BEFORE YOU START

• To ensure the installation and erection of your Stratco Handi-Saver Shed proceeds smoothly, you should confirm that all the components and materials listed in this installation guide have been supplied.

• Carefully read this installation guide to familiarise yourself with all the steps involved and ensure that you have the correct tools and equipment for the job.

• There are different types of screws used. Ensure the correct type of screw is being used at each location.

• Do not traverse the roof of the Stratco Handi-Saver Shed.

• Use heavy gloves and safety glasses when handling steel and never attempt to install a shed in windy conditions.

FLOORING PREPARATION

The installer is responsible for ensuring the slab or concrete pads are sufficient to support the shed and sustain wind loading. Do not directly anchor your shed to pavers.

Option 1 - Before building the shed, pour a base that is larger than the area by at least 200mm in each direction. The base should be poured so the concrete outside the shed floor area slopes away from the shed to help prevent water from entering the shed.

Option 2 - Substantial concrete pads may be used at each anchor location as an alternative to a complete concrete floor. It is recommended pads are minimum Ø250mm x 400mm deep, embedded into a firm natural soil base.
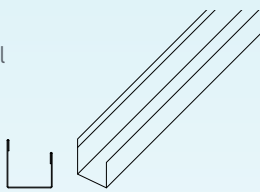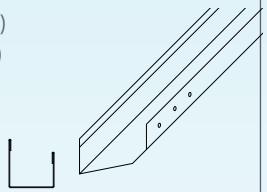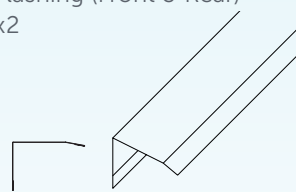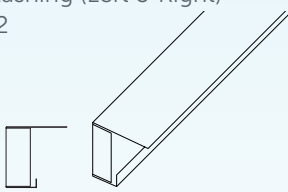
TOOLS AND HARDWARE REQUIRED
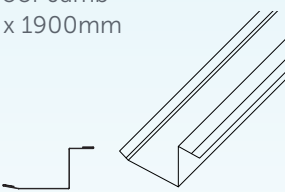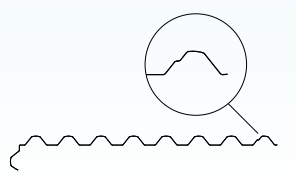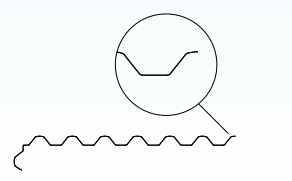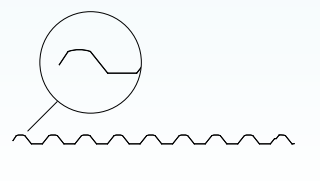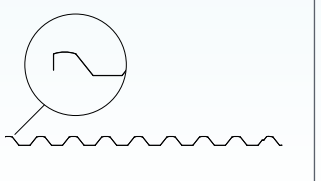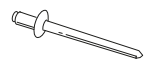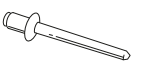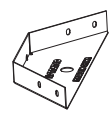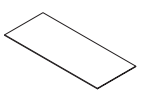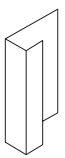
- Cordless Drill
- 5/16 Hex-head & PH2 Phillips-head Bit
- 3.5mm & 5mm Steel Drill Bit
- 10mm Masonry Drill Bit
- Adjustable Spanner
- Tin Snips (Optional)

- Rivet Gun
- Tape Measure
- Ladder/ Step Ladder
- Trestles/ Table
- Safety Gloves
- Safety Glasses

HANDI-SAVER® SHED

HANDI SAVER SHED INSTALLATION GUIDE

COMPONENTS

Door Frame & Door Shroud
2 x 1840mm   Door Frame Vertical
2 x 750mm   Door Frame Horizontal
1 x 760mm   Door Shroud

Wall Channel
4 x 700mm   Wall Channel (Short)
4 x 1400mm   Wall Channel (Long)

Flashing (Front & Rear)
x2

Flashing (Left & Right)
x2

Door Jamb
2 x 1900mm

Door Brace
1 x 750mm   Door Brace (Short)
2 x 1145mm   Door Brace (Long)

Standard Corner Sheet
3 x 1900mm

Split Front Corner Sheet
1 x 1900mm

Wall Sheet - 1 x 1900mm
Roof Sheet - 1 x 1500mm

Door Sheet
1 x 1840mm

10x16mm Wafer-Head Screw
x20

10x16mm Hex-Head Screw
x75

10x16mm Hex-Head Screw with Washer
x26

3.2mm Rivet
x20

4.8mm Rivet
x12

Corner Bracket
x8

Padbolt & Latch
x1

Padbolt Mount Plate
x1

Hinge
x 2

Door Jamb Bracket
x 3

SHORT WALL ASSEMBLY

Note: The 'Sheet Crest', as referenced throughout this guide, refers to the curved top faces of the sheet.

Sheet Crest
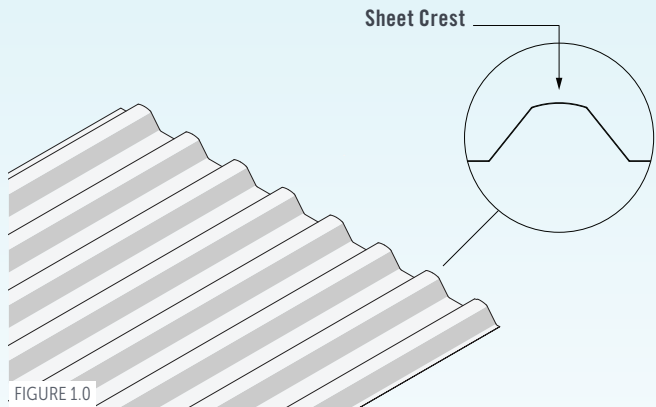
FIGURE 1.0

Fit two Wall Channels (Short) over the ends of a Standard Corner Sheet.

Wall Channel (Short)

Standard Corner Sheet

FIGURE 1.1

Fasten the two Wall Channels (Short) to the Standard Corner Sheet using three 10x16 Hex-Head Screws in each Wall Channel. Ensure the Screws are fastened into the centre of the Sheet crests.

10x16mm Hex-Head Screw
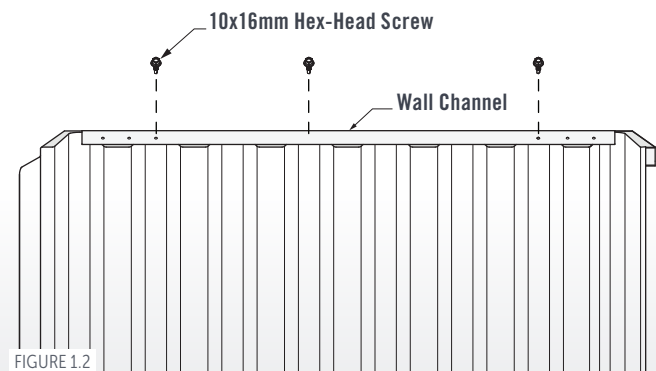
Wall Channel

FIGURE 1.2

Wall Channels have three pilot holes in each end. Fasten through the pilot holes of each end first, then fasten the middle screws secondly.

Fasten through pilot holes first

Fasten middle Screws secondly
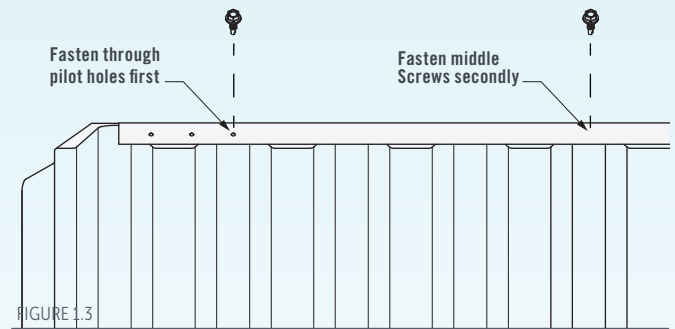
FIGURE 1.3

Repeat these steps (Figure 1.0 - 1.3) to assemble another Short Wall.

LONG WALL ASSEMBLY

Fit two Wall Channels (Long) over the ends of a Standard Corner Sheet and Wall Sheet.

Wall Channel (Long)

Standard Corner Sheet
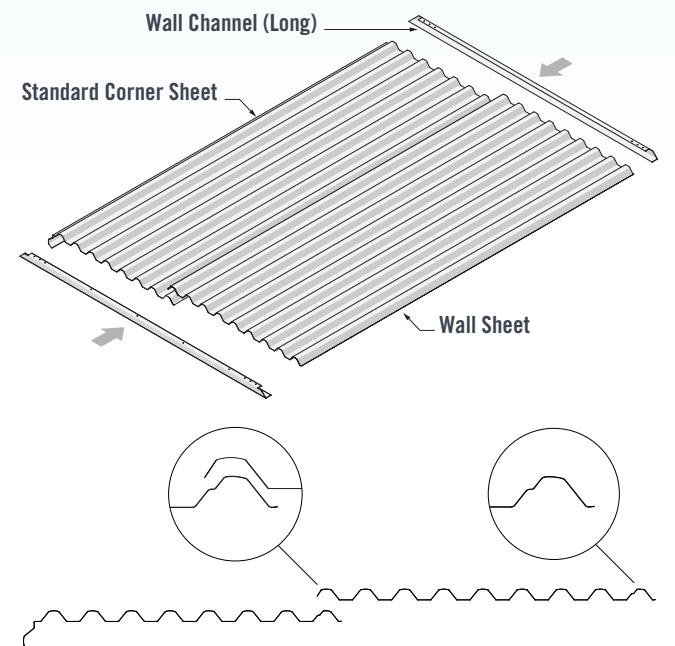
Wall Sheet

FIGURE 2.0

Fasten the two Wall Channels (Long) to the Standard Corner Sheet and Wall Sheet using six 10x16 Hex-Head Screws in each Wall Channel. Ensure the Screws are fastened into the centre of the Sheet crests.

