General Instructions

01SHPWOR2010DDOW-V2

20X10 Workshop

BEFORE YOU START PLEASE READ INSTRUCTIONS CAREFULLY

- Check the pack and make sure you have all the parts listed.
- When you are ready to start, make sure you have the right tools at hand (not supplied) including a Phillips screwdriver, Stanley knife, wood saw, step ladder and drill with 2mm bit.
- Ensure there is plenty of space and a clean dry area for assembly.

TIMBER

As with all natural materials, timber can be affected during various weather conditions. For the duration of heavy or extended periods of rain, swelling of the wood panels may occur. Warping of the wood may also occur during excessive dry spells due to an interior moisture loss. Unfortunately, these processes cannot be avoided but can be helped. It is suggested that the outdoor building is sprayed with water during extended periods of warm sunshine and sheltered as much as possible during rain or snow.

Our buildings are pre treated with a water based treatment**; this only helps to protect the product during transit and for upto 3 months against mould. To validate your guarantee and ensure longevity of the product, it is ESSENTIAL the building is treated with a wood preserver within the first three months of assembly and thereafter in accordance with the manufactures recommendations. Care must be taken to ensure the product is placed on a suitable base.

BUILDING A BASE

When thinking about where the building and base is going to be constructed: Ensure that there will be access to all sides for maintenance work and annual treatment.

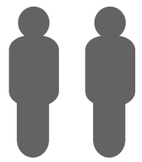
Ensure the base is level and is built on firm ground, to prevent distortion. Refer to diagrams for the base dimensions, The base should be slightly smaller than the external measurement of the building, i.e. The cladding should overlap the base, creating a run off for water. It is also recommended that the floor be at least 25mm above the surrounding ground level to avoid flooding.

TYPES OF BASE

- Concrete 75mm laid on top of 75mm hard-core.
- Slabs laid on 50mm of sharp sand.

Whilst all products manufactured are made to the highest standards of Safety and in the case of childrens products independently tested to EN71 level, we cannot accept responsibility for your safety whilst erecting or using this product.

Refer to the instructions pages for you specific product code



All building's should be erected by two adults



Winter = High Moisture = Expansion
Summer = Low Moisture = Contraction



2mm Drill bit

For ease of assembly, you **MUST** pilot drill all screw holes and ensure all screw heads are countersunk.



CAUTION
Every effort has been made during the manufacturing process to eliminate the prospect of splinters on rough surfaces of the timber. You are strongly advised to wear gloves when working with or handling rough sawn timber.



For ease of assembly, you will need a tape measure to check dimensions of components.

****Protim Aquatan T5 (621)****

Your building has been treated with **Aquatan**.

Aquatan is a water-based concentrate which is diluted with water, the building as been treated by the correct application of Aquatan solution and then allowed to dry.

Aquatan is a decorative finish to colour the wood, which is applied industrially to timber fence panels and garden buildings.

Aquatan *undiluted* contains: boric acid, sodium hydroxide 32% solution, aqueos mixture of sodium dioctyl sulphosuccinat and alcohols: 2, 4, 6-trichlorophenol.

For assistance please contact customer care on: 01636 880514

Mercia Garden Products Limited,
Sutton On Trent,
Newark,
Nottinghamshire,
NG23 6QN

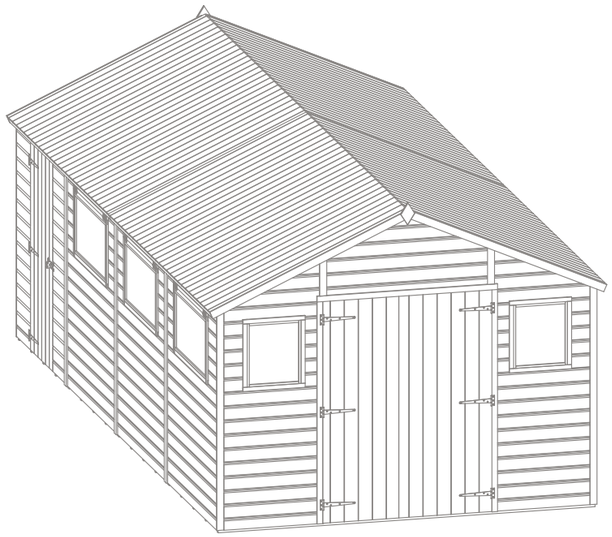
www.merciagardenproducts.co.uk

Overall Dimensions:
Length = 6088mm
Width = 3179mm
Height = 2485mm

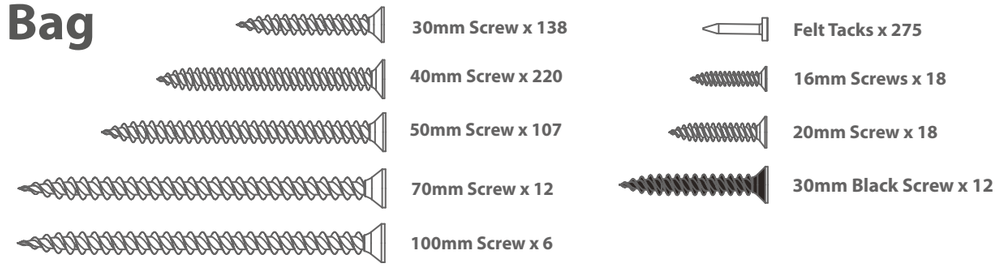
Base Dimensions:
Length = 6008mm
Width = 3010mm

Before assembly please make sure you have a suitable base ready to erect your building

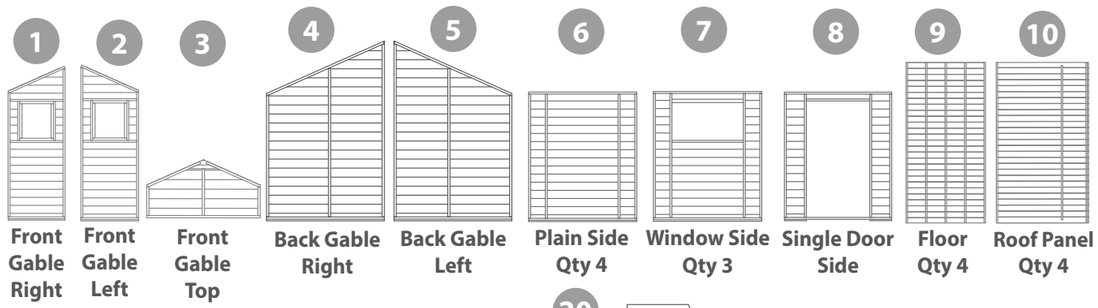
MADE IN GREAT BRITAIN

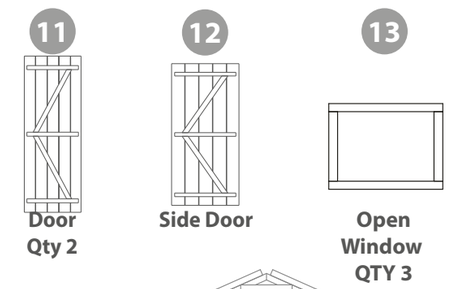


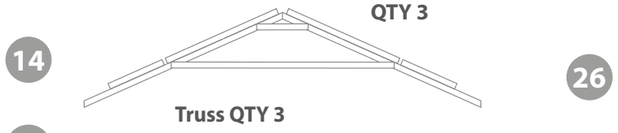
Nail Bag

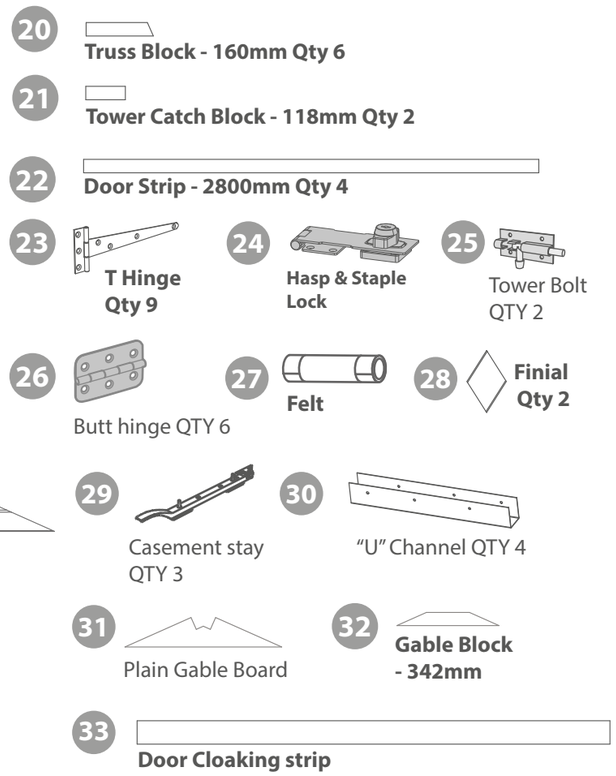


Building content



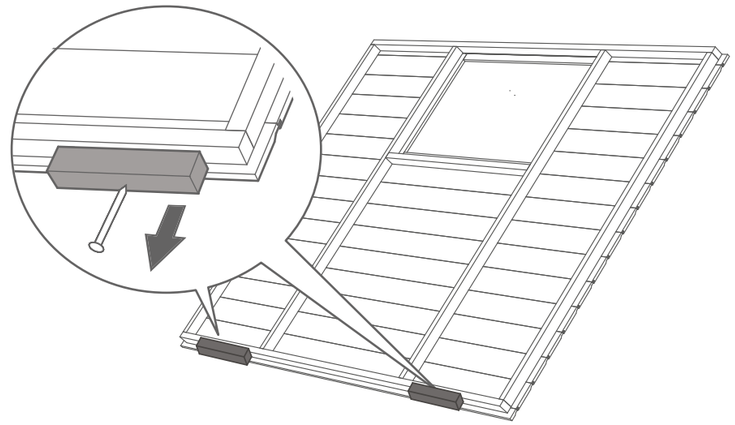






Pre Assembly

Remove transportation blocks from the bottom of each panel before beginning assembly. Each Panel should have two blocks.

