



GABLE HOMELINE[®]

CARPORT & PATIO

BEFORE YOU START

It is important to check your Local Government Authority requirements before the installation of your new Stratco Gable Homeline Patio. It is the builder's responsibility to ensure any existing structure the Gable Homeline Patio is being attached to is adequately reinforced to accommodate the additional loads imposed by the patio. Read these instructions thoroughly before starting your project and refer to them constantly during each stage of construction. Contact Stratco for advice if you do not have the necessary tools or information.

Before starting, lay out the main components in order of assembly on the ground and check them against the delivery note. The 'Components' section identifies each part of your Gable Homeline Patio and shows the relative location of the components.

Mark out the overall area of your Gable Homeline Patio and ensure that it is free from obstructions. Beam to wall connections can cause difficulty if they coincide with door and window openings, so avoid these in your design. Ensure there is reasonable access for materials and working space and consider the disposal of run-off water. Check the column and beam positions on the ground; roughly check they are square by measuring the diagonals, then mark out the column locations. If columns are to be 'in ground', dig the holes to Stratco specifications.

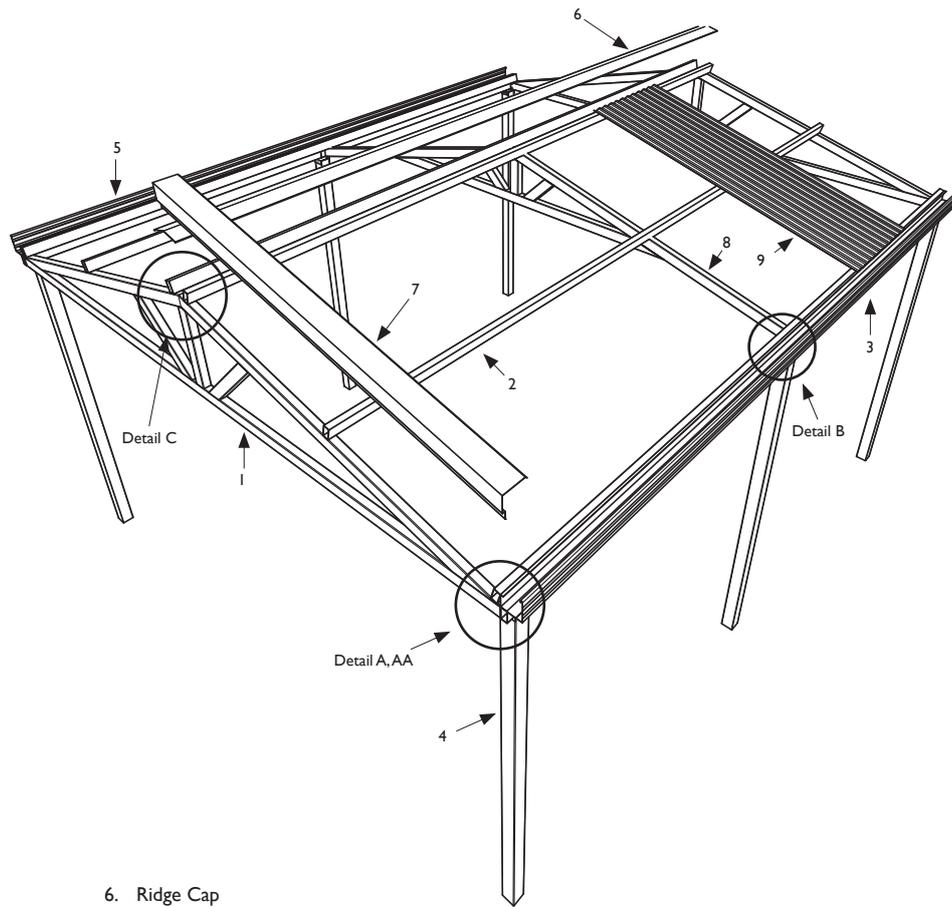
ADDITIONAL MATERIALS

The Gable Homeline Patio kit does 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.

TOOLS REQUIRED

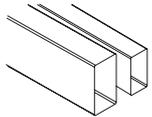
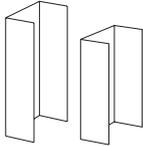
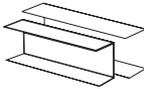
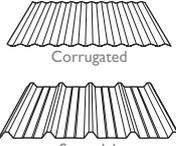
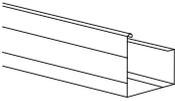
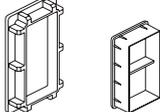
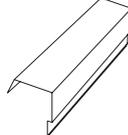
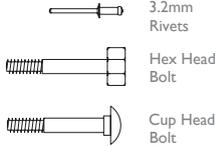
						
Rivet Gun	Multi-grip Pliers	Adjustable Spanner	Power Drill	Hex Head Adapter	Drill Bit	Tin Snips
						
Clamps	Hacksaw	Caulking GunS	silicone	Tape Measure	Spirit Level	String Line
						
Safety Glasses	Gloves	Step Ladder	Permanent Marker	Concrete	Post Hole Digger	Adjustable Construction Props

COMPONENT LAYOUT

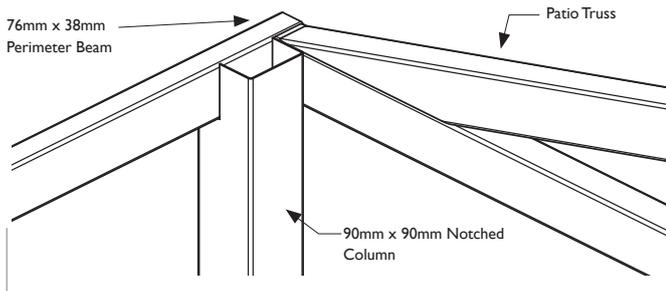


- | | |
|-------------------------|----------------------------------|
| 1. Truss (Type B shown) | 6. Ridge Cap |
| 2. Purlin | 7. Barge |
| 3. Ring/Side Beam | 8. Internal Truss (Type B shown) |
| 4. Column | 9. Roof sheeting |
| 5. Gutter | |

COMPONENTS

 <p>76 Beam - 76 x 38 x 1.6mm 100 Beam - 100 x 50 x 1.6mm</p>	 <p>Internal Beam Brackets</p> <ul style="list-style-type: none"> • Beam to beam bracket • Column to beam bracket • Column to slab bracket 	 <p>Inline Connector</p> <p>Used to connect two lengths of beam together. Note: this is a non-structural joint and must be supported by a column.</p>	 <p>Roof Sheet</p> <ul style="list-style-type: none"> • Corrugated, • Superdek, • Prodek, • Smoothdek, • Cooldek 	 <p>VF Gutter</p> <p>Accessories include gutter stop ends, straps, downpipes and downpipe outlets.</p>	 <p>Beam End Caps (optional)</p> <p>Plastic end caps are used to cap the ends of beams for a more complete finish.</p>
<p>Beams & Columns</p>	<p>Internal Beam Brackets</p> <ul style="list-style-type: none"> • Beam to beam bracket • Column to beam bracket • Column to slab bracket 	<p>Inline Connector</p> <p>Used to connect two lengths of beam together. Note: this is a non-structural joint and must be supported by a column.</p>	<p>Roof Sheet</p> <ul style="list-style-type: none"> • Corrugated, • Superdek, • Prodek, • Smoothdek, • Cooldek 	<p>VF Gutter</p> <p>Accessories include gutter stop ends, straps, downpipes and downpipe outlets.</p>	<p>Beam End Caps (optional)</p> <p>Plastic end caps are used to cap the ends of beams for a more complete finish.</p>
 <p>Barge Cap</p> <p>The barge cap covers the area where the roof sheet finishes at the portal frame.</p>	 <p>Ridge Cap</p> <p>The ridge cap covers the roof sheets at the gable apex.</p>	 <p>Hex Head Self Drilling Screws</p> <p>Screw types vary depending upon the connection, ensure correct fixings are used.</p> <ul style="list-style-type: none"> • 10 x 16mm • 12 x 20mm • 12 x 35mm 	 <p>Bolts and Rivets</p> <p>Fastener types vary depending upon the connection, ensure correct fixings are used.</p> <ul style="list-style-type: none"> • 3.2mm Rivets • Hex Head Bolt • Cup Head Bolt 		
<p>Barge Cap</p> <p>The barge cap covers the area where the roof sheet finishes at the portal frame.</p>	<p>Ridge Cap</p> <p>The ridge cap covers the roof sheets at the gable apex.</p>	<p>Hex Head Self Drilling Screws</p> <p>Screw types vary depending upon the connection, ensure correct fixings are used.</p> <ul style="list-style-type: none"> • 10 x 16mm • 12 x 20mm • 12 x 35mm 	<p>Bolts and Rivets</p> <p>Fastener types vary depending upon the connection, ensure correct fixings are used.</p> <ul style="list-style-type: none"> • 3.2mm Rivets • Hex Head Bolt • Cup Head Bolt 		

