General Instructions

03HEL1010DDFW-V3

10x10 Helios Summer House

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

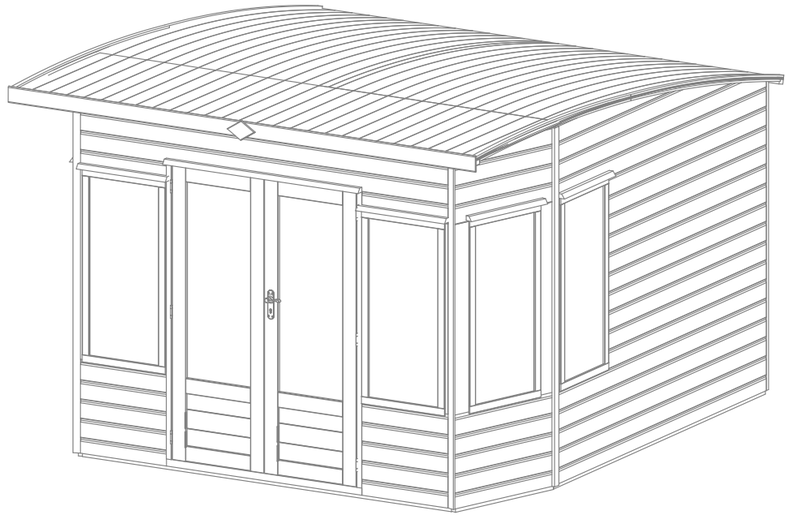
www.merciagardenproducts.co.uk

03HEL1010DDFW-V3

Please retain product label and instructions for future reference

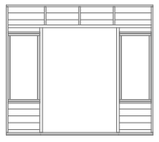
Overall Dimensions:
Width = 3040mm
Depth = 3488mm
Height = 2189mm

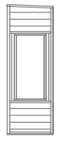
Base Dimensions:
Width = 2919mm
Depth = 3102mm



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

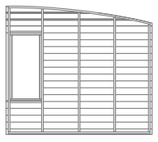
MADE IN GREAT BRITAIN

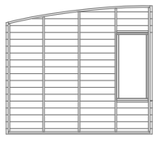
1

Door Panel
AI-03HELDP2392X2122-V1

2

Window Panel L
AI-03HELAWPL755X2140-V1

3

Window Panel R
AI-03HELAWPR755X2140-V1

4

Window Gable L
AI-03HELWGL2382X2093-V2

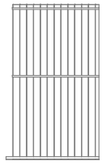
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Window Gable L
AI-03HELWGL2382X2093-V2

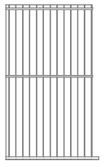
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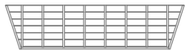
Back Panel QTY 2
AI-03HELBP1459X1821-V3

7

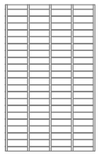
Front Roof
AI-03HELTAGFR3032X964-V1

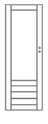
8

Back Roof L
AI-03HELTAGBRL1516X2356-V1

9

Back Roof R
AI-03HELTAGBRR1516X2356-V1

10

Front Floor
AI-03HELTAGFLOOR2907X717-V1

11

Back Floor QTY 2
AI-03HELTAGFLOOR1459X2387-V1

12

Master Door
AI-03HEL1010MD

13

Slave Door
AI-03HEL1010SD

14

Roof Bar QTY 4
AI-03HELRB2828X101-V1

15

Roof Block - 28x28x140mm QTY 8
FS2828-160mm (*angled*)

16

Lrg Rain Guard - 44x27x1272mm
F2744-1272mm (*bevelled*)

17

Sml Rain Guard - 44x27x580mm QTY 6
F2744-1272mm (*bevelled*)

18

Roof End - 121x12x2536mm QTY 2
MB112-2536mm

19

Roof End - 121x12x964mm QTY 2
MB112-964mm

20

Door Beading - 17x12x1711mm QTY 2
BDC-1711mm

21

Top Roof Trim - 30x12x1750mm QTY 4
S1230-1750mm

22

Btm Roof Trim - 30x12x1705mm QTY 4
S1230-1705mm

23

Fascia - 95x12x1520mm QTY 2
SR1295-1520mm

24

Front Trim - 44x12x2116mm QTY 2
S1244-2116mm

25

Corner Trim - 43x18x2093mm QTY 2
KCT4318-2093mm

26

Rear Trim - 25x18x1816mm QTY 2
S1225-1816mm

27

Floor Block - 28x28x400mm QTY 7
F2828-400mm

28

Post - 44x44x2078mm QTY 2
F4444-2078mm

29

Door Bar - 60x16x1705mm
F1660-1705mm

30

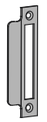
Finial

31

Door Handle
PI-07-0001

32

Mortice Lock
PI-07-0017

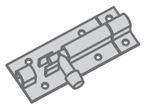
33

Key Plate

34

Hinge QTY 6
PI-07-0023

35

Turn Button QTY 2
PI-07-0034

36

Tower Bolt QTY 2
PI-07-0114

Nail Bag


30mm Screw x133


30mm Black Screw x2


Felt Tacks x185

80mm Screw x14

60mm Screw x80

50mm Screw x57

40mm Screw x105

Pre Assembly

Remove the transportation blocks from the bottom of each panel before beginning assembly.

Step 1

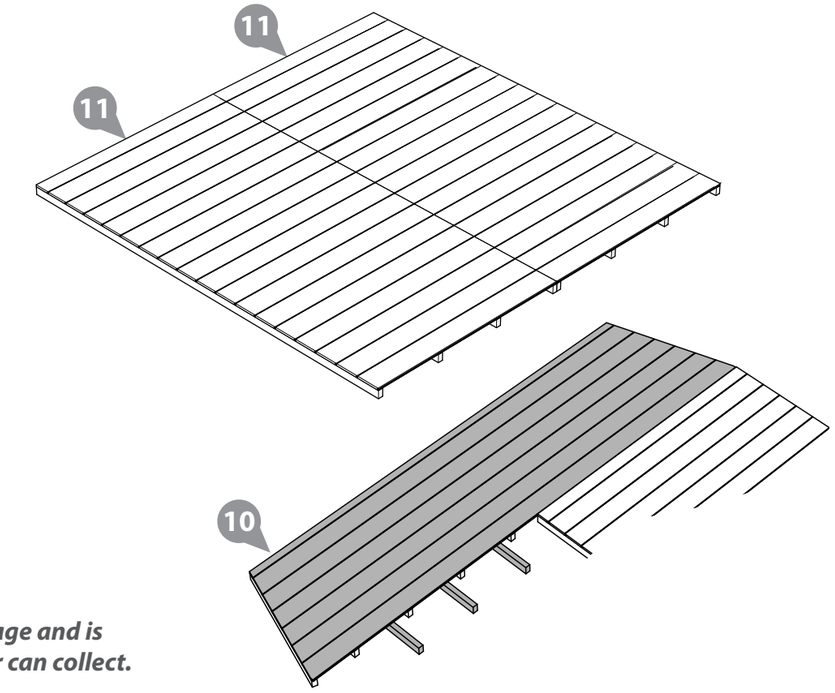
Position back floor (***No. 11***) sections onto a firm and level base, fix with 8x50mm screws alternate the fixing positions along the length of the floors.