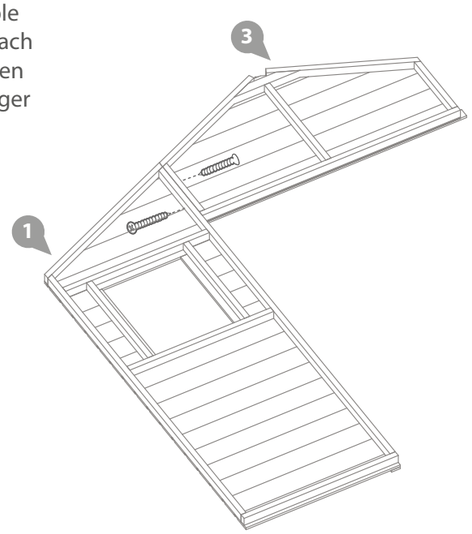


Step 1 Door Gable Assembly

Lay the Front Gable Right and Front Gable top on a level floor place them next to each other, ensure they are level at the top then fix together using 2x50mm screws. Stagger the screws so they do not collide.

2 x 50mm screws

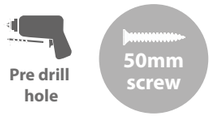


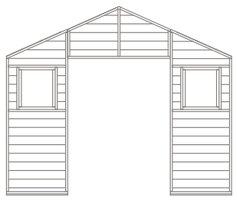


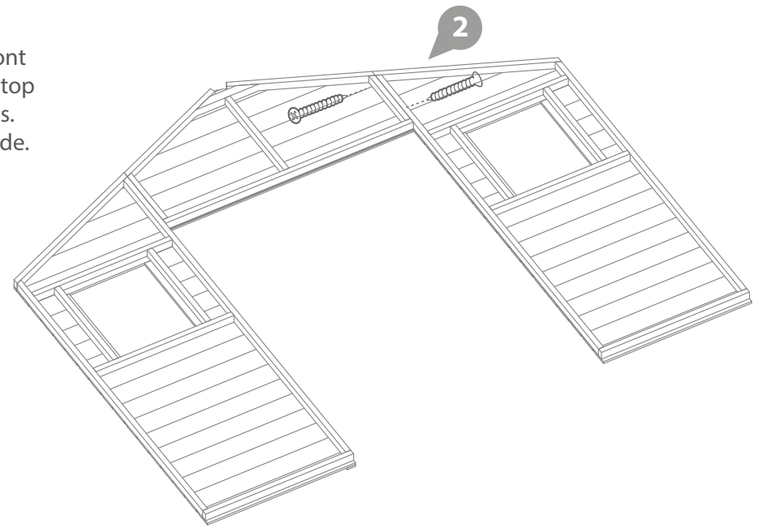
Step 2

Lay the Front Gable Left next to the Front Top Gable, ensure they are level at the top then fix together using 2x50mm screws. Stagger the screws so they do not collide.

2 x 50mm screws

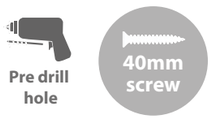


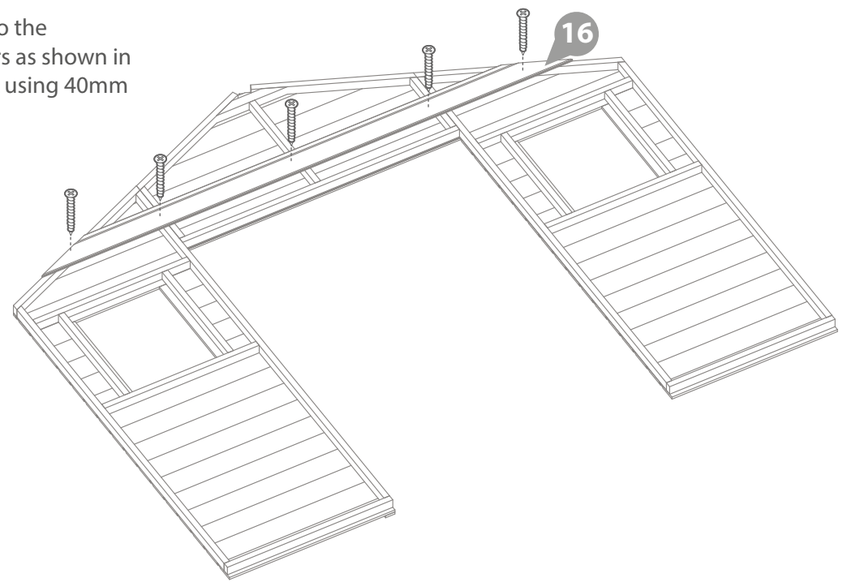




Line the Door Gable Strip up to the assembled gable at the corners as shown in the illustration and fix in place using 40mm screws.

5x40mm Screws

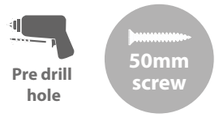


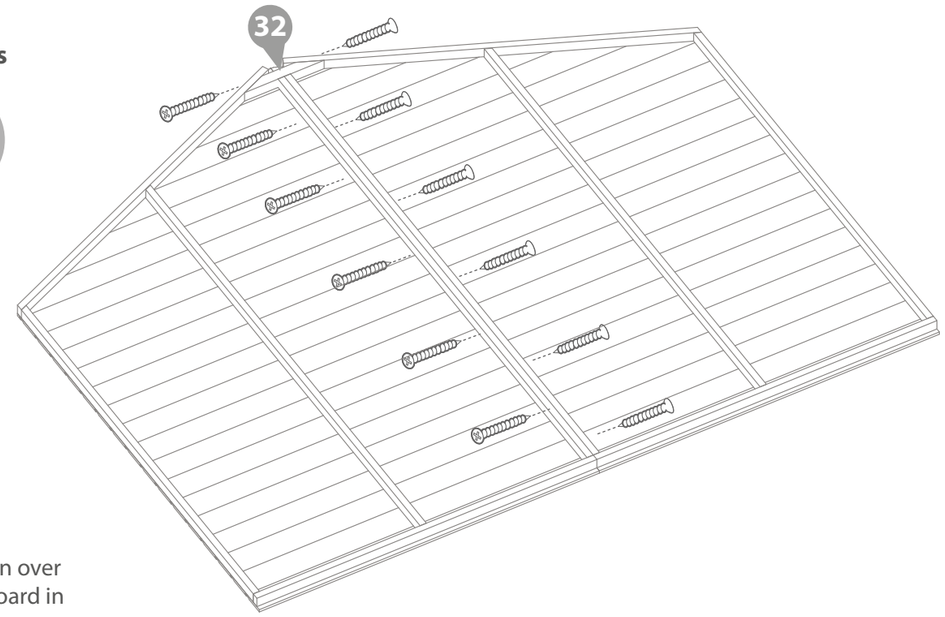


Step 3 Plain Gable Assembly

Lay the Back Left Gable and Back Right Gable on a level floor place them next to each other, ensure they are level at the top and bottom then fix together using 10x50mm screws. Stagger the screws so they do not collide.

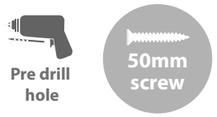
12 x 50mm screws

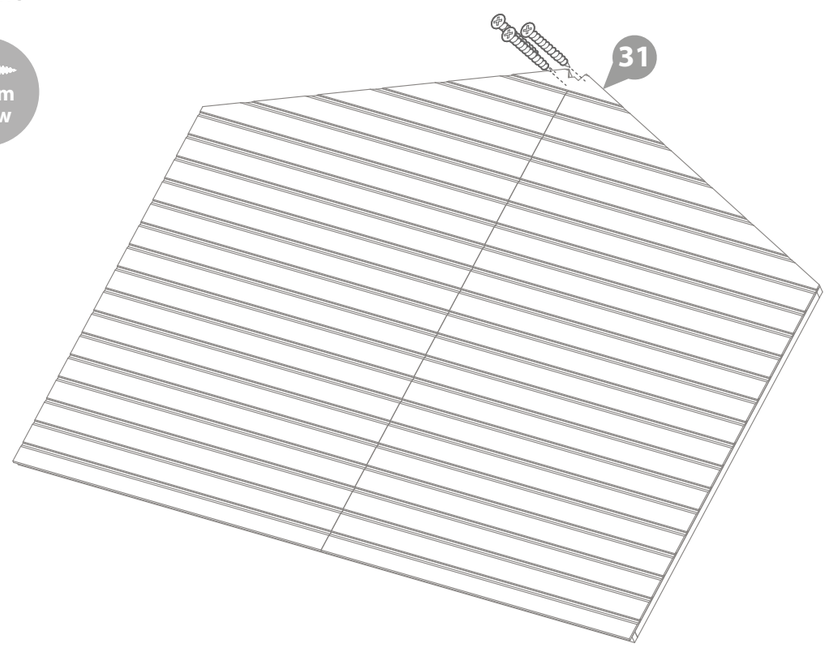




Turn the gable section over and secure the top board in place using 3x30mm screws. Ensure to screw into the framing, pre-drilling to avoind splitting the board.

