General Instructions

Please retain product label and instructions for future reference

06LOG018-V1 (3x3.5m)
3x3.5m reverse apex log cabin (T&G roof and floor with single (glass) glazing.

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 use a rubber mallet to fit the log boards. Do **NOT** use a heavy hammer.



Ensure to measure and check before cutting boards.



It is advisable to use a circular saw when cutting roof and floor boards.

For assistance please contact customer care on: 01636 880514

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

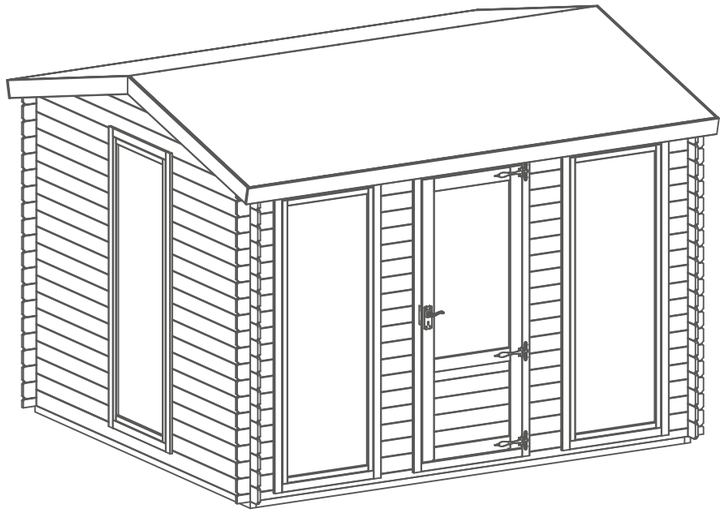
www.merciagardenproducts.co.uk

Overall Dimensions:
Width = 3532mm
Depth = 3139mm
Height = 2600mm

Base Dimensions:
Width = 3304mm
Depth = 2799mm

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

MADE IN GREAT BRITAIN



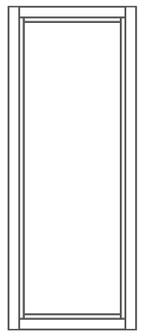
3

1

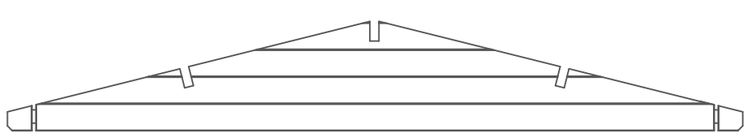


Door

2



Window QTY 3



Log 018 gable - 2996mm QTY 2

4



Starter Board (S1) - 66x19x3500mm QTY 2
LB19RT66-3500mm

5



Log Board (B) - 120x19x295mm QTY 36
LB19-295mm

6



Log Board (C) - 120x19x295mm QTY 36
LB19-295mm (No notch)

7



Log Board (A) - 120x19x3500mm QTY 20
LB19-3500mm

8



Log Board (AR) - 45x19x3500mm QTY 2
LB19RG45-3500mm

9



Log Board (A) - 120x19x2996mm QTY 20
LB19-2996mm

10



Log Board (B) - 120x19x1123mm QTY 36
LB19-1123mm

11



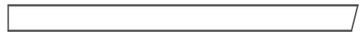
Roof Purlin - 90x40x3504mm QTY 3
F4090-3504mm

12



Eaves Frame - 27x44x3500mm QTY 2
F2744-3500mm

13



Fascia - 120x16x1608mm QTY 4
S16120-1608mm (Angled)

14



Fascia - 120x16x3532mm QTY 2
S16120-3532mm

15



Bearer - 44x44x2799mm QTY 2
F4444-2799mm

16



Bearer - 44x44x3216mm QTY 10
F4444-3216mm

17



Roof Board - 121x16x1600mm QTY 64
MB16-1600mm

18



Floor Board - 121x16x2760mm QTY 30
MB16-2760mm

19



Storm Brace - 27x44x2100mm QTY 8
F2744-2100mm

20

Skirting - 28x28x2400mm QTY 9
FS2828-2400mm

21

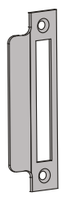
Interior Roof Trim - 27x44x2400mm QTY 5
F2744-2400mm (Bevelled)

22



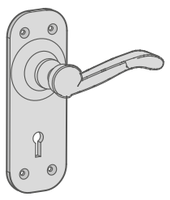
Mortice Lock

23



Key Plate

24



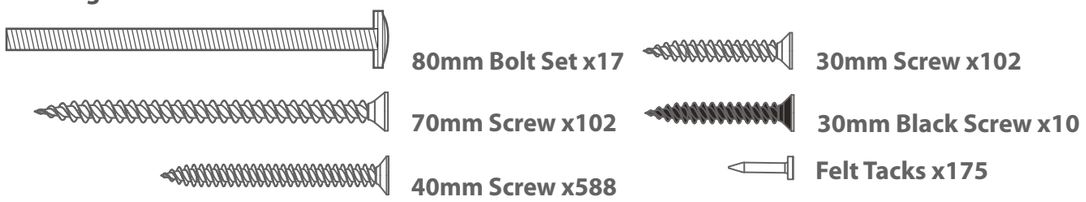
Handles *(Pair)*

25



Felt

Nail Bag



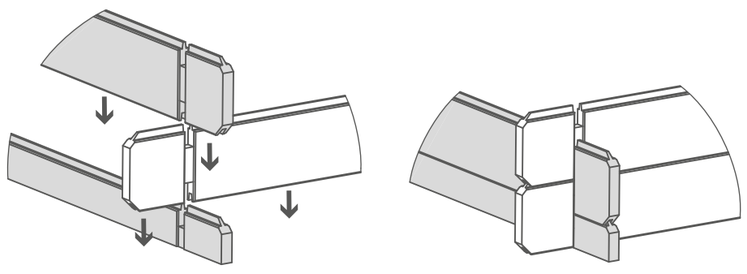
80mm Bolt Set x17
70mm Screw x102
40mm Screw x588
30mm Screw x102
30mm Black Screw x10
Felt Tacks x175

Pre-assembly

Please note:

Each board interlocks at either end in a staggered pattern.

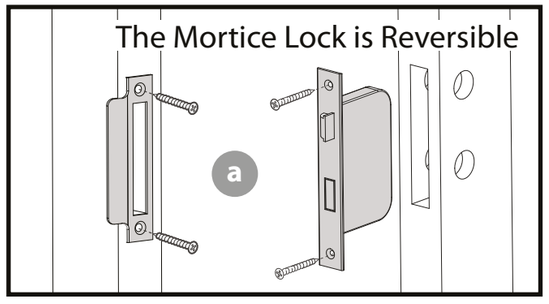
Before securing ensure that the boards are fitted properly in their respective tongue's and groove's.

