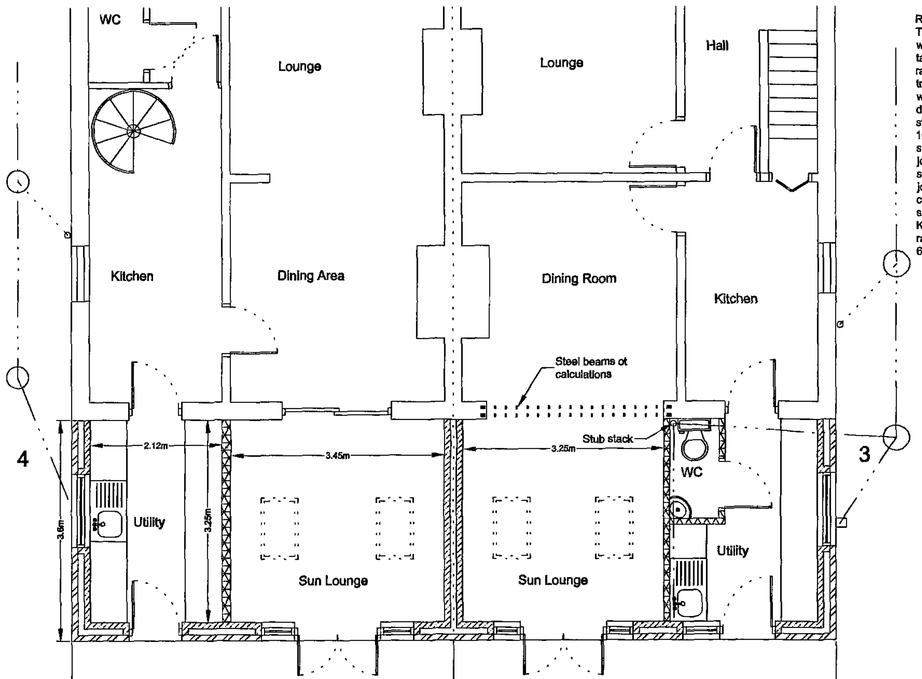


Proposed Site Plan

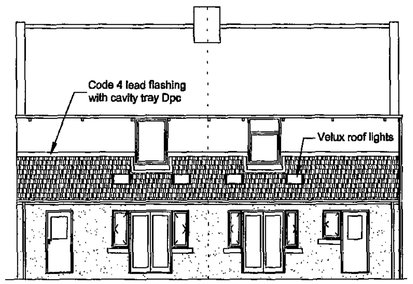
Existing Pre-cast Concrete Repositioned or New Pre-cast Concrete to Replace existing same size

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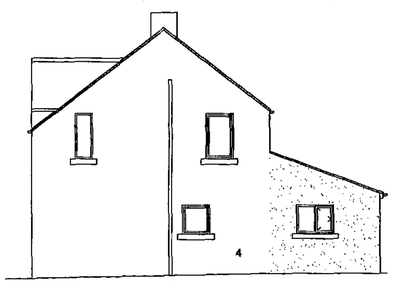
DRAINAGE
The new drains to be 100mm flexible jointed pipes (Hepsleve or similar) laid to minimum fall of 1 : 40 with 150mm pea gravel surround in accordance with BS 8301. gullies to be back inlet and fitted with an internal rodding access. Inspection chambers to be either roprieatary Upvc to a maximum depth of 1m or 225mm class B engineering bricks on 150mm concrete base with heavy duty cover. The 100mm stub stack is to be fitted with an air admittance valve aminimum 300mm above any fitting. The waste pipes are to be 40mm to sink and 35mm to wash basin, all to be fitted with deep seal anti-vac traps. The surface water is to be taken to a soakaway a minimum 5m from any building if the ground conditions are suitable and the foul taken to the existing system.

ROOF
The roof to be minimum 20 degree pitch with Marley modern tiles with the colour to match the existing tiles/slates on 38mm x 20mm tanalised battens on breathable felt on 50mm x 150mm C16 rafters and ceiling joists at 400mm centres with 50mm x 75mm trianglation hangers. The rafter feet to be secured to the lower wallplate of 75mm x 100mm with truss clips and the wallplate tied down to blockwork with 30mm x 5mm x 1000mm long galvanised steel straps at 1.8m centres. The upper wallplate of 75mm x 100mm to be Rawl bolted to existing wall at 600mm centres supporting ceiling joists with steel hangers, rafters and ceiling joists tied to gable walls with 30mm x 5mm x 1.8m long steel straps spanning a minimum of 3 joists and block out between joists and extended down the cavity 450mm at 1.5m centres, ceiling joists underdrawn with 12.5mm plasterboard and 5mm skim. The roof is to be insulated with 75mm Kingspan Kooltherm K7 between the rafters & ceiling joists and 50mm fixed under the rafters & ceiling joists. The eaves gutter 115mm and downpipe 65mm in upvc to match existing.

