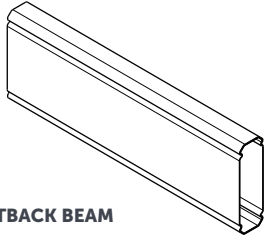
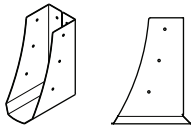
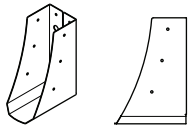

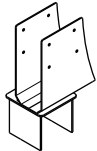
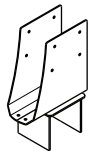
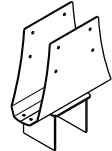

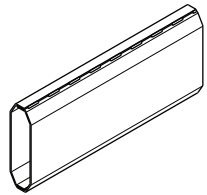
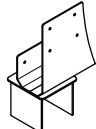
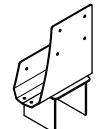
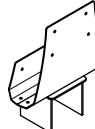


# Stratco Outback 220mm Beam

## Installation Guide

### Components

 <p><b>220mm OUTBACK BEAM</b> OBB220##</p>	<p>10477</p>  <p><b>BEAM-BEAM BRACKET</b> BBCB220##</p>	<p>10601</p>  <p><b>BEAM-WALL BRACKET</b> BWCB220##</p>	<p>10600</p>  <p><b>BEAM-WALL WASHER PLATE</b> BWCBWPOGA</p>			
<p>Note: The minimum supplied length for Outback 220mm Beam is 3000mm. If shorter Beams are required they will need to be cut to length on-site.</p>				<p>10584 10587 10590 10583 10596</p>  <p><b>SHS COLUMN CONNECTOR (LEFT-HAND)</b> OBSC220L65##, OBSC220L75##, OBSC220L90##, OBSC220L100##, OBSC220L125##</p>	<p>10585 10588 10591 10594 10597</p>  <p><b>SHS COLUMN CONNECTOR (RIGHT-HAND)</b> OBSC220R65##, OBSC220R75##, OBSC220R90##, OBSC220R100##, OBSC220R125##</p>	<p>10586 10589 10592 10595 10598</p>  <p><b>SHS COLUMN CONNECTOR (INLINE)</b> OBSC220IL65##, OBSC220IL75##, OBSC220IL90##, OBSC220IL100##, OBSC220IL125##</p>
<p>10599</p>  <p><b>220 BEAM END CAP</b> BECA220##</p>	<p>10602</p>  <p><b>INLINE BEAM JOINER</b> OBIJ220##</p>	<p>11466 11469</p>  <p><b>SHS COLUMN CONNECTOR (SUNROOF) (LEFT-HAND)</b> OBSS220L100## OBSS220L125##</p>	<p>11467 11470</p>  <p><b>SHS COLUMN CONNECTOR (SUNROOF) (RIGHT-HAND)</b> OBSS220R100## OBSS220R125##</p>	<p>11468 11471</p>  <p><b>SHS COLUMN CONNECTOR (SUNROOF) (INLINE)</b> OBSS220IL100## OBSS220IL125##</p>		