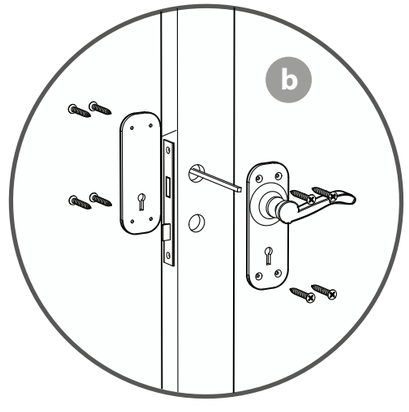


Step 1

a Fit the mortice lock (***No. 22***) into the recess in the door (***No. 1***) and secure using the screws provided. Attach the key plate (***No. 23***) to the framing around the door with the screws provided.

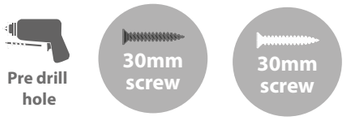
b Connect the door handles (***No. 24***) and the metalbar to the mortice lock using 8x30mm screws. Ensure the lock mechanism closes correctly. If not, remove the lock and turn the catch around using the small grub screw.





***Please note:** This image is for illustrative purposes and may differ from your choice in product (**regarding ironmongery**). Nevertheless the process of fixing the frames is the same.*

8x30mm Black Screws
4x30mm Screws

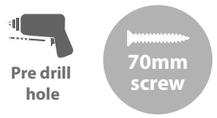


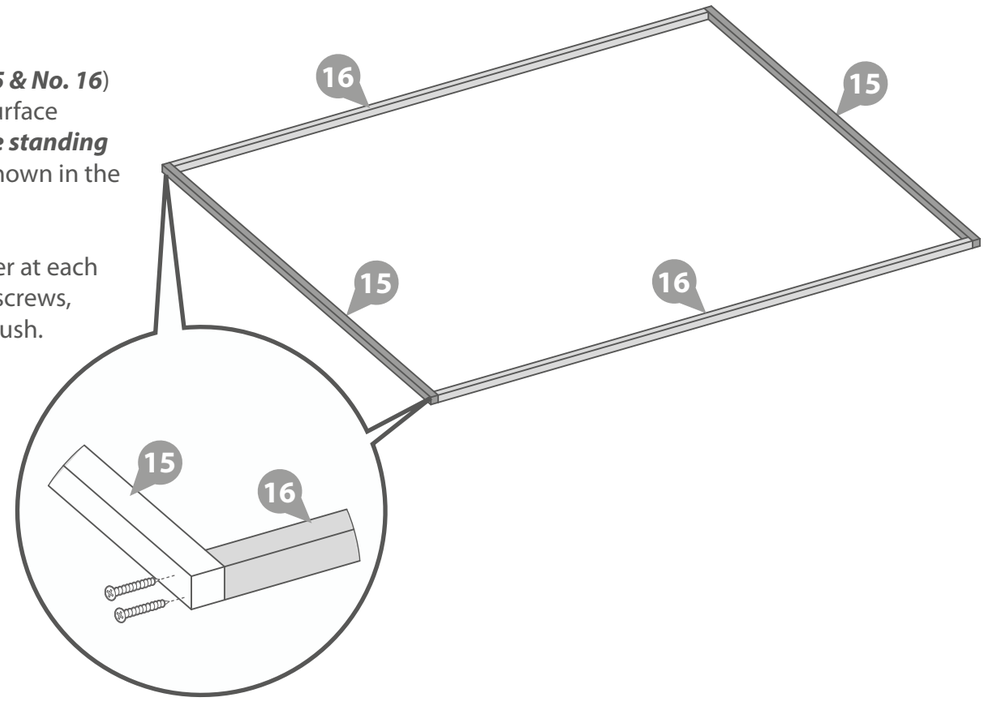
Step 2

Lay the bearer's (***No. 15 & No. 16***) onto a firm and level surface (***free from areas where standing water can collect***) as shown in the illustration.

Fix the framing together at each corner using 8x70mm screws, ensuring the frame is flush.

8x70mm Screws





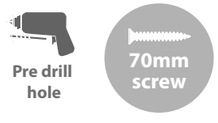
Step 3

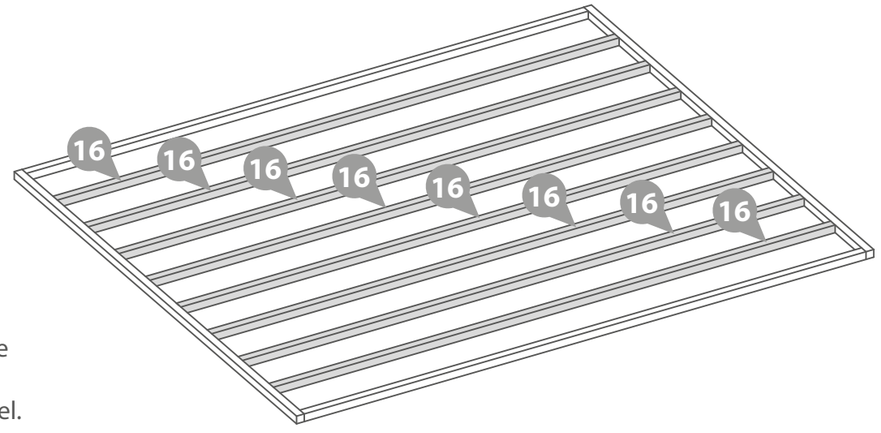
Following the same method outlined in **Step 2**, arrange the remaining framing (***No. 16***) as shown in the illustration.

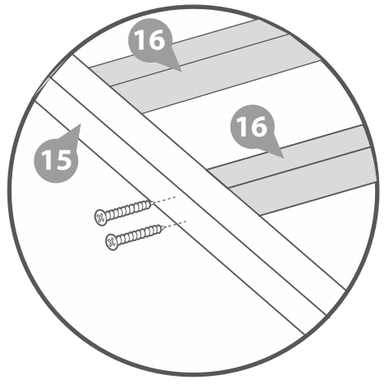
Ensure there is an equal amount of space between each frame.

Secure each of the frames in place using 4x70mm screws per frame, ensuring the framing remains level.

