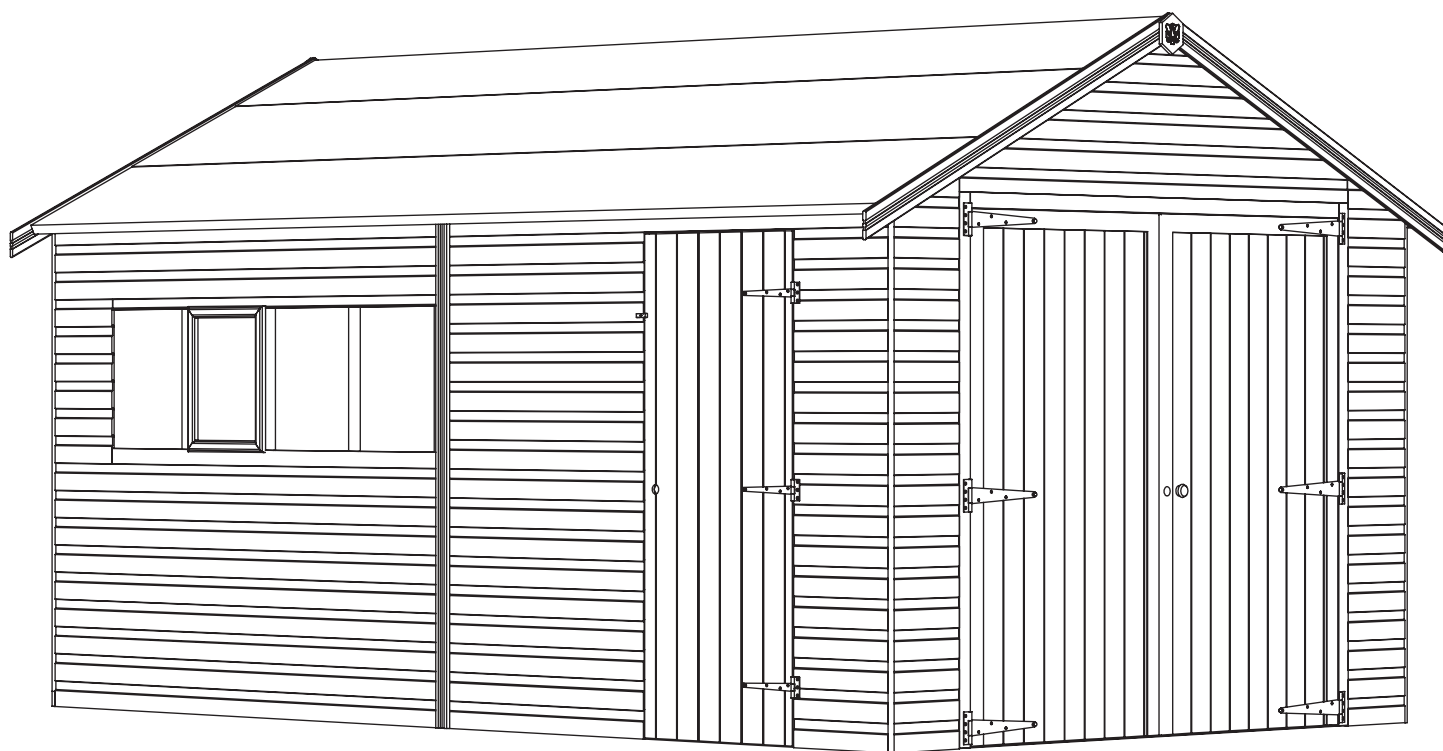# TIGER WOODEN GARAGE

GENERAL ASSEMBLY INSTRUCTIONS

tiger®

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).
- 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 wooden 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 mitigated. 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.
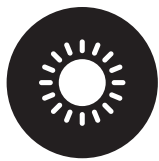
SUMMER CONTRACTION	**WINTER EXPANSION**	**WOOD WARPING MAY OCCUR**

To validate your guarantee and ensure longevity of the product, it is ESSENTIAL that your building is treated with an appropriate high-quality oil or solvent based preservative AFTER assembly, both internally and externally, and annually thereafter. All glazing units must be sealed (internally and externally) with silicone or other watertight sealant.

BUILDING A BASE

Care must be taken to ensure the product is placed on a suitable 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 firm and level and is built on firm ground, to prevent distortion.
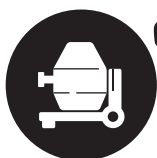The constructed base must be at least the size of product as referenced in supplied construct diagram. It is also recommended that the floor be at least 25mm above the surrounding ground level to avoid flooding.

TYPES OF BASE

- Durable plastic grid*.
- Concrete 75mm laid on top of 75mm hard-core.
- Slabs laid on 50mm of sharp sand.
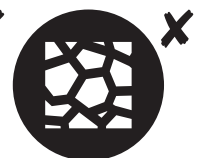- Timber Base - Self constructed/Buy pre-made.

PLASTIC BASE ✓	**CONCRETE BASE** ✓	**SLAB BASE** ✓	**TIMBER BASE** ✓		**BROKEN SLABS** ✗	**BARE SOIL** ✗	**LOOSE GRAVEL** ✗

We recommend a Fastfit EcoBase for your building. It is durable, lightweight, flexible and easy to put in place.
Please see tigersheds.com for details.

CAUTION:
All buildings should be erected
by two competent adults.

CAUTION:
It is advisable to wear gloves
during building installation.

The mark of
responsible forestry

FSC ® C125286

MADE IN THE UK SINCE 1913.
We have been making our high quality,
great value garden buildings here in
Britain for decades.

*TigerSkin® Water Based Treatment:

The unique formula of our **TigerSkin®** pre-treatment provides a reassuring layer of protection for your shed or summer house. Each panel is carefully dipped and dried to provide maximum coverage and ensure that your building will have protection from the moment it arrives and is assembled. A water repellent formula which is harmless to plants, not only does it help to shield the timber, it also gives it a warm tone that looks great on your property. Once erected, your building should be treated annually, both internally and externally with an appropriate high-quality oil or solvent based preservative.

Whilst all products manufactured are made to the highest standards of safety, we cannot accept responsibility for your safety whilst erecting or using this product.

TOOLS REQUIRED:

We recommend using the following tools (not supplied):

HAMMER   **RUBBER MALLET**   **DRILL**   **LADDER**   **TAPE MEASURE**   **SHARP KNIFE**   **SPIRIT LEVEL**

SCREWDRIVER +   **WOOD SAW**   **SPANNER**

FIXING KIT GUIDES:

FX06 - NAIL KITS HEAVY DUTY
For Heavy Duty Shed Products:

CN13 Clout Nails *(13mm Galvanised - QTY 450)*

PP25 Panel Pins *(25mm - QTY 200)*

N40 Nail *(40mm Galvanised - QTY 85)*

N65 Nail *(65mm Bright - QTY 20)*

N100 Nail *(100mm Bright - QTY 100)*

CB100 Coach Bolts *(100mm - QTY 8)*

GARAGE DOOR LOCK AND HANDLE PACKS SUPPLIED IN POLYTUBE

BUILDING PACK CONTENTS:

For full details of what should be included please see the itemised packing list that is supplied with the delivery. They are also available on request in pdf form from our helpful Customer Support team – please call: **0113 205 4189** or use the "Items Delivered Query" form at **tigersheds.com/contact**.

REMOVE TRANSPORT BLOCKS

- Make sure transport blocks have been removed from side panels before assembly. *(Detail 1)*
  NOTE: HAMMER OFF SIDEWAYS. DO NOT PRISE OFF
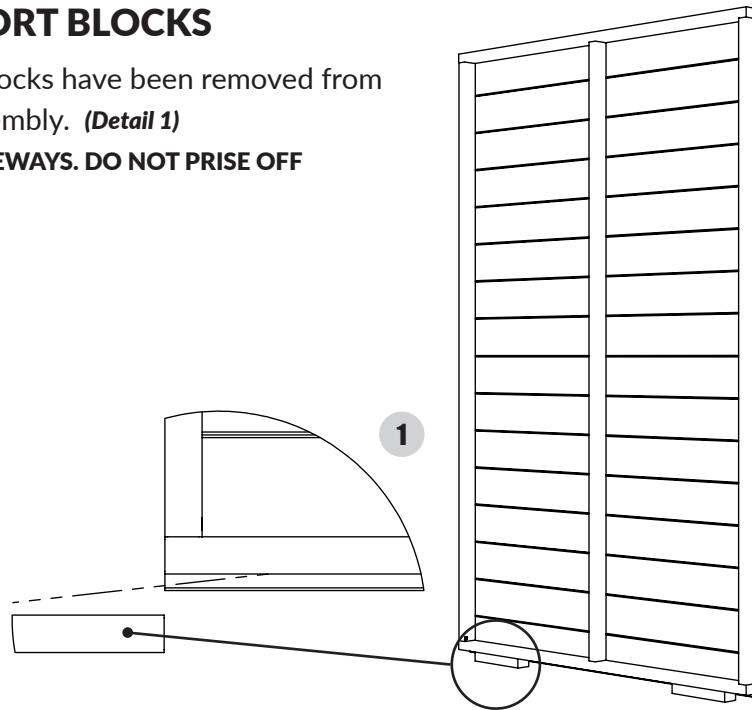
- Assembly is straightforward if you follow these step-by-step instructions.
- We recommend getting everything aligned properly before screwing together and that **screw holes should be pre-drilled to avoid splitting the timber.** *(Do not come pre-drilled).*

IMPORTANT

- Before assembly, please make sure you have a suitable base ready to erect your building on.
- Your base **MUST** be firm and level to ensure that the building is assembled properly and is square.
- **DO NOT** start your build until you have checked that all the parts of your building are present, correct and in a suitable condition.
- Panels may have become twisted during loading/unloading and/or transportation. Please check that all framing and cladding are square before beginning assembly.
- Make sure all transport blocks have been removed from panels.
- If you are organising a third party to install your building, it is best practice not to schedule this immediately on receipt of your order, to give you time to check your delivery

Step 1:

BUILD GABLE PANELS

- Assemble blank gable panel as shown. Secure blank gable base and blank gable header together through framing using 4x N100 per side. *(Detail A1)*