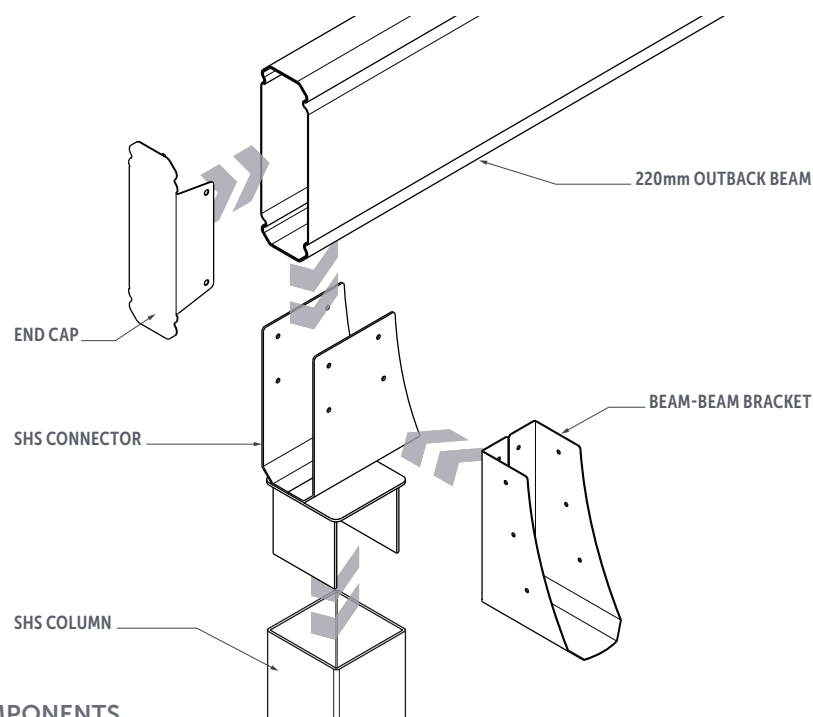


FIGURE 1.0 - BASIC COMPONENTS

# Outback 220mm Beam Installation Guide

## Beam to Column Installation

### SHS Connector (Left-Hand or Right-Hand)

Ensure the 220mm Outback Beam is firmly nested in the bottom of the SHS Connector, and that the end of the Beam is flush with the edge of the SHS Connector cradle. Push the Beam End Cap into the end of the 220mm Outback Beam, ensuring it is fully inserted and there are no visible gaps (Figures 1.0 & 2.0).

Fix the SHS Connector to the 220mm Outback Beam using 8x Outback Self-Drilling Screws through the pilot holes provided (Figure 2.0).

Note: Refer to "SHS Connector Screw Locations" (Figure 5.0) for details for securing SHS Connectors to Columns.

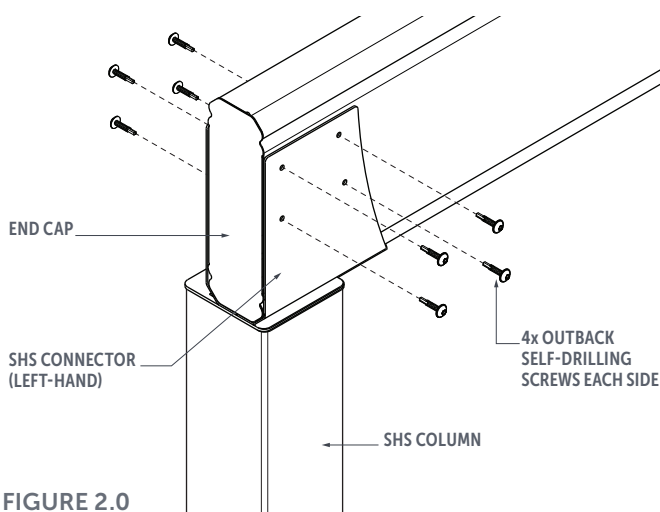


FIGURE 2.0

### SHS Connector (Inline)

Ensure the 220mm Outback Beam is firmly nested in the bottom of the Inline SHS Connector.

Fix the SHS Connector to the 220mm Outback Beam using 8x Outback Self-Drilling Screws through the pilot holes provided (Figure 2.1).

