

V15 | May 2026

Selling, surveying & specifying Ultraroom

COMPLETE GUIDE

DEAR TRADE PARTNER OR CONSERVATORY BUYER,

The Ultraroom is pre-manufactured to ensure consistent quality and a speedy installation with less waste.



PREFERRED

8 out of 10 homeowners prefer Ultraroom

- Full length glass panels
- No tie bar required
- Internal pelmet and external soffit for lighting
- Highly authentic slate or Metroslate shingle finish
- Slimline hips and ridge cappings
- 8 out of 10 homeowners would choose to buy Ultraroom over leading competitors*



WARMEST

Unrivalled thermal performance

- U-Value of 0.15 with option to reduce to 0.12 if required
- Complete warm roof system, with no cold bridging
- Fully insulated 380mm structural beam



FASTEST

Faster to fit than any other solid roof

- Ultraroom slates supplied in panels of 2 slates
- 100% pre-fabrication - no cutting required
- No internal battening required
- Expandable panel and wide beam to accommodate tolerances on site
- High quality, practical technical support as you need it



LIGHTEST

The lightest slated roof on the market

- Weighs only 38kg/m² lighter than any other solid slated roof
- Designed by conservatory specialists, Ultraframe to replace existing conservatory roofs
- Lightweight panels are cut to size and easy to manoeuvre



FIRE TESTED

Independently and fully fire tested

- Components AND complete structure both fully fire tested
- Fire test certificates available online
- Fire rated as B-roof according to EN 13501-5: 2016
- Fire rated as AC according to BS476-3:2004



STRONGEST

Unsupported spans up to 4m

- Superior strength for larger designs up to 6.7 by 5m
- 4M spans for bi-folds without extra support
- Highly configurable to any shape and size
- NASA satellite data used to precision engineer every roof for wind AND snow loads.

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ULTRAROOF OVERVIEW

Product definition

Ultraroor is a solid roof, perfect for the speedy replacement of tired conservatory roofs. It is a packaged solution, off site manufactured for rapid assembly and compliant with relevant Building Regulations. Ultraroor is classed as a 'warm roof' and gives a vaulted/loft type ceiling. There are three major elements to Ultraroor;

#1



INSULATED BEAMS

A patented box eaves beam, filled with mineral wool cavity insulation - that forms the soffit structure - approx 380mm front to back depth.

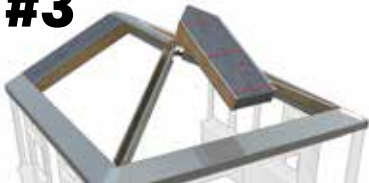
#2



ALUMINIUM FRAMEWORK

The hidden structural aluminium framework of ridges and hips are pre-manufactured and engineered for speed accuracy on site.

#3



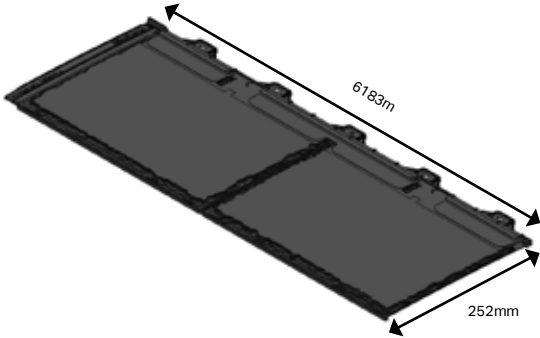
STRUCTURAL ROOF PANELS

Mechanically fixed (Ultrapanel) Structural Insulated Roof Panels are attached to the box eaves and structural framework.

Ultraroor Slate options:

Tongue and grooved 11mm OSB is then fixed before a high performance water proofing breathable membrane layer is laid. Ultraroor slate engineered copolymer interlocking slates sheet (2 slates per sheet) are then laid across the roof slope.

Ultraroor is available with Ultraroor authentic lightweight slate or Metroslate shingle finish. For more information on the slate options, please see page 15 and 16.