3 x 30mm screws





Step 4

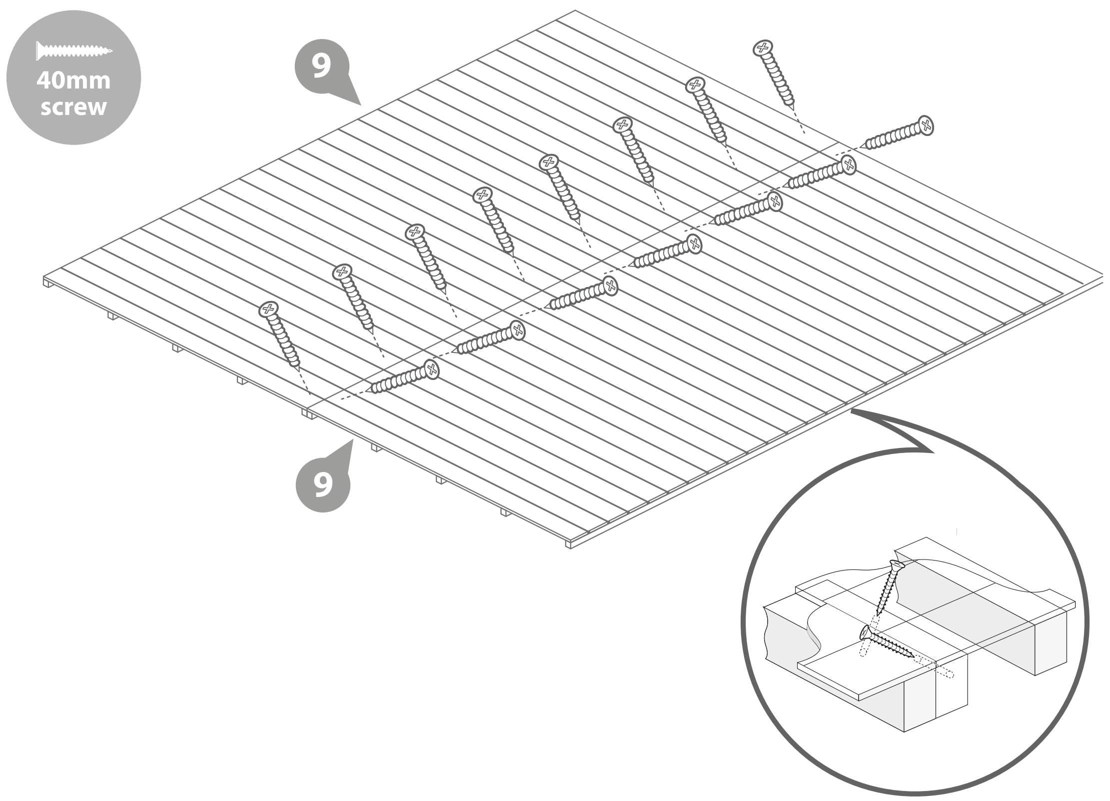
Place floor on firm and level base, ensure base has suitable drainage free from areas where water can collect. (See front page on base requirements).

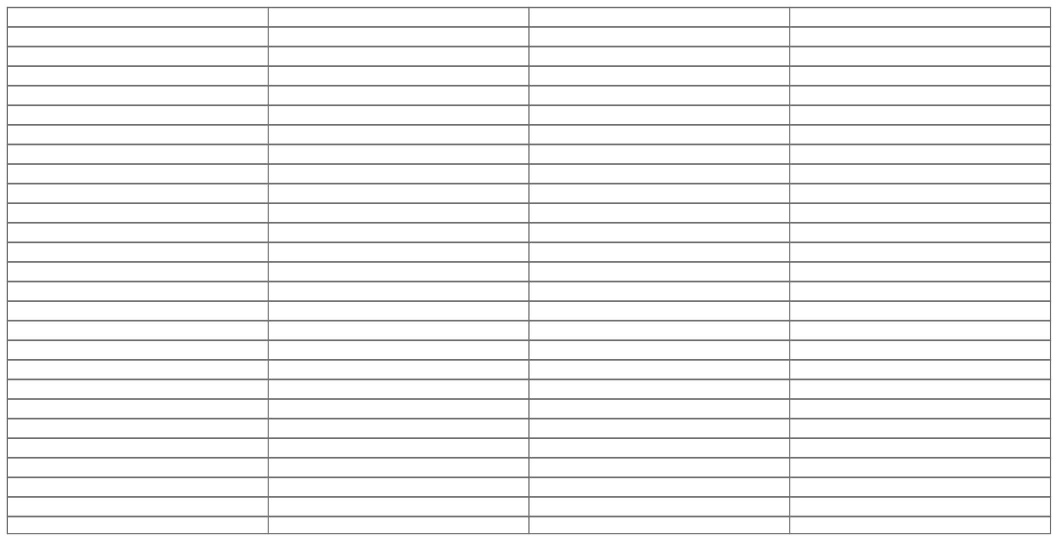
Attach the floors using 96 x 40mm screws

96 x 40mm screws

Pre drill hole

40mm screw





Step 5

a Fix the corners with 50mm screws as shown in diagram.

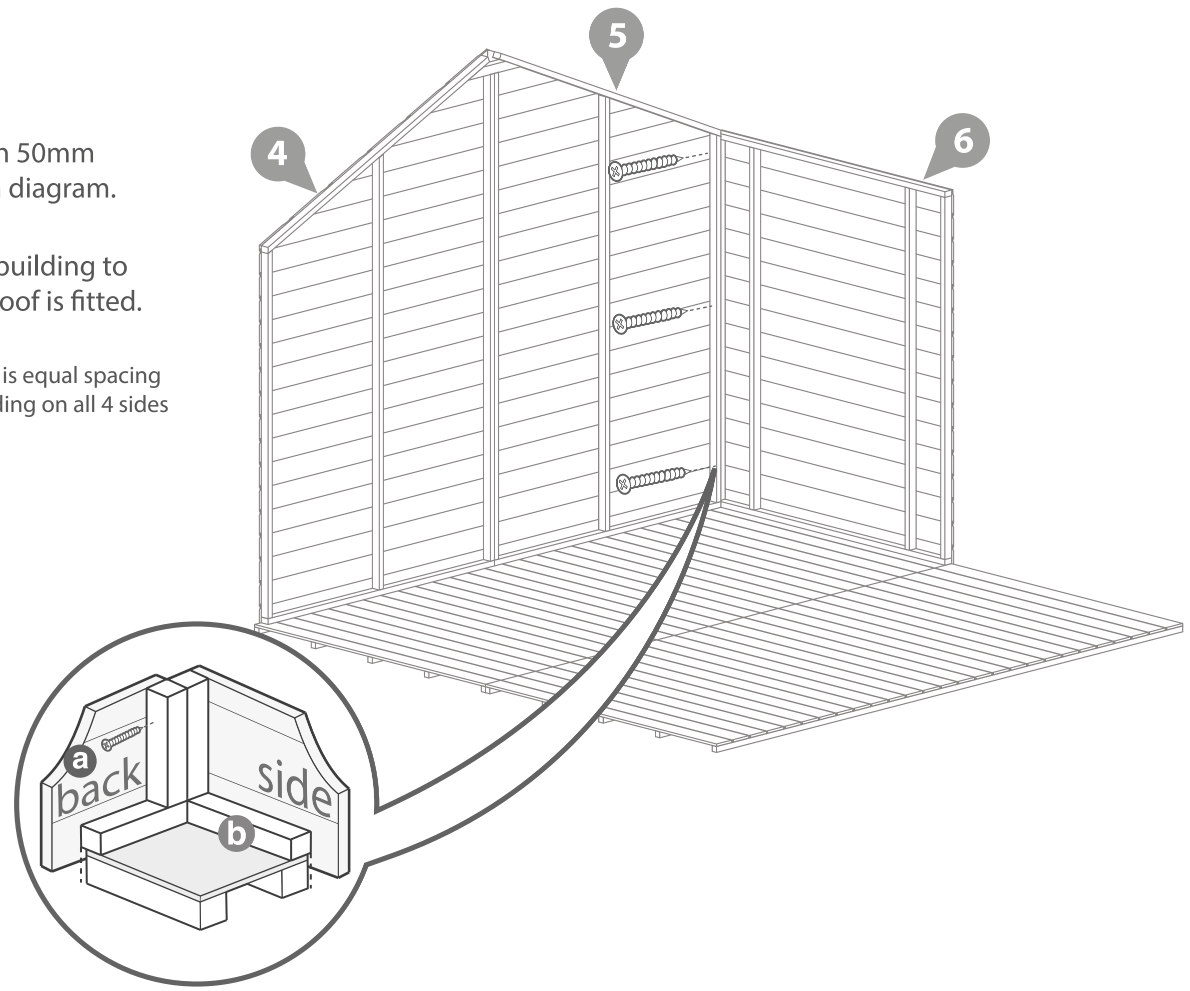
b Do not secure the building to the floor until the roof is fitted.

Position the panels so there is equal spacing between the floor and cladding on all 4 sides

3x50mm Screws

Pre drill hole

50mm screw



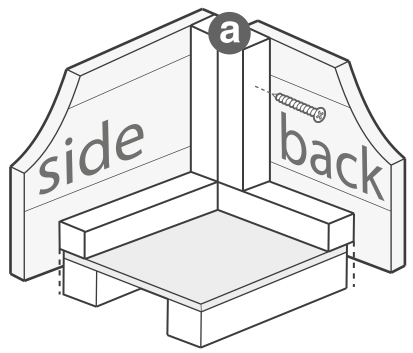
Step 6

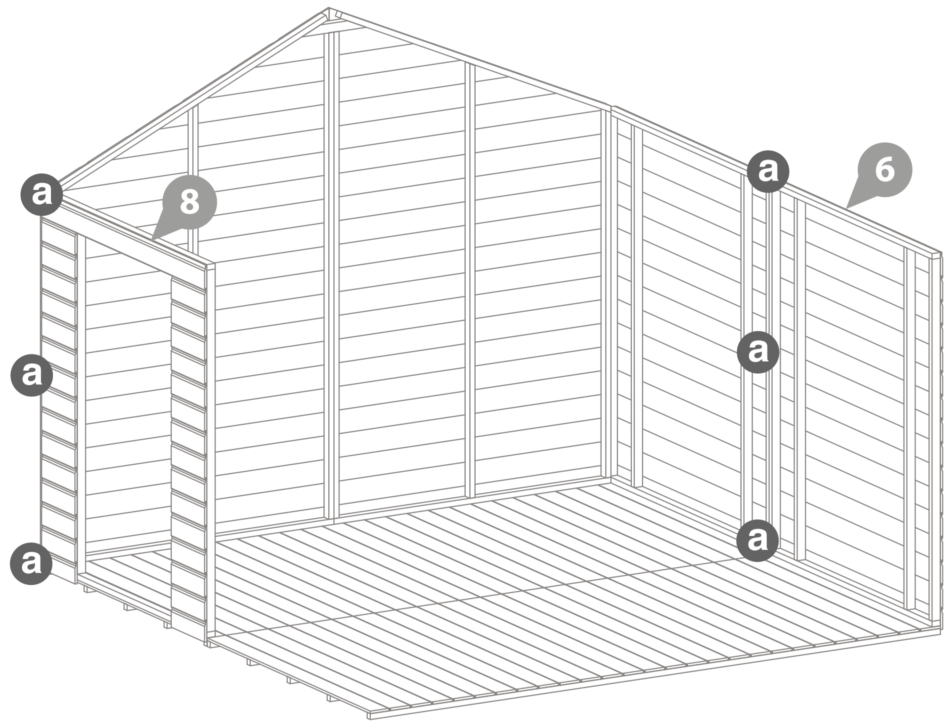
Fix the next plain side and the ingle door side side at the corner with 50mm screws as shown in diagram.

6x50mm Screws

Pre drill hole

50mm screw



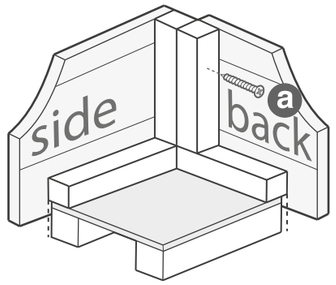


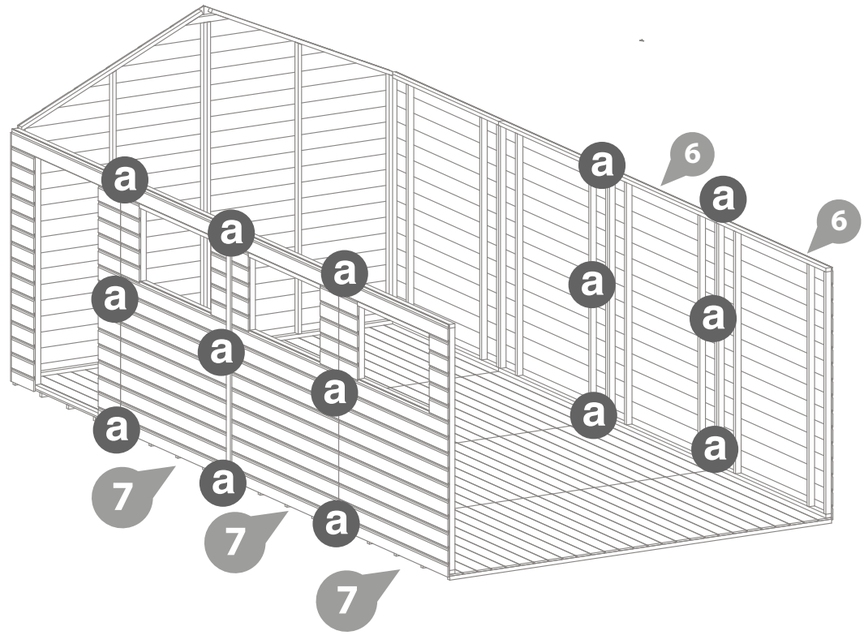
Step 7

Fix the remaining window sides and plain sides with 50mm screws as shown in diagram.

15x50mm Screws





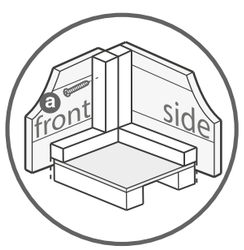


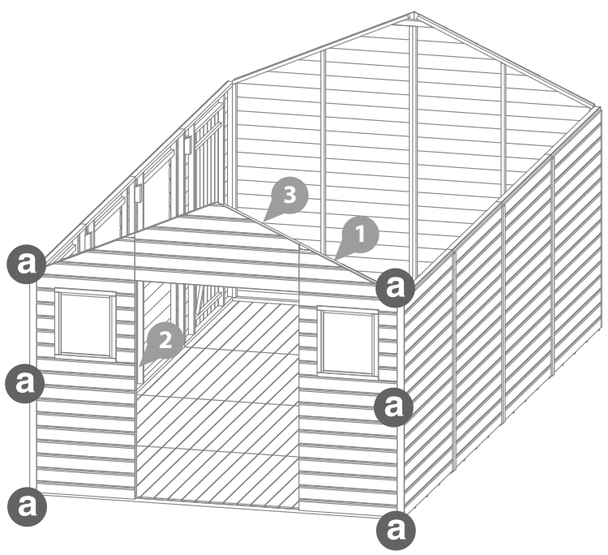
Step 8

Fix the Door Gable (refer to steps 1 and 2 if you have not already assembled this) at the corners with 50mm screws as shown in diagram.

6x50mm Screws



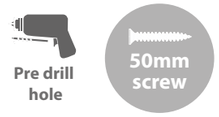




Step 9

Fit the Door Gable Rail between the Front Gable Left and Right. Fix to the floor using 3x50mm screws. Ensure screws line up with the framing.

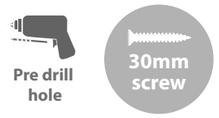
3x50mm screws



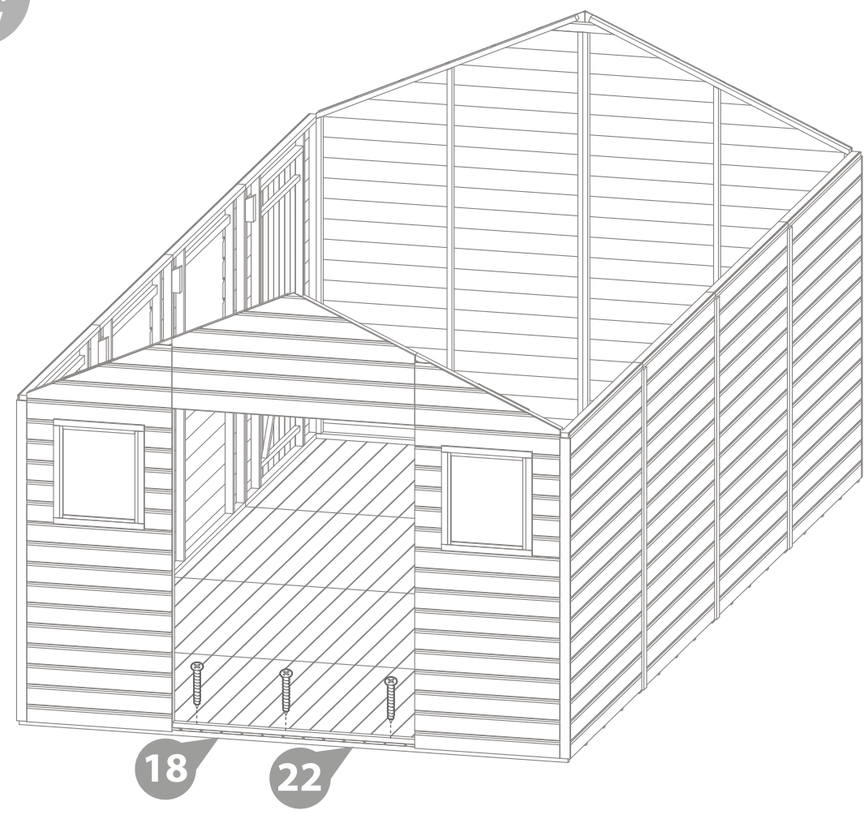
Measure the length of the door gable rail and cut down a strip to match.

Fix in place using 2x30mm screws.

2x30mm screws



*Cut down trims to fit



Step 10

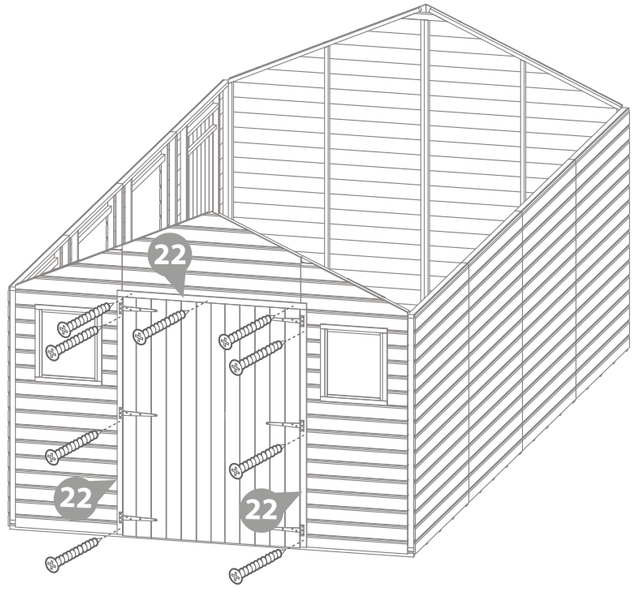
Using x3 strips (**No. 22**) cut two trims at **1783mm** and one at **1445mm**.

