FENCE
SANCTUARY

BEFORE YOU START

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

Double check all dimensions, levels and bolting locations before cutting, screwing or bolting structural members. It is recommended that the installers erecting the structure have had some previous building experience.

For further instructions, refer to the Ezi-Slat Fencing installation video at stratco.com.au.

TOOLS REQUIRED

- Drill
- 3mm (1/8") and 6mm (1/4") drill bits
- 10mm masonry drill bit
- Phillips head driver
- Hex head driver
- Rubber mallet
- Tape Measure
- String line
- Spirit Level
- Saw (either a drop saw with a fine-tooth blade or hacksaw)
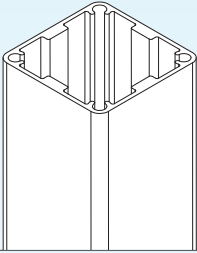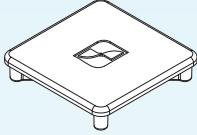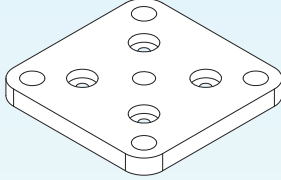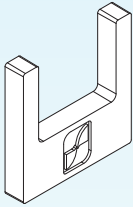- Manual or mechanical auger

ADDITIONAL ITEMS
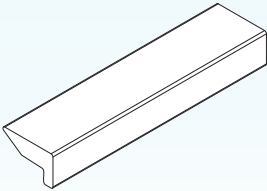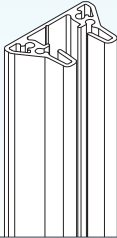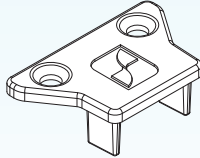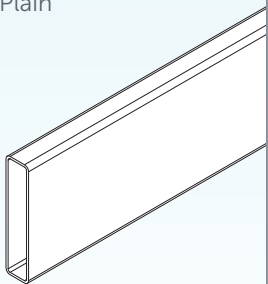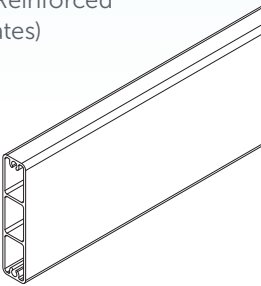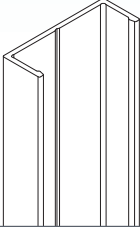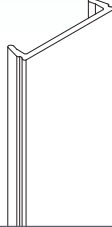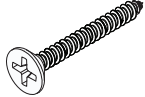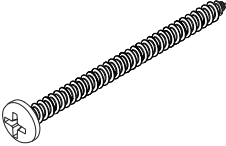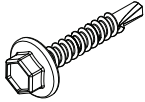
The components supplied do not include fixings to attach the unit to an existing structure or concrete/masonry anchors for the column installation. If required they must be purchased as additional items.

STRATCO EZI-SLAT FENCING

INSTALLATION GUIDE

COMPONENTS

Post	Post Cap	Post Base Plate	Spacer

Rail Packer	Receiving Rail	Receiving Rail Cap	Slat - Plain

Slat - Reinforced (for Gates)	Intermediate Rail*	Intermediate Rail Cap*	8g x 30mm Countersunk Self-tapping Screw

12g x 75mm Pan Head Screw	10g x 20mm Wafer Head Self-Drilling Screw	10g x 16mm Hex Head Self-Drilling Screw	12g x 39mm Hex Head Self-Drilling Screw

