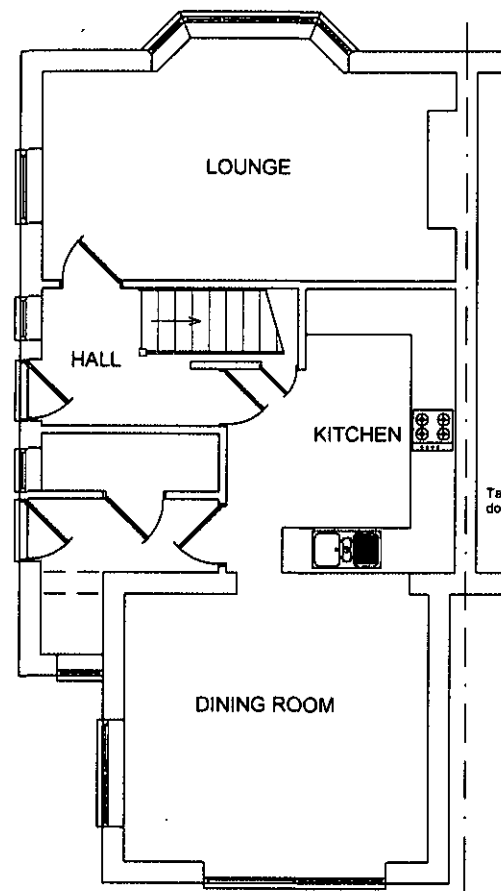
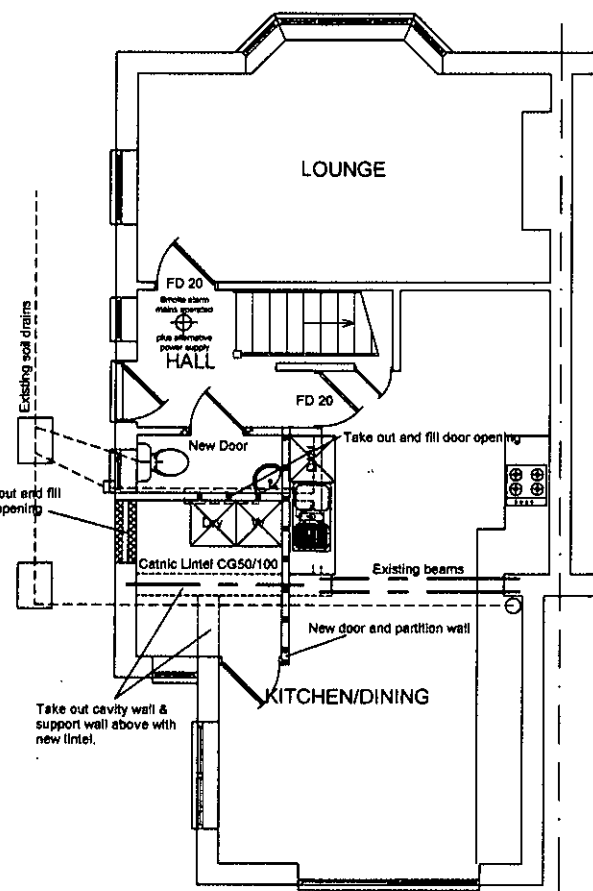
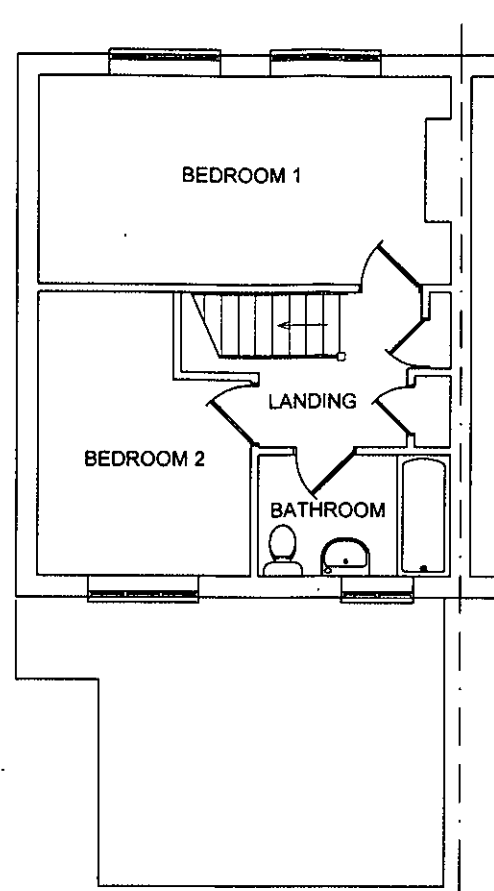




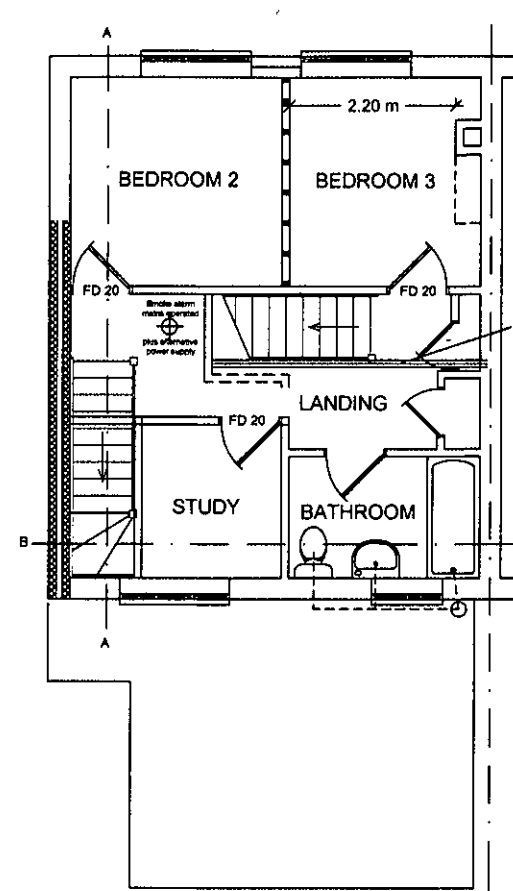
EXISTING GROUND FLOOR PLAN



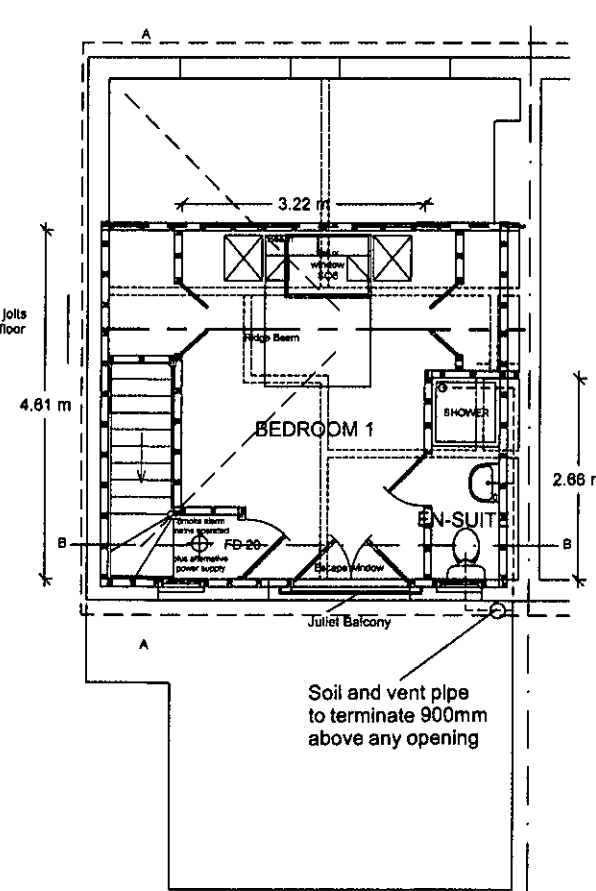
NEW GROUND FLOOR PLAN



EXISTING FIRST FLOOR PLAN



NEW FIRST FLOOR PLAN



NEW SECOND FLOOR PLAN

FLOOR JOIST Building Regulation A1 A2.

Joist to be 47 x 170mm @ 400mm c/c C16 Table 6 Double joist under partition walls 1 No. 75 x 200mm to support stairs. Provide 30 x 5mm steel restraint straps at 2m intervals at right angles to the joist, to extend over 3 No. joist with noggings.

ROOF Building Regulation A1/A2 and TRADA technology.

Concrete or clay tiles to match existing on wooden battens on reinforced roofing felt to BS747 on 50 x 200 mm C16 rafters, or to engineer's calculations on 50 x 100mm wall plates, hold down straps every 2m run to wall plates. Provide steel ridge beam to engineer's calculations.

Provide double rafters either side of Velux roof lights.

Triple rafters both sides of dormer. 2 No 100 x 50mm timber posts to corners of dormer. Constructed in 100 x 50mm C16 timber rafters, ceiling joist and stud work cheeks.

FLAT ROOF A1/A2/B4 and TRADA technology.

Flat roof covering 3 layers of mineral felt with 12.5 depth bitumen bedded stone chippings Building Regulation Part B Table 5 Part iii: or fibreglass by specialist supplier (fibreglass specialist to provide fire rating specification) on 19mm marine ply on 125mm TD4125 Celotex Minimum U - Value 0.19 W/m2k, on sloped firings not less than 1 in 80 on 170 x 50mm joist C16 table 36 @ 400 c/c on 50 x 100mm wall plates, hold down straps every 2m run. Steel joist/wall connectors to support joist to existing house wall.

STUD WALLS

External and internal stud walls to be in 50 x 100mm C16 timber

PLUMBER Hot water and central heating Building Regulations G3/J and L. Including Parts L1A and L1B April 2006.

The hot water and central heating system will be extended to include the new extension to comply with approved documents J & L, by a competent plumbing and heating engineer. All gas installations will be installed by a qualified Gas Safe engineer. Central Heating and Hot and Cold water in copper to BS864.

