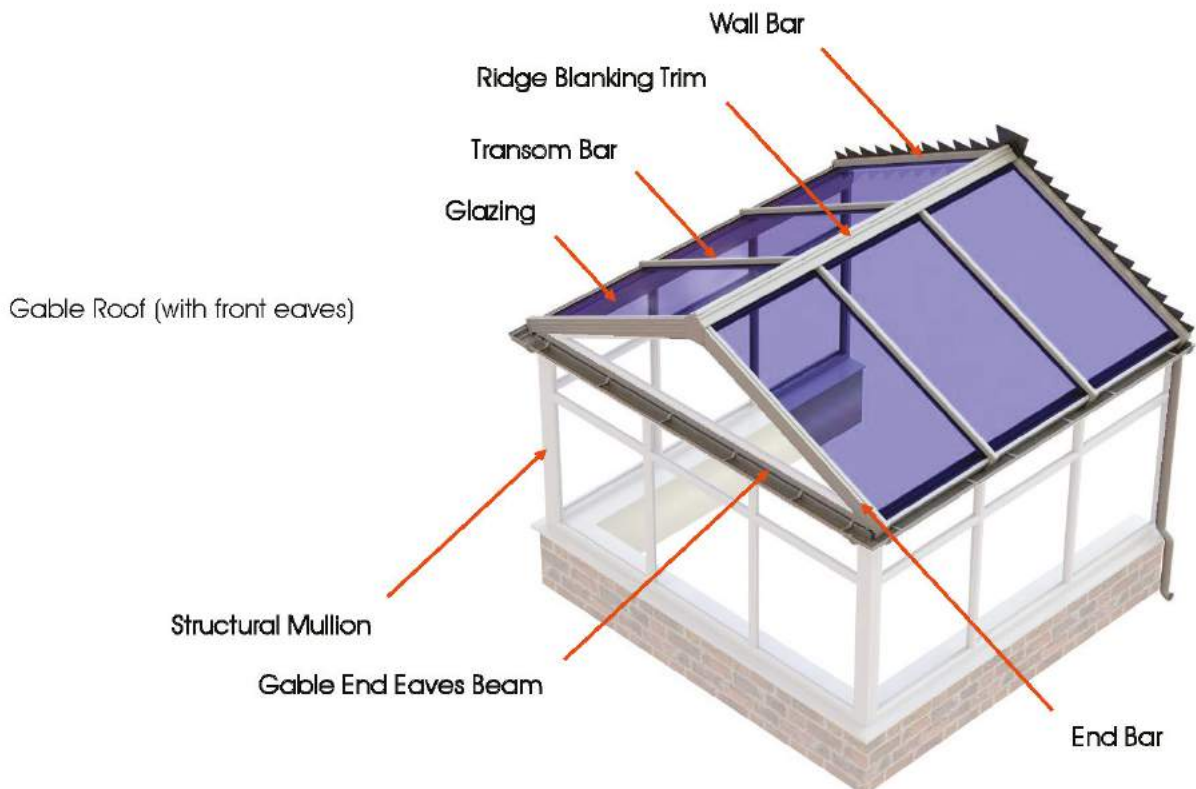
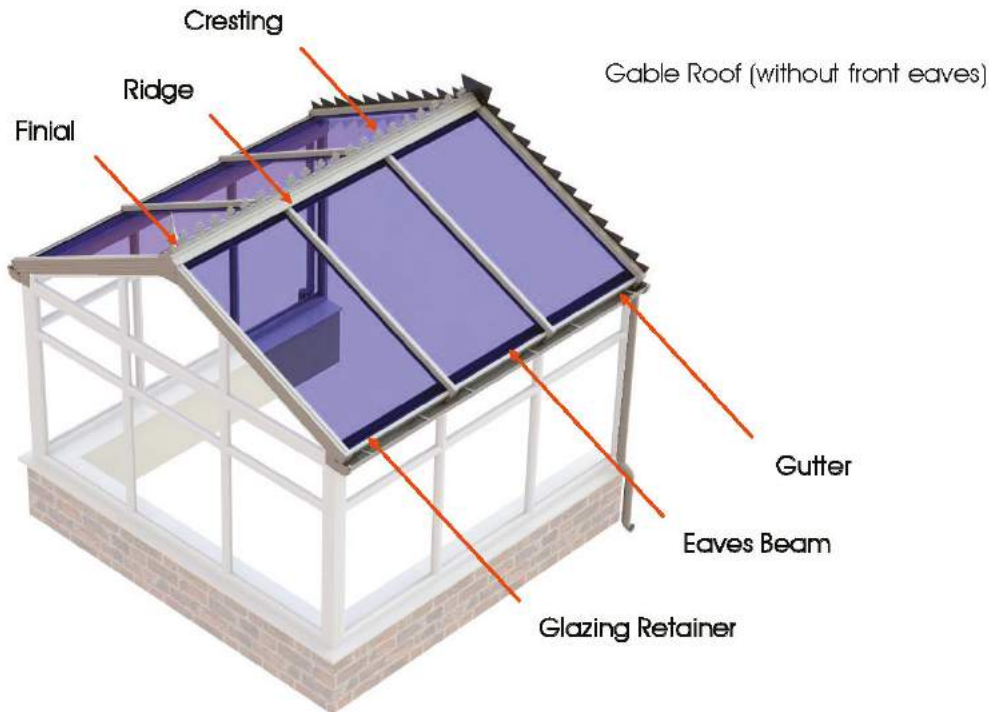
LZMP0048

1. Insert the 130mm stud (LZSU0055) into the D-ring.
2. You will need to prep the internal cover by drilling a 10mm pilot hole through the centre.
3. Then push the internal cover onto the studding and fit an M10 nut to secure in place.
4. Finally, cap the M10 nut with a nut cap.



4.00 – Gable End Roof Assembly Overview

This section details the assembly steps required for gable roofs. Many of the assembly steps are common to other duo pitch roofs and may have already been covered previously in this guide.



Installation Steps...



Preparation
Section 3.00,
pages 6-7



Eaves Beam Assembly
Section 5.00, pages 42-43
Section 3.01, pages 8-9



Glazing Retainer Assembly
Section 3.02,
pages 10-11



Wall Bar and Ridge Assembly
Section 5.01, pages 44-45
Section 3.03, pages 12-13



Transom Bar Assembly
Section 3.04,
pages 14-15



Wall Bar Fixing / Flashing
Section 3.07,
pages 20-21



Internal Trims
Section 3.08,
pages 22-23



Tie Bar Assembly
Section 3.09,
pages 24-25



Glazing Assembly 1
Section 5.02, pages 46-47
Section 3.10, pages 26-27



Ridge Cover / End Plate Assembly
Section 5.03,
pages 48-49



Glazing Assembly 2
Section 3.14,
pages 34-35



Roof Bar End Caps
Section 3.15,
pages 36-37



Guttering Assembly
Section 6.00,
pages 50-51

5.00 – Gable End - Eaves Beam Assembly

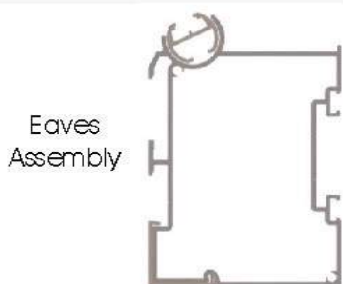


Gable Roof (Without front eaves)

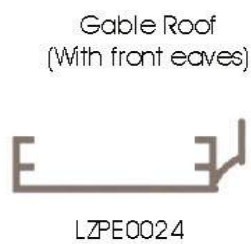
Gable Roof (With front eaves)



Related Components ...