32x70mm Screws





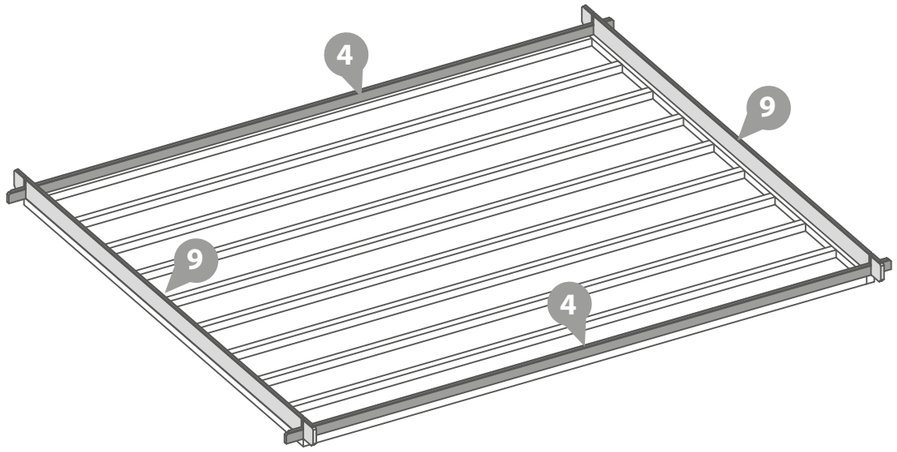


Step 4 *(See Pre-Assembly)*

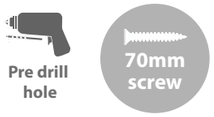
Place the starter boards (***No's. 4 & 9***) on to assembled base frame along the longest sides.

Ensure the notches at either end of each board are flush and level with the ends of the frame.

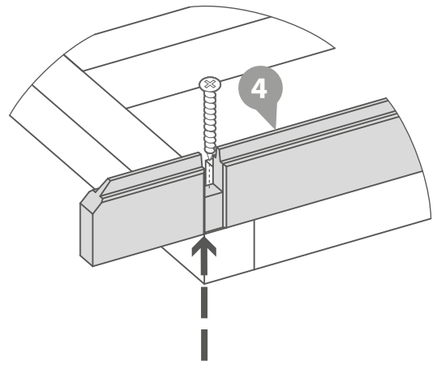
Fix each of the starter boards to the frame by screwing through the notch into the frame as shown in the illustration.



4x70mm Screws



IMPORTANT: ***It is imperative that you pre-drill before fixing screws.***



Step 5 *(See Pre-Assembly)*

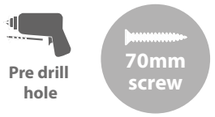
Following the same method outlined in *Pre-Assembly*, lay the first 6 boards (***No's. 5, 6, 7, 9 & 10***) onto the starter boards to create your first level.

Ensure that the boards are level and flush with each other as you lay each one.

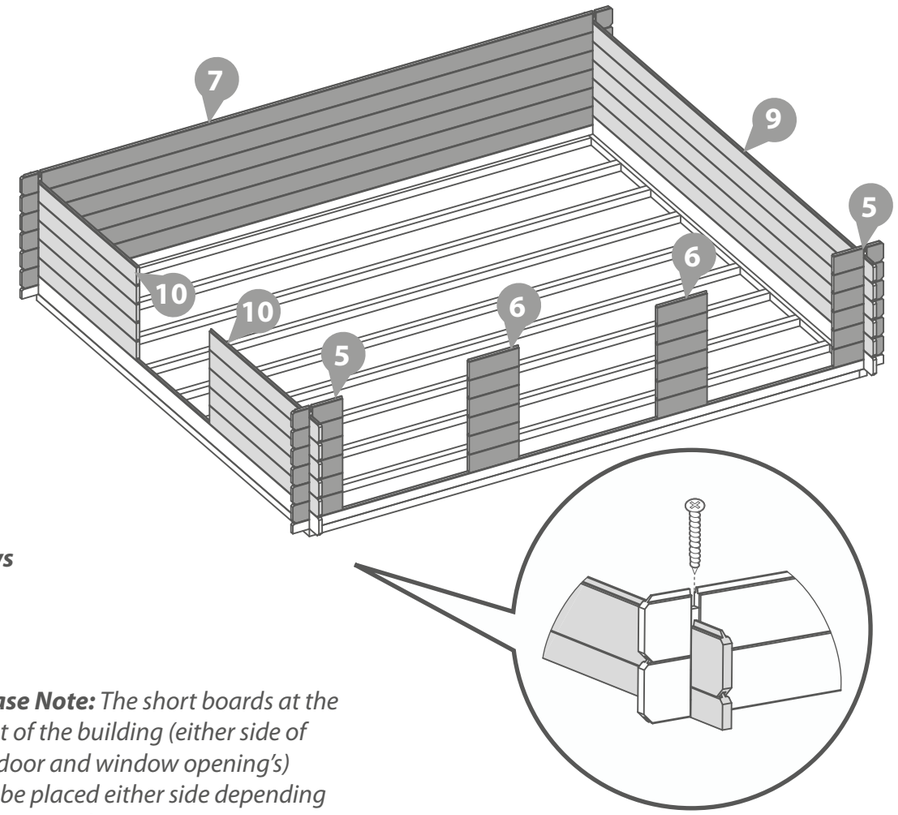
Fix every third board to the one below by screwing through the notch as shown in the illustration using 1x70mm screw per side.

Ensure to stagger the screws so as not to collide with the previous screw.

16x70mm Screws



IMPORTANT: ***It is imperative that you pre-drill before fixing screws.***

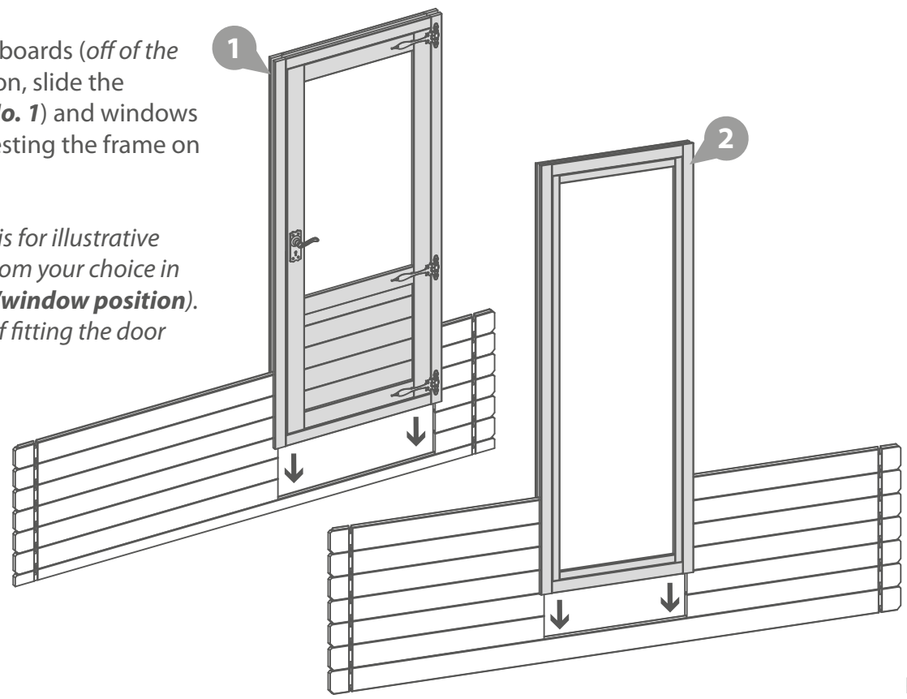


Please Note: *The short boards at the front of the building (either side of the door and window opening's) can be placed either side depending on your needs.*

Step 6

Once you have laid 6 log boards (*off of the starter*) up the door section, slide the assembled door frame (***No. 1***) and windows (***No. 2***) over the boards resting the frame on top of the starter boards.

****Please note:*** *This image is for illustrative purposes and may differ from your choice in product (**regarding door/window position**). Nevertheless the process of fitting the door frame is the same.*



Step 7 *(See Pre-Assembly)*

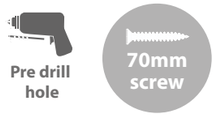
Following the same method outlined in *Pre-Assembly*, lay the remaining boards (***No's. 5, 6, 7, 10 & 11***) onto the assembly to create your second level.

Ensure that the boards are level and flush with each other as you lay each one.

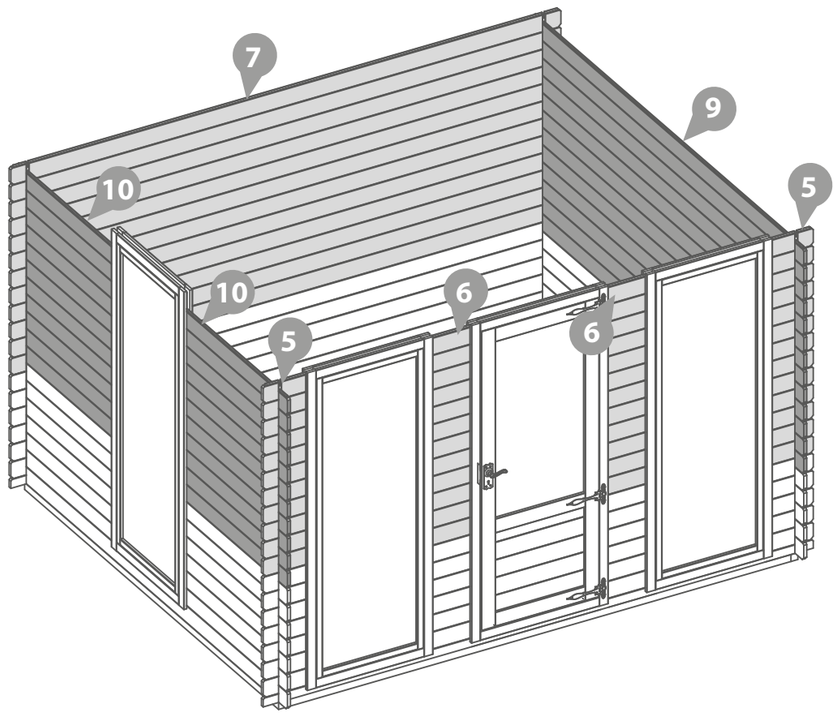
Fix every third board to the one below by screwing through the notch as shown in the illustration using 1x70mm screw per side (*as outlined in Step 7*).

***Ensure to stagger the screws so as not to collide with the previous screw.**

20x70mm Screws



IMPORTANT: ***It is imperative that you pre-drill before fixing screws.***



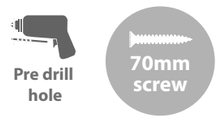
Step 8 *(See Pre-Assembly)*

Place the last two log boards (***No. 7***)onto the front and back of the building (*above the door*) and then place the gable tops (***No. 3***) onto the assembly.

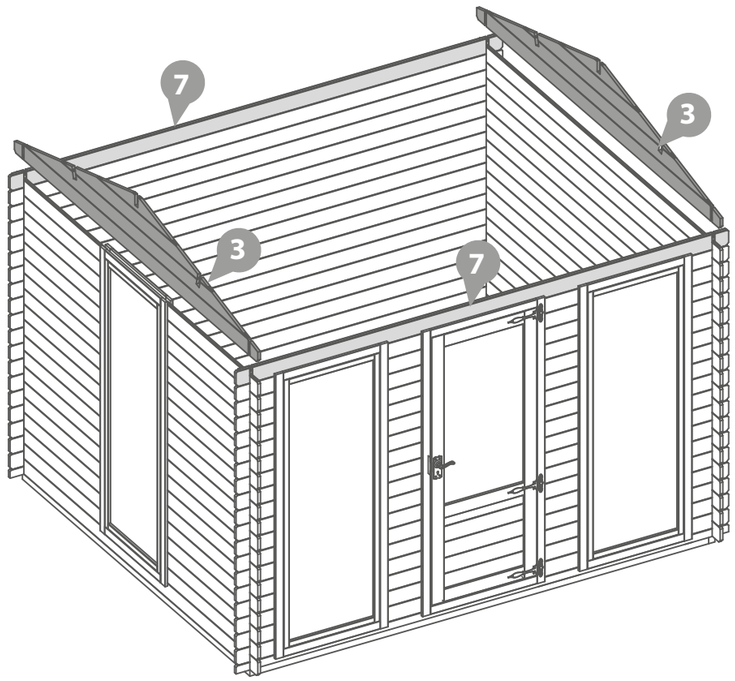
Fix into position by screwing through the notches as shown in the illustration.

Ensure that the boards are level and flush with each other as you lay each one.

