

Document: Installation Overview

Guide No: 017a

Description: Omega Canopy, Lean-To Style, Post-Supported, Glass-Clear Plate Polycarbonate Roof Panels

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01 Essential Tools:

Item	Tool Description
01	Metal drill, dia. 3.8mm (for pilot holes for self-tapping screws) SUPPLIED
02	Driver Bit, Phillips Head, PH2 (for driving the 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.

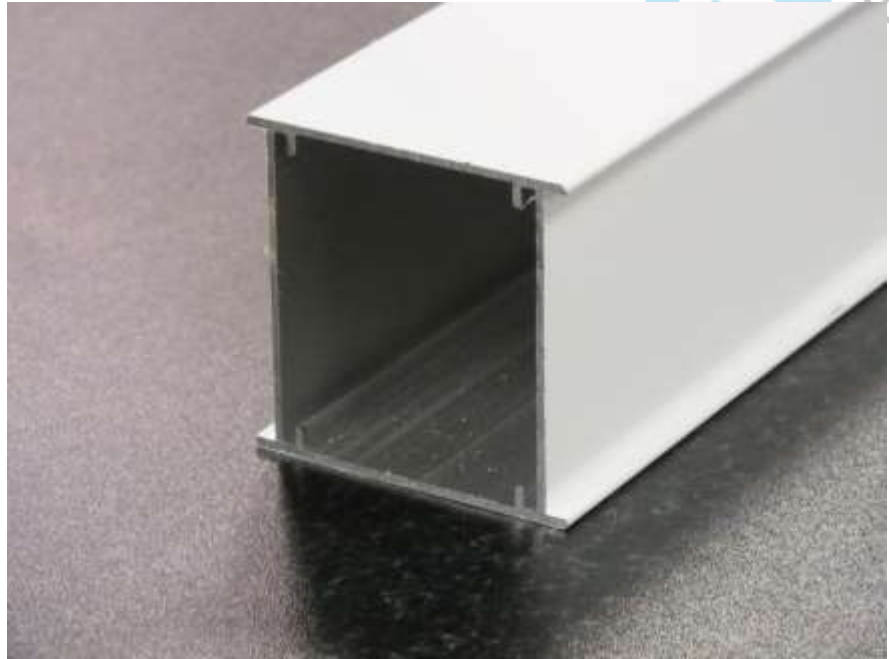
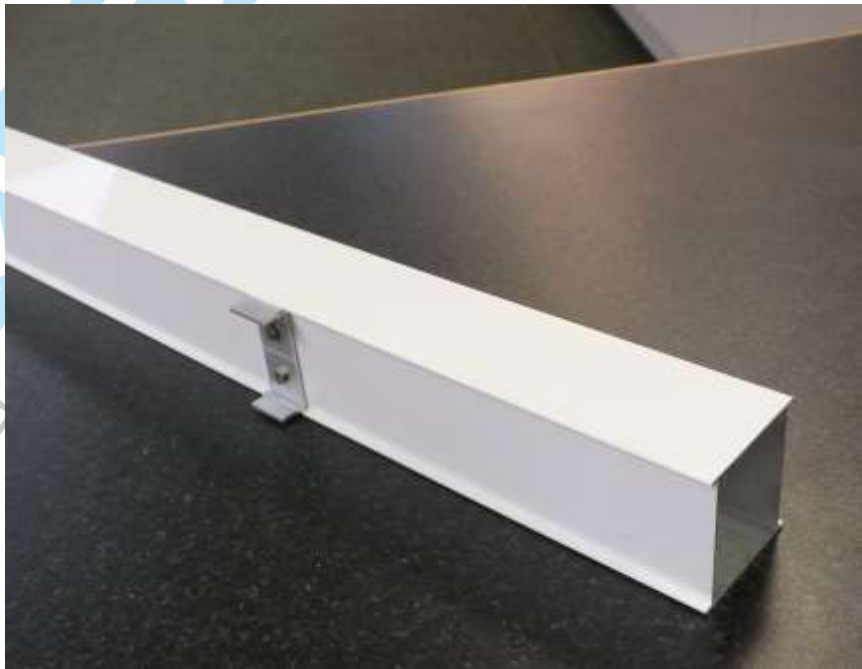
03 Items to be supplied by Installer

Item	Item Description
01	Fixings to secure Wall Plate – usually masonry fixings
02	Drill bits for fixings in 01
03	Fixings for securing Supporting Post Feet.
04	Drill bits for fixings in 02
05	Sand and cement/ post mix and water for supporting post foundations (if this is the foundation regime for the posts).