10x16mm Hex-Head Screw

Wall Channel

FIGURE 2.1

FRONT WALL ASSEMBLY

Fit two Wall Channels (Long) over the ends of the Split Front Corner Sheet.

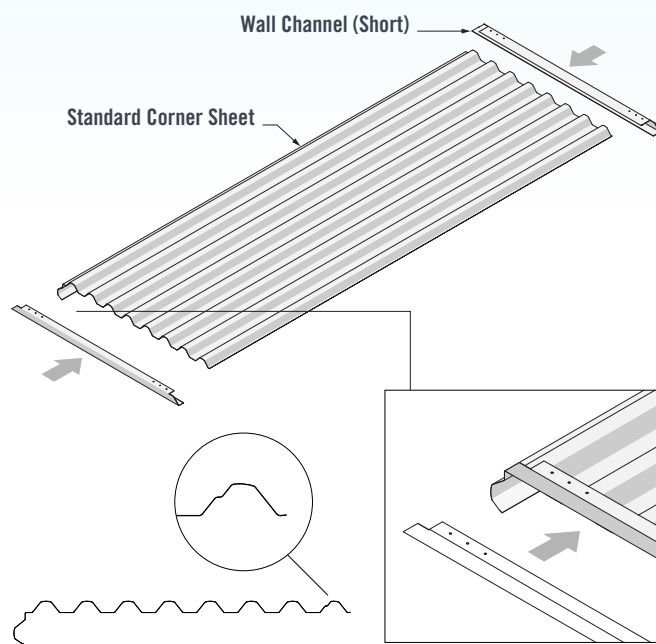Split Front Corner Sheet
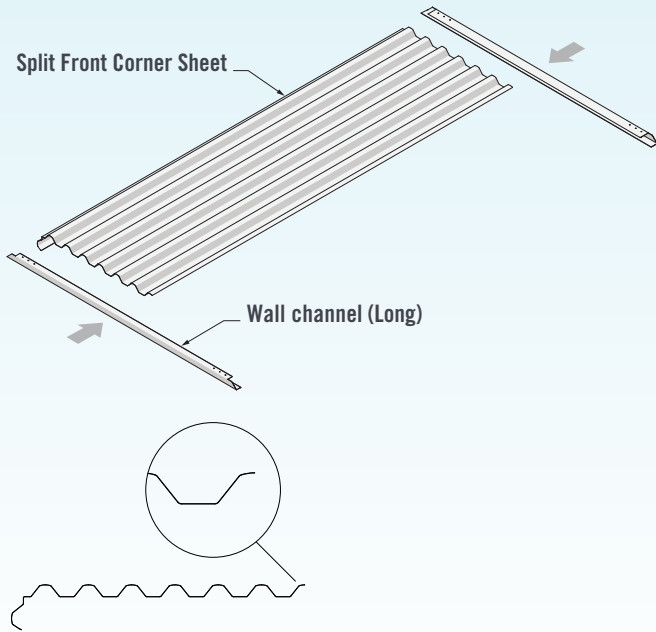
Wall channel (Long)

FIGURE 3.0

Fasten the two Wall Channels (Long) to the Split Front Corner Sheet using two 10x16 Hex-Head Screws in each Wall Channel. Ensure the Screws are fastened into the centre of the Sheet crests.

10x16mm Hex-Head Screw   Wall Channel
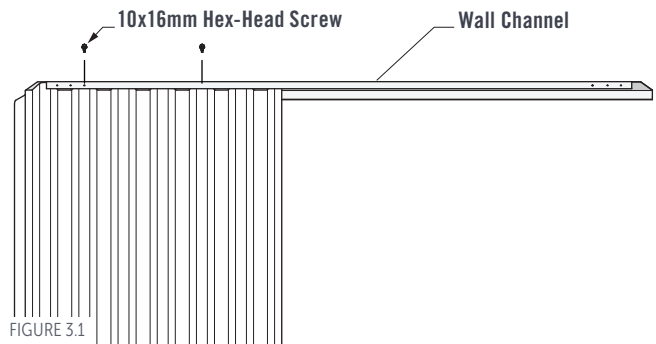
FIGURE 3.1

Fit the Door Jamb into the Wall Channels and over the end of the Split Front Corner Sheet.

Split Front Corner Sheet

Door Jamb

Wall channel

Corner Sheet   Door Jamb
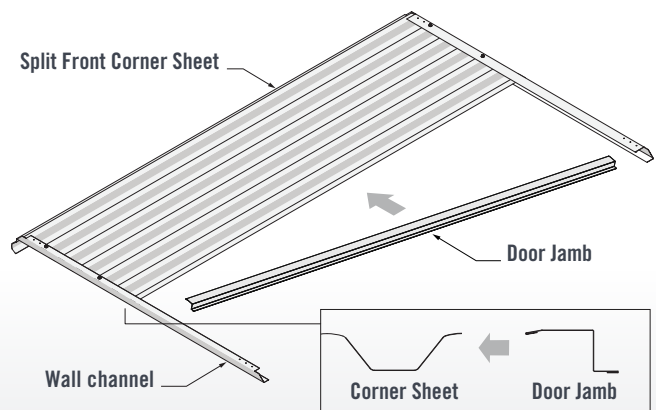
FIGURE 3.2

Ensuring the Door Jamb is up against the Corner Sheet, fasten a 10x16 Hex-Head Screw through the Wall Channels (Long) and into the Door Jamb at both ends.
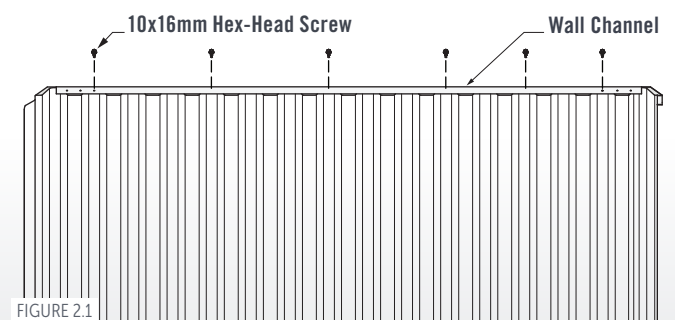
Slide the second Door Jamb into the end of the Wall Channels. Do not fasten the second Door Jamb yet.

10x16 Hex-Head Screw

Split Front Corner Sheet

Door Jamb

Wall channel (Long)

10x16 Hex-Head Screw

Door Jamb

Wall channel (Long)

FIGURE 3.3

JOINING WALL ASSEMBLIES

Fit the corner end of the Long Wall Assembly over the lap end of a Short Wall Assembly. Ensure the Corner Sheet is tucked inside the top and bottom Wall Channels.

Long Wall Assembly

Short Wall lap end

Long Wall corner end

Short Wall Assembly

FIGURE 4.0

At the corner where the Wall Assemblies fit together, fit a Corner Bracket. The Corner Bracket fits over the Wall Channels at the top.

Wall Channel

Corner Bracket

FIGURE 4.1

Fasten the Corner Bracket to the Wall Channels through the pilot holes using four 10x16 Hex-Head Screws.

Wall Channel

Corner Bracket

10x16 Hex-Head Screw

FIGURE 4.2

Fit a Corner Bracket over the Wall Channels at the bottom corner. Fasten the Corner Bracket to the Wall Channels through the pilot holes using four 10x16 Hex-Head Screws.
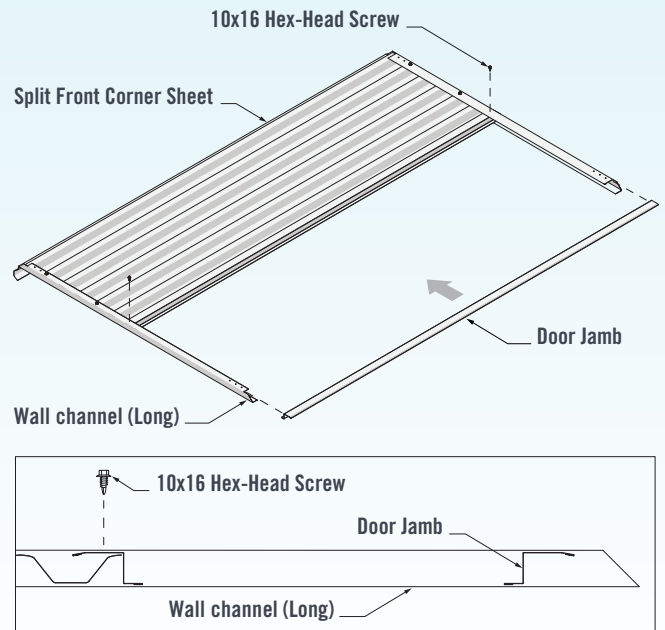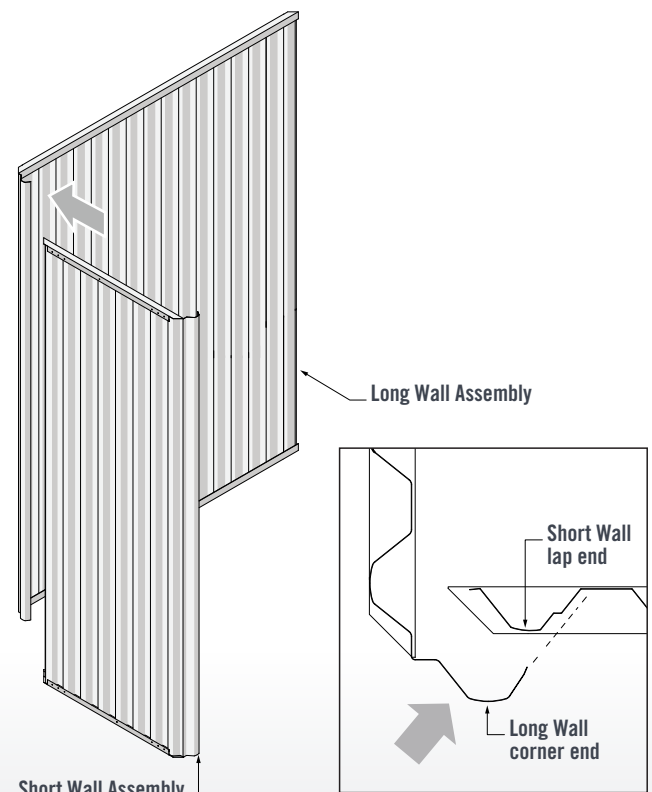
Corner Bracket

10x16 Hex-Head Screw

FIGURE 4.3

Fit the corner end of the Short Wall Assembly over the lap end of the Long Wall Assembly.

