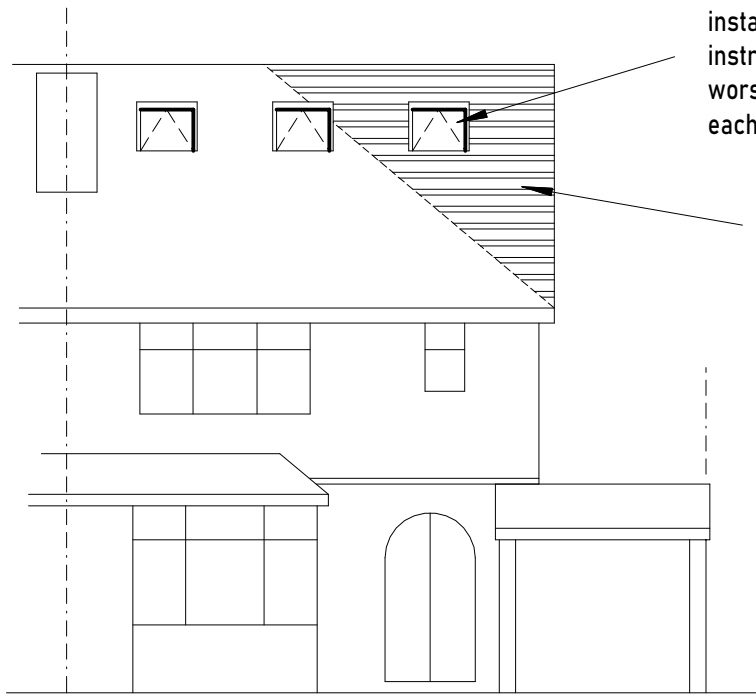


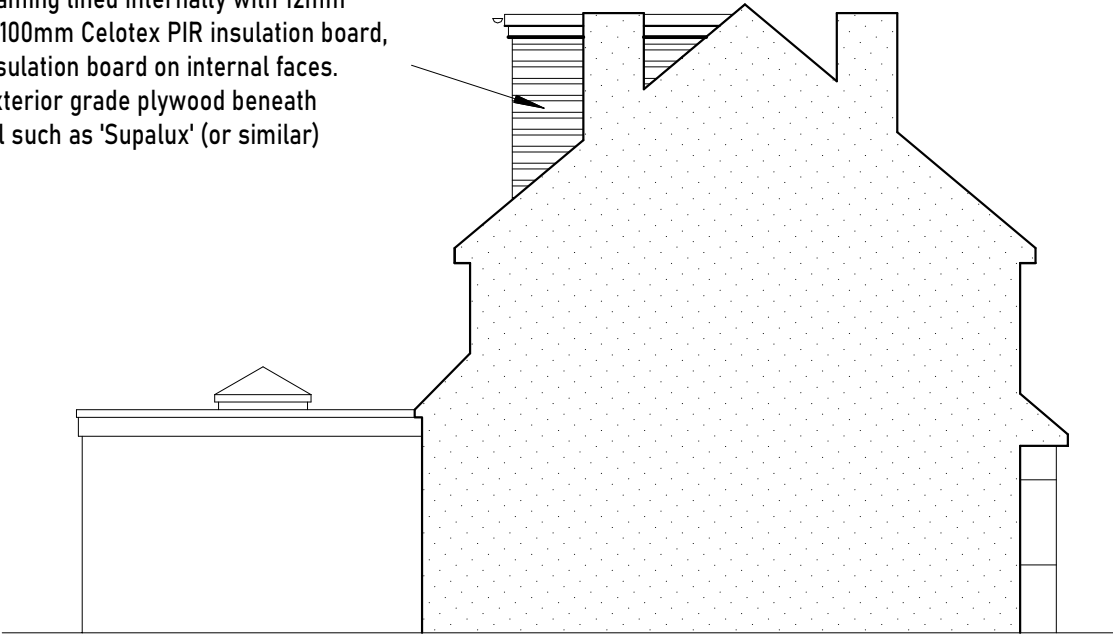


FRONT

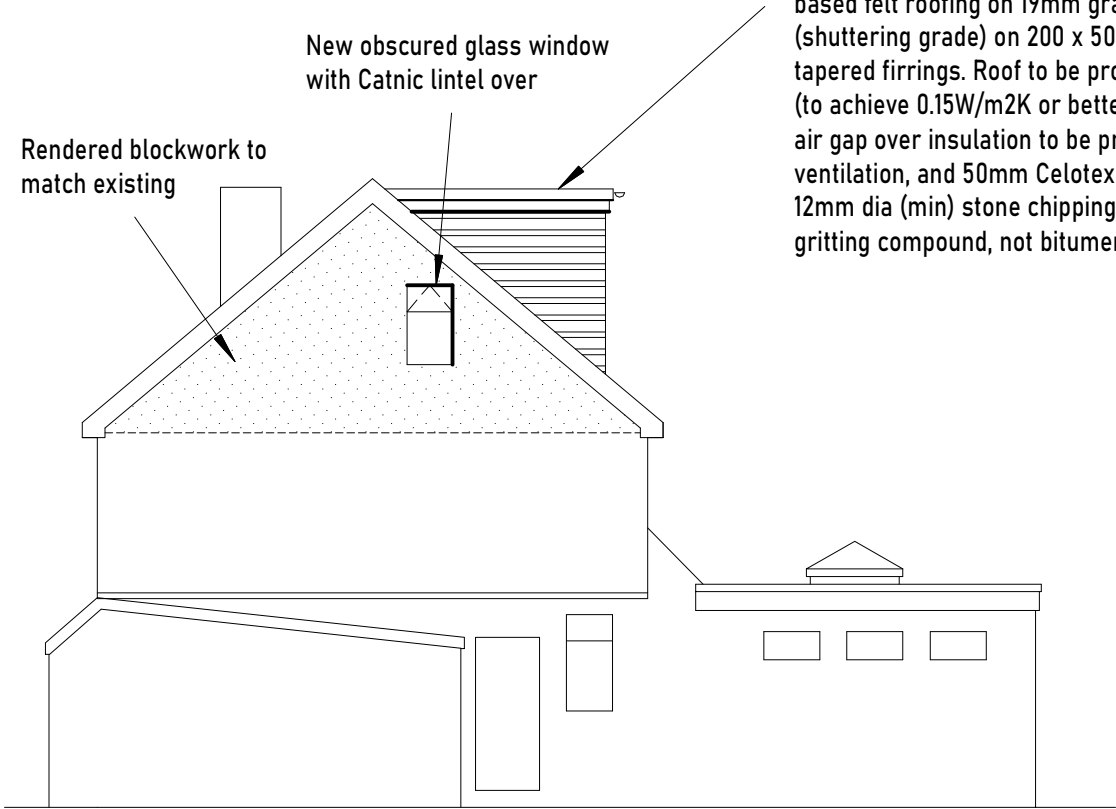
MK04 Velux windows (780x980mm) to be installed in accordance with manufacturer's instructions and should achieve a U-value no worse than 2.2 W/m2K. Double rafters bolted each side of structural opening.

Tiles to match existing house colour on battens and breathable felt (e.g. Klober Permo Air open underlay roofing breather felt - or similar). Roof tiles selected must be suitable for roof pitch.

Dormer cheeks to be constructed of hanging tiles to match roof colour on battens and felt on 47 x 140mm (C24) framing lined internally with 12mm foil backed plasterboard and filled with 100mm Celotex PIR insulation board, with an additional 50mm Celotex PIR insulation board on internal faces. Dormer cheek to be faced with 19mm exterior grade plywood beneath finishings with noncombustible material such as 'Supalux' (or similar) to provide 30 minute fire resistance.