CONSTRUCTION



Detail A: Type A standard notched column corner connection

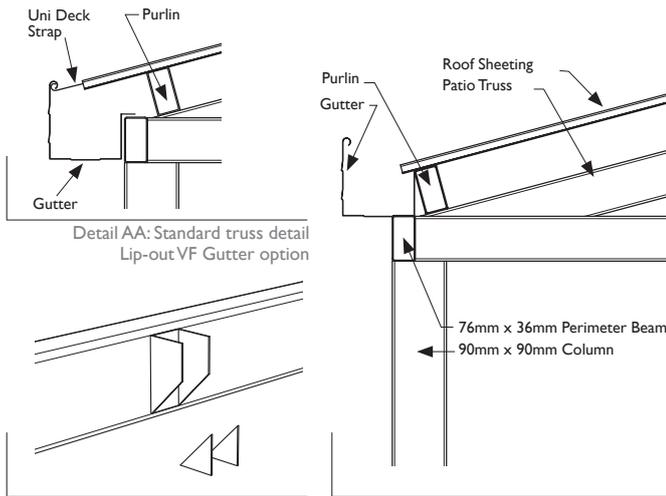


Figure 1

Install patio brackets to side beams first whilst on the ground. Two 12 x 20mm self drilling screws through the bracket. Install column brackets as shown in figure 2. This is positioned on the underside of the side beams, 38mm or 50mm from the end depending on the truss material.

For intermediate trusses that have a raised bottom chord it will be required for the patio bracket to be trimmed back as shown in Figure 1.

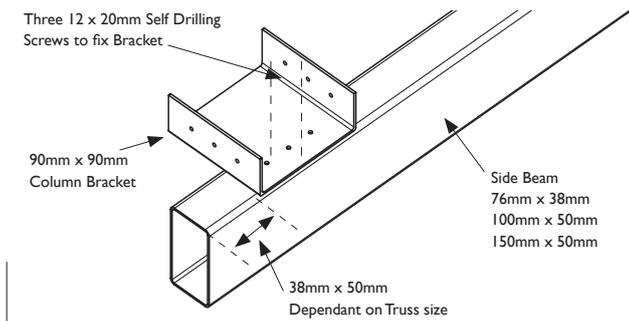


Figure 2

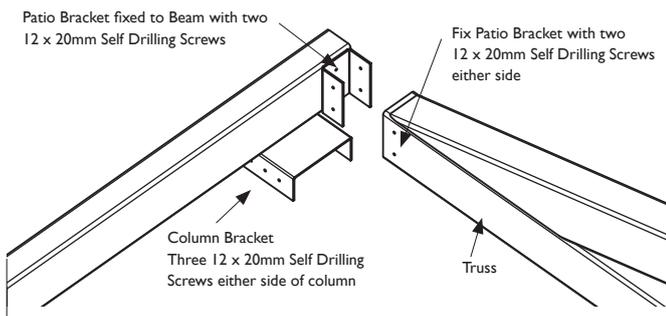
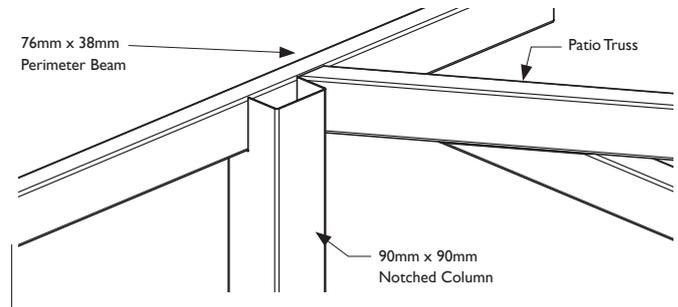