Place the smaller strip (**1445mm**) centrally above the door aperture (allowing a space of 10mm between the strip and the top of the door opening) and fix into postion using 3x30mm screws.

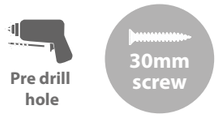
Allign the larger strips (**1782mm**) either side of the first strip and fix each one into position using 3x30mm screws. This will allow a space of approximately 10mm betweeen the trims and the opening.

***Please note: This 10mm gap allows the doors to site onto the gable NOT into the aperture.**

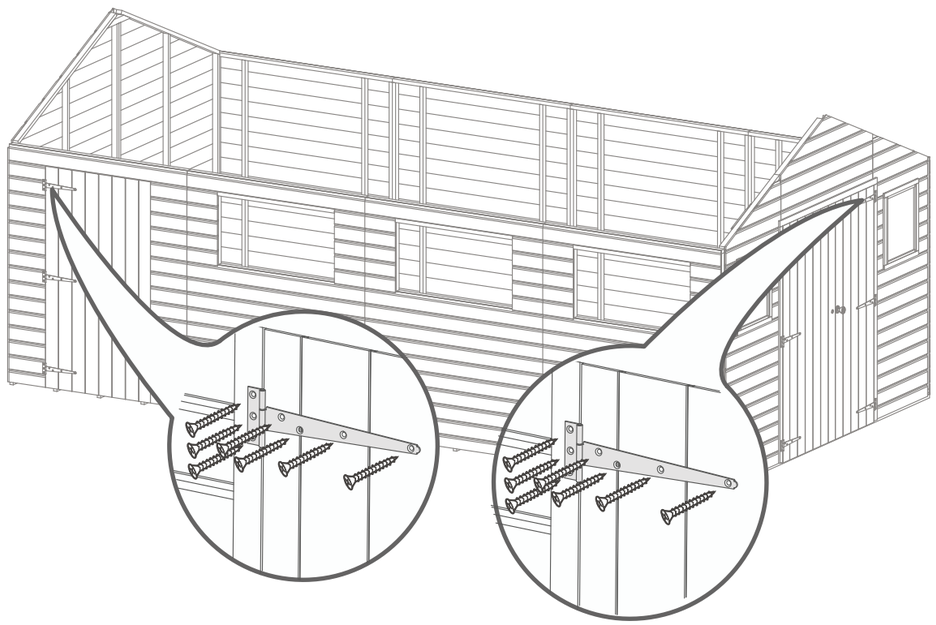
Fix the T Hinges onto the front of the doors; aligning each hinge to the framing on the back of each door. Secure the doors onto the assembled gable as shown in the illustration. Ensuring that the screws go through the cladding and into the framing behind.



72x30mm screws.







Step 11

Place a Truss central to where two panels join. Align the top of the truss with the top of the sides as shown in the diagram.

TIP - Use a piece from the fixing kit as a guide.

Pencil mark the truss position and remove truss.

Place the truss blocks up to the pencil mark and fix using 2x70mm screws per block.

Place the truss back into position on top of the support block and secure using 100mm screw each side from the top down through the truss and into the block.

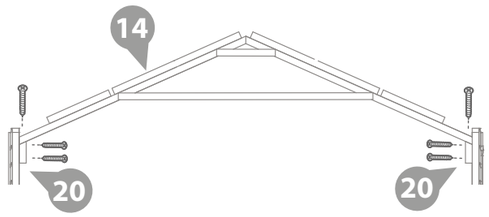


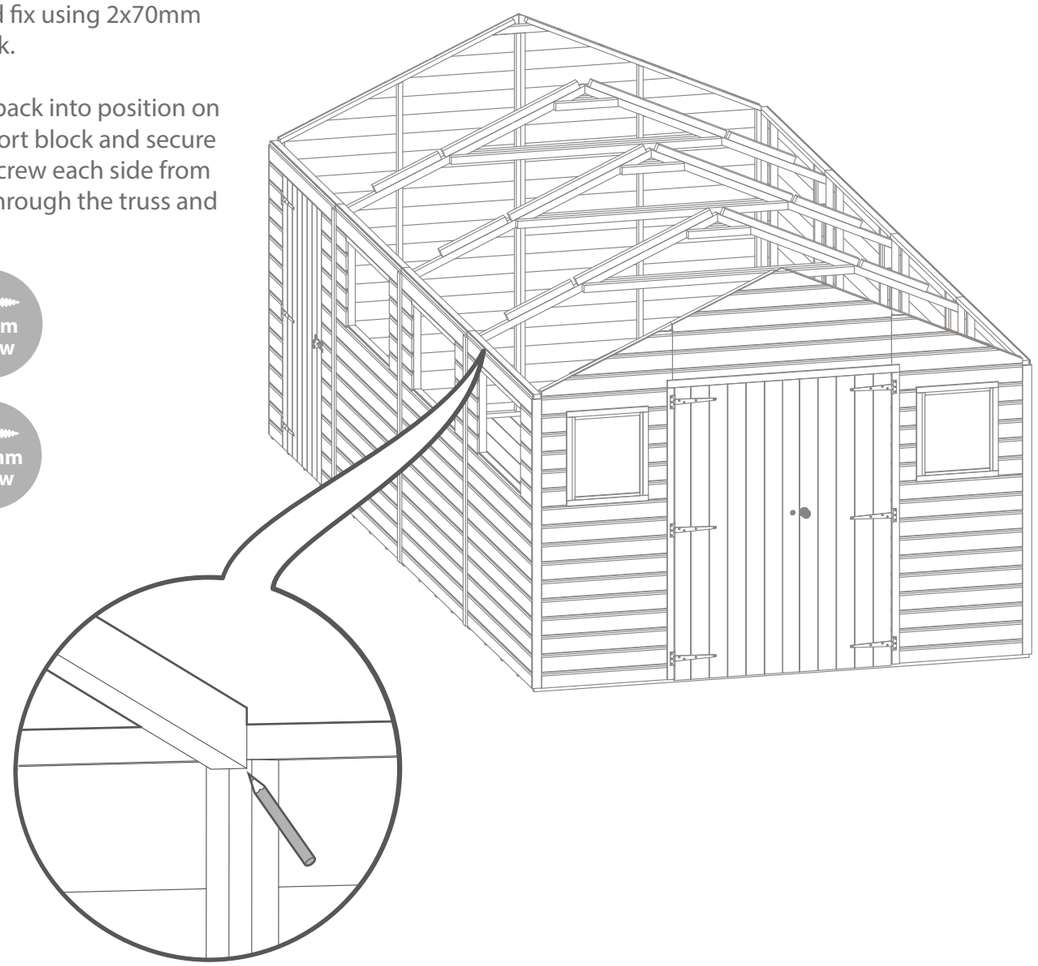






12x70mm Screws
6x100mm Screws

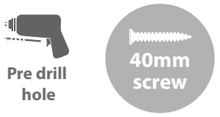




Step 12

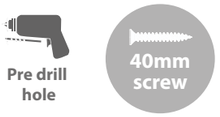
Secure the roof panels together using the metal "U" channels and 6x40mm screws per "U" channel.

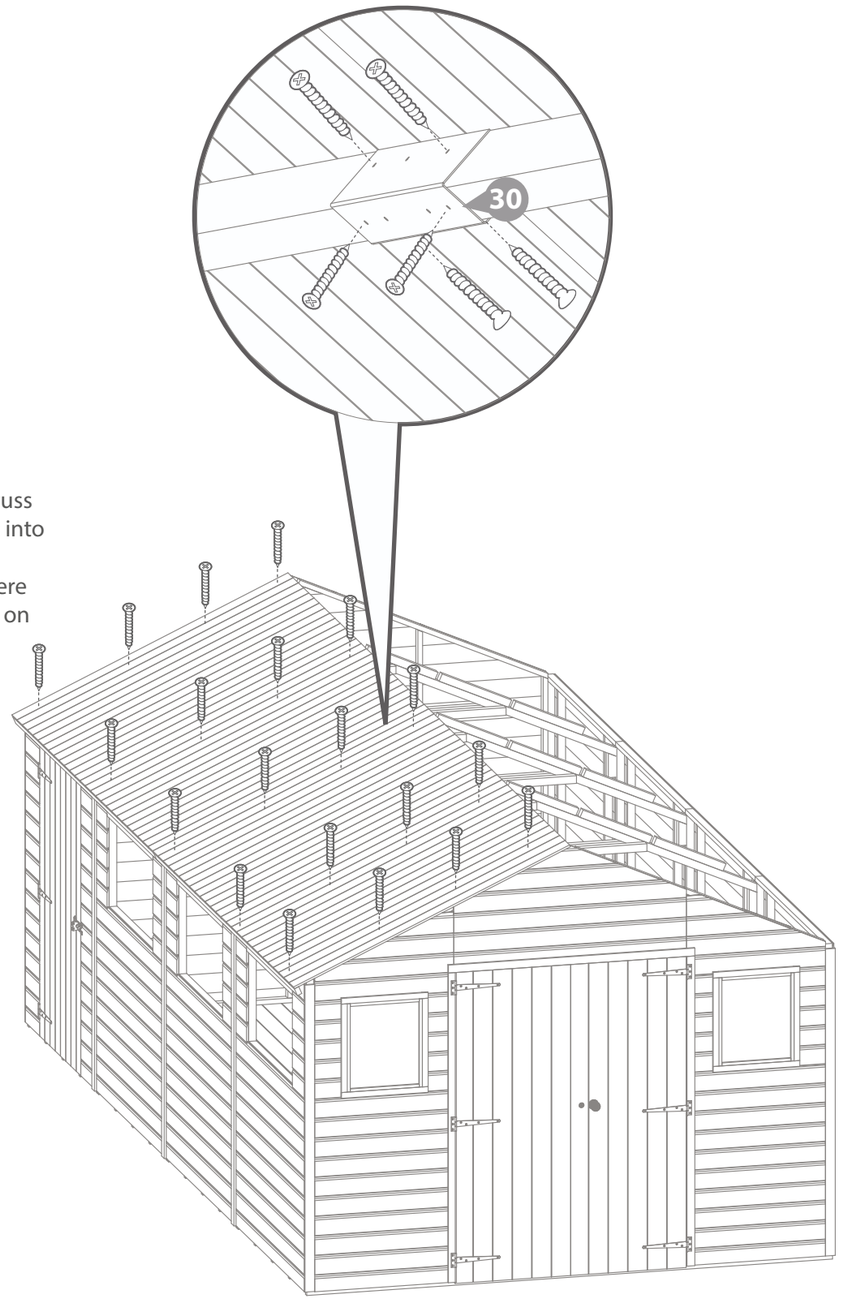
24x40mm Screws



Place the fist two roof sheets ontop of the plain gable and truss making sure the roof sheet sits into the gables and truss securing using 40mm screws. Ensure there is an eqal amount of overhang on either side of the building.

20x40mm Screws





Step 13

Place the remaining roof panels ontop of the truss and ensure that it butts up to the one already fixed. Fix in place with 40mm screws ensuring they go through to the framing.

20x40mm Screws





Step 14

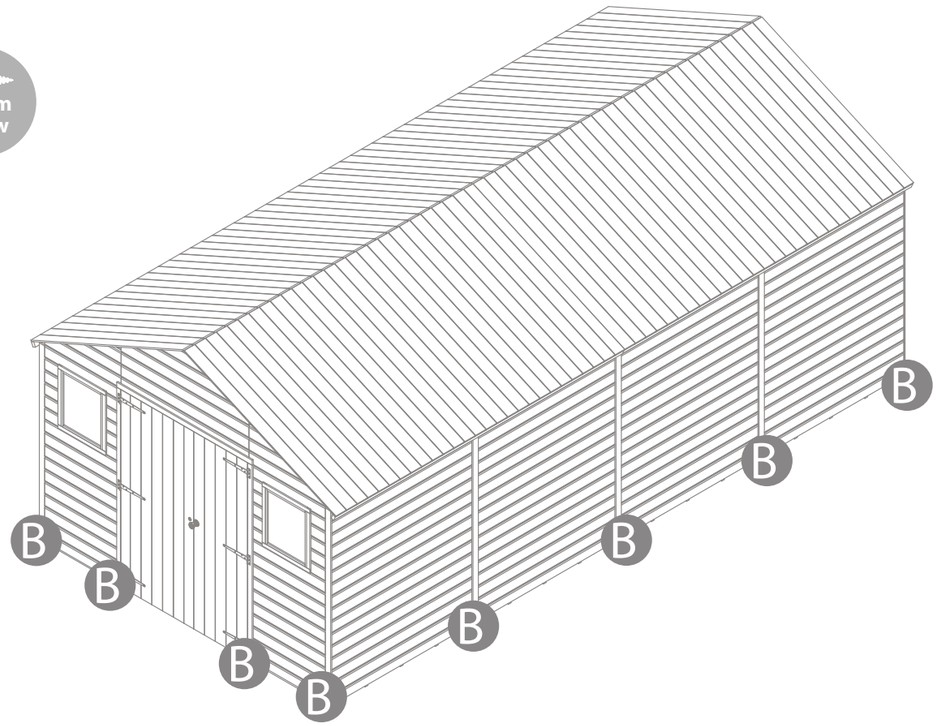
Once the roof is fixed attatch the building to the floor with 50 mm screws.

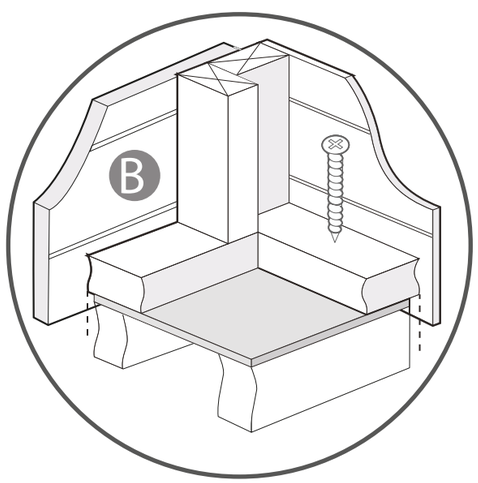
48 x 50mm Screws



Pre drill hole







Step 15

Cut four strips of felt and place onto the roof. See below for sizes.

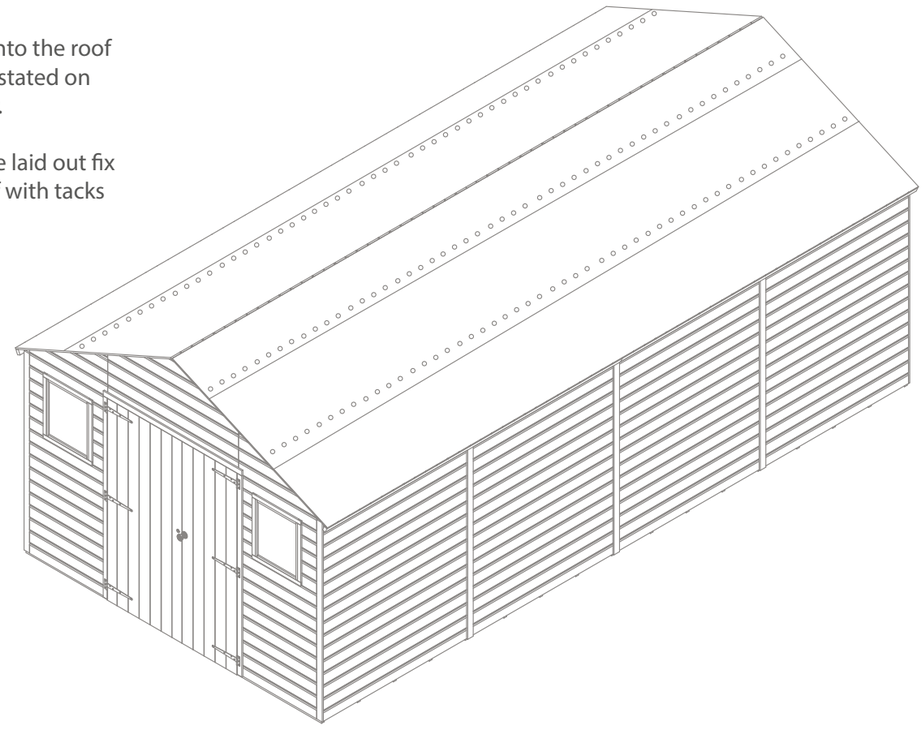
Place the felt flat onto the roof in the order that is stated on the diagram below.

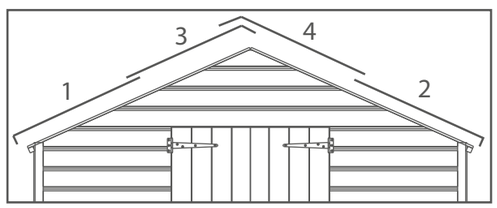
Once the sheets are laid out fix them onto the roof with tacks 100mm apart.

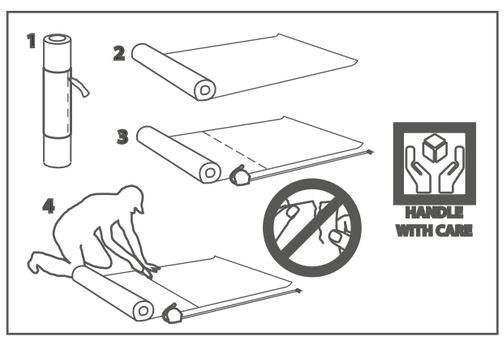
Felt Strip Sizes
6190mm

245 x felt tacks









Step 16

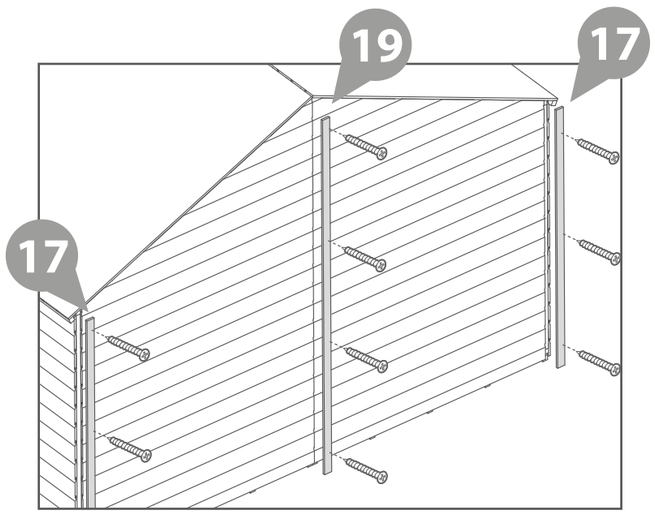
Fit the cover trims to the building and secure in place with 40mm screws as shown.
Fit the Plain Gable Strip where the two back gables join using 4x40mm screws. Pre drill to avoid splitting.