4x70mm Screws



IMPORTANT: ***It is imperative that you pre-drill before fixing screws.***

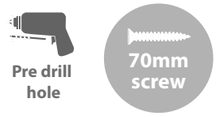


Step 9 *(See Pre-Assembly)*

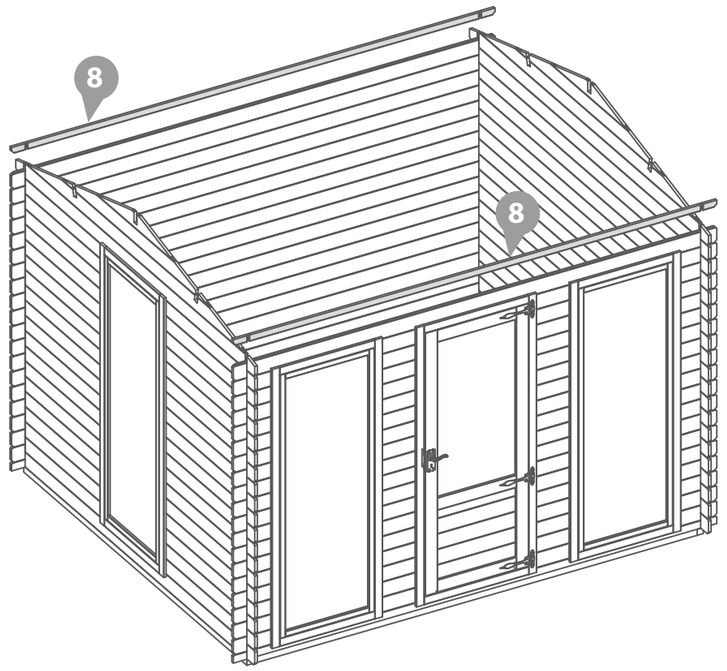
Once the gables are in position place log board *AR* (***No. 8***) onto the front and rear of the building, fixing into position by screwing through the notches as shown in the illustration.

Ensure that the boards are level and flush with each other as you lay each one.

4x70mm Screws



IMPORTANT: ***It isimperative that you pre-drill before fixing screws.***

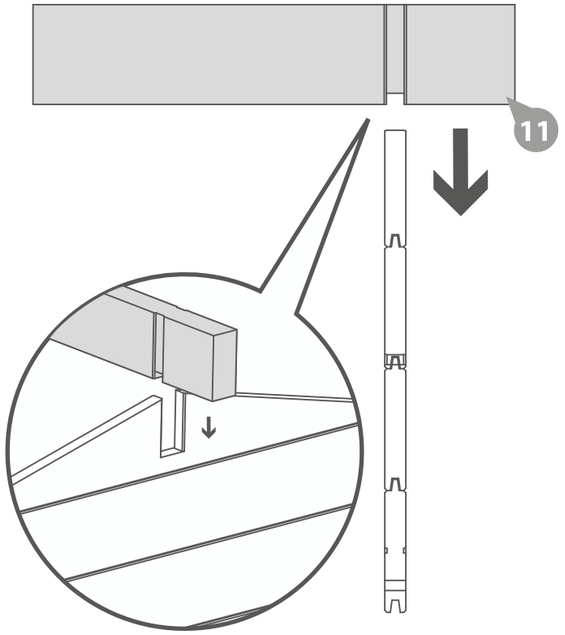


Step 15: Ridge Bar Fit

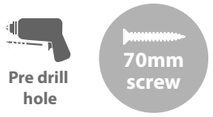
Align the ridge bar(*s*) (***No. 11***) into the cut out slots on each gable top ensuring each ridge bar interlocks the boards.

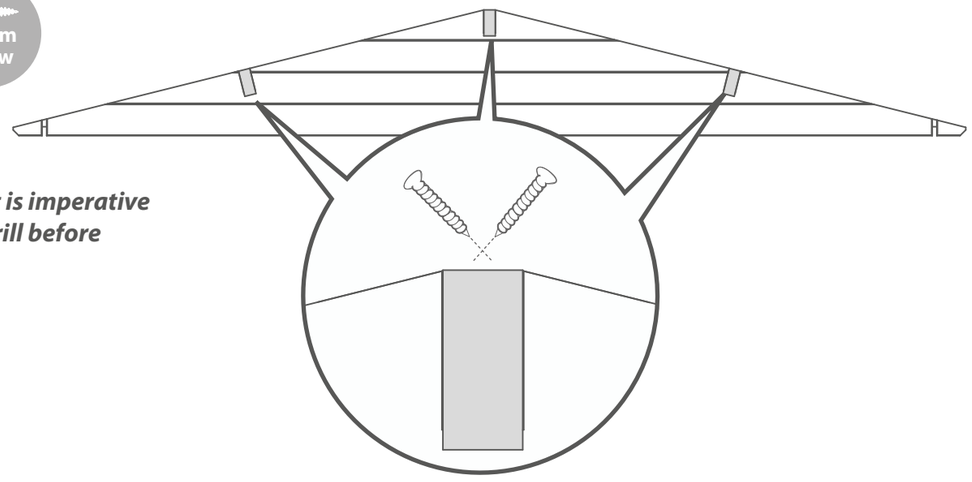
Secure the ridge bars at each end by screwing through the bars into the boards (***ensure to pre-drill to avoid the boards splitting***) using 4x70mm screws per ridge bar.

***Please note:** The gable shown is for illustrative purposes and may differ in width from your choice in product. Nevertheless, despite any differences the process of fixing the ridge bars is the same.*



12x70mm Screws





IMPORTANT: ***It is imperative that you pre-drill before fixing screws.***

Step 10

Place the first two roof board's (***No. 17***) onto the assembly on each side, making sure the boards are flush to the end of the roof purlin. Once in position fix to each purlin using 3x40mm screws.