Fix the front floor (***No. 10***) to the 2 existing panels using the floor joining bocks. Use 2x50mm screws per block screwing through the boards into the top of the block, connecting the floor pieces.

30x50mm Screws



Ensure your base has suitable drainage and is free from areas where standing water can collect.



Step 2

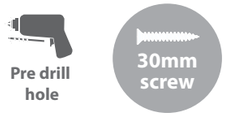
Attach the flush hinges (***No. 34***) to both the master (***No. 12***) & slave (***No. 13***) doors using 3x30mm screws per hinge.

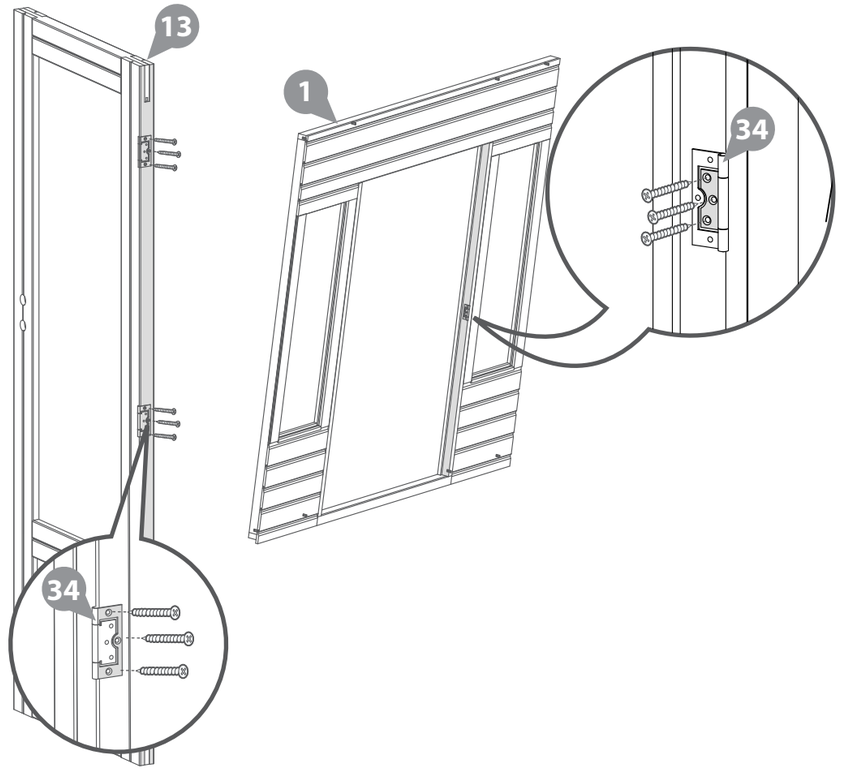
Fix to the doors via the outer plate.

Fix the doors into the door panel (***No. 1***) aperture, securing into place using 3x30mm screws per hinge.

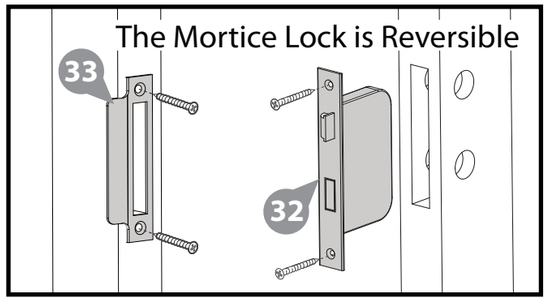
Fix to the door panel via the inner plate.

36x30mm Screws





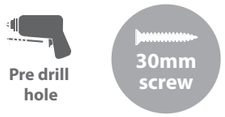
Fit the mortice lock (***No. 32***) into the recess on the master door & fix into place using with the screws provided. Attach the key plate (***No. 33***) to the slave door, once again using the screws provided.

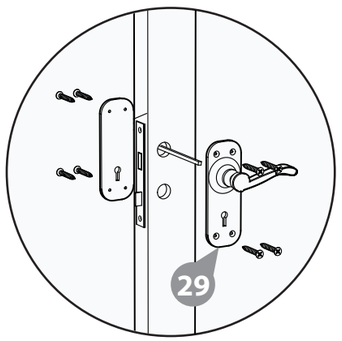


Fix the door handles (***No. 31***) and the metal bar (***spindle***) using 8x30mm screws.

Ensure the mortice lock opens and closes freely. If not remove the lock and turn the catch around using the small grub screw.

8x30mm Screws





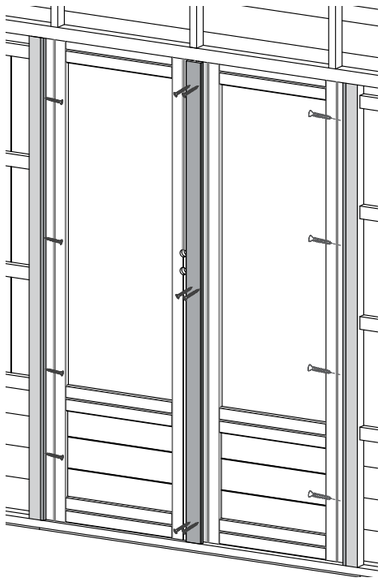
Step 2 Continued...

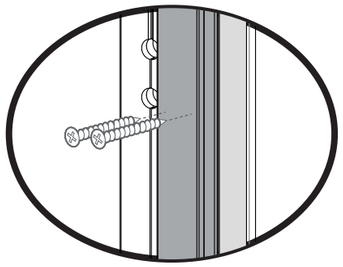
Fix the door bar (***No. 29***) to the inside of the slave door with 6x30mm screws, as shown in the illustration.

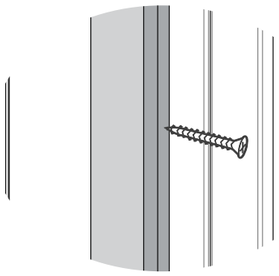
Attach the door beading strips to the inside of the door frame (***either side of each door***) with 8x30mm screws, making sure the beading strips sit flush with the framing.