Eaves Assembly



Gable Roof (With front eaves)

LZPE0024



LZSU8261

LZFX0004



LZFX0020

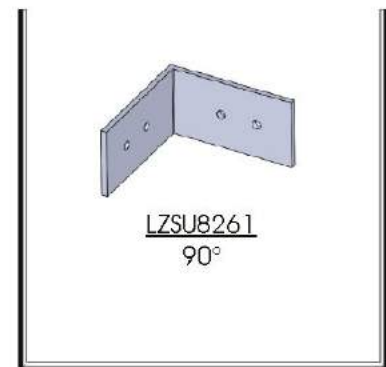
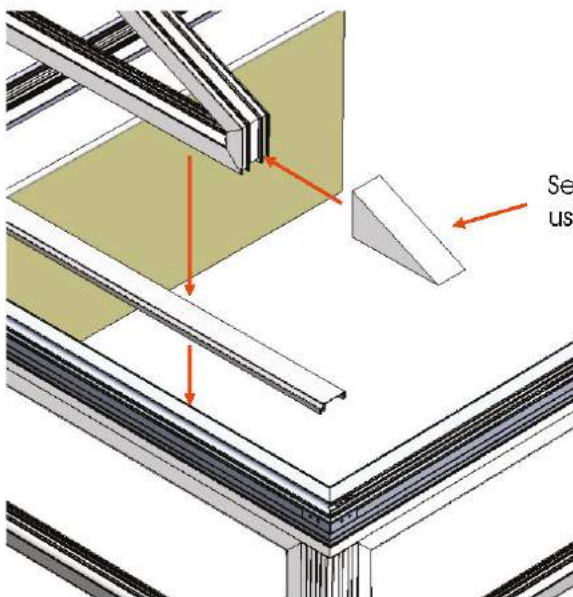
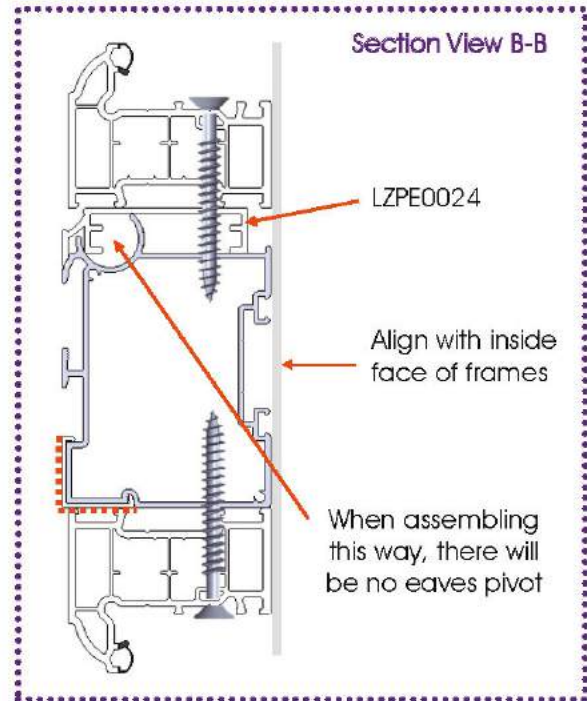
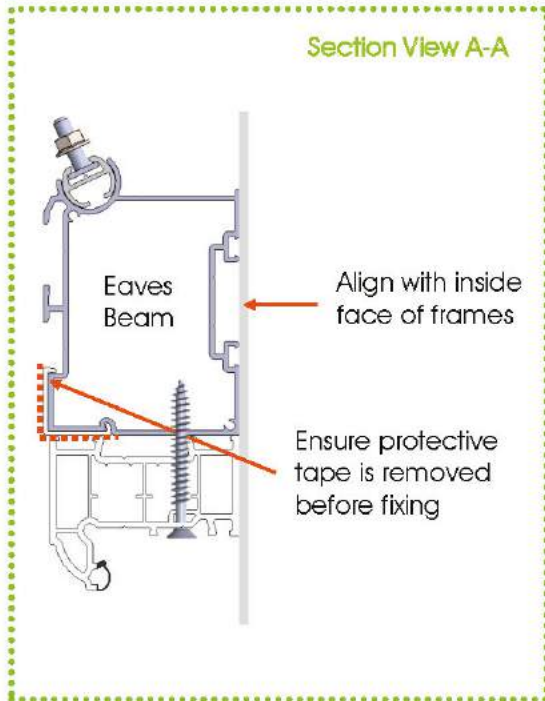


LZFX0018



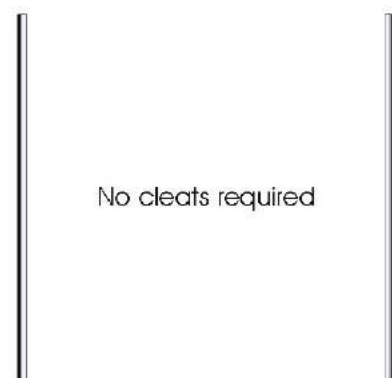
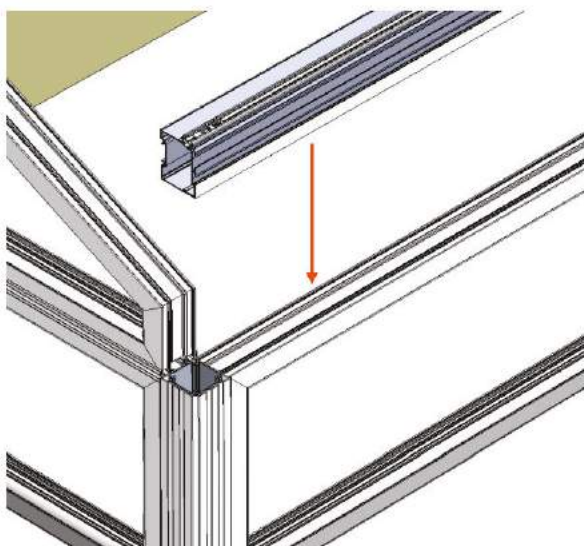
LZFX0001





Secure the eaves to frames and then use LZPE0024 as a spacer to position the gable frame on top of the eaves beam. Secure in place, aligning the inside face of frames.

For more information, see section 3.01, pages 8-9 for the eaves beam assembly.



Position the left and right eaves beams, aligning the inside face with the frames. Secure in place with appropriate frame fixings.

