General Instructions

01RAW1610DDOW-V1

16x10 Reverse Apex 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.

****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

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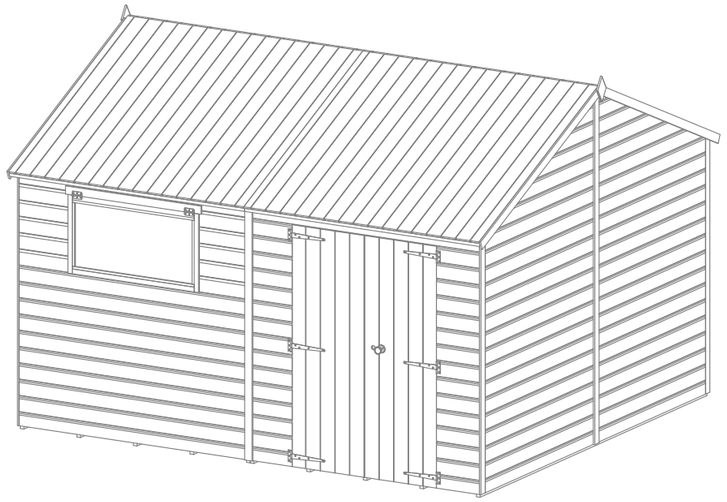
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Overall Dimensions:
Length = 4825mm
Width = 3184mm
Height = 2482mm

Base Dimensions:
Length = 4716mm
Width = 3010mm

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

MADE IN GREAT BRITAIN



1 2 3 4 5 6 7 8 9



Door Panel | Window Panel | Plain Panel | Plain Gable Right QTY 2 | Plain Gable Left QTY 2 | Floor QTY 3 | Roof QTY 4 | Master Door | Slave Door

10 Window



11 Truss

12 Gable Strip - 2387mm QTY 2

13 Cover Strip - 1757mm QTY 11

14 Door Strip - 1600mm QTY 2

15 Gable Block QTY 2

16 Truss Block QTY 2

17 Gable Board QTY 2

18 T-Hinge QTY 6

19 Rim Lock

20 Butt Hinge QTY 2

21 Finial QTY 2

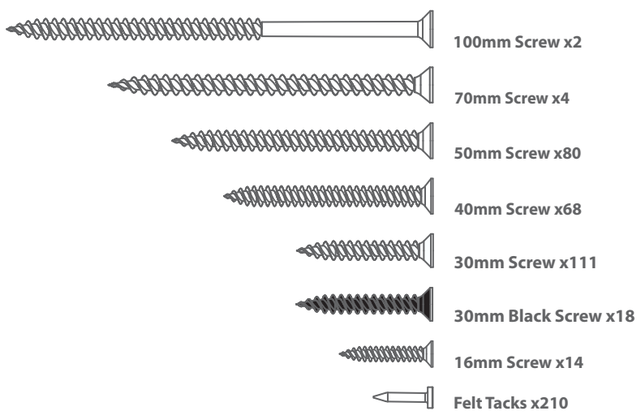
22 Casement Stay

23 Felt

24 Tower Bolt QTY 2

25 "U" Channel QTY 2

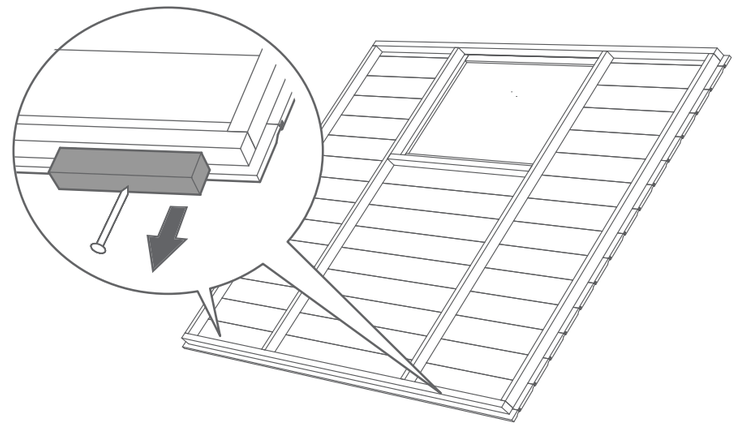
Nail Bag



100mm Screw x2
70mm Screw x4
50mm Screw x80
40mm Screw x68
30mm Screw x111
30mm Black Screw x18
16mm Screw x14
Felt Tacks x210

Pre Assembly

Remove the transportation blocks from the bottom of each panel before assembling the building.



Step 1

Place the left and right gable sections onto a firm and level surface next to each other, ensuring the panels are level top and bottom, then fix together using 12x50mm screws.