14x30mm Screws



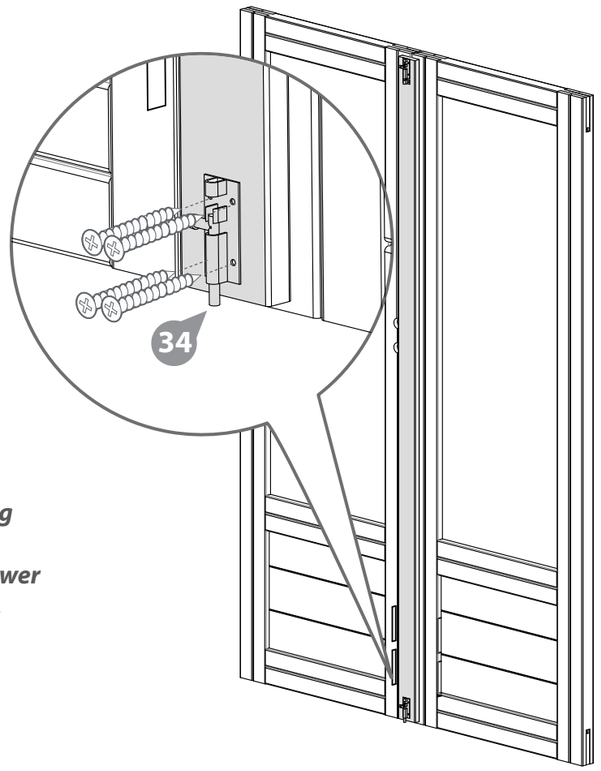






Attach the tower bolts (***No. 36***) to the door bar using the screws provided.

***Ensure the bolts locate into the keeps and the door locks in place properly.**



***Wood is a natural product and is subject to movement with changing weather conditions. It is important that you fit the turn buttons and tower bolts as per the fitting instructions.**

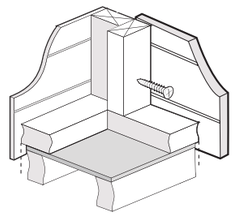
Step 3

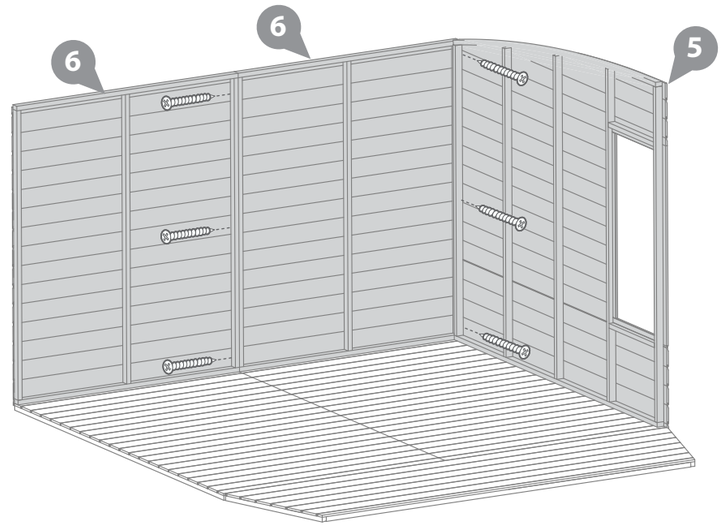
Place the plain sides (***No. 6***) and the first right gable (***No. 5***) onto the floor. connect the 2 plain sides using 3x50mm screws and secure the gable at the corner using 3x60mm screws.

Do **NOT** secure to the floor until the roof has been fitted.

3x50mm Screws
3x60mm Screws







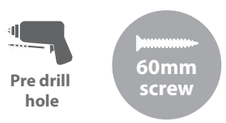
Step 4

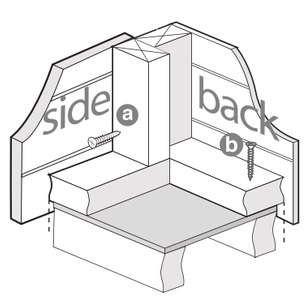
a Fix the left gable (***No. 4***) to the plain side at the corner using 3x60mm screws.

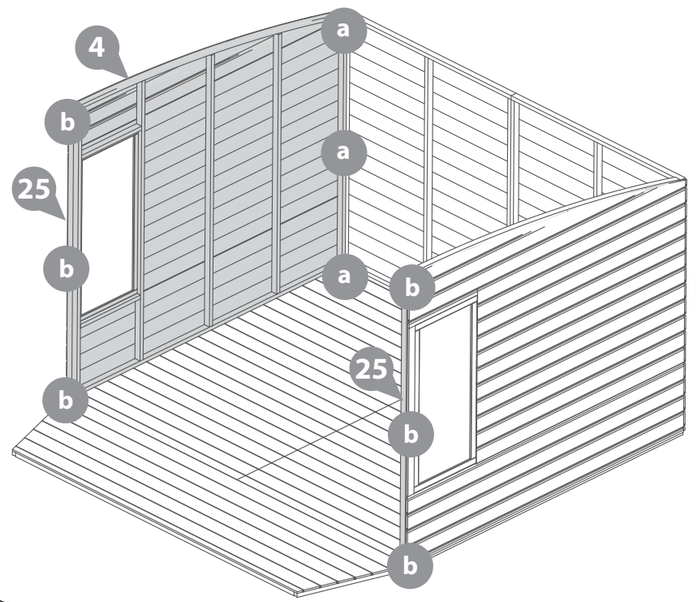
Do** **NOT** **secure to the floor until the roof has been fitted.

b Attach the posts (***No. 28***) to the front of each gable with 3x60mm screws per post.

9x60mm Screws



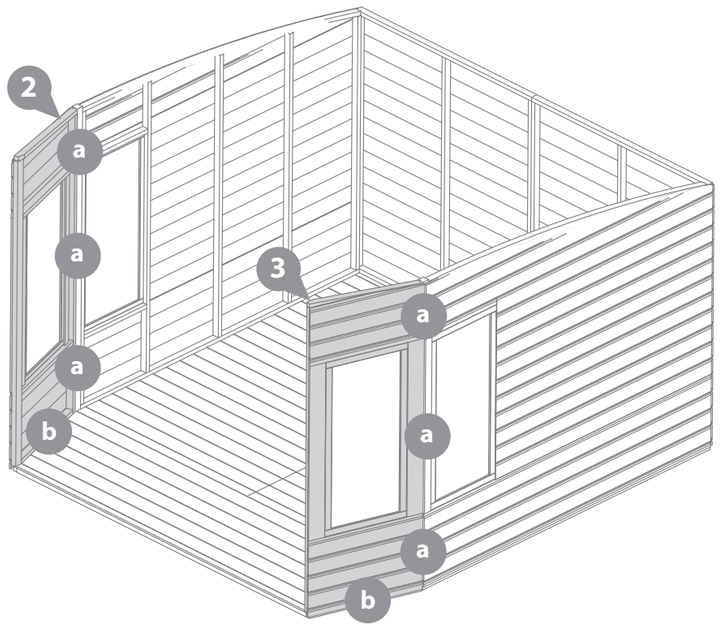




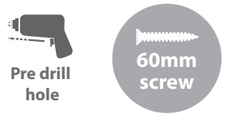
Step 5

a Secure the left (***No. 2***) & right (***No. 3***) window panels to the posts using 3x60mm screws per panel.

b Do **NOT** secure the assembly to the floor until the roof is fitted.



