General Instructions

01GRODB0808-V2

8x8 Dutch Barn

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

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

www.merciagardenproducts.co.uk

Overall Dimensions:

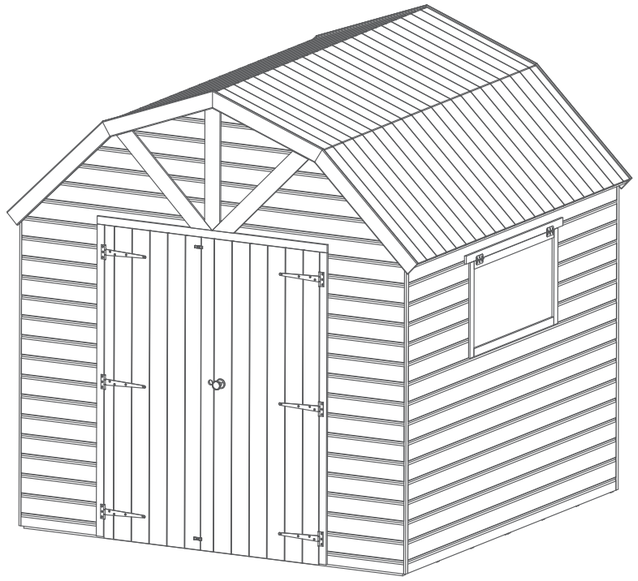
Length = 2446mm
Width = 2590mm
Height = 2615mm

Base Dimensions:

Length = 2400mm
Width = 2388mm

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

MADE IN GREAT BRITAIN



Content

1 Floor Qty 2

2 Door Panel

3 Plain Back

4 Gable Top Qty 2

5 Master Door

6 Slave Door

7 Window Panel

8 Plain Panel

9 Small Roof Qty 2

10 Large Roof Qty 2

11 Window

Fixing Kit

12 Gable Strip - 12x121x2300mm Qty 2

13 Cover Trim - 12x25x1810mm Qty 4

14 Door Strip - 12x45x1764mm Qty 2

15 Door Strip - 12x45x1449mm Qty 1

16 Window Strip - 12x45x1100mm Qty 1

17 Barge Board - 12x95x691mm Qty 1

18 Barge Board - 12x95x760mm Qty 2

19 Fascia Board - 12x95x835mm Qty 4

20 Fascia Board - 12x95x739mm Qty 4

21 Rim Lock & Handle

22 Butt hinge Qty 2

23 Tower bolt Qty 2

24 Felt

25 T-hinge Qty 6

26 casement stay

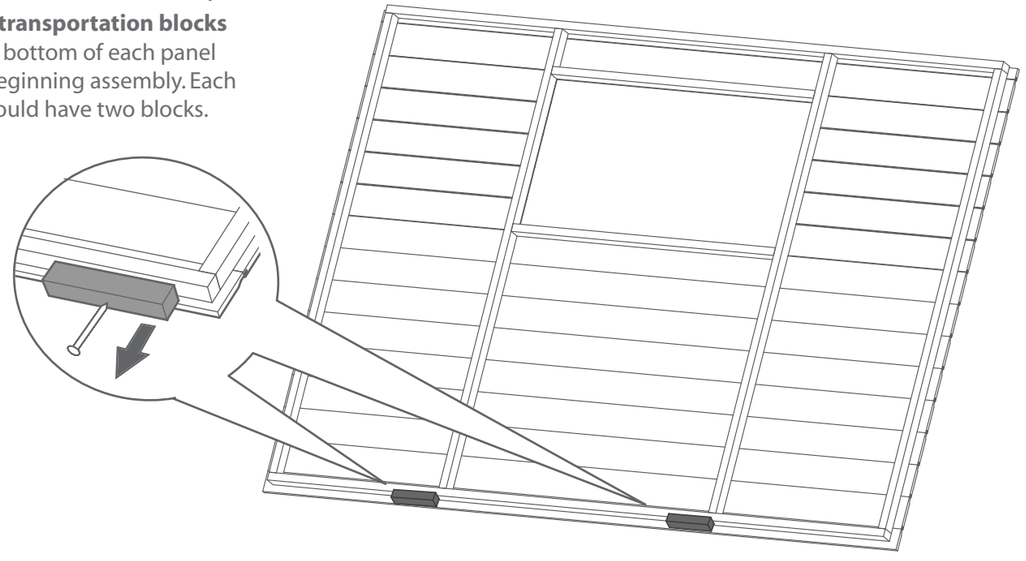
27 Turn button Qty 2

Nail Bag

- 60mm Screw x 16
- 50mm Screw x 38
- 40mm Screw x 36
- 30mm Screw x 99
- 30mm Black Screw x 14
- 20mm Screw x 15
- 16mm Screw x 6
- Felt Tacks x 140

Pre-Assembly

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



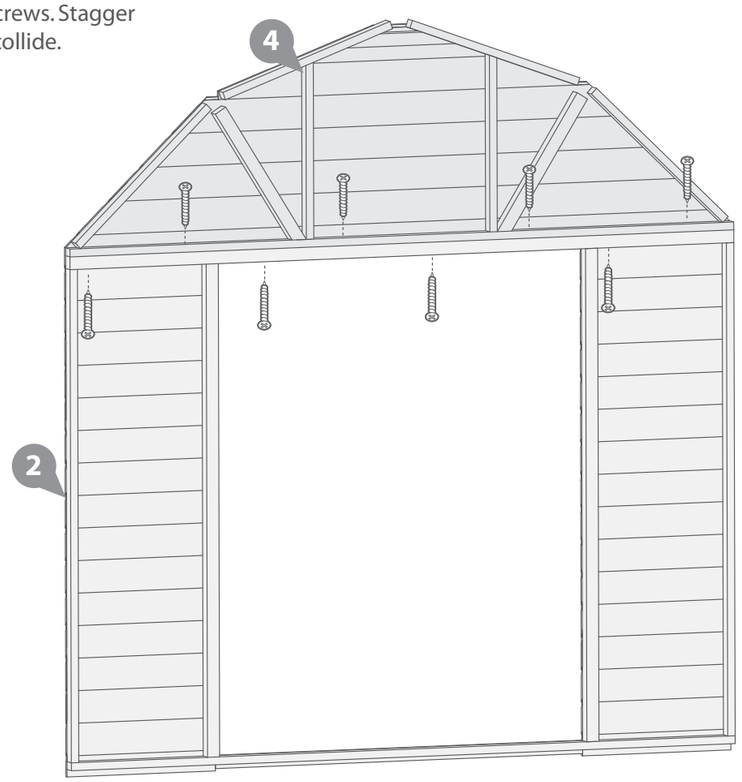
Step 1

Lay the Door Panel and Gable Top on a level floor place the gable top on top of the door panel ensure they are level at the top then fix together using 60mm screws. Stagger the screws so they do not collide.

8 x 60mm screws



Pre drill hole



Step 2

Line a Gable Strip up to the assembled gable ensuring the bottom of the strip lines up with the underneath of the door panel framing as shown in the illustration and fix in place using 40mm screws

6 x 40mm screws





Pre drill hole



Step 3

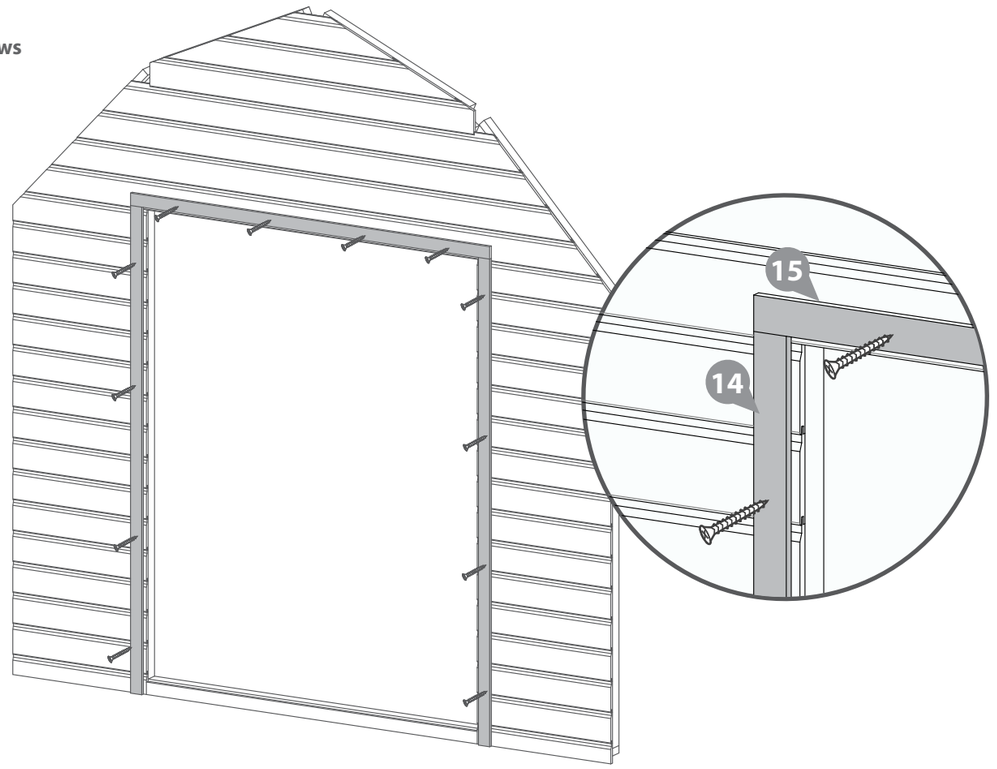
Fix the door strips onto the front gable using 4x30mm screws for each strip

12x30mm screws





Pre drill hole



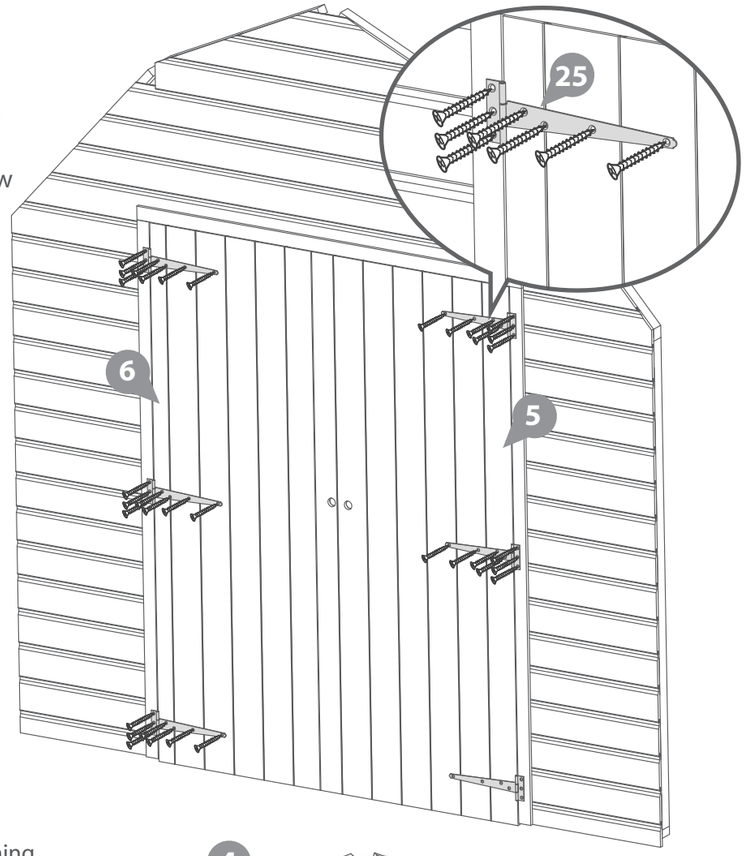
Step 4

Fix the T Hinges onto the doors and door frame as shown above. Ensure that each hinge is 720mm apart and that there is a 170mm gap from the top of the door and the middle screw of the T Hinge.

42x30mm screws



Pre drill hole



Step 5

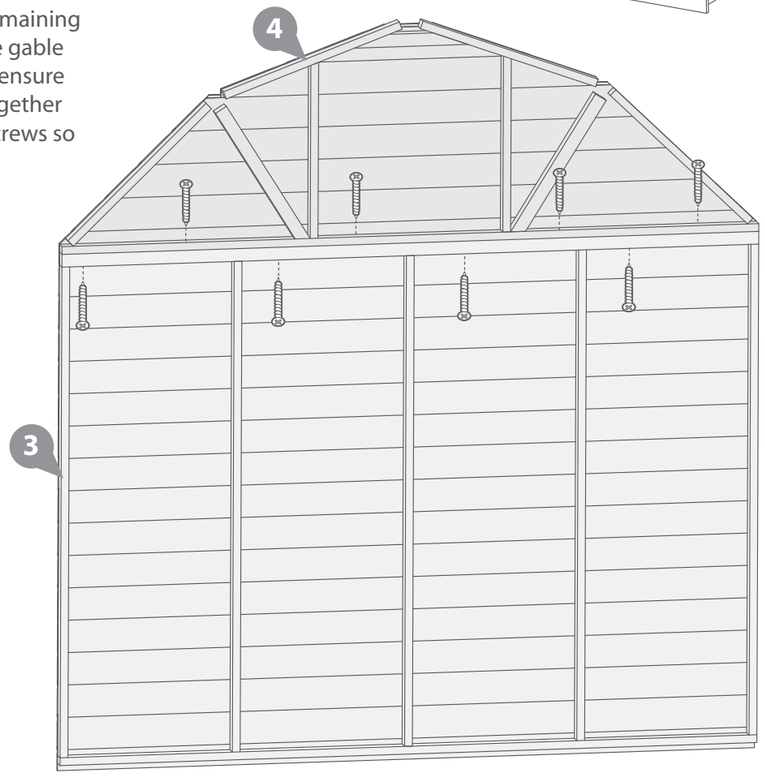
Lay the Plain Back Panel and the remaining Gable Top on a level floor place the gable top on top of the plain back panel ensure they are level at the top then fix together using 60mm screws. Stagger the screws so they do not collide.

8 x 60mm screws





Pre drill hole



Step 6

Line the remaining Gable Strip up to the assembled gable ensuring the bottom of the strip lines up with the underneath of the plain back panel framing as shown in the illustration and fix in place using 40mm screws

6 x 40mm screws



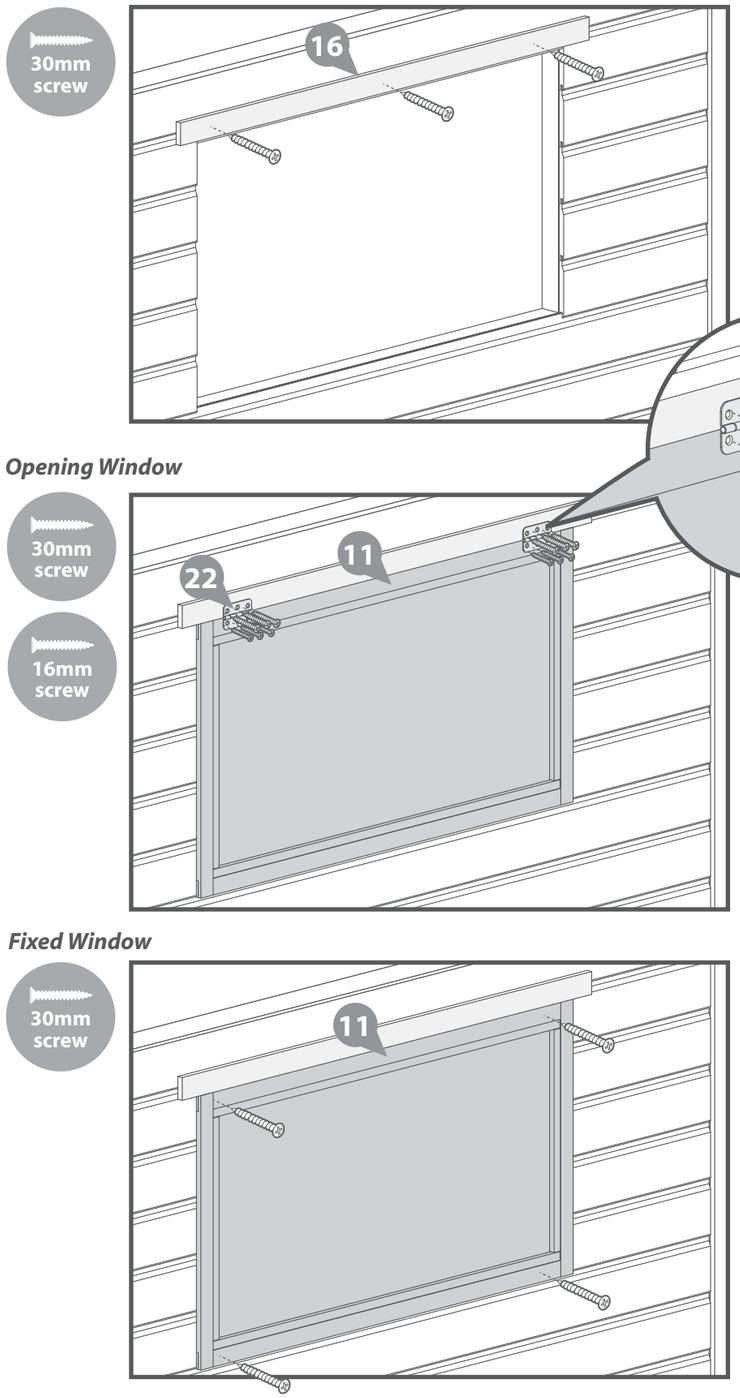


Pre drill hole



Step 7

Lay the window panel down on a flat surface before fitting the window strip and window.



***SCREW COUNT PER WINDOW**

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

3x30mm Screws

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

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.

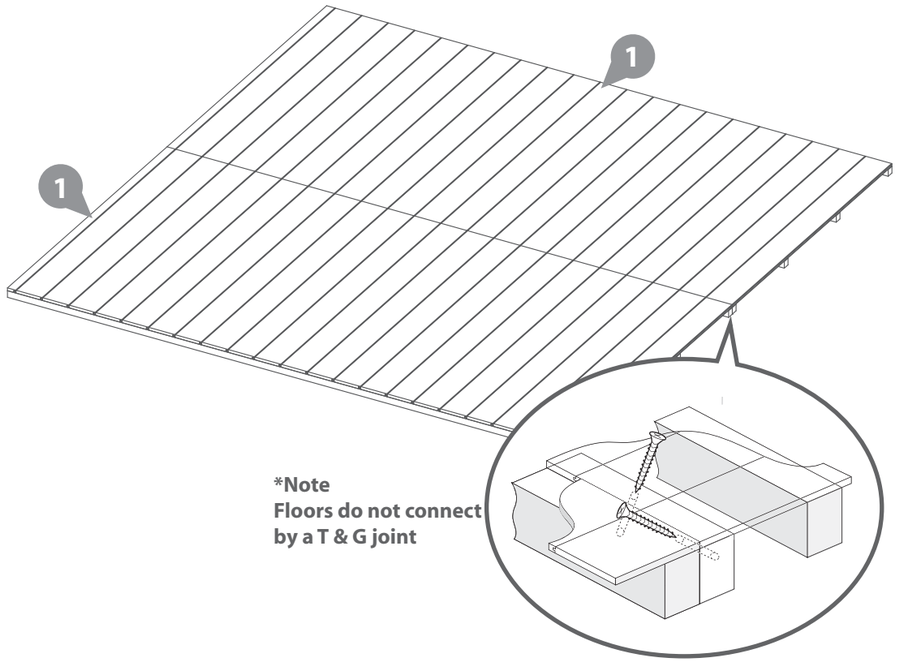
4x30mm Screws

Step 8

Place floors on a firm and level base, ensure base has suitable drainage free from areas where standing water can collect. (see front page on base requirements). Ensure floors are flush to each other and fix using 8x50mm screws. Alternate fixing positions along the length of the floors.

8x50mm screws





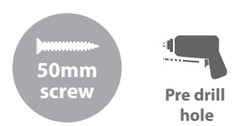
***Note**
Floors do not connect by a T & G joint

Step 9

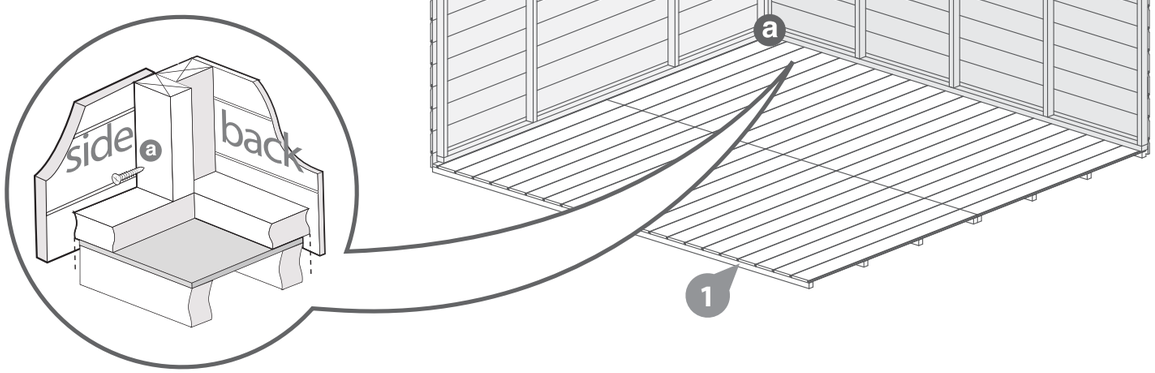
ⓐ Fix the corners with 3x 50mm screw a shown in diagram.

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

3x50mm screws



Plain and window panel can be positioned on either side.



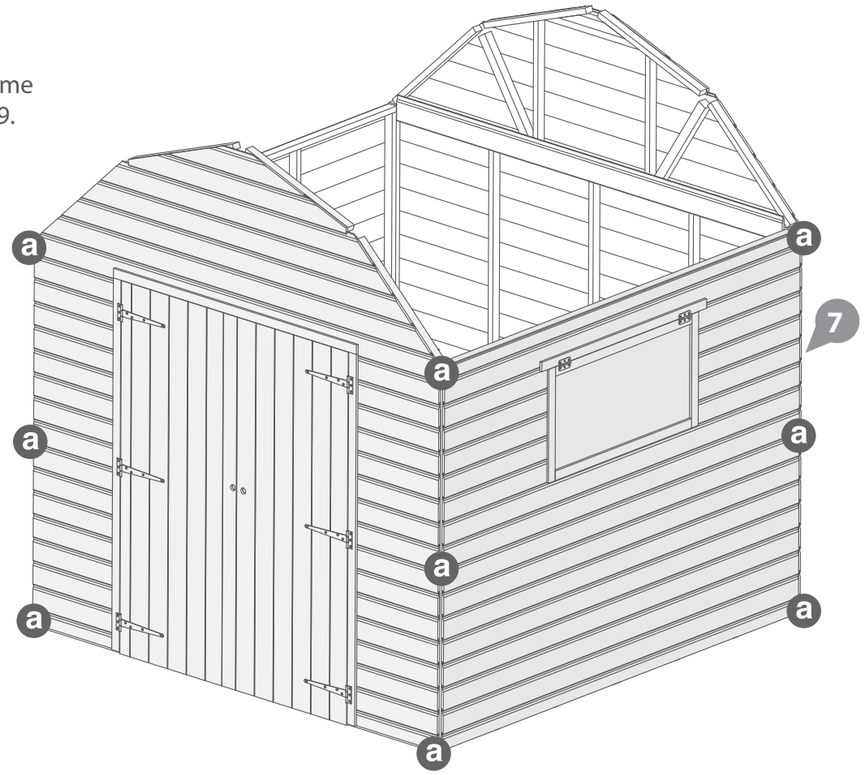
Step 10

Fix the door gable and Window panel using same method shown in step 9.

9x50mm screws

50mm screw

Pre drill hole



Step 11

Fix the **small roof** panels on either side as shown in diagram. Ensure roof framing fits into slot at top between the gable top rafters.

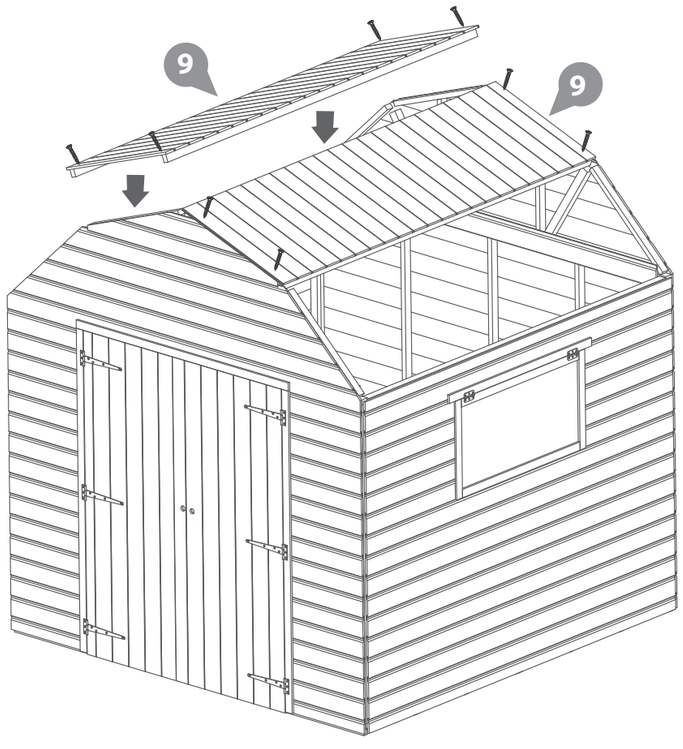
Fix panels into position using 4x30mm screws from the top of panel, straight into the rafter. Pre drill holes before hand.

Ensure the larger over hang on both panels are facing each other at the top point.

8x30mm screws

30mm screw

Pre drill hole



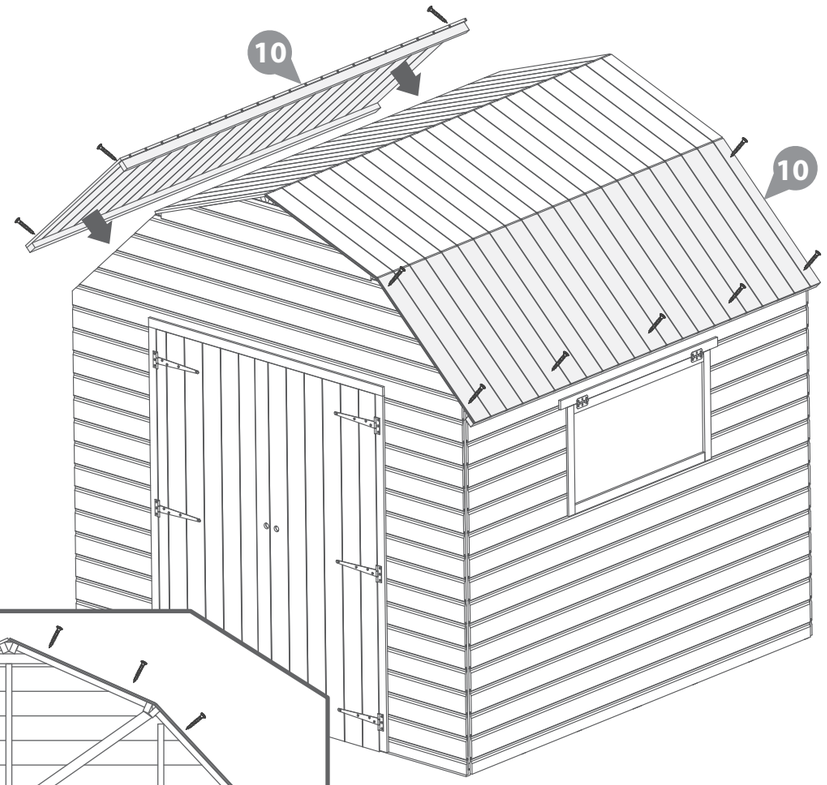
Step 12

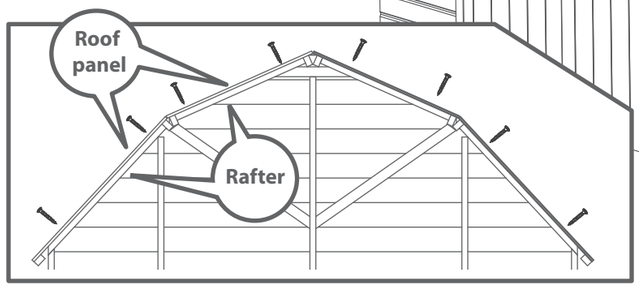
Fix the **large roof** panels using the same method described in Step 11.

14x30mm Screws

30mm screw

Pre drill hole





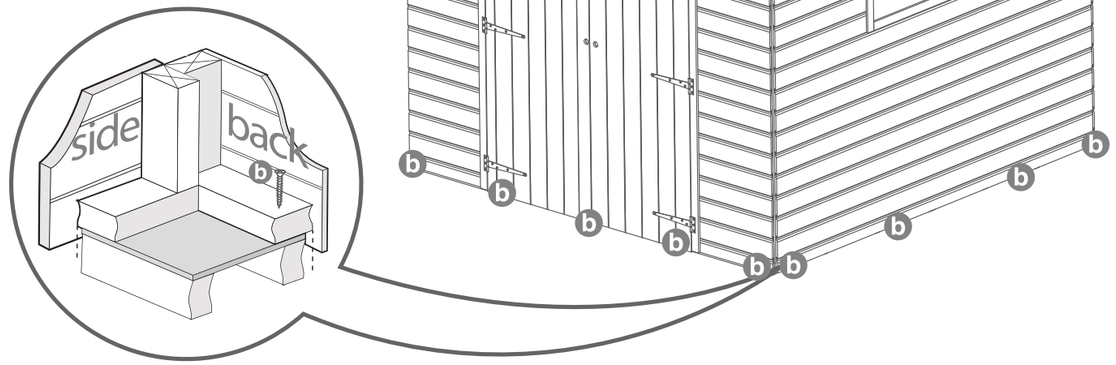
Step 13

b Fix the panels onto the floor using 50mm screws in alignment with the floor joists

