

# GS513-V1

## GARDEN SHED OWNER'S MANUAL AND ASSEMBLY INSTRUCTIONS

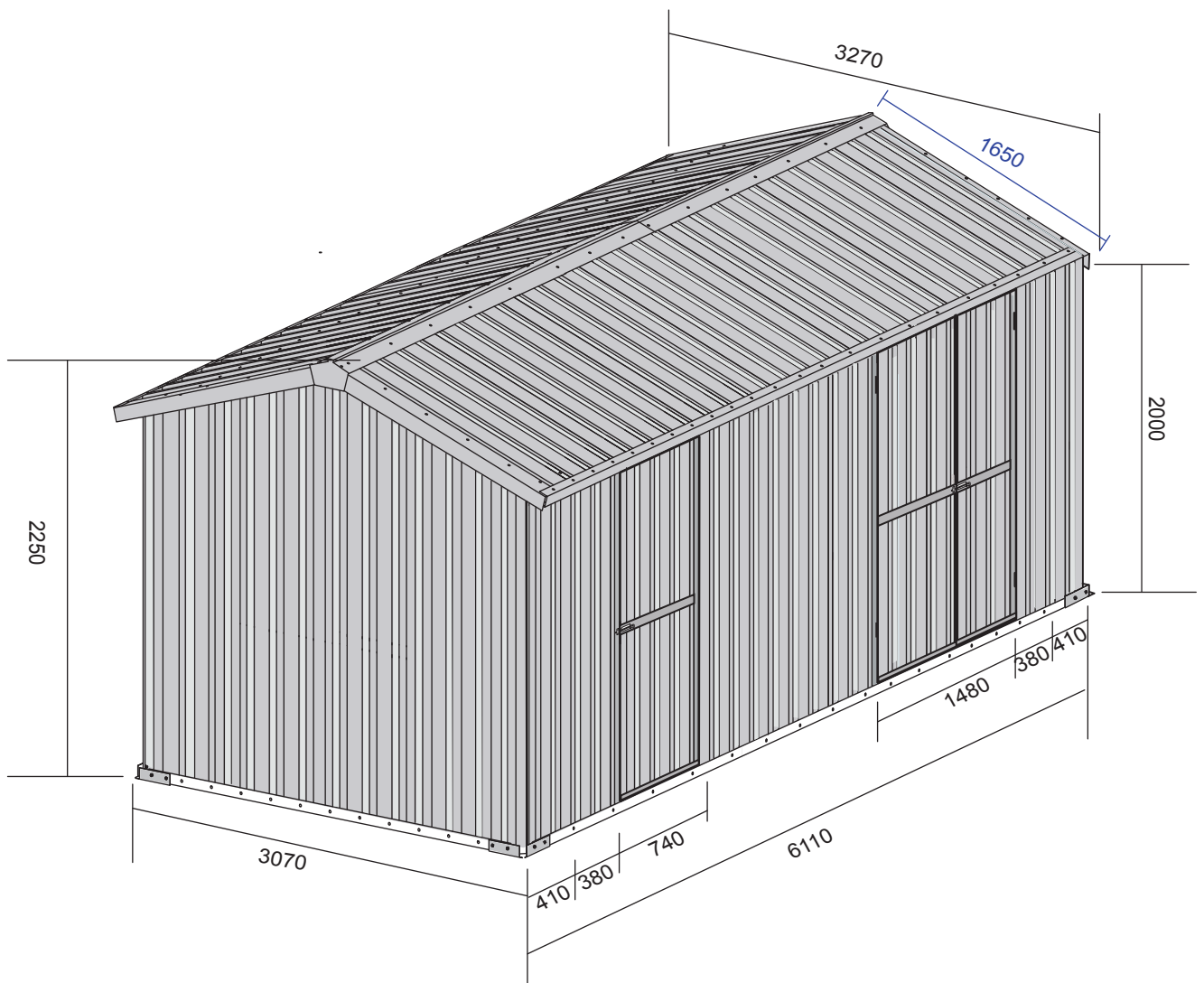
overall size: 6110 x 3270 x 2250mm

shed size: 6110 x 3070 x 2200mm

door size 1: 740 x 1950mm

door size 2: 1480 x 1950mm

floor size: 6070 x 3030mm



## GARDEN SHED OWNER'S MANUAL AND ASSEMBLY INSTRUCTIONS

**tradetested**

TRADE PRICES DELIVERED NATIONWIDE

# Before You Begin

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- Check local building codes regarding shed location and any other local requirements.
- Check the packing list on page iv to make sure you have all of the necessary parts.
- Separate everything in the cartons by the part number while reviewing the parts list.
- Be sure the day you select to build your shed is dry and calm.
- Whenever possible, two or more people should work together to assemble the shed.  
We suggest that one person positions parts while the other handles the fasteners and tools.

# Selecting & Preparing Your Site

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Before assembly, decide on a location for your building. We recommend a level area with good drainage. Allow enough space around the building so there's plenty of room to screw the panels and then move the different parts into position. Remember to leave plenty of room for the door to fully open.

# You Will Need...

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- An electric drill/driver
- A Phillips screwdriver
- Gardening or work gloves
- Sealant or caulking gum (optional )
- Step ladder
- Tape measure

# Safety First

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Safety precautions are important to follow throughout the construction of your building.

- Take care when handling the various pieces of your building since some contain sharp edges. Please wear work gloves, eye protection and long sleeves when assembling or performing any maintenance.
- Keep children and pets away from your worksite to avoid distractions and any accidents.
- Never concentrate all your weight on the roof of the structure. When using a step ladder make sure it's fully open and on a level surface.
- To avoid any damage, do not attempt to assemble the building on a windy day. The larger panels can act as sails making construction difficult and unsafe.

# Flooring & Foundations

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A solid shed starts with a level floor and foundation. This is the single most important factor in making your shed as watertight and stable as possible. It also makes the assembly process as simple as possible. We recommend the following foundation options:

## **OPTION 1 - WOODEN FLOOR**

We sell wooden floor kits designed to match your shed. Alternatively you can build your own using H4 treated bearers and timber floorboards.

## **OPTION 2 - CONCRETE SLAB**

For a more permanent solution, or for large sheds, we recommend a concrete foundation.

Regardless of which flooring option you choose

- Build on a compacted and levelled base layer
- Plastic sheeting placed under the wood or concrete will prevent moisture wicking through
- We recommend the foundation is the same size as the footprint of your shed to prevent water ingress

# Assembly Overview

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**Step 1:** Check all parts against the component list

**Step 2:** Assemble the rear wall panels

**Step 3:** Assemble the side wall panels

**Step 4:** Assemble the front wall panels

**Step 5:** Assembling the support square tube and constructing the walls

**Step 6:** Assemble the ridge beam

**Step 7:** Assemble the roof

**Step 8:** Fitting Wall Bracing

**Step 9:** Assemble the door

## Handy Tips Before You Begin

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**How to drill rivet holes in panels** – Use a 4.2mm drill bit, set your drill clutch to the drill bit icon. Make a mark where you want to drill and use this to start the hole.

**Drilling tek-screws** – Drilling tek screws into the panels can sometimes cause the corrugation to buckle in, making it tricky to get the screw all the way in. An easy fix for this is to place a small block of wood underneath the corrugation as you drill, providing support for the panel until the screw is all the way in. Make sure the block is not directly underneath the screw.

**How to remove rivets if needed** – Don't worry if you have placed a rivet incorrectly or you need to adjust a panel, they are easy to remove. Just drill directly through the top of the rivet using the same drill bit you used to make the hole. This will remove the rivet head, causing the whole rivet to fall out.

### OTHER TIPS

- Very Important – make sure you remove metal drill filings to prevent corrosion and scratches. Removing metal filing and avoiding scratching the shed during assembly will help prevent any corrosion later on.
- Peel off part number stickers and clean with soap/water.
- Use silicone to further weatherproof seals around the shed (not included).

# **ASSEMBLY INSTRUCTIONS**

# GS513-V1

STEP 1 Check all parts against the component list

## PARTS LIST

Please check your contents prior to starting assembly

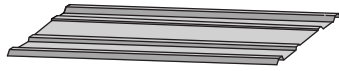
| ITEM             | NAME                     | SIZE (mm)        | QTY | PART #              |
|------------------|--------------------------|------------------|-----|---------------------|
| 1                | Front Wall               | 410 x 2000       | 10  | W200                |
| 2                | Rear Wall                | 410 x 2000       | 16  | W200                |
| 3                | Roof Panel               | 410 x 1650       | 32  | P165                |
| 4                | Side Wall                | 410 x 2000 x2050 | 2   | L200205             |
| 5                | Side Wall                | 410 x 2050 x2100 | 2   | L205210             |
| 6                | Side Wall                | 410 x 2100 x2150 | 2   | L210215             |
| 7                | Side Wall                | 410 x 2150 x2200 | 2   | L215220             |
| 8                | Side Wall                | 410 x 2050 x2000 | 2   | R205200             |
| 9                | Side Wall                | 410 x 2100 x2050 | 2   | R210205             |
| 10               | Side Wall                | 410 x 2150 x2100 | 2   | R215210             |
| 11               | Side Wall                | 410 x 2200 x2150 | 2   | R220215             |
| 12               | Rear Wall Channel        | 1550             | 4   | U155                |
| 13               | Side Wall Channel        | 1550             | 16  | U155                |
| 14               | Roof Channel             | 1550             | 8   | U155                |
| 15               | Roof Channel             | 1650             | 4   | G165                |
| 16               | Front Wall Channel       | 1550             | 4   | U155                |
| 17               | Left Door Frame          | 2000             | 2   | ML200               |
| 18               | Right Door Frame         | 2000             | 2   | MR200               |
| 19               | Door Top Frame           | 1480             | 1   | Z148                |
| 20               | Door Bottom Frame        | 1480             | 1   | U148                |
| 21               | Door Top Frame           | 745              | 1   | Z0745               |
| 22               | Door Bottom Frame        | 745              | 1   | U0745               |
| 23               | Ridge Beam               | 1150             | 2   | C111                |
| 24               | Ridge Beam               | 1530             | 4   | C153                |
| 25               | Ridge Beam               | 1900             | 2   | C190                |
| 26               | Roof Tiles               | 1550             | 4   | V155                |
| 27               | Galvanized square tube   | 1740             | 6   | X174                |
| 28               | Galvanized square tube   | 1730             | 6   | X173                |
| 29               | Galvanized square tube   | 2040             | 4   | X204                |
| 30               | Wall Bracing             | 1500             | 8   | Z150                |
| 31               | Ridge Beam Bracket       |                  | 2   |                     |
| 32               | Bracket                  |                  | 20  |                     |
| 33               | Flat fasteners           |                  | 4   |                     |
| 34               | Corner Anchor            |                  | 4   |                     |
| 35               | Hook Anchor              |                  | 12  |                     |
| 36               | Tek Screws               |                  | 625 |                     |
| 37               | Wood Anchor Screws       |                  | 15  |                     |
| 38               | Rivet                    |                  | 190 |                     |
| 39               | Spacer                   |                  | 190 |                     |
| 40               | Rivet Gun                |                  | 1   |                     |
| 41               | Tek Screwdriver Bit      |                  | 1   |                     |
| 42               | φ4.2 Drill Bit           |                  | 1   |                     |
| 43               | Screw Head Sheath        |                  | 150 |                     |
| 44               | Phillips Head Screws     |                  | 26  |                     |
| 45               | Plastic Ridge End Cap    |                  | 2   |                     |
| 46               | Bolt and Nut             |                  | 10  |                     |
| 47               | Expansion screw (M10x80) |                  | 12  |                     |
| <b>DOOR PART</b> |                          |                  |     |                     |
| ITEM             | NAME                     | SIZE (mm)        | QTY | PART #              |
| 48               | Door Panel               | 410 x 1950       | 3   | E195 x 410          |
| 49               | Door Panel               | 350 x 1950       | 3   | E195 x 350          |
| 50               | Door Channel             | 740              | 6   | U074                |
| 51               | Door Channel             | 1950             | 6   | U195                |
| 52               | Door Square tube         | 1930             | 3   | D193                |
| 53               | Door Bar                 | 740              | 3   | H074                |
| 54               | Door Brace               | 1190             | 6   | Z119                |
| 55               | Bolt (door outside)      |                  | 2   | Bolt (door outside) |
| 56               | Bolt (door inside)       |                  | 1   | Bolt (door inside)  |
| 57               | Hinge                    |                  | 6   | Hinge               |



