HANDI-HERITAGE SHED

MODELS H1, H2, H3, H4

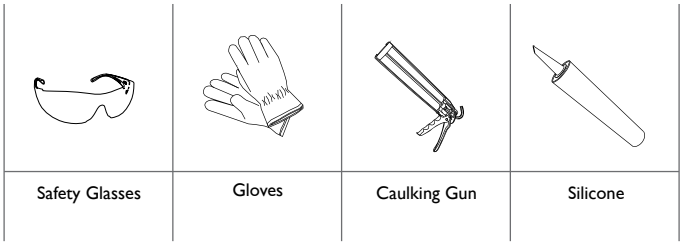
INSTALL GUIDE

BEFORE YOU START

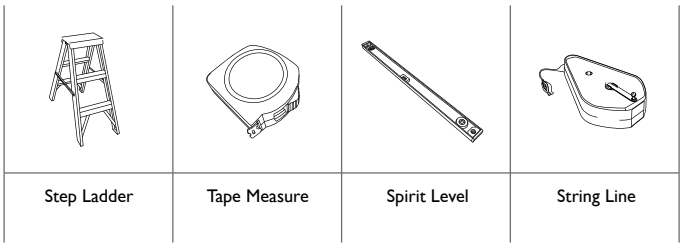
Carefully read these instructions and refer to them constantly during each stage of construction. If you do not have all the necessary tools or information, contact Stratco for advice. Before starting, lay out all components and check them against the delivery docket. The parts description identifies each key part.

Double check all dimensions, levels and bolting locations before cutting, screwing or bolting structural members.

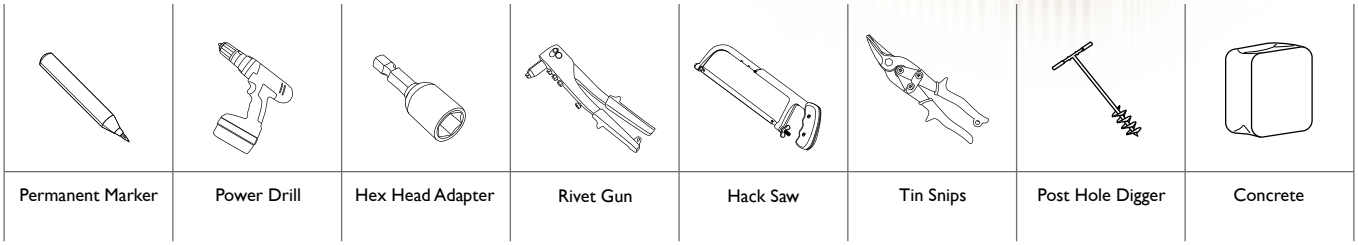
TOOLS YOU REQUIRE



Safety Glasses | Gloves | Caulking Gun | Silicone

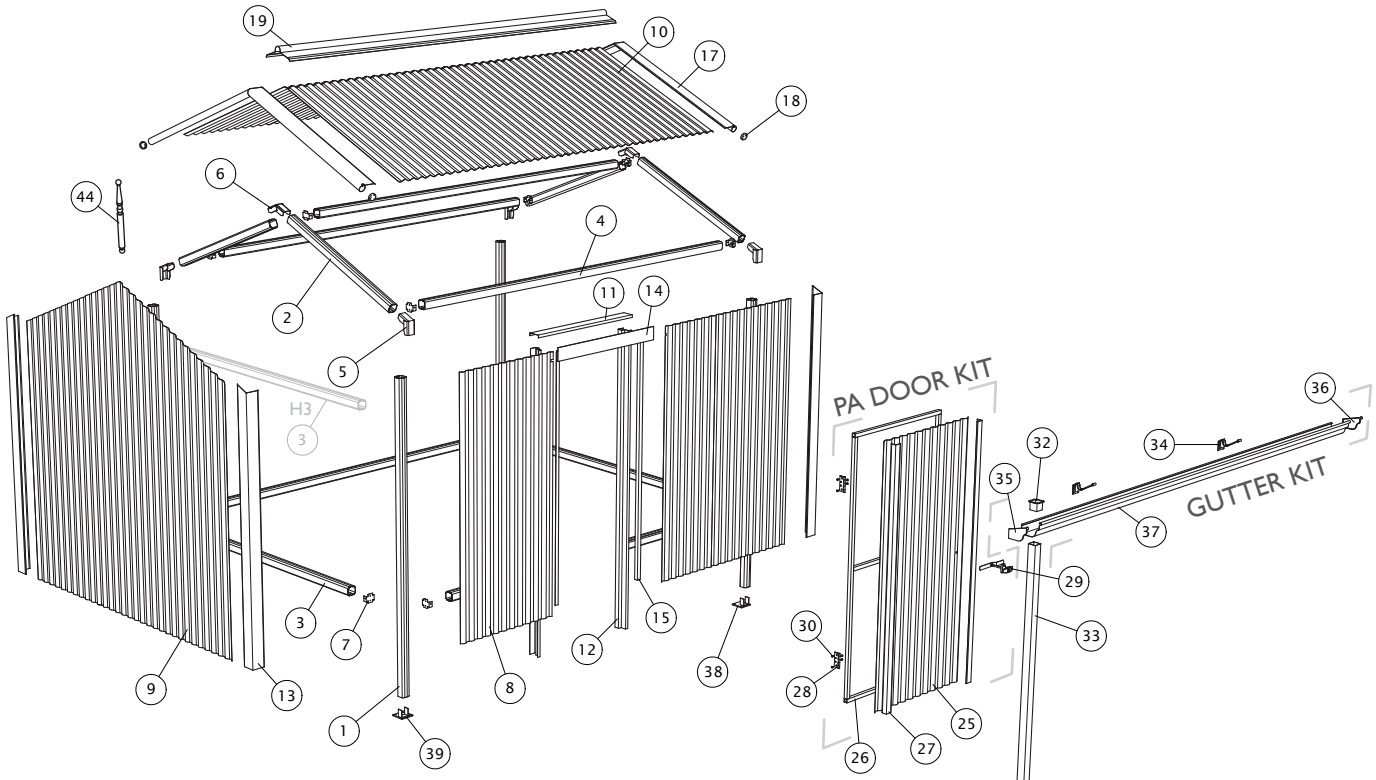


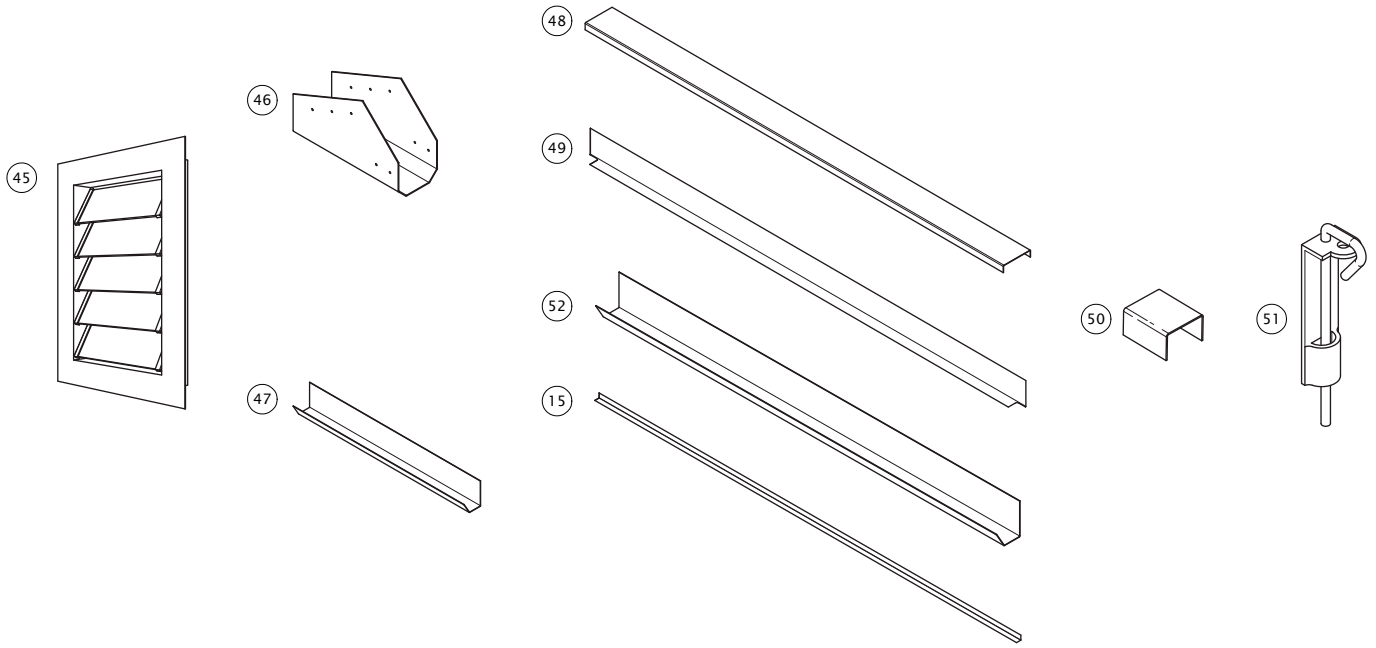
Step Ladder | Tape Measure | Spirit Level | String Line



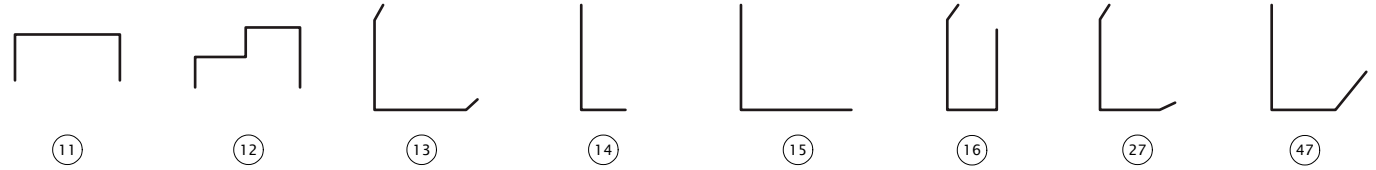
Permanent Marker | Power Drill | Hex Head Adapter | Rivet Gun | Hack Saw | Tin Snips | Post Hole Digger | Concrete

COMPONENTS





FLASHING PROFILES



The following Component Lists catalogue the components required to construct your Handi-Heritage Shed. Each Handi-Heritage Shed will include the components listed in the COMPONENT LIST and the PA DOOR KIT COMPONENT LIST.

The additional Component Lists note the extra specific components required in order to complete the Handi-Heritage Shed design variations.

HANDI-HERITAGE SHED COMPONENT LIST

				H1		H2		H3		H4	
NO	COMPONENT	CARTNOTE DESCRIPTION	CODE	QTY	METRE	QTY	METRE	QTY	METRE	QTY	METRE
1	COLUMNS	HERITAGE G/SHED PURLIN 68 2350 GAL	HGP0682350GA	4	2.350	4	2.350	4	2.350	4	2.350
2	RAFTERS	HERITAGE G/SHED PURLIN 68 1230 GAL	HGP0681230GA	4	1.230	4	1.230	-	-	4	1.230
		HERITAGE G/SHED PURLIN 68 1630 GAL	HGP0681630GA	-	-	-	-	4	1.630	-	-
3	END GIRTS	HERITAGE G/SHED PURLIN 68 2260 GAL	HGP0682260GA	2	2.260	2	2.260	-	-	2	2.260
		HERITAGE G/SHED PURLIN 68 3030 GAL	HGP0683030GA	-	-	-	-	4	3.030	-	-
4	SIDE GIRTS	HERITAGE G/SHED PURLIN 68 2260 GAL	HGP0682260GA	5	2.260	-	-	-	-	-	-
		HERITAGE G/SHED PURLIN 68 3030 GAL	HGP0683030GA	-	-	5	3.030	5	3.030	-	-
		HERITAGE G/SHED PURLIN 68 3790 GAL	HGP0683790GA	-	-	-	-	-	-	5	3.790
5	EAVES KNUCKLES	HERITAGE G/SHED EAVES KNUCKLE	HGEK	4	-	4	-	4	-	4	-
6	RIDGE KNUCKLES	HERITAGE G/SHED RIDGE KNUCKLE	HGRK	2	-	2	-	2	-	2	-
7	BEAM BRACKET	HERITAGE G/SHED BEAM BRACKET 68 GALV	HGBB068GA	14	-	14	-	18	-	14	-
8	SIDE WALL SHEETS	CGI HER G/SHED .35 D/SIDE COLOUR	CGIHGS35D##	5	1.950	7	1.950	7	1.950	9	1.950
9	GABLE END SHEETS	CGI HER G/SHED .35 D/SIDE COLOUR	CGIHGS35D##	2	2.495	2	2.495	4	2.640	2	2.495
				4	2.355	4	2.355	4	2.355	4	2.355
10	ROOF SHEETS	CGI HER G/SHED .35 D/SIDE COLOUR	CGIHGS35D##	6	1.355	8	1.355	8	1.755	10	1.355
11	DOOR LINTEL	HER G/SHED DOOR LINTEL 1.2 GALV	HDLI2GA	1	0.930	1	0.930	1	0.930	1	0.930
12	DOOR JAMBS	HER G/SHED DOOR JAMB 1.2 GALV	HJAI2GA	2	2.300	2	2.300	2	2.300	2	2.300
13	CORNER FLASHINGS	HER G/SHED CORNER FLASHING COLOUR	HCF##	4	2.025	4	2.025	4	2.025	4	2.025
14	DOOR LINTEL FLASHING	HER G/SHED DOOR LINTEL FLASH COLOUR	HLF##	1	0.950	1	0.950	1	0.950	1	0.950
15	DOOR TRIM FLASHING	HER G/SHED DOOR TRIM FLASH COLOUR	HTF##	2	1.890	2	1.890	2	1.890	2	1.890
16	SHEETING CAPPING	HER G/SHED CAPPING COLOUR	HSC##	2	2.500	2	3.250	2	3.250	2	4.010
17	BARGE ROLL	BARGE ROLL 100 .55 COLOUR	BRO10055##	4	1.400	4	1.400	4	1.800	4	1.400
18	PAINTED POST CAP	PAINT POST CAP ROUND GALV	FH-1027	4	-	4	-	4	-	4	-
19	RIDGE CAPPING	ROLL TYPE RIDGE .55 COLOUR	RTR375T2255##	1	2.550	1	3.320	1	3.320	1	4.080
20	10X16 SELF-DRILLING SCREW	TEK SCREW NO WASH 10 X 16MM	TEKNNW1016	265	-	270	-	290	-	275	-
21	10X16 SELF-DRILLING SCREW COLOUR	TEK SCREW NO NEO 10 X 16MM COLOUR	TEKNNW1016##	105	-	125	-	145	-	145	-
22	12X35 SELF-DRILLING SCREW COLOUR	TEK SCREW NEO 12 X 35MM COLOUR	TEK1235##	95	-	115	-	115	-	135	-
23	RIVET	RIVET 3.2X3.2 GRIP (4-2) ALUM	RIV4-2	77	-	82	-	87	-	87	-
24	INSTRUCTIONS	INSTRUCTION AND COMPONENT LIST	INCLHGS	1	-	1	-	1	-	1	-

