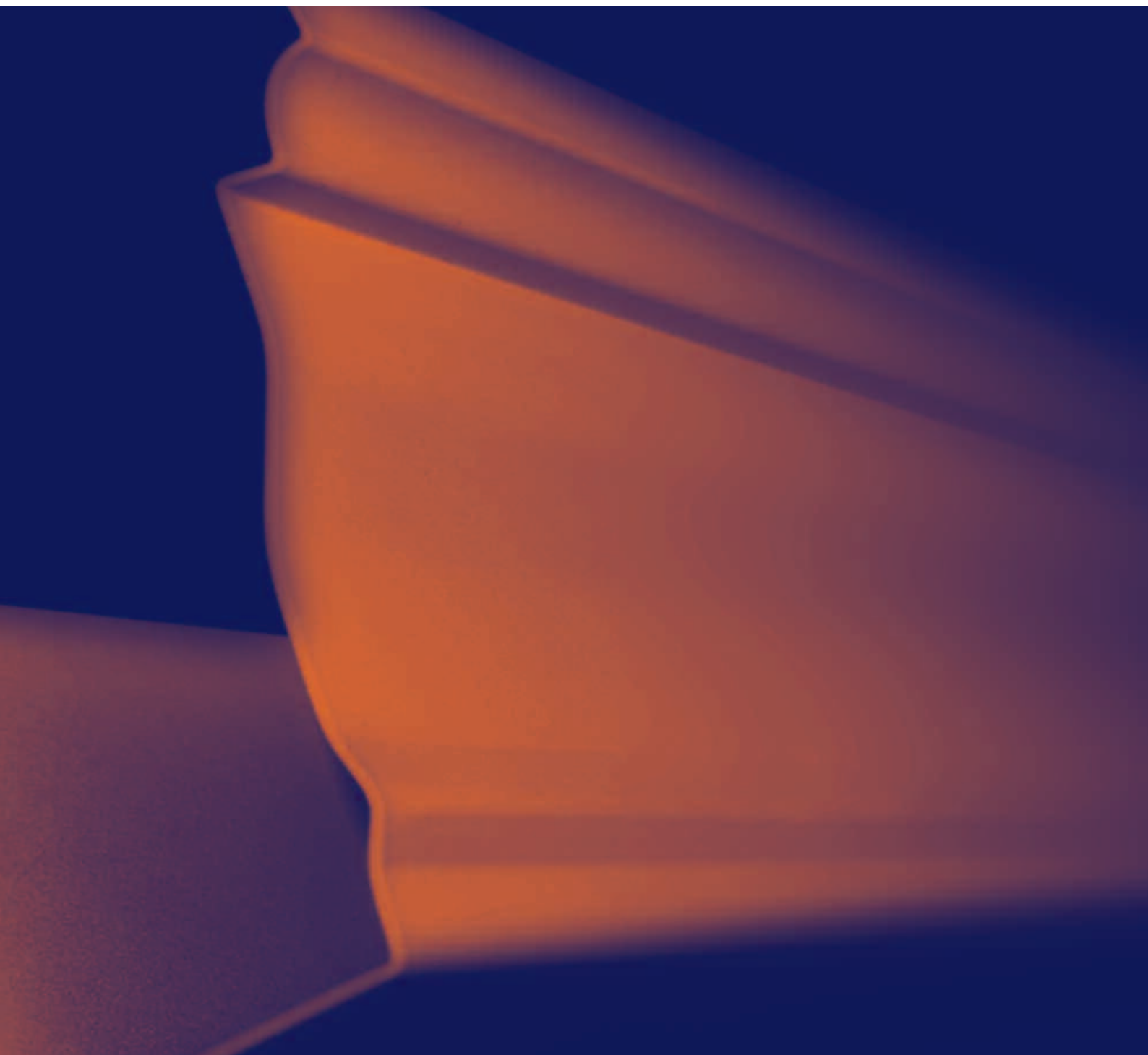




# K2 ORANGERIES GUIDE

K2. THE COMPLETE CONSERVATORY COMPANY



# THE CAPELLA MODULAR ORANGERY SYSTEM

## K2 ORANGERIES GUIDE

Ideal for those who are looking to offer something truly different, the Capella offering is a series of upgrade options for a standard conservatory. It will allow you to give it that orangery look without the work, or costs generally associated with a true orangery system, and in some cases it could even be retrofitted to an existing K2 roof.

An orangery twist is added to K2's renowned roof. The PVC-u gutter is replaced with a purpose designed aluminium high fronted feature gutter, drastically improving the external appearance of a standard conservatory, hiding the roof bar ends & closure.

On the inside 2 internal soffit options allows the inclusion of down-lights or speakers, giving you a unique and highly novel appearance that will be the envy of your neighbours.



## THE CAPELLA MODULAR SYSTEM

### FEATURES

#### Gutter options:

- Standard PVC-u gutter
- High fronted aluminium gutter that hides the ends of the glazing and roof bars
- Aluminium fascia (coming soon)

#### Internal soffit options:

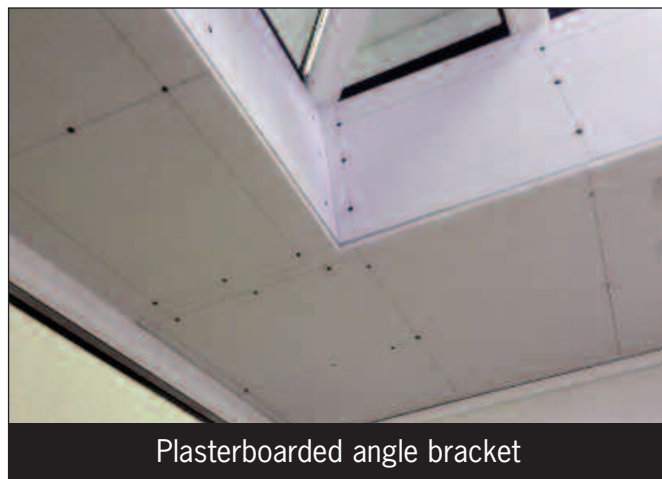
- Internal brackets create orangery shelf-like appearance (Depth of 170mm or 317mm)
- Fully plastered soffit using easy to fit angle bracket (Depth of 300mm or 600mm, 20°, 25° (as standard) or 30° pitch)

#### Glazing:

- Privacy film (optional) professionally fitted to the area of the glass roof that would allow the homeowner to see the internal workings of the soffit from above, allowing for a high standard of finish.

### BENEFITS

- A lower cost orangery solution
- Usual building regulations exceptions apply
- Easy to fit - adds only 2-3 hours to an installation
- Available to retro-fit existing builds (restrictions apply)
- A unique product for your portfolio.



Plasterboarded angle bracket

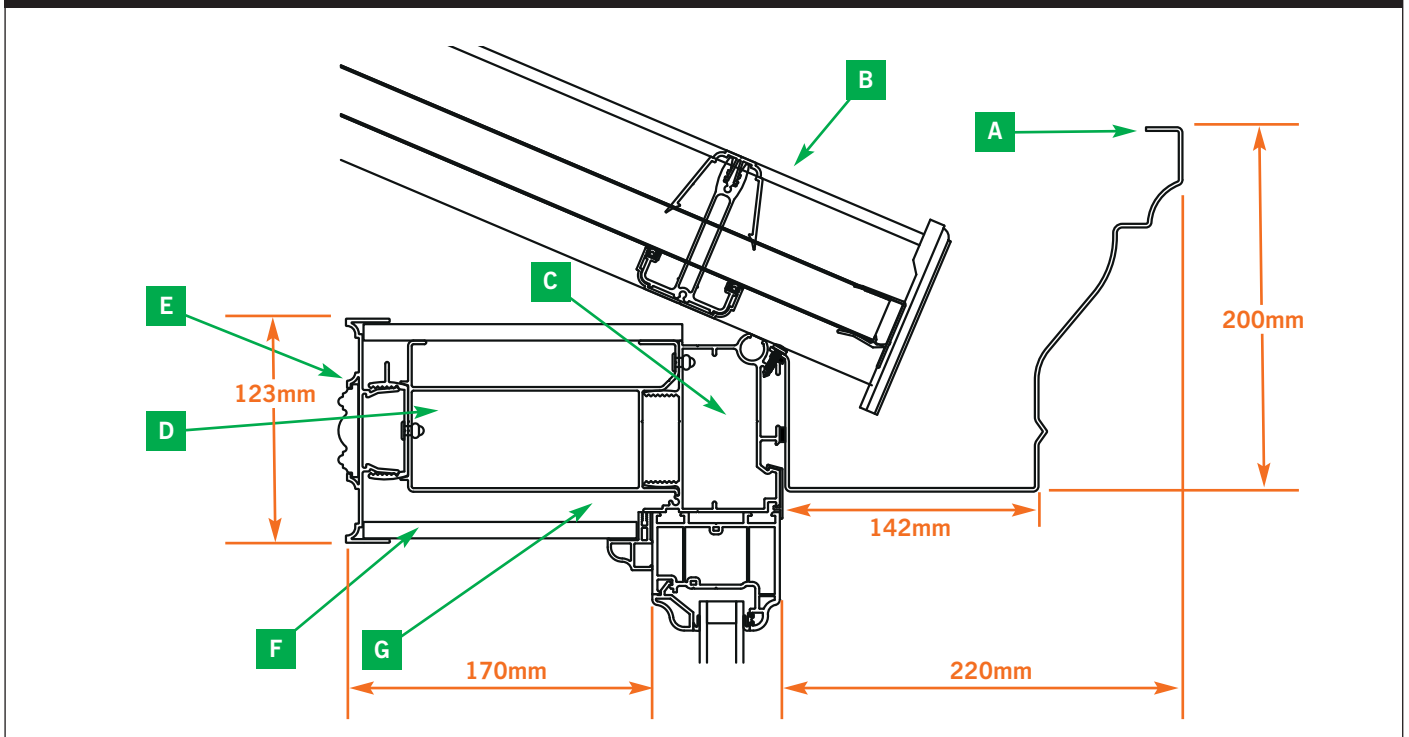


Illustration of plastered finish

# THE CAPELLA MODULAR ORANGERY SYSTEM

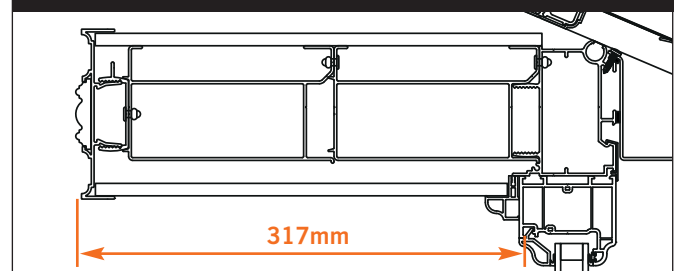
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Standard size internal soffit, with aluminium gutter

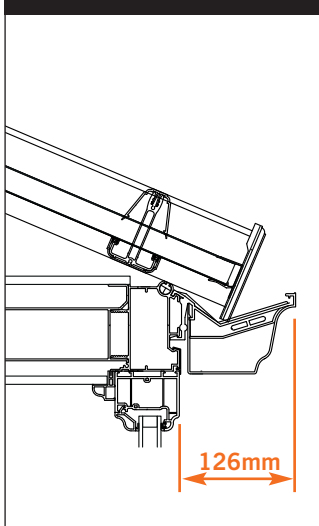


- A K2 aluminium PPC gutter
- B K2 roof (supplied as PVC-u with standard bars)
- C K2 eaves beam
- D Internal fascia bracket (50mm)
- E K2 Cascade or Options internal trim (shown)
- F Internal soffit (PVC-U)
- G Void suitable for lighting/speakers etc

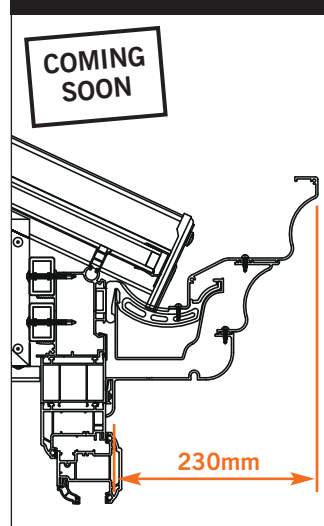
Larger size internal soffit



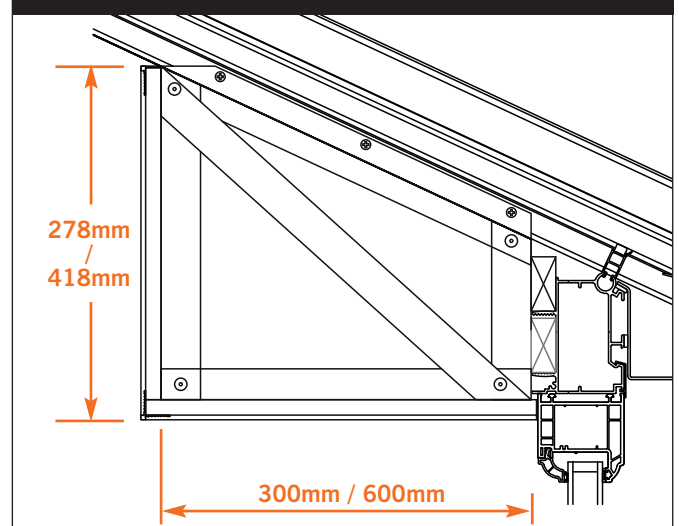
Standard PVC gutter



Aluminum fascia



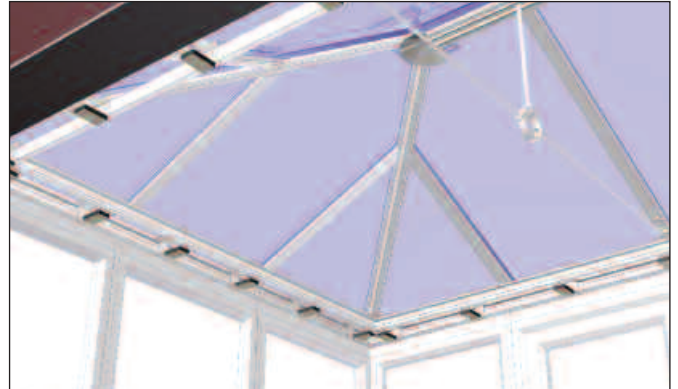
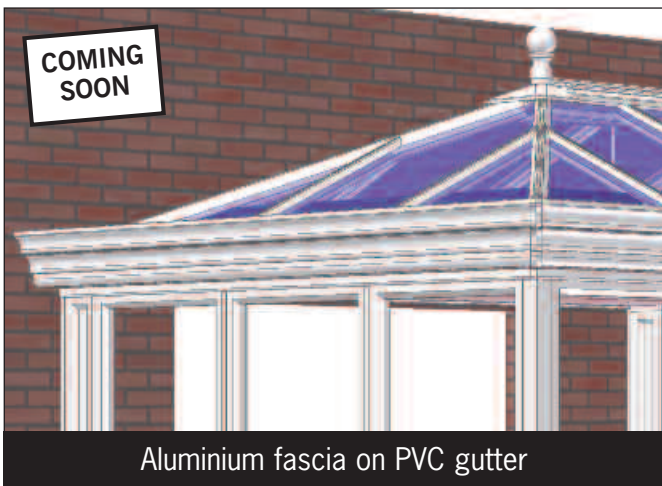
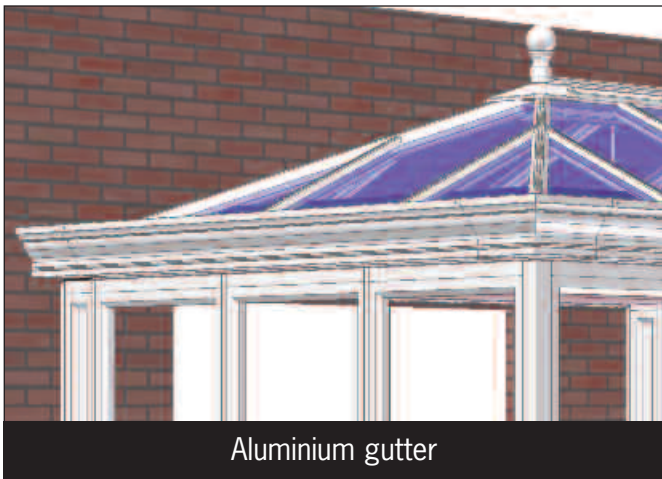
Angle bracket option for deep plasterboard soffit



# THE CAPELLA MODULAR ORANGERY SYSTEM

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Illustrated here are the 3 external gutter and 2 internal soffit options available with the Capella system.



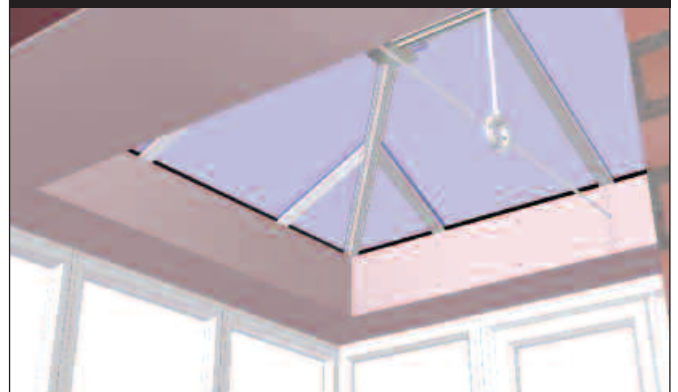
Standard internal soffit



Plasterboarded angle bracket



Plasterboarded angle bracket



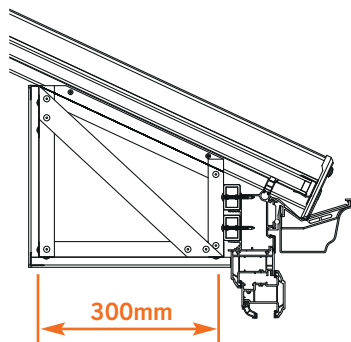
Plasterboarded angle bracket

# THE CAPELLA MODULAR ORANGERY SYSTEM

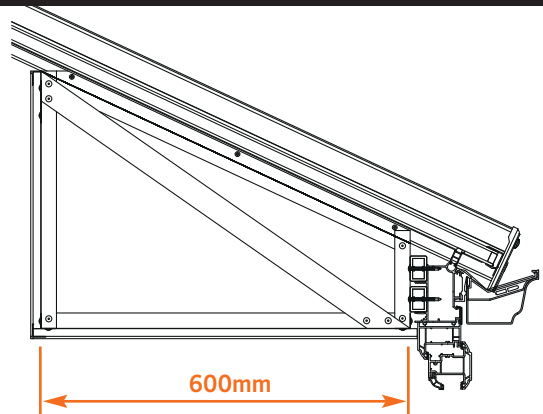
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Illustrated here are the 3 external gutter options available with the Capella system, illustrated on the Angle Bracket internal soffit.

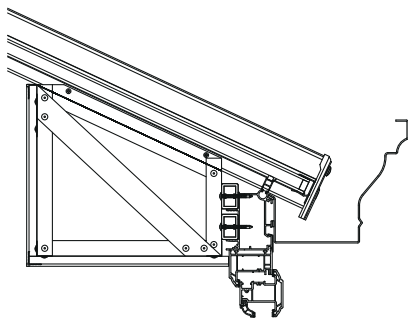
300mm depth on 25° with standard PVC gutter



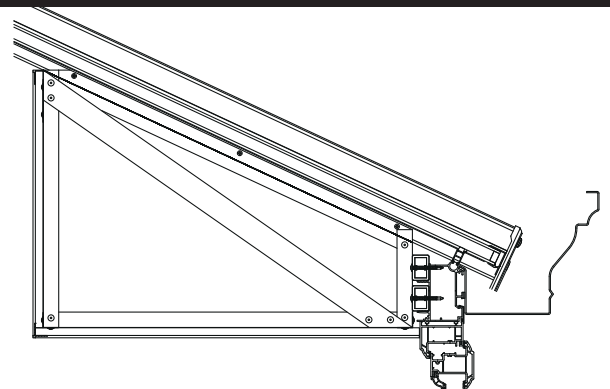
600mm depth on 25° with standard PVC gutter



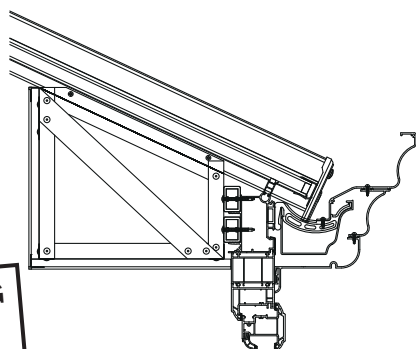
300mm depth on 25° with aluminium gutter



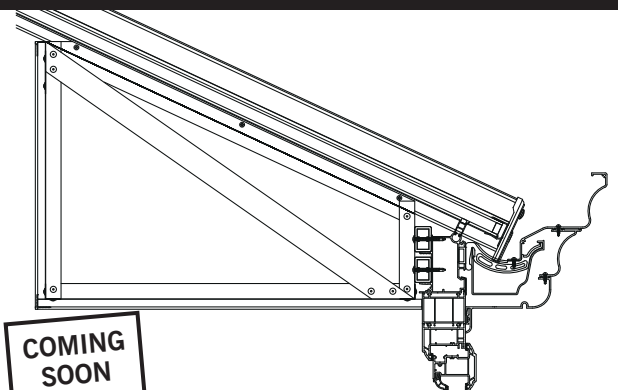
600mm depth on 25° with aluminium gutter



300mm depth on 25° with aluminium fascia



600mm depth on 25° with aluminium fascia



## THE INTEGRA

K2 ORANGERIES GUIDE

This classic and sturdy brick built orangery utilises the K2 structural orangery system. The strength of the construction means that the gutter can be safely walked on for maintenance purposes.

The K2 Structural Orangery System features a “warm roof” construction that meets the latest building standards regulations. High strength aluminium replaces traditional timber, and the wide aluminium gutter replaces traditional flat roof membranes.

The strength of the construction means that the gutter can be safely walked on for maintenance purposes.

Internally you have a deep plasterboard soffit for that unique orangery look, also allowing you to integrate downlights and speakers.



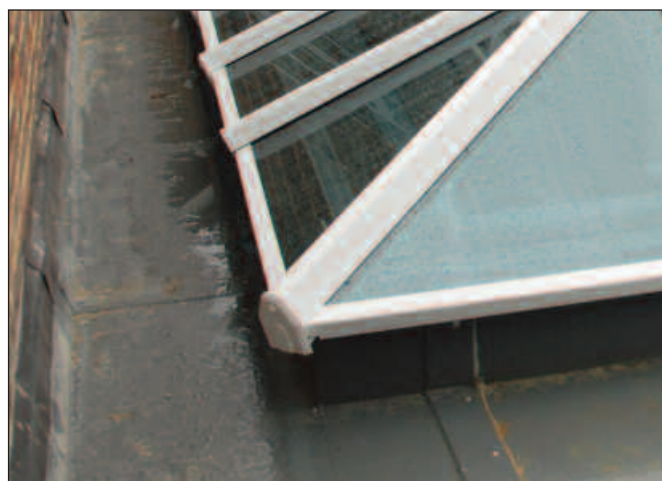
## THE INTEGRA

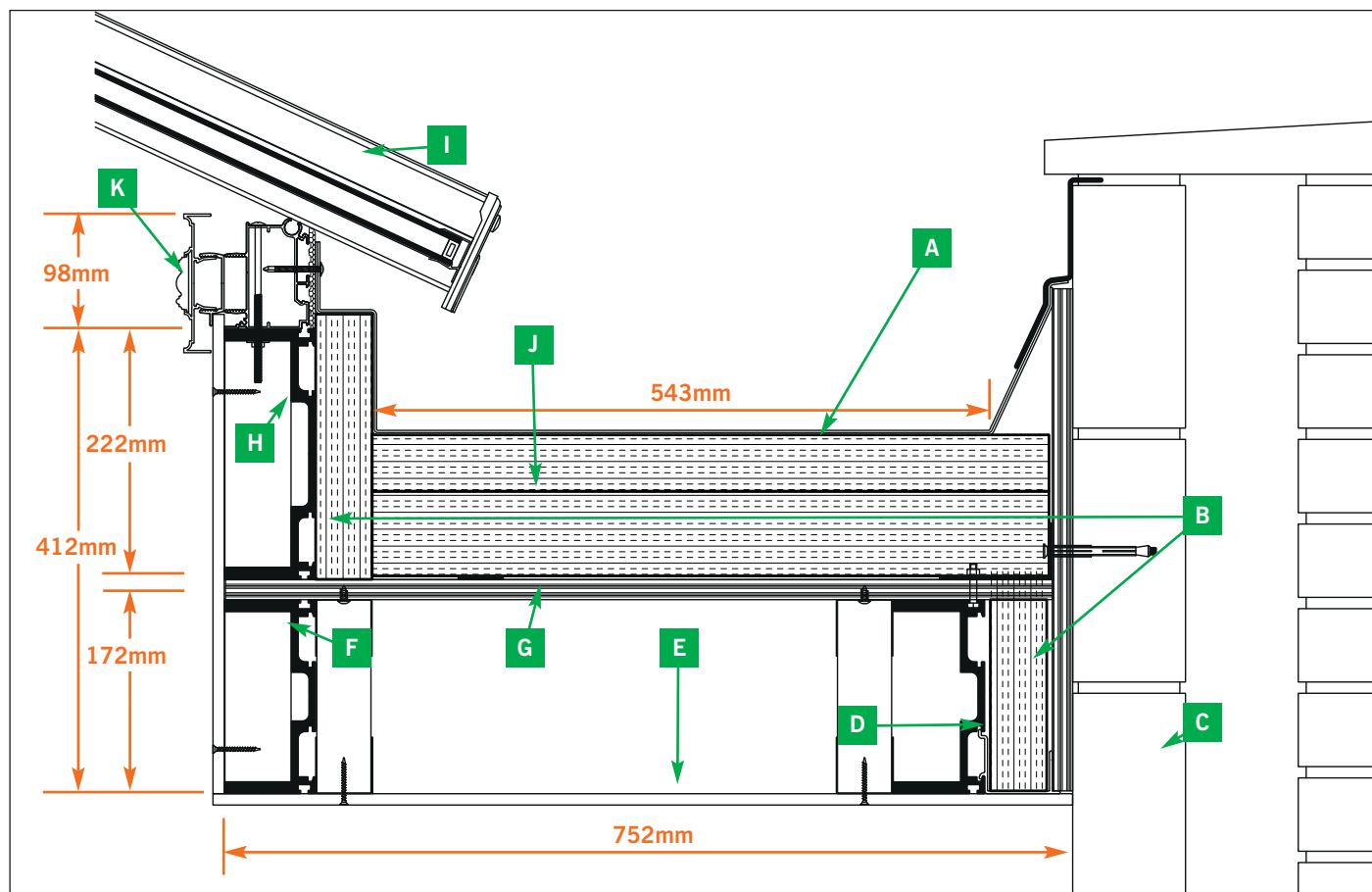
### KEY FEATURES

- Fully insulated warm roof construction (125mm insulation) to perimeter gutter
- 543mm integrated aluminium powder coated gutter
- Fully sealed gutter outlets, full range of decorative aluminium hoppers and downpipes
- Deep (752mm (D) x 510/560mm (H) ) internal plasterboard soffit
- Structural aluminium framework - no timber

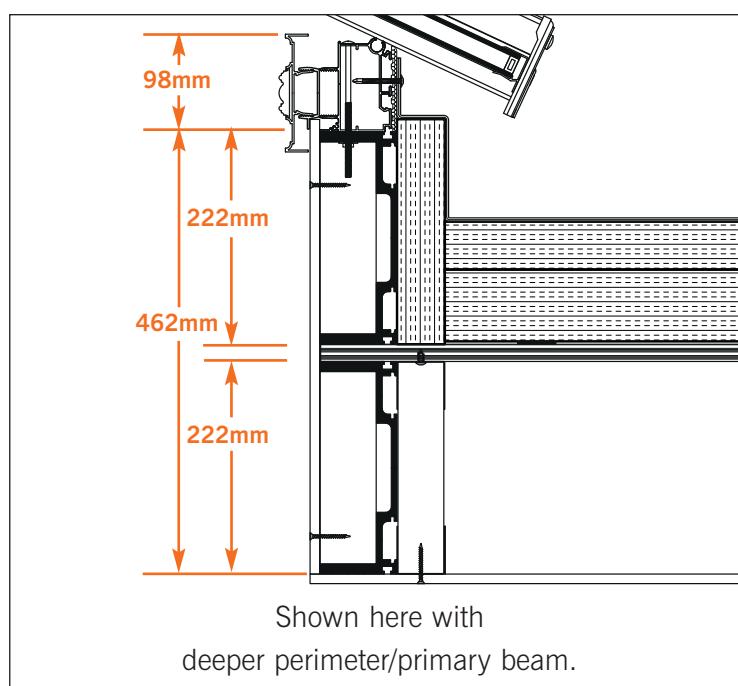
### KEY BENEFITS

- Full one stop solution for brick perimeter orangery roofs
- No problem walking on gutters for maintenance
- Roof specific
- Easy to fit kit, no cutting or drilling of aluminium sections





- A Aluminium PPC gutter
- B 50mm insulation
- C Aluminium fascia mount
- D Aluminium perimeter beam
- E 12mm plasterboard**
- F Aluminium primary beam
- G 18mm marine plywood
- H Aluminium lantern beam
- I K2 roof (note: 150mm overhang into gutter)
- J 125mm insulation
- K K2 Cascade or Options internal trim (shown)



All items indicated are supplied **unless marked in red.**

## THE INTEGRA 210

K2 ORANGERIES GUIDE

Designed using a technical blend of the original K2 roof system and the full Integra, the Integra 210 is designed for use with a predominately brick perimeter.

The roofs primary and secondary support beams are manufactured using our purpose designed aluminium sections and utilises the patented connection system employed in our portal frames.



## THE INTEGRA 210

### KEY FEATURES

- Uses existing 210mm K2 aluminium Gutter
- 50mm Insulation
- Sealed gutter outlet
- 425/575 (D) x 400 (H) internal plasterboard soffit
- Structural Aluminium framework -no timber

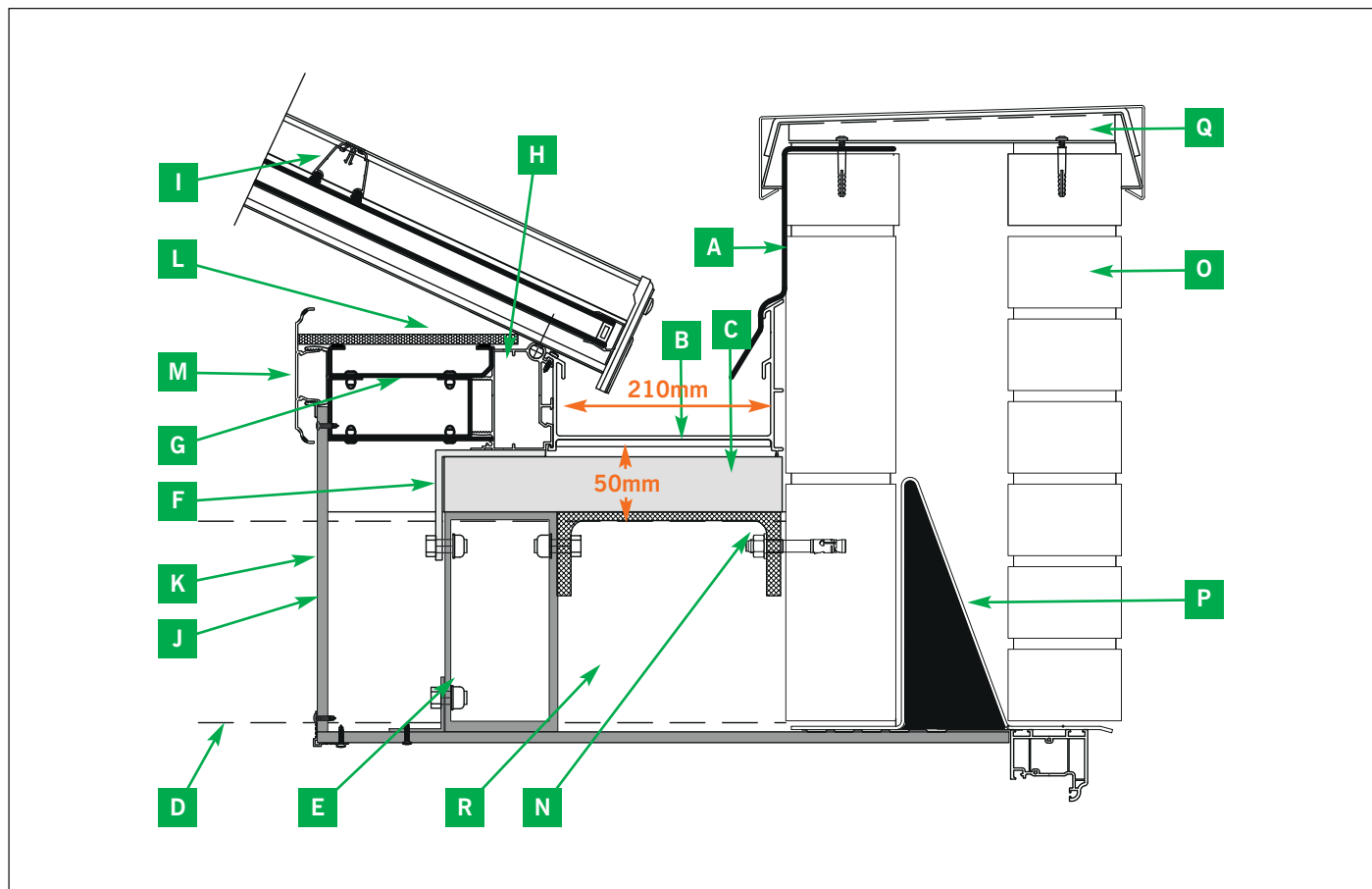
### KEY BENEFITS

- Stable mate of the full Integra roof.
- Uses standard K2 roof components.
- Easy to fit. No cutting or drilling aluminium sections.



# THE INTEGRA 210

K2 ORANGERIES GUIDE



- |  |   |
|--|---|
| <b>A</b> Lead flashing (by installer)  | <b>I</b> K2 roof  |
| <b>B</b> K2 210mm wide aluminium PPC gutter                                  | <b>J</b> 9mm plasterboard                                     |
| <b>C</b> 50mm insulation   | <b>K</b> Plaster finish                                       |
| <b>D</b> K2 primary support beam<br>(built into wall behind internal fascia) | <b>L</b> PVC-u flat board                                     |
| <b>E</b> K2 secondary support beam<br>(behind internal fascia)               | <b>M</b> K2 Cascade (shown) or Options internal trim          |
| <b>F</b> Eaves support bracket (50mm long at 600 centres)                    | <b>N</b> Gutter support bracket<br>(50mm long at 600 centres) |
| <b>G</b> K2 "Capella" internal soffit bracket with continuous "C" channel    | <b>O</b> 300mm Cavity wall (by installer)                     |
| <b>H</b> K2 eaves beam   | <b>P</b> Lintels (by installer)                               |
|  | <b>Q</b> Coping (by installer)                                |
|  | <b>R</b> Void suitable for lighting/speakers etc              |

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## THE RIO

K2 ORANGERIES GUIDE

With its flat roof it looks strikingly different from other orangeries, with the lantern visibly “sat” on top. On the inside you will benefit from the same effect provided by the wide soffits, while you can remain confident that the building retains the structural integrity provided by our unique, highly versatile orangery aluminium system.

The Rio is a cost effective solution for a true orangery which makes no compromise when it comes to building standard regulations. You get a lot more than just what you see, and best of all, as for the whole range, it has been designed to ensure a fast installation, for minimum disruption.



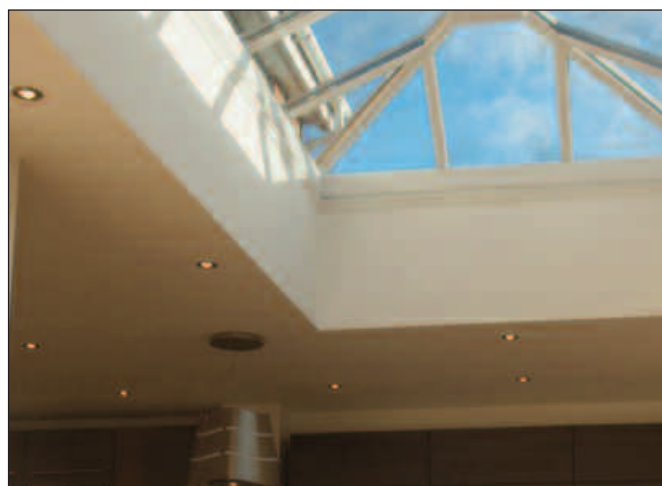
## THE RIO

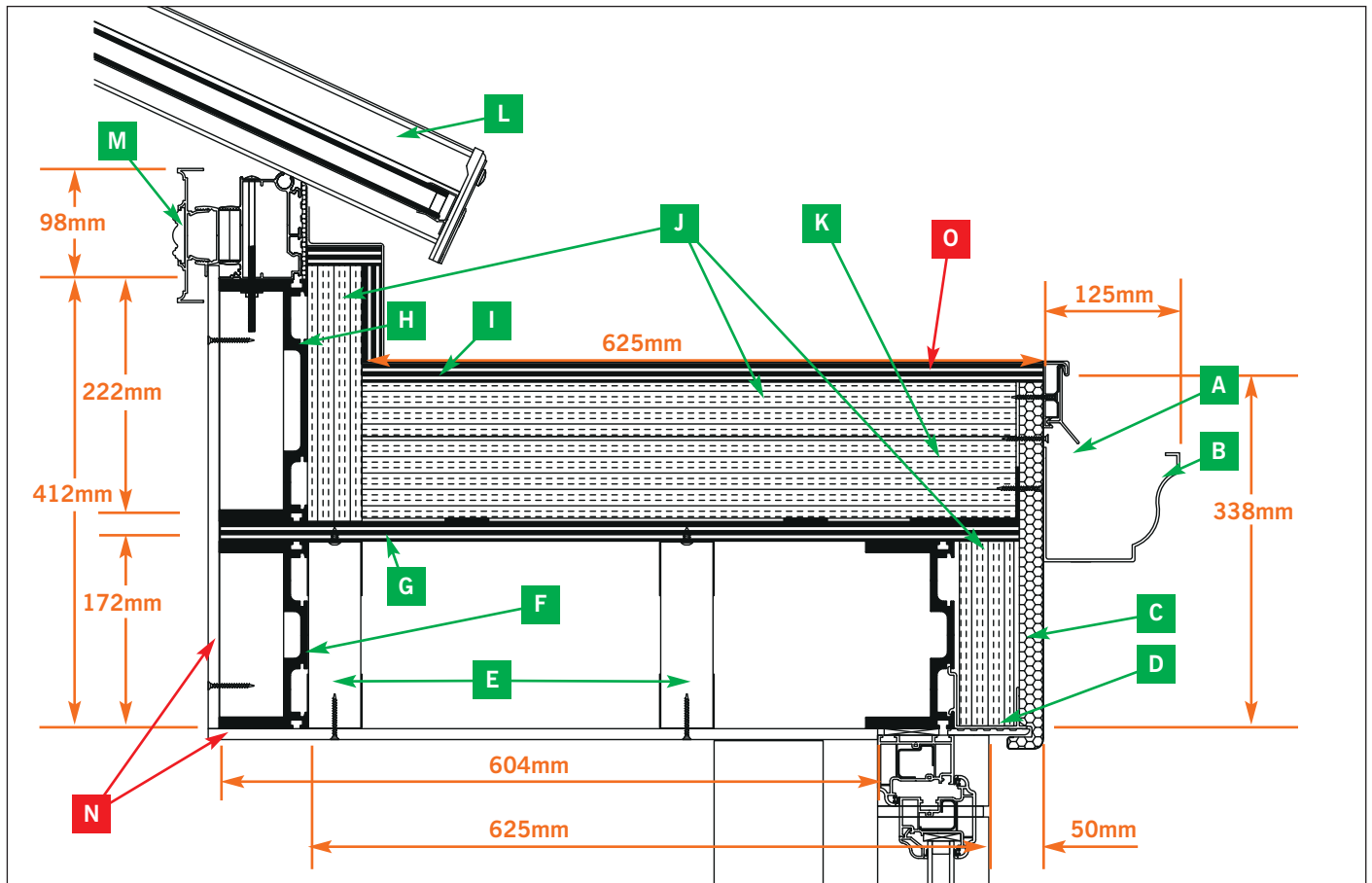
### KEY FEATURES

- Fully insulated warm roof construction (125mm insulation), available sloping or flat
- Deep (604mm (D) x 510/550mm (H)) internal plasterboard soffit
- 652mm wide flat roof edge
- Waterproof EPDM rubber membrane
- Aluminium/PVC decorative fascia

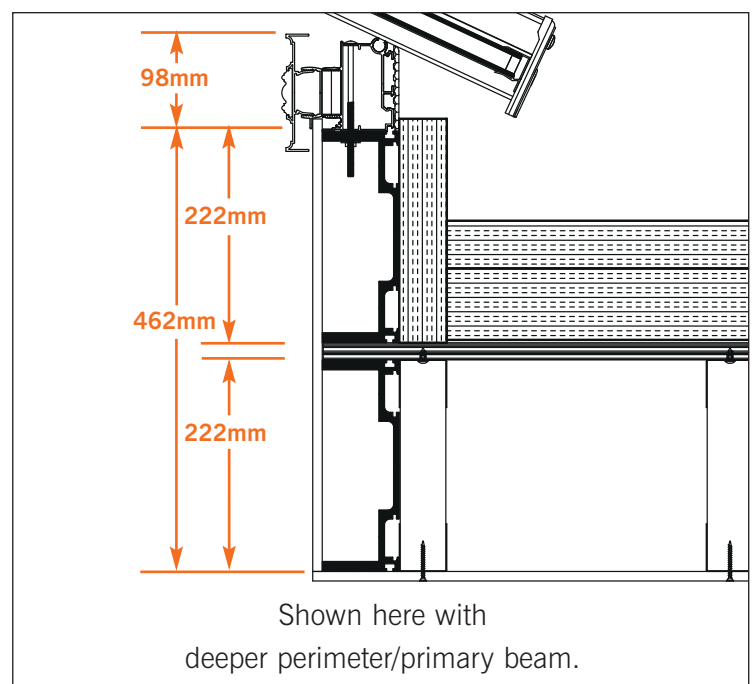
### KEY BENEFITS

- Project specific, easy to fit kit, no cutting or drilling of aluminium sections
- Structural and Heat Loss Calculations available
- Full technical drawings supplied
- Roof accessible for maintenance





- A Drip Trim
- B Gutter
- C Fascia Board
- D Fascia Mount
- E Dry Wall Framing
- F Primary Beam
- G 18mm Marine Ply
- H Lantern Beam
- I EPDM Roofing
- J 50mm insulation
- K 125mm insulation
- L K2 roof (note: 150mm overhang into gutter)
- M K2 Cascade or Options internal trim (shown)
- N 12mm plasterboard
- O Plywood (optional)



All items indicated are supplied **unless marked in red.**

## THE VENETIAN

K2 ORANGERIES GUIDE

The Venetian represents the ultimate in contemporary orangery design technology. The optional structured aluminium legs give complete freedom of design, allowing you to opt for fully framed walls, brick work, or large bi-folds, in the knowledge that they do not support the roof.

The roof is supported totally by structural aluminium legs which are bolted down the foundations. The sides of the orangery can be almost anything, from brick walls, to windows, to Bi-folding doors.

Using the same warm roof principle as the Integra, thus meeting the latest building standards regulations, it also has a wide integrated aluminium gutter that can be safely walked on for maintenance. Decorative aluminium hoppers and downpipes are available.

The external aluminium powder coated high frieze integrates with the gutter and feature hoppers.



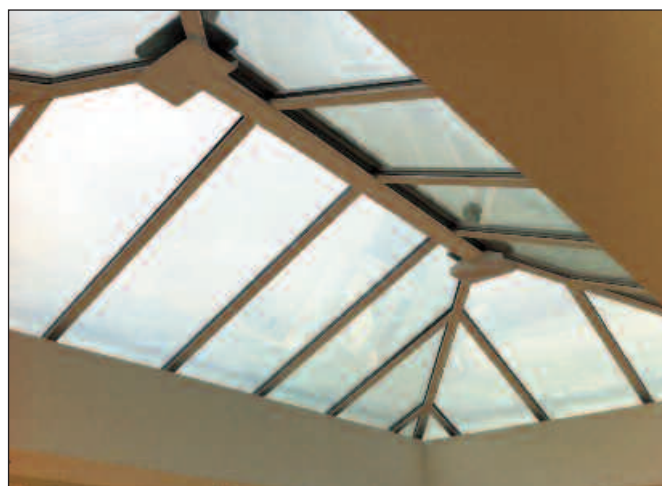
## THE VENETIAN

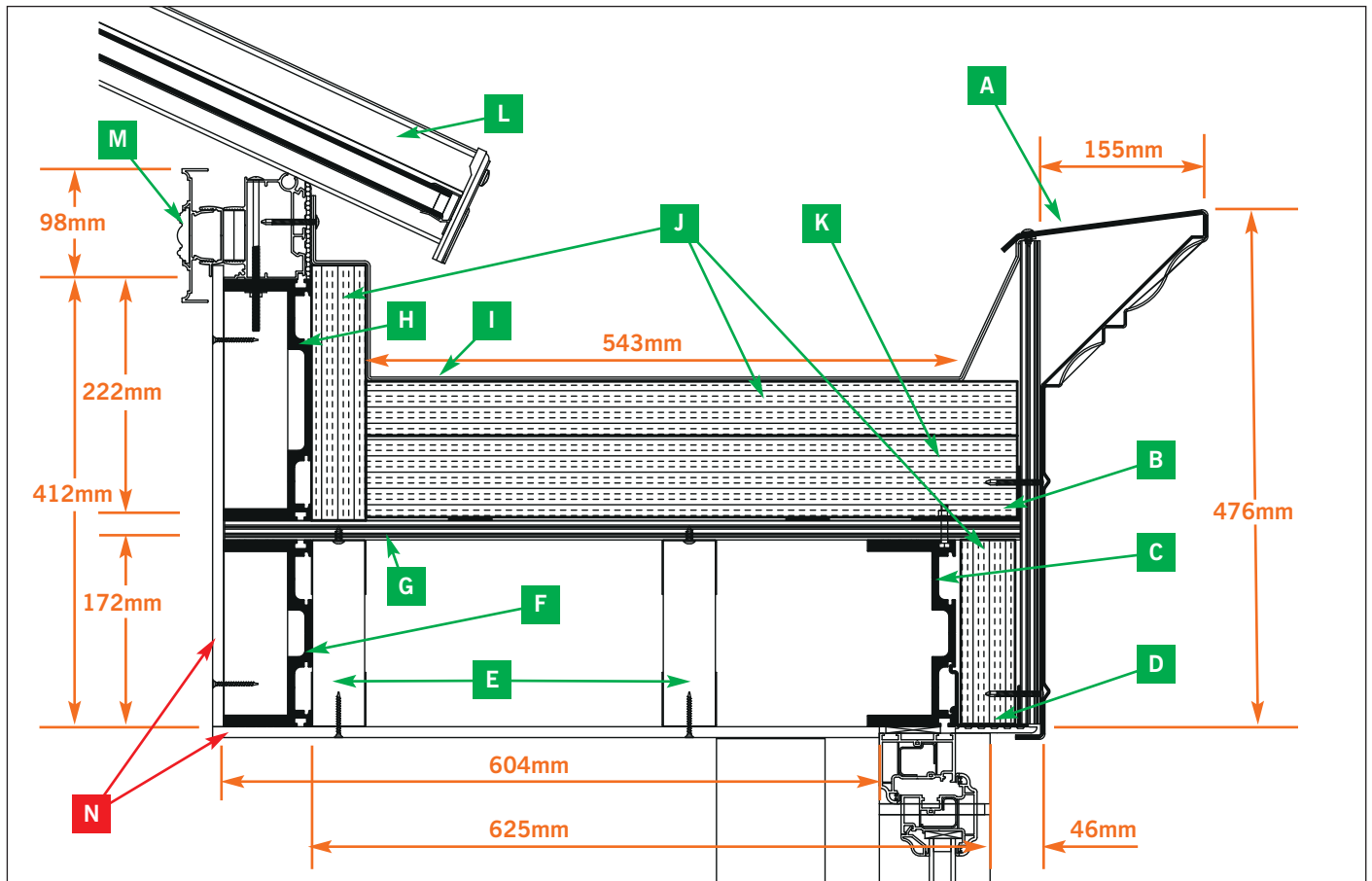
### KEY FEATURES

- Aluminium roof supported on structural aluminium legs (optional)
- 490/540mm powder coated aluminium frieze with welded corners
- Fully insulated warm roof construction (125mm insulation)
- 543mm integrated aluminium powder coated gutter
- Fully sealed gutter outlets, range of decorative aluminium hoppers and downpipes
- Deep (604mm (D) x 510/550mm (H)) internal plasterboard soffit