Boiler replacement is to be Condensing type sufficient to provide heating and hot water to the whole of the property. Provide boiler commissioning Certificate on completion.

RAIN WATER Building Regulation H3 Table 2 100mm Gutter, 75mm down pipes discharging into 100mm Osma drains into soakaways 5m from buildings, large area of roof must be proportional to the size of soakaway.

All underground drains Osma below ground type surrounded with pea shingle.

All traps from sinks, baths and basins are to be deep seal 76 mm, showers 50 mm seal shower traps. Bath, shower and sink waste pipe to be 40 mm dia. basin waste to be 32 mm dia. access plugs where necessary, 110 mm pipe soil and vent pipe. Building Regulation H1

Soakaways will be 5m from any building and be 1m x 1m in size below invert of drain inlet and if necessary increased in capacity or form of construction after a percolation test is carried out, as described in Building Regulation AD H2.

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.

ELECTRICITY Building Regulation Part P (Electrical Safety)

To comply BS 7671 (I.E.E. Wiring Regulations 17th Edition). Fit mechanical extractor to Bathrooms, Kitchens and Utility rooms to vent: 30 litre /sec. adjacent to hob and 60 litres/sec. elsewhere in kitchens. 30 litres/sec. utility rooms, 15 litres/sec. for bathrooms/toilets. All switches and sockets to be positioned between 450mm and 1200mm above floor level. Certificate to comply with BS7671 to be issued after completion of the work. New window opening sash ventilation to be not less than 1/20th of room floor area.

Smoke alarms, mains operated and interconnected, to be fitted to ground and first floor, located not more than 3m from any bedroom and not more than 7.5m from any other room. Heat detector fitted in kitchen. Building Regulation B1.

PLASTERING

Ceilings to be boarded with 12mm plasterboard and skimmed with plaster. Internal walls to be dry-lined with 12mm plasterboard.

Walls surrounding stairs to form a 30 minute fire compartment, all stud walls and ceilings over lined with 12mm fireline plasterboard and skimmed. All doors opening onto stair compartment to be 30 minute fire doors.

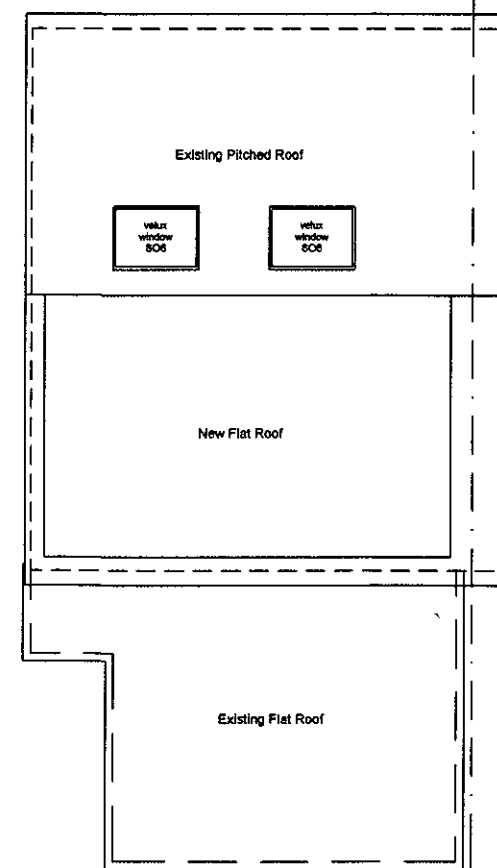
GLAZING Building Regulations F1 Table 11.1 Ventilation, N1 Glazing. Windows and doors to be double glazed with 16 mm separation low emissive glass to give maximum 2.U-Value. New windows opening sash ventilation not less than 1/20 of room floor area, doors and rooflights not more 25% of total floor area. Fitted with a minimum 8000mm2 trickle ventilator to habitable rooms, all other rooms 4000mm2. All new external doors and joining windows to be glazed in safety glass in an area 1500mm high from bottom of glass and extend 300mm either side of door frame opening. All internal glass doors and screens to be in safety glass. All to BS6206 and supplied by FENSA approved installer.

EMERGENCY ESCAPE WINDOWS Building Regulation B1/2.11.

All habitable rooms to incorporate opening sash for means of escape not less than .33 m2, width of opening not less than 450mm, window height from floor to sill not less than 800mm not more than 1100mm. except roof windows (bottom of opening 600mm above floor).

PASSAGE OF SOUND Building Regulation E Resistance to passage of sound.

Stud partition walls to include sound insulation to regulation E2 with 75mm minimum distance between 12mm plaster board linings. 25mm wool batts or quilt, minimum density 10 kg/m, suspended in cavity. Solid block walls type C minimum mass per unit area, excluding finish, 120 kg/m2 Sound insulation to first floor to be mineral wool a minimum 100mm thick, minimum density 10kg /m3 laid between joist. Provide test certificate for Local Authority.



ROOF PLAN

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.

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Drawing 1 / 4

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