HANDI-HERITAGE SHED PA DOOR KIT COMPONENT LIST

				H1		H2		H3		H4	
NO	COMPONENT	CARTNOTE DESCRIPTION	CODE	QTY	METRE	QTY	METRE	QTY	METRE	QTY	METRE
25	DOOR SHEET	CGI HER G/SHED .35 D/SIDE COLOUR	CGIHGS35D##	1	1.840	1	1.840	1	1.840	1	1.840
26	PA DOOR FRAME	HERITAGE GARDEN SHED DOOR FRAME	HGDF	1	-	1	-	1	-	1	-
27	DOOR FLASHINGS	HER G/SHED DOOR FLASHING COLOUR	HDF##	2	1.840	2	1.840	2	1.840	2	1.840
28	PA BUTT HINGE 100x75	HINGE BUTT 100X75MM F/P ZINC PLATED	BUTH1.610075ZP	2	-	2	-	2	-	2	-
29	PA "T" BAR HANDLE	T-HANDLE & TONGUE KIT	THTK	1	-	1	-	1	-	1	-
30	10x16 WAFER HEAD SCREWS	WAFER HEAD TEK 10 X 16MM	WTK1016	16	-	16	-	16	-	16	-
23	RIVET	RIVET 3.2X3.2 GRIP (4-2) ALUM	RIV4-2	8	-	8	-	8	-	8	-
21	10x16 SELF-DRILLING SCREW COLOUR	TEK SCREW NO NEO COLOUR 10 X 16MM	TEKNNW1016##	20	-	20	-	20	-	20	-

HANDI-HERITAGE SHED GUTTER & DOWNPIPE KIT

				H1		H2		H3		H4	
NO	COMPONENT	CARTNOTE DESCRIPTION	CODE	QTY	METRE	QTY	METRE	QTY	METRE	QTY	METRE
31	DOWNPIPE STRAP	D/PIPE STRAP 50X50 COLOUR	DPST5050##	2	-	2	-	2	-	2	-
32	DOWNPIPE OUTLET	D/PIPE OUTLET 50X50 COLOUR	DPOL5050##	2	-	2	-	2	-	2	-
33	DOWNPIPE	D/PIPE SQ .55 50X50 COLOUR 1800	DPSQ555050##18	2	-	2	-	2	-	2	-
34	GUTTER BRACKETS	OG GUTTER 125 TIMBER FIX BRACKET	OGG125TFX	8	-	8	-	8	-	8	-
35	STOP END LH	OG GUTTER 125 S/END LH COLOUR	OGG125STENL##	2	-	2	-	2	-	2	-
36	STOP END RH	OG GUTTER 125 S/END RH COLOUR	OGG125STENR##	2	-	2	-	2	-	2	-
37	GUTTER	OG GUTTER 125 COLOUR	OGG125##	2	2.460	2	3.210	2	3.210	2	3.970
		LESS:									
16	SHEET CAPPING	HER G/SHED CAPPING COLOUR	HSC##	2	2.500	2	3.250	2	3.250	2	4.010

OPTIONAL EXTRAS

NO	COMPONENT	CARTNOTE DESCRIPTION	CODE	H1		H2		H3		H4	
				QTY	METRE	QTY	METRE	QTY	METRE	QTY	METRE
38	LH FOOTING PLATE	HERITAGE G/SHED FOOTING PLATE LH	HGFPL	2	-	2	-	2	-	2	-
39	RH FOOTING PLATE	HERITAGE G/SHED FOOTING PLATE RH	HGFPR	2	-	2	-	2	-	2	-
40	12X20 SELF DRILLING SCREW	12-14X20 HEX TEK SCREW NO WASHER	TEKNNW1220	16	-	16	-	16	-	16	-
41	MASONRY ANCHORS	DYNABOLT HEX 8X40MM	HW-4781	14	-	14	-	14	-	14	-
42	BOLT/NUT	HEX HEAD BOLT & NUT ZP M10X20 4.6N/S	HBM1020ZP	2	-	2	-	2	-	2	-
43	ANGLE BRACKETS	2 HOLE BENT BRACKET	HW-5797	2	-	2	-	2	-	2	-
44	GABLE SPIRE	H/SHED SPIRE 700 COLOUR	HGSP700##	2	-	2	-	2	-	2	-

WINDOW KIT

NO	COMPONENT	CARTNOTE DESCRIPTION	CODE	H1		H2		H3		H4	
				QTY	METRE	QTY	METRE	QTY	METRE	QTY	METRE
45	WINDOW	LOUVRE WINDOW HER G/SHED COLOUR	LWINHGS##	1	-	1	-	1	-	1	-

GABLE END WINDOW KIT

NO	COMPONENT	CARTNOTE DESCRIPTION	CODE	H1		H2		H3		H4	
				QTY	METRE	QTY	METRE	QTY	METRE	QTY	METRE
45	WINDOW	LOUVRE WINDOW HER G/SHED COLOUR	LWINHGS##	1	-	1	-	1	-	1	-
3	END GIRTS	HERITAGE G/SHED PURLIN 68 2260 GAL	HGP0682260GA	1	2.260	1	2.260	1	2.260	1	2.260
7	BEAM BRACKET	HERITAGE G/SHED BEAM BRACKET 68 GALV	HGBB068GA	2	-	2	-	2	-	2	-
20	10X16 SELF-DRILLING SCREW	TEK SCREW NO WASH 10 X 16MM	TEKNNW1016	8	-	8	-	8	-	8	-

GABLE END DOOR KIT

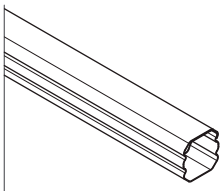
NO	COMPONENT	CARTNOTE DESCRIPTION	CODE	H1		H2		H3		H4	
				QTY	METRE	QTY	METRE	QTY	METRE	QTY	METRE
3	END GIRT	HERITAGE G/SHED PURLIN 68 1990 GAL	HGP0681990GA	1	1.990	1	1.990	-	-	1	1.990
		HERITAGE G/SHED PURLIN 68 2760 GAL	HGP0682760GA	-	-	-	-	1	2.760	-	-
46	GABLE DOOR BRACKET	HERITAGE G/SHED GAB/DOOR BKT GALV	HGGBGA	2	-	2	-	2	-	2	-
47	GABLE DOOR APRON FLASHING	HER G/SHED GABLE DOOR APRON COLOUR	HGA##	1	0.950	1	0.950	1	0.950	1	0.950
15	DOOR TRIM FLASHING	HER G/SHED DOOR TRIM FLASH COLOUR	HTF##	1	0.950	1	0.950	1	0.950	1	0.950
8	SIDE WALL SHEETS	CGI HER G/SHED .35 D/SIDE COLOUR	CGIHGS35D##	1	1.950	1	1.950	1	1.950	1	1.950
20	10X16 SELF-DRILLING SCREW	TEK SCREW NO WASH 10 X 16MM	TEKNNW1016	20	-	20	-	20	-	20	-
		LESS:									
14	DOOR LINTEL FLASHING	HER G/SHED DOOR LINTEL FLASH COLOUR	HLF##	1	0.950	1	0.950	1	0.950	1	0.950
3	END GIRT	HERITAGE G/SHED PURLIN 68 2260 GAL	HGP0682260GA	-	-	-	-	1	2.260	-	-
7	BEAM BRACKET	HERITAGE G/SHED BEAM BRACKET 68 GALV	HGBB068GA	-	-	-	-	2	-	-	-

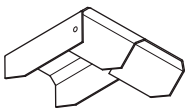
DOUBLE DOOR KIT

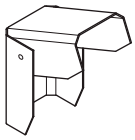
NO	COMPONENT	CARTNOTE DESCRIPTION	CODE	H1		H2		H3		H4	
				QTY	METRE	QTY	METRE	QTY	METRE	QTY	METRE
-	PA DOOR KIT COMPONENTS	-	-	1	-	1	-	1	-	1	-
48	EXTENDED DOOR LINTEL	HER G/SHED DOOR LINTEL 1.2 GALV	HDLI2GA	1	1.785	1	1.785	1	1.785	1	1.785
49	EXTENDED DOOR LINTEL FLASHING	HER G/SHED DOOR LINTEL FLASH COLOUR	HLF##	1	1.805	1	1.805	1	1.805	1	1.805
50	DOUBLE DOOR SPACER	HERITAGE G/SHED DOUBLE DOOR SPACER	HGDS	2	-	2	-	2	-	2	-
51	DROP-BOLT	PADBOLT SINGLE EYE STD SHOOT 100MM	HW-5927	1	-	1	-	1	-	1	-
		LESS:									
11	DOOR LINTEL	HER G/SHED DOOR LINTEL 1.2 GALV	HDLI2GA	1	0.930	1	0.930	1	0.930	1	0.930
14	DOOR LINTEL FLASHING	HER G/SHED DOOR LINTEL FLASH COLOUR	HLF##	1	0.950	1	0.950	1	0.950	1	0.950

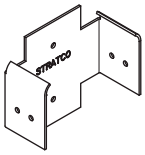
GABLE END DOUBLE DOOR KIT

NO	COMPONENT	CARTNOTE DESCRIPTION	CODE	H1		H2		H3		H4	
				QTY	METRE	QTY	METRE	QTY	METRE	QTY	METRE
-	PA DOOR KIT COMPONENTS	-	-	1	-	1	-	1	-	1	-
3	END GIRT	HERITAGE G/SHED PURLIN 68 1990 GAL	HGP0681990GA	1	1.990	1	1.990	-	-	1	1.990
		HERITAGE G/SHED PURLIN 68 2760 GAL	HGP0682760GA	-	-	-	-	1	2.760	-	-
46	GABLE DOOR BRACKET	HERITAGE G/SHED GAB/DOOR BKT GALV	HGGBGA	2	-	2	-	2	-	2	-
48	EXTENDED DOOR LINTEL	HER G/SHED DOOR LINTEL 1.2 GALV	HDLI2GA	1	1.785	1	1.785	1	1.785	1	1.785
52	EXTENDED GABLE DOOR APRON FLASHING	HER G/SHED GABLE DOOR APRON COLOUR	HGA##	1	1.805	1	1.805	1	1.805	1	1.805
15	EXTENDED DOOR TRIM FLASHING	H G/SHED DOOR TRIM FLASH COLOUR	HTF##	1	1.805	1	1.805	1	1.805	1	1.805
50	DOUBLE DOOR SPACER	HERITAGE G/SHED DOUBLE DOOR SPACER	HGDS	2	-	2	-	2	-	2	-
51	DROP-BOLT	PADBOLT SINGLE EYE STD SHOOT 100MM	HW-5927	1	-	1	-	1	-	1	-
8	SIDE WALL SHEETS	CGI HER G/SHED .35 D/SIDE COLOUR	CGIHGS35D##	1	1.950	1	1.950	1	1.950	1	1.950
20	10X16 SELF-DRILLING SCREW	TEK SCREW NO WASH 10 X 16MM	TEKNNW1016	20	-	20	-	20	-	20	-
		LESS:									
11	DOOR LINTEL	HER G/SHED DOOR LINTEL 1.2 GALV	HDLI2GA	1	0.930	1	0.930	1	0.930	1	0.930
14	DOOR LINTEL FLASHING	HER G/SHED DOOR LINTEL FLASH COLOUR	HLF##	1	0.950	1	0.950	1	0.950	1	0.950
3	END GIRT	HERITAGE G/SHED PURLIN 68 2260 GAL	HGP0682260GA	-	-	-	-	1	2.260	-	-
7	BEAM BRACKET	HERITAGE G/SHED BEAM BRACKET 68 GALV	HGBB068GA	-	-	-	-	2	-	-	-

