

Document: Installation Overview

Guide No: 019a

Description: Omega Canopy, Free-Standing, Gable-Roof, Type 1

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01 Essential Tools:

Item	Tool Description
01	Metal drill, dia. 3.8mm (for pilot holes for No. 8 x 16 self-tapping screws) SUPPLIED
02	Metal drill, dia. 4.6mm (for pilot holes for No.12 x 13 self-tapping screws) – may not be required for tie-bar bracket pilot holes. SUPPLIED
03	Driver Bit, Phillips Head, PH2 (for driving No.8 x 16 self-tapping screws) NOT Pozidriv. SUPPLIED
04	Driver Bit, Phillips Head, PH3 (for driving No.12 x 13 self-tapping screws) NOT Pozidriv. SUPPLIED
03	51mm Holesaw.
04	10mm Socket (for tightening M6 Nyloc Nuts).
05	Ratchet Driver for 10mm socket (item 04).
06	Spirit Level.
07	Power Drill/Driver, Hammer Drill (ideally cordless).
08	13 Amp Extension cable.
09	Marker Pen.
10	Soft Lead pencil.
11	Robust Step Ladder(s).
12	Digging Equipment for Supporting Post foundation holes.
13	Hacksaw.

02 Tools that will make installation easier:

Item	Tool Description
01	Sliding Compound Mitre Saw, 250mm dia.
02	Mitre Saw Bench.
03	Power Drill/Driver, SDS Drill – cordless.
04	Folding Saw Horses/Trestles.
05	Cement Finishing Trowel.
06	Power Jig Saw – cordless.
07	White Rubber Mallet.
08	Variety of metal drills.
09	Variety of Masonry drills.
10	Metal File.
11	Length of hosepipe (to get concrete foundation pads level (with each other)

03 Items to be supplied by Installer

Item	Item Description
01	Fixings for securing Supporting Post Feet.
02	Drill bits for fixings in 02
03	Sand and cement/ post mix and water for supporting post foundations (if this is the foundation regime for the posts).

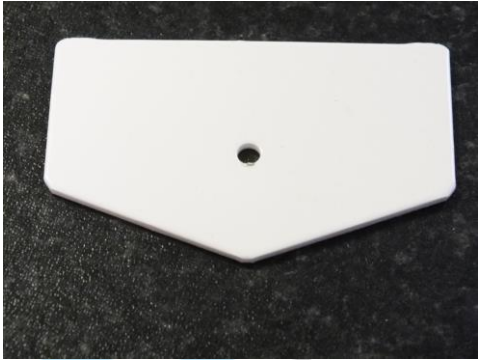

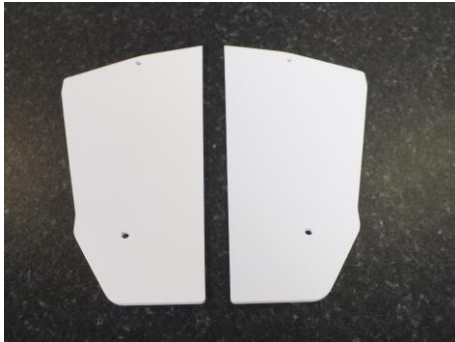
04 Canopy Main Components

Canopy Component	
RH Eaves Supporting Post/Tie-Bar Bracket/Knee Brace Bracket Assembly	
LH Eaves Supporting Post/Tie-Bar Bracket/Knee Brace Bracket Assembly	
Eaves Intermediate Supporting Post/Tie-Bar Bracket/Knee Brace Bracket Assembly	

Canopy Component	
Ridge Support Post	
Post Foot/Bracket joining Eaves/Gutter and Supporting Post	
Ridge (Wall-Plate Assembly)	



Canopy Component	
Eaves/ Gutter	
Edge Glazing Bar	
Main Glazing Bar	

Canopy Component	
Sheet Closure (for Roof Panel)	
Roof Panel with protective film on both upper and lower surfaces	
End Cap for Edge Glazing Bar	