Long Wall Assembly

Short Wall Assembly

Short Wall corner end

Long Wall lap end

FIGURE 4.4

Fit a Corner Bracket over the Wall Channels at the top corner. Fasten the Corner Bracket to the Wall Channels through the pilot holes using four 10x16 Hex-Head Screws.

Wall Channel

Corner Bracket

10x16 Hex-Head Screw
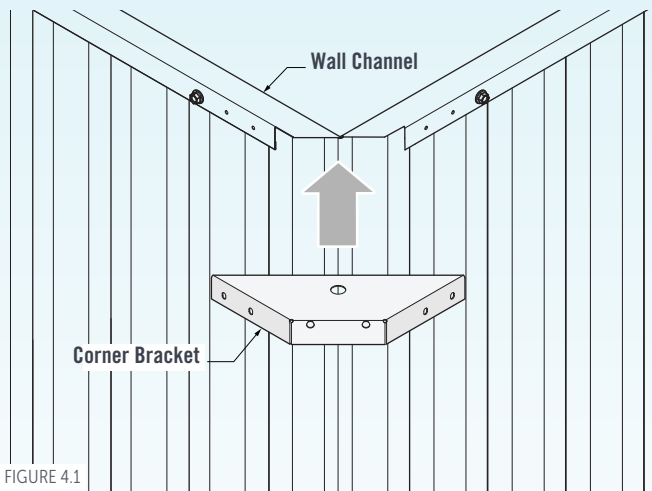
FIGURE 4.5

Fit a Corner Bracket over the Wall Channels at the bottom corner. Fasten the Corner Bracket to the Wall Channels through the pilot holes using four 10x16 Hex-Head Screws.

Corner Bracket

10x16 Hex-Head Screw
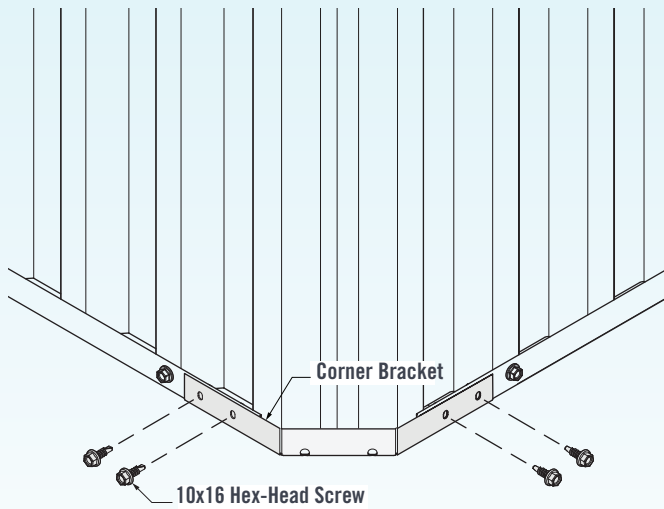
FIGURE 4.6

Fit the corner end of the Front Wall Assembly over the lap end of the Short Wall Assembly.

Short Wall Assembly

Front Wall Assembly
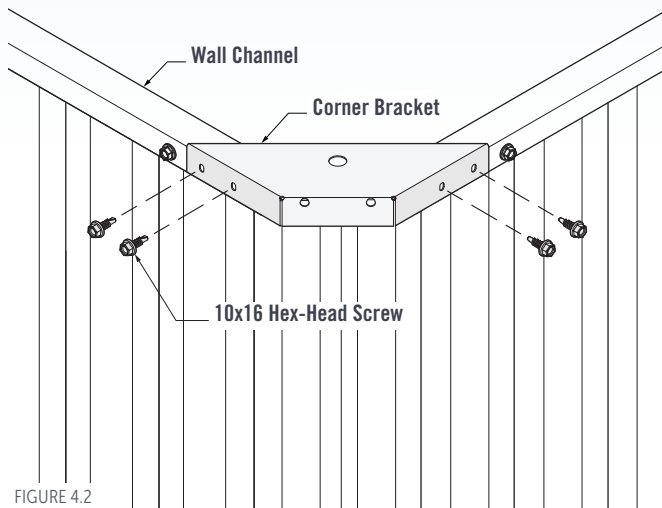
Front Wall corner end

Short Wall lap end
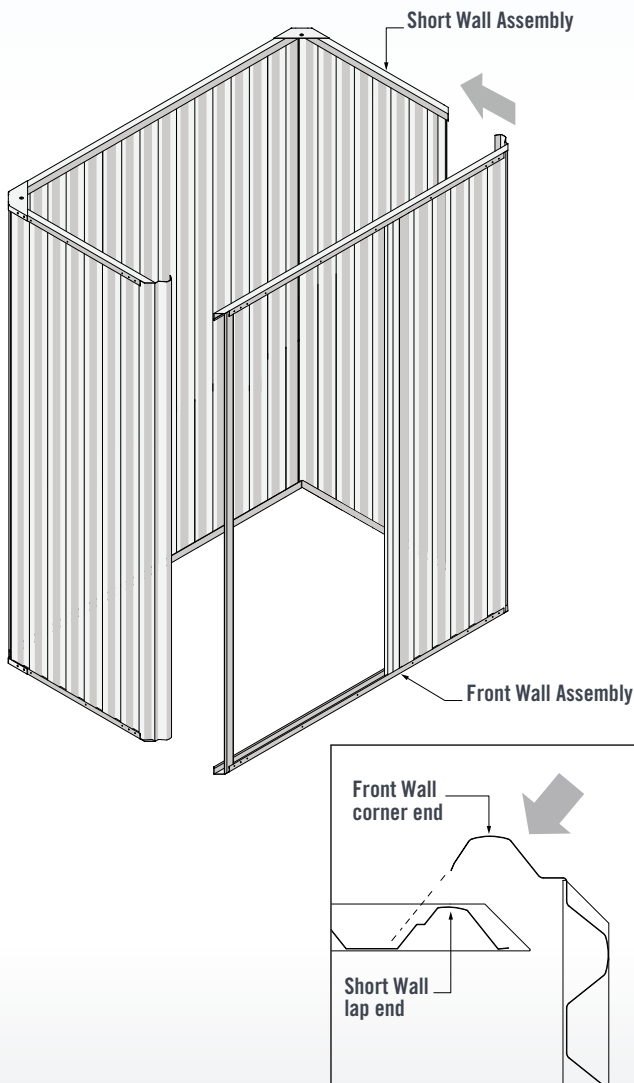
FIGURE 4.7

Fit a Corner Bracket over the Wall Channels at the top corner. Fasten the Corner Bracket to the Wall Channels through the pilot holes using four 10x16 Hex-Head Screws.