SIDE

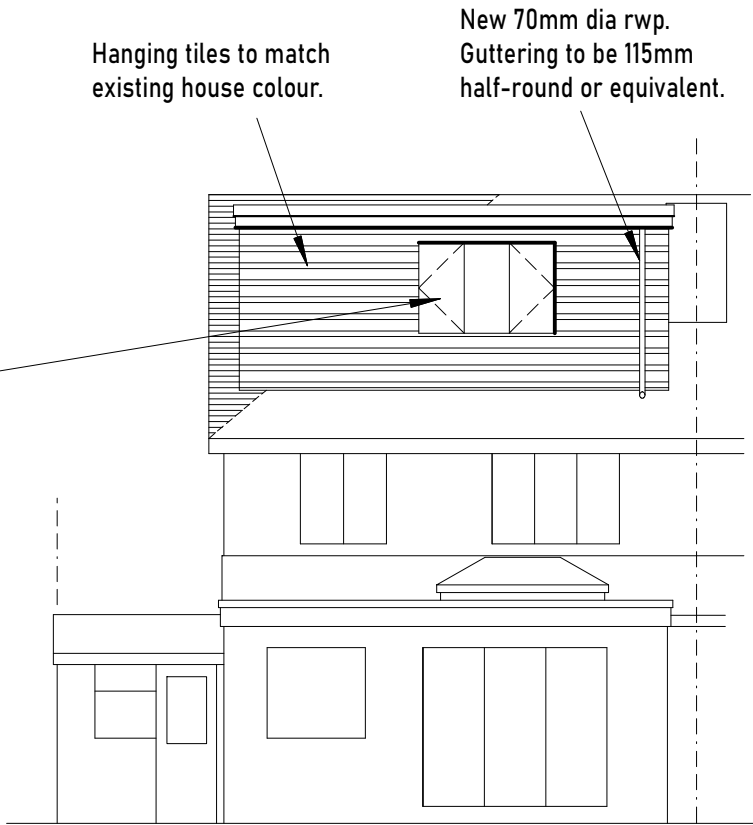


SIDE

Flat roof (cold Roof) construction to be GRP, rubber, zinc or bitumenous based felt roofing on 19mm grade 3 moisture resistant plywood (shuttering grade) on 200 x 50mm (C24) joists at 400mm centres with tapered firrings. Roof to be provided with 120mm Celotex insulation board (to achieve 0.15W/m2K or better) and vapour control layer. 50mm clear air gap over insulation to be provided to maintain effective cross flow ventilation, and 50mm Celotex insulation across underside. 12mm dia (min) stone chippings to be bonded to the waterproofing in a gritting compound, not bitumen.

All windows and glazed doors to be wood, aluminium or PVC-U frames to match existing and be double-glazed with PILKINGTON 'K' glass with 16mm minimum gap (argon filled) to provide U value of 1.4W/m2K and be Band B (minimum), and comply with BS 6206. All habitable rooms to have 8000mm2 Equivalent Area ventilation (4000 sq mm for non-habitable rooms) with trickle vent and have a clear opening casement of 750 x 450mm (0.33m2 min) with the sill positioned between 800-1100mm above finished floor level. Ventilation openings to be reasonably secure, adjustable, and located 1750mm (typically) above floor level. Window & door frames to be sealed with mastic internally and externally.

Any glazing lower than 800mm above finished floor level to be toughened safety glass. All glazing in door panels to be toughened safety glass. All glazing within 300mm of a door to be toughened safety glass to a height of 1500mm above ground level. If the area of glazing within 1m from any boundary exceeds 1m2, windows must be fixed shut and half-hour fire resistant glass and frames must be provided.



REAR



	STEPHEN BIDDLE BSc CEng FICE Email: stephen@sbiddle.co.uk Mob: 07864 122 313 Web: www.sbiddle.co.uk		
	Title:	PROPOSED ELEVATIONS	Scale: (A3) 1:100
	Drwg No:	BROWN-0524-06	Rev: