HANDI-MATE™ SHED

SLIDING DOOR HANDI-MATE™ INSTALLATION GUIDE

BEFORE YOU START

PRIOR TO INSTALLATION

It is important that you contact your local government authority to determine if building approval is required.

To ensure that the installation and erection of your Stratco Handi-Mate™ Shed proceeds smoothly you should confirm that all the components and materials listed on the delivery documentation and in this installation guide have been supplied. Details for ordering individual components can be found in the "Component Index" section at the end of this document.

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.

All Stratco Handi-Mate™ Sheds must be securely bolted to a permanent concrete base with sufficient masonry anchors securing all four corners of the Handi-Mate™ shed to prevent wind uplift.

SHED WINDOWS (OPTIONAL)

Stratco Shed Windows are avaliable as an optional add-on, avaliable in both Louvre and Sliding variations. Refer to the "Window Installation" section if installing a Stratco Window, or visit your local Stratco store for more information.

FLOORING PREPARATION

The installer is responsible for ensuring the slab or concrete pads are sufficient to support the shed and sustain wind loading.
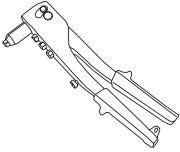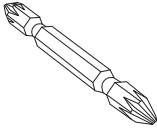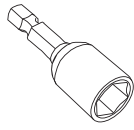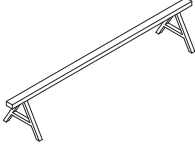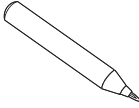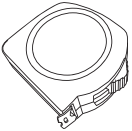
Do not directly anchor your shed to pavers.
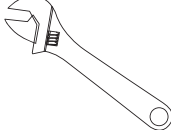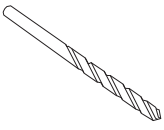
Option 1 - Before building the shed, pour a base that is larger than the area by at least 200mm in each direction. The base should be poured so the concrete outside the shed floor area slopes away from the shed to help prevent water from entering the shed.

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.
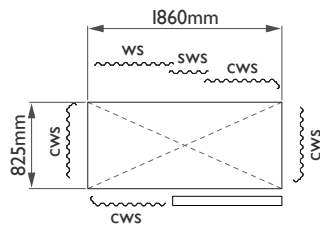
IMPORTANT NOTES:

1. It is essential to clear and level the site prior to assembling your Stratco Handi-Mate™ Shed.
2. Note there are different types and colours of screws. Ensure that the right type and colour screw is being used at each location.
3. Stability and performance of the shed relies on the door being closed during high wind events.
4. Do not traverse the roof of the Handi-Mate™.
5. Use heavy gloves when handling steel sheeting and flashings and never attempt to install a shed in windy conditions.
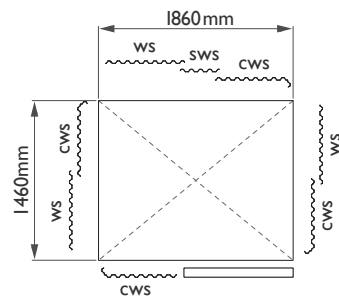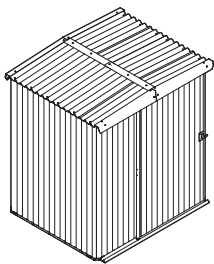
TOOLS REQUIRED

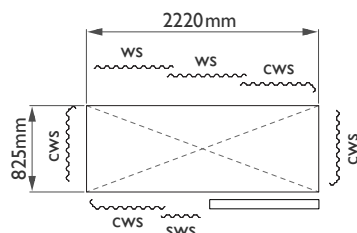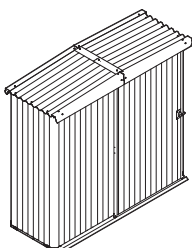|					
Rivet Gun	Power Drill	Phillips Head Driver	Hex Head Driver	Adjustable Spanner	3.5mm & 12mm Drill Bit 10mm Masonry Bit
Gloves	Safety Glasses	Step Ladder	2 x Trestle / Saw-horse	Permanent Marker	Tape Measure

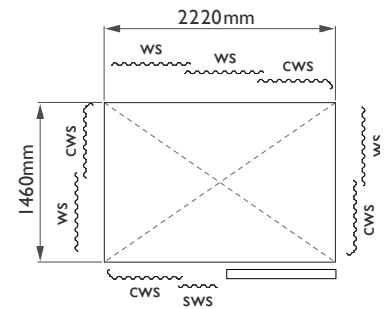# HANDI-MATE™ MODEL SIZES

Handi-Mate™ 1

1860mm
825mm
WS SWS CWS
CWS
CWS
CWS

Handi-Mate™ 2

1860mm
1460mm
WS SWS CWS
CWS
WS
CWS
WS
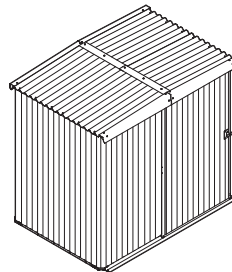CWS

Handi-Mate™ 3

2220mm
825mm
WS WS CWS
CWS
CWS
CWS SWS

Refer to the following figures for wall sheeting configurations.

Corner Wall Sheet - CWS
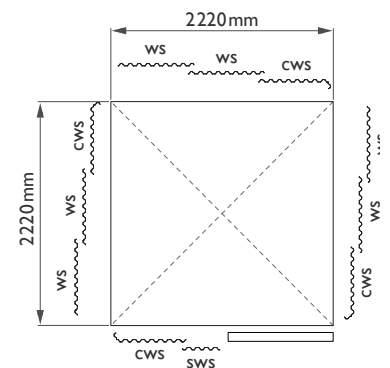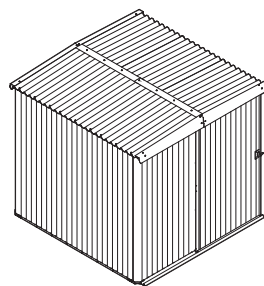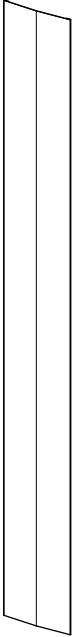Split Wall Sheet - SWS
Wall Sheet - WS

Handi-Mate™ 4

2220mm
1460mm
WS WS CWS
CWS
WS
WS
CWS
CWS SWS

Handi-Mate™ 5

2220mm
2220mm
WS WS CWS
CWS
WS
WS
WS
CWS
CWS SWS

Figure 1.0

2
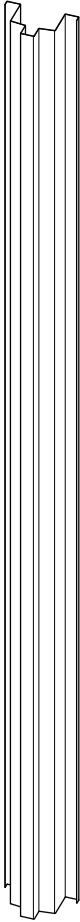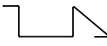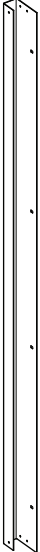
COMPONENTS

Ridge Cap	Ridge Beam	Barge Support	Sliding Rail	Bottom Channel	Runner Rail	Wall Channel

L/H Barge Cap	R/H Barge Cap	Top Door Channel	Bottom Door Channel	Door Shroud	Vertical Door Channel	Door Jamb

Figure 1.1

3

COMPONENTS
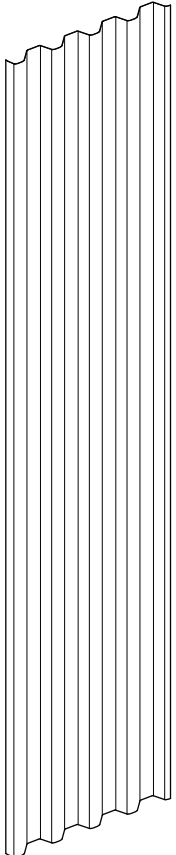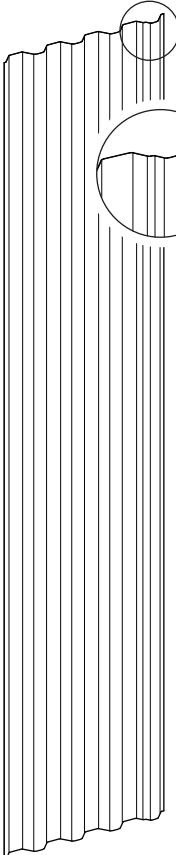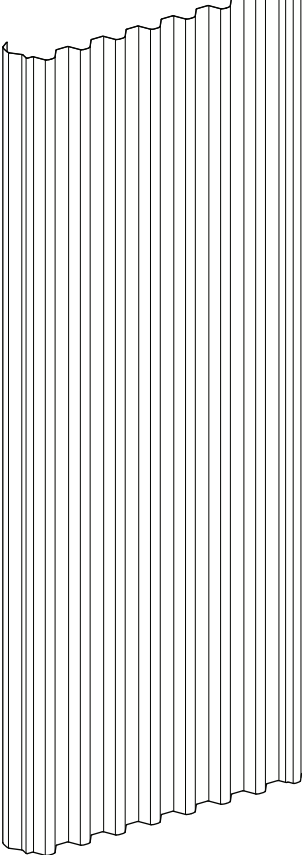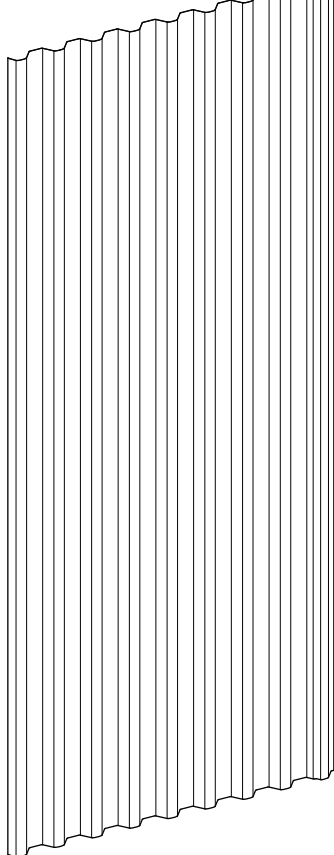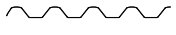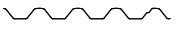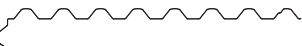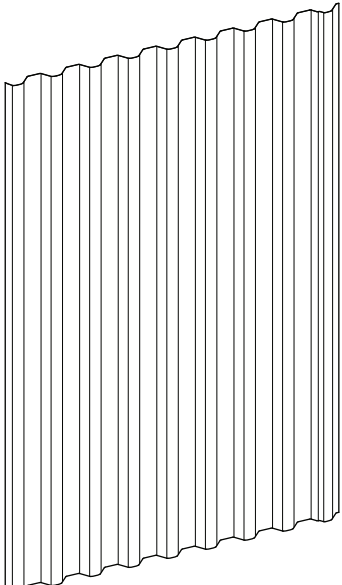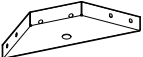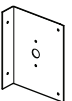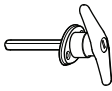
Split Wall Sheet	Split Door Sheet	Corner Wall Sheet	Wall Sheet

Door Wheel	Door Nut	Door Stop	Corner Bracket	Handle Mount
Door Handle	Door Tongue	Door Latch	Hold Down Lug	M8x47 Masonry Anchor
10x16 Wafer-Head Screw	10x22 Wafer-Head Screw	10x25 Self-Drilling Coloured Screw (with neo washer)	10x16 Self-Drilling Screw (with neo washer)	10x16 Self-Drilling Screw

Roof Sheet	Coloured Rivet	Aluminium Rivet

Figure 1.2

4

WALL ASSEMBLY

Note: All Handi-Mate™ walls are assembled in the same manner. Refer to "Handi-Mate™ Model Sizes" section for specific wall sheeting quantities & configurations.

Handi-Mate Window Assembly
Stratco Shed Windows are avaliable as an optional add-on. Refer to the "Window Installation" section at the end of this document if installing a Stratco Window, or visit a Stratco store for more information.