* Optional components

COMPONENT DIAGRAM
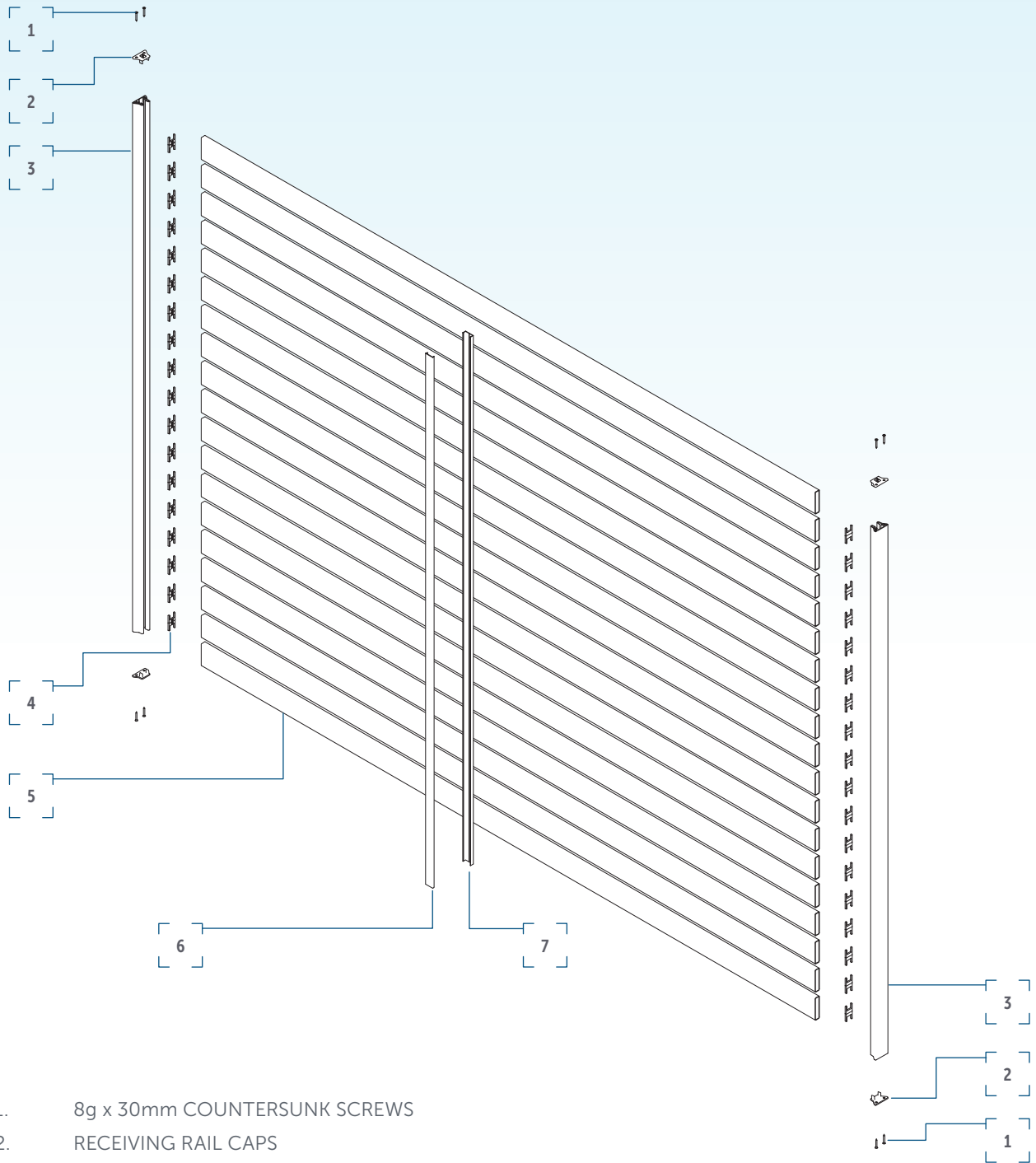
1. 8g x 30mm COUNTERSUNK SCREWS
2. RECEIVING RAIL CAPS
3. RECEIVING RAIL
4. SPACER
5. SLAT
6. INTERMEDIATE RAIL CAPPING*
7. INTERMEDIATE RAIL*

* Optional components

INSTALLING POSTS

POST LOCATIONS

Determine the location for the Ezi-Slat Fence using a temporary string line (Figure 1.0). Measure and mark the required distance between posts. Standard panel length is 2400mm between the inside edges of the posts. The spacing for a standard swing gate is 1020mm. For custom panels and gates you will need to determine the required post spacing.

FIGURE 1.0

FIGURE 1.1

POST INTO CONCRETE

Dig holes at the correct distances (see Figures 1.0 & 1.1). Holes are to be 250mm in diameter and 600mm deep (Figure 1.2).

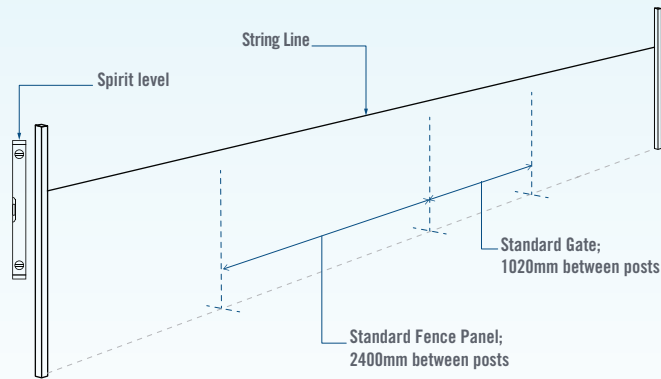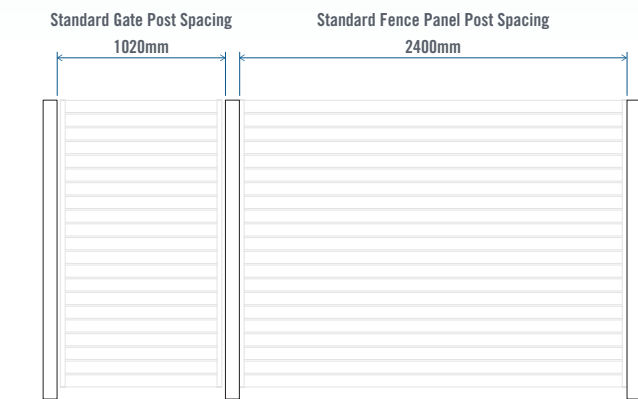If using aluminium posts, they must not come into direct contact with concrete, as this will prematurely corrode the posts. There are two recommended methods for installing in-ground aluminium posts.