Stagger the screws so as not to collide.

Turn the assembled gable section over and secure the gable board in place with 3x30mm screws.

Make sure to screw through into the framing, pre-drilling to avoid splitting the board.

24x50mm Screws
6x30mm Screws



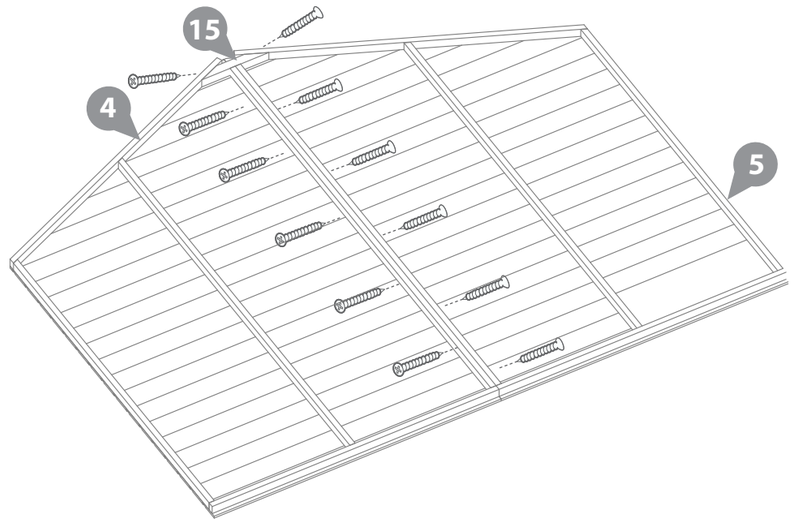
Pre drill hole



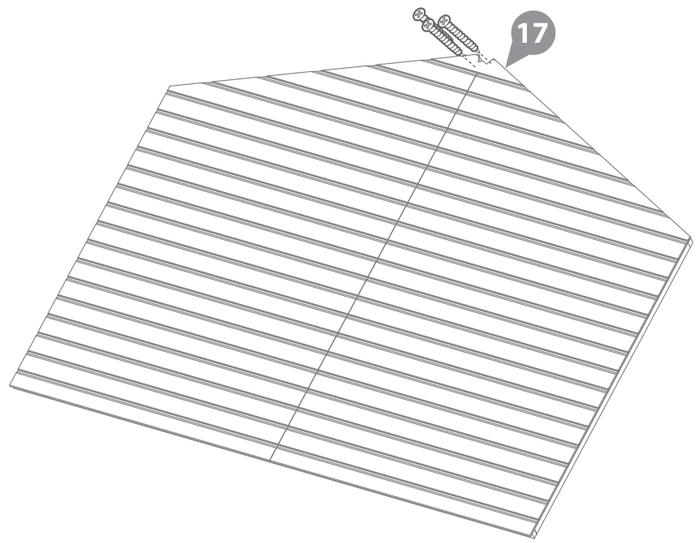
50mm screw



30mm screw



15
4
5



17

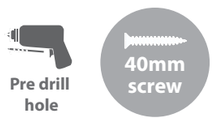
Step 2

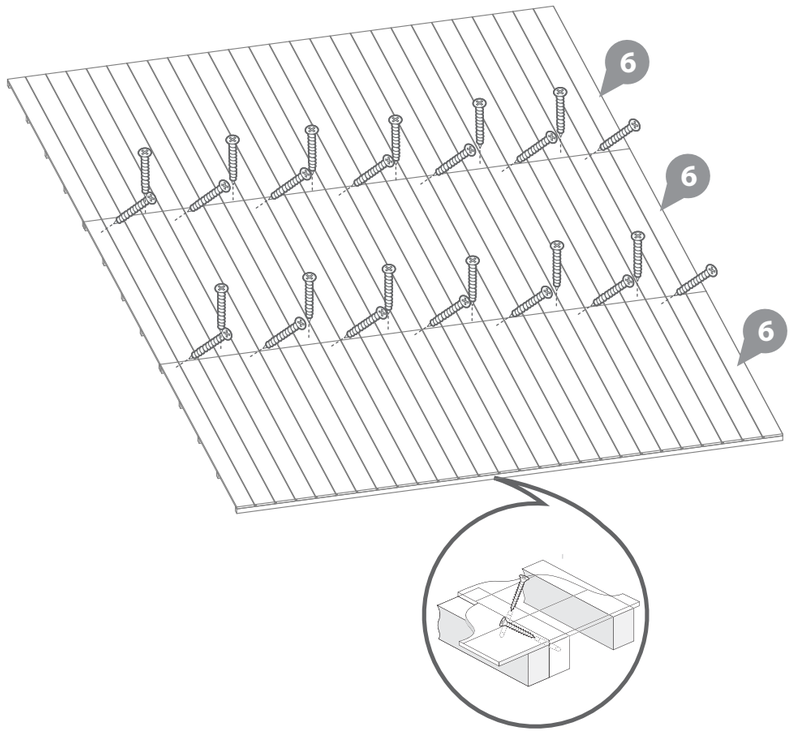
Place the floor onto a firm and level base, ensuring the base has suitable drainage and is free from areas where standing water can collect.

Secure the two floor sections together using 14x40mm screws.

Make sure to stagger the screws to avoid colliding.

28x40mm Screws





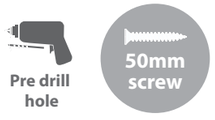
Step 3

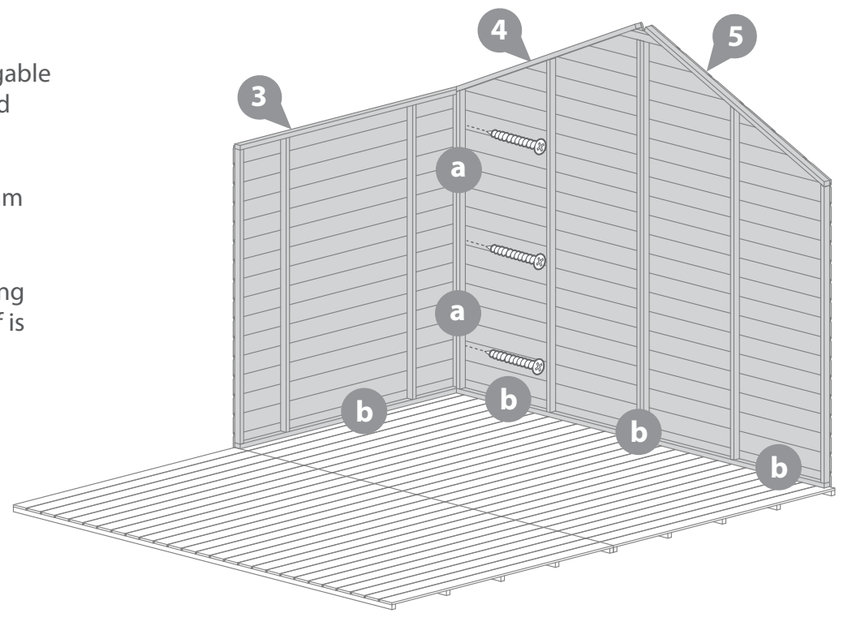
Place the first assembled plain gable and plain side onto the floor and fix in place.

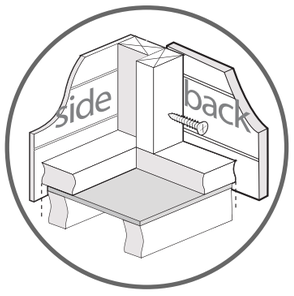
a Fix the corners with 50mm screws.

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

3x50mm Screws







Step 4

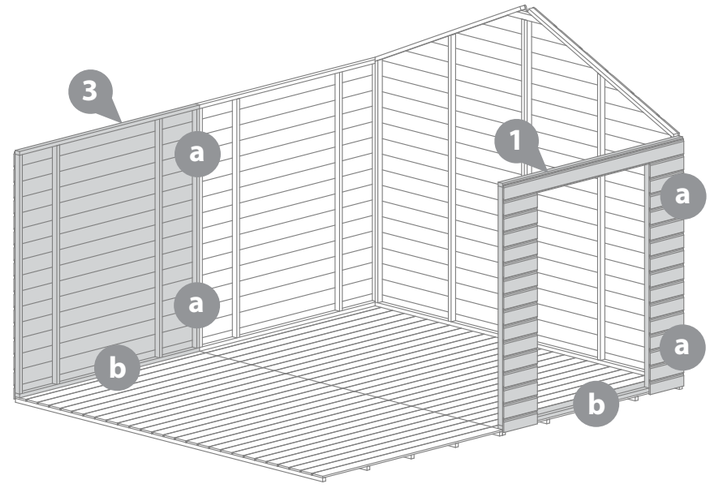
Following the same method outlined in step 3, attach the next plain side & the door panel to the assembly.

a Fix the corners with 50mm screws.

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

6x50mm Screws





Step 5

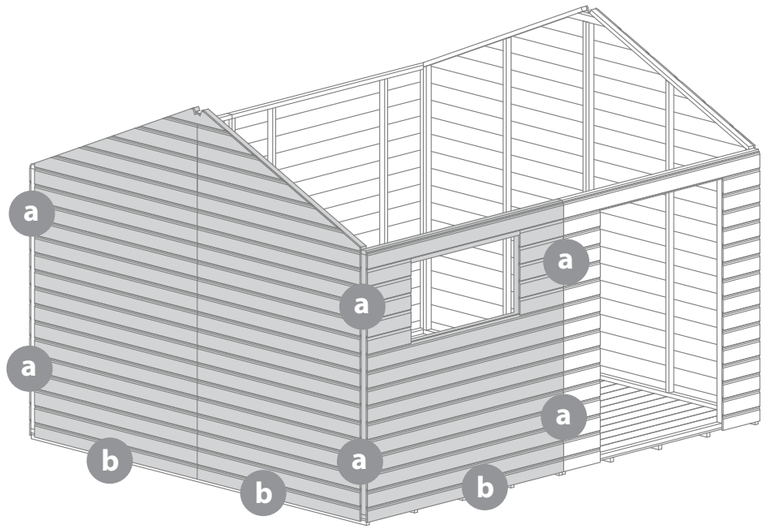
Following the same method outlined in step 3, attach the remaining plain gable and window panel to the assembly.

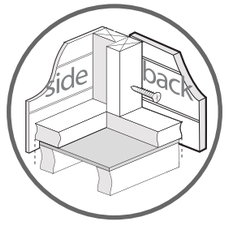
a Fix the corners with 50mm screws.

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

9x50mm Screws







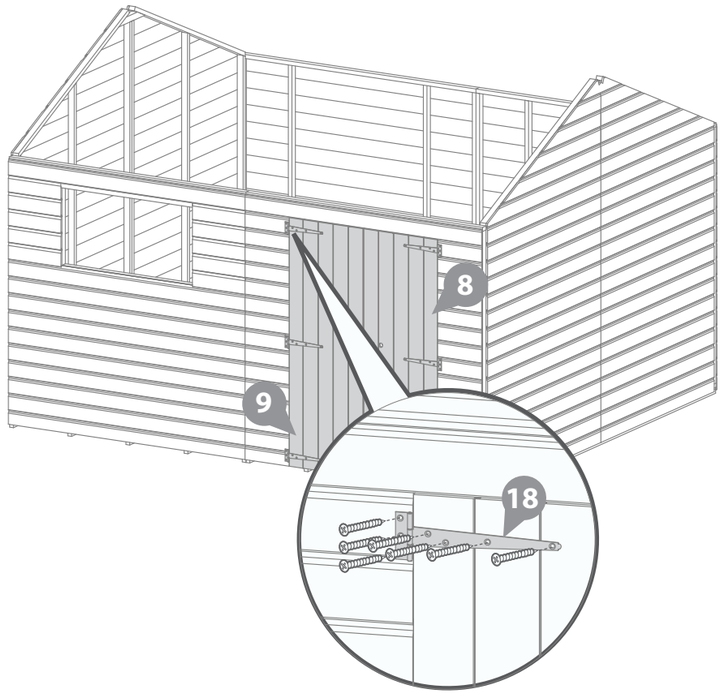
Step 6

Place the master and slave door into the door panel and fix into place with 3x T-hinges per door and 7x30mm screws per hinge.

Ensure to screw through the boards into the framing on the back of each door.

42x30mm Screws





Step 7

Locate the truss centrally in the building. Align the top of the truss with the top of the gables.

Use a piece from the fixing kit as a guide.

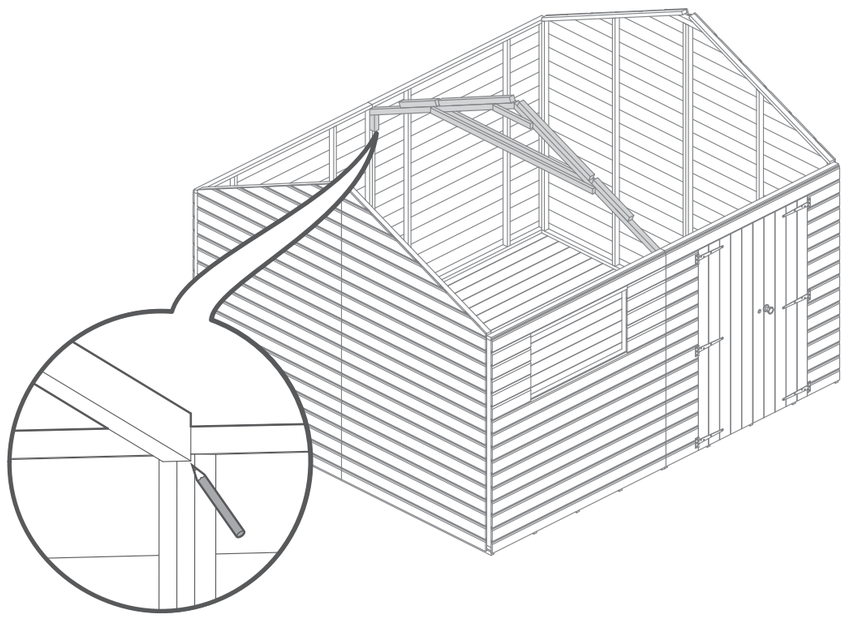
Pencil mark the position and remove the truss.

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

Rest the truss on top of the blocks and secure into place using 1x100mm screw per side as shown in the illustration.

4x70mm Screws
2x100mm Screws





Step 8

Secure the roof panels together using the metal "U" channels and 6x30mm screws per side.

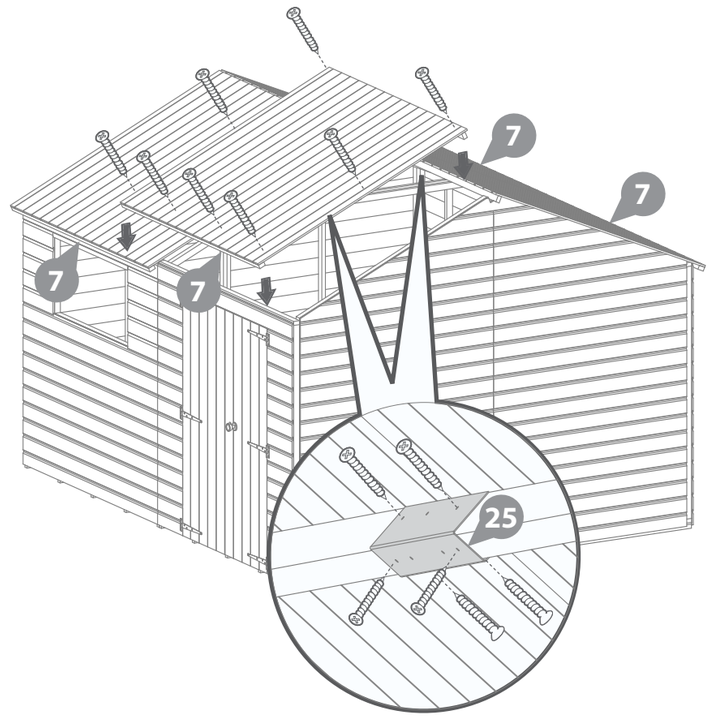
Place the roof panels on top of the building ensuring they sit into the cut outs on the gables and truss.

Make sure there is an equal amount of overhang on either side of the building.

Secure into position using 8x30mm screws per roof section, screwing through the boards into the gable and truss framing.

44x30mm Screws



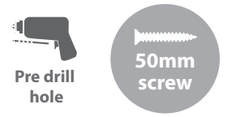


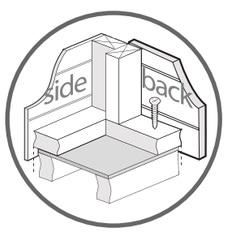
Step 9

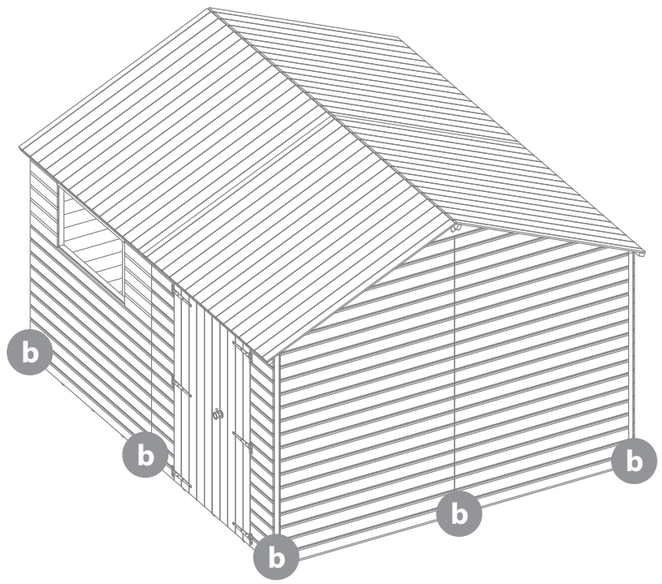
b

Once the roof is fixed secure the building to the floor with 36x50mm screws.

36x50mm Screws







Step 10

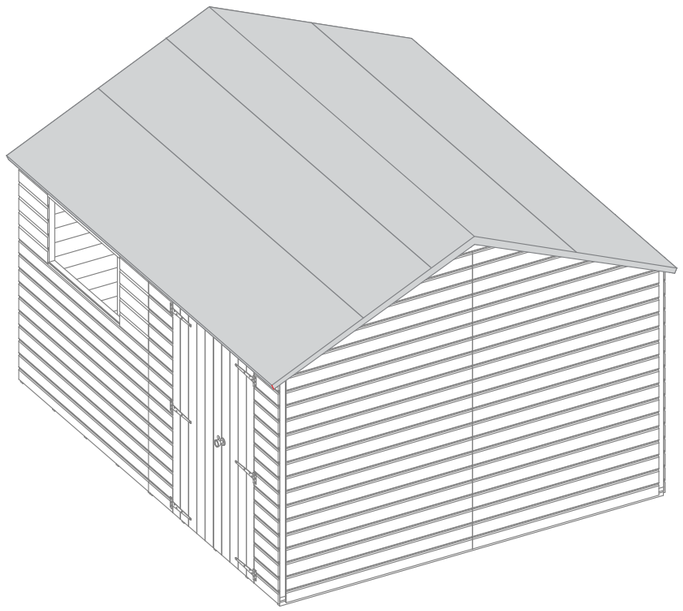
Cut the felt into four strips lay onto the roof as shown in the illustration.

Ensure there is approximately 50mm of overhanging felt each side.

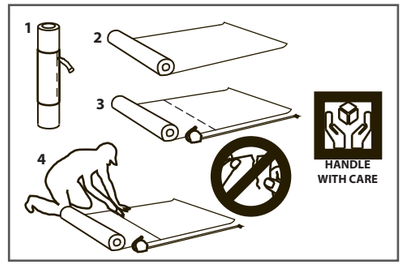
Once the felt is laid out fix to the roof using felt tacks at 100mm intervals.

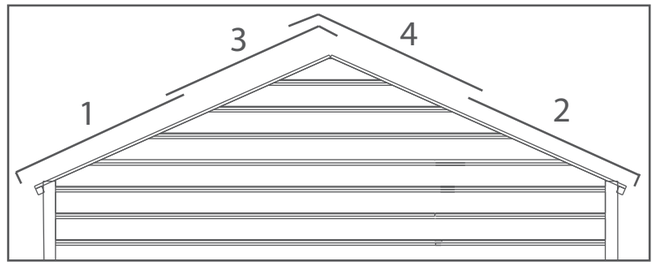
Felt size: 4925mm

210x Felt Tacks









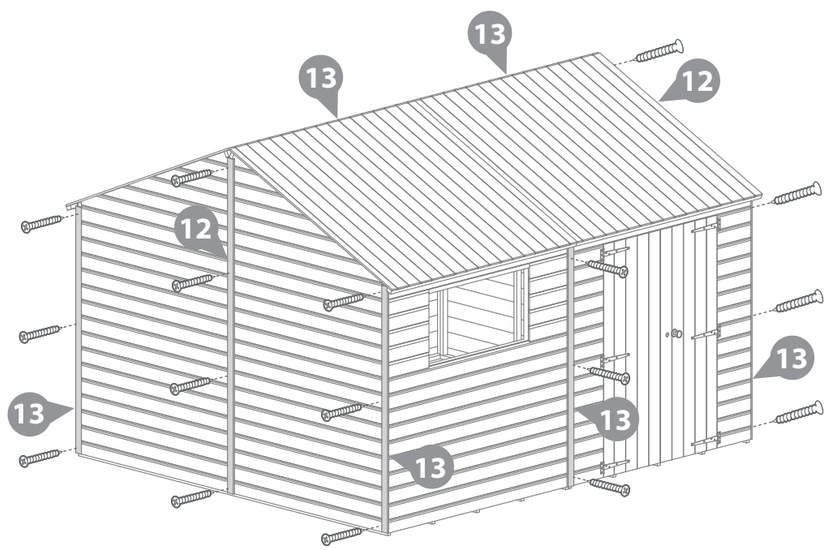
Step 11

Fit the cover trims to the building and secure in place with 26x40mm screws as shown in the illustration.

26x40mm Screws

Pre drill hole

40mm screw



Step 12

Place the cover strip 13mm above the gap in the window panel and fix into place using 3x30mm screws.

Measure and trim the strip before fitting.

3x30mm Screws

a If you would like the widows to open attach the window to the strip using 2x butt hinges. Fix the hinges to the window using 3x16mm screws per hinge and to the strip with 3x30mm screws.

6x16mm Screws
6x30mm Screws

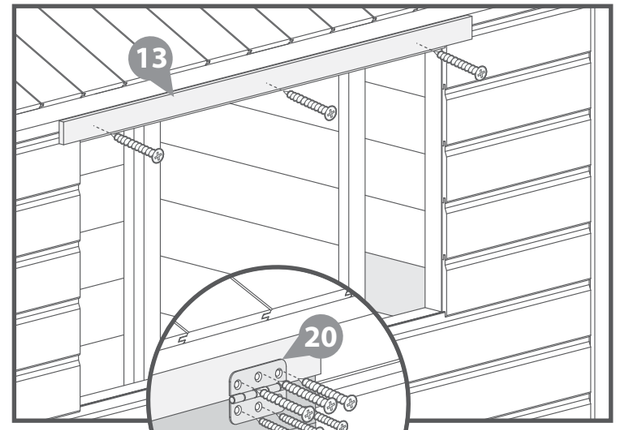
b If you would like the window to be fixed, secure the window into the gap using 4x30mm screws. Ensure to screw through the window into the panel framing.

4x30mm Screws

*Cut down trims to fit

Pre drill hole

30mm screw

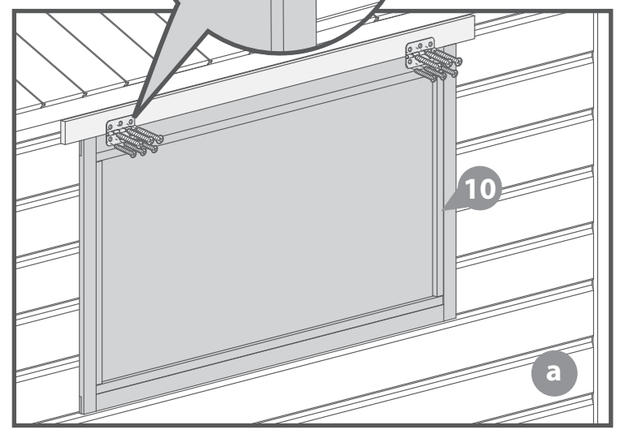


Opening Window

Pre drill hole

30mm screw

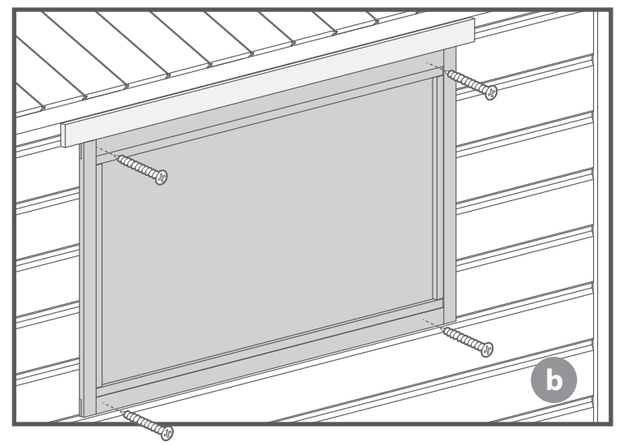
16mm screw



Fixed Window

Pre drill hole

30mm screw



Step 13

Rim lock fixing

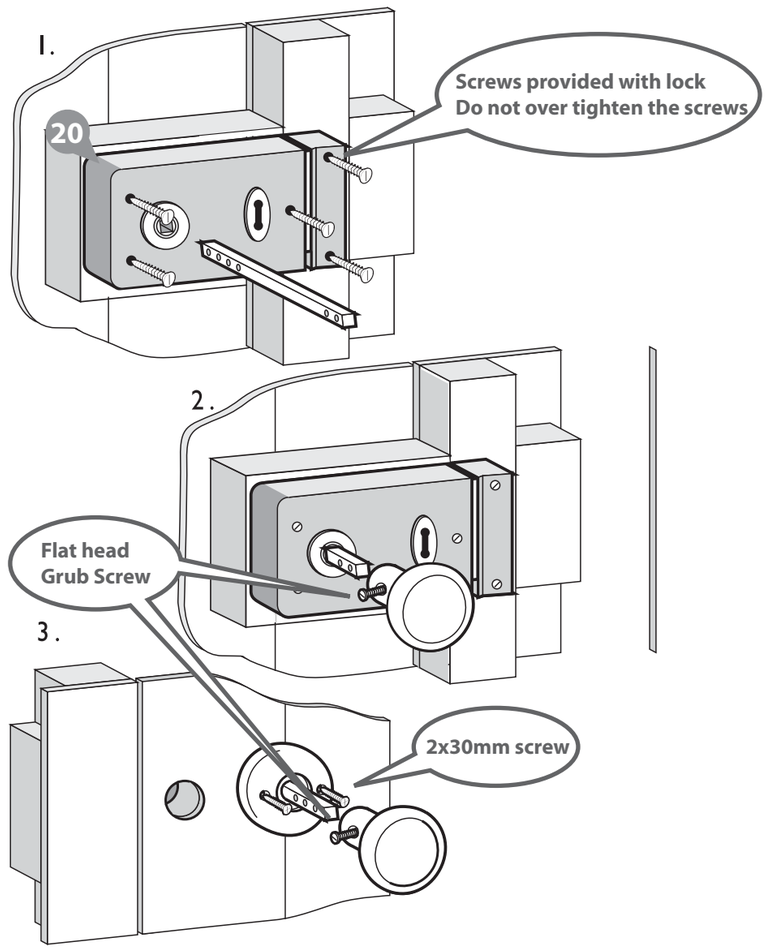
Fig 1. (internal view)
Place the lock onto internal horizontal framing ensure alignment with the pre drilled holes before fixing. Align Lock keep with lock and fix with screws provided.
Do not over tighten the screws, otherwise the locking mechanism will not work.