Wall Channel

10x16 self-drilling screw

Corner Wall Sheet

Split Wall Sheet

Wall Channel
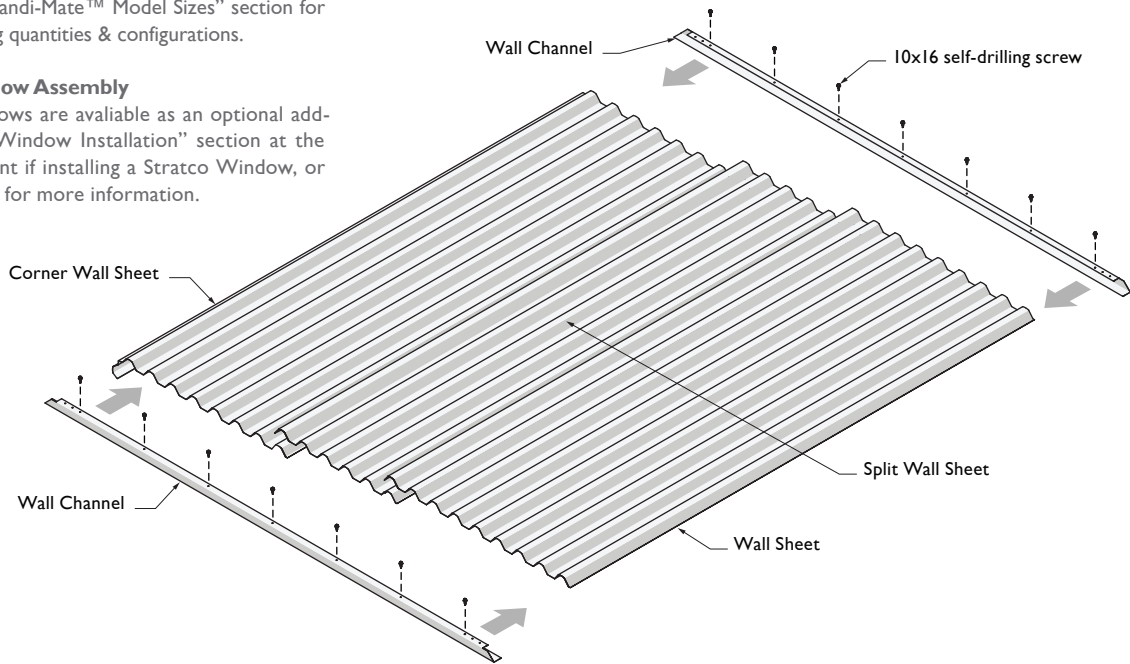
Wall Sheet

Figure 1.3

When assembling the Wall and Door Sheets, lay the sheets down on trestles/blocks (Figure 1.4). This will make assembly easier and reduce the risk of damage to components.

Trestles / Blocks
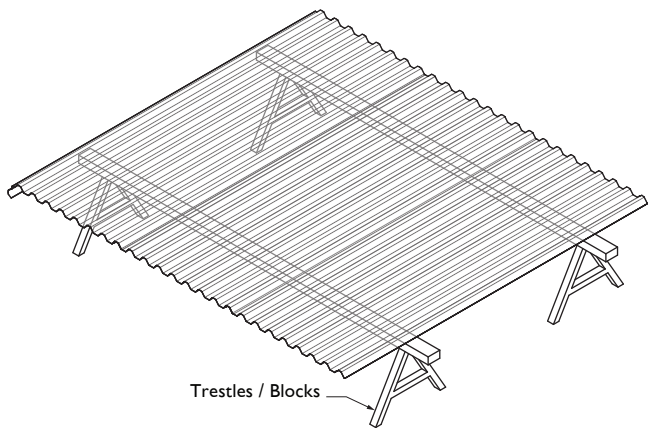
Figure 1.4

Place the Corner Wall Sheet down first. Lay the next Wall Sheet overlapping the Corner Wall Sheet (Figure 1.5). Subsequent Wall Sheets can be overlapped in the same manner. Refer to "Handi-Mate™ Model Sizes" section for specific wall sheet configurations.

Corner Wall Sheet

All underlap sheets can be identified as having a stepped ridge.
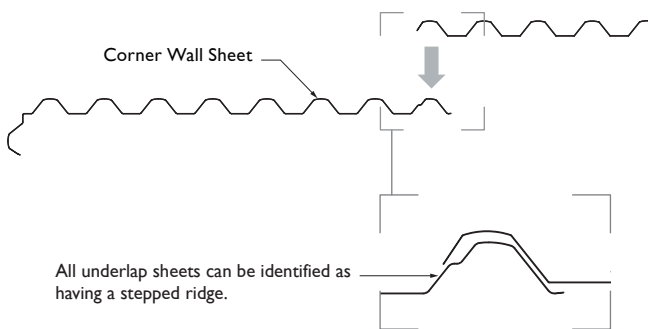
Figure 1.5

Once all Wall Sheets are lapped the Wall Channels can be fitted. Fit the Wall Channel over the lapped Wall Sheets. The end of the Wall Channel should fit up against the end of the Corner Wall Sheet (Figure 1.6).

End View
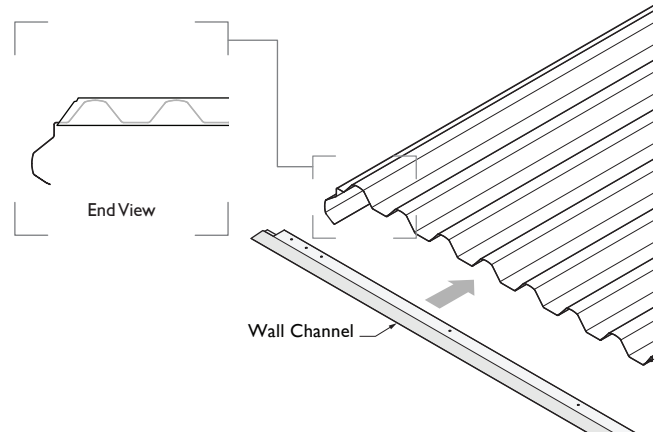
Wall Channel

Figure 1.6

Ensure pre-made pilot holes in the Wall Channel line up in the centre of the Wall Sheet crests (Figure 1.7). Pulling the Wall Sheet into place may be required to achieve this.
Note: Ignore the final two holes at the ends of the Wall Channels.

Ignore   Pilot hole   Wall Channel
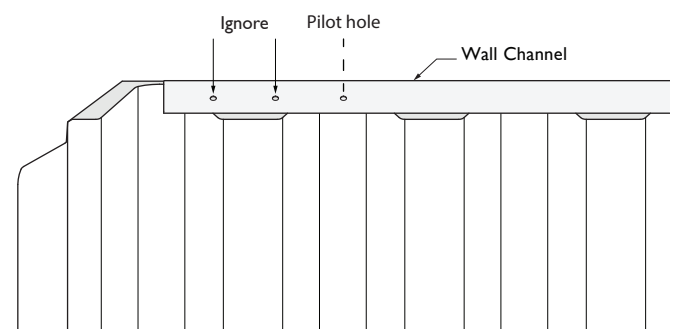
Figure 1.7

Fasten the top and bottom Wall Channels to the Wall Sheets using 10x16 self-drilling screws through each pilot hole, ignoring the two holes at each end (Figure 1.8).

10x16 self-drilling screw

Wall Channel
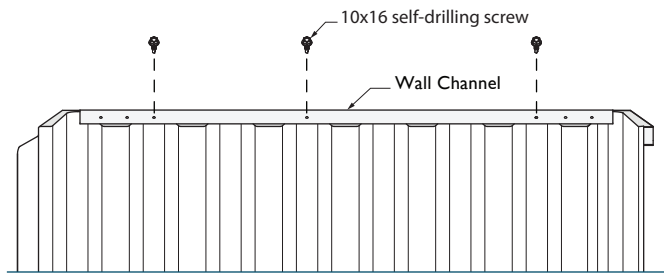
Figure 1.8

Join any overlapping sheets to one another using coloured rivets through the mid-span of lapping crests (Figure 1.9).

Drill a hole with the Ø3.5mm drill bit into the centre of the lapping crests. Use a Rivet Gun to rivet the sheets together.

Coloured Rivet
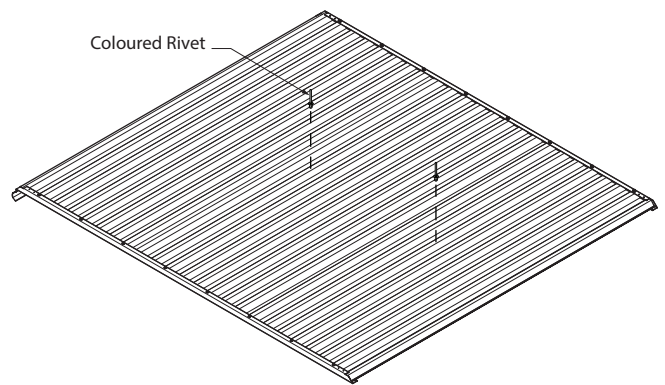
Figure 1.9

Repeat this process to assemble the remaining walls. A left wall, right wall and rear wall should be assembled before continuing.

FRONT WALL ASSEMBLY

Note: All Handi-Mate™ front walls are assembled in the same manner. Refer to "Handi-Mate™ Model Sizes" section for specific front wall sheeting quantities & configurations.

Corner Wall Sheet

10x16 self-drilling screw

Sliding Rail

Door Jamb

Top

Split Wall Sheet

Door Jamb
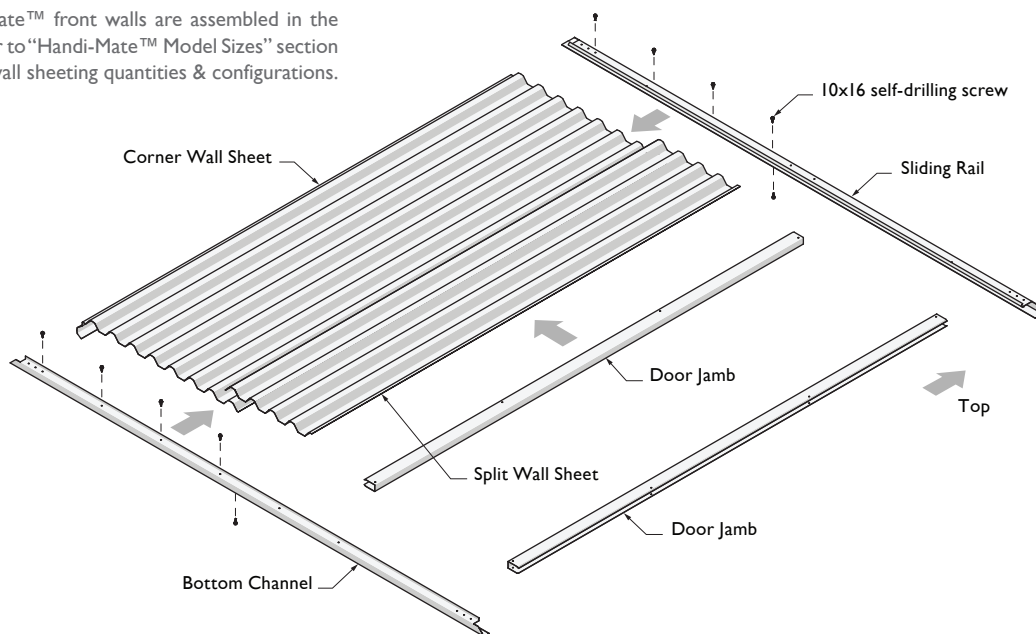
Bottom Channel

Figure 2.0

Lay out sheets onto trestles/blocks. Refer to figure 1.5 for lapping details. Fit the Bottom Channel and Sliding Rail over the Wall Sheets (Figure 2.1). The end of the Channels should fit up against the ends of the Corner Wall Sheet (Refer Figure 1.6).

Sliding Rail

Bottom Channel

Sheet Layout
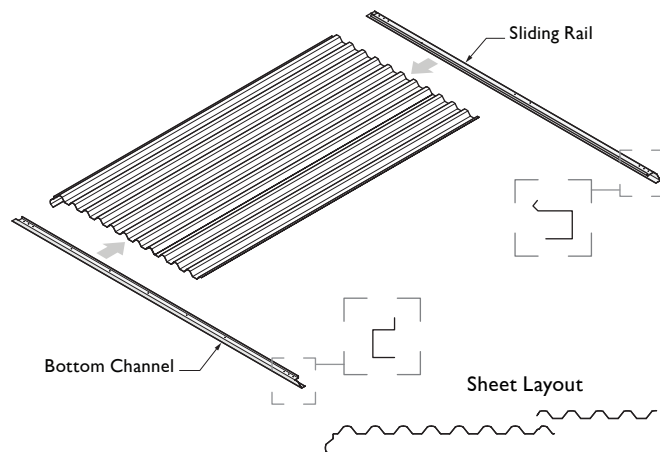
Figure 2.1

Fasten one 10x16 self-drilling screw through the third pilot hole of the Bottom Channel and into the corresponding Wall Sheet crest (Figure 2.2). Fasten another 10x16 self-drilling screw through the third pilot hole of the Sliding Rail and into the Wall Sheet.

10x16 self-drilling screw
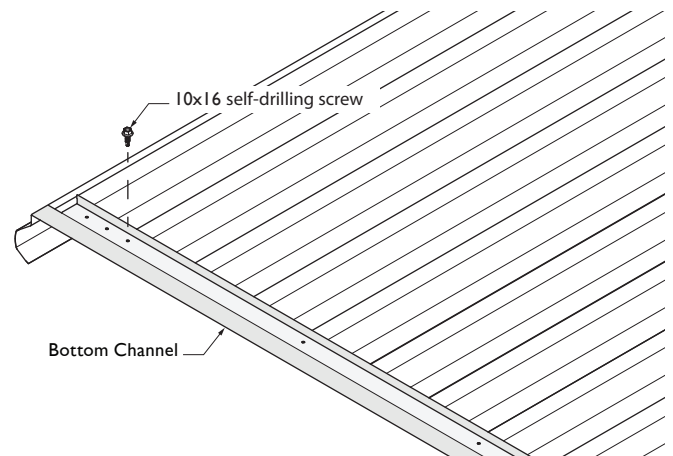
Bottom Channel

Figure 2.2

Fit the Door Jamb over the Wall Sheet, ensuring it is inside the Bottom Channel and Sliding Rail (Figure 2.3).
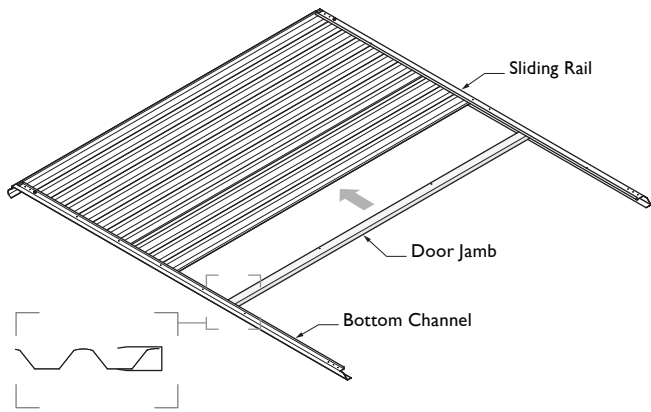
Figure 2.3

Crest-Fix the Bottom Channel & Sliding Rail to the wall sheets using three 10x16 self-drilling screws through the pilot holes in each (Figure 2.4). Ensure all sheets are crest-fixed.
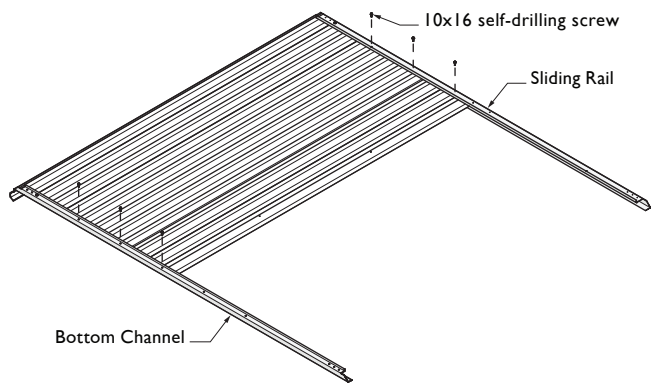
Figure 2.4

Fasten one 10x16 self-drilling screw through the underside of the Bottom Channel & Sliding Rail and into the Door Jamb (Figure 2.5).
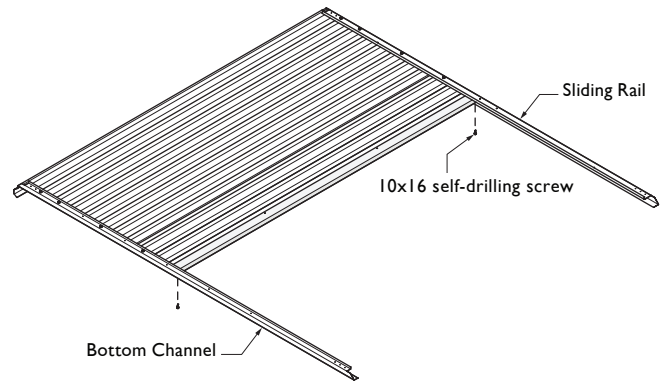
Figure 2.5

Slide the other Door Jamb approximately 150mm into the Bottom Channel and Sliding Rail. Ensure the open end of the Door Jamb is facing away from the sheets (Figure 2.6). A coloured rivet should be used to join sheet overlaps together (Refer Figure 1.9).
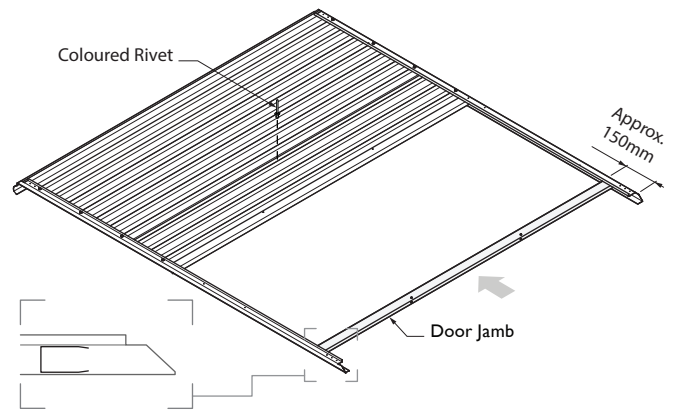
Figure 2.6

DOOR ASSEMBLY

Note: All Handi-Mate™ doors are assembled in the same manner.
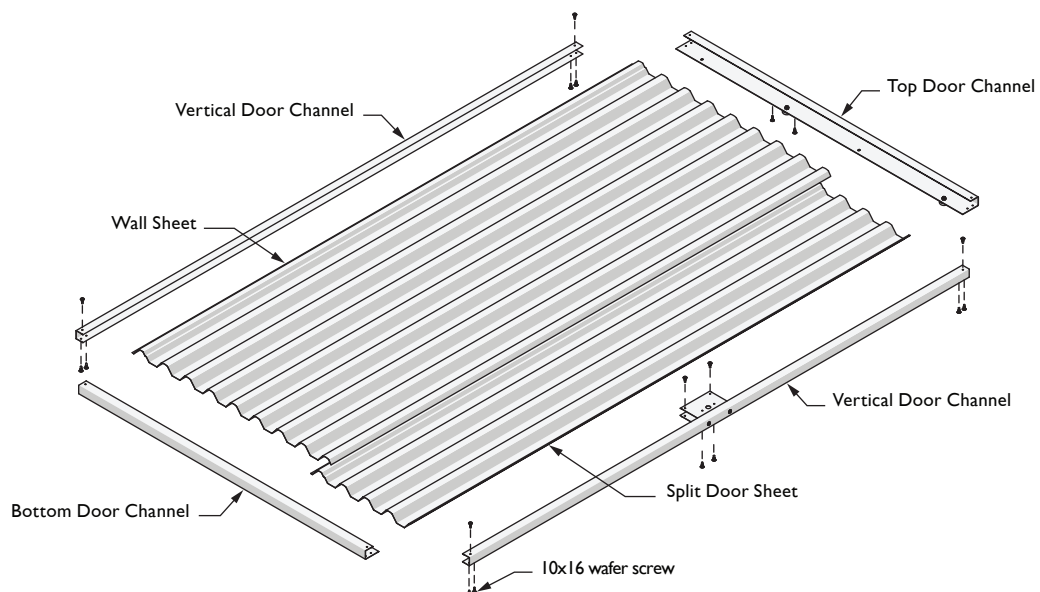
Figure 3.0

Fix the Door Wheels to the Top Door Channel using Door Nuts (Figure 3.1).

Door Nut

Top Door Channel

Door Wheel
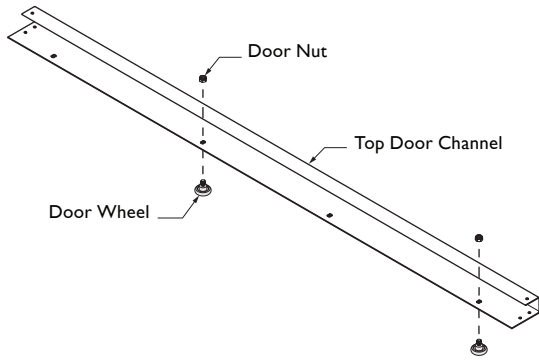
Figure 3.1

Fit the two Handle Mounts into the Vertical Door Channel (Figure 3.2). The two Handle Mounts are the same component, so can be installed in either order.

Handle Mounts

Vertical Door Channel
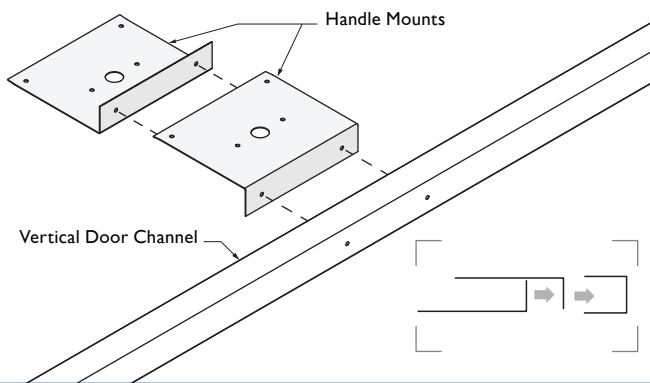
Figure 3.2

Fasten the Handle Mounts through the pilot holes in the Vertical Door Channel with two 10x16 wafer screws (Figure 3.3).

10x16 wafer screws
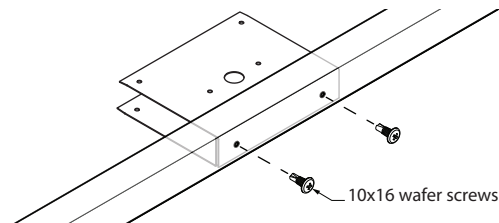
Figure 3.3

Lay out sheets onto trestles/ blocks. Refer to figure 1.5 for lapping details. Fit the Vertical Door Channels over the side of the door sheets, then fit the Top and Bottom Door Channels over the door sheet ends.

Top Door Channel

Vertical Door Channel

Wall Sheet

Split Door Sheet

Bottom Door Channel

Sheet Layout
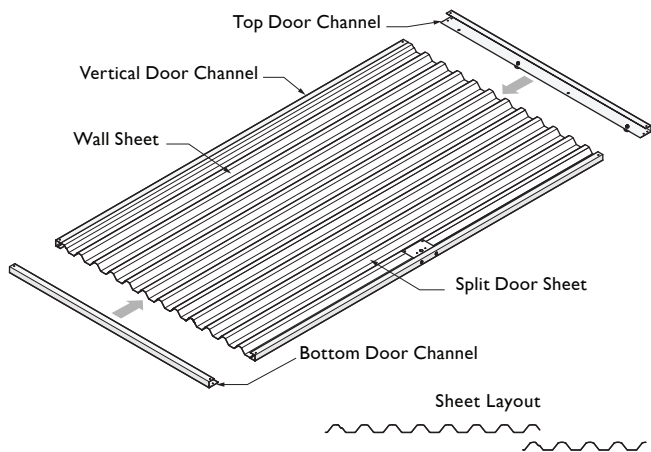
Figure 3.4

Ensure the lip of the Top and Bottom Door Channels fit over the Vertical Door Channels (Figure 3.5).

Top / Bottom Door Channel

Vertical Door Channel
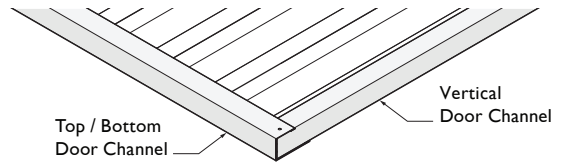
Figure 3.5

Fasten one 10x16 wafer screw through the pilot holes in the corner of each Top & Bottom Channel (Figure 3.6).

10x16 wafer screws

Figure 3.6

Ensure the door is square. Check the diagonal measurements from corner to corner of the door (dashed lines, Figure 3.7). The diagonal measurements should be equal for the door to be square.

Figure 3.7

Set the door in the square position by fastening two 10x16 wafer screws through the pilot holes on the underside of each corner. (Figure 3.8).
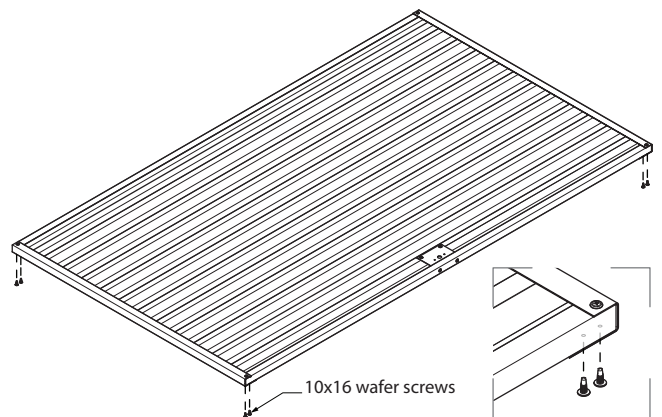
10x16 wafer screws

Figure 3.8

Crest-fix 10x16 wafer screws through the Top Door Channel and into the ridges either side of the Door Roller (Figure 3.9).
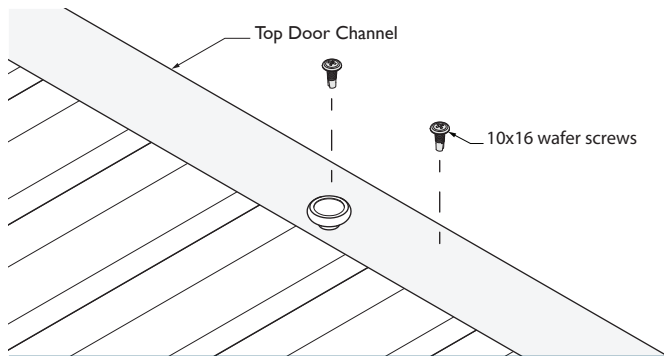
Figure 3.9

Crest-fix two 10x16 wafer screws through the pilot holes in each side of the Handle Mounts (Figure 3.10).
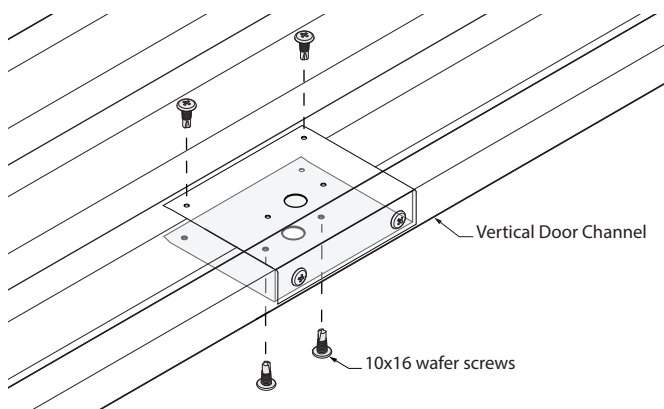
Figure 3.10

Using the pilot holes in the Handle Mounts as a guide, drill a Ø3.5mm pilot hole, then Ø12mm hole through the wall sheet (Figure 3.11).

Figure 3.11

A coloured rivet should be used to join sheet overlap together (Refer Figure 1.9).
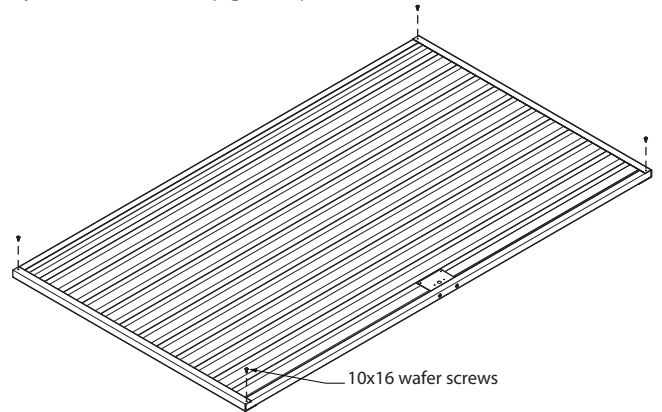

Figure 3.12

ERECTING WALL ASSEMBLIES

The wall assemblies can now be joined together.
Wall Assemblies should be erected and joined together in the order indicated by the numbered arrows below (Figure 4.0).

Figure 4.0

Fit the Corner of the Front Wall over the left side Wall Sheet (Figure 4.1).

Figure 4.1

Fit the Corner Bracket over the Top Wall Channels. Ensure the pilot holes of the Corner Bracket and Wall Channels line up (Figure 4.2).

Top Channel

Corner Bracket

Figure 4.2

Fasten through the Corner Bracket pilot holes and into the Top Channels using 10x16 self-drilling screws (Figure 4.3).

Top Channel

Corner Bracket

10x16 self-drilling screw

Figure 4.3

Fit the Remaining Wall Assemblies as per Figure 4.1 - 4.3.
The unfixed Door Jamb must be moved into position before fixing the Right Wall Assembly to the Front Wall Assembly.
Slide the Door Jamb over the corner of the Right Wall Sheet (Figure 4.4).

Sliding Rail

Door Jamb

Corner Wall Sheet
(Right Wall)
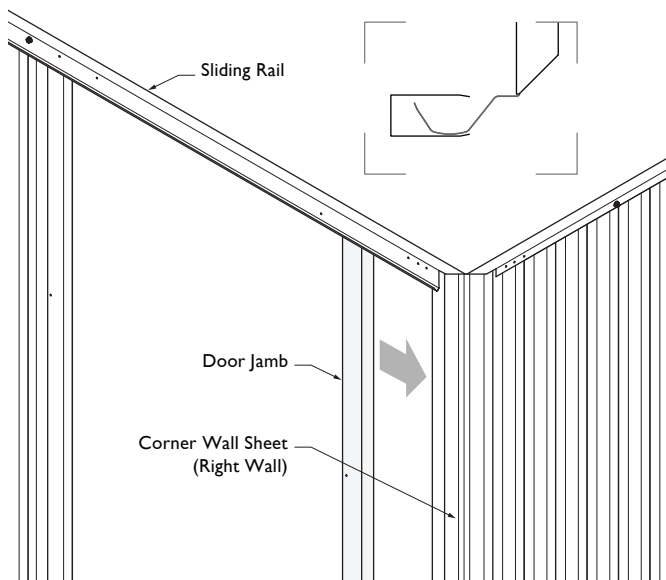
Figure 4.4

Use the Door Shroud as a guide to set the correct spacing between the Door Jambs. Fit the Corner Bracket as per Figure 4.2 - 4.3.

Door Shroud

Door Jambs

Figure 4.5

Fit the Bottom Corner Brackets of all four corners over the Bottom Wall Channels. Fasten through the Corner Bracket pilot holes and into the Door Channel using 10x16 self-drilling screws (Figure 4.6).

Corner Bracket

10x16 self-drilling screw

Figure 4.6

Fasten two 10x16 self-drilling screws through pilot holes in the Door Jamb and into the Corner Sheet (Figure 4.7).

Door Jamb

10x16 self-drilling screw

Figure 4.7

Fit the Barge Support over the Sliding Rail. Fasten 10x16 self-drilling screws through each pilot hole in the Barge Support and into the Sliding Rail (Figure 4.8).

Check the walls are square. Check the diagonal measurements from corner to corner (dashed lines, Figure 4.11). The diagonal measurements should be equal for the walls to be square.
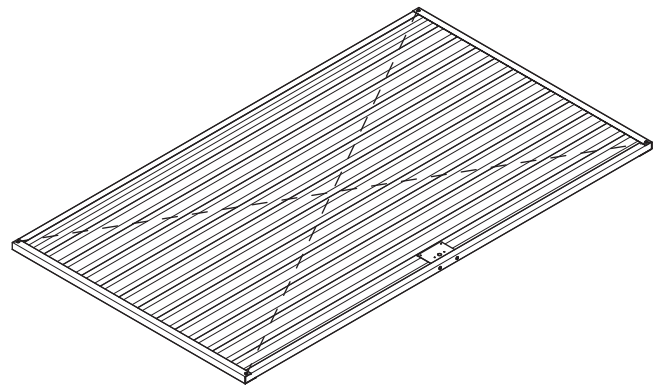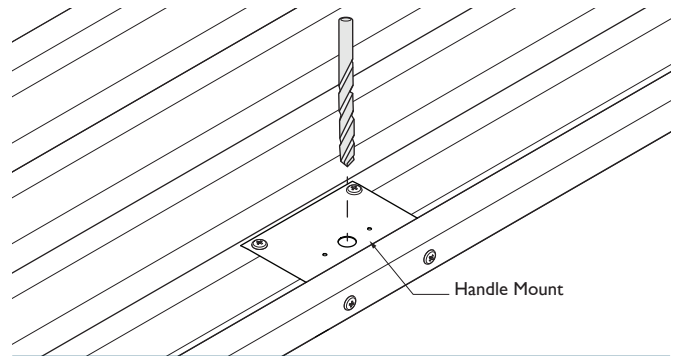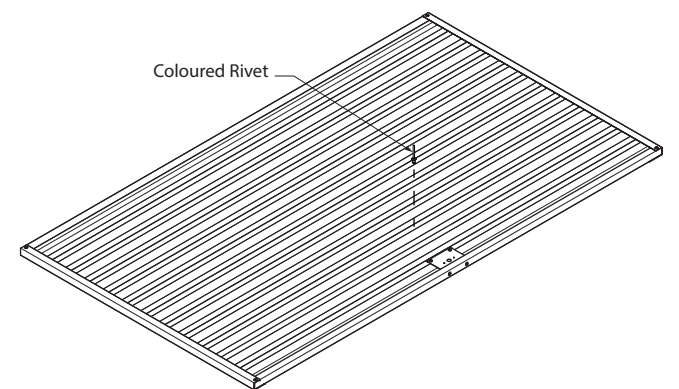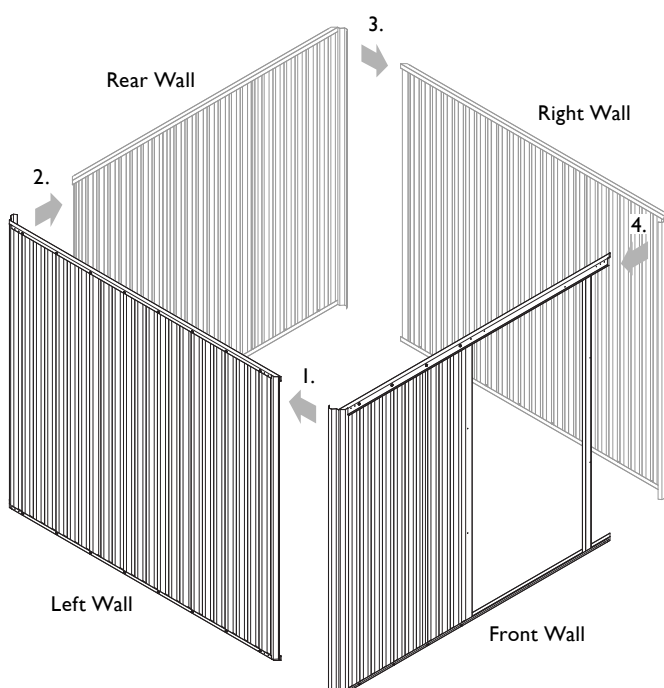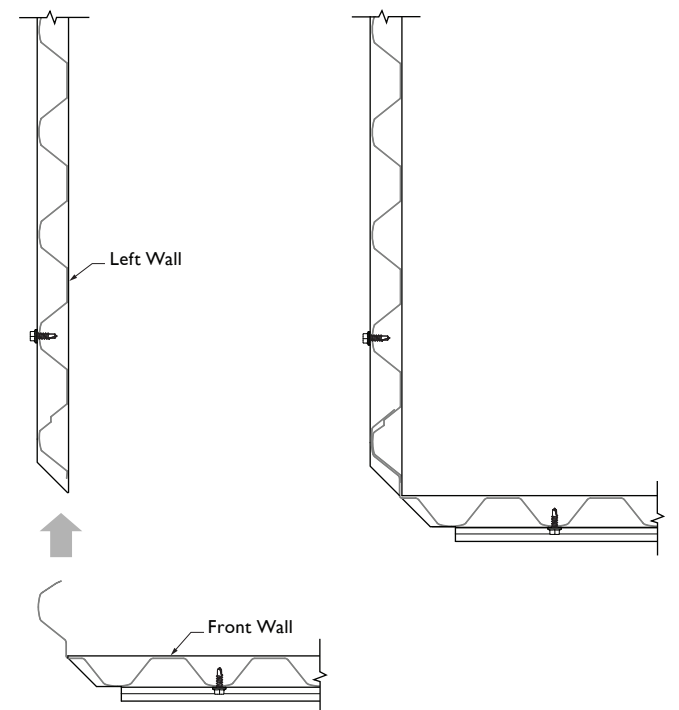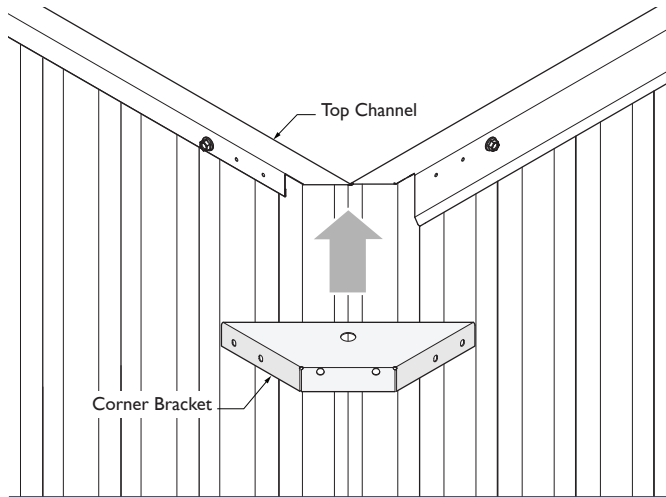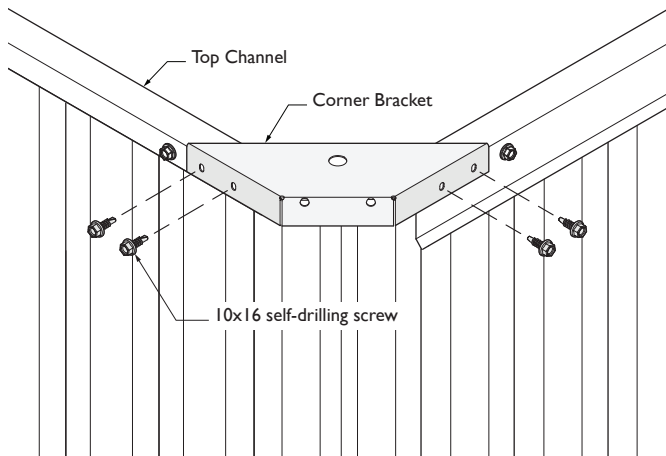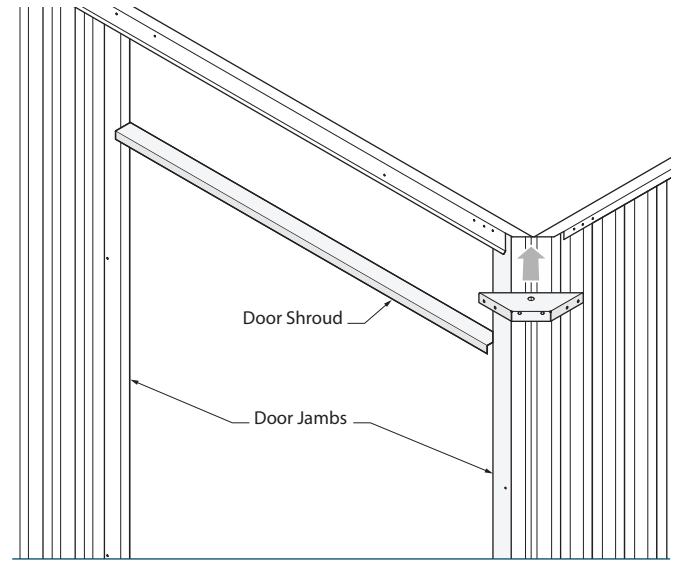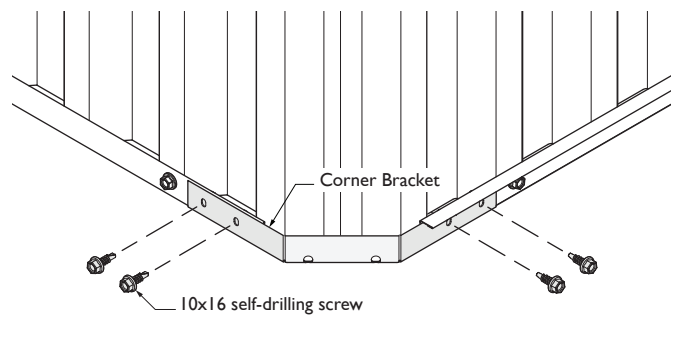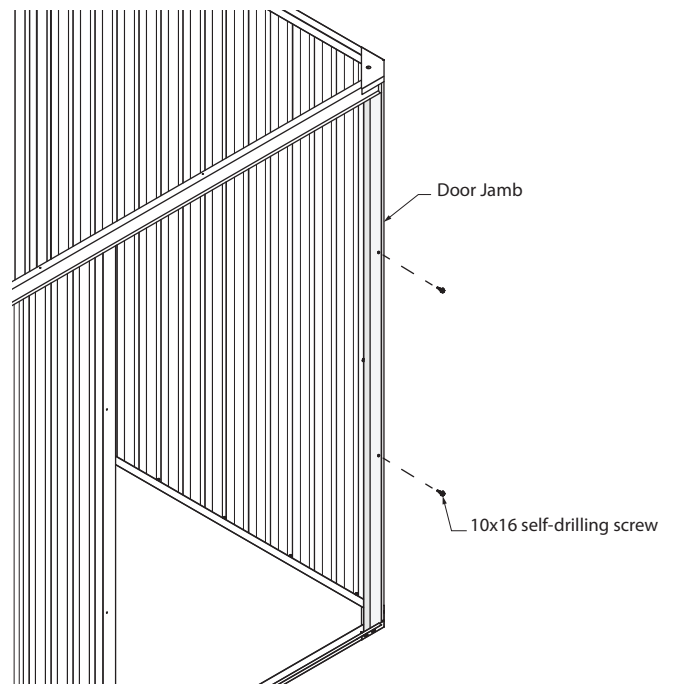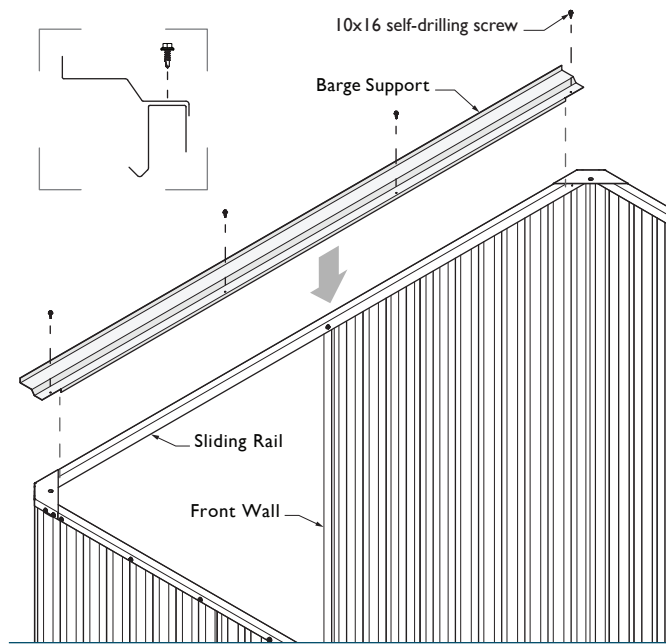

Figure 4.8

Fit the Runner Rail over the Bottom Channel (Figure4.9).

Figure 4.9

Figure 4.11

Using the Corner Bracket pilot holes as a guide, drill holes in all four corners with a 10mm masonry drill bit. Secure all four bottom Corner Brackets to the concrete base with M8x47 Masonry Anchors.
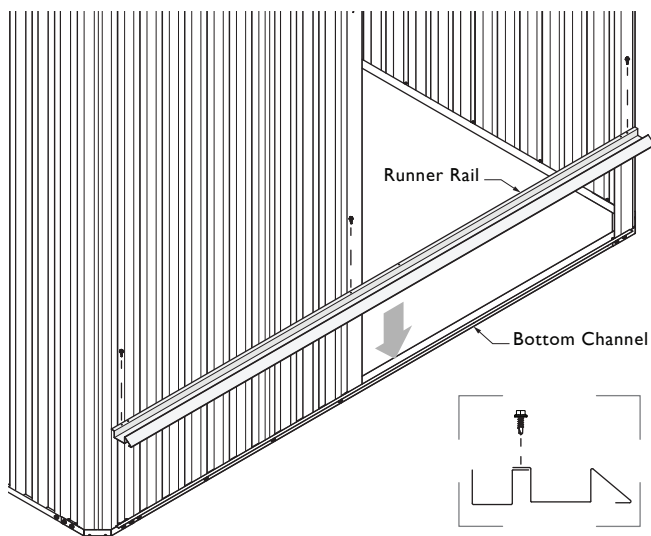

Figure 4.11

Ensure the end of the Runner Rail is in line with the edge of the Corner Bracket. Fasten three 10x16 self-drilling screws through pilot holes in the Runner Rail and into the Bottom Channel (Figure 4.10).
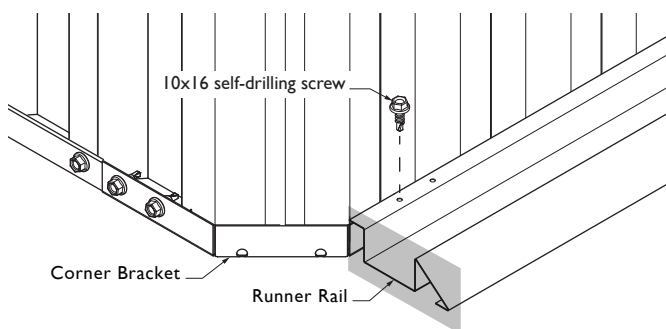
Fasten one 10x16 self-drilling screw through each Hold Down Lug into the Bottom Channel and Wall Sheet. Fix Hold Down Lugs to the concrete base with M8x47 Masonry Anchors. Refer to Figure 4.13 for Hold Down Lug spacings.

Figure 4.10

Figure 4.12

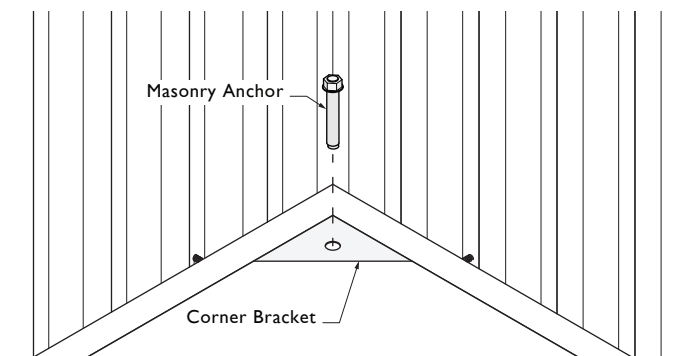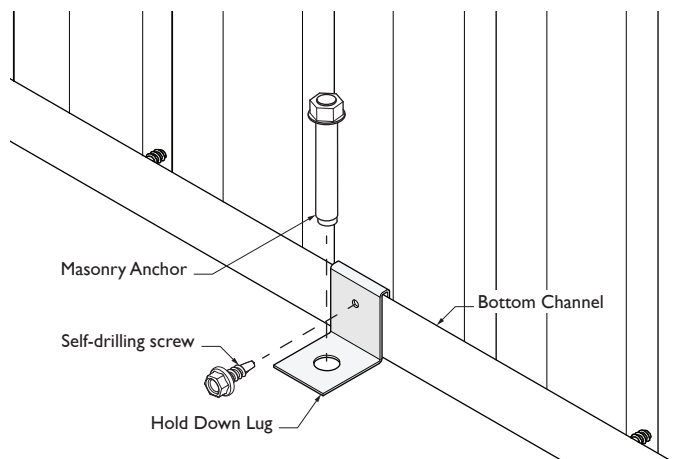The maximum spacing allowed between anchor points is determined by the wind classification assigned to the location of your Handi-Mate. If required, refer to your local council for advice on the wind classification of your location.

N1 / N2 wind classifications = 1400mm maximum distance between anchor points.

N3 wind classifications = 900mm maximum distance between anchor points.
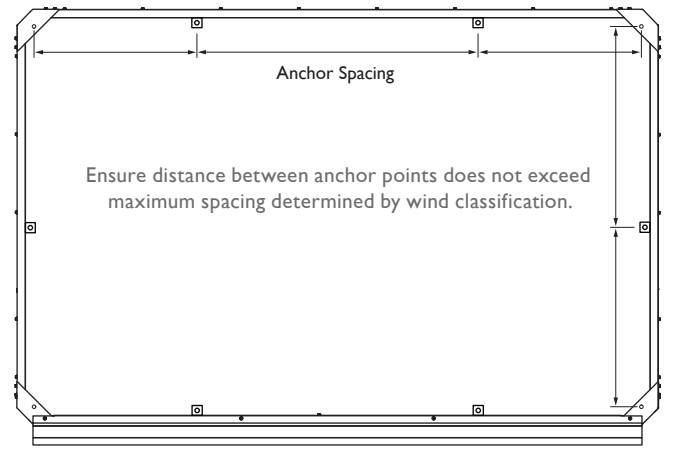

Anchor Spacing

Ensure distance between anchor points does not exceed maximum spacing determined by wind classification.

Figure 4.13

ROOF ASSEMBLY

Note: All Handi-Mate™ roofs are assembled in the same manner.

Ridge Cap
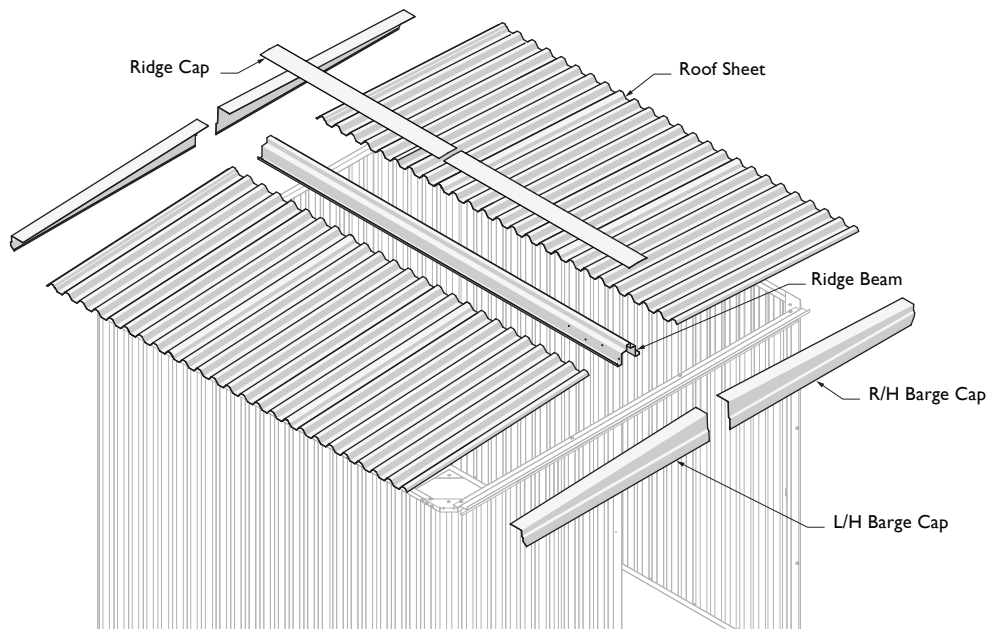
Roof Sheet

Ridge Beam

R/H Barge Cap

L/H Barge Cap

Figure 5.0

Find the centre point of the shed by halving its overall width. Align the centre of the Ridge Beam along this point (Figure 5.1).

Ridge Beam

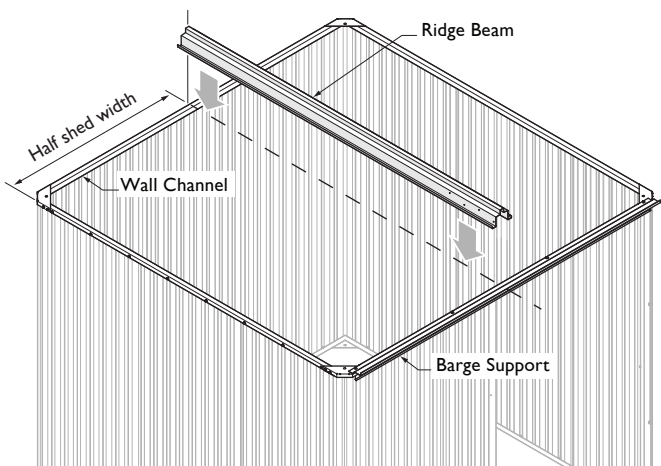Half shed width

Wall Channel

Barge Support

Figure 5.1

Align the end of the Ridge Beam with the step of the Barge Support. Fasten the Ridge Beam to the Barge Supports using two 10x16 self-drilling screws through pilot holes in both ends (Figure 5.2).
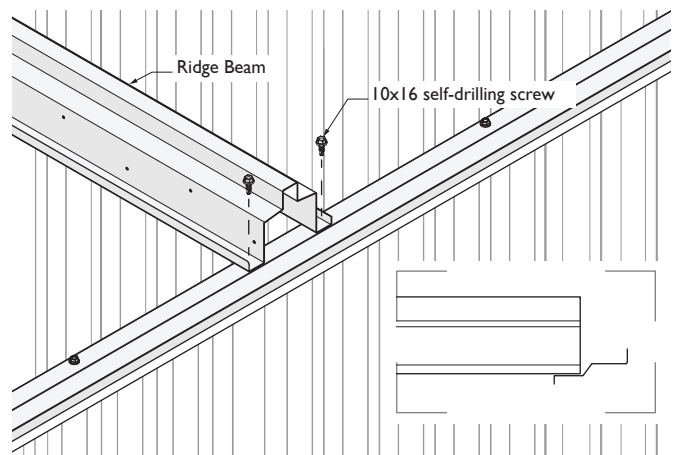

Ridge Beam

10x16 self-drilling screw

Figure 5.2

Use an adjustable spanner to turn up the pans at the ridge end of the roof sheets. This will prevent water flowing back under the sheet (Figure 5.3).
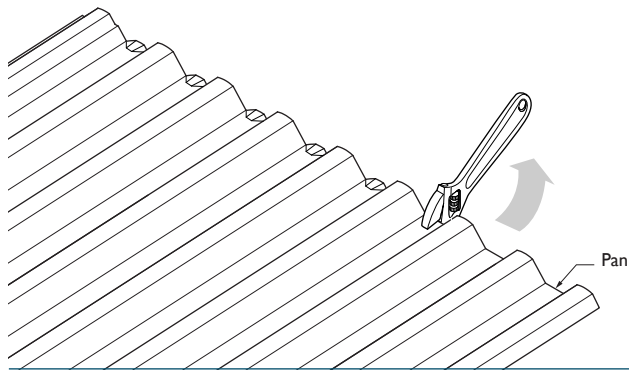
Figure 5.3

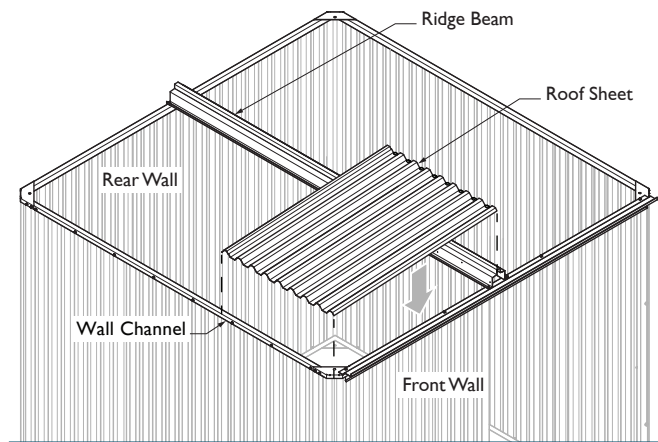Lay the first Roof Sheet onto the Ridge Beam and Wall channel. (Figure 5.4).

Figure 5.4

Position the middle of the Roof Sheet crest in-line with the end of the Ridge Beam (Figure 5.5). Ensure the under-lap end of the Roof Sheet is facing towards the middle of the shed.
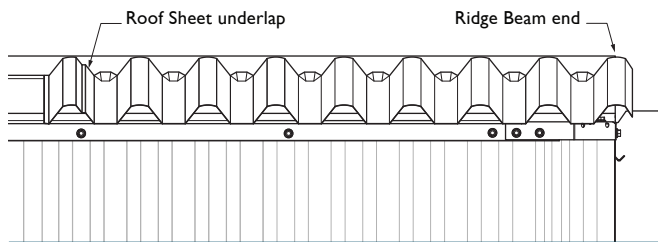
Figure 5.5

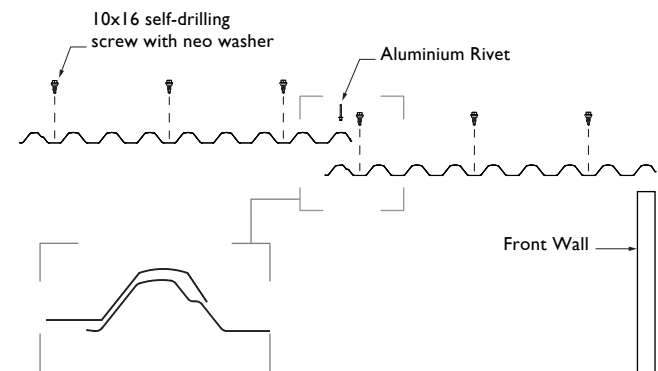Refer to Figure 5.6 for Roof Sheet layout and fastening details.

Figure 5.6

Lay the roof sheeting hard against the step of the Ridge Beam. Fasten three 10x16 self-drilling screws with neo washers through the pans of the Roof Sheet and into the Ridge Beam (Figure 5.7).
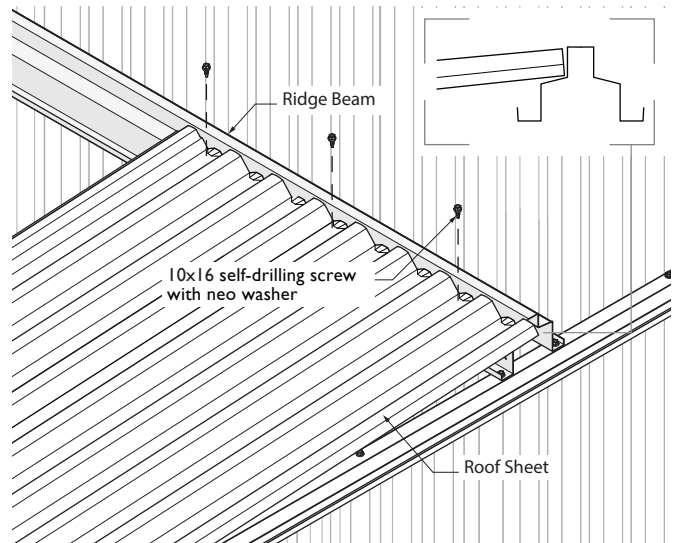
Figure 5.7

Pan fix three 10x16 self-drilling screws with neo washers through the Roof Sheet pans and into the Wall Channel (Figure 5.8).
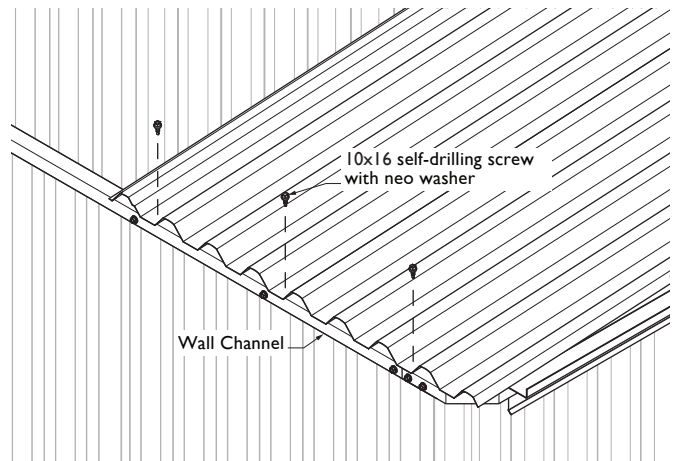
Figure 5.8

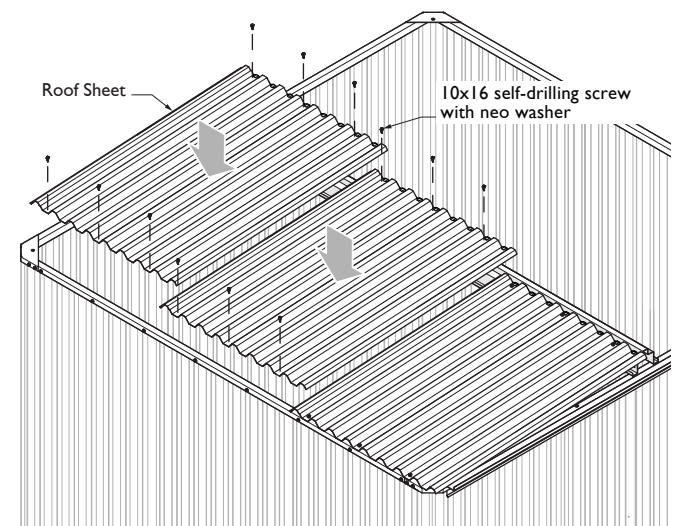Install the remaining Roof Sheets (Figure 5.9). Ensure Roof Sheets are lapped correctly (Refer Figure 5.6)

Figure 5.9

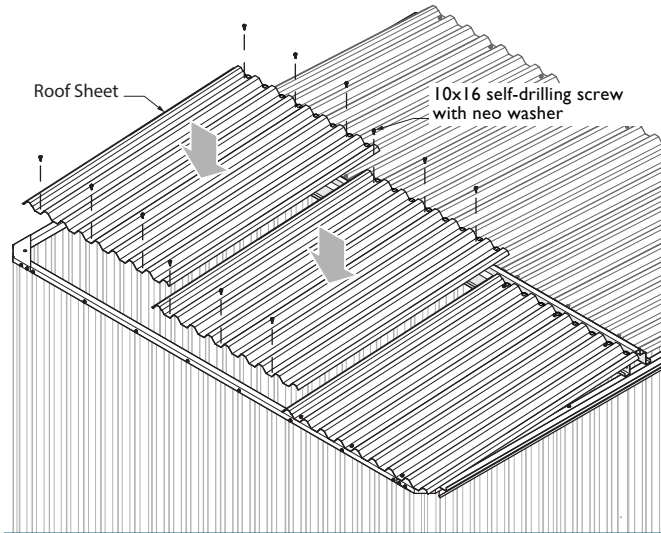Install the opposing side Roof Sheets as per previous steps.

Roof Sheet

10x16 self-drilling screw with neo washer

Figure 5.10

Crest-fix adjacent roofing sheets together at mid-span and Wall Channel ends using rivets (Figure 5.11).
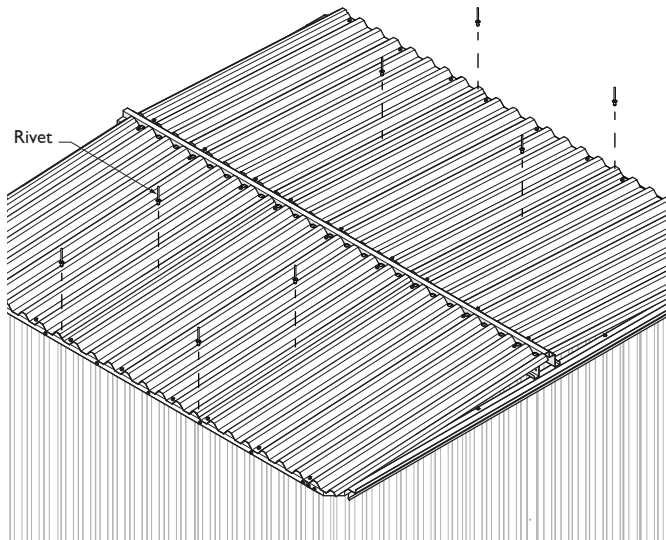
Rivet

Figure 5.11

Position the Ridge caps over the Ridge Beam. The outside edge of the Ridge Caps should line up with the outer face of the Barge Supports (Figure 5.12).
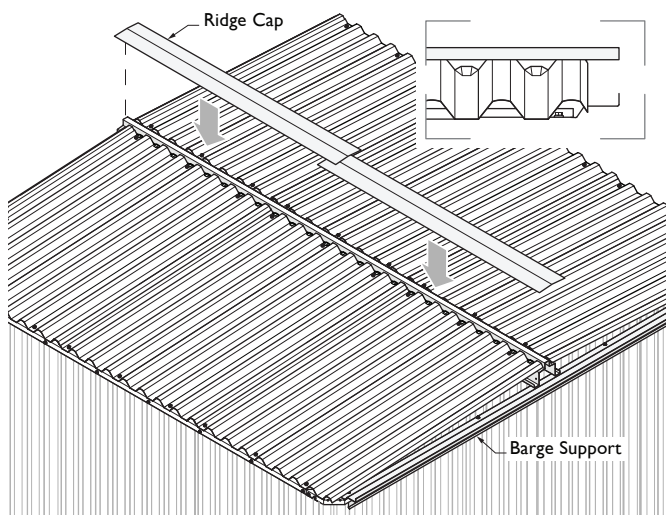
Ridge Cap

Barge Support

Figure 5.12

Use a single 10x16 self-drilling screw with neo washer to secure the overlap of the ridge caps to the Ridge Beam. Fasten the Ridge Cap to the Ridge Beam using 10x16 self-drilling screws with neo washers at 300mm spacings along the entire length of the Ridge Cap (Figure 5.13).

300mm

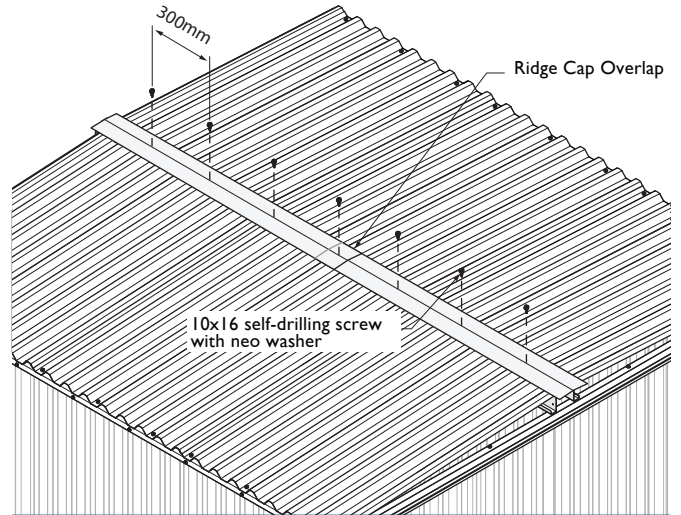Ridge Cap Overlap

10x16 self-drilling screw with neo washer

Figure 5.13

Slide the Door into the Sliding and Runner Rails.
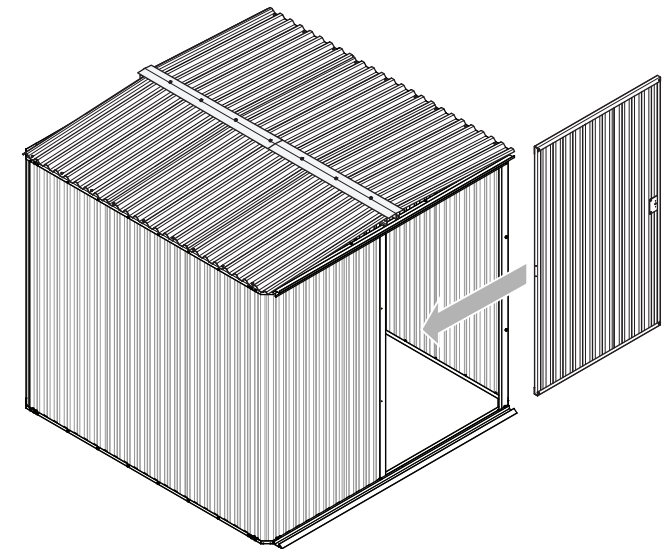
Figure 5.14

The Door Roller should fit into the Sliding Rail at the top. The bottom of the Door should fit into the Runner Rail at the bottom (Figure 5.15).
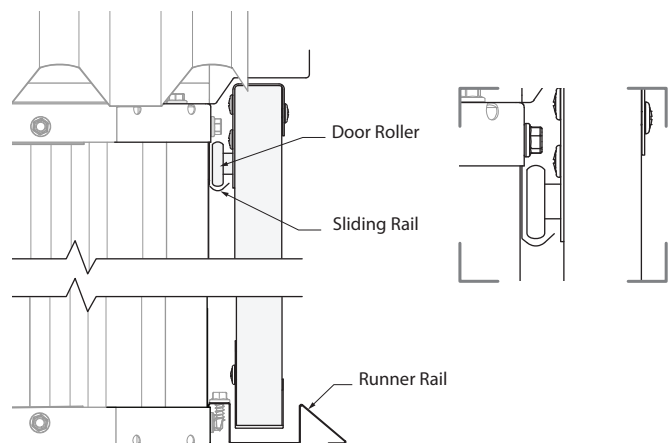
Door Roller

Sliding Rail

Runner Rail

Figure 5.15

Fasten the Door Stop to the Sliding Rail with a 10x22 wafer-head screw spaced 630mm away from the Door Jamb (Figure 5.16).
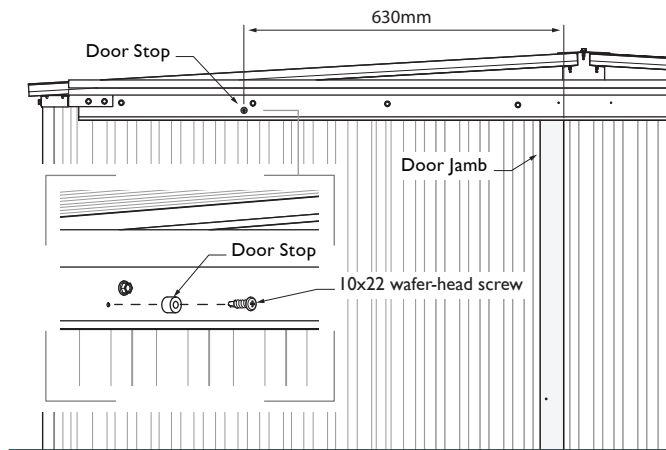

Figure 5.16

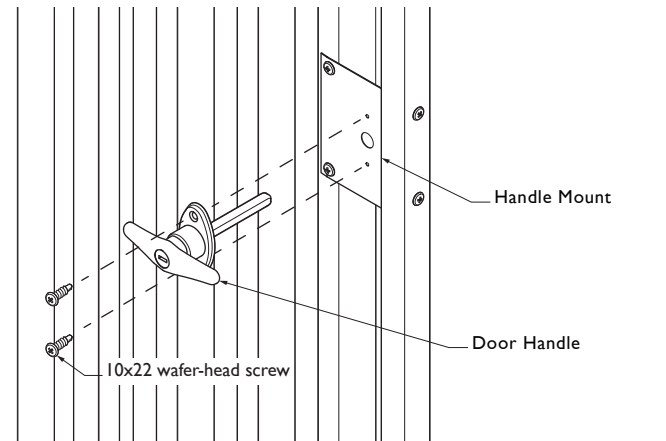Fasten the Door Handle to the Handle Mount with two 10x22 wafer-head screws (Figure 5.17).

Figure 5.17

Fit the Door Tongue over the Door Handle shaft. Ensure the Door Tongue is oriented parallel to the Handle. Fit the Door Tongue approximately 25mm from the Door. Tighten the Door Tongue screw on the Door Handle shaft to secure the Door Tongue in place.
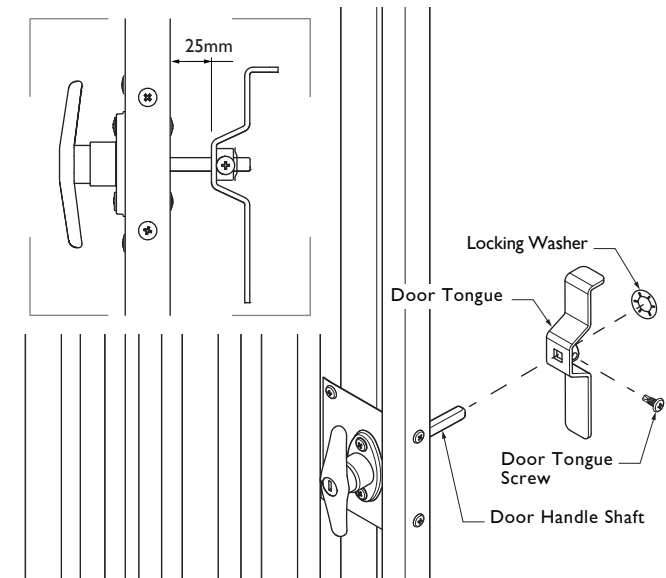Lastly, slide the Locking Washer all the way up the Door Handle shaft (Figure 5.18).

Figure 5.18

Close the Door and rotate the handle so that the Door Tongue is horizontal. Using the Door Tongue as a guide, fasten the Door Latch to the Door Jamb with two 10x16 self-drilling screws (Figure 5.19).
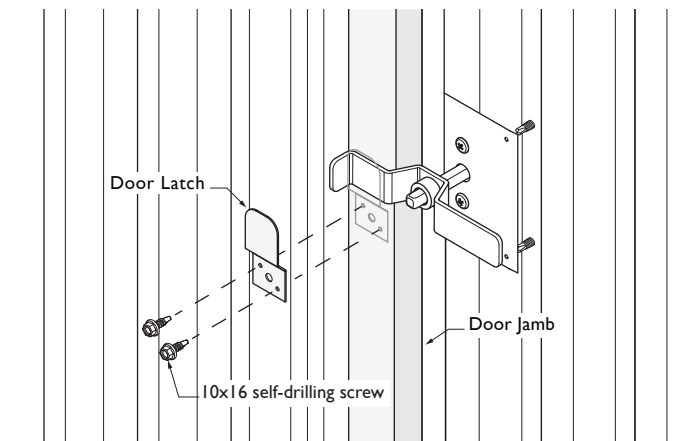

Figure 5.19

Fasten the Door Shroud to the back face of the Runner Rail with two 10x16 self-drilling screws (Figure 5.20).
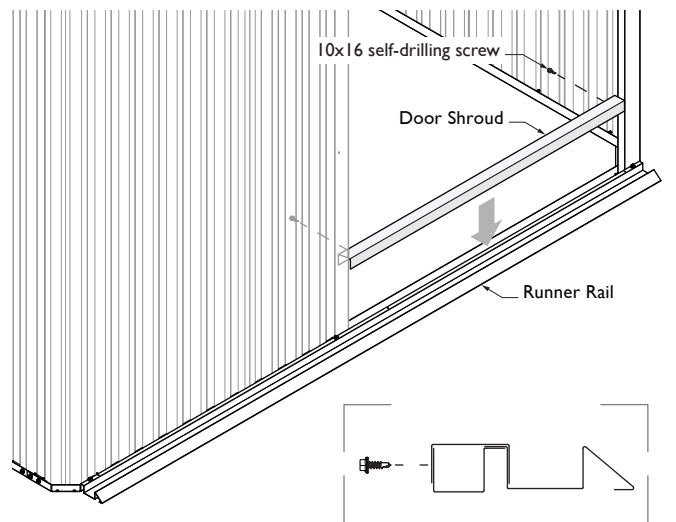

Figure 5.20

Place the left & right Barge Caps over the roof sheets at the front of the shed. The front face of the Barge Caps should fit up against the Barge Support (Figure 5.21).
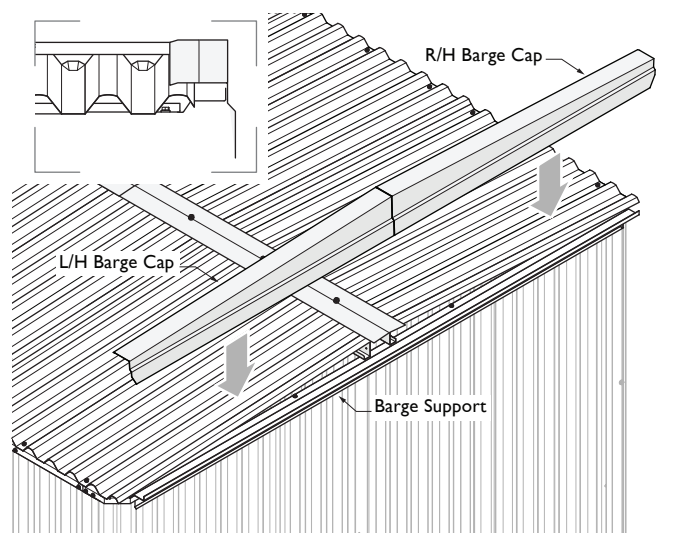

Figure 5.21

The ends of each Barge Cap must align with the ends of the roof sheets. Fasten two coloured 10x25 self-drilling screws with neo washers through the front face of each Barge Cap into the Barge Support.

Fasten two coloured 10x25 self-drilling screws with neo washers through the top of each Barge Cap and into the crests of the Roof Sheets (Figure 5.22).
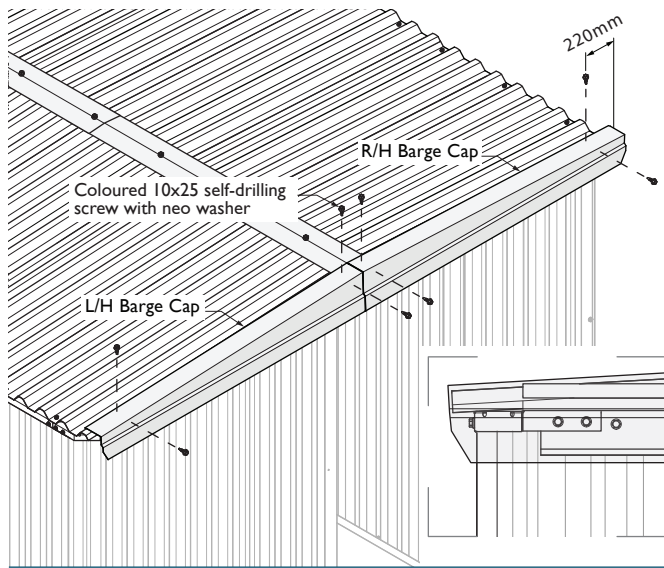

220mm

R/H Barge Cap

Coloured 10x25 self-drilling screw with neo washer

L/H Barge Cap

Figure 5.22

Place the remaining left & right Barge Caps over the Roof sheets at the rear of the shed. Align the ends of each Barge Cap with the ends of the Roof Sheets.
Fasten two coloured 10x25 self-drilling screws with neo washers through the front face of each Barge Cap into the Wall Channel.

Fasten two coloured 10x25 self-drilling screws with neo washers through the top of each Barge Cap and into the crests of the Roof Sheets (Figure 5.23).

Coloured 10x25 self-drilling screw with neo washer

220mm
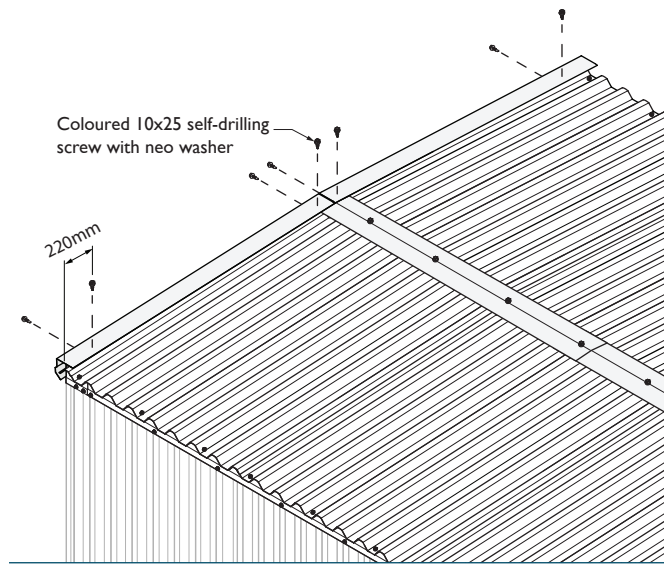
Figure 5.23

WINDOW INSTALLATION

Stratco Shed Windows are an optional add-on, avaliable in both Louvre and Sliding variations. Installation methods are identical for each window type. Windows can be installed in any Wall Assembly that contains a standard Wall Sheet (not including Split Wall Sheets or Corner Wall Sheets).
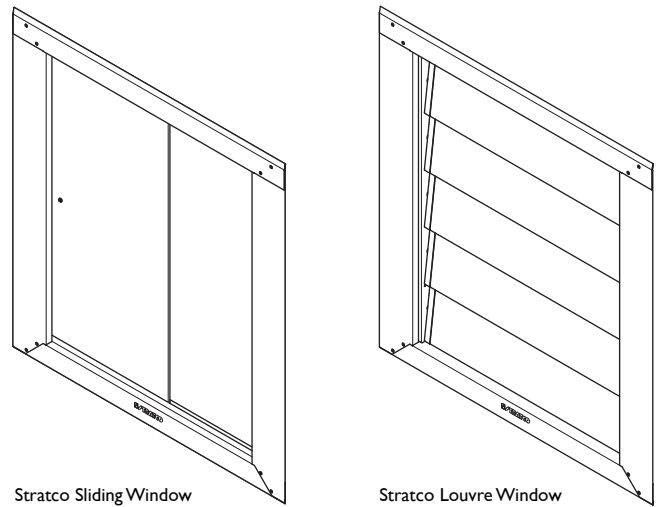

Stratco Sliding Window   Stratco Louvre Window

Figure 5.0

Lay the Wall Sheet on trestles or blocks. Mark and cut 750mm from the end of the Wall Sheet (Figure 5.1).
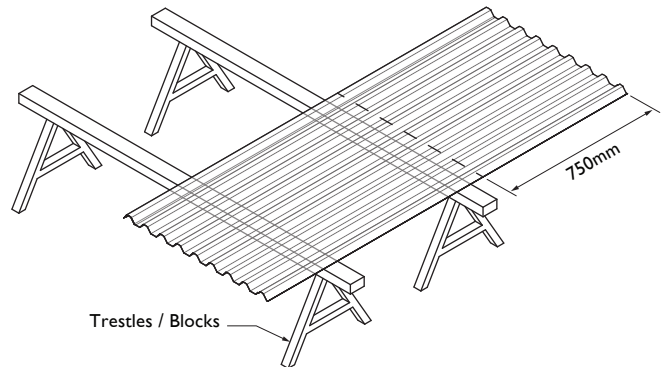

750mm

Trestles / Blocks

Figure 5.1

Assemble the Wall Assembly as per Figure 1.3 - 1.10 of "Wall Assembly".
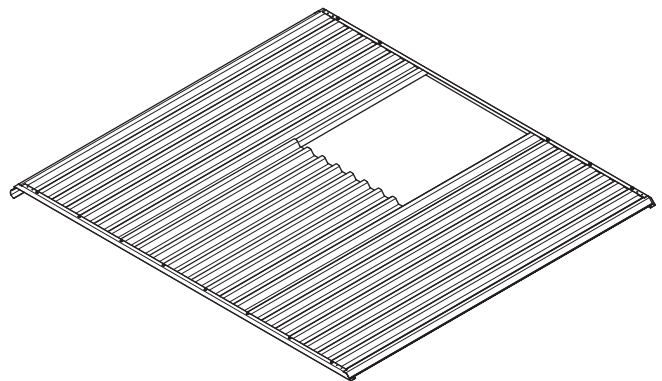

Figure 5.2

Fit the window within the opening. Ensure the top lip of the window is fitted between the Wall Channel and Wall Sheets. A minimum of four evenly spaced rivets must be used along each side of the window frame. All fasteners must be fixed through the crests of the Wall Sheets (Figure 5.3).
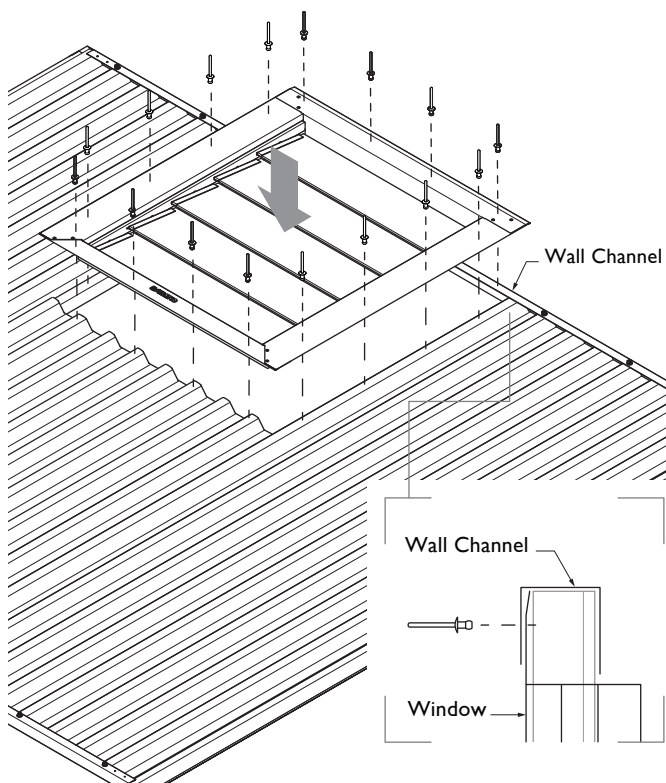
The window flashing must be fitted from the inside of the shed. Fit the short face of the flashing between the window and the cut edge of the Wall Sheet. Secure the flashing to the Wall Sheet with four evenly spaced rivets. Ensure all rivets are crest-fixed through to the sheets (Figure 5.4).

Wall Channel

Wall Channel

Window
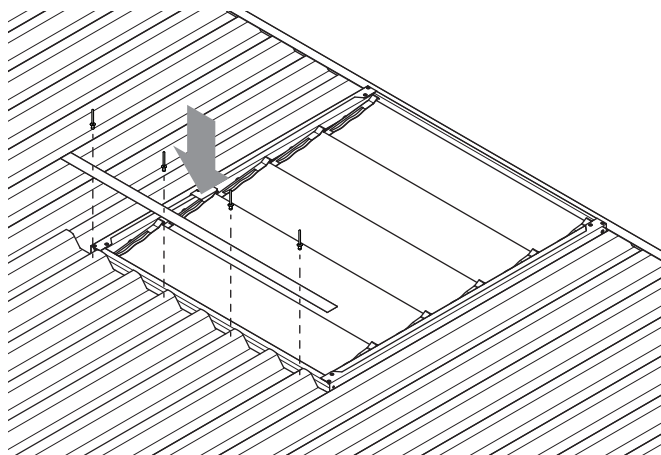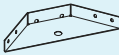
Figure 5.3

Figure 5.4

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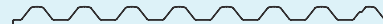
Your Stratco Handi-Mate™ Shed will maintain its good looks for even longer with a simple wash and wipe down. Cleaning should be performed as often as is required to remove any dirt, salt and pollutants.

Stratco Handi-Mate™ 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.

COMPONENT INDEX

PROFILE	DESCRIPTION	PRODUCT CODE
	Door Handle	HMTH
	Door Tongue	HMDT
	Door Latch	HMDL
	Handle Mount	HMDM
	Corner Bracket	HMCB
	Door Jamb	HMDJ
	Door Shroud	HMDSHDRBO
	Top Door Channel	HMDCTO
	Bottom Door Channel	HMDCBO
	Vertical Door Channel	HMDCVE
	Wall Channel	HMWC
	Bottom Channel	HMBR

COMPONENT INDEX

PROFILE	DESCRIPTION	PRODUCT CODE
	Runner Rail	HMRRBO
	Sliding Rail	HMSR
	Barge Support	HMBS
	Barge Cap - Left Hand Side	HMBCHDRL
	Barge Cap - Right Hand Side	HMBCHDRR
	Ridge Cap	HMRC
	Ridge Beam	HMRB
	Roof Sheet	SSPHMRS
	Split Wall Sheet	SSPHMSW
	Split Door Sheet	SSPHMSD
	Corner Wall Sheet	SSPHMWSCNR
	Wall Sheet	SSPHMWS
	Hold Down Lug	HMHL
	Door Wheel	HMDW
	Door Stop	HMSS
	Door Nut	HMNN6
	Masonry Anchor	MAA847
	Rivet	RIV4-3
	16mm Wafer Head Screw	WTK1016
	22mm Wafer Head Screw	WTK1022
	16mm Self-Drilling Screw	TEKNNW1016
	16mm Self-Drilling Screw Neo Washer	TEK1016
	25mm Self-Drilling Screw Neo Washer	TEK1025
	Fasteners Kit	HMSKHSD

STRATCO

Ph: 1300 155 155
stratco.com.au