INSTALLATION GUIDE
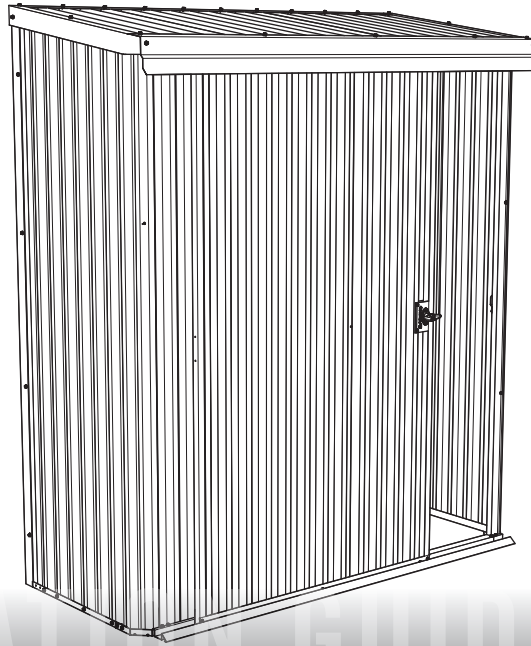
BEFORE YOU START

- 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.

- There are different types and colours of screws. Ensure that the right type and colour screw is being used at each location.

- Use heavy gloves when handling steel sheeting and flashings and never attempt to install a shed in windy conditions.

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

- Stability and performance of the shed relies on the door being closed during high wind events.

- It is essential to clear and level the site prior to assembling your Stratco Handi-Mate™ Shed.

- Do not traverse the roof of the Handi-Mate™.

- The installer is responsible for ensuring the wall, slab or concrete pads are sufficient to support the shed and sustain wind loading. Do not directly anchor your shed to pavers. All Stratco Handi-Mate™ Off the Wall Sheds must be securely bolted to a permanent concrete base and brick or concrete wall with sufficient masonry anchors as specified in Figure 7.5 to prevent wind uplift.

    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.

- Where necessary, components are marked with a coloured sticker as to easily differentiate one from another. Components are referenced throughout the installation guide by their colour. For example, Bottom Channel is marked with a red ● sticker.

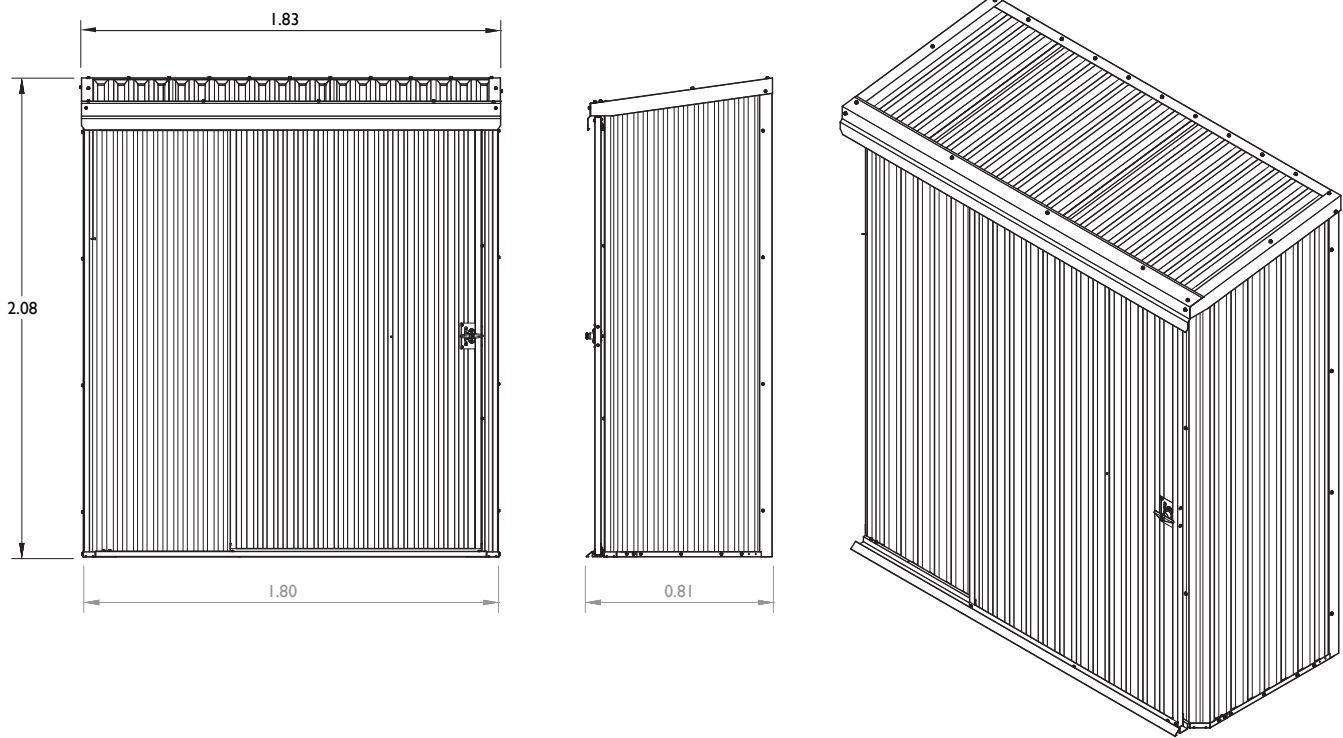# HANDI-MATE™ OFF THE WALL HM1 SLIDING DOOR SHED

HANDI-MATE™ OFF THE WALL HM1 SLIDING DOOR SHED INSTALLATION GUIDE
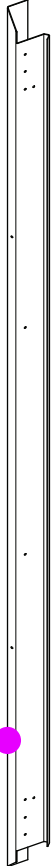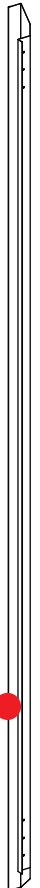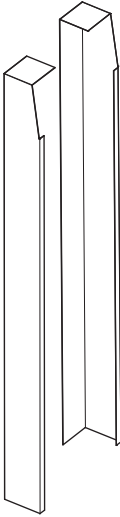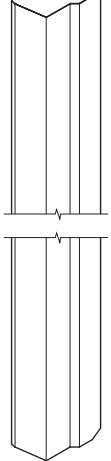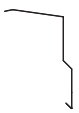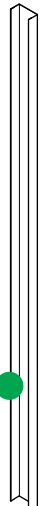
TOOLS REQUIRED

Rivet Gun	Power Drill	Adjustable Spanner	Spirit Level	PH2 Phillips Head Bit (Supplied)	5/16 - 8mm Hex Head Bit (Supplied)	3.5mm Bit (Supplied) 12mm Bit 10mm Masonry Bit

Caulking Gun & Silicone	Gloves	Safety Glasses	Step Ladder	2 x Trestles	Tape Measure

HANDI-MATE™ DIMENSIONS

1.83

2.08

1.80

0.81

COMPONENTS

Wall Mount Channel x 2	Roof Mount Channel x 1	Gutter x 1	Sliding Rail x 1	Bottom Channel x 1	Runner Rail x 1	Wall Channel x 4

Left Barge Cap x 1 Right Barge Cap x 1	Front Barge Cap x 1	Top Door Channel x 1	Bottom Door Channel x 1	Door Shroud x 1	Vertical Door Channel x 2	Door Jamb x 2

COMPONENTS

Split Door Sheet
x 1

Door Sheet
x 1

Corner Wall Sheet
x 1

Side Wall Sheet
Left x 1
Right x 1

Roof Sheet
Full x 2
Half x 1

Door Wheel
x2

Door Nut
x2

Door Stop
x1

Corner Bracket
x4

Handle Mount
x2

Door Handle
x 1

Door Tongue
x 1

Door Latch
x 1

Hold Down Lug
x 1

Coloured Rivet
x 6

M8x47 Masonry Anchor
x 12

10x16 Wafer-Head Screw
x 26

10x22 Wafer-Head Screw
x 1

10x16 Hex-Head Screw
x 60

Coloured 10x16 Hex-Head Screw (with neo washer)
x 43

ASSEMBLY HANDY HINTS

The 'Sheet Crest', as referenced throughout this guide, refers to the curved top faces of the sheet (Figure 1.0).
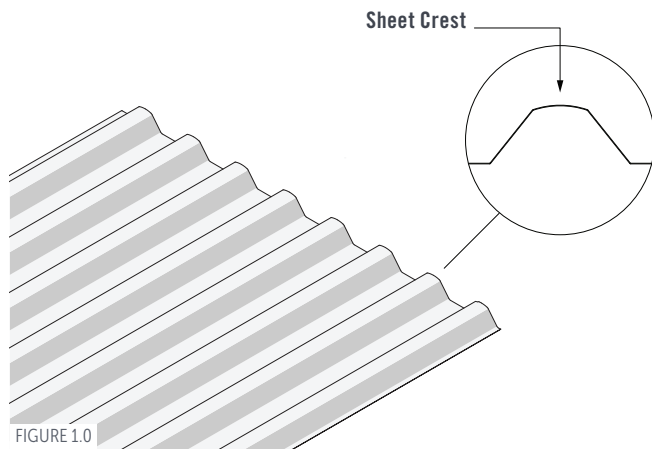
When assembling the Wall and Door Sheets, lay the sheets down on trestles/blocks (Figure 1.1). This will make assembly easier and reduce the risk of damage to components.

Sheet Crest

FIGURE 1.0

Trestles / Blocks
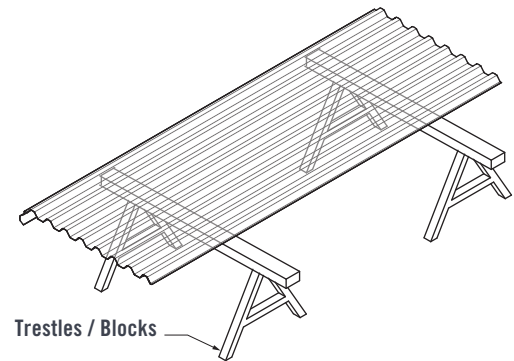
FIGURE 1.1

(Optional) Drainage holes can be drilled to help trapped water flow out of the bottom Wall Channels. After assembling the Walls, drill 6mm holes spaced approximately 350mm apart through the bottom Wall Channels of each Wall. Ensure holes are located in-between Sheet crests. Ensure metal filings are removed from the channels as to prevent rust spots from forming (Figure 1.2).

Drain Hole

350mm

Wall Channel
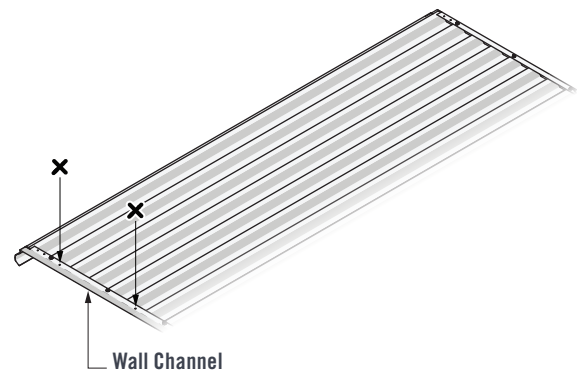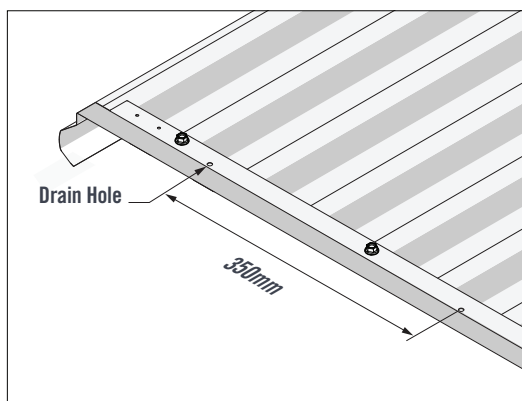
FIGURE 1.2

RIGHT SIDE WALL ASSEMBLY
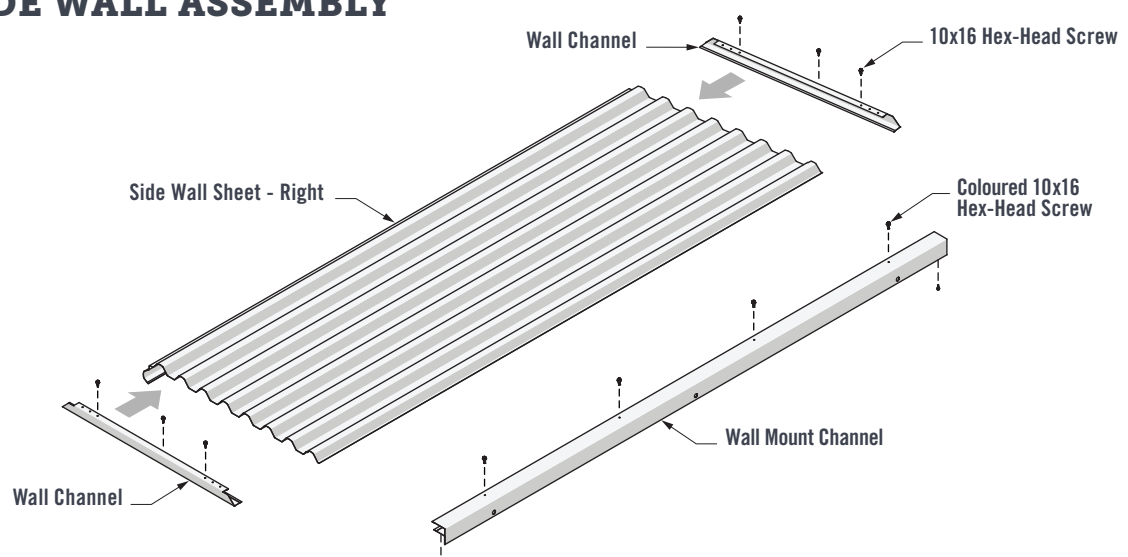
Wall Channel

10x16 Hex-Head Screw

Side Wall Sheet - Right

Coloured 10x16 Hex-Head Screw

Wall Channel

Wall Mount Channel

FIGURE 2.0

Using Trestles or Blocks to support the Sheets, lay the Corner Wall Sheet down. Note: the top of the Side Wall Sheets are cut on an angle (Figure 2.1).

Side Wall Sheet is cut on angle
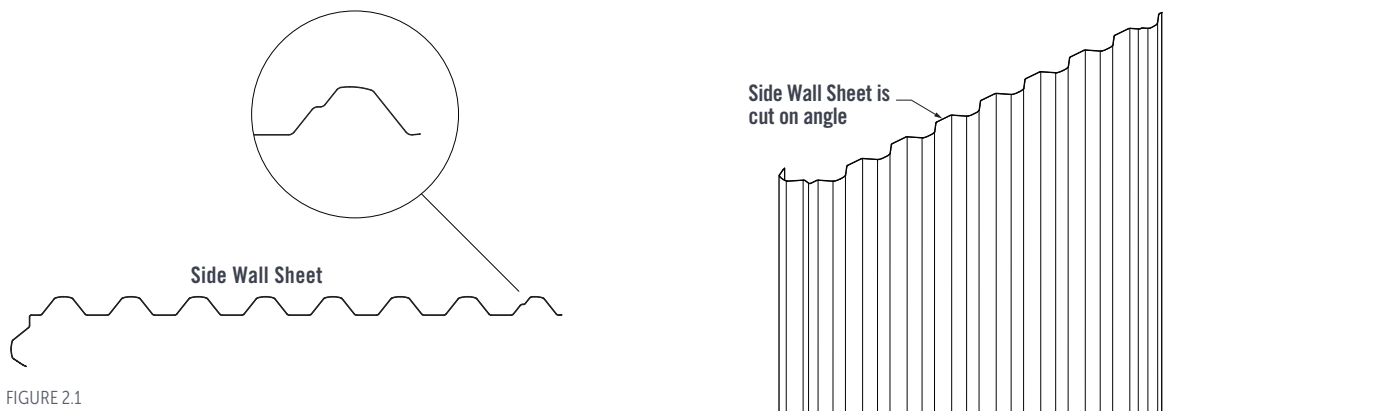
Side Wall Sheet

FIGURE 2.1

1. Fit the Wall Channels over the Side Wall Sheet (Right). The end of the Wall Channel should fit up against the end of the Corner Wall Sheet (Figure 2.2).