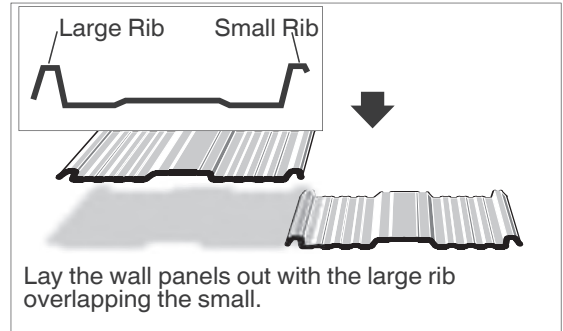
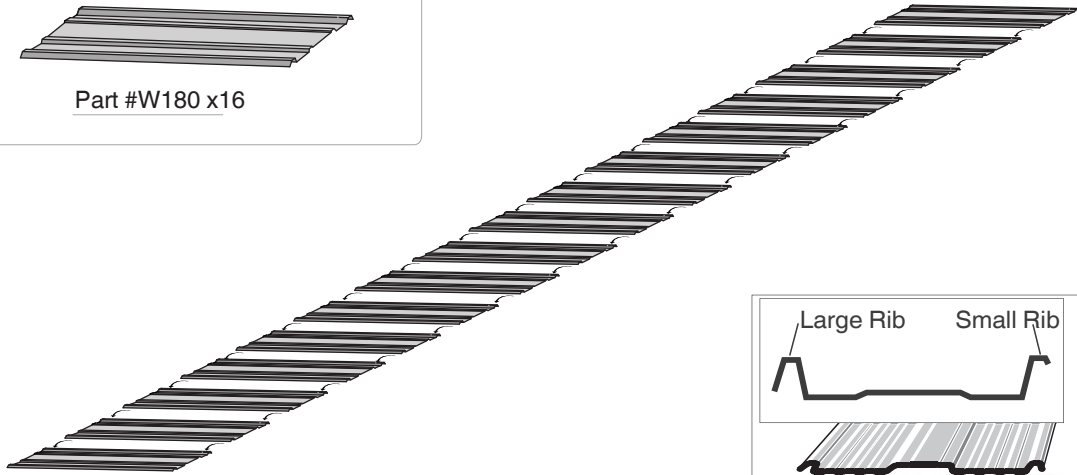
If you're missing anything, just head to the Trade Tested website and get in touch.

## STEP 2 Assemble the rear wall panels

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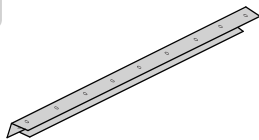


Part #W180 x16



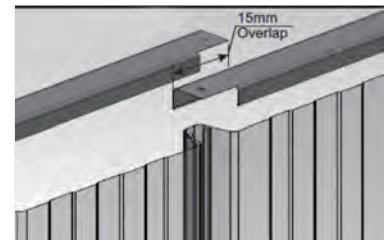
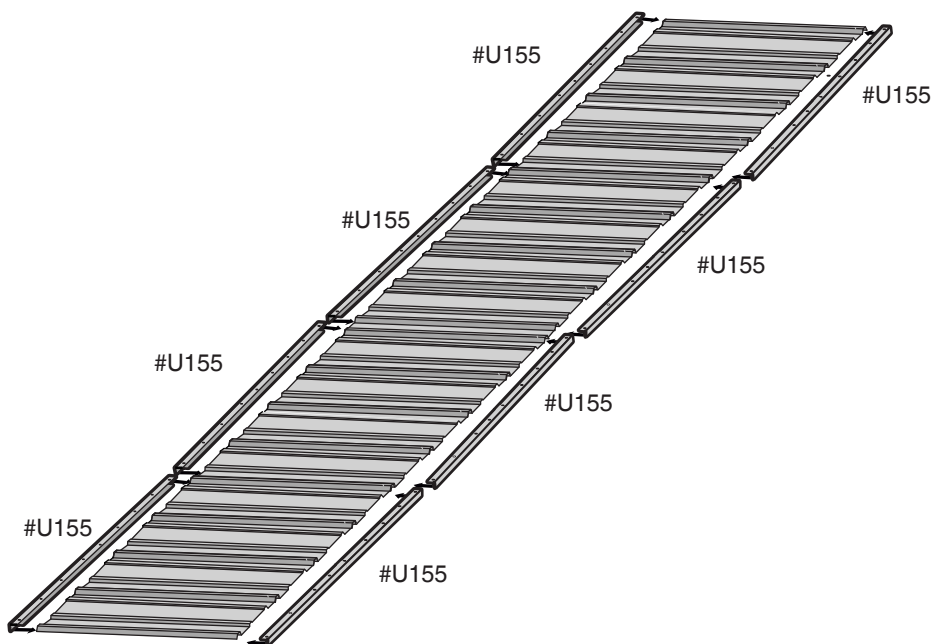
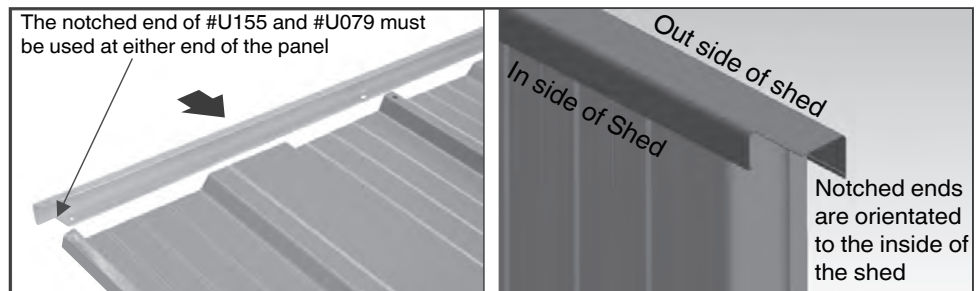
**i** All panels should overlap by one corrugation.

b

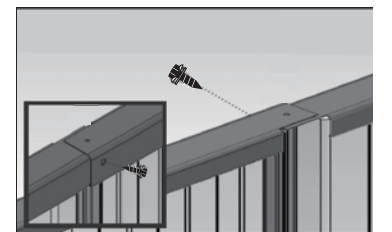


#U155 x8

The notched end of #U155 and #U079 must be used at either end of the panel



U-channel joint



Drill screw in joint

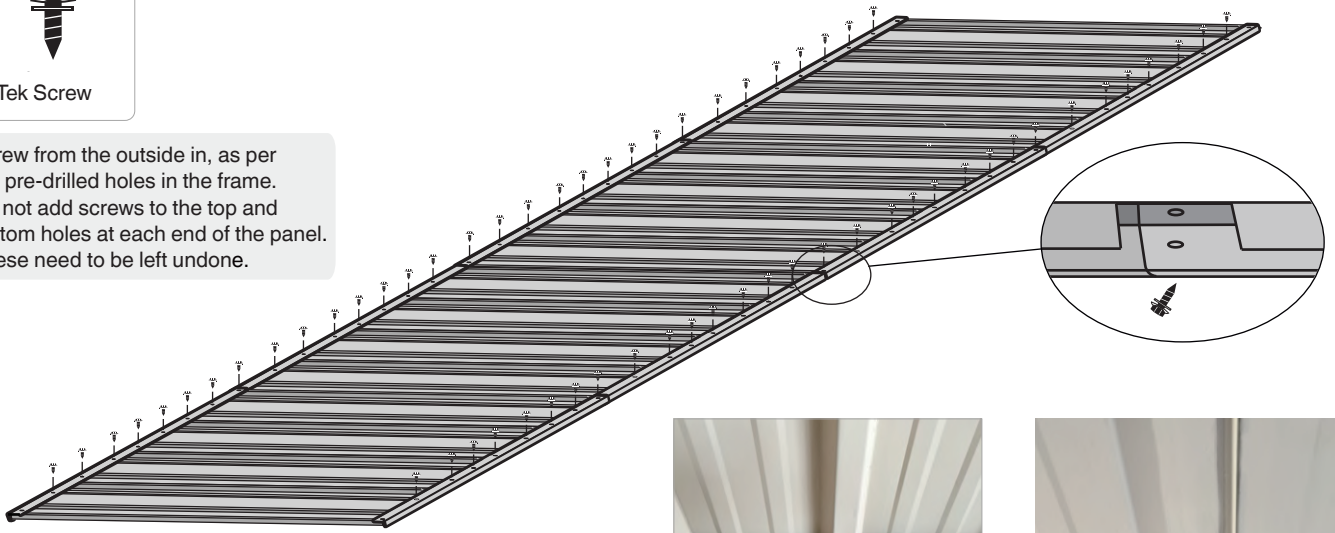
**i** All pre-drilled holes should line up with the peaks of the steel sheet. If this varies squeeze together or stretch out the panels to make sure they line up.

C



Tek Screw

Screw from the outside in, as per the pre-drilled holes in the frame. Do not add screws to the top and bottom holes at each end of the panel. These need to be left undone.



