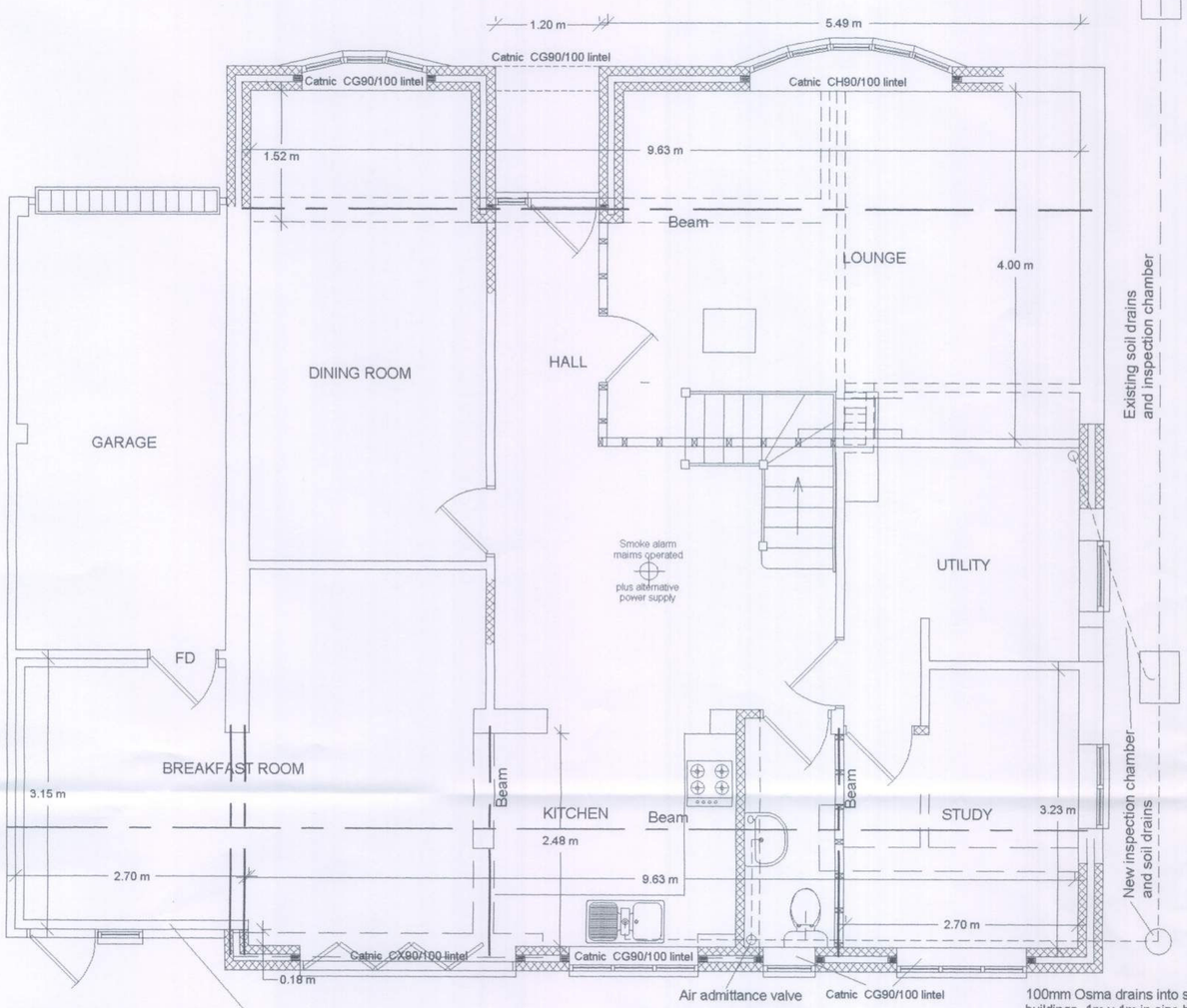
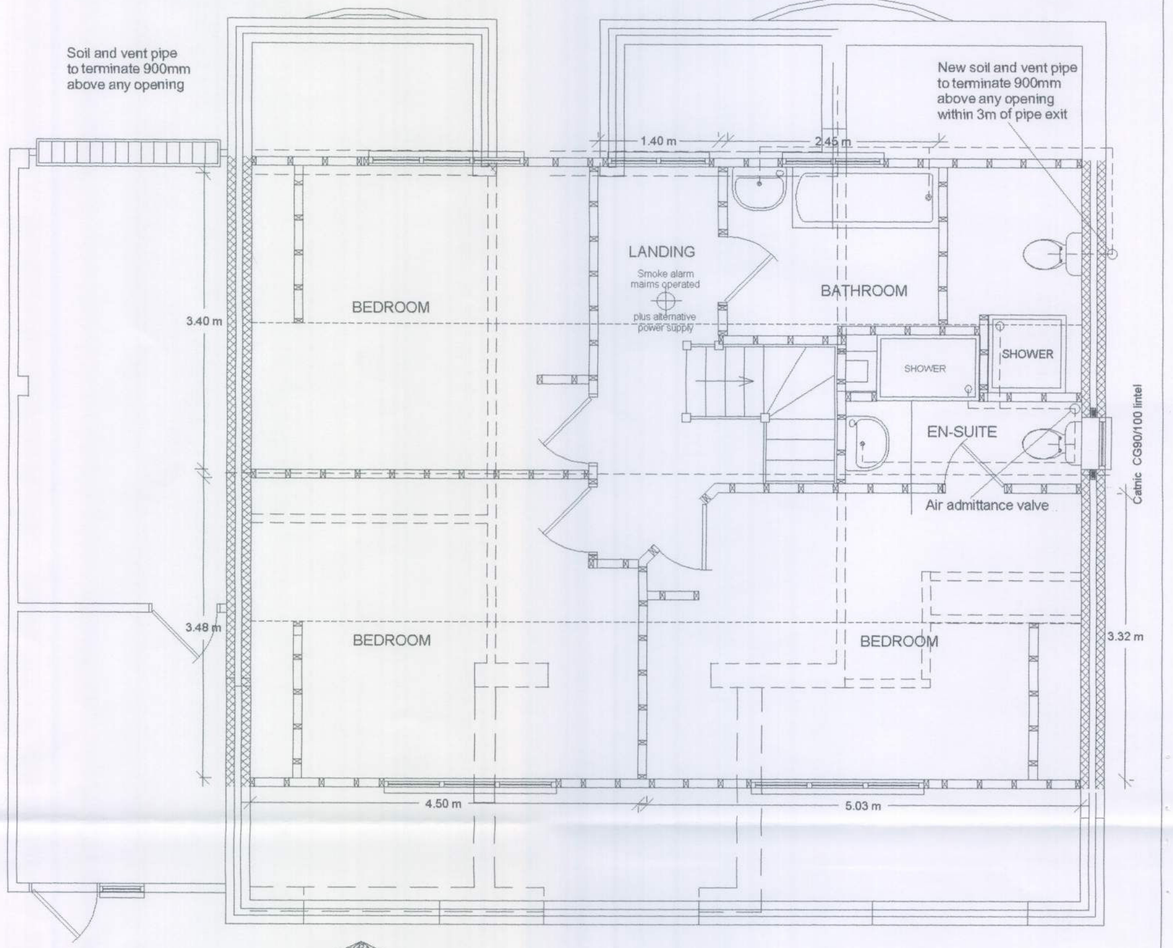
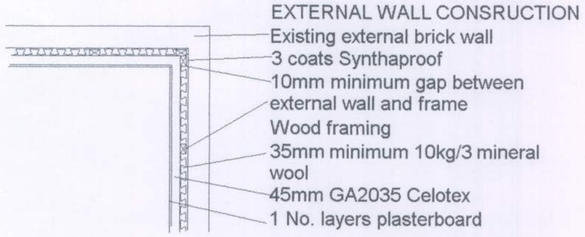


