

# THE "Perspective" GLAZED ROOF SYSTEM



Bespoke  
Glazed Installations

Roof Vents,  
Windows & Laylights

Folding, Sliding  
(Concertina) Doors

Conservatory Roof Kits  
& Accessories

Roof Garden Access &  
Emergency Escape Hatches

Opening Roofs &  
Succah Applications

Clerestory  
Lanterns & Orangeries

Rooflights, Skylights,  
Lanterns & Pyramids

The "Perspective"  
Glazed Roof System

*"Engineered To Take Out The Doubt!"*

## TECHNICAL SPECIFICATION

### 1. DESCRIPTION

1.1 THE "Perspective" ROOF SYSTEM IS DESIGNED AND FABRICATED FOR USE IN EXPOSED CONDITIONS.

1.2 THE ROOF SYSTEM IS OF EXTRUDED ALUMINIUM CONSTRUCTION WITH POLYESTER POWDER COATED PAINT FINISH.

1.3 FULL THERMAL BREAK IS ACHIEVED WITH INTEGRAL RESIN OR POLYAMIDE THERMAL BREAK IN THE RELEVANT PROFILES AND EXTRUDED PVCU GLAZING CARRIERS ON THE RAFTERS ENSURING NO 'COLD BRIDGES' ARISE WITHIN THE STRUCTURE.

1.4 THE ROOF SYSTEM COMPRISES A COMBINATION OF DEDICATED RIDGE BEAMS, RAFTERS, HIPS, EAVES BEAMS OF HOLLOW SECTION, TOGETHER WITH WALLPLATES, VALLEYS AND BOXGUTTERS, WHICH WILL ACCOMMODATE GLAZING WITH SEALED UNITS OR POLYCARBONATE SHEETS OF VARIOUS THICKNESS'.

1.5 RAFTER CONNECTIONS TO THE RIDGE ENDS – HIP, 'VICTORIAN AND EDWARDIAN' STYLES IS ACHIEVED WITH A CAST ALUMINIUM NEWELL BOX WHICH ELIMINATES THE REQUIREMENT FOR INTERNAL COVERS OR CLOAKS AND CLOSELY REPLICATES THE APPEARANCE OF TRADITIONAL TIMBER CONSERVATORIES.

1.6 RAFTER CONNECTIONS TO THE EAVES BEAM, RIDGE, HIPS AND VALLEYS ARE EFFECTED WITH INTERNAL (UNSEEN) STRUCTURAL CONNECTORS.

1.7 STRUCTURAL BOXGUTTERS ARE MECHANICALLY CONNECTED TO THE EAVES BEAM FOR GEOMETRIC CONTINUITY, USING S/S MACHINE SCREWS AND DESIGNED TO CONNECT TO WALL ABUTMENTS WHERE REQUIRED – ANGLES, INTRUSIONS AND CHUTES ARE FULLY T.I.G. WELDED FOR WATER PERFORMANCE INTEGRITY. (INTERNAL CLOAKING IS REQUIRED).

FEATURE GABLE ROOF



VICTORIAN 'P' SHAPED ROOF



PLINTH ROOF



DESIGNER CONSTRUCTION LTD  
91 ASHACRE LANE, WORTHING, SUSSEX, BN13 2DE

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1.8 GLAZING PANELS OR DOUBLE GLAZED UNITS ARE SEATED ON THE PVCU GLAZING CARRIER WHICH IS RETAINED WITHIN A PURPOSE DESIGNED RETAINING CHANNEL IN THE ALUMINIUM RAFTERS, HIPS, RIDGE AND VALLEY, WITH APPROPRIATE NON-MIGRATORY GASKETS, RETAINED EXTERNALLY WITH EITHER 'SNAP-FIT' OR 'SCREW-DOWN' ALUMINIUM CAPPINGS (POWDER COATED).

1.9 FOR ROOFLIGHT APPLICATIONS: WEATHERING TO A BUILDERS' KERB IS ACHIEVED WITH EITHER A THERMALLY DECOUPLED, POWDER COATED CILL EXTRUSION OR PURPOSE FORMED CREASED, FOLDED ALUMINIUM SKIRT – POWDER COATED.

1.10 VERTICAL, GLAZED CLERESTOREY ELEVATIONS ARE AVAILABLE IN MATCHING MATERIALS.

1.11 ROOF WINDOWS AND CLERESTOREY WINDOWS ARE AN OPTION – MANUAL OR POWERED.

### 2. PRODUCTION

2.1 MANUFACTURING SIZES ARE USUALLY TO THE INTERNAL EAVES BEAM DIMENSIONS. EXCEPT LEAN-TO'S WHERE THE WIDTH IS EXTERNAL. *CONSIDERATION MUST BE GIVEN TO THE REQUIRED RELATIONSHIP TO THE INTERNAL FINISHED KERB.*

2.2 ROOF PITCH FOR SINGLE PITCH ROOFS CAN VARY FROM A MINIMUM OF 5°.

2.3 THE PITCH IS NORMALLY CONSTANT – WHICH WILL DICTATE RIDGE LENGTH AND RAFTER POSITIONS.

HIP-ENDED ROOF



MONO PITCH / LEAN-TO ROOF



RADIAL END ROOF



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