

proposed side elevation

proposed rear elevation

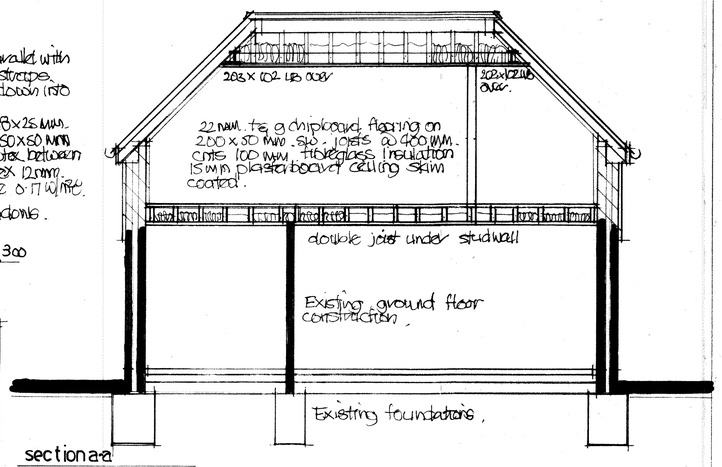
proposed side elevation

flat roof – 3 layer flat roof on 19mm. plywood decking on firrings to falls 175x50mm sw. joists @ 400 mm cnts, 300 mm. fibreglass insulation 12 mm plasterboard skim coated max 'u' value 0·17 W/m²C.

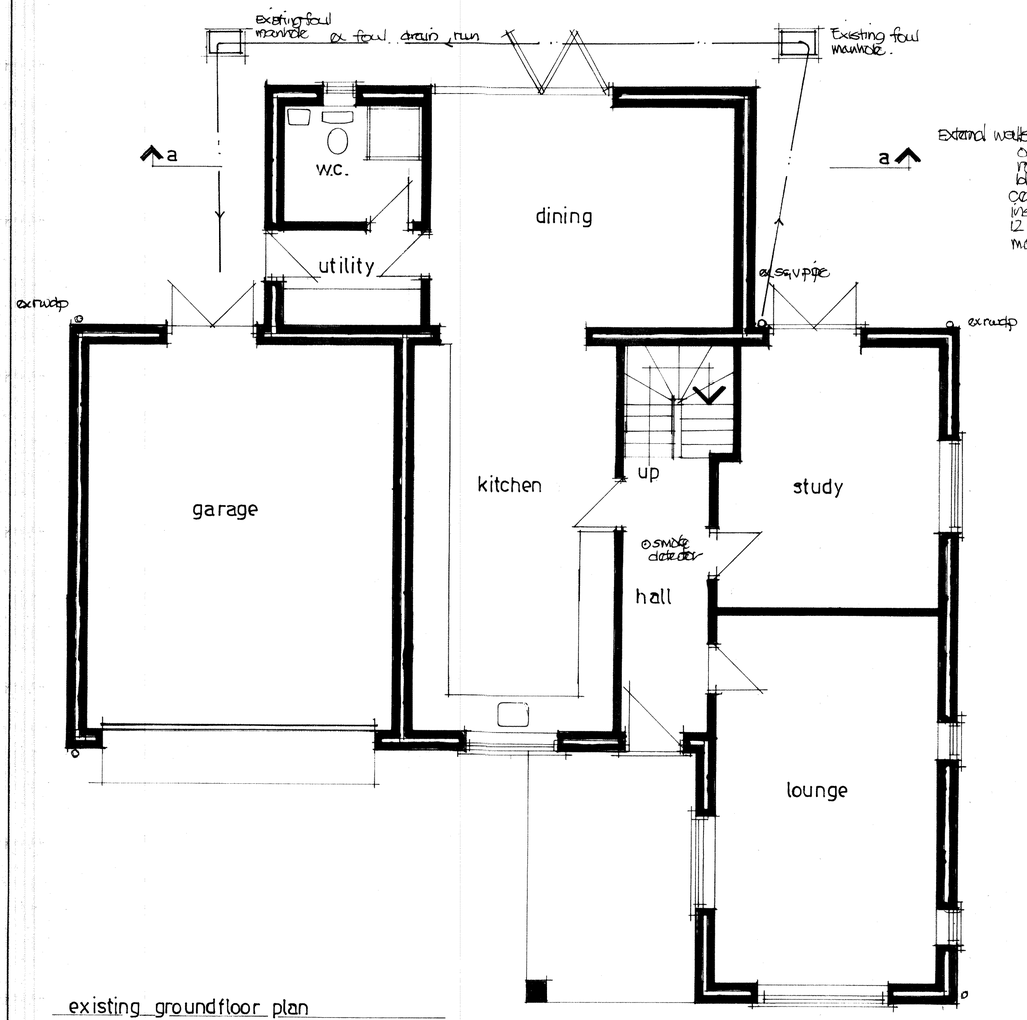
Lateral restraint – Where joists & rafters run parallel with external walls lateral restraint straps. covering min 3 m joists turned down into cavity.

