

The image shows a bright, airy orangery with a large, multi-paned skylight roof. The interior is furnished with two mustard-colored armchairs, a wooden coffee table, and a side table with a lamp. A family of three is gathered around the coffee table, looking at a book. Large windows on the side offer a view of a green lawn and a pond. The overall atmosphere is bright and inviting.

ultraframe  
*Orangery*

# System Guide

Version: 5.0  
Jan 2011



*For those who want light and space but with a difference*



## *Ultraframe Orangery*

The Orangery is a new take on the traditional atrium-style conservatory, brought up to date with the very latest technology from Ultraframe.

This stunning building floods the adjoining rooms with light, whilst the interior height of the Orangery creates a feeling of grandeur that is sure to appeal to the discerning homeowner.

The Ultraframe Orangery features a flat roof around the perimeter offering a range of features and benefits.

Alternatively, for any design that is 'non-standard', we can offer a full bespoke design service along with structural calculations. Typically, it may take up to 7 days to quote, and a further 14

days for calculations to be provided by our structural engineers. (Please note there is a service charge for these structural calculations).

Whichever option is chosen, rest assured that the Ultraframe team will help you throughout the process.

Help your customer stand out from the crowd and choose an Ultraframe Orangery.



ence, then the Orangery range from Ultraframe is it.



- Uses proven building components including the Ultraframe BBA roof
- Comprehensive structural calculations available (and chargeable).
- The package includes the complete structure above lintel height - which can be installed in under 2 days
- GRP flat roof covering is a purpose designed dry fit system
- Flat roof deck provides a traditional appearance.

**Ultraframe offers a distinct and structurally superior option – however, beware of cheap imitations. Consider these points before choosing;**

- Is support required from the host wall – can this support be structurally proven?
- Are structural calcs available - do they include lateral support?
- Do standard details exist or are you left to 'invent' them yourselves as you go along?
- Common default get out position of 'side frames/walls provide lateral support' is not applicable without additional structural components
- Beware designs where the roof sits on brick piers – the support is insufficient.

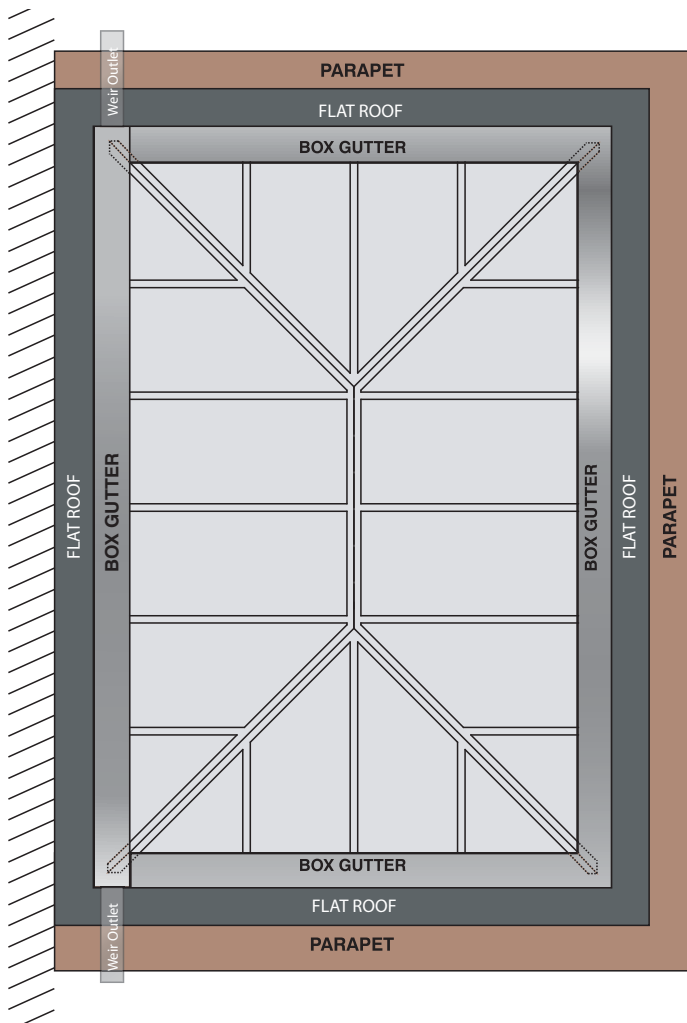
**Note of caution:**

**Successful Orangery construction should include an integrated approach to both vertical and lateral (racking) support for the entire structure, Many designs offer little more than a flat roof with no thought given to the restraint of window frames or slim masonry columns, which have limited strength.**

