

# HGR 1

## Rafter Bar (Non Structural)

**28mm SQUARE**

### Product Description

This rafter glazing bar can be used as a glazing medium on timber framed, steel and aluminium structures.

The visual impact of this system is quite a dramatic aesthetic inside the building. As the aluminium bars sit on the wooden rafters, the view from below is of natural timber, which is protected from weather as it will never be exposed to the elements.

These bars can be painted in any RAL colour and when installed with double glazed units, the combined thermal properties ensure that the system meets with the new Document L standards.

This system will accommodate a multitude of different thicknesses from 6mm to 48mm by simply adjusting the length of external caps security screws. (However 28mm D/G is our standard) Hip / Ridge / Jack bars also available.

The caps can be supplied in either ornate or square finish.



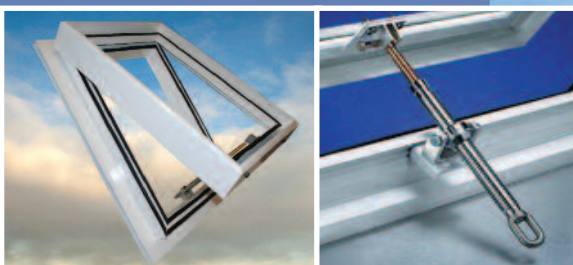
# Roof Vents Rooflights

Roof vents are purpose made to suit the rooflight and can incorporate glass thicknesses from 6 mm to 50 mm, with 28 mm double glazing as standard. The vents can be powder coated to match and can be in any standard RAL of your choice.



Special trapezoidal roof vents can be supplied made especially for multi-faceted and pyramid rooflights. The extra bars eliminated to create a smoother, tighter design aesthetic.