2. Fasten through the third pilot hole of both Wall Channel ends and into the Wall Sheet crests. Fasten through the Wall Channels and into the third Wall Sheet crest using one 10x16 Hex-Head Screw in each Wall Channel (Figure 2.2).

Wall Channel

10x16 Hex-Head Screw

Side Wall Sheet - Right

Wall Channel

1.

2.

2.
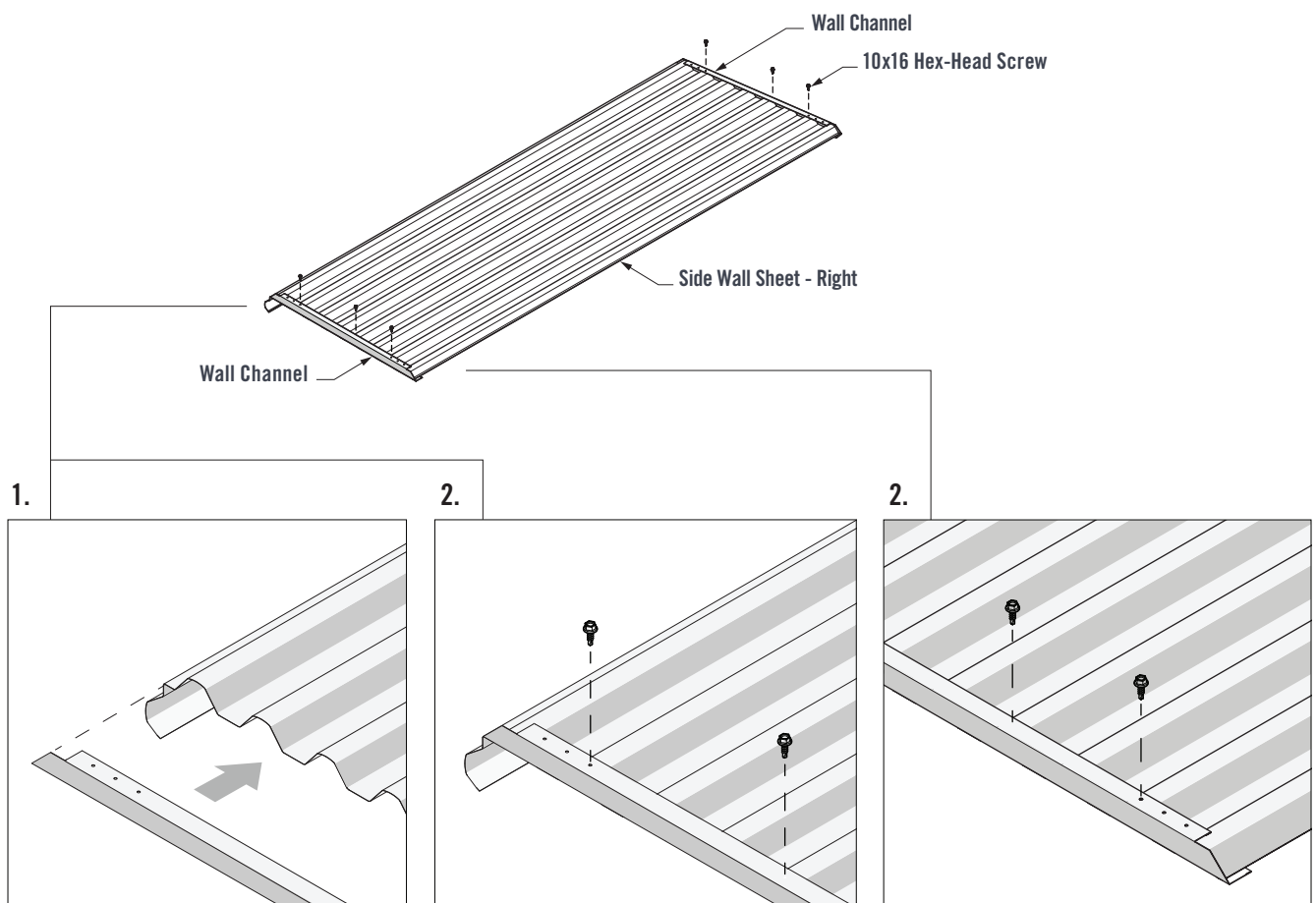
FIGURE 2.2

1. Fit the Wall Mount Channel over the Side Wall Sheet (Right). The end of the Wall Mount Channel should fit up against the end of the Wall Channel (Figure 2.3).

2. Fasten six Coloured 10x16 Hex-Head Screws through the pilot holes of the Wall Mount Channel and into the Side Wall Sheet (Right) and Wall Channels (Figure 2.3).

Wall Channel

Coloured 10x16 Hex-Head Screw

Side Wall Sheet - Right

Wall Mount Channel

Wall Channel

1.

2.
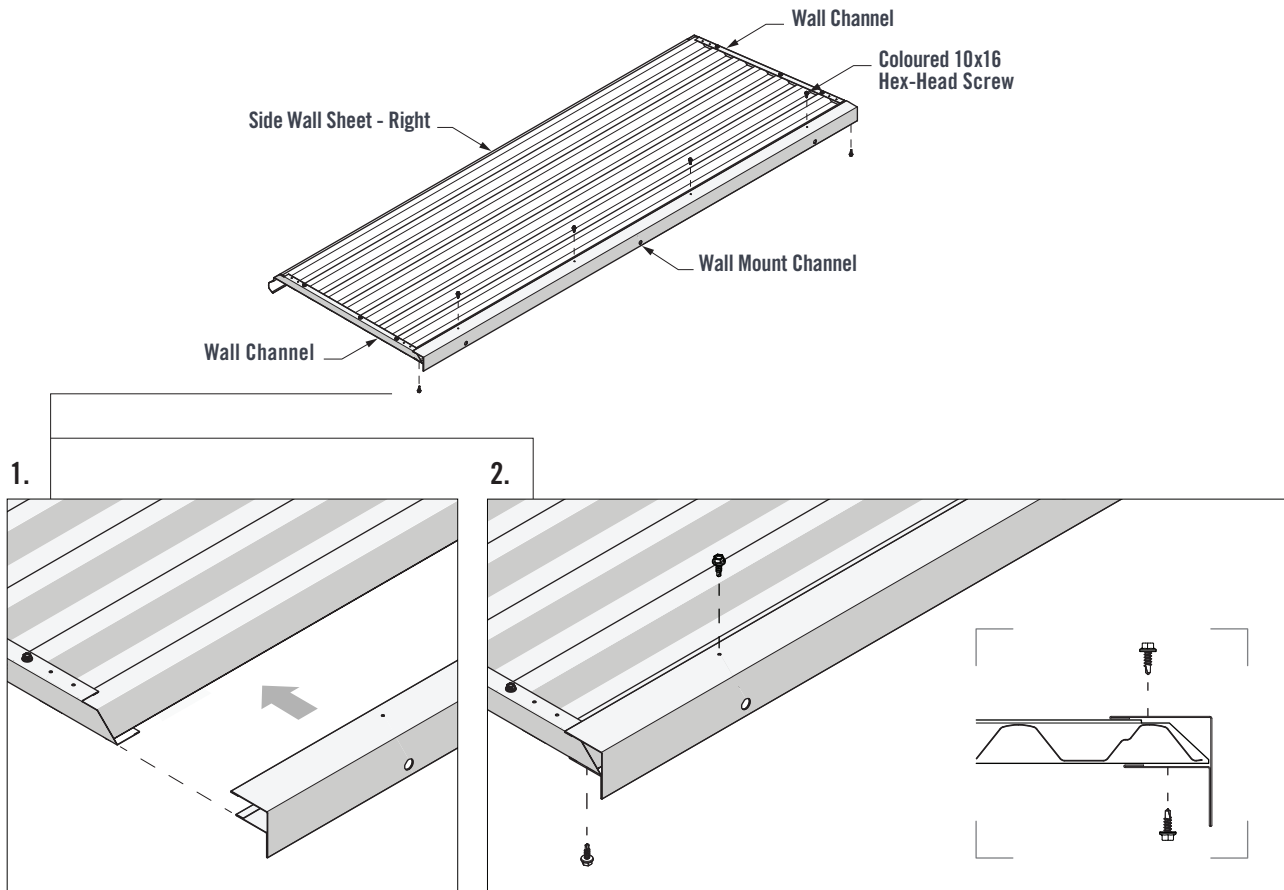
FIGURE 2.3

LEFT SIDE WALL ASSEMBLY

Repeat steps in Figures 2.0 - 2.3 to make a Left Side Wall Assembly.

Wall Channel

10x16 Hex-Head Screw

Wall Mount Channel

Side Wall Sheet - Left

Wall Channel

Left Side Wall Assembly

Right Side Wall Assembly
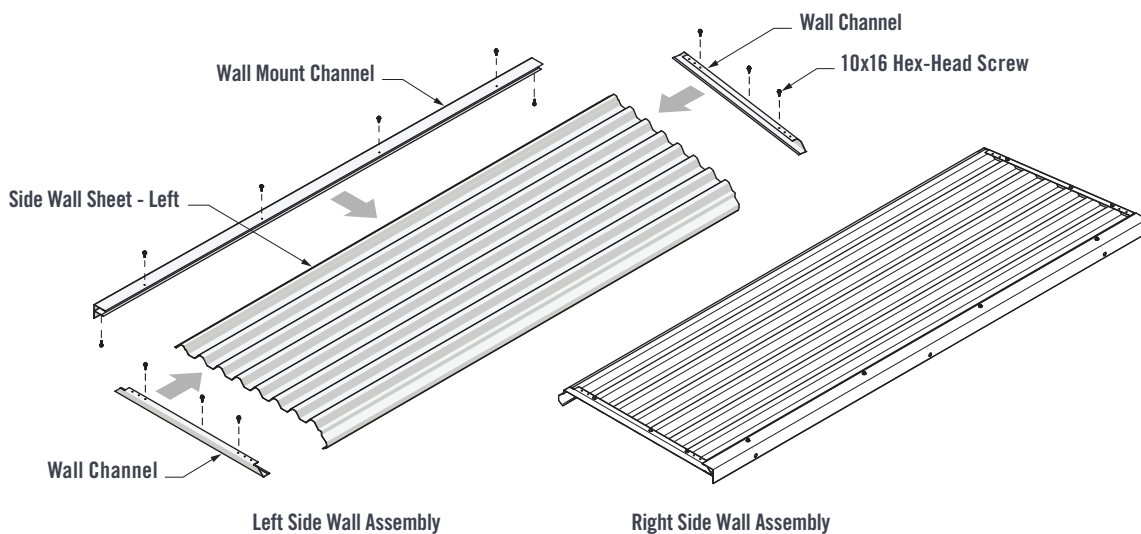
FIGURE 3.0

FRONT WALL ASSEMBLY
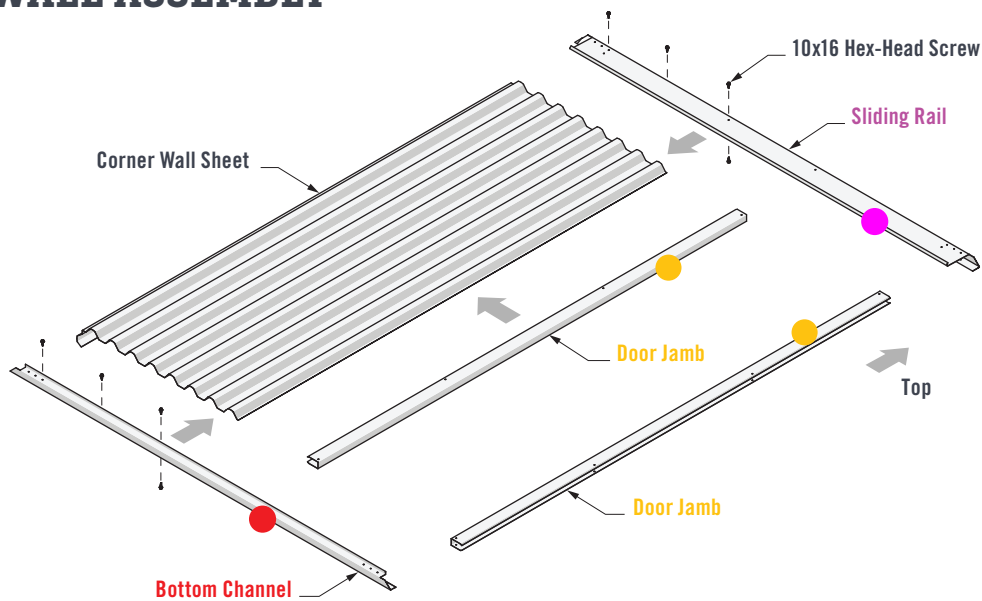
FIGURE 4.0

Using Trestles or Blocks to support the Sheets, lay the Corner Wall Sheet down (Figure 4.1).
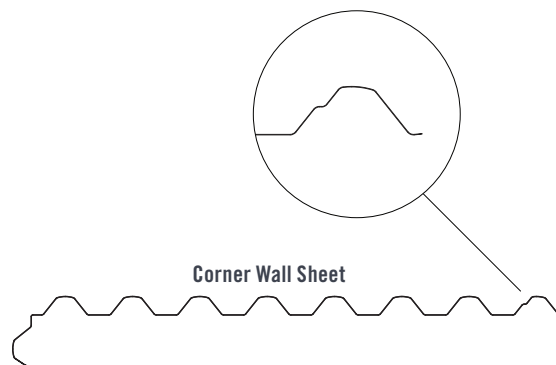
Corner Wall Sheet

FIGURE 4.1

1. Fit the Bottom Channel and Sliding Rail over the Corner Wall Sheet. The end of the Bottom Channel and Sliding Rail should fit up against the ends of the Corner Wall Sheet (Figure 4.2).

2. Fasten one 10x16 Hex-Head Screw through the third pilot hole of the Bottom Channel and Sliding Rail and into the Corner Wall Sheet crest. Fasten one 10x16 Hex-Head Screw through the Bottom Channel and Sliding Rail and into the third Corner Wall Sheet crest (Figure 4.2).

FIGURE 4.2

FIGURE 4.2

1. Fit the Door Jamb over the Corner Wall Sheet, ensuring it sits inside the Bottom Channel and Sliding Rail (Figure 4.3).