Overall dimensions : 618mm x 252mm | 10 slates per pack: coverage is 0.113m²

Key performance criteria/simplified rules

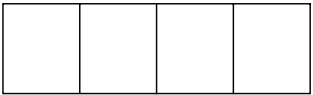
- The product can be designed with window frames to all elevations.
- If bi-folding doors are to be used they MUST be bottom supported NOT top hung.
- The standard soffit projects approx 40mm beyond the external face of the window frame - box eaves beam is approx 380mm front to back depth.
- Pitch range - minimum is 12.5° on lean to and 15° on duo pitch - maximum pitch is 40°.
- Maximum 13° pitch variation (front to side). Georgian roofs only
- Maximum 5.5° Pitch variation over Victorian hips/faceted hipped lean-tos
- System U-Value - with the 172mm Ultrapanel is 0.15W/m²°C (0.12W/m²°C with an additional layer of 60mm PIR insulation board).
- Rectangular glass panels can be integrated to maintain light into any adjacent room. Alternatively, add one of 4 Velux roof windows/sizes.
- Everything is pre-fabricated in our highly efficient factory to ensure rapid one day fit on site.
- On a 4m x 4m Georgian, the system weight is 38kg/M² including plasterboard (12kg/M² polycarbonate roof and 30kg/M² for a glass roof).

4 STAGE SALES AND DESIGN PROCESS
STEP 3 - ROOF CONFIGURATION

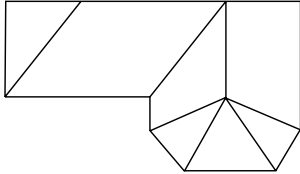
- Current Roof Shapes:**
- Design and pricing available in U-Design

For roof shapes outside this present scope, please contact for advice.

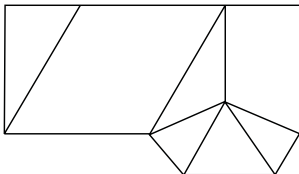
Lean to



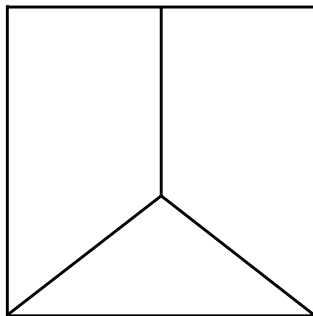
P-Shape (Standard Valley)



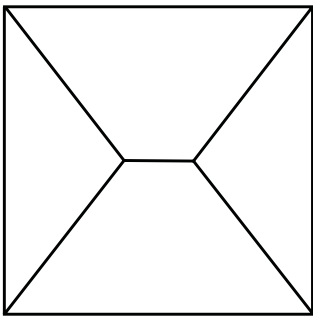
P-Shape (Zero return valley)