EXTERNAL WALLS
To be cavity wall construction with external leaf of concret block rendered to match existing, 100mm cavity with 50mm Kingspan kooltherm K8 Insulation wall batts and internal leaf of 100mm Thermalite shield blocks. Walls ties to be 5 number per metre square and 225mm vertical centres to reveals, stainless steel double triangle to BS 1243. The internal wall to be finished with 12.5mm plasterboard on dabs or 15mm two coat gypsum plaster. The blockwork and brickwork to be either block bonded or tied using Furfix stainless steel ties to the existing, with the cavities made continuous with existing. The dpc is to be 150mm above the adjacent finished ground level and linked with the existing, cavities closed with Thermabate or similar approved cavity closer.



Proposed Rear Elevation



Proposed Side Elevation

WINDOWS & VENTILATION
The windows and doors are to be UPVC double glazed with U value of 1.8 with16mm air gap and a "soft" low-E coating and draught stripped with trickle ventilation of 8000mm2 and opening lights minimum 5% floor area of the room. Glazing to doors and side panels within 1500mm and windows within 800mm of the floor must laminated or toughened safety glass and marked according to BS 6206. Mechanical ventilation provided to Utility rooms and WC compartment of 30L/sec and 15L/sec repectively ducted to the external air, and WC to have 15 minute overrun.

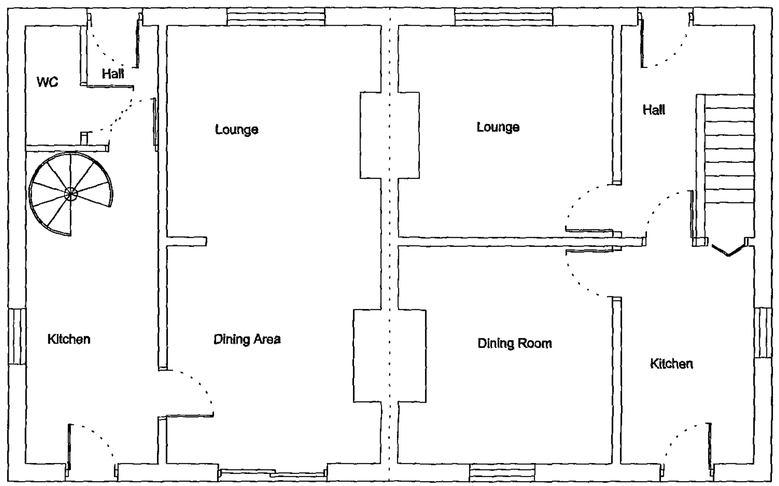
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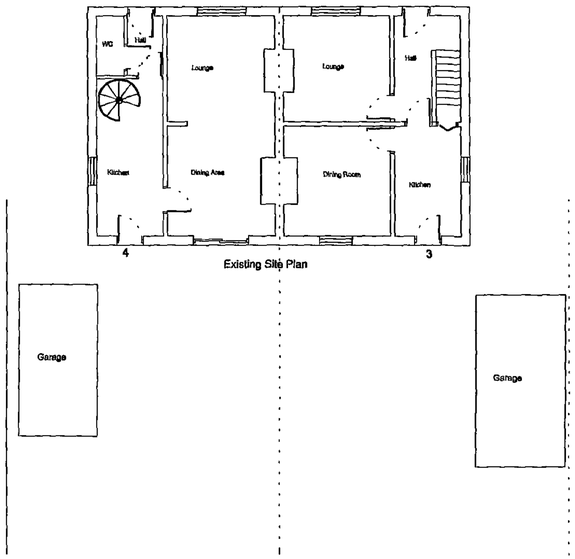
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Project	Proposed Plans
Scale	1 : 50 & 1 : 100 — Date September 2008

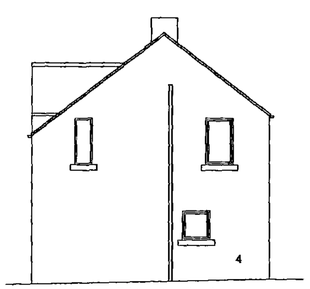
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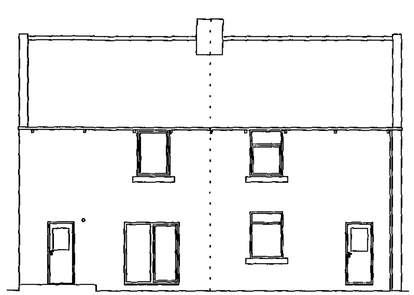


Existing Ground Floor Plan

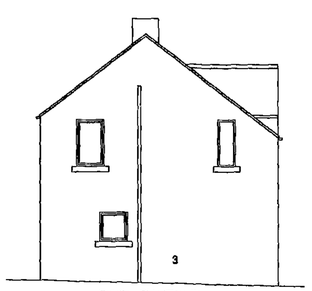




Existing Side Elevation



Existing Rear Elevation



Existing Side Elevation

Barnsley Metropolitan Borough Council
17 SEP 2008

Mr. D. & Mrs A. B. Parrott Drawing No. 4WCO/08/01

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