Fig 2.
Place door handle bar through the lock as in diagram, fix door handle onto bar with the flat headed grub screw.

fig 3. (External view)
Fir the door handle cover over the bar and fix with 2x30mm screws provided. Fix the door handle onto bar with the flat headed grub screw as in diagram.

2x30mm Screws





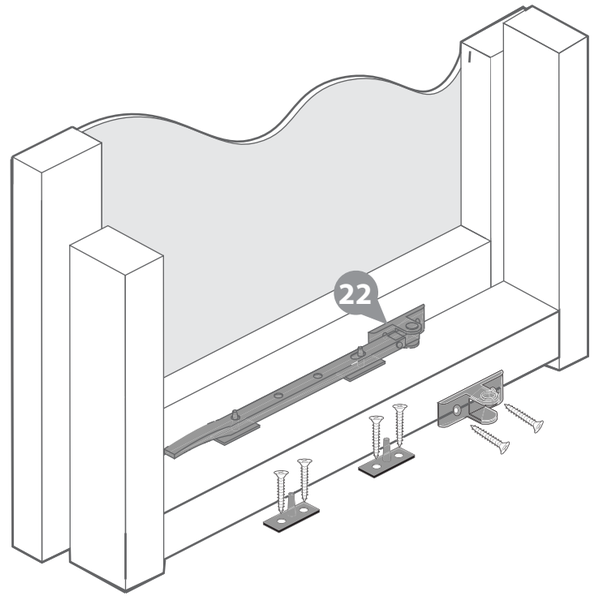
Step 14

Fix the casement say to the window then align the fixings to the window panel.

Ensure the casement stay fits onto the fixings before securing in place.

6x16mm Screws





Step 15

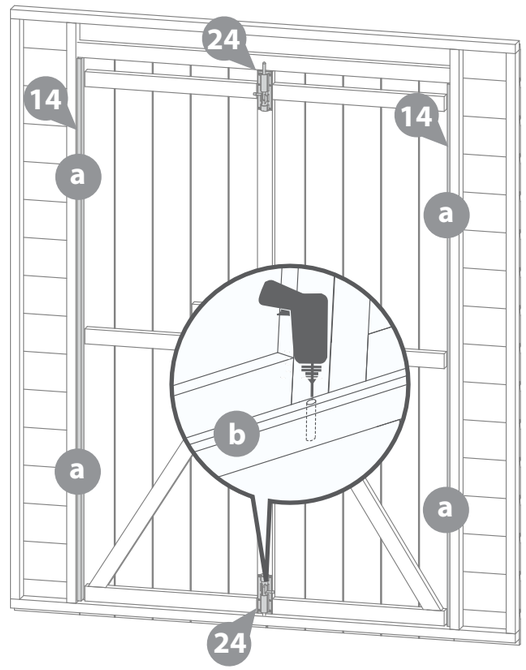
a Attach the door strips to the door panel framing either side of the door using 3x30mm screws per strip.

b Align the tower bolts with the top and bottom of the slave door and fix into place using 8x30mm black screws per tower bolt.

With the bottom tower bolt mark the bolt position and drill into the door panel framing to allow the bolt to latch.

6x30mm Screws
16x30mm Black Screws





Step 16

Fit the cover trims and finials to the gable sides securing with 12x40mm screws as shown in the illustration.

Before fixing into place measure and cut down the cover trims to size.

12x40mm Screws



*Cut down trims to fit



Pre drill hole



