

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!"

GUIDE TO BASIC ROOF DESIGN GEOMETREY

ALL 'CONSERVATORY' DIMENSIONS INTERNAL
ALL 'HEIGHTS' EXCLUDE FINIALS & CRESTINGS

RIDGE LENGTHS

Standard ridge length = [Roof length - half the roof width]

Important consideration for rafter positioning and alignment with elevation design to ensure traditional end attractive appearance.

FACET WIDTHS

3 facet: facet width = conservatory width x .414

Conversely, if you need a minimum facet size e.g. to fit double doors - divide the minimum size you can use by .414 to arrive at the minimum conservatory width.

5 facet: facet width = conservatory width x .267

ROOF HEIGHTS

To Calculate roof height for **Victorian & Square Hip roofs**

For standard pitches:

30 degrees (Half the width x **.577**) + 200 = height

25 degrees (Half the width x **.466**) + 200 = height

22.5 degrees (Half the width x **.414**) + 200 = height

What pitch for a specific height (or height restriction) ??

This requires a scientific calculator with an 'inverse', or 'shift' key.

Deduct 200mm from the overall roof height.

Divide by half the conservatory width.

Press 'shift' or 'inverse' button, followed by the 'tan' button.

This will give you the pitch.

Select the standard pitch to use - i.e. 22.5 / 25 / 30 degrees - whichever suits.

Important notes:

If a height restriction is below 22.5 degrees, check before commitment.

Tie bars are required on all roofs with glass.

Tie bars required on all roofs widths from 4m upwards.

Tie bars required on all ridge lengths over 3m.

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