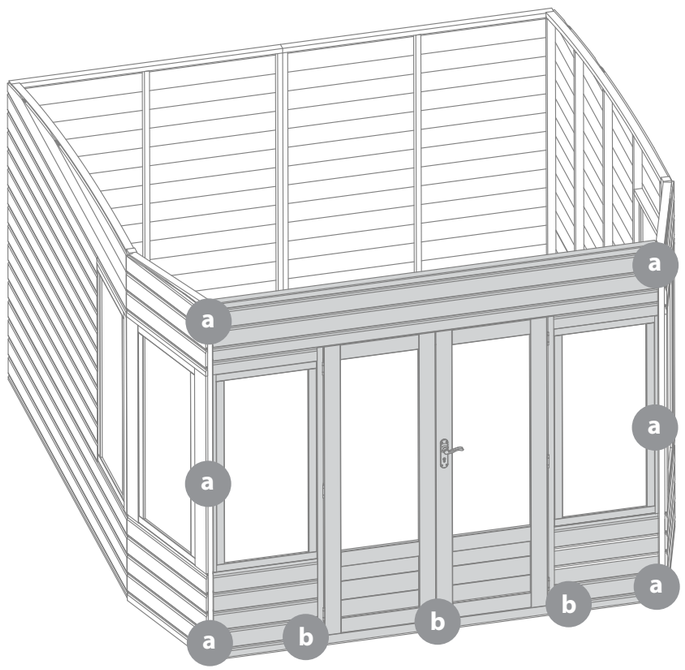
6x60mm Screws



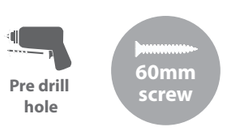
Step 6

a Place the assemble door panel inbetween the left and right window panels, fixing into place using 6x60mm screws.

b Do **NOT** secure the assembly to the floor until the roof is fitted.



6x60mm Screws



Step 6

a Place the first ridge bar (***No. 14***) inside the building and line up with the upright framing on each gable.

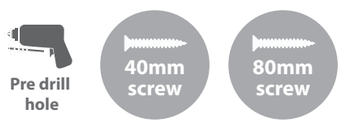
Align the back edge of the ridge bar with the top of the gable. Once in place mark the position on both sides with a pencil.

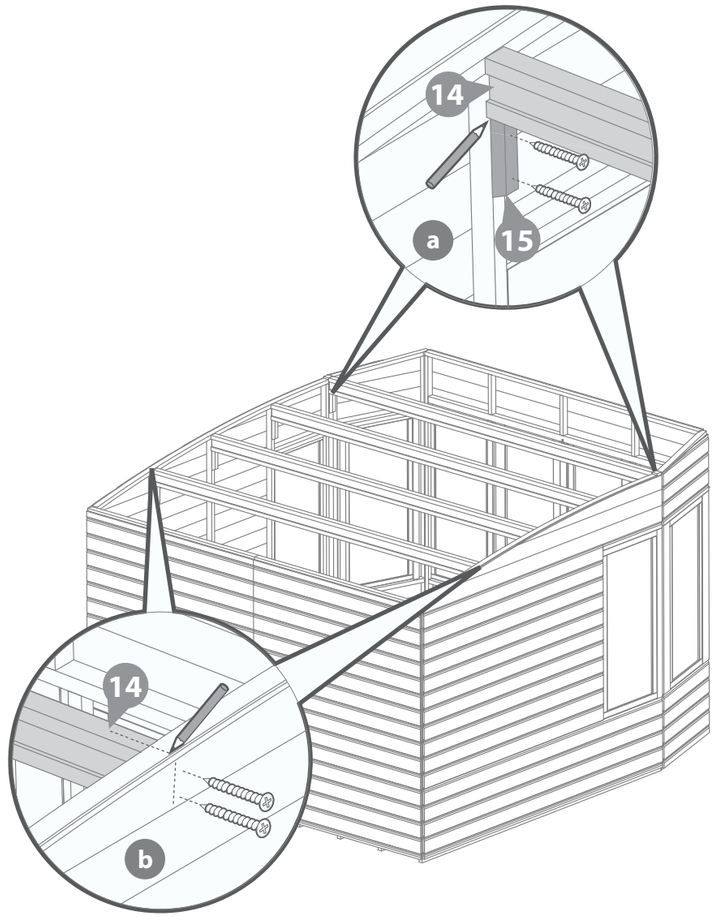
Place the roof support block (***No. 15***) to the pencil mark and secure in place using 2x40mm screws per block.

Repeat this process on both sides with the remaining roof support bars.

b Place the ridge bar(s) (***No. 14***)on top of the attached blocks and secure through the outside of both gables using 2x80mm screws per side.

14x40mm Screws





Hint:** ***When fitting the roof bar pencil mark the centre of the roof support bar and follow down onto the gable at a right angle, this will give you a guide to fix the support bars in place.

Step 8

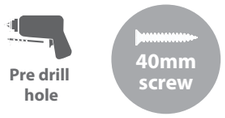
Rest the left roof (***No. 8***) on top of the supports and secure with 20x40mm screws as shown in the illustration.