5.01 – Gable End – Wall Bar and Ridge Assembly



Related Components ...

Ridge
Assembly



LZPE0012



Wall Bar
Assembly



LZFX0020

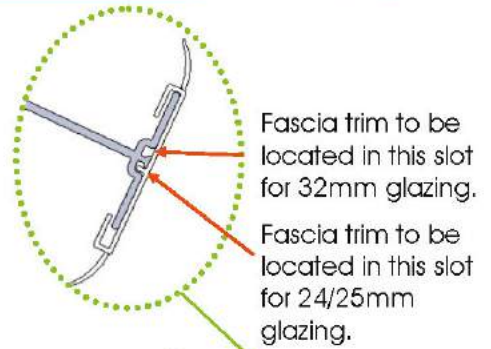


LZFX0018

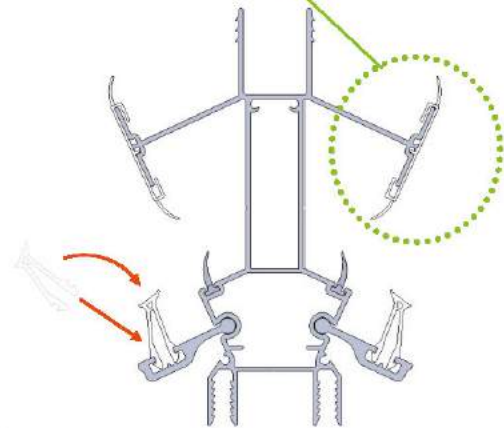




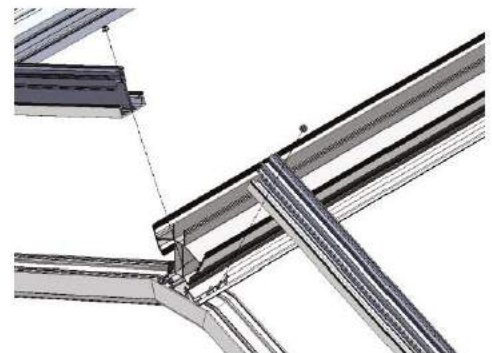
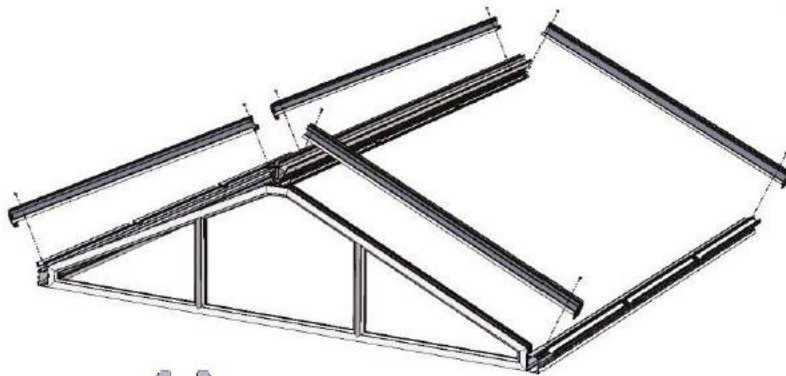
Glazing supports to be inserted between fixings on ridge before fitting to wall bars. This will help to position the fixings to fit the roof bars too.



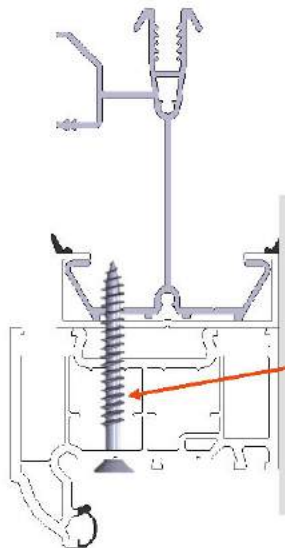
The end of the ridge will be notched to allow it to be positioned on top of the gable end frame. This will also help to support the ridge whilst the wall and end bars are fitted.



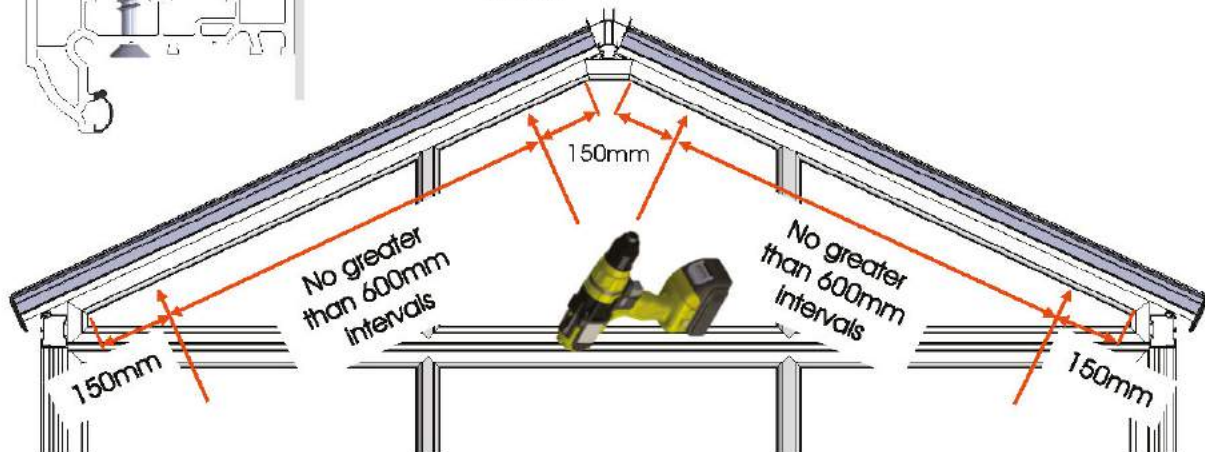
Ridge cross-section



Fix wall and end bars into position on eaves beams and ridge. See section 3.03, pages 12-13.

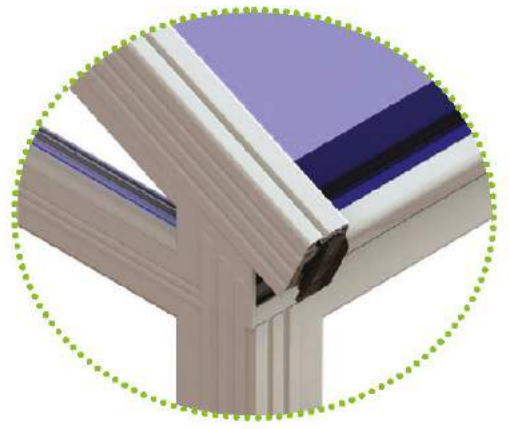


End bars should be aligned with the internal face of the gable frame. Once aligned, the end bars can then be fixed to the gable frame. Where possible, fix through the frame into the aluminium of the end bar. If this is not possible, fix through the end bar into the frame.