Wall Channel

Corner Bracket

10x16 Hex-Head Screw
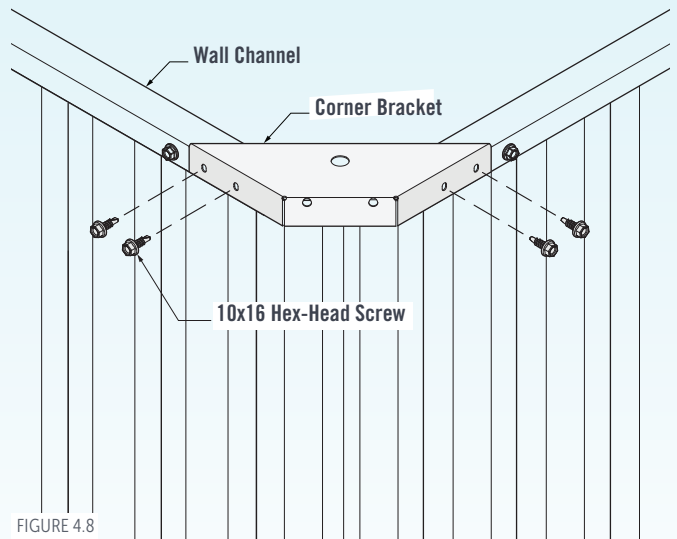
FIGURE 4.8

Fit a Corner Bracket over the Wall Channels at the bottom corner. Fasten the Corner Bracket to the Wall Channels through the pilot holes using four 10x16 Hex-Head Screws.
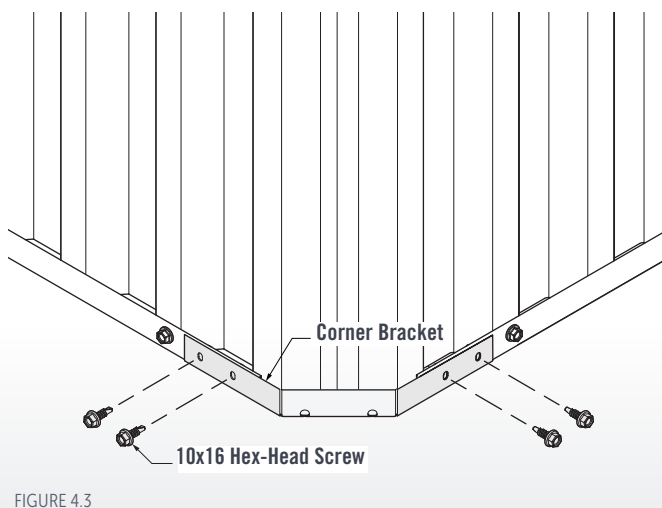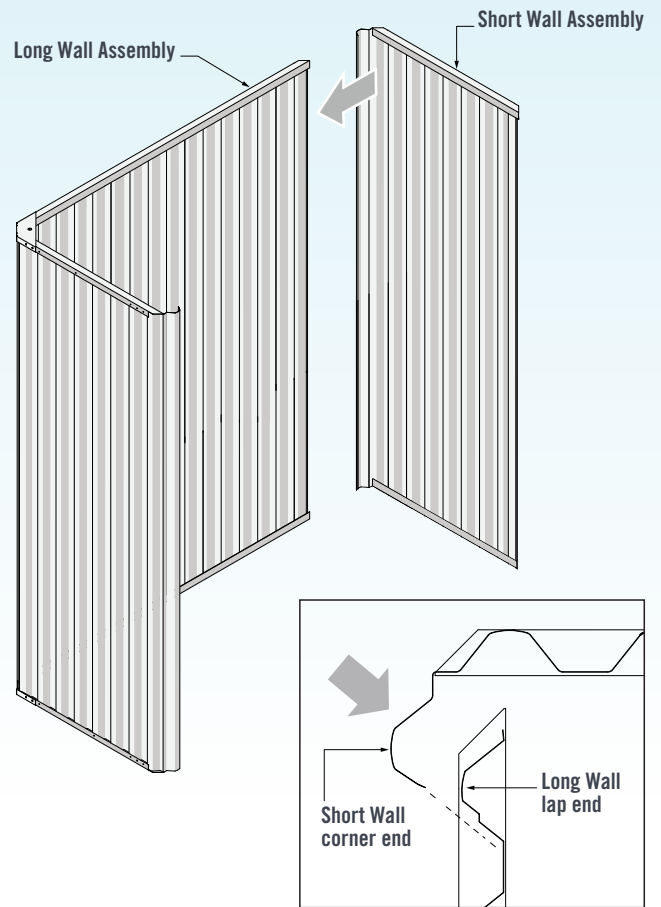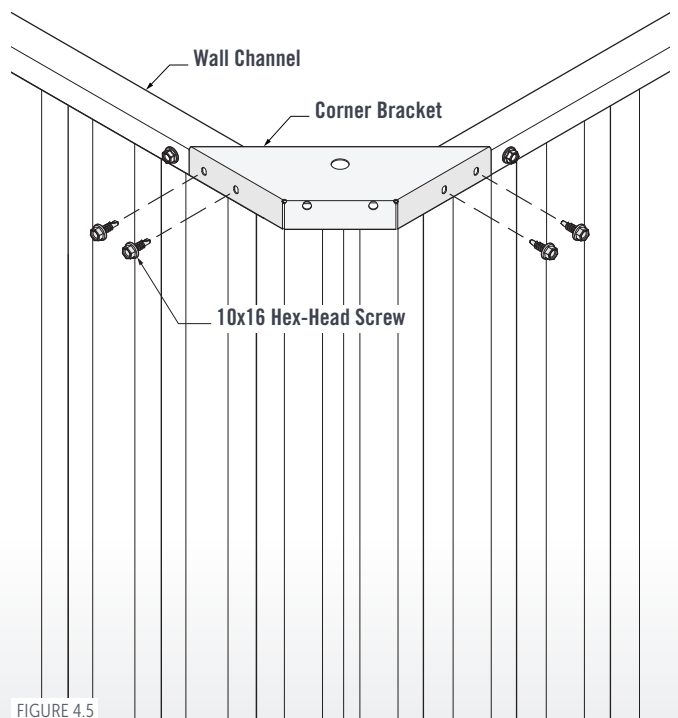
Corner Bracket

10x16 Hex-Head Screw

FIGURE 4.9

Fit the corner end of the Short Wall Assembly into the Door Jamb of the Front Wall Assembly.

Ensure there is approximately a 765mm gap between the Door Jambs (Figure 4.10).

Fit a Corner Bracket over the Wall Channels at the bottom corner. Fasten the Corner Bracket to the Wall Channel (Short) through the pilot holes using two 10x16 Hex-Head Screws.

765mm

Front Wall Assembly

Short Wall Assembly

Door Jamb

Short Wall corner end

765mm

FIGURE 4.10

Fit a Corner Bracket over the Wall Channels at the top corner. Fasten the Corner Bracket to the Wall Channels through the pilot holes using four 10x16 Hex-Head Screws.
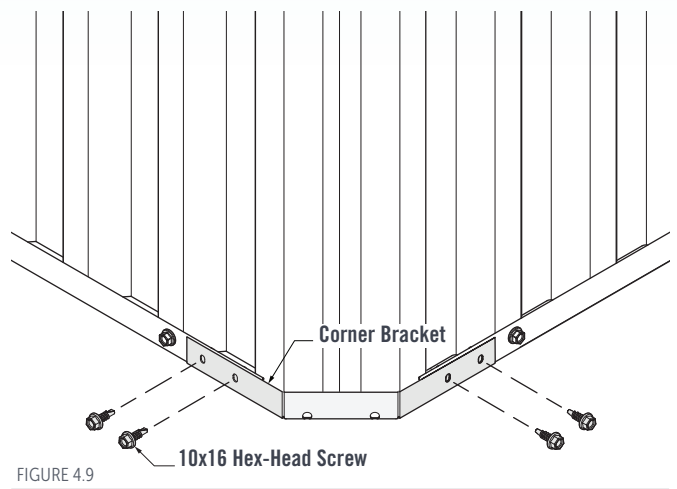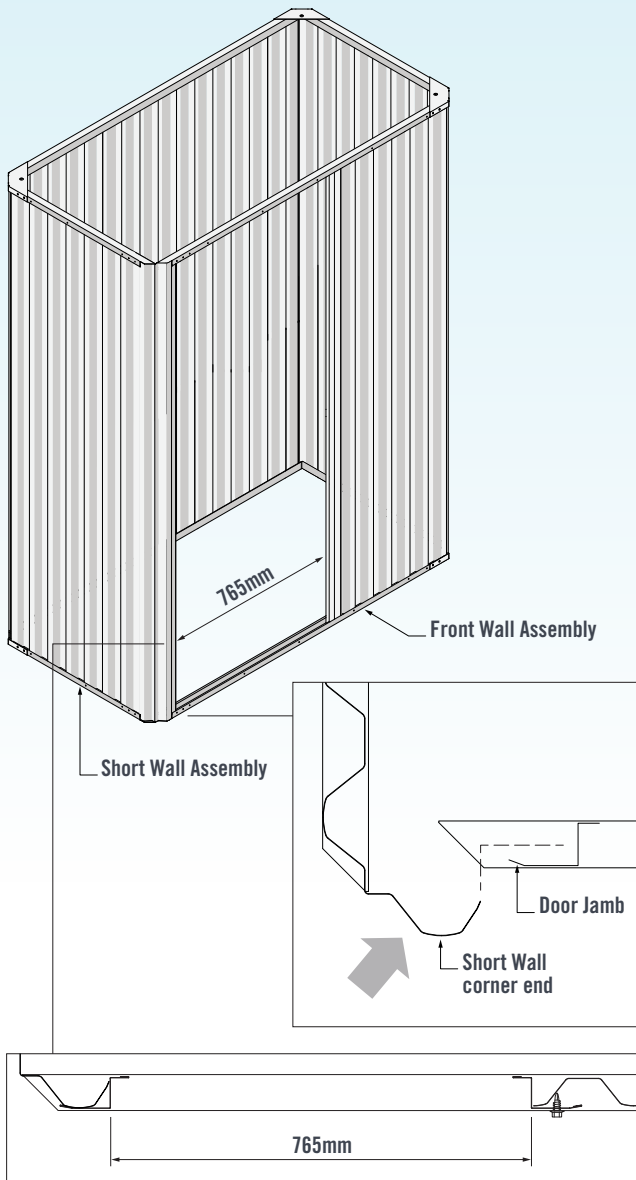Note: do not fasten into the Door Jamb.

Wall Channel

Corner Bracket

10x16 Hex-Head Screw

FIGURE 4.11

Corner Bracket

10x16 Hex-Head Screw

FIGURE 4.12

Fit the Door Shroud into the door opening. The Door Shroud fits over the bottom Wall Channel (Long).

Optional Step: it is recommended to use Tin Snips to notch the ends of the Door Shroud. This is to ensure the Door Shroud ends fit up against the Door Jambs without any gaps.

Door Shroud

Optional Step

Notch ends of Door Shroud

FIGURE 4.13

DOOR ASSEMBLY

Fit the Horizontal and Vertical Door Frames over the Door Sheet. Ensure the short side of the Door Frames are facing up. Fasten one 10x16 Hex-Head Screw through the Door Frames at all four corners.
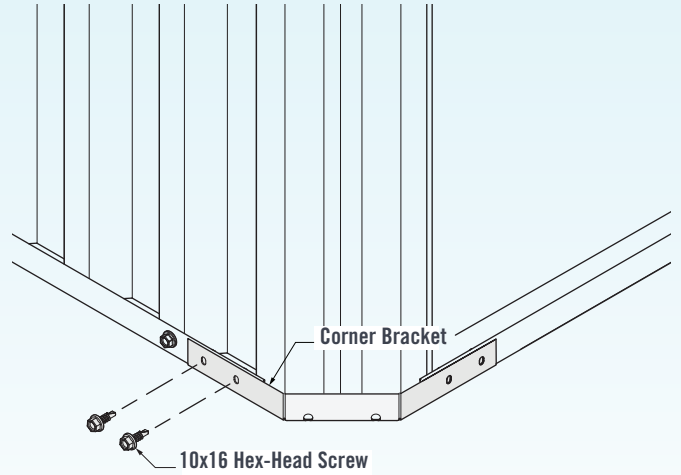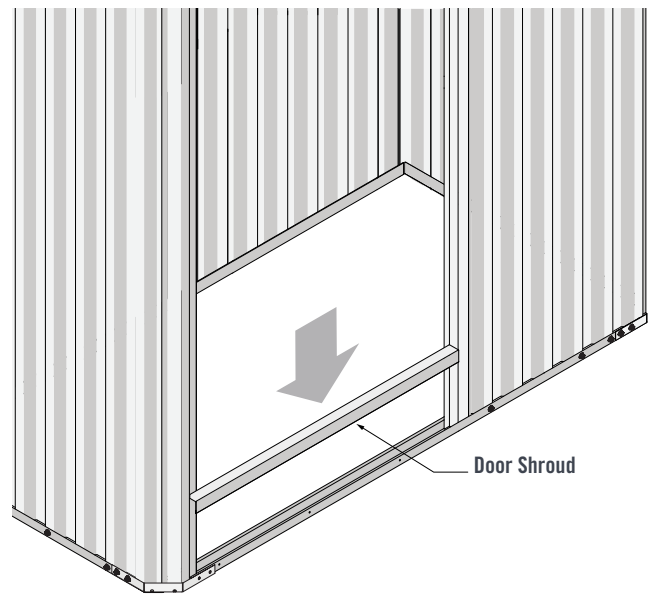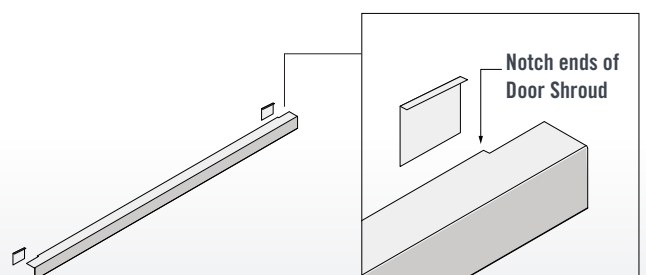

Door Frame (Horizontal)
10x16 Hex-Head Screw
Door Frame (Vertical)
Door Sheet
Door Frame (Vertical)
Door Frame (Horizontal)
Short side of Door Frame facing up
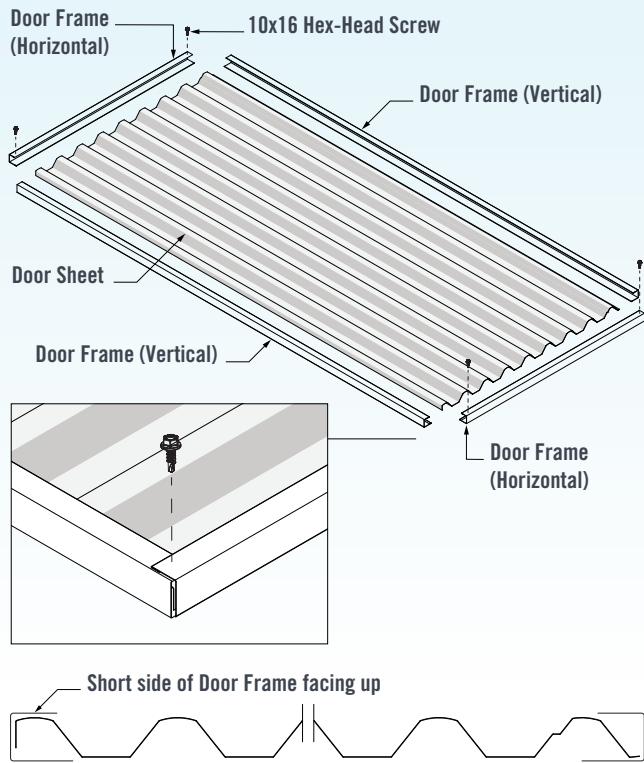
FIGURE 5.0

Fasten two 10x16 Hex-Head Screws through every second Sheet Crest at both ends.

10x16 Hex-Head Screw
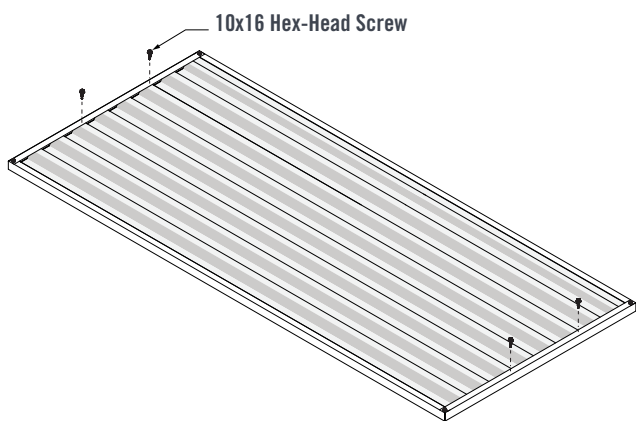
FIGURE 5.1

Turn the door over so that the underside is facing up. Loosely fit the three Door Braces into the Door Assembly. The Door Brace ends fit inside the Door Frames.

Fasten a 10x16 Wafer-Head Screw through the Door Frames at all four corners.

10x16 Wafer-Head Screw
Door Brace (Long)
Door Brace (Short)
Door Brace (Long)

FIGURE 5.2

Fasten a 10x16 Wafer-Head Screw through the Door Frames and into the Door Brace ends for all three Door Braces.

10x16 Wafer-Head Screw
Door Brace (Long)

FIGURE 5.3

Drill two 3.5mm holes through each Door Brace and into the Door Sheet. Ensure holes are drilled into every third sheet pan.

FIGURE 5.4

Turn the Door over. Fasten the Door Sheet to the Door Braces with six 3.2mm rivets through the drilled holes.
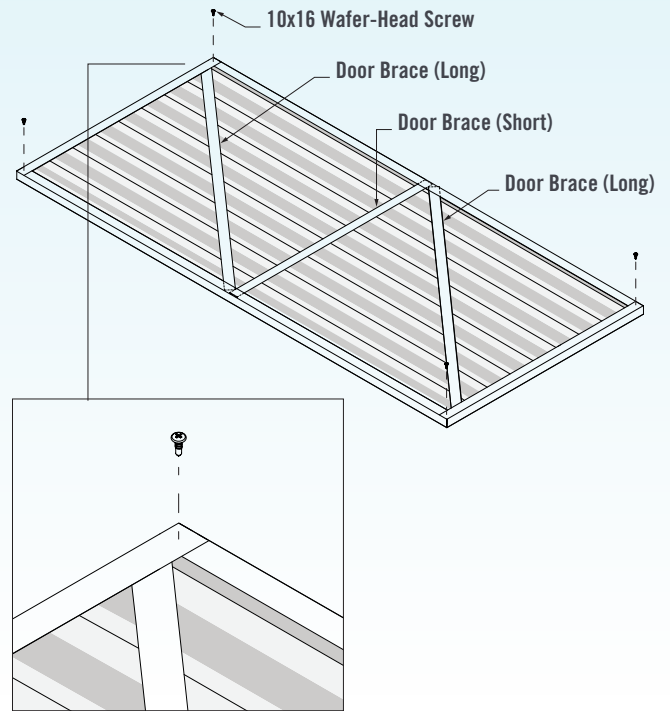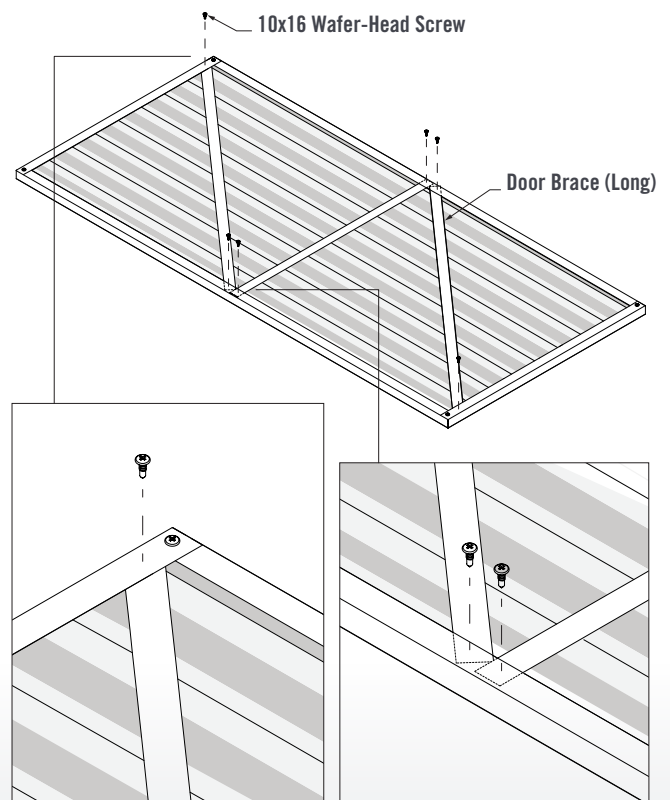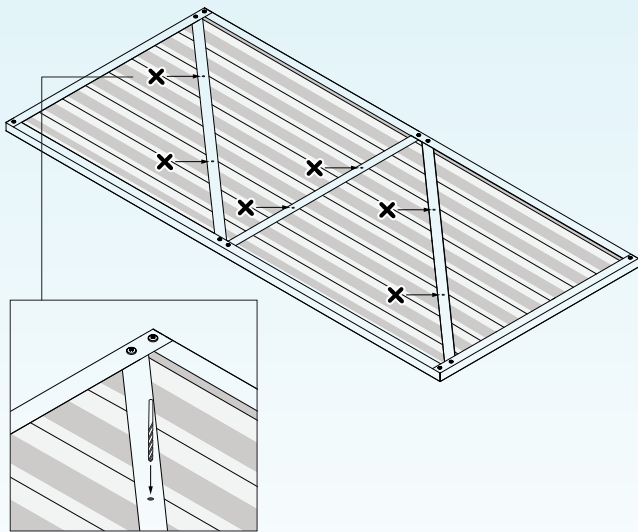

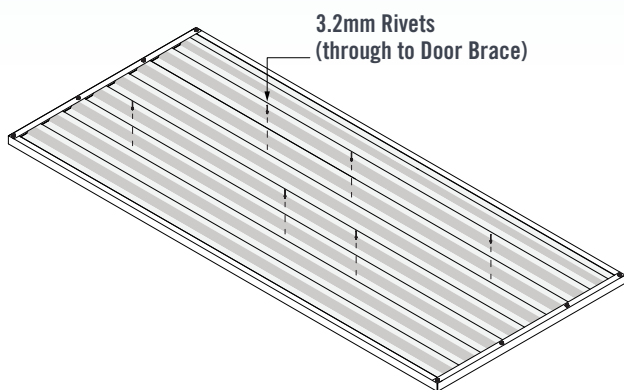**3.2mm Rivets (through to Door Brace)**

FIGURE 5.5

Confirm the position of the Door Sheet Lap. Place the Padbolt Mount Plate onto the Door Sheet Lap side, ensuring it is positioned underneath the middle point of the Door Frame. Drill four 3.5mm holes through the Mount Plate and Door Frame and into the Door Sheet. Rivet the Mount Plate with four 3.2mm Rivets.

Drill 3.5mm hole 3.2mm Rivet
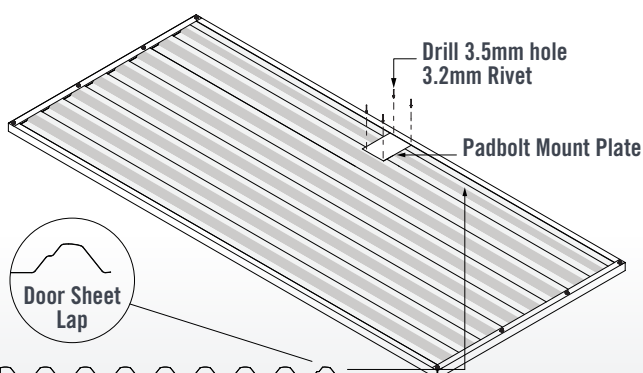
Padbolt Mount Plate

Door Sheet Lap

FIGURE 5.6

Stand the Door on it's side so that the Padbolt Mount Plate is located against the ground. Position one Hinge onto the upwards facing side of the Door.

Ensure the edge of the Hinge is in-line with the edge of the Door. Using the Hinge holes as a guide, drill a 5mm hole through the Door Frame.

Re-confirm the Edge of the Hinge is in-line with the edge of the Door Frame and that the Hinge is oriented correctly. Install a 4.8mm Rivet. Drill and install two 4.8mm Rivets through remaining two Hinge holes.

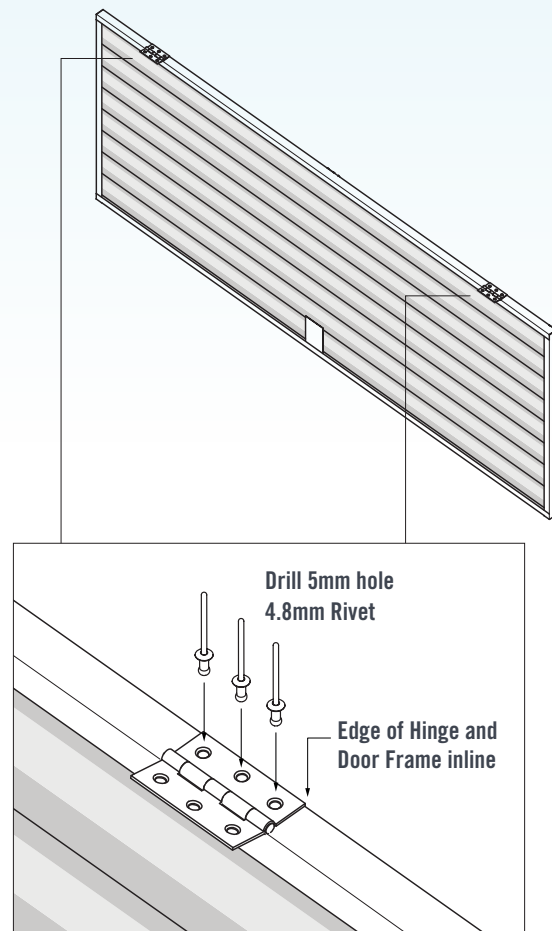Complete this process for the remaining hinge at the opposite end of the Door.

Drill 5mm hole 4.8mm Rivet

Edge of Hinge and Door Frame inline

FIGURE 5.7

DOOR FITMENT

Note: the door can open from the middle or end of the shed depending on preference. If installing the Door to open from the opposite side, fit the hinges and padbolt on the opposite side Door Jambs to that shown.

Hang the door in place, ensuring a 5mm gap between the bottom of the Door and the Door Shroud. Mark a line onto the Door Jambs at the locations of the two Door Hinges and Door Mount Bracket.
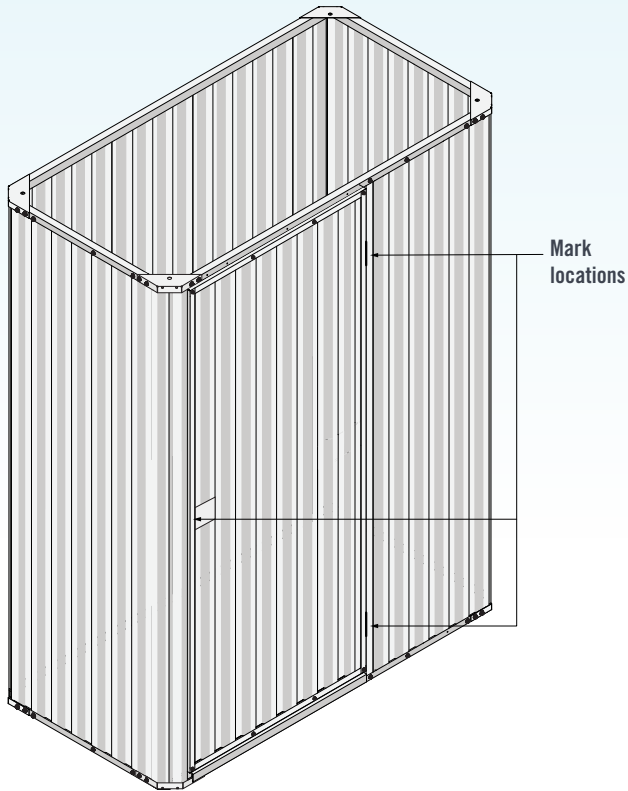
Using the marks from the previous step as a guide, position a Door Jamb Bracket in place. The Door Jamb can be rotated to fit the Door Jamb Bracket inbetween the Wall Sheet and Door Jamb. Drill two 3.5mm holes through the Wall Sheet and into the Door Jamb Bracket. Fasten two 3.2mm Rivets through the Wall Sheet and into the Door Jamb Bracket. Install the remaining two Door Jamb Brackets in the same manner.

Mark locations

FIGURE 6.0

Top view
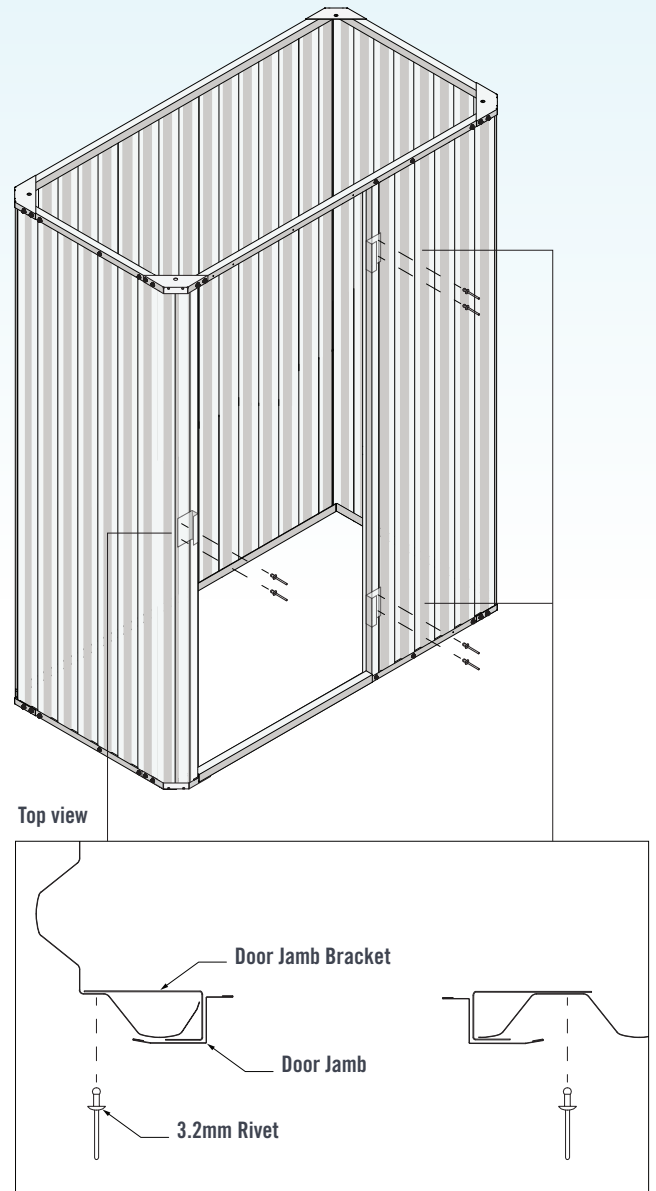
Door Jamb Bracket

Door Jamb

3.2mm Rivet

FIGURE 6.1

Hang the door in place, ensuring a 5mm gap between the bottom of the Door and the Door Shroud. Using the Hinge holes as a guide, drill one 5mm hole into the Door Jamb and install a 4.8mm Rivet for both Hinges.

Close the Door to confirm the correct Door fitment. If the gap between the Door and Door Shroud/ top Wall Channel is not straight, this can be corrected.

If the Door is not straight, remove the 10x16 Hex-Head Screw from the top of the Door Jamb. The Door can then be aligned to the correct position and the 10x16 Hex-Head Screw reinstalled.

Drill 5mm holes through the remaining four Hinge holes and into the Door Jamb. Install four 4.8mm Rivets.
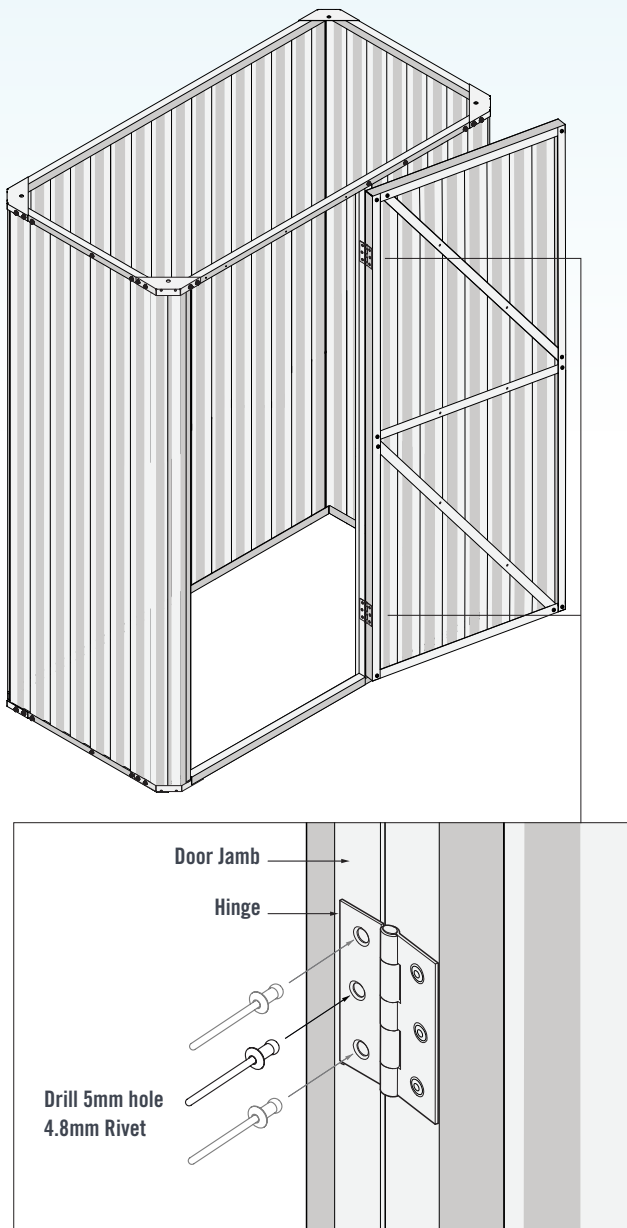
Position the left Door Jamb to achieve a 5mm gap between the Door Jamb and Door Frame. Fasten a 10x16 Hex-Head Screw through the Corner Bracket and into the Door Jamb at both ends.

Fasten three 10x16 Hex-Head Screws through the Door Shroud and into the Wall Channel.

A 3.2mm Rivet should be installed at the middle point of all Sheet laps. Sheet laps are located at three corners and the centre of the rear wall.
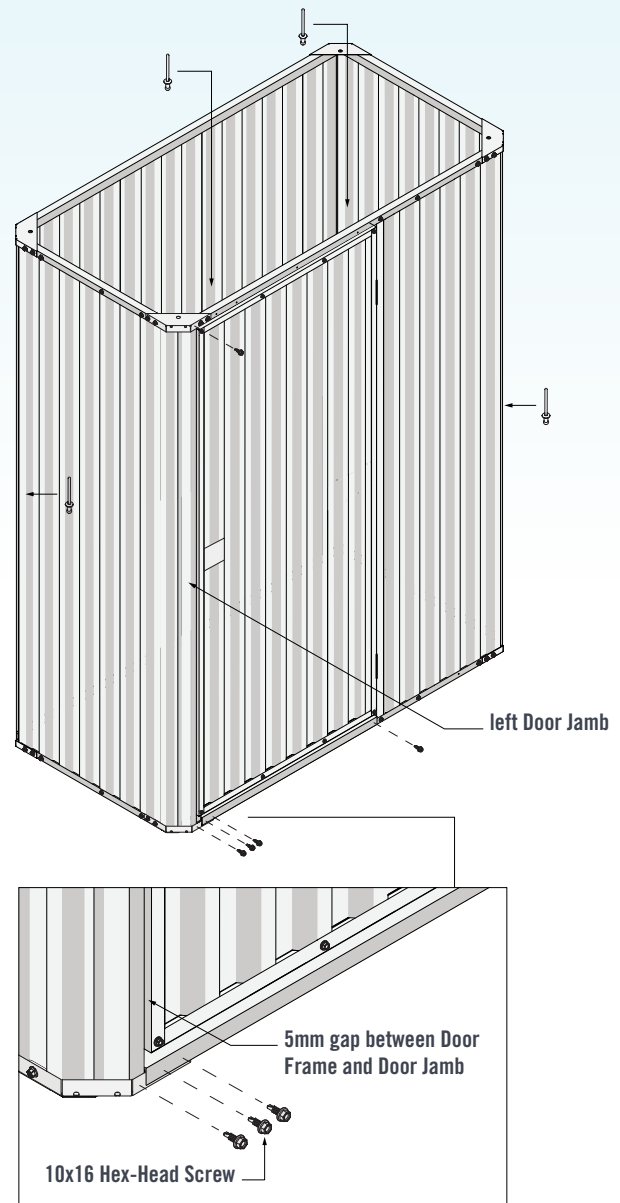

left Door Jamb

FIGURE 6.2

Door Jamb

Hinge

Drill 5mm hole
4.8mm Rivet

5mm gap between Door Frame and Door Jamb

10x16 Hex-Head Screw

FIGURE 6.3

Install the Padbolt to the Mount Plate using four 10x16 Wafer-Head Screws. Ensure the Padbolt body sits flush to the Door edge. Fasten the Padbolt Latch to the Door Jamb using two 10x16 Wafer-Head Screws.
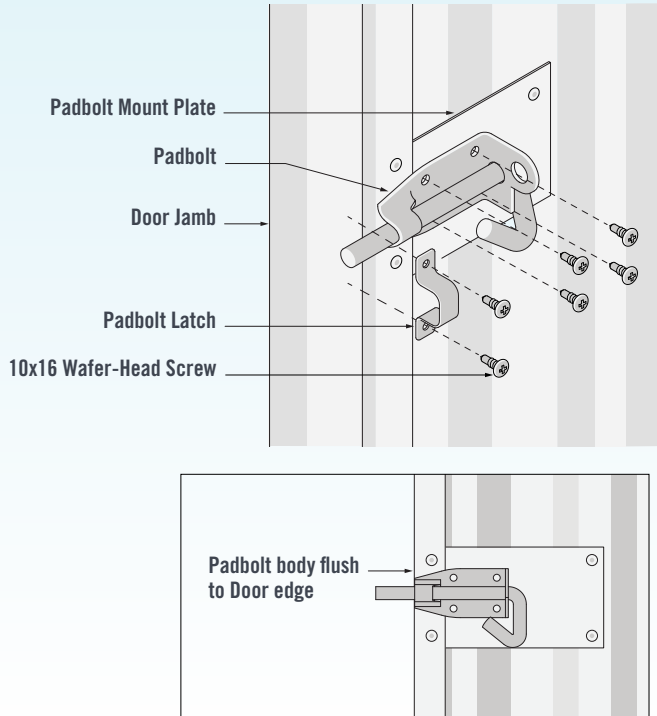
Padbolt Mount Plate
Padbolt
Door Jamb
Padbolt Latch
10x16 Wafer-Head Screw

Padbolt body flush to Door edge

FIGURE 6.4

ROOF ASSEMBLY

Lay the roof sheet atop the wall channels, with the Sheet crests facing upwards. Ensure the Sheet ends overhang the Short Walls evenly. Fix the Roof Sheet to the Short Wall Channels using 10x16 Hex-Head Screws With Washers through every second pan of the Roof Sheet.

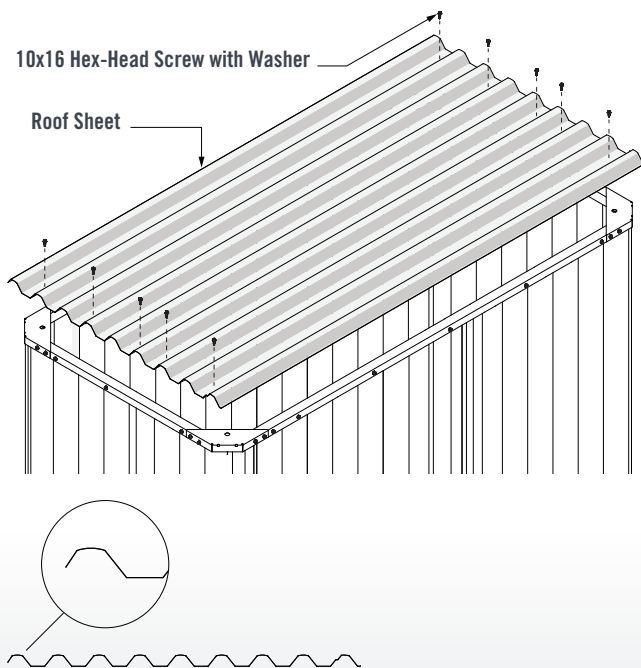10x16 Hex-Head Screw with Washer
Roof Sheet

FIGURE 7.0

Fit a Flashing (Left & Right) and a Flashing (Front & Rear) onto the Roof Sheet. Drill a 3.5mm hole and fasten a 3.2mm Rivet through the Flashings.
Fit the remaining Flashings and fasten Rivets in the remaining three corners.

Flashing (Front & Rear)
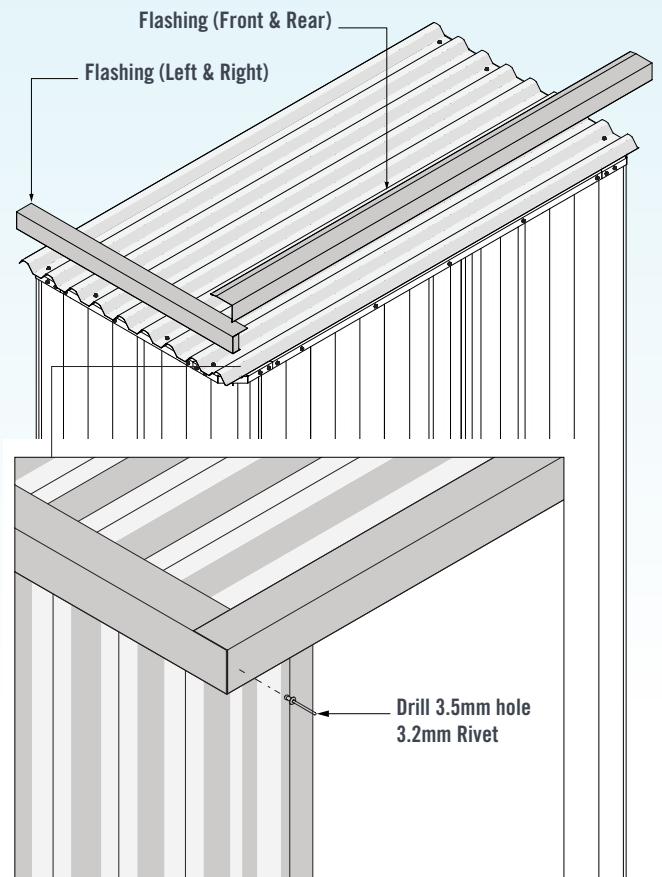Flashing (Left & Right)

Drill 3.5mm hole
3.2mm Rivet

FIGURE 7.1

Fasten 10x16 Hex-Head Screws with Washers through the Flashings and into the Roof Sheet. Ensure five Screws are fastened through each Flashing.
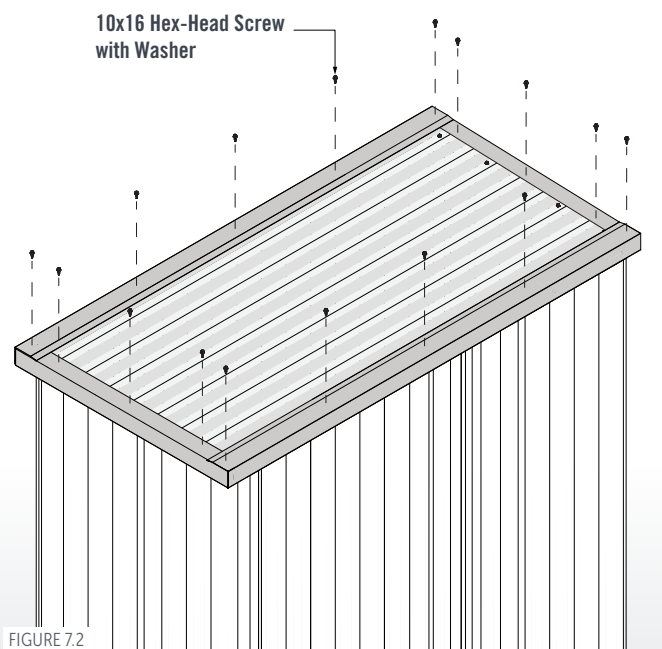
10x16 Hex-Head Screw with Washer

FIGURE 7.2

SECURING THE SHED

The installer is responsible for ensuring the concrete slab or pads are sufficient to support the shed and sustain wind loading. Do not anchor the Handi-Saver shed to pavers.

Check the walls are square. The diagonal measurements from corner to corner will be equal lengths when the walls are square.
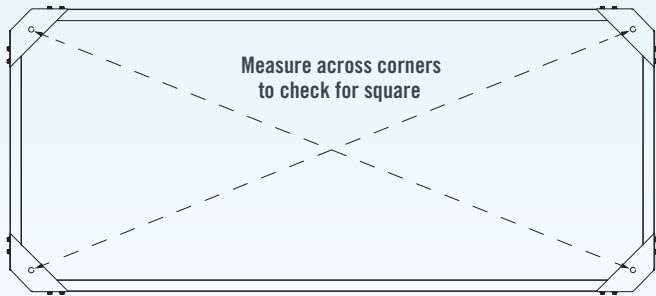

Measure across corners to check for square

FIGURE 8.0

Secure the shed to the concrete base using an M8 Masonry Anchor in all four Corner Brackets.
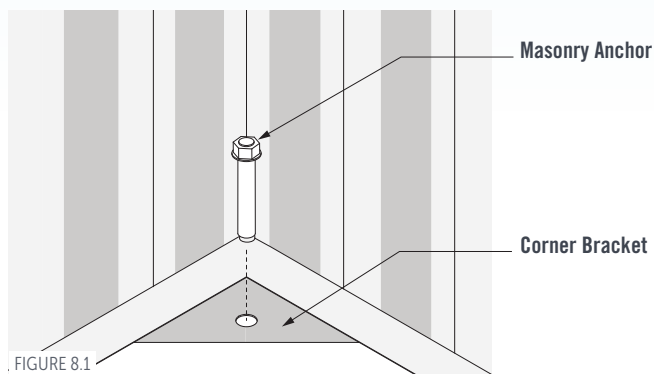

Masonry Anchor

Corner Bracket

FIGURE 8.1

Your Handi-Saver shed is now complete. Maintain your Handi-Saver Shed by rinsing with water and removing any dirt build up.
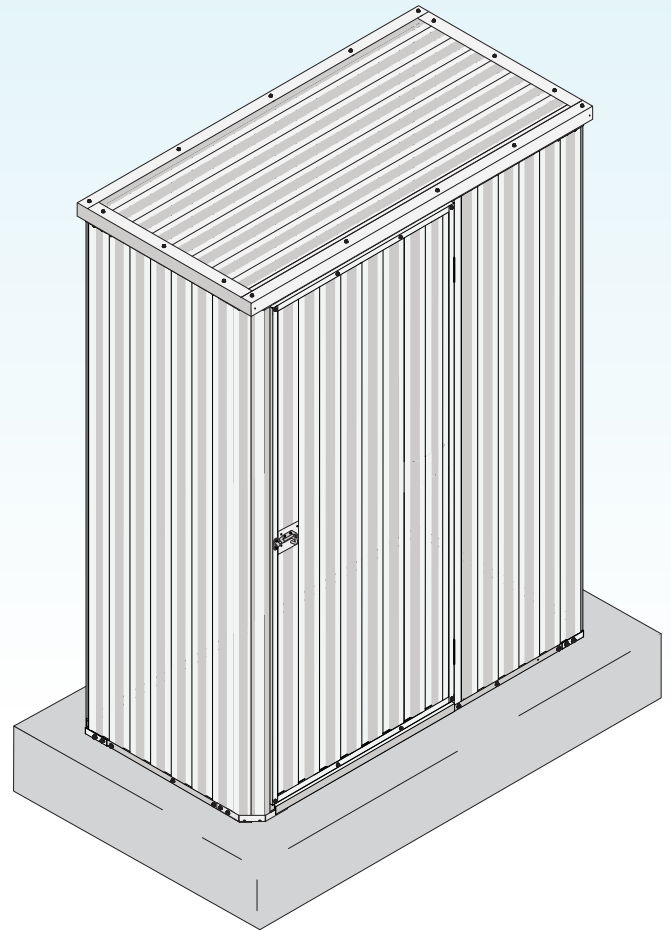

FIGURE 8.2

How To.

STRATCO