**There is a choice of opening mechanisms available to select from the following.**



Manual worm gear for use with an operating pole



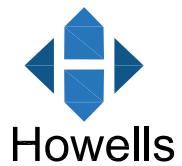
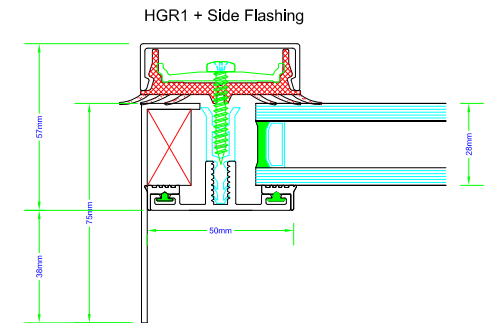
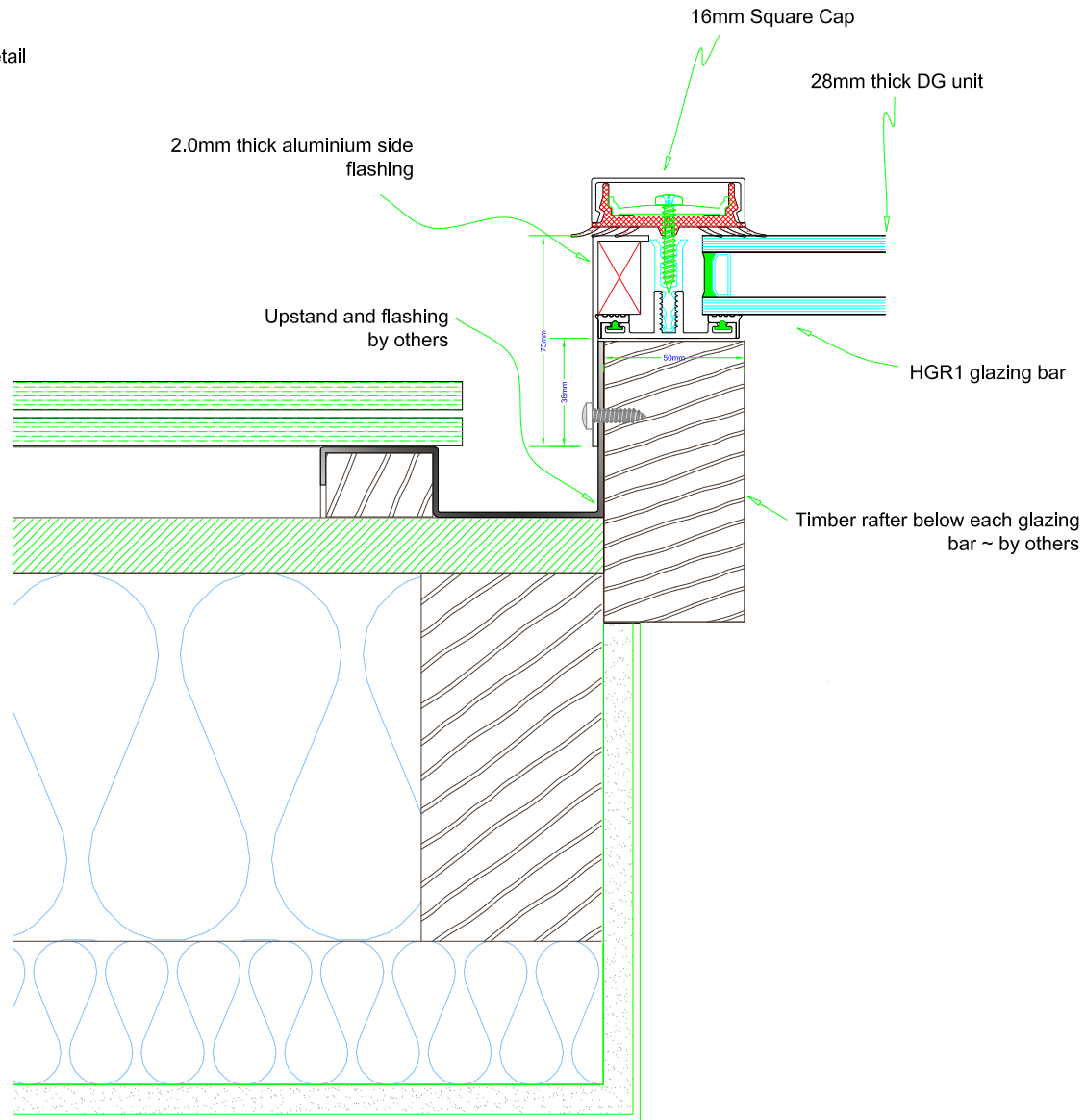
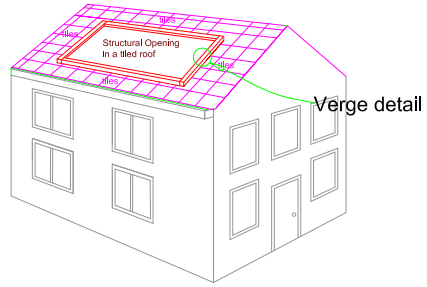
Electric motor which can be used with simple on/off switch



Or be controlled by a digital control unit that can operate multiple vents, in either 24 or 230 volt

An addition of **rain** or **smoke sensors** can also be incorporated to your design to suit your individual setting requirements.