- Assemble door gable panel as shown. Secure door gable header and door gable sides together through framing using 4xN100 per side. *(Detail A2)*
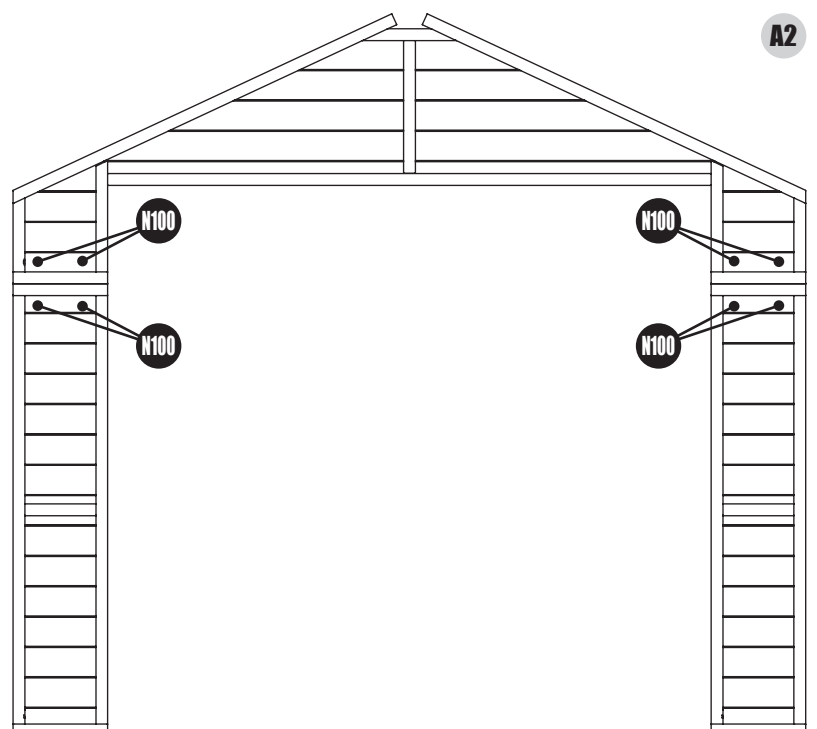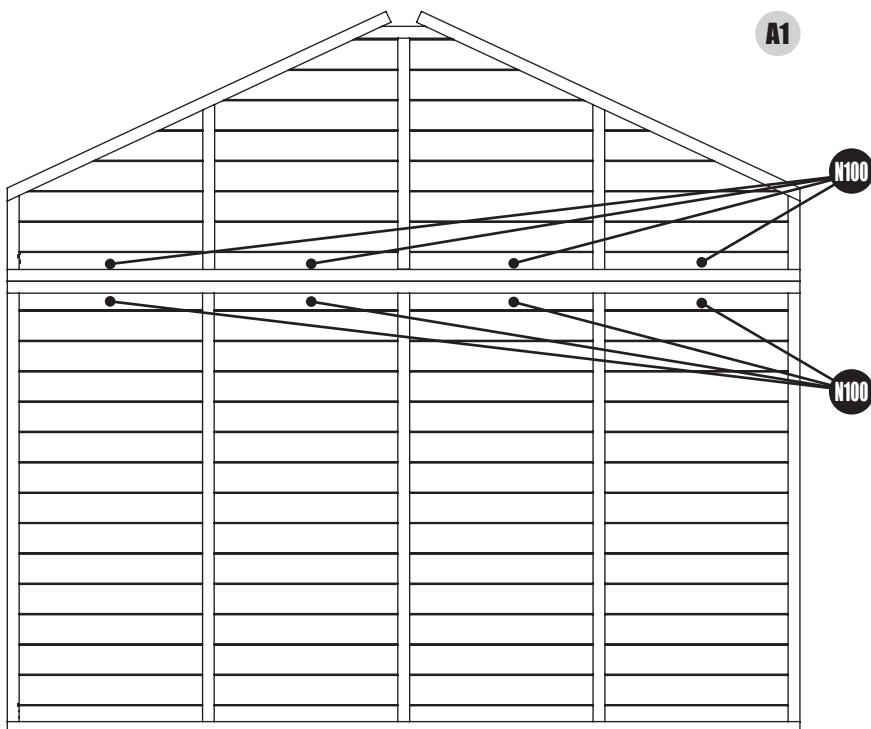
# Step 2: 🔨 🪚

INSTALLING SIDE AND GABLE PANELS

- Position one end gable and side panel as shown. *(Detail B1)*
  NOTE: CHECK THAT ALL PANELS ARE AT RIGHT ANGLES TO EACH OTHER AND THE FLOOR.
  NOTE: CHECK ALL TRANSPORT BLOCKS HAVE BEEN REMOVED BEFORE FITTING PANELS.

- Secure together with 5x N40 evenly spaced. *(Detail B2)*

- Repeat process for remaining gable and side panel.

- Secure side panels together using 5x N100 evenly spaced through internal framework. *(Detail B3 & B4)*

B1 SIDE GABLE

B2 N40

B3 N100

B4 N100
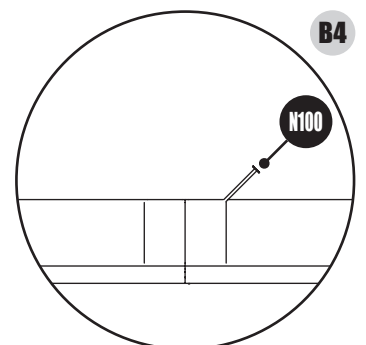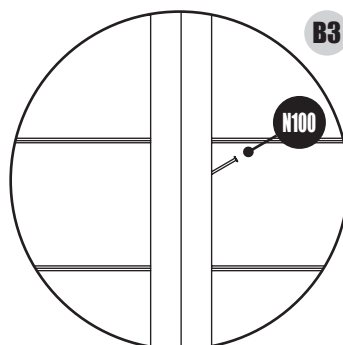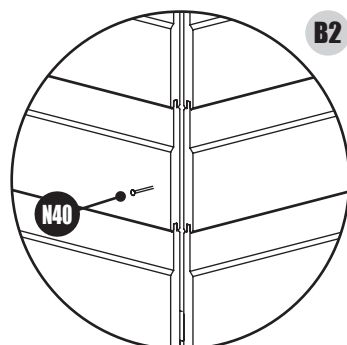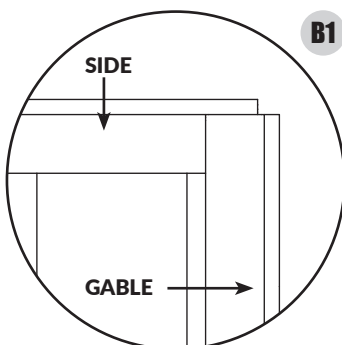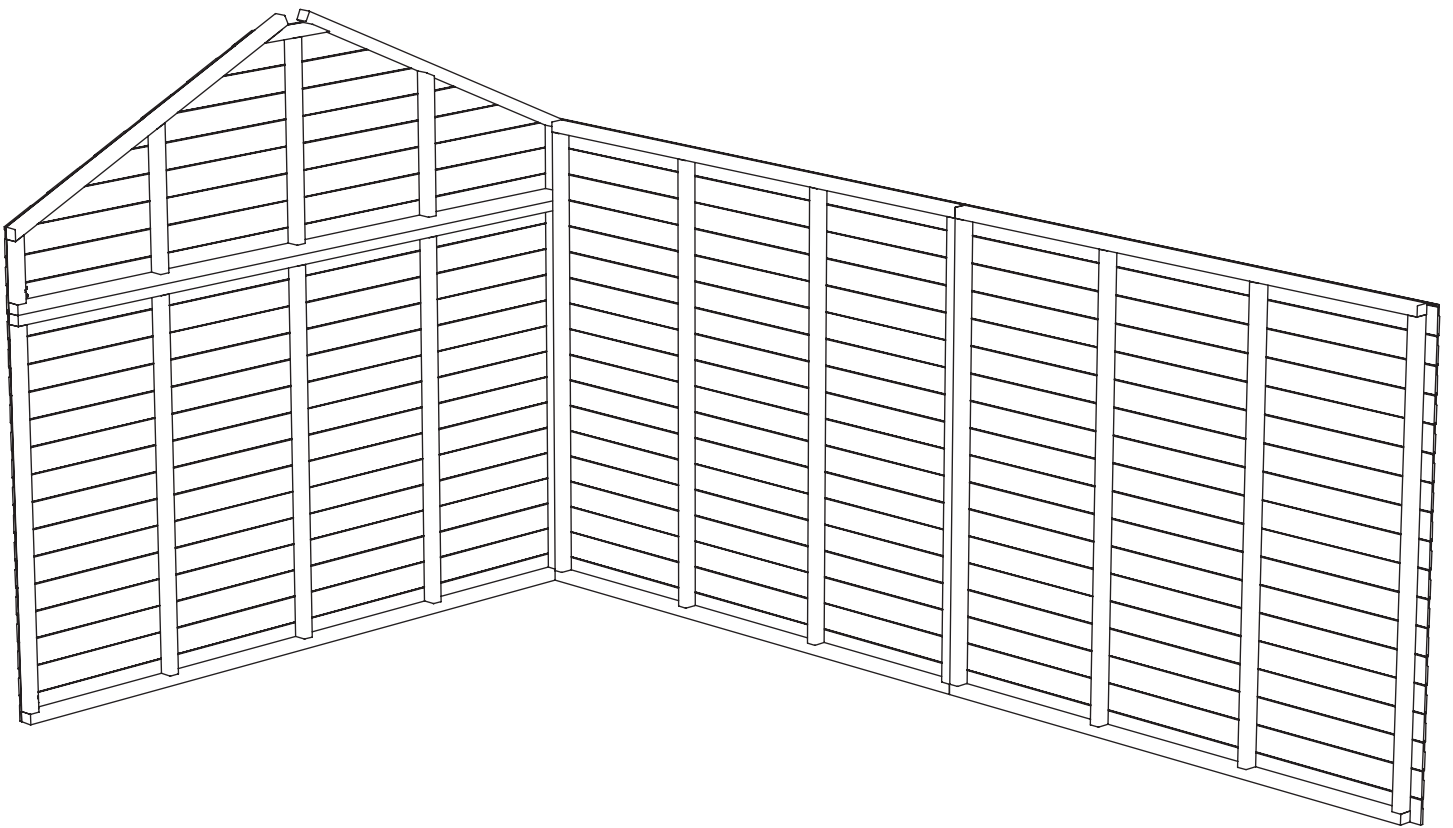
Step 3:

SECURING SIDE AND GABLE PANELS

- Locate pre-drilled holes in gable panels. *(Detail C1)*
  NOTE: THESE MAY HAVE COVERED OVER DURING PANEL COATING PROCESS. THEY MAY RESEMBLE NAIL HEADS.