Figure 3

When installing purlin brackets to trusses it is easiest to lay all trusses on top of one another, clamping them together. Set out brackets from the end and peak first coming in 70mm. Measure equally for intermediate purlins.



Detail B: Type B Truss Connection

- When posts extend into the ground be sure to place a bracket under the column. It is also necessary to screw some self drilling screws into the column to provide adequate bonding to the concrete.
- When all Trusses are erected, columns can be placed in position. Columns are connected to the column brackets with three 12 x 20mm self drilling screws as shown in Figure 3.
- Purlins are connected to trusses via the purlin brackets previously installed, Two 12 x 20mm self drilling screws are fastened into the purlin and the purlin bracket is connected to the truss as shown in Figure 4.

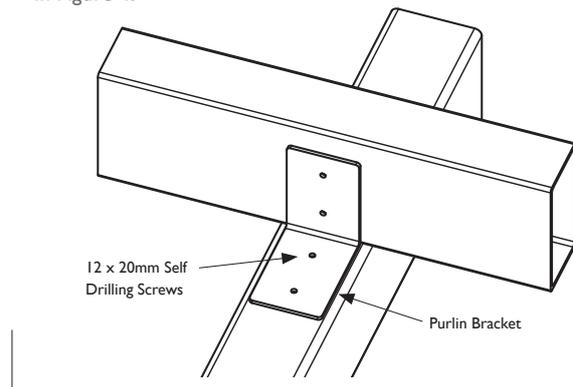


Figure 4

If you have chosen an under ridge option (optional extra), it is fixed to the two top purlins with rivets at 1000mm spacings.

There are two options for fixing gutters:

1. The VF Lip-out option combined with Uni Deck Straps attached to the gutter bead as shown in detail AA; or
2. Gutters attached by using a metal band supplied and cutting it into 70mm width straps. These straps are riveted to the top of the eaves purlins at 1200mm centres. Rivet the back lip of the gutter to these straps, ensuring the back face of the gutter is held vertical as shown in Figure 5.

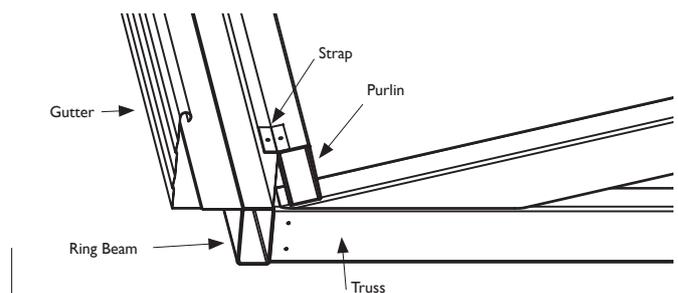
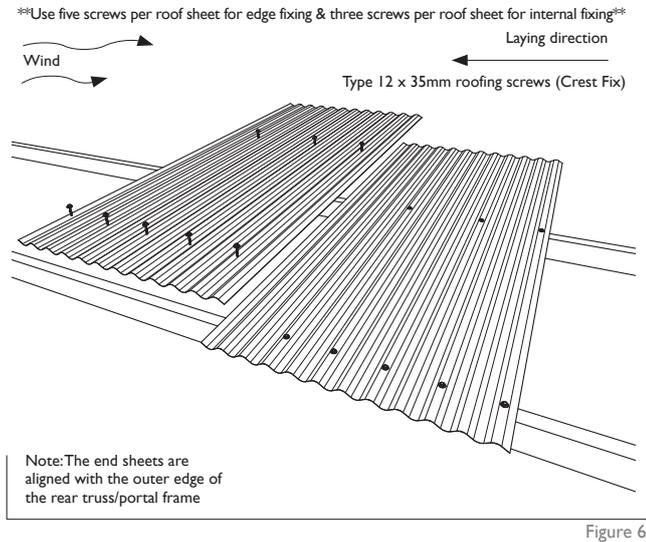