NEW GROUND FLOOR PLAN



NEW FIRST FLOOR PLAN



INSULATION SCHEDULE

Ground floors Suspended timber P/A = .87 Front and .56 Rear = 110mm XR3110 Celotex = 0.22 W/m2K.

Cavity walls 90mm brick outside skin 100mm Toplight GTI inside skin 45mm CW3045 Celotex = 0.3 W/m2K.

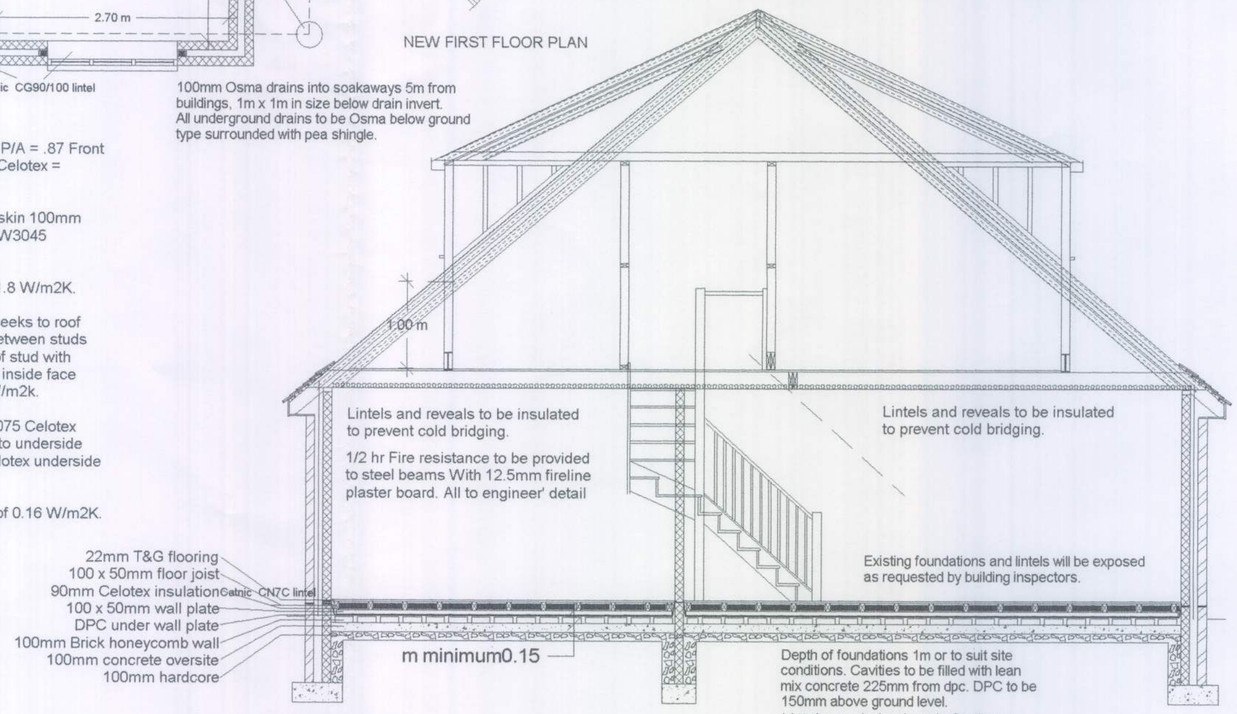
Windows to achieve 'U' value of 1.8 W/m2K.

Timber stud walls and Dormer cheeks to roof space 75mm GA3075 Celotex between studs pressed forward to outside face of stud with 25mm gap and 12mm Celotex to inside face plus 12.5mm plasterboard = .3 W/m2k.

Pitched roof ceilings 75mm GA3075 Celotex between rafters pressed forward to underside of batten plus 55mm GA3055 Celotex underside of rafter = 0.2 W/m2K.

Ceiling level to achieve 'U' value of 0.16 W/m2K.

100mm Osma drains into soakaways 5m from buildings, 1m x 1m in size below drain invert. All underground drains to be Osma below ground type surrounded with pea shingle.



SECTION A - A

SUSPENDED TIMBER GROUND FLOORS Building Regulation C4. & Part L
20mm T&G flooring on 100 x 50mm C16 joist on 100 x 50mm wall plates on 100mm wide DPC on brick honeycomb sleeper walls on 100mm concrete 1 : 4 : 2 Pre-mix on 1200 polythene DPM on 25 mm sand blinding on 100 mm hard core. All voids and excavation to walls filled with hardcore. Provide A142 mesh within the bottom of concrete slab over drainage runs. 100mm GA3100 Celotex floor insulation fixed between timber joist to provide minimum U - Value of 0.25 W/m2k.
1500mm2 under floor ventilation per meter run to all walls above ground level.

Do not scale from drawings (excepting Local Authorities)
All dimensions to be checked on site

All work to comply with Building Regulations, British Standards, manufacturer's instructions /specifications and engineer's calculations at all times. Construction must also comply with all safety at work regulations.Additional work may be requested by the building inspector as work proceeds to ensure the new building complies with all building regulations.

No	Change	Date	Init

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Date: 14th January 2010
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