



Super duty eaves beam and aluminium folding/sliding doors

Version: 1.0
Oct 08

These sliding/folding doors add even more benefits to a homeowners enjoyment –



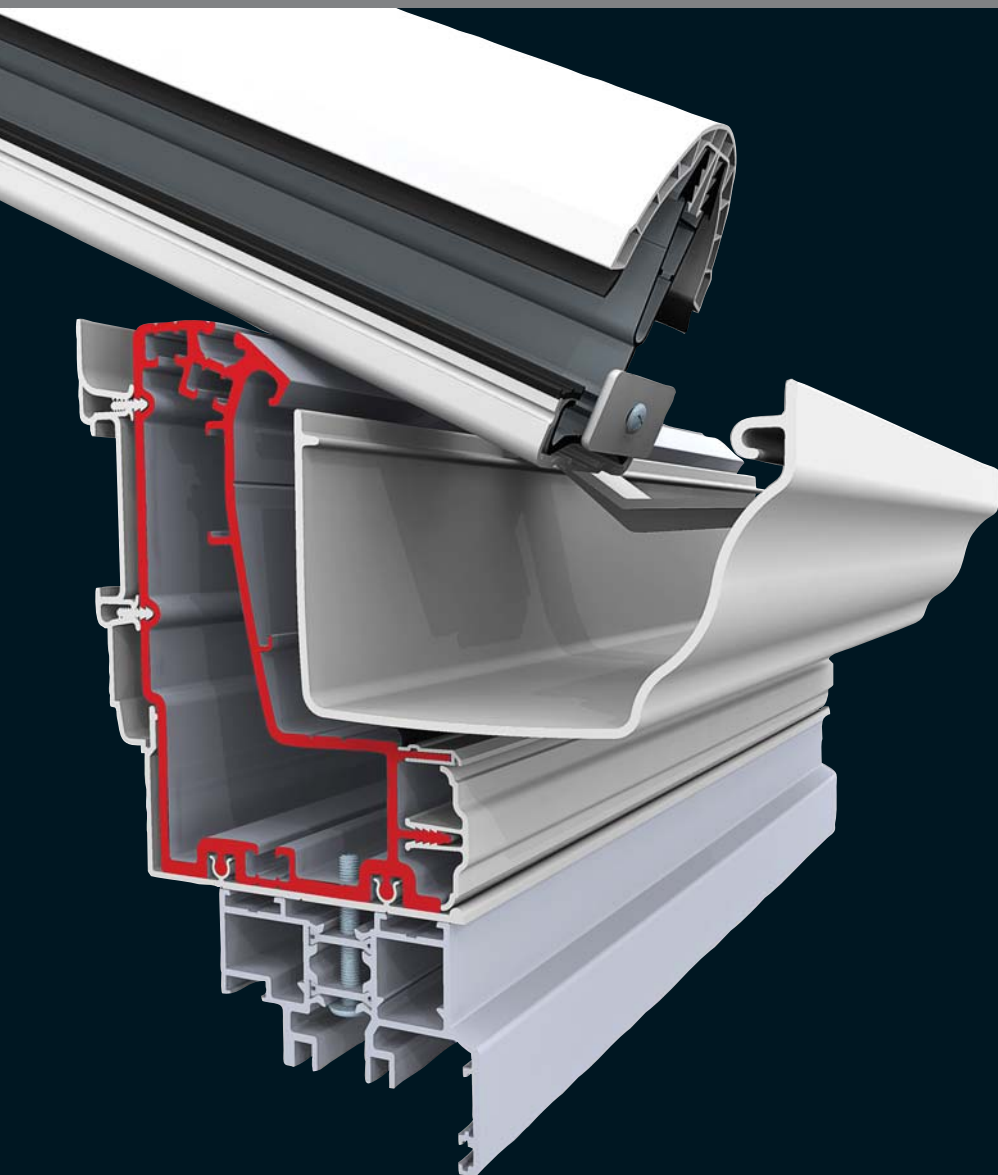
Consumers enjoy their conservatories because of the unique way they add light and space to a home. Equally important is that it brings the home and garden together, blurring the margin between inside and outside space.

The introduction of folding/sliding doors into the UK conservatory market is adding further benefits to those already enjoyed by homeowners with a conservatory. In place of the single leaf or double door set – with obvious width restrictions – consumers can now buy the much wider 'bi-fold' type doors that effectively open up virtually a whole side of a conservatory.

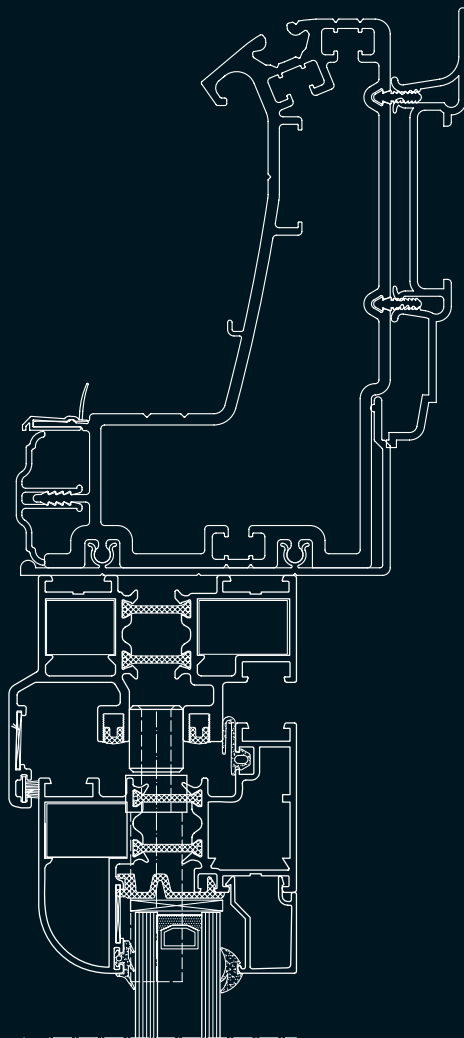
To enable the confident use of these sliding/folding doors, Ultraframe has introduced a new 'Super Duty' aluminium eaves beam which allows additional span widths before a goalpost arrangement 'kicks in'. If you would like the Super Duty aluminium eaves on your next conservatory, please complete the roof order form on page 10 (or speak to your fabricator/trade supplier).

If you require extra wide openings – beyond the span capabilities of the Super Duty eaves beam - Ultraframe can design, structurally prove, fabricate and powder coat a custom support arrangement that meets your exact needs. For further help with this option please call **0870 414 1002**.

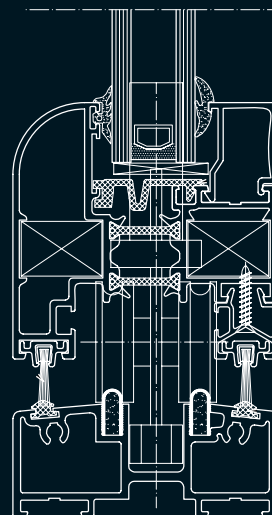
and you are safe in the knowledge that Ultraframe Classic engineering underpins it



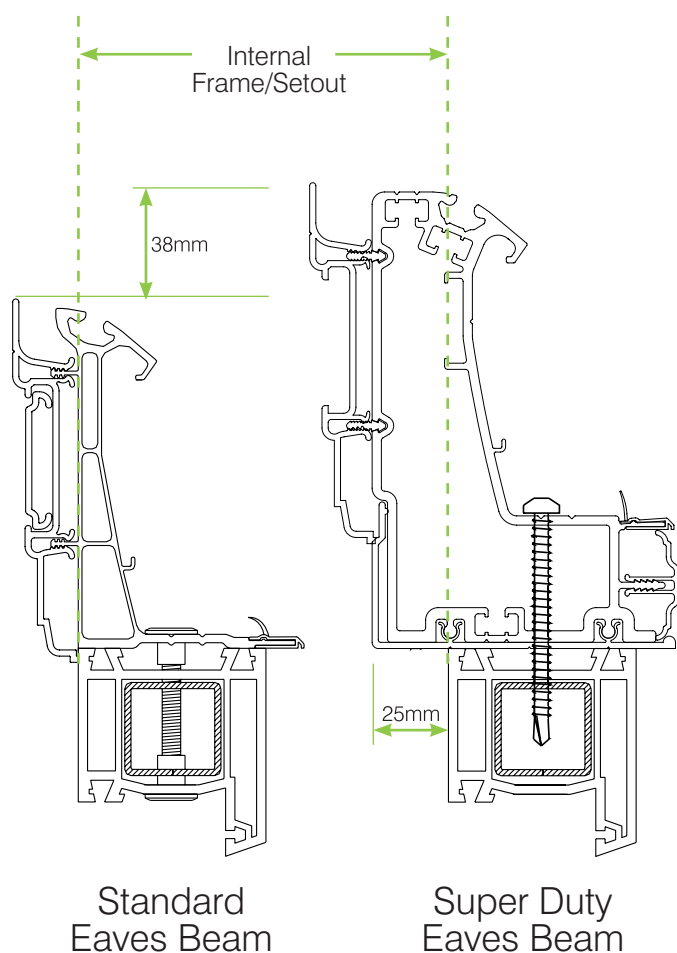
Typical detail - Actual detail may vary



Typical detail - Actual detail may vary



Technical Specification - Super Duty Eaves Beam



IMPORTANT NOTE FOR FITTERS

Super Duty Eaves Beam sits 38mm higher and eaves beam is further 25mm 'in board' of the frames

The Super Duty Eaves Beam allows confident specification of folding/sliding doors (or indeed any type of opening such as in-line sliders where additional spanning performance is needed).

- Structural 'beefier' aluminium profile that uses existing pvc components to clad and cap for optimum performance
- Sits 38mm taller than the standard eaves beam (remember this when calculating overall ridge heights). Be aware especially where height is critical, such as where windows above may foul or overhanging bungalow fascias.
- Needs to be specified all the way round the nominated conservatory and NOT simply on the facet into which the doors are to be fitted (this is critical when calculating the uplift price)
- Readily interfaces with box gutters and Gable Support Beam, to offer maximum integration and configurability
- Can be specified at pitches from 5-40° and in all existing Ultraframe Classic colours
- The span charts on the page opposite need to be studied carefully BEFORE conservatory selling and design starts.....the elevation into which the doors are to be fitted, the style of conservatory and the 'span onto' dimension all affect the maximum allowable width of opening when using the Super Duty Eaves Beam.
- If your conservatory design requires an opening width greater than that which can be offered with the Super Duty Eaves beam, then a portal/goalpost arrangement will be needed – please call 0870 414 1002 if you need a custom solution.

IMPORTANT NOTE FOR DESIGNERS/SPECIFIERS

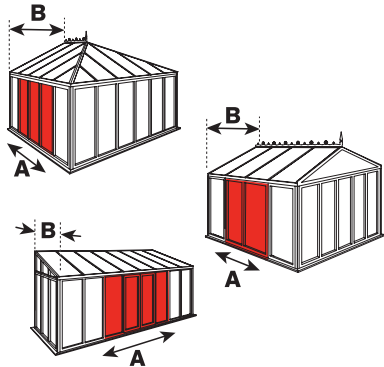
We advise that a support post (not supplied) is used each side of the doors – this needs to attach to the Super Duty Eaves Beam and attach to the floor slab. It is the responsibility of the conservatory designer/specifier to provide full lateral and vertical support for the Super Duty Eaves Beam – loads are likely to be higher than conservatory retailers are used to.

To order your Classic roof featuring the Super Duty Eaves Beam, please complete the order form on page 10 and fax back to 0800 013 1939

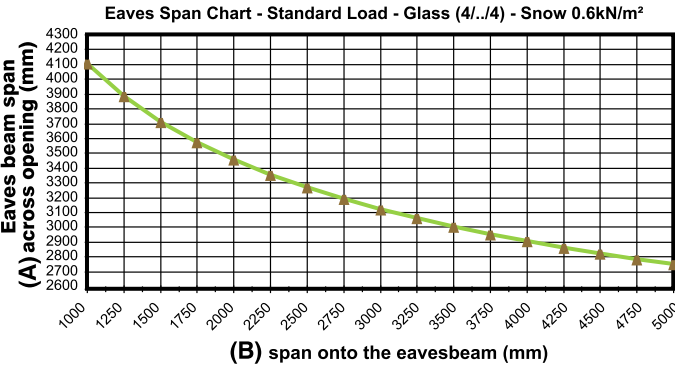
Structural span performance

1. Opening span performance

Doors into the front elevation of a Lean to or a side elevation of a Victorian/Georgian/Gable style conservatory

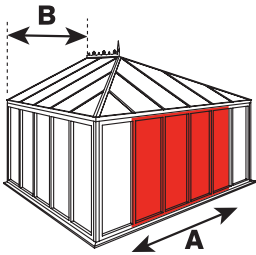


Super Duty Eaves Beam

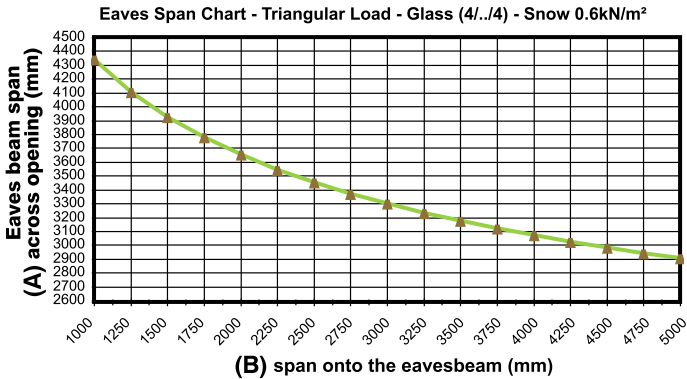


2. Opening span performance

Doors into the front elevation of a Georgian style conservatory with hip bars



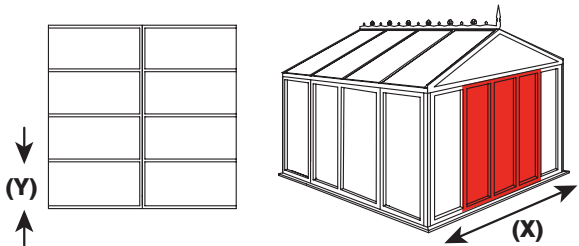
Super Duty Eaves Beam



3. Opening span performance

Doors into the front elevation of a Gable style conservatory

This style uses the established Gable Support Beam for doors in the front and standard eaves beam on the sides. For doors in the sides, use Super Duty Eaves Beam on the sides and preferably, Gable Support Beam on the front - cost accordingly



Example -

For a Gable conservatory with a width of 4000mm (X), a roof pitch of 25° and with 750mm distance to the first glazing bar (Y), the maximum opening span for the doors would be 2900mm.

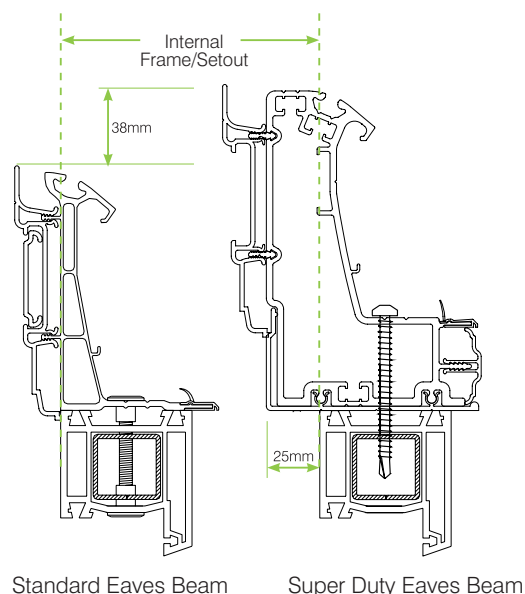
Available unsupported span of Gable Eaves Beam (0.6kN/m² snowload and 4/../4mm glass units)

PITCH	FIRST BAR CENTRE (Y)	WIDTH OF GABLE (mm) (X)																
		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
15°	1000									2900	2800	2750	2700	2650	2600	2550	2500	2450
15°	750										3100	3050	2950	2900	2850	2800	2750	2700
15°	600											3250	3200	3100	3050	3000	2950	2900
20°	1000									2900	2800	2750	2700	2650	2600	2550	2500	2450
20°	750										3100	3000	2950	2900	2850	2800	2750	2700
20°	600											3250	3200	3100	3050	3000	2950	2900
25°	1000									2900	2800	2750	2700	2600	2550	2500	2450	2400
25°	750										3100	3000	2950	2900	2800	2750	2700	2700
25°	600											3250	3150	3100	3050	3000	2950	2900
30°	1000									2850	2800	2750	2650	2600	2550	2500	2450	2400
35°	1000									2850	2800	2700	2650	2600	2550	2500	2450	2400
40°	1000									2850	2750	2700	2650	2550	2500	2500	2450	2400

All configurations in the shaded area have an opening span the full width of the conservatory

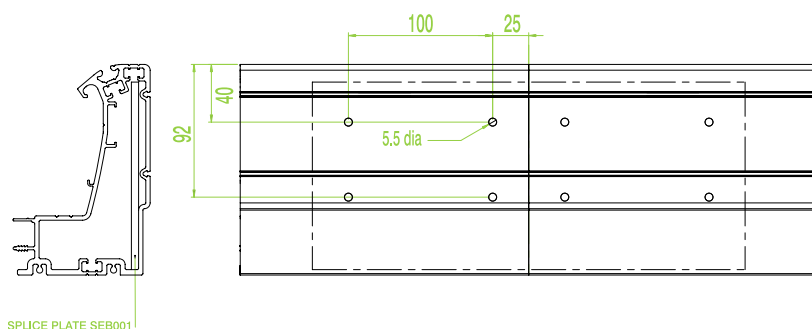
Super Duty Eaves Beam - Assembly details

Surveyors/conservatory designers/fitters should read these notes and drawings. Whilst some of the details are provided for oof fabrication businesses, All of these drawings need to be understood by the on



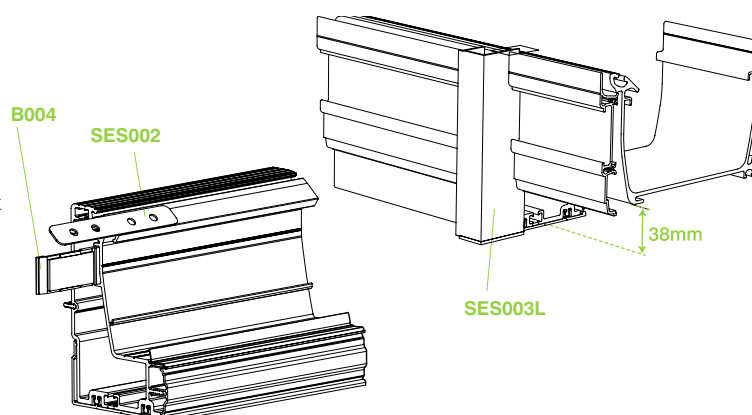
Inline jointing - Eaves Beam to Eaves Beam

- This detail is to be used when a run of eaves beam is greater than the maximum single stock length (6m)
- Spliced joints are to ensure accurate alignment of 2 extrusions
- When specifying spliced joints precautions must be taken to ensure that adequate support is provided beneath the joint
- Never place joints over doors
- Each spliced joint must be secured using 8 M6x16mm taptite screws (SFS001)
- Consult Ultraframe technical department for joint position advice

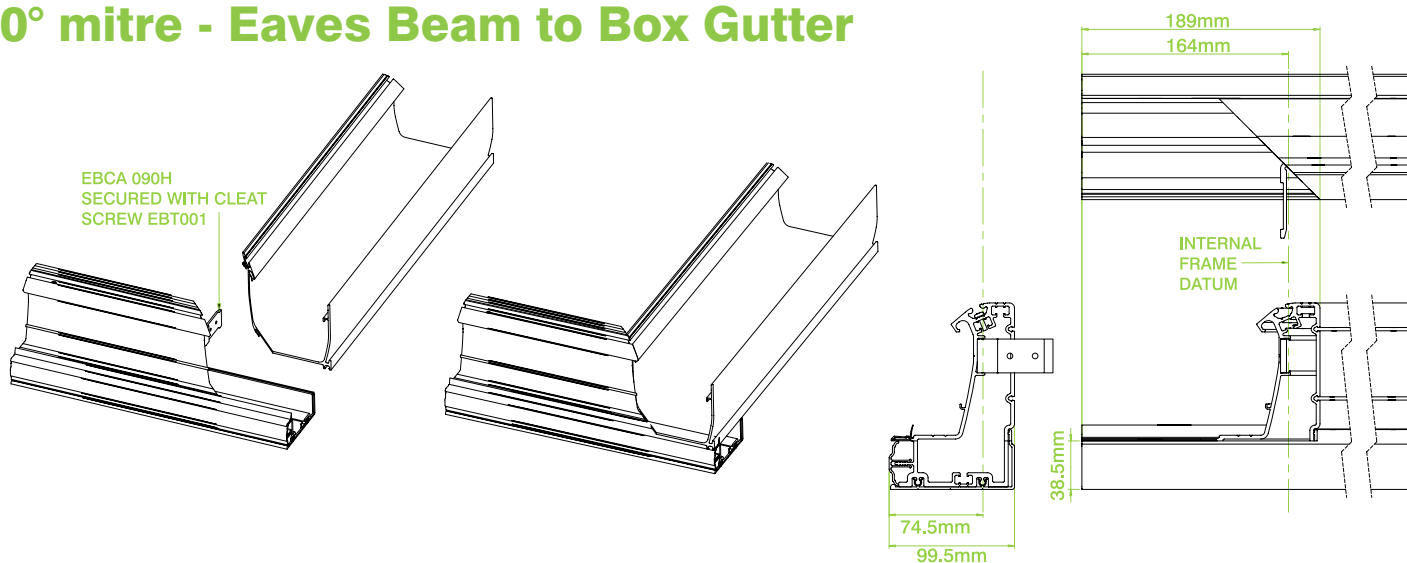


Inline jointing - Eaves Beam to Box Gutter

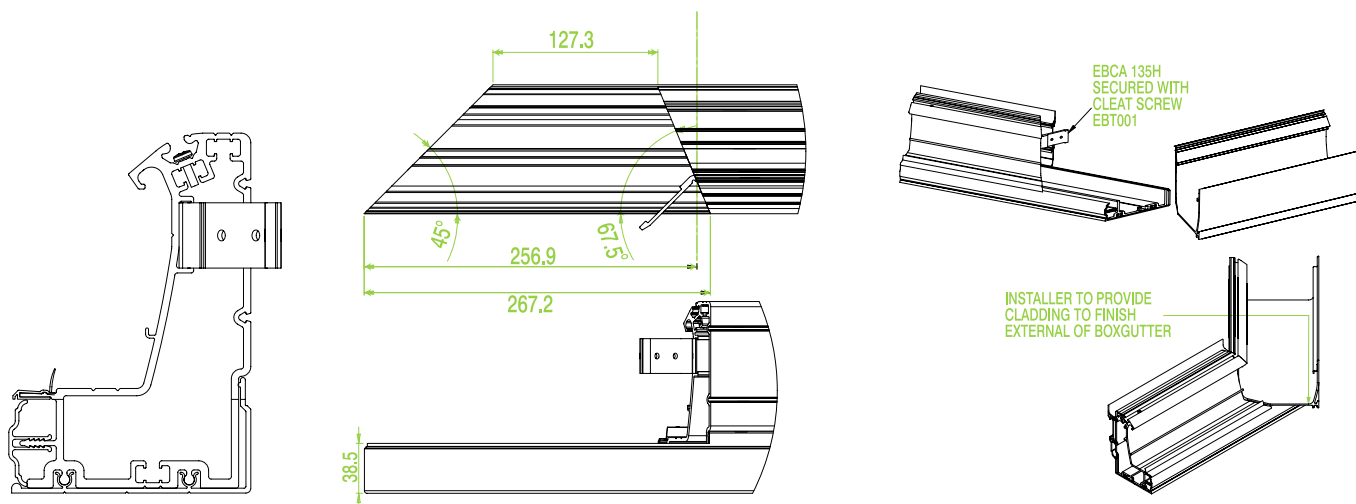
- To assist alignment with the box gutter, SES002 fitted to SEB---
- SEB004 fitted to SEB---
- Remember to ensure that SEB 003L/R is supplied
- Beware of the extra 38mm to the underside of the box gutter when ordering corner posts and other materials to fill the void below the box gutter
- Left hand joint shown with SEB 003L in-situ SEB to the left and box gutter to the right when viewed from inside the conservatory