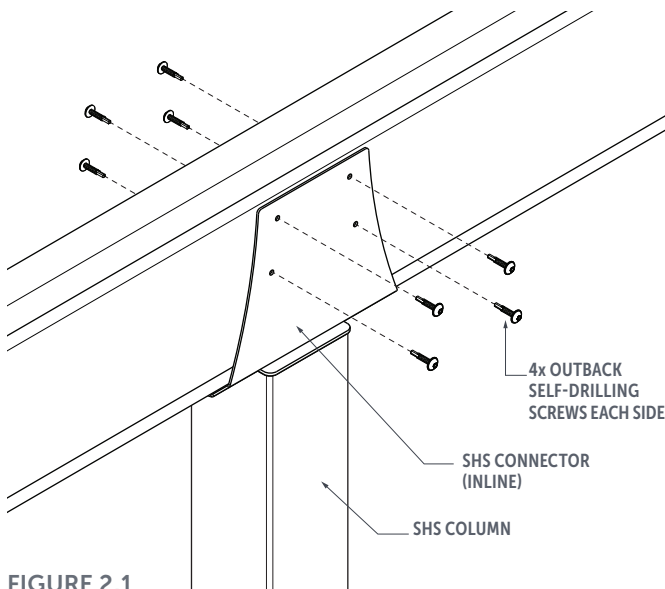


FIGURE 2.1

## Bracket Installation

### Beam-Beam Bracket (to SHS Connector)

Position the Beam-Beam Bracket on the SHS Column Connector so the pilot holes align. Fix the Beam-Beam Bracket to the SHS Connector and 220 Beam using 6x Outback Self-Drilling Screws through the pilot holes provided (Figure 3.0).

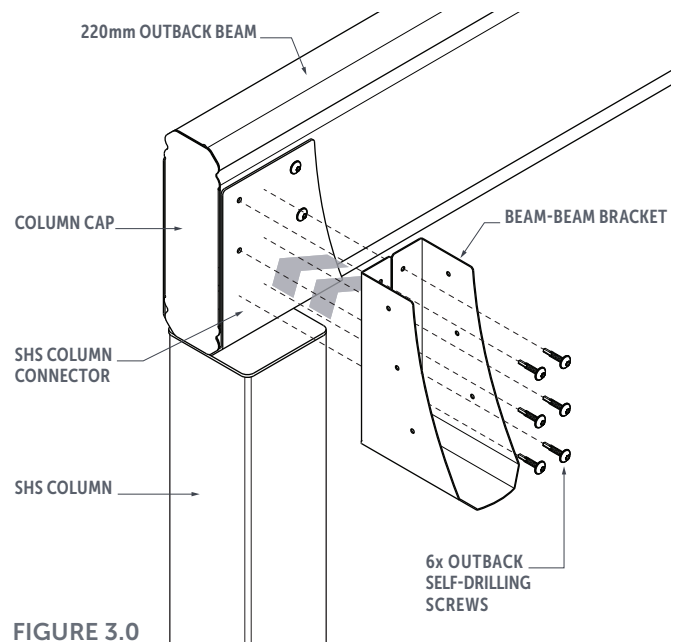


FIGURE 3.0

### Beam-Beam Bracket (directly to Beam)

Position the Beam-Beam Bracket so that it is flush with the bottom face of the 220mm Outback Beam (Figure 3.1).

Fix the Beam-Beam Bracket to the Beam using 6x Outback Self-Drilling Screws through the pilot holes provided (Figure 3.1).