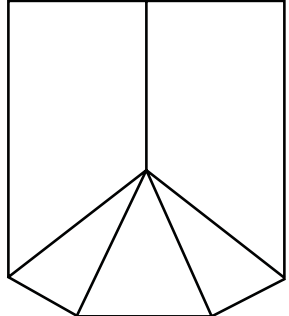
Georgian



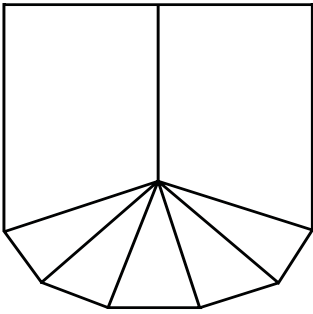
Double Hip Georgian



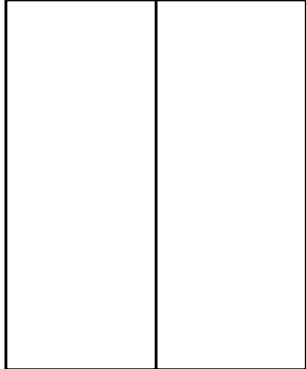
3 Bay Victorian



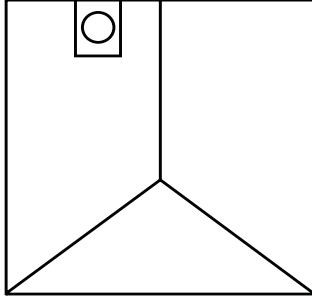
5 Bay Victorian



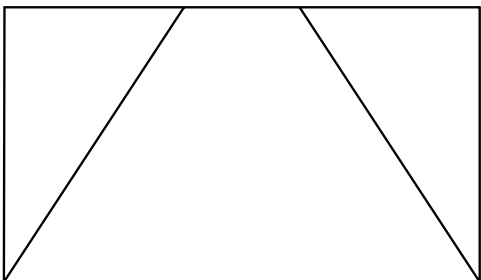
Gable



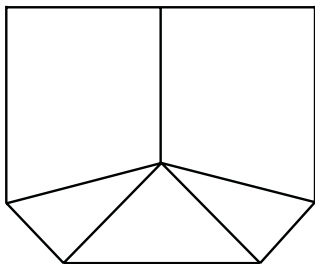
Cut- outs



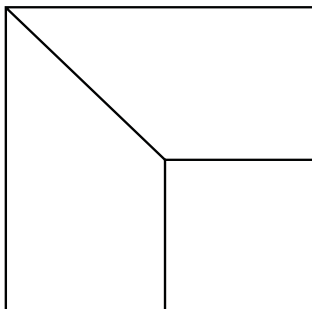
Hipped Lean To



Stretched Front Facet Victorian



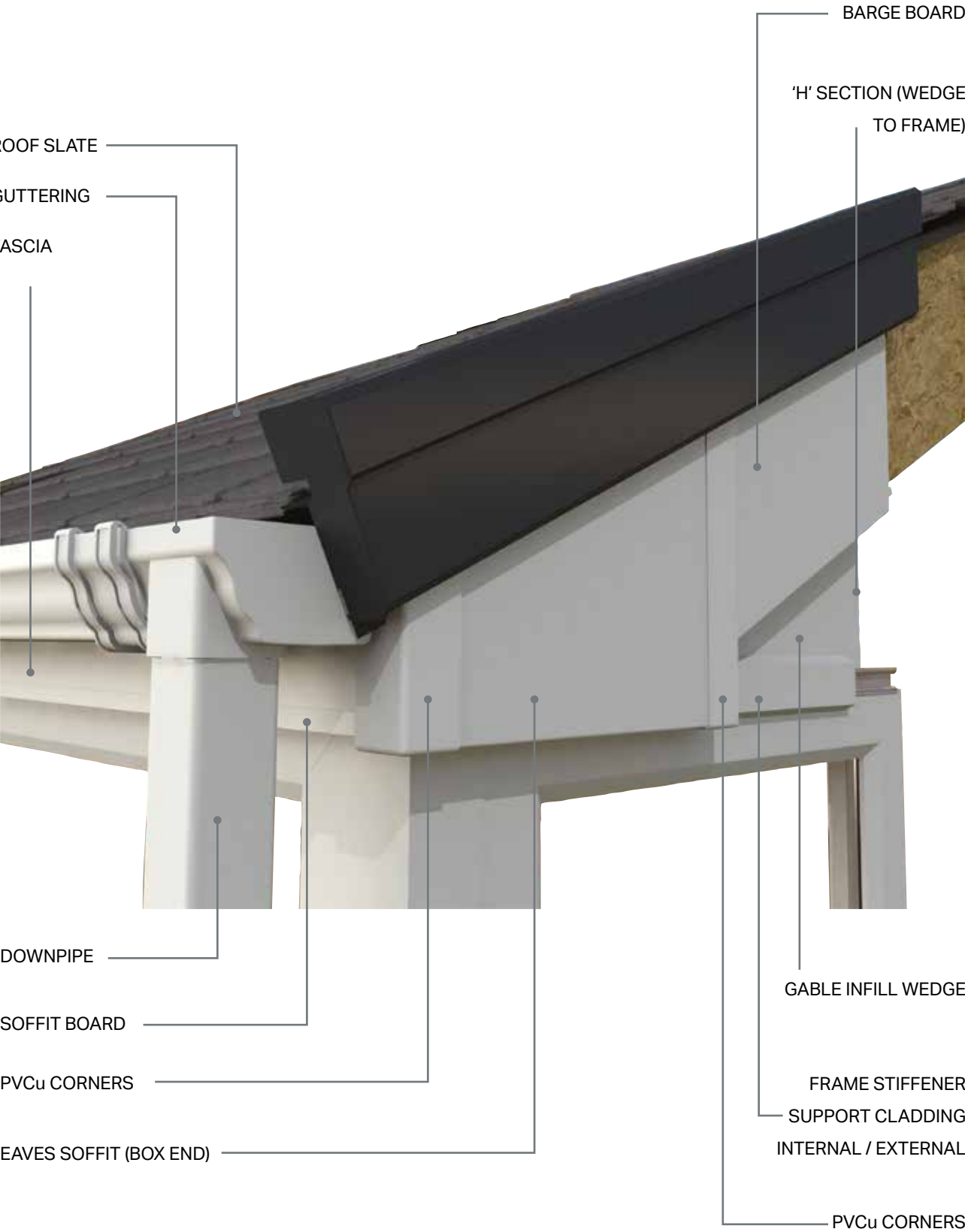
L Shape Wraparound



4 STAGE SALES AND DESIGN PROCESS
STEP 3 - ROOF CONFIGURATION

4 STAGE SALES AND DESIGN PROCESS
STEP 4 - COLOUR

Customers can choose the colour of guttering, fascia/barge board, downpipes, gables support cladding. See page 17 for the colour choices available.



4 STAGE SALES AND DESIGN PROCESS
STEP 4 - FINISHING TOUCHES - COLOUR

	General Parts and Trims					Ultrarof Slate			Metroslate		