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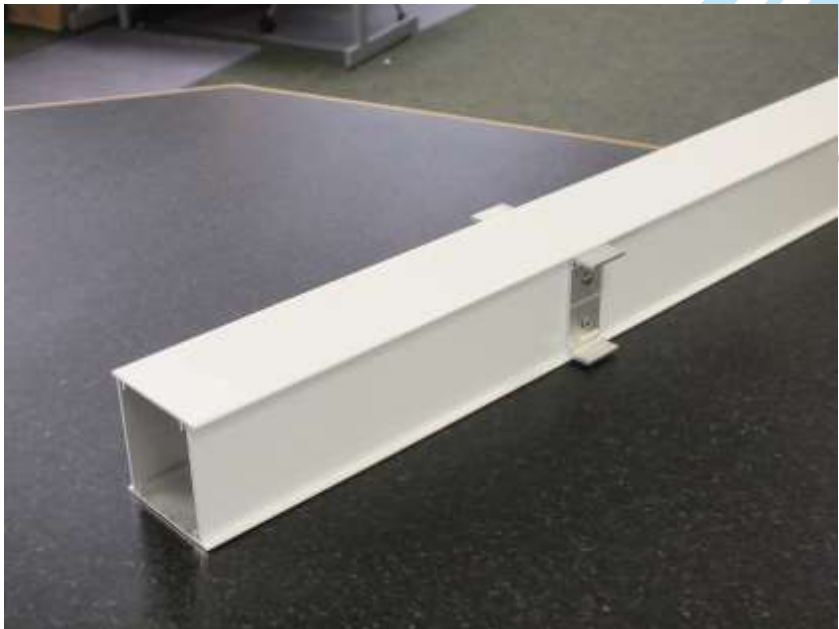

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04 Canopy Main Components

Canopy Component	
Supporting Post	
End Supporting Post/Knee Brace Bracket Assembly (only supplied with canopies with Knee Braces)	

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Canopy Component	
Intermediate Supporting Post/Knee Brace Bracket Assembly (only supplied with canopies with Knee Braces)	 A white, rectangular, hollow metal bracket assembly with a small metal fastener attached to its side. It is shown against a dark background.
Knee Brace (only supplied with canopies with Knee Braces)	 A white, rectangular, hollow metal knee brace with a sloped top surface. It is shown against a dark background.

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Canopy Component	
Post Foot/Bracket joining Eaves/Gutter and Supporting Post	
Wall-Plate	

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Canopy Component	
Eaves/ Gutter	
Edge Glazing Bar	

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Canopy Component	
Main Glazing Bar	
6mm Plate Polycarbonate roof panel assembly (with and without protective film removed)	

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Canopy Component	
End Cap for Edge Glazing Bar	 A white, trapezoidal plastic end cap with a circular hole on the left side, set against a dark background.
End Cap for Main Glazing Bar	 A white, trapezoidal plastic end cap with a circular hole in the center, set against a dark background.

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Canopy Component	
End Plate for Eaves/Gutter	
End Plate for Wall-Plate	

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Canopy Component	
Rainwater adaptor	 A photograph of a red, circular rainwater adaptor component. The component is a thick, orange-red plastic ring with a central hole. It is shown from a top-down perspective, resting on a dark, textured surface. The central hole is dark, suggesting it might be filled with a sealant or is a deep well. The component has a slightly raised, flange-like appearance.

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05 Overview of Installation Process (Main Stages):

Stage	Stage Description
01	Set out and dig holes for foundations for supporting posts (or, mark out locations for supporting posts if posts to be fixed using masonry fixings to fix to base. Make hole(s) for egress of rainwater in Supporting Post(s) where this is required. (This is not required if Supporting Posts are not to be secured by burying them in a concrete foundation).
02	Prepare and fix wall-plate (Ensuring alignment with supporting post positions).
03	Prepare Eaves/gutter – insert set screws into channels on Eaves/Gutter, fit brackets (one per post at this stage) in required position. Make hole(s) for rainwater drainage in Eaves/Gutter immediately above and central to Supporting Post(s) where rainwater drainage is required
04	Install Eaves gutter onto supporting posts. Make sure that your levels are as required at this stage.
05	Install and secure both Edge Glazing Bar assemblies (Edge Glazing Bars with Edge Glazing Bar End Caps fitted) at either end of the canopy. This will provide the canopy framework. Final Check of levels. Secure all brackets at the supporting post and Eaves/Gutter Joints.
06	Fit Roof Panel Assemblies and main Glazing Bar assemblies (Panels fitted with adaptor bars, Main Glazing Bars with Main Glazing Bar End caps fitted). Working from one end of the canopy fit one roof panel assembly followed by one Main Glazing Bar assembly alternatively until the last roof panel is to be fitted. Undo the self-tapping screw securing the Edge Glazing Bar at the Eaves/Gutter to enable the last roof panel to be fitted. Re-secure Edge Glazing Bar.
07	Position Main Glazing Bars – so that the spacing between the Main Glazing Bars is correct. Mark these positions.
08	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.
09	Installing Knee Braces (if required)
10	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 300mm cube of concrete.