Roof – plain tile hanging to match existing on 38x25 mm. sw battens on breathable roofing felt, 150x50 mm sw. rafters @ 400 mm cnts, 100 mm. celotex between rafters over boarded with 40 mm. celotex 12 mm. plasterboard skim coated max 'u' value 0·17 W/m²C.

double rafters to dormer/velux windows.

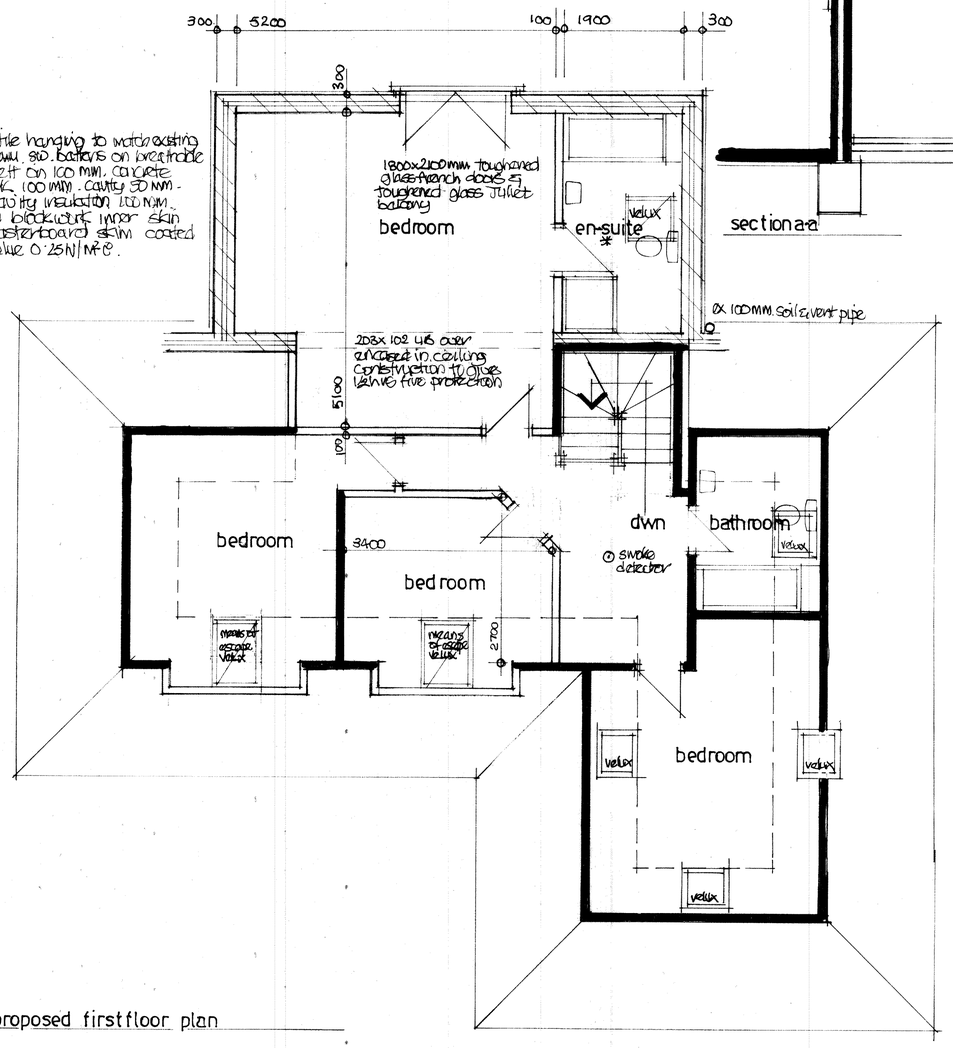


section a-a



existing groundfloor plan

External walls – plain tile hanging to match existing on 38x25 mm. sw. battens on breathable roofing felt on 100 mm. concrete blockwork. 100 mm. cavity 50 mm. celotex cavity insulation 100 mm. insulation blockwork inner skin 12 mm plasterboard skim coated max 'u' value 0·25 W/m²C.



proposed firstfloor plan

Electrical – All electrical work to be designed installed and tested by a competent person, certificate of compliance produced on completion. All sockets & switches sited between 450 & 1200 mm. of finished floor level. All new light fittings low energy type.

* Mechanical Extraction – ceiling fan to ensuite min extraction rate. 15 litres/sec linked to light switch with 15 min. overrun.

⊙ smoke detectors – All smoke detectors mains operated with battery back up all units interconnected.

Boiler – Existing boiler to be used for hot water & space. heating needs seperate zone controls thermostatic radiator valves.

Bathroom – 50 mm. dia pvc waste, to bath & shower 38 mm dia pvc waste to handbasin all with 75 mm deep seal traps to discharge into existing soil & vent pipe to BS 8304.

stormwater drainage – guttering to discharge into existing rainwater downpipes.

UPVC doors – double glazed french doors catric cougar lintol over insulated dpc to jambs trickle vent to head equal to 8000 mm². toughened glass max 'u' value 1·2 W/m²C.

Drawing Title	Proposed firstfloor rear extension at n°5 Thorold Road Chandlers Ford Hants.
Scale	1:50 1:100
Date	November 15
Drawn by	David Windsor
Drawing n°	T.R.001.
Rev	