- Use 4x CB100 per gable, through the pre-drilled holes in each gable, from the outside. *(Detail C2)*
  NOTE: DO NOT FULLY TIGHTEN.

- Check panels are square by measuring between points shown. *(Detail C3)*

- If measurements are equal, your panels are square. If not, manually adjust to suit.
  NOTE: DO NOT TRIM.

- Tighten 8x CB100. *(Detail C4)*
 **NOTE: CHECK THAT ALL PANELS ARE AT RIGHT ANGLES TO EACH OTHER AND THE BASE.**
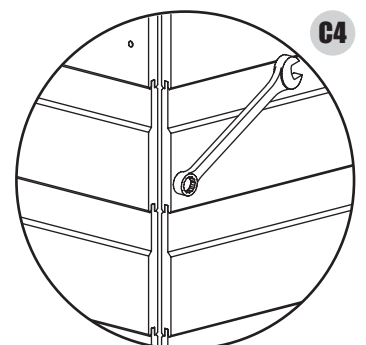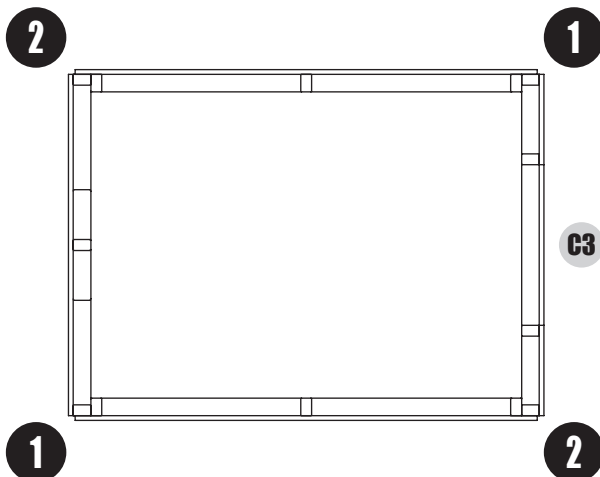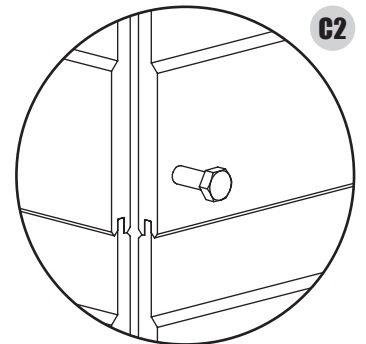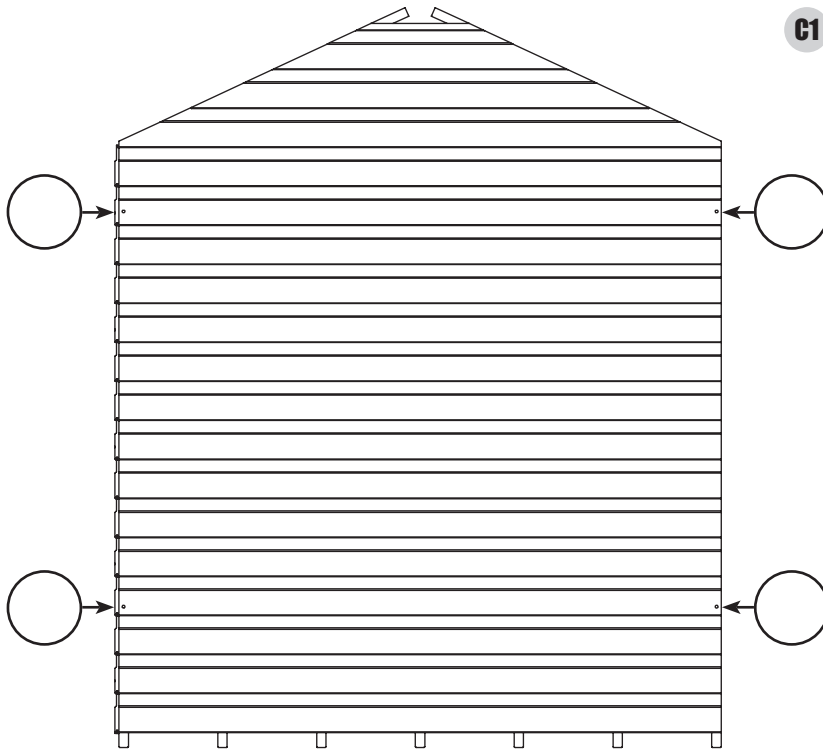
Step 4:

INSTALLING ROOF TRUSSES

- Before fitting roof panels fit apex truss. Products with sides 10ft - 19ft are supplied with x1 truss (inc. clips) for centre of building. 20ft models are supplied with 3x trusses (inc. clips) to be evenly spaced.

- Carefully remove metal "Z" clips that are attached to the rafter of the roof truss. *(Detail D1)*

- Reattach to the ends of the truss arms using 2x N40. *(Detail D2)*

- Place truss in position and secure through the "Z" clips into upright framing in the panels using x2 N100 per clip. *(Detail D3)*

- Repeat for all other clips.
  NOTE: CHECK THAT ALL PANELS ARE AT RIGHT ANGLES TO EACH OTHER AND THE TRUSS.

D1

D2

N40

N40

N100

D3
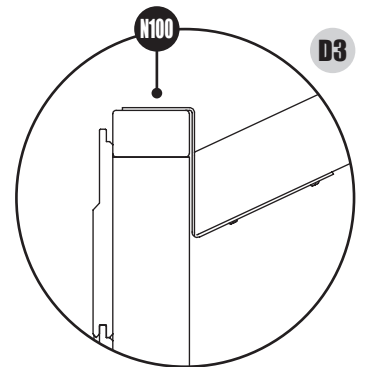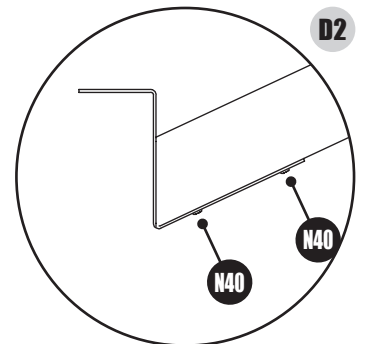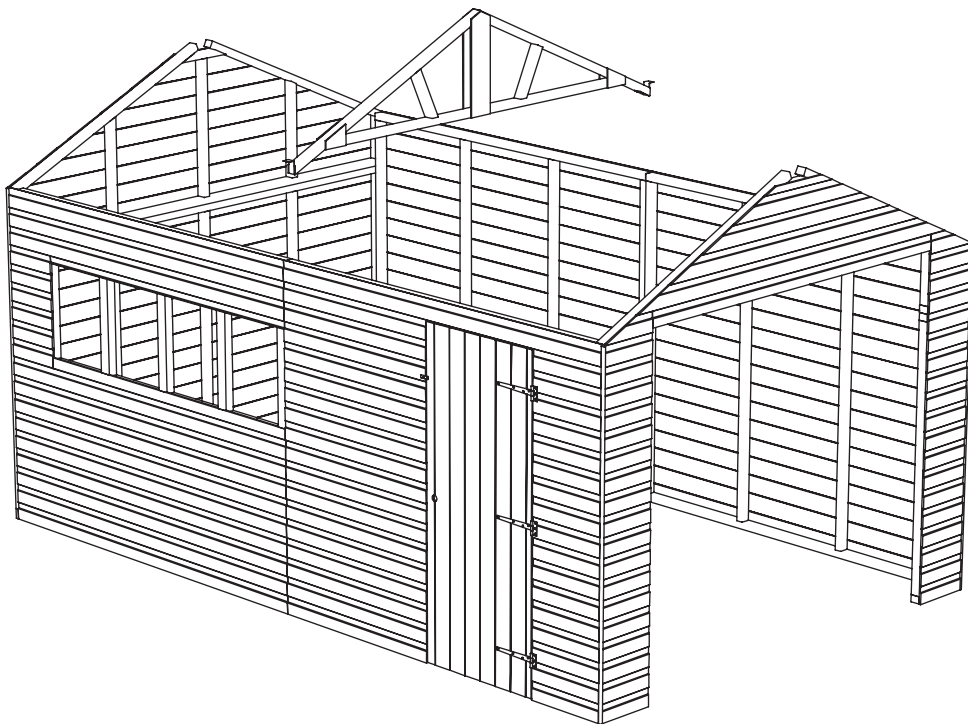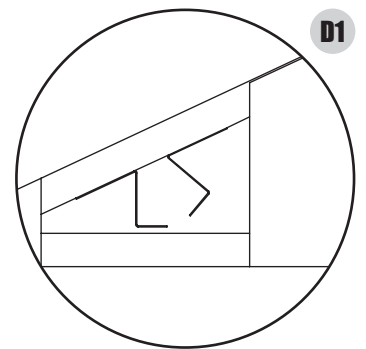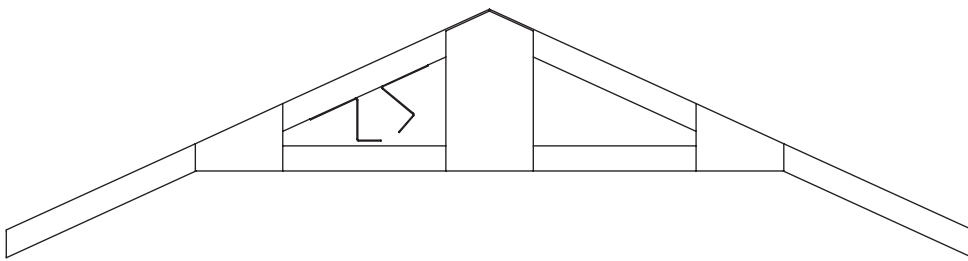
TOP TIP
Have someone hold the truss while you fix to the panels. This will avoid twisting and tipping.