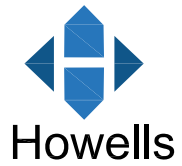
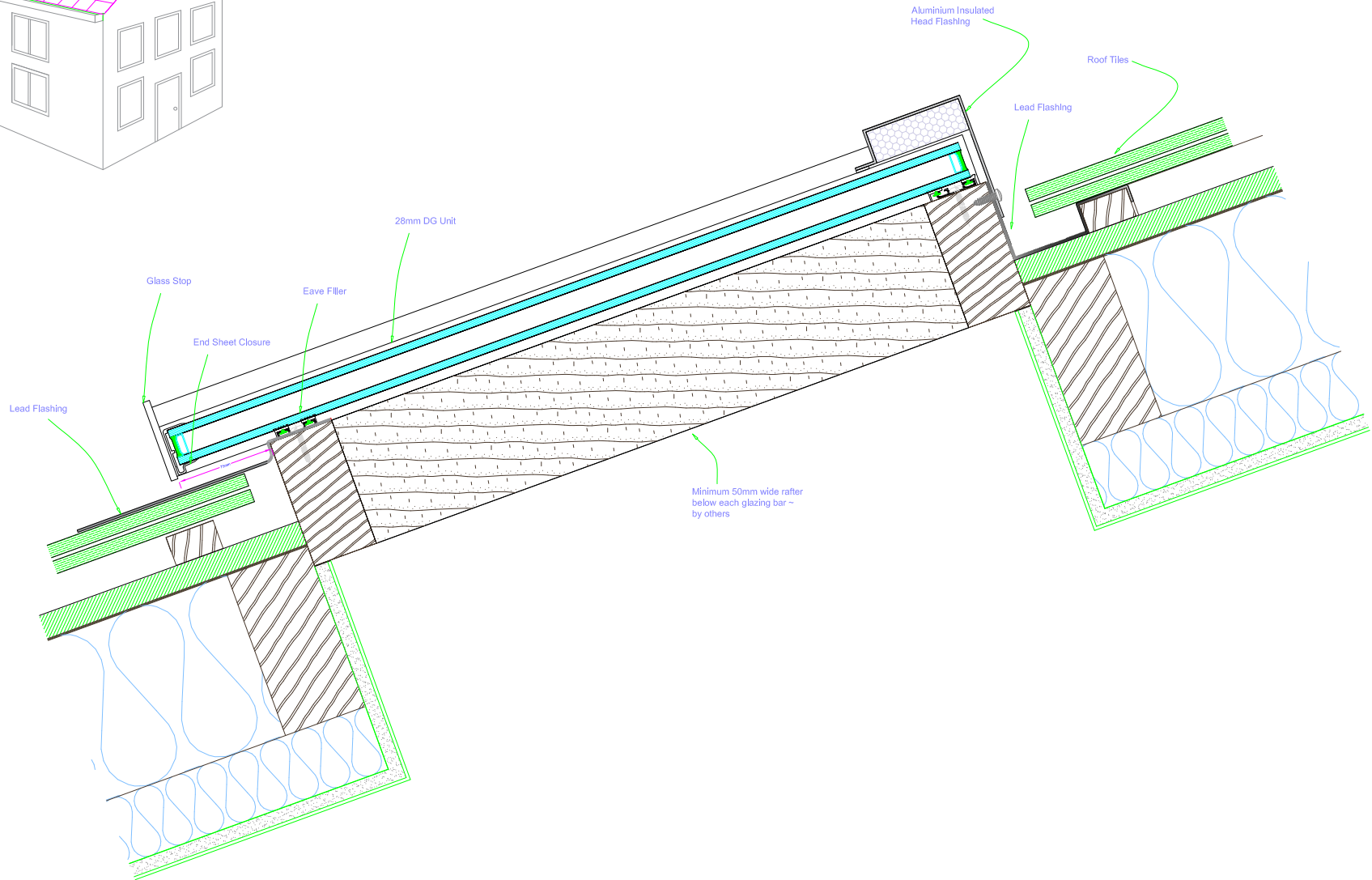
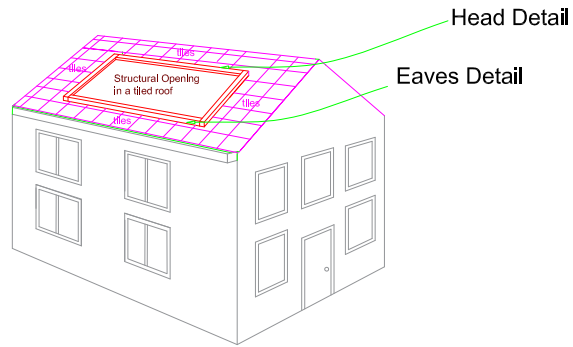
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 f. 01384 820061  
 e. sales@howellsglazing.co.uk

GLAZING SYSTEM  
**HGR1/DG28**

DRAWING REF  
**VERGE DETAIL**

DATE  
**07.11.2018**

PAGE  
**HGR1\_VERGE1**



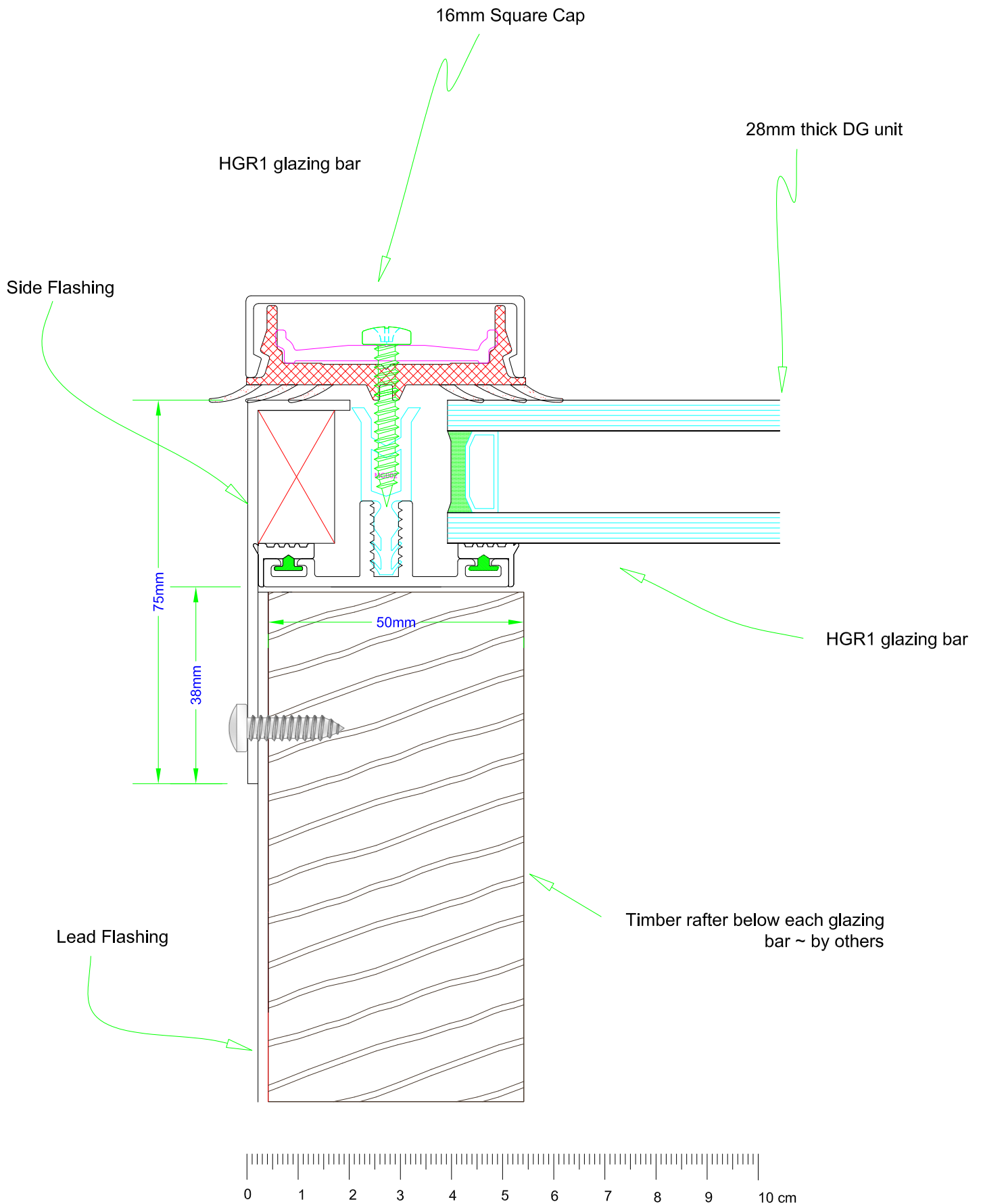
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GLAZING SYSTEM  
**HGR1/DG28**

DRAWING REF  
**HEAD / EAVES DETAIL**

DATE  
**07.11.2018**

PAGE  
**HGR1\_HEAD/EAVES 1**



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GLAZING SYSTEM

**HGR1 Range**

DATE

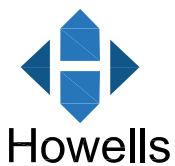
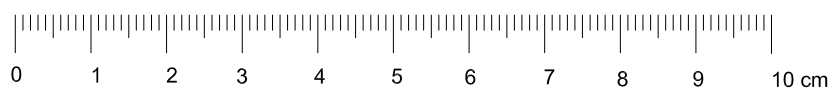
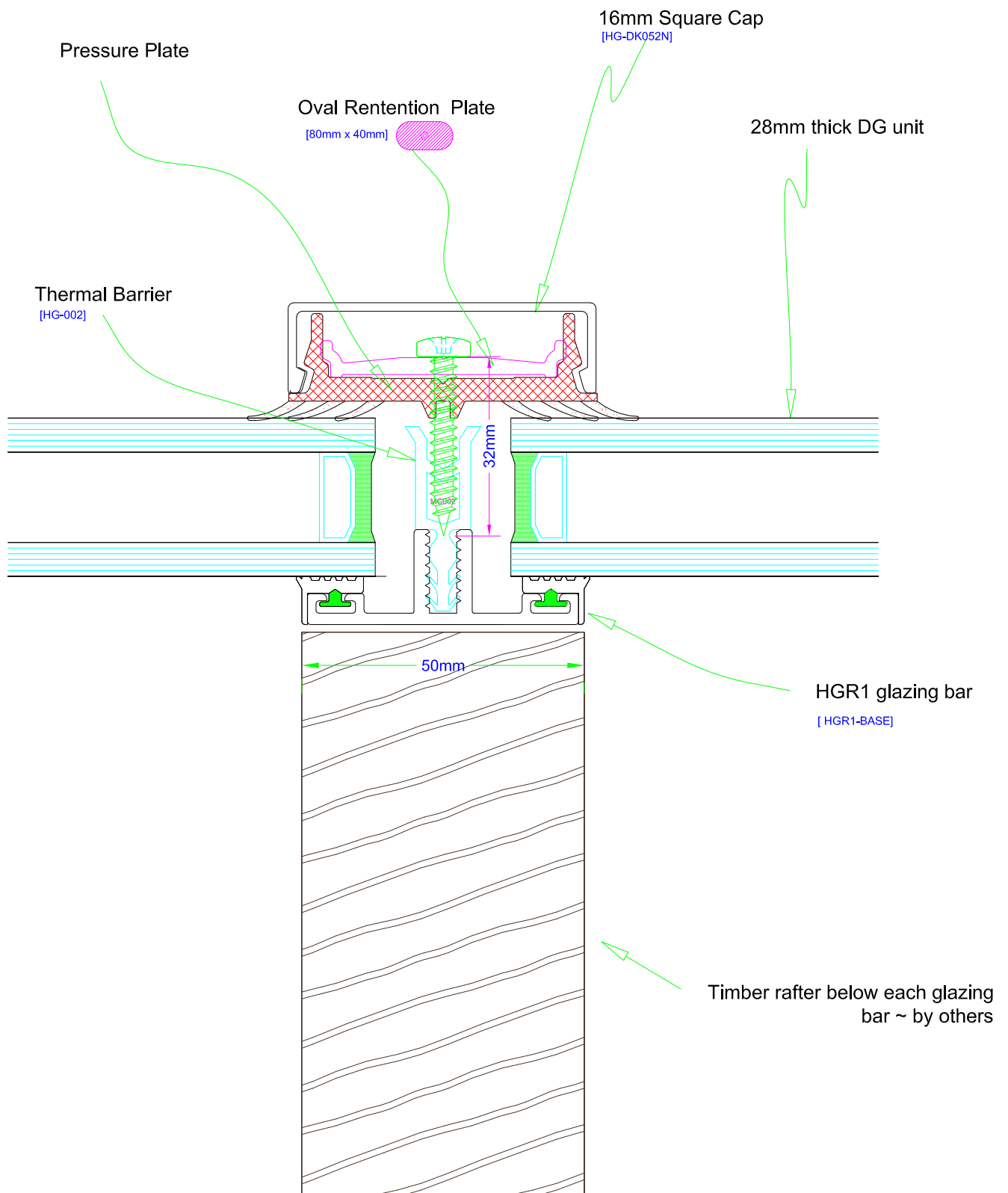
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DRAWING REF

**End Bar with Side Flashing**

PAGE

**HGR1/DG28 SIDE**



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GLAZING SYSTEM  
**HGR1 Range**

