

# Howells Glazing Systems Ltd

## Full Thermally Broken Roof Light System

This is a full aluminium thermally broken system to meet the ever increasing demands of both thermal efficiency low maintenance materials to combine both modern and traditional and authentic appearance of timber structures.

Materials are powder coated to a high quality finish and are available in any RAL or BS Colour of your choice. Different internal & external profile finishes are available (i.e ornate ogee, square or raked features) to suit your application.

System accommodates a multitude and different double glazed units thicknesses from 24mm – 35mm. Our D/G standard specification is 28mm thickness units Toughened Safety Glass – Low 'E' – Argon gas filled with a D/G U Value 1.2 W/m<sup>2</sup>.

D/G Units are available in Clear / Bronze / Green & Blue Tints ; Self cleaning finishes (Pilkington Active) and also Solar Controlled finishes such as Cool-Lite or Sun-cool just to name a few.



REF. C2954-[610] -ASCENT - TUNBRIDGE WELLS

**Job as shown above**

Style - Pyramid Rooflight

Internal kerb size :- 5000mm x 5000mm x 30 Deg Pitch - Powder Coated RAL 9910 SATIN White

Accessories :- 28mm D/G Units

**04 No. Electrical Roof Vents**

Triton Works, Woods Lane, Cradley Heath. West Midlands. B64 7AS. Tel. 0044 (0)1384 820060 Fax. 0044 (0)1384 860150

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**Job as shown above**

Style - Pyramid Roof Light

Internal kerb size :- 4138mm x 4138mm x 30 Deg Pitch - Powder Coated RAL 9910 Satin White  
Accessories :- 28mm D/G Units Pilkington 'Active' Self Clean

REF. 14212-[986] - Aspect Windows



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**Job as shown above**

Style - Pyramid Roof Light

REF. 14060-[1062] - Abbots Construction

Internal kerb size :- 1800mm x 1800mm x 30 Deg Pitch - Powder Coated RAL 5014 Satin Blue

Accessories :- 28mm D/G Units Pilkington 'Active' Self Clean - Grey Neutral Tinted

**Special features - Electrical Operated Trapazoidal Vent**



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**Job as shown above**

REF. 9743-[532] - Bacon

Style - Pyramid Roof Light

Internal kerb size :- 1500mm x 1500mm x 30 Deg Pitch - Powder Coated RAL 9910 Satin White

Accessories :- 28mm D/G Units Pilkington 'Active' Self Clean - Blue Tinted

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D/G Units are available in Clear / Bronze / Green & Blue Tints ; Self cleaning finishes (Clear Shield or Pro-Active) and also Heat reflective finishes such as Cool-Lite or Sun-cool just to name a few.



Architect :- Martin Rigby Associates Tel. 01207 524577

REF. 7140 - [316] Rigby

**Job as shown above**

Style - Pyramid Roof Light

Internal kerb size :- 1700mm x 1700mm x 30 Deg Pitch - Powder Coated RAL 9910 Satin White

**Special Features** :- 04 - 0. Electric Rack Motors raising roof light off kerb completely

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D/G Units are available in Clear / Bronze / Green & Blue Tints ; Self cleaning finishes (Clear Shield or Pilkington Active) and also Solar Controlled finishes.

We manufacture bespoke and standard style roofs. Roof pitches are available from 5 deg to 45 deg subject to the configuration. (30 degree being our standard pitch)



REF. 10128 [634/5] Ruston

**Job as shown above**

**Style - Double Hipped & Pyramid Roof Lights**

Internal kerb size :- 1500mm x 1500mm &  
3000mm x 2000mm x 30 Deg Pitch

Powder Coated :- RAL 9004 Matt Black



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REF. 9856-[688] - TR BUILDERS - BROMSGROVE

**Job as shown above**

Style - Pyramid Rooflight

Internal kerb size :- 1600mm x 1600mm x 30 Deg Pitch - Powder Coated RAL 9910 SATI White

Accessories :- 28mm D/G Units

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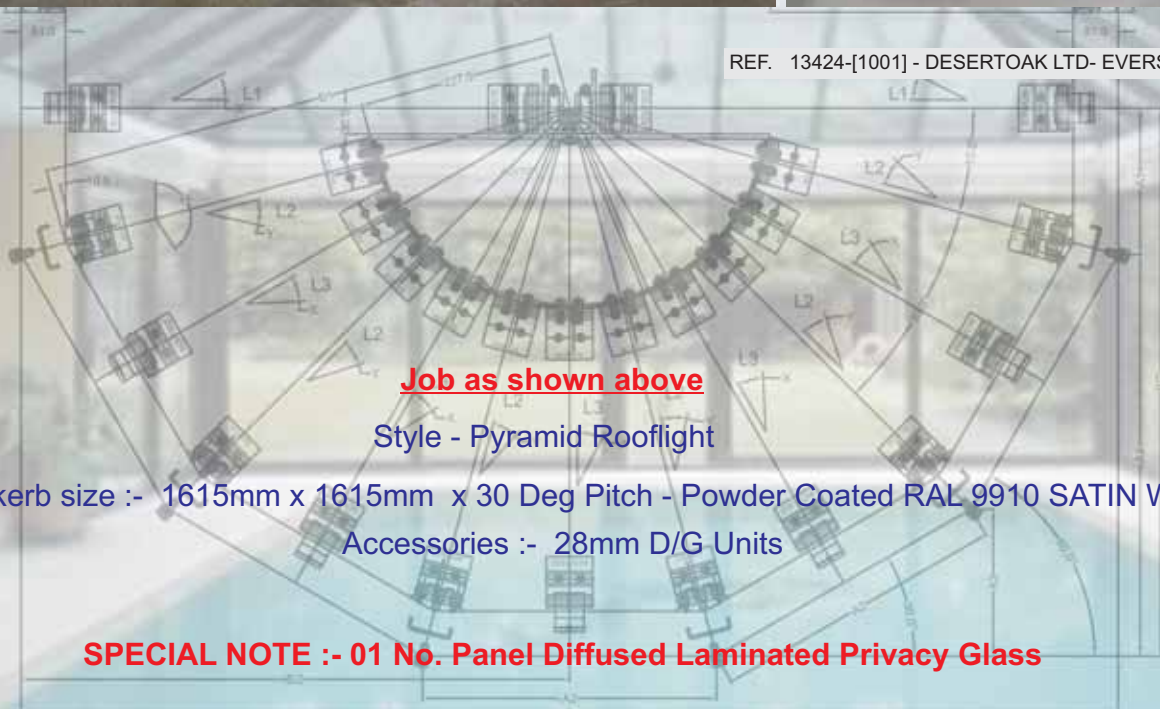
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REF. 13424-[1001] - DESERTOAK LTD- EVERSHAM

**Job as shown above**

Style - Pyramid Rooflight

Internal kerb size :- 1615mm x 1615mm x 30 Deg Pitch - Powder Coated RAL 9910 SATIN White

Accessories :- 28mm D/G Units

**SPECIAL NOTE :- 01 No. Panel Diffused Laminated Privacy Glass**

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Architect :- Adrian - Amazing Developments - 020 8325 0051

REF. 8106- [365] Amazing

**Job as shown above**

Style - Pyramid Roof Light

Internal kerb size :- 1800mm x 1800mm x 45 Deg Pitch - Powder Coated RAL 9910 Satin White

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REF. C5333 [974] - LADYWELL - POWYS