	White	Light Oak	Mahogany	Black	Grey RAL7016	Carbon Grey	Brown Umber	Terra Brick Bespoke Colour	Charcoal Grey	Antique Red	Burnt Umber
Roofline Trims/ Guttering	Y	Y	Y	Y	Y	N	N	N	N	N	N
Ultrarof Slate	N	N	N	N	N	Y	Y	Y	N	N	N
Slimline Aluminium Ridge/ Bar Cappings	N	N	N	N	N	Y	Y	Y	N	N	N
Metroslate Products	N	N	N	N	N	N	N	N	Y	Y	Y

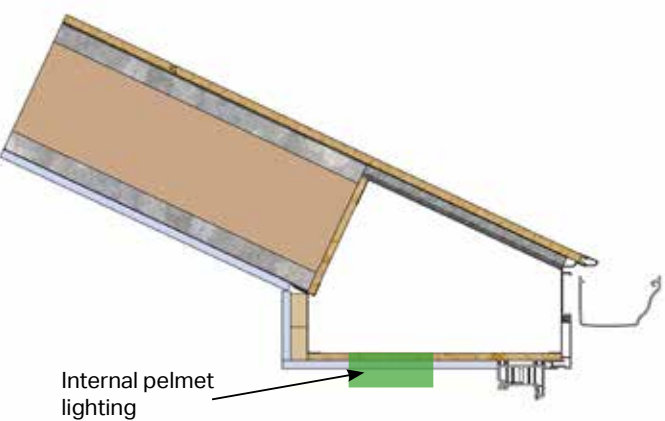
Notes:

- Certain "Brown" coloured or foiled parts are only available in one format. E.g. down pipes are brown solid colour and not foiled, soffit and barge boards are only ever Rosewood.

4 STAGE SALES AND DESIGN PROCESS
STEP 4 - FINISHING TOUCHES - LIGHTING

Standard or extended soffit lighting
Internal lighting can be installed with a standard or extended soffit. Surface mounted lighting can be used externally on the extended soffit. Downlighters must be LED IC (Insulation Contact) fire rated. External lights must be waterproof, low voltage and suitable for external use.