18x50mm screws

50mm screw

Pre drill hole

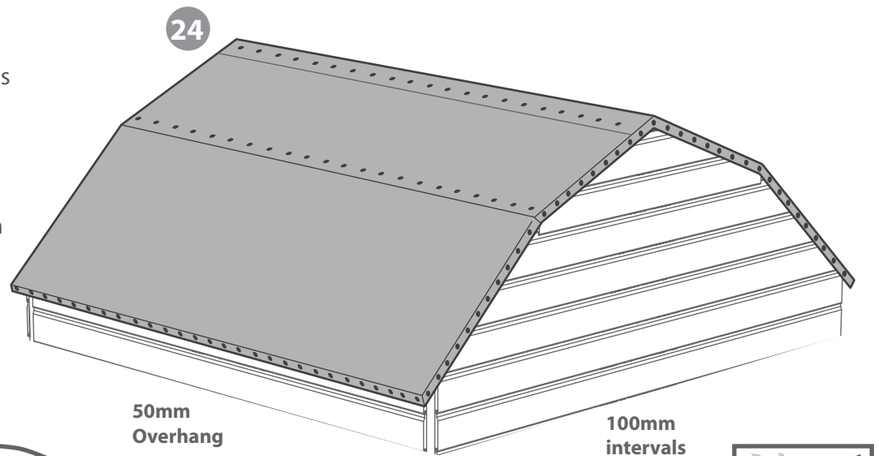


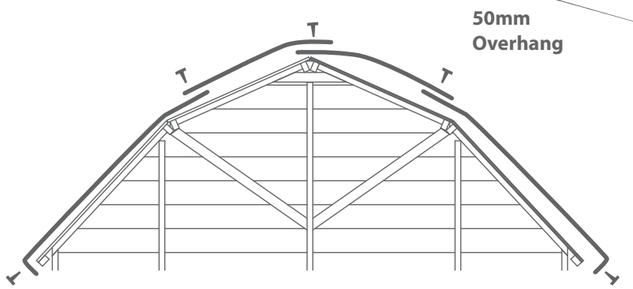
Step 14

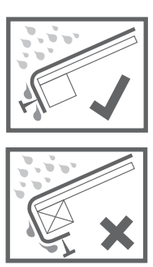
Cut felt into 4 sheets at 2522mm and lay onto roof as shown in diagram ensuring there is a 50mm overhang around the sides.

fix using felt tacks at 100mm intervals

140 x felt tacks



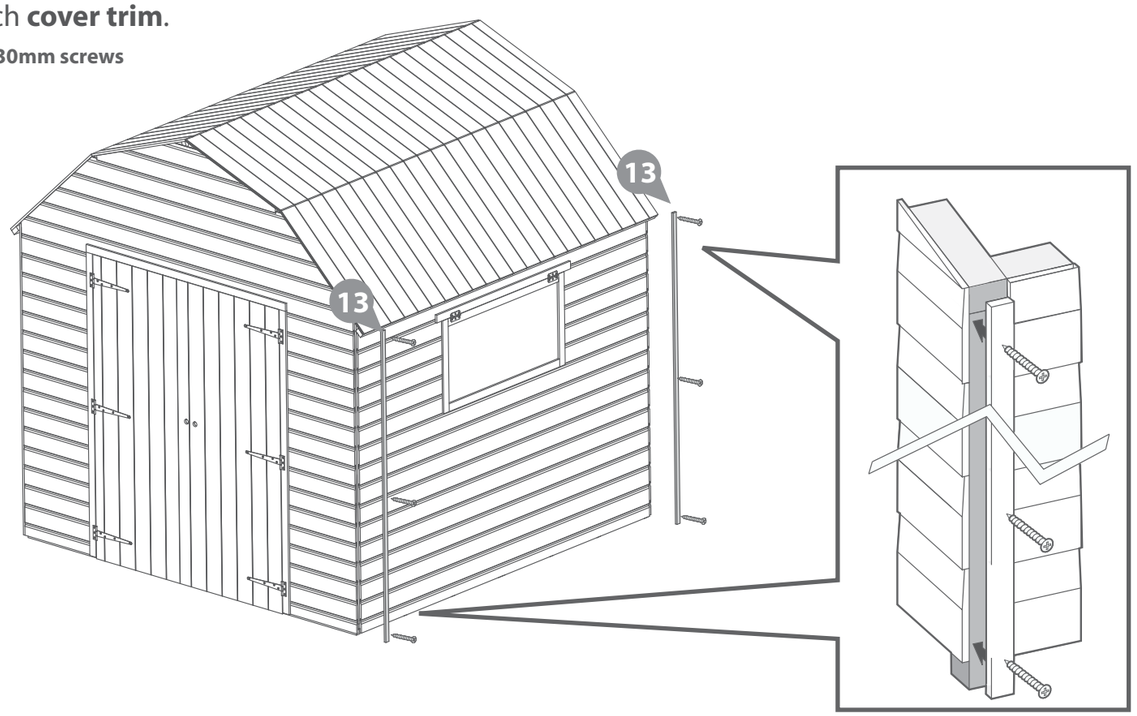




Step 15

Use 3x30mm screws to fix each **cover trim**.