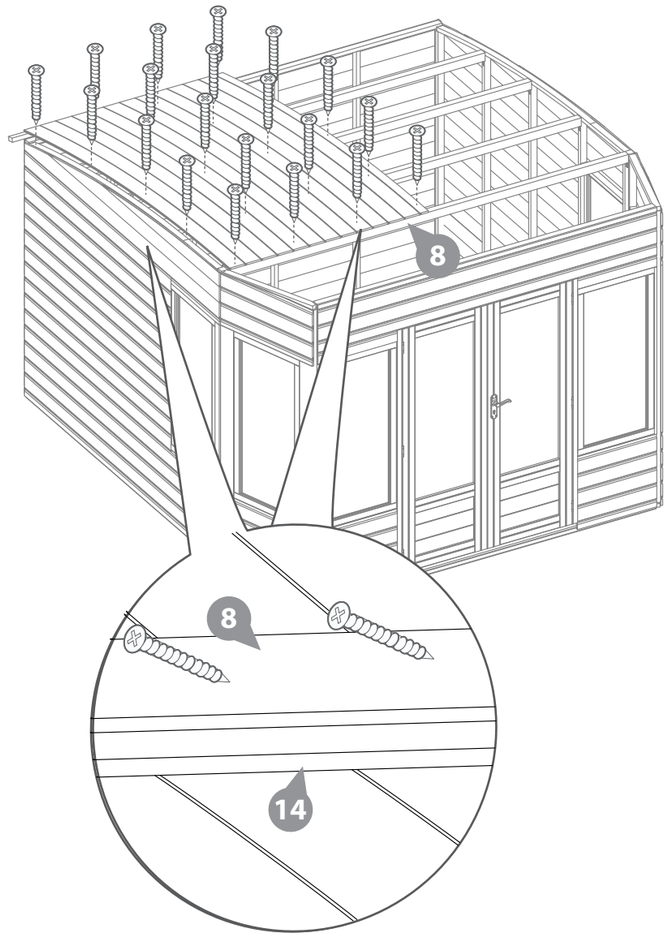
Ensure to align the screws with each roof support bar.

Fix the roof (***internally***) to the roof support bar using 8x40mm screws (***making sure the roof framing sits behind the support bar***) .

Repeat this process with the right roof (***No. 9***), ensuring there is an equal amount of overhang either side of the building.

56x40mm Screws



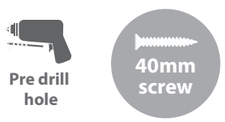


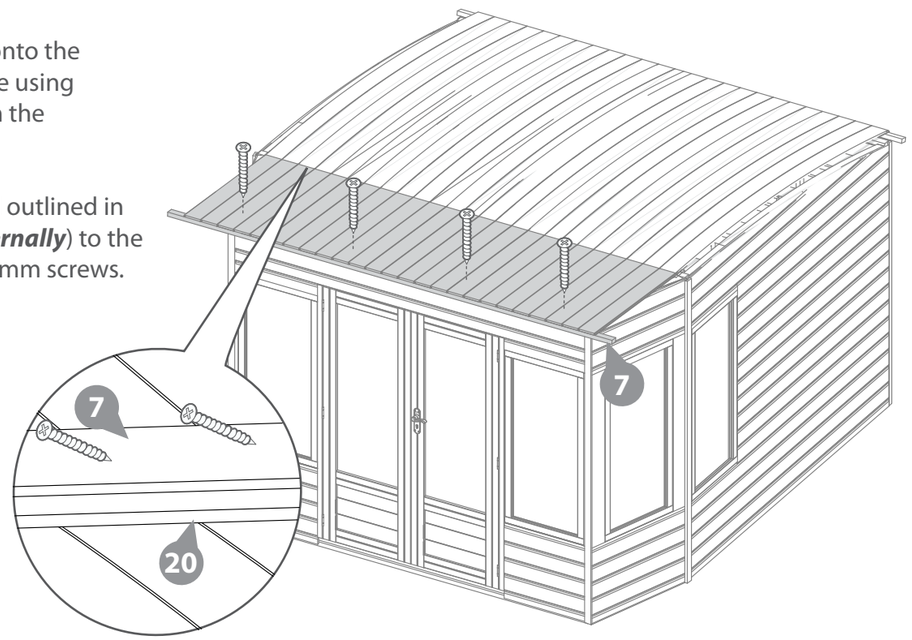
Step 9

Place the front roof (***No. 7***) onto the assembly securing into place using 4x40mm screws as shown in the illustration.

Following the same method outlined in step 8 fix the front roof (***internally***) to the roof support bar using 4x40mm screws.

8x40mm Screws





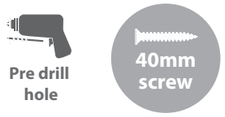
Step 10

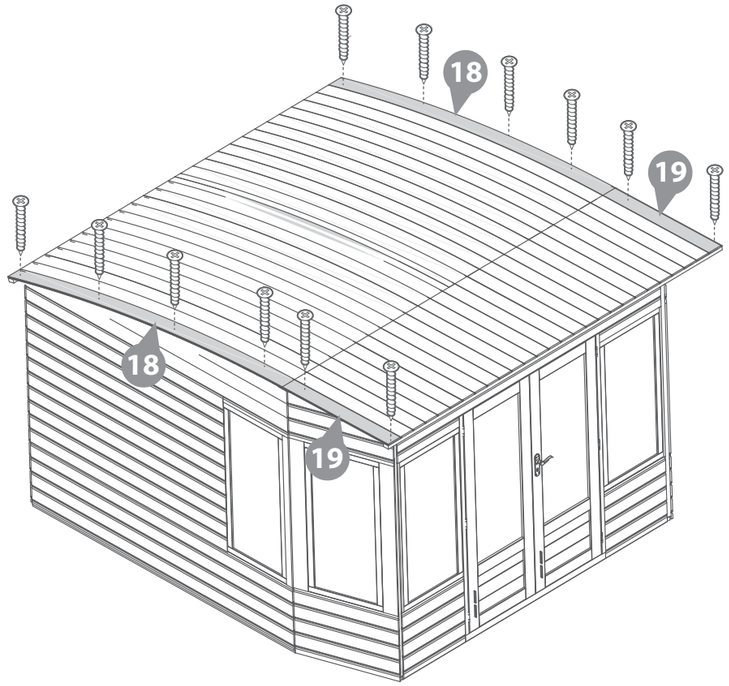
Position the large (***No. 18***) and the small (***No. 19***) roof ends onto the roof.

Ensure the tongue & groove meet and the boards sit flush with the roof framing.

Fix the boards in place using 12x40mm screws, making sure to screw through the roof and gable framing.

