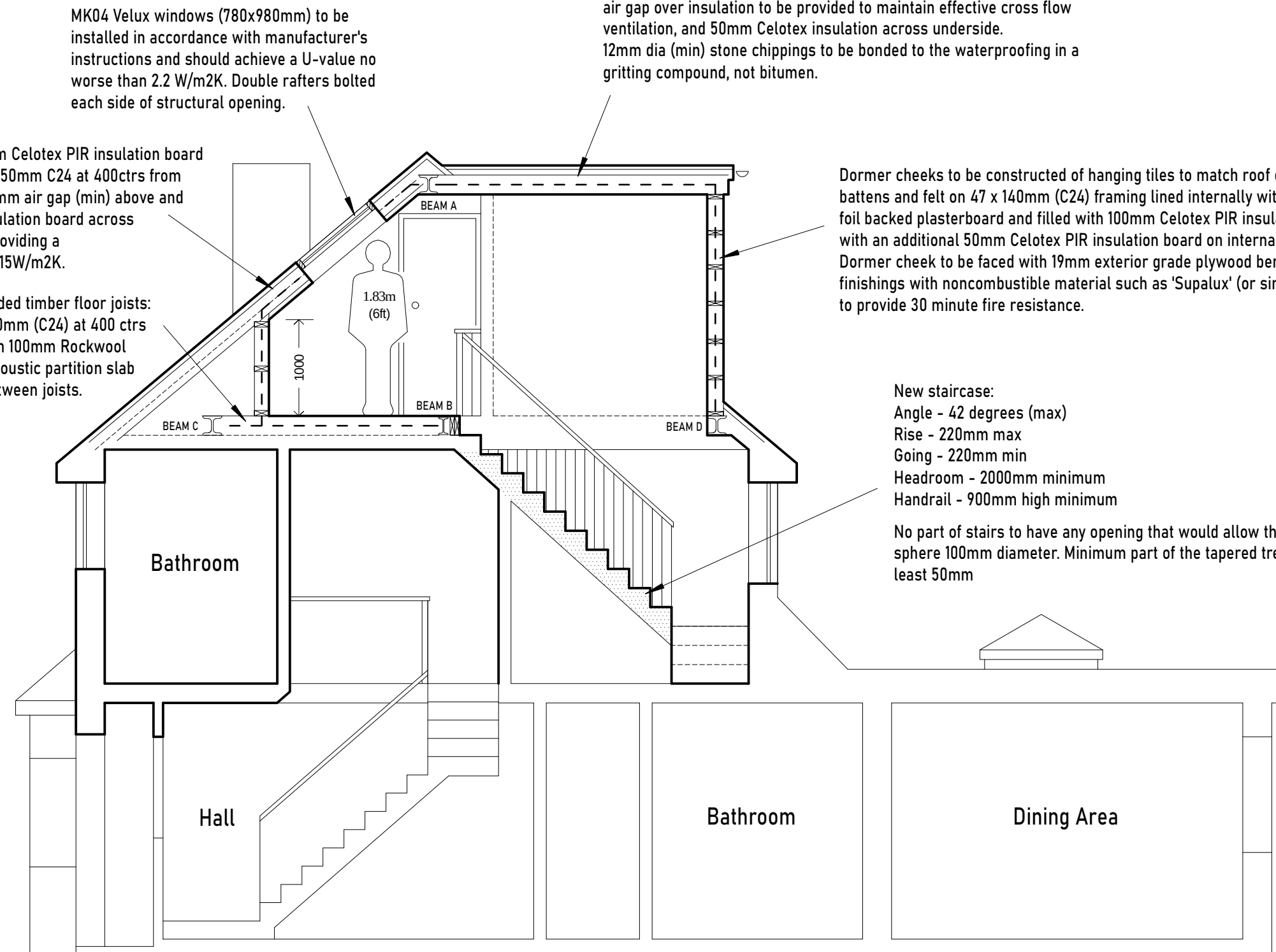




MK04 Velux windows (780x980mm) to be installed in accordance with manufacturer's instructions and should achieve a U-value no worse than 2.2 W/m2K. Double rafters bolted each side of structural opening.

Vaulted ceilings, 120mm Celotex PIR insulation board between rafters (175 x 50mm C24 at 400ctrs from ridge to plate) with 50mm air gap (min) above and 50mm Celotex PIR insulation board across underside of rafters providing a minimum U-value of 0.15W/m2K.

Suspended timber floor joists: 200 x 50mm (C24) at 400 ctrs with min 100mm Rockwool Flexi Acoustic partition slab infill between joists.

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.

New staircase:
Angle - 42 degrees (max)
Rise - 220mm max
Going - 220mm min
Headroom - 2000mm minimum
Handrail - 900mm high minimum

No part of stairs to have any opening that would allow the passage of a sphere 100mm diameter. Minimum part of the tapered tread will be at least 50mm

All beams to have 150mm (min) end bearings on C30 concrete padstones, painted with 2 coats of red oxide and covered with 12.5mm GYPROC FIRELINE plasterboard to achieve 30 minutes fire resistance, using batten fixings where necessary. Contractor to provide all lifting equipment, temporary support and Personal Protective Equipment for all people impacted by the installation of heavy steel beams, particularly when working at height.

All ceilings to be 12mm foil backed plasterboard.

All lintels over external openings to be insulated to prevent cold bridging.

Lintels to be heaviest manufactured gauge (i.e. extra heavy duty) unless shown otherwise.

Bolted triple joists for trimmers, and under studding.

All structural timber to be C24.

Code 4 lead flashings to be used throughout.

Floor joists with spans in excess of 2.5m to have solid or herringbone strutting.

Cavity trays at all abutments.

Cavity infill to finish at least 225mm below the level of the lowest dpc.

No development to overhang the boundary (incl. foundations).

	STEPHEN BIDDLE BSc CEng FICE Email: stephen@sbiddle.co.uk Mob: 07864 122 313 Web: www.sbiddle.co.uk		
	Title:	PROPOSED SECTION A-A	Scale: (A3) 1:50
	Drwg No:	BROWN-0524-07	Rev:

