

# 10ft Wide Instruction Manual

(Use in conjunction with main greenhouse instructions)



Made in the United Kingdom



<b>Contents:</b>	<b>Section</b>	<b>Page</b>
Introduction	-	3
Base Preparation	1	4
Overview	2	5
Base Assembly	3	6-7
Side Assembly	4	8-10
Door Installation	5	11-12
Fixing Down	6	13
Gable Installation	7	14
Transom Window Installation	8	15-16
Ridge Installation	9	17
Eaves Plate Installation	10	18
Roof Frame Installation	11	19-20
Gable Soffit Installation	12	21
Roof Sheet Installation	13	22-23
Rear Fascia Installation	14	24
Trims & Cloaking Installation	15	25-30
Greenhouse Installation	16	31
Gutter Installation (Optional)	17	32-33
Roof Felt Installation	18	35-37
Barge Board Installation	19	38
Ridge Fascia Installation	20	39
Work Bench Installation (Optional)	21	40-41
Packing Lists		42-43

# Introduction

**Thank you for purchasing your new Alton building. We recommend you familiarise yourself with the instructions and read all safety information before you commence assembly. This instruction manual is also available online at [www.greenhousepeople.co.uk](http://www.greenhousepeople.co.uk) in the technical help section should you need to reprint it. Should you require any additional advice you can always call us on 01782 385409.**

## **Safety Warning**

- Glass, aluminium and timber can potentially cause injury. Please ensure you wear protective goggles, gloves, headgear and suitable footwear when assembling and glazing the building.
- Please remember that glass is fragile and should be handled with extreme care. Always clear up and dispose of any breakages immediately.
- Do not assemble the greenhouse/workshop in high winds.
- DIY assembly - For safety reasons and ease of assembly, we recommend that this greenhouse and workshop is assembled by a minimum of two people.
- Please clear all lying snow from the greenhouse roof as it can cause the roof to buckle or collapse.

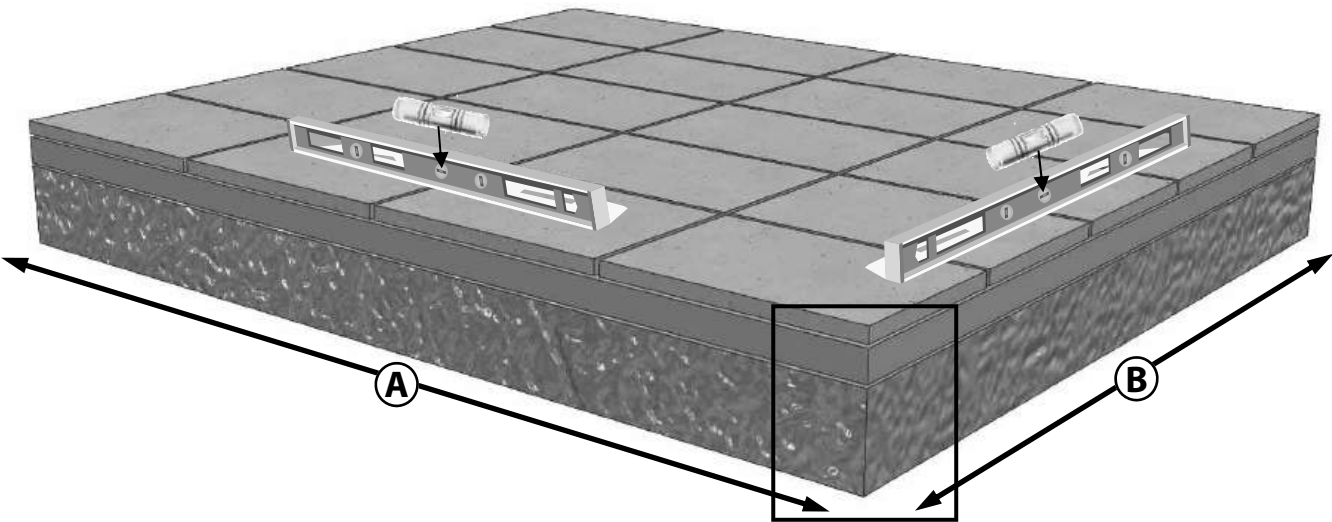
## **Site Preparation**

- When selecting a site for your building, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base will provide the most solid foundation. A slabbed base would be our preferred choice as this helps with drainage.
- Avoid placing your greenhouse under trees or in other vulnerable locations.
- To minimise the risk of wind damage, try to select as sheltered a site as possible, e.g. beside a hedgerow or garden fence.

## **Additional Considerations**

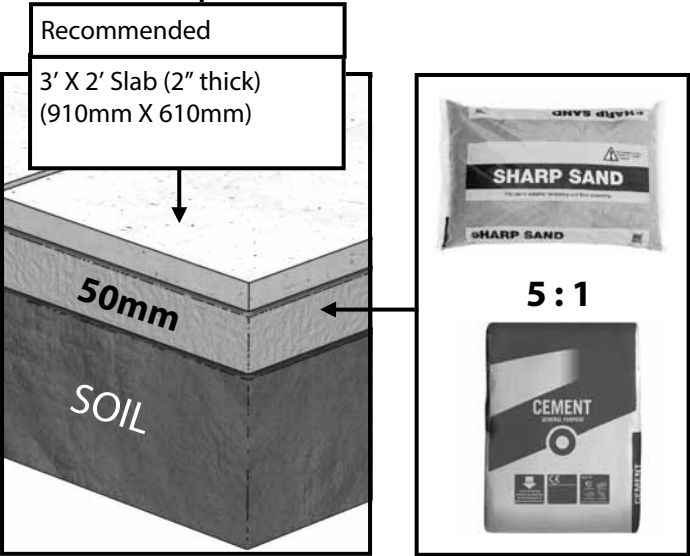
- Please bear in mind that assembling your building can be time consuming. You may need to spread the construction over two or more days. We recommend that you avoid leaving the building partially glazed. If you ever have to leave your greenhouse half assembled and not anchored down, weigh it down with slabs or bags of sand to stop the wind moving it.
- You will find it helpful to prepare a large, clean and clear area in which to work in. A garage floor or flat lawn area is ideal.
- If you have arranged for someone to install your greenhouse for you, please check that all components are included and are correct before your fitter comes on site. Most parts are numbered and can be identified by a stamp or removable label. Alternatively, the components can be identified by lengths detailed in the packing list in your main cardboard box.
- Remember this is a natural timber product. Cedarwood can vary from white through shades of pink to dark brown colours, this natural variation is a characteristic of cedar. The wood will soak up some water to start with and some staining may occur. This will settle down over time and the greenhouse will really blend with its surroundings. If you want to avoid this and give your greenhouse a more permanent finish you could apply an oil or spirit based product (it would be best to do this before glazing!).

# Base Preparation



**Slab Base Size** (Recommended)  
**Note:** The base should always be larger than your building.  
**The measurements given in 'A' and 'B' should only be used as a guide.**

Building Width	Building Length	A (mm)	B (mm)
10'10.5" - 3314mm	6'5" - 1977mm	3600	2400
10'10.5" - 3314mm	8'6" - 2606mm	3600	3000
10'10.5" - 3314mm	10'7" - 3236mm	3600	3600
10'10.5" - 3314mm	12'8" - 3866mm	3600	4200



It is necessary to leave sufficient working room around your building when you're putting it up and also to allow for maintenance and the possible need to replace a piece of glass in the future. If possible try and leave a space of 2ft/610mm around the building.

Locate the building where there is maximum amount of sunlight and avoid if possible any shade from trees, fences or other buildings. Over-hanging branches can be a particular nuisance and should be avoided.

Choose a site where the building is relatively easy to get to and convenient to bring water to and possibly a supply of electricity.

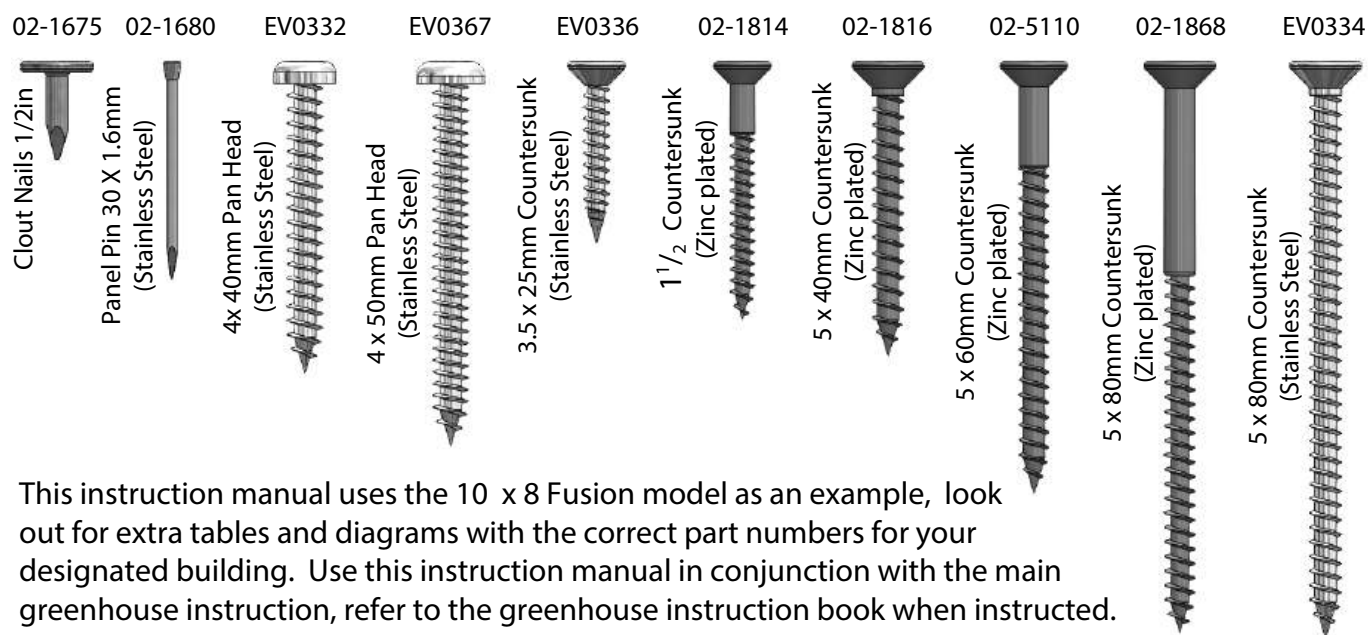
Finally, and most importantly, choose a site where your Alton building will look right so that it will compliment your garden.

# Overview

To build you new Fusion greenhouse you will need the following tools:

Spirit Level	Pozidrive No. 2 Screwdriver Bit
Pencil	Cordless Screwdriver (2 would be ideal, 1 to drill and 1 to screw)
4mm Drill Bit	Hammer
Hammer Drill	Step ladders
7mm Masonry Bit	

There are 8 types of screw and 2 nails used in the construction of the workshop. These are as follows:



This instruction manual uses the 10 x 8 Fusion model as an example, look out for extra tables and diagrams with the correct part numbers for your designated building. Use this instruction manual in conjunction with the main greenhouse instruction, refer to the greenhouse instruction book when instructed.

You should use the image on the front cover as a reference as to what the building should look like as you go along.

If you are going to treat the greenhouse yourself then it would be best to do it before you begin building the frame.

When screwing through one piece of timber into another it is always recommended to pre-drill the first piece. This will prevent the timber from splitting which could weaken the structure.

Glazing the structure is very simple but be very careful of the edges of the glass as the pane will break into tiny pieces if you catch an edge on a hard surface such as concrete. You should also wear suitable gloves when handling the glass (this also helps to keep it clean).

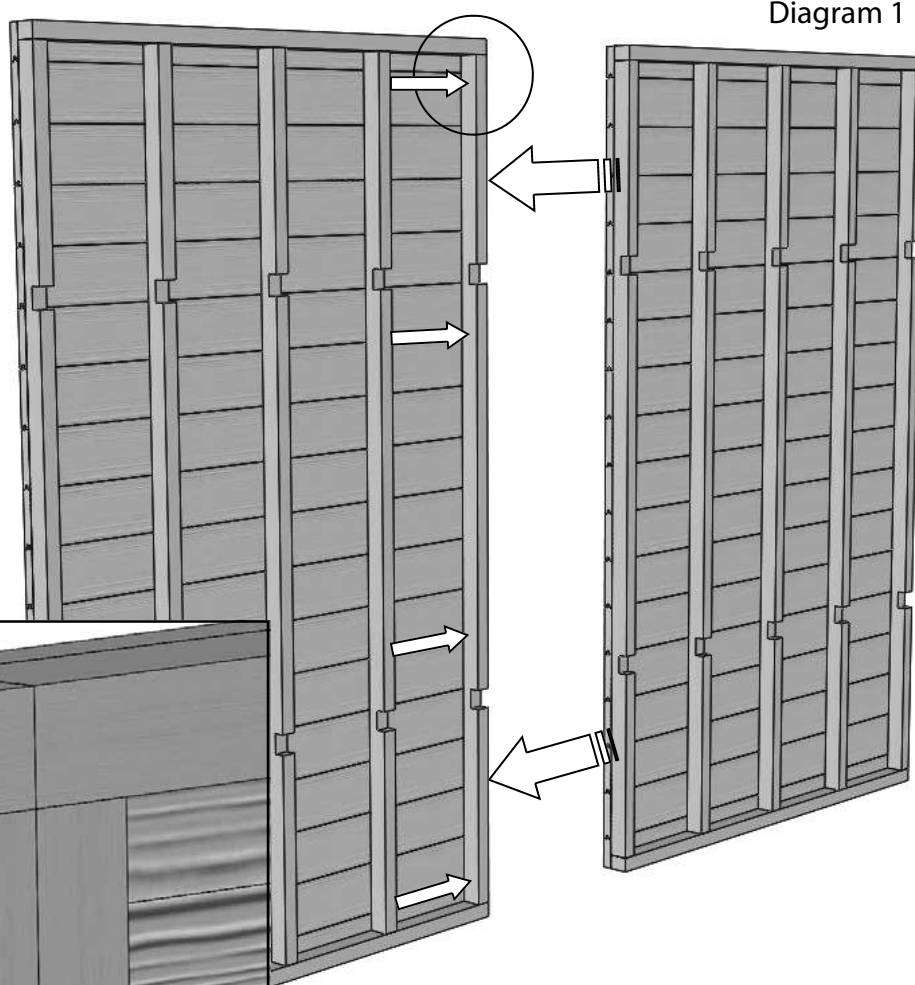
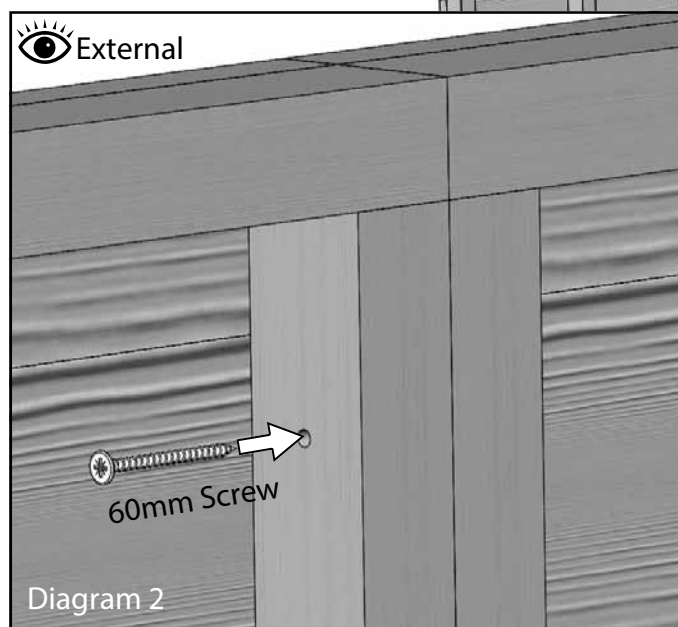
Option of glueing joints. This is not required for strength but you may do it if you wish. However bear in mind if you ever intend to move or adapt the greenhouse in the future this would make it very difficult. The best glue for this would be Polyurethane Wood Adhesive. Take care when applying this, you only need a very small amount as the glue expands to fill the joint. If you use too much it may seep out of the joint and could be unsightly! Try a test piece before you start.

Read through the rest of this manual before starting, you are less likely to miss something doing this and you will have a better understanding of how it all works.

# Base Assembly

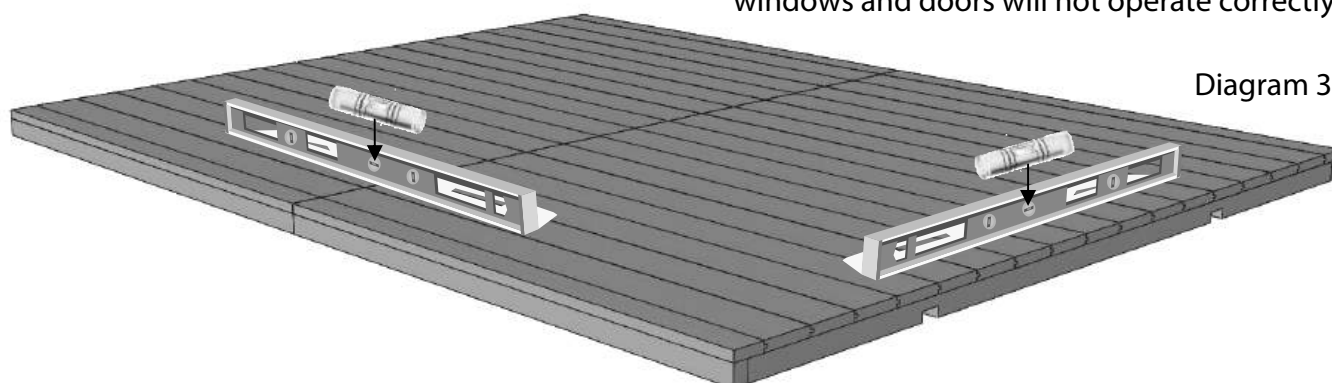
With help stand the base sections on the short edge in the location you want your workshop, slide together making sure the top surface of the floor boards are flush. Fix with 60mm countersunk screws (diagram 2).

Check page 7 opposite for the recommended layout of the base relevant to your building.



Once all the base sections have been fixed together, again with help, lower the assembly down to the floor. Adjust the position of the floor to suite and check the level. If the base is not level use packers to correct this (diagram 3).

**N.B.** If the base is not level this will make the whole assembly more complicated as panels will not line up as intended and it's likely windows and doors will not operate correctly.



# Base Assembly

Diagrams 4 to 7 show an exploded base layout depending on the building size.



Diagram 4

6ft wide x 6ft long  
Workshop

Floor boards should always run in-line with the ridge and eaves bar.



Diagram 5

6ft wide x 8ft long  
Workshop

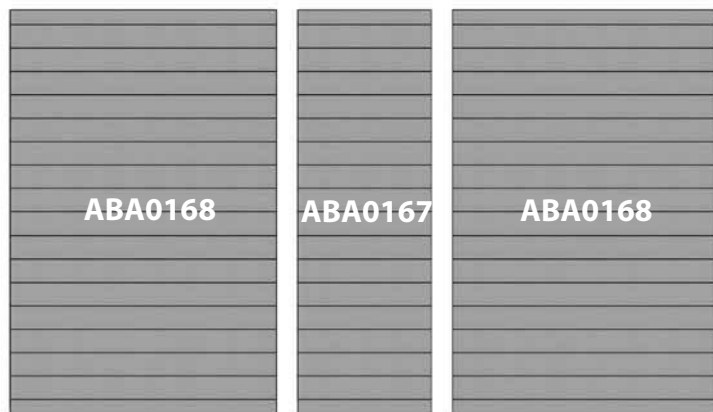


Diagram 6

6ft wide x 10ft  
long Workshop

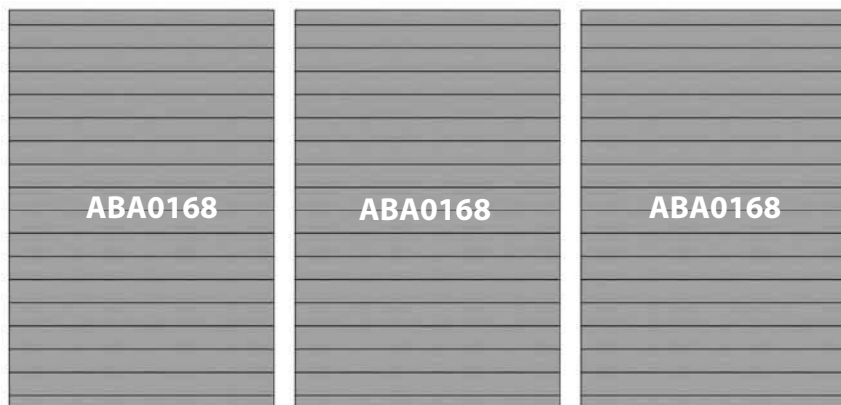
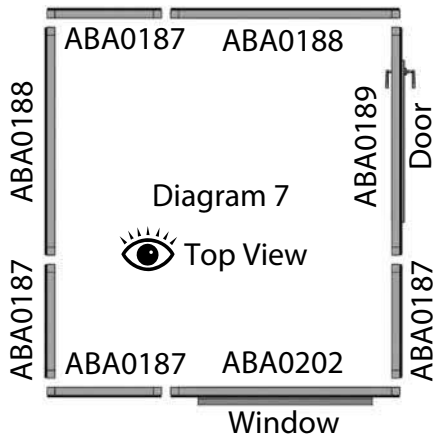


Diagram 7

6ft wide x 12ft  
long Workshop

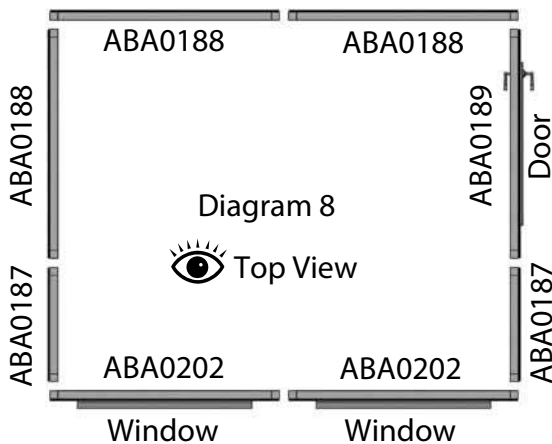
## Side Assembly

Diagrams 8 to 11 show an exploded top view of the recommended side layout depending on the building size.

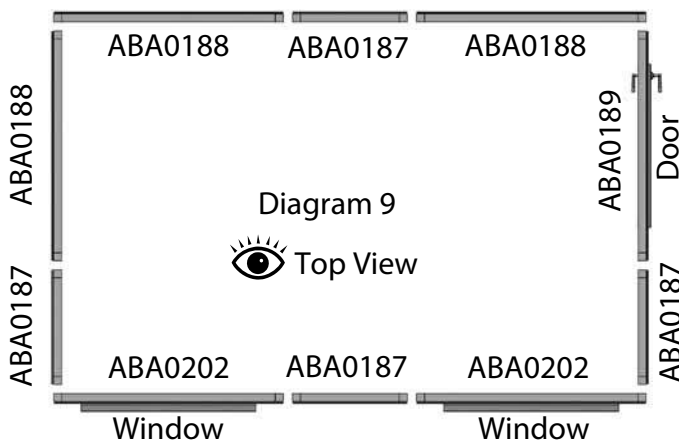


6ft wide x 6ft  
long Workshop

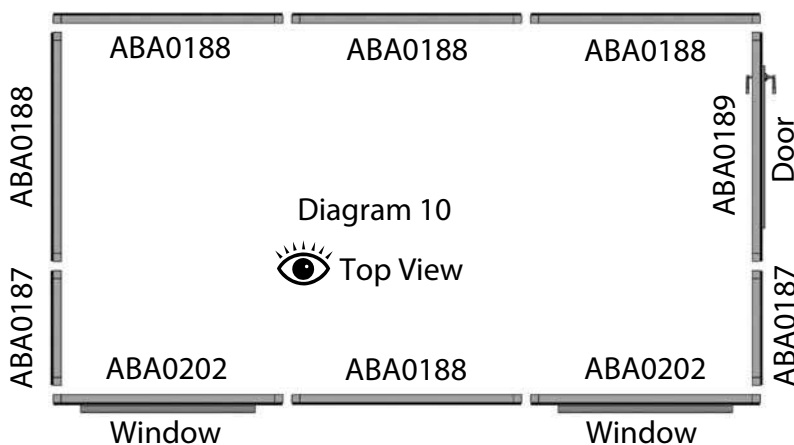
The workshop panels are interchangeable, therefore you can position the door or windows in any of the wide panel positions. However if you have the optional workbench you may want to consider where this will be positioned first.



6ft wide x 8ft  
long Workshop



6ft wide x 10ft  
long Workshop



6ft wide x 12ft  
long Workshop



# Side Assembly

Diagram 12a



Diagram 11

Before you place any of the panels remember to remove the transit blocks from the bottom of the panels (diagram 12a), once removed be careful not to damage the cladding. Position the first panel onto the base (diagram 12b). Its best to start at the rear of the building with the large plain panel. You can then offer up the next panel adjacent to it.

Dia. 12

The rear panel meets the inside face of the side panel (diagram 14). Drill pilot holes and fix together with four 80mm countersunk zinc plated screws (02-1868), diagram 13.

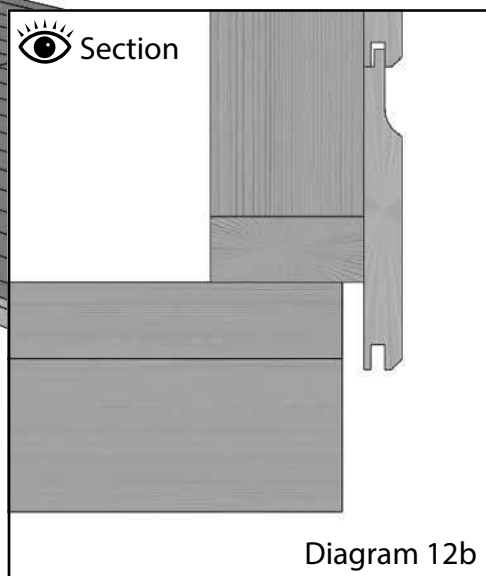


Diagram 12b

Dia. 14

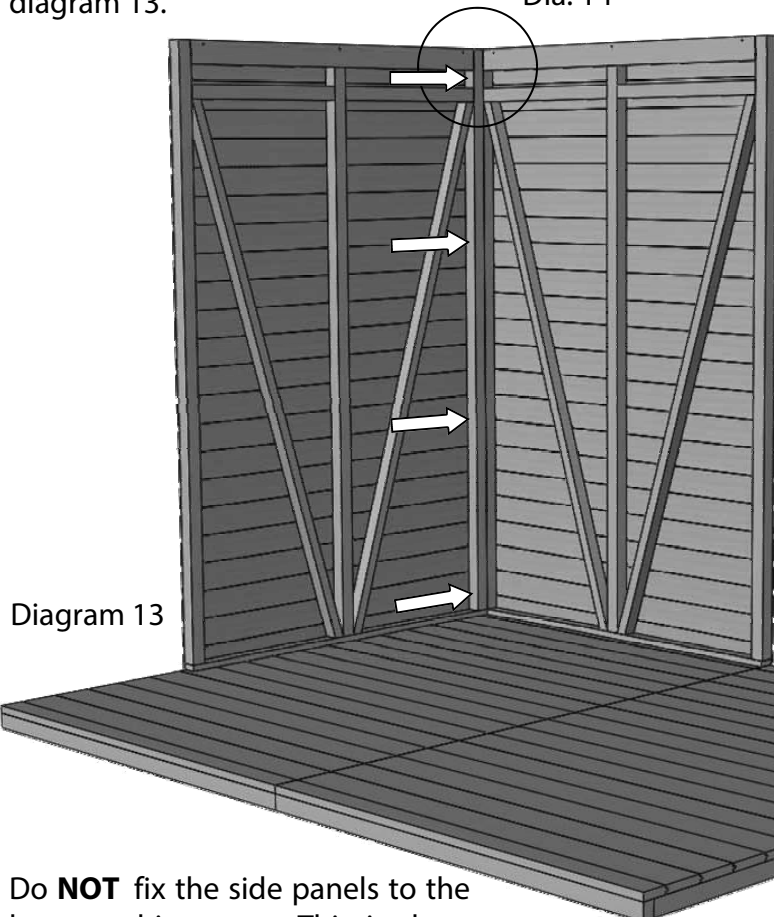


Diagram 13

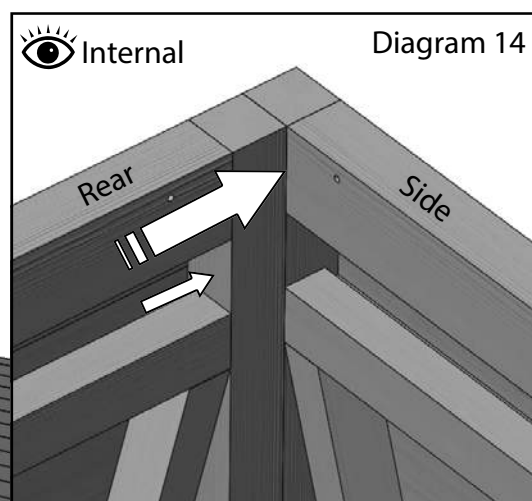


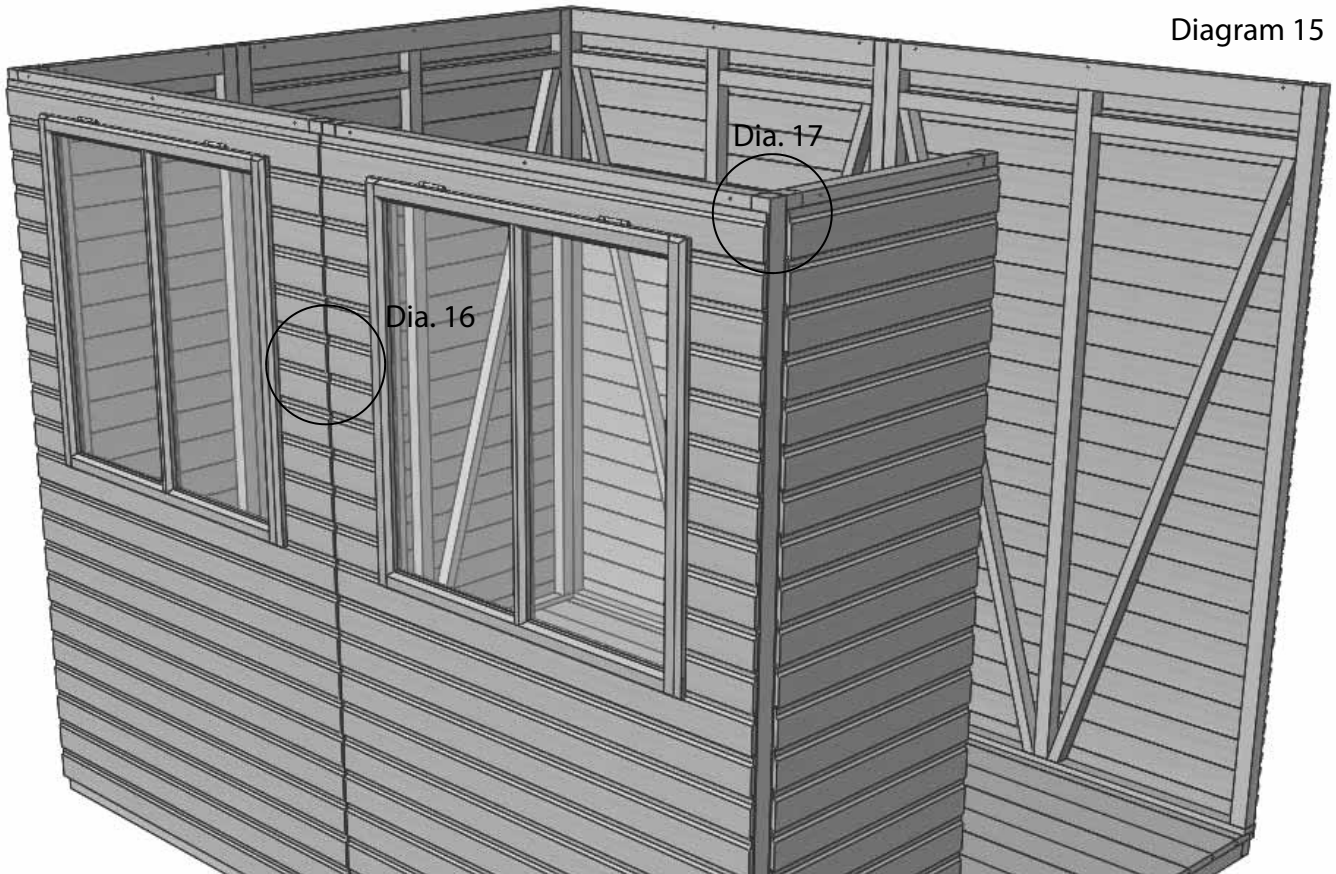
Diagram 14


Do **NOT** fix the side panels to the base at this stage. This is done later in the assembly process.

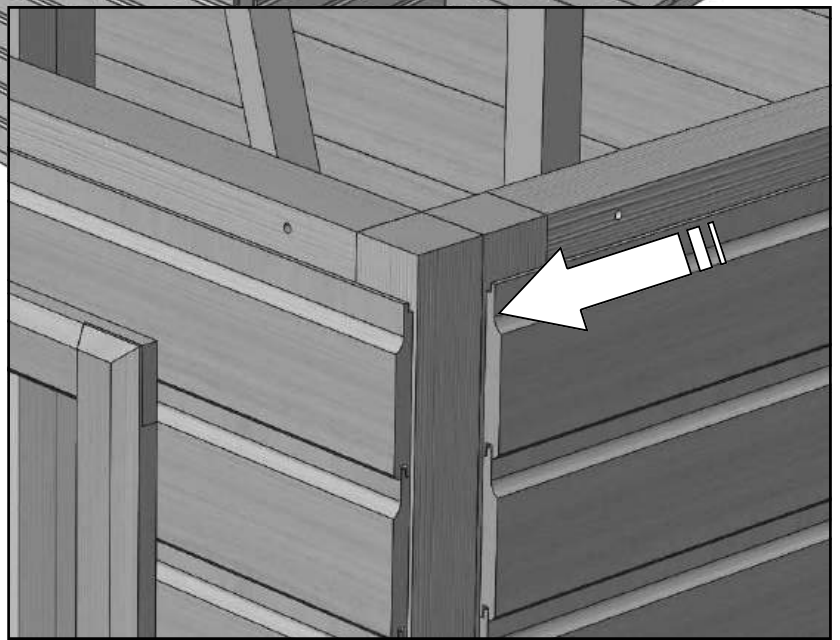
# Side Assembly


Work your way around the building installing the panels as per the diagrams on page 8. When fixing the panels make sure you pull them together tightly (you can even clamp them if that's easier) before fixing (diagram 16). On a straight jointed panel the internal surfaces should always be flush (diagram 16). Its also important that the tops of the panels are level/flush. Again end panels always fit inside the side panels (diagram 17).

Diagram 15



 Internal Diagram 16

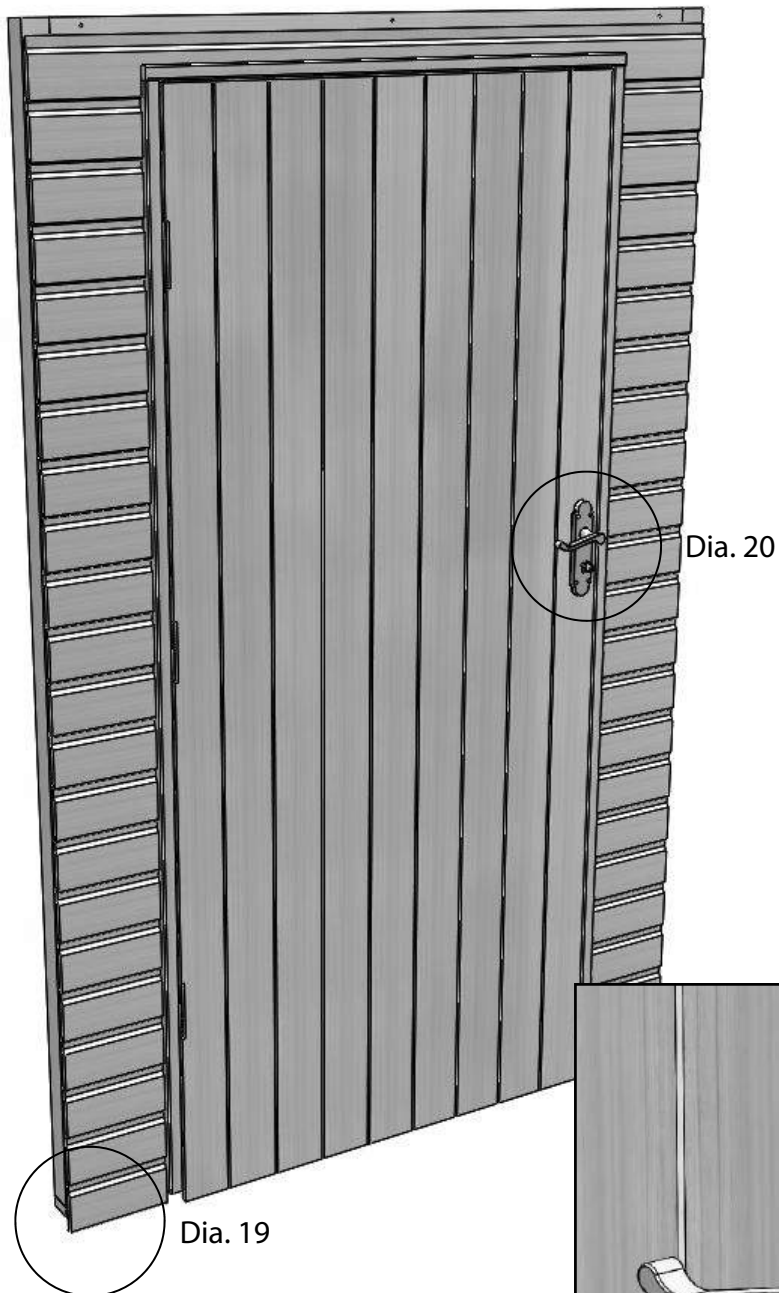


 External Diagram 17

# Door Installation

Diagram 19

Diagram 18



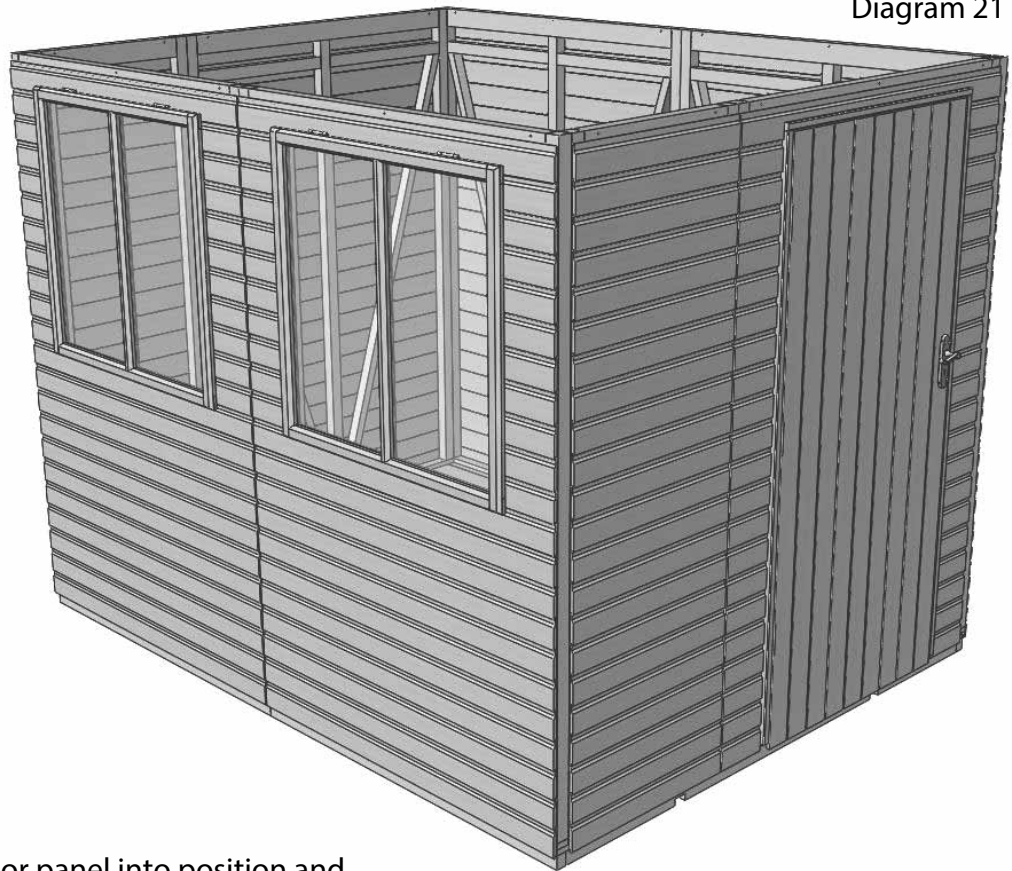
Before you can install the door section you need to fit the door handle. Slide the spindle through the lock to give you the position of the handle on the door. Fix the handle with the 3.5 x 25mm countersunk screws supplied (diagram 20). Before you offer the door up to the assembly you need to remove the transit rail from the bottom of the door panel (diagram 19).



Diagram 20  External

# Door Installation

Diagram 21



Slot the door panel into position and fix with 80mm countersunk screws, remember to drill pilot holes first.

Diagram 22

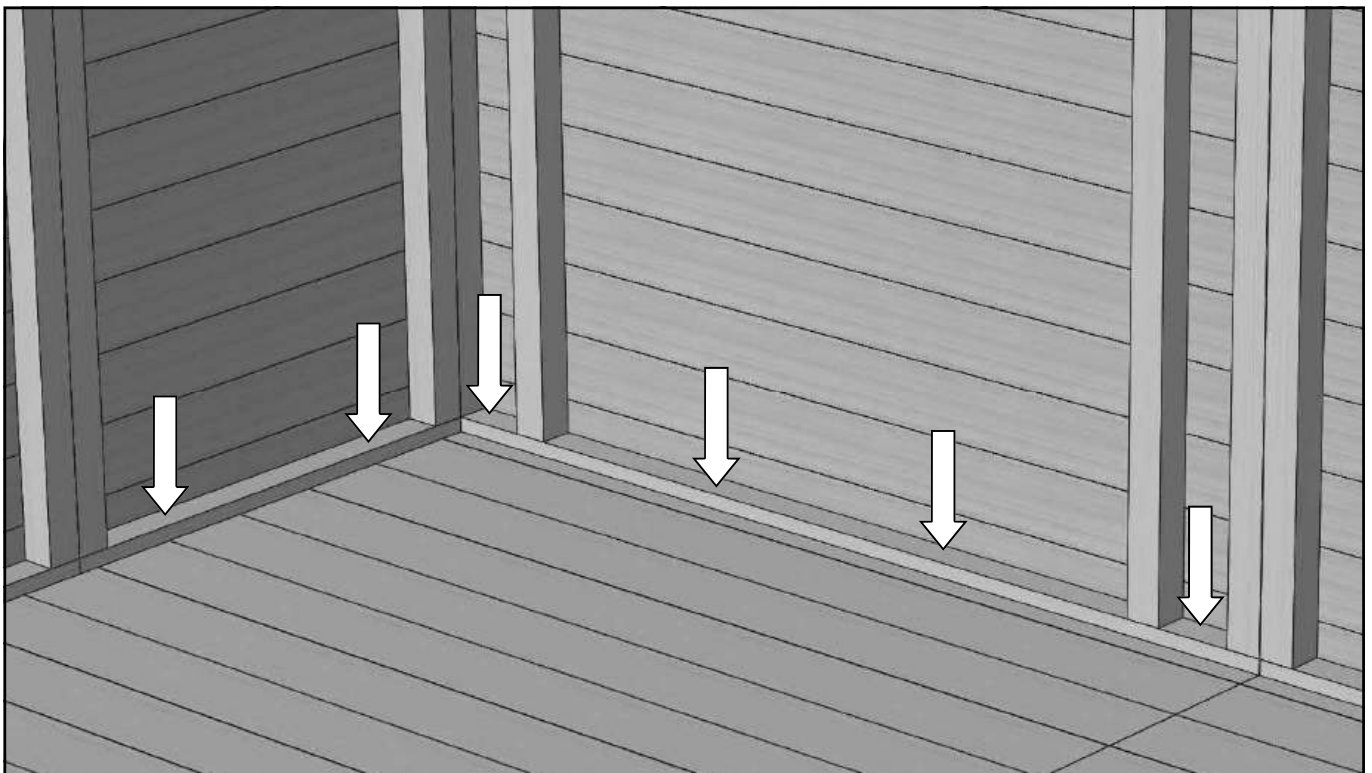
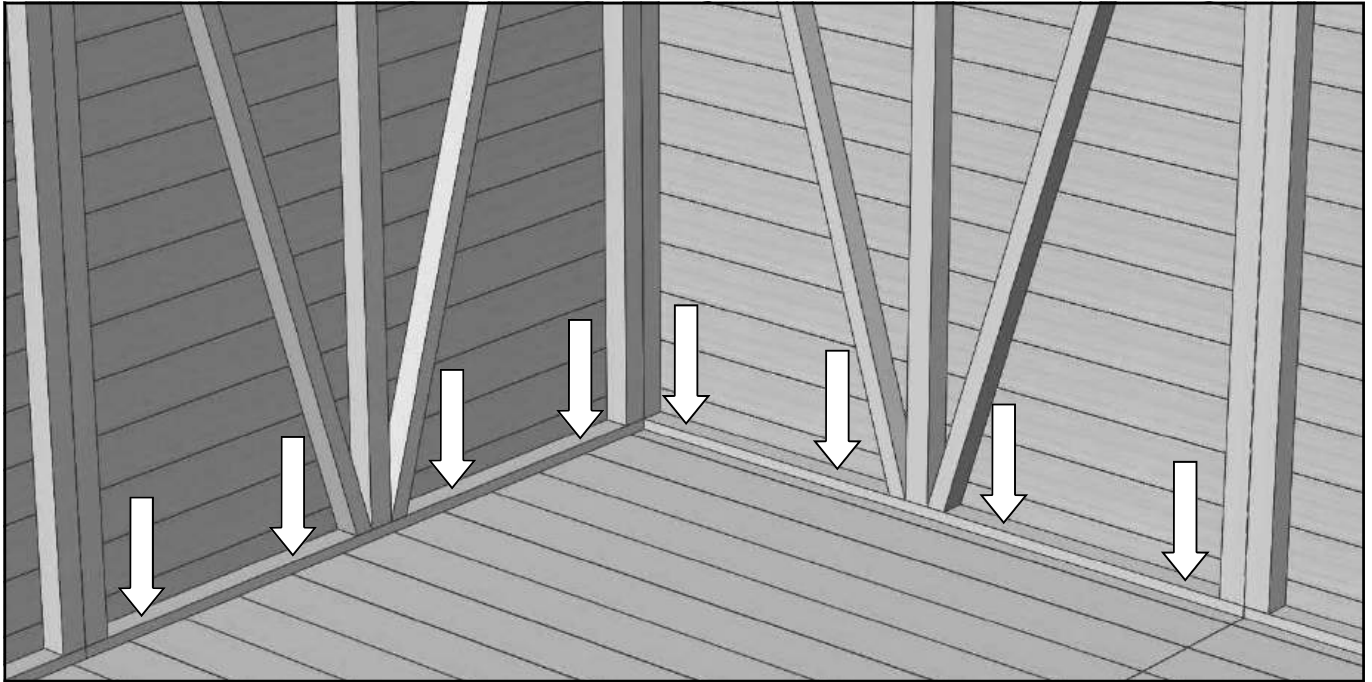


# Fixing Down

With all the panels in place you can now check everything is square and parallel. Do this by checking the internal diagonal measurement corner to corner are equal, also make sure the sides are in line. You can then fix the side panels to the floor. Drill pilot holes and fix with 40mm countersunk zinc plated screws (02-1816).

Large plain panels with the diagonal bracing need 4 fixing per panel (diagram 23).

Diagram 23



Small panels only need 2 fixings while the window panels also need 4 fixing as shown above. The door panel has one fixing either side of the door, make sure the door operates correctly and everything lines up before fixing down.

Diagram 24



# Gable Installation

Now position the gable section (ABA0182) above the door. Line the end of the bottom rail up with the outside of the softwood frame on the side panel (diagram 26). Make sure the internal surfaces are flush before fixing.

Diagram 25

Dia. 26

ABA0182

Diagram 26

External

ABA0182

FLUSH

Diagram 28

Internal

ABA0182

Drill pilot holes and fix down with 60mm countersunk screws (02-5110) shown by the arrows below. It is correct for the end of the gable to be out of alignment with the side panel shown in diagram 28. Repeat this for the rear gable.

Dia. 28

7

# Transom Window Installation

Begin installing the transom windows by placing the first section up against the front gable section. The end of the transom window should be flush with the softwood frame (diagram 30).

Diagram 29

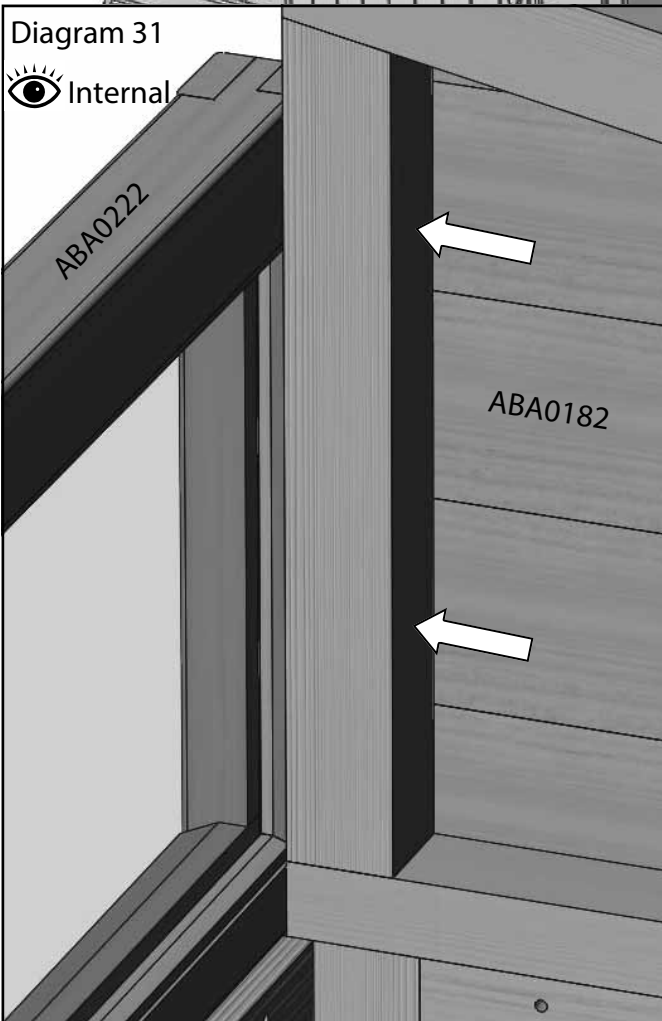
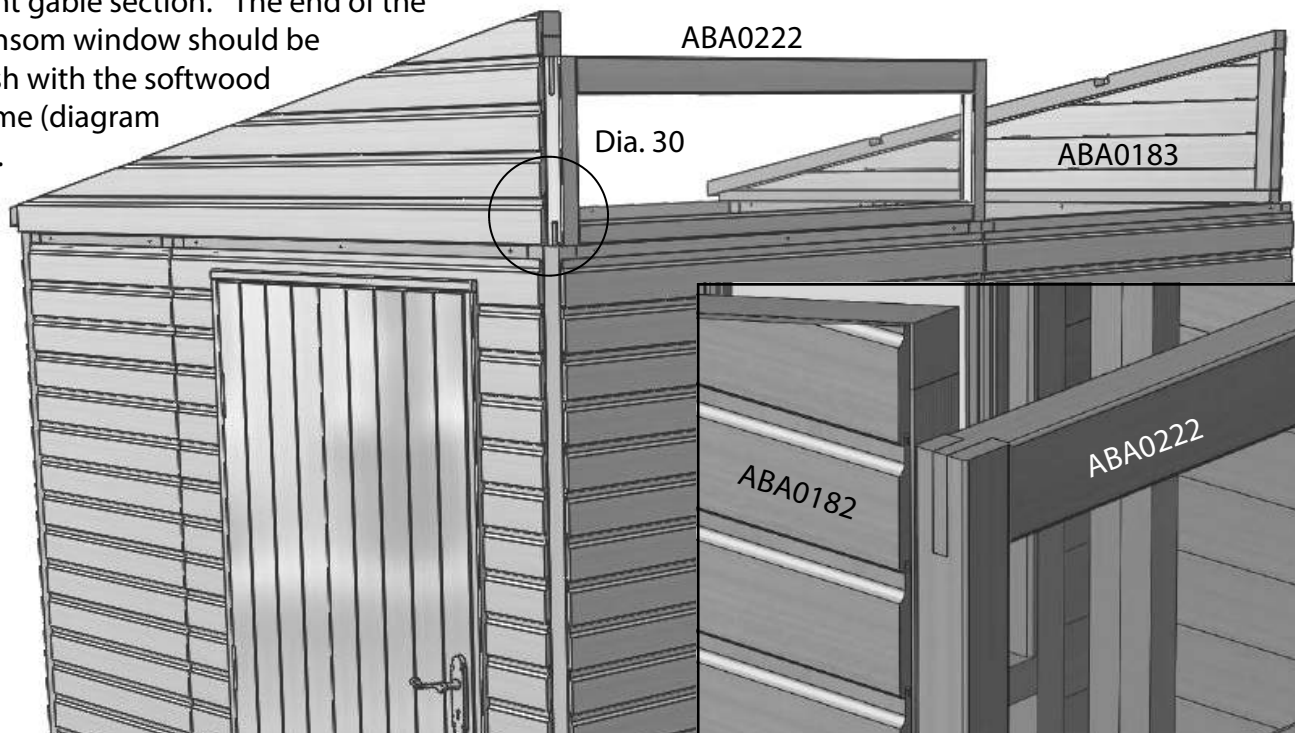