12x40mm Screws



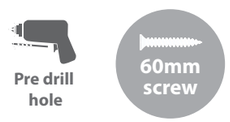


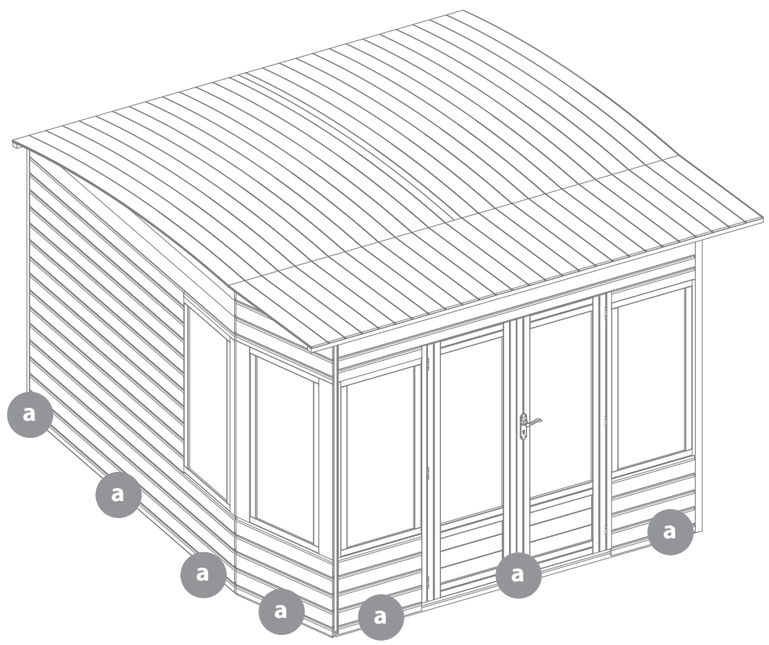
Step 11

a Now the roof has been fitted secure the building to the floor with 36x60mm screws

Ensure to align the screws with the floor bearers.

36x60mm Screws





Step 12

Cut the felt into 4x strips.

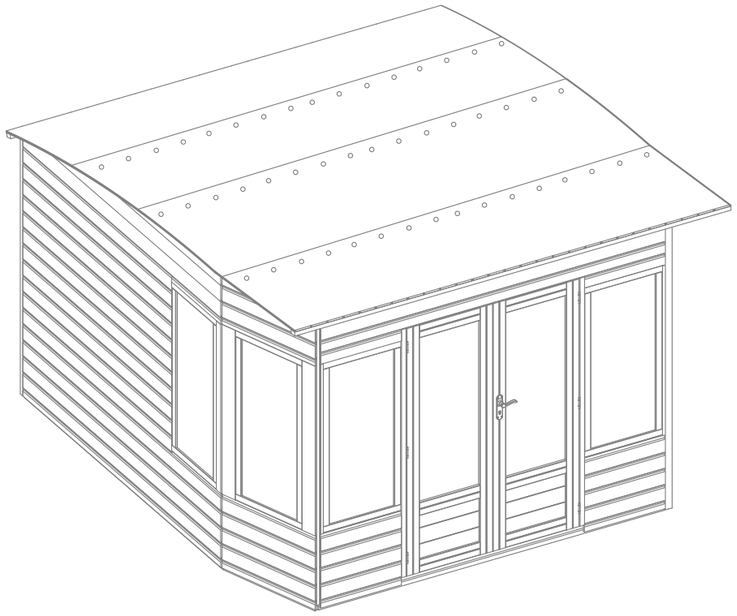
Roll the felt across the roof in the order shown in the illustration, leaving approximatley 50mm of overhang at the front & rear as well as an equal amount either side of the building.

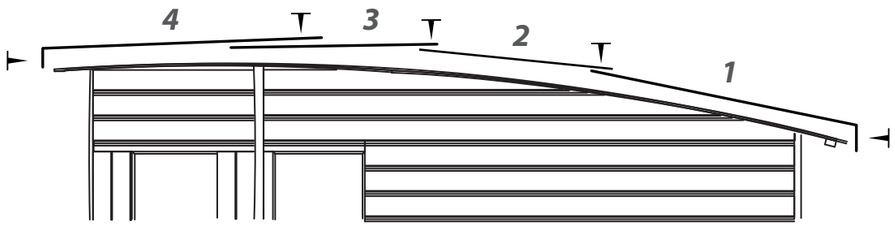
Each sheet needs approximately 50mm of overlap except the last sheet which requires 250mm overlap.

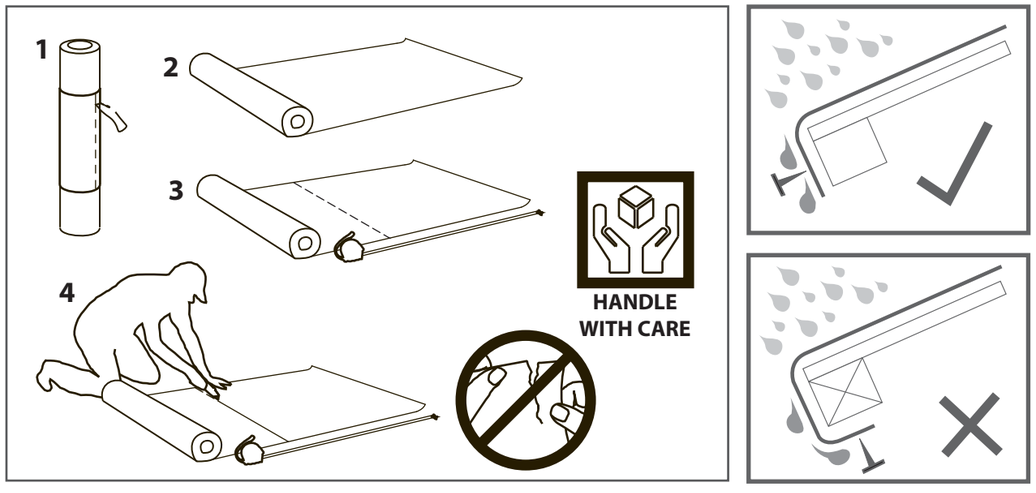
165x Felt Tacks



Felt size: 3140mm





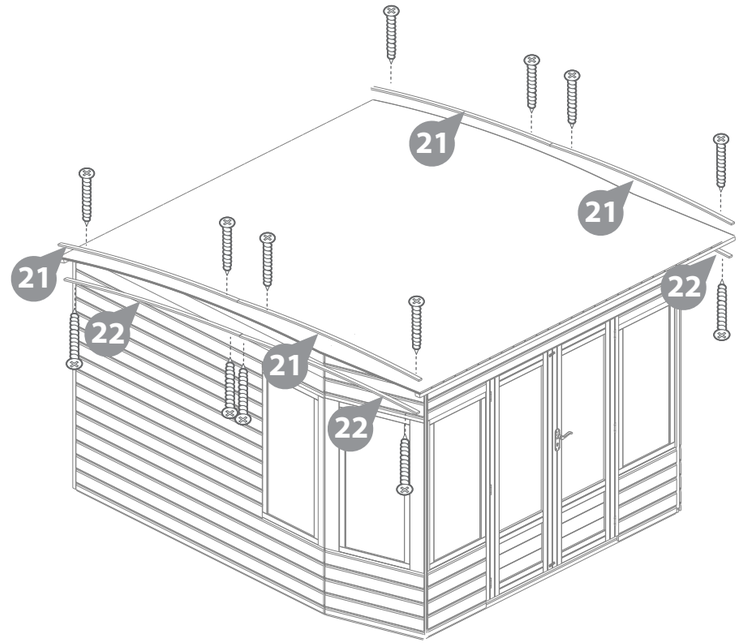


Step 13

To secure the roof felt in place, sandwich the felt between the top (***No. 21***) and bottom (***No. 22***) roof trims as shown in the illustration, fixing into place using 24x30mm screws.

