



HANDI-MATE™ SHED

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

SHED WINDOWS (OPTIONAL)

Stratco Shed Windows are available as an optional add-on, available 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.

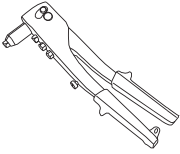

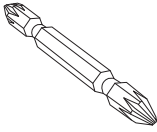
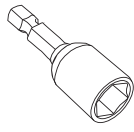
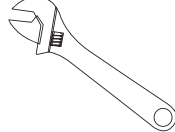
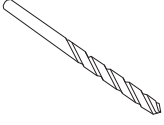



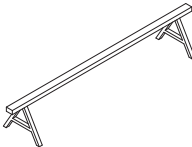
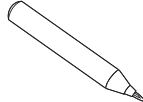
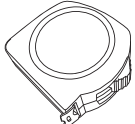
Option 1 - Before building the shed, pour a base that is larger than the area by at least 200mm in each direction. The base should be poured so the concrete outside the shed floor area slopes away from the shed to help prevent water from entering the shed.

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 Handy-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 Handy-Mate™.
5. Use heavy gloves when handling steel sheeting and flashings and never attempt to install a shed in windy conditions.
6. Handy-Mate sizes HM1 – HM7 are suitable for wind classifications N1, N2 & N3.
7. Handy-Mate sizes HM8 – HM11 are suitable for wind classifications N1 & N2.

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

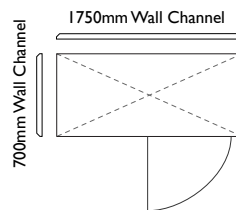
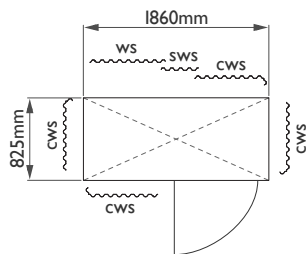
Refer to the following figures for Wall Sheeting and Wall Channel configurations.

Corner Wall Sheet - CWS

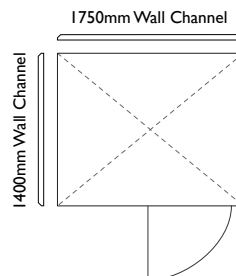
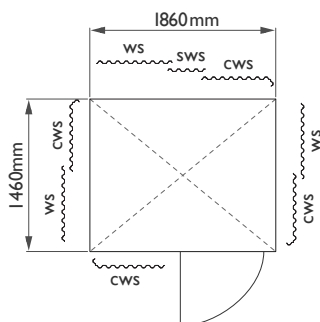
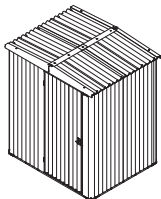
Split Wall Sheet - SWS

Wall Sheet - WS

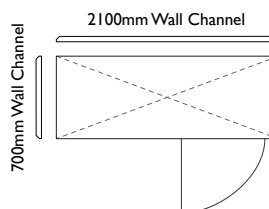
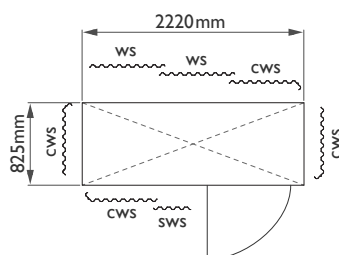
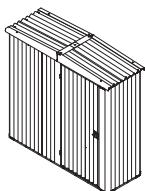
Handi-Mate™ 1



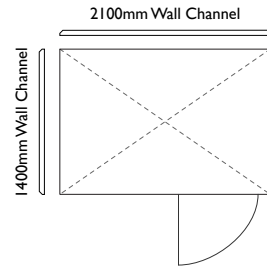
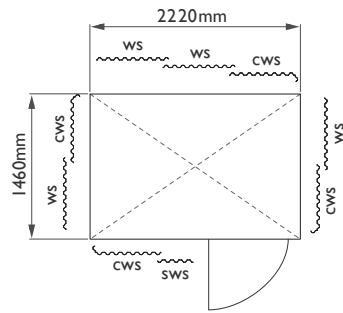
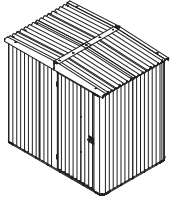
Handi-Mate™ 2



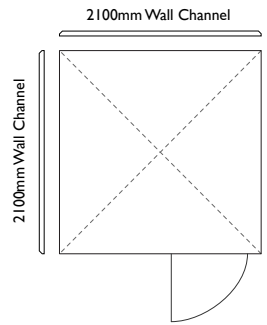
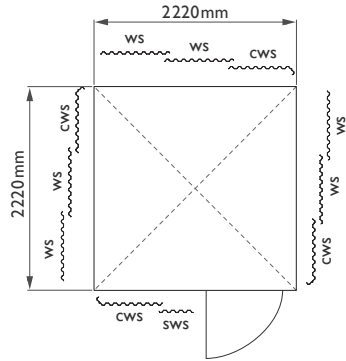
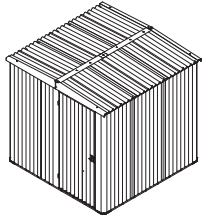
Handi-Mate™ 3



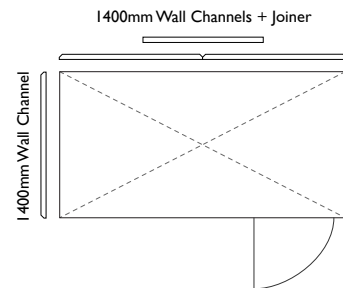
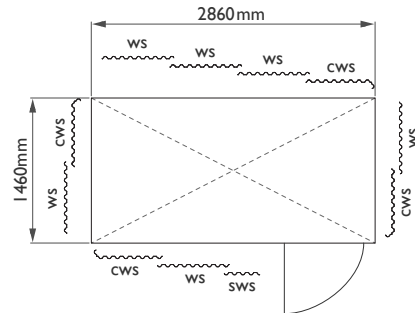
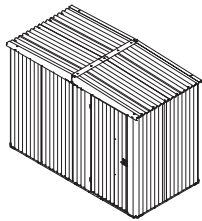
Handi-Mate™ 4



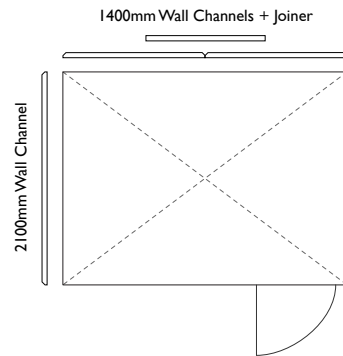
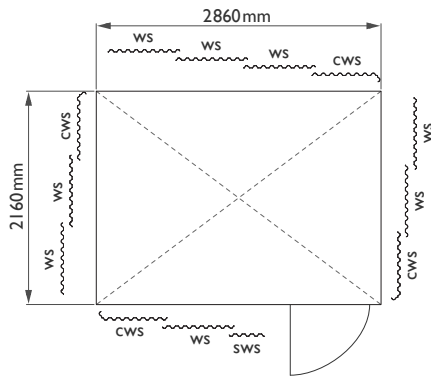
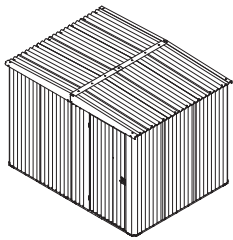
Handi-Mate™ 5



Handi-Mate™ 6

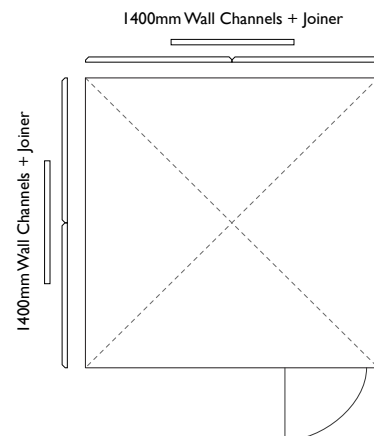
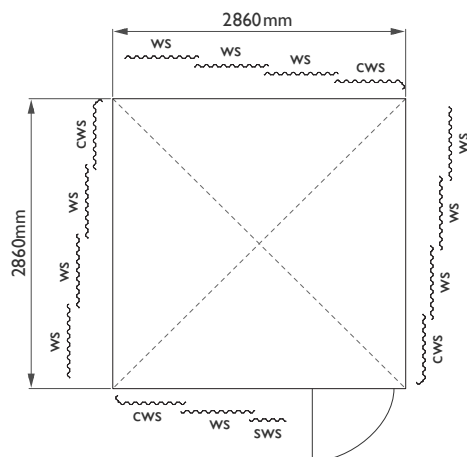
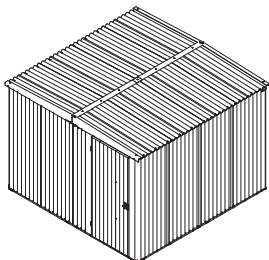


Handi-Mate™ 7



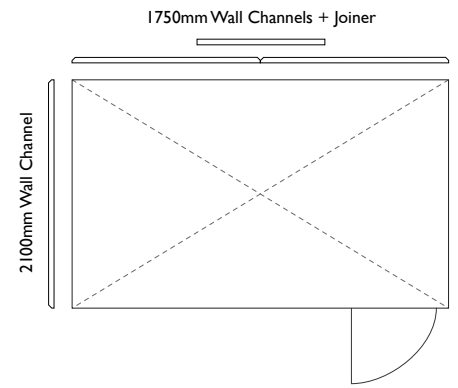
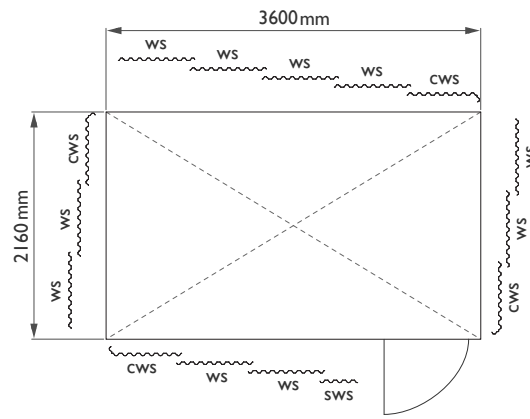
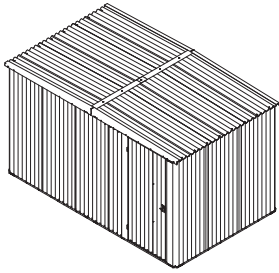
Handi-Mate™ 8

Suitable only for wind classifications NI & N2.



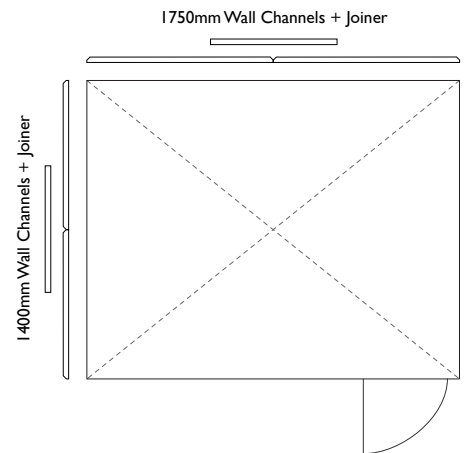
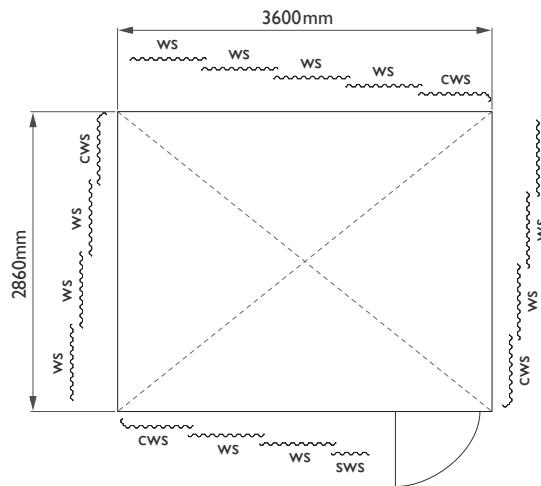
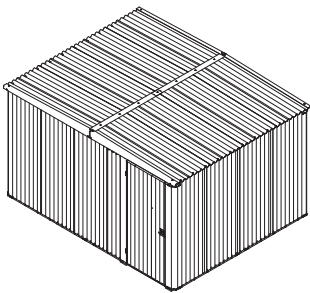
Handi-Mate™ 9

Suitable only for wind classifications N1 & N2.



Handi-Mate™ 10

Suitable only for wind classifications N1 & N2.



Handi-Mate™ 11

Suitable only for wind classifications N1 & N2.

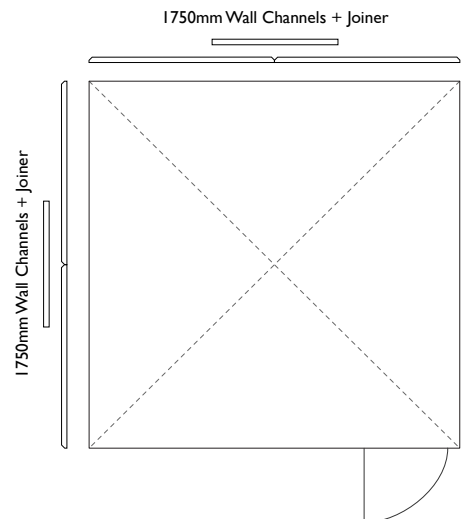
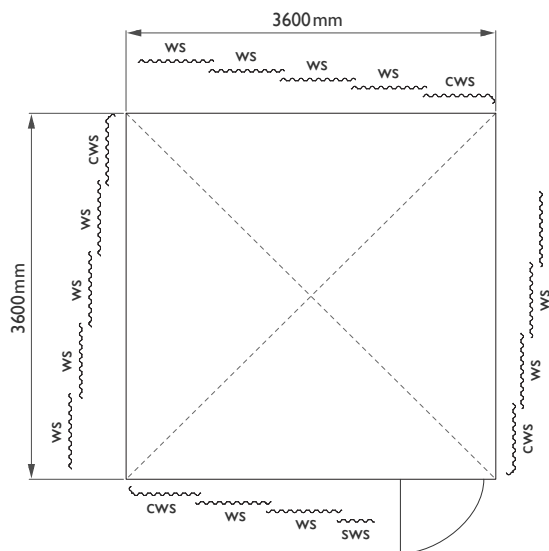
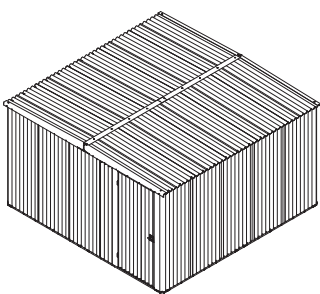

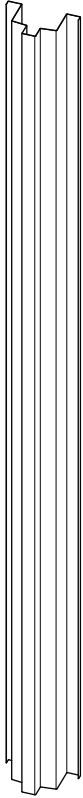
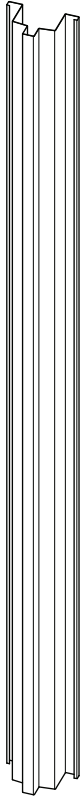





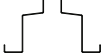
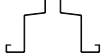



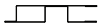
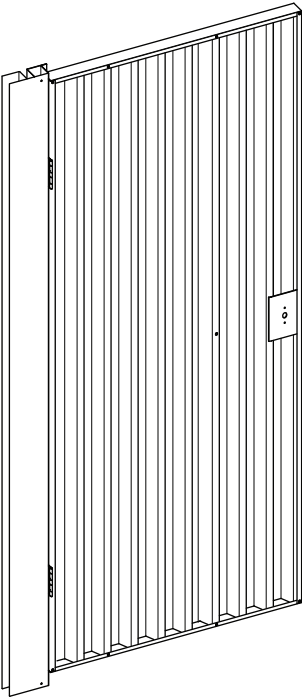
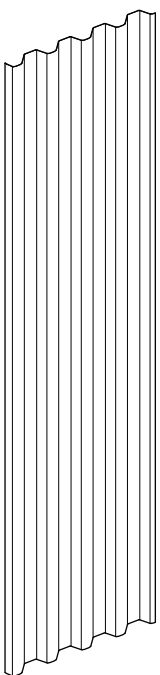
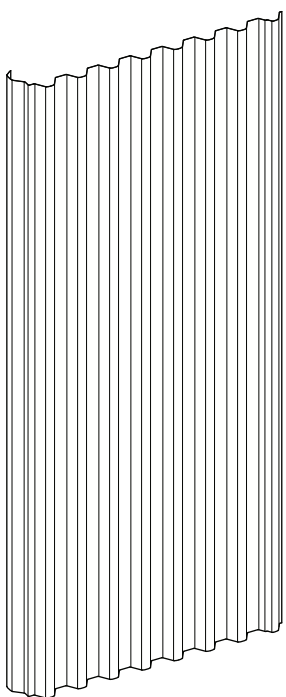
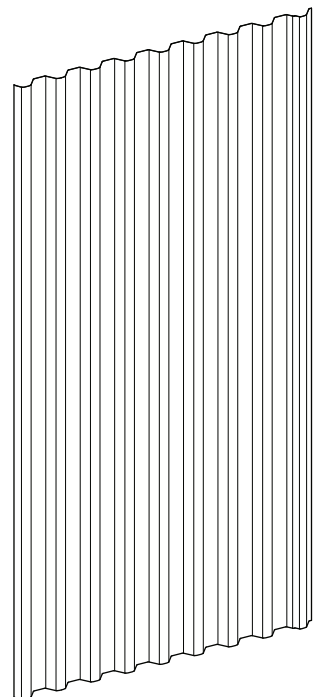






Figure 1.0

COMPONENTS

						
						
Ridge Cap	Ridge Beam	Ridge Beam Joiner (HM 8, 10, 11 only)	Door Shroud	Wall Channel	Wall Channel Joiner (HM 6-11 only)	Door Jamb

			
			
Door Assembly	Split Wall Sheet	Corner Wall Sheet	Wall Sheet

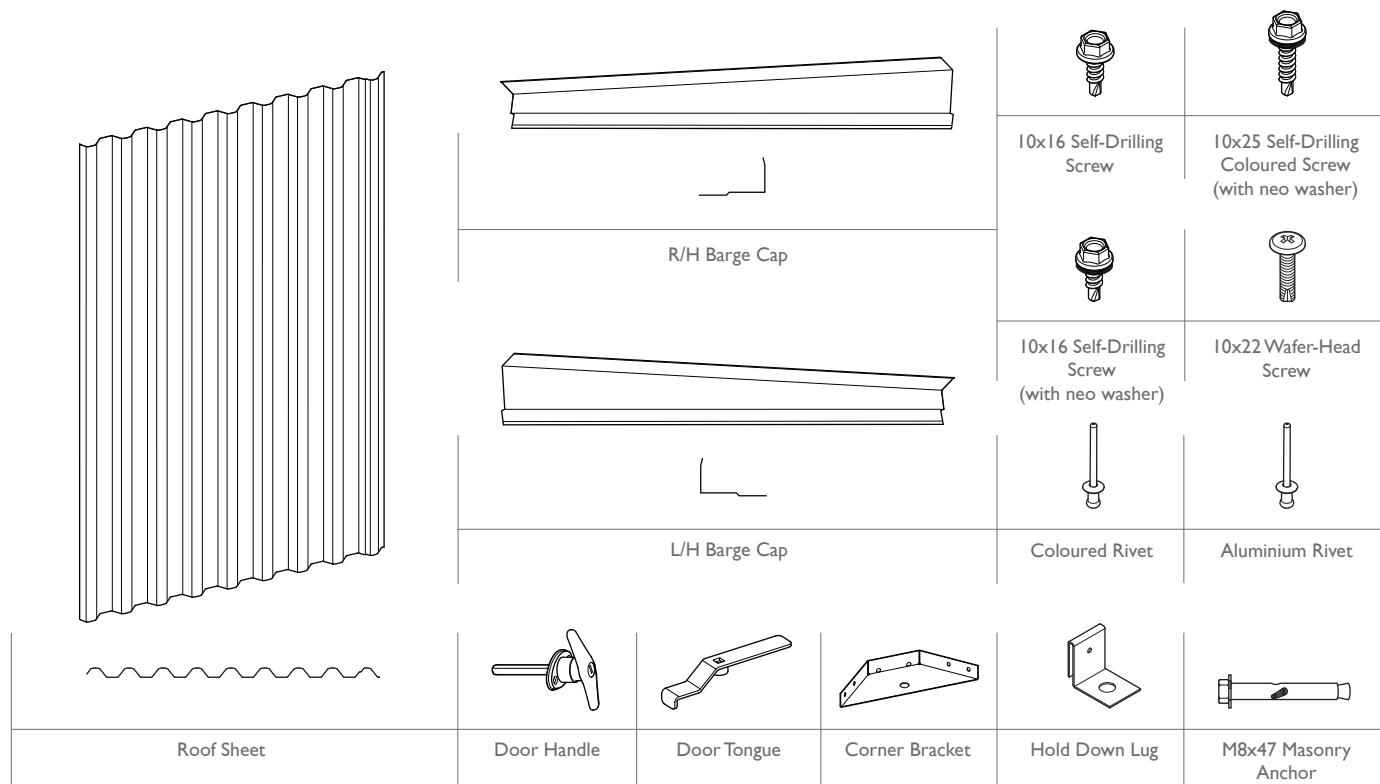


Figure I.1

WALL ASSEMBLY

Note: Handi-Mate™ 1 - 2 wall assemblies include a Split Wall Sheet.

Handi-Mate™ 6 - 11 wall assemblies include a Wall Channel Joiner. Refer to the “Handi-Mate™ Model Sizes” section to determine which wall assemblies of your shed use a Wall Channel Joiner.

Handi-Mate Window Assembly

Stratco Shed Windows are available 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.

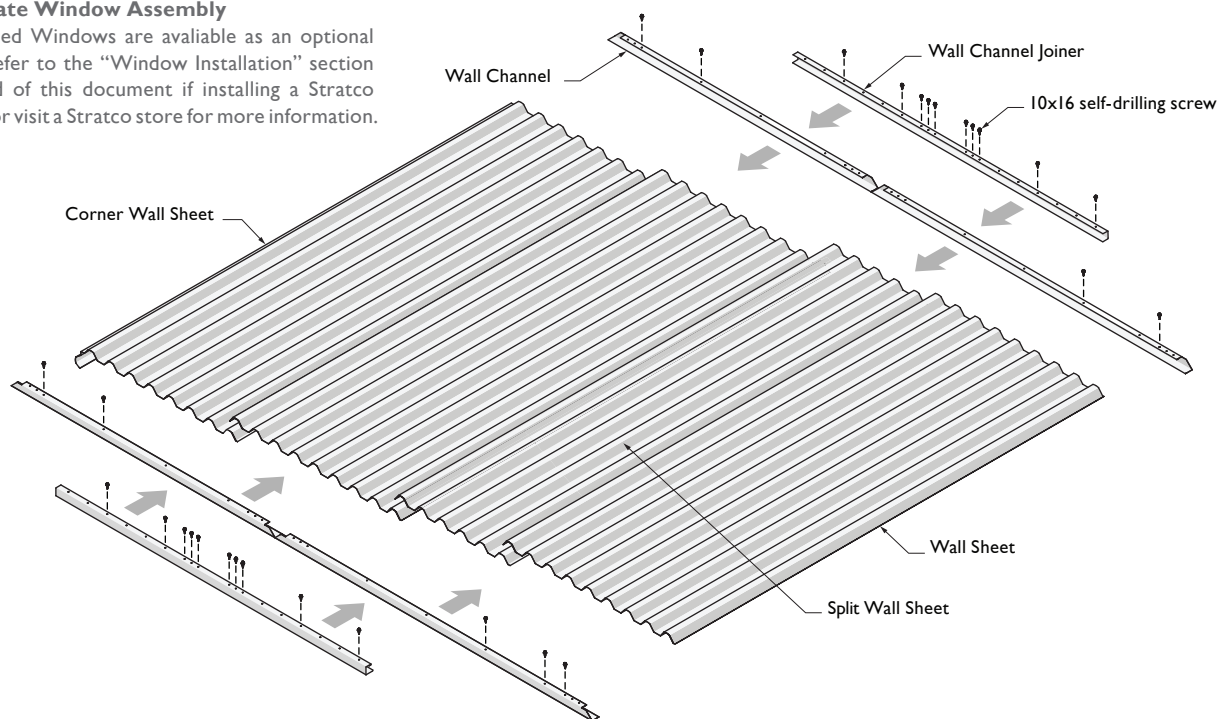


Figure I.2

Handi-Mate™ Wall Assemblies with Wall Channel Joiner:

Some wall assemblies within the Handi-Mate™ 6 - 11 range use two Wall Channels and a Wall Channel Joiner. Refer to the “Handi-Mate™ Model Sizes” section to determine which wall assemblies of your shed use a Wall Channel Joiner. These components must be assembled before continuing.

Slide both Wall Channels into the Wall Channel Joiner. Ensure the four middle pre-punched holes of the Wall Channel Joiner and Wall Channels line up. Fasten 10x16 self-drilling screws through the four middle pilot holes of the Wall Channel Joiner and into the Wall Channel (Figure 1.3).

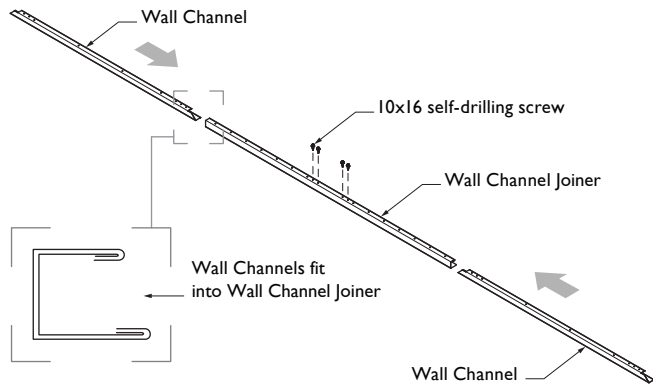


Figure 1.3

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.

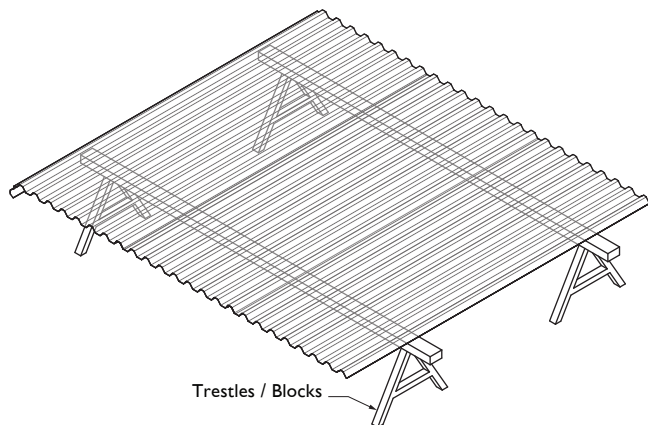


Figure 1.4

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.

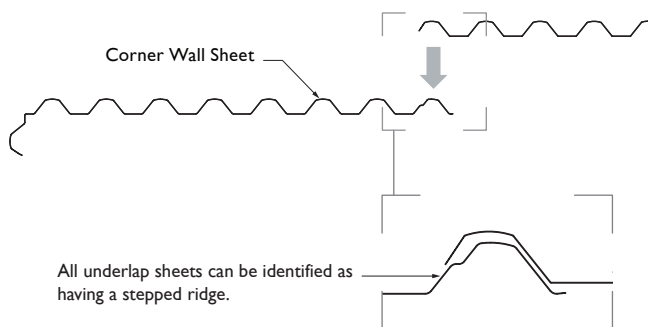


Figure 1.5

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).

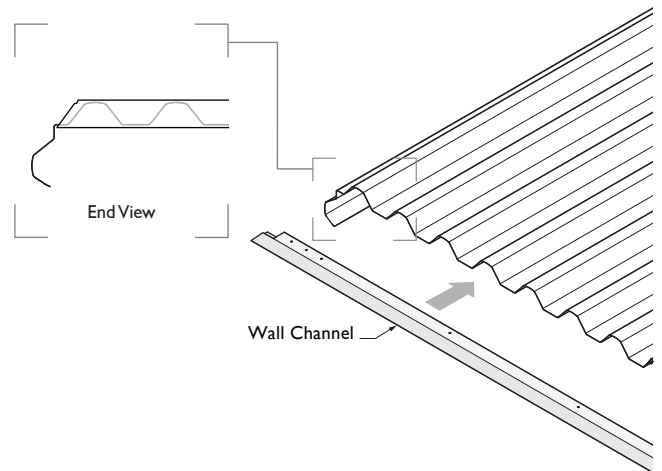


Figure 1.6

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.

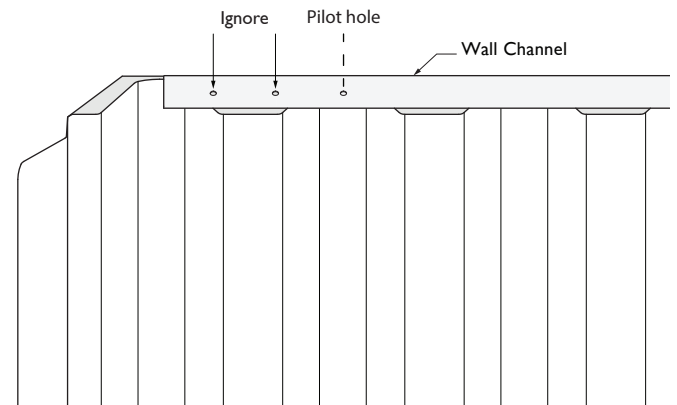


Figure 1.7

Handi-Mate™ Wall Assemblies with Wall Channel Joiner:

Starting at the third pilot hole from the end, Fasten 10x16 self-drilling screws through the top and bottom Wall Channels into every third Wall Sheet crest (Figure 1.8).

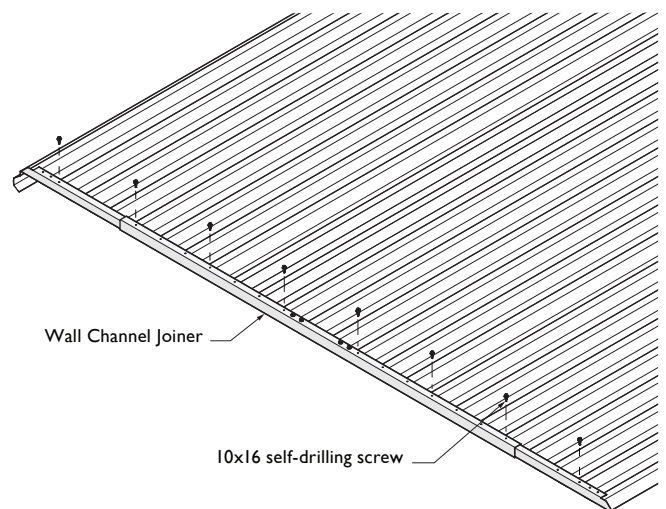


Figure 1.8

Handi-Mate™ Wall Assemblies without Wall Channel Joiner:
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 1.9).

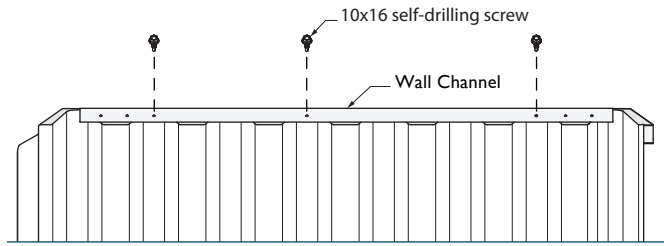


Figure 1.9

Join any overlapping sheets to one another using coloured rivets through the mid-span of lapping crests (Figure 1.10). 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.

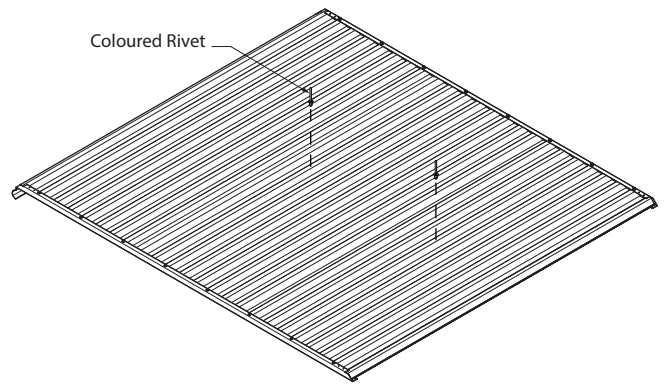


Figure 1.10

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: Handi-Mate™ 3 - 11 front wall assemblies include a Split Wall Sheet. Handi-Mate™ 6 - 11 wall assemblies include a Wall Channel Joiner. Refer to the "Handi-Mate™ Model Sizes" section to determine the specific layout of your front wall assembly.

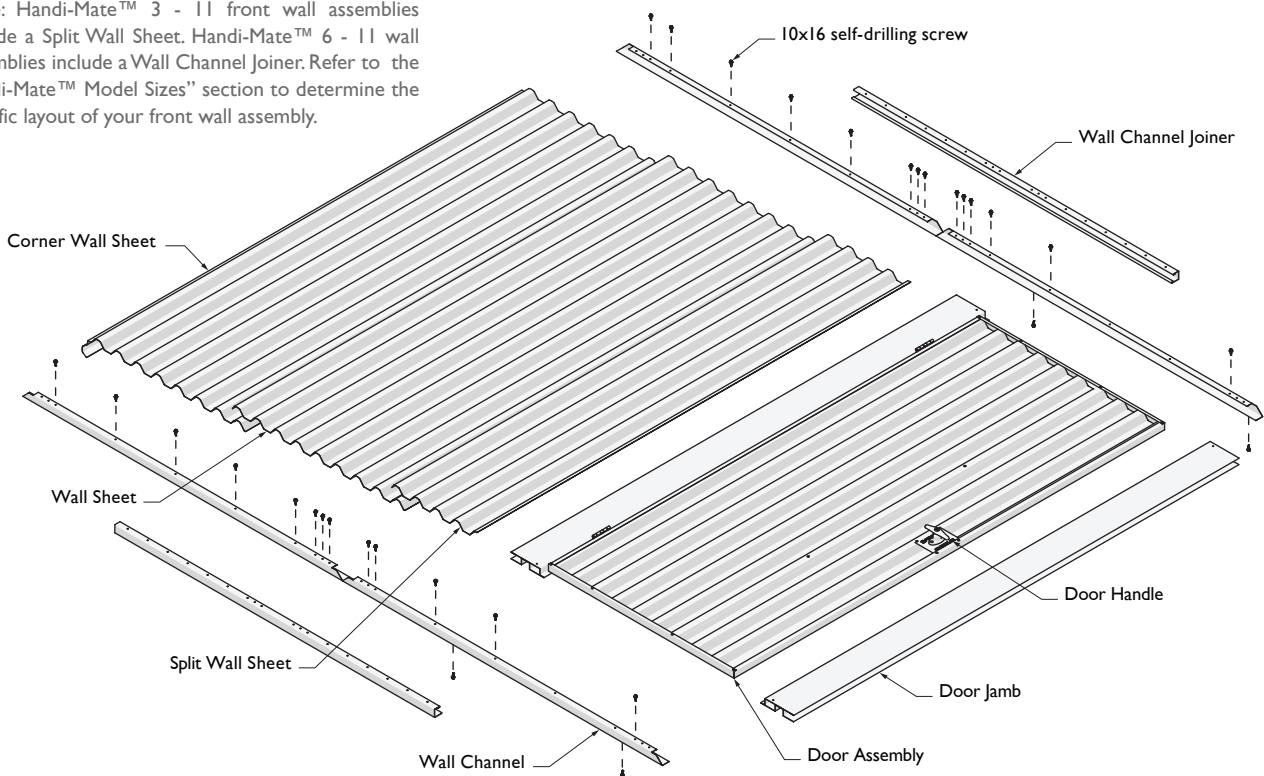


Figure 2.0

Handi-Mate™ 6 - 11 Front Wall Assemblies Only:

Front Wall Assemblies of the Handi-Mate™ 6 - 11 range use two Wall Channels and a Wall Channel Joiner. These components must be assembled before continuing.

Slide both Wall Channels into the Wall Channel Joiner. Ensure the middle pre-punched holes of the Wall Channel Joiner and Wall Channels line up.

Fasten 10x16 self-drilling screws through the four middle pilot holes of the Wall Channel Joiner into the Wall Channel (Figure 2.1). Assemble the second set of Wall Channels in the same manner.

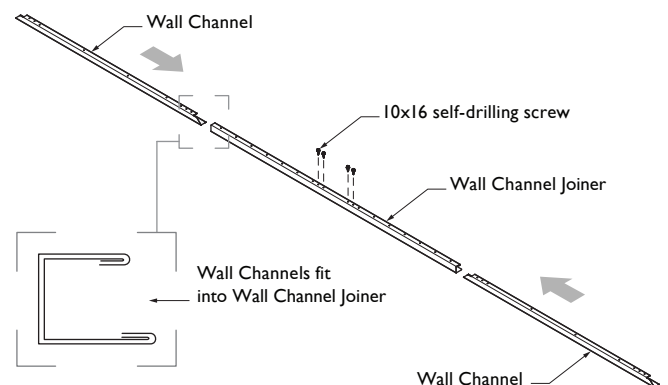


Figure 2.1

Using the pilot hole in the Handle Mount as a guide, drill a $\varnothing 3.5\text{mm}$ pilot hole, then $\varnothing 12\text{mm}$ hole through the wall sheet.

Fasten the Door Handle to the Handle Mount with two 10x22 wafer-head screws. Ensuring the Door Tongue is oriented parallel to the Handle, slide the Door Tongue all the way up the Door Handle shaft.

Tighten the Door Tongue screw on the Door Handle shaft to secure the Door Tongue in place (Figure 2.2).

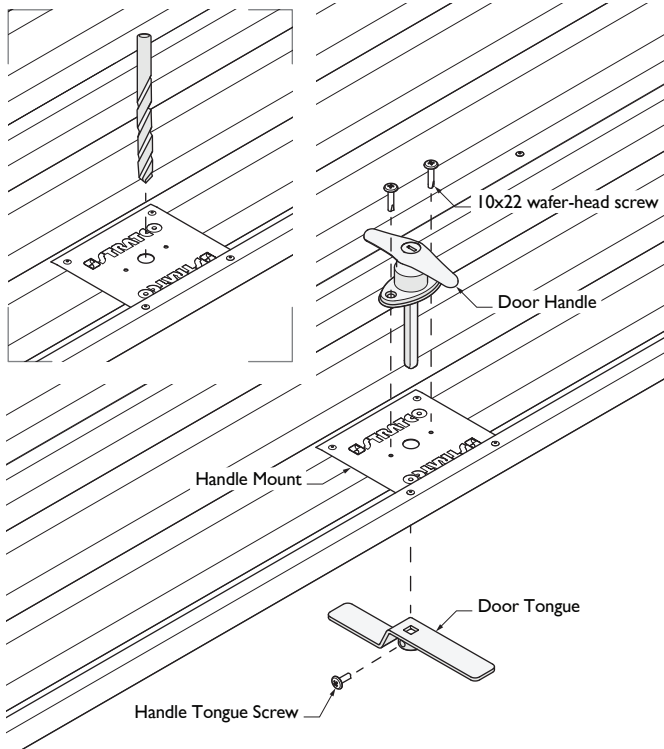


Figure 2.2

Lay out sheets onto trestles/blocks (Refer Figure 1.5 for lapping details). Fit the Door Assembly over the Wall Sheet. Fit the Door Jamb up against the Wall Assembly.

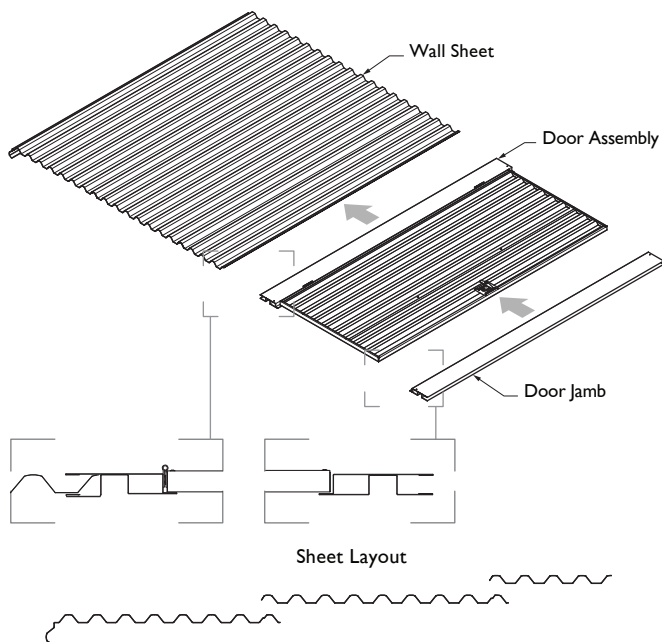


Figure 2.3

Fit both Wall Channels over the Wall Sheets and Door Jamb (Figure 2.4). The end of the Channels should fit up against the ends of the Corner Wall Sheet (Refer Figure 1.6).

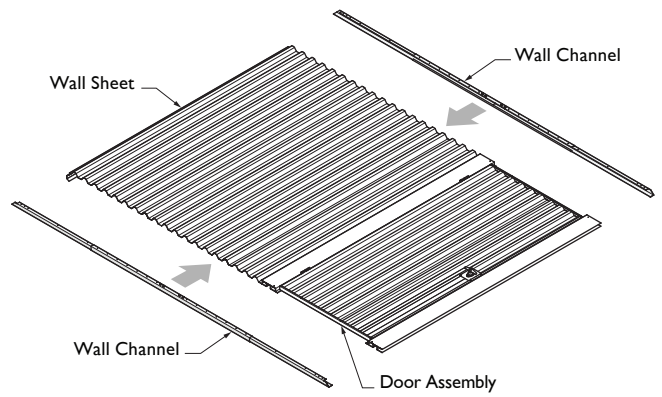


Figure 2.4

Line up the third pilot hole from the end of the Wall Channels with the Door Jamb pilot hole. Fasten one 10x16 self-drilling screw through both Wall Channels and into the Door Jamb.

Crest-fix one 10x16 self-drilling screw through pilot holes of both Wall Channels into the Wall Sheet (Figure 2.5).

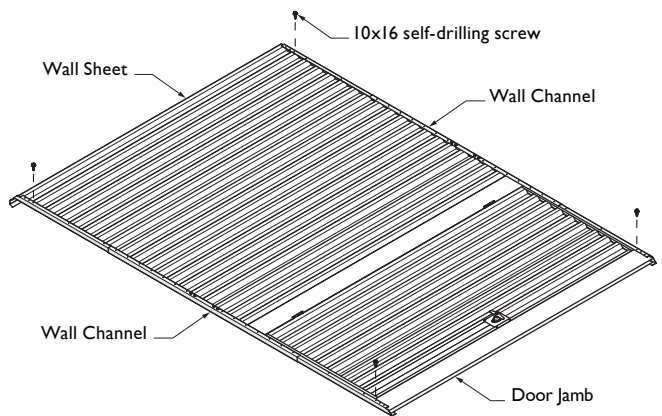


Figure 2.5

With the Door open, fit the Door Shroud inbetween the Door Jamb. Use the Door Shroud as a guide to set the correct spacing between the Door Jamb.

Fasten two 10x16 self-drilling screws through both Wall Channels into the Door Jamb (Figure 2.6).

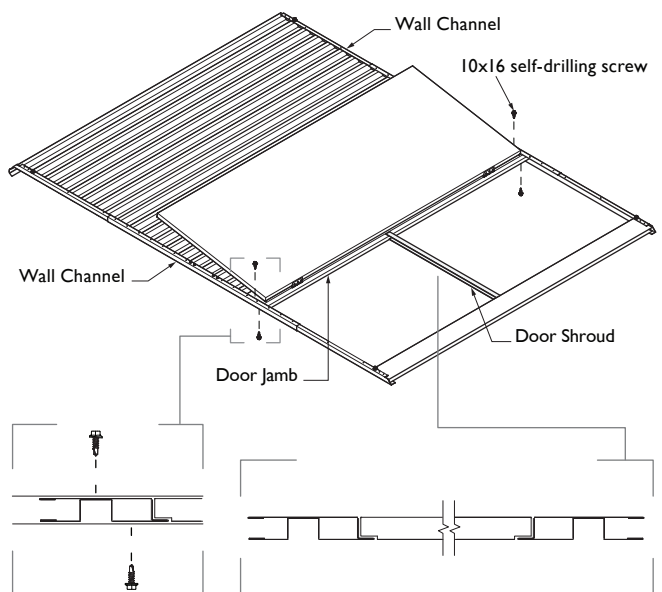


Figure 2.6

Fit the Door Shroud into the bottom Wall Channel. Fasten three 10x16 self-drilling screws through pilot holes in the Wall Channel into the Door Shroud (Figure 2.7).

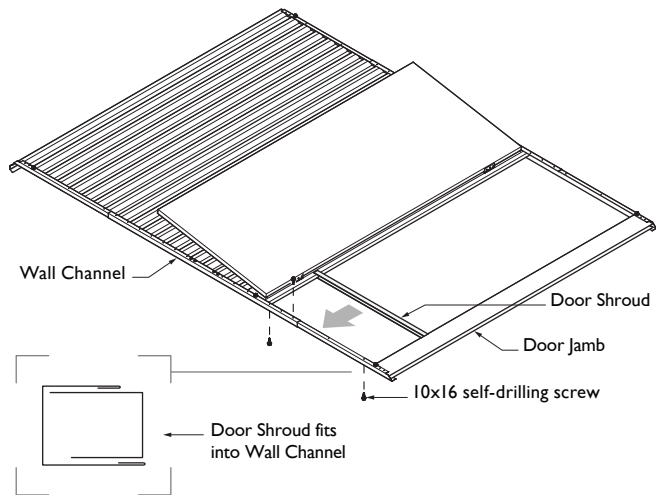


Figure 2.7

Fasten 10x16 self-drilling screws through the top and bottom Wall Channels into every third Wall Sheet crest.

Fasten one 10x16 self-drilling screw through the top Wall Channel Joiner pilot hole (above the door assembly) into the top Wall Channel.

Join overlapping sheets to one another using coloured rivets through the mid-span of lapping crests (Figure 2.8).

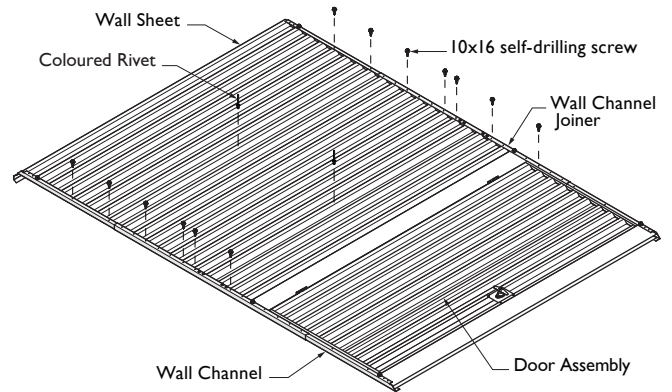


Figure 2.8

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 3.0).

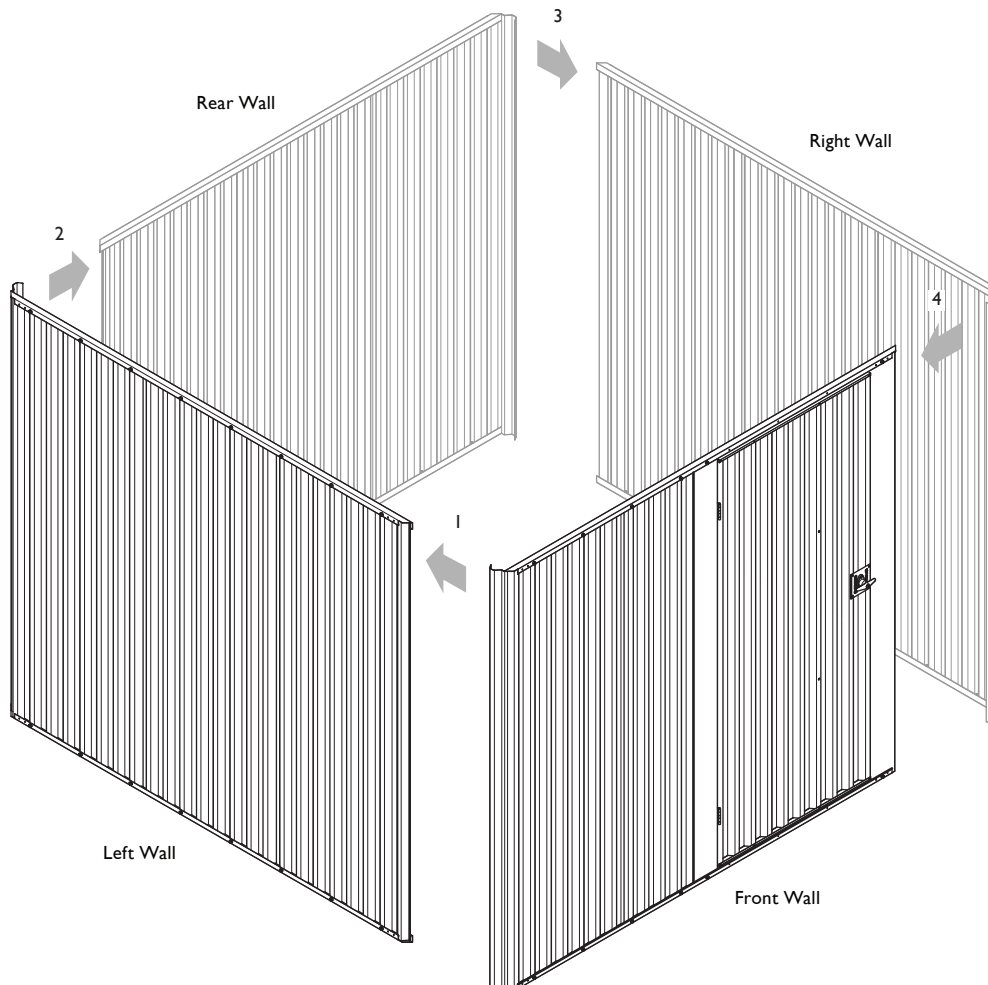


Figure 3.0

Fit the corner of the Front Wall over the left side Wall Sheet (Figure 3.1).

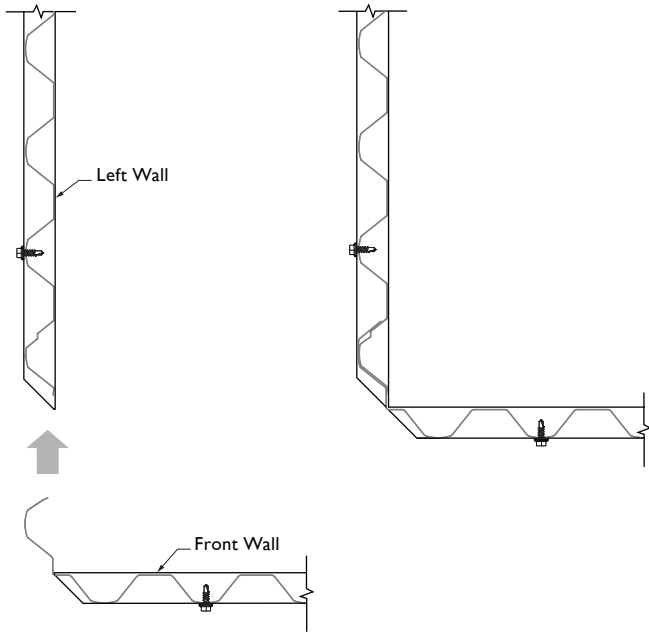


Figure 3.1

Fit the Corner Bracket over the Top Wall Channels. Ensure the pilot holes of the Corner Bracket and Wall Channels line up (Figure 3.2).

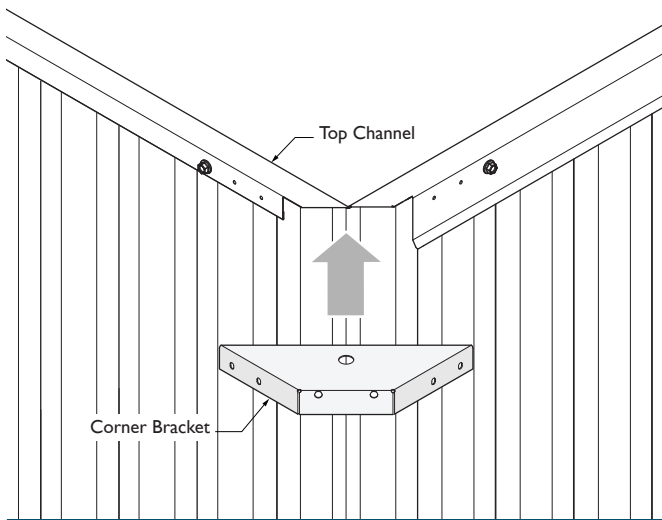


Figure 3.2

Fasten through the Corner Bracket pilot holes and into the Top Channels using 10x16 self-drilling screws (Figure 3.3).

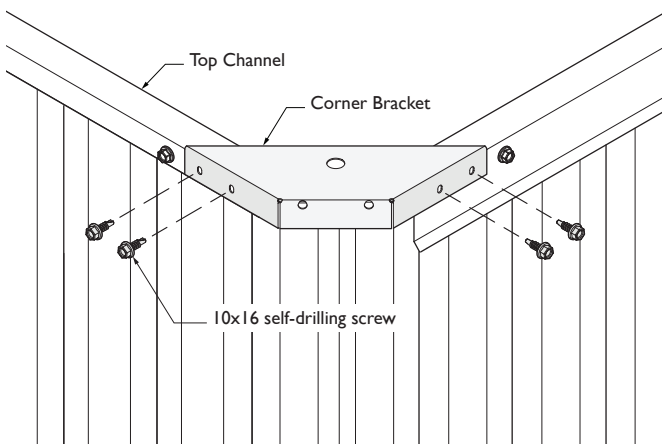


Figure 3.3

Fit the Rear Wall Assembly as per Figure 3.1 - 3.3.

Fit the Corner Wall Sheet of the right side Wall into the Door Jamb (Figure 3.4). Fit the Corner Bracket as per Figure 3.2 - 3.3.

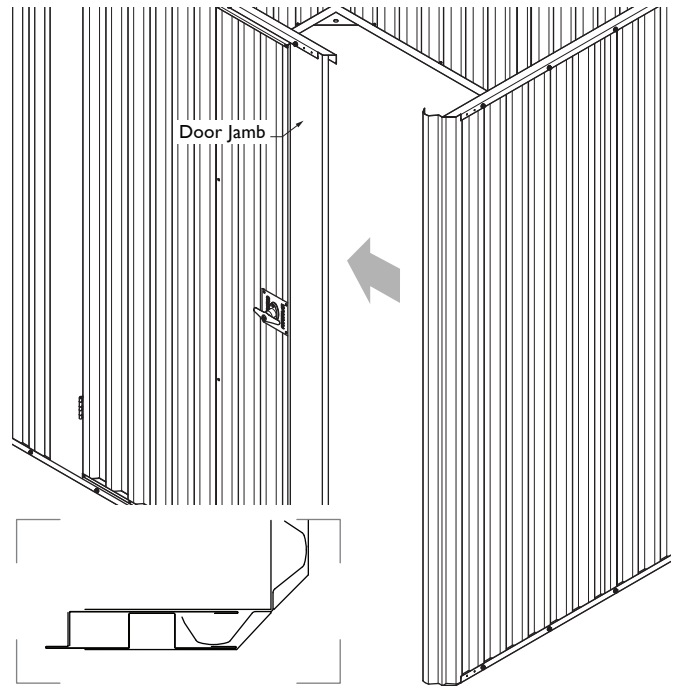


Figure 3.4

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 3.5).

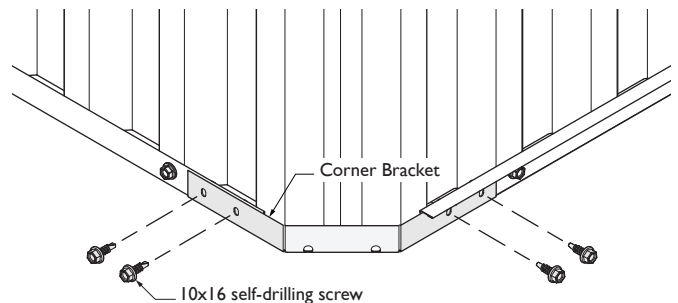


Figure 3.5

Check the walls are square. Check the diagonal measurements from corner to corner (dashed lines, Figure 3.6). The diagonal measurements should be equal for the walls to be square.

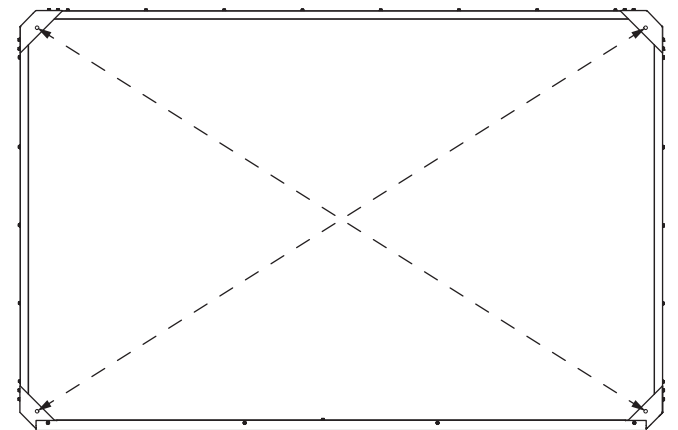


Figure 3.6

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 3.7).

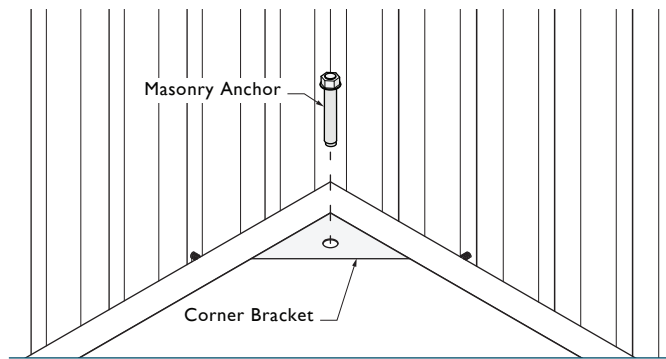


Figure 3.7

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 3.9 for Hold Down Lug spacings (Figure 3.8).

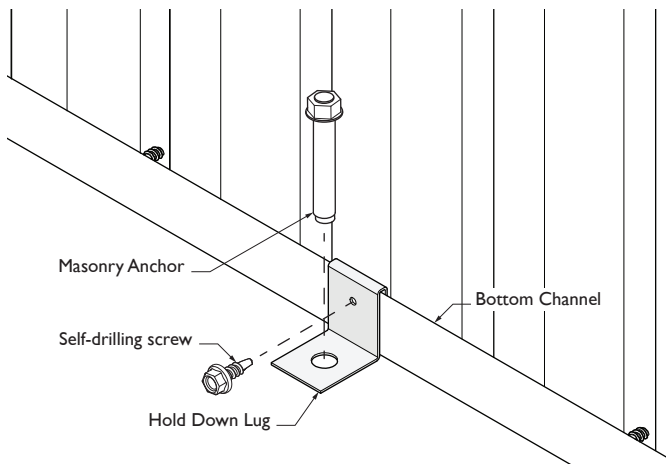


Figure 3.8

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.

Note- Handi-Mates™ 8, 9, 10 & 11 are not suitable for N3 wind regions.

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

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

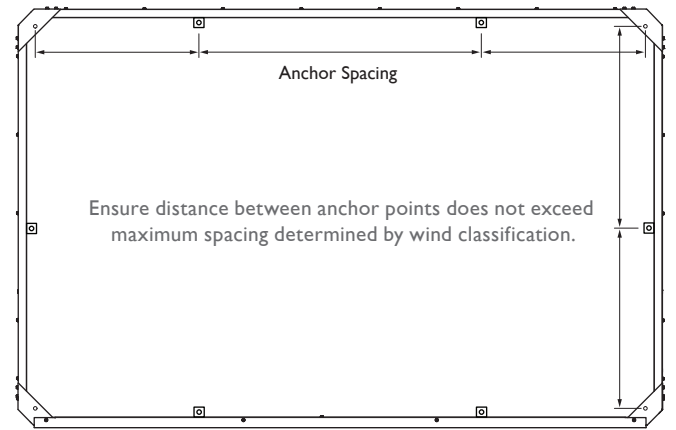


Figure 3.9

ROOF ASSEMBLY

Note: Handi-Mate™ 8, 10 & 11 wall assemblies use a Ridge Beam Joiner. All Roof Assemblies are otherwise installed in the same manner.

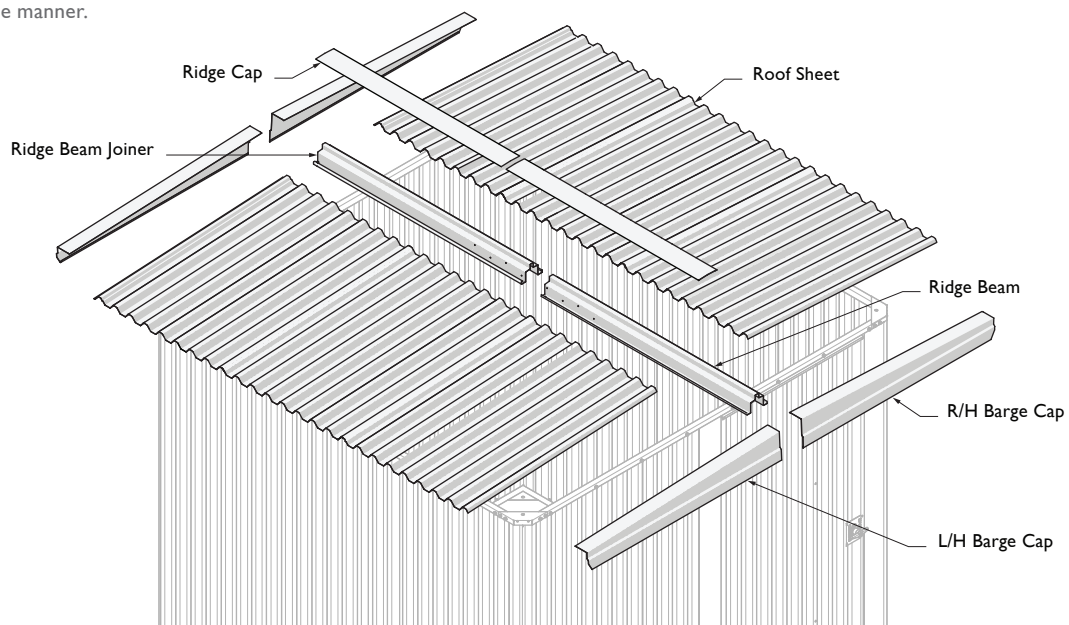


Figure 4.0

Handi-Mates™ with Ridge Beam Joiner:

Handi-Mates™ 8, 10 & 11 use a Ridge Beam and Ridge Beam Joiner.

With the ends that have pre-punched holes facing each other, slide the Ridge Beam into the Ridge Beam Joiner (Figure 4.1)

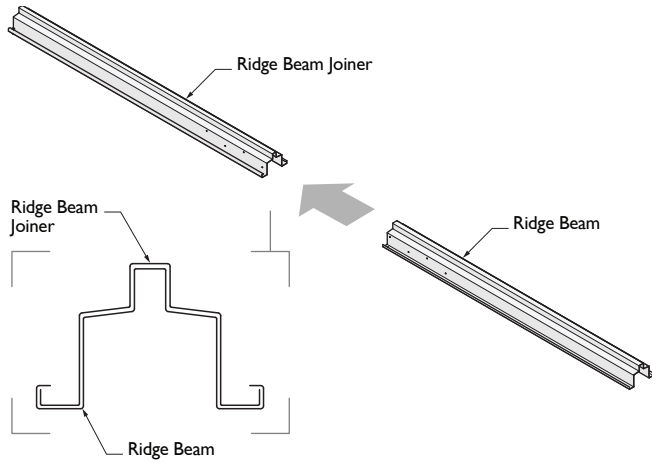


Figure 4.1

Align the pilot holes of the Wall Channel and Wall Channel Joiner. Fix with four 10x16 self-drilling screws on both sides (Figure 4.2).

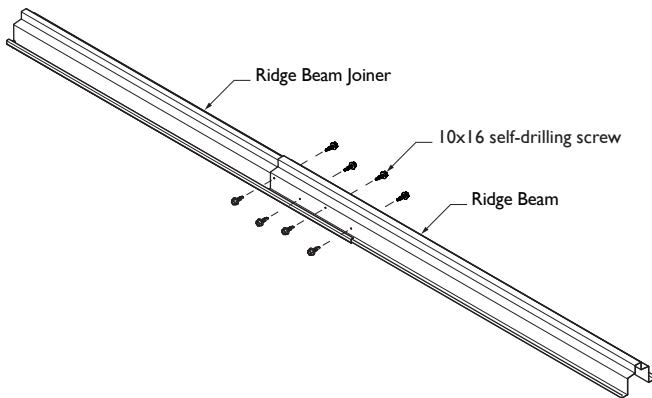


Figure 4.2

Find the centre point of the shed by halving its overall width. Align the centre of the Ridge Beam along this point (Figure 4.3).

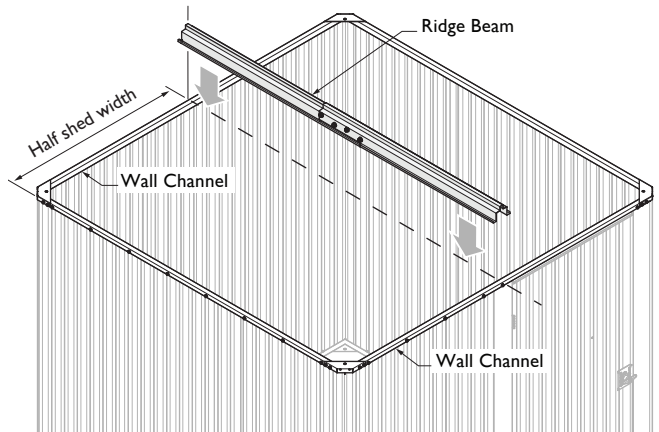


Figure 4.3

Align the end of the Ridge Beam with the outer face of the Wall Channel. Fasten the Ridge Beam to the Wall Channels using two 10x16 self-drilling screws through pilot holes in both ends (Figure 4.4).

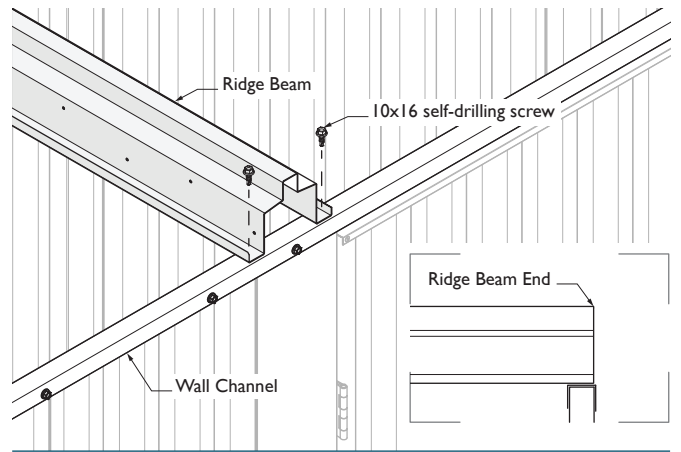


Figure 4.4

Use an adjustable spanner to turn up the pans at the ridge end of the roof sheets (Figure 4.5). This will prevent water flowing back under the sheet.

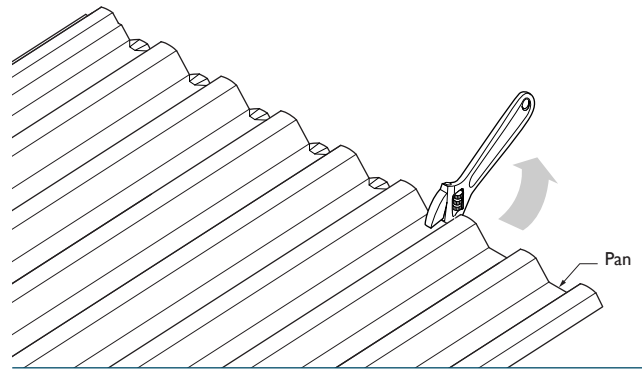


Figure 4.5

Lay the first Roof Sheet onto the Ridge Beam and Wall channel. (Figure 4.6).

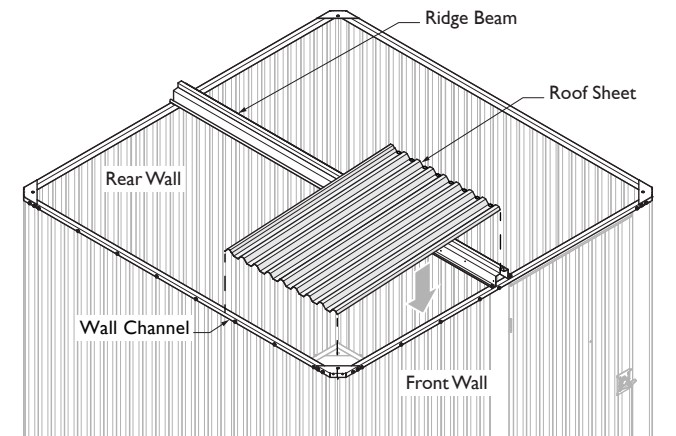


Figure 4.6

Position the end of the Roof Sheet in-line with the end of the Ridge Beam (Figure 4.7). Ensure the under-lap end of the Roof Sheet is facing towards the middle of the shed.

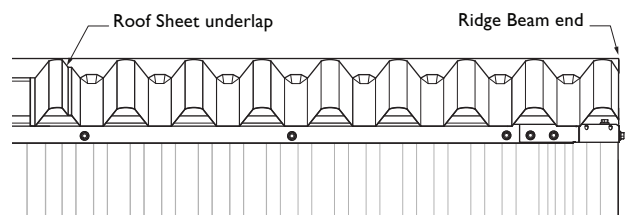


Figure 4.7

Refer to Figure 4.8 for Roof Sheet layout and fastening details.

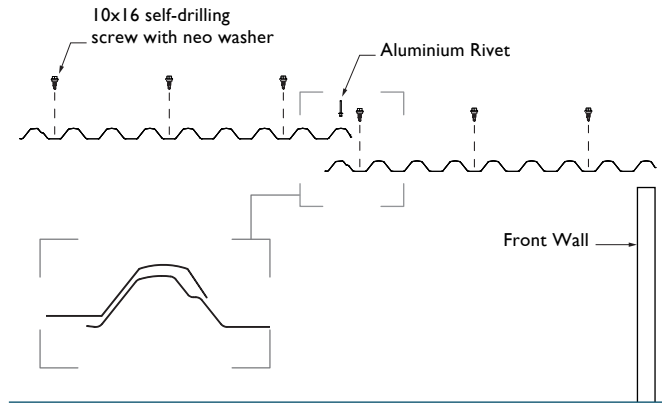


Figure 4.8

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 4.9).

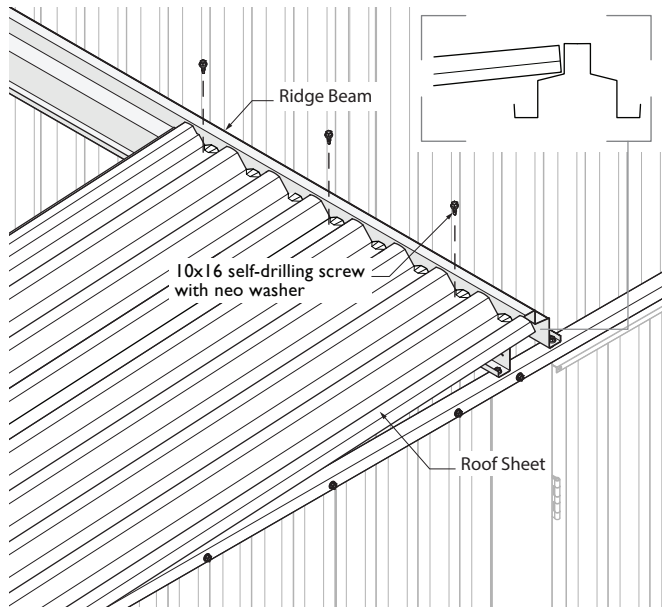


Figure 4.9

Pan fix three 10x16 self-drilling screws with neo washers through the Roof Sheet pans and into the Wall Channel (Figure 4.10).

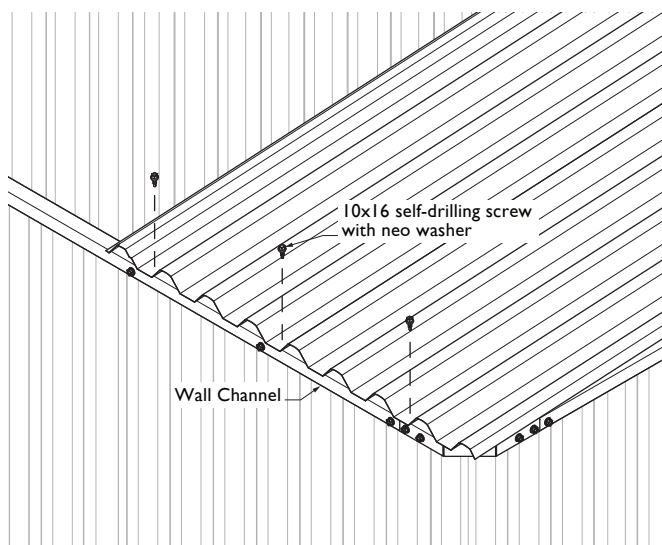


Figure 4.10

Install the remaining Roof Sheets (Figure 4.11). Ensure Roof Sheets are lapped correctly (Refer Figure 4.8)

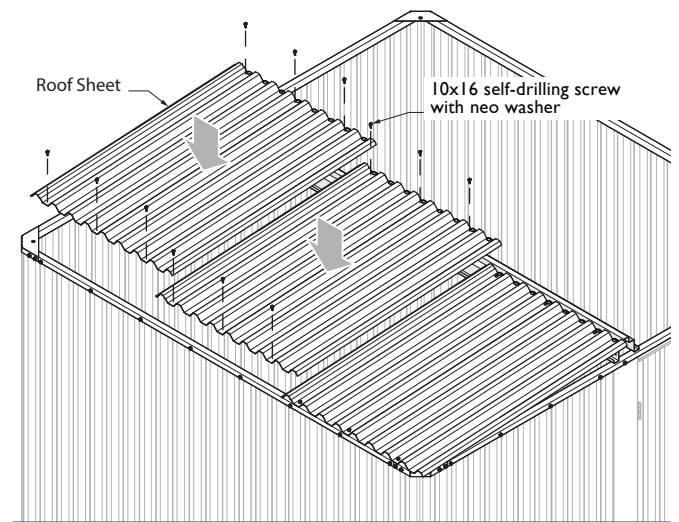


Figure 4.11

Install the opposing side Roof Sheets as per Figure 4.9 - 4.11.

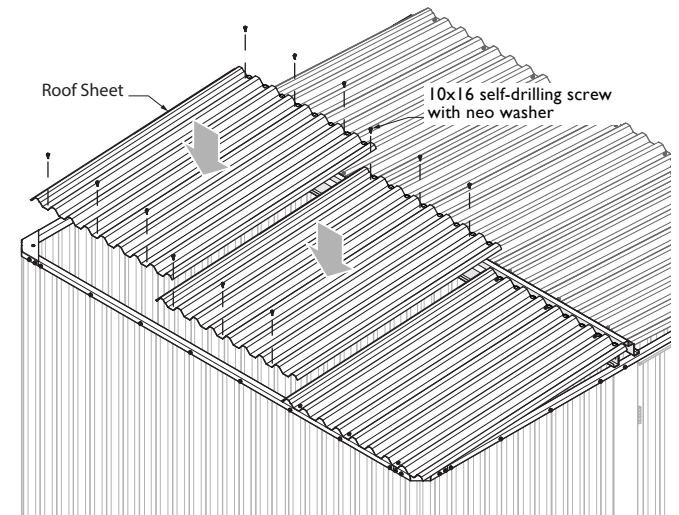


Figure 4.12

Crest-fix adjacent roofing sheets together at mid-span and Wall Channel ends using rivets (Figure 4.13).

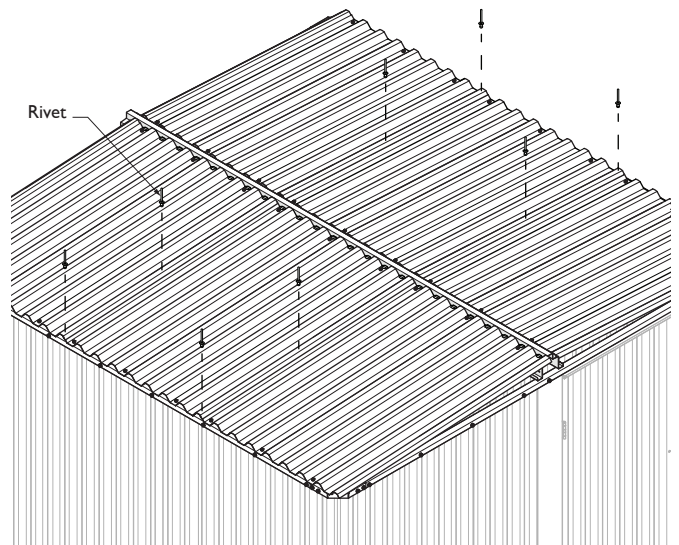


Figure 4.13

Position the Ridge Caps over the Ridge Beam. The outside edge of the Ridge Caps should line up with the outer face of the Wall Channels (Figure 4.14).

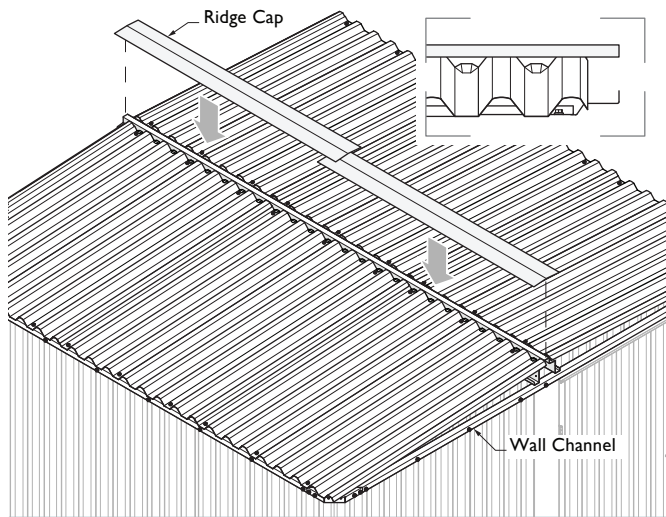


Figure 4.14

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 5.15).

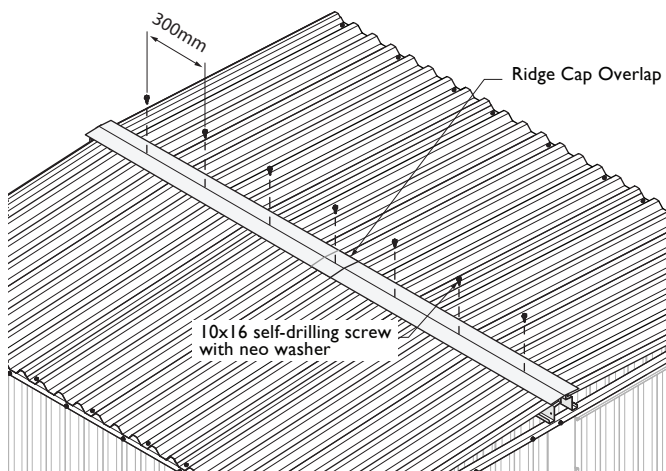


Figure 4.15

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 Roof Sheet ends (Figure 4.16).

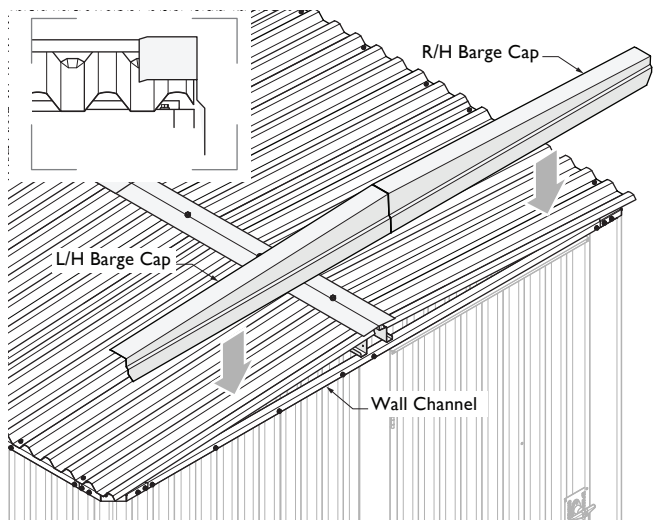


Figure 4.16

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 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 4.17).

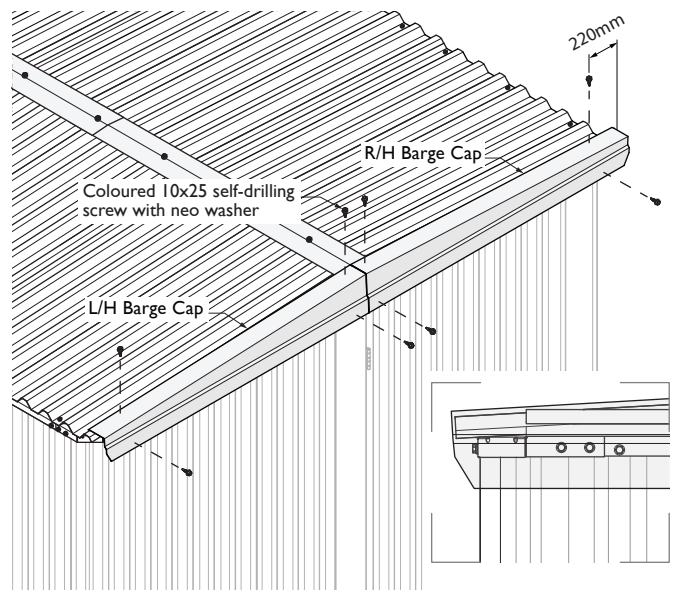


Figure 4.17

Place the remaining left & right Barge Caps over the roof sheets at the rear of the shed. Install the Barge Caps as per Figure 4.16 - 4.17.

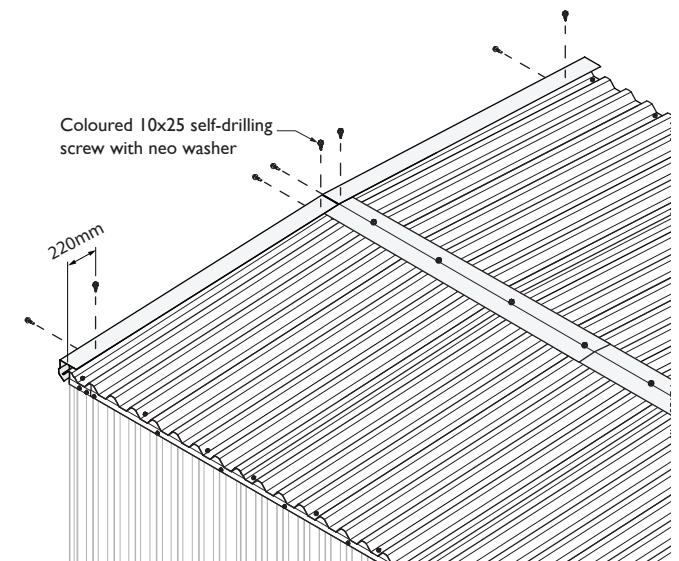


Figure 4.18

WINDOW INSTALLATION

Stratco Shed Windows are an optional add-on, available 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).

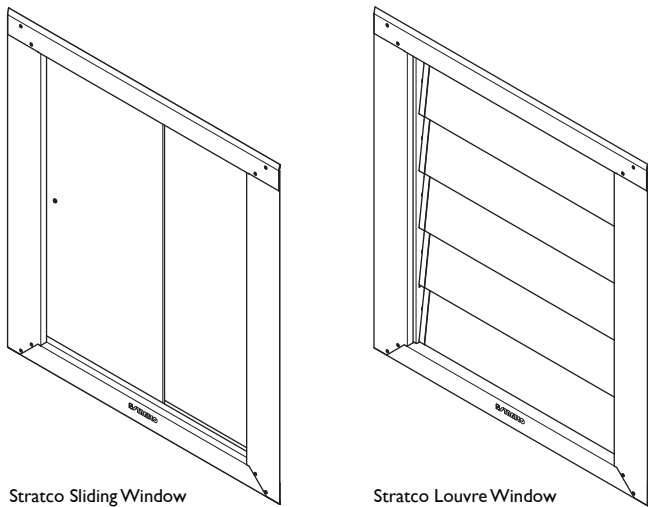


Figure 5.0

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

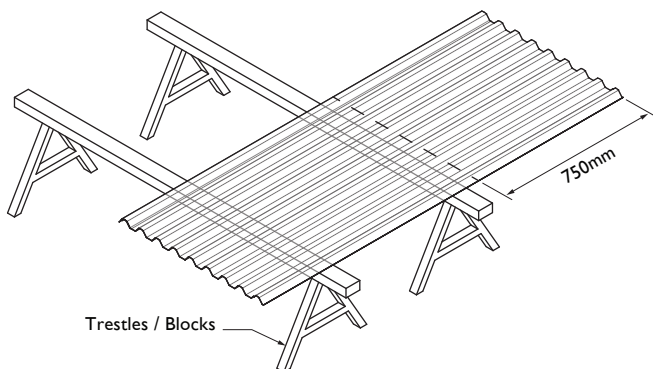


Figure 5.1

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

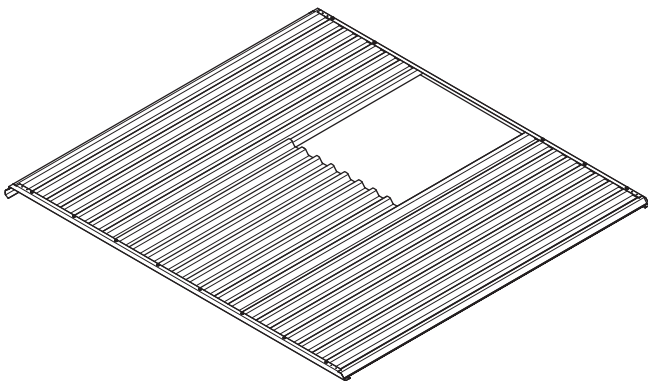


Figure 5.2

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).

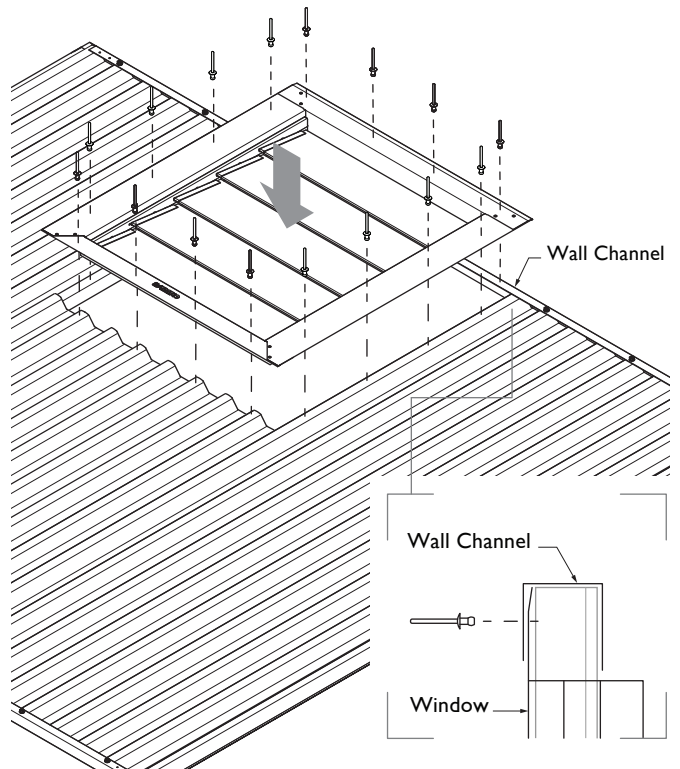


Figure 5.3

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).

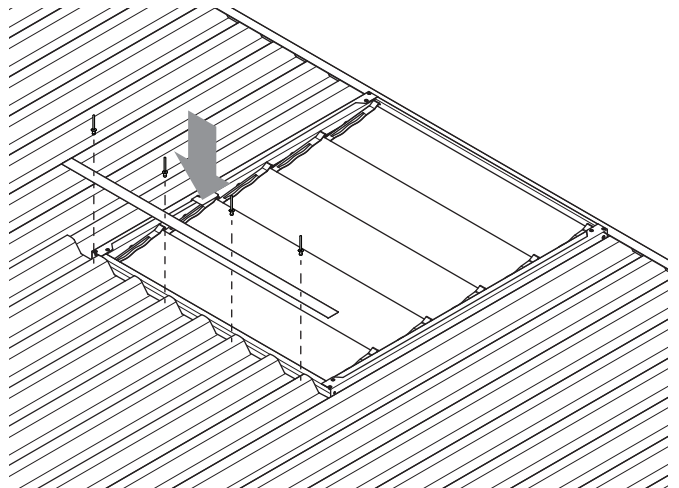




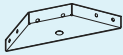





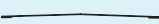


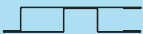
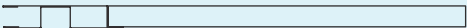

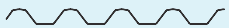
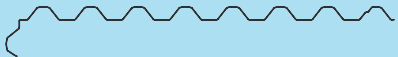








Figure 5.4

SHED MAINTENANCE

Your Stratco Handy-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 Handy-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 Handle Tongue	HMDTHDR
	Corner Bracket	HMCB
	Door Shroud	HMDSHDRBO
	Wall Channel - 700mm	HMWC700
	Wall Channel - 1400mm	HMWC1400
	Wall Channel - 1750mm	HMWC1750
	Wall Channel - 2100mm	HMWC2100
	Wall Channel Joiner	HCHJ
	Barge Cap - Left Hand Side	HMBCHDRL
	Barge Cap - Right Hand Side	HMBCHDRR
	Ridge Cap	HMRC
	Ridge Beam	HMRB
	Ridge Beam Joiner	HRBJ
	Door Jamb	HMDJHDC
	Complete Door & Jamb Assembly	HDJAHDC
	Roof Sheet	SSPHMRS
	Split Wall Sheet	SSPHMSW
	Corner Wall Sheet	SSPHMWSCNR
	Wall Sheet	SSPHMWS
	Hold Down Lug	HMHL
	Masonry Anchor	MAA847
	Rivet	RIV4-3
	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



« Scan this QR code with your smart phone to find a Stratco near you.
 QUEENSLAND • NEW SOUTH WALES • VICTORIA
 AUSTRALIAN CAPITAL TERRITORY • SOUTH AUSTRALIA
 WESTERN AUSTRALIA • NORTHERN TERRITORY

All brands and logos/images accompanied by © or ™ are trade marks of Stratco (Australia) Pty Limited.

Ph: 1300 155 155
stratco.com.au