Diagram 31

Internal

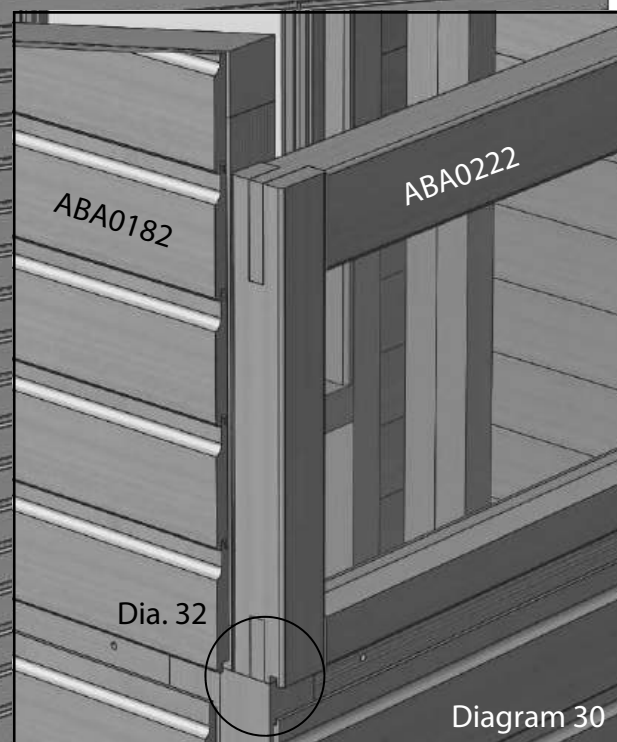


Diagram 30

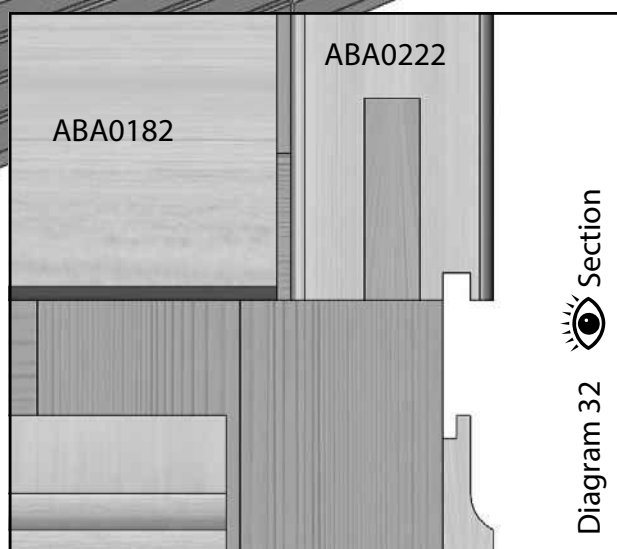


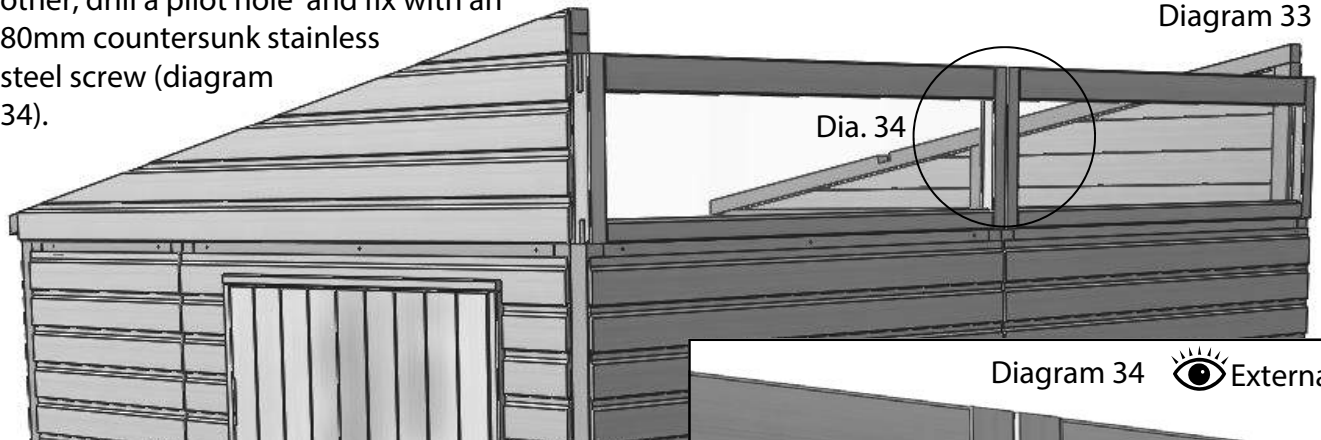
Diagram 32 Section

Fix the transom window from the inside through the upright of the gable section (diagram 31). Drill pilot holes and fix with 80mm zinc plated countersunk screws. Be careful to avoid the glass!

# Transom Window Installation

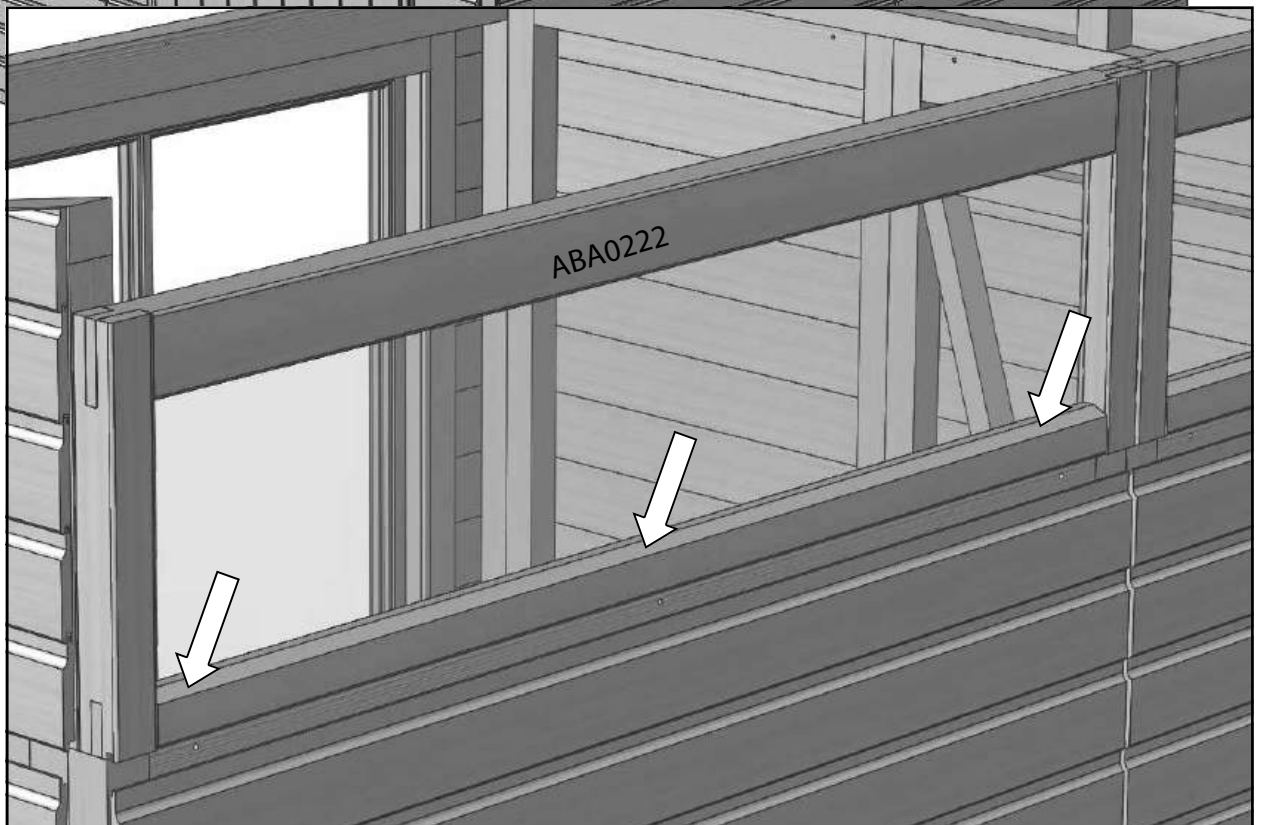
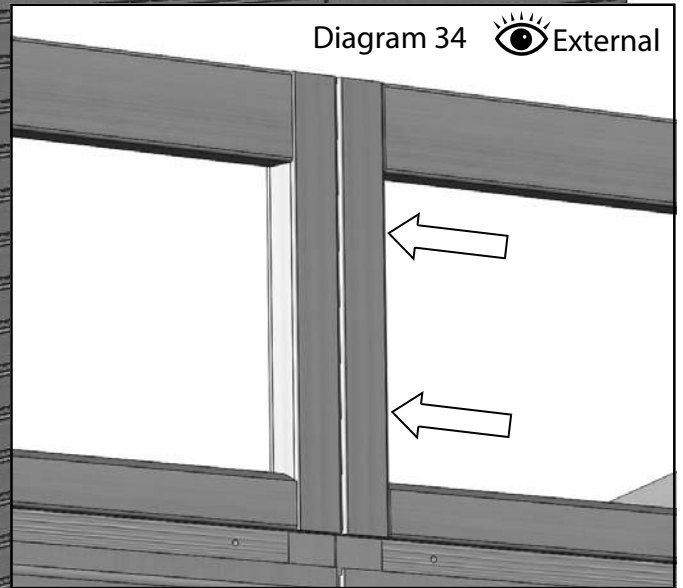
Place the next section alongside the first. Make sure the frames are flush with each other, drill a pilot hole and fix with an 80mm countersunk stainless steel screw (diagram 34).

Diagram 33



Once all the transom window frames are connected you can fix down through the cill section into the top of the side panels. Check that the groove under the cill section is inline with the front face of the softwood frame below (diagram 32). Drill pilot holes and fix with 80mm countersunk stainless steel screws (diagram 35). Large transom frames (ABA0222) should have 3 fixings and small transom frames (ABA0221) should have 2.

Diagram 34  External





# Ridge Installation

Part No.	Part Description
AB0595	Framing Ridge Plate 6ft Long 1890mm
AB0596	Framing Ridge Plate 8ft Long 2520mm
AB0597	Framing Ridge Plate 10ft Long 3150mm
AB0598	Framing Ridge Plate 12ft Long 3780mm

Now fit the ridge plate on top of the transom windows. You can identify your specific ridge plate in the table opposite. Drill 2 pilot holes in each end of the ridge plate and fix with 80mm countersunk zinc plated screws (diagram 37).

Next drill pilot holes through the notched sections of the ridge plate (diagram 38). Drill these slightly off-centre as you need to screw into this area later. Again fix with 80mm zinc plated screws.

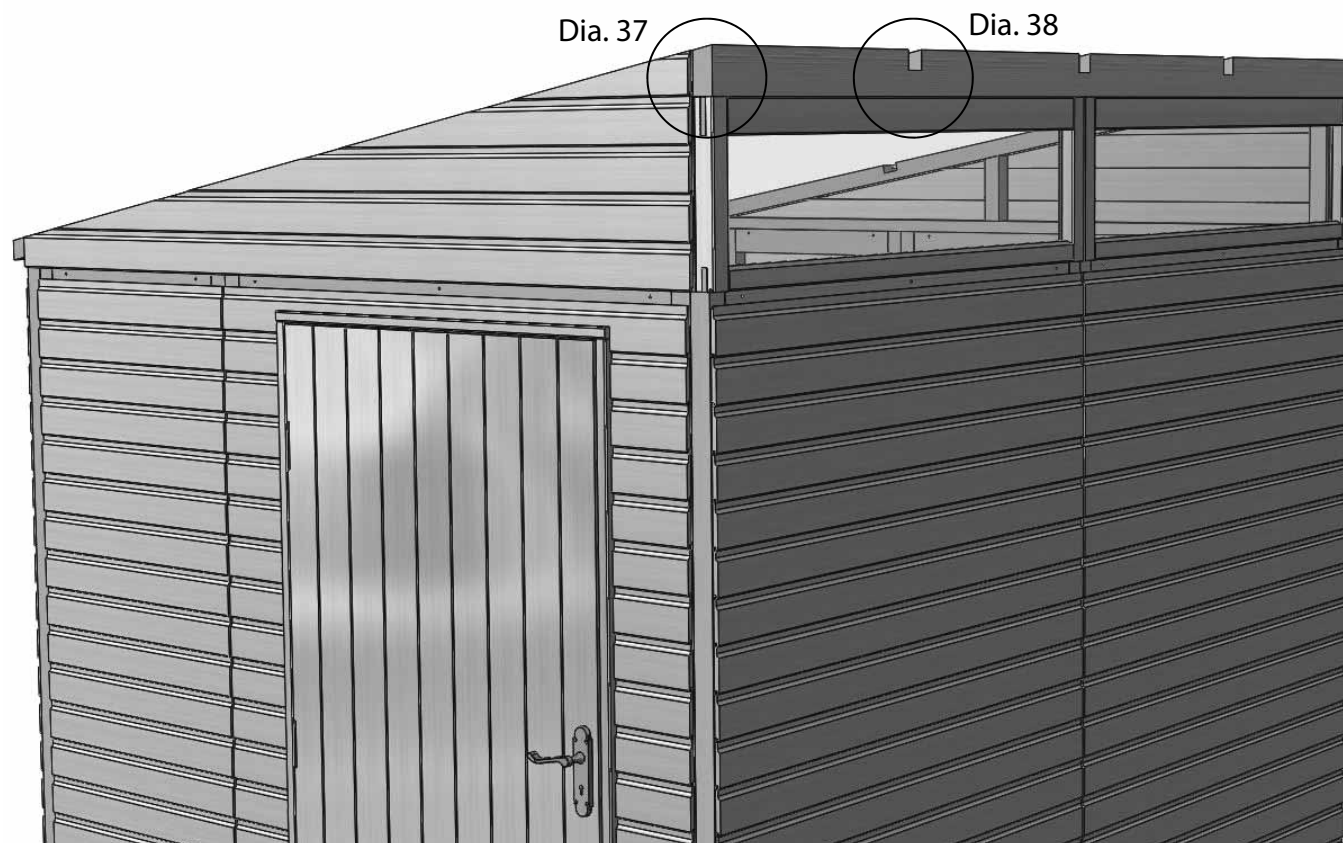
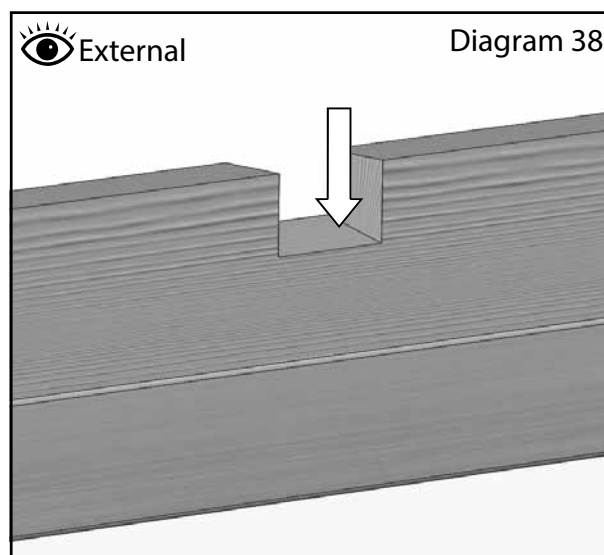
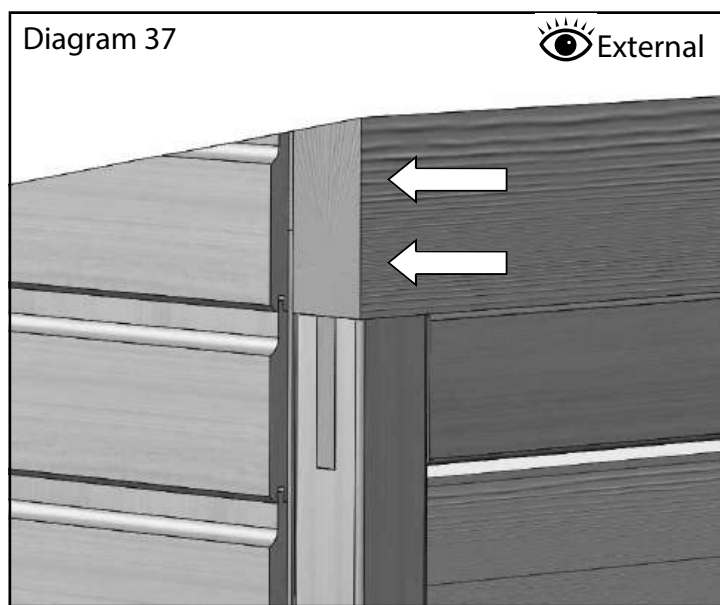
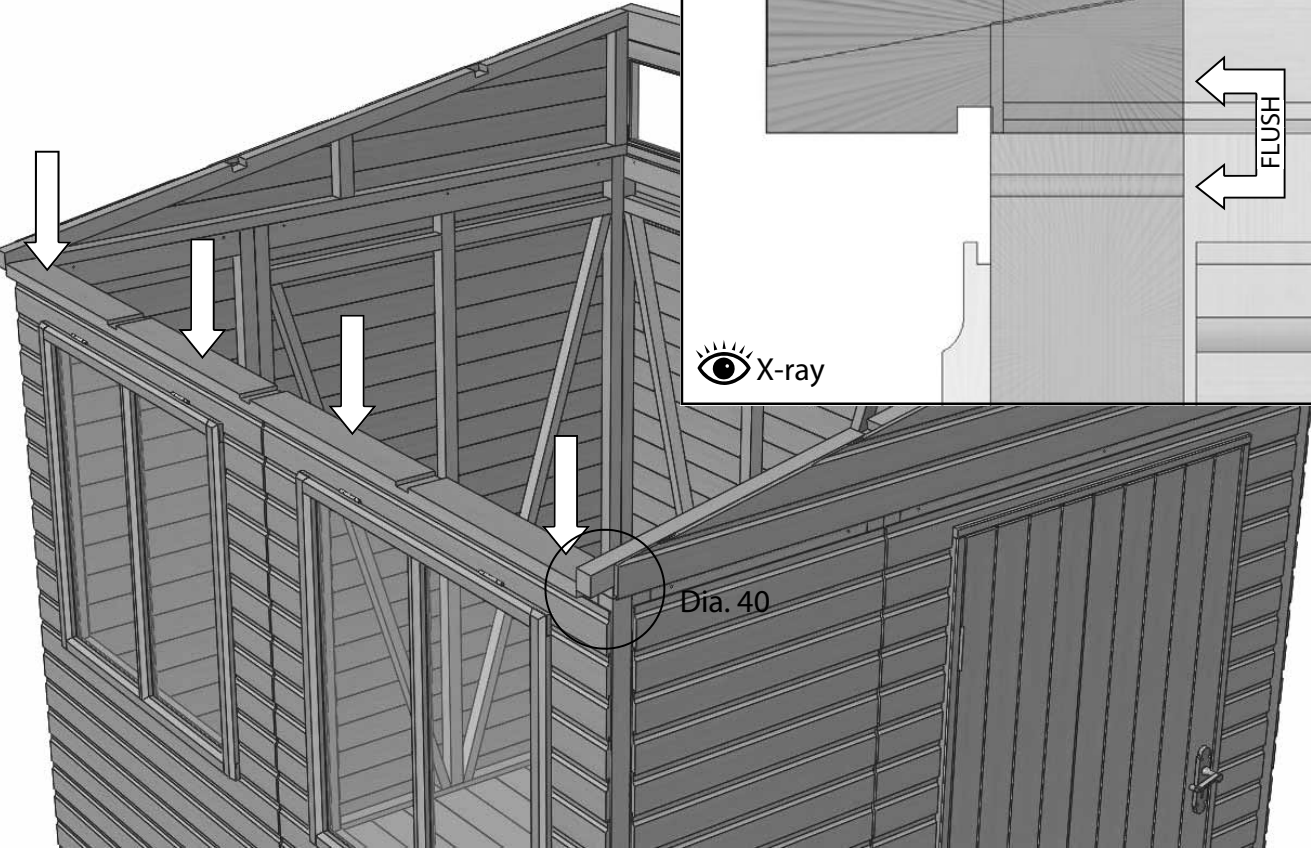


Diagram 36

# Eaves Plate Installation

Next you can fit the eaves plate to the top of the side sections. Slot this in between the two gable sections. It should be flush with the softwood frame on the inside with the notches facing upwards (diagram 37). The groove along its length goes at the bottom and should line up with the softwood frame below on the outside (diagram 41). Drill pilot holes at each end of the eaves plate and between each slot then fix with 80mm countersunk zinc plated screws.

Part No.	Part Description
AB0575	Framing Eaves Plate 6ft Long 1802mm
AB0576	Framing Eaves Plate 8ft Long 2432mm
AB0577	Framing Eaves Plate 10ft Long 3062mm
AB0578	Framing Eaves Plate 12ft Long 3692mm



External

Diagram 40

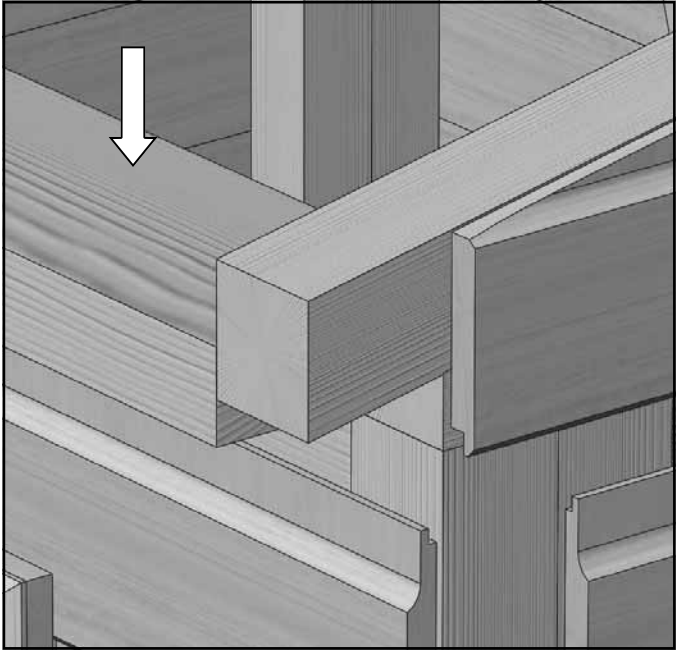


Diagram 41

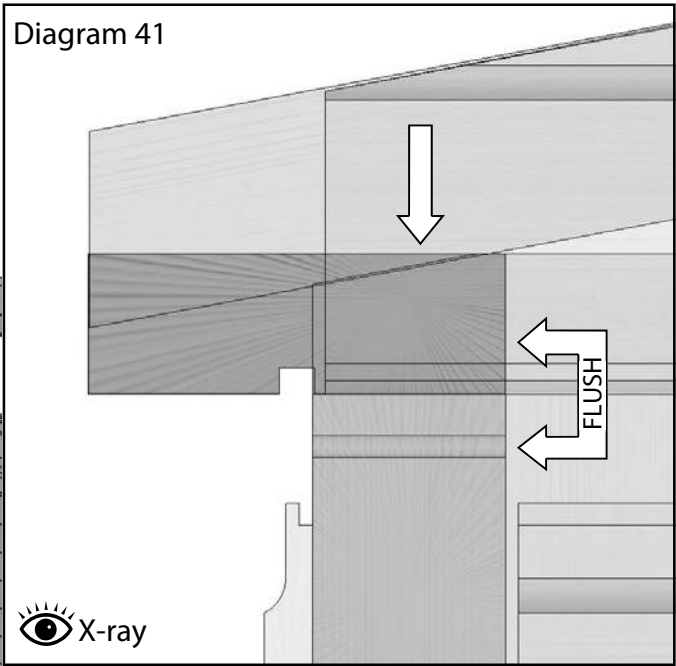


Diagram 39

# Roof Frame Installation

With the ridge plate and eaves plate now installed you can start fitting the roof rafters. These slot into the ridge and eaves plates, make sure the rafters are tight up to the ridge and likewise tight into the eaves before fixing. To prevent movement or twist drill 2 pilot holes in each end and fix with 60mm countersunk zinc plated screws (diagram 43 & 44).

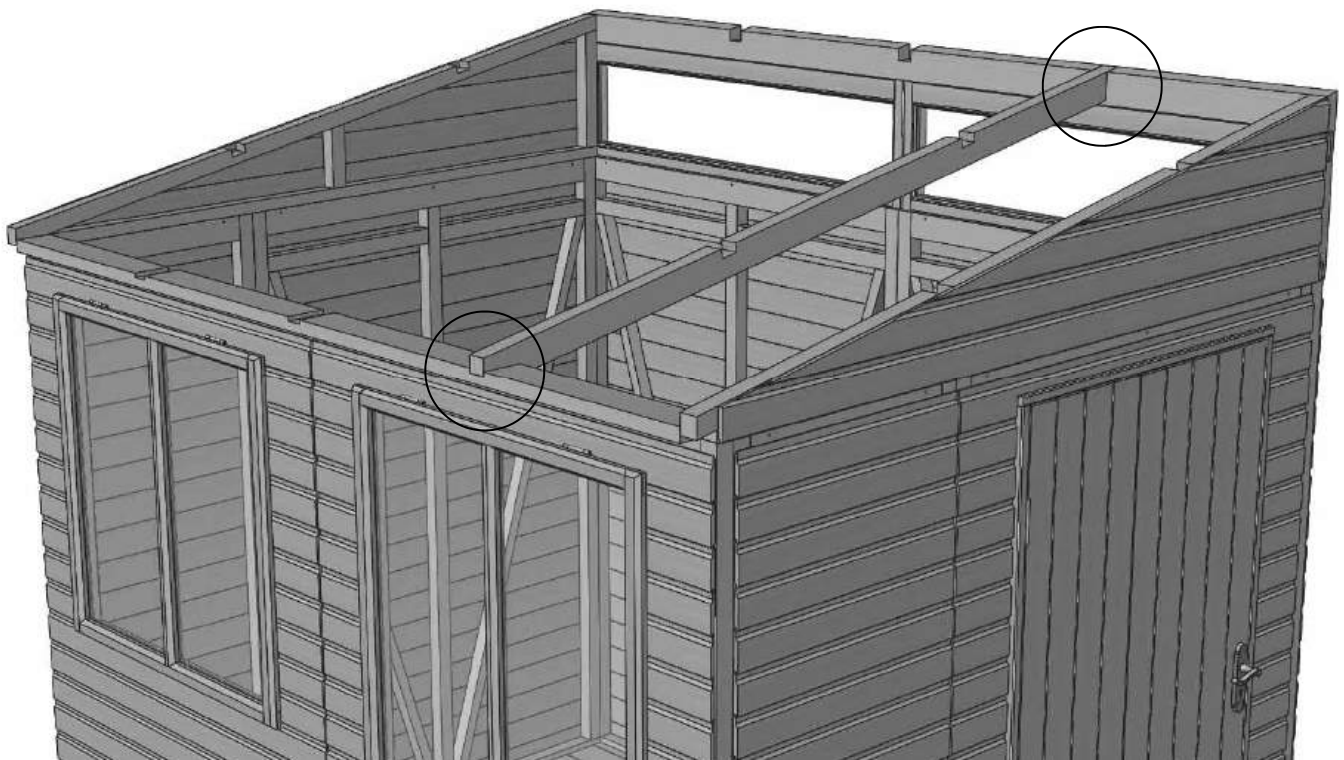
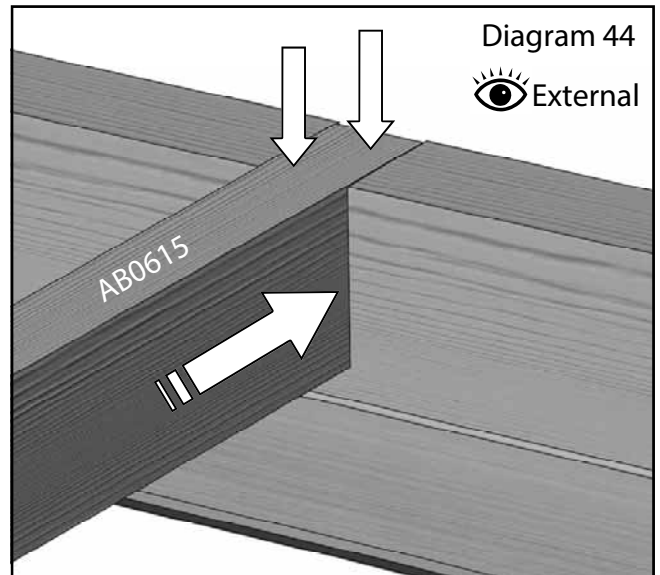
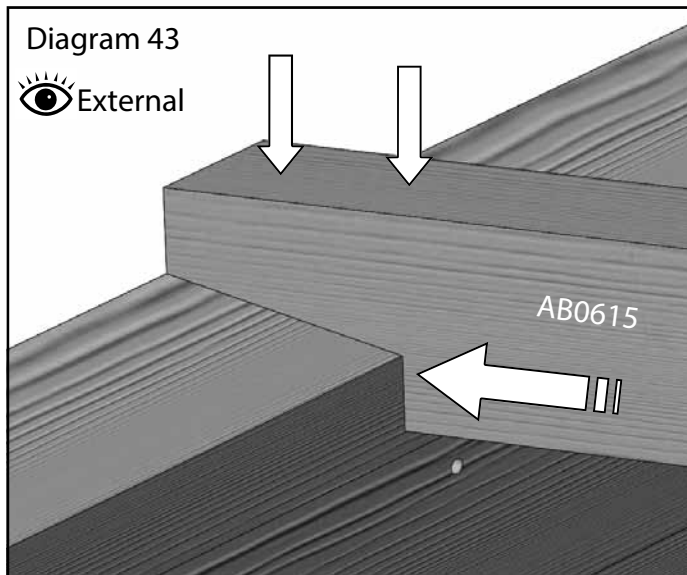
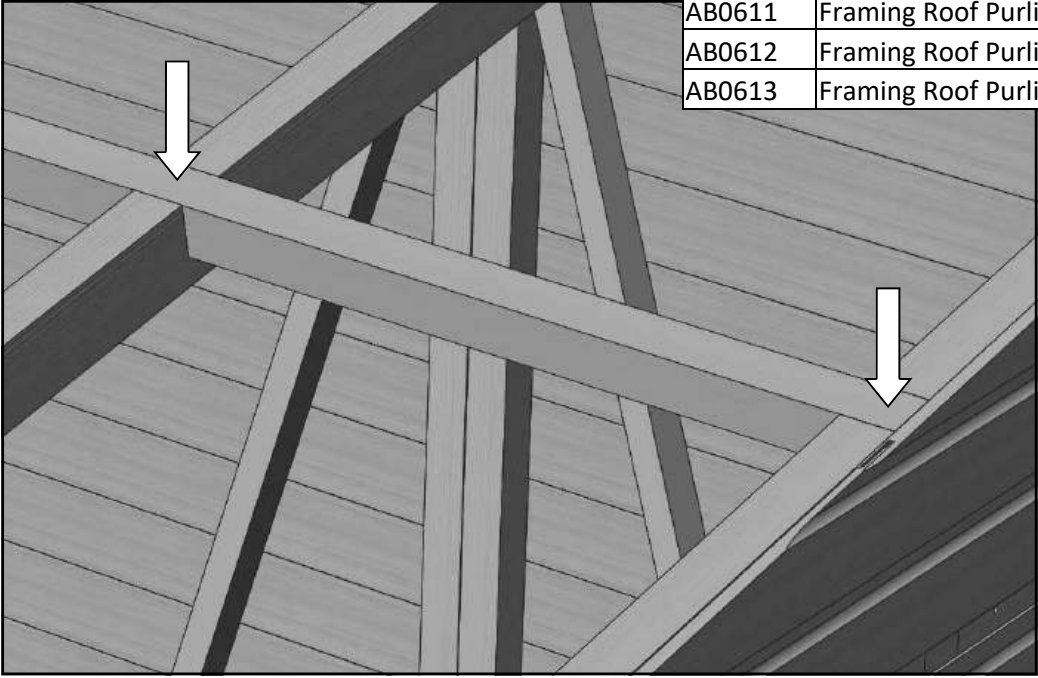


Diagram 42

# Roof Frame Installation

With all the roof bars in place you can now fit the purlins. These slot into the notches in the roof rafters and the gable end sections (diagram 46). Drill pilot holes and fix with 40mm countersunk screws.

Diagram 46  External



Part No.	Part Description
AB0610	Framing Roof Purlin 6ft Long 1890mm
AB0611	Framing Roof Purlin 8ft Long 2520mm
AB0612	Framing Roof Purlin 10ft Long 3150mm
AB0613	Framing Roof Purlin 12ft Long 3780mm

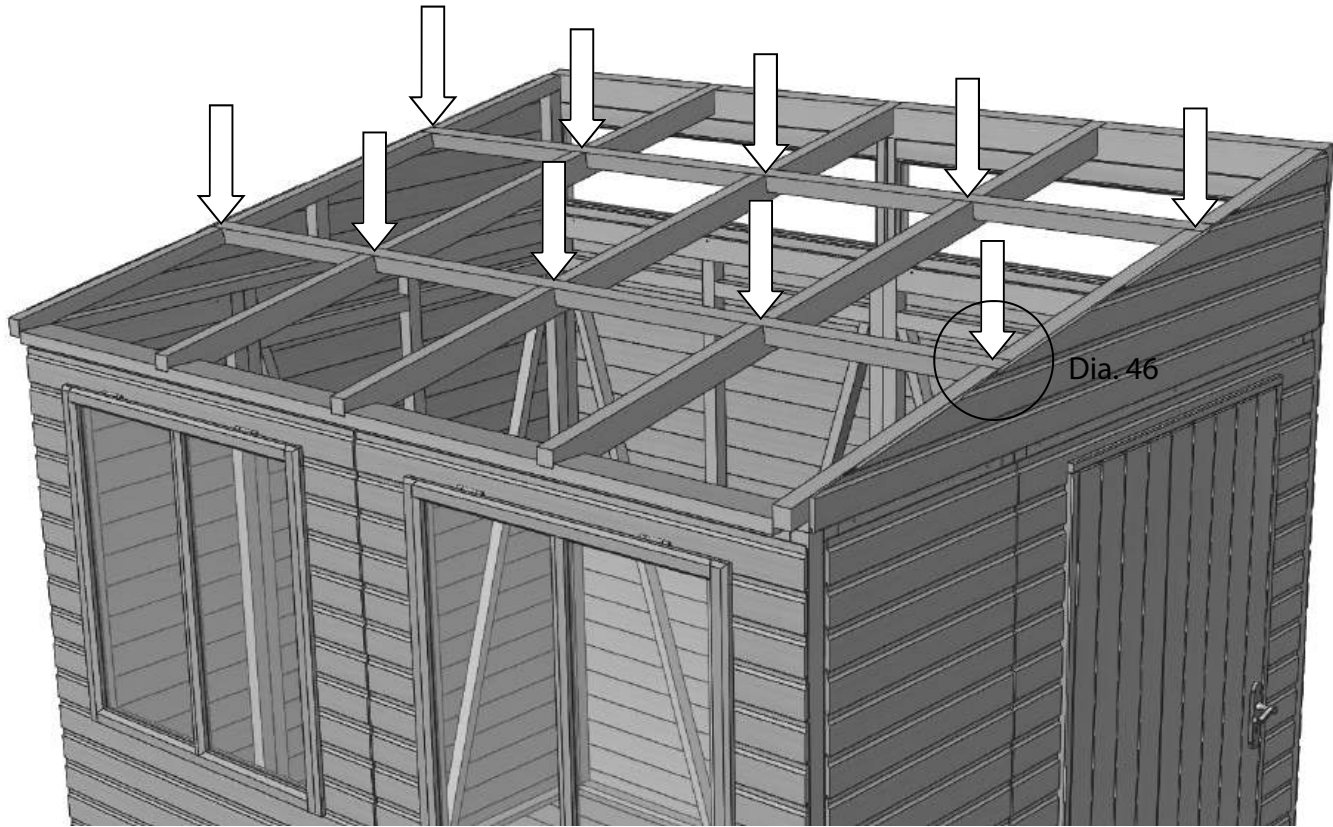


Diagram 45

# Gable Soffit Installation

Now fit the gable soffit bars to the top of the gable sections. The ends should be flush with the outside edge of the ridge bar (diagram 49) and the end of the gable frame (diagram 48). Drill 4 evenly spaced pilot holes and fix in place with 60mm countersunk screws (diagram 47).

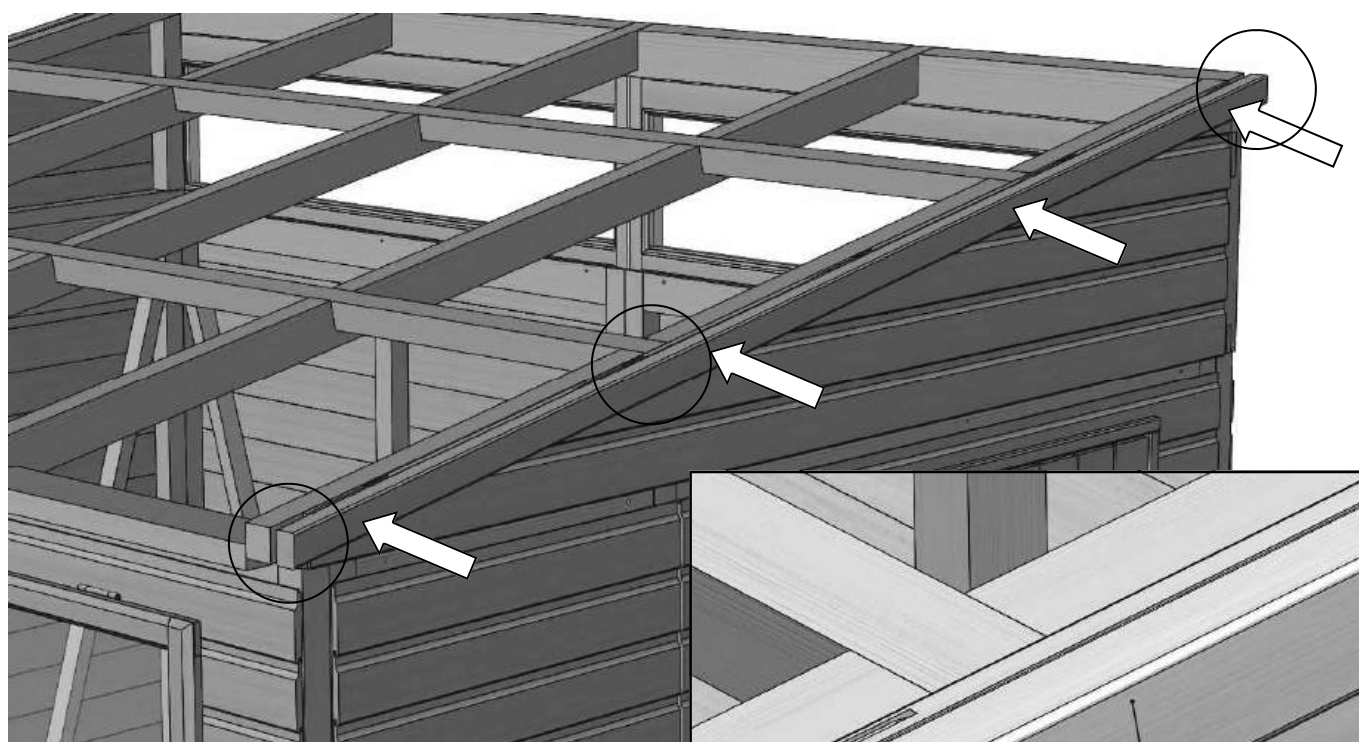
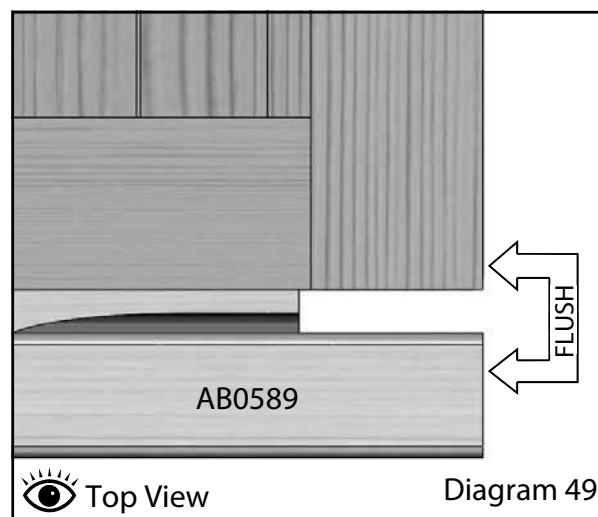
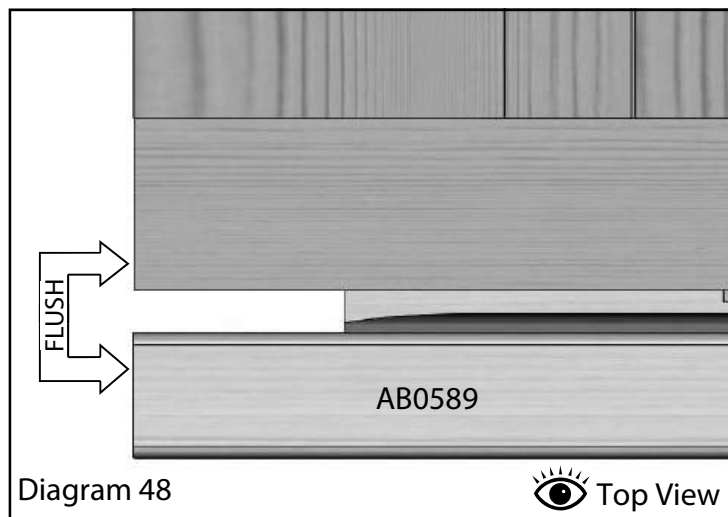


Diagram 47

When the gable soffit bars are in place you need to mark the outside edge of the bars to show where the roof purlins are. This will help you line up the roof felt later on (diagram 50).

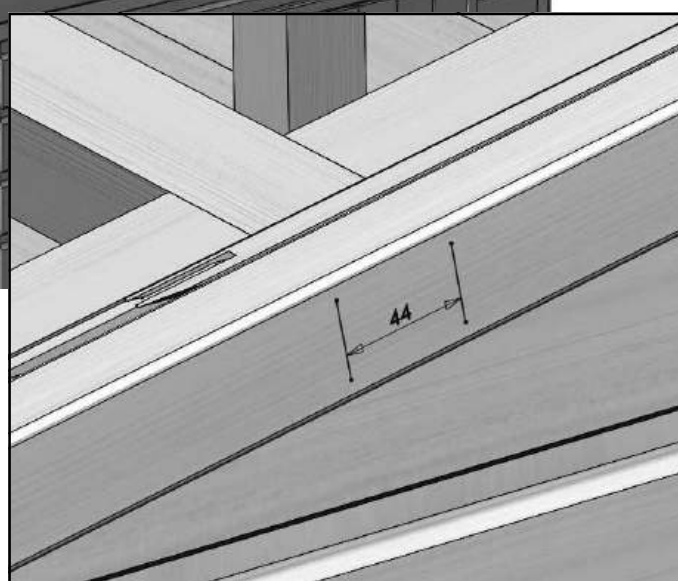
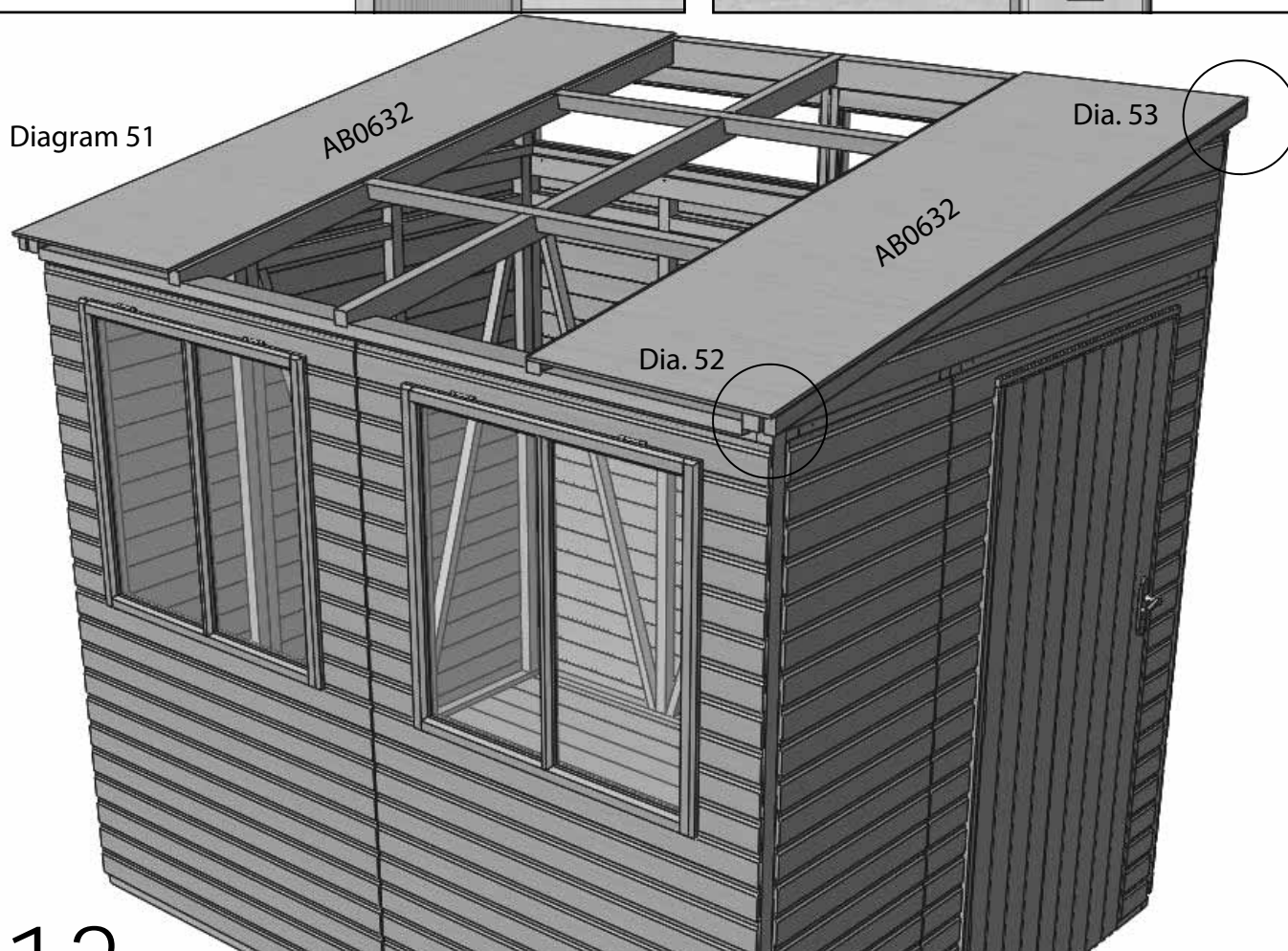
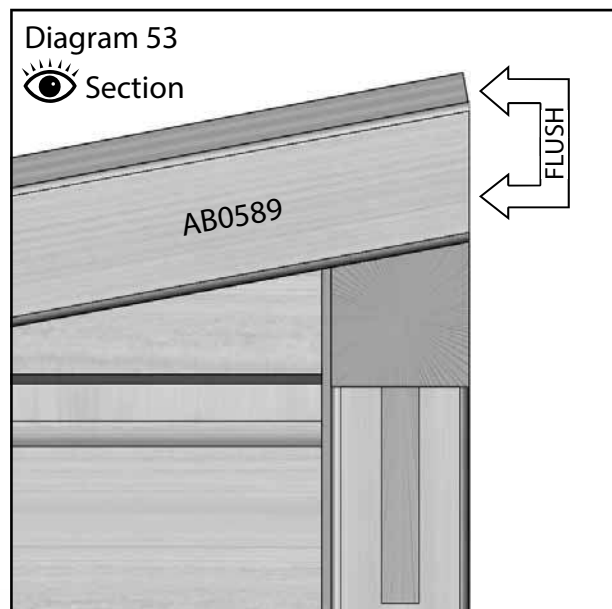
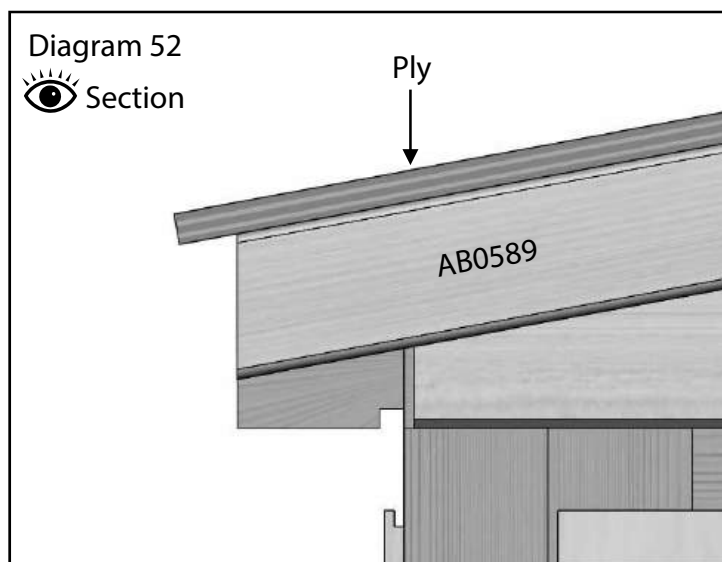


Diagram 50  External



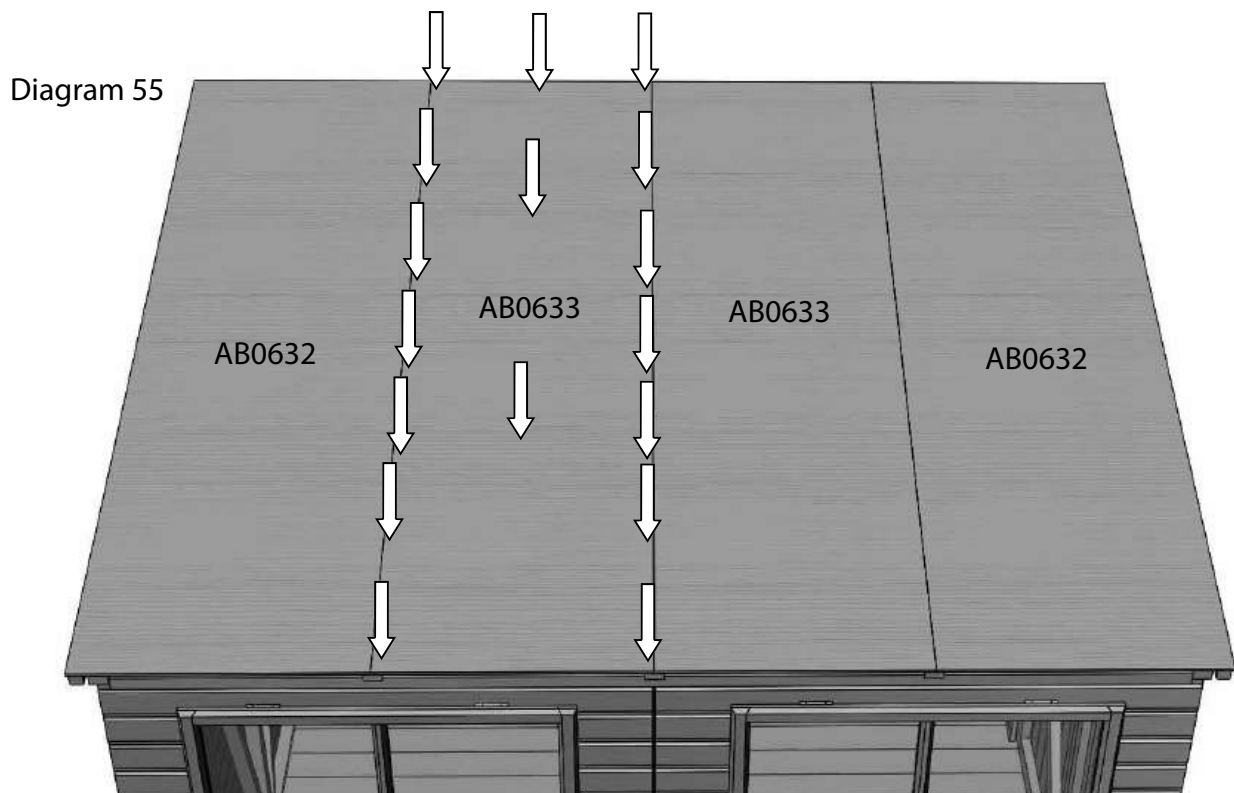
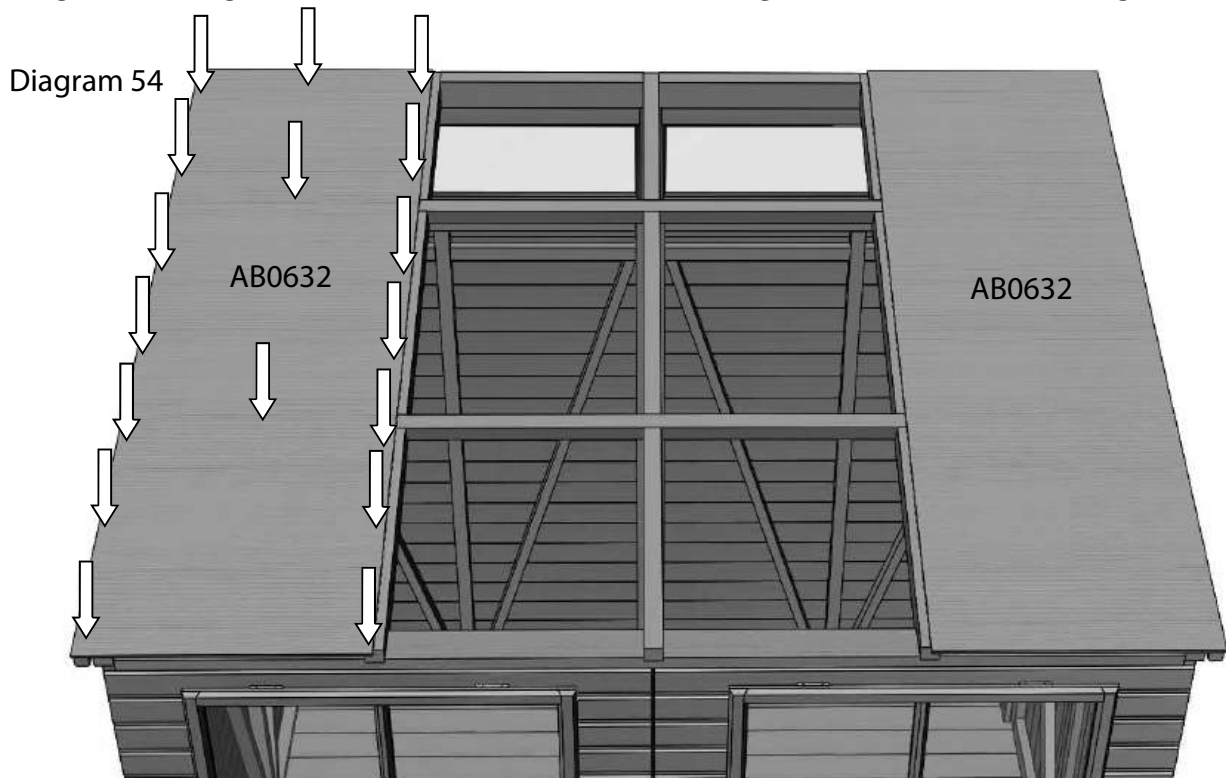
# Roof Sheet Installation

Now install the ply roof sheets, start by fitting the two sheets (AB0632) next to the gable ends (diagram 51). Make sure the top edge of the roof sheet is flush with the ridge plate and the end of the gable soffit bar (diagram 53). This will give you a slight overhang at the eaves (diagram 52). The outside edge should be flush with the outer edge of the gable soffit, if the ply sheets do not sit square on your roof this is because the building is not true, try pushing on the corners of the building until the roof sheets line up.



# Roof Sheet Installation

Fix the roof sheets with 1½ inch countersunk zinc plated screws (02-1814). Keep the fixing close to the edge of the sheet to be sure to pick up the roof rafter below. You should also fix to the roof purlin in the middle of each roof sheet (diagram 54). The screws should have around a 300mm spacing. After fixing the first sheet, check inside the building that no screws are missing the target.



# Rear Fascia Installation

Now the roof sheets are all fixed in place you can fit the rear fascia, slide this up tight to the underside of the ply roof sheets. Fix this in place with 60mm countersunk screws, position one at each end and then at every joint in the ply (diagram 56). The screws should be just below the centerline of the rear fascia to be sure they pick up the eaves plate behind (diagram 57).

You can also add an extra 1½ inch countersunk screw in the middle of each roof sheet at the bottom (diagram 56 & 57).

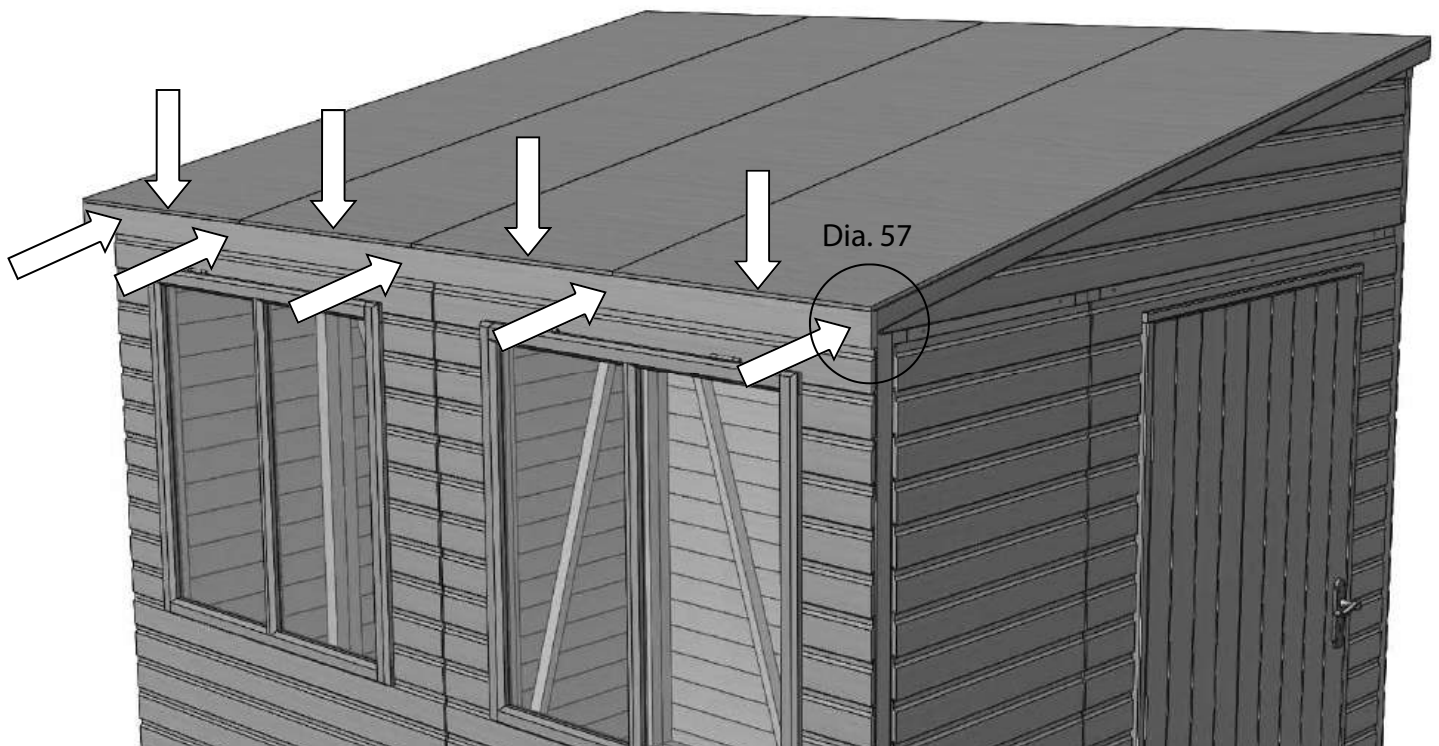
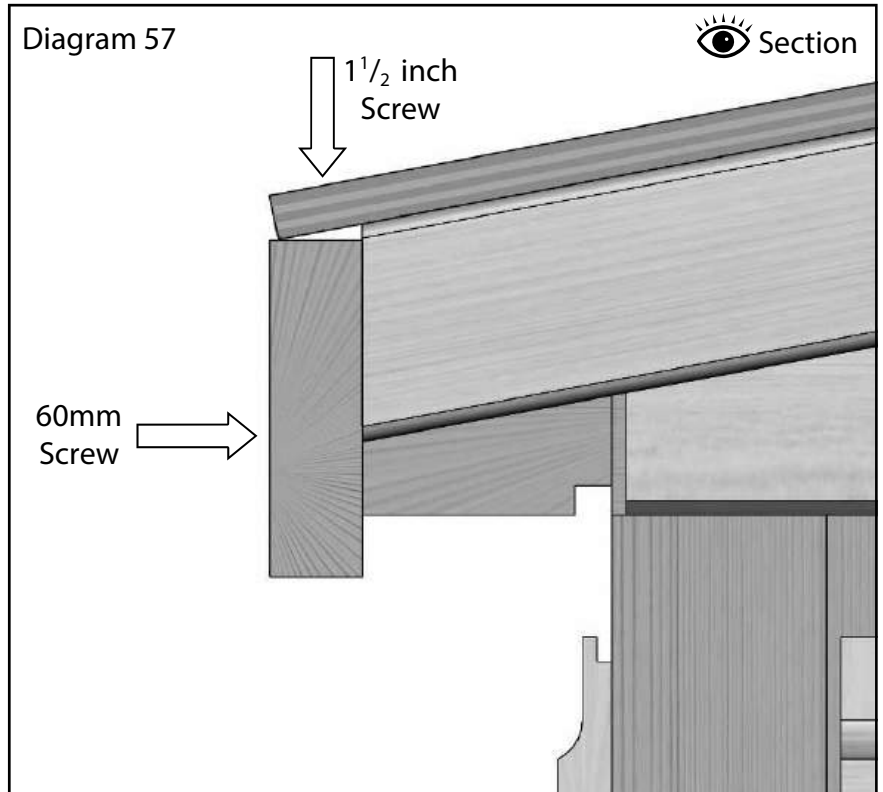


Diagram 56



# Trims & Cloaking Installation

External Diagram 59

Next you can install all the trims and capping pieces. Start with the long corner cloaking, this should be fitted level with the cedar cladding at the bottom of the panel (diagram 59). The outer edge should also be flush with the side cladding. Fix in place with 50mm Pan head screws (EV0367). Repeat this on the other end of the workshop (Part: AB0522).

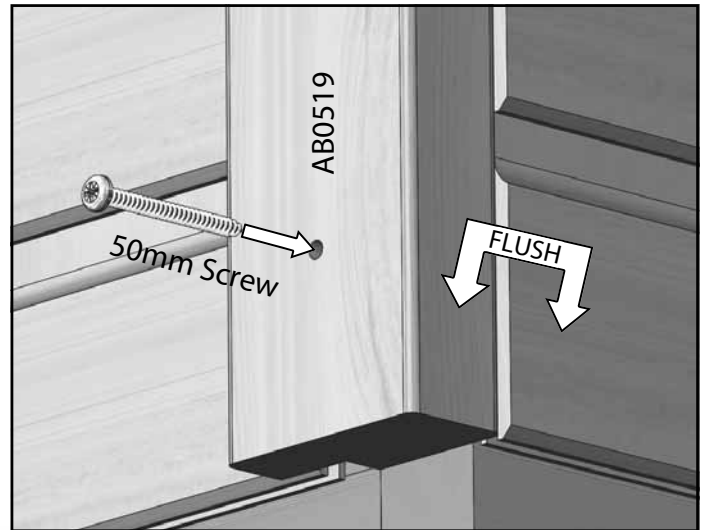
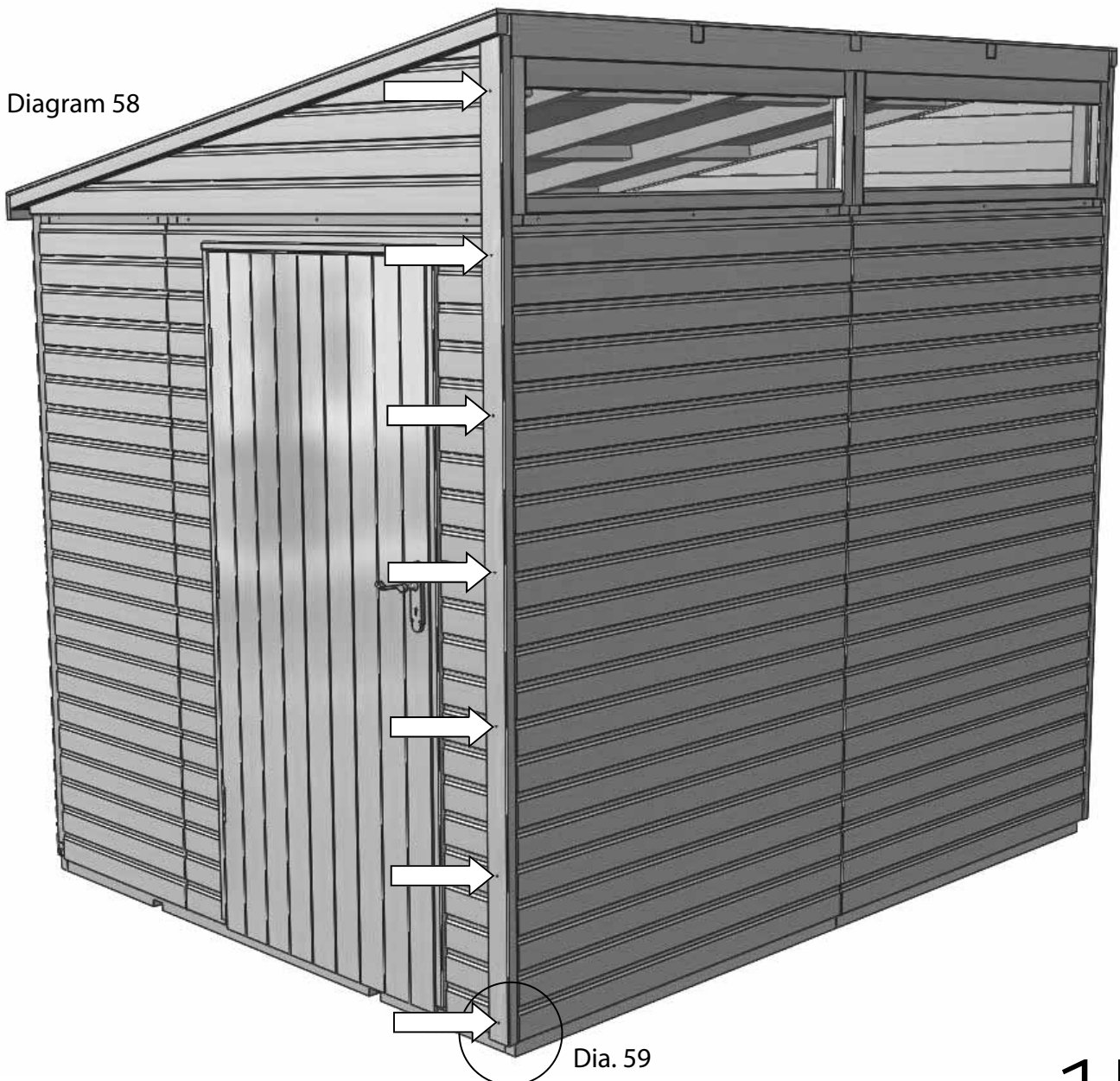
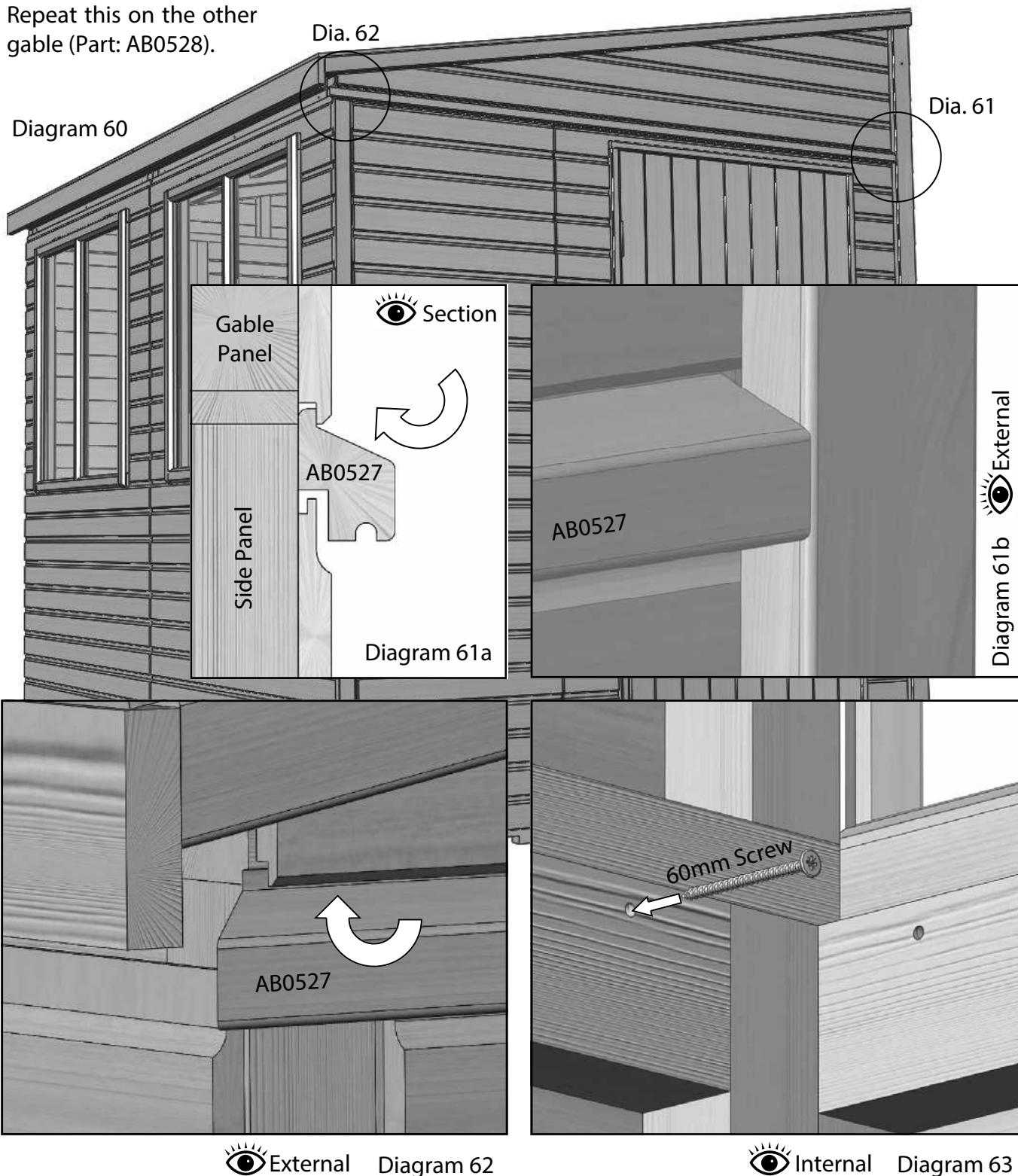


Diagram 58




# Trims & Cloaking Installation

Now fit the top trim rail to the gable end, slot the top edge in first then roll the bottom in. Position these tight up to the corner cloakings you just installed (diagram 61). The mitred end should line up nicely with the corner of the softwood frame (diagram 62). These are fixed in place from the inside of the building so you will need a helper to hold the trim in place while you do this. Fix through the factory drilled holes in the tops of the side frames using 60mm countersunk screws (diagram 63). Repeat this on the other gable (Part: AB0528).



# Trims & Cloaking Installation

 External Diagram 65

When the gable trim rails are fitted you can install the trim rail at the eaves, again slot the top edge in first and rotate the bottom edge in until in position (diagram 65). Fix internally with 60mm screws.

Part No.	Part Description
AB0530	Top Trim Rail - 6ft Long_Side 1955mm
AB0531	Top Trim Rail - 8ft Long_Side 2585mm
AB0532	Top Trim Rail - 10ft Long_Side 3215mm
AB0533	Top Trim Rail - 12ft Long_Side 3845mm

Now fit the internal top trim rail below the transom windows (diagram 64). This should be positioned 55mm from each end , using the outside face of the corner cloaking as the reference point (diagram 66).

Dia. 65

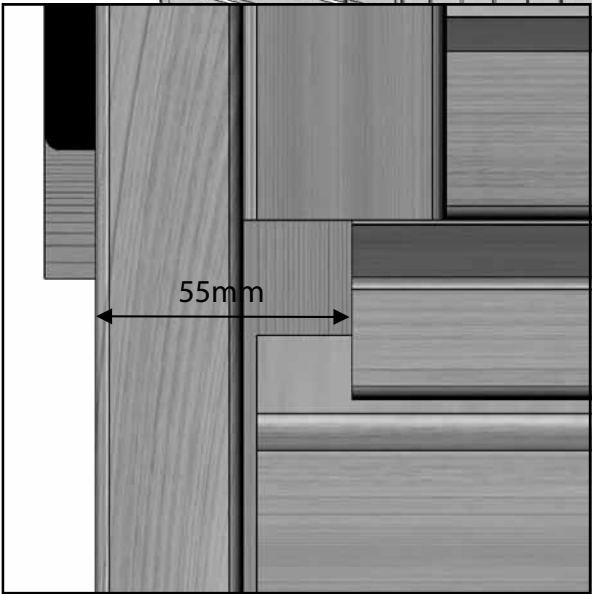


Diagram 66  Section

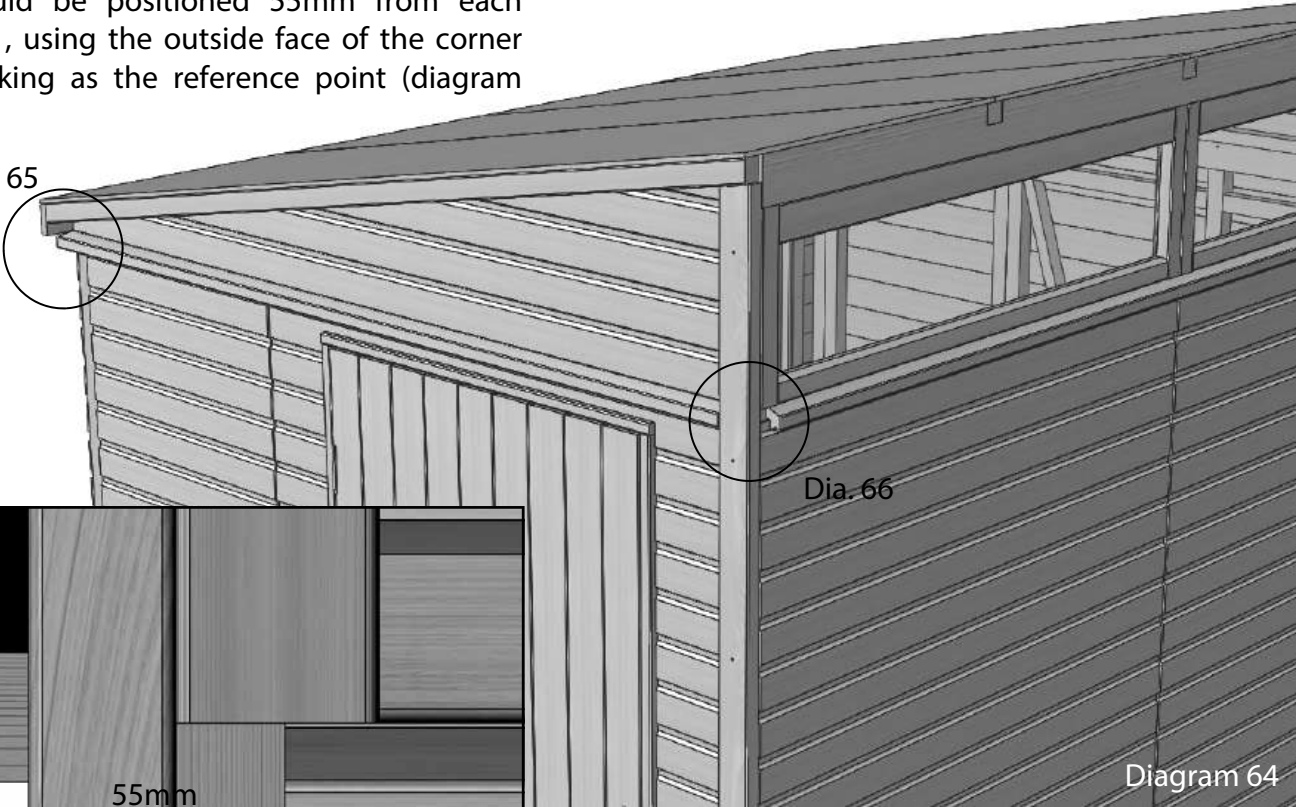
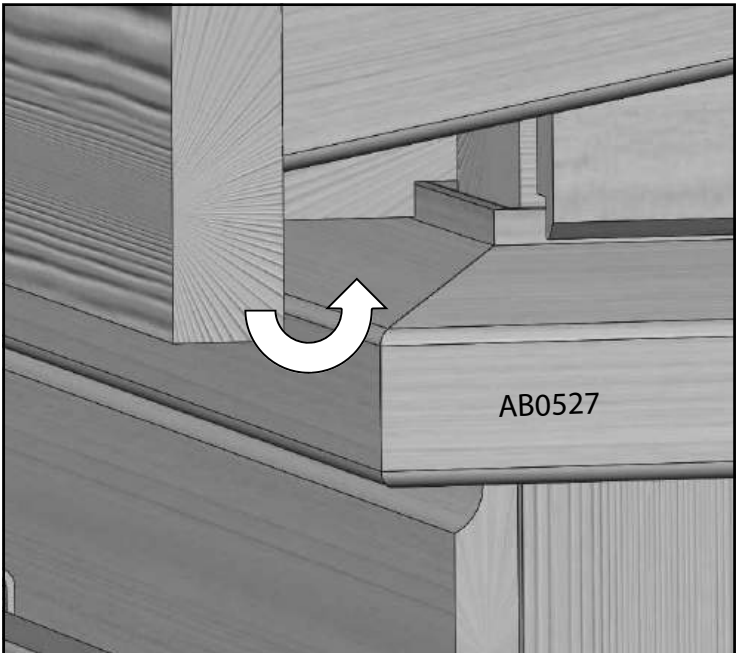


Diagram 64

Part No.	Part Description
AB0535	Top Trim Rail - 6ft Long_Side_Internal 1844mm
AB0536	Top Trim Rail - 8ft Long_Side_Internal 2474mm
AB0537	Top Trim Rail - 10ft Long_Side_Internal 3104mm
AB0538	Top Trim Rail - 12ft Long_Side_Internal 3734mm

# Trims & Cloaking Installation

External Diagram 68

Next fit the shorter corner cloaking sections, this time you want to position these below the trim rails. Again these should be fitted flush with the cladding on the side panels (diagram 68). Fix with 50mm Pan head screws.

