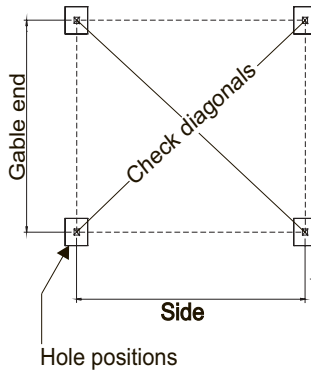


Heritage Garden Sheds

ASSEMBLY INSTRUCTIONS



STEP 1

If fixing the columns into the ground, mark out the footing hole locations with stakes and check that the diagonal measurements are equal. (refer to figure 1.1 and table 1.1) Note: * Indicates door side in table 1.1.

STEP 2

Dig post holes as illustrated in figure 1.2. Place a half brick in the bottom of the hole to ease settlement.

Alternatively, a bolted footing bracket is available if fixing to an existing concrete slab. (Refer to Step 10)

	GABLE END	SIDE	DIAGONAL
Model 1	2328mm (7'8")	2328*mm (7'8")	3292mm (10'10")
Model 2	2328mm (7'8")	3098*mm (10'2")	3875mm (12'9")
Model 3	3098mm (10'2")	3098*mm (10'2")	4381mm (14'5")
Model 4	2328mm (7'8")	3860*mm (12'8")	4508mm (14'9")

table 1.1

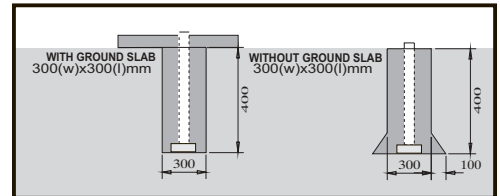


figure 1.2, Footing details

STEP 3

Layout one complete end frame on the ground consisting of:

Model 1, 2 and 4

- 2 columns
- 2 rafters
- 1 gable end girt (bottom)
- 2 eaves knuckles
- 1 ridge knuckle

Model 3

- 2 columns
- 2 rafters
- 2 gable end girts (top & bottom)
- 2 eaves knuckles
- 1 ridge knuckle

STEP 4

Insert the eaves knuckles into the column and rafter ends, and the ridge knuckle into the two remaining rafter ends.

Ensure that the flat side of the columns and rafters are facing out. In fact, each beam has a flat edge with a double wall thickness which should always face outwards. This provides a thicker wall section when fixing the wall sheets to the frame.

Fix each end with two 10x16 self drilling screws, locating them approximately 25-30mm from the knuckle as illustrated in figure 2.2 and 2.3. This will allow enough room (approx 75mm) for fixing the side girts (step 11).

STEP 5

To fix the end girt, secure a beam bracket 600mm in from the bottom of each column as illustrated in figure 2.4. Use two 10x16 self drilling screws.

Slide the end girt into the beam bracket and fasten with one 10x16 self drilling screw on each side of the bracket.

For Model 3, fasten the additional end girt between the eaves connections as described above.

STEP 6

Ensure the end frame is square by checking the diagonal measurements.

STEP 7

Fix the pre-cut angled wall sheets to the end frame with 10 x 16 self drilling screws. Use 5 screws per sheet, per girt, fixing through the "pan" of the profile.

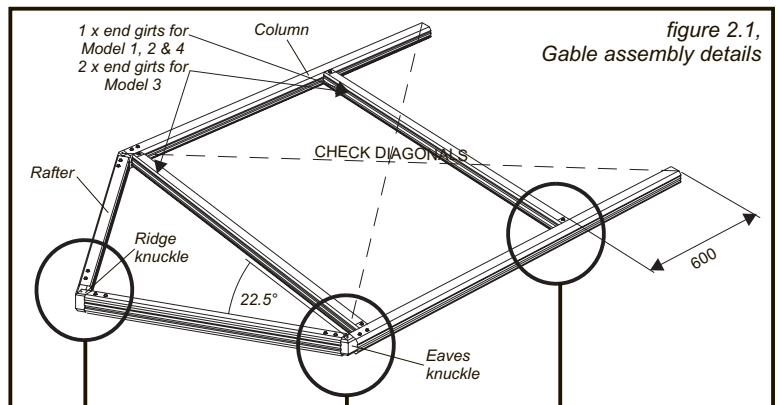


figure 2.1, Gable assembly details

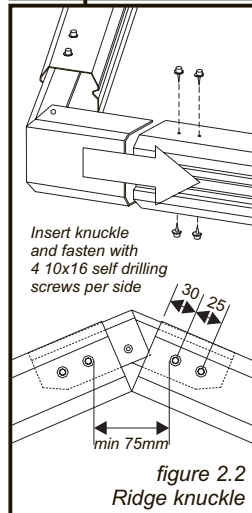


figure 2.2 Ridge knuckle

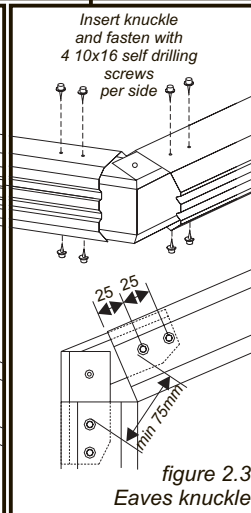


figure 2.3 Eaves knuckle

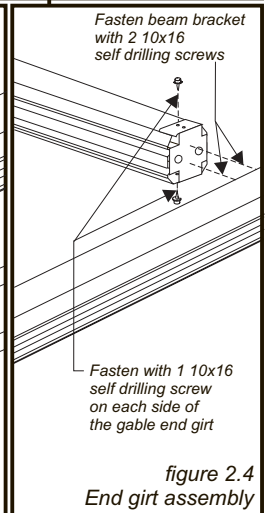


figure 2.4 End girt assembly

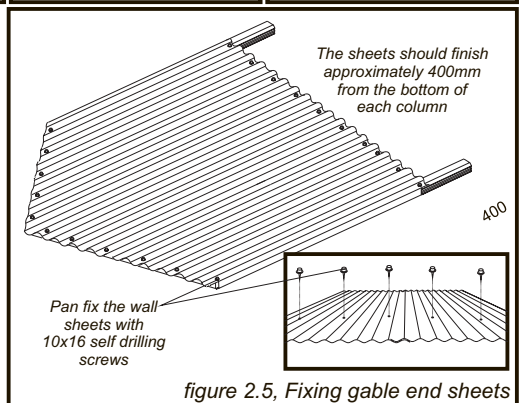


figure 2.5, Fixing gable end sheets

Heritage Garden Sheds

ASSEMBLY INSTRUCTIONS

STEP 9

Before tilting the frames into position, locate and fix three additional beam brackets to the end frame at the ridge joint, eaves joint, and 600mm in from the bottom of each column. Use two 10x16 self drilling screws per bracket as illustrated in *figure 3.1, 3.2, & 3.3*.

STEP 10 (If fixing the columns into the ground with concrete)

If fixing the columns into the ground carefully tilt each side panel into position and place the columns in the holes.

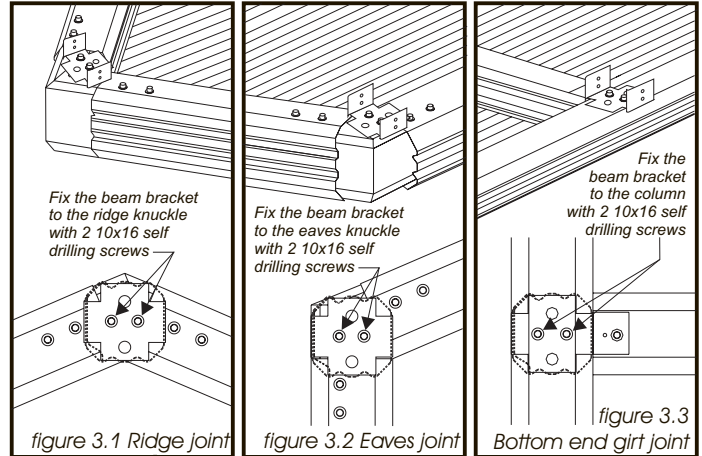
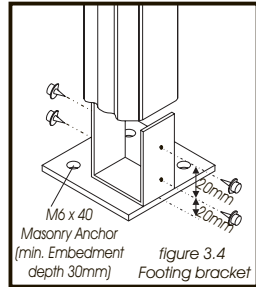
Temporarily brace in position and check the wall height is 1950mm. If necessary adjust the hole depth, or alternatively cut a small amount from the column.

STEP 10 (If fixing the columns onto concrete with a footing plate)

If fixing the columns with footing brackets, columns will need to be cut to length.

Slide the footing bracket into the bottom of the column and fasten with 2 12x20 self drilling screws either side as illustrated in *figure 3.4*.

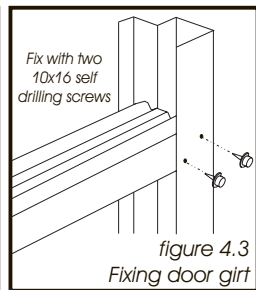
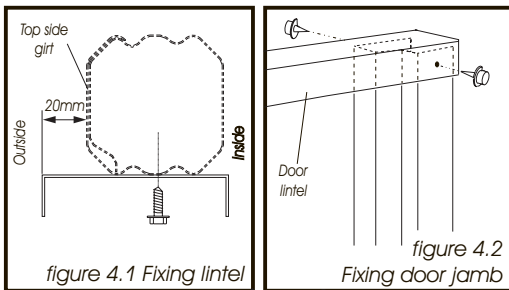
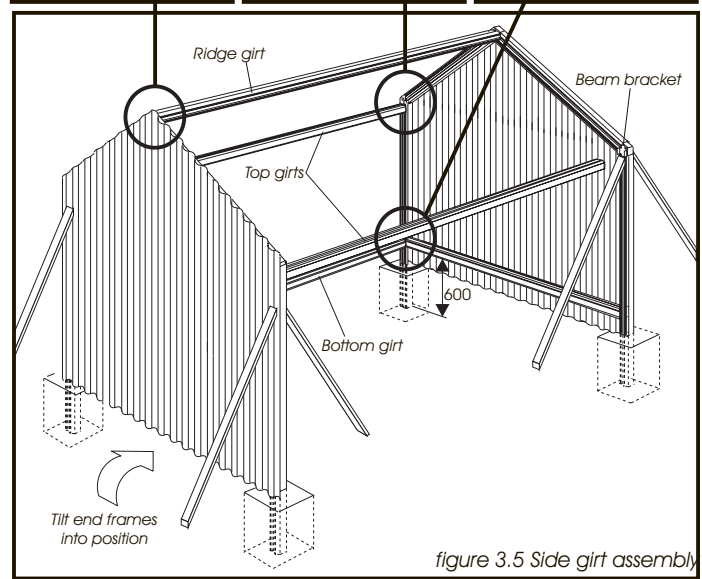
Tilt each end panel into position and temporarily brace. The columns are not to be bolted to the concrete slab at this Stage.



STEP 11

To secure the side girts slide the bottom, top and ridge girt into the beam brackets and fasten with one 10x16 self drilling screw as illustrated in *figure 3.5*.

Check the frame is square by ensuring the diagonal measurements are the same and the columns are vertical or plumb with a spirit level.

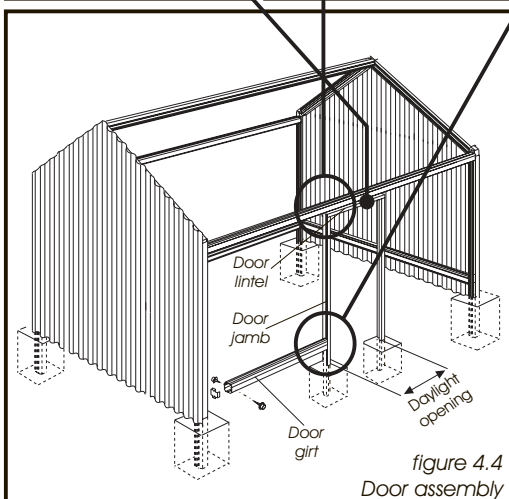


STEP 12

The position of the PA door is one sheet in from the end wall. Two pre-cut beam lengths have been supplied as door girts. Use these lengths to determine where the door will be positioned.

STEP 13

Dig the door jamb footings at 400mm wide x 400mm deep. If bolting to concrete, cut the door jamb to length, so it sits snugly between the lintel and concrete slab.



STEP 14

Position and fix the door lintel to the bottom side of the top girt with three 10 x 16mm self drilling screws. Ensure that the lintel is located so the front lip protrudes by approximately 20mm. This is illustrated in *figure 4.1*.

Determine which side the door will open and fix the jamb from which the door is to be hung to the lintel with two 10 x 16 self drilling screws on each side as illustrated in *figure 4.2*.

STEP 15

Fit one of the the door girts between the door jamb and end frame with two 10 x 16 self drilling screws as shown in *figure 4.3*.

STEP 16

Concrete the columns and door jamb into position. If fixing onto a concrete slab, bolt the footing plates with three M6 x 40 masonry anchors, and the door jamb using a 45mm angle bracket with an M10 x 20 hex head bolt and M6.0 x 40 masonry anchor. Concrete to have a minimum strength of 20MPa.

Heritage Garden Sheds

ASSEMBLY INSTRUCTIONS

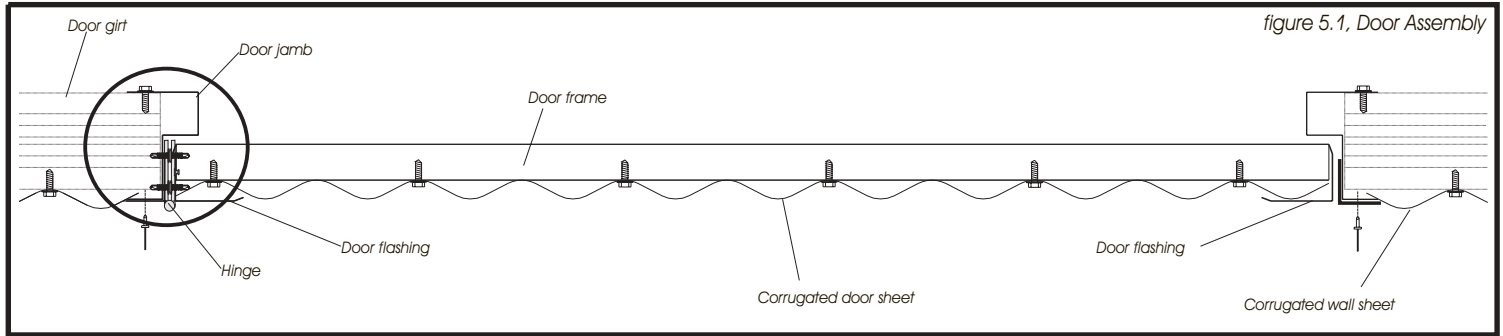


figure 5.1, Door Assembly

STEP 17

Panel fix the 1840mm long corrugated sheet to the door frame with 10 x 16mm self drilling screws. Note that the door frame is the full width of the corrugated sheet.

Cap each side of the door with the flashing supplied. Fasten with four pop rivets at 450mm centres.

STEP 18

Fix two 100x75 butt hinges to the door frame with the 10X16 wafer head screws provided. This is shown in figure 5.2.

STEP 19

Position the door and screw it to the door jamb with the additional 10X16 wafer head screws as illustrated in figure 5.2.

STEP 20

Adjust the other jamb to suit and screw to the door lintel.

STEP 21

Fix the remaining door girt between the column and door jamb as completed in step 15.

STEP 22

Concrete or bolt the additional door jamb into position.

STEP 23

To fix the "T" bar handle to the door, drill an 11mm diameter hole directly into the 25x25mm tube support in the centre of the door frame.

Fix the door handle with two 12x45 self drilling screws as illustrated in figure 6.1. Slide the door tongue striker over the handle shaft and fasten.

STEP 24

After the door has been fixed, start the installation of the wall sheets from one end and work toward the other end wall.

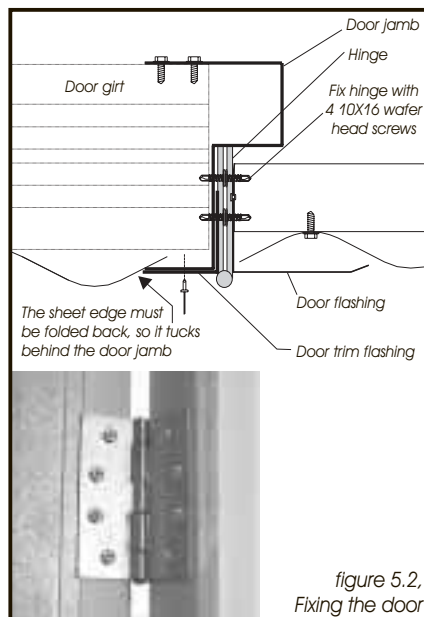


figure 5.2, Fixing the door

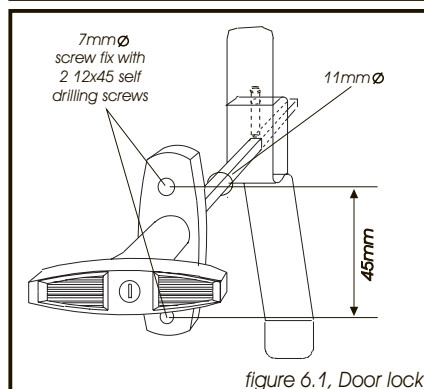


figure 6.1, Door lock

Where the PA door interrupts the sheeting run, start sheeting from the door opening and work towards each end.

Note that the wall sheets will need to be notched at the lintel. The sheet edge can then be folded back so it tucks behind the door jamb as illustrated in figure 5.2 and 7.1.



figure 7.1, Notch wall sheet

To avoid cutting the sheets, the sheets may need to be lapped several times.

The sheets should be fastened to the top and bottom girts with 10x16 self drilling screws. (Refer figure 7.2)

STEP 25

Pop rivet the corner flashings to the wall sheets every 600mm.

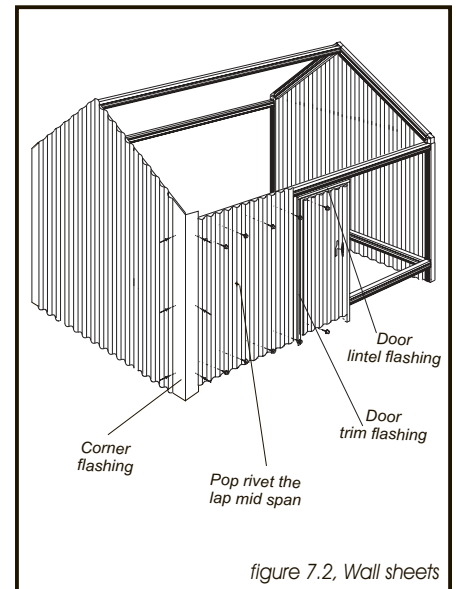


figure 7.2, Wall sheets

STEP 26

Pop rivet the door trim flashing and door lintel flashing to the jamb and lintel.

STEP 27 (If fixing Gutter and Downpipe, otherwise please continue from step 30)

Pop rivet a left and right hand stop end to each length of gutter. Seal with silicone.

STEP 28

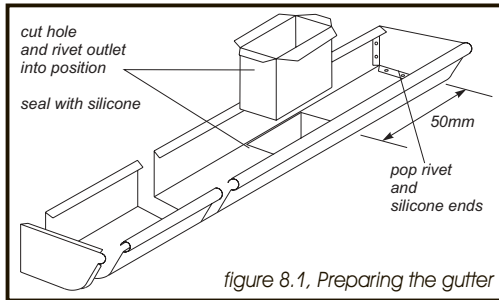
Cut a hole for each downpipe outlet, as shown in figure 8.1. Rivet the outlet into position and seal with silicone.

Heritage Garden Sheds

ASSEMBLY INSTRUCTIONS

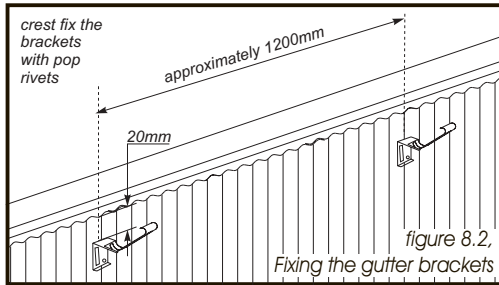
STEP 29

Crest fix the gutter brackets 20mm from the top of the wall sheets at 1200mm centres with pop rivets as illustrated in figure 8.2.



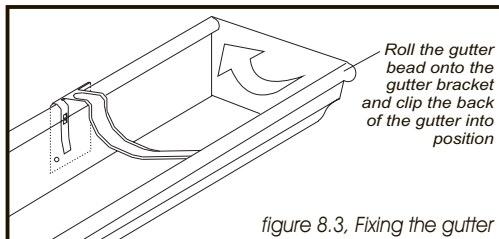
STEP 30

Once the gutter brackets have been installed, roll the gutter bead onto the gutter bracket and clip the back of the gutter into position. (Refer figure 8.3)



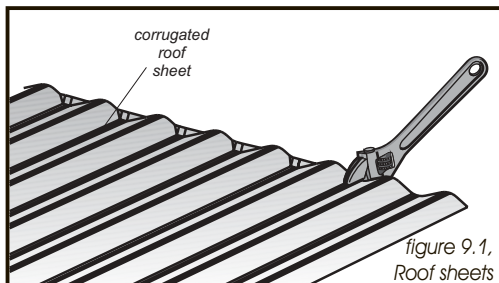
STEP 31

Fit the downpipe to the pre-installed downpipe outlet using pop rivets. Fix against the wall sheets using downpipe straps and pop rivets.



STEP 32

Turn the valley flute of every corrugated roof sheet upwards as illustrated in figure 9.1. This will aid in water proofing the garden shed.



STEP 33

Fix the roof sheets, starting from one end of the garden shed.

Ensure the first sheet is square with the frame and that the roof sheets overhang into the gutter by approximately 50 mm.

Crest fix the sheets with 12 x 35mm self drilling screws with neoprene washers, using 5 screws per sheet, per girt. Remember the last sheet may need a greater overlap to ensure the roof finishes as close as possible to the end of the shed.

STEP 34

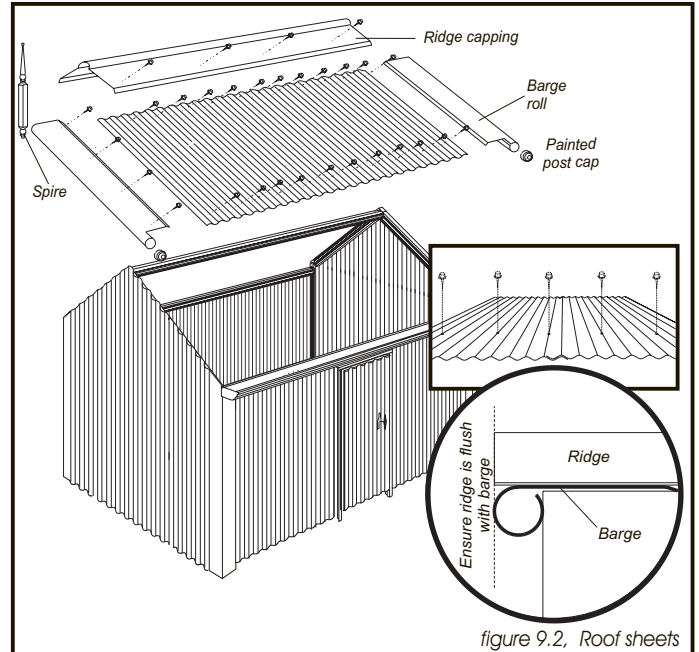
If gutter has not been attached, fix the sheeting capping to the edge of the corrugated roof sheets with pop rivets at 300 mm centres.

STEP 35

The barge roll must be fixed to the roof sheets at 600mm centres with 12 x 35 self drilling screws with neoprene washers. Notch the end of the barge if gutter has been fixed. Cap each length of barge with a painted post cap as shown in figure 9.2. Note: Do not over screw as the barge will ripple.

STEP 36

Fit the ridge capping flush with the end of the barge, at 600mm centres with 12 x 35 self drilling screws.



STEP 37 (If fixing a spire)

Drill a 5mm diameter hole into the corrugated sheeting directly in line with the apex of the ridge. The hole should be approximately 192mm (for 700mm spire), or 392mm (for 900mm spire) from the top of the ridge.

Fix the spire to the top of the ridge with one 12x35 self drilling screw as illustrated in figure 10.1.

Remove one nut and washer from the bolt welded to the base of the spire.

Check the spire is vertical and plumb with a spirit level, and thread the bolt through the 5mm hole. Fasten with the remaining washer and nut and seal with silicone.