Step 5:

JOINING ROOF PANELS TOGETHER

- Roof for garage come in 4 sections. Layout panels for each side as shown and secure together along apex purlin (and any internal purlins) using 600mm batons supplied in polytube pack. Use x4 N100 per baton so that roof panel side is one piece. *(Detail E1 & E2)*

NOTE: ROOF PANELS SECTIONS THAT ARE JOINED TOGETHER MAY BE VERY HEAVY. PLEASE TAKE CARE WHEN LIFTING INTO PLACE.
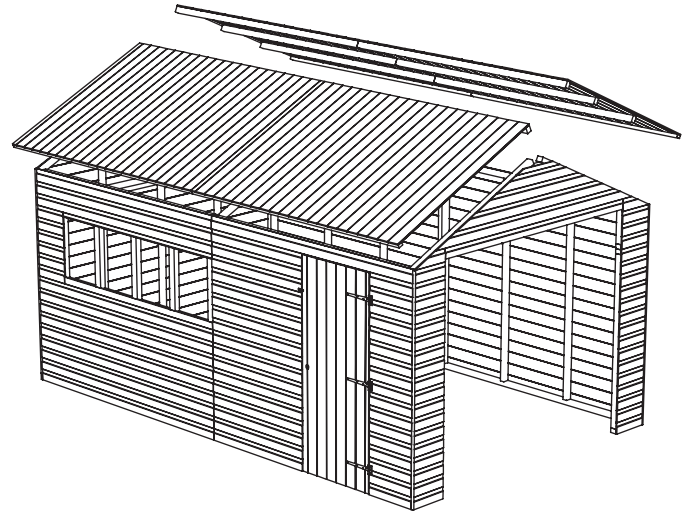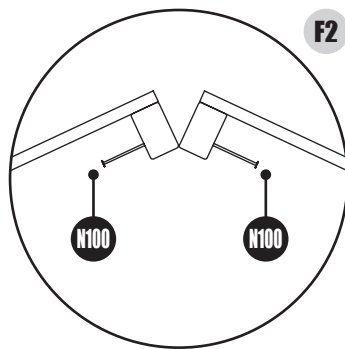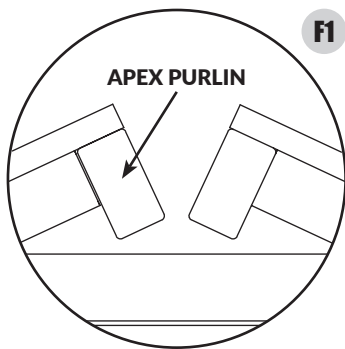
600MM BATON

E1

N100   N100

N100   N100

E2
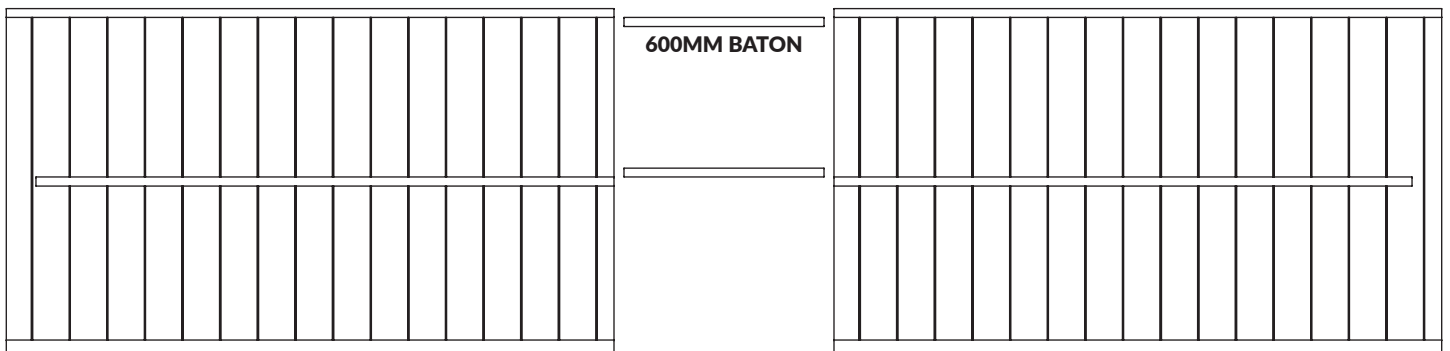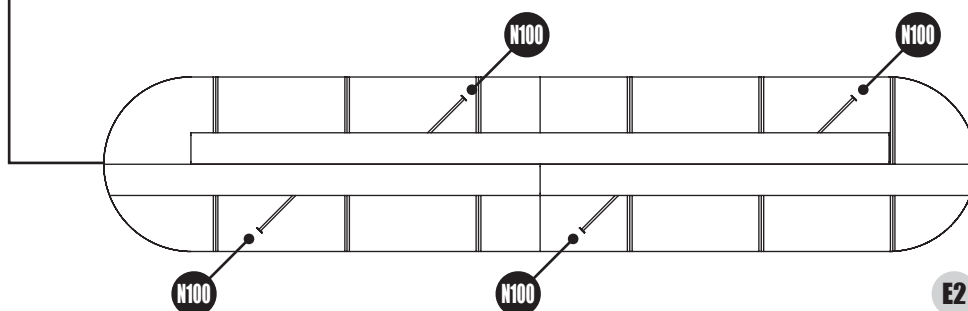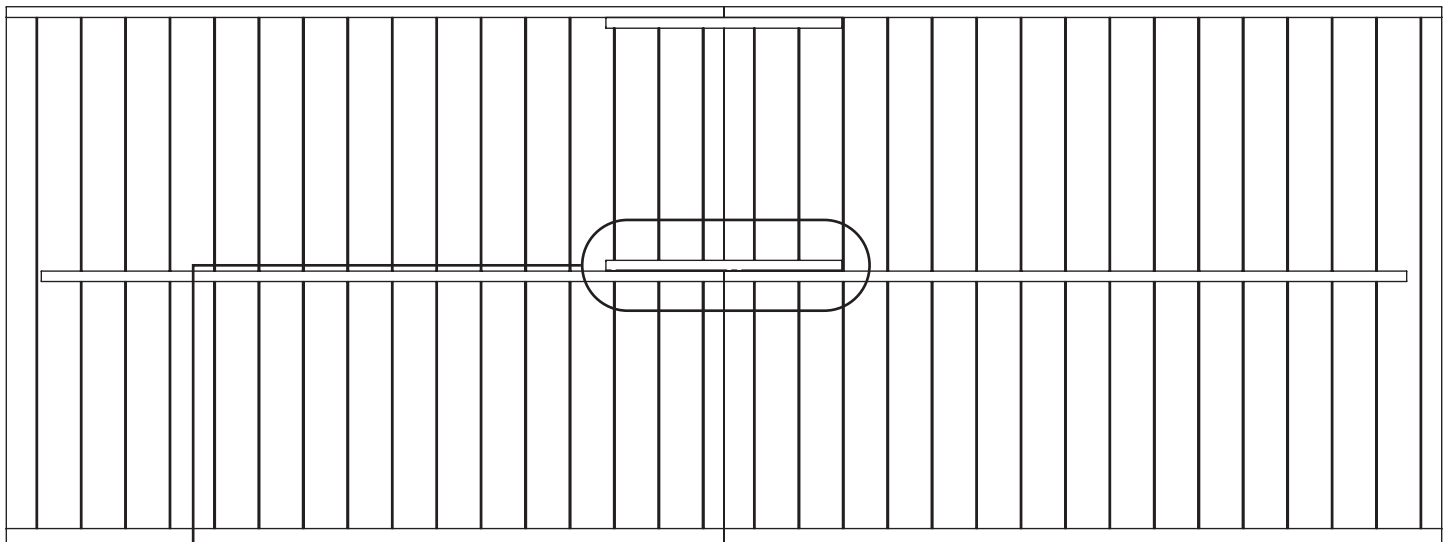
Step 6:

INSTALL ROOF PANELS

- Attach roof panels as shown. There will be a slight gap between the roof panels at the apex of shed. *(Detail F1)*

- Secure apex purlins by pushing panels together and fixing with 10x N100 evenly spaced through each side along length per panel. *(Detail F2)*

F1

APEX PURLIN

F2

N100   N100

- Secure roof panels to the side panels using N100 through all upright framing in side panels. *(Detail E3)*

- Secure roof panels to the gables using 3x N40 through the angled framing. *(Detail E3)*

TOP TIP
If your roof panels do not sit correctly, it suggests the building is not sitting square. Check that the building isn't twisted by lifting two opposite corners of the building to straighten it out. This should bring the roof panels into alignment for you to nail into position.