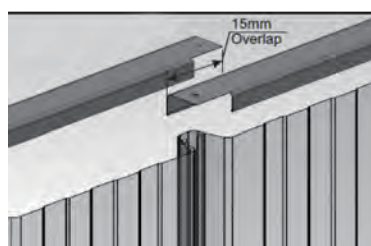
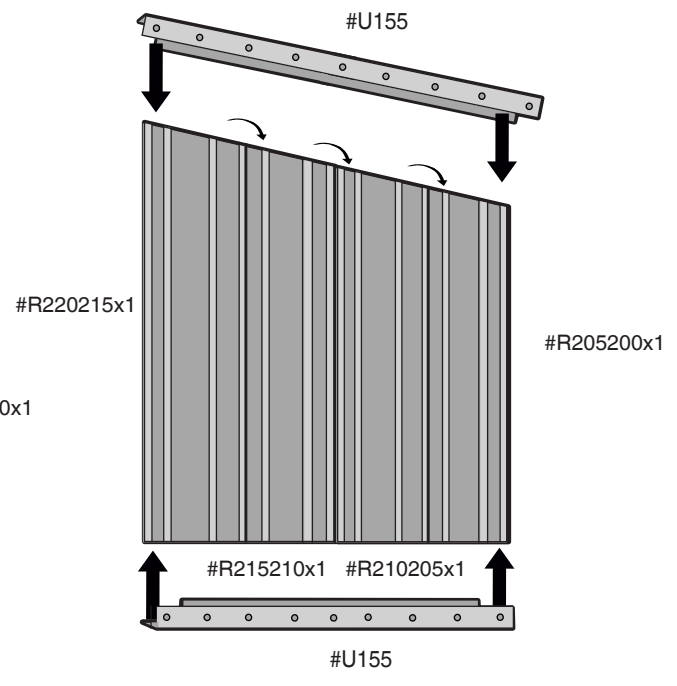
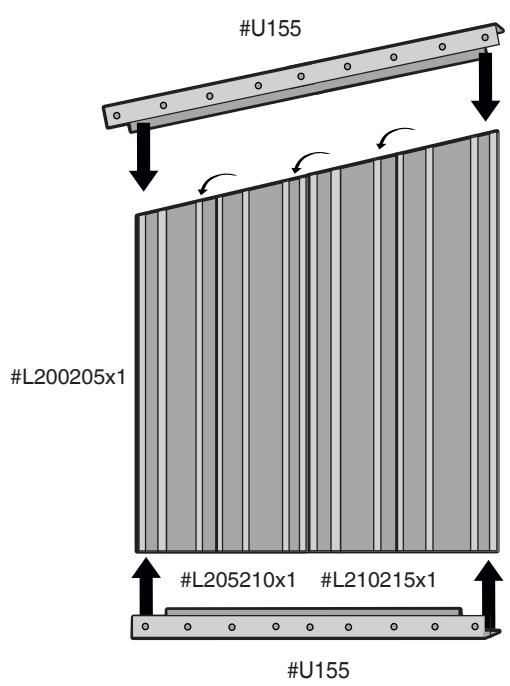
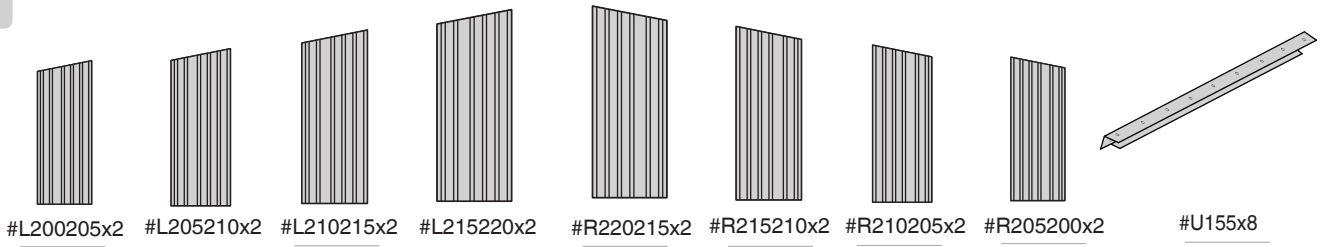
Joint outside



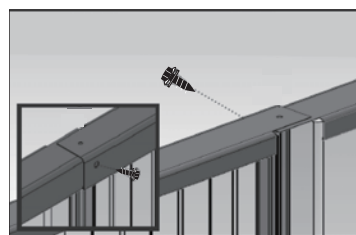
Joint inside

**STEP 3** Assembling the side walls

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U-channel joint



Drill screw in joint

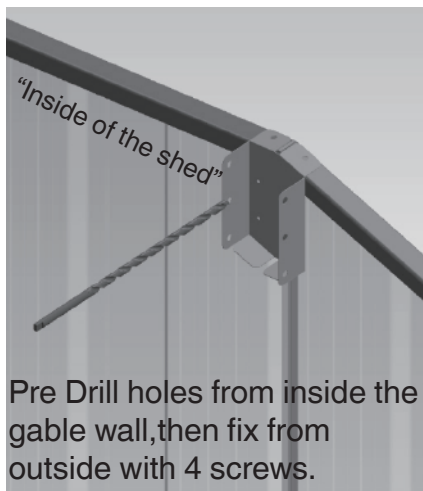
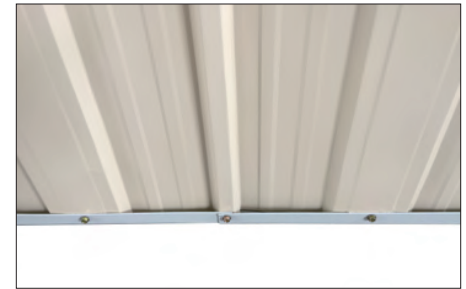
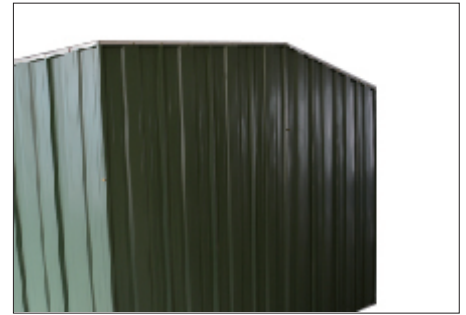
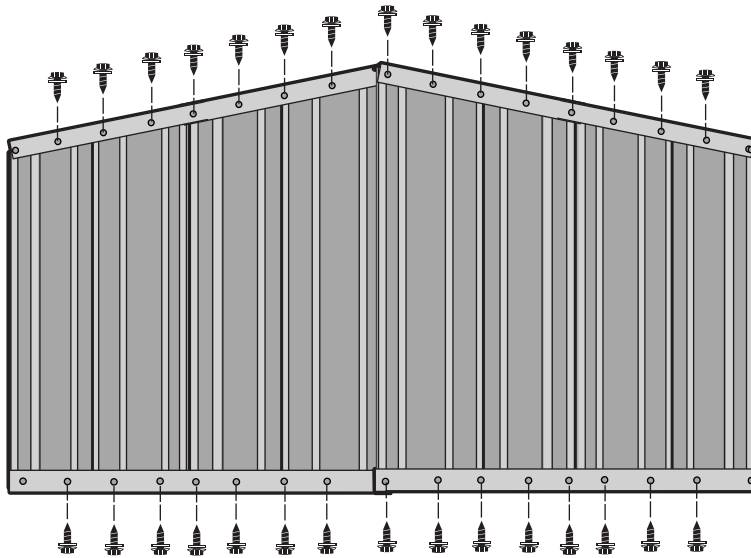


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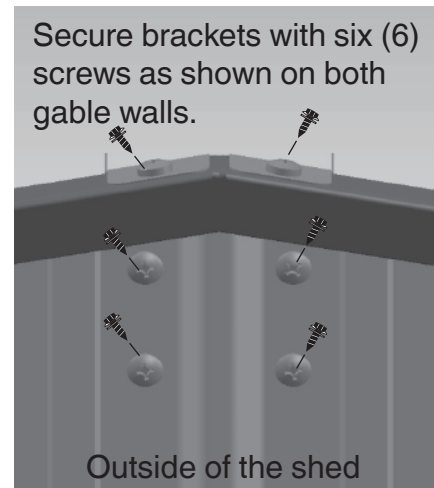


Tek Screw

Ridge Beam Bracket



Pre Drill holes from inside the gable wall, then fix from outside with 4 screws.



Secure brackets with six (6) screws as shown on both gable walls.

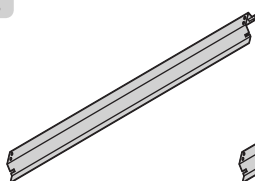
Outside of the shed



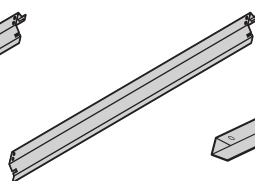
All pre-drilled holes should line up with the peaks of the steel sheet. If this varies squeeze together or stretch out the panels to make sure they line up. Do not add screws to the top and bottom holes at each end of the panel. These need to be left undone.

#### STEP 4 Assembling the front wall panels

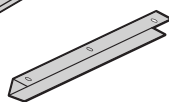
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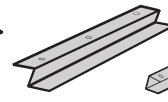
#ML 200x2



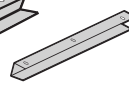
#MR 200x2



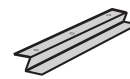
#U148x1



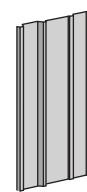
#Z148x1



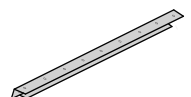
#U0745x1



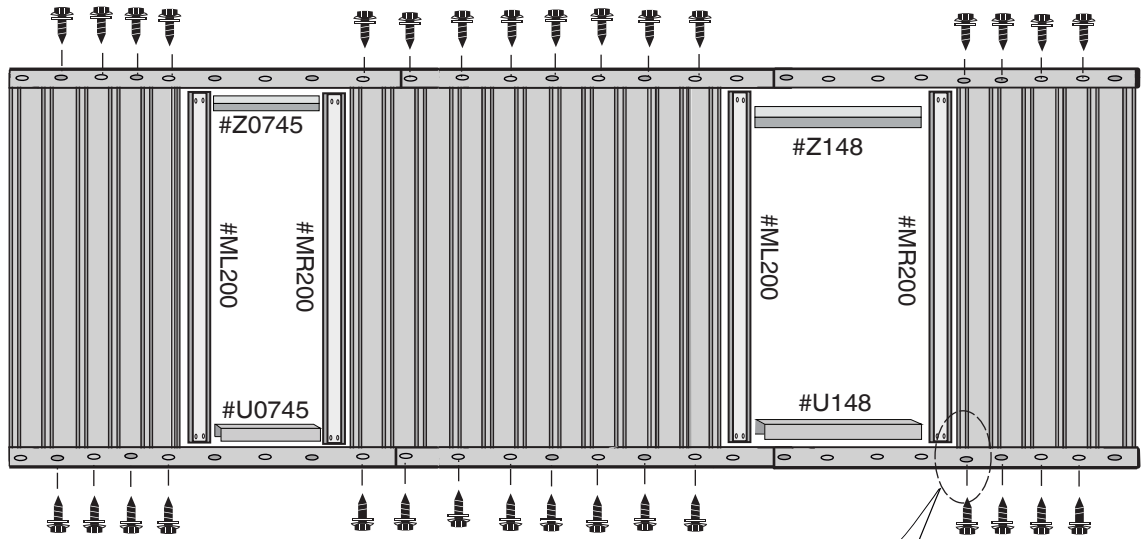
#Z0745x1



#W200x10

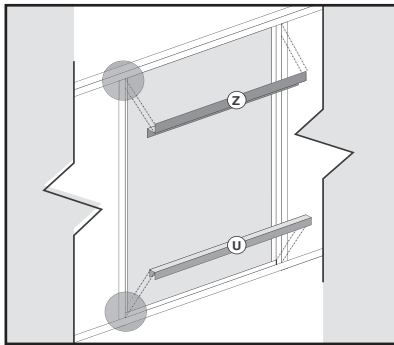


#U155x8

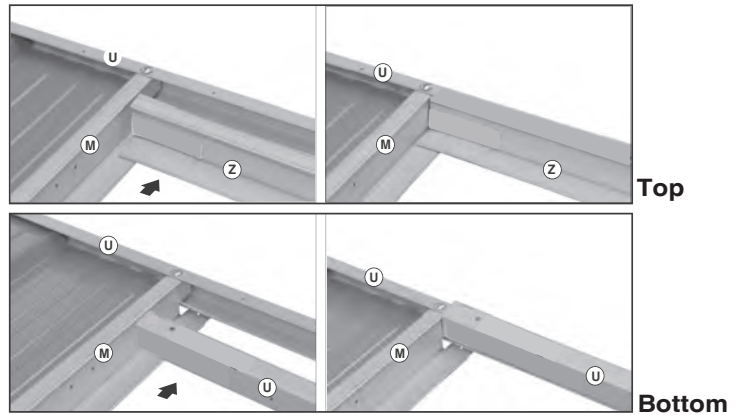


Leave the left and right door frames (#MR180, #ML180) un-fastened at this stage. This will help with any adjustments needed later on. Once the door positioning is finalised, add the necessary screws.