12x30mm screws

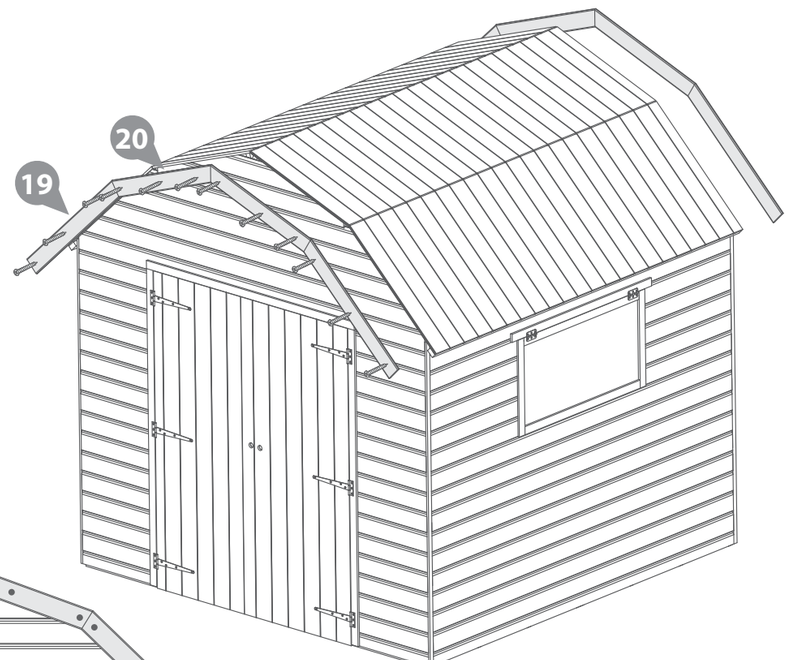


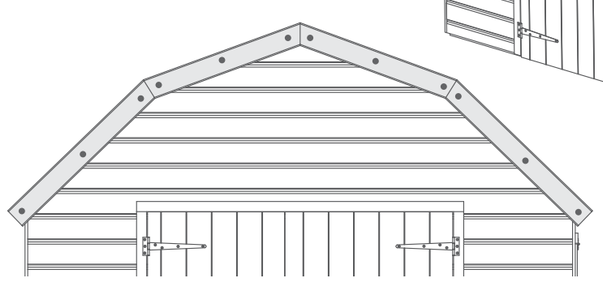
Step 16

Fit **fascia boards** to the front and the back of building using 3x40mm screws per board as shown in diagram.

Pre drill holes beforehand making sure screws go into the framing.

24x40mm screws

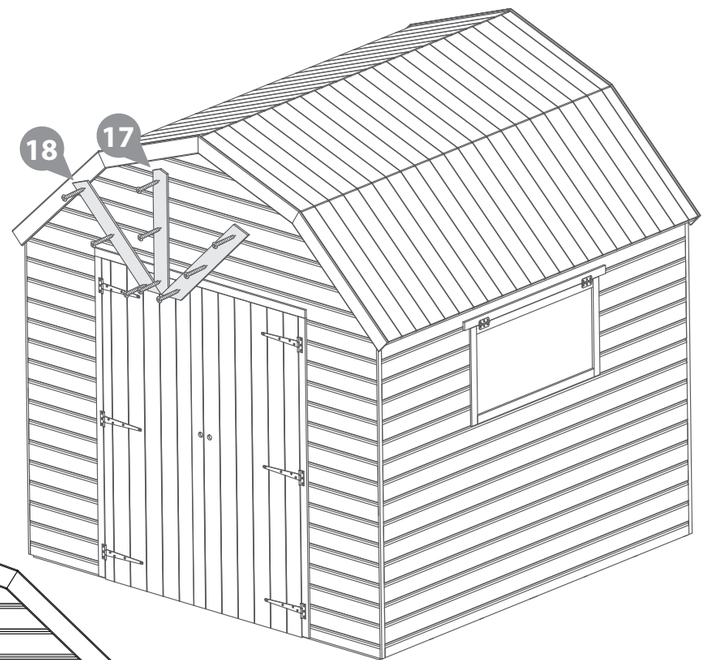


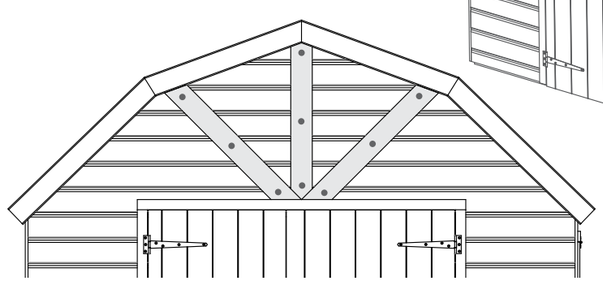


Step 17

Fit the **barge boards** to front of the building using 3x20mm screws per board as shown in diagram.

9x20mm screws





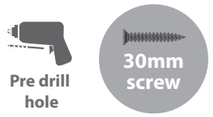
Step 18

Align tower bolts onto the vertical framing on the slave door and fix with 6x30mm black screws.

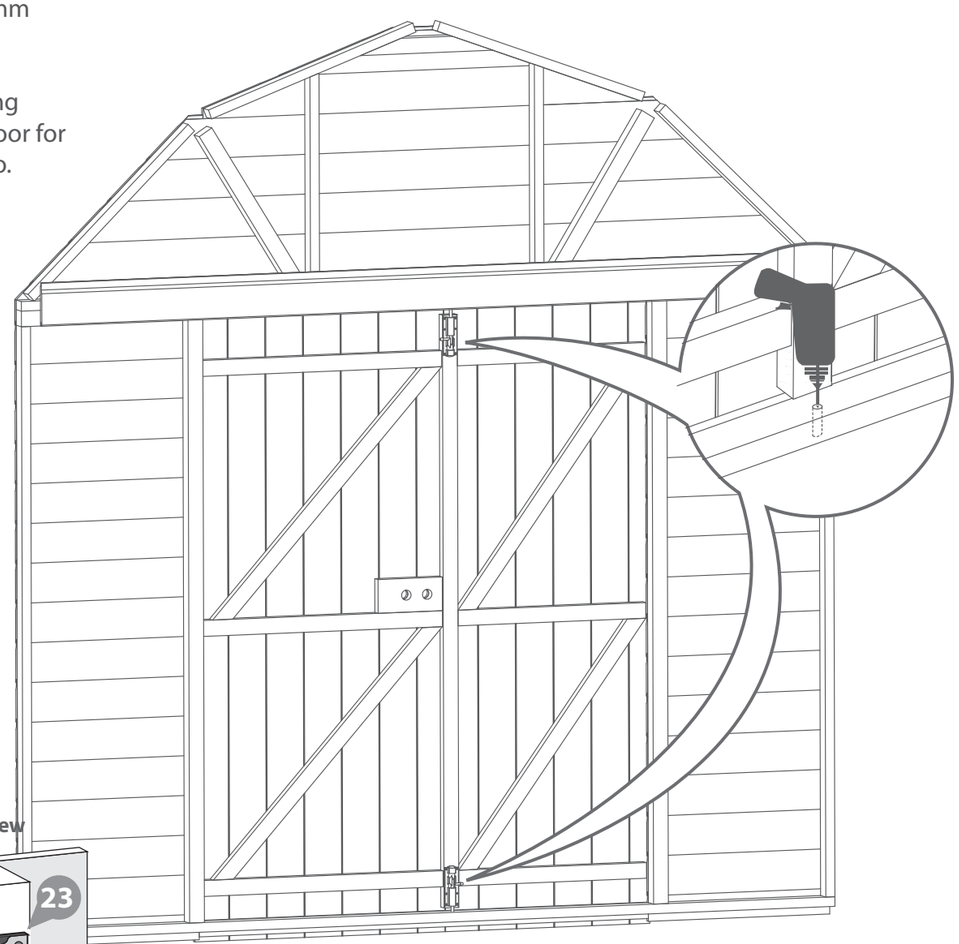
Drill a hole in the framing above and below the door for the tower bolt to fix into.