34x40mm Screws



Pre drill hole





Step 17

Attatch faisca's to the roof leaving a slight overhang at the top.

Fit the fascias to the roof over the felt and secure in place with 40mm screws as shown.

Pre drill to avoid splitting.

Measure and trim down to size.

16x40mm screws

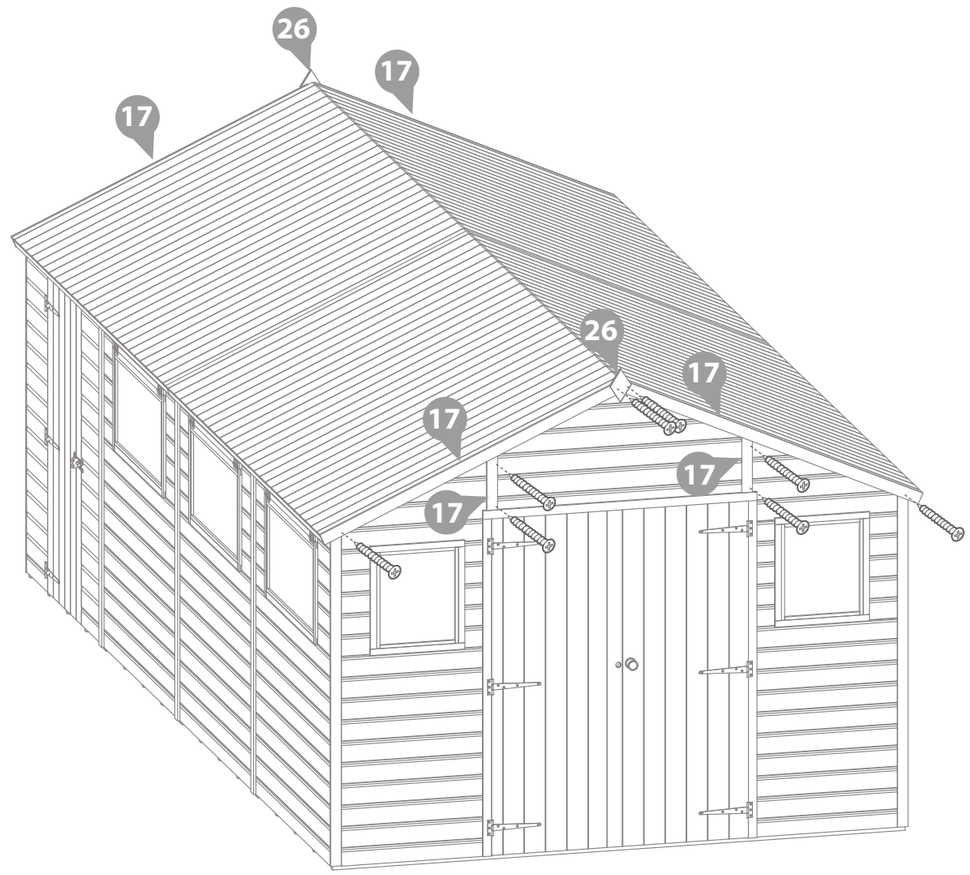


Pre drill hole





***Cut down trims to fit**



Step 18

Place the Cloaking Strip to the rear of one of the doors. Fixing in position screwing through the door into the cloaking strip with 3x30mm screws.

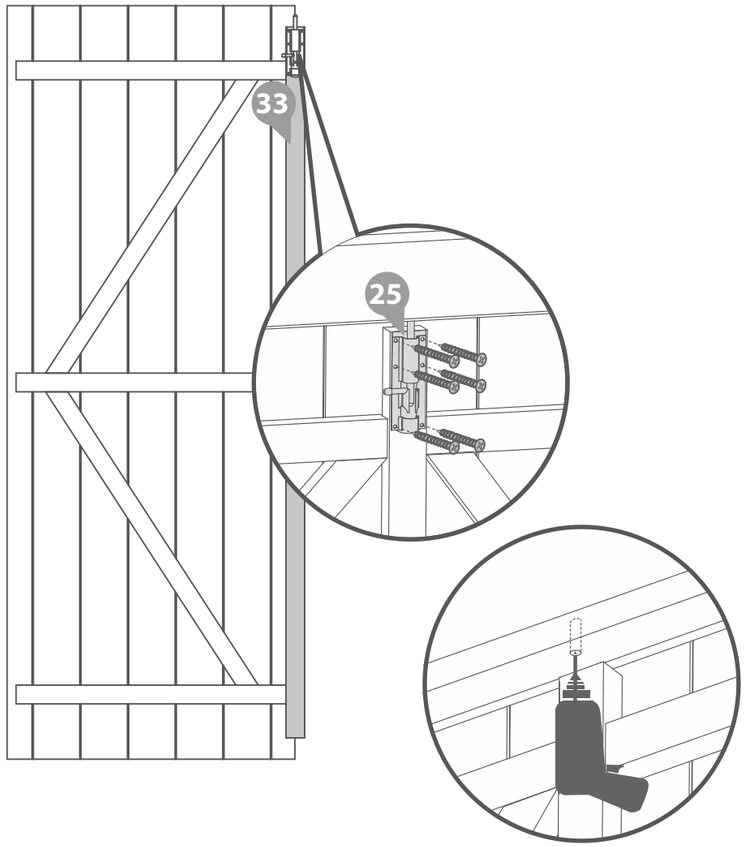
Align the tower bolts onto the vertical framing of the slave door, secure the bolts to the top and bottom using 6x30mm black screws per tower bolt.

Mark the position of the bolt & drill a hole above and below for the bolt to catch in to.

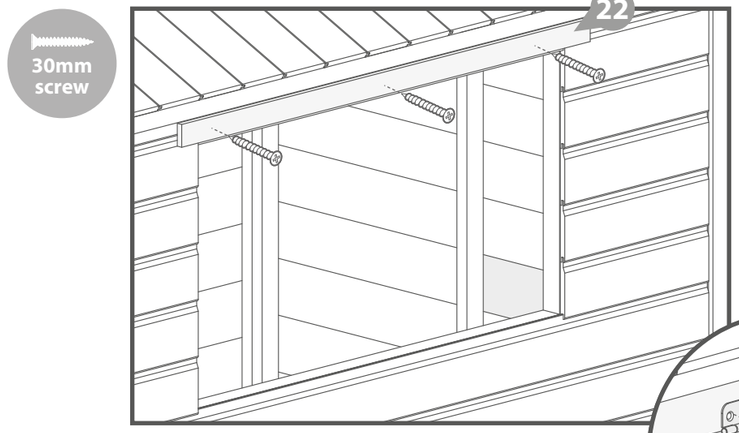
15x30mm Black Screws







Step 19

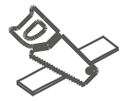


*SCREW COUNT PER WINDOW

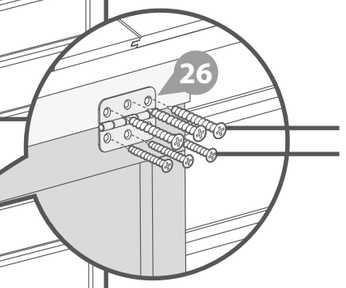
Place the cover strip 11mm above the window gap in the window panel and fix with 3x30mm screws per strip.

Measure and trim before fitting.

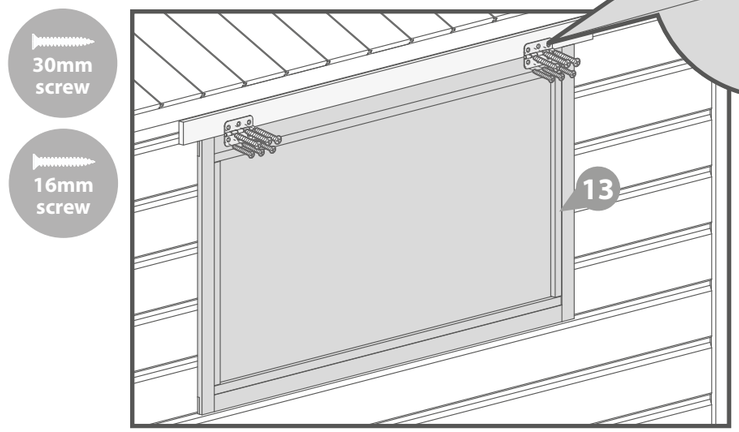
3x30mm Screws



***Cut down trims to fit**



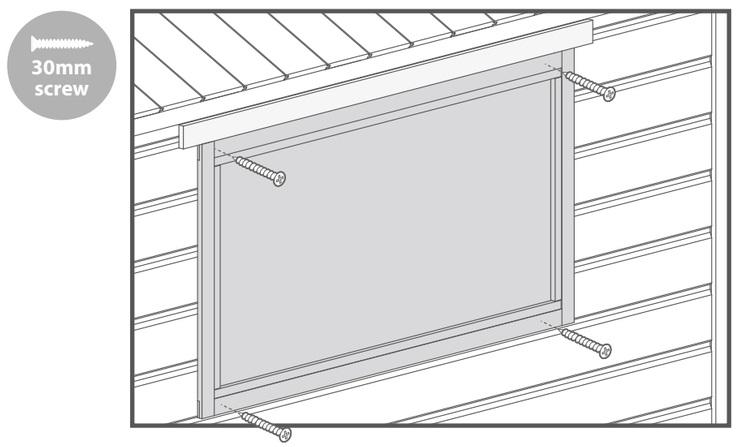
Opening Window



If you would like the windows to be opening use the butt hinges to attach the opening window strip and the opening window together. Use 30mm screws to fix the butt hinge to the Window Strip and 16mm screws to fix it to the Opening Window.