24x30mm Screws



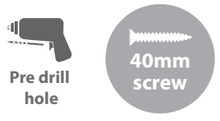


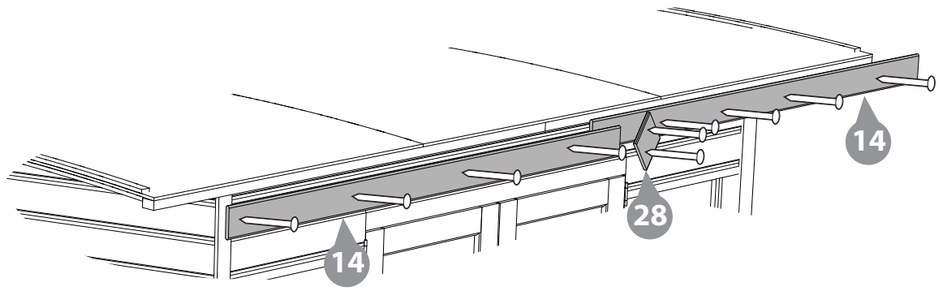
Step 14

Fix the fascia's (***No. 23***) to the front of the building securing each board to the roof framing using 8x40mm screws.

Place the finial (***No. 30***) over the fascia joint and fix into place with 2x40mm screws.

10x40mm Screws



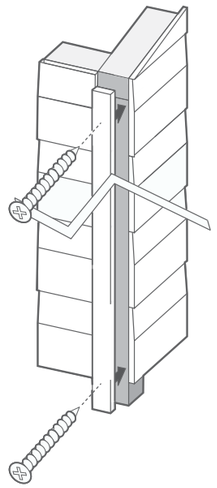


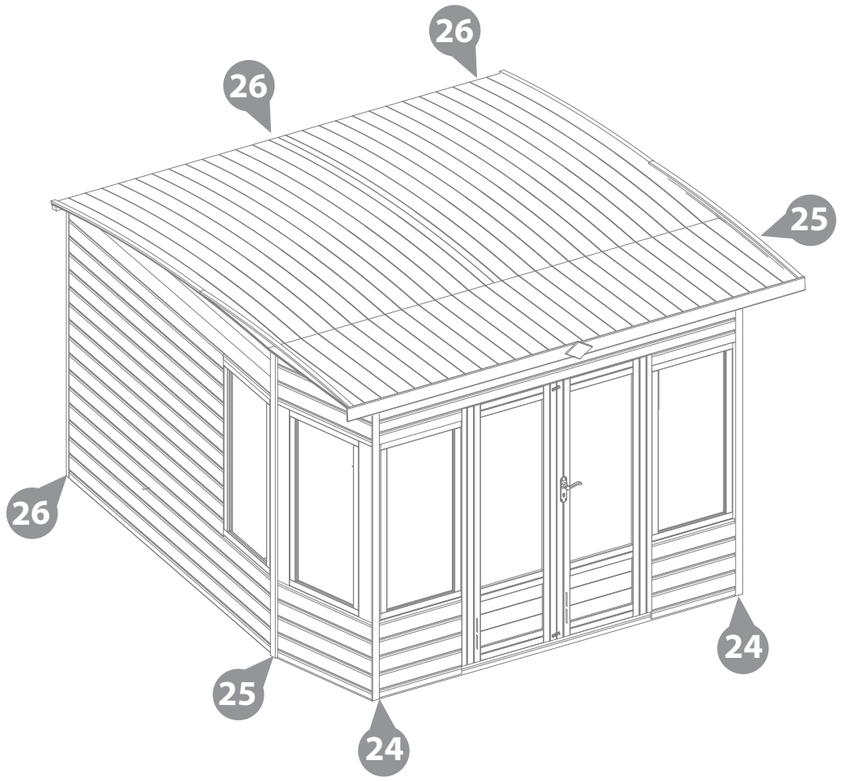
Step 15

Fix the cover trims (***No's. 24, 25 & 26***) around the building across the joints on each panel and at the corners using 3x30mm screws per trim.

21x30mm Screws





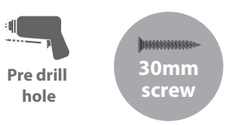


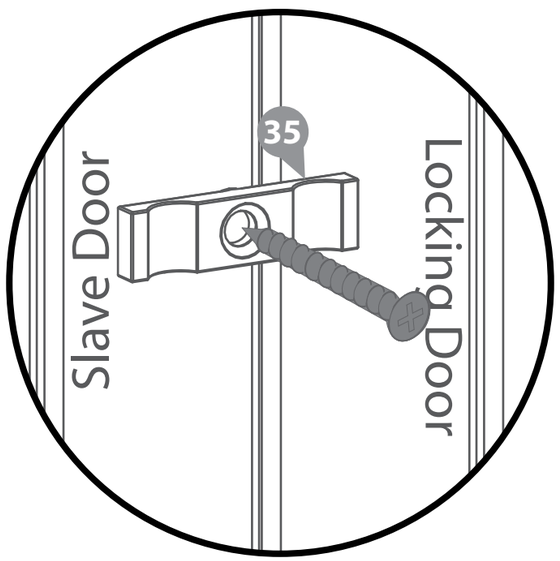
Step 16

Attach the turn buttons (No. 35) to the top & bottom of the slave door using 2x30mm black screws.