Figure 5

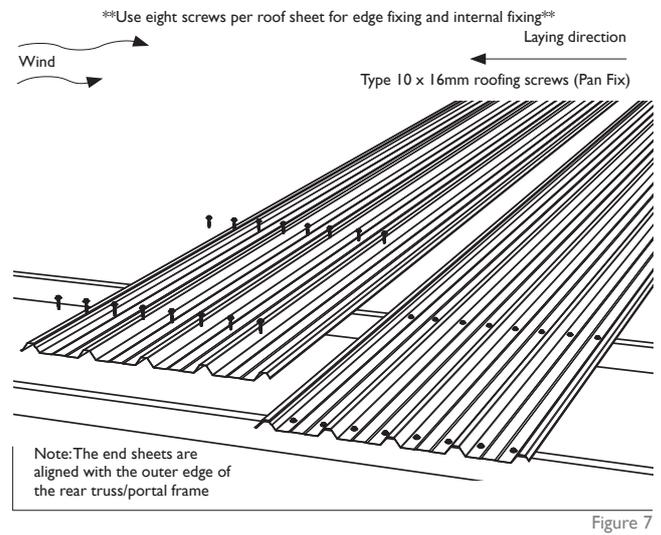
ROOF SHEETING

Begin sheeting at one end of the carport roof with the CGI sheets allowing for a 50mm overhang at the eaves into the gutter. The lap joint must always face away from the prevailing wind direction.



Crest fix CGI sheeting with 12 x 35mm self drilling screws using five per sheet for end spans and three per sheet for internal spans as per figure 6.

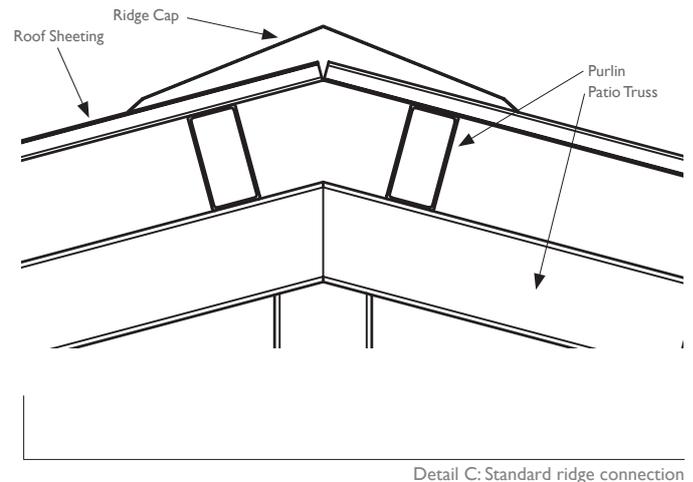
Pan fix Superdek sheeting with two 10 x 16mm self drilling screws per pan as per figure 7.



FLASHINGS

Once all the roof sheeting is fastened in place, attach the barge cap by riveting the lower lip to the rafter and screwing the top section to the purlin through the roof sheeting. Mitre the barge cap at the apex of the gable and finish neatly where it meets the gutter.

The ridge cap should finish flush with the end of the carport, overlapping the front and rear barge capping to provide a weather proof seal.



MAINTENANCE

Failure to maintain a regular maintenance programme may result in significant reduced lifespan (refer to the "Selection Use & Maintenance of Stratco Steel Products" brochure supplied).

Your new Homeline patio or carport should receive a wash and wipe down with a soft broom, mop or sponge as frequently as you should wash your car to maintain its duco. Stratco steel products which are regularly washed by rain require no additional maintenance.

In corrosive industrial or marine environments, the manufacturer recommends the use of colour steel with a stainless steel base. Contact Stratco for further details.



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