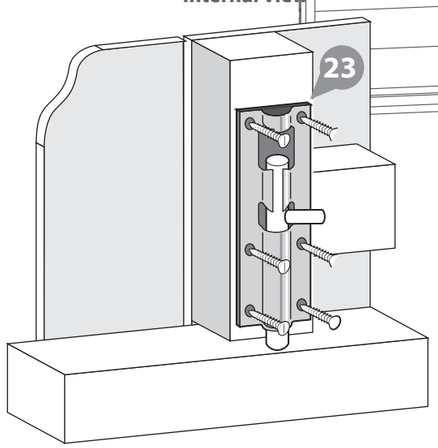
12x30mm Black screws

***Note**
Slave door does not have rim lock.



Ensure doors open and close freely.





Step 19

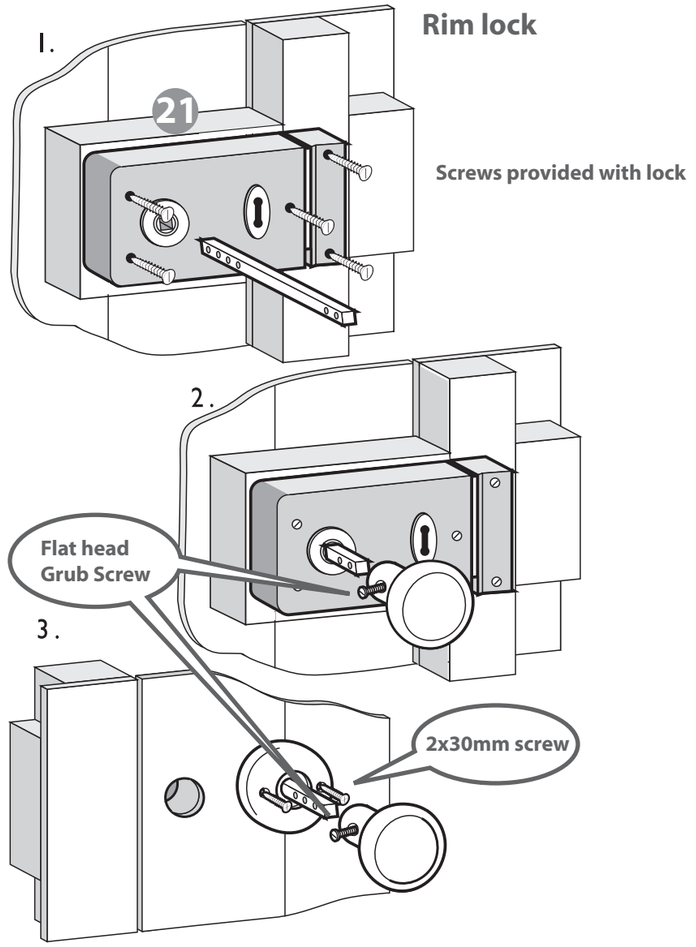
Rim lock fixing

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.

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.

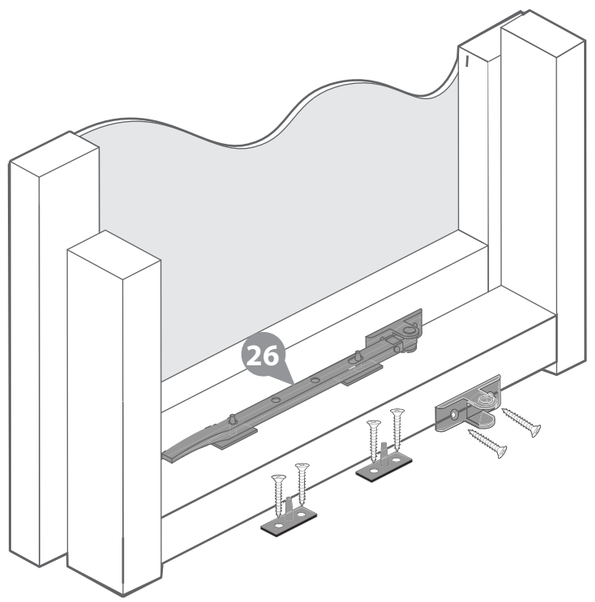
2x30mm screws



Step 20

Fix the casment stay to the opening window then align the fixings onto the the window panel frame. ensure thecasement stay fits into fixings when closed before screwing them down using x6 20mm screws.

6x20mm screws per casement stay



Step 21

Attach a turn button to the top and bottom of the slave door using 30mm black screws ensuring once turned horizontal the turn button catches the master door.

These turn buttons help to keep your doors straight during high levels and low levels of moisture content in the air.

2x30mm black screws