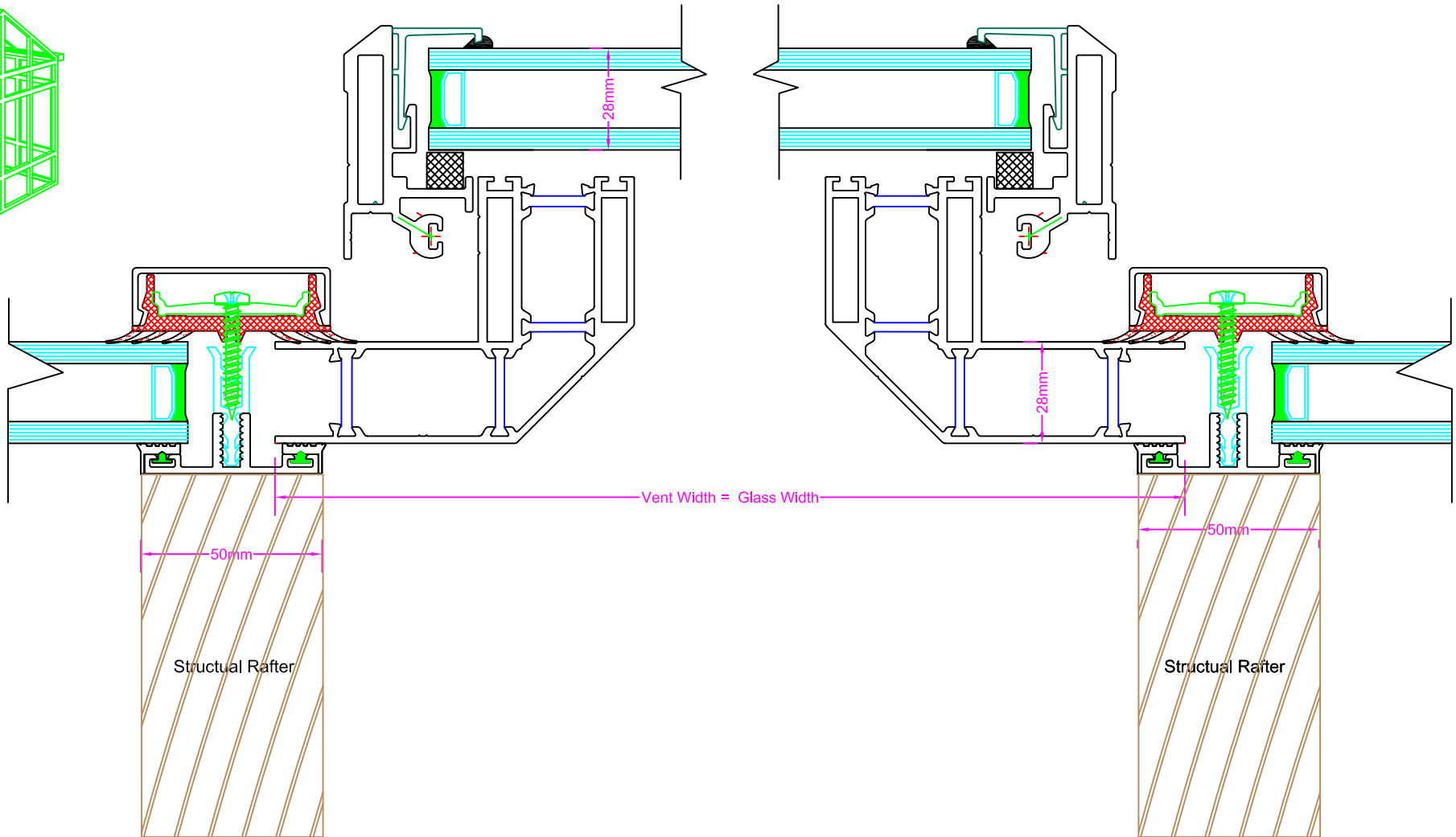
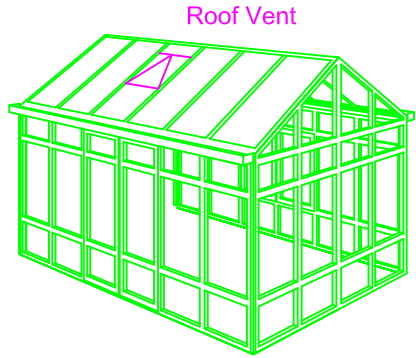
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**Centre Bar**

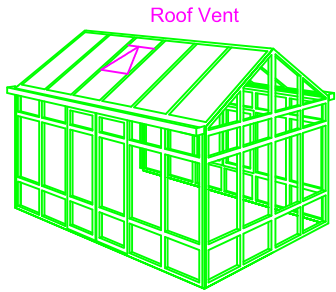
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**HGR1/DG28 CENTRE**