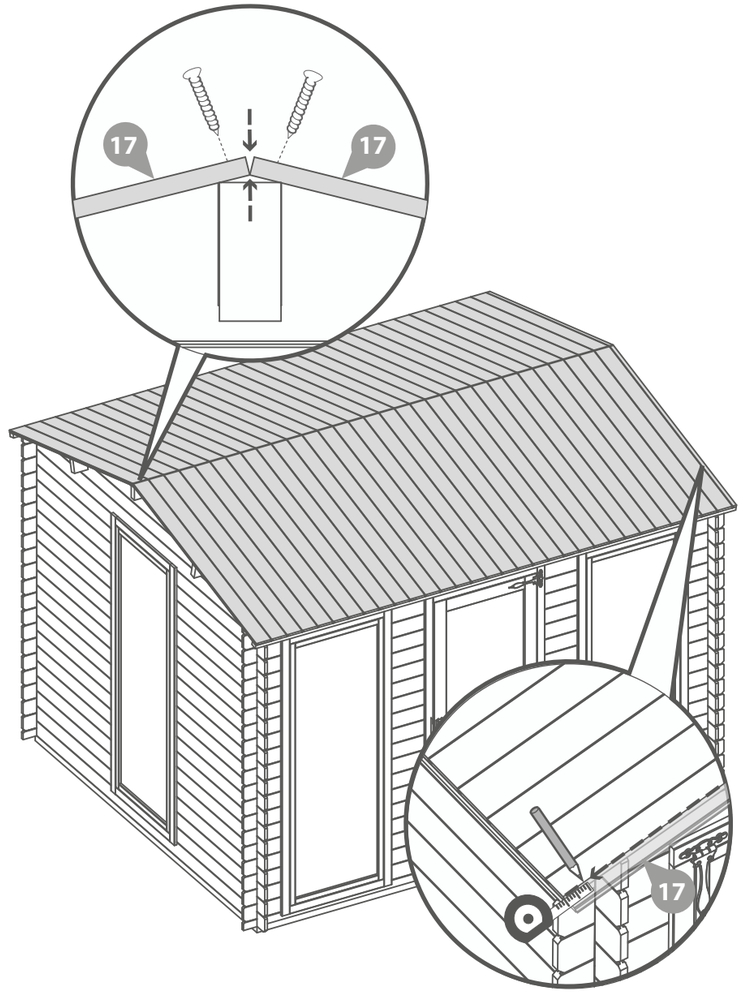
Ensure the roof boards meet at the top of the apex and leave an overhang at the bottom.

Continue adding the roof boards along the roof, fixing each one into position using 3x40mm screws, making sure that each board is interlocked, flush at the bottom & meet at the top of the apex.

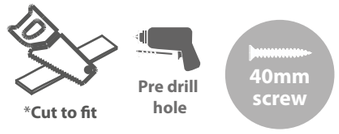
The last board on each side will overhang: Using a staight edge and a pencil mark out a line as a guide.

Cut along the pencil mark and remove the excess. Place the cut down board's back onto the roof and secure into place using 3x40mm screws per board.

***Please Note:** This image is for illustrative purposes and may differ from your choice in product. Nevertheless the process of cutting and fitting the last roof boards is the same.*



192x40mm Screws

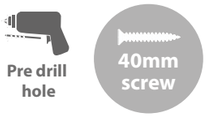


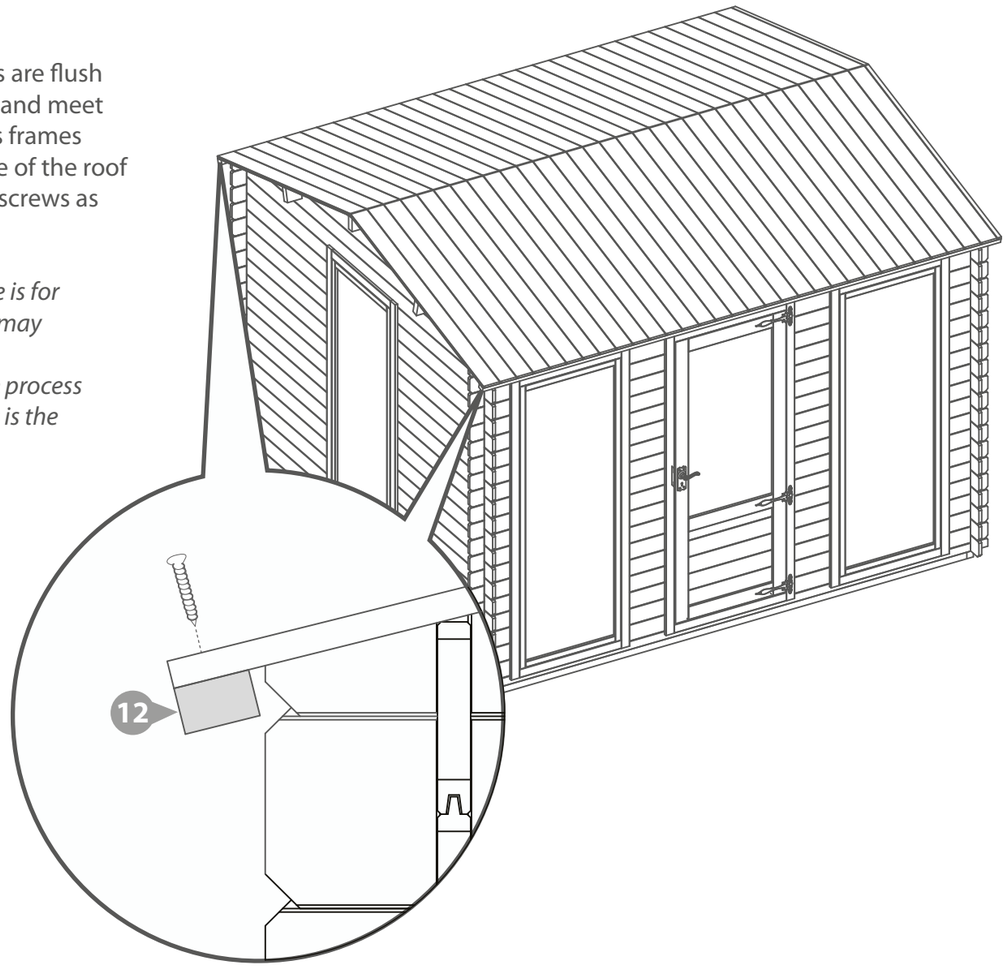
Step 11

Ensuring the roof boards are flush at the overhanging side and meet at the apex, fix the eaves frames (***No. 12***) to the underside of the roof boards using 12x40mm screws as shown in the illustration

***Please Note:** This image is for illustrative purposes and may differ from your choice in product. Nevertheless the process of fixing the eaves frames is the same.*

24x40mm Screws





Step 12

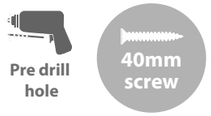
Place the first floor board (***No. 18***) inside the building flush to the log board on one side. Continue adding the floor boards (*internally*) making sure to interlock each individual board.