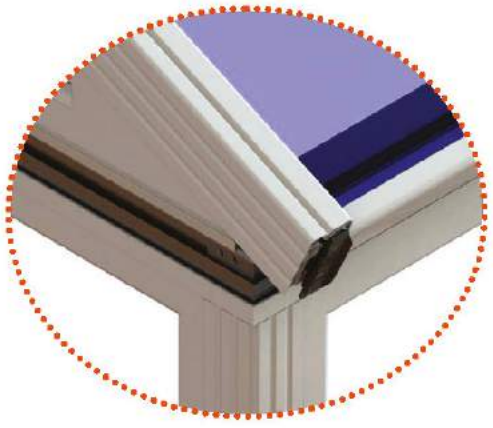


5.02 – Gable End - Glazing Assembly 1 & Top Cap Assembly

** Always ensure that tie bars are installed prior to glazing **












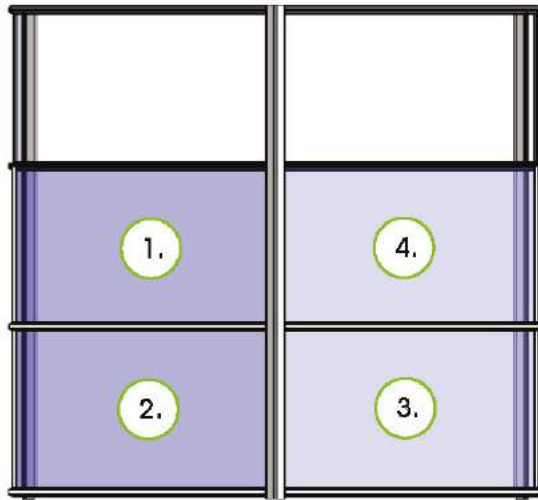
Gable Roof (without front eaves)



Gable Roof (with front eaves)

Related Components ...

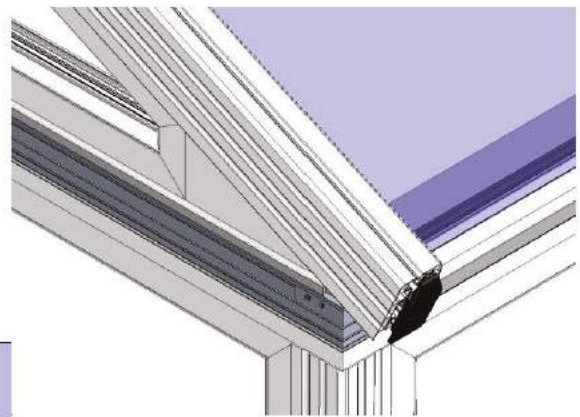
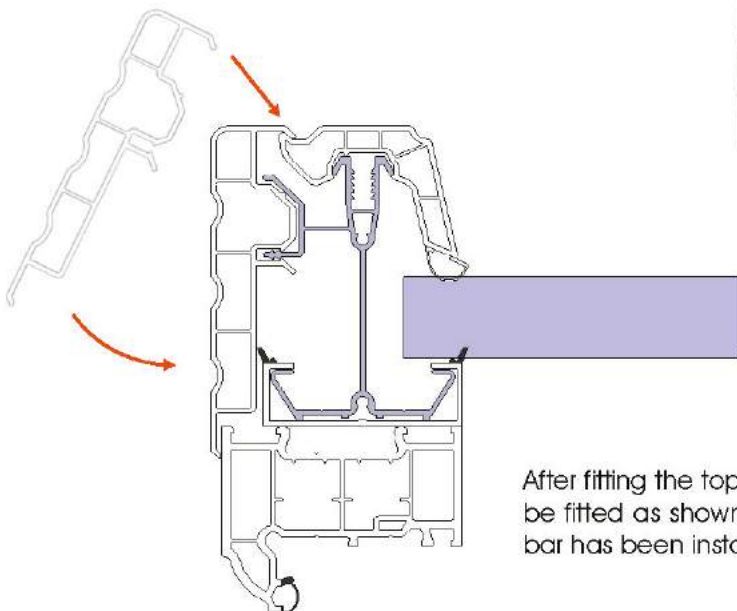
	24mm Glazing					
		LZPE0041	LZPE0042	LZPE0043		
	25mm Glazing					
		LZPE0028	LZPE0045	LZPE0046	LZPE0047	LZMP0055/6
	32mm Glazing					



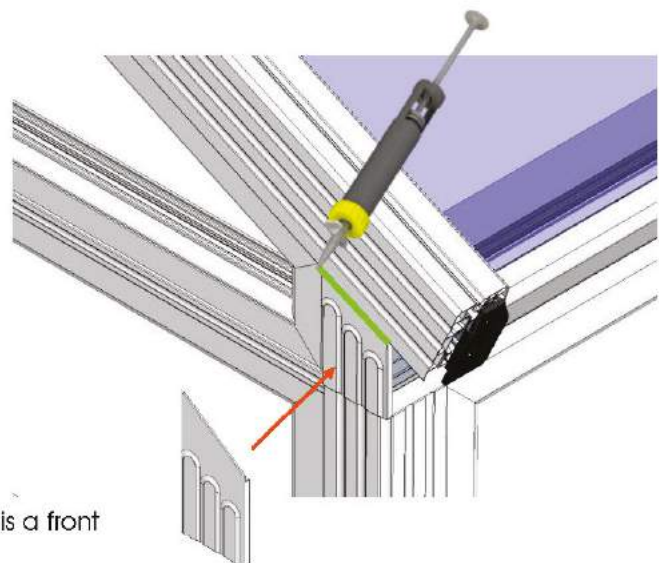
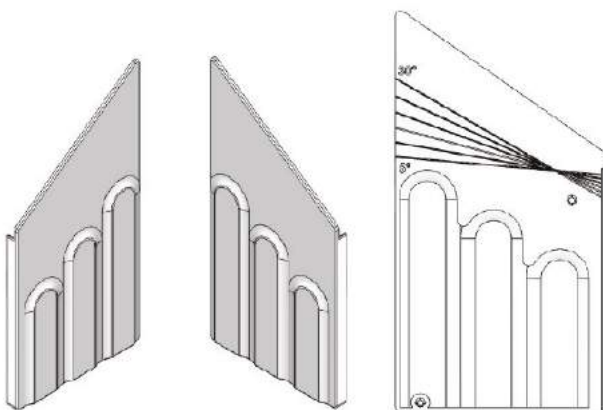
Glaze the roof in the order shown to the left. Glazing retainer trims should be fitted to the bottom of all glazing panels prior to fitting the top caps.

Once the glazing trims are installed, the end bar top caps and transom top caps can then be fitted.

For details of how to assemble glazing panels, glazing retainer trims and top caps, see sections 3.10, pages 26-27 & 3.11, pages 28-29.