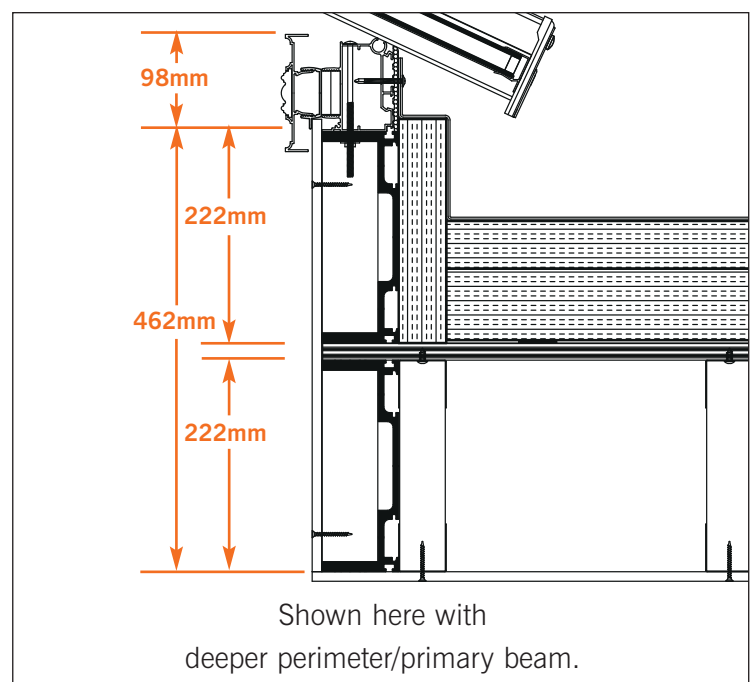
### KEY BENEFITS

- Project specific, easy to fit kit, no cutting or drilling of aluminium sections
- No problem walking on gutters for maintenance
- Structural and Heat Loss Calculations available
- Full technical drawings supplied





- A Aluminium Formed Frieze
- B Fascia Angle
- C Perimeter Beam
- D Fascia Mount
- E Dry Wall Framing
- F Primary Beam
- G 18mm Marine Ply
- H Lantern Beam
- I Aluminium Formed Gutter
- J 50mm insulation
- K 125mm insulation
- L K2 roof (note: 150mm overhang into gutter)
- M K2 Cascade or Options internal trim (shown)
- N 12mm plasterboard**



All items indicated are supplied **unless marked in red.**

## THE MODENA

K2 ORANGERIES GUIDE

The Modena utilises the same design technology with a modern front. Designed to either fit between parapet walls or on structural posts.

It has the capability to incorporate bi-folding doors up to 6300mm wide (subject to size and loading limitations).

As with all the orangery styles available with the K2 structural orangery design, the Modena meets the latest building standards regulations.

A contemporary design, with an external over-hanging soffit allowing the fitting of downlighters.



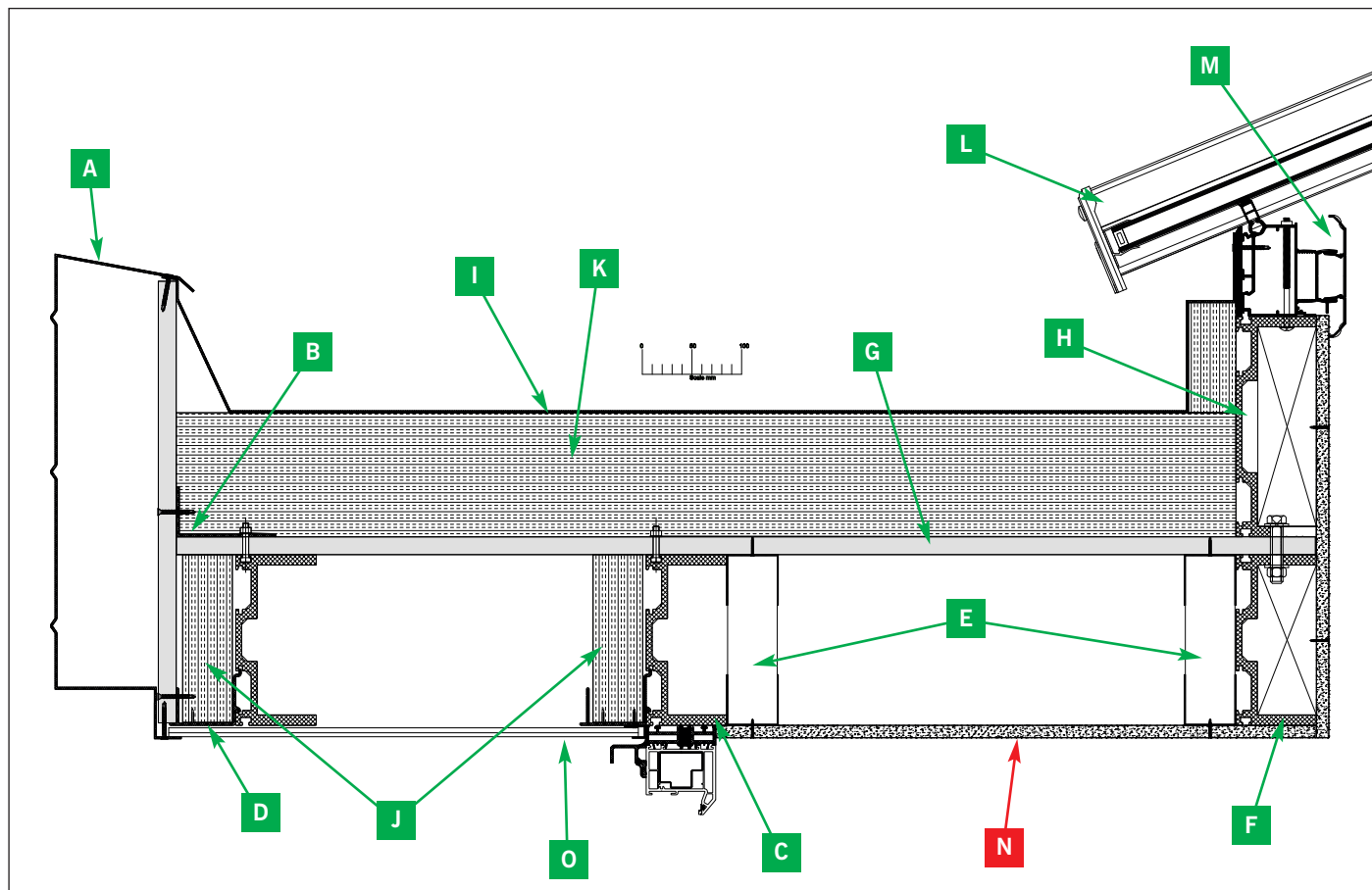
## THE MODENA

### KEY FEATURES

- Same structural principals as venetian plus additional cantilevered perimeter beam creating overlapping external soffit
- Modern design frieze
- 1200mm wide integrated aluminium gutter
- Fully insulated warm roof construction (125mm insulation)
- Fully sealed gutter outlets, range of decorative aluminium hoppers and downpipes
- Deep (604mm (D) x 510/550mm (H)) internal plasterboard soffit

### KEY BENEFITS

- Project specific, easy to fit kit, no cutting or drilling of aluminium sections
- No problem walking on gutters for maintenance
- Structural and Heat Loss Calculations available
- Full technical drawings supplied
- Ideal for townhouses



- A Aluminium Formed Frieze
- B Fascia Angle
- C Perimeter Beam
- D Fascia Mount
- E Dry Wall Framing
- F Primary Beam
- G 18mm Marine Ply
- H Lantern Beam
- I Aluminium Formed Gutter
- J 50mm insulation
- K 125mm insulation
- L K2 roof (note: 150mm overhang into gutter)
- M K2 Cascade or Options internal trim (shown)
- N 12mm plasterboard**
- O PVC T&G Soffit

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[www.k2conservatories.co.uk](http://www.k2conservatories.co.uk)



CONSERVATORIES

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