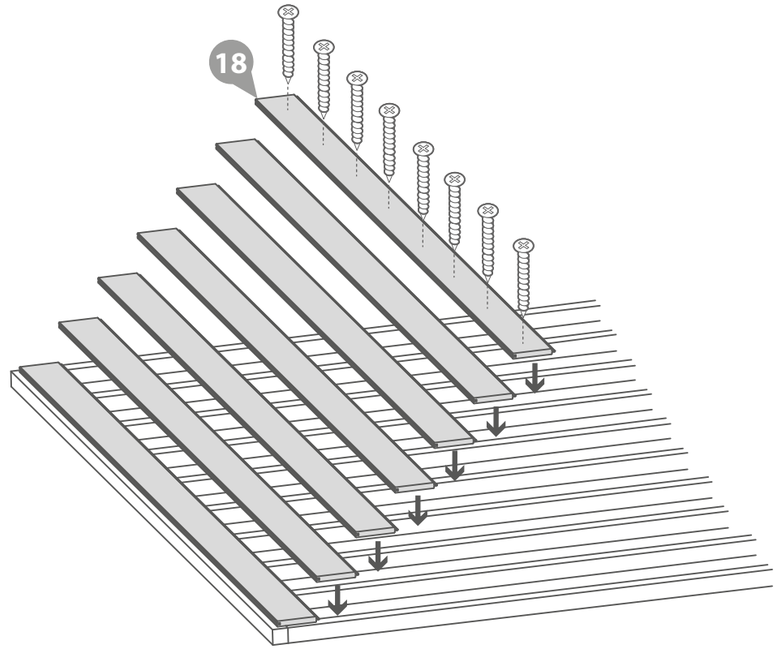
Do NOT secure the boards until the last board has positioned.

Ensure there is an equal amount of space either side of the floor boards before securing.

***Please Note:** Ensure to screw through eachof the floor boards into the floor bearers.*

300x40mm Screws





Step 13

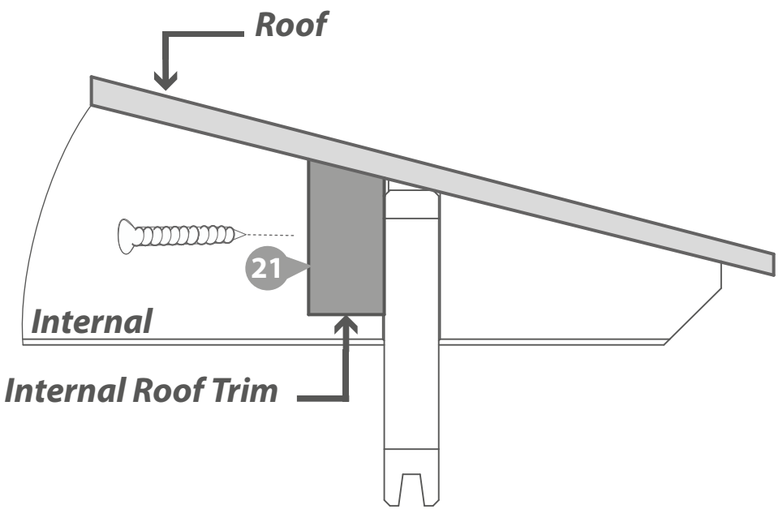
Inside the building place an internal roof trim (***No. 21***) against the boarding and align with the roof as shown in the illustration, ensuring the angled face follows the roof line.

Once in position fix each roof trim into place using 40mm screws per roof trim, equally spaced along the face of the board.

24x40mm Screws



***Measure and cut the interior roof trims to fit the internal space.**



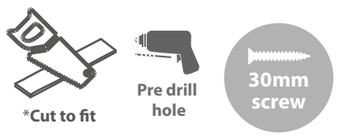
Step 13

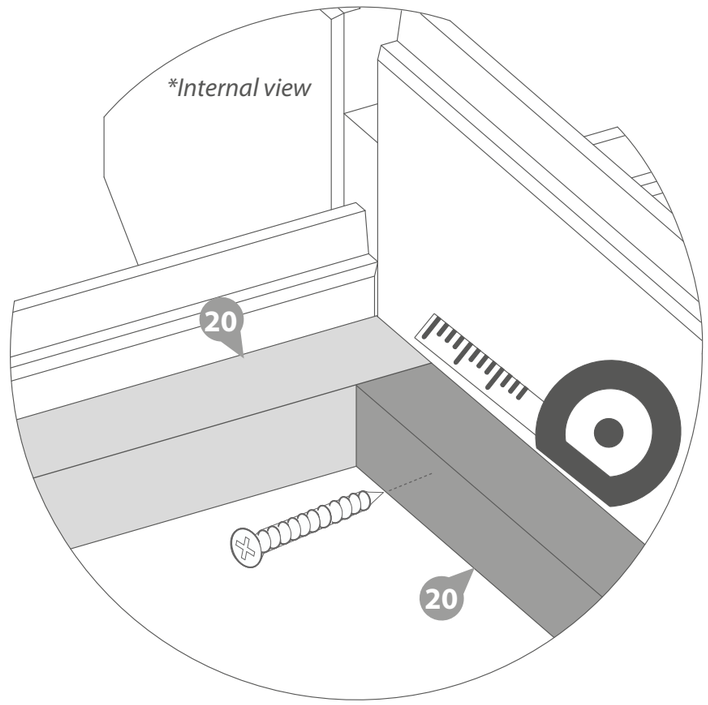
Once the floor has been laid arrange the skirting (***No. 20***) around the outside edge of floor (***internally***), measure and cut down accordingly to best match the internal space.

Secure each skirting section into place using 30mm screws spaced equally along the board as shown in the illustration.

Do NOT fix the skirting to the floor sheets/boards.

96x30mm Screws





Step 14

Cut the felt into five & strips lay onto the roof in the order shown in the illustration.

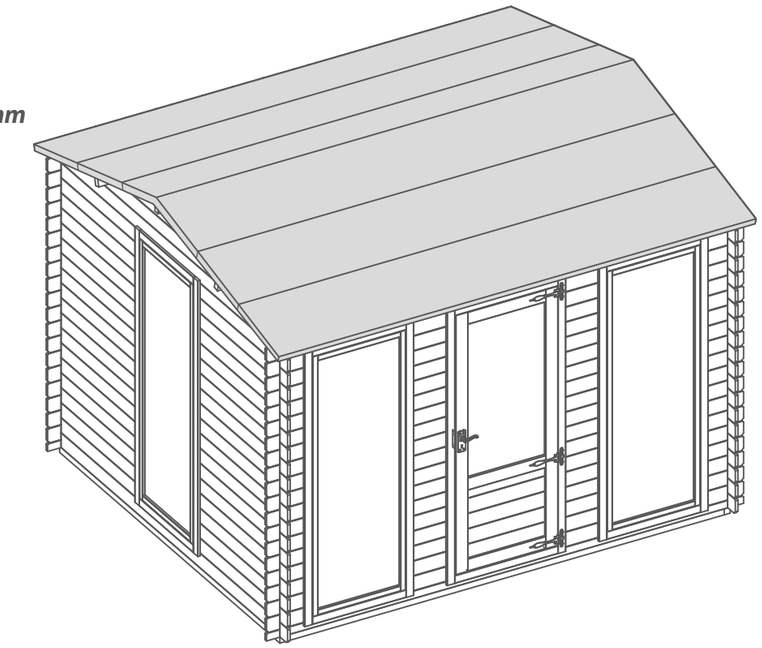
Ensure there is approximately 50mm of overhanging felt each side.