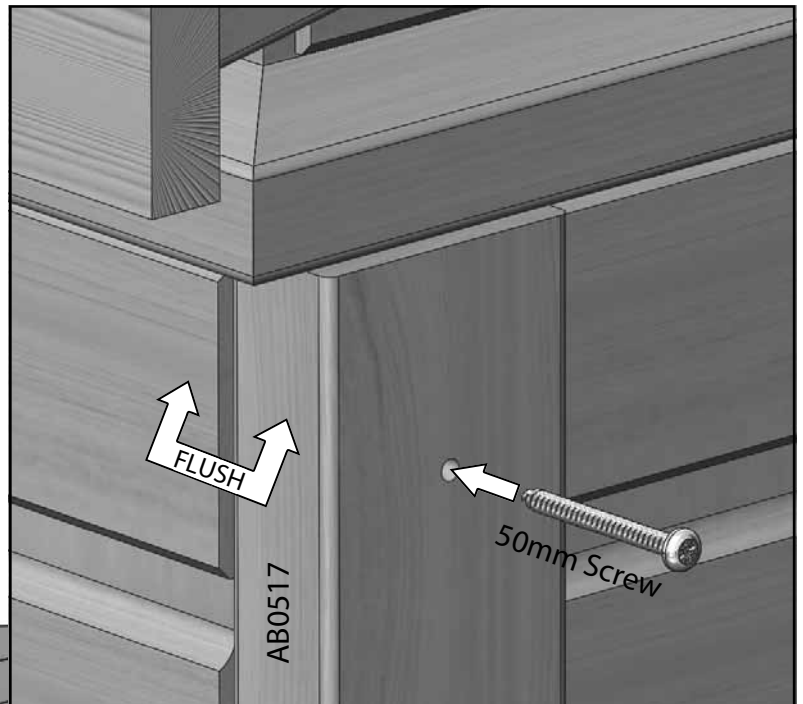
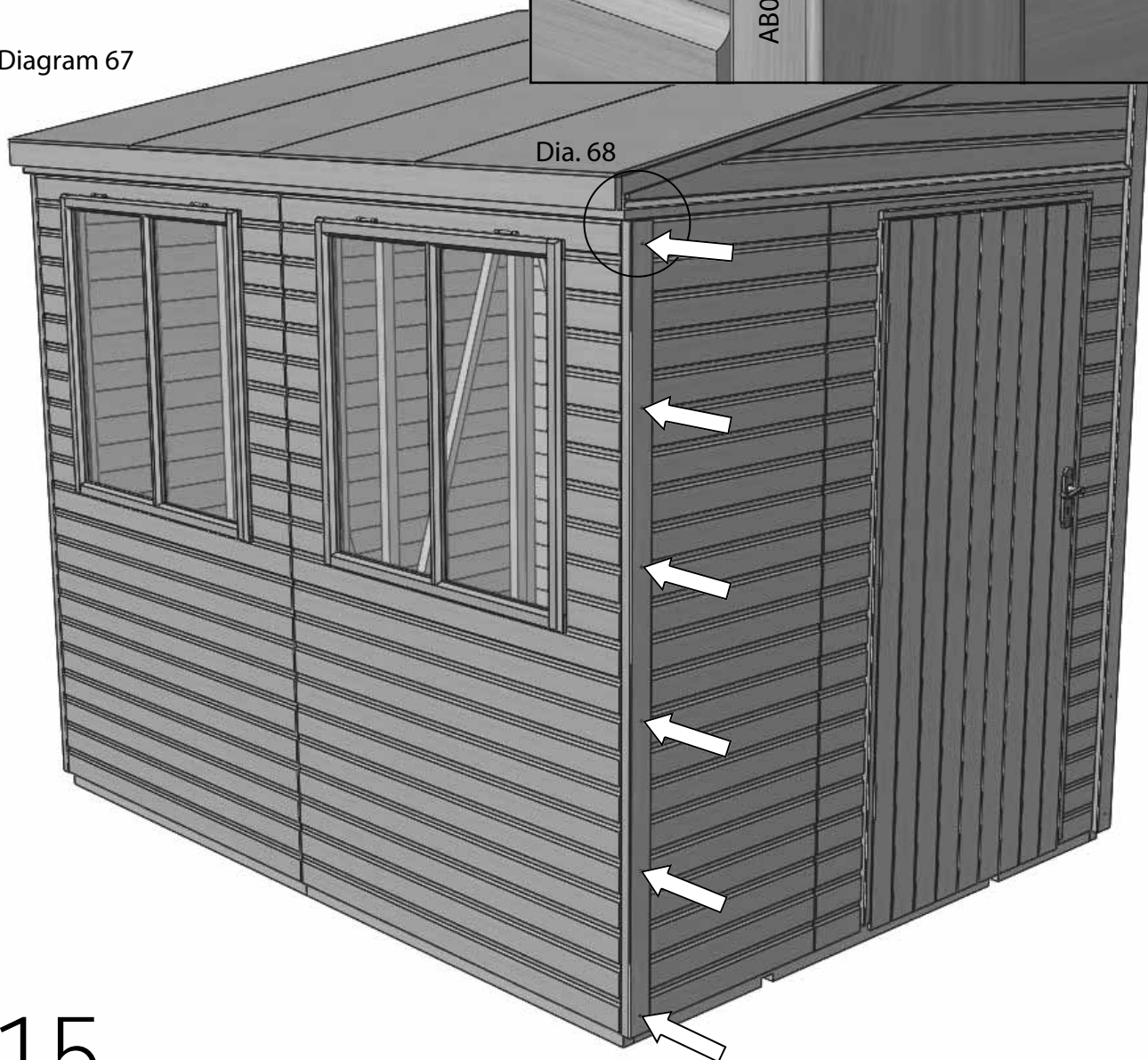


Diagram 67



# Trims & Cloaking Installation

Now the cloaking trims can be fitted to all the vertical joints in the panels (diagram 70). You can also fit these to the joint between the corner cloaking and the side panels (diagram 71). Fix in place with 40mm Pan head screws, the screw is located centrally to the joint.

Diagram 69

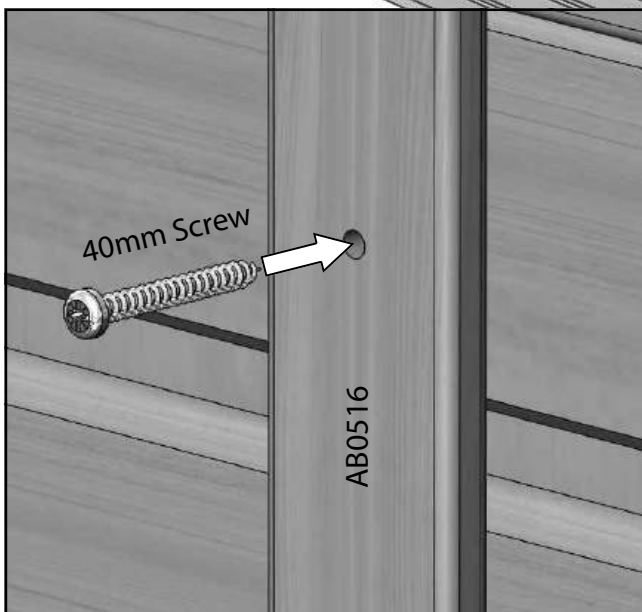
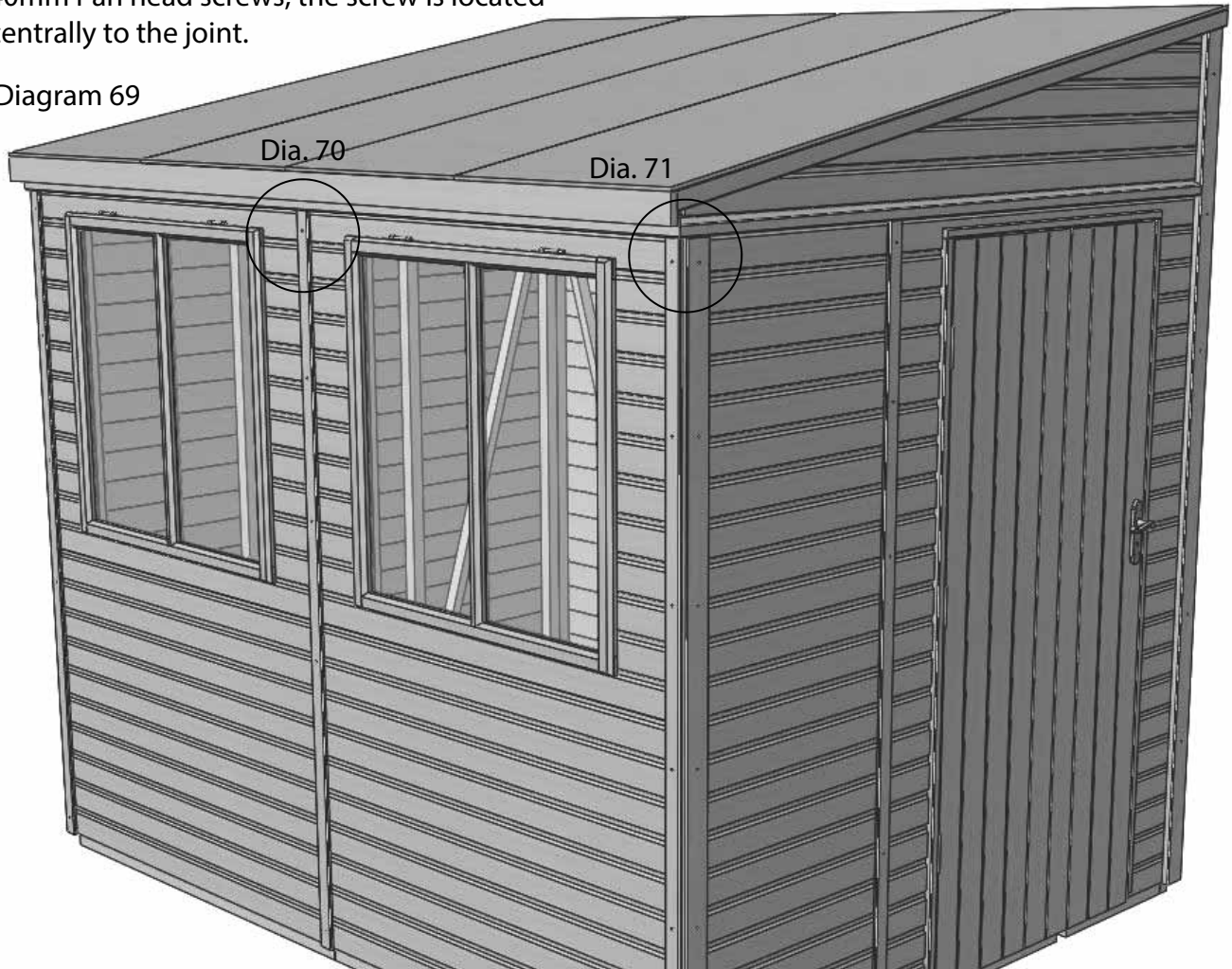


Diagram 70  External



Diagram 71  External



# Trims & Cloaking Installation

External Diagram 73

The weather strips are fitted directly above the large side windows (diagram 73). On the inside of the building drill 3 pilot holes no more than 10mm below the joint in the panel, shown by the arrows below (diagram 74). Fix in place with 60mm countersunk screws.

Diagram 72

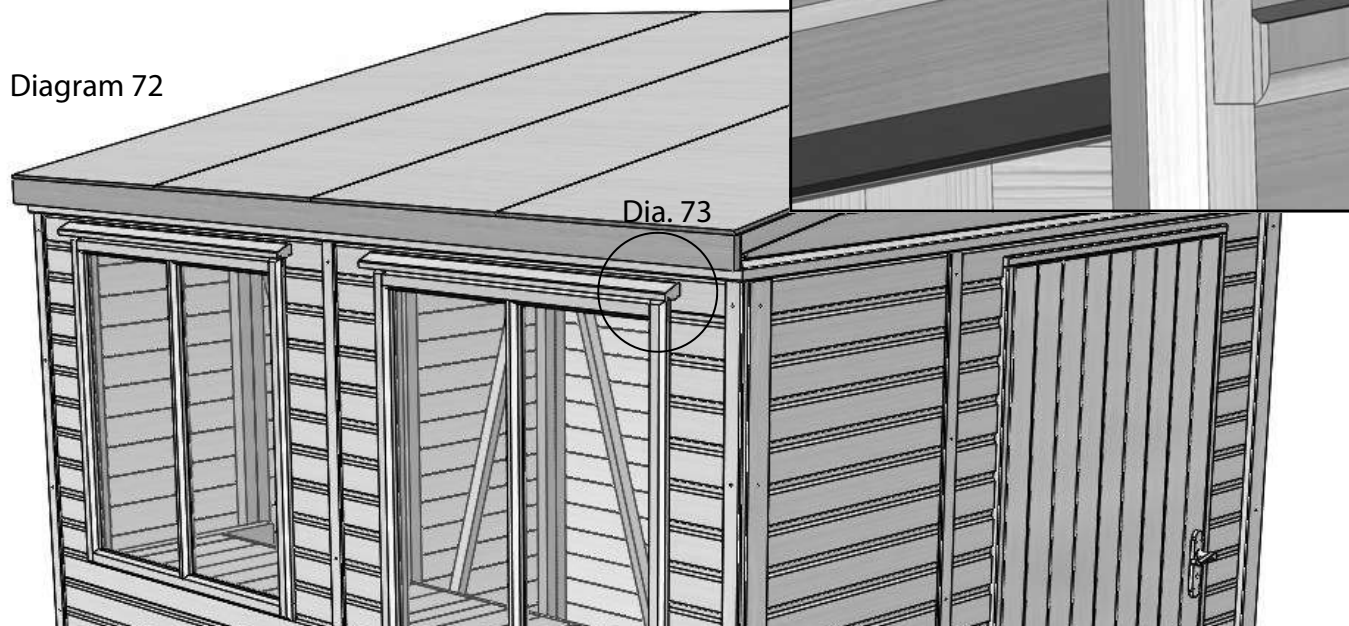


Diagram 74

While inside the building it's a good time to fit the window rebate strips to either side of the window aperture. Nail these in place with the panel pins supplied. You will need 4 pins in each section.

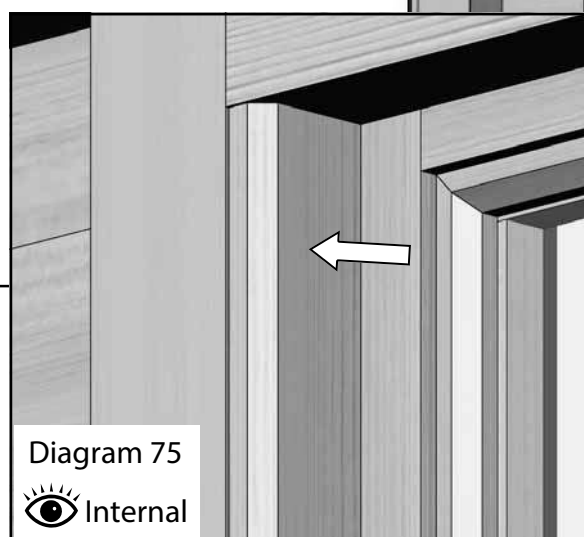
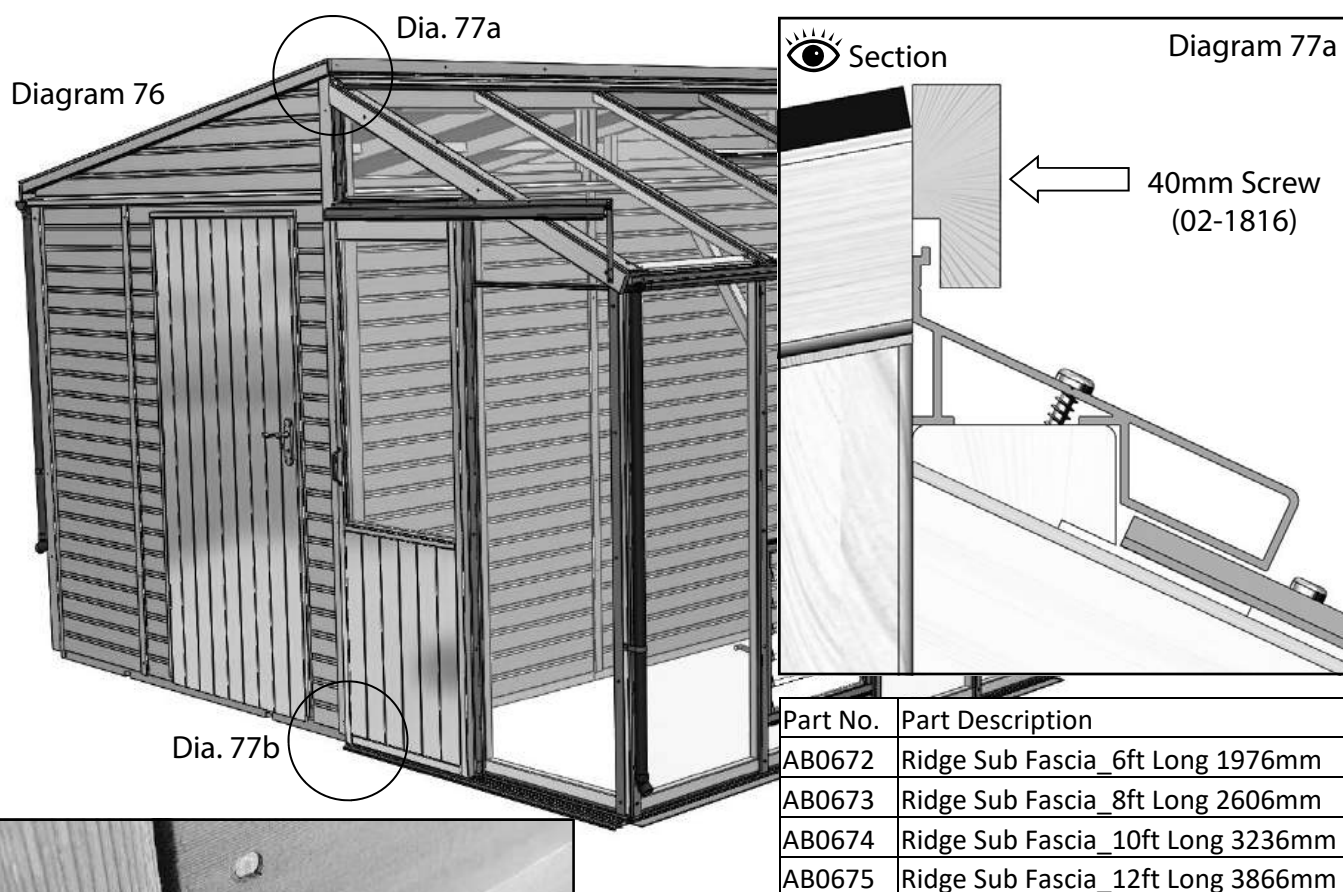


Diagram 75

Internal

# Greenhouse Installation

1. Now follow the main greenhouse instructions, head straight to page 5. Familiarise yourself with the process of installation in the overview. Once you have read this you can begin to install the aluminium base (page 7).
2. When you get to page 20 (section 7) you can ignore the instruction to stick the foam strip to the ridge and wall bars.
3. Page 21 talks about fixing the lean-to greenhouse to a wall, this is when you fix the greenhouse to the workshop.
4. You can then carry on following the greenhouse instructions to complete the glazing procedure, install the door and finally the ridge cap. Again ignore the instruction to fit the foam to the back of the ridge cap, this is not needed (page 38, diagram 56).
5. When you have fitted the ridge cap on page 39 (section 11) of the main greenhouse instructions, you can then return to this instruction book.



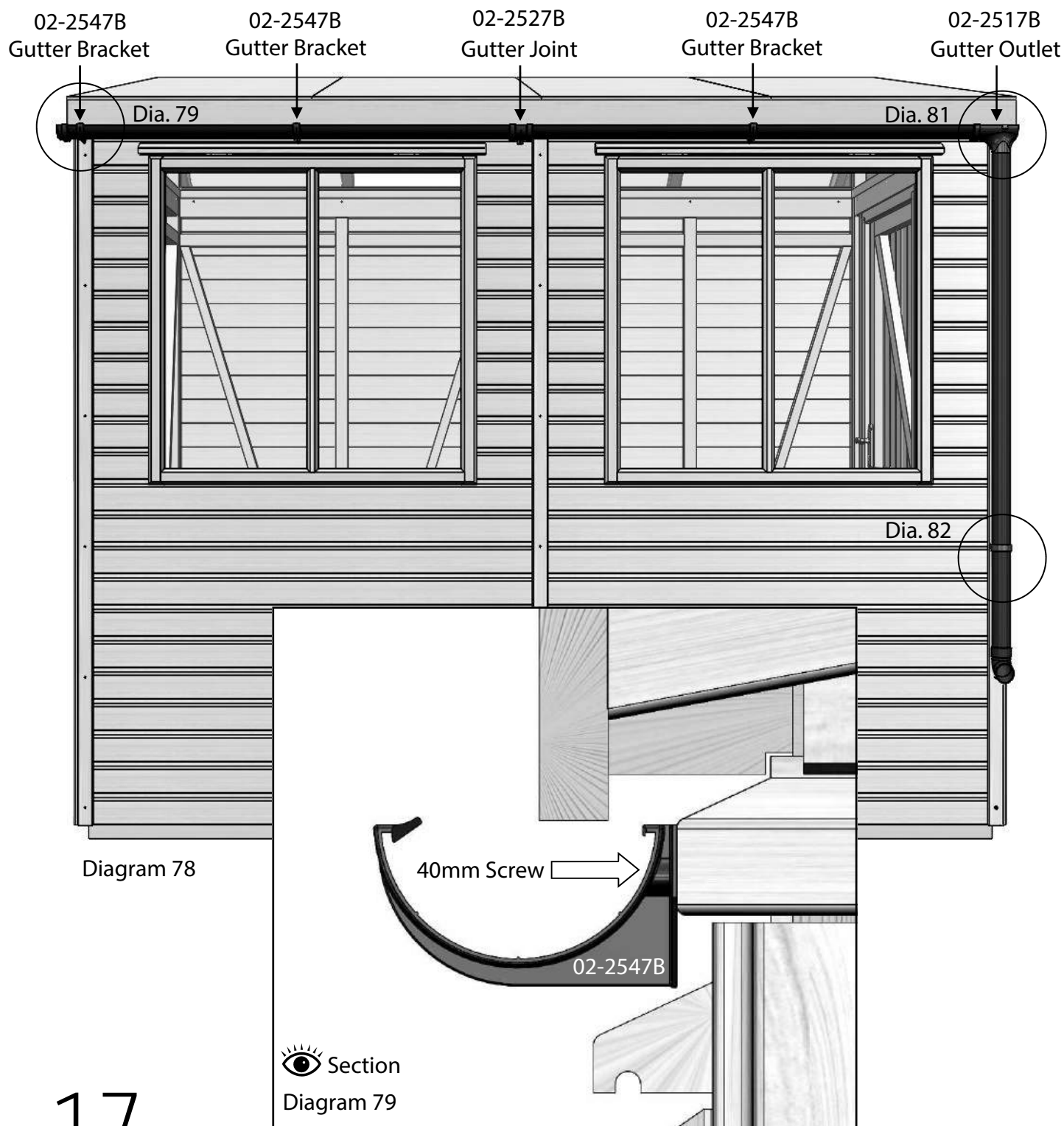
The next step is to fit the ridge sub-fascia above the aluminium ridge cap of the greenhouse. The top of the sub-fascia should not be above the top edge of the ply roof sheets (diagram 77a). Fix in place with 60mm countersunk screws.

Using the foam supplied with the lean-to greenhouse, stick 3 layers together and stick to the bottom corners of the workshop floor. This is to seal a small gap created by the panelling (diagram 77b).

# Gutter Installation (Optional)

If you have not opted for the workshop guttering system ignore this step and move onto the felting of the workshop roof.

Begin fitting the guttering by fixing a gutter bracket above the cloaking trim at the end of the building (diagram 79). Fit another bracket at the half waypoint between the first bracket and the expected position of the gutter joint. With two brackets attached take a gutter section and fit the end cap to one end, offer this up to get the exact location for the gutter joint and fix the gutter joint in place. Then clip the gutter section with the end cap into place.





# Gutter Installation (Optional)

External Diagram 81

Now fit the gutter outlet to the building, the centerline of the downpipe should be in line with the centerline of the end cloaking trim (diagram 81). Fix the gutter outlet to the building with a 40mm Pan head screw. Fix another gutter bracket half way between the outlet and the gutter joint. Measure the distance between the gutter joint and the outlet then trim the gutter section to fit, this can then be inserted.



Diagram 80 External

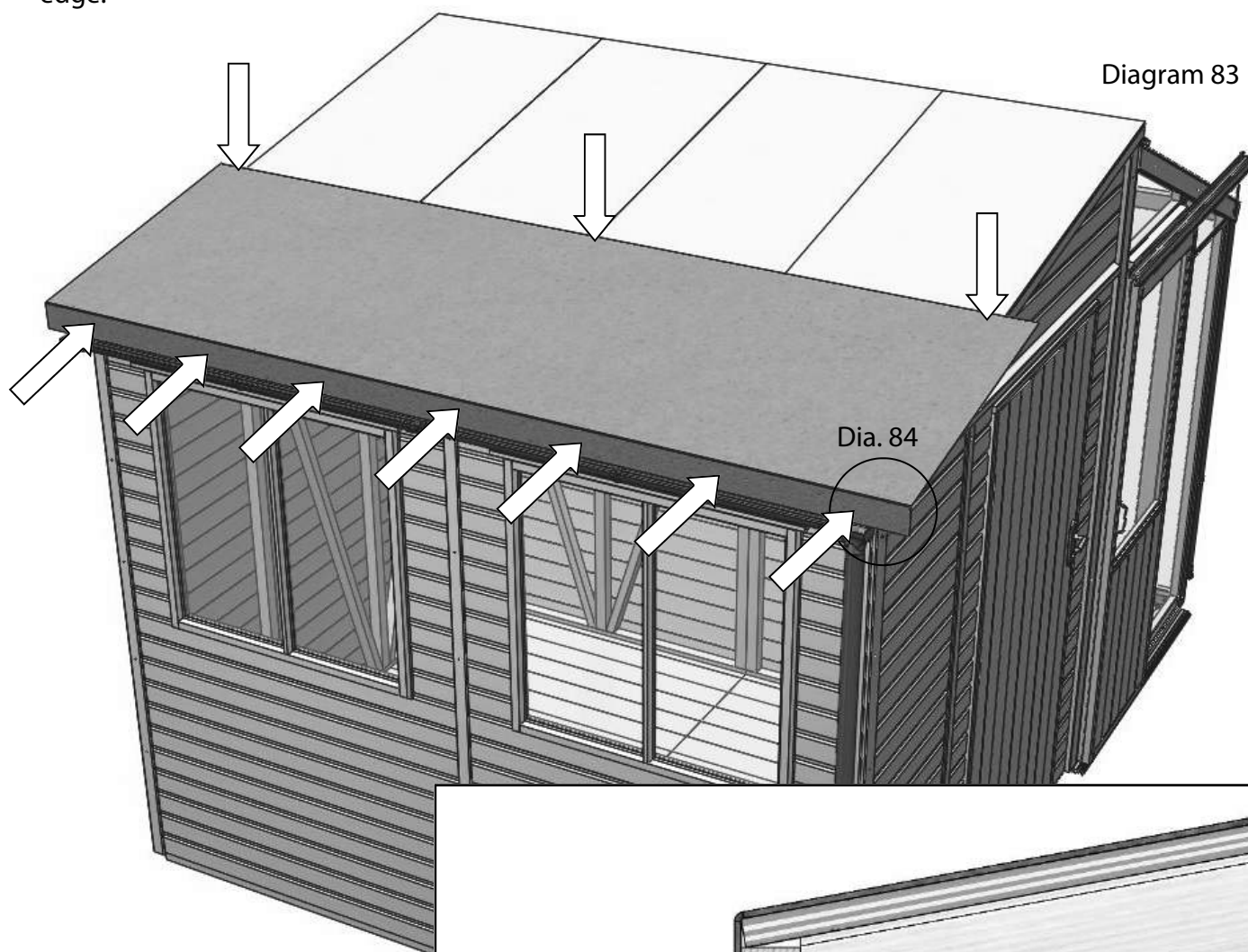
Next remove one of the cloaking trim screws, the 3rd up from the bottom works well. Take the downpipe bracket and fix it with this screw (diagram 82). Slot the downpipe through the bracket and on to the gutter outlet. You can then tighten the round head bolt in the downpipe bracket to secure it. Finally, add the downpipe shoe.