STANDARD SOFFIT



EXTENDED SOFFIT

HANDY CHECKLIST FOR: SURVEYING ULTRAROOF

GENERAL

- ☐ 1. Is planning permission needed?
If yes, who will apply?
- ☐ 2. Is there sufficient access to the proposed building?
Including height and width restrictions for delivery of material, concrete, frames, glass & welded cills etc?
- ☐ 3. Will construction involve crossing any public or neighbours path, garden, wall or hedge?
- ☐ 4. Will you need a skip on site?
- ☐ 5. Are there plants, bushes, trees, sheds, fish-ponds in the way?
- ☐ 6. Are there any other visible obstructions on the ground?
- ☐ 7. Is the house wall sufficiently out of plumb to require any allowance in the design of the roof? See page 27.
- ☐ 8. Are there any signs of settlement or hairline cracks in the house wall - have these been pointed out to the customer?
- ☐ 9. Is there a soil vent pipe, RWP, extractor fan or gas flue in the way of the proposed roof?
- ☐ 10. Are there any existing window or door openings to be moved, altered or bricked up?
- ☐ 11. New openings to existing property will require new lintels which will require building regulation approval. See page 22 - building regulations.
Fitting Ultraroom does not guarantee the removal of seperating doors.
- ☐ 12. Are there any existing window or door openings to be included within the newly proposed extension?
- ☐ 13. Is there a height restriction above the proposed roof ie. a bedroom window?
- ☐ 14. Ensure there is enough room above the ridge to lead flash?
- ☐ 15. If installing to a bungalow fascia, lift the front row of slates, check that the roofing felt over the projecting eaves is in good condition or it will need to be replaced.
- ☐ 16. Will the new extension roof fit below the bungalow soffit board?
- ☐ 17. Will the new extension roof fit to the bungalow fascia board?
- ☐ 18. Ensure the fascia is deep enough and in good enough condition?
- ☐ 19. When installing a roof to the fascia is there enough room to re-fit the existing gutter?
- ☐ 20. Will the Ultraroom overhang a boundary wall? With a standard soffit Ultraroom is 90mm wider than a standard conservatory roof on both sides and 202mm wider when the extended soffit is used.
- ☐ 21. Has the right box gutter been specified? Refer to page 9.
- ☐ 22. Will the box beam need any structural support? Any unsupported box beam over 4m needs structural support (Gallows, brick piers, timber stud work). Refer to pages 43-54.
- ☐ 23. Will an extended soffit be needed? (e.g. with Super-insulated or brickwork columns)
- ☐ 24. Is there enough space on the house wall to allow for the box beam. It should not cut across openings on the host wall.

Always consult us, if there is something you are uncertain about, please call technical helpline on 01200 452 918.

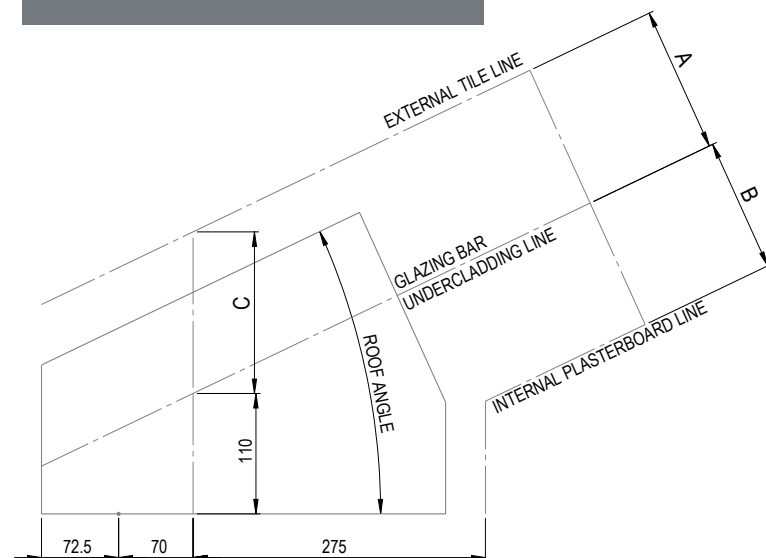
HANDY CHECKLIST FOR: SURVEYING ULTRAROOF