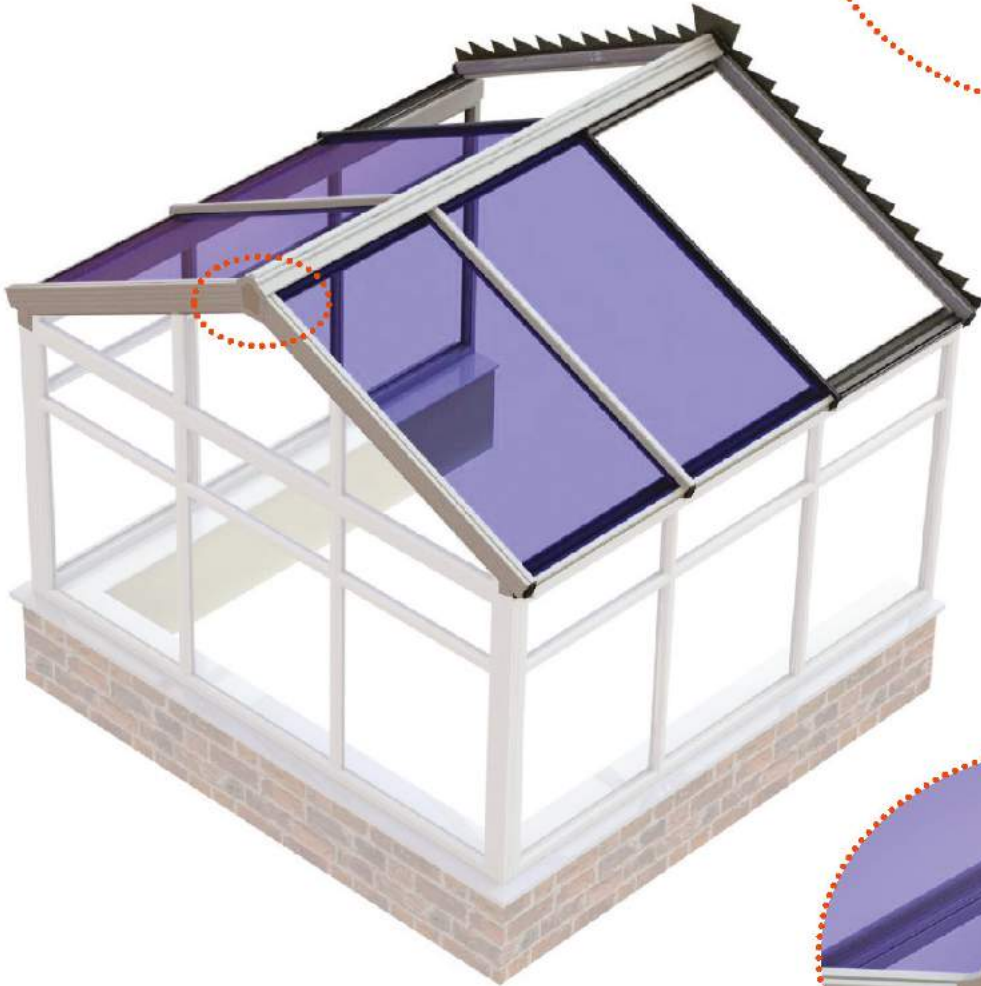
After fitting the top caps to the end bars, the end bar cloak can be fitted as shown on the left. Again, it is essential that the end bar has been installed flush with the internal frame face.



Eaves beam end caps are not required when there is a front eaves beam.

Eaves end caps should be cut down to the appropriate angle to match the pitch of the roof. Guide markers on the back of the cap indicate what part needs cutting. The caps can then be inserted into the end of the eaves beam and a bead of appropriate sealant should be run along the top edge of the cap.

5.03 – Gable End - Ridge Cover / End Plate Assembly



Ridge Blanking Trim



Cresting and Finial

Related Components ...



LZPE0011



LZMP0017



LZMP0014



LZPE0023

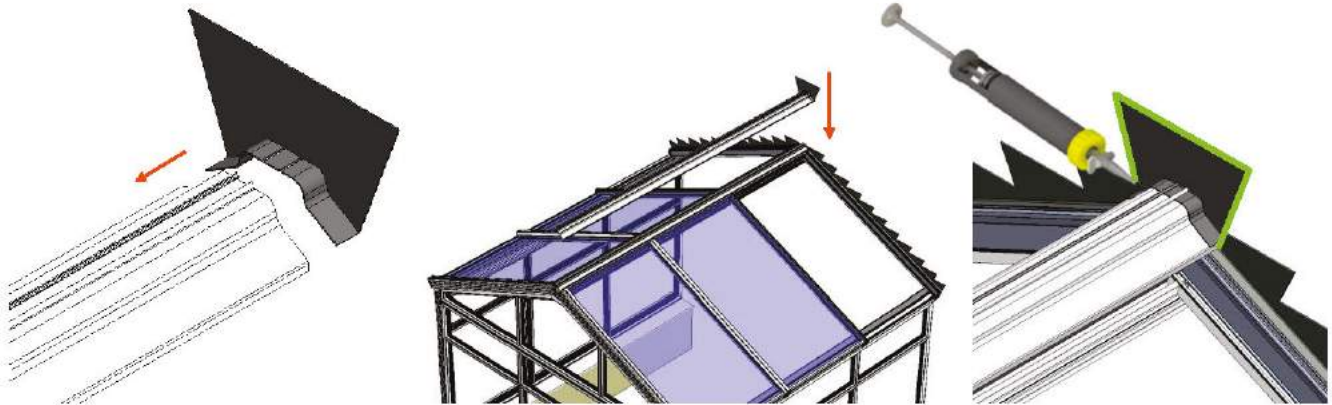


LZMP0007

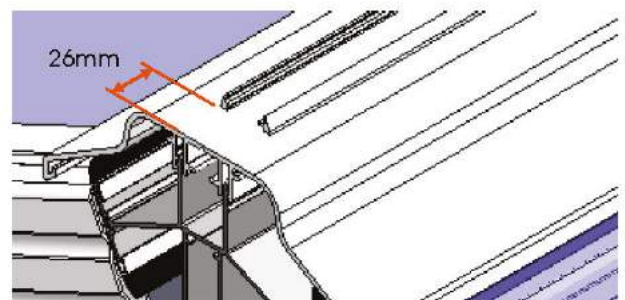


LZMP0008

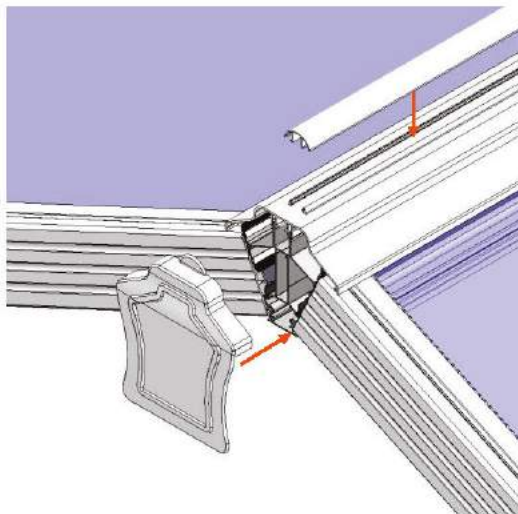
Flashing trim and ridge cover



Use an appropriate sealant to secure the ridge flashing trim to the end of your ridge cover. This is then fitted to the top of the ridge with the flashing trim pushed up to the wall. Once in position, seal around the edge of the flashing trim. Again, ensure an appropriate sealant is used.