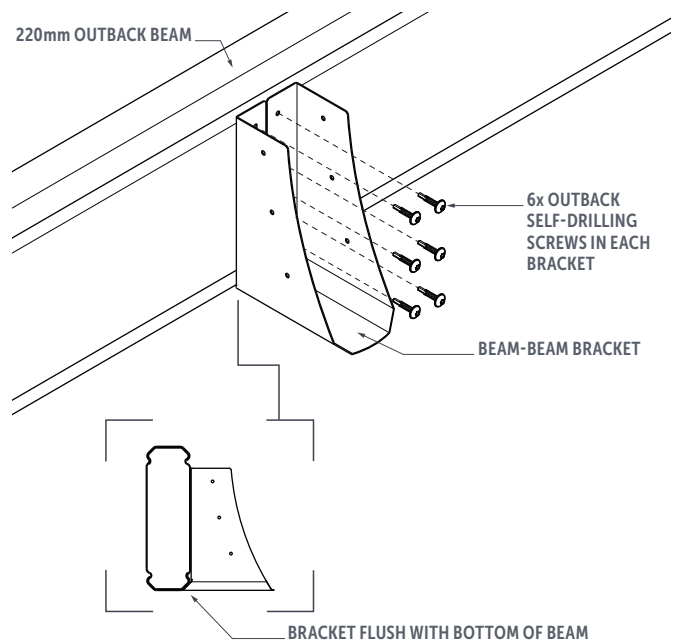


FIGURE 3.1

### Beam-Wall Bracket

Measure and mark the location of the Beam-Wall Bracket, keeping a minimum distance of one brick to the corner. Fix the Beam-Wall Bracket to the wall using 2x M10 Masonry Anchors with a minimum embedment of 65mm, or 2x 10mm diameter Screwbolts with a minimum embedment of 65mm. 1x anchor is required on either side of the bracket centreline (Figure 3.2).

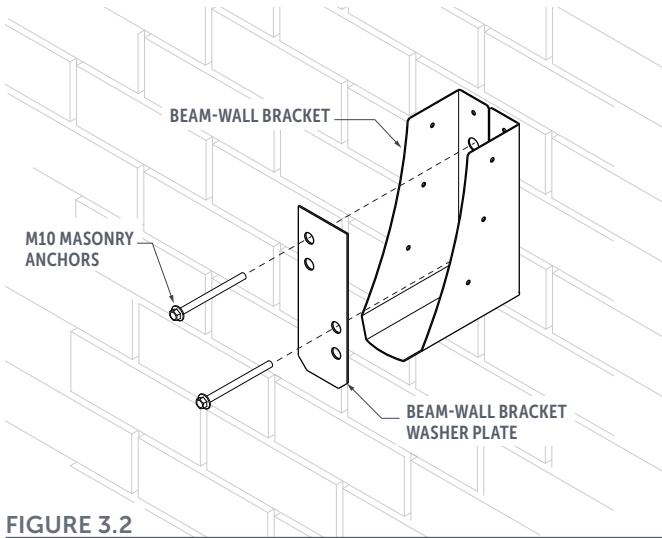


FIGURE 3.2

### Split Beam Column Connection

Position the Beam-Wall Bracket on the Column so the top of the Bracket is 35mm from the top of the SHS Column Cap (Figure 3.3). Ensure the outside face of the Beam-Wall Bracket is flush with the outside face of the Column (Figure 3.3).

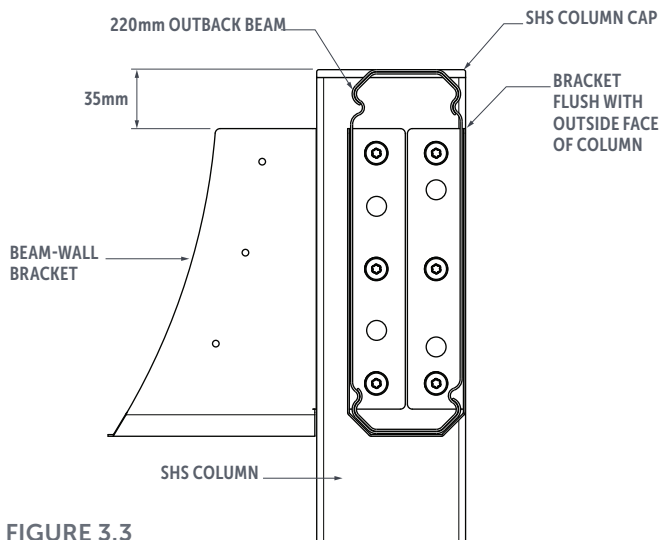


FIGURE 3.3

Fix the Beam-Wall Bracket to the Column using 6x Outback Self-Drilling Screws through the pilot holes provided (Figures 3.4 & 3.5).