# Orangery

## Technical Specification

**LEAD TIME  
20 WORKING  
DAYS**  
(from signed order  
confirmation)



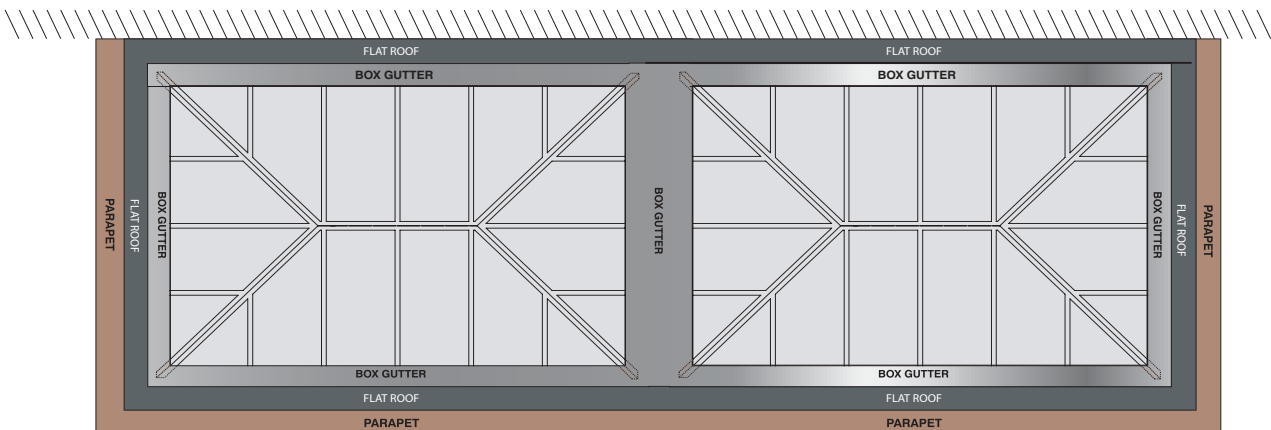
### IMPORTANT NOTE

**1.** There is a maximum internal brickwork size which can vary depending upon several factors. Ridge can be parallel to the host wall or at a right angle to it. For sizes bigger than the maximum, the glazed roof will be split into two (or more mini roofs) shown below.

**2.** Additional insulation to that which you would normally provide to a standard conservatory is probably required to the cavity wall and base/slab when compared to traditional conservatory bases.

### Standard Specification: (Upgrade options are available)

- Classic roof - Classic Plus and shades are options
- Roof includes 265mm insulated box gutter all round with bolted stop end joints
- Two hipped ends included
- Package also includes
  - Pre-fabricated structural deck system
  - Insulation panels cut to size to achieve 0.25 'U' value
  - Lead effect GRP flat roof covering
  - All structural straps and fixings
  - Vapour barrier
- Roof is supplied unglazed - recommendation is self cleaning Conservaglass. Ask for details
- Typical roof pitch is 25° - actual pitch dependant upon width/projection
- Chambered glazing bar top caps - all suite options available
- Decorative glazing bar undercladding
- White - with a choice of other finishes/colours to choose from.
- Orangery ball finial/ low profile cresting (other choices available)
- Eavesflow included
- Ultraselect Tapestry included (other choices available)
- A minimum of 2 outlets are provided - PVC hoppers and rain water pipes are supplied
- Option - Lantern side frames can be used



**Please call 0843 208 6953 to discuss your requirements.**





Please complete both pages and fax back to 0843 208 6945

v1.0 Apr 08

# Ultraframe Orangery

## Roof order/enquiry form Flat Roof Perimeter

Account No.