2. Fasten two 10x16 Hex-Head Screws through the pilot holes of the Sliding Rail and into the Door Jamb. Fasten two 10x16 Hex-Head Screws through the Bottom Channel and into the Door Jamb (Figure 4.3).
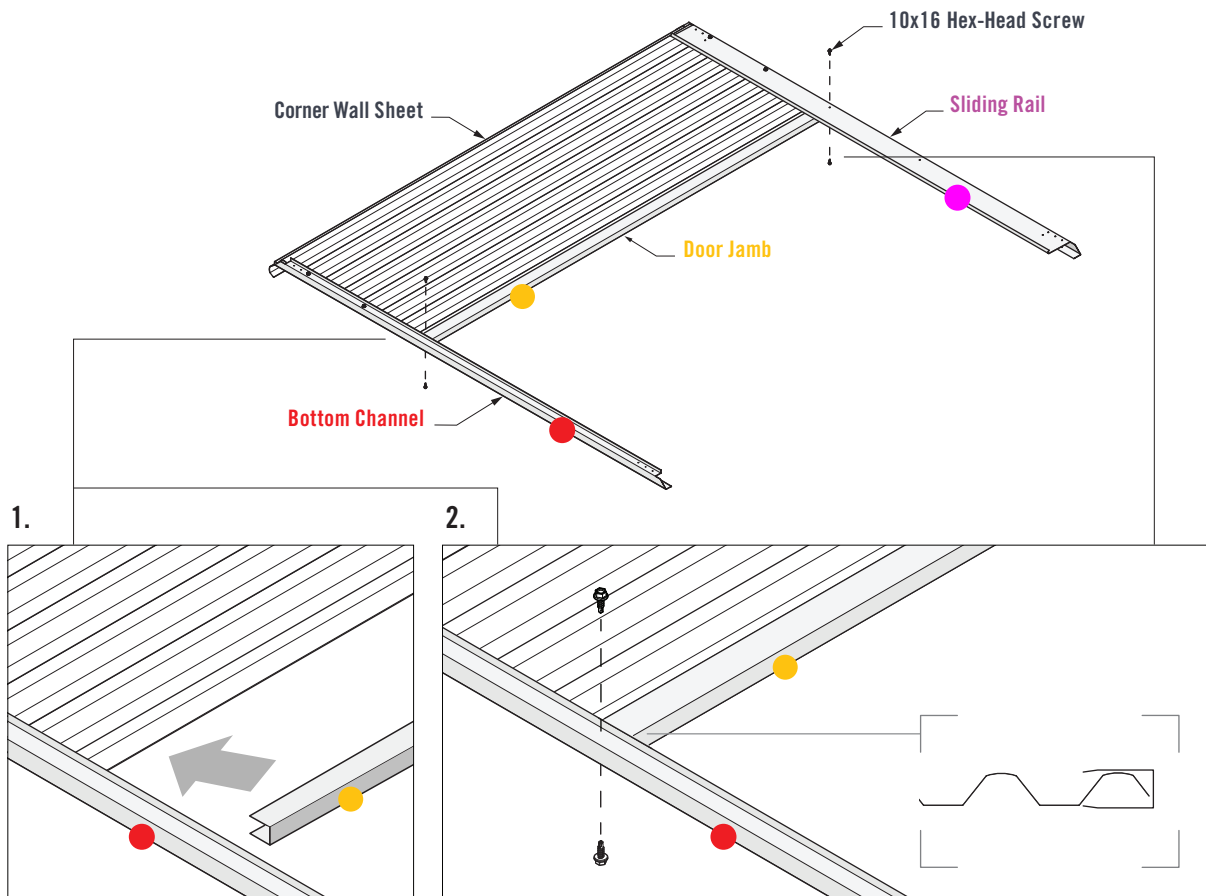
FIGURE 4.3

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 4.4).

Sliding Rail

Approx. 150mm

Bottom Channel

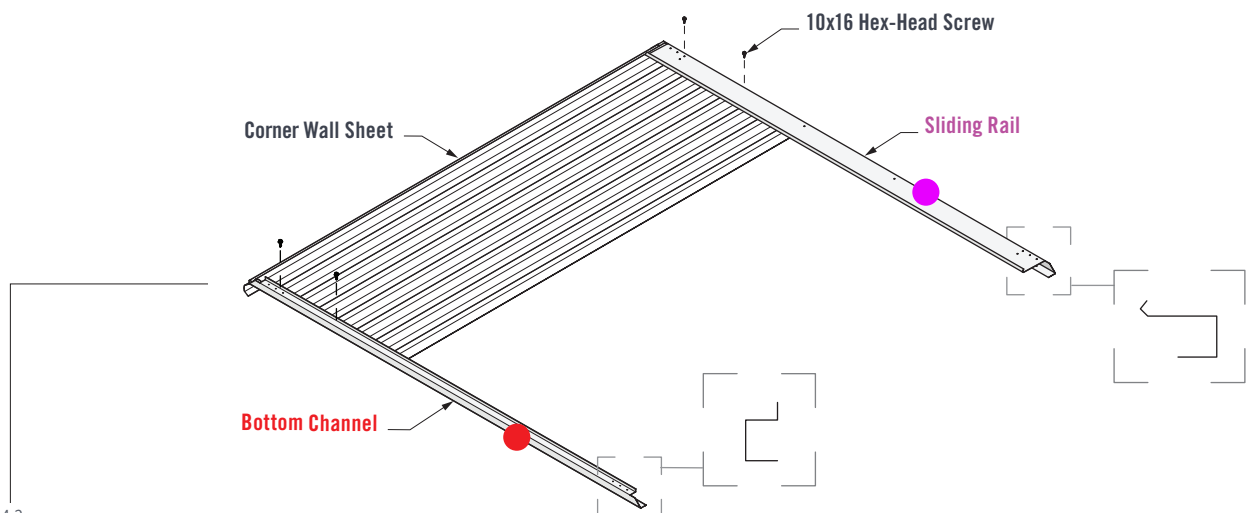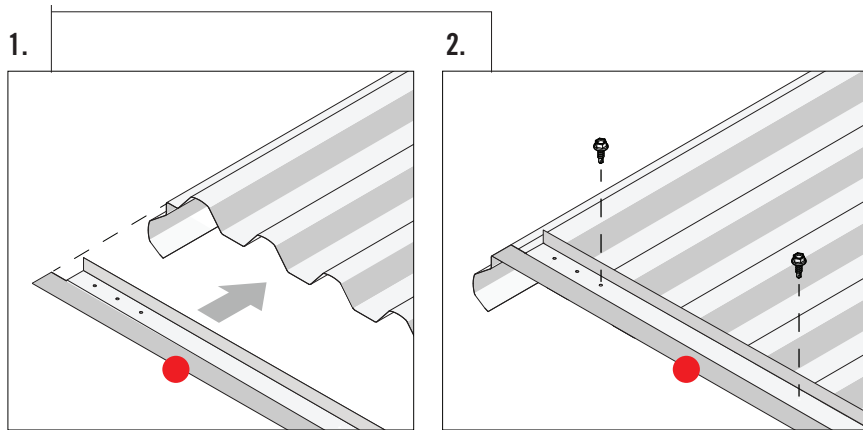Door Jamb

FIGURE 4.4

DOOR ASSEMBLY

Vertical Door Channel

Top Door Channel

Door Nut

Door Sheet

Door Wheel

Vertical Door Channel

Handle Mount

Rivet

Split Door Sheet

10x16 Hex-Head Screw

Bottom Door Channel

10x16 Wafer-Head Screw
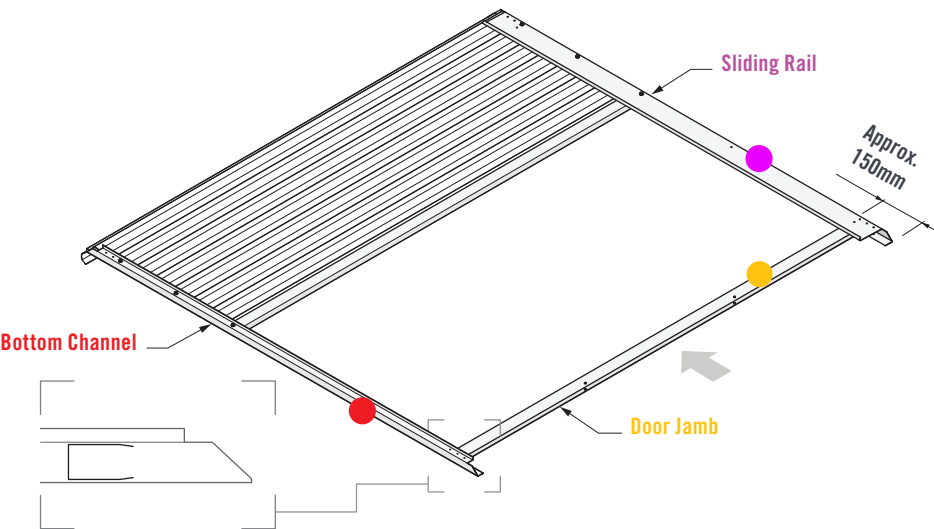
FIGURE 5.0

Fix the two Door Wheels to the Top Door Channel using Door Nuts (Figure 5.1).

Fit the two Handle Mounts into the Vertical Door Channel (Figure 5.2). The two Handle Mounts are the same component, so can be installed in either order.

Door Nut

Top Door Channel

Door Wheel

FIGURE 5.1

Handle Mounts

Vertical Door Channel

FIGURE 5.2

Fasten two 10x16 Wafer-Head Screws through the Vertical Door Channel and into the Handle Mounts (Figure 5.3).

Handle Mount

Vertical Door Channel

10x16 Wafer-Head Screws

FIGURE 5.3

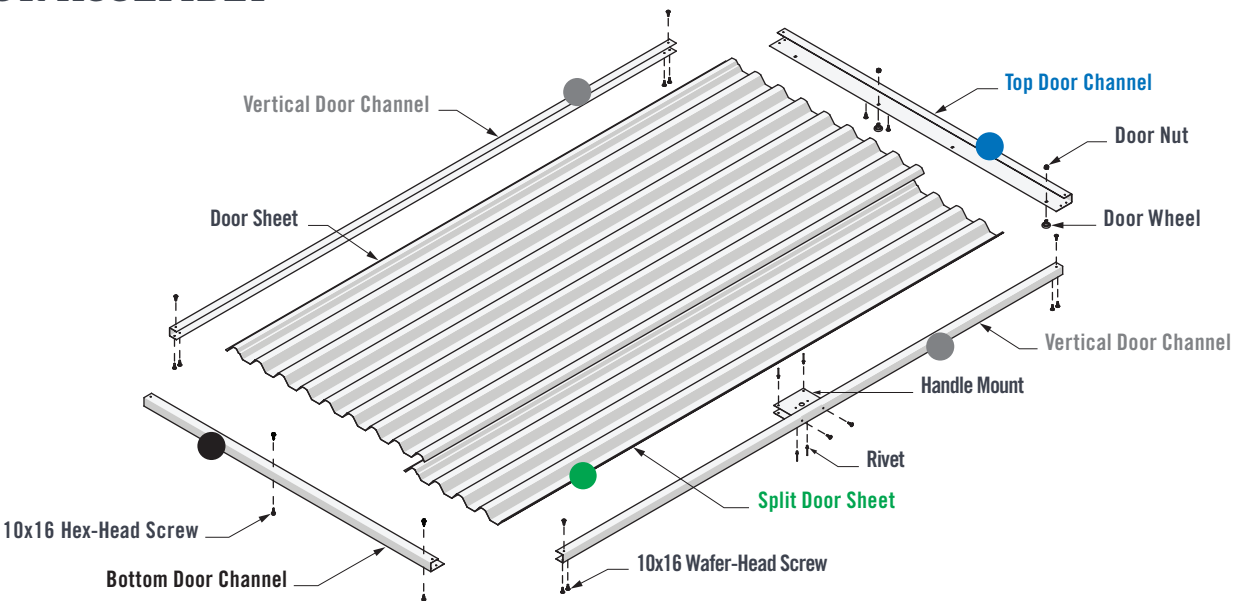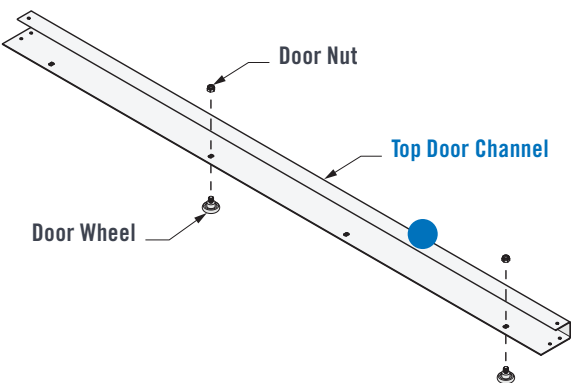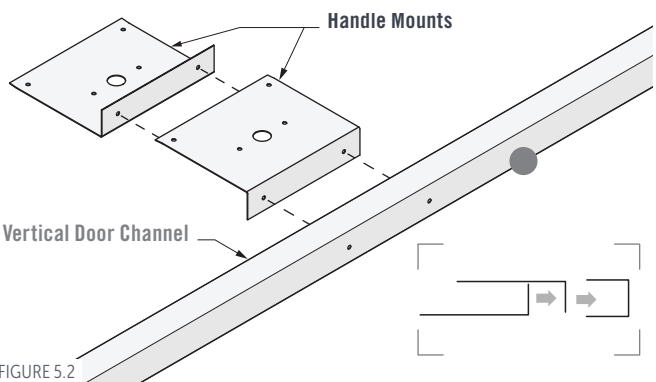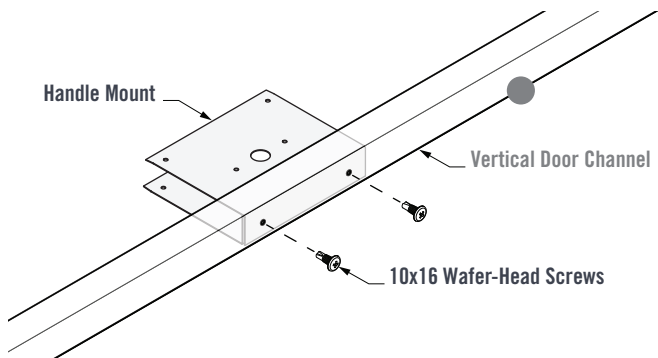Using Trestles or Blocks to support the Sheets, lay down the Split Door Sheet and Door Sheet. Pay attention to lapping details (Figure 5.4).

Sheet 'Overlap'

Sheet 'Underlap'

Door Sheet

Split Door Sheet
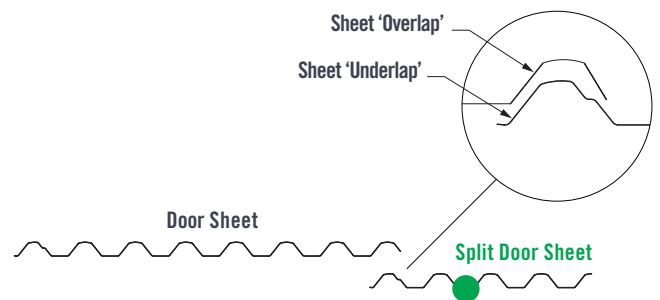
FIGURE 5.4

1. Fit the Vertical Door Channels over the sides of the door sheets, then fit the Top and Bottom Door Channels over the door sheet ends. Ensure the lip of the Top and Bottom Door Channels fit over the Vertical Door Channels (Figure 5.5).

2. Fasten one 10x16 Wafer-Head Screw through the pilot holes in the corner of each Top & Bottom Channel and into the Vertical Door Channels (Figure 5.5).

3. Crest-fix two 10x16 Wafer-Head Screws through the pilot holes in the Handle Mount and into the Split Door Sheet (Figure 5.5).

Vertical Door Channel

Top Door Channel

Door Sheet

10x16 Wafer-Head Screw

Split Door Sheet

Vertical Door Channel

Rivet

Handle Mount

Bottom Door Channel

1.

2.

3.

FIGURE 5.5

1. Fasten a 10x16 Hex-Head Screw into the mid-point of the **Bottom Door Channel**. Ensure the screw is fastened approximately 10mm from the bottom face of the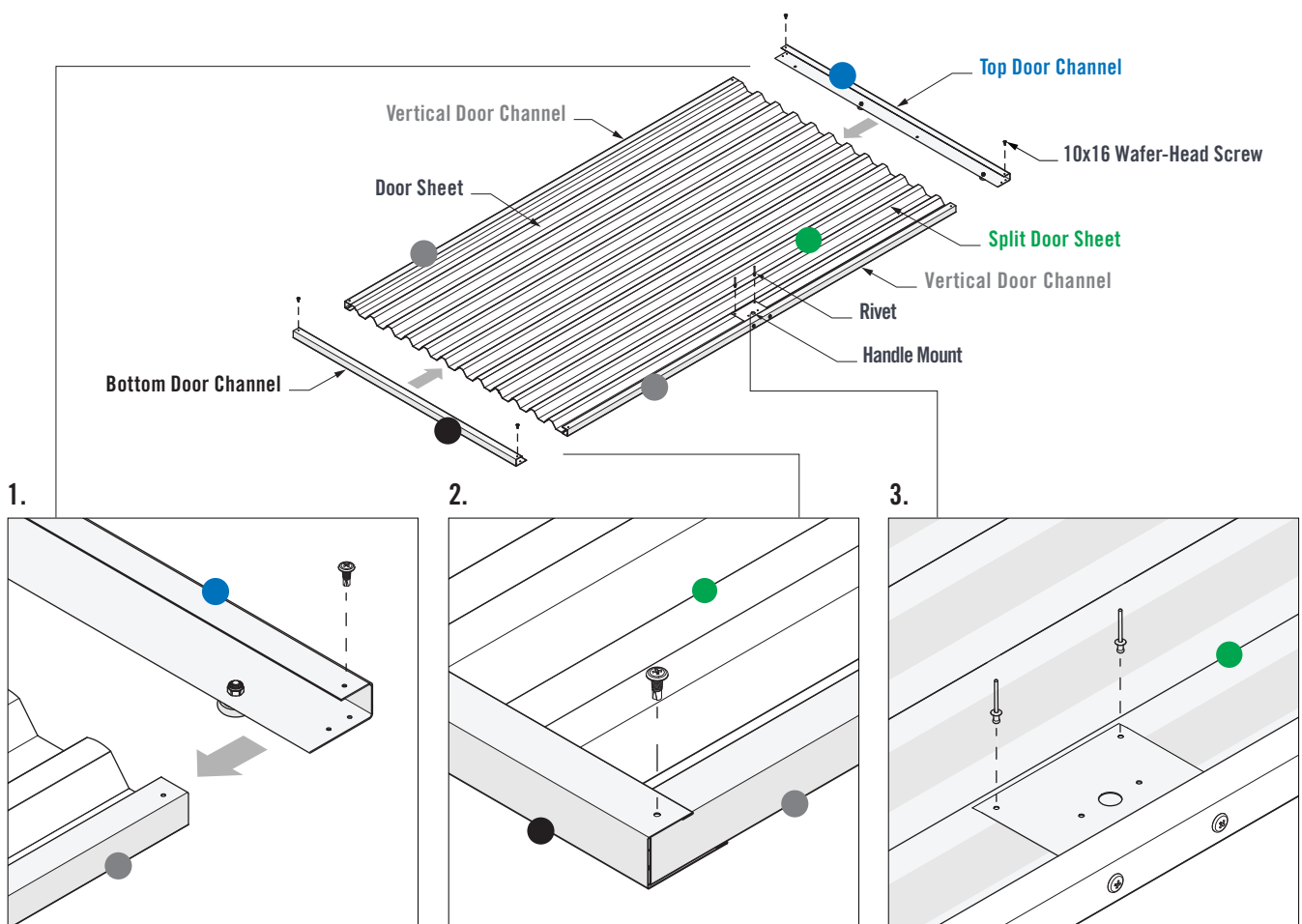 **Channel**. Fasten a 10x16 Hex-Head Screw near the Handle Mount end of the **Bottom Door Channel**. Flip over the Door Assembly so that the underside is now facing up. Fasten two more 10x16 Hex-Head Screws in the same manner on the opposite side of the **Bottom Door Channel** (Figure 5.6).

2. Fasten two 10x16 Wafer-Head Screws through pilot holes in the Handle Mount and into the Door Sheet. Using the holes in the Handle Mounts as a guide, drill a ⌀3.5mm pilot hole, then ⌀12mm hole through the Wall Sheet (Figure 5.6).

3. Fasten two 10x16 Wafer-Head Screws through pilot holes in the Top and **Bottom Door Channel**s and into the Vertical Door Channels at all four corners (Figure 5.6).

4. Fasten a 10x16 Wafer-Head Screw through the Top Door Channel and into the two Sheet Crests on both sides of the Door Wheel (Figure 5.6).
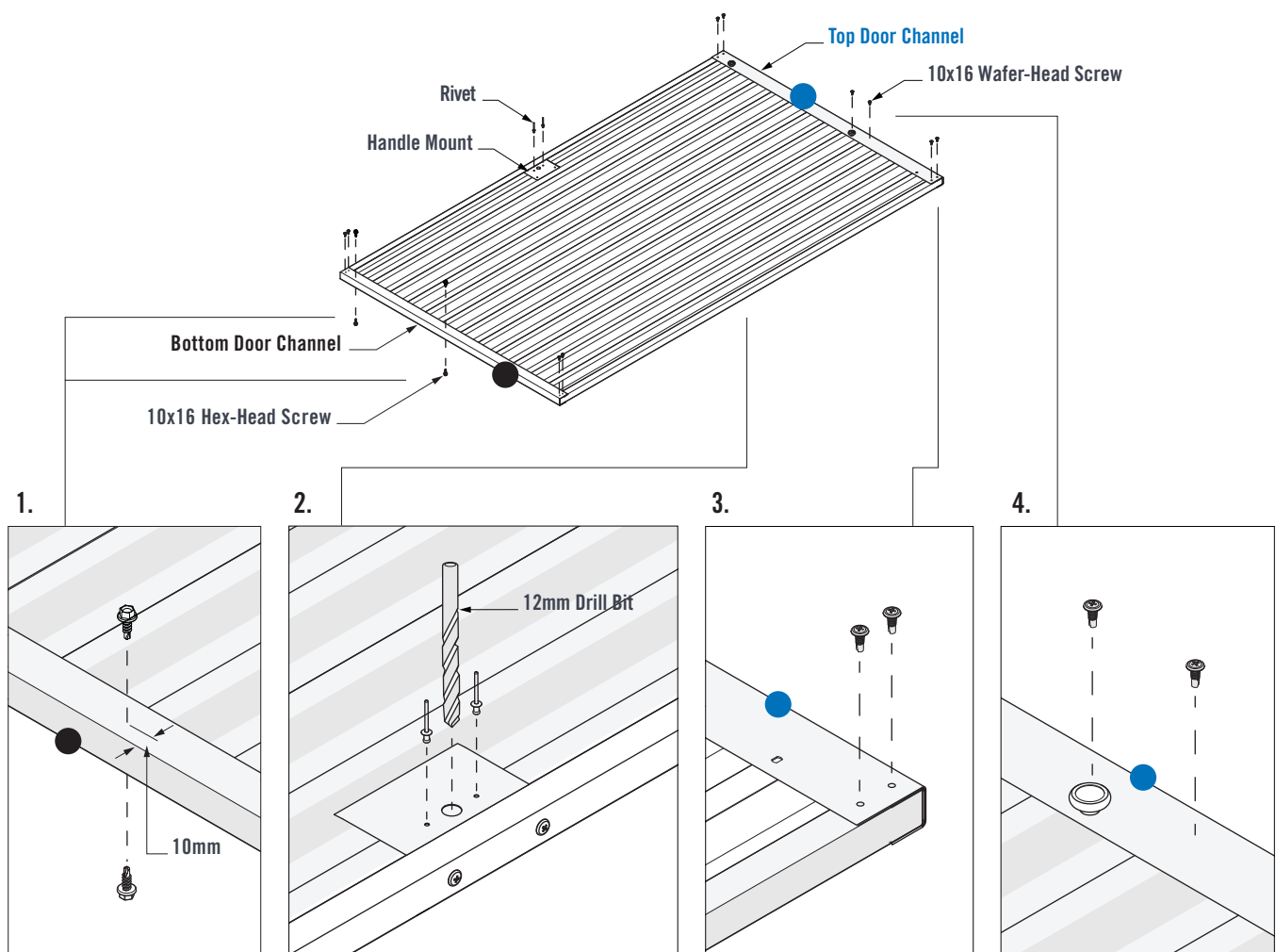
FIGURE 5.6

JOINING WALL ASSEMBLIES

Confirm the location of the Shed against the building wall. Position the Left Side Wall Assembly against the building wall. Use a spirit level to ensure the Wall Assembly it is vertical and square to the wall. Note: the Roof Mount Channel can be used to confirm the correct width of the shed (Figure 6.0).

1. Mark and drill three 10mm holes through the pilot holes of the Wall Mount Channel and into the building wall. Loosely install three M10x47 Masonry Anchors (Figure 6.0).

2. Before tightening the Masonry Anchors, apply a bead of silicone between the Wall Mount Channel and building wall to prevent rain entering the shed (Figure 6.0).
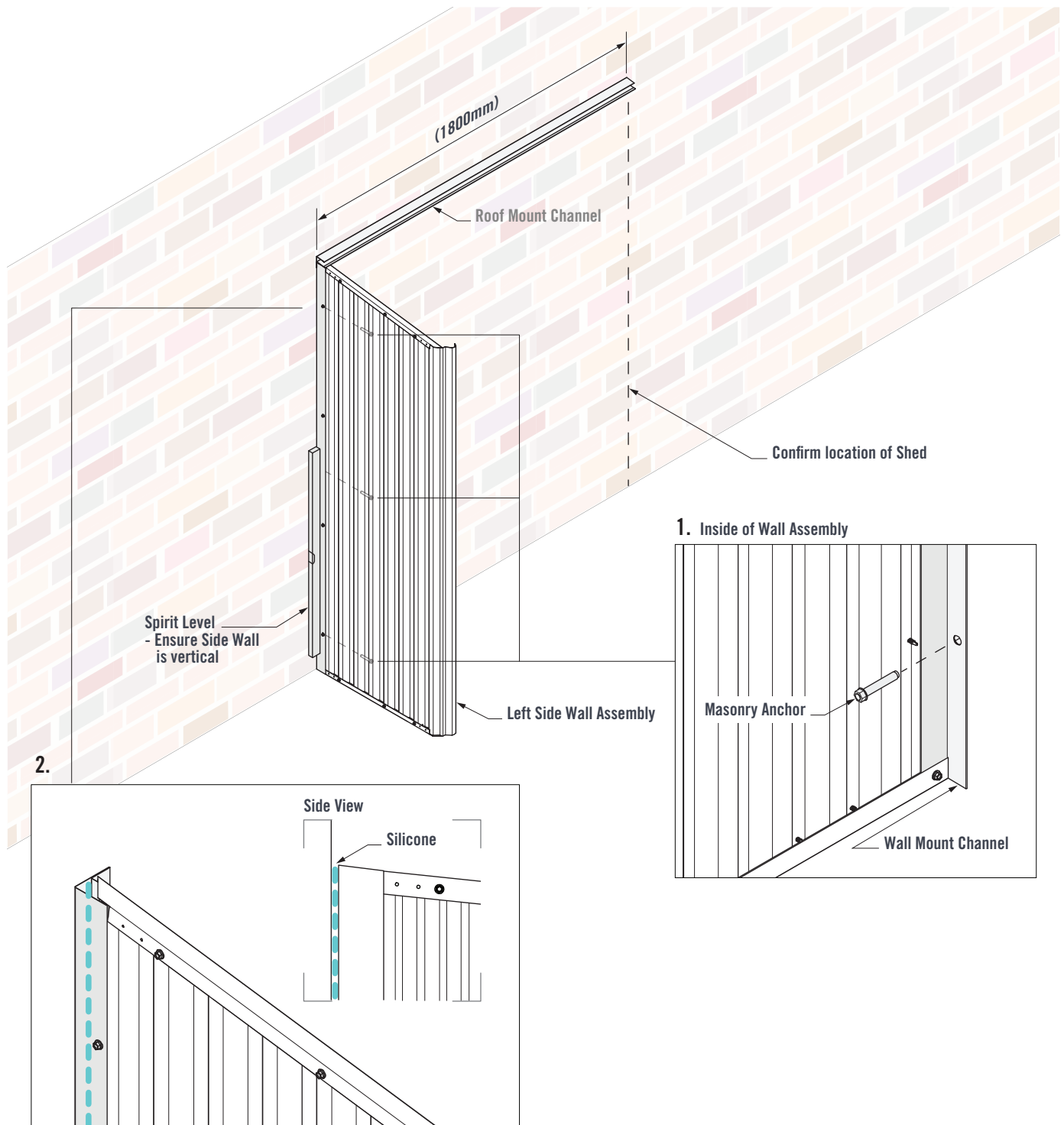
(1800mm)

Roof Mount Channel

Confirm location of Shed

1. Inside of Wall Assembly

Spirit Level
- Ensure Side Wall
  is vertical

Masonry Anchor

Left Side Wall Assembly

Wall Mount Channel

2.

Side View

Silicone

FIGURE 6.0

Position the Right Side Wall Assembly against the building wall. Use a spirit level to ensure the Wall Assembly it is vertical and square to the wall. Use the Roof Mount Channel to set the correct spacing between Side Wall Assemblies (Figure 6.1).

1. Mark and drill three 10mm holes through the pilot holes of the Wall Mount Channel and into the building wall. Loosely install three M10x47 Masonry Anchors (Figure 6.1).

2. Before tightening the Masonry Anchors, apply a bead of silicone between the Wall Mount Channel and building wall to prevent rain entering the shed (Figure 6.1).

Use Roof Mount Channel to set spacing

1800mm

Right Side Wall Assembly

Spirit Level - Ensure Side Wall is vertical

1.

Masonry Anchor

Wall Mount Channel

2.

Building Wall

Roof Mount Channel

Silicone
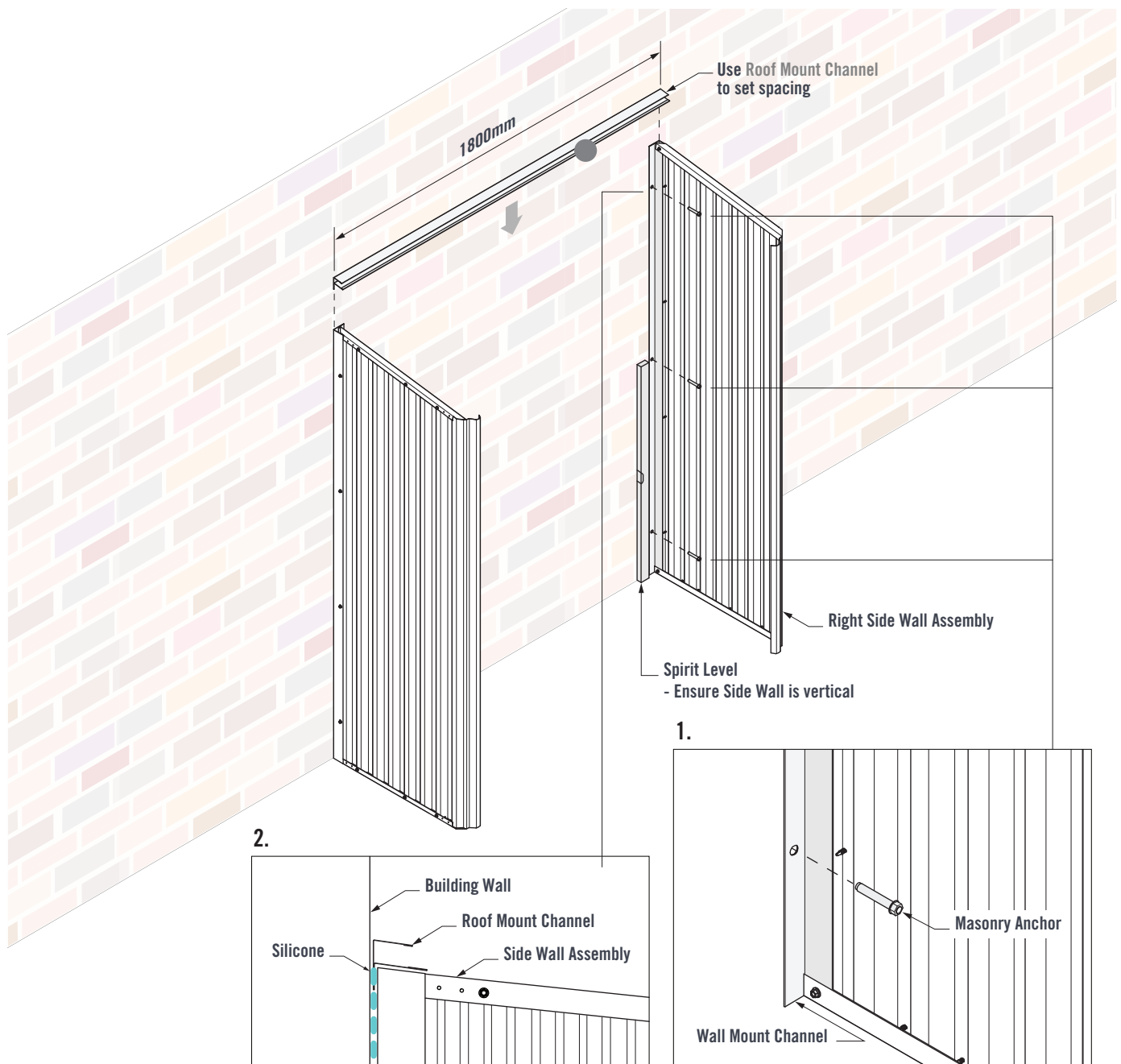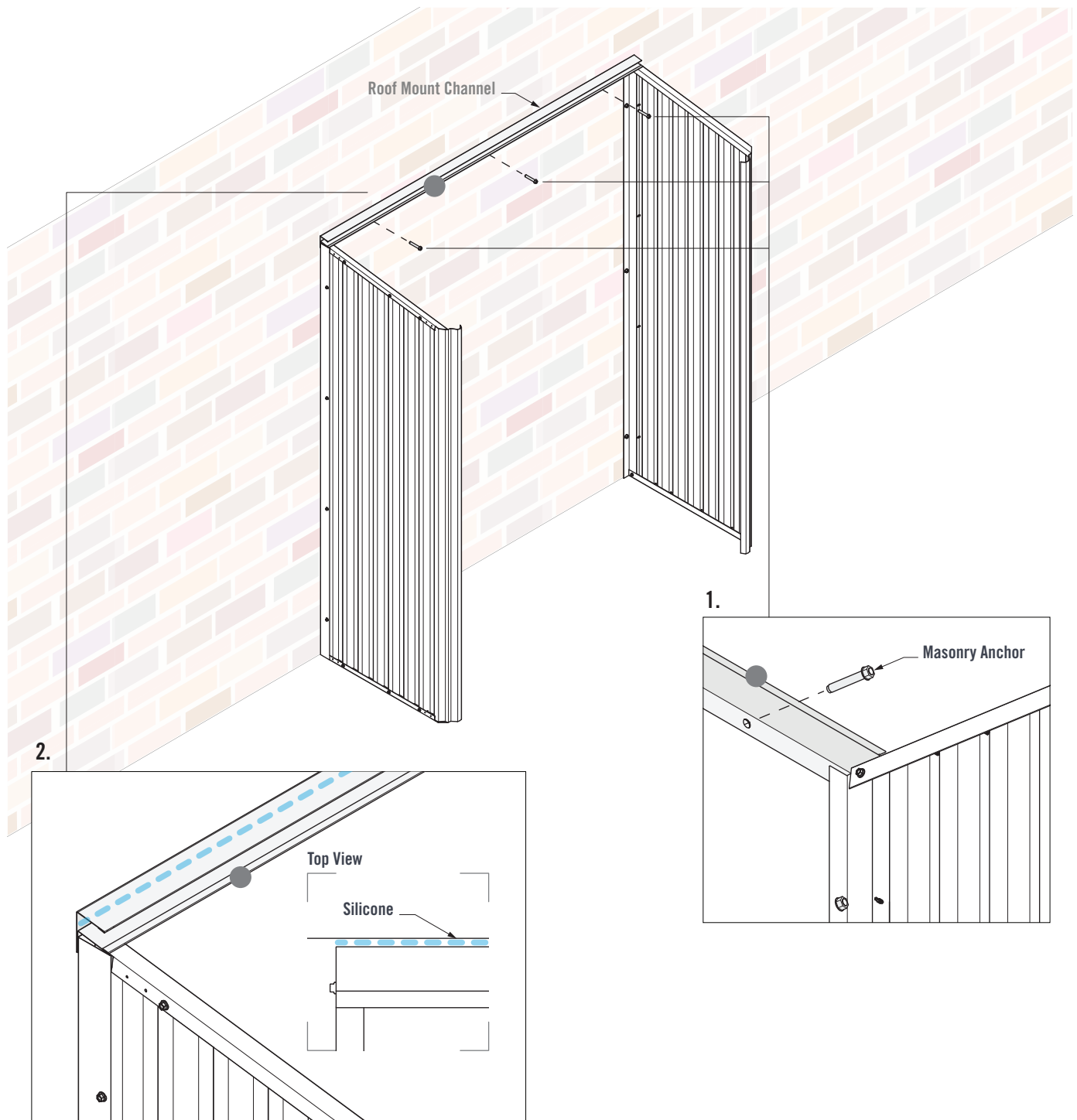
Side Wall Assembly

FIGURE 6.1

1. Ensure both ends of the Roof Mount Channel are in-line with the Wall Mount Channels. Mark and drill three 10mm holes through the pilot holes of the Roof Mount Channel and into the building wall. Loosely install three M10x47 Masonry Anchors (Figure 6.2).

2. Before tightening the Masonry Anchors, apply a bead of silicone between the Roof Mount Channel and building wall to prevent rain entering the shed (Figure 6.2).

Roof Mount Channel

1.

Masonry Anchor

2.

Top View

Silicone

FIGURE 6.2

JOINING WALL ASSEMBLIES

Fit the Corner Wall Sheet of the Front Wall Assembly over the Left Side Wall Sheet. Ensure the Corner Sheet fits inside the Side Wall Channels (Figure 7.0).

1. Fit a Corner Bracket over the top Channels. Ensure the pilot holes of the Corner Bracket and Channels line up (Figure 7.0).

2. Fasten through the Corner Bracket pilot holes and into the top Channels using four 10x16 Hex-Head Screws (Figure 7.0).
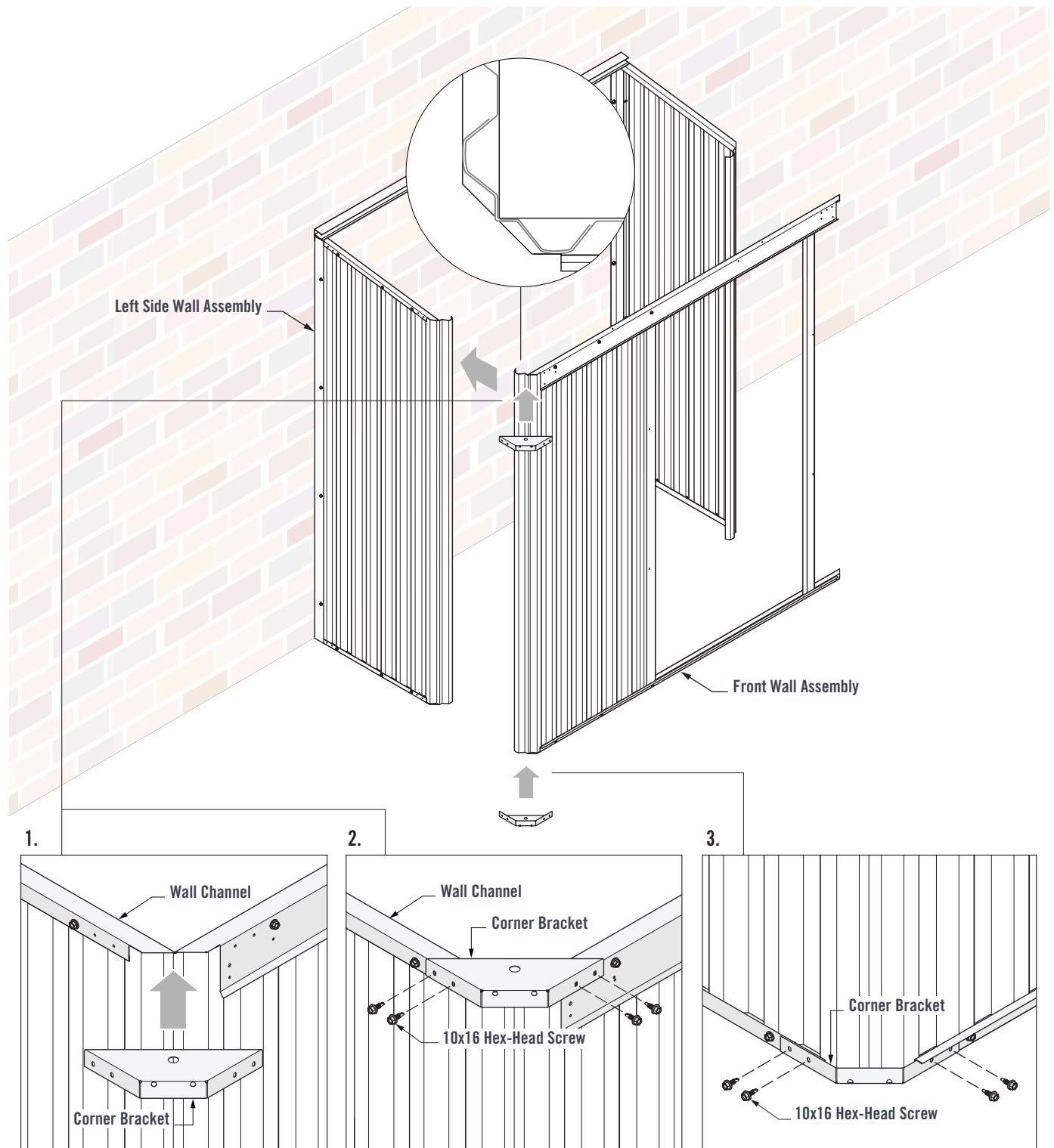
3. Fit a Corner Bracket to the bottom Wall Channels. Fasten through the Corner Bracket pilot holes and into the bottom Wall Channels using four 10x16 Hex-Head Screws (Figure 7.0).

Left Side Wall Assembly

Front Wall Assembly

1.
Wall Channel

Corner Bracket

2.
Wall Channel

Corner Bracket

10x16 Hex-Head Screw

3.
Corner Bracket

10x16 Hex-Head Screw

FIGURE 7.0

Fit the Front Wall Assembly over the Right Side Wall Sheet. Ensure the Right Side Wall Sheet fits into the Sliding Rail and Bottom Channel (Figure 7.1).

1. Fit the Door Jamb over the corner of the Right Side Wall Sheet (Figure 7.1).
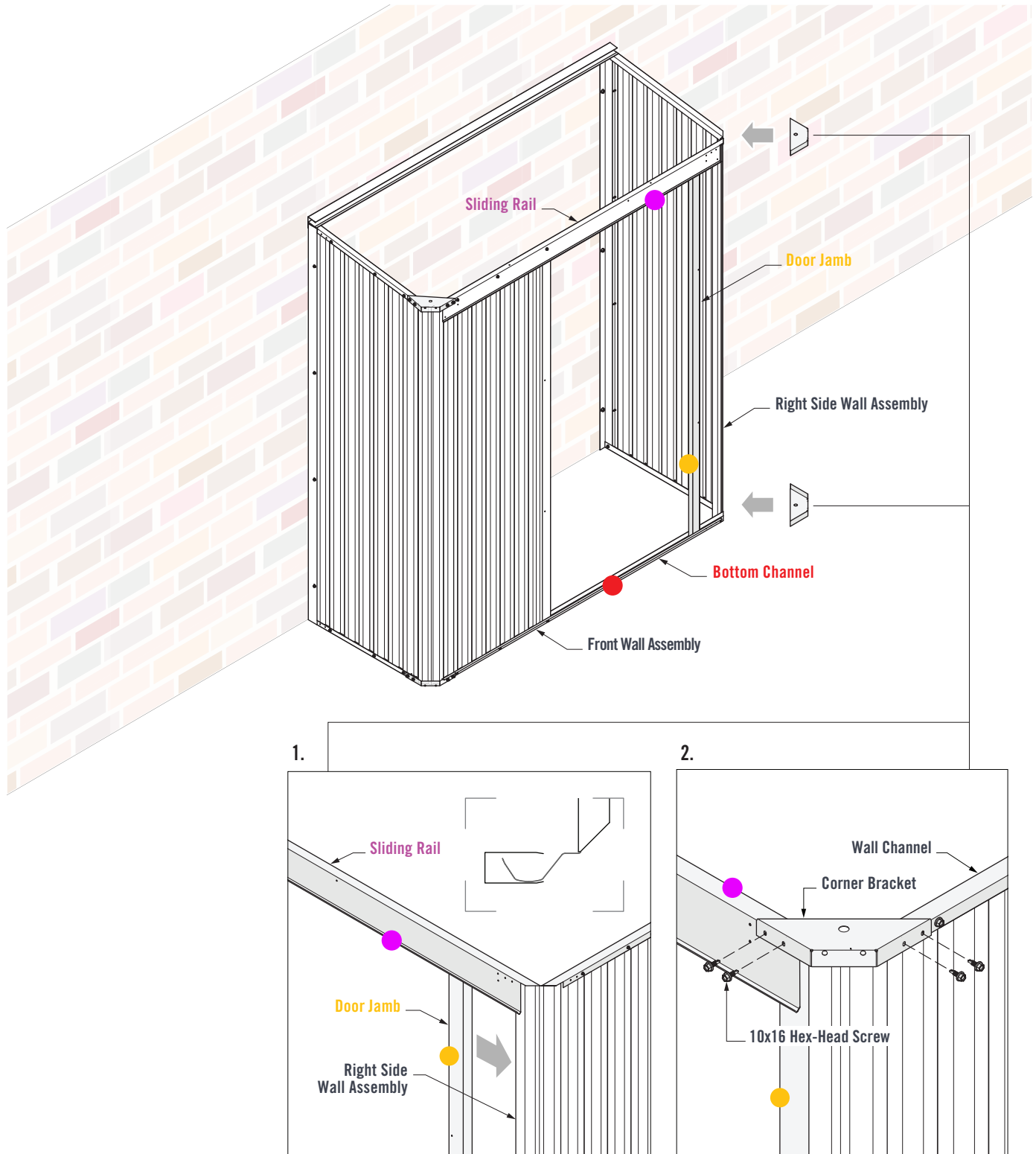
2. Fit the Corner Brackets as per Figure 7.0.