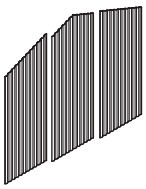

68 Outback Beam

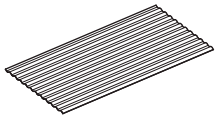

Ridge Knuckle

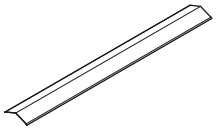

Eaves Knuckle

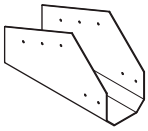


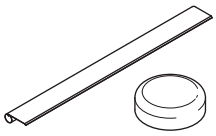
Beam Bracket

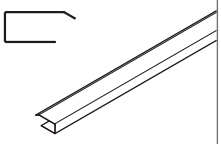

Gable Wall Sheets

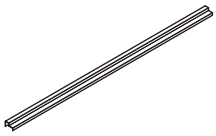

Wall & Roof Sheets

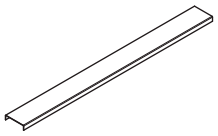

Ridge Capping

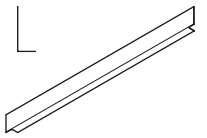

Gable Door Header Bracket

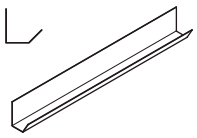

Barge Roll & Barge Cap

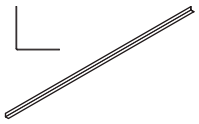

Sheet Capping

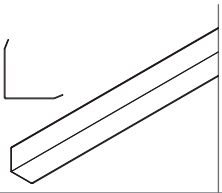

Door Jamb

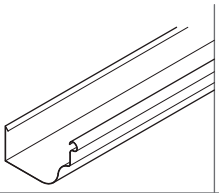

Door Lintel

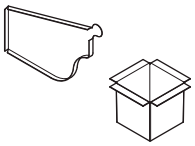

Door Lintel Flashing

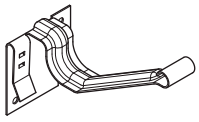

Gable Door Apron Flashing

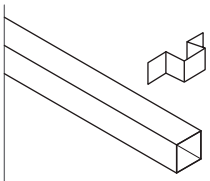

Door Trim Flashing

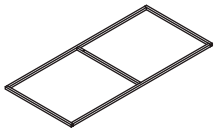

Corner Flashing

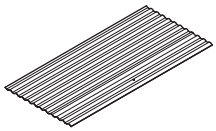

Gutter


Gutter Stop-End & Outlet


Gutter Bracket


Downpipe (& Downpipe Straps)


Door Frame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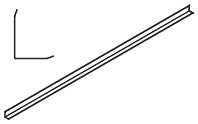
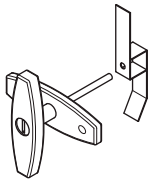
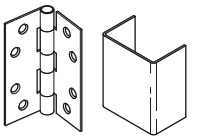
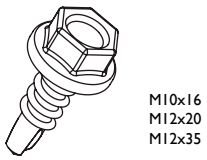
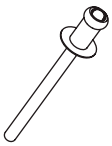

Door Flashing

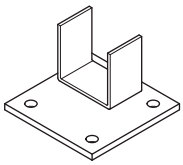

Door Handle/Lock


Hinge & Double-Door Bracket

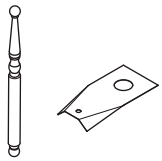


Hex Head Self-Drilling Screws


Pop Rivet


Footing Bracket


Louvre Window


Spire & Spire Bracket

POSITIONING AND PREPARATION

Column Positioning

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 1.0 and Table 1.0).

If the door positioning is known, it is best to dig the holes for the door jambs at this point, as it can be difficult to dig around the structure later in the process.

FOOTING LOCATIONS (Centre to Centre of Column)

MODEL	Gable End	Side	Diagonal
H1	2335mm	2335mm	3303mm
H2	2335mm	3105mm	3886mm
H3	3105mm	3105mm	4392mm
H4	2335mm	3865mm	4516mm

Table 1.0

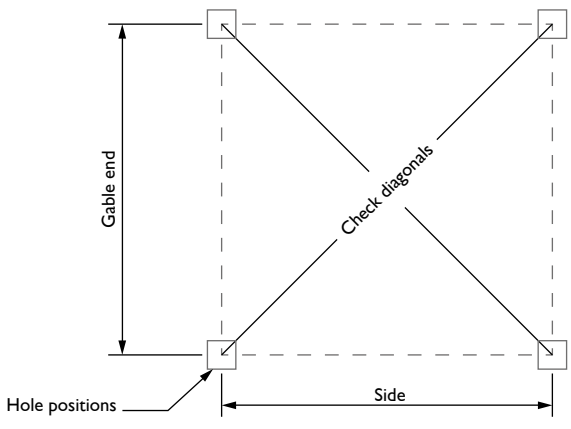


Figure 1.0

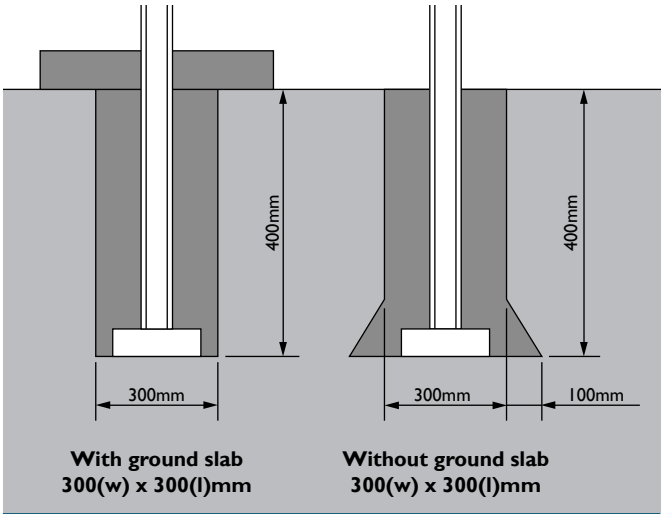


Figure 1.1

Digging Post Holes

Dig post holes as illustrated in Figure 1.1.

Place a half brick in the bottom of the hole to ease settlement.

Alternatively, if fixing to an existing concrete slab a bolted footing bracket is available. (Refer to section 'Securing Columns')

ALWAYS FASTEN FOOTING BRACKETS TO THE CONCRETE SLAB, OR CEMENT COLUMNS IN PLACE, AS THE LAST STEP IN THE CONSTRUCTION PROCESS.

GABLE END ASSEMBLY

MODEL COMPONENTS

COMPONENT	H1, H2 & H4 Standard	H3 Standard, or H3 with Gable Door or Gable Window	H1, H2 & H4 with Gable Door or Gable Window
Column	2	2	2
Rafter	2	2	2
Gable End Girt	1	2	2
Eaves Knuckle	2	2	2
Ridge Knuckle	1	1	1
Beam Bracket	7	9	9

Table 2.0

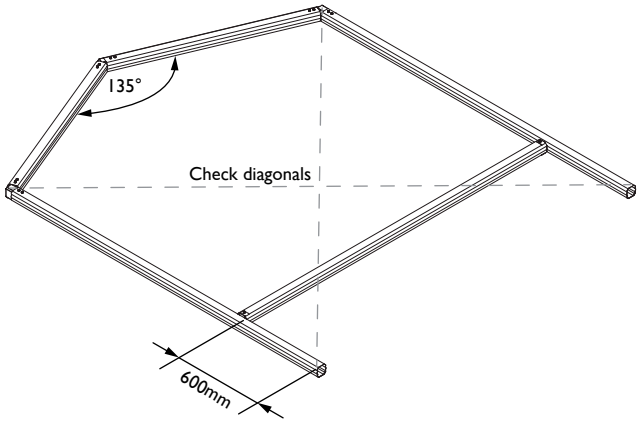


Figure 2.0

Frame Assembly

Insert the eaves knuckles into the column and rafter ends (Figure 2.1), and the ridge knuckle into the two remaining rafter ends (Figure 2.2). A gentle hammering on the sides of the knuckles can assist in insertion.

Note: Ensure that the flat side of the columns and rafters are always facing out. Each beam has a flat edge with a double wall thickness which should always face outwards, as this provides a thicker wall section when fixing the wall sheets to the frame.

Fix the column and rafter ends to the knuckles with two 10x16 self-drilling screws, locating them approximately 25-30mm from the knuckle as illustrated in Figure 2.3. This will allow enough room (approx. 75mm) for fixing the side girts.

To fix the end girt, secure a beam bracket 600mm in from the bottom of each column (Figure 2.4) using two 10x16 self-drilling screws.

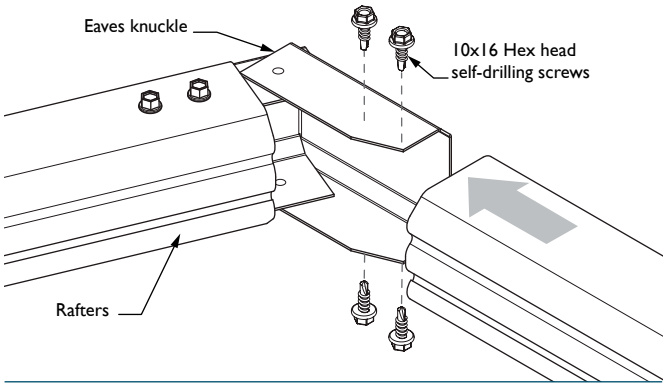


Figure 2.1

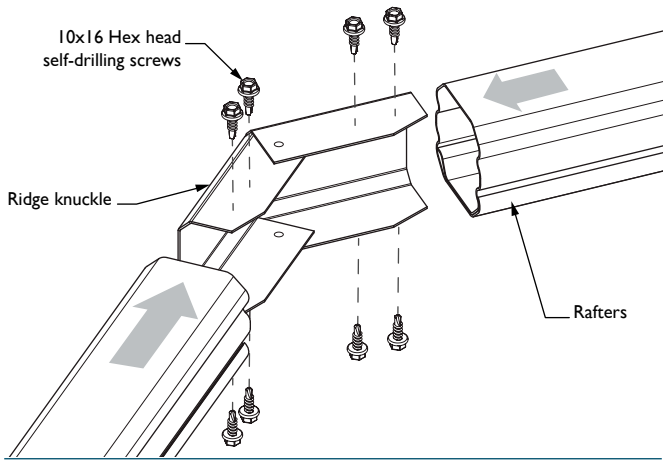


Figure 2.2

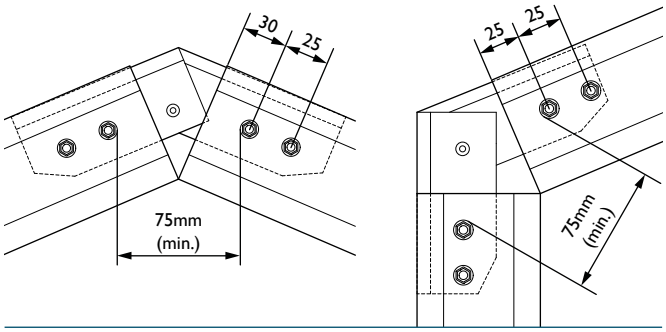


Figure 2.3

Be sure to position the brackets in the correct orientation.

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 in Installing an Upper Girt.

Installing an Upper Girt

The H3 model requires a top girt to be integrated into the gable end. The beam brackets for the girt are positioned at the top of the gable columns and installed as per the lower girt (Figure 2.4).

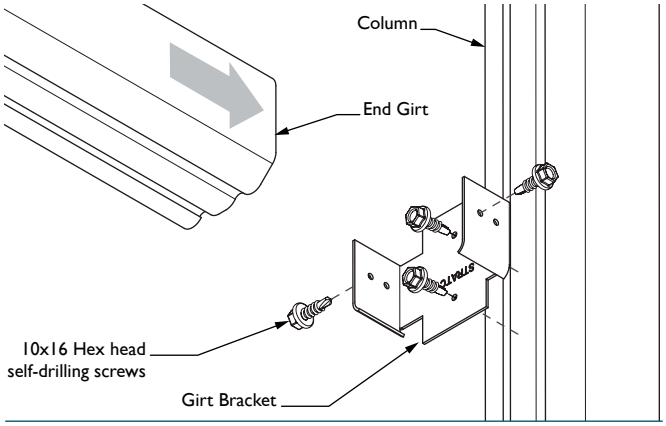


Figure 2.4

Door Jamb Installation (Gable End Doors Only)

When doors are positioned at the gable end of a Handi-Heritage Shed a shorter end girt will be provided along with two gable door header brackets.

The header brackets must be fastened to the gable rafters on both sides of the gable frame with the top edge in line with the flat plane of the rafter (Figure 2.5).

Secure the header bracket to the rafter using three 10x16 self-drilling screws on each side (Figure 2.6).

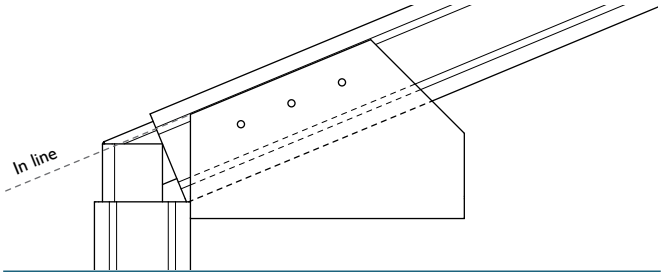


Figure 2.5

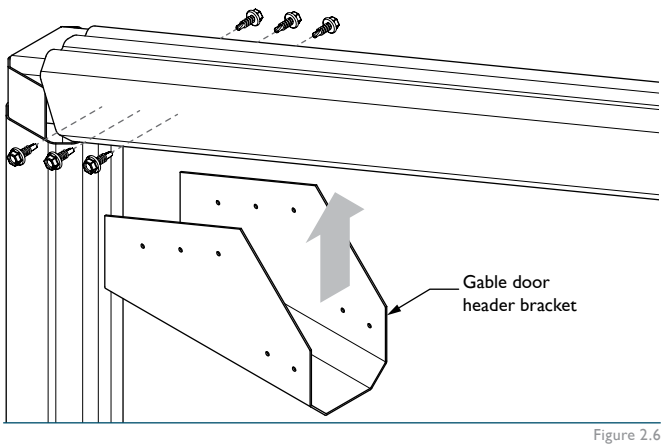


Figure 2.6

When both gable door header brackets are fastened to the rafters, the header girt can be inserted into each bracket and secured with two 10x16 self-drilling screws on each side (Figure 2.7 and 2.8).

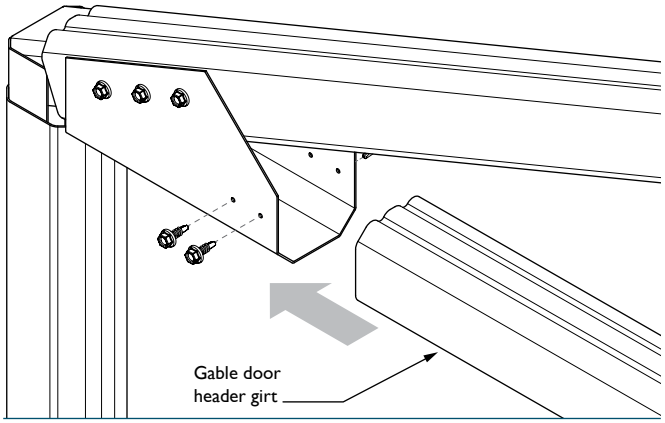


Figure 2.7

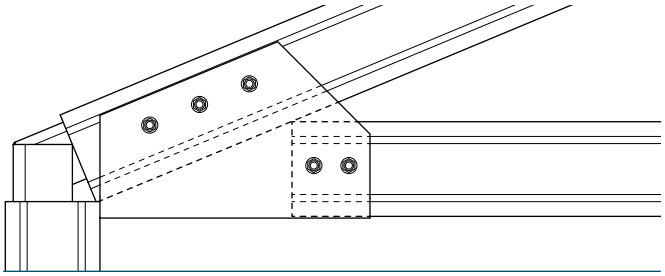


Figure 2.8

If a door is to be installed at the gable end, the end girt supplied must be cut into two lengths. These lengths will dictate the door positioning.

From one side of the gable frame, determine how far in the door is to be positioned. At this measurement use a hacksaw to cut a length of girt to size (Figure 2.9). To create the second door girt, 880mm is to be removed from the remaining length (Figure 2.9).

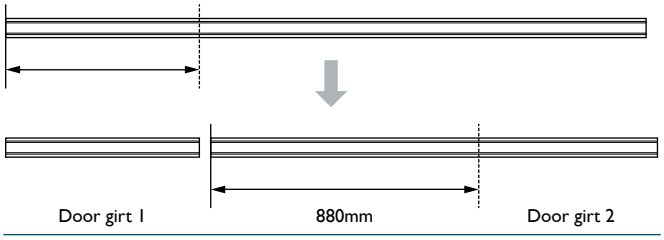


Figure 2.9

As with standard gable frames, fasten two beam brackets to the insides of the columns as illustrated in Figure 2.4. Position and fasten a door girt to each of the beam brackets using 10x16 self-drilling screws, making sure the flat side with the double thickness is facing outwards.

Position the door jambs against the inside end of the door girts, then also position the door lintel against the bottom face of the top girt. Ensure that the lintel is located so the front lip protrudes by approximately 20mm (Figure 2.10).

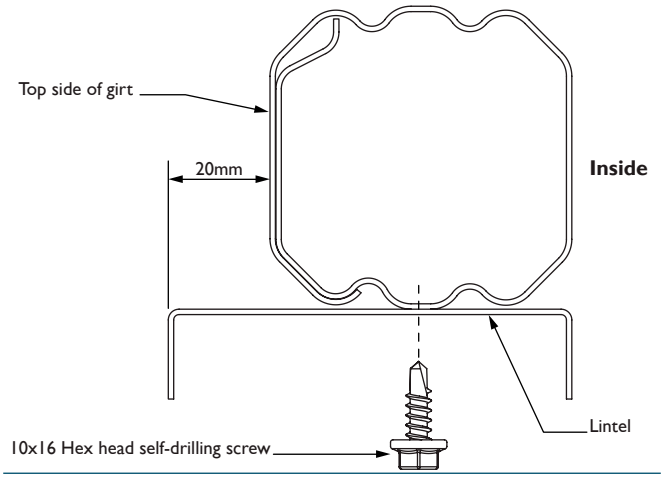


Figure 2.10

When the lintel is positioned, secure through the bottom of the top girt using three 10x16 self-drilling screws.

Determine which side the door will open. Use two 10x16 self-drilling screws on each side to fix the jamb to the lintel on the side in which the door is to be hung (Figure 2.11) and to secure the jambs to the door girts (Figure 2.12). Do this for both jambs, all the while maintaining a square door frame.

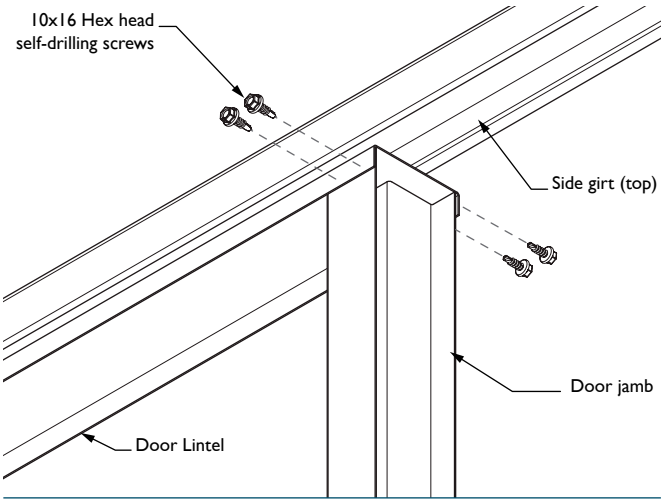


Figure 2.11

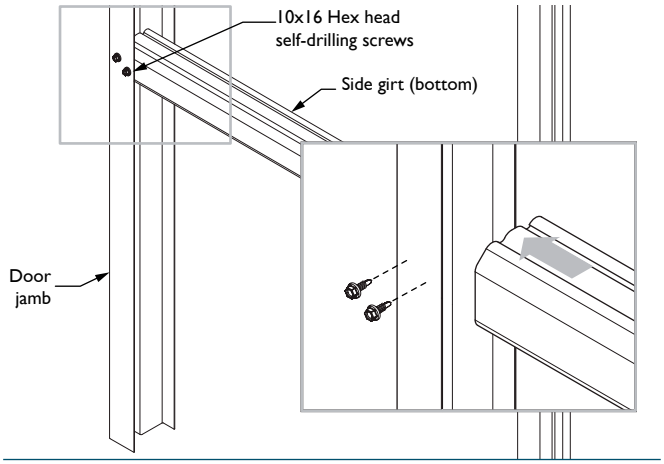


Figure 2.12

Keep the jambs square by measuring the distance between the top of the jamb and the column and maintaining this distance between the jamb and the column along the length of the jamb (Figure 2.13).

Adjust the other jamb to suit the width of the door and fasten as previously instructed.

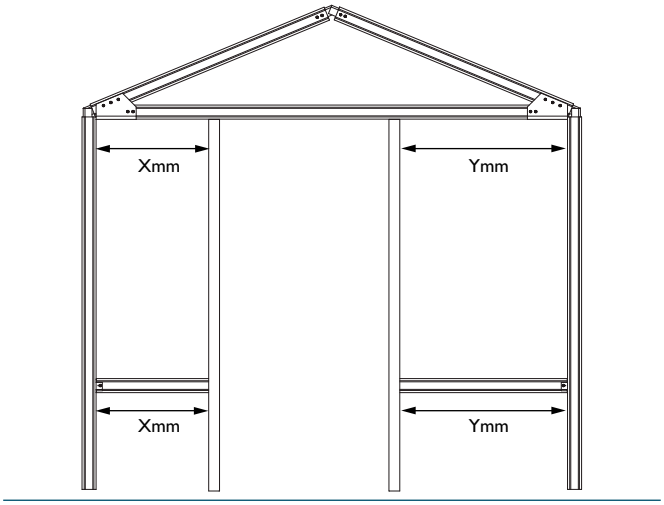


Figure 2.13

Window Support Installation (Gable End Windows Only)
If including a window at the gable end of an H1, H2, or H4 Handi-Heritage Shed an extra girt is required for strengthening. The existing top girt will provide sufficient strength in an H3 model.

When constructing the frame of an H1, H2, or H4 model an extra gable end girt is required. Position the extra girt approximately 785mm up from the top of the lower girt (Figure 2.14). This girt is to be fastened as per the existing end girt.

Note: The distance of the extra girt from the lower girt is determined by the customer's desired window height. 785mm is a recommended distance.

Windows are to be installed after walling sheets.

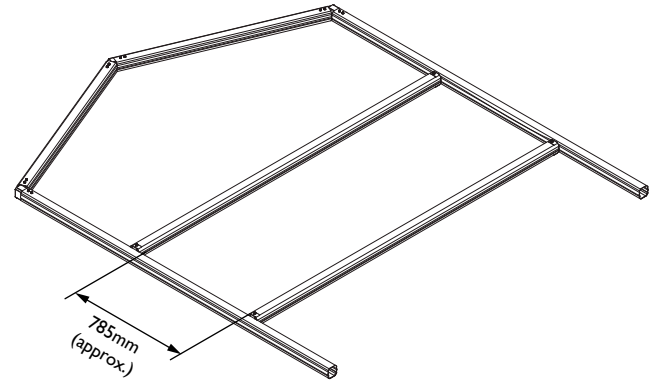


Figure 2.14

Squaring the Frame
Ensure the end frame is square by checking the diagonal measurements (Figure 2.0).

Attaching Wall Sheets
Fix the pre-cut angled wall sheets to the end frame with 10x16 self-drilling screws. Use five screws per sheet, on each girt and rafter, fixing through the "pan" of the profile (Figure 2.15).

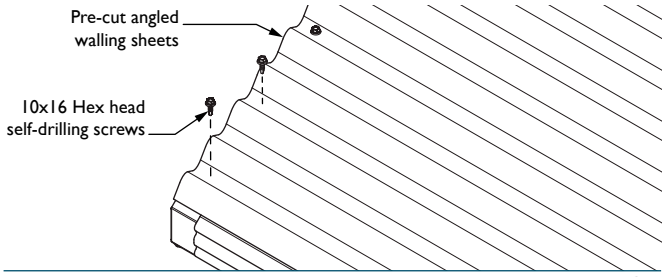


Figure 2.15

Be sure to align the top of the sheets (angled cut end) with the top groove of the rafter (Figure 2.16), and the outside edges of the sheets with the outer groove of the columns.

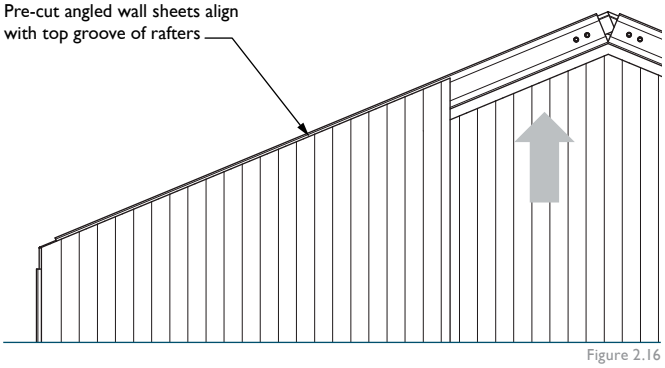
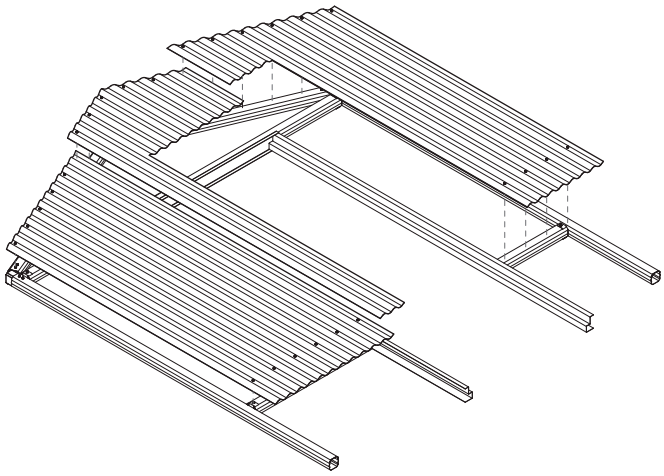


Figure 2.16

Use a string line or measuring tape along the outside face of the walling to locate the lower girt and maintain an even and horizontal placement of screws.

When including a gable end door the wall sheets must be modified to suit the door positioning. Lay the first sheet in position and mark the door jamb and lintel positioning on the sheet. Make sure when marking out that when cut, the sheet will fit within the door jamb and fit around the lintel (Figure 2.17).



Gable-end sheets cut to fit door opening

Figure 2.17

A rectangular notch must also be cut into the sheet to fit around the door lintel, as illustrated in Figure 2.18.