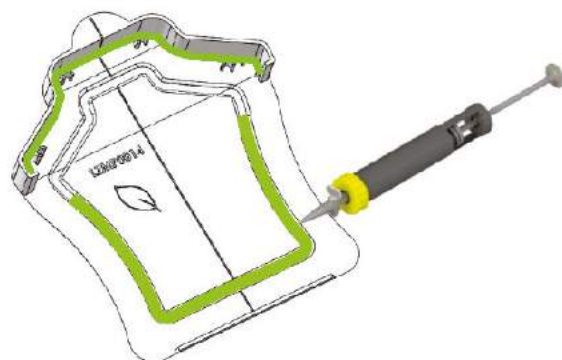


Gable end plate with ridge blanking trim

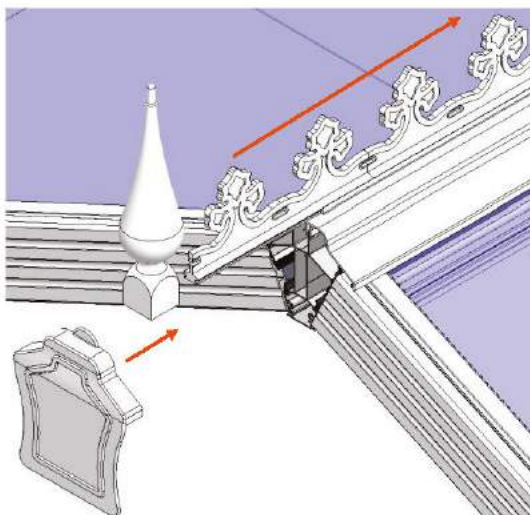


Before the ridge cover is installed you will need to trim away the two legs on top of the ridge cover, flush with the top face. This is to allow the gable end plate to slide into position.

Ensure that the full length of ridge blanking trim is installed. Then apply an appropriate sealant around the top inside face of the gable end plate (see below). Also apply a sealant in the groove run on the back of the gable end plate as shown below. This can then be pushed into position on the end of the ridge. Wipe away any excess sealant.



Gable end plate with finial and cresting

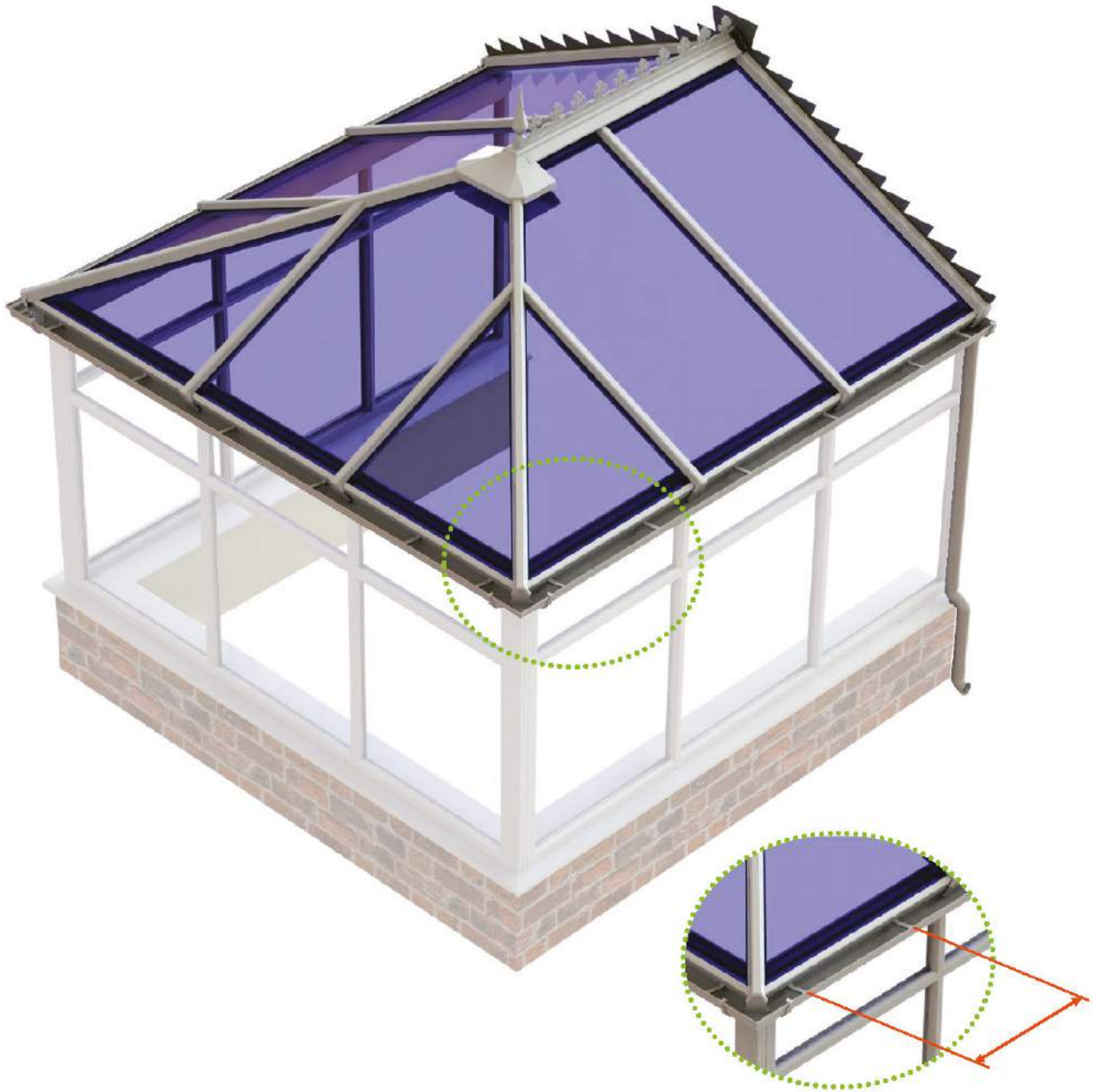


Cut the cresting to suit the ridge (see pages 32-33). Once cut to the correct length, slide the crestings into the slot in the ridge cover. Fit the finial and secure in place with a suitable adhesive.

Now prepare the gable end plate. Apply sealant around the top inside face of the gable end plate (see above). Also apply a seal in the groove run on the back of the gable end plate as shown above. This can then be pushed into position on the end of the ridge. Wipe away any excess sealant.

6.00 – Guttering Assembly

This section details the installation of the guttering.



Gutter clips to be no greater than 500mm apart.

Related Components ...



LZRG8710



LZRG8700



LZRG8320



LZRG8701



LZRG8702

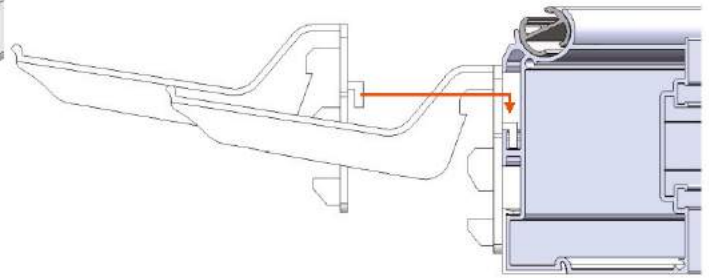
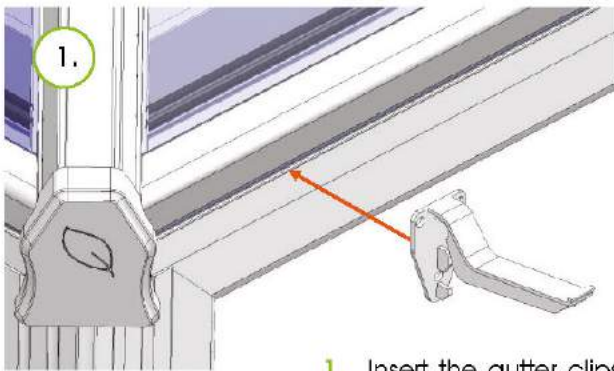


LZRG8720



LZRG8730



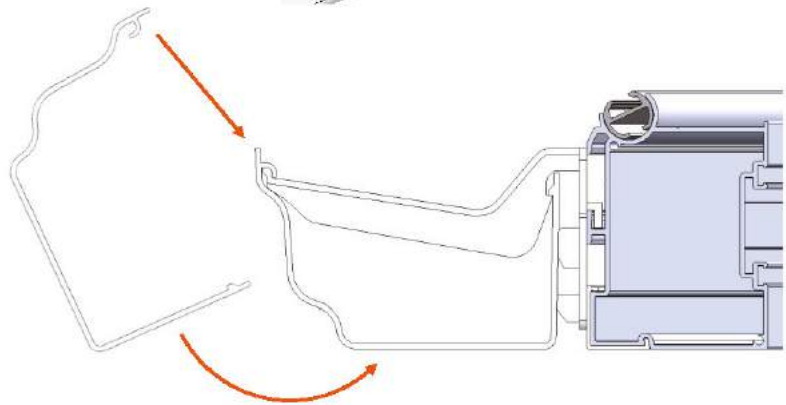
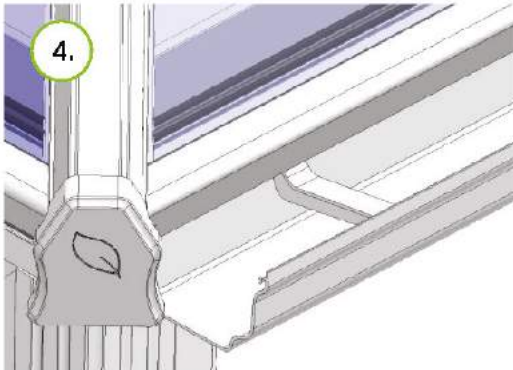
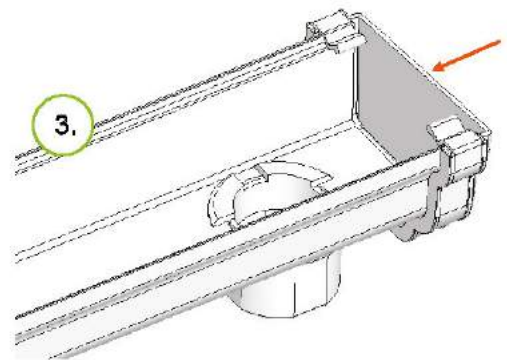


1. Insert the gutter clips into the eaves beam by clipping into place as shown above. Gutter clips should be spaced evenly along the eaves beam at no greater than 500mm intervals. They should also be positioned no greater than 150mm from corners.

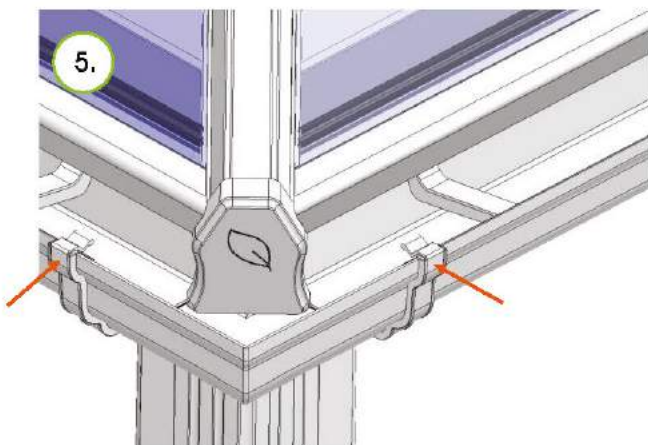


2. Determine where the downpipe will be, drill a 60mm hole in the guttering and fit the multi-positional outlet.

3. Fit all stop ends to the guttering.

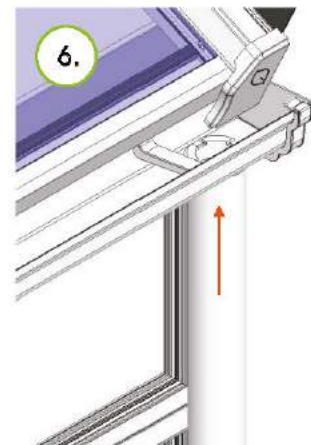


4. Install the guttering to the gutter clips by firstly hooking the outside edge on to the end of all the clips. Once attached to all clips, rotate the guttering towards the eaves until it locks into place.



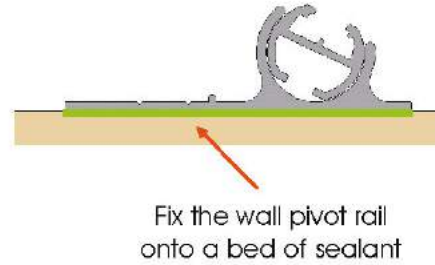
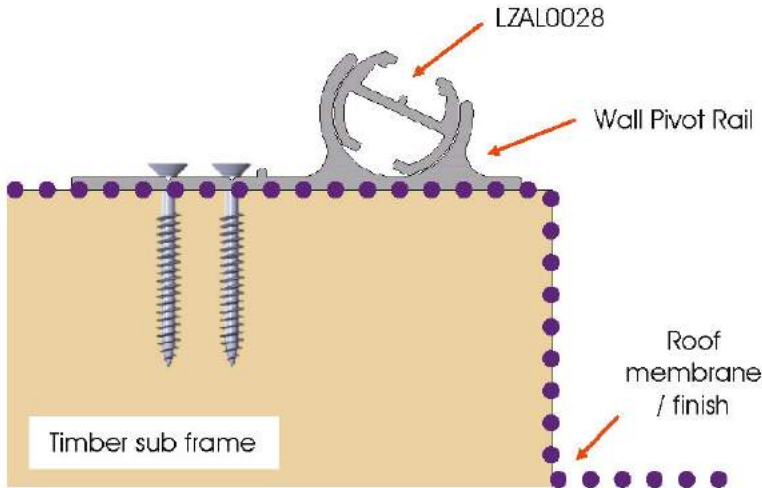
5. Now fit both the gutter angle joints, ensuring all seals are in correct position and all clips are in place.

6. Connect the downpipe to the multi-positional outlet.

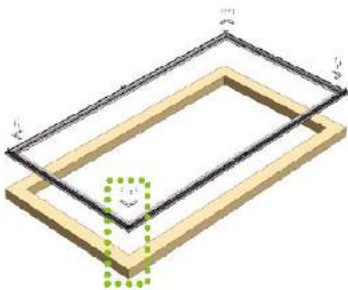


7.00 – Wall Pivot Rail

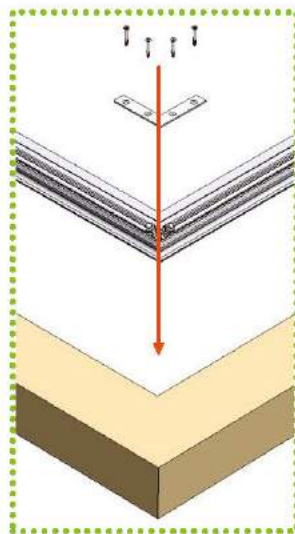
The wall pivot rail assembly eliminates the need for the use of rainwater goods. It is ideal for use in lantern roof applications. We suggest that the timber sub-frame is dressed with the roof membrane/finish before the roof is installed. Run two lines of appropriate sealant around the perimeter and apply a line of sealant to mitre cuts. Bed the wall pivot rail into the sealant. The wall pivot rail should then be secured with appropriate proprietary fixings at 600mm centres (150mm from corners).



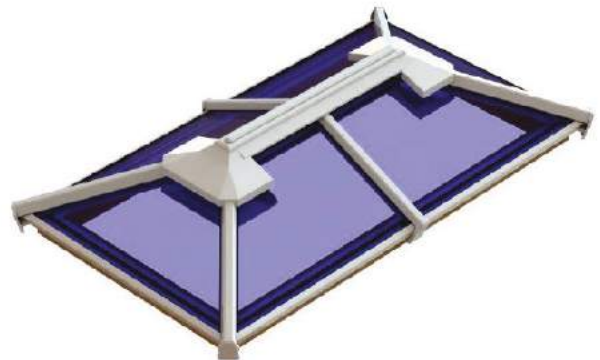
Lantern Roof Assembly



Mitred corner joints are joined with flat cleats and sealed at the mitred joint.



Ensure suitable clearance around the sub-frame for the roof bar end caps (LZMP0052). Linar provides a report detailing the height required whenever a wall pivot rail is used.



Lantern roofs are built up as a double hipped duo pitch roof assembly.

Related Components ...



LZAL0044



LZSU0001



LZSU0002

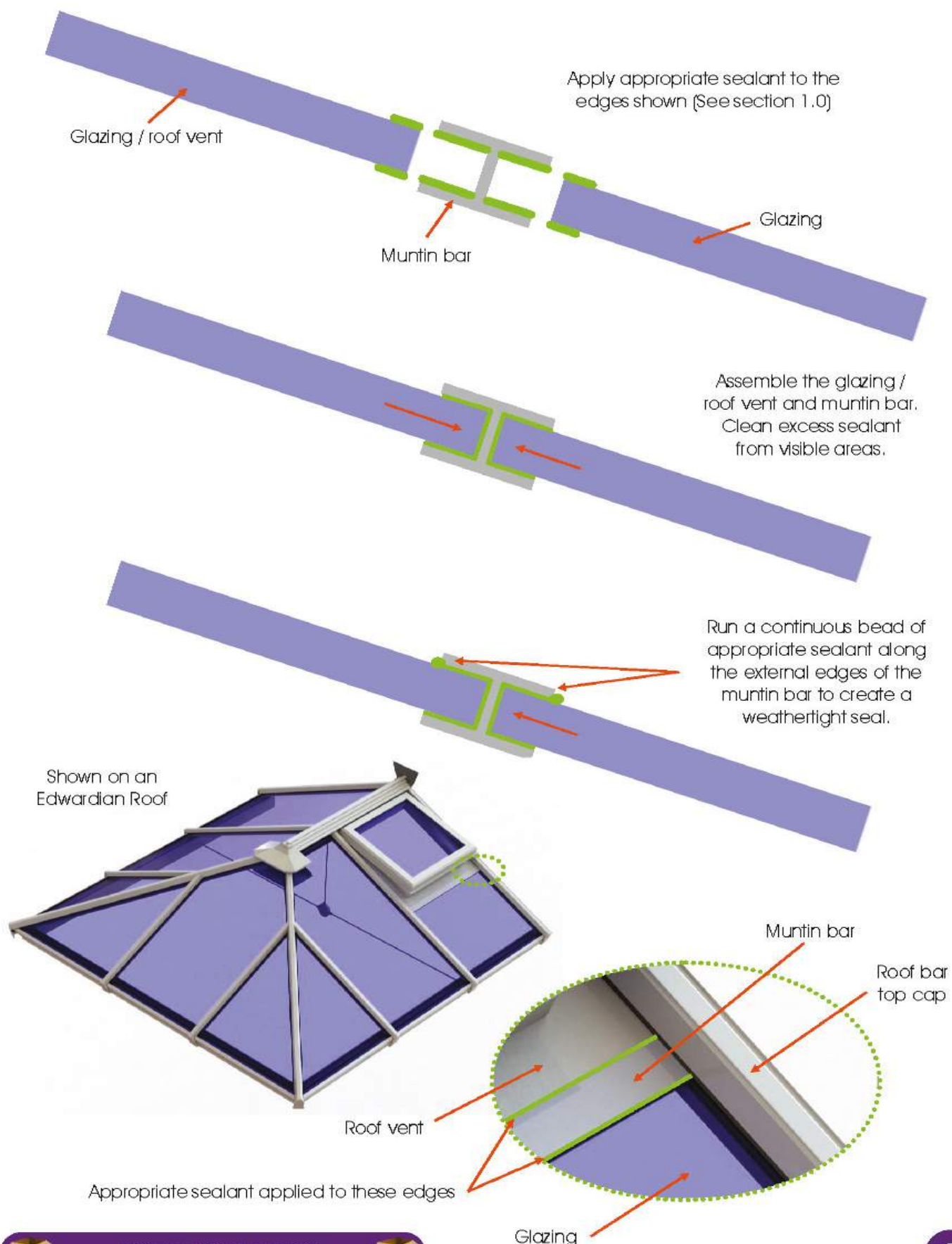


LZFX0004



8.00 – Muntin Bar and Roof Vent Assembly

This section details the installation of muntin bars and roof vents. For further details see the manufacturer's instructions supplied with your roof vent and muntin bar.



A series of horizontal dotted lines for writing notes, spanning the width of the page.

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