**i** All pre-drilled holes should line up with the peaks of the steel sheet. If this varies squeeze together or stretch out the panels to make sure they line up. Do not add screws to the top and bottom holes at each end of the panel. These need to be left undone.



Fit the top door spacer and the bottom door spacer to the front wall panel as shown. Some pilot holes may need to be drilled with the included 2.5mm drill bit

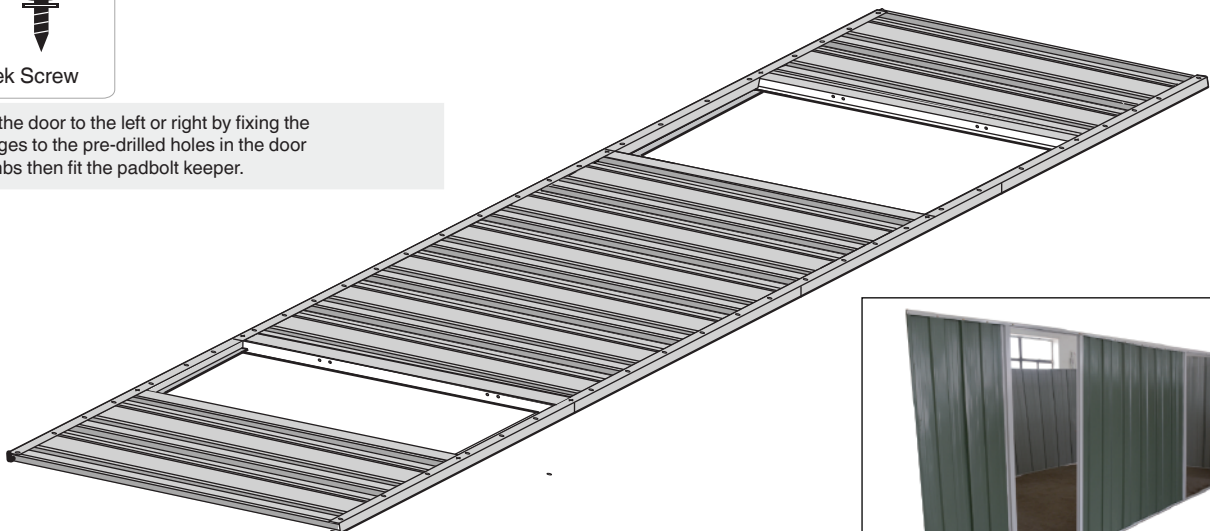


**C**



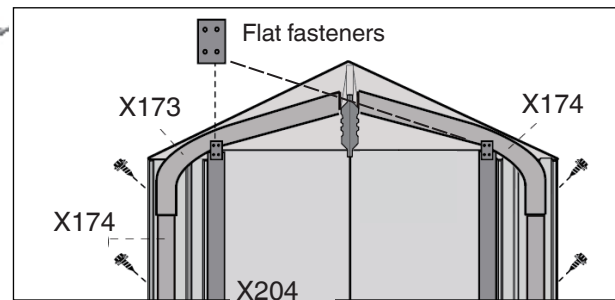
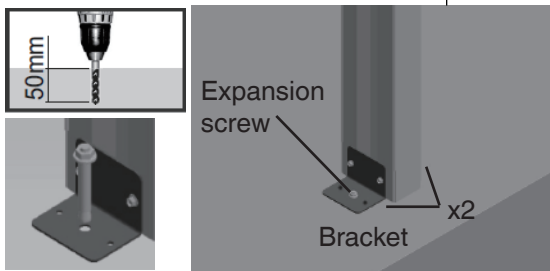
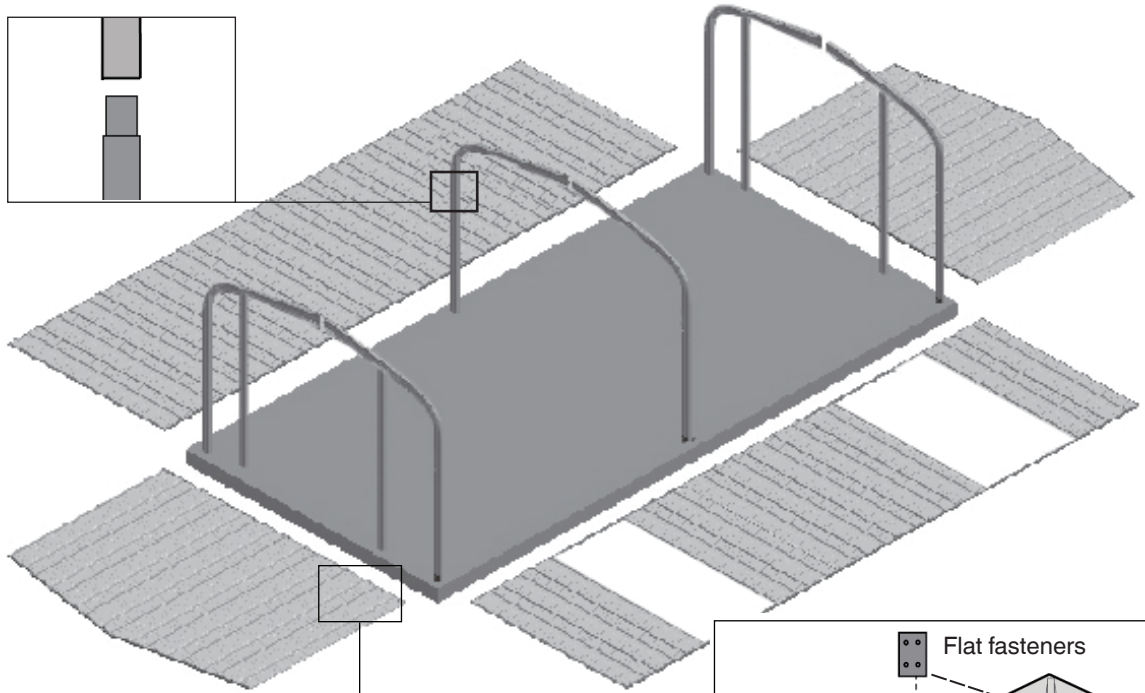
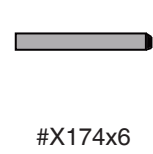
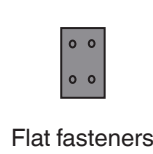
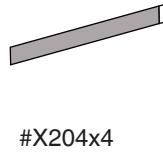
Tek Screw

**i** Fit the door to the left or right by fixing the hinges to the pre-drilled holes in the door jambs then fit the padbolt keeper.