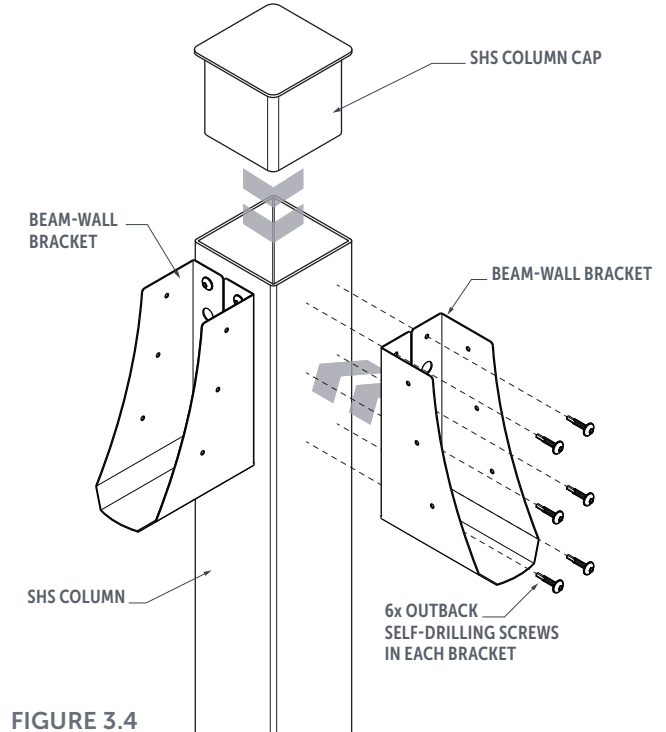


FIGURE 3.4

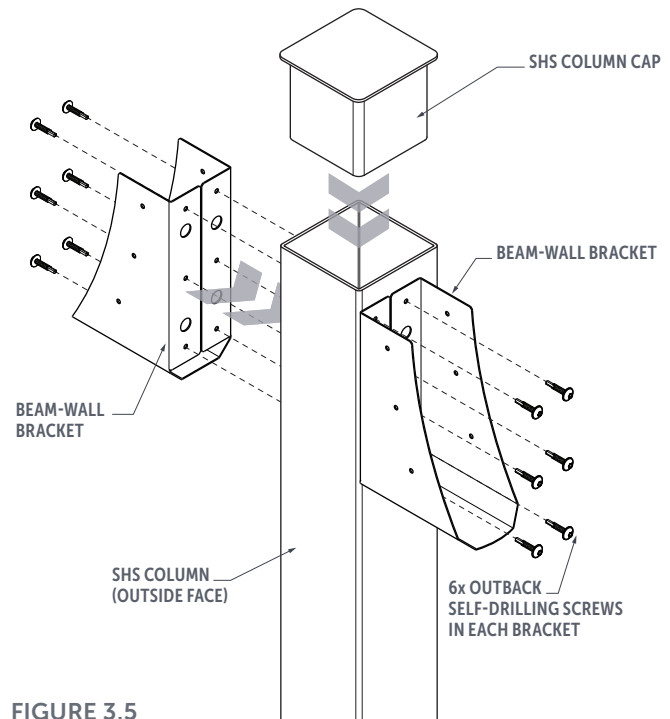


FIGURE 3.5



## SHS Connector Screw Locations

Measure and mark the screw locations for the SHS Connectors to the SHS Columns.

Pre-drill holes through both the SHS and the SHS Connector using a  $\varnothing 4\text{mm}$  drill bit.

Fix the SHS Connector to the SHS Column using 4x Outback Self-Drilling Screws in each side (Figure 5.0).

