ROOF
Interlocking concrete pan tiles to match existing on 38*25 treated battens & Roofshield breathable felt installed to manufacturers inst. on 100*50 rafters at 400 c/cs, 225*75 C24 purlins with 125*50 C24 ceiling joists at 400 c/cs & 225*75 C24 binders. 150 fibreglass between joists & 150 over. 12.5 plasterboard & skim. Alternative roof construction truss rafters to BS 5268 pt.3 at 600 c/cs with 50*25 treated battens & 100*25 bracing twice nailed. Photovoltaic roof panels to rear elevation. Code 4 lead flashing with cavity tray at roof/wall abutment.

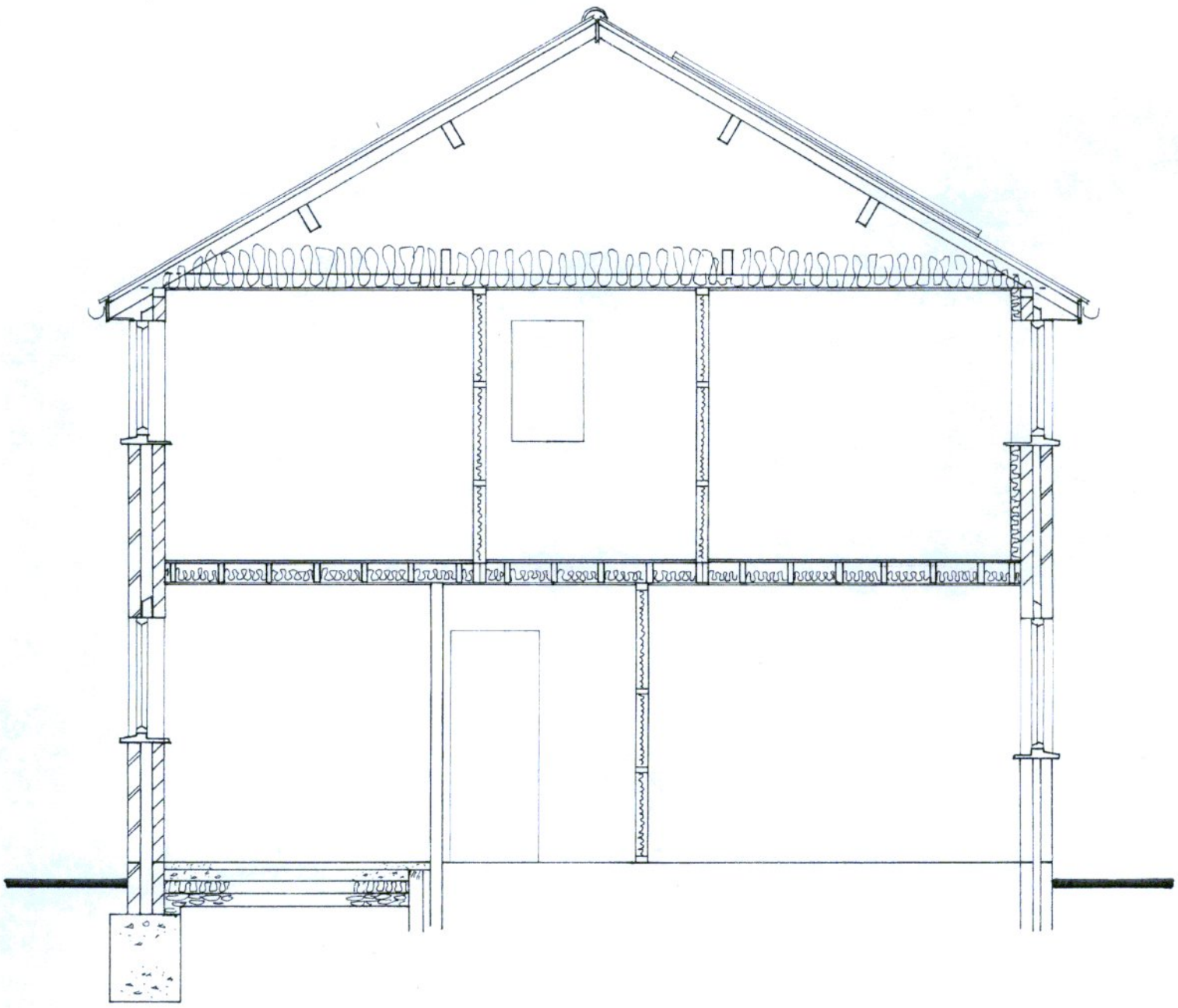
WALLS
102 facing brick to match existing to all new external walls, study & new front bedroom 100 cavity with Celotex CF5097, 100 Durox Supabloc, 12.5 plasterboard on dabs. 7N. blocks below ground. D.p.c. min. 150 above ground. Rear bedroom & shower room at first floor with cavity to match existing below (assumed 50) infilled with Dritherm 32, 100 Durox Supabloc, Celotex PL4065 with taped joints & skim. Stainless steel wall ties 225 long at 750 horiz. 450 vert. & 225 to openings. Catnic CG90/100, CG50/100, CGE90/100 & CGE50/100 lintels to external openings. 140 deep prestressed conc. to internal openings. Walls tied to existing with Furfix profiles & vert. d.p.c. Thermabate cavity closers to openings. Partitions 75*50 studs with 12.5 plasterboard & skim & infill of 25 Isover 1200 APR acoustic quilt. Rafters, ceiling & floor joists strapped to walls at 2000 c/cs with 30*5 galv. m.s. straps & noggins. Wall plates strapped with 30*2.5 galv. m.s. straps at 2000 c/cs.

FIRST FLOOR
22 moisture resistant t.& g. chipboard on 150*50 C24 joists at 400 c/cs, 100 Rockwool between joists, 15 plasterboard & skim. Double joists below partitions. Joists supported off hangers & 150*50 timber plate bolted to existing wall with 12 dia. bolts at 600 c/cs. Finished floor level to match existing. Strutting to mid span of joists.

GROUND FLOOR
50 screed on 100 oversite conc. with A142 mesh over drains, on polythene vapour control layer, on Celotex GA4100, on 1200g. d.p.m. lapped into d.p.c. on min. 100 blinded & compacted hardcore.

FOUNDATIONS
600 wide trench fill min. 1000 deep or to rock & all to L.A. approval. Lintels over drains

WINDOWS & VENTILATION
Double glazed white u.p.v.c. with U value min. 1.4. 8000 trickle vents. Openable window area min. 1/20th. of floor area. Safety glazing to doors & openings within 800 of floor. Means of escape openings min. 750 high & 500 wide to new bedrooms & ground floor study. Obscure glazing to first floor shower room. 15 litre/sec extract fan to first floor shower room, continuous running fan to ground floor shower room. New ensuite off existing bedroom fitted with 15 litre/sec extract fan & obscure glazing to window.



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