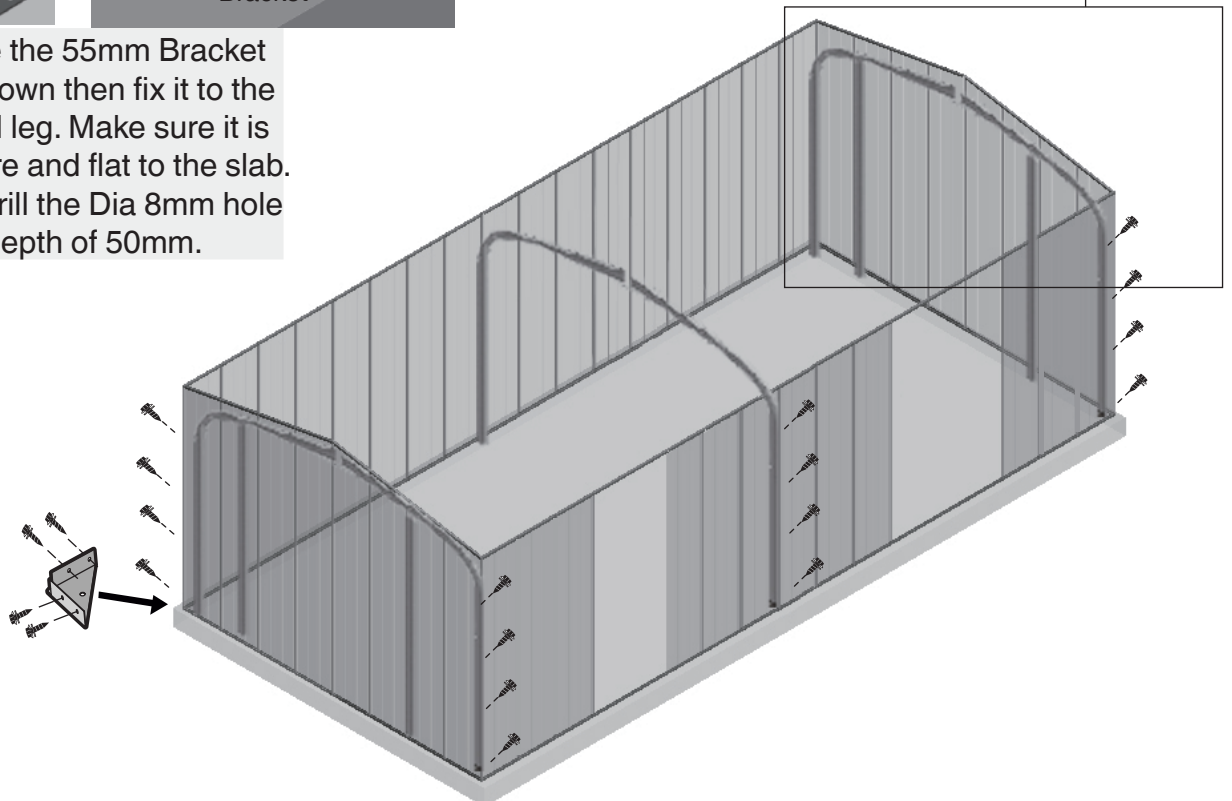


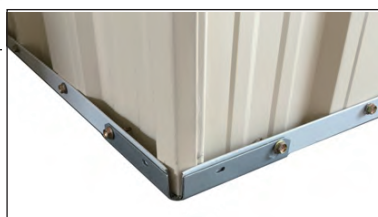
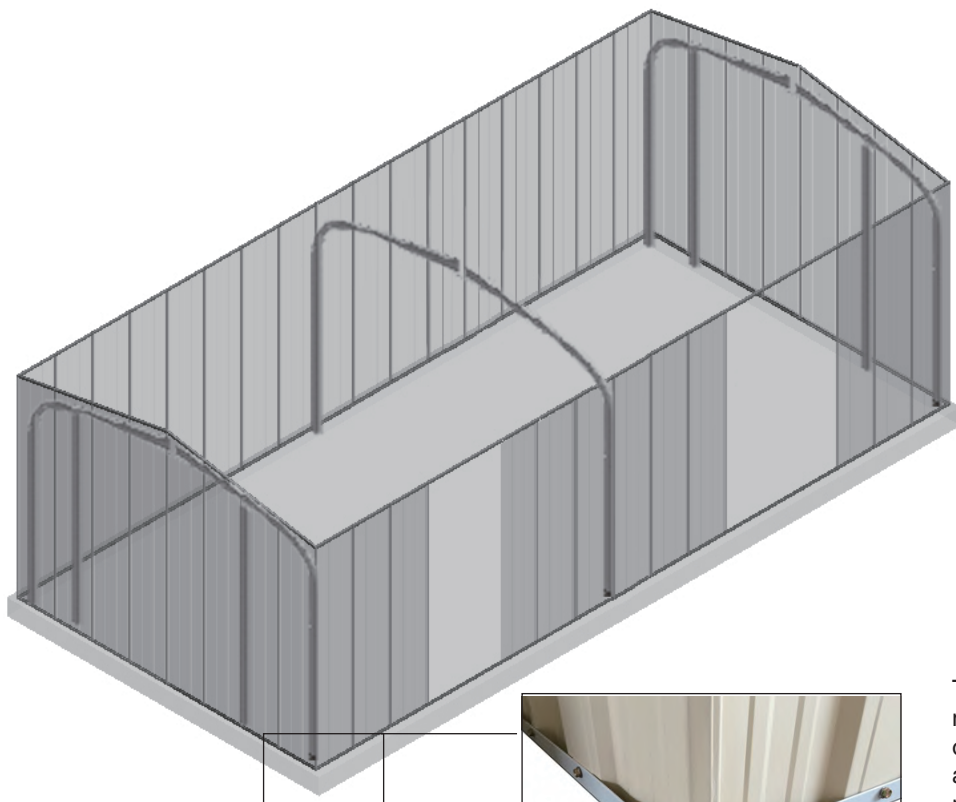
# STEP 5 Assembling the support square tube and constructing the walls

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Place the 55mm Bracket as shown then fix it to the portal leg. Make sure it is square and flat to the slab. Pre drill the Dia 8mm hole to a depth of 50mm.



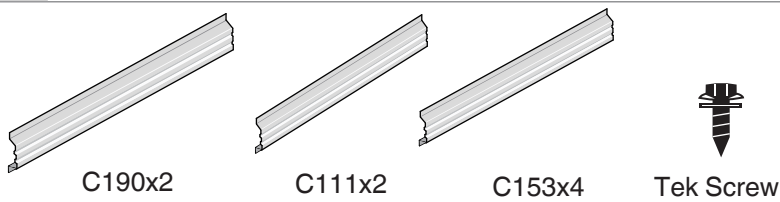


To form a flush corner connection, make sure the end corrugations overlap as shown above. When adding the lower corner brackets, place a spirit level or block of wood underneath the corner of the shed. This will ensure that the two walls being connected stay square as you drill the screws in.

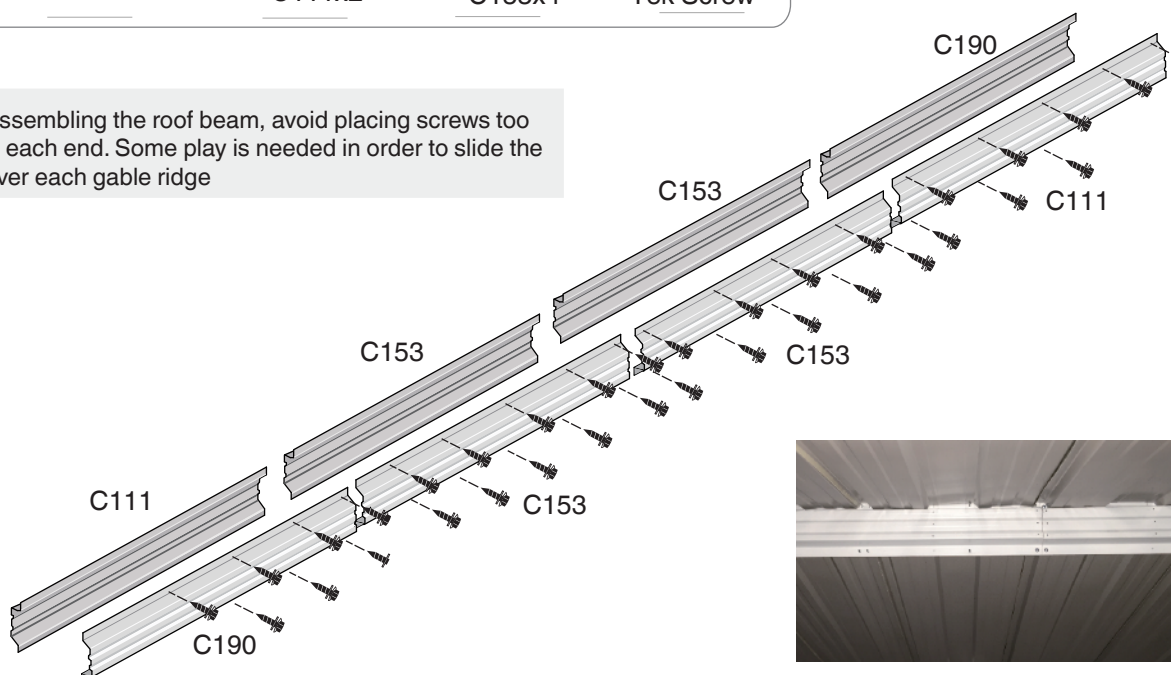
OPTIONAL - Once you have all four walls up and secure, we suggest that you run sealant between the overlapping panels on each corner of the shed. This will protect it from heavy weather. Afterwards, tack the sheets together down the length of each corner.

## STEP 6 Assembling the ridge beam

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When assembling the roof beam, avoid placing screws too close to each end. Some play is needed in order to slide the beam over each gable ridge



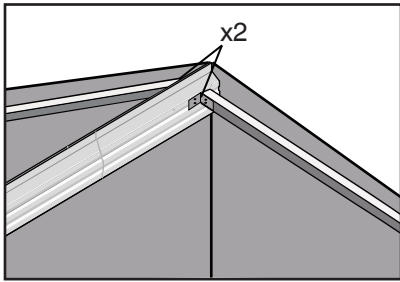
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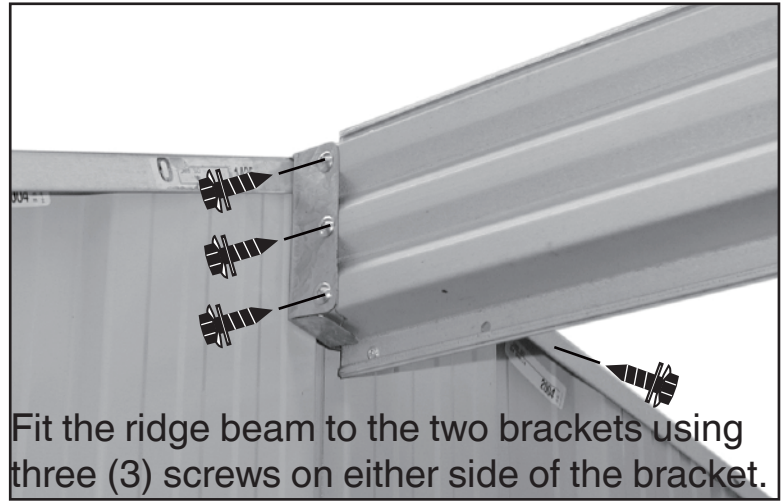
Tek Screw



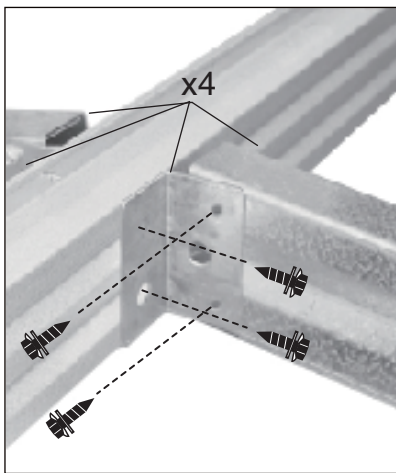
Bracket



**FRONT AND BACK**

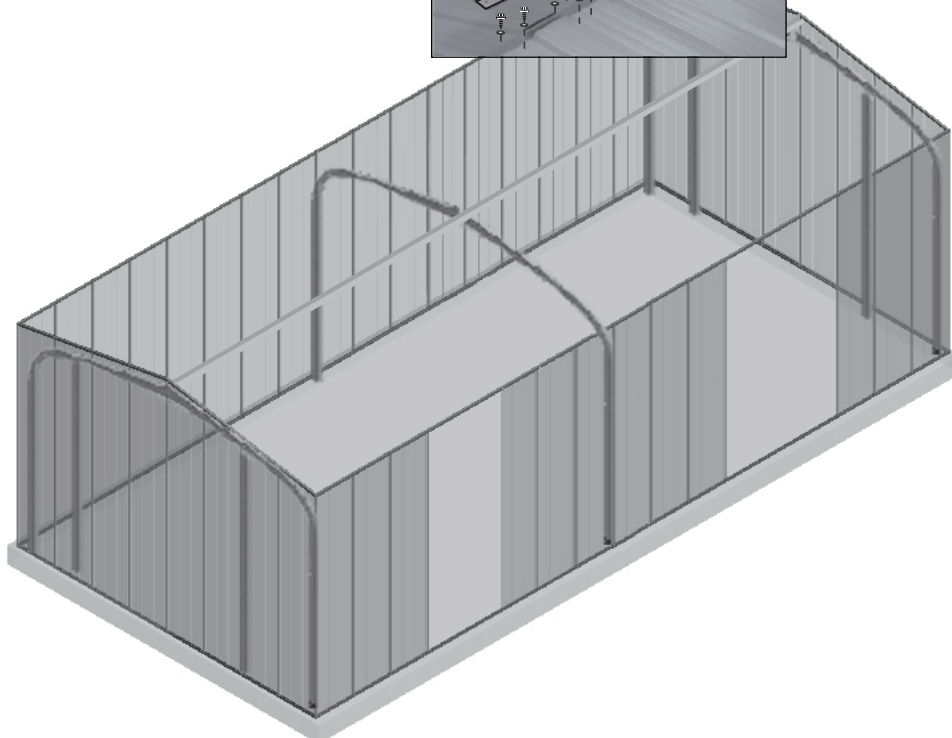
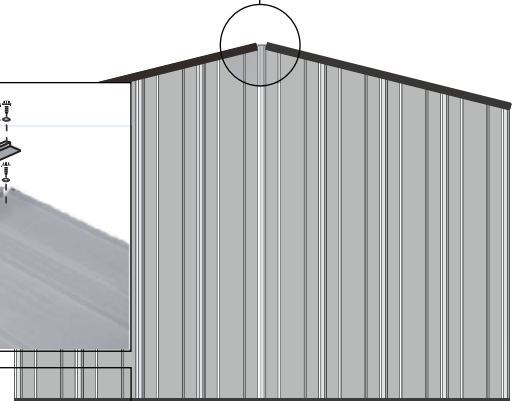
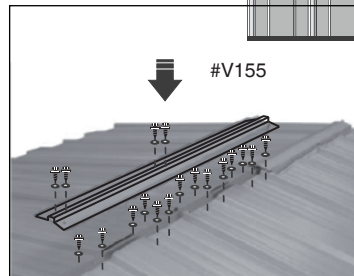
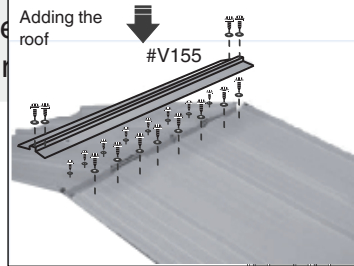


Fit the ridge beam to the two brackets using three (3) screws on either side of the bracket.



