

Slate tiles on 25x50 tanalised battens at suitable guage, over breathable membrane to BS 5534:2014 (IKO Rubershield or similar), over rafters to Structural Engineer's specification. 130mm Kingspan K7 roof insulation fitted tightly between rafters forming min 50mm ventilation void.

Install proprietary eaves tray and ridge ventilation products to ensure continuous 25mm eaves ventilation and min 5mm ridge level ventilation as required in Part F.

Install new powder coated metal-framed windows. All glazing below 1500mm to be break safe, in accordance to Part K.

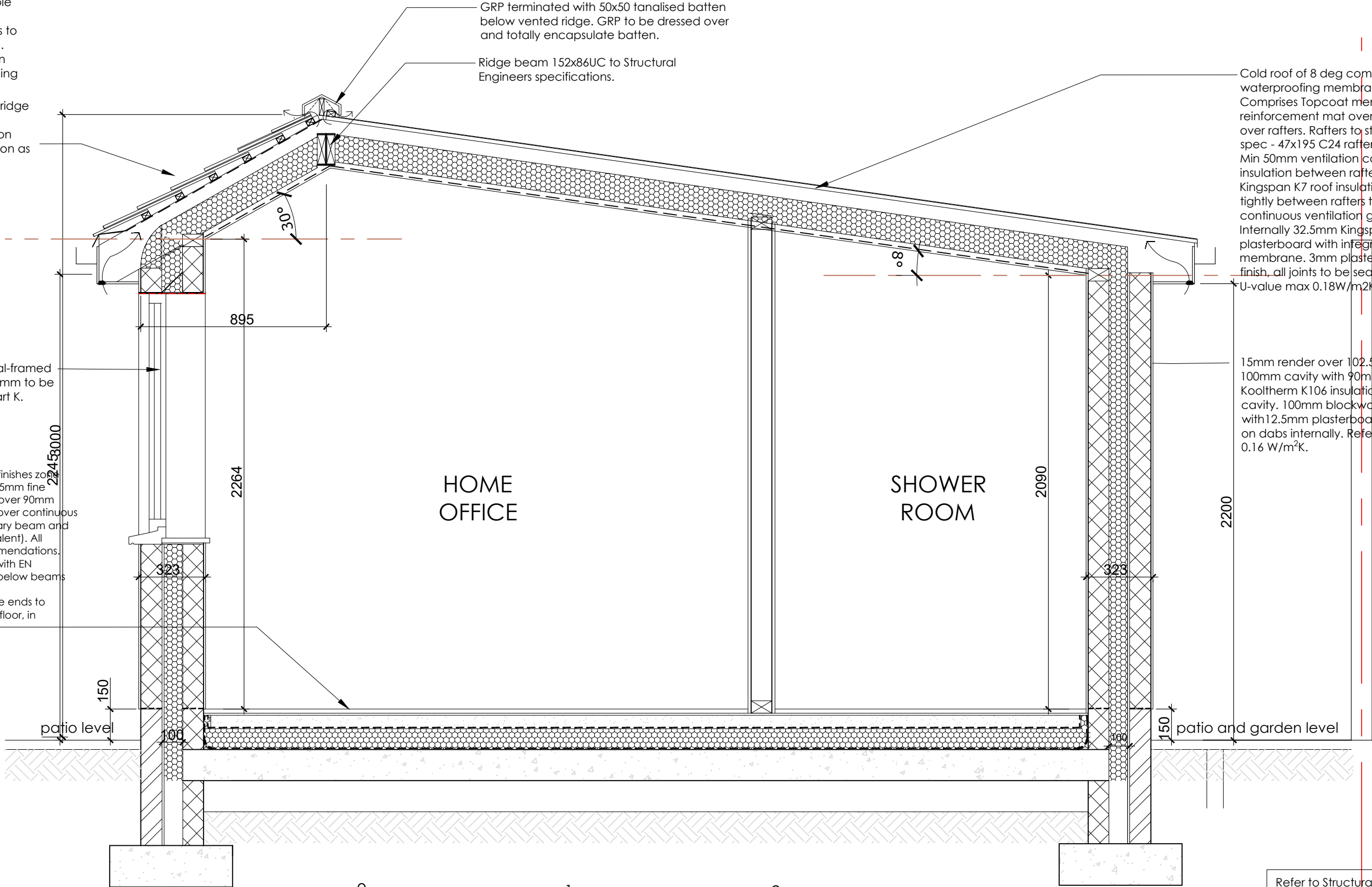
New beam and block floors: 30mm finishes zone over de-coupling membrane over 65mm fine screed over separating membrane over 90mm Kingspan Kooltherm K103 insulation over continuous DPM min 1200 guage, over proprietary beam and block floor system (Celcon or equivalent). All installed with manufacturer's recommendations. Beam and block system to comply with EN 771-3:2011. 150mm ventilation void below beams with concrete over-site. Provide telescopic ducts on opposite ends to provide ventilation to void beneath floor, in accordance with Part F.

GRP terminated with 50x50 tanalised batten below vented ridge. GRP to be dressed over and totally encapsulate batten.

Ridge beam 152x86UC to Structural Engineers specifications.

Cold roof of 8 deg comprising Topseal GRP waterproofing membrane system. Comprises Topcoat membrane and reinforcement mat over 18mm OSB3 deck over rafters. Rafters to structural engineers spec - 47x195 C24 rafters at 400 centres. Min 50mm ventilation cavity formed above insulation between rafters. 130mm Kingspan K7 roof insulation board fitted tightly between rafters to ensure continuous ventilation gap above. Internally 32.5mm Kingspan K118 insulated plasterboard with integral vapour barrier membrane. 3mm plaster skim and painted finish, all joints to be sealed for air tightness. U-value max 0.18W/m<sup>2</sup>K

15mm render over 102.5mm brickwork. 100mm cavity with 90mm Kingspan Kooltherm K106 insulation and 10mm residual cavity. 100mm blockwork inner leaf with 12.5mm plasterboard with plaster skim on dabs internally. Refer to spec. U-Value 0.16 W/m<sup>2</sup>K.



1 PROPOSED SECTION  
SCALE 1:20

Refer to Structural Engineer's designs and details for all structural elements.

All electrical works to be undertaken by an electrician registered with the Competent Persons Scheme. Electrical works to comply with BS7671

NOTES:  
Do not scale from the drawings, all dimensions to be checked on site. Work to be carried out in accordance with Bye-Laws and local authority Regulations.  
This drawing may incorporate information from other professionals. We cannot accept responsibility for the integrity and accuracy of such information.  
Drawings, specifications and schedules are to be read in conjunction with all relevant architects and consultants drawings and specifications.  
No responsibility can be accepted for estimates of work or orders placed for materials based on the drawings while still being considered by the local authority pending amendments and works should not commence until such approval is granted.  
All works adjacent to the boundary or party walls within 3m distance must not be started without the neighbours having advanced notification and consents under the Party Wall Act 1996. Foundations must not encroach on the boundary.

D Scale annotation corrected 17/09/2021

| REVISIONS |                                                             |            |
|-----------|-------------------------------------------------------------|------------|
| A         | Floor construction revised to beam and block.               | 24/06/2021 |
| B         | Roof construction revised & updated notes                   | 18/08/2021 |
| C         | Slates & GRP reinstated. Vented ridge and GRP batten added. | 24/08/2021 |

| STATUS        |            | PROJECT                |     |
|---------------|------------|------------------------|-----|
| BUILDING REGS |            | WHITE OAKS LONDON ROAD |     |
|               |            | TITLE                  |     |
|               |            | PROPOSED SECTION       |     |
| SCALE         | DATE       | DRAWING NUMBER         | REV |
| 1:50          | 2021.04.08 | 606                    | D   |

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