ALUMINIUM POST DIRECTLY INTO CONCRETE

Cover the end of the post with duct tape and apply a coating of bitumen paint to the section of the post which will come into contact with the concrete to avoid corrosion. The post must be embedded into the concrete a minimum of 450mm (Figure 1.2).

Using a spirit level ensure the posts are plumb, and check that the distances between posts are correct.
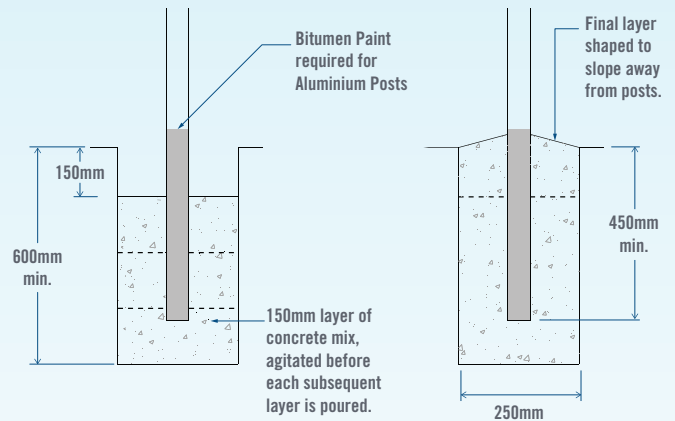
FIGURE 1.2

STEEL SPIGOT INTO CONCRETE

A 40x40x4mm SHS steel spigot can be installed into concrete (Figure 1.2). The spigot must protrude from the concrete a minimum of 600mm. The Ezi-Slat Aluminium Post can then be slid down onto the spigot (Figure 1.3).
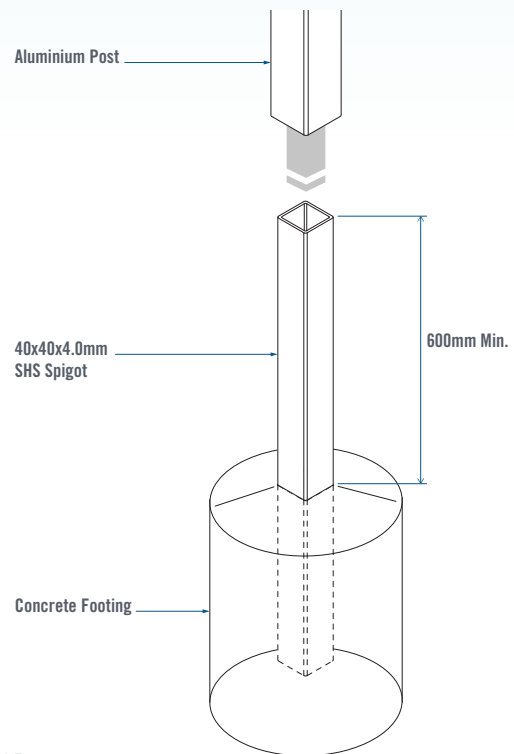
FIGURE 1.3

INSTALLING POST ONTO CONCRETE

Screw the base plate onto the Ezi-Slat Aluminium Post using four 12g x 75mm pan head screws (Figure 1.4).

Ensure the distance between posts is correct. It is recommended that there is a minimum distance of 75mm from bolt centres to the edge of the concrete. Using a hammer drill and a ø10mm masonry drill bit, drill four holes into the concrete. Fasten the base plate to the concrete using four 10mm masonry anchors (Figure 1.5).

Post

Base Plate

4x 12g x 75mm Pan Head Screws

FIGURE 1.4

Four M10 Masonry Anchors

Four ⌀10mm Holes

75mm

75mm

75mm (Min.)

75mm (Min.)

FIGURE 1.5

PANEL ASSEMBLY

PRE-DRILL RECEIVING RAIL

Measure and mark the holes for mounting the Receiving Rail to the posts. The top and bottom holes are to be a maximum of 20mm from the end of the rail. The remaining holes are to be spaced evenly at a maximum of 450mm centres (Figure 2.0).

Pre-drill the Receiving Rail mounting holes using a 3mm or 1/8 inch drill bit.

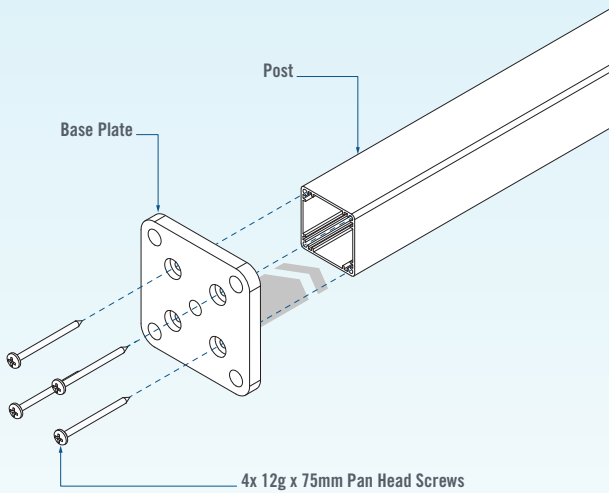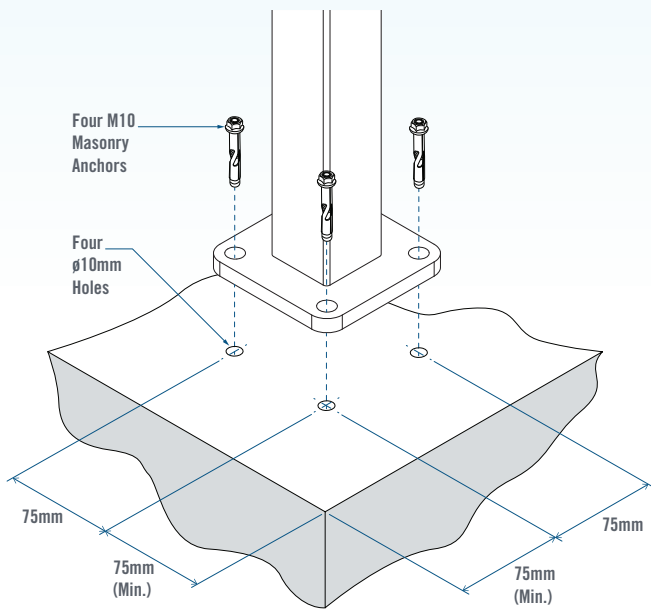20mm

*Maximum 450mm centres

20mm

Screw Locator Groove

*Hole centre distance varies depending on height of fence panel. Maximum distance between holes to be 450mm. Installer to determine spacing and number of screws required.
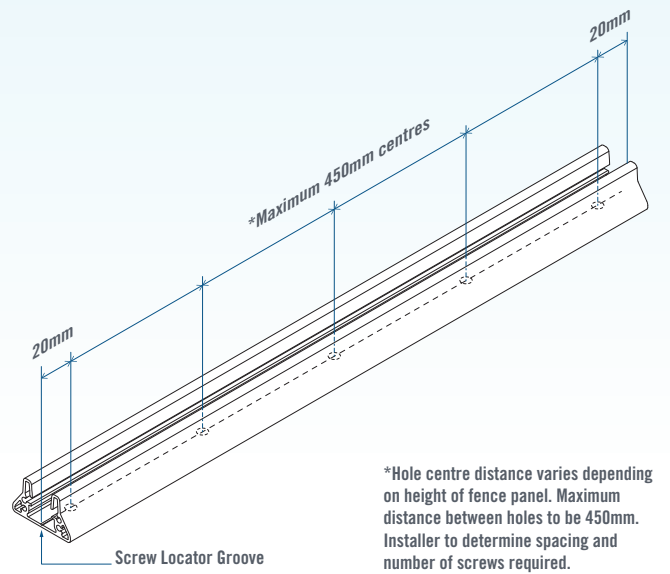
FIGURE 2.0

INSTALL BOTTOM RECEIVING RAIL CAP

Push receiving rail cap into the receiving rail and fasten using two 8g x 30mm countersunk screws (Figure 2.1). The cap may need to be knocked in using a rubber mallet. Use a low torque setting on the drill to avoid snapping the screws.
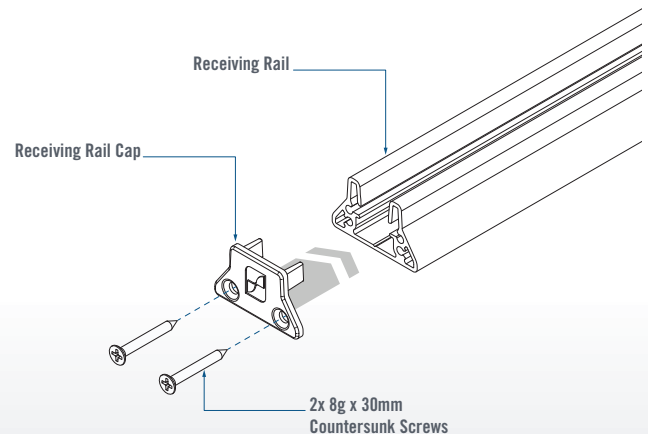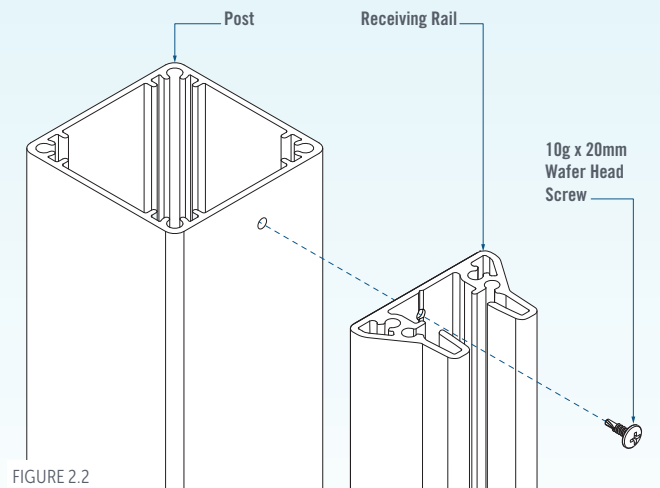

Receiving Rail

Receiving Rail Cap

2x 8g x 30mm Countersunk Screws

FIGURE 2.1

FIX RECEIVING RAIL TO POST

Screw the receiving rail onto the post using 10g x 20mm wafer head screws through the pre-drilled holes (Figure 2.2).

FIGURE 2.2

SLAT INSTALLATION

Insert the first slat into the rail at an angle and tap both ends down to the bottom rail cap (Figure 2.3). A rubber mallet may be required to ensure a proper fit.
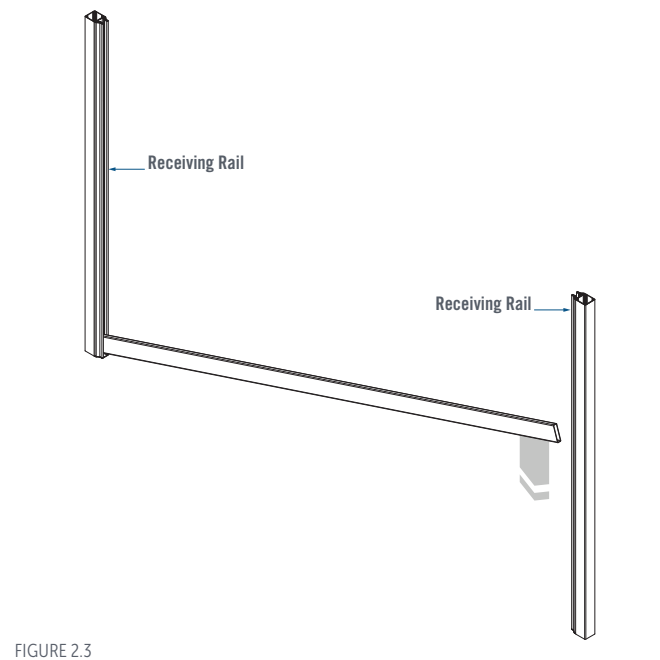
FIGURE 2.3

SPACING SLATS

For a 10mm gap between slats, slide one spacer into the receiving rail. For a 20mm gap between slats insert two spacers (Figure 2.4).

Continue to insert slats followed by spacers until the slats reach the top of the receiving rail (Figure 2.5).
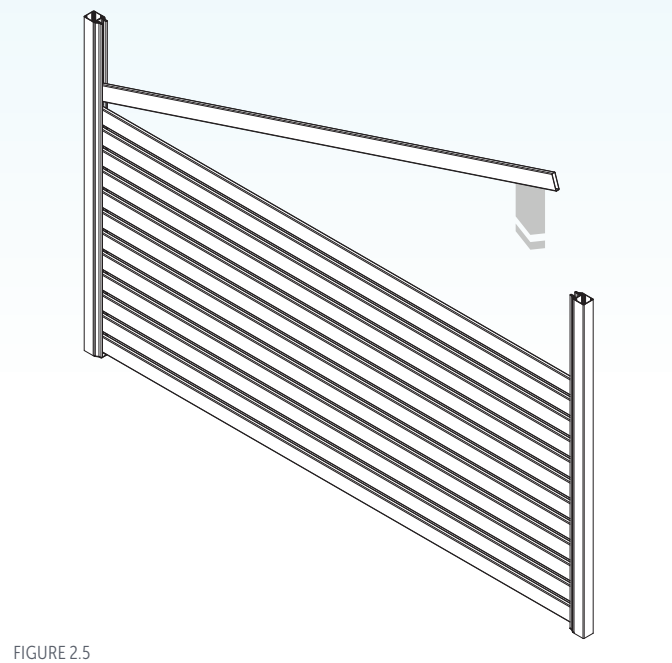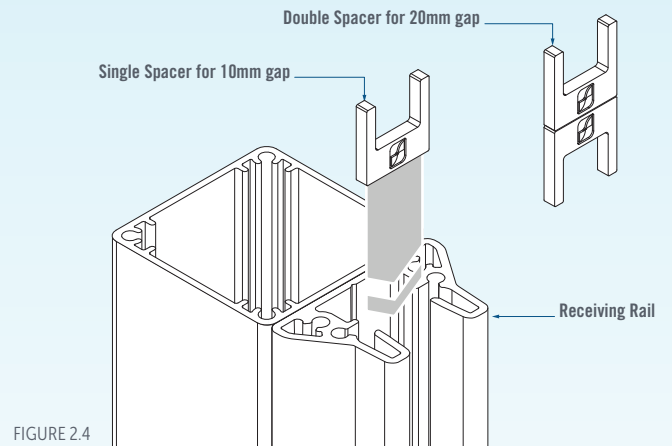
FIGURE 2.4

FIGURE 2.5

POST CAPPING

Gently tap in the Post Cap and Rail Cap using a rubber mallet. Screw the Rail Cap using two 8g x 30mm countersunk screws (Figure 2.6).

FIGURE 2.6

OPTIONAL INTERMEDIATE RAIL

Measure and mark a vertical line down the centre of the panel. Measure the panel height and cut the intermediate rail and capping to the required length (Figure 2.7).

Centre Line

Panel Height

FIGURE 2.7

Screw through the Intermediate Rail into every slat using a 10g x 16mm hex head screw (Figure 2.8). Snap the Intermediate Rail Capping onto the Intermediate Rail.
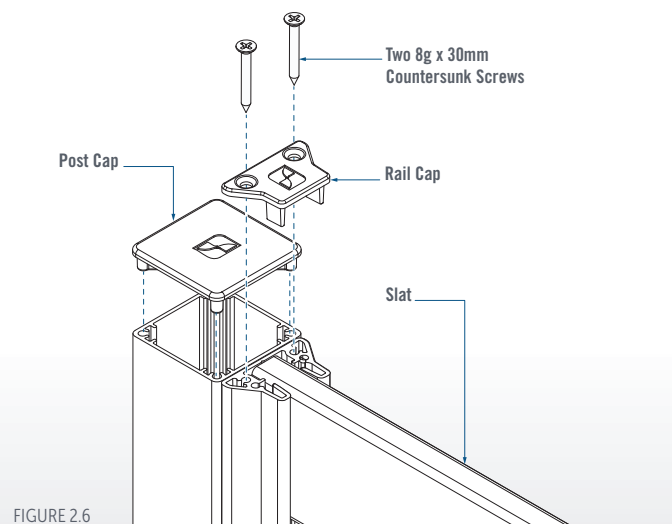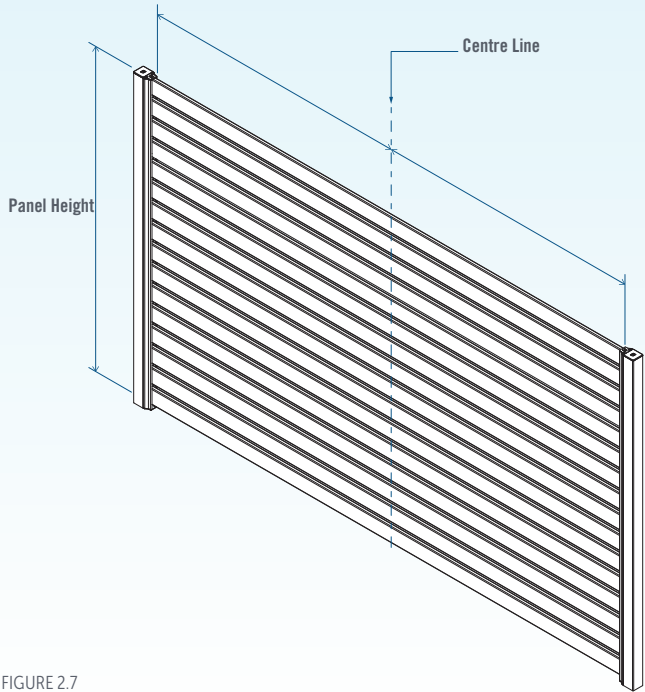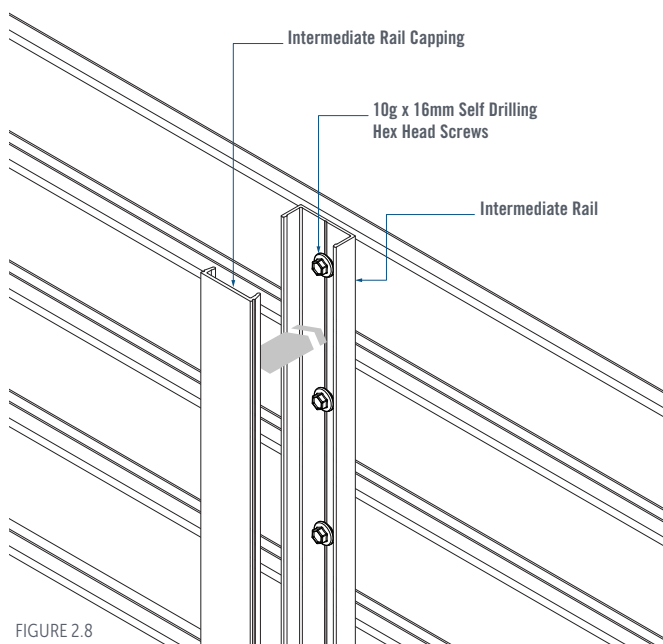
Intermediate Rail Capping

10g x 16mm Self Drilling Hex Head Screws

Intermediate Rail

FIGURE 2.8

GATE ASSEMBLY

SLAT INSTALLATION

Screw the bottom Receiving Rail Caps into the pre-drilled Gate Receiving Rails using 8g x 30mm countersunk screws.

Insert a Reinforced Slat and screw it in through the pre-drilled holes using an 8g x 30mm countersunk screw in either end (Figure 3.0). Insert Spacers into each Receiving Rail.

8g x 30mm Countersunk Screw

Pre-Drilled Holes

8g x 30mm Countersunk Screw
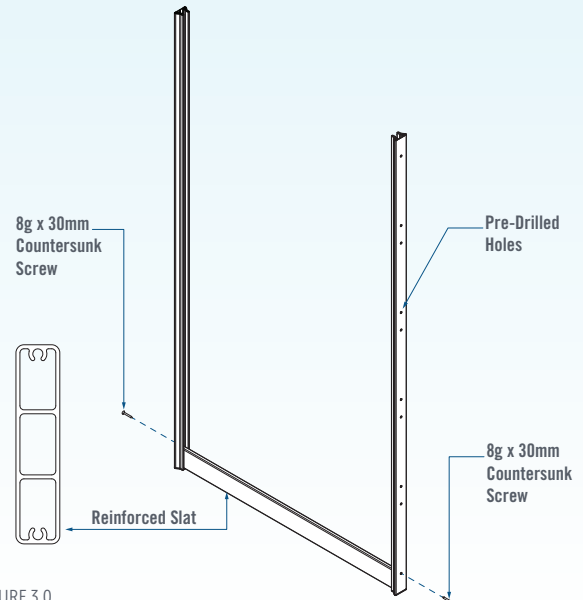
Reinforced Slat

FIGURE 3.0

Insert a Plain Slat into the Receiving Rail and gently tap it down to ensure a proper fit. Continue to insert Spacers and Plain Slats until the next pre-drilled holes in the Receiving Rails are reached (Figure 3.1).

Insert a Reinforced Slat and screw it in using two 8g x 30mm countersunk screws in each end of the slat.

Continue inserting spacers and slats until the top of the rail is reached.

Screw the Receiving Rail Caps into the top of the rails using two 8g x 30mm countersunk screws.