**Job as shown above**

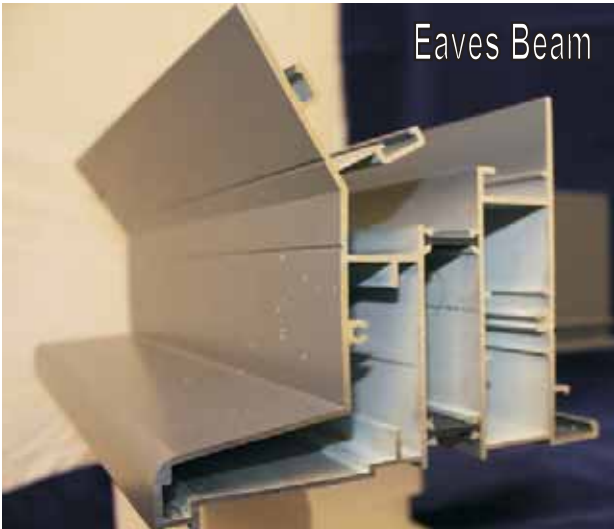
**Style - PYRAMID**

**Size :- 2050mm Projection x 2050mm Width x 55 Deg Pitch - Powder Coated RAL 7043 GLOSS**

**Accessories :- 28mm D/G Units**

**Special Features - NON STANDARD 55 DEGREE PITCH**

**Roofs are fabricated in mill then dis-assembled and powder coated to RAL colour of your choice**



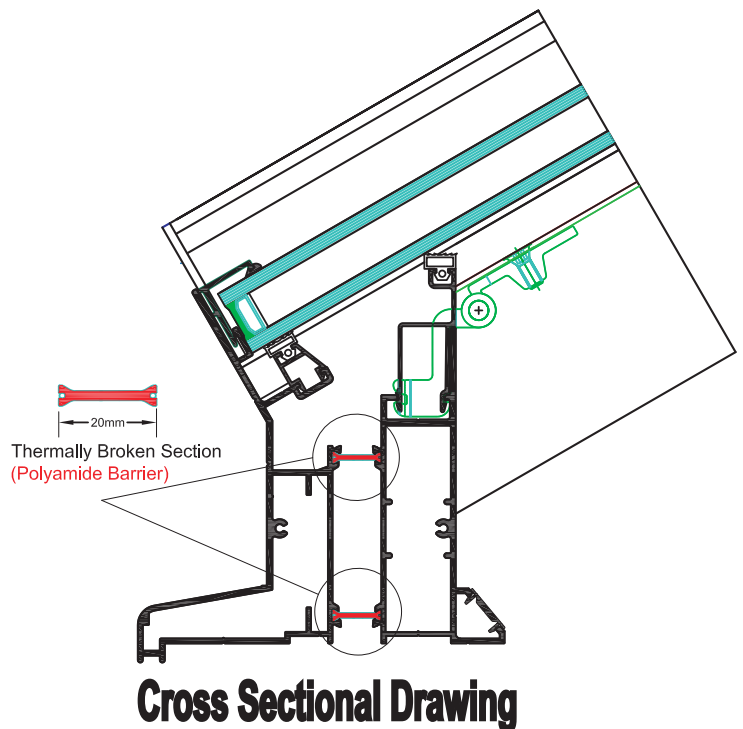
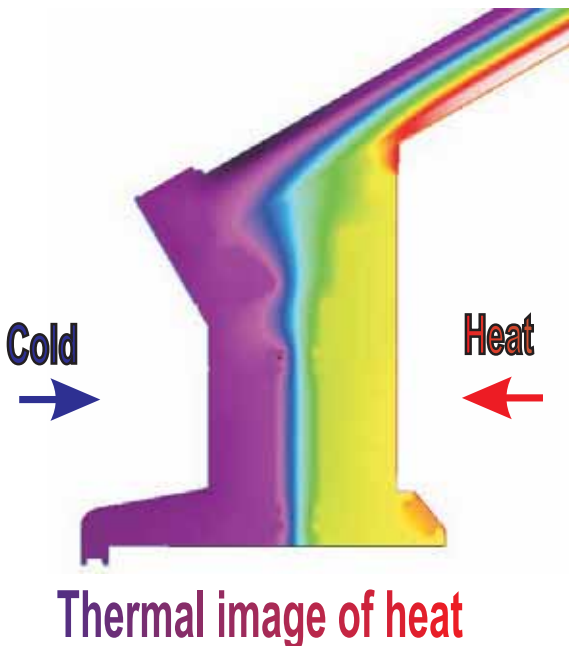
This system is the most thermally efficient rooflight system available on the market to date.

Both every internal and external component is isolated from each other by means of thermal barriers so that there is no cold bridges what so ever.

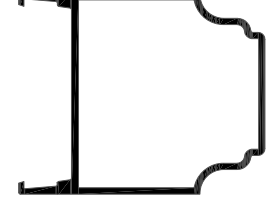
Please make sure you check this closely when comparing with other systems available on the market.

One additional feature that you may notice is that the double glazed unit and the glazing bar system do not project over the eaves beam.. (i.e this would cause a cold bridge to the underside of the D/G Unit.)

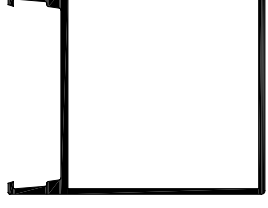
Eaves beam as shown is our 30 Degree fixed pitched  
(For use with double hipped / pyramid & octagonal style roofs.)