Canopy Component	
End Cap for Main Glazing Bar	
End Plate for Eaves/Gutter	
End Plates for Ridge Assembly	




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Canopy Component	
Tie-Bar	
Rainwater Adaptor	

05 Overview of Installation Process (Main Stages):

Stage	Stage Description
01	<p>Set out and dig holes for foundations for supporting posts (for 750 cube of concrete). Foundation hole positions are shown at the end of this guide. Make hole(s) for egress of rainwater in Supporting Post(s) where this is required. <u>See Setting Out Hole Positions at end of this document.</u></p>  <p>Getting the foundation pads level at this stage saves a lot of time levelling the canopy frame later.</p>
02	<p>Assemble (2) Eaves/Gutter assemblies (joining (2) Eaves/Gutters together using joining plate).</p>  <p>Assemble Supporting post brackets to Eaves/Gutter assembly and store adjacent working area.</p> 
03	<p>Assemble Ridge assembly (joining (2) Ridge Assemblies together with joining plates and nuts and bolts into pre-drilled holes) and store adjacent working area.</p> 

<p>04</p>	<p>Assemble 'Goal-Post' frames (from Supporting Post/Tie-Bar Bracket assemblies and Tie-Bars). Assemble (1) Eaves/Gutter Supporting Post Assembly with (1) Tie-Bar and (1) Ridge Supporting Post Assembly for each 'Goal-Post' Frame This will require the (2) Supporting Post Brackets, Nuts and Bolts and Self-Tapping Screws.</p>  <p>This can be undertaken at ground level adjacent Foundation Holes</p>
<p>05</p>	<p>Install 'Goal-Post' frames onto foundation pads (with supporting post feet flat on the pad. Check levels.</p> 
<p>06</p>	<p>Fix Eaves/Gutter Assemblies to 'Goal Post' Frames</p> <p>Secure the outside 'goal-post' frames to the Eaves/Gutter first. Do not tighten nuts at this stage. Check levels. Tighten all nuts securing the wall-plate assembly and Eaves/Gutter to the 'goal-post frames.</p> 

<p>07</p>	<p>Fix Ridge Support Posts onto Tie-Bars (part of 'Goal-Post' assemblies)</p> <p>Fix Ridge Assembly to Ridge Support Posts.</p> <p>Do not tighten nuts at this stage. Check Levels</p>  
<p>08</p>	<p>Fit Roof Panels, edge and main Glazing Bar assemblies (Edge and Main Glazing Bars with Main Glazing Bar End caps fitted).</p> <p>Fit the Edge Glazing bar and secure in position.</p> <p>Working from one end of the canopy fit one roof panel followed by one Main Glazing Bar assembly alternatively until the last edge glazing bar has been installed in position.</p> <p>Do not secure the main glazing bars or last edge glazing bar at this stage.</p> 
<p>09</p>	<p>Position Main Glazing Bars –</p> <p>Check that the spacing between the Main Glazing Bars is correct.</p> <p>Mark these positions.</p> 

<p>10</p>	<p>Fitting Sheet Closures to Roof Panels. This will require that the roof panels are lifted to enable Main Glazing Bar End Caps to be loosened so that the Sheet Closures can be fitted behind the Glazing Bar End Caps.</p>	
<p>11</p>	<p>Secure the Main Glazing Bars in position at the Wall-Plate and the Eaves/Gutter. Check Spacing between Glazing Bars is correct against positions marked earlier.</p>	
<p>12</p>	<p>Installing Knee Braces: 1. Eaves to Supporting Posts. 2. Tie-Bars to Supporting posts.</p>	
<p>13</p>	<p>Secure the Supporting Post feet in position by the means that you have chosen. The recommendation is that the supporting posts feet are buried in minimum 750mm cube of concrete.</p>	