Receiving Rail Cap

Pre-drilled Holes

Plain Slats

Reinforced Slats

FIGURE 3.1

GATE INSTALLATION

HINGE INSTALLATION

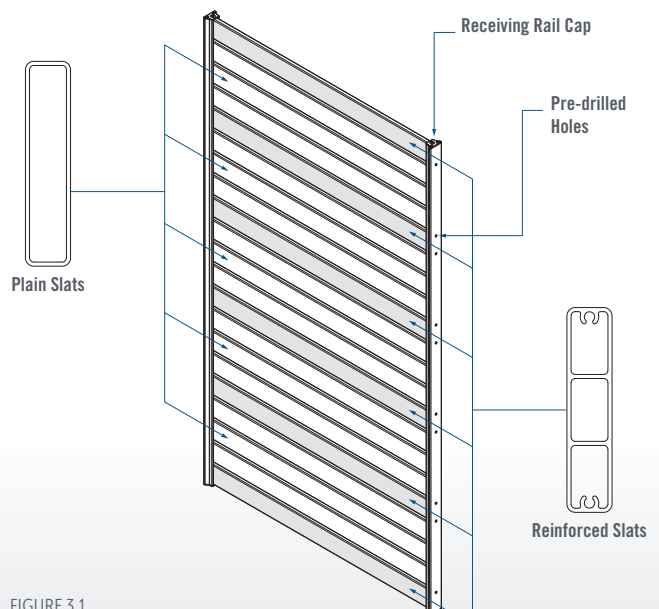Measure and mark the required locations of the gate hinges as per the hinge manufacturer's instructions. Rail Packers are used to provide a square mounting point on the Gate Receiving Rail.

Position the hinges on the Rail Packer and mark the locations of the holes. Pre-drill the Rail Packers using a 6mm or 1/4 inch drill bit (Figure 4.0). Screw the hinges into position through the Rail Packer into the Gate Receiving Rail using 12g x 39mm hex head screws.

Measure and mark the position of the top gate hinge on the post to ensure the gate is level and square. Pre-drill the top screw hole into the post. Lift the gate into position and screw through the top hinge and attach the gate to the post.

Screw the bottom hinge into position and ensure the gate is level before screwing off all other hinges.
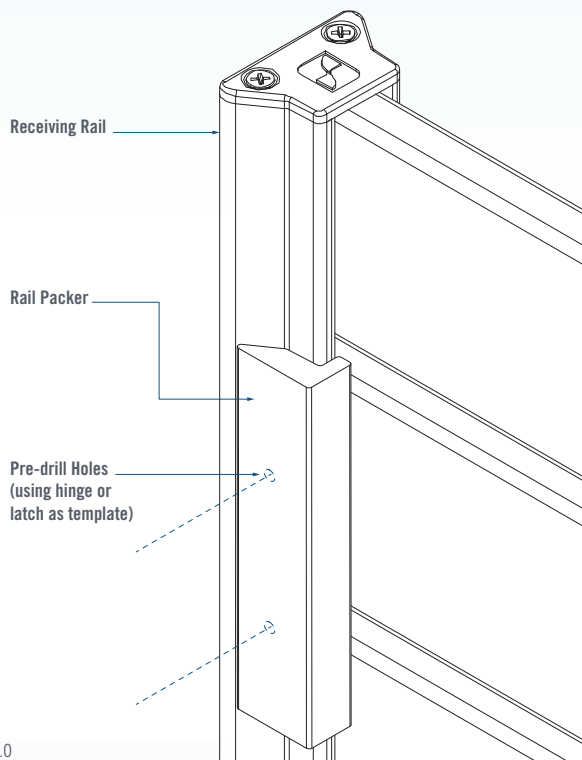

Receiving Rail

Rail Packer

Pre-drill Holes
(using hinge or
latch as template)

FIGURE 4.0

LATCH INSTALLATION

Measure and mark the required locations of the gate latch as per the latch manufacturer's instructions, using the Rail Packer on the Gate Receiving Rail as a square mounting surface (Figure 4.0). Pre-drill the holes for the latch with a 6mm or 1/4 inch drill bit using the latch as a template. Secure the latch and Rail Packer to the gate frame with 12g x 39mm hex head self drilling screws through both the latch and the Rail Packer.

MAINTENANCE

Regular maintenance is essential to maintain the good looks of all Stratco steel and aluminium products and to ensure you receive the maximum lifespan possible. Washing with clean water must be frequent enough to prevent the accumulation of dust, salts, and pollutants that may reduce the life of the product. Stratco steel and aluminium products that are regularly washed by rain require no additional maintenance. No Stratco steel or aluminium structure or materials are recommended for use over, or in close proximity, to swimming pools or spas. No material that retains water (such as dirt or paving sand) should be placed against the columns. Care must be taken when determining the location of Stratco steel and aluminium products so that they are not placed in close contact with sources of pollution or environmental factors that could affect the life of the steel or aluminium. Refer to the 'Selection, Use and Maintenance' brochure for more information.