N40   N100   N40

LOW SIDE PURLIN

APEX PURLIN

E3
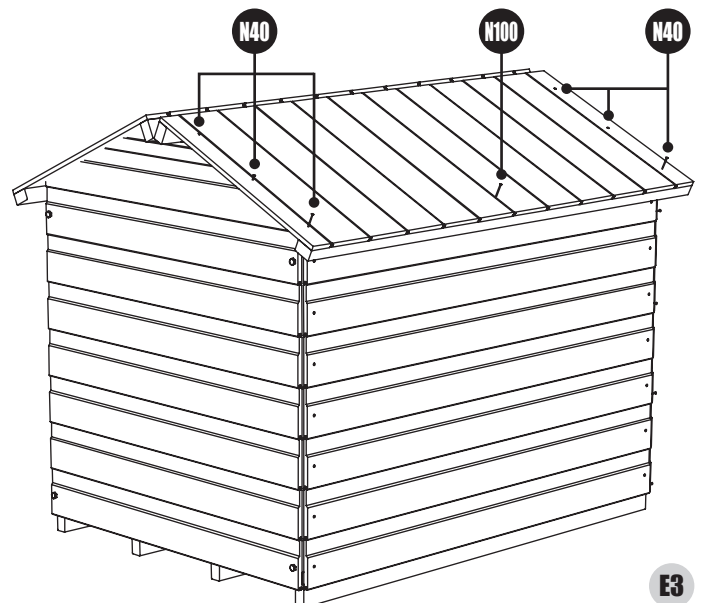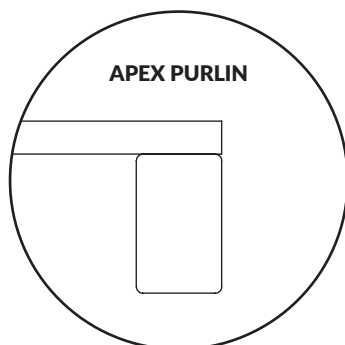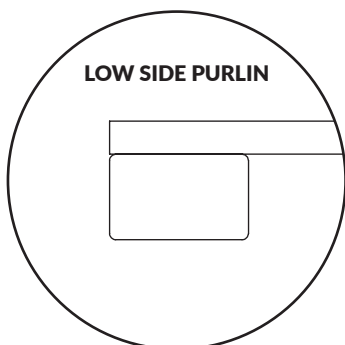
Step 7:

FELTING THE ROOF - MEASURE AND CUT BEFORE FITTING

- Roll felt out onto a clean flat surface 30 minutes before you need it so it has a chance to flatten out.

- Measure length of roof and allow 35mm overhang at each end. Cut each strip of felt to size.
  Use a straight edge to guide cutting.

- Roll cut felt piece along low side of roof, Section 1, leaving sufficient overhang to fold down onto roof edge.

- Do not fold underneath roof. *(Detail G1 & G2)*

- Once felt is rolled out, fix felt to roof boards using CN13 at each end, making sure the felt is straight. Fix to roof skirting at approx. 100mm intervals. *(Detail G3)*

- Ensure the felt is tight, then secure the top side of felt using CN13 at approx. 100mm intervals.

- Repeat for remaining felt, working from the low side of roof to the high side, overlapping the felt by 75mm until the roof is fully covered.

- Fold the overhanging felt at ends under roof panel and tack in place.

SECTION 1

G1 CORRECT FELT

G2 INCORRECT FELT

G3

CN13
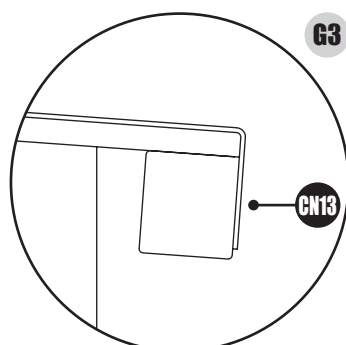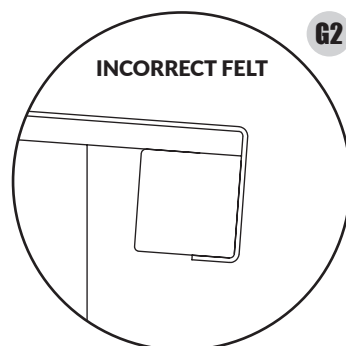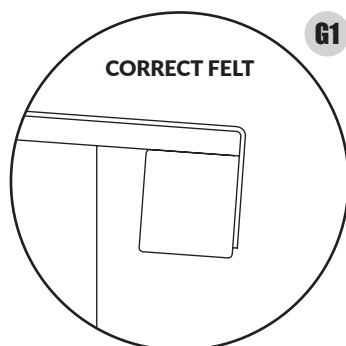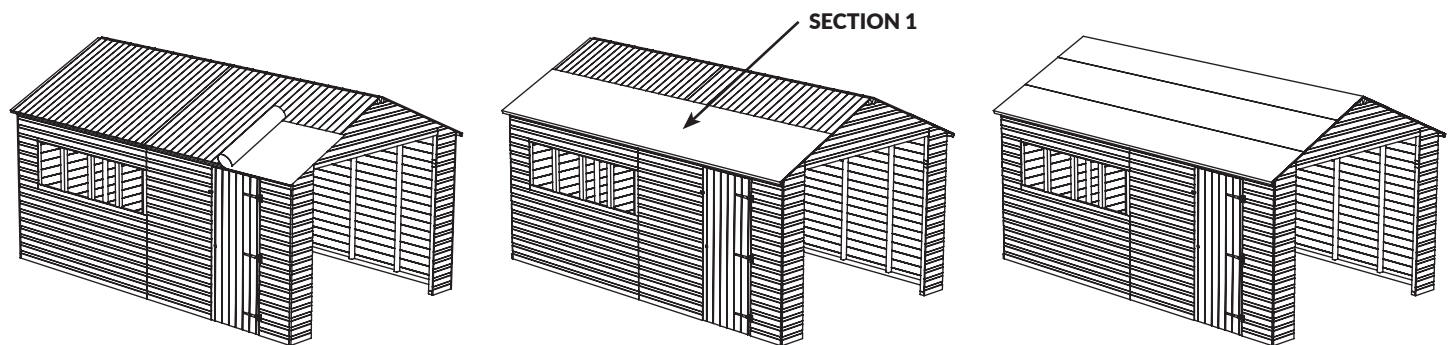
FELT REQUIREMENTS		
WIDTH OF SHED GABLE (FT)	LENGTHS OF 1m WIDE FELT	LENGTHS OF 0.5m WIDE FELT
3	1	1
4	2	
5	2	
6	2	1
7	3	
8	3	1
9	4	
10	4	

Each length of felt used is enough to cover the length of the roof plus overhang. Example: 16x10 Garage will be supplied with 4x rolls of felt to cover 16ft plus overhangs at each end. *(see table above)*

Step 8: 🔨

FITTING FASCIA BOARDS (BARGEBOARDS) & FINIAL

- Fit bargeboards to the roof panels, trapping overhanging end of the felt in between the roof panel and bargeboard. Secure using 2x N40 per bargeboard through apex and low side purlins.
  NOTE: THERE ARE NO BARGEBOARDS SUPPLIED FOR LOW SIDE OF ROOF AS THIS WILL PREVENT EFFECTIVE WATER DRAINAGE.

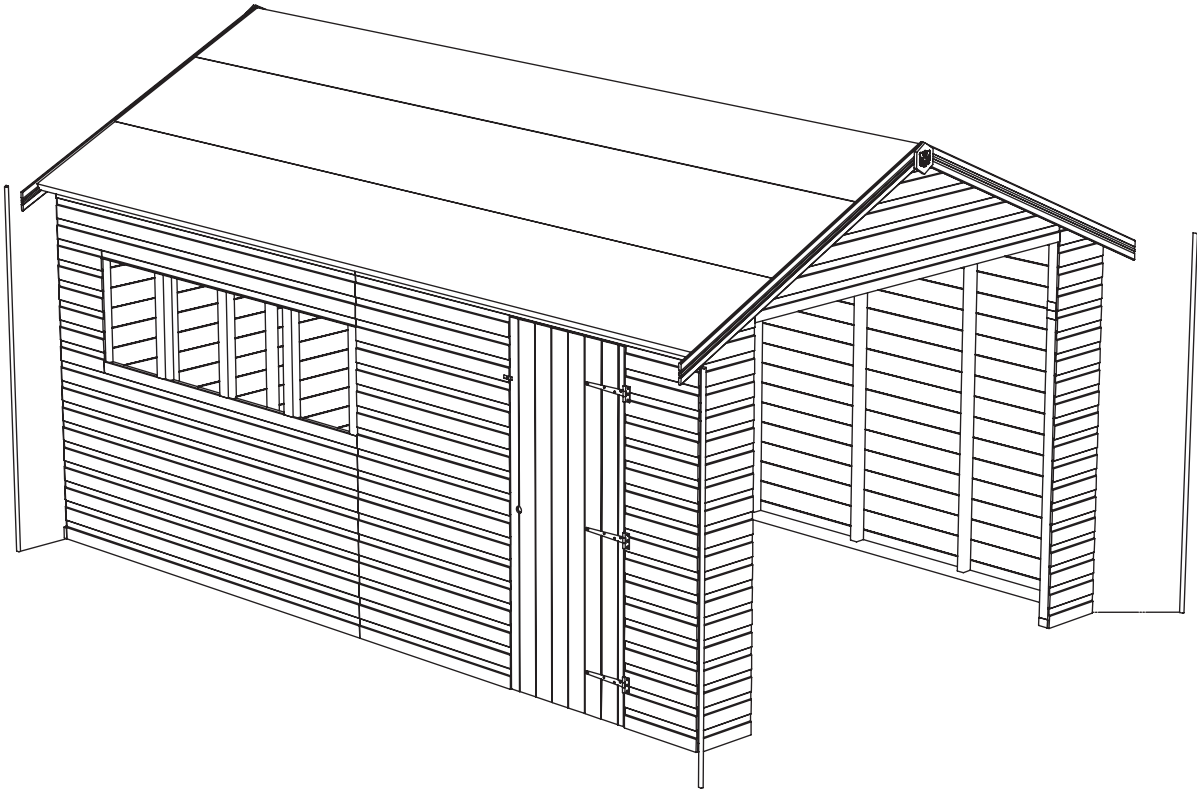- Secure finial over the top of the bargeboards using 2x N40 per finial. (Optional)
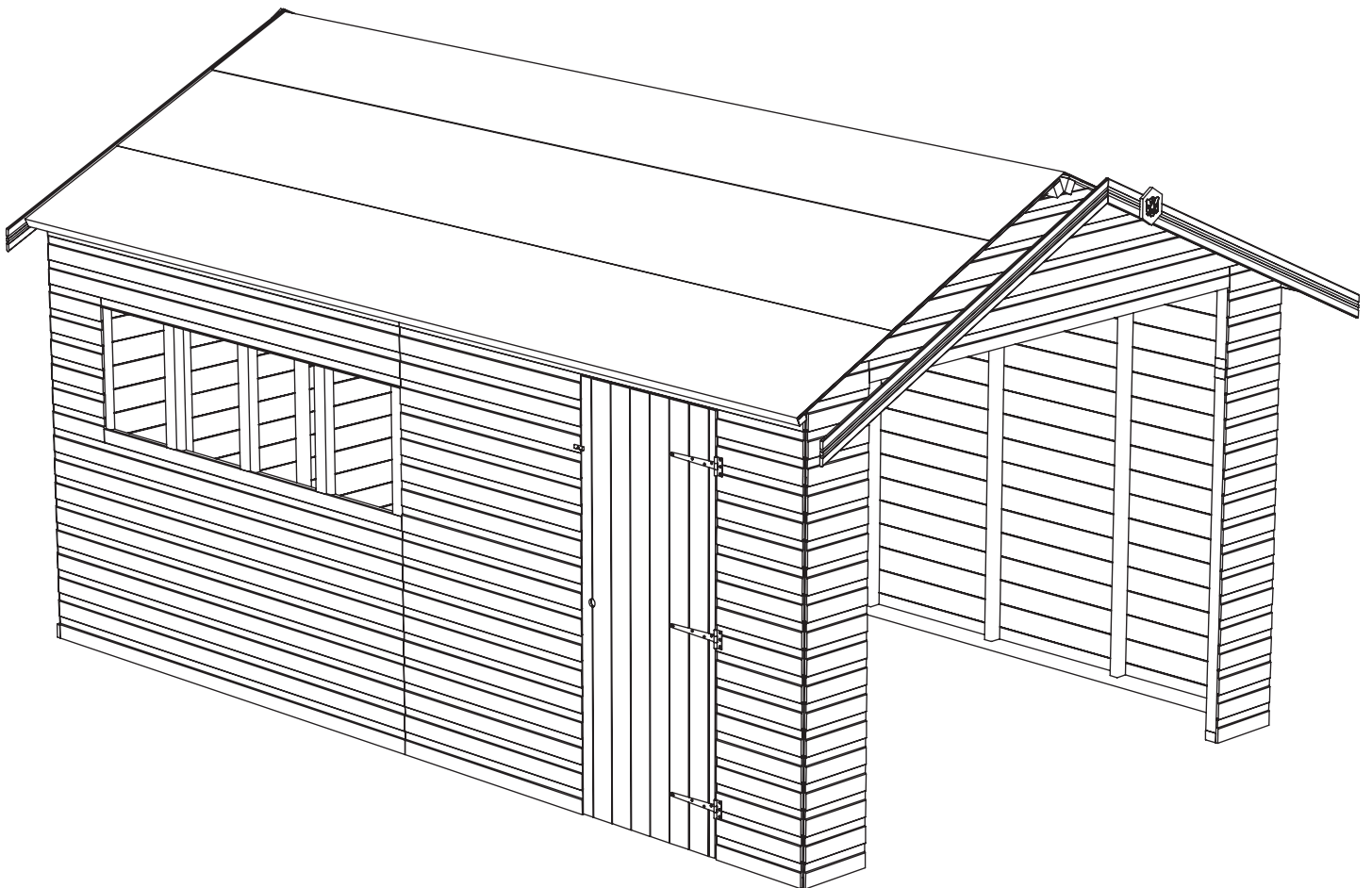
Step 9:

FIT CORNER STRIPS AND COVER STRIPS - CERTAIN SIZES ONLY

- Secure the corner strips at each corner of the shed with 4x N40 per corner strip.
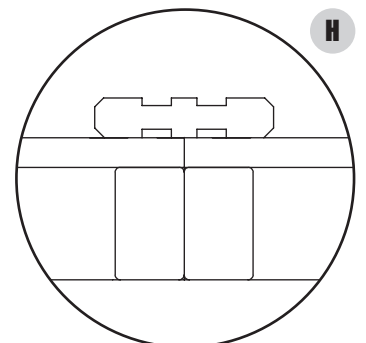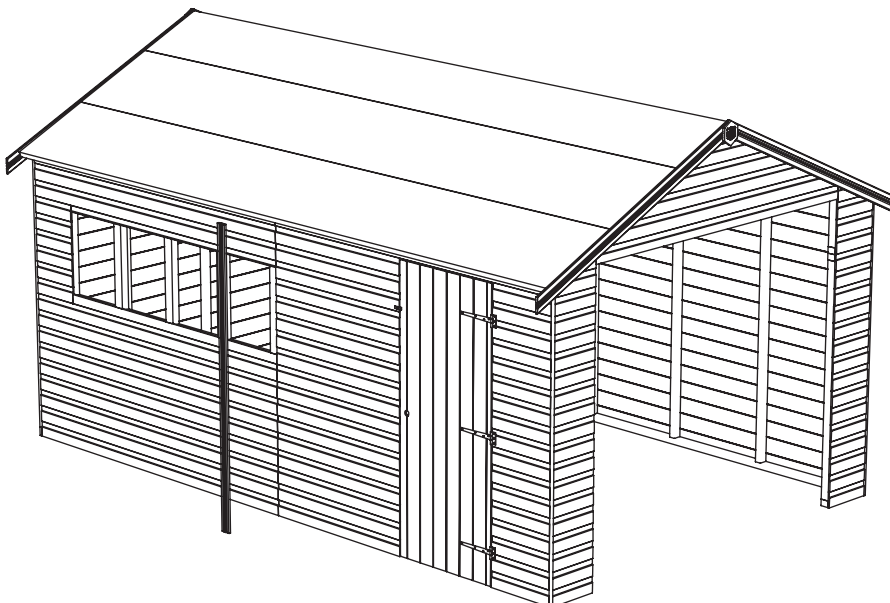 **NOTE: THESE CORNER STRIPS MAY NEED CUTTING TO SIZE.**
  NOTE: NOT TO BE CONFUSED WITH WINDOW BEADING.

- On sheds with a join in the side panels, use cover strip to hide join. Secure to sides using 4x N40 per cover strip. *(Detail H)*
  NOTE: THESE COVER STRIPS MAY NEED CUTTING TO SIZE.
 **NOTE: NOT TO BE CONFUSED WITH BARGEBOARD.**
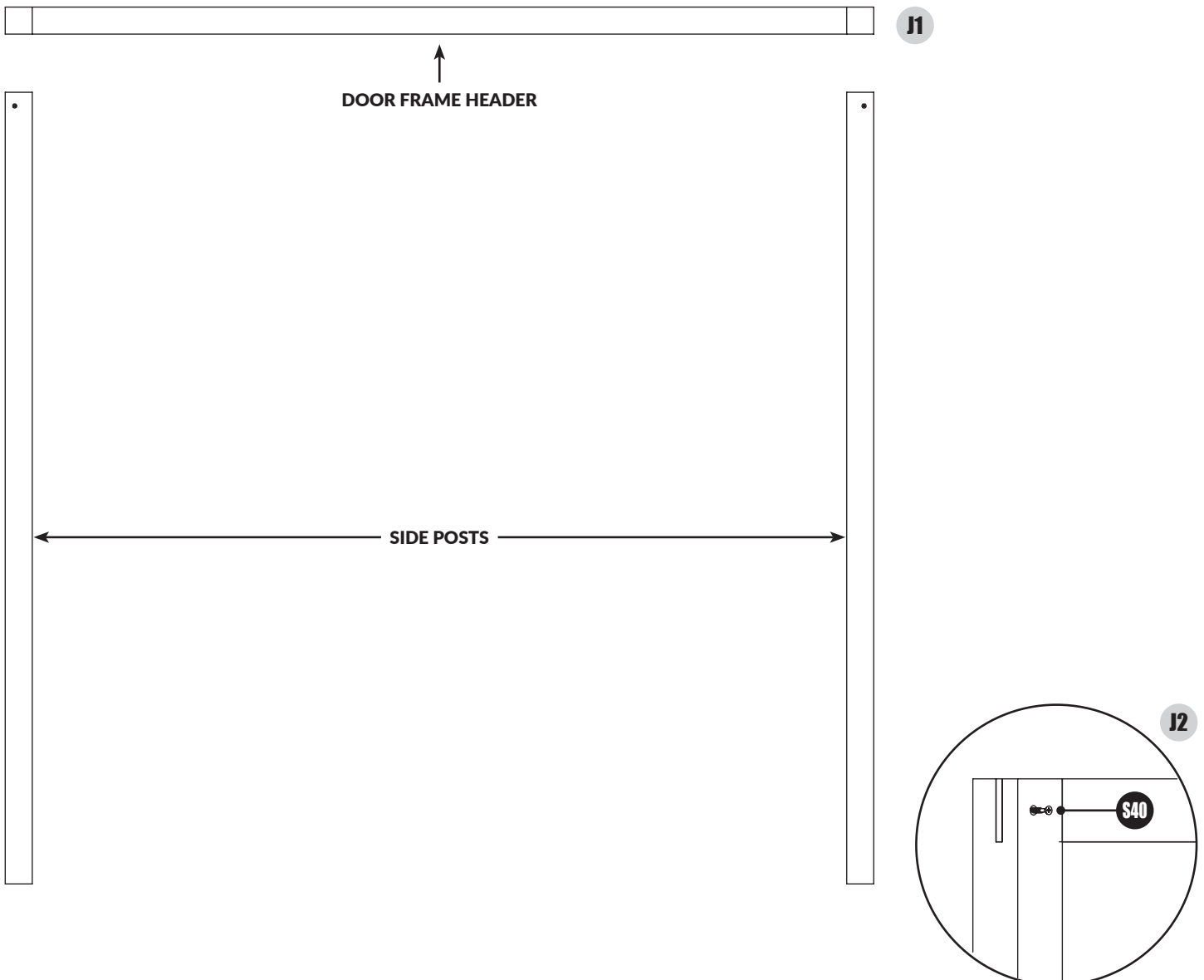
Step 10: 🔧

INSTALLING GLAZING

- Glaze windows by securing glass/styrene with PP25 supplied, from the inside. *(Detail I)*
  NOTE: ALL WINDOWS MUST BE SEALED INSIDE AND OUT WITH SILICONE, PUTTY, OR ANY OTHER WATER-TIGHT SOLUTION. (NOT SUPPLIED).

  NOTE: PLEASE DO NOT CONFUSE YOUR CORNER STRIPS WITH WINDOW BEADING. WE DO NOT SUPPLY WINDOW BEADING AS STANDARD WITH OUR BUILDINGS UNLESS ORDERED.