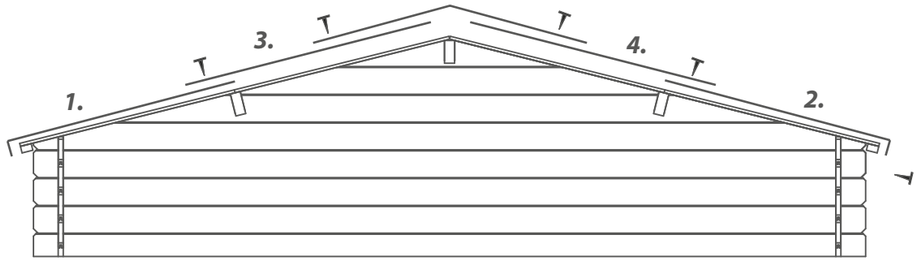
Once the felt is laid out fix to the roof using felt tacks at 100mm intervals.

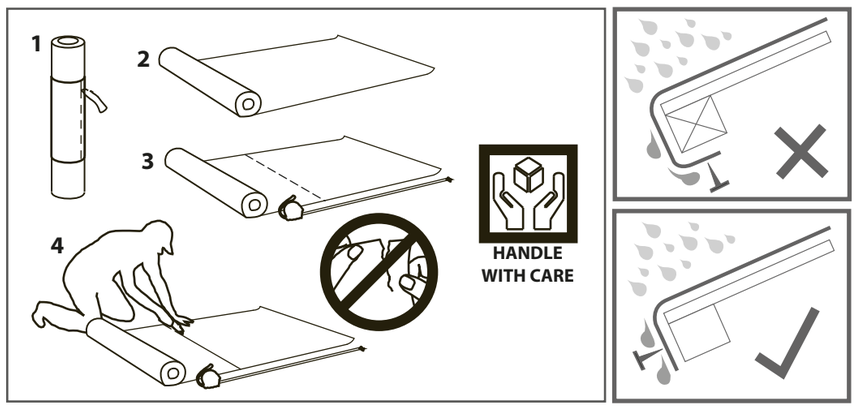
Felt size: 3624mm

170x Felt Tacks









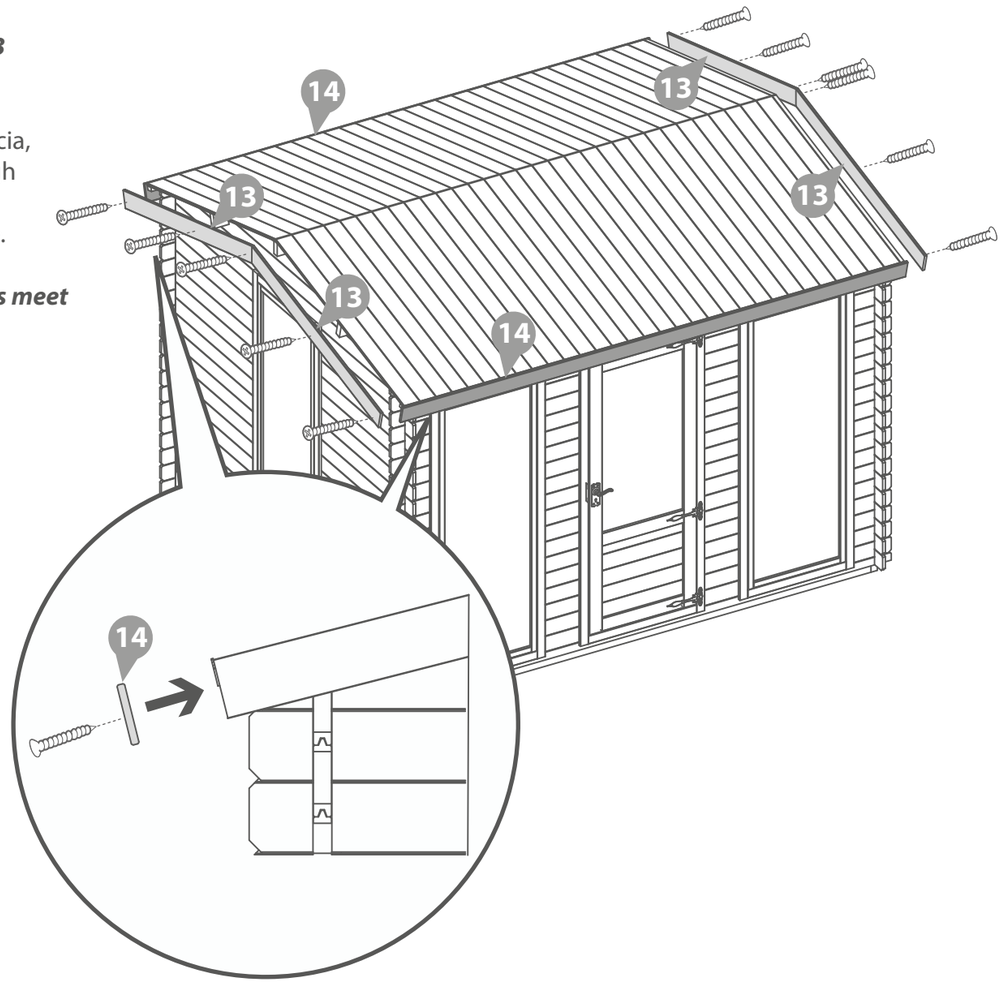
Step 15

Align the fascia's (***No. 13 & 14***) with the roof and fix into place using 3x40mm screws per fascia, making to screw through the fascia into the roof purlins and eaves frame.

Ensure the angled cuts meet at the top of the apex.

36x40mm Screws





Step 30

Arrange the storm braces (***No. 19***) around the building (***internally***). Place 2x storm braces per side fixing into place using 2x 80mm bolts per brace making sure the washer & nut are tightened from the outside of the building.

***Ensure the storm braces are secured at the highest point possible on each side.**

****Storm braces will help your building expand and contract properly.**

*****It is imperative that each bolt is tightened using a washer so as not to damage the log boards.**

16x80mm Bolt Sets