REPLACEMENT

- ☐ 1. Are there any "hairline cracks" within the existing base and walls to establish whether the existing structure is sound.
- ☐ 2. Are the existing window frames in good condition or is there for example evidence of cracking welds within the frames.
- ☐ 3. What are the internal and external frame sizes and relevant apertures?
These must all be measured to ensure the desired overhang is achieved.
- ☐ 4. Will existing cavity trays and flashing need to be moved? Ultraroom sits higher on the slope. (27.5mm higher with a standard soffit and 79.5mm higher with an extended soffit.*)
Com

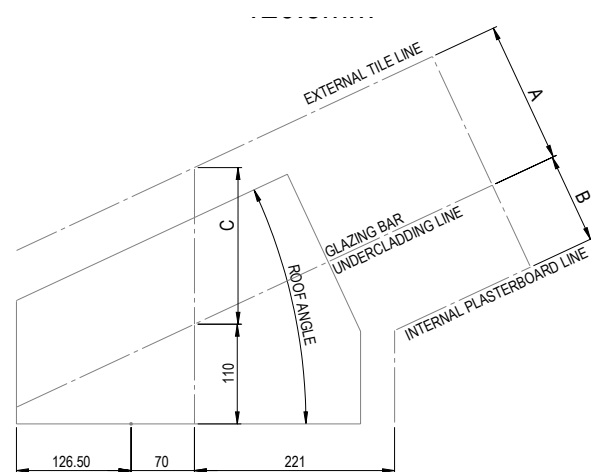
ROOF HEIGHT CALCULATOR

72.5mm Soffit



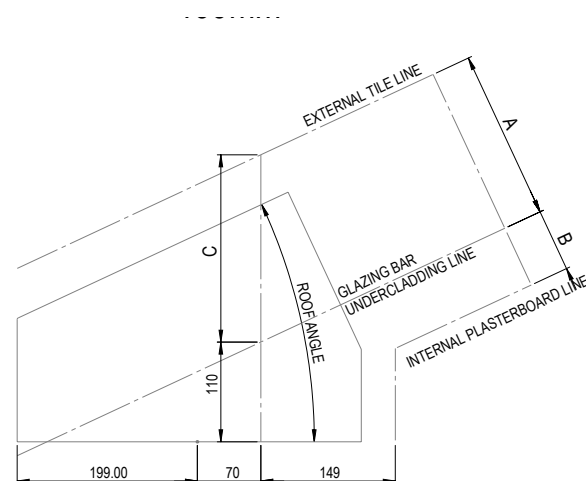
For 72.5mm, 126.5mm and 199mm soffit options, sizes based on 15mm foiled back plasterboard. However 12.5mm plasterboard is available to use however the heights will differ slightly.

126.5mm Soffit



SMALL	A	B	C
12.5	118	138	121
15	126	130	131
20	142	115	151
25	157	100	173
30	171	86	197
35	184	73	225
40	196	60	256

199mm Soffit



EXTENDED	A	B	C
12.5	134	122	137
15	145	111	150
20	167	90	177
25	187	69	207
30	207	49	239
35	226	31	275
40	243	14	317

SPECIFIERS

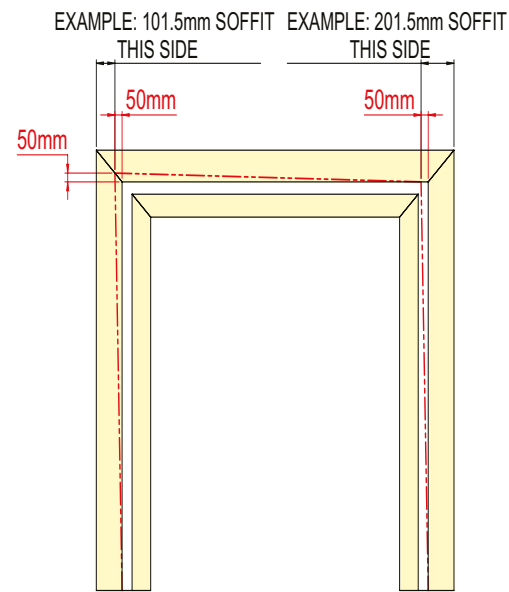
– USEFUL POINTS TO REMEMBER WHEN ORDERING ULTRAROOF

1. A Building Regulation application form must always be submitted to the relevant Local Authority or private sector building control.
2. Postcodes should always be included with your order