**Note:** These screw locations are critical for engineering compliance.

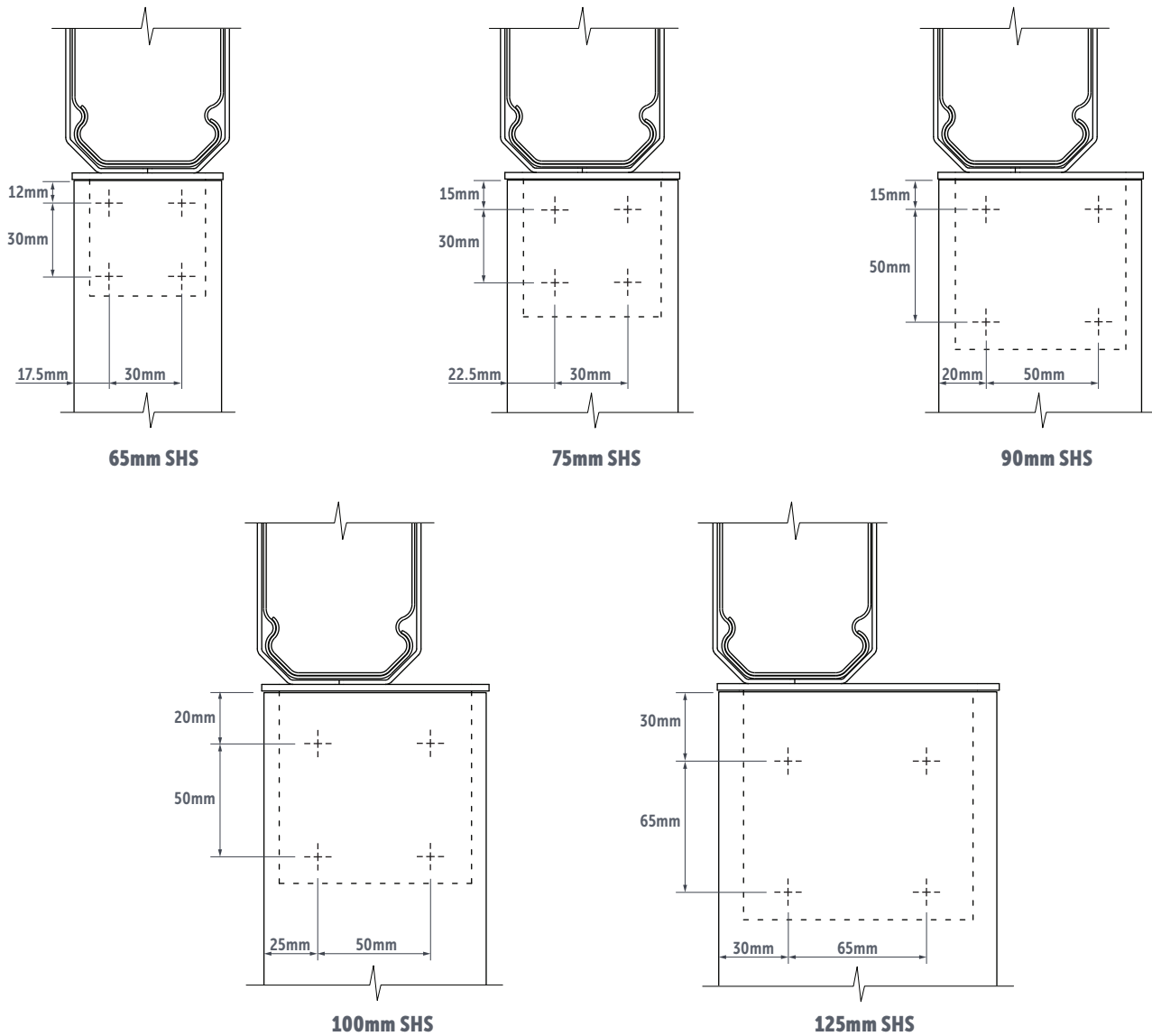


FIGURE 5.0

## Maintenance

Regular maintenance is essential to maintain the good looks of all Stratco steel products and to ensure you receive the maximum life-span possible.

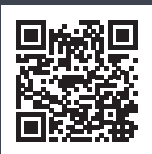
Washing with clean water must be frequent enough to prevent the accumulation of dust, salts, and pollutants that may reduce the life of the product.

Stratco steel products that are regularly washed by rain require no additional maintenance.

No Stratco steel 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 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. Refer to the 'Selection, Use and Maintenance' brochure for more information.



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**How To.**