90° mitre - Eaves Beam to Box Gutter

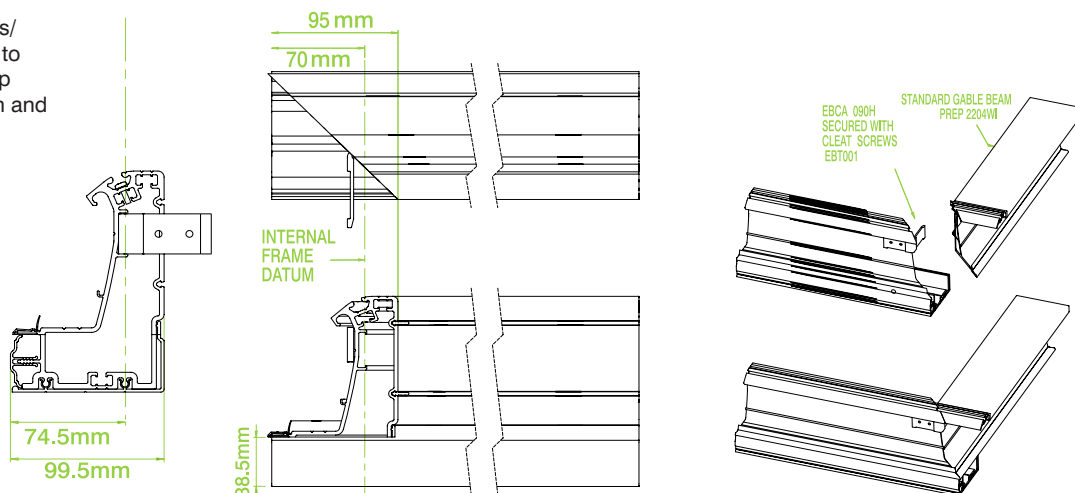


135° mitre - Eaves Beam to Box Gutter



90° mitre - Eaves Beam to Gable Support Beam

- Surveyors/conservatory designers/fitters must be aware of the need to provide a 38mm infill to fill the gap beneath the Gable Support Beam and head of the frames



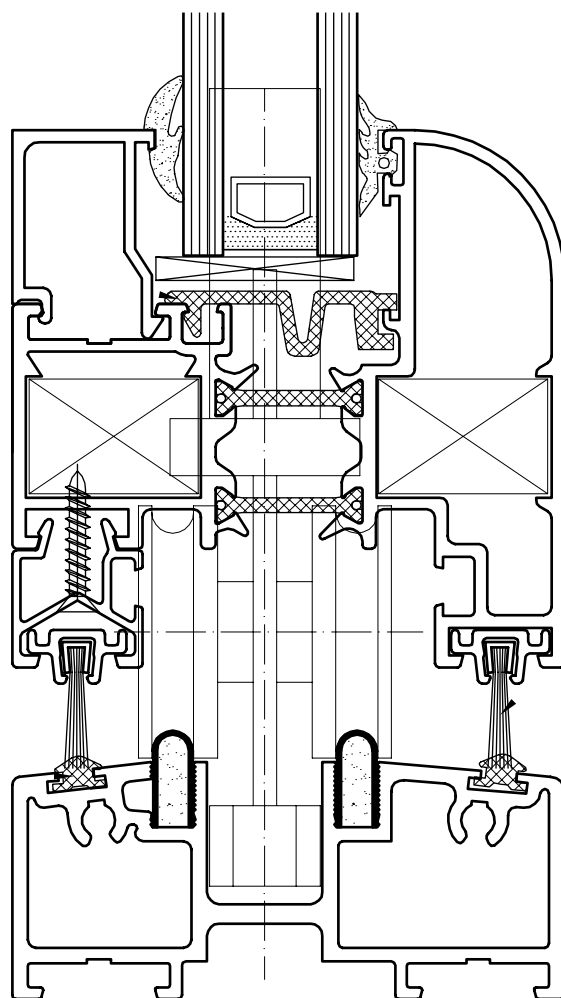
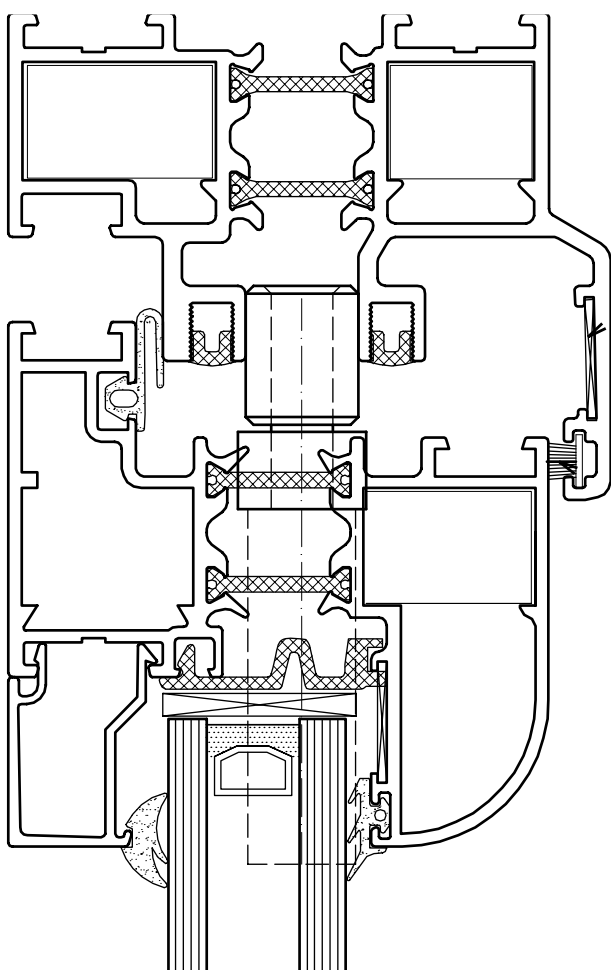
Technical Specification - Folding/Sliding Doors

Specification

- SMART Systems aluminium powder coated profiles
- 3-4-5-6 panel configurations available – right to left or left to right opening
- Traffic doors to left, right or central pairs
- Maximum width 6000mm opening, minimum opening 1800mm
- Maximum sash size is 1000mm, minimum 600mm
- Standard opening height is 2100mm, maximum height is 2500mm
- Colours – white is standard, other colours are available from the RAL colour chart.
- Doors are glazed with 28mm sealed units with a silver spacer bar – centre pane 'U' value of 1.2.

Options

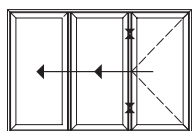
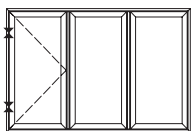
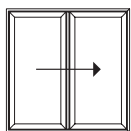
- Aluminium cills – no cill is supplied as standard - choose from 150mm or 190mm
- Track – choose from an exposed weathering or sheltered elevation option
- Ventilation – this is in the form of a continuous slot vent in a 42mm add-on profile (profile can be left or right, top or bottom).
- Drainage – no drainage is provided, specify face drainage
- Door stacking – 'stack in' or 'stack out'



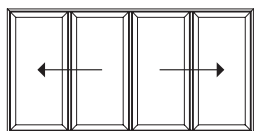
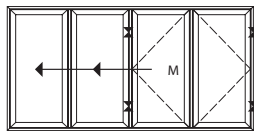
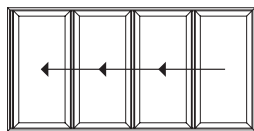
Door Configurations

Doors can be specified from one of three types - a straight forward sliding door, a standard hinged door or a sliding traffic door. All doors can fold/slide to left or right and can be ordered to stack in or stack out

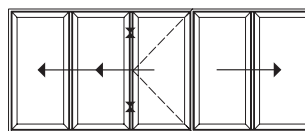
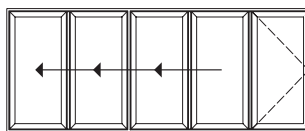
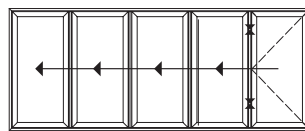
BFD003
▼ 2/3 pane



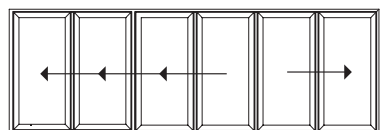
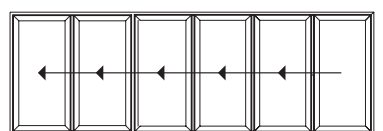
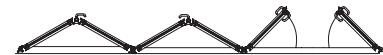
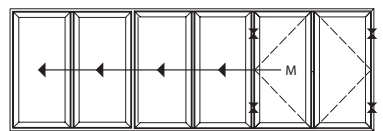
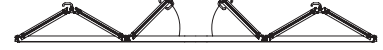
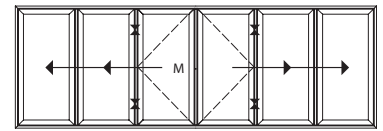
BFD004
▼ 4 pane



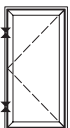
BFD005
▼ 5 pane



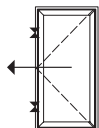
BFD006
▼ 6 pane



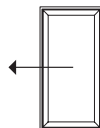
Door Type/Opening Configuration



Traffic Door
TD



Sliding Traffic
Door SLTD



Sliding Door
SL

To order folding/sliding doors, please complete the order form on page 11 and fax back to 0800 013 1939

Classic Roof order form

Account No.

Company Name ➤

Order Number ➤

Job Reference ➤

Company Contact ➤

Telephone No. ➤

Fax No. ➤

Delivery Address ➤

Delivery Date Req ➤

Quotation Ref ➤

PLEASE SKETCH ROOF HERE

GENERAL ROOF INFORMATION

ROOF COLOUR

External ➤ ☐ White ☐ Deeplas ☐ Mahogany ☐ Light Oak ☐ Rosewood
Internal ➤ ☐ ☐ ☐ ☐ ☐

ROOF PITCH

Roof pitch ➤
Roof height restriction ➤

Post code ➤
Bay angles ➤
Frame width ➤

GLAZING BAR OPTIONS

TOP CAPPINGS

Standard Caps ☐ Chambered Dome ☐ Chambered Bevel ☐

UNDERCLADDINGS

Standard ☐ Decorative ☐

EAVES BEAM OPTIONS

EAVES BEAM

Standard ☐
Super Duty (for Bi-fold doors) ☐

FASCIA CLADDING

V Groove ☐
Ultraselct ☐ ➤
Order from 28th Nov for Super Duty (State design)

EAVES OPTIONS

Eavesflow ☐
Dentil Moulding (Standard eaves only) ☐

GABLE BEAM

Full gable ☐
Lean-to ☐

RWP

Square ☐
Round ☐

BOX GUTTER

☐ 165mm ☐ 265mm
☐ Other (Please show on drawing)

GLAZING OPTIONS

POLYCARBONATE

25mm ➤ ☐ Clear ☐ Bronze ☐ Opal ☐ Bronze/Opal ☐ Heatguard ☐ Polyspan (Blue) ☐ Polyspan (Grey) ☐
35mm ➤ ☐ ☐ ☐ ☐ ☐ **N/A** **N/A**

UNGLAZED

Glazing supplied by others

Poly 25mm ☐ Poly 35mm ☐ Glass 24mm ☐

CONSERVAGLASS

Subtle Blue ☐ Neutral Clear ☐
24mm ➤ ☐

NOTE: MS POLYMER SEALANT MUST BE USED

SPACER BAR COLOUR

Silver ☐ Bronze ☐ Gold ☐ White ☐
Default

ROTABOND SEALANT (MS POLYMER)

White (NCGS001/W) ☐ No. of tubes
Black (NCGS001/B) ☐ No. of tubes

RIDGE OPTIONS

CRESTING

Renaissance ☐ Classic ☐ Tudor ☐ Baroque ☐ Elizabethan ☐ Low profile ☐

FINIAL

Pikestaff ☐ Classic ☐ Coronet ☐ Sceptre ☐ Low profile ☐

ADDITIONAL OPTIONS

TIE BARS

Roof Colour ☐ Brass ☐ TBRK (If possible) ☐

CONSERVAFLASH

Yes ☐ Soaker Only ☐

ROOF VENT

Mechanical ☐ Brass ☐ Chrome ☐
Electrical Switch ☐
Rain Sensor/Stat ☐

ANCILLARIES

➤
.....

PLEASE SIGN BELOW & FAX BACK TO 0800 013 1939

.....

DATE

ultraframe

Sliding/Folding Doors Order form

Account No.

Company Name ➤

Order Number ➤

Job Reference ➤

Company Contact ➤

Telephone No. ➤

Fax No. ➤

Delivery Address ➤

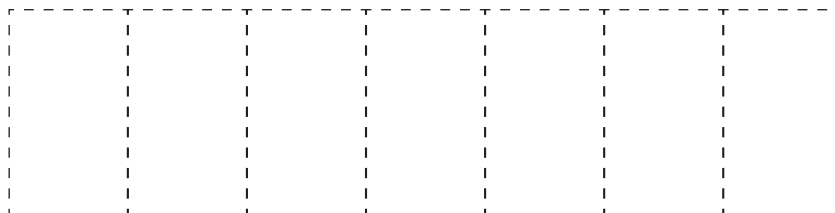
Delivery Date Req ➤

Quotation Ref ➤

Draw doors in elevation and plan view. Mark on direction of travel and door type/opening Configurations

Overall Width ➤

Overall Height ➤



Door widths approximately equal

Track

Inside

Outside

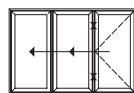
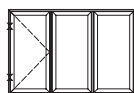
FOLDING/SLIDING DOORS

DOORS	TRACK	FINISH COLOUR		FURNITURE	42mm ADD ON
<input type="checkbox"/> Stack in <input type="checkbox"/> Stack out	<input type="checkbox"/> DV10 Weathered 63mm <input type="checkbox"/> DV70 Non-Weathered 30mm	INTERNAL <input type="checkbox"/> White gloss <input type="checkbox"/> Other (RAL) ➤	EXTERNAL <input type="checkbox"/> White gloss <input type="checkbox"/> Other (RAL) ➤	<input type="checkbox"/> White (standard) <input type="checkbox"/> Black <input type="checkbox"/> Silver	<input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Top <input type="checkbox"/> Bottom
TRICKLE VENT	CILL	DRAINAGE	GLAZING	SPACER BAR	
<input type="checkbox"/> 4000mm <input type="checkbox"/> 8000mm <small>Must be selected with 'add-on'</small>	<input type="checkbox"/> None <input type="checkbox"/> 150mm <input type="checkbox"/> 190mm	<input type="checkbox"/> None <small>(Internal use only)</small> <input type="checkbox"/> Face	<input type="checkbox"/> 28mm units <input type="checkbox"/> Size only no glass <small>(1.2 'U' value)</small> <input type="checkbox"/> Other ➤	<input type="checkbox"/> Silver <input type="checkbox"/> Bronze <input type="checkbox"/> Gold <input type="checkbox"/> Other ➤	

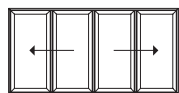
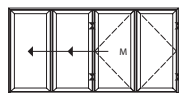
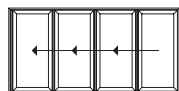
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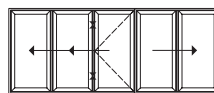
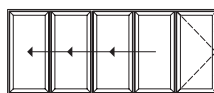
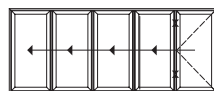
BFD003
▼ 2/3 pane



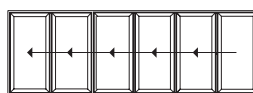
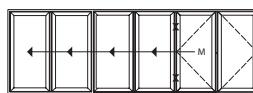
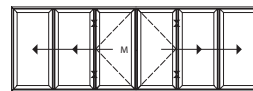
BFD004
▼ 4 pane



BFD005
▼ 5 pane



BFD006
▼ 6 pane



Door Type/Opening Configuration



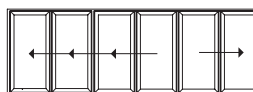
Traffic Door
TD



Sliding Traffic
Door SLTD



Sliding Door
SL



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DATE

ultraframe

ultraframe

Ultraframe (UK) Ltd, Salthill Road, Clitheroe, Lancashire. BB7 1PE

www.ultraframe.co.uk

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Conservaglass, is a registered trademark of Ultraframe (UK) Ltd.

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SEEB010 Abs 2000 0908

Sliding/Folding Doors

Price List

This price list MUST be read in conjunction with the technical brochure and the span charts over page.

Standard Specification

- White (other colours available)
- Double glazed 28mm units 'U' value 1.2
- White handles
- Doors can fold inside or out

Cost Options

- Height over 2100mm - **add 5%**
- Non-white colour - **one side add 5%**
- **two sides add 10%**
- Painted for coastal/marine environments - **add 5%**

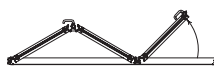
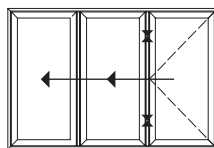
Prices for Super Duty Eaves Beam

To upgrade to Super Duty Eaves Beam, refer to the span charts over page and carefully read the technical brochure.

You must use the Super Duty Eaves Beam on every facet of the nominated conservatory.

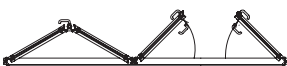
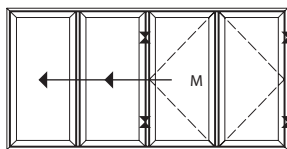
Take your conservatory roof price and add £99.90/linear metre list price.

BFD003 THREE PANEL



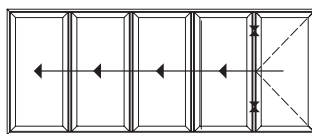
WIDTH	NETT PRICE (£)
1800	2299
2000	2394
2200	2436
2400	2478
2600	2520
2800	2562
3000	2662

BFD004 FOUR PANEL



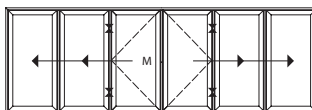
WIDTH	NETT PRICE (£)
2800	3064
3000	3164
3200	3234
3400	3304
3600	3374
3800	3444
4000	3544

BFD005 FIVE PANEL



WIDTH	NETT PRICE (£)
3800	3720
4000	3820
4200	3868
4400	3906
4600	3950
4800	4036
5000	4136

BFD006 SIX PANEL



WIDTH	NETT PRICE (£)
4800	4387
5000	4487
5200	4530
5400	4573
5600	4617
5800	4685
6000	4785

Super Duty Eaves Beam

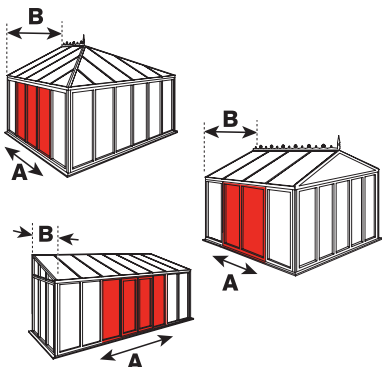
Span Performance

Check the maximum allowable span of the Super Duty Eaves Beam. We advise that a support post (not supplied) is used each side of the doors.

If the span performance you require is greater than the Super Duty Eaves Beam can deliver, then a portal/goalpost arrangement will be needed - please call 0870 414 1002 for a quotation on a custom solution.

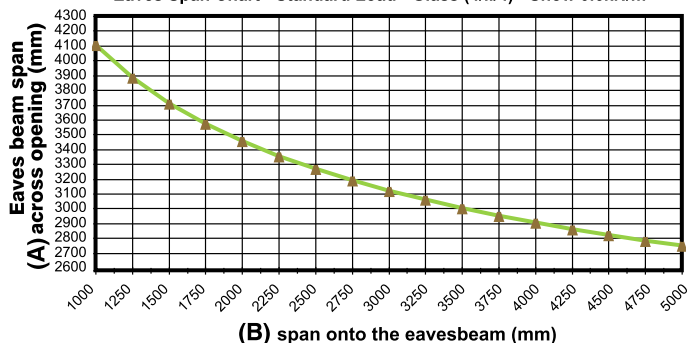
1. Opening span performance

Doors into the front elevation of a Lean to or a side elevation of a Victorian/Georgian/Gable style conservatory



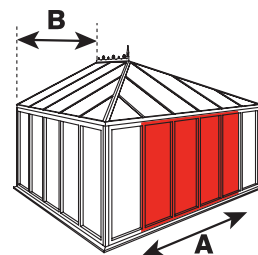
Super Duty Eaves Beam

Eaves Span Chart - Standard Load - Glass (4/..4) - Snow 0.6kN/m²



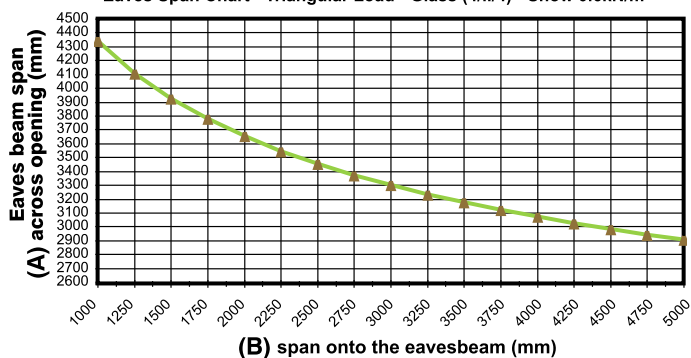
2. Opening span performance

Doors into the front elevation of a Georgian style conservatory with hip bars



Super Duty Eaves Beam

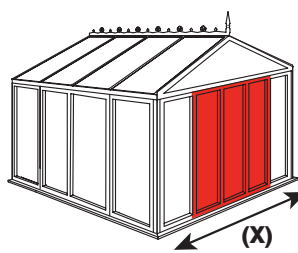
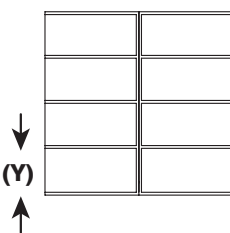
Eaves Span Chart - Triangular Load - Glass (4/..4) - Snow 0.6kN/m²



3. Opening span performance

Doors into the front elevation of a Gable style conservatory

This style uses the established Gable Support Beam for doors in the front and standard eaves beam on the sides. For doors in the sides, use Super Duty Eaves Beam on the sides and preferably, Gable Support Beam on the front - cost accordingly



Example -

For a Gable conservatory with a width of 4000mm (X), a roof pitch of 25° and with 750mm distance to the first glazing bar (Y), the maximum opening span for the doors would be 2900mm.

Available unsupported span of Gable Eaves Beam (0.6kN/m² snowload and 4/..4mm glass units)

PITCH	FIRST BAR CENTRE (Y)	WIDTH OF GABLE (mm) (X)														
		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500
15°	1000									2900	2800	2750	2700	2650	2600	2550
15°	750										3100	3050	2950	2900	2850	2800
15°	600											3250	3200	3100	3050	3000
20°	1000									2900	2800	2750	2700	2650	2600	2550
20°	750										3100	3000	2950	2900	2850	2800
20°	600											3250	3200	3100	3050	3000
25°	1000									2900	2800	2750	2700	2600	2550	2500
25°	750										3100	3000	2950	2900	2800	2750
25°	600											3250	3150	3100	3050	3000
30°	1000									2850	2800	2750	2650	2600	2550	2500
35°	1000									2850	2800	2700	2650	2600	2550	2500
40°	1000									2850	2750	2700	2650	2550	2500	2450

All configurations in the shaded area have an opening span the full width of the conservatory