OUT OF SQUARE - WINDOW FRAMES/MASONRY SUPPORTS

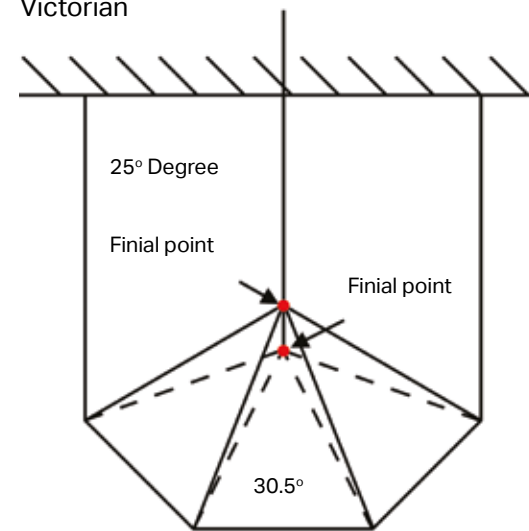
Out of square roofs must be specified with extended soffits only. The external soffit will vary in width. This must be agreed with the customer.

Below shows the example of frames out of square by 50mm (i.e. visual difference in soffit width of 100mm). The internal pelmet width will also vary.



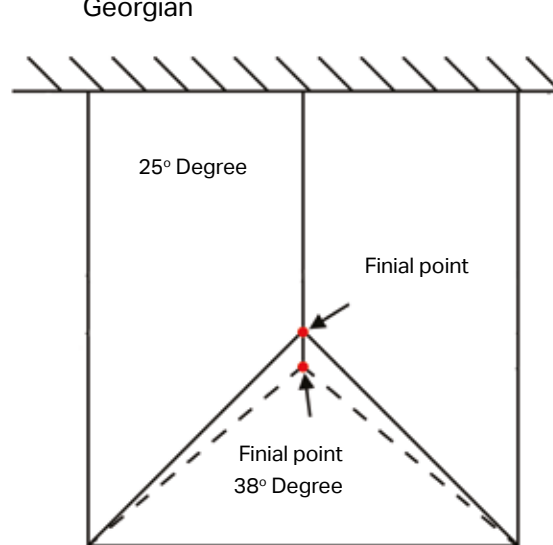
Maximum 5.5° Pitch Variation

Victorian