# GLAZING BAR PROFILES AVAILABLE



ORNATE PROFILE

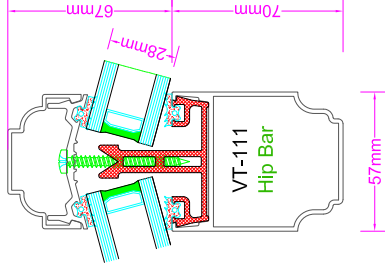
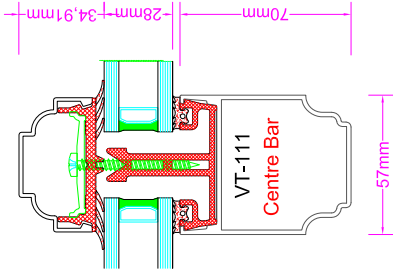


SQUARE PROFILE

## Standard Duty System

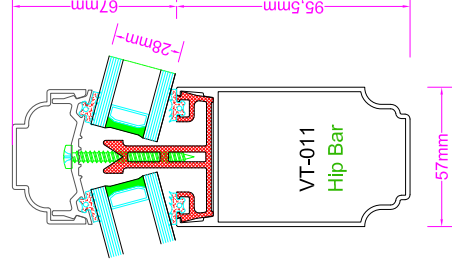
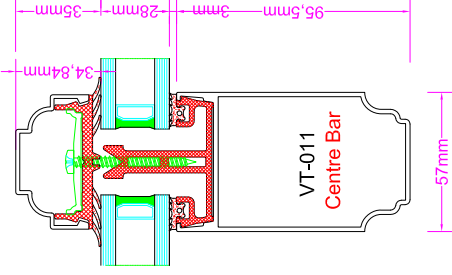
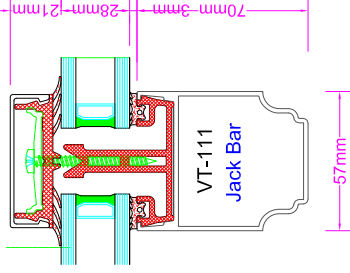
Typically for roofs up to 1500mm wide

## ORNATE PROFILE

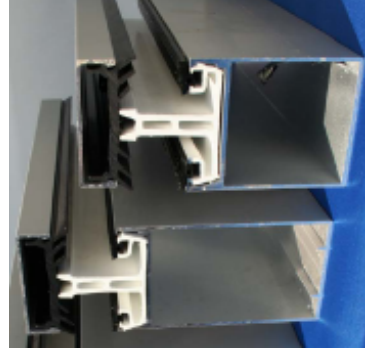
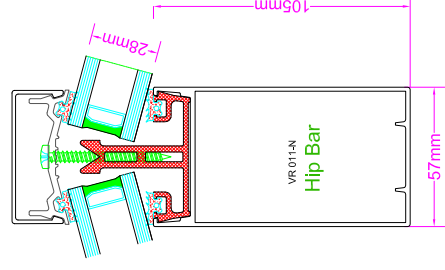
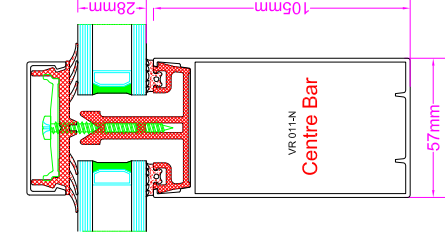
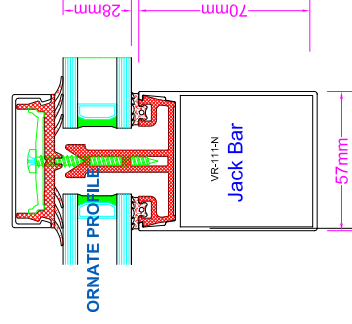
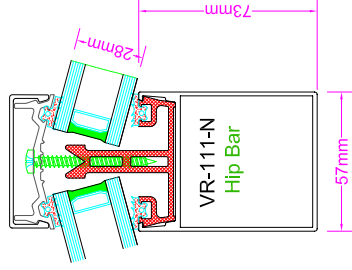
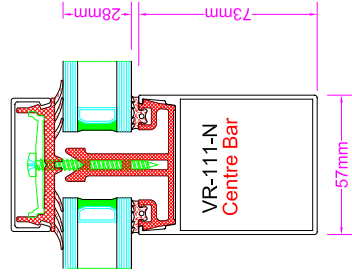


## Medium Duty System

Typically for roofs over 1500mm wide



## SQUARE PROFILE



# TYPICAL KERB DETAIL

MARCH 2011

