

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



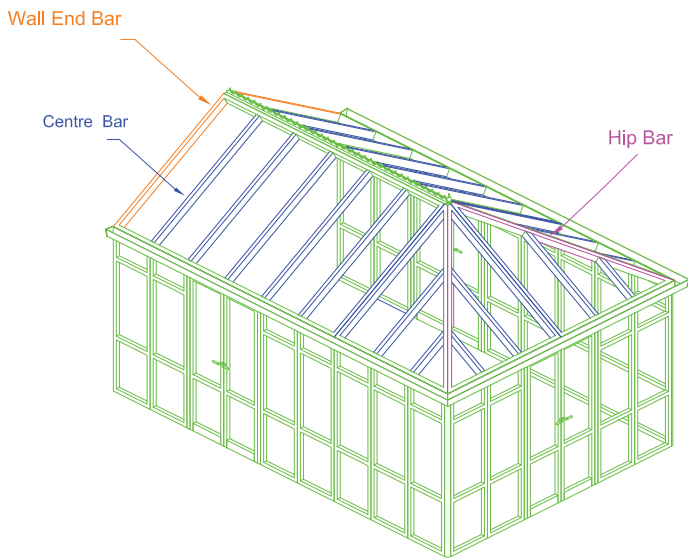
Electric motor which can be used with simple on/off switch



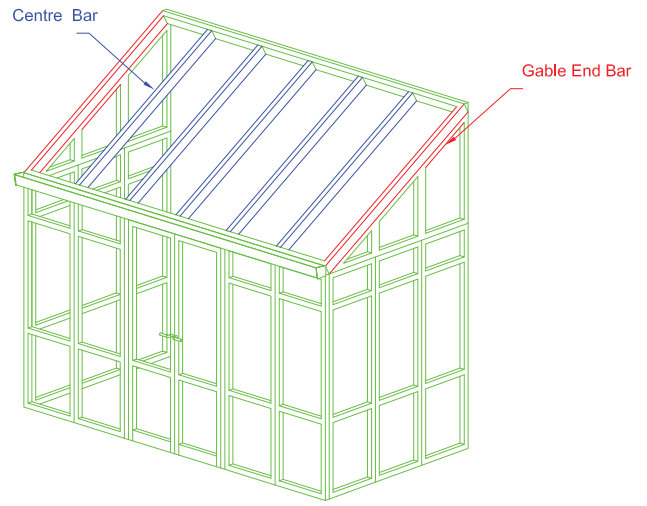
Or be controlled by a digital control unit that can operate multiple vents, in either 24 or 230 volt

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

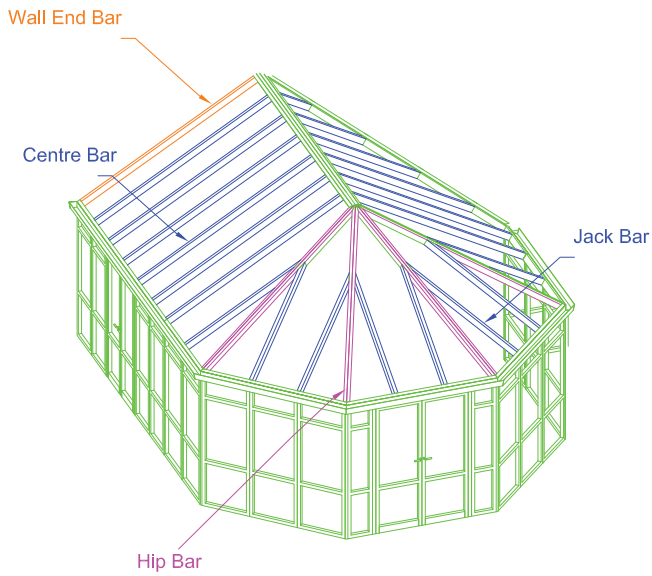




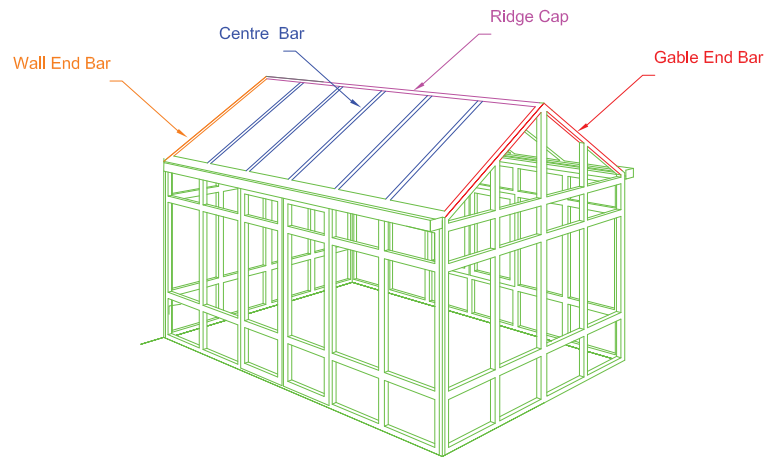
SINGLE HIP / EDWARDIAN



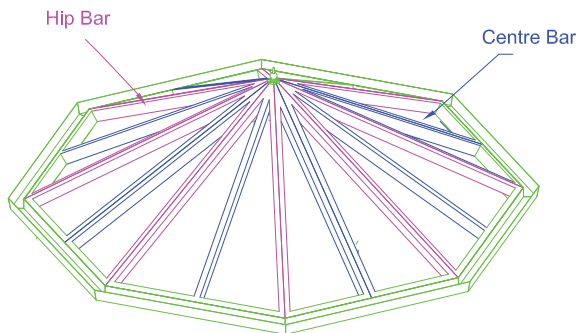
MONO PITCH



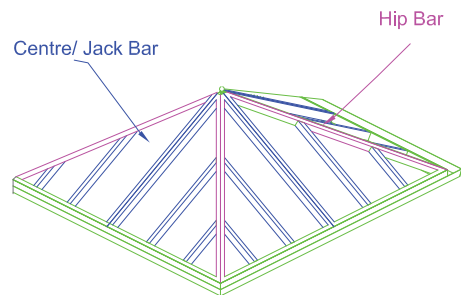
3 FACET / VICTORIAN



DOUBLE PITCH



OCTAGONAL



PYRAMID

GLAZING SYSTEM
HGR1

DATE
JUNE 2016

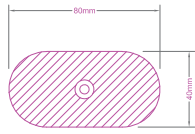
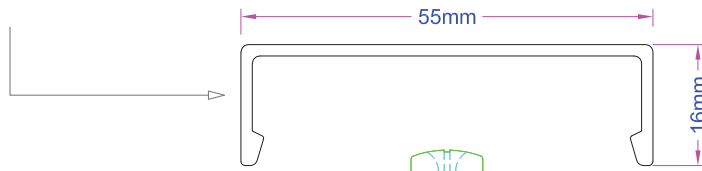
PAGE No. 02

DRAWING REF
ROOF CONFIGURATIONS

DRAWN
GH

16mm Alum. Square Cap

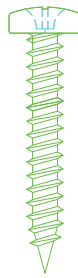
[HG-DK052N]



80mm x 40mm
Galv. Retention Plate
[CFT-RET01]

Fixing for pressure plate to base

[No10 R/Head Wood 1" 1/4 (32mm)]



Rigid PVC Thermal Pressure Plate
with co-extruded gasket [HG-DK154]

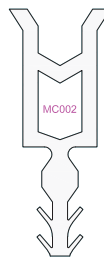


HGR1-Thermal Break

[MC002]



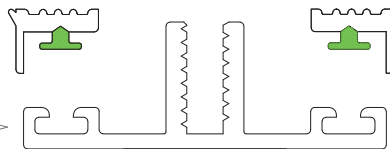
28mm DG Unit



28mm DG Unit

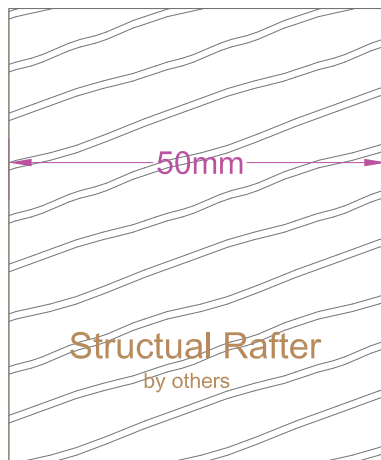
HGR1 Aluminium Base

[HGR1-BASE]



EPDM Gasket

[EU-AE059]



Structural Rafter
by others



GLAZING SYSTEM
HGR1

DATE
JUNE 2016

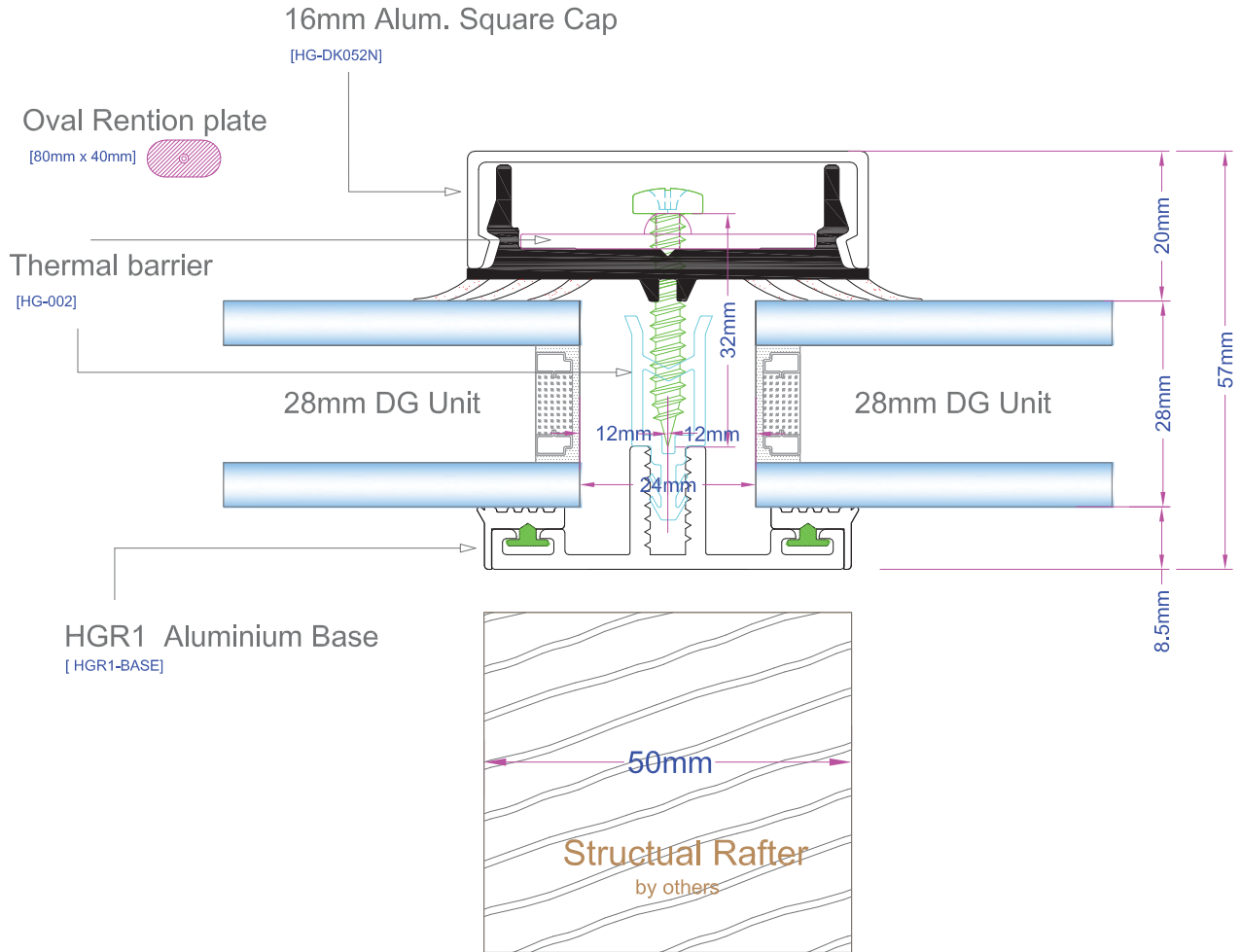
PAGE No. 04

DRAWING REF
CENTRE BAR - EXPLODED VIEW

SCALE 1:1 @ A4

DRAWN
GH

HGR1 CENTRE BAR



YOUR ORDER NO.

GLAZING SYSTEM
HGR1/DG28

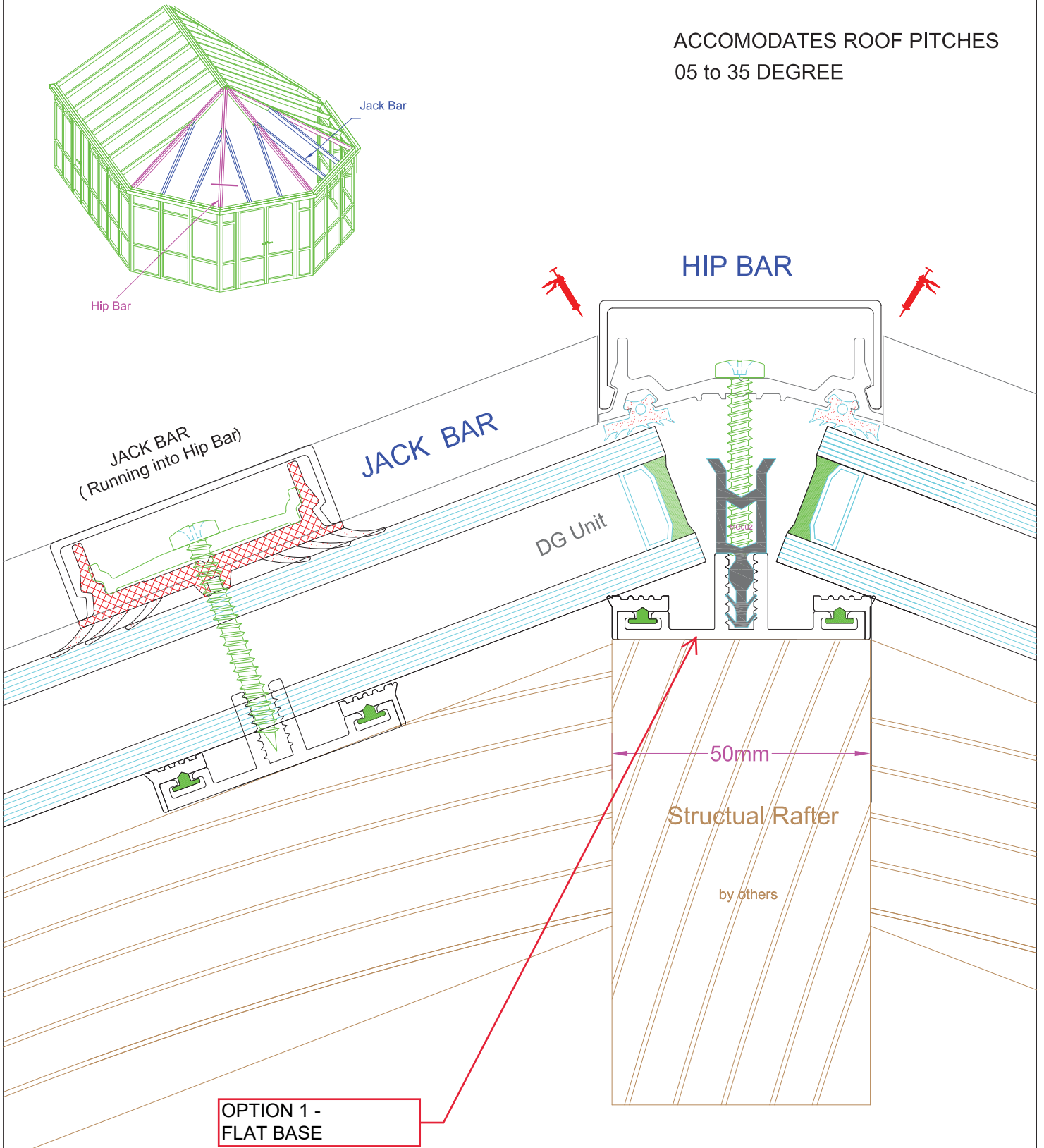
ORDER DATE

PAGE No.
PAGE 08

DRAWING REF
CENTRE BAR

HGR1/DG 28mm HIP BAR SECTION THROUGH

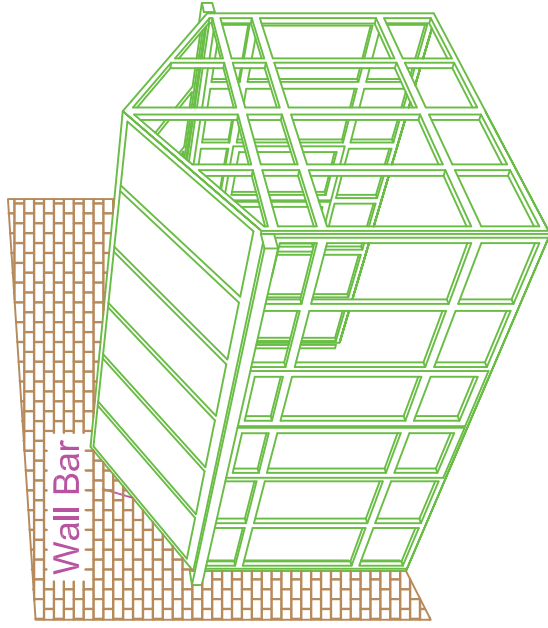
ACCOMODATES ROOF PITCHES
05 to 35 DEGREE



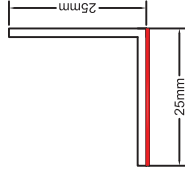
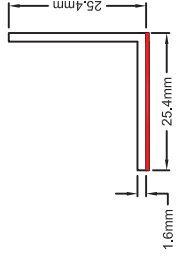
OPTION 1 -
FLAT BASE



Typical Wall Glazing Bar Detail

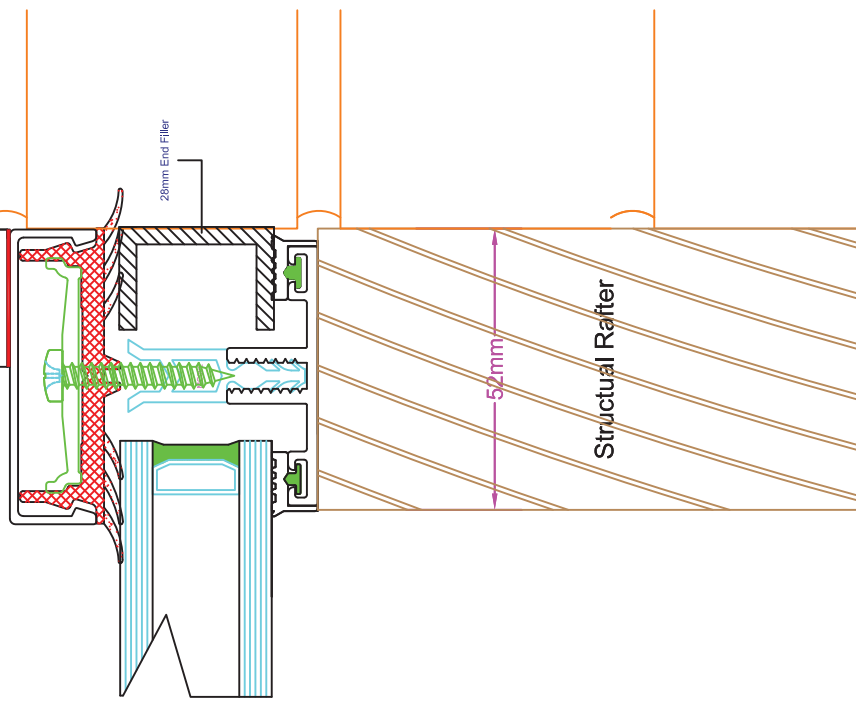


Turns centre cap into wall cap

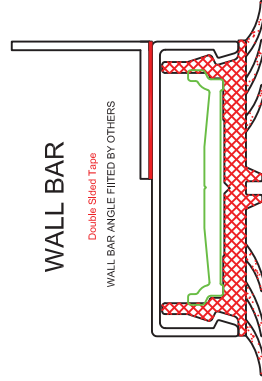
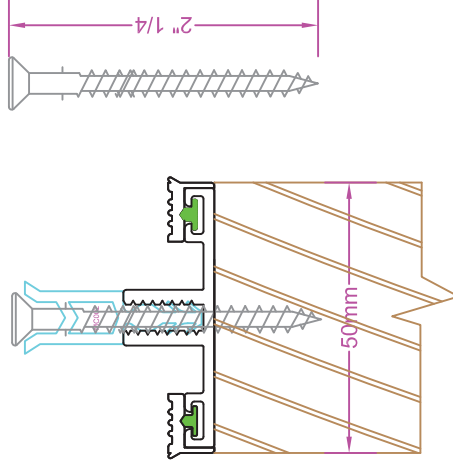


WALL BAR

Double Sided Tape
WALL BAR ANGLE FITTED BY OTHERS



To secure base to timber support



WALL BAR

Double Sided Tape
WALL BAR ANGLE FITTED BY OTHERS

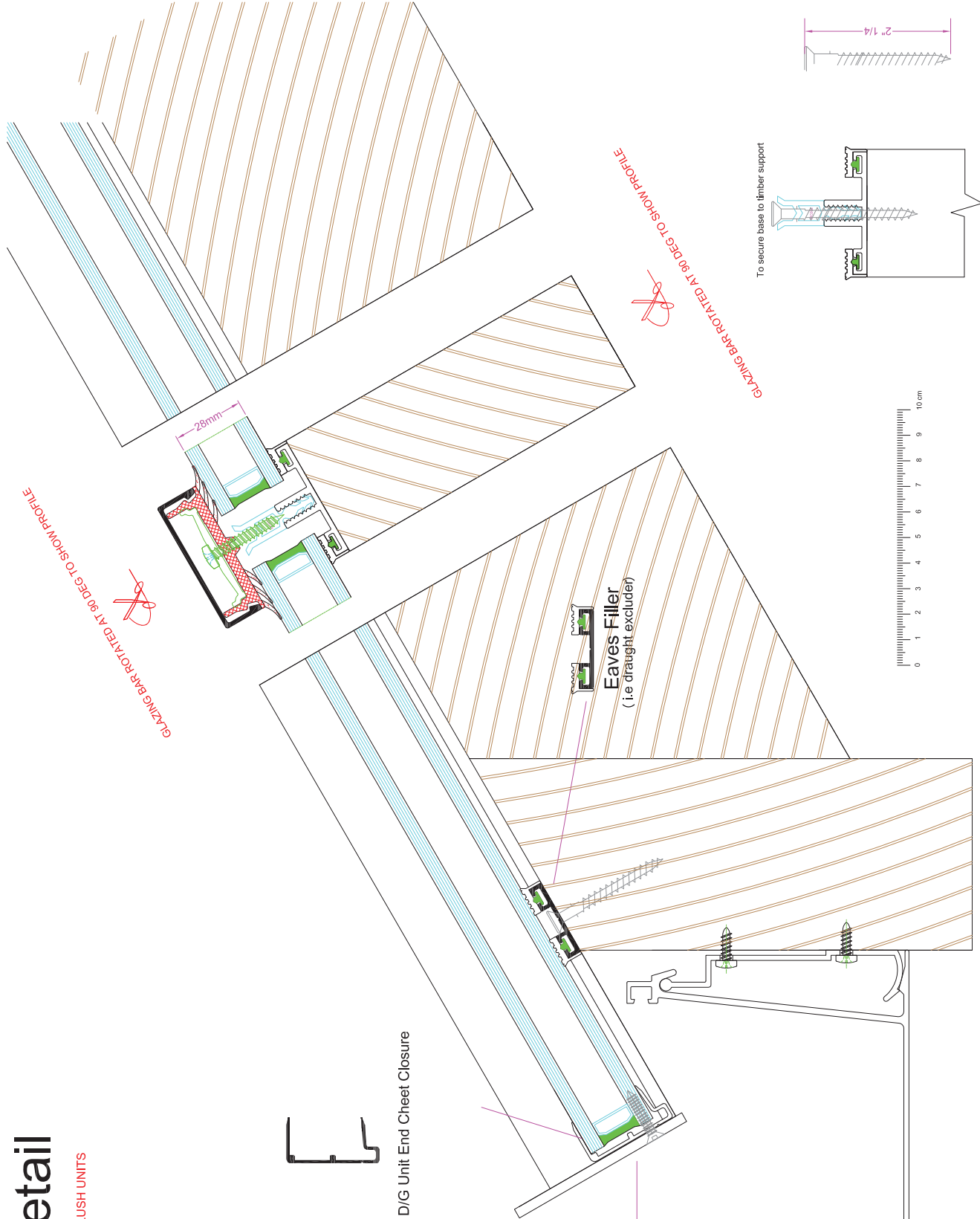
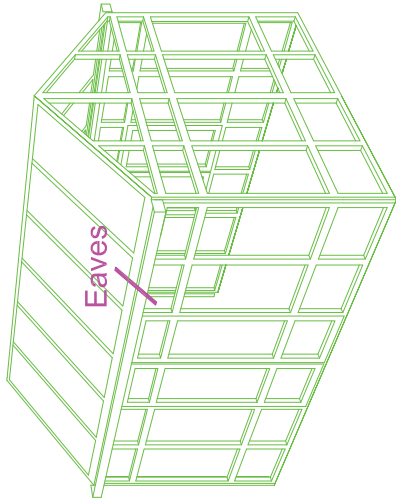
Structural Rafter



Typical Eaves Detail

(30 degree shown in this example)

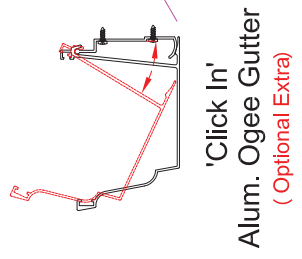
FOR FLUSH UNITS



Eaves Filler
(ie draught excluder)

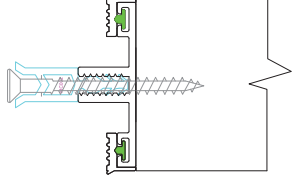
Drained Glass Stop

D/G Unit End Cheet Closure

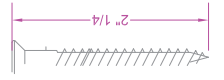


'Click In'
Alum. Ogee Gutter
(Optional Extra)

To secure base to timber support

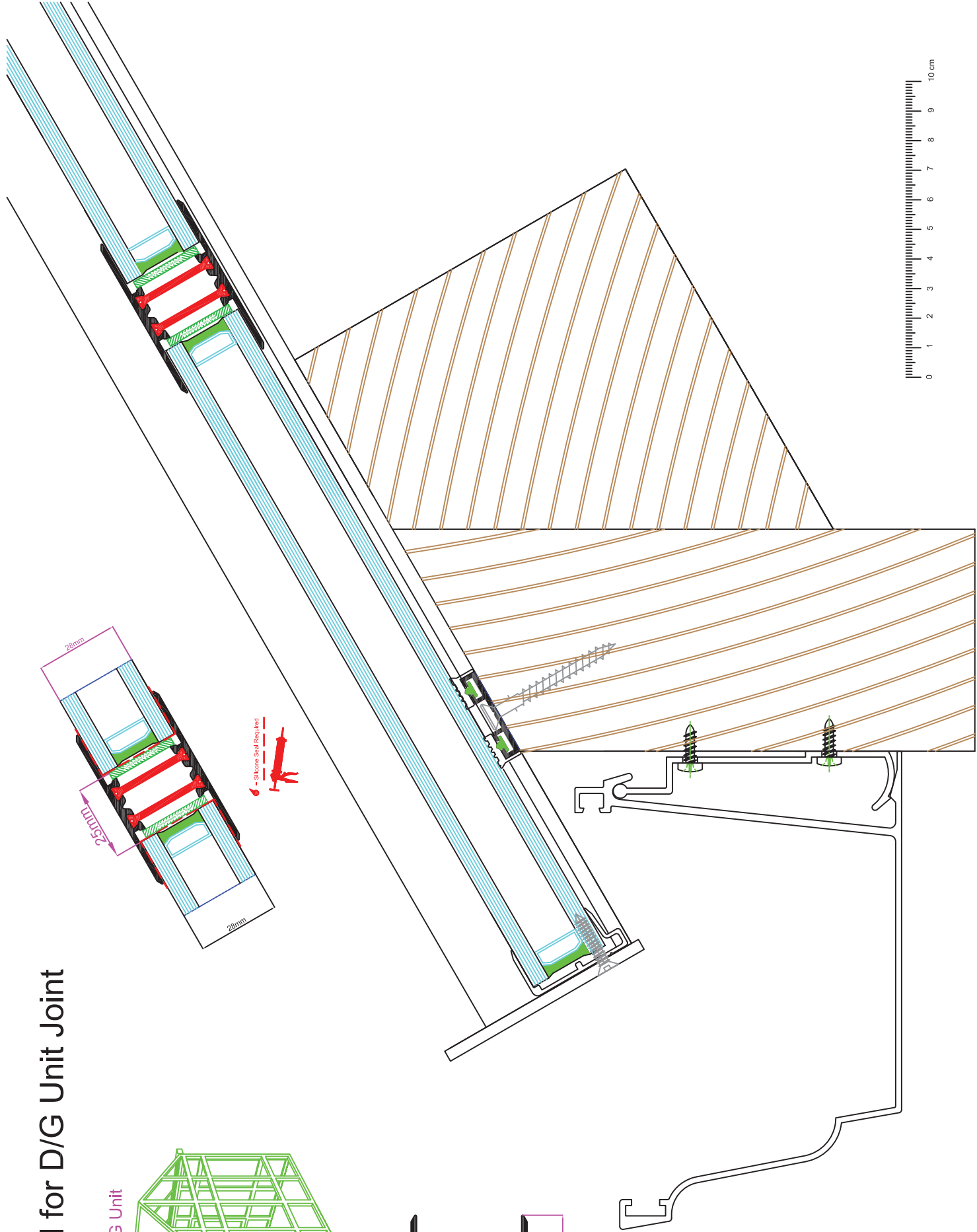
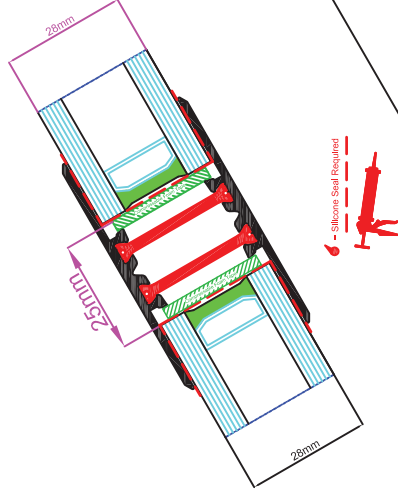
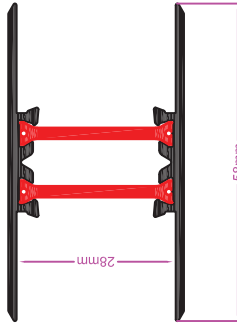
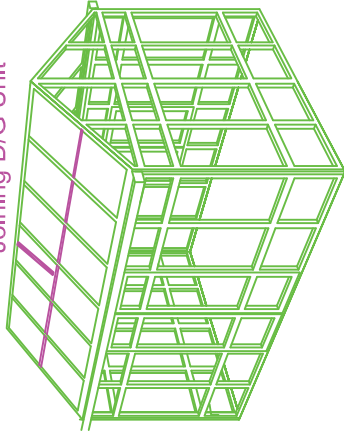


GLAZING BAR ROTATED AT 90 DEG TO SHOW PROFILE



Typical Detail for D/G Unit Joint

Joining D/G Unit





HGR1 RAFTER BAR SYSTEM







oak sunrooms.

Throughout the centuries, certain rooms in homes have been designed as productive living areas, offering different benefits in different seasons. A well designed timber sunroom will always provide a relaxing living area, but with a little more thought can be utilised for many other uses, from providing a great space to grow food plants to inspirational office space.



oak sunrooms, good things come in small, oak packages.



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See these brands in THE TOOL ZONE



See these brands in THE TOOL ZONE



GREENROOMS
oak garden rooms.



Standard Hood to suit 30 degree pitch & Dihedral angle (can be fabricated by us to suit pitches from 10-35 degree)