- Contact our friendly customer support team to order a standard window glazing kit, complete with beading and sealant.
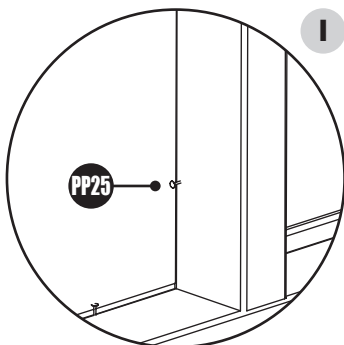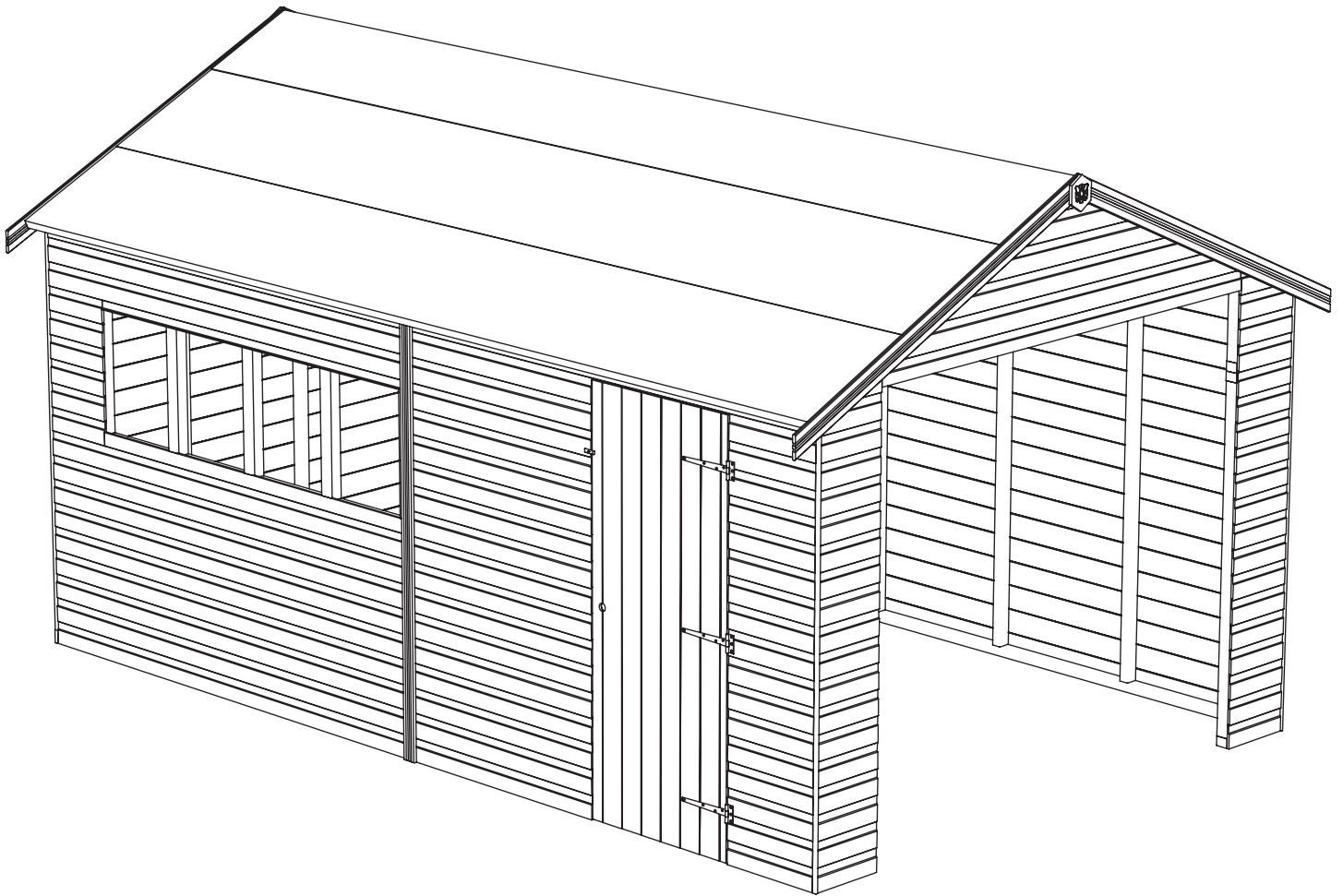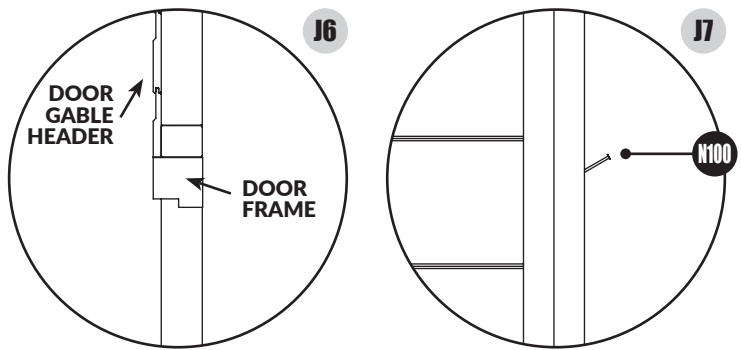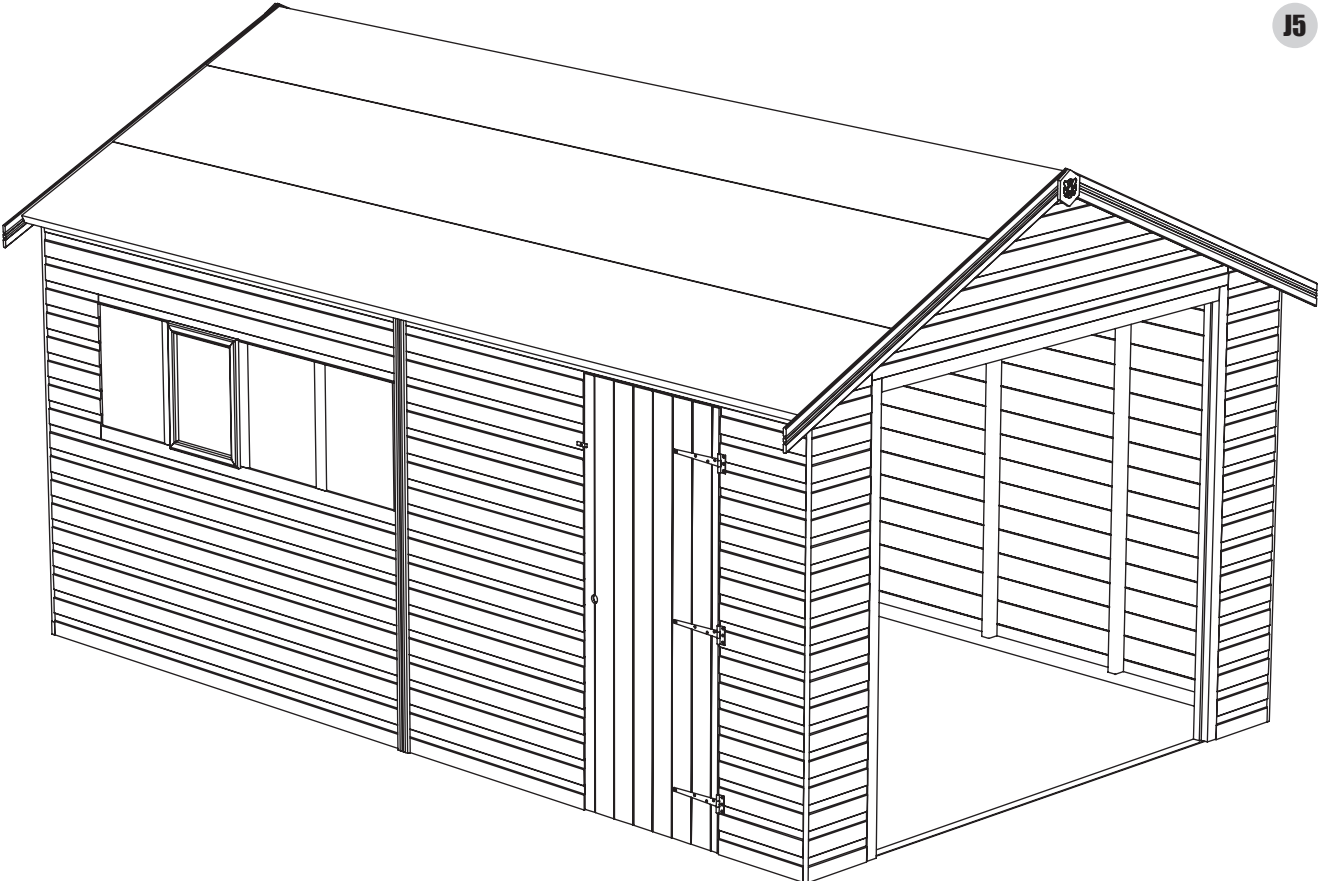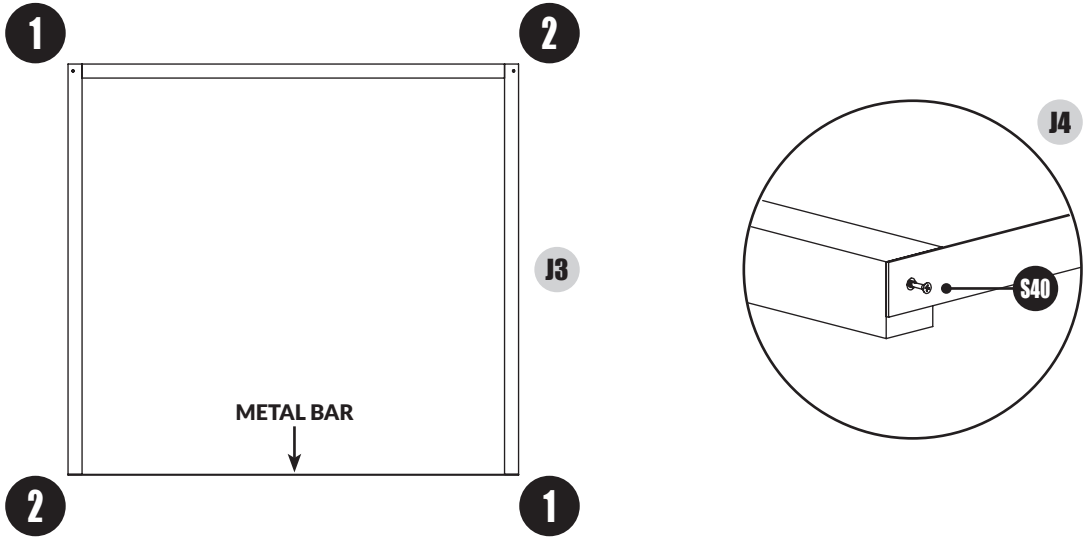
Step 11:

GARAGE DOOR FRAME ASSEMBLY AND INSTALL

- Slot door frame header into side posts as shown. *(Detail J1)*

- Secure in place using 1x S40 per side post. *(Detail J2)*

- Fix metal bar to base of side posts. *(Detail J3)*

- Secure in place using 1x S40 per side post. *(Detail J4)*
  NOTE: DO NOT FULLY TIGHTEN.