# Typical Roof Vent

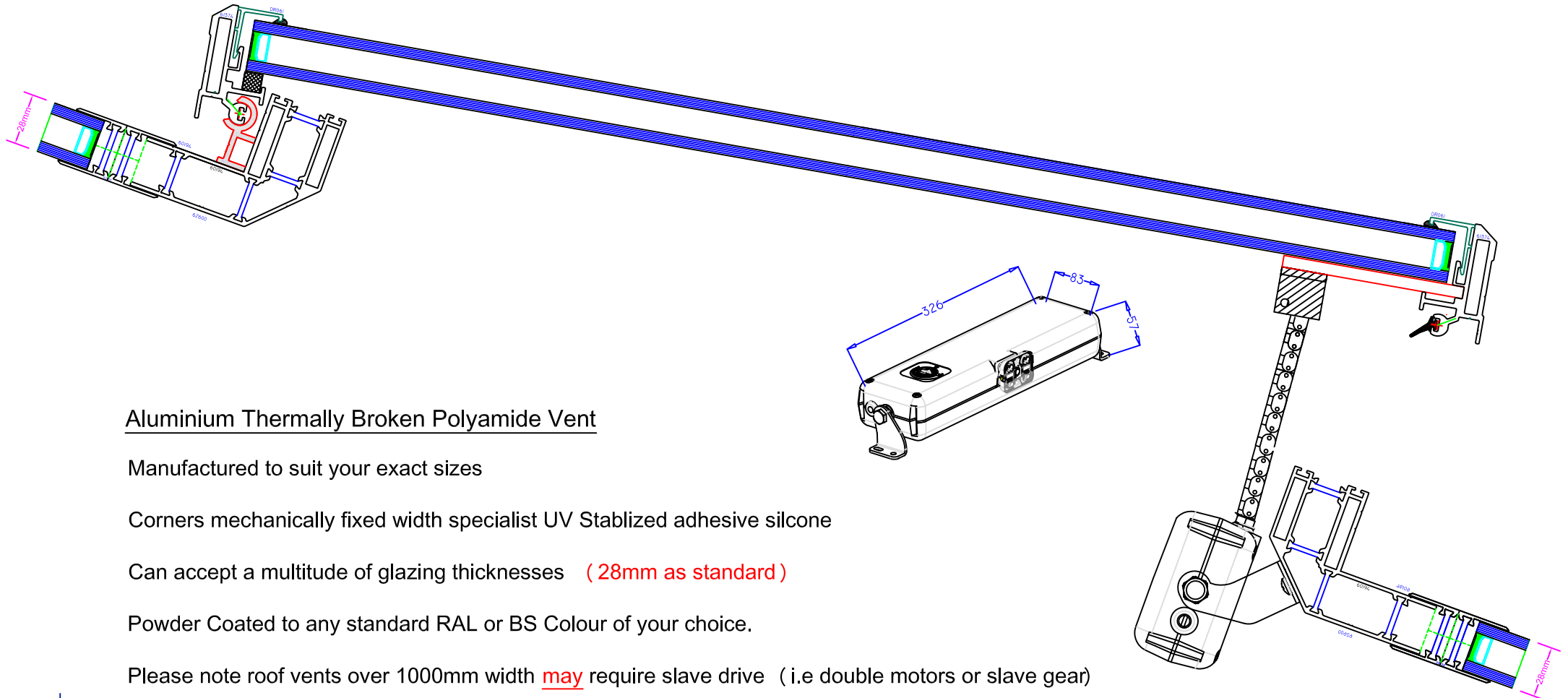


## Typical Roof Vent



Roof Vent

## HG Thermally Broken Roof Vent Vent Assembly (Electric)



### Aluminium Thermally Broken Polyamide Vent

Manufactured to suit your exact sizes

Corners mechanically fixed width specialist UV Stabilized adhesive silicone

Can accept a multitude of glazing thicknesses (28mm as standard)

Powder Coated to any standard RAL or BS Colour of your choice.

Please note roof vents over 1000mm width may require slave drive (i.e double motors or slave gear)