Work along the gable end, trimming wall sheets to fit around the door opening as necessary. The sheet edge can then be pressed in so it tucks behind the door jamb and around the lintel.

If a window is included in the gable end the wall sheets must be similarly trimmed to accommodate the window location (see 'Window Installation').

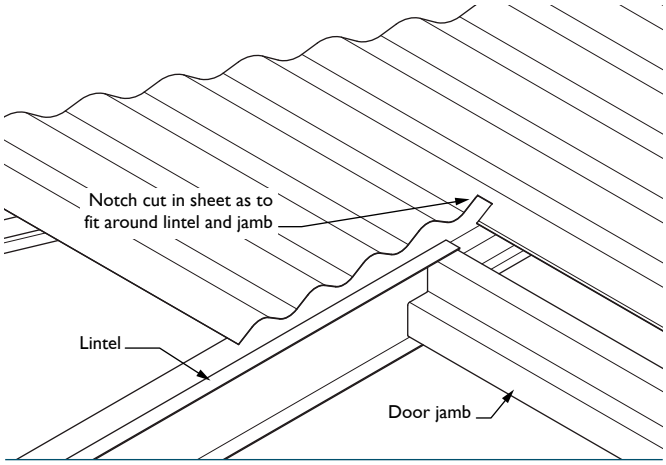


Figure 2.18

Fixing Beam Brackets

Before tilting the frames into position, locate and fix five additional beam brackets to the end frame at the ridge joint, eaves joints, and 600mm in from the bottom of each column at the intersection of the lower girt and columns.

Use two 10x16 self-drilling screws per bracket as illustrated in Figure 2.19, 2.20 and 2.21.

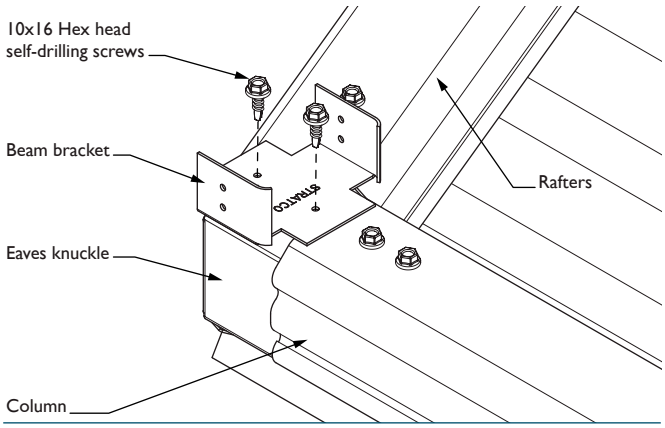


Figure 2.19

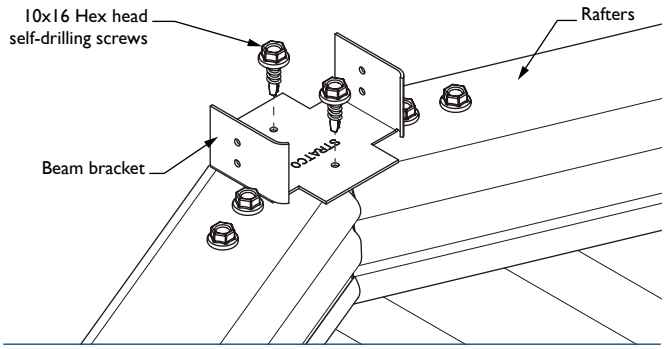


Figure 2.20

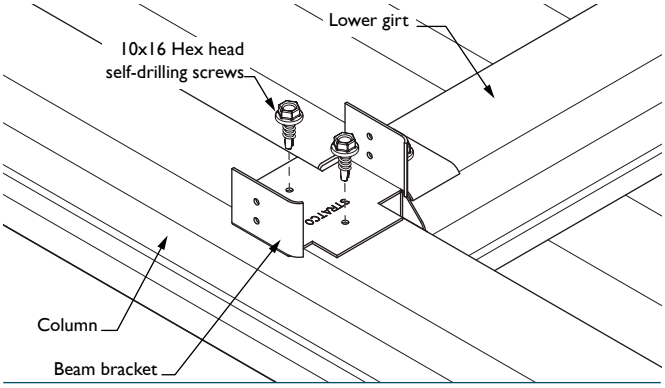


Figure 2.21

SECURING COLUMNS

Fixing on to Ground with Footing Plates

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 two 12x20 self-drilling screws either side as illustrated in Figure 3.0. Make sure each column is vertical, using a spirit level.

Tilt each gable end into position and temporarily brace.

Note: The columns are not to be bolted to the concrete slab, or secured with concrete, at this stage.

Fixing in to Ground with Concrete

If fixing the columns into the ground, carefully tilt each side panel into position and place the columns in the holes (Figure 4.0). Temporarily brace in position and check the wall height is 1950mm. If necessary adjust the depth of the hole, or alternatively cut a small amount from the column.

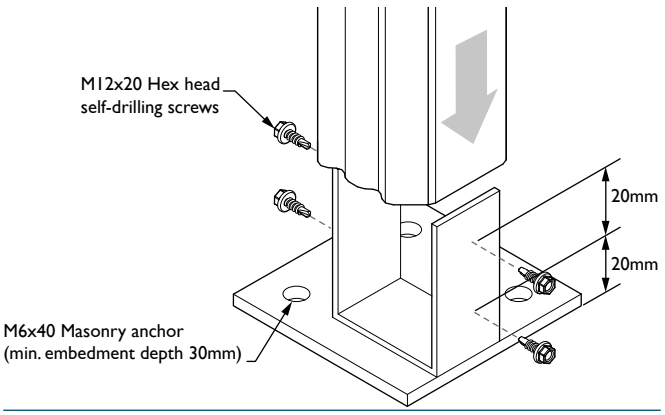


Figure 3.0

FIXING SIDE FRAMEWORK

To secure the side girts and ridge, slide the girts into the beam brackets located on the inside of the gable end frames (Figure 4.0), and fasten with one 10x16 self-drilling screw.

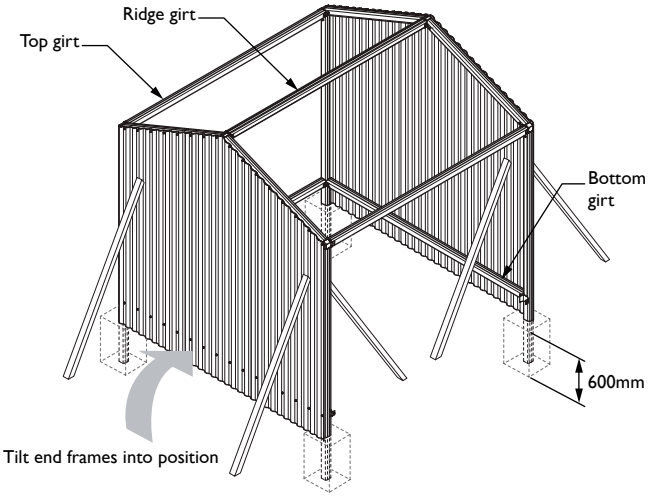


Figure 4.0

Check the frame is square by ensuring diagonal measurements are the same, and that the columns are vertical (Figure 4.1).

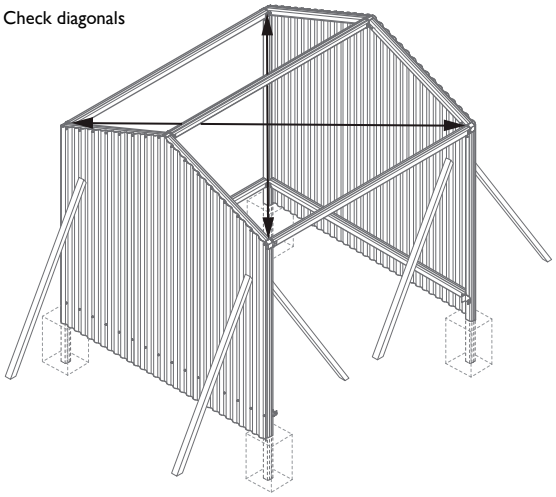


Figure 4.1

INSTALLING THE DOOR JAMB (FOR DOORS ON SIDE)

Determine where the door is to be positioned and fix the door lintel to the bottom side of the top girt with three 10x16mm self-drilling screws. Ensure that the lintel is located so the front lip protrudes by approximately 20mm (Figure 5.0).

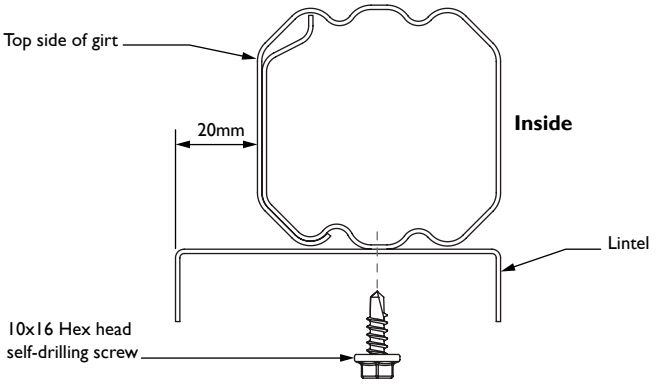


Figure 5.0

Determine which side the door will open and fix a jamb to the lintel with two 10x16 self-drilling screws on each side (Figure 5.1).

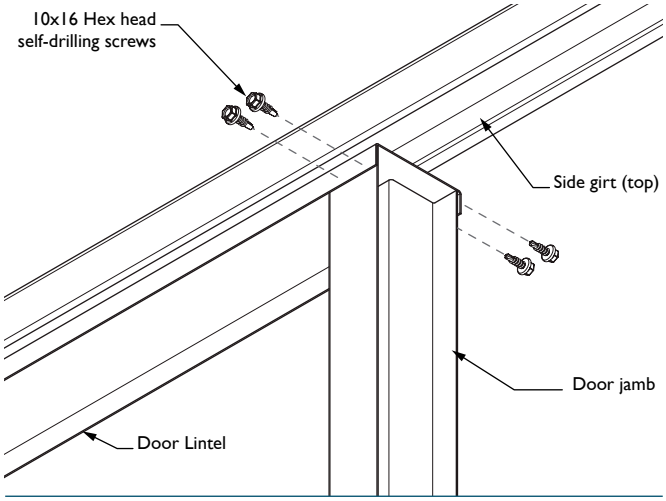


Figure 5.1

The door girts should be cut to size on-site as to fit on either side of the door between the columns and door jamb. The lengths cut will dictate the door positioning. From one column, determine how far in the door is to be positioned. At this measurement use a hacksaw to cut a length of girt to size (Figure 5.2). To create the second door girt, 880mm is to be removed from the remaining length (Figure 5.2).

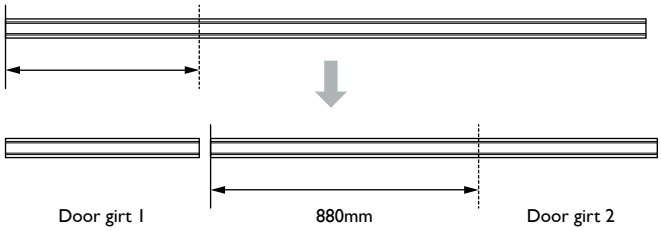


Figure 5.2

Fit one of the door girts between the door jamb and end frame and secure with two 10x16 self-drilling screws as shown in Figure 5.3. Keep the jambs square by measuring the distance between the top of the jamb and the column and maintaining this distance between the jamb and the column along the length of the jamb.

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

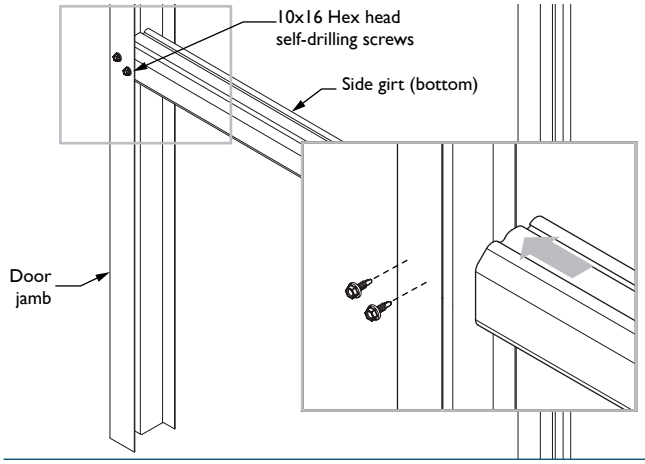


Figure 5.3

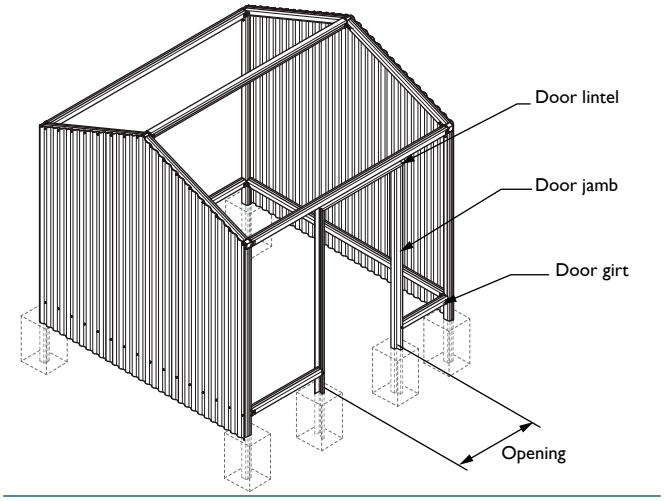


Figure 5.4

Fix the remaining door girt between the column and door jamb as completed previously.

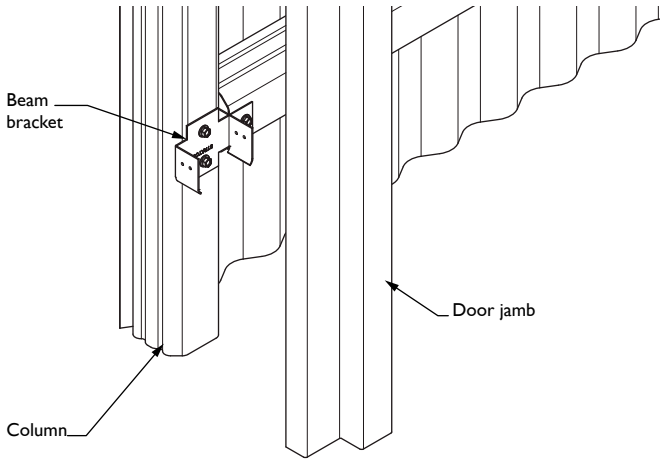


Figure 5.5

Doors can be positioned at corners, with the jamb positioned against the column and secured to the beam brackets affixed to the column (Figure 5.5).

Flashings (Figure 5.6 and 5.7) can then be fastened as detailed in 'Walling and Flashing Installation'.

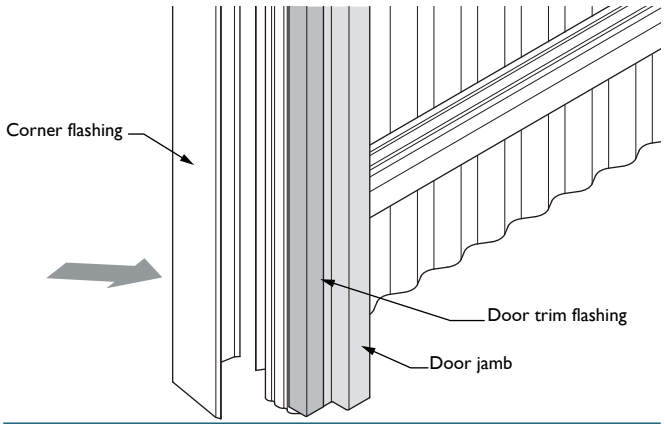


Figure 5.6

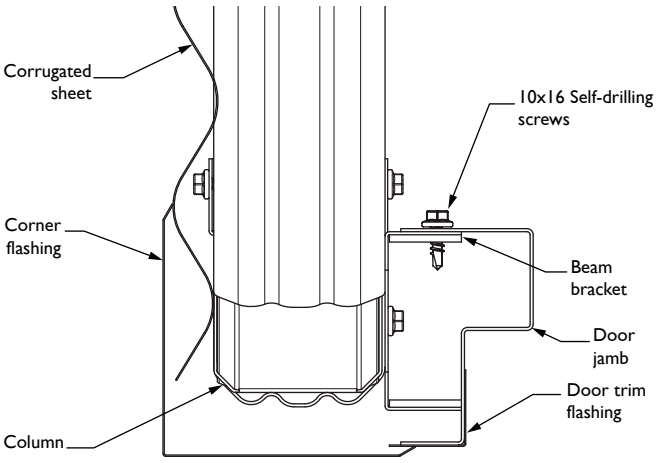


Figure 5.7

DOOR ASSEMBLY AND INSTALLATION

Door Assembly

Pan fix the 1840mm long corrugated sheet to the door frame with 10x16mm self-drilling screws. Note that the door frame is the full width of the CGI corrugated sheet.

Cap each side of the door with the door flashing supplied. Fasten with four rivets at 550mm centres (Figure 6.0).

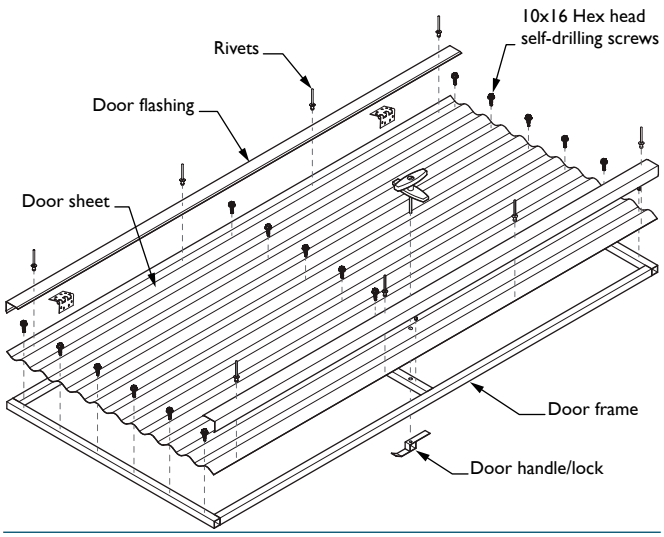


Figure 6.0

To fix the "T" bar handle to the door, drill an 11mm diameter hole directly into the corrugated sheeting and the central 25x25mm tube support of the door frame approximately 75mm in from the edge. Fix the door handle with two 12x45 self-drilling screws. Slide the door tongue striker over the handle shaft and fasten (this is sometimes best left until after the door has been hung).

Fix two 100x75 butt hinges to the door through the door flashing and frame with the 10x16 wafer head screws provided (Figure 6.1).

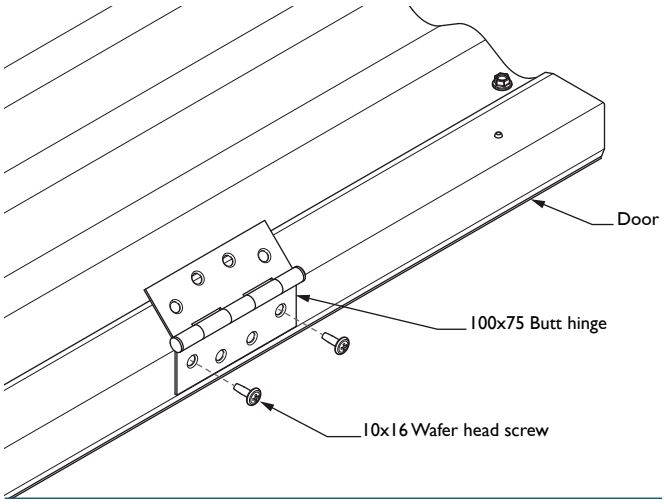


Figure 6.1

Hanging the Door

Fix the door hinges to the door jamb using 10x16 wafer head screws, as shown in Figures 6.1 and 6.2.

As required, use a spirit level to adjust the columns and door jambs to create a secure door that opens smoothly, while maintaining a square framework for the overall shed structure.

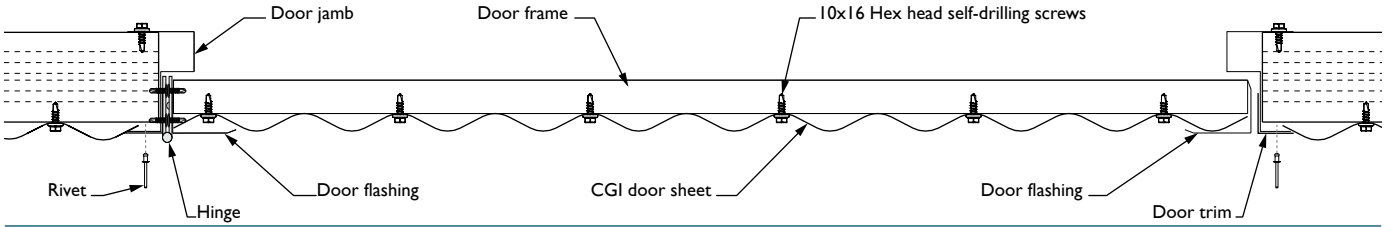


Figure 6.2

WALLING AND FLASHING INSTALLATION

Attaching Wall Sheeting

After the door has been fixed, start the installation of the corrugated wall sheets from one gable end and work toward the other gable end wall, making sure the overlaps are facing away from the main viewing angle (Figure 7.0).

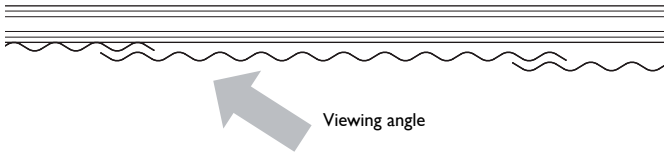


Figure 7.0

Where the 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 (Figure 7.1). The sheet edge can then be folded back so it tucks behind the door jamb and around the lintel.

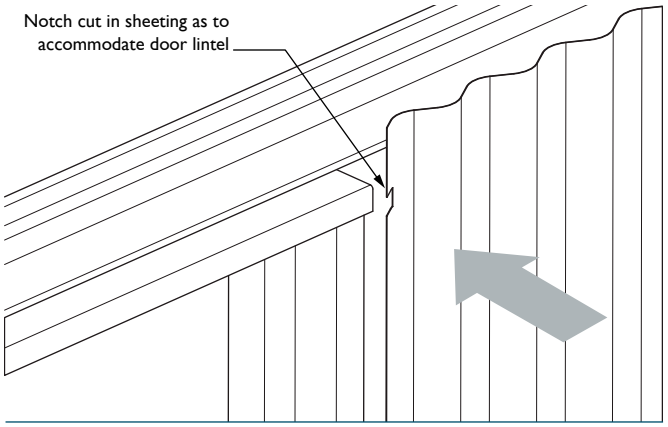


Figure 7.1

To avoid cutting the sheets, the sheets can be lapped several times. The sheets should be fastened to the top and bottom girts with 10x16 self-drilling screws (Figure 7.2).

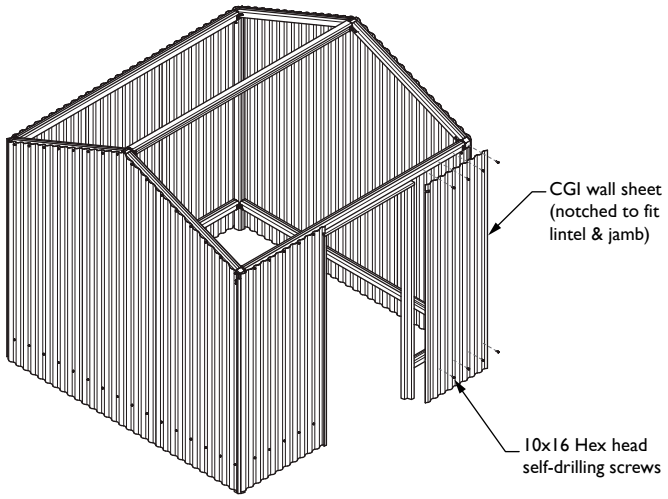


Figure 7.2

Note: When installing a double door along a side wall in an H1 model, the wall sheets alongside the door frame will be created from a single sheet cut on-site. The widths of the resultant sheets will be determined by the door girt widths.

Attaching Corner Flashing

Corner flashings are to be trimmed at one end to suit the rafter angle at each corner. Once trimmed, position the corner flashings against the corrugated sheeting in each corner and rivet the corner flashings to the wall sheets at every 600mm (Figure 7.3).

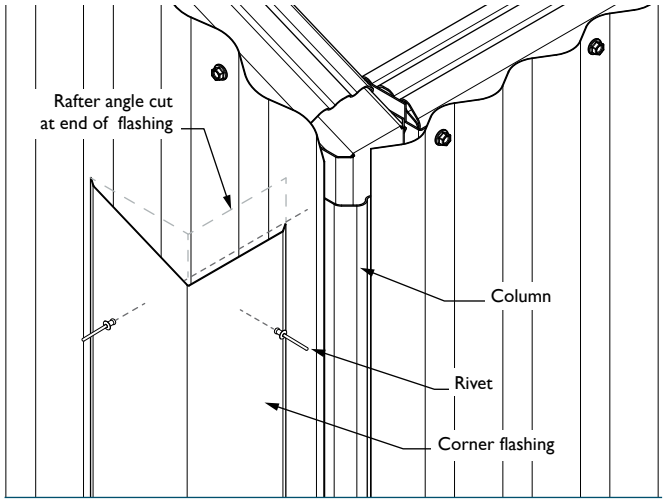


Figure 7.3

Attaching Door Flashings

Door trim flashing is to be positioned on the outside corners of the door jambs and riveted every 600mm (Figure 6.0).

The door lintel flashing is to cover the door lintel and is secured through the front face using at least two 10x16 self-drilling screws (Figures 7.4 and 7.5).

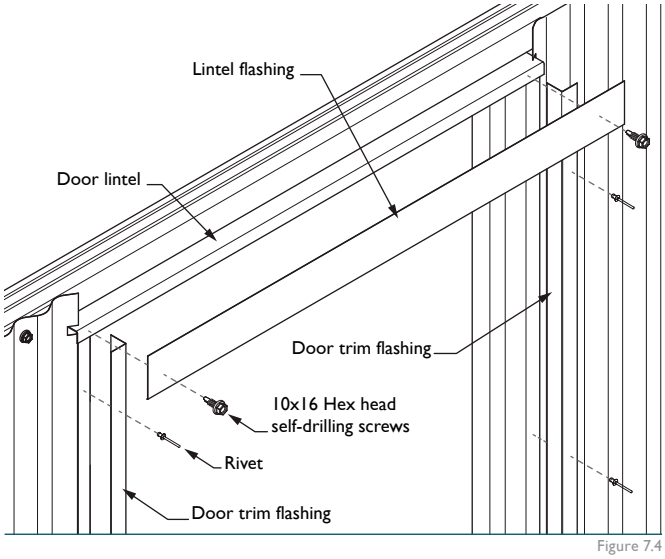


Figure 7.4

For doors positioned at gable ends a door trim flashing is used in conjunction with a gable door apron (Figure 7.6). The gable door apron fits beneath the gable wall sheets and is secured to the upper horizonal girt using 10x16 self-drilling screws through the sheets and apron.

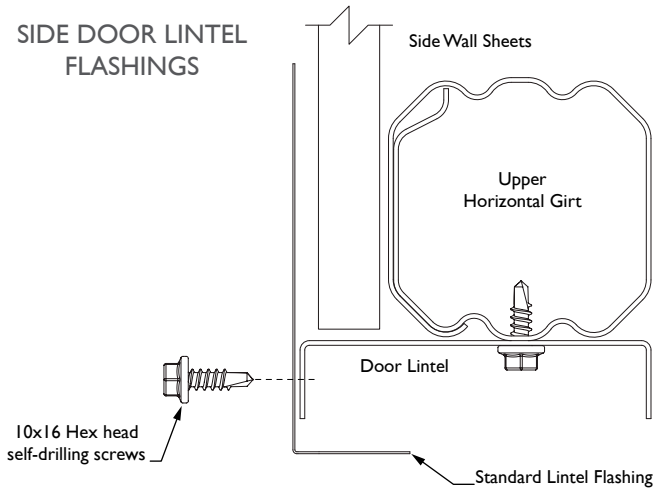


Figure 7.5

An extra piece of door trim flashing is provided to cover the lintel. The door trim is secured through the front face using at least two 10x16 self-drilling screws (Figure 7.6).

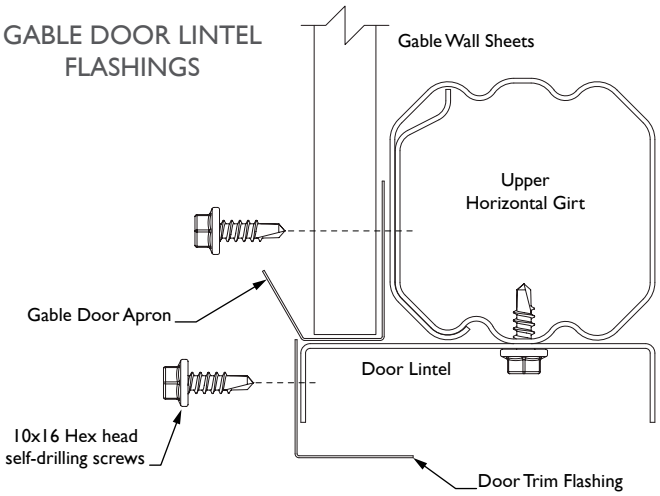


Figure 7.6

WINDOW INSTALLATION

When installing a louvre window the walling sheets must be trimmed to create an opening for the window to situate (Figure 8.0). The louvre window is to rest upon either the extra end girt at a gable end (H1, H2, or H4) (See 'Gable End Assembly'), or nest against the top girt on any side wall or H3 gable end. Contact against these girts will provide extra strength and rigidity when fastened.

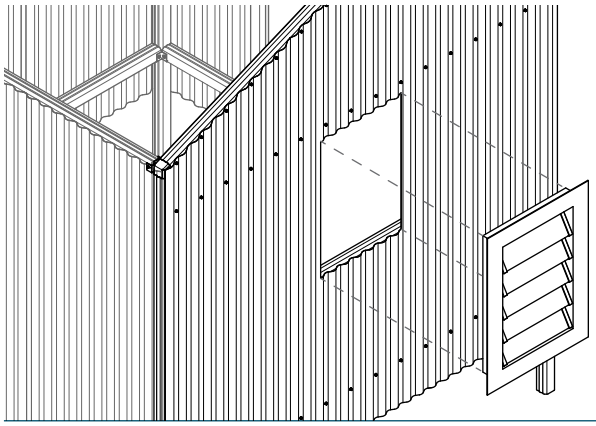


Figure 8.0

See 'Gable End Assembly' for girt construction details.

After the window opening has been created in the walling, the louvre window can be inserted and fastened using 10x16mm self-drilling screws through the window frame and the outside sheeting (Figure 8.1).

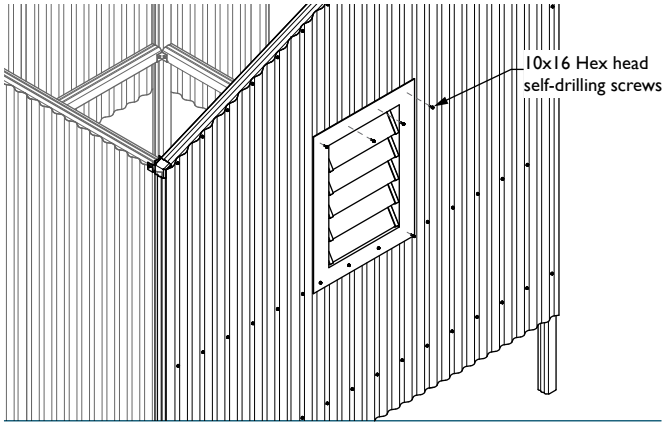


Figure 8.1

INSTALLING DOUBLE DOORS

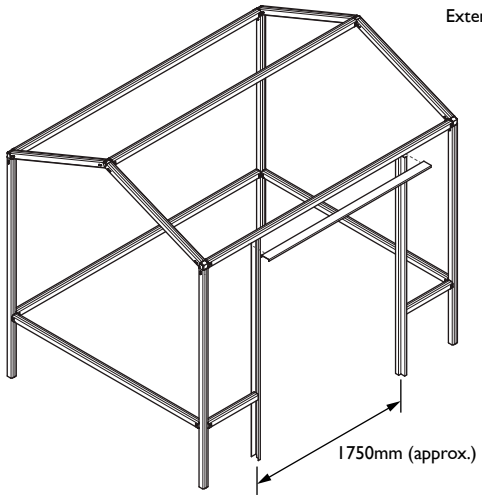


Figure 9.0

Double doors are installed in the same manner as single doors (see 'Installing the Door Jamb'), but the installer must increase the spacing between door jambs to accommodate for an extra door (Figure 9.0).

The spacing between jambs should be approximately 1750mm.

Use a hacksaw to cut the door girts. When cutting the door girts to size from the supplied length, rather than removing 880mm from the remaining length, 1750mm must be removed (Figure 9.1).

An extended door lintel must be used to span the distance between the jambs and fastened as per single door installation (Figure 9.0).

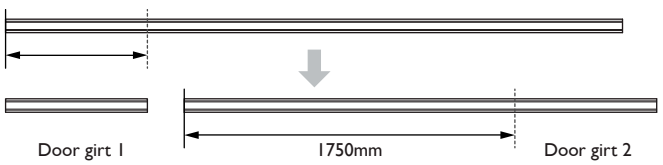


Figure 9.1

An extended door lintel flashing must be fastened over the door lintels as per single door installation (Figure 9.2)

Two doors must be assembled. The first door will be created in the same manner as with single door units (see 'Door Assembly and Installation'). The side on which the handle is placed will determine which side this door is positioned.

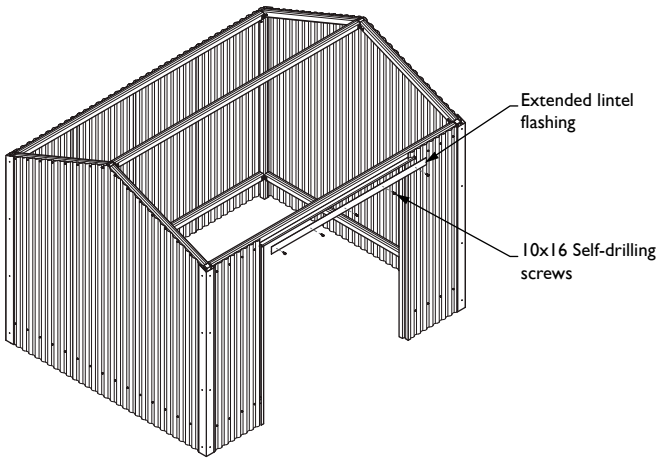


Figure 9.2

The second door is to be assembled as a mirror image of the first door, except no handle is used. Instead, before fastening the corrugated sheet, secure a double door bracket to the middle of the door frame using a 10x16 self-drilling screw (Figure 9.3).

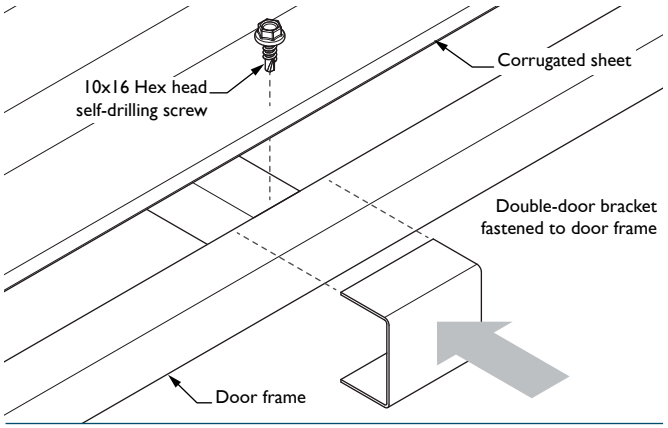


Figure 9.3

Once both doors are assembled, fasten two 100x75 butt hinges to each frame on the appropriate sides using 10x16 wafer head screws.

Hang doors as detailed in 'Door Assembly and Installation'.

Note: Be sure the clearance between doors is not tight and both doors can open freely when unlatched.

A drop-bolt is required on the second door. Position the drop-bolt on the bottom-inside corner of the second door frame. Secure using two 10x16 wafer head screws (Figure 9.4). When the shed is fully installed and both doors are closed and square, mark out the drop bolt position and create a locating hole in the ground.

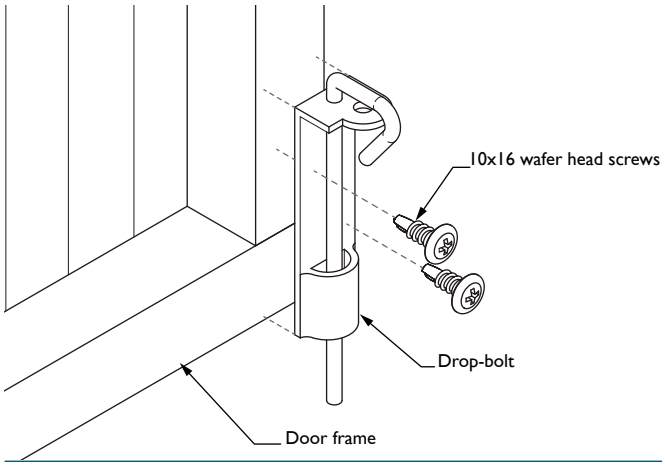


Figure 9.4

A pad-bolt must also be installed at the top of the second door. Secure the pad-bolt to the top of the door frame of the second door using two 10x16 wafer head screws (Figure 9.5).

A hole must be drilled through the second double door bracket to fit the pad-bolt. The double door bracket must then be fastened within the lintel, lining the hole up with the pad-bolt when the door is in a closed position (Figure 9.5). Use two 10x16 self-drilling screws to secure.

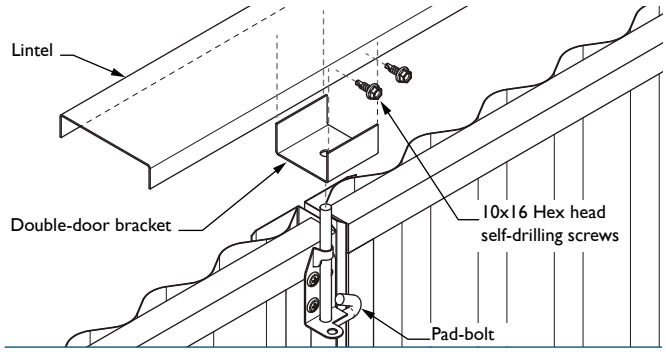


Figure 9.5

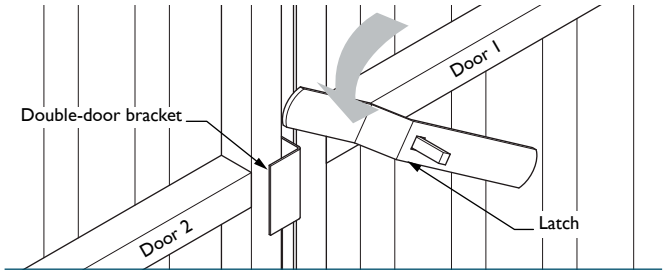


Figure 9.6

GUTTER AND DOWNPIPE INSTALLATION

Gutter Assembly

The gutters supplied may need to be trimmed to length. The length of the gutter should equal the distance along the side wall, from the outside face of each gable end.

Rivet a left and right-hand stop end to each length of gutter and seal with silicone (Figure 10.0).

Cut a hole for the downpipe outlet at the end of the gutter where the downpipe is to be positioned (Figure 10.0).

Secure the outlet into position with four rivets and seal with silicone.

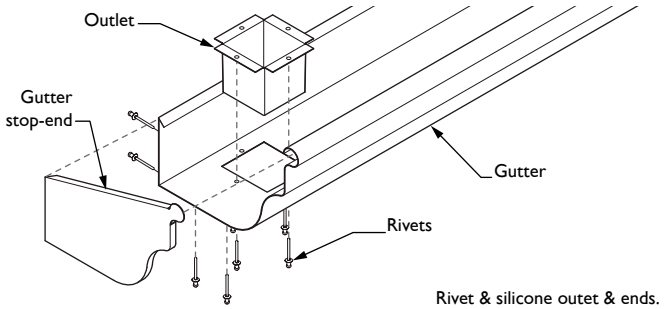


Figure 10.0

Gutter Installation

Crest fix the supplied gutter brackets 20mm from the top of the wall sheets at 1200mm centres with 10x16 self-drilling screws as illustrated in Figure 10.1.

Be sure to include a slight fall along the gutter towards the downpipe end, as this will encourage draining.

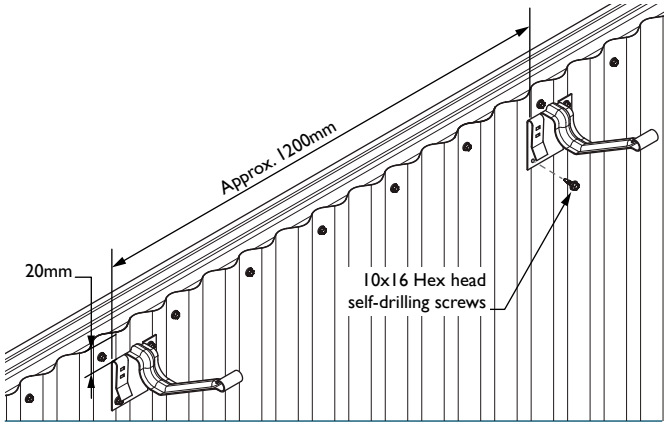


Figure 10.1

Once the gutter brackets have been installed, roll the gutter bead onto the gutter bracket and clip the back of the gutter into position.

Downpipe Installation

Fit the downpipe to the pre-installed downpipe outlet using rivets. Fix against the wall sheets using downpipe straps and rivets (Figure 10.2).

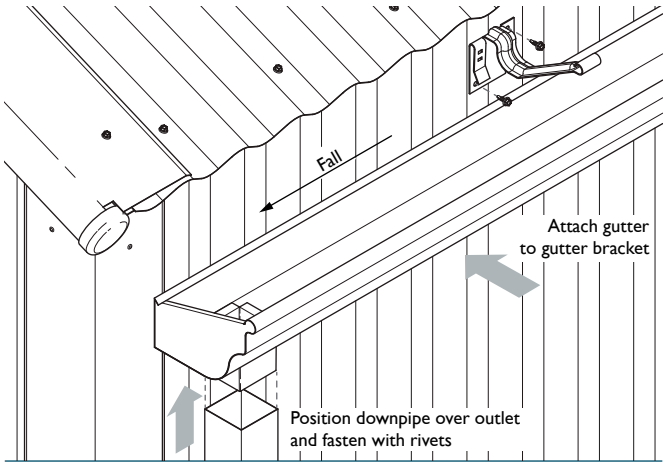


Figure 10.2

ROOFING AND CAPPING INSTALLATION

Attaching Roof Sheeting

Fix the roof sheets, starting from one end of the shed. Ensure the first sheet is square with the frame and that the roof sheets overhang into the gutter by approximately 50mm.

Crest fix the sheets with 12x35mm self-drilling screws with neoprene washers, using five 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.

If gutter has not been attached, fix the sheeting capping to the edge of the corrugated roof sheets with rivets at 300mm centres (Figures 11.1 and 11.2).

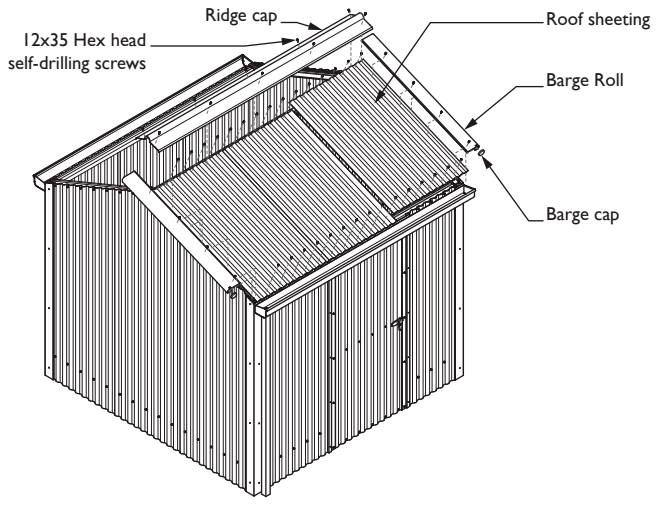


Figure 11.0

Attaching Barge Rolls and Ridge Capping

The barge roll must be fixed to the roof sheets at 600mm centres using 12x35 self-drilling screws with neoprene washers (Figure 11.0 and 11.3). Notch the end of the barge if a gutter has been fixed. Cap each length of barge with a painted post cap as shown in Figure 11.3.

Note: Do not over screw as the barge will ripple.

Fit the ridge capping flush with the end of the barge, fastening at 600mm centres with 12x35 self-drilling screws (Figure 11.0). The ridge capping should be at a length approximately 100mm longer than the gutter.

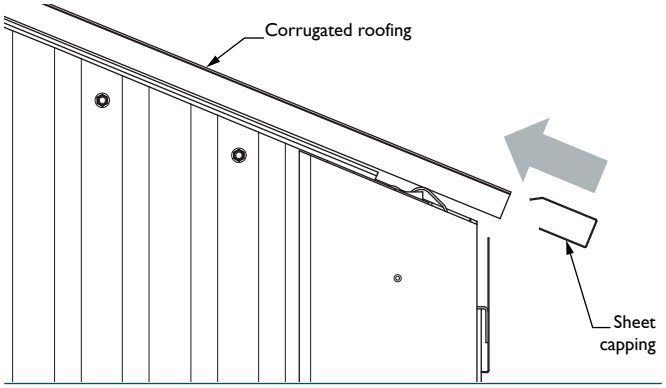


Figure 11.1

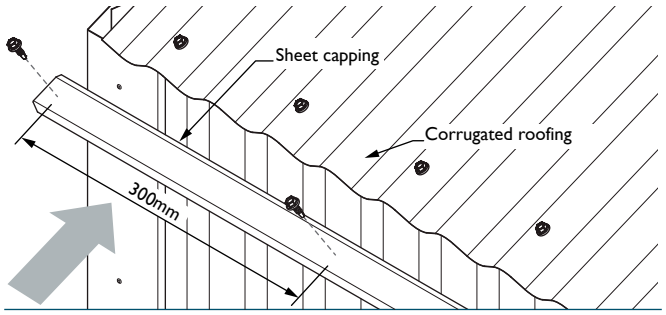


Figure 11.2

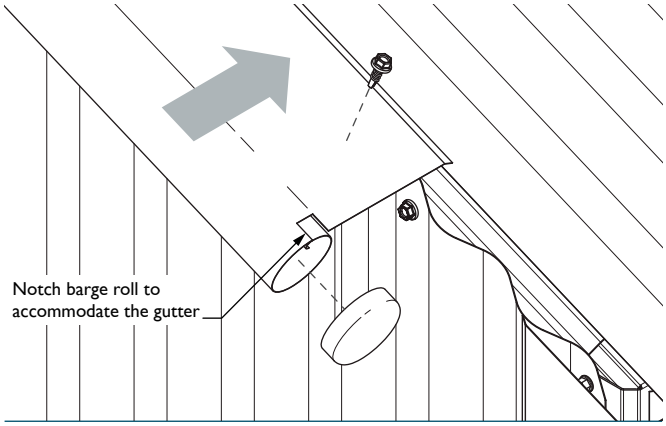


Figure 11.3

SECURING SHED TO CONCRETE

If fixing onto a concrete slab, the footing plates must be bolted in using three M6x40 masonry anchors, and the door jamb using a 45mm angle bracket with an M10x20 hex head bolt and M6x40 masonry anchor.

Note: Concrete is to have a minimum strength of 20MPa.

The corner hole on each footing plate will be easily accessed. When the unit is square and level in its finalised position, secure all footing plates to the ground through this hole using an M6x40 masonry anchor (Figure 12.0).

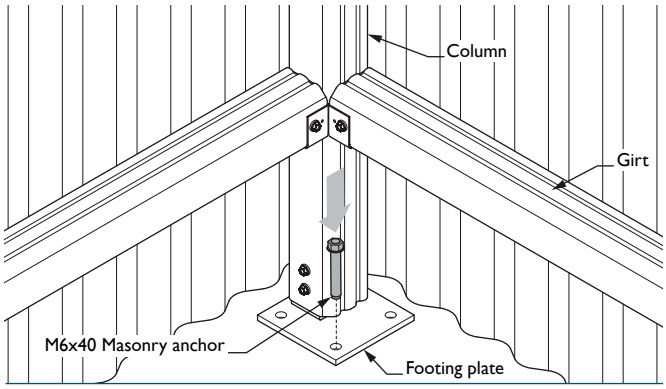


Figure 12.0

Beginning on only one side of the shed, carefully remove the 10x16 self-drilling screws securing the wall sheeting to the lower girt (Figure 12.1). These screws must be kept for re-fastening the wall sheets.

When the wall sheets are loose from the lower girt, unfasten the 10x16 self-drilling screws that secure the lower girt to the beam bracket (Figure 12.2). These screws must be kept for re-fastening the lower girt. Now the lower girt should be free to remove from the unit (Figure 12.3).

This has now created enough space to secure the footing plate with M6x40 masonry anchors through the remaining accessible holes (Figure 12.4). When the exposed footing plate holes have been secured, the lower girt can be re-positioned within the beam brackets and re-secured to the beam brackets and wall sheets.

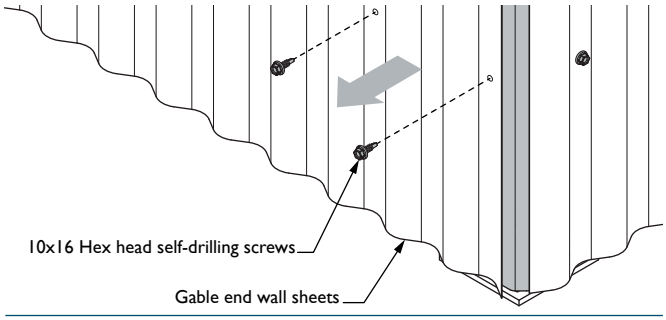


Figure 12.1

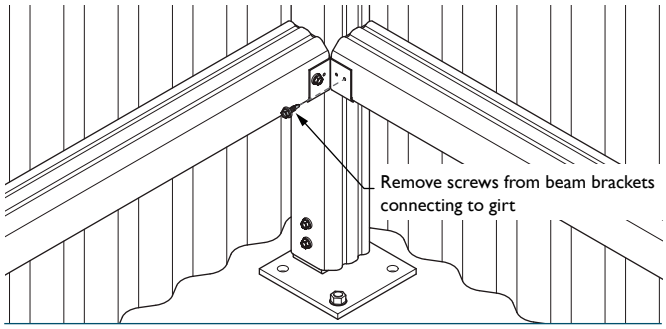


Figure 12.2

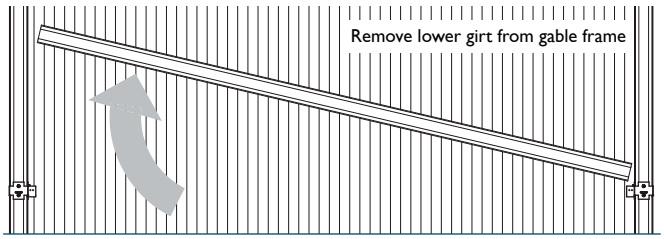


Figure 12.3

Repeat this process around the unit to fasten all footing bracket holes.

DO NOT REMOVE OR UNFASTEN MORE THAN ONE GIRT AT THE ONE TIME.

FIXING A SPIRE

Drill a 12mm diameter hole into the corrugated sheeting directly in line with the apex of the ridge.

The hole should be approximately 192mm (for 700mm 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 13.0.

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

Check the spire is vertical and plumb with a spirit level, and thread the bolt through the 12mm hole. Fasten with the remaining washer and nut and seal with silicone.

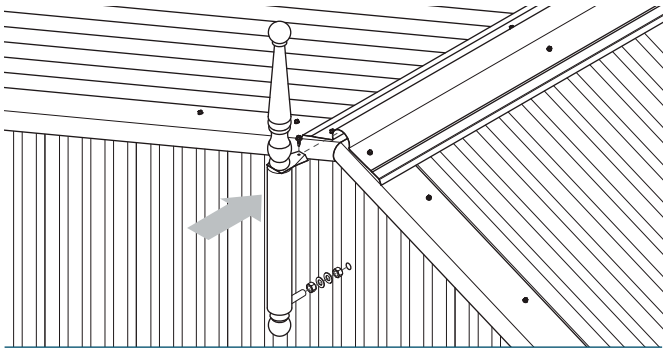


Figure 13.0

MAINTENANCE

Your Stratco Handi-Garden Shed will maintain its good looks for even longer with a simple wash and wipe down. Cleaning should be performed as often as is required to remove any dirt, salt and pollutants.

Stratco Handi-Sheds are produced from the highest quality materials and will provide many years of service, refer to the 'Selection Use and Maintenance' brochure for more information on how to get the best out of your product.

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