- Check frame is square by measuring between points shown. See Image I3. If measurements are equal, your frame is square. If not, manually adjust to suit.
  NOTE: DO NOT TRIM.

- Tighten 4x S40.

- Lift frame into opening in door gable assembly from inside. *(Detail J5 & J6)*

- Fix door frame to door gable assembly sides using 5x N100 through framing. *(Detail J7)*

J1

DOOR FRAME HEADER

SIDE POSTS

J2

S40

1 **2**

J3

METAL BAR

2 **1**

J4

S40

J5

J6

DOOR
GABLE
HEADER

DOOR
FRAME

J7

N100

Step 12:

INSTALL GARAGE DOORS

- Position door in place against door frame and check doors a level and square.

- Secure into door frame using 4x BS25 per hinge.

- Repeat for remaining garage door.

- Check that doors open and close correctly.
  CAUTION: DOORS ARE HEAVY AND REQUIRE 2 PERSON ASSEMBLY.

- Mark top shoot bolt with marker pen and push against door frame header.
  Drill hole to allow bolt to secure. *(Detail K1)*

- Mark bottom shoot bolt with marker pen and push against door frame metal bar.
 Drill hole to allow bolt to secure. *(Detail K2)*
  NOTE: METAL DRILL BIT NOT SUPPLIED

K1

K2
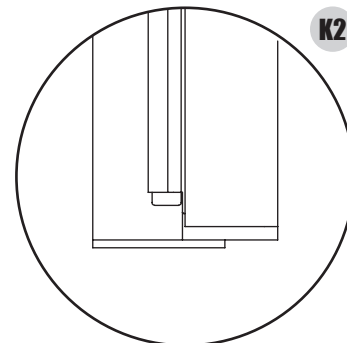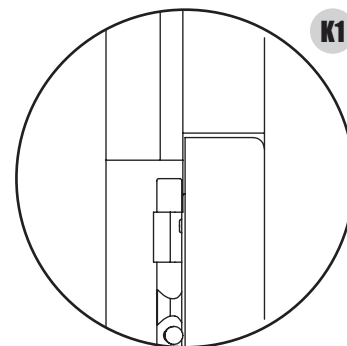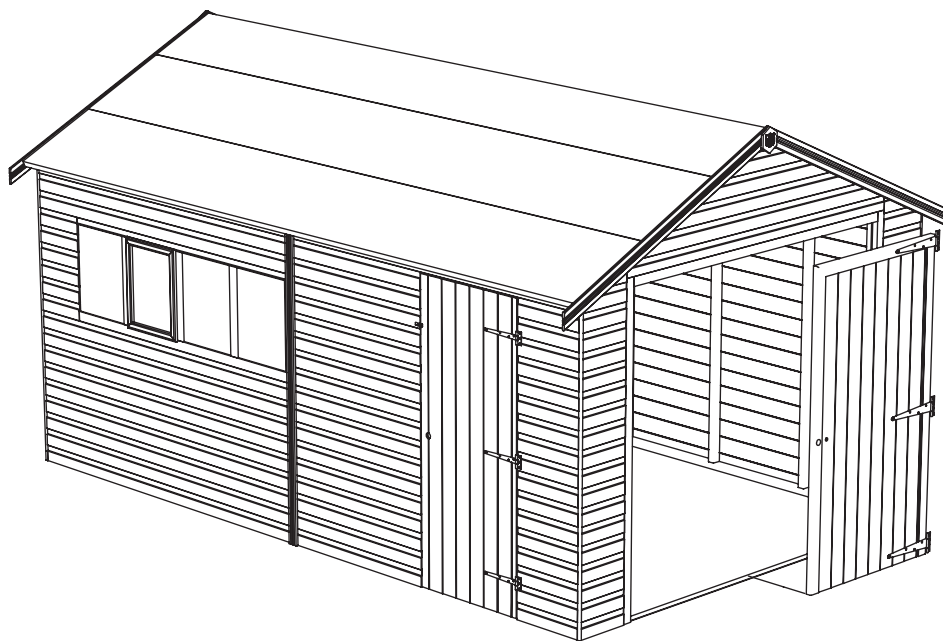
Step 13:

## INSTALLING GARAGE DOOR LOCK AND HANDLES

- Insert the spindle into one of the handles and securely fix the grub screw, ensuring enough of the spindle is free to pass through the lock, door and to be secured in the opposing handle.

- Secure using screws provided to secure lock to inside of door. Recheck all the fixings are secure. If the lock does not operate freely, check alignment of all components.

- Fit key cover to outside of door using screws provided.
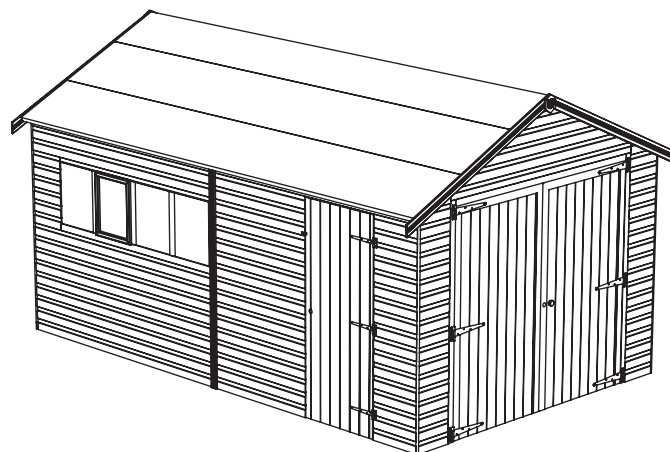
Step 14:

INSTALLING DOOR PULL

- Find comfortable height for supplied door pull.

- Secure door pull to door using 4x 25mm (BS25) screws in the holes provided.

  - If door is made from interlocking boards and your chosen door pull position does not match with existing door bracing, use supplied 150mm framing to fix door pull screws into.

  - If chosen position matches existing bracing, secure directly into this.

150MM BLOCK

DOOR PULL

TO SEE GENERAL ACCESSORY &
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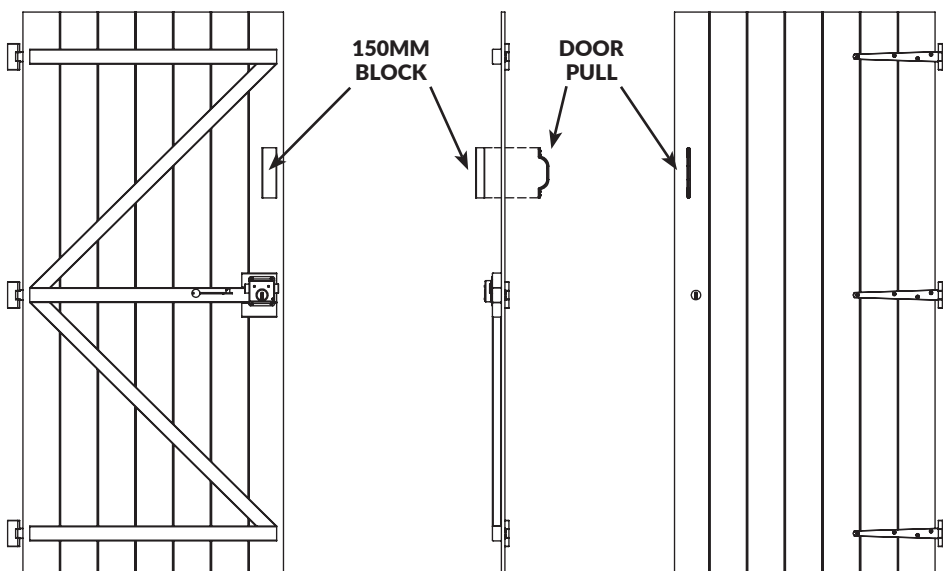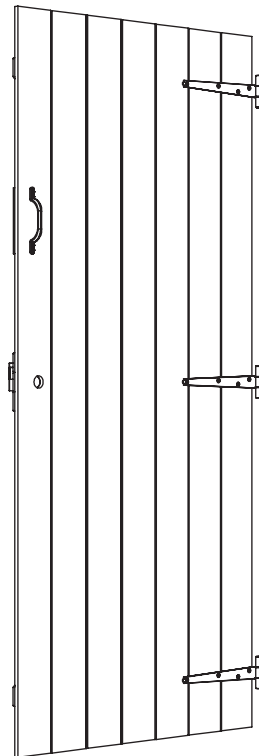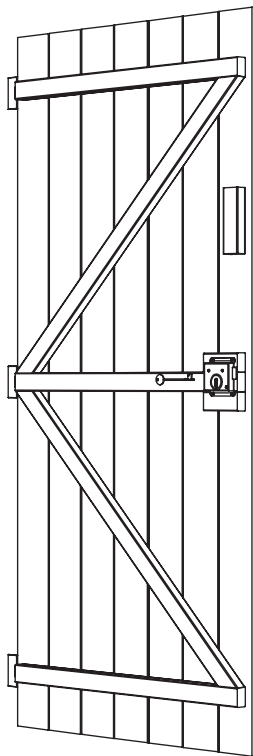
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