**MIDDLE**

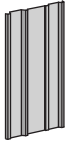
① Support square tube in the middle of the Ridge beam with four L-Brackets





# STEP 7 Assembling the roof

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#P165x32



#V155x4



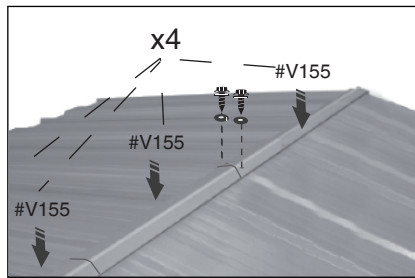
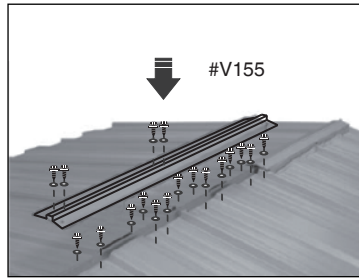
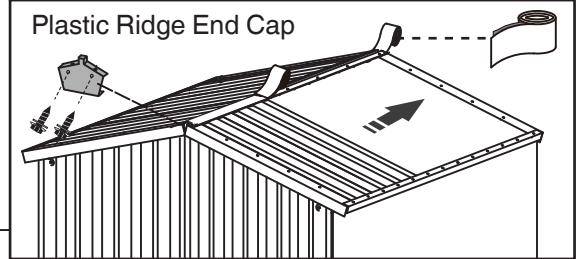
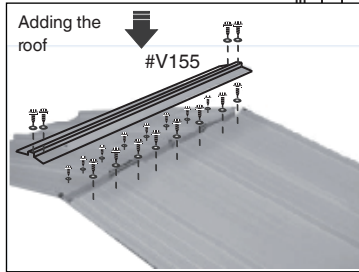
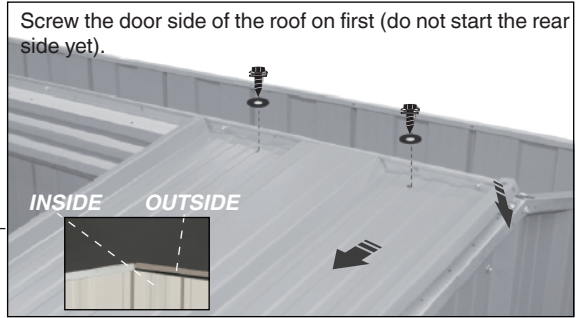
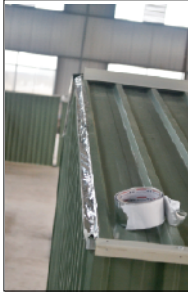
Tek Screw



Weather Stripping



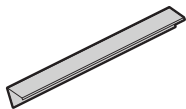
Plastic Ridge End Cap



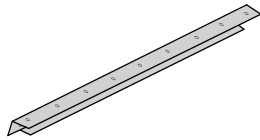
When attaching roof panels, align them to the central roof beam, NOT to the walls as these may shift during final fixing. Screw the panels to the central beam first, this leaves some play available should you need to adjust the roof or walls to ensure the best possible fit. Secure the roof to the wall channels when everything is square.



b



#G165x4



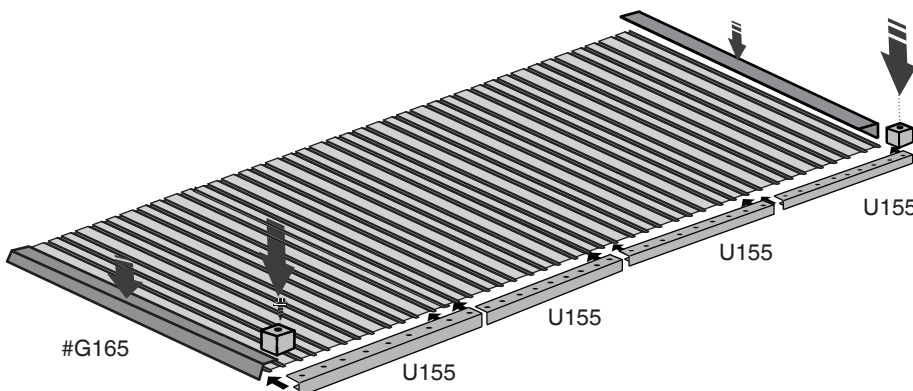
#U155x8



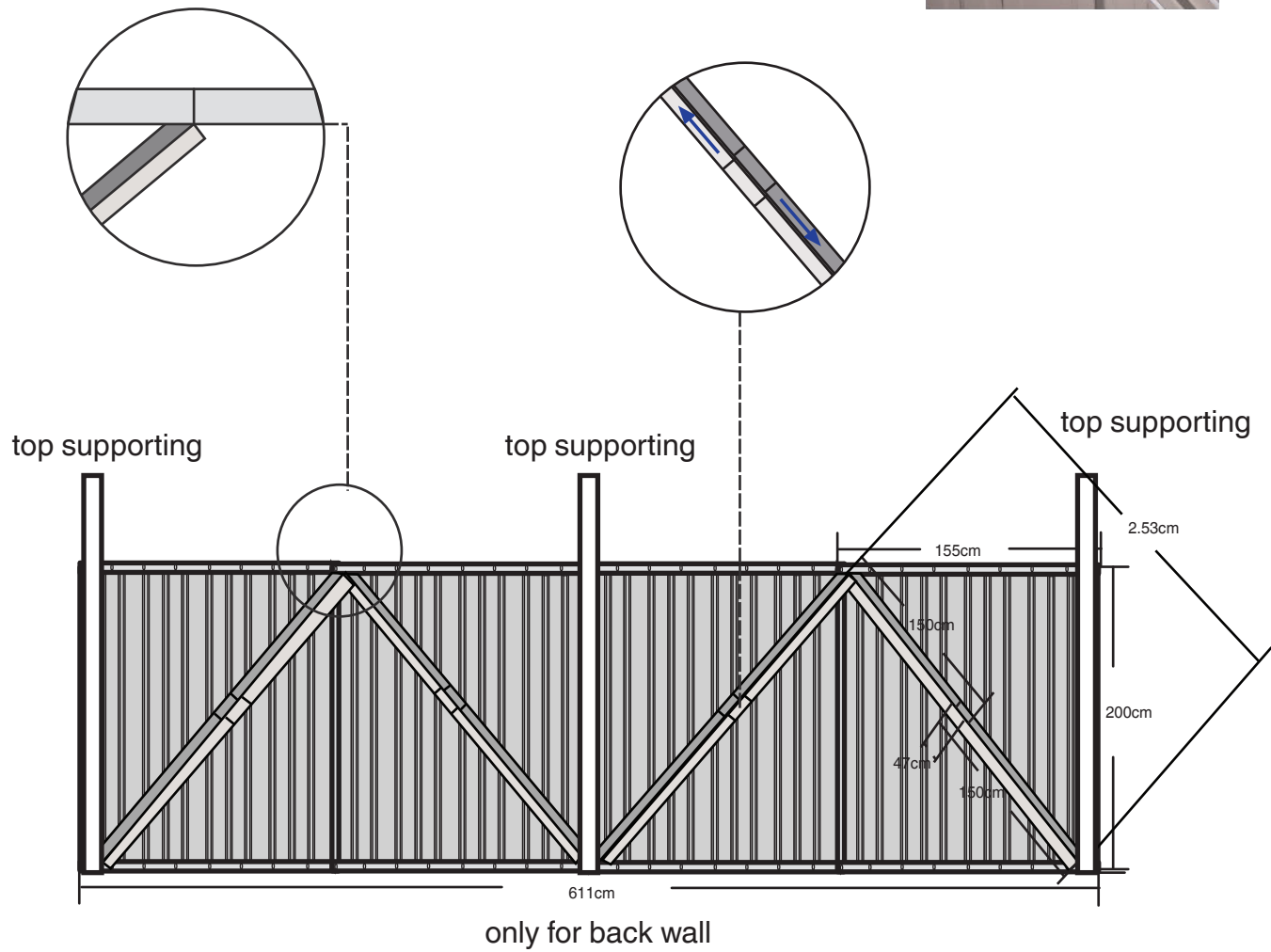
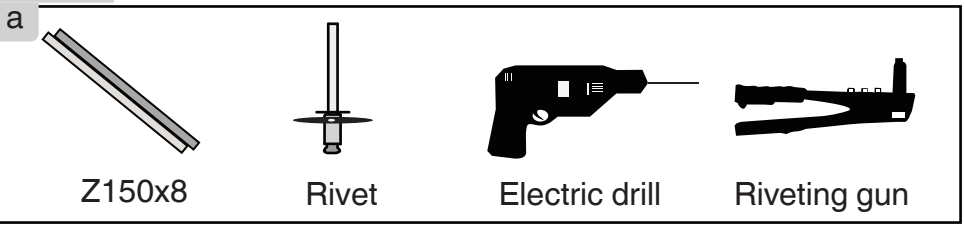
Corner Cover