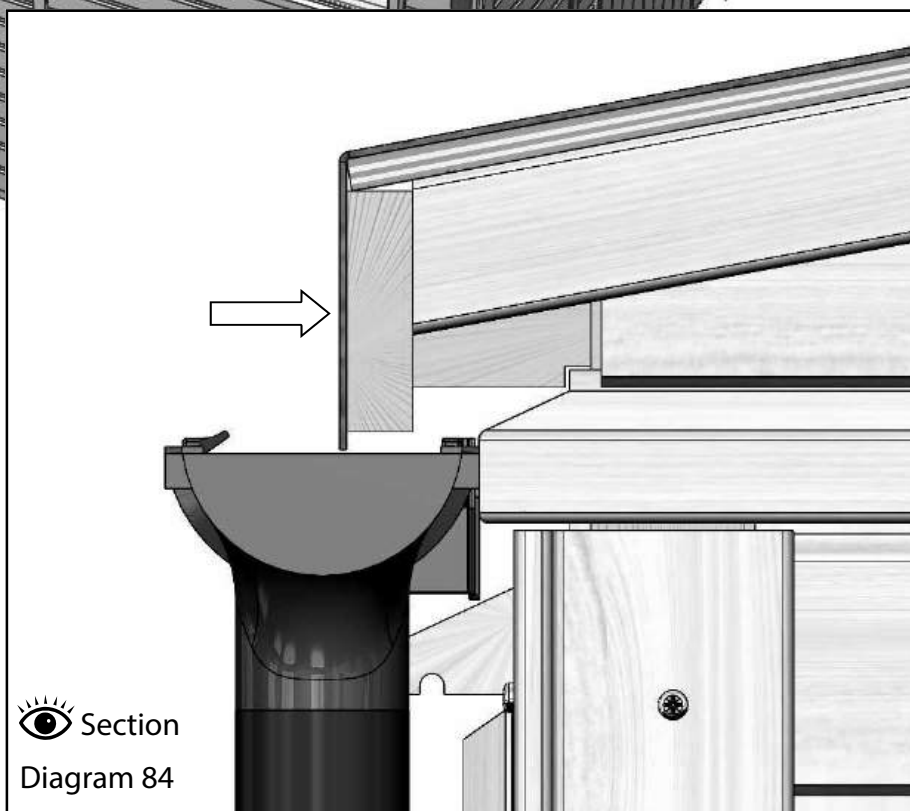
Diagram 82 External

# Roof Felt Installation

Before cutting the roof felt, measure the roof and add 160mm to that. You can then cut 3 strips at this length. The first section of roof felt should be fitted with an 80mm overhang along the bottom edge.



Fix the felt in place with clout nails, position these around 200mm apart (along the bottom edge diagram 83). Make sure the felt is tight at the eaves and nail the top edge of the felt in a few places to keep it in position.



# Roof Felt Installation

Now use the cedar ridge fascia to position the felt in-line with the roof purlins, **DO NOT FIX THIS TO THE ROOF** (diagram 85). Line it up with the lowest of the marks on the lower purlin, you made these earlier in the build on the soffit bars (diagram 50, page 21). Lay the next run of roof felt on the roof all the way up to the ridge fascia position. You can then nail the felt in place with clout nails at the positions shown by the arrows (diagram 86). It's a good idea to check inside to be sure all the nails are going into the roof purlin.

Diagram 85

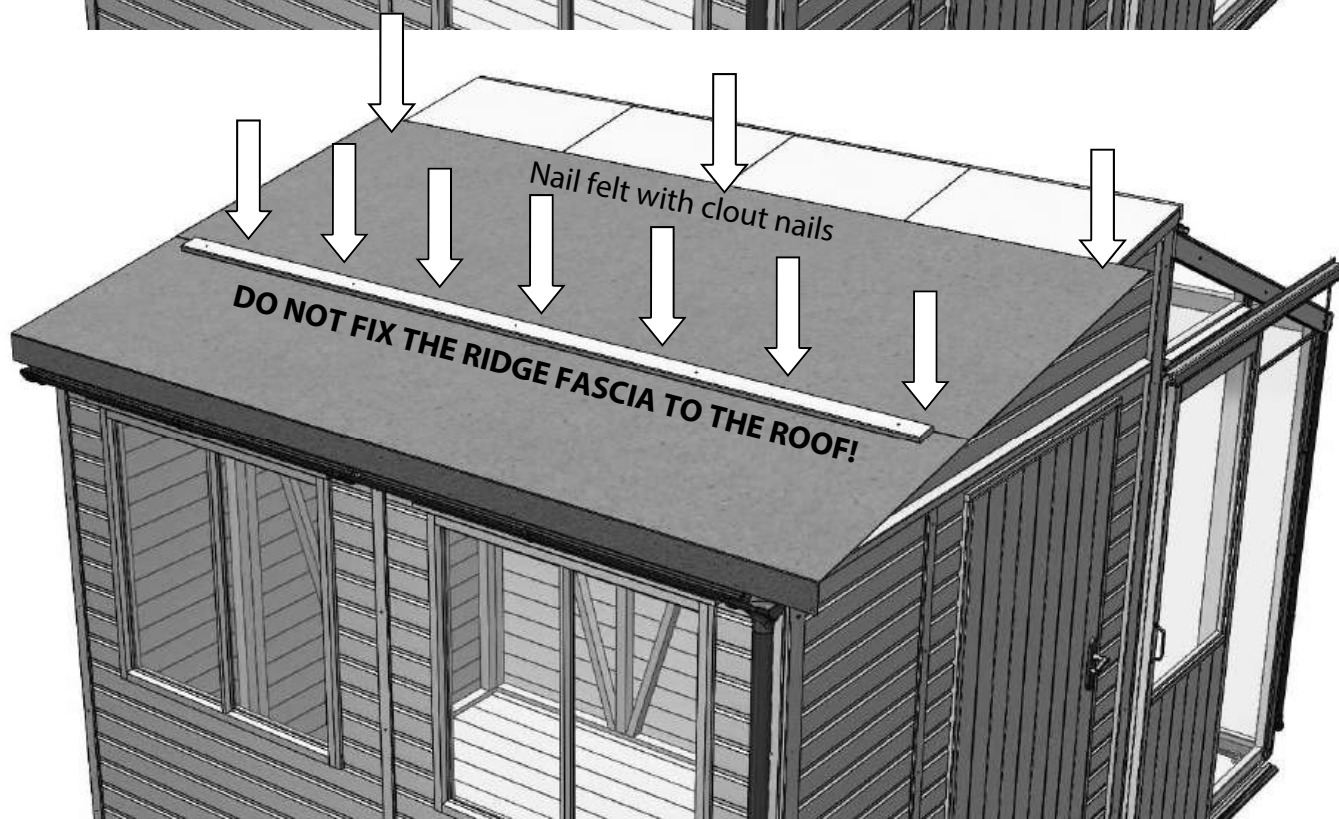
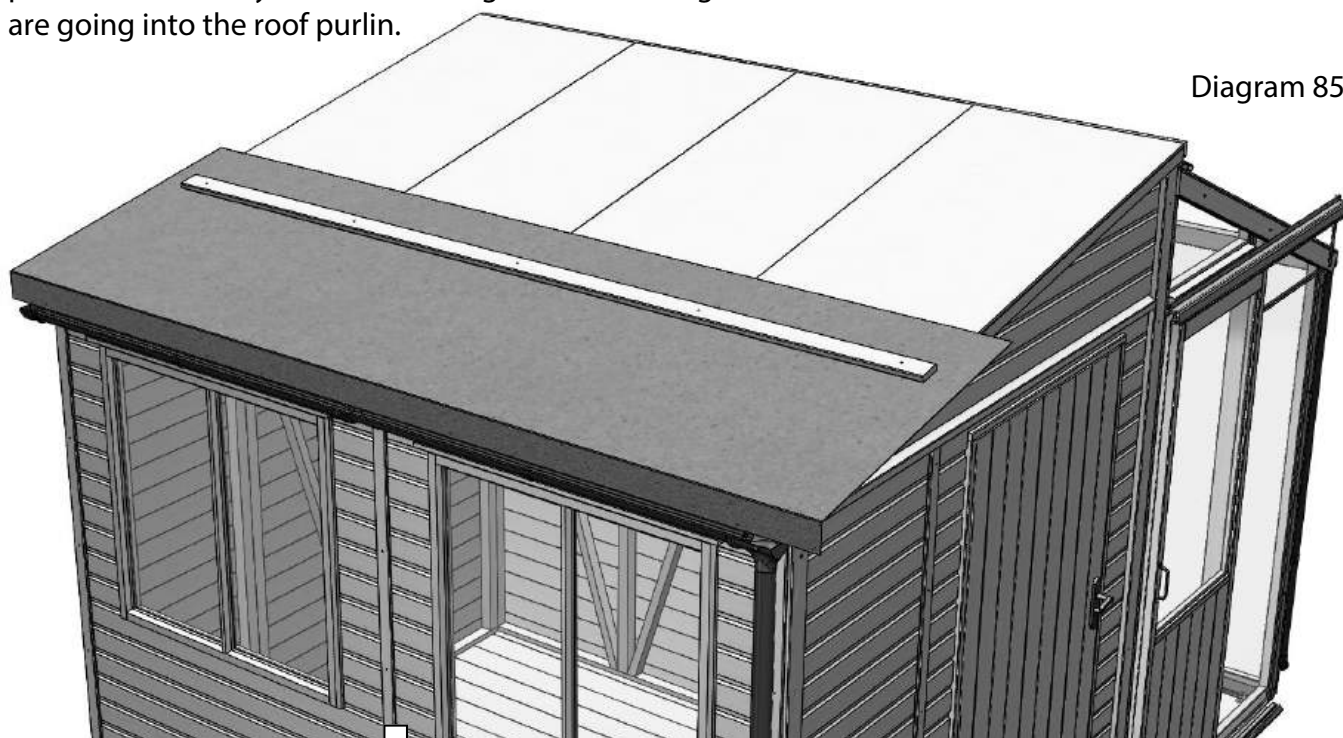


Diagram 86

# Roof Felt Installation

Again line the ridge fascia up with marks on the gable soffit bar, this time use the lower mark on the upper purlin (diagram 87). Lay the next length of roof felt on to the ridge and get it in to position. Fix down with clout nails and allow the excess to lay on the roof of the greenhouse (diagram 88). Again check inside to be sure the nails have hit their targets!

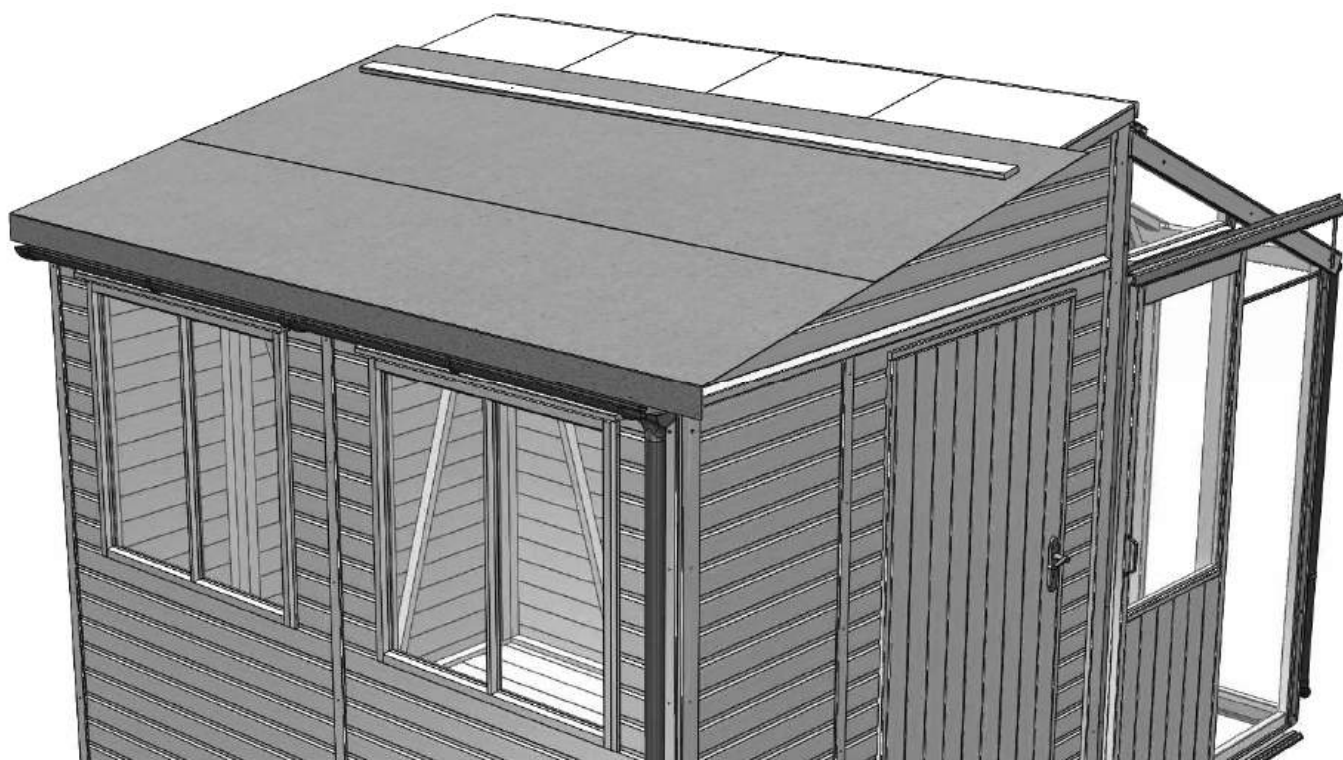


Diagram 87

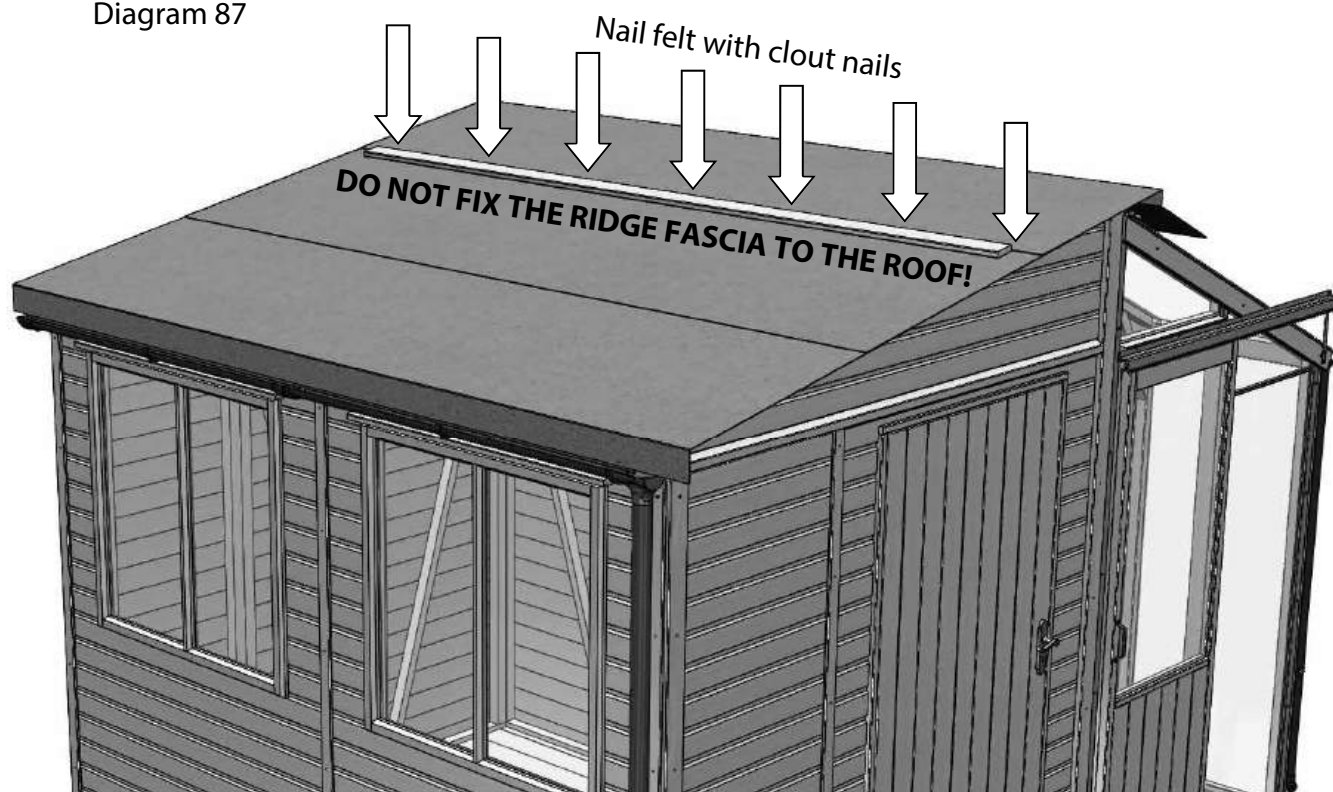
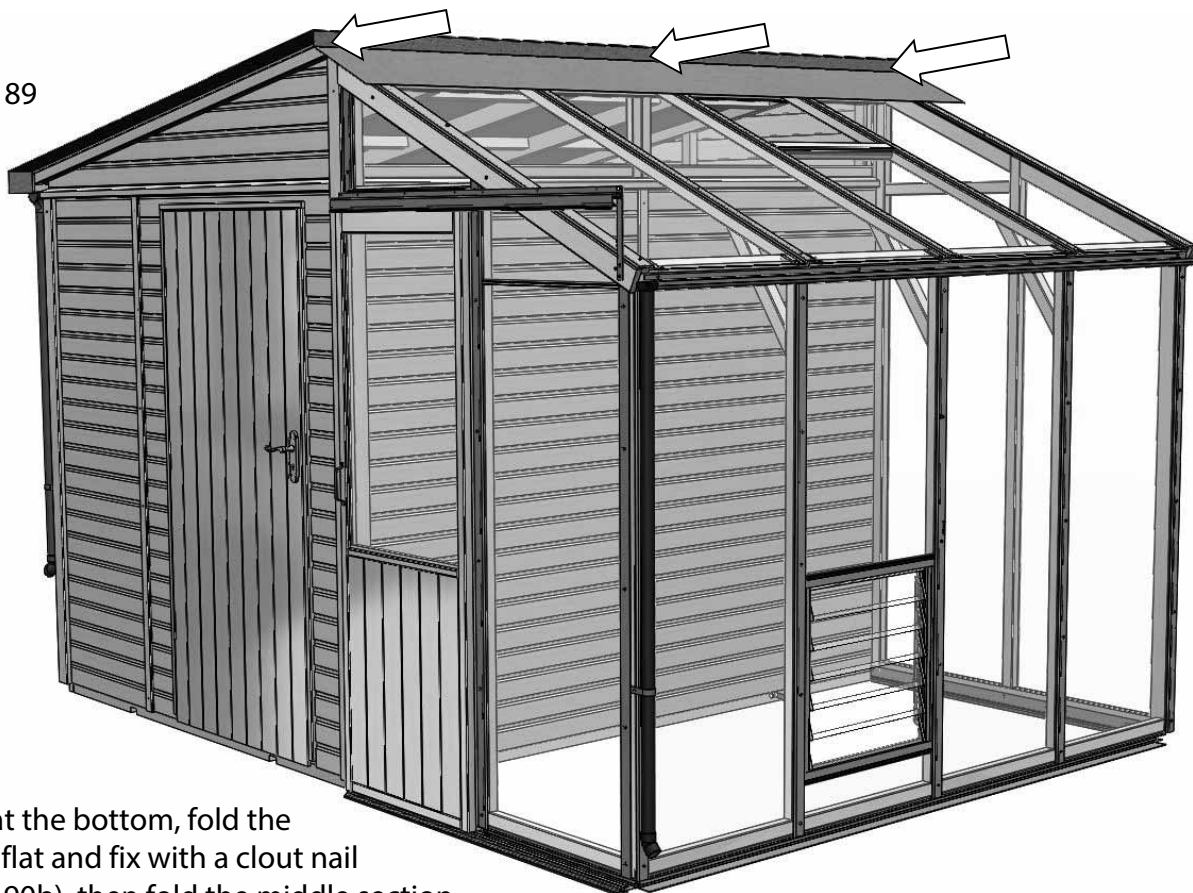


Diagram 88

# Roof Felt Installation

Shape the roof felt down the face of the sub-fascia, fix with just a few clout nails to hold it in place.

Diagram 89



Starting at the bottom, fold the corner in flat and fix with a clout nail (diagram 90b), then fold the middle section down and fix through the overlap. Now fold the top section of felt down, again folding the corner in flat and fix with clout nails.

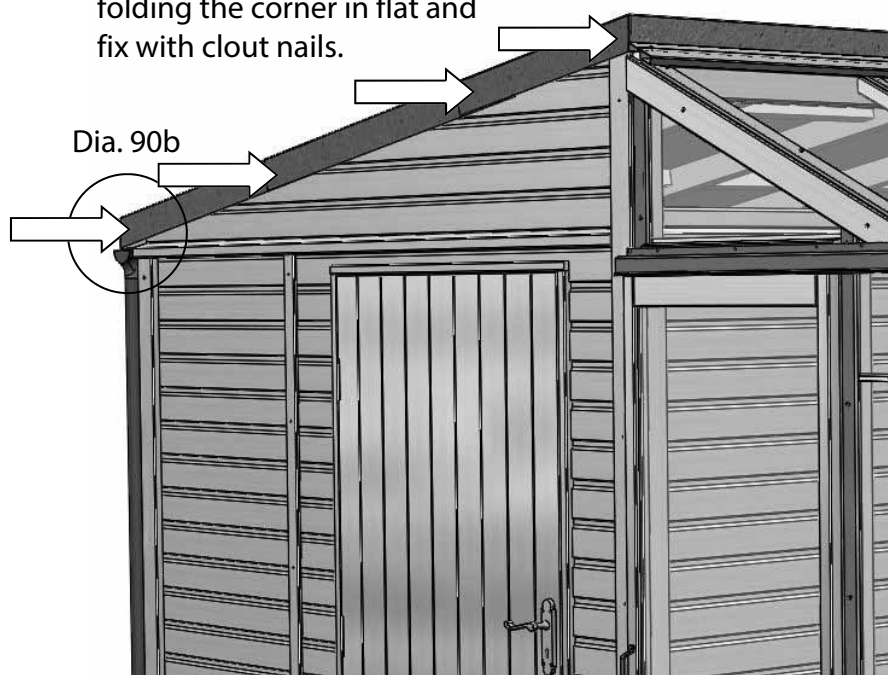
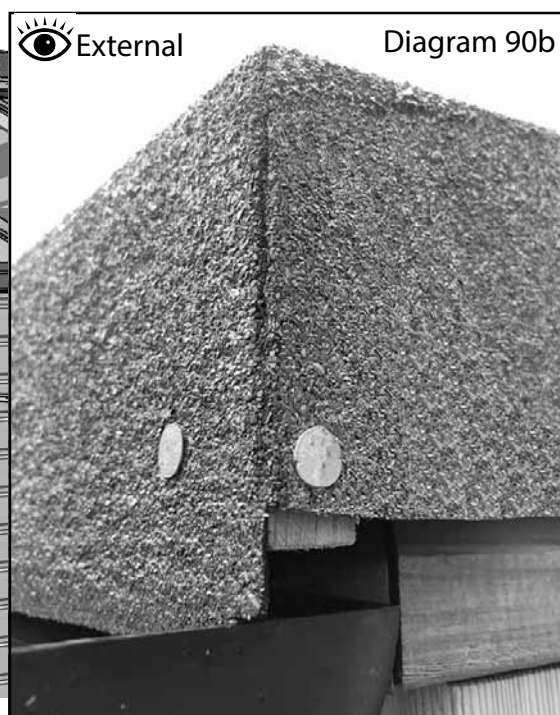


Diagram 90a





# Barge Board Installation

With the felt folded over the gable ends and nailed down you can install the barge boards. These should be fitted flush with the top of the roof and eaves (diagram 92). Fix in place with 40mm Pan head screws.

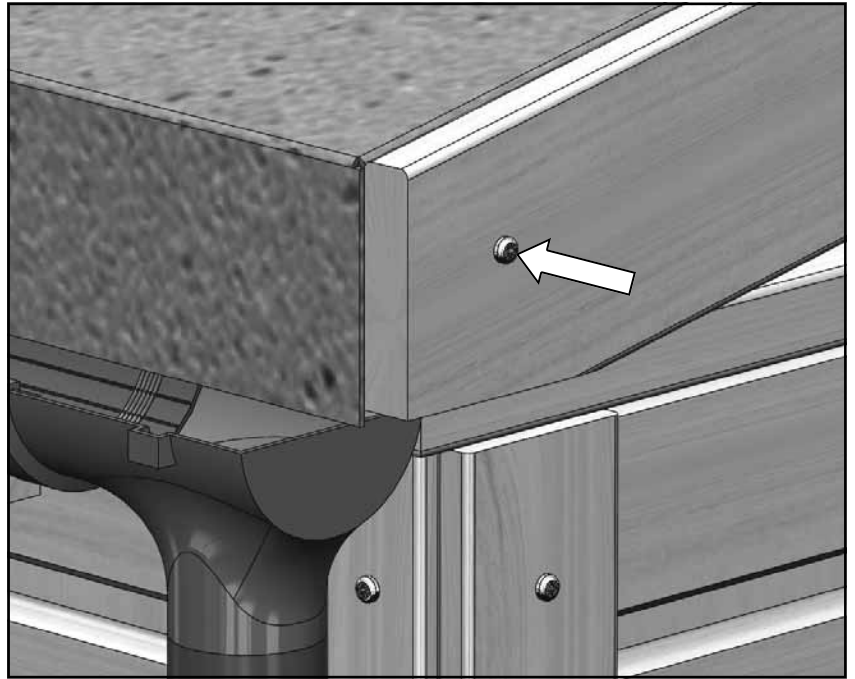


Diagram 92

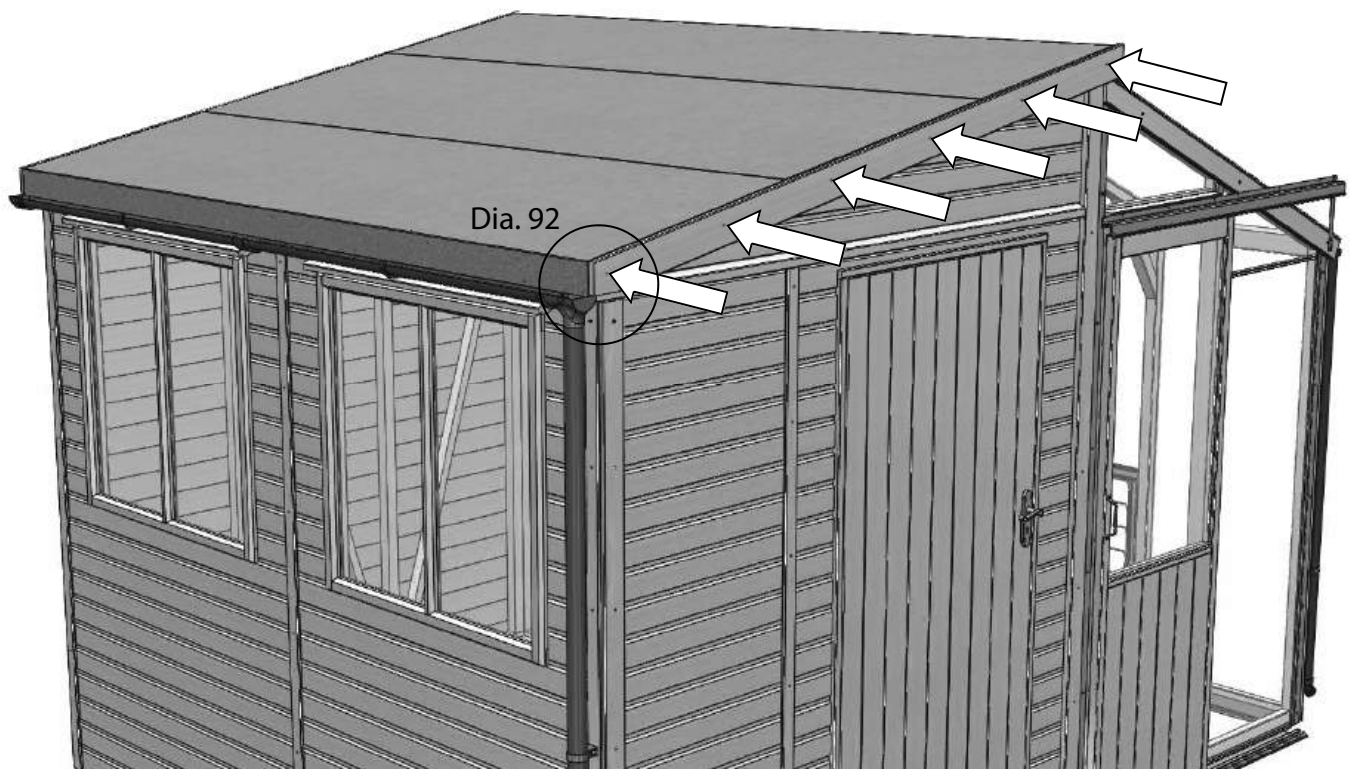


Diagram 91

# Ridge Fascia Installation

You can now fit the ridge fascia board, again this fits flush with the top of the roof and sits evenly spaced between the gable barge boards. Trim to size if needed.

