

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.

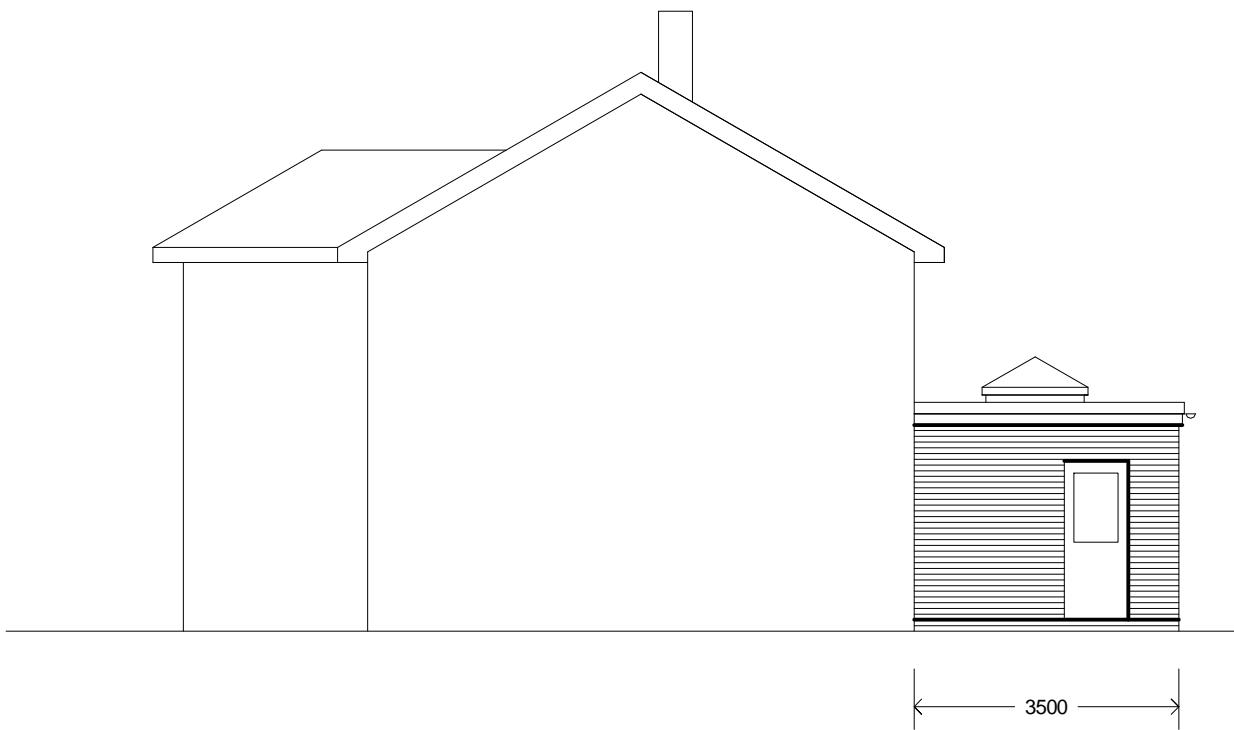
New windows within 1m of the boundary to have fire-rated glass and surrounds. All glazing in windows to be fixed (non-opening).

Roof Lanterns to be installed in accordance with manufacturer's instructions and should achieve a U-value no worse than 2.2 W/m²K and a U-value of 0.35 for the upstands. Triple joists bolted each side of structural opening (unless shown otherwise).

Flat roof (warm roof) construction to have a Broof(t4) membrane (e.g. 1.2mm EPDM membrane or similar) on 200mm Celotex PIR insulation board (to achieve 0.15W/m²K or better) on vapour control layer on 200 x 50mm C24 joists at 400mm centres with tapered firrings and a 19mm exterior grade plywood deck with mushroom vents as required.

New 70mm dia rwp's to soakaway 5m (min) from building. If required, new soakaways to be 1 cubic metre (min) filled with brick hardcore only, taken down to a previous sub-strata and capped with concrete. Guttering to be 115mm half-round or equivalent.

Smoke detectors/alarms (SD) to be provided to the Hall/Landings on each level as per the requirements of BS 5839 with a heat detector in the Kitchen (HD). These should be located within 7.5m of doors serving habitable rooms. The detectors are to be mains operated with a secondary power supply, such as batteries, and linked so that the detection of smoke by one unit operates the alarm signal in all of them.



	S BIDDLE Ltd	Stephen Biddle BSc CEng FICE
		Email: stephen@sbiddle.co.uk
		Mob: 07864 122 313
		Web: www.sbiddle.co.uk
Client	Mr & Mrs A. Cox	
Address	68 Western Avenue, Woodley, Reading RG5 3BH	
Drwg No	COX-1124-02	Scale: 1:100
Title	PROPOSED ELEVATIONS	(A2)
	2m	4m
	6m	8m