Tek Screw



**STEP 8** Fitting Wall Bracing



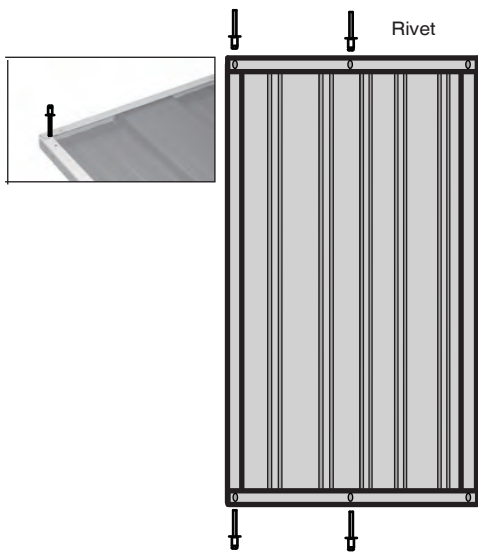
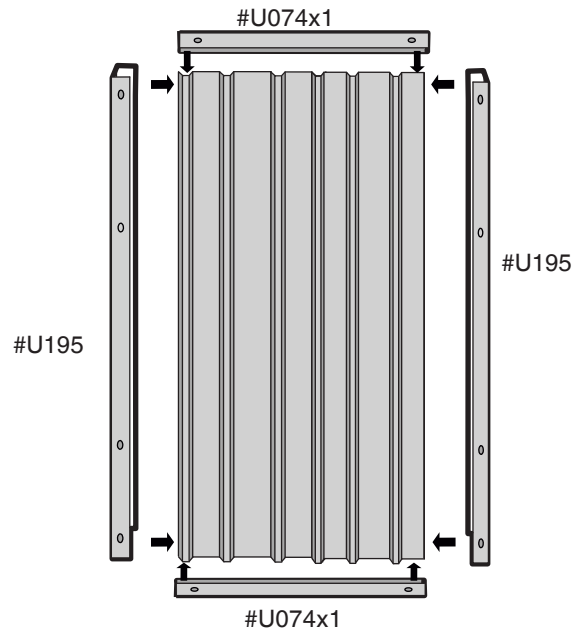
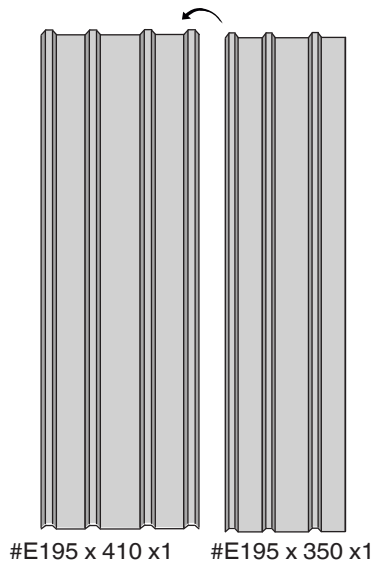
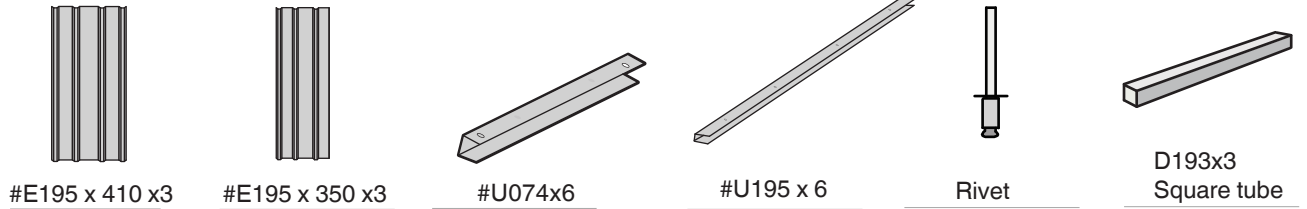
First drill a hole from inside of wall panel, then fixed by rivets from outside. please make 2 holes in middle of connection point and other equidistant holes for the rest of brace.

Take care to ensure that both ends of brace need insert into wall channel when wall brace fit on wall channel.

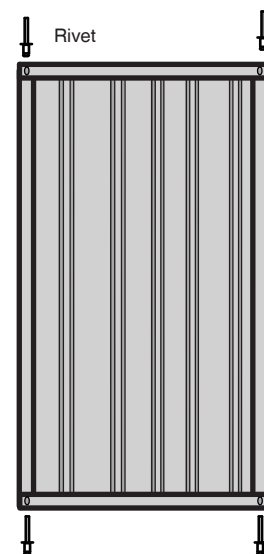


STEP 8 Assembling the door

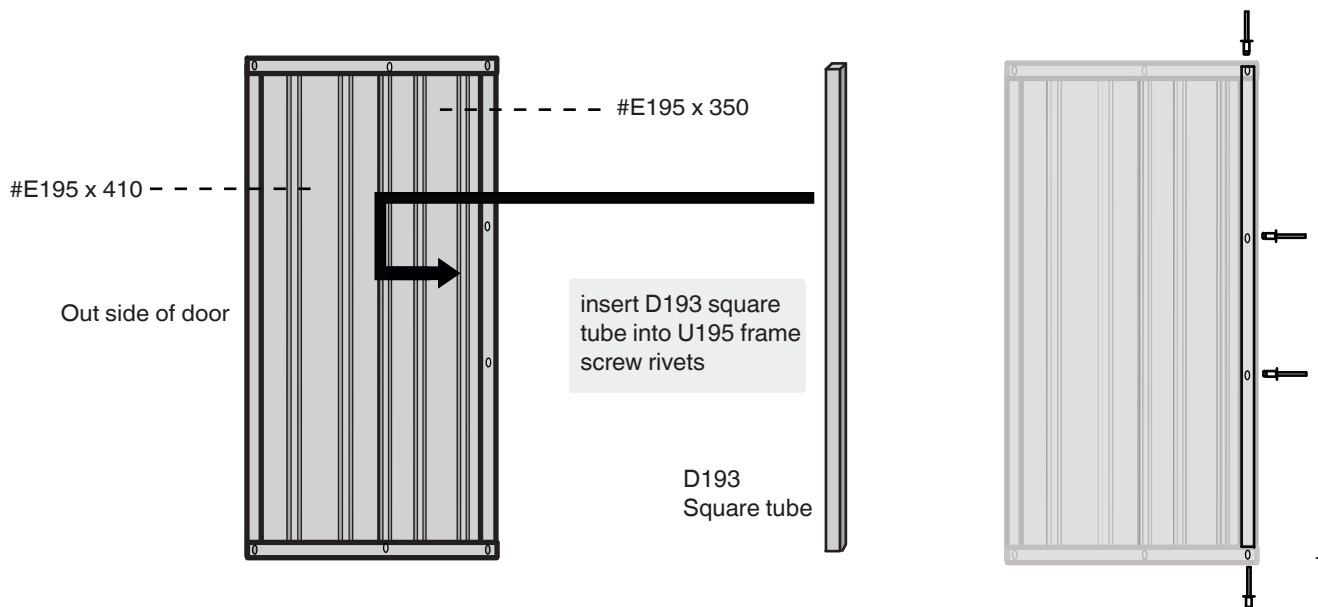
a



Out side of door

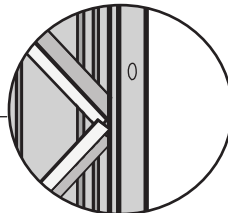
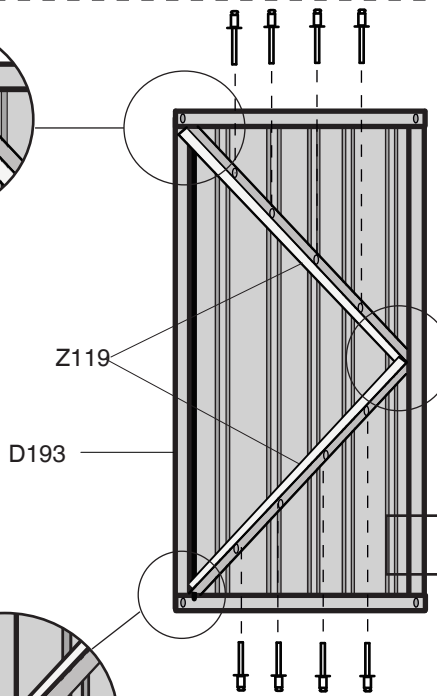
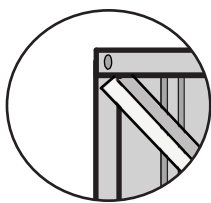
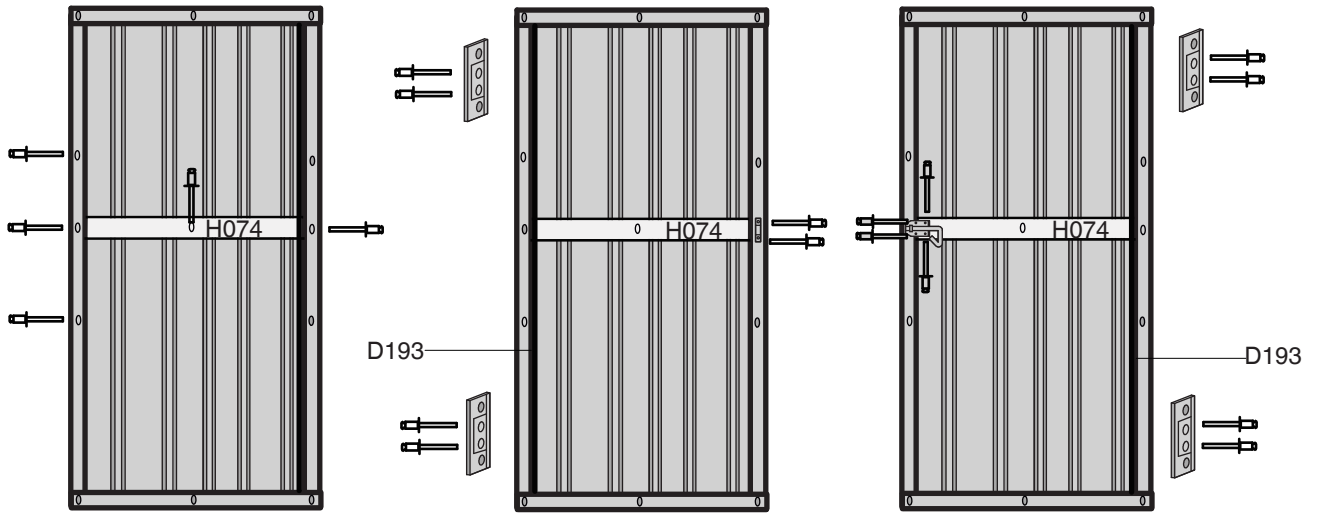
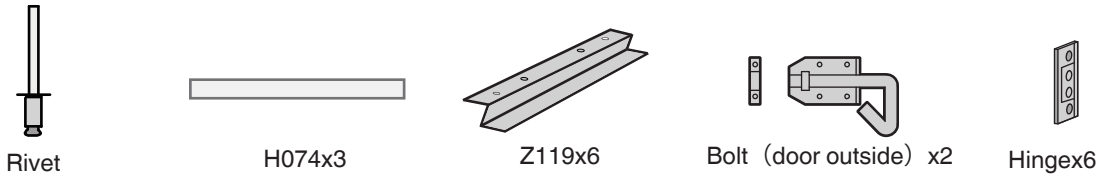


In side of door

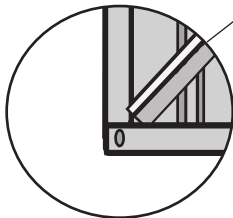




b



Use the drill bit to drill pilot holes through the door bracing into the door sheeting. Flip the door back over to the front side facing up. Using the pilot holes drilled before, fix the door bracing from the front with Rivet and Spacer.



Attach the door hinges 1 'hinge length' from each end of the door. To do this, place the hinge flush with the end of the door frame and make a mark on the frame at the end of the hinge. Now move the hinge down until it is level with mark, drill holes for your rivets and attach.



rivets with washer



galvanized handle



door center strip



door top strip



door bottom strip



door bar



handle hasp



hinges



door inside



door outside



hasp on door



inside bolt for double door



double door

C



Tek Screw



Philips Head Screw

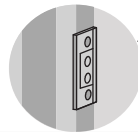
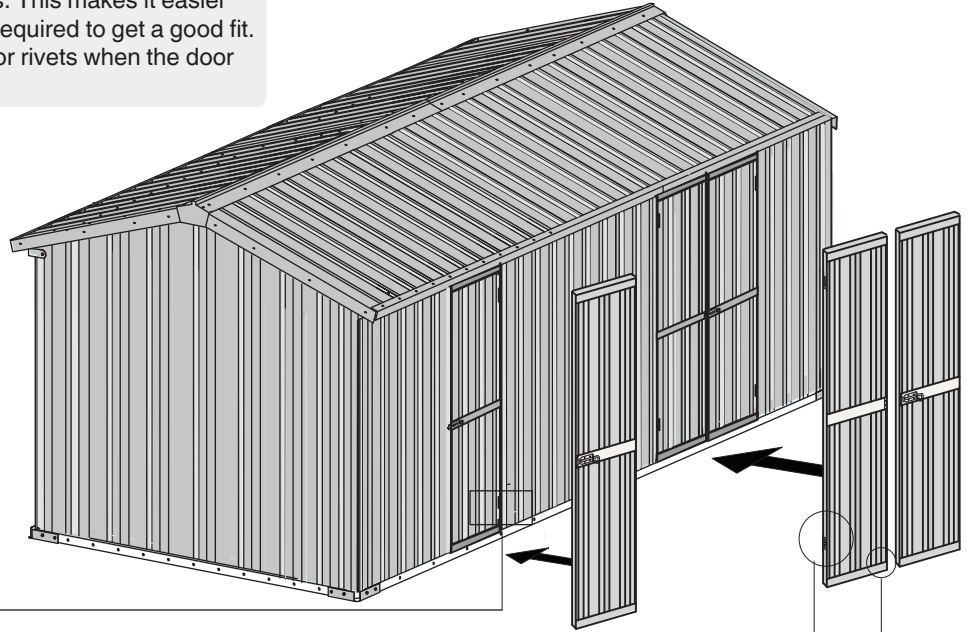


Rivet

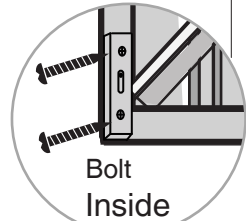


Bolt

When first fitting doors, attach the hinges to the shed using the Philips Head Screws. This makes it easier to change the position later if required to get a good fit. The screws can be changed for rivets when the door position is finalised.

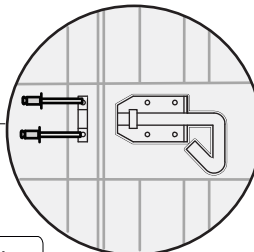
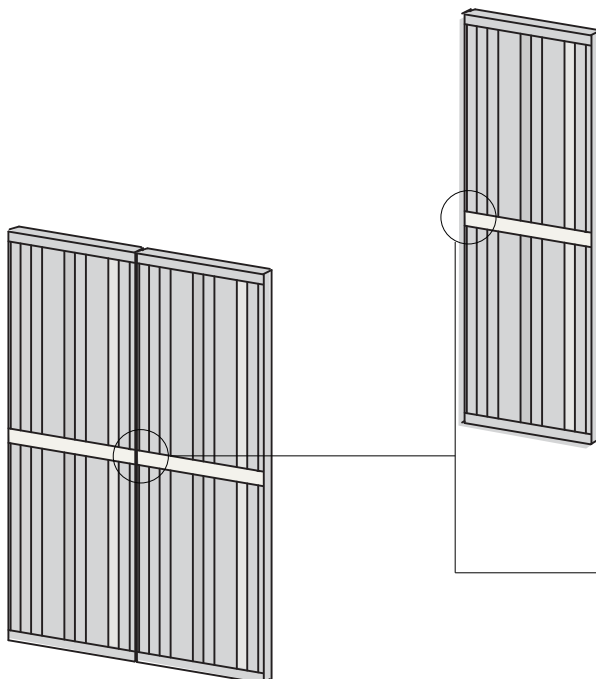


Use the rivet for installation



Bolt  
Inside

Philips Head Screw



Drill pilot holes to accommodate the pad bolt keeper and then fix with rivets

# Door Adjustment Tips

Check that the doors are properly aligned when closed, then if needed adjust door frame/jamb/hinges accordingly. To create or reduce space, adjust the door frames (which have been left unfastened as per Step 3 - C) by sliding them back and forth until the doors sit square. Once you are happy with the door position, add screws to secure the left and right door frames (#ML200, #MR 200). If your shed is not square, more adjustment of screw placement may be needed.



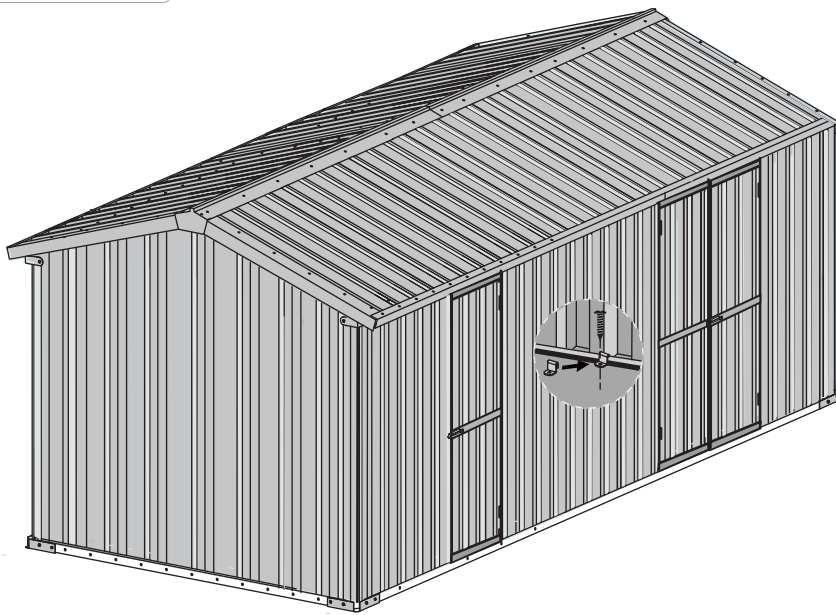
Hook

Anchor x12



Wood Anchor

Screw x12



Once you are happy that your shed is square, level and situated where you want it, fix it to your chosen base with the hook anchors provided

# Care & Maintenance

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## **FINISH**

For a long lasting finish, periodically clean and wax the exterior of your unit. Remember to make sure you remove any metal drill filings after construction as this may cause corrosion. Touch up scratches as soon as you notice them.

## **ROOF**

Keep the roof clear of leaves and snow with a long handled, soft-bristle broom. Heavy amounts of snow on the roof can damage the structure, making it unsafe to enter.

## **DOORS**

Keep doors closed and locked to prevent wind damage.

## **FASTENERS**

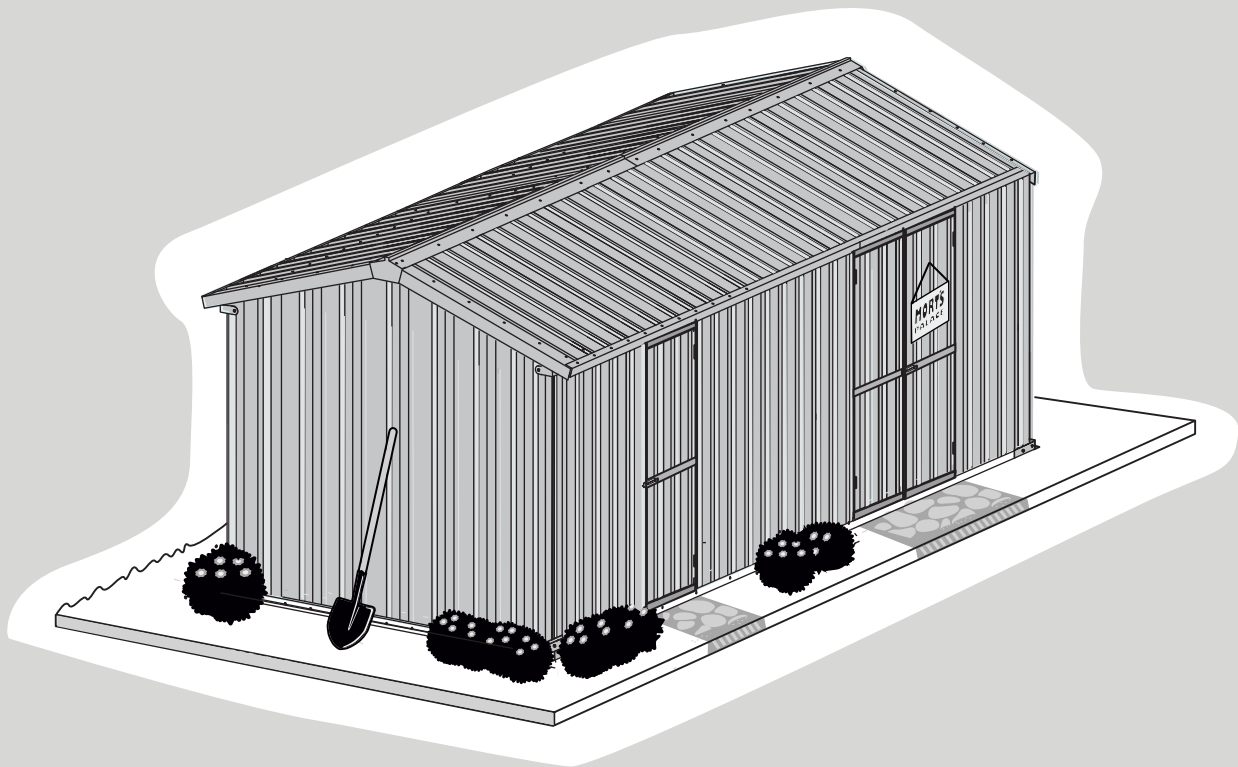
Use all washers supplied to protect the shed panels against weather. Regularly check your building for loose screws or bolts and retighten them as necessary.

## **OTHER TIPS**

- Do not store swimming pool chemicals in your building as they can cause corrosion.
- Use silicone caulking to further watertight seals throughout the building.
- Peel off part number stickers and clean with soap/water.
- Use silicone to further weatherproof seals around the shed (not included).

# CONGRATULATIONS

Now it's up to you to add those finishing touches.



Still having trouble? Just give us a call or send us an email. Head over to [tradetested.co.nz](http://tradetested.co.nz) or [tradetested.com.au](http://tradetested.com.au) for all of our contact details and opening hours. We will be able to help.

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