Return to the main greenhouse instruction on page 40, section 12 to install the roof vent to the greenhouse. Go on to complete any remaining steps in the greenhouse instructions.

On page 43 of the main greenhouse instructions, diagram 52, the diagram shows the end caps being installed. These are now screwed in place with 25mm Pan head screws (diagram 95 below).

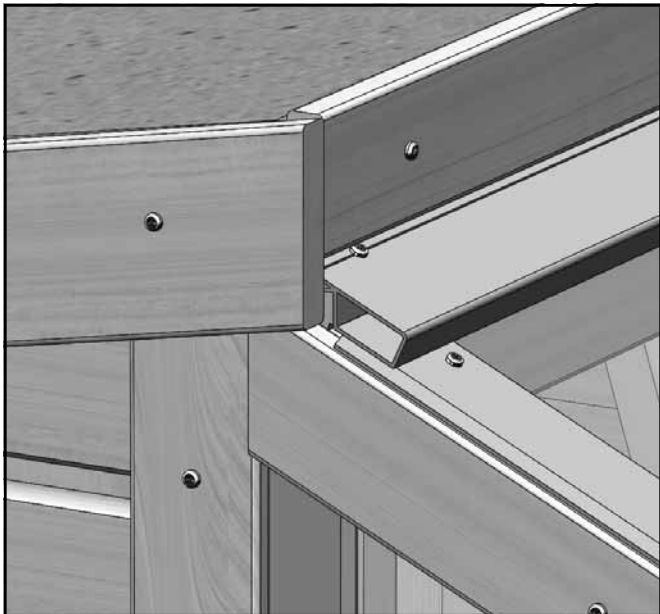


Diagram 94

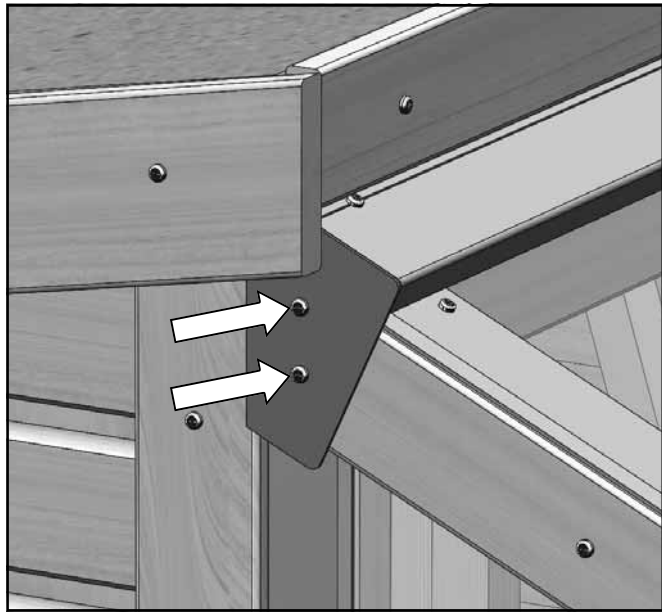


Diagram 95

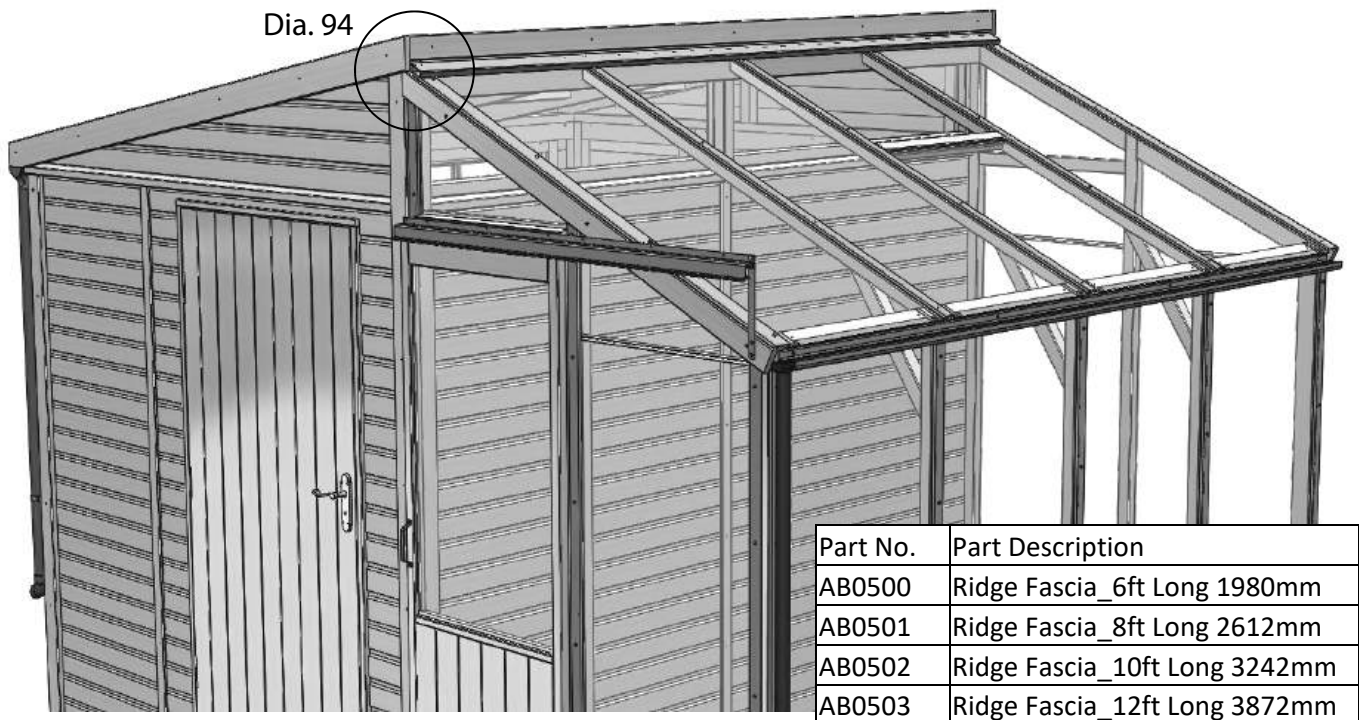


Diagram 93

# Work Bench Installation (Optional)

Diagram 96

**N.B.** The workbench height is set at 900mm from the floor (diagram 96). If you wish to install this at a lower position all you need to do is cut the work bench leg(s) to suite.

Start by marking the internal frame on each vertical member at 900mm that will come into contact with the workbench. This will help you line up the end mounts and workbench sections.

Drill pilot holes and fix the end mounts in place with 80mm countersunk zinc plated screws.

Hold the first workbench sections in place, line it up with the marks you made on the internal framework and fix it with 60mm countersunk zinc plated screws (diagram 98). To attach a workbench leg to support the loose end of the workbench, first you must drill 2 pilot holes through the tenoned end, use 40mm countersunk screws to fix in place (diagram 97). Check the leg is upright and fix to the floor diagonally through the back face.

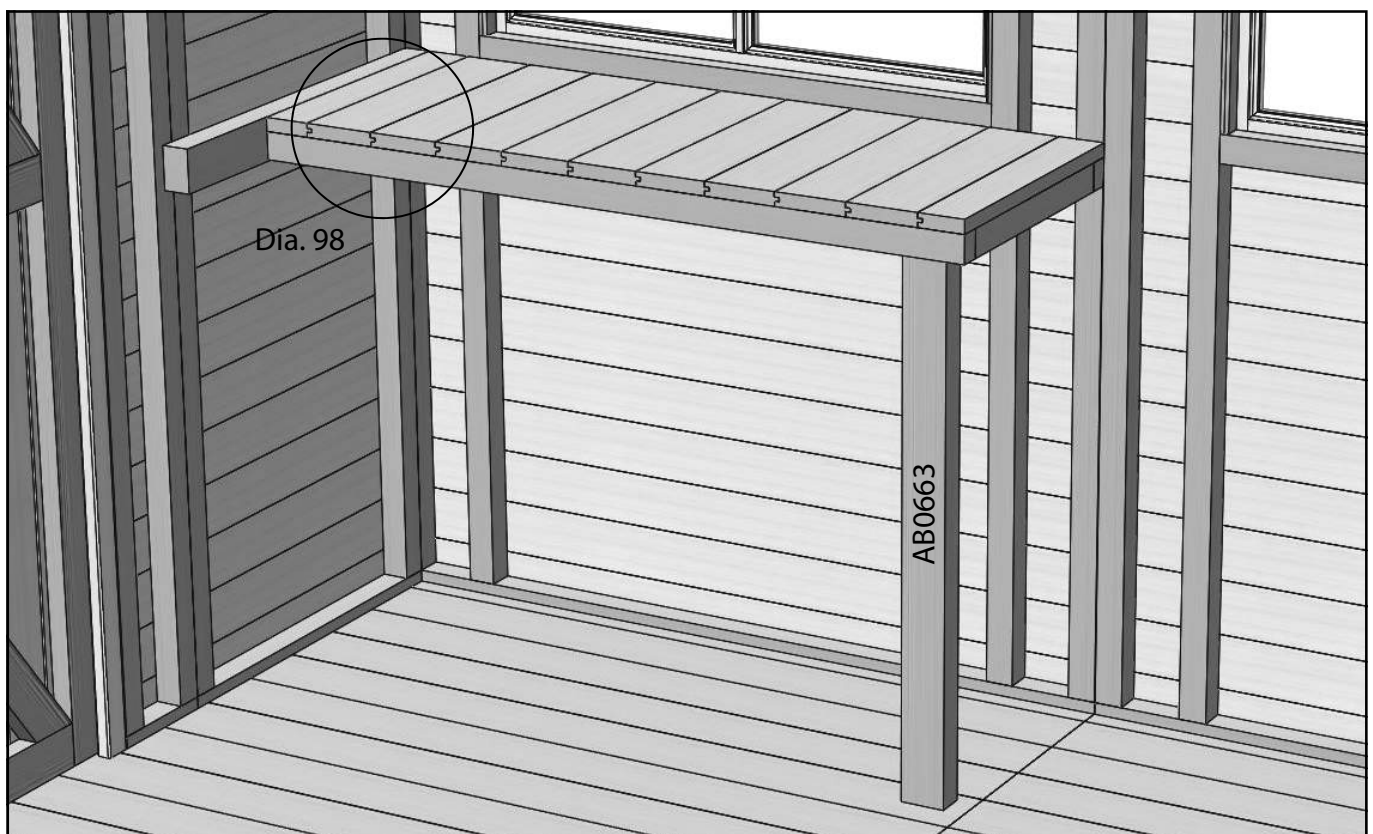
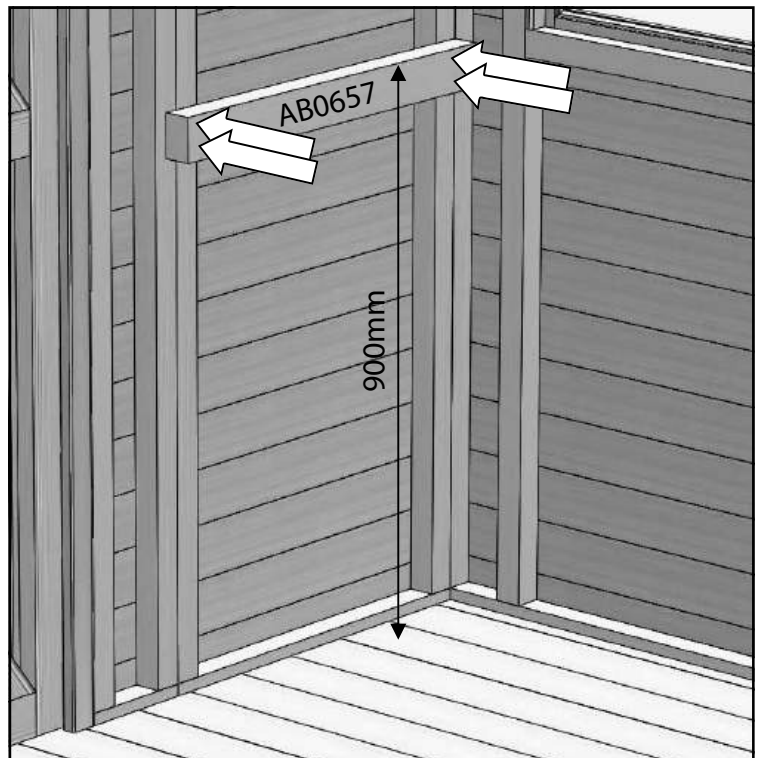


Diagram 97



## Work Bench Installation (Optional)

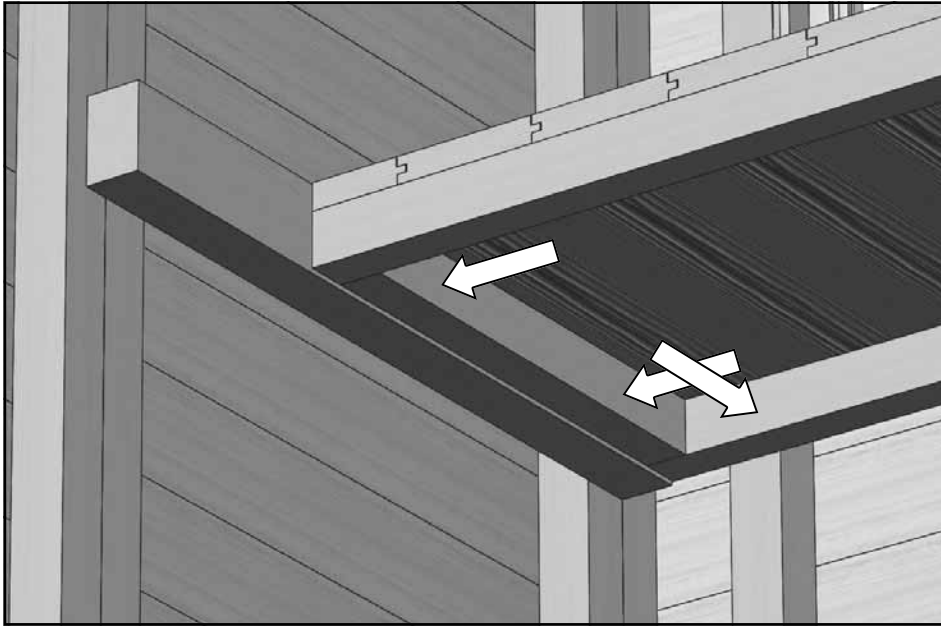


Diagram 98

Fix the next section(s) in place in the same way, using the marks on the framework to achieve the correct position. Use two 60mm countersunk screws between sections. Once the sections are in place you can fit the workbench cover strips (diagram 99). Drill evenly spaced pilot holes and fix in place with 40mm countersunk zinc plated screws.

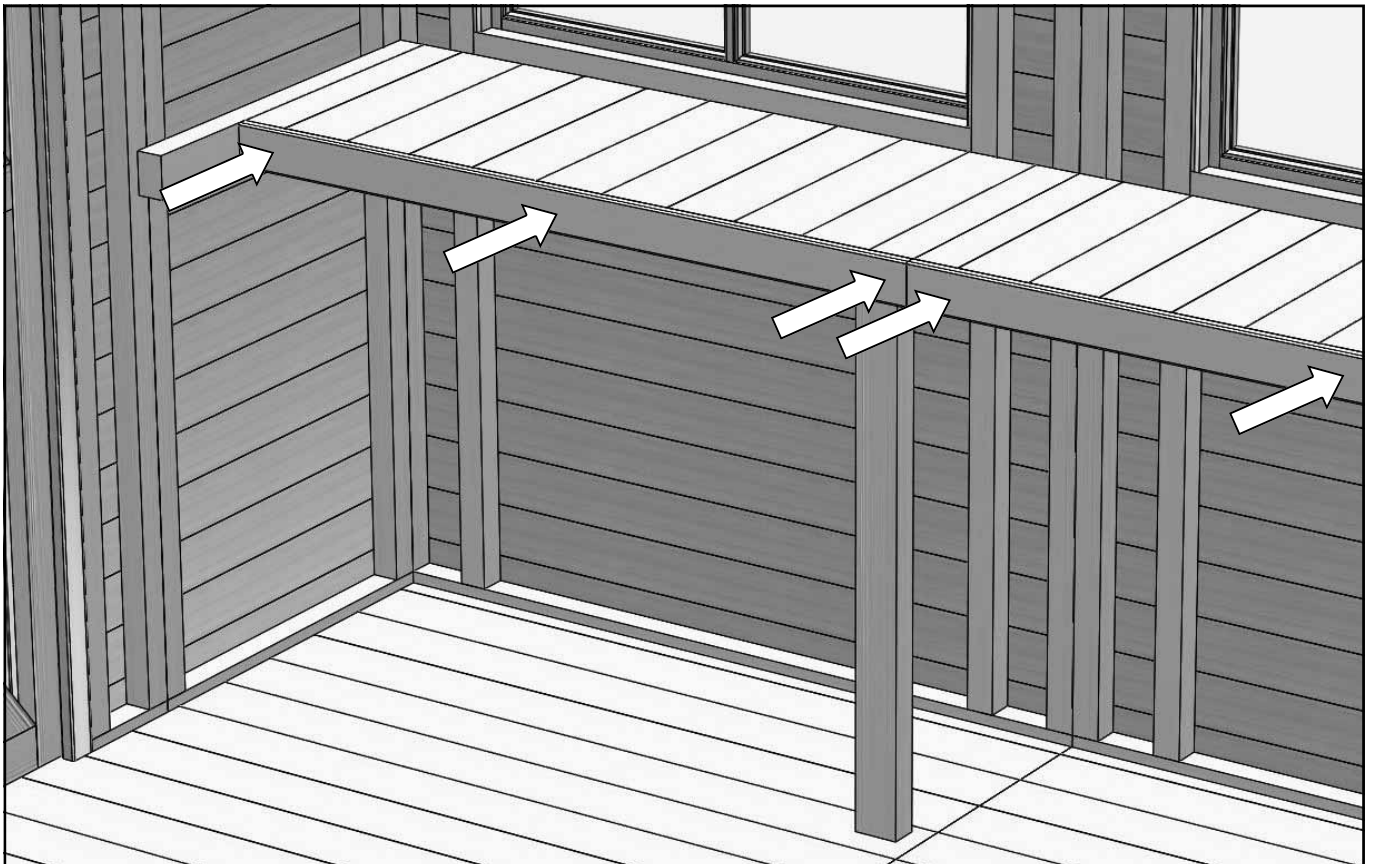


Diagram 99

Whats on the van:					
Part No.	Part Description	10x6	10x8	10x10	10x12
ABA0167	Floor Assembly - 6x2	1	-	1	-
ABA0168	Floor Assembly - 6x4	1	2	2	3
ABA0221	Transom Window_Single_Glazed	1	-	1	-
ABA0222	Transom Window_Double_Glazed	1	2	2	3
ABA0187	Side Panel Clad_Single_Plain	4	2	4	2
ABA0188	Side Panel Clad_Double_Plain	2	3	3	5
ABA0189	Side Panel Clad_Double_Door in Frame	1	1	1	1
ABA0202	Side Panel Clad_Double_Vented Window	1	2	2	2
ABA0182	Gable Assembly Clad_6ft wide PS_4ft LT_Front	1	1	1	1
ABA0183	Gable Assembly Clad_6ft wide PS_4ft LT_Rear	1	1	1	1
AS310	8kg Black Polyester mineral felt 1m wide × 4.1 m roll	1	1	3	3
AS311	10.8kg Black Polyester mineral felt 1m wide x 5.4m roll	1	-	-	-
AS312	13.2 kg Black Polyester mineral felt 1 m wide × 6.6m roll	-	1	-	-
AB0632	Roof Sheet_End 673mm x 2092mm	2	2	2	2
AB0633	Roof Sheet_Mid 630mm x 2092mm	1	2	3	4
EVFUSBOX106	Alton Evolution Fusion 10x6 Box	1	-	-	-
EVFUSBOX108	Alton Evolution Fusion 10x8 Box	-	1	-	-
EVFUSBOX1010	Alton Evolution Fusion 10x10 Box	-	-	1	-
EVFUSBOX1012	Alton Evolution Fusion 10x12 Box	-	-	-	1

EVFUSSMA01	Evo Fusion Smalls Pack 01	
Part No.	Part Description	Qty
02-1814	Wftscrew 1 1/2inx6g Csk Zp	45
02-1816	Chipboard Screw 5 X 40mm Zy	25
02-5110	5 x 60mm Countersunk Passivated	70
02-1868	Chipboard Screw Csk 5 X 80 Zy	35
02-1675	Clout Nails 1/2in	85
02-1680	Panel Pin 30 X 1.6mm S/steel	18
EV0332	40mm x 4 Pan Poz A2 SS woodscrew EV0332	45
EV0334	80mm x 5 Csk pozi woodscrew A2 SS EV0334	14
EV0336	25mm x 3.5 Csk pozi woodscrew A2 SS EV0336	5
EV0337	4mm HSS drill bit	1
EV0367	50mm Pan Poz SS EV0367	28

EVFUSSMA02	Evo Fusion Smalls Pack 02	
Part No.	Part Description	Qty
02-1814	Wftscrew 1 1/2inx6g Csk Zp	20
02-1816	Chipboard Screw 5 X 40mm Zy	8
02-5110	5 x 60mm Countersunk Passivated	16
02-1868	Chipboard Screw Csk 5 X 80 Zy	14
02-1675	Clout Nails 1/2in	45
EV0332	40mm x 4 Pan Poz A2 SS woodscrew EV0332	14
EV0334	80mm x 5 Csk pozi woodscrew A2 SS EV0334	5

EVFUSSMA03	Evo Fusion Smalls Pack 03	
Part No.	Part Description	Qty
02-1814	Wftscrew 1 1/2inx6g Csk Zp	56
02-1816	Chipboard Screw 5 X 40mm Zy	20
02-5110	5 x 60mm Countersunk Passivated	30
02-1868	Chipboard Screw Csk 5 X 80 Zy	17
02-1675	Clout Nails 1/2in	25
EV0332	40mm x 4 Pan Poz A2 SS woodscrew EV0332	28
EV0334	80mm x 5 Csk pozi woodscrew A2 SS EV0334	5

Alton Evolution Fusion 10 Box:					
Part No.	Part Description	10x6	10x8	10x10	10x12
EV0610	Victorian Door Handle SC	1	1	1	1
AB0145	Cabin Hook 8" SC 200mm	1	1	1	1
AB0500	Ridge Fascia_6ft Long 1980mm	1	-	-	-
AB0501	Ridge Fascia_8ft Long 2612mm	-	1	-	-
AB0502	Ridge Fascia_10ft Long 3242mm	-	-	1	-
AB0503	Ridge Fascia_12ft Long 3872mm	-	-	-	1
AB0506	Barge Board_6ft wide PS_4ft LT 2152mm	2	2	2	2
AB0516	External Cloaking Trim 1903mm	6	6	8	8
AB0517	External Corner Cloaking 1903mm	2	2	2	2
AB0519	External Corner Cloaking_Front_2335mm	1	1	1	1
AB0522	External Corner Cloaking_Rear_2335mm	1	1	1	1
AB0527	Top Trim Rail - 6ft Wide PS_Front 1952mm	1	1	1	1
AB0528	Top Trim Rail - 6ft Wide PS_Rear 1952mm	1	1	1	1
AB0530	Top Trim Rail - 6ft Long_Side 1955mm	1	-	-	-
AB0531	Top Trim Rail - 8ft Long_Side 2585mm	-	1	-	-
AB0532	Top Trim Rail - 10ft Long_Side 3215mm	-	-	1	-
AB0533	Top Trim Rail - 12ft Long_Side 3845mm	-	-	-	1
AB0535	Top Trim Rail - 6ft Long_Side_Internal 1844mm	1	-	-	-
AB0536	Top Trim Rail - 8ft Long_Side_Internal 2474mm	-	1	-	-
AB0537	Top Trim Rail - 10ft Long_Side_Internal 3104mm	-	-	1	-
AB0538	Top Trim Rail - 12ft Long_Side_Internal 3734mm	-	-	-	1
AB0575	Framing Eaves Plate 6ft Long 1802mm	1	-	-	-
AB0576	Framing Eaves Plate 8ft Long 2432mm	-	1	-	-
AB0577	Framing Eaves Plate 10ft Long 3062mm	-	-	1	-
AB0578	Framing Eaves Plate 12ft Long 3692mm	-	-	-	1
AB0589	Framing Gable Soffit_6ft wide PS_4ft LT 2083mm	2	2	2	2
AB0600	Framing Ridge Plate 6ft Long_1890mm	1	-	-	-
AB0601	Framing Ridge Plate 8ft Long_2520mm	-	1	-	-
AB0602	Framing Ridge Plate 10ft Long_3150mm	-	-	1	-
AB0603	Framing Ridge Plate 12ft Long_3780mm	-	-	-	1
AB0610	Framing Roof Purlin 6ft Long 1890mm	2	-	-	-
AB0611	Framing Roof Purlin 8ft Long 2520mm	-	2	-	-
AB0612	Framing Roof Purlin 10ft Long 3150mm	-	-	2	-
AB0613	Framing Roof Purlin 12ft Long 3780mm	-	-	-	2
AB0615	Framing Roof Rafter 6ft wide PS_4ft LT 2082mm	2	3	4	5
AB0622	Roof Rear Fascia Plate_6ft long 1976mm	1	-	-	-
AB0623	Roof Rear Fascia Plate_8ft long 2606mm	-	1	-	-
AB0624	Roof Rear Fascia Plate_10ft long 3236mm	-	-	1	-
AB0625	Roof Rear Fascia Plate_12ft long 3866mm	-	-	-	1
AB0646	Window Rebate Strip 870mm	2	4	4	4
AB0647	Window Weather Strip_Single 958mm	1	2	2	2
AB0672	Ridge Sub Fascia_6ft Long 1976mm	1	-	-	-
AB0673	Ridge Sub Fascia_8ft Long 2606mm	-	1	-	-
AB0674	Ridge Sub Fascia_10ft Long 3236mm	-	-	1	-
AB0675	Ridge Sub Fascia_12ft Long 3866mm	-	-	-	1
EVFUSSMA01	Evo Fusion Smalls Pack 01	1	1	1	1
EVFUSSMA02	Evo Fusion Smalls Pack 02	1	-	-	-
EVFUSSMA03	Evo Fusion Smalls Pack 03	-	1	1	1



**Alton Greenhouses**, TGP Ltd, Blythe Park, Cresswell, Stoke-on-Trent, ST11 9RD

Telephone: 01782 385 409   [www.Altongreenhouses.co.uk](http://www.Altongreenhouses.co.uk)   [sales@altongreenhouses.co.uk](mailto:sales@altongreenhouses.co.uk)