Company Name > ..... Delivery Address > .....

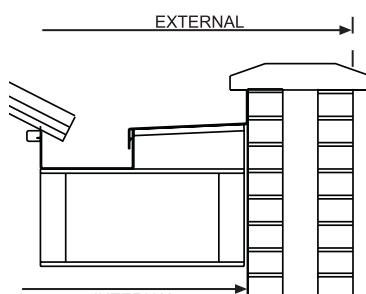
Company Contact > .....  
.....

Telephone No. > .....

Fax No. > ..... Order Reference No. > .....

ORANGERY STD ROOF SPECIFICATION	ROOF COLOUR
<ul style="list-style-type: none"> <li>• Typical pitch 25°</li> <li>• Chambered glazing bar top caps</li> <li>• Ball finial, Low profile cresting</li> <li>• Decorative glazing bar u/cladding</li> <li>• Ultraselect Tapestry</li> </ul> <div style="display: flex; align-items: center;"> <div style="font-size: 3em; margin-right: 10px;">}</div> <div> <p><i>other suite options available</i></p> <ul style="list-style-type: none"> <li>• 265mm insulated box gutter (supplied in two or four bolted sections) with 2 welded outlets</li> <li>• Rafter centres are 600-700mm</li> <li>• Eavesflow</li> <li>• Pre fabricated structural deck system including all fixings</li> <li>• Lead effect GRP flashing to flat perimeter roof</li> </ul> </div> </div>	<p><b>INTERNAL</b></p> <p><input type="checkbox"/> White    <input type="checkbox"/> Deeplas    <input type="checkbox"/> Light Oak    <input type="checkbox"/> Rosewood</p> <p><input type="checkbox"/> Painted onto unfoiled roofs</p> <p>Paint colour <u>eg. RAL</u> .....</p> <hr/> <p><b>EXTERNAL</b></p> <p><input type="checkbox"/> White    <input type="checkbox"/> Deeplas    <input type="checkbox"/> Light Oak    <input type="checkbox"/> Rosewood</p> <p><input type="checkbox"/> Painted onto unfoiled roofs</p> <p>Paint colour <u>eg. RAL</u> .....</p>

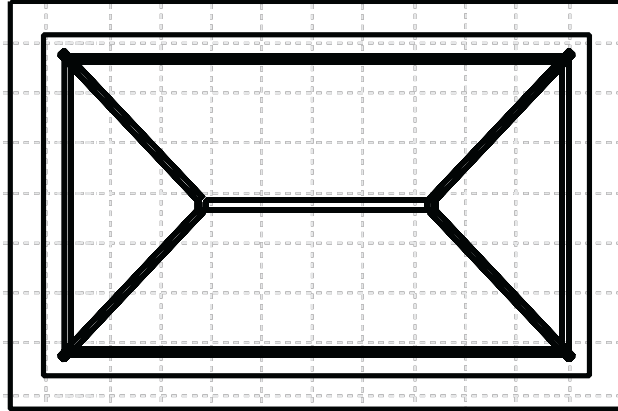
GLAZING OPTIONS				UNGLAZED <small>Glazing supplied by others</small>
GLASS				
<p><b>ANTI SUN (1.2)</b></p> <p><b>A1 (Blue) A2 (Grey)</b></p> <p><input type="checkbox"/>    <input type="checkbox"/></p>	<p><b>ANTI SUN (1.5)</b></p> <p><b>B1 (Blue) B2 (Grey)</b></p> <p><input type="checkbox"/>    <input type="checkbox"/></p>	<p><b>CLEAR</b></p> <p><b>C1 (1.2) C2 (1.5)</b></p> <p><input type="checkbox"/>    <input type="checkbox"/></p>	<p><b>CONSERVAGLASS</b></p> <p>Subtle Blue    Neutral Clear</p> <p><input type="checkbox"/>    <input type="checkbox"/></p> <p><small>NOTE: MS POLYMER SEALANT <b>MUST</b> BE USED</small></p>	<p>Poly 25mm    Glass 24mm</p> <p><input type="checkbox"/>    <input type="checkbox"/></p>
ROTABOND SEALANT (MS POLYMER)	SPACER BAR COLOUR	ROOF VENT OPTIONS		
<p>White (NCGS001/W)    Black (NCGS001/B)</p> <p><input type="checkbox"/> .....    <input type="checkbox"/> .....</p> <p style="font-size: small;">No. of tubes    No. of tubes</p>	<p>Silver    Bronze    Gold    White</p> <p><input type="checkbox"/>    <input type="checkbox"/>    <input type="checkbox"/>    <input type="checkbox"/></p> <p style="font-size: small;">Default</p>	<p>Mechanical    Brass    <input type="checkbox"/>    Electrical Switch    <input type="checkbox"/></p> <p>Chrome    <input type="checkbox"/>    Rain Sensor/Stat    <input type="checkbox"/></p>		

CONSTRUCTION DETAILS	SPECIFICATIONS
<p><b>Overall Cavity Wall Width</b></p> <p>..... mm</p> <p><b>Cavity Width *</b></p> <p>..... mm</p> <p><b>Deck Position</b></p> <p><input type="checkbox"/> At Lintel Height</p> <p><input type="checkbox"/> 1 course (76mm above lintel)</p> <p><input type="checkbox"/> 2 course (150mm above lintel)</p> <p style="font-size: small;">* Additional cavity width is needed to accommodate enhanced insulation</p>	<div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <ul style="list-style-type: none"> <li>• Parapet walls required on all elevations except host wall, minimum of 7 brick course or 500mm above lintel height excluding copings</li> <li>• Minimum pillar widths are:-                             <ul style="list-style-type: none"> <li>- Corners 2 x 2 bricks (450mm x 450mm)</li> <li>- Intermediate 1 1/2 bricks (340mm)</li> </ul> </li> <li>• Minimum combined pillar width - 25% of each side length.</li> <li>• Structural deck to sit at lintel height or 1 course above, manufactured with 10mm fitting tolerance on all sides.</li> <li>• Box gutter outlet centres to be 375mm from face of host wall.</li> <li>• Please allow 7mm fitting tolerance between frame tops and lintels.</li> <li>• Internal blocks to be 3.5kN load bearing.</li> <li>• Mark two outlet positions with <b>X</b></li> </ul> </div> </div>

**PLEASE SIGN BELOW & FAX BACK TO 0843 208 6945**

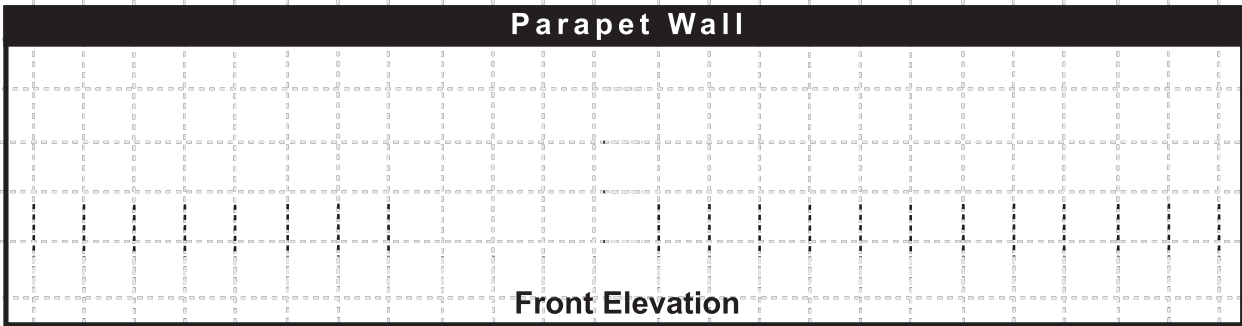
..... DATE .....

Please indicate house wall(s) on this drawing

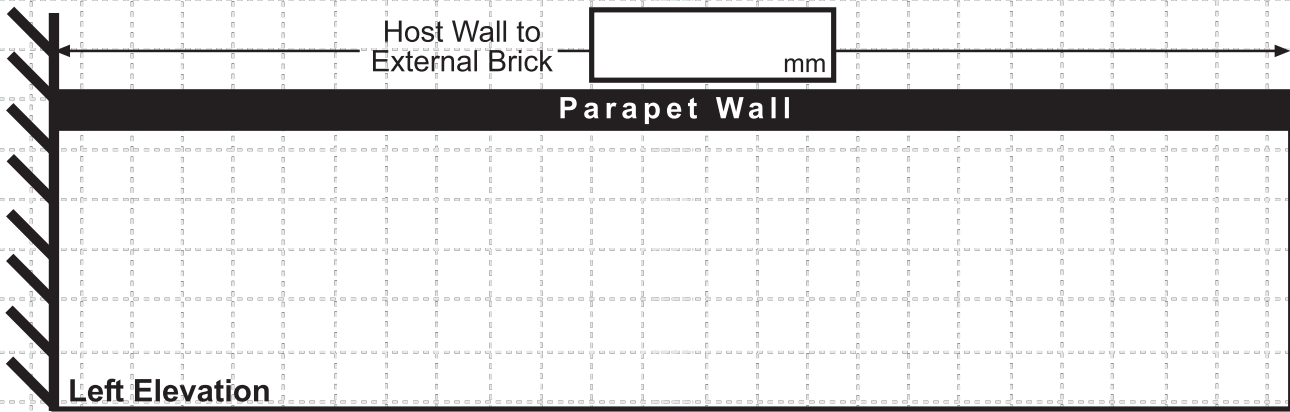


Please Supply Dimensions of Brickwork and Draw in your Window/ Door Openings

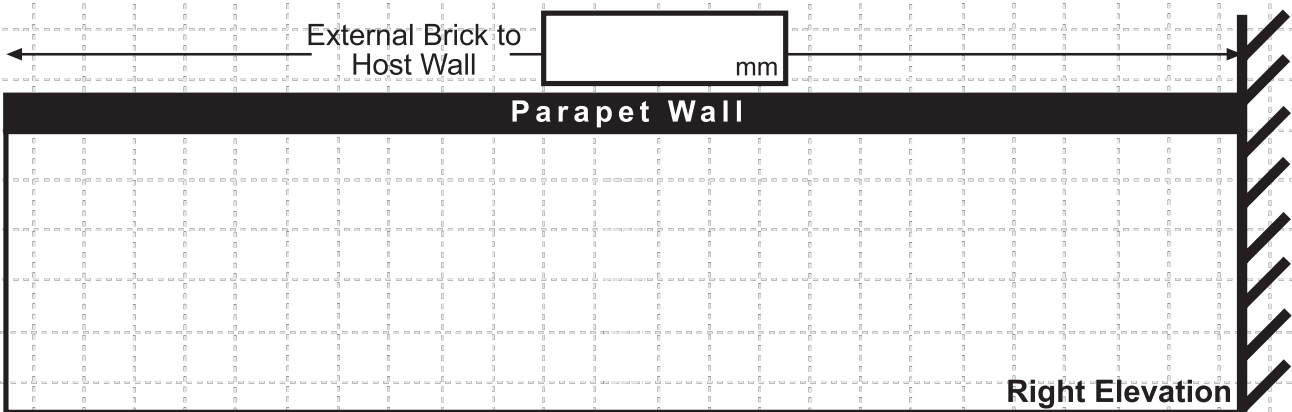
External Brick to External Brick  mm



Host Wall to External Brick  mm



External Brick to Host Wall  mm



Ultraframe's Orangery roof comes with a comprehensive step by step installation guide to ensure 'right first time' fitting. For further information on specification or technical support please call 0843 208 6953.



It is Ultraframe's policy to continually seek to improve its products, processes and services, and we reserve the right to change specifications without prior notice. Ultraframe is a trading name of Ultraframe (UK) Limited.

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# ultraframe

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