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

2x30mm Black Screws





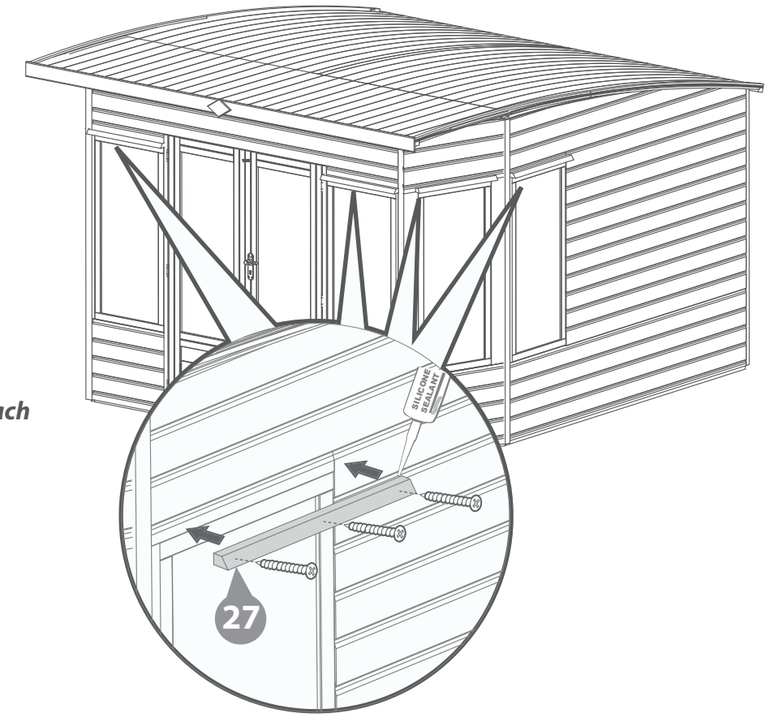
Step 17

Attach the sml rain guards (***No. 17***) centrally above each window using 3x50mm screws per guard.

18x50mm Screws



Hint: Silicone seal the back of each rain guard to help reduce water running behind.



Step 18

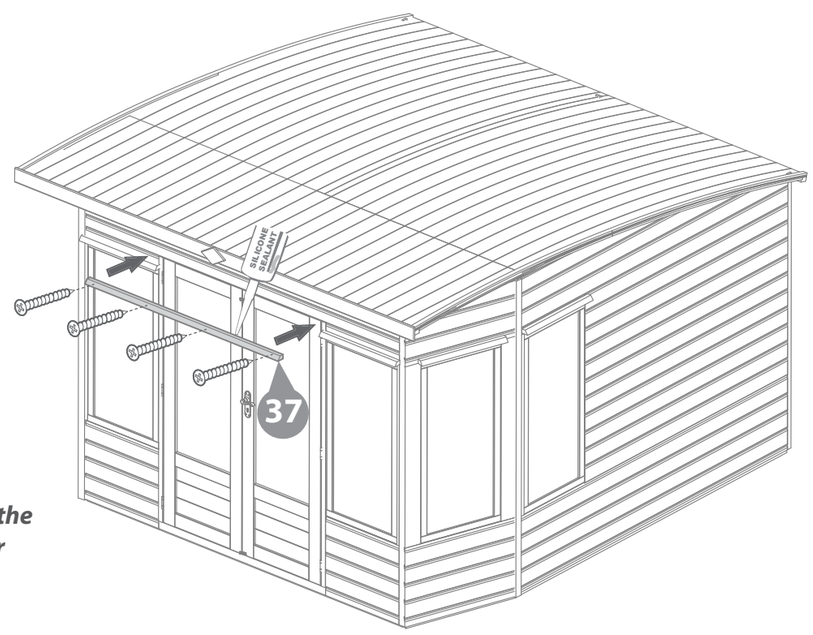
Secure the lrg rain guard (***No. 16***) above the doors, fixing into place using 4x50mm screws.

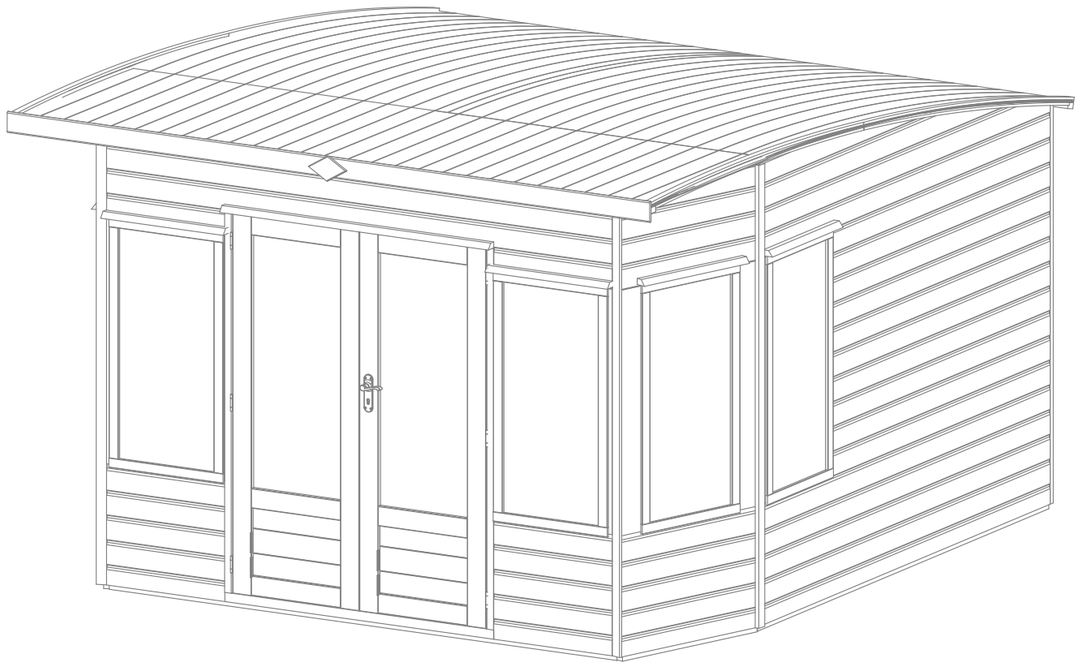
ensure to screw into the framing above door.

4x50mm Screws

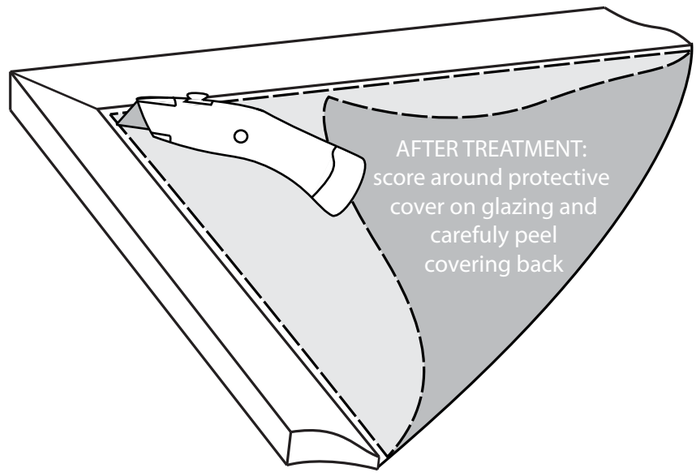


Hint: Silicone seal the back of the rain guard to help reduce water running behind.






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