6x30mm Screws
6x16mm Screws

Fixed Window



If you want to fix the opening windows, instead of fixing butt hinges to the opening window, use 4x30mm screws to attach the opening windows to the window panel as shown in the diagram.

4x30mm Screws

Step 20

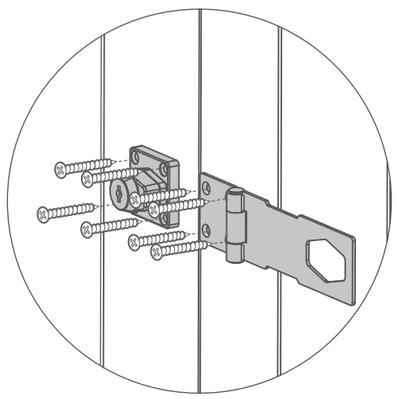
To fix the lock in place. Screw the Staple to the Door Gable or Slave door.

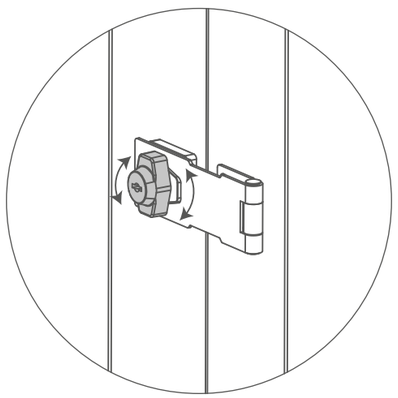
Making sure the Hasp is in line with the staple and screw into the Door or Master door.

To lock the Door, place the Hasp over the Staple and twist into the lock position as shown.

8x30mm screws.

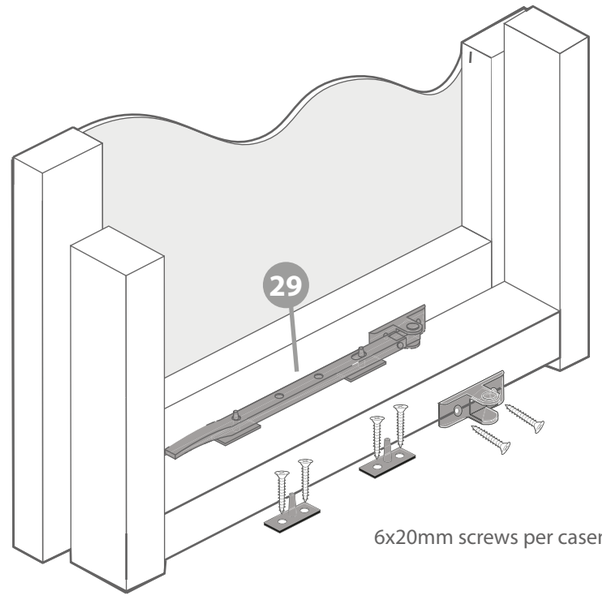






Step 21

Fix the casement stay to the opening window then align the fixings onto the window panel frame. Ensure the casement stay fits into fixings when closed before screwing them down using 18 x 20mm screws.

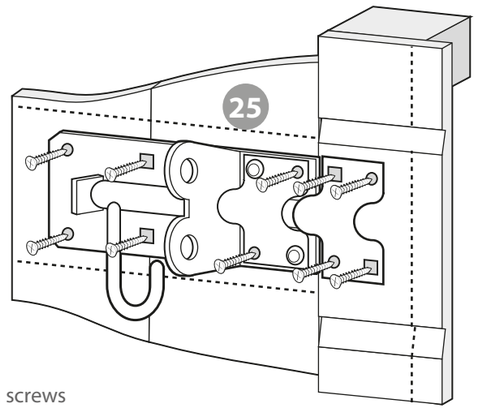


6x20mm screws per casement stay

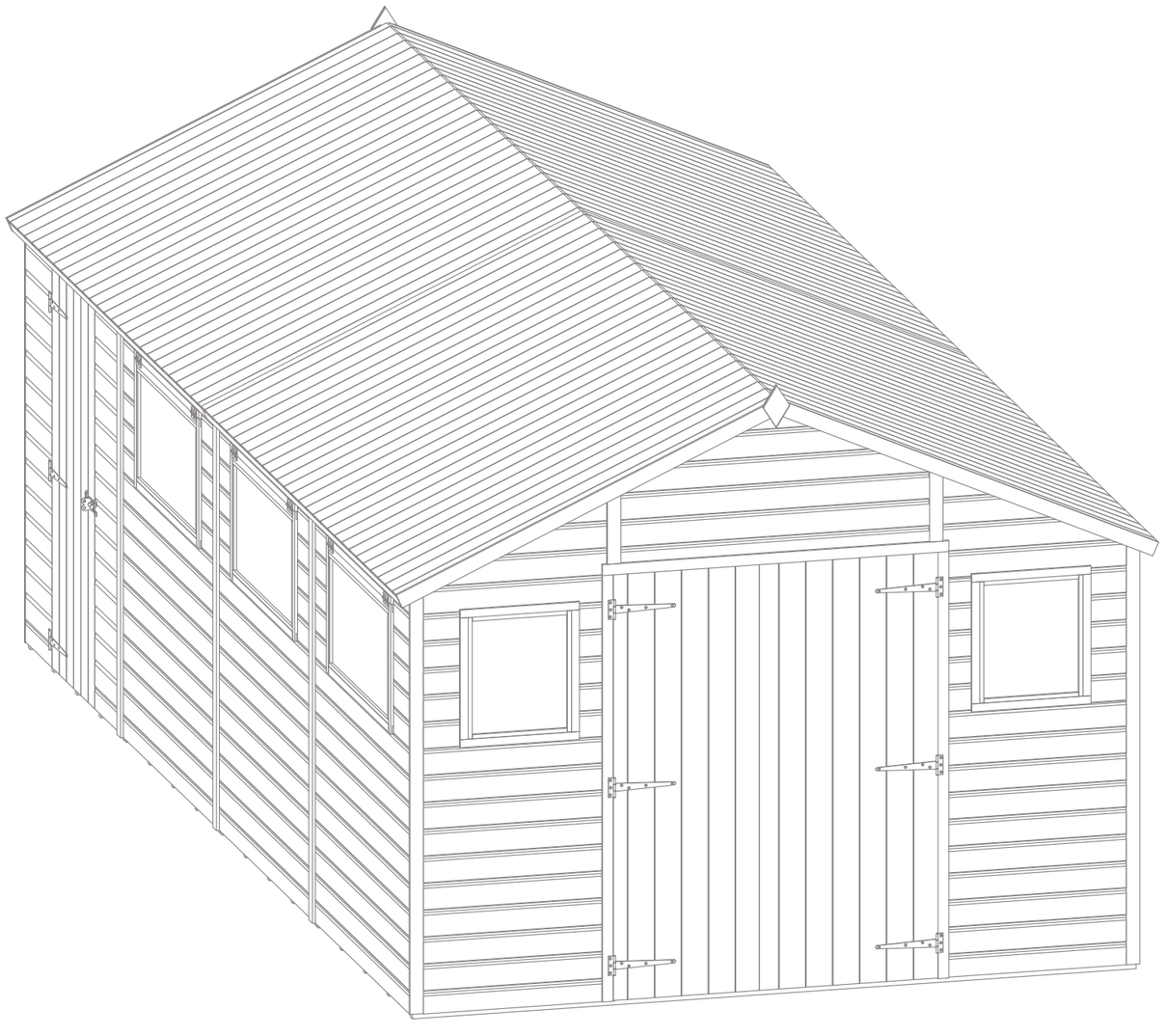
Step 22

Fix tower bolt to the side door with 6x30mm screws to side door along the horizontal door brace.

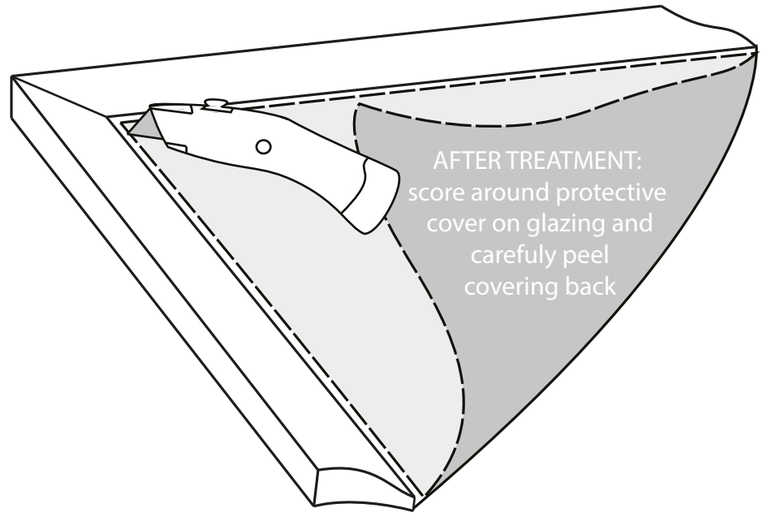
Then fix the tower bolt retainer to the vertical door panel framing using 4x30mm screws.



10x30mm screws




It is ESSENTIAL that you apply wood treatment immediately after the building has been assembled.


AFTER TREATMENT:
score around protective cover on glazing and carefuly peel covering back