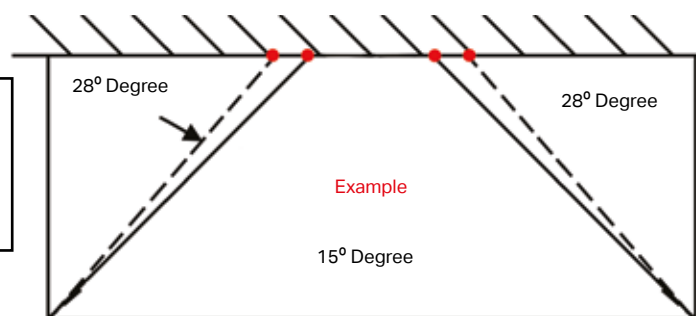


Maximum 13° Pitch Variation

Georgian



Hipped lean-to

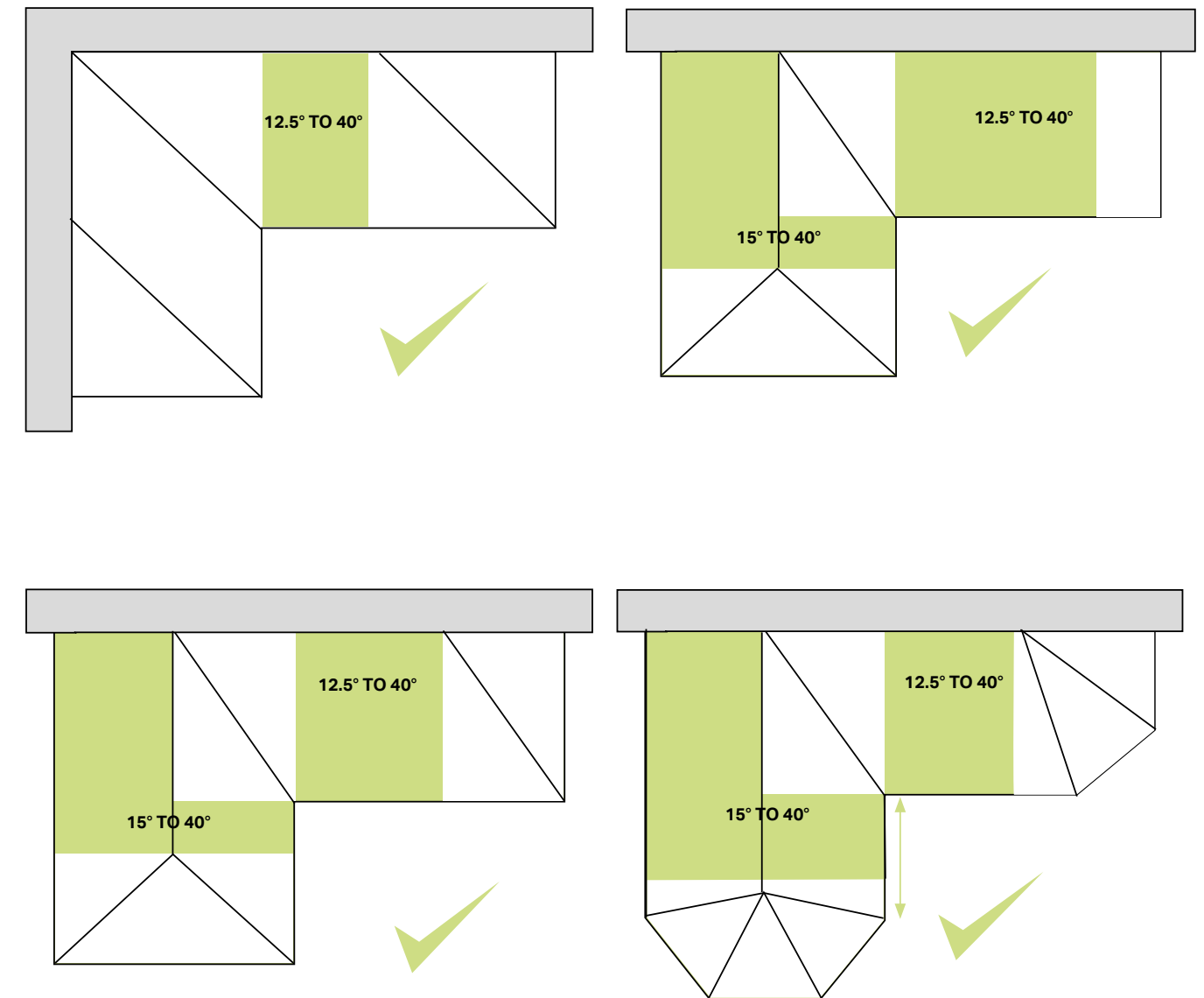


EXTENDING THE RIDGE
MAXIMISES GLAZING
ALLOWANCE

VALLEY SHAPE SCOPE

For roofs incorporating valley gutters the standard pitch rules apply.

GLAZING PANELS PERMITTED GLAZING NOT PERMITTED WALL



www.ultraframetrade.co.uk

Ultraframe
Transforming light and space

Job No: 3359 025/26 V15 NRSG001 Ultraroom process
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