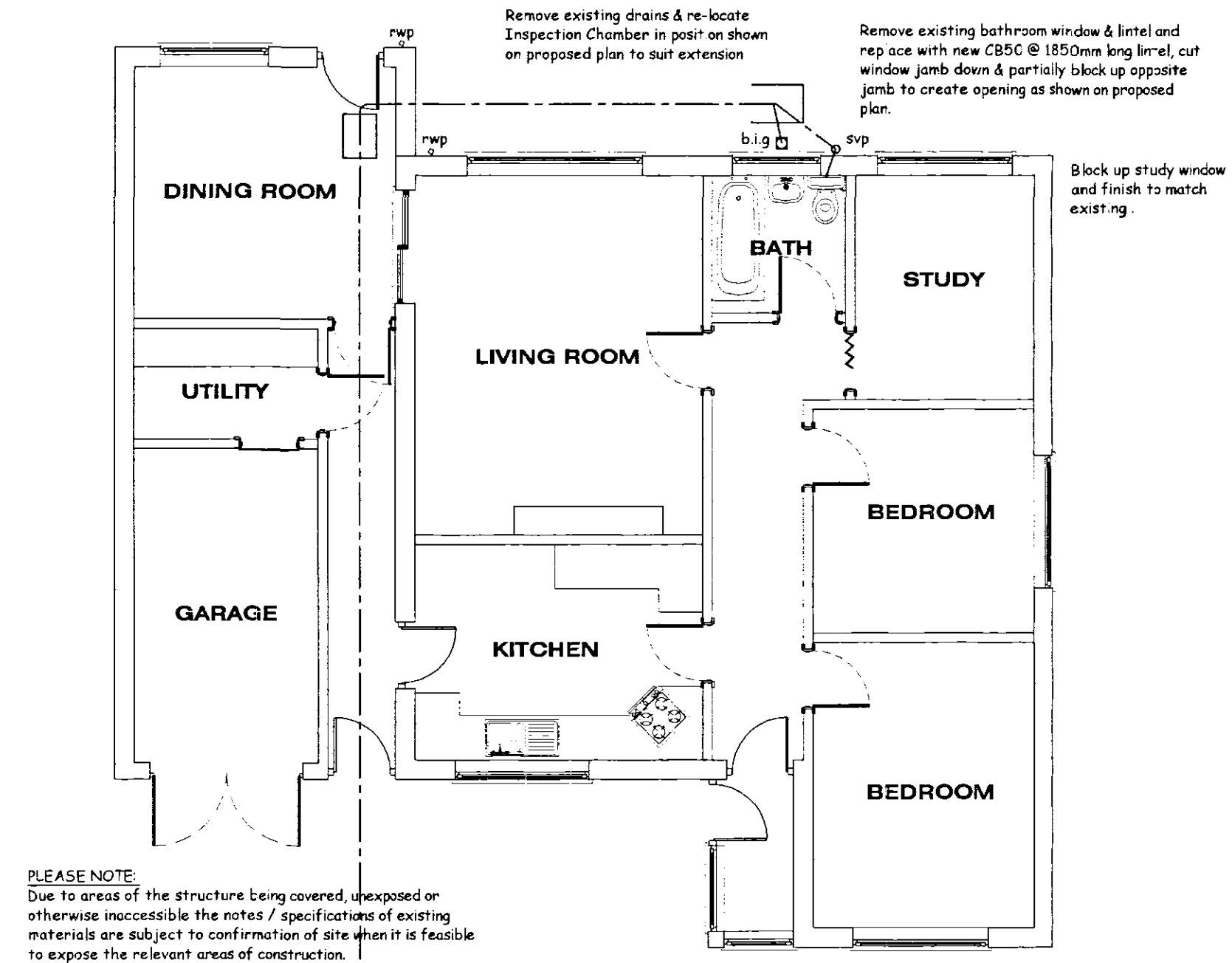


Contractor to check all Dimensions on site prior to ordering materials / commencing work. Do Not Scale from this Drawing - If in doubt then please ask



EXISTING GROUND FLOOR PLAN
Scale 1:75

FOUNDATIONS

Existing building area to be stripped of all vegetable matter and rubbish to a min depth of 150mm before excavation commences. Concrete mix for foundations to be GEN3 in accordance with BS5328:1981. Foundations to external wall to be min 700mm wide x 225mm deep. Excavate down to solid firm strata ie 750mm deep (min 1000mm if soil is of a shrinkable nature). Exact depth to suit conditions on site and to the strict approval of the L.A. Building Inspector. Any irregularities in subsoil during