FIGURE 7.1

1. Fasten a 10x16 Hex-Head Screw through the pilot hole of the Sliding Rail (Figure 7.2).

2. Fasten three 10x16 Hex-Head Screws through the pilot holes of the Sliding Rail (Figure 7.2).

3. Fasten two 10x16 Hex-Head Screws through the pilot holes of both Door Jambs and into the Wall Sheets (Figure 7.2).

Sliding Rail

Door Jamb

10x16 Hex-Head Screw

Door Jamb

1.

2.

3.
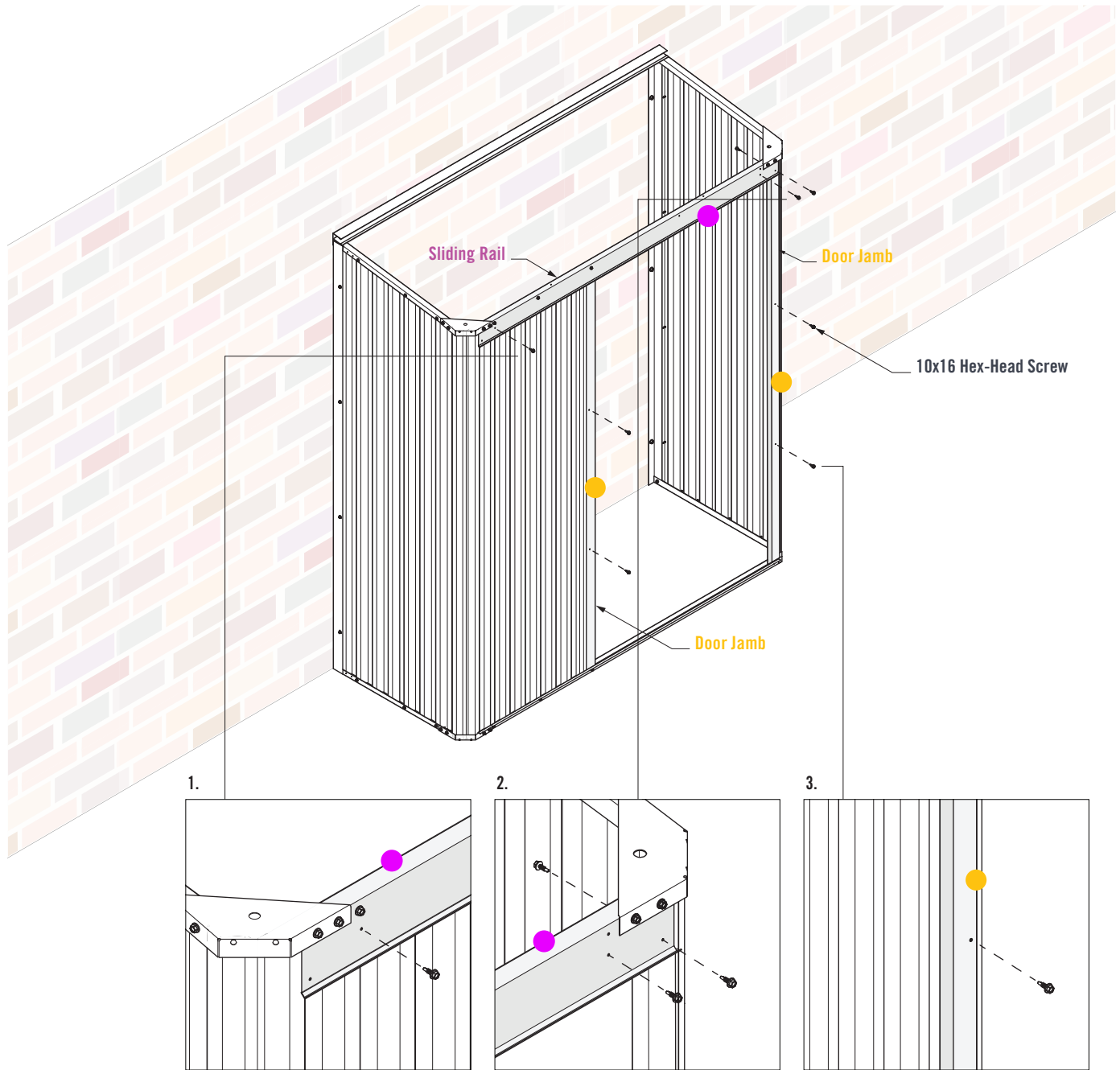
FIGURE 7.2

1. Fit the Gutter over the Sliding Rail. Fasten two 10x16 Wafer-Head Screws through the pilot holes of the Gutter and into the Sliding Rail (Figure 7.3).

2. Fit the Runner Rail over the Bottom Channel. Ensure the end of the Runner Rail is in line with the edge of the Corner Bracket. Fasten four 10x16 Hex-Head Screws through pilot holes in the Runner Rail and into the Bottom Channel (Figure 7.3).
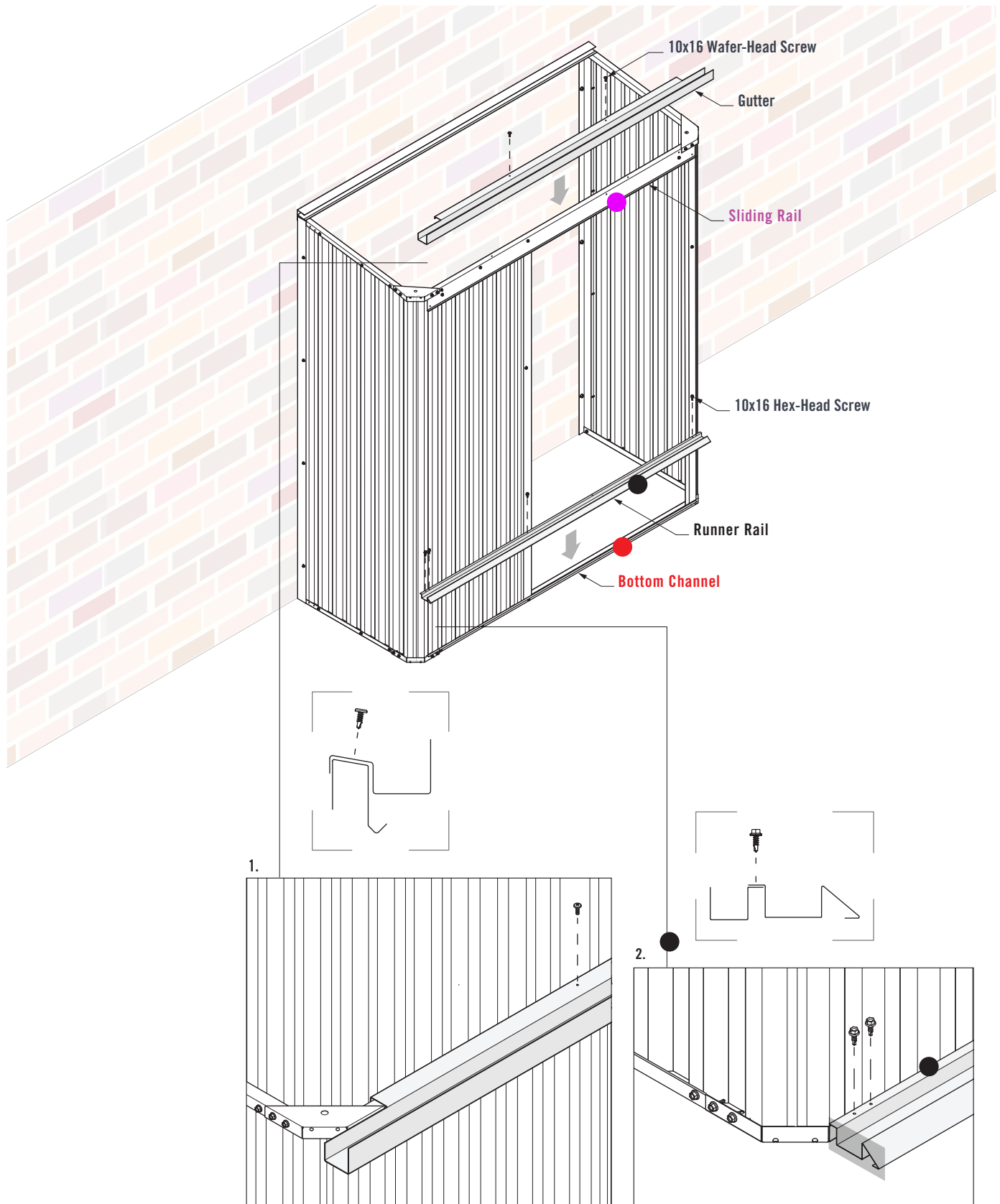
- 10x16 Wafer-Head Screw
- Gutter
- Sliding Rail
- 10x16 Hex-Head Screw
- Runner Rail
- Bottom Channel

1.

2.

FIGURE 7.3

1. Slide the Door into the Sliding Rail and Runner Rail. The Door Roller fits into the Sliding Rail at the top. The bottom of the Door fits into the Runner Rail at the bottom (Figure 7.4).

2. Fasten a 10x22 Wafer-Head screw through the Door Stop and into the pilot hole in the Sliding Rail (Figure 7.4).

1.

Door Roller

Sliding Rail

Runner Rail

2.

Door Stop

10x22 Wafer-Head Screw
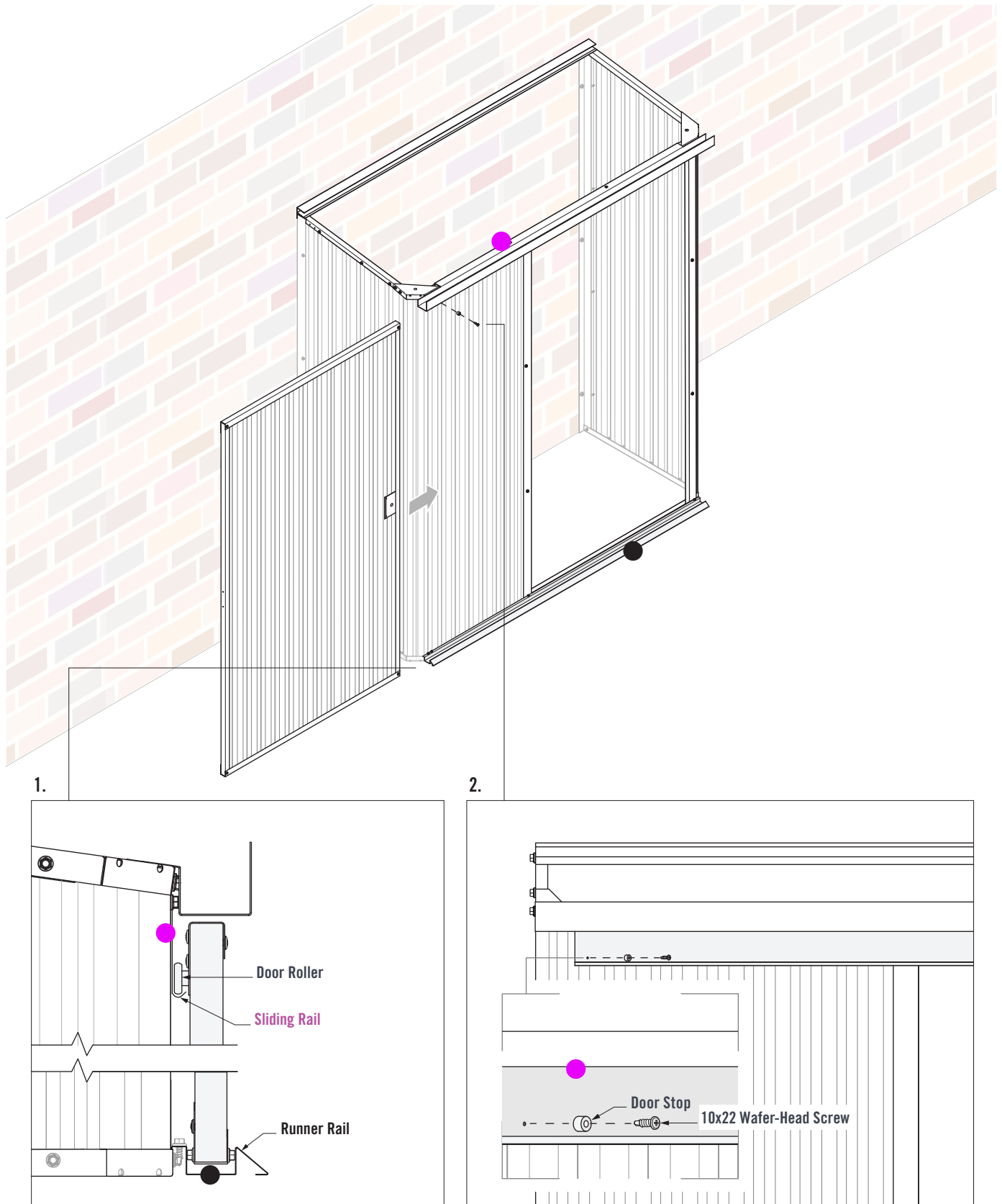
FIGURE 7.4

Check the walls are square. Check the diagonal measurements from corner to corner (dashed lines, Figure 7.5). The diagonal measurements should be equal for the walls to be square.
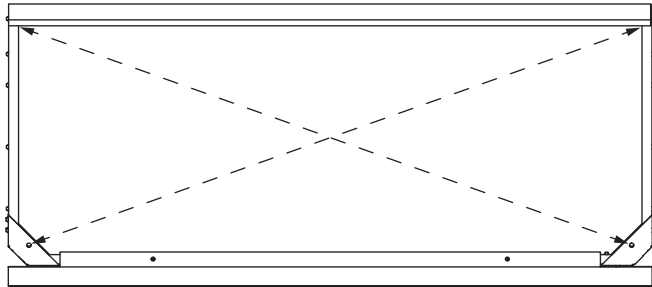
FIGURE 7.5

Note: Shed anchoring requirements are determined by the wind zone the Handi-Mate is installed in. Contact a Stratco store for further information or to determine your wind zone.

The recommended anchor spacing in Figure 7.6 below, where anchor points are no greater than 900mm apart (excluding door opening), will satisfy engineering requirements for N1, N2 and N3 wind zones.

'X' - Anchor Locations
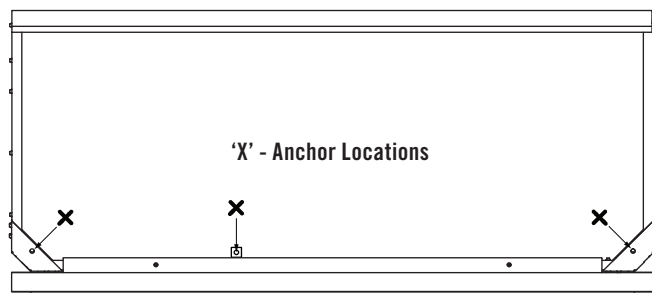
FIGURE 7.6

Using the Corner Bracket pilot holes as a guide, drill holes in both corners with a 10mm masonry drill bit. Secure both bottom Corner Brackets to the concrete base with M8x47 Masonry Anchors (Figure 7.7).

Masonry Anchor

Corner Bracket
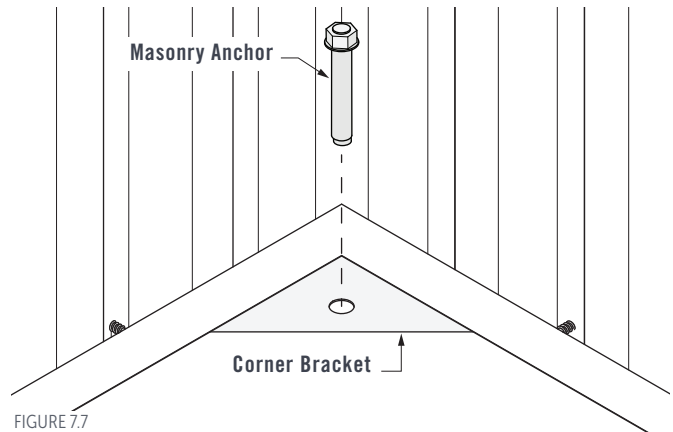
FIGURE 7.7

Fit a Hold Down Lug to the Bottom Channel, offset from the door opening. Fasten a 10x16 Hex-Head Screw through the Hold Down Lug and into the Bottom Channel and Wall Sheet. Fix the Hold Down Lug to the concrete base with an M8x47 Masonry Anchor (Figure 7.8).
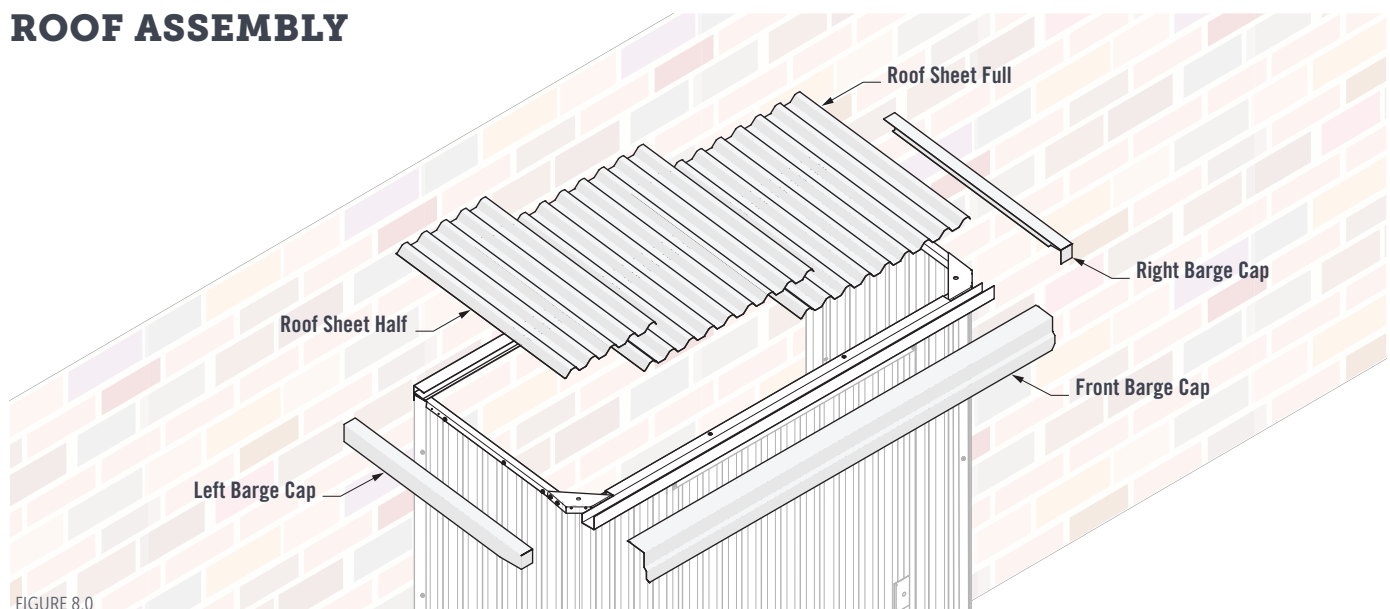
Masonry Anchor

10x16 Hex-Head Screw

Hold Down Lug

Bottom Channel

FIGURE 7.8

ROOF ASSEMBLY

Roof Sheet Full

Roof Sheet Half

Right Barge Cap

Front Barge Cap

Left Barge Cap

FIGURE 8.0

Use an adjustable spanner to turn up the pans at the Roof Mount Channel end of the Roof Sheets. This will prevent water flowing back under the sheet (Figure 8.1).

Pan
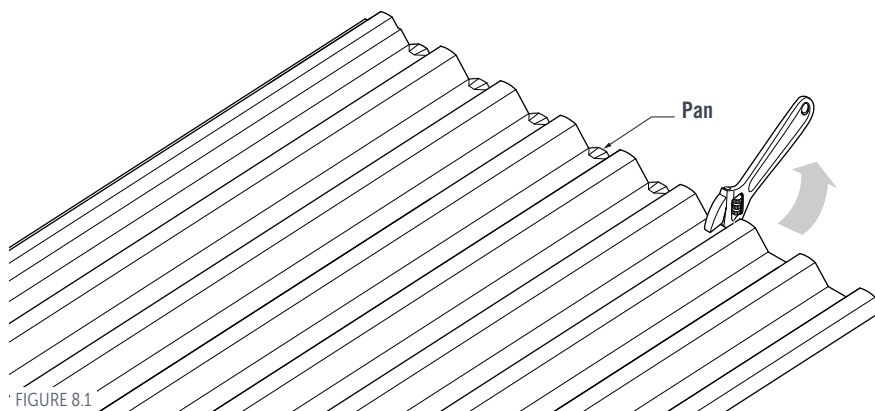
FIGURE 8.1

1. Fit the Roof Sheets into the Roof Mount Channel. Fasten nine Coloured 10x16 Hex-Head Screws with Neo Washers through the Roof Mount Channel and into every second Roof Sheet crest (Figure 8.2).

2. Fasten thirteen Coloured 10x16 Hex-Head Screws with Neo Washers through every second Roof Sheet pan and into the Gutter. Ensure a Screw is fastened in both pans either side of the sheet laps (Figure 8.2).

Coloured 10x16 Hex-Head Screw With Washer

Gutter

Roof Mount Channel

Roof Sheets

1.

2.

Roof Mount Channel
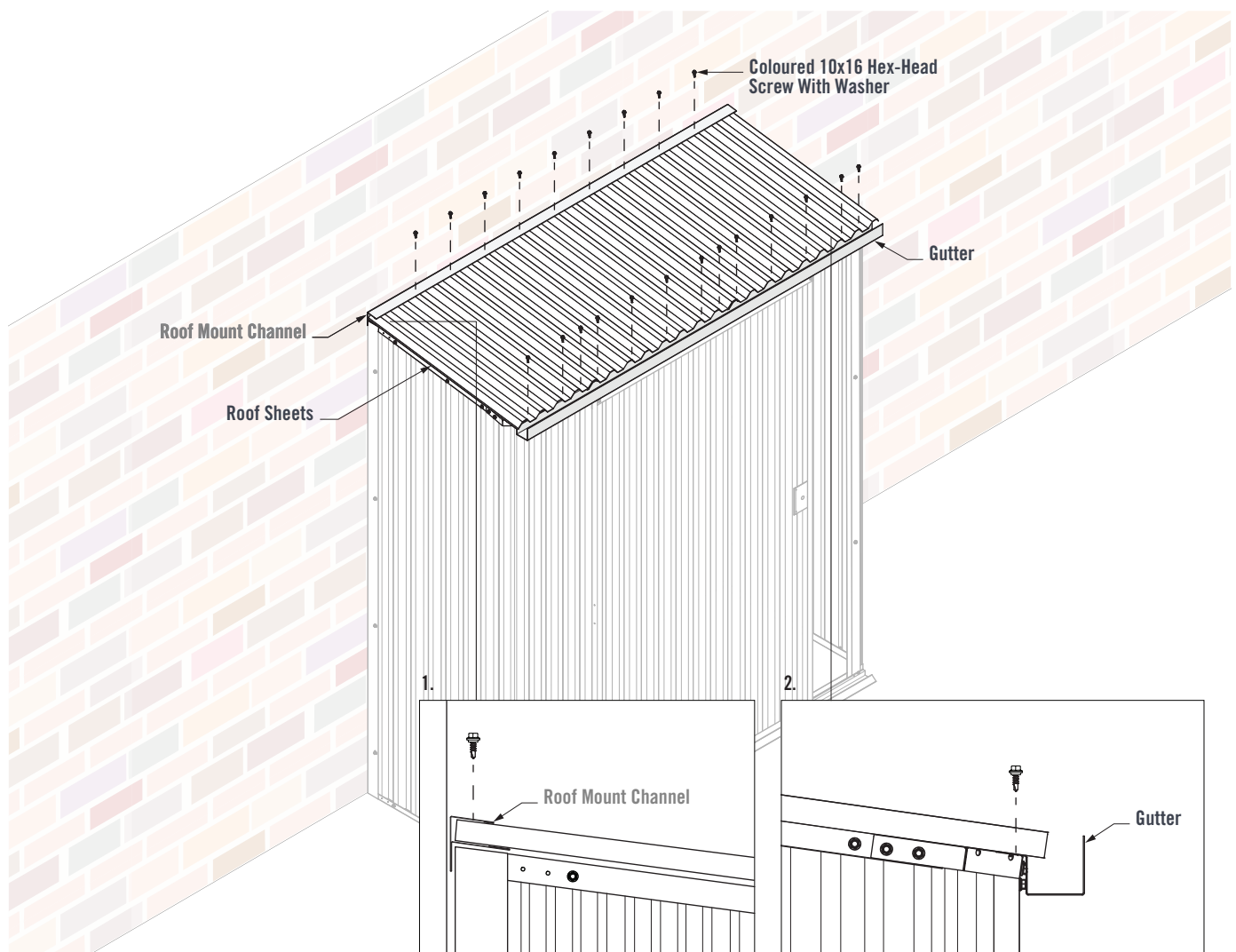
Gutter

FIGURE 8.2

1. Fit the Front Barge Cap against the Gutter. Ensure a 10mm gap between the end of the Gutter and end of the Front Barge Cap (Figure 8.3).

2. Fasten two Coloured 10x16 Hex-Head Screws with Washers through the Front Barge Cap and into the Roof Sheet pans (Figure 8.3).
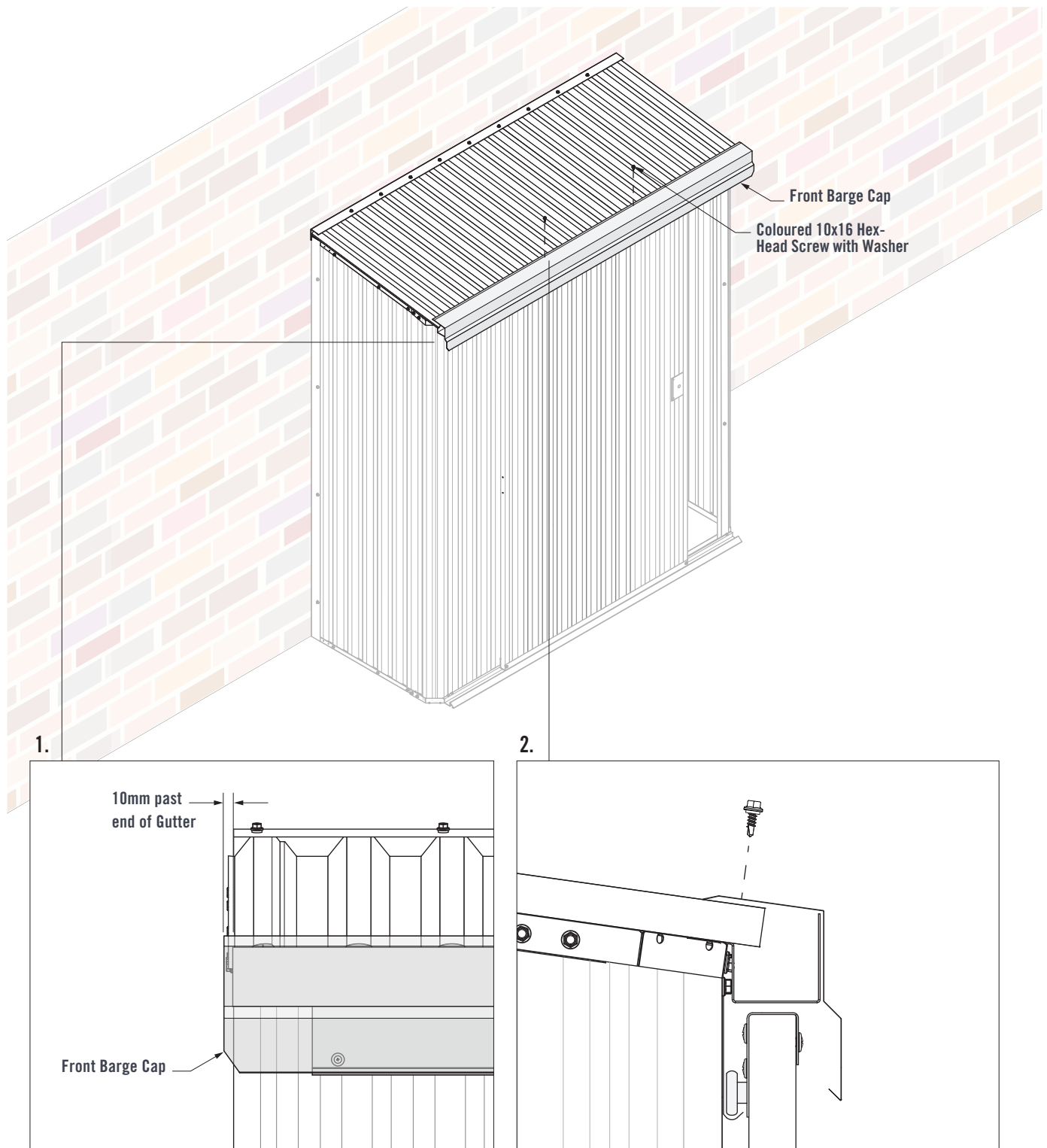
Front Barge Cap

Coloured 10x16 Hex-Head Screw with Washer

1.

10mm past end of Gutter

Front Barge Cap

2.

FIGURE 8.3

1. Place the Left Barge Cap over the Roof Sheet at the left of the shed. Ensuring the Left Barge Cap is against the Wall and Roof Mount Channel. Ensure the Left Barge Cap is positioned behind the Front Barge Cap (Figure 8.4).

2. Fasten a Coloured 10x16 Hex-Head Screw with Washer through the Left Barge Cap and into the Roof Mount Channel. Fasten a Coloured 10x16 Hex-Head Screw with Washer through the centre of the Left Barge Cap and into the Roof Sheet (Figure 8.4).

3. Fasten two Coloured 10x16 Hex-Head Screws with Washers through the Front Barge Cap and into the Left Barge Cap and Gutter (Figure 8.4).

Fasten the Right Barge Cap in the same manner.

Coloured 10x16 Hex-Head Screw with Washer

Right Barge Cap

Front Barge Cap

Left Barge Cap

1.

2.

3.
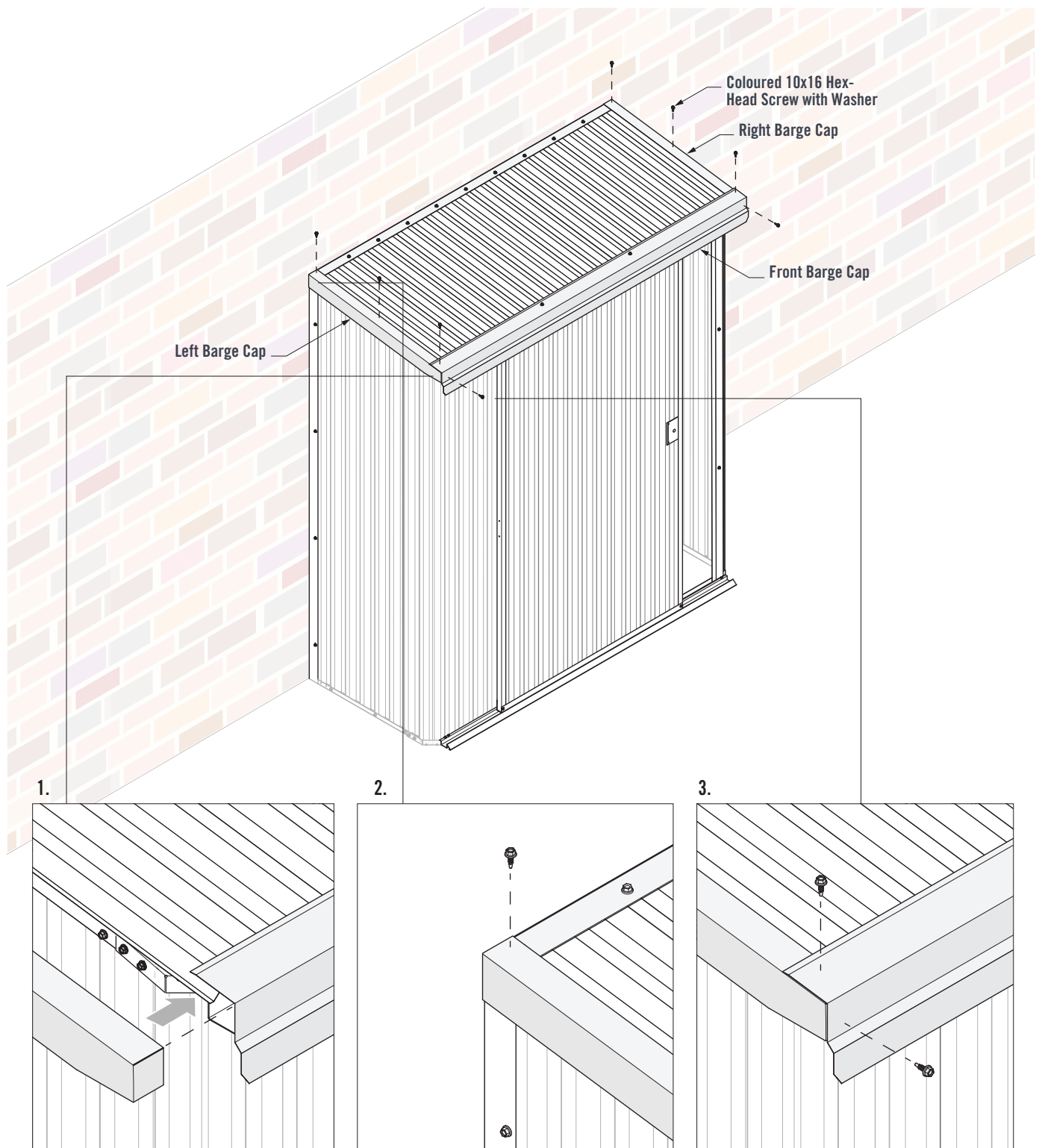
FIGURE 8.4

Fasten the Door Handle to the Handle Mount with two 10x16 Wafer-Head Screws (Figure 8.5).

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 Wafer-Head Screws (Figure 8.7).

Handle Mount

Door Handle

10x16 Wafer-Head Screw
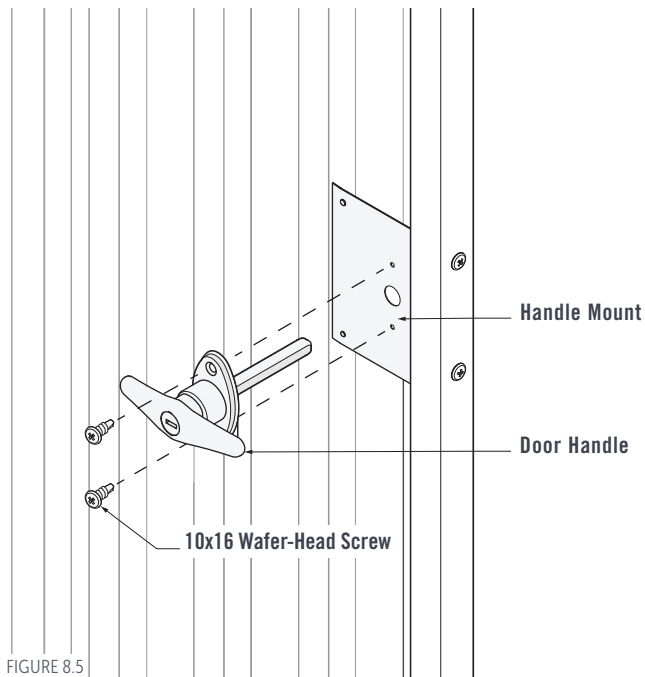
FIGURE 8.5

Fit the Door Tongue over the Door Handle shaft. Ensure the Door Tongue is oriented vertically and the Handle is oriented horizontally. Position 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 onto the Door Handle shaft and up against the Door Tongue (Figure 8.6).

Door Latch

10x16 Wafer-Head Screw

Door Jamb

FIGURE 8.7

Fasten the Door Shroud to the Runner Rail with four 10x16 Hex-Head Screws (Figure 8.8).
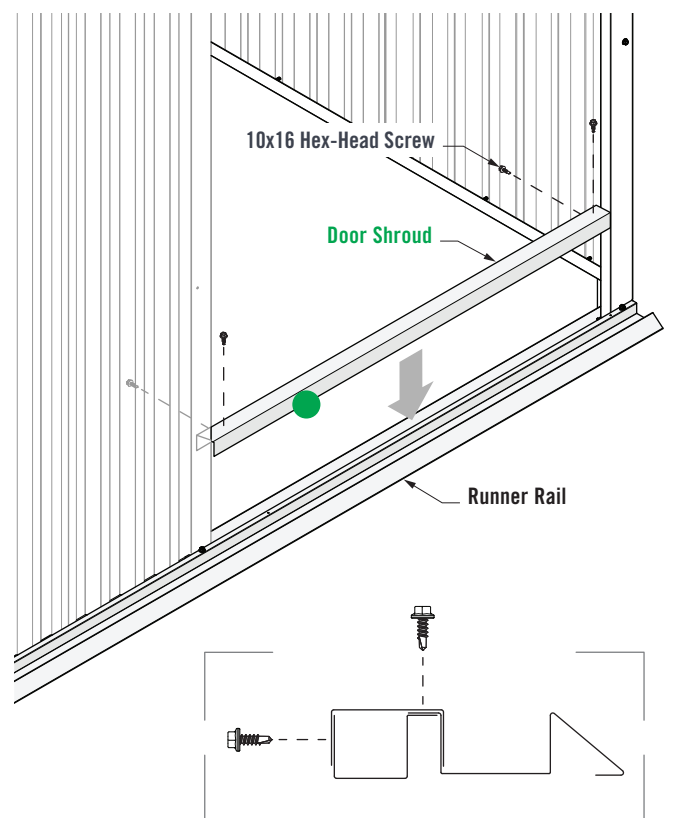
25mm

Door Tongue

Locking Washer

Door Tongue Screw

Door Handle Shaft

FIGURE 8.6

10x16 Hex-Head Screw

Door Shroud

Runner Rail

FIGURE 8.8

A coloured Rivet should be installed at sheet laps in the wall corner and door. Drill a 3.5mm hole through the centre of each sheet lap and install a coloured Rivet (Figure 8.9).

Coloured Rivet
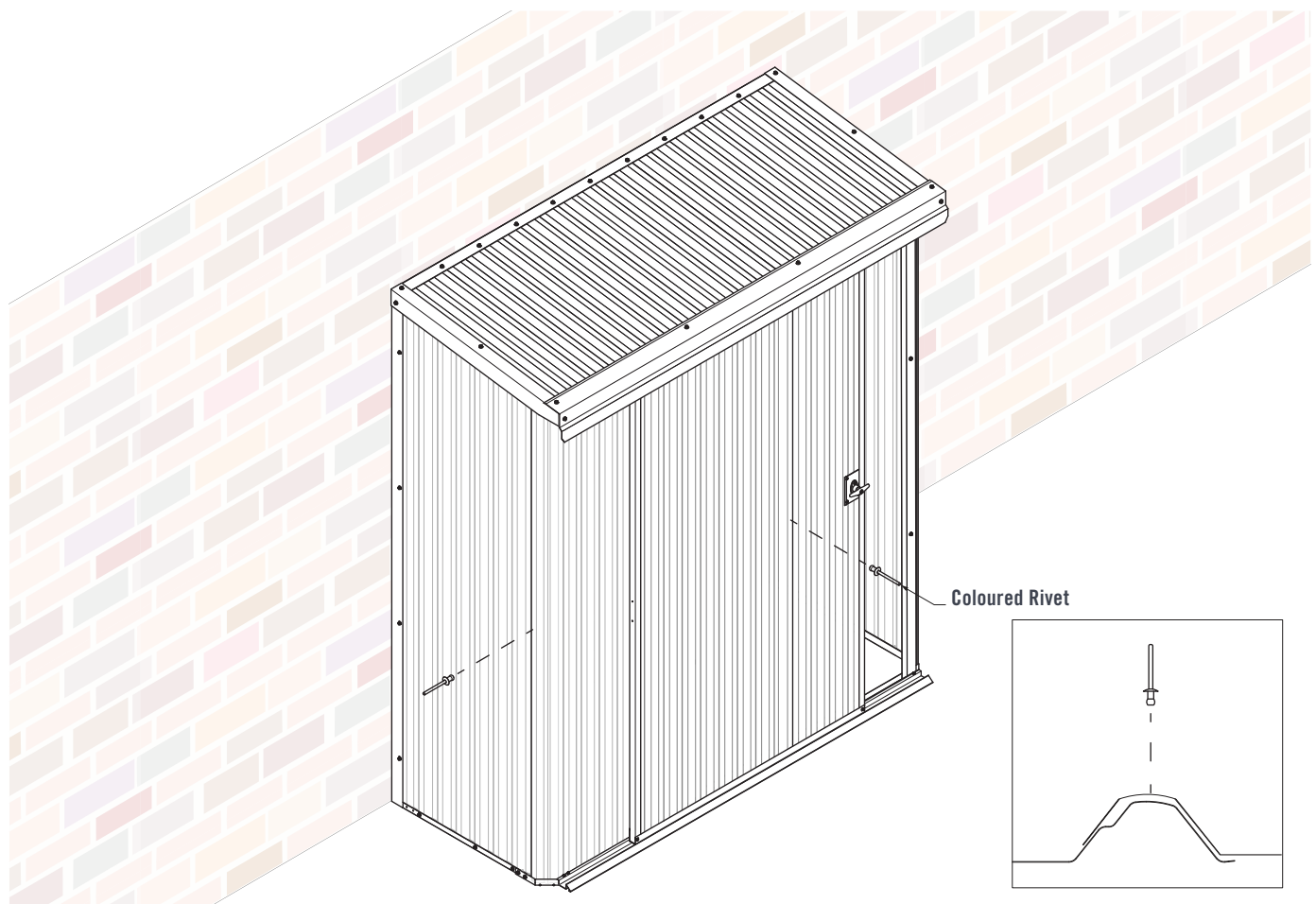
FIGURE 8.9

Water-Proofing the Floor (Optional)

Water may enter the Shed between the bottom Wall Channels and Floor. Water ingress can be mitigated by applying silicone to the gaps along the Floor. From the inside of the Shed, apply a bead of silicone along the entire perimeter of the Shed, including along the Corner Brackets and Wall Channel ends. Do not apply silicone to the outside of the Shed as this will not allow water to flow out and away from the Shed (Figure 8.11).

Silicone Bead

Wall Channel
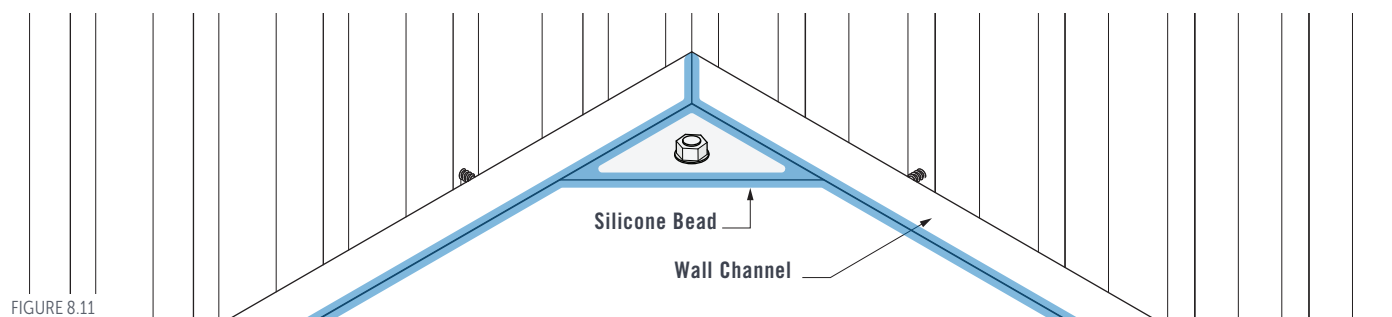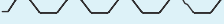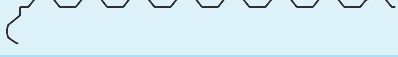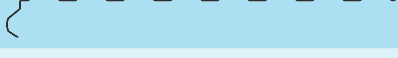
FIGURE 8.11

SHED MAINTENANCE
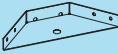
It is vital that all metal swarf and filings are removed from the shed as to prevent rust spots from forming. Your Stratco Handi-Mate™ Shed will maintain its good looks for even longer with a simple wash and wipe down. Cleaning should be performed as often as is required to remove any dirt, salt and 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
	Runner Rail	HMRRBO1697GA
	Sliding Rail	PM-12609-GA
	Gutter	PM-12615-1805-GA
	Barge Cap - Left Hand Side	PM-12613-AZ
	Barge Cap - Right Hand Side	PM-12614-AZ
	Front Barge Cap	PM-12612-1820-AZ
	Roof Mount Channel	PM-12606-1800-AZ
	Wall Mount Channel	PM-12607-AZ
	Roof Sheet	PM-12604-AZ
	Split Roof Sheet	PM-12605-AZ
	Split Door Sheet	SSPHMSD1900AZ
	Corner Wall Sheet	SSPHMWSCNR1950AZ
	Side Wall Sheet (Left)	PM-12602-AZ
	Side Wall Sheet (Right)	PM-12603-AZ
	Door Sheet	SSPHMWS1900AZ
	Hold Down Lug	HMHL
	Door Wheel	HMDW
	Door Stop	HMSS
	Door Nut	HMNN6
	Masonry Anchor	MAA847
	Rivet	RIV4-3
	10x16mm Wafer-Head Screw	WTK1016
	10x22mm Wafer-Head Screw	WTK1022
	10x16mm Hex-Head Screw	TEKNNW1016
	Coloured 10x16mm Hex-Head Screw with Neo Washer	TEK1016##

	Door Jamb	PM-12608-AZ
	Door Shroud	HMDSBO975GA
	Top Door Channel	HMDCTO
	Bottom Door Channel	HMDCBO
	Vertical Door Channel	HMDCVE
	Wall Channel	HMWC700GA
	Bottom Channel	HMBR1750GA
	Door Handle	HMTH
	Door Tongue	HMDT
	Door Latch	HMDL
	Handle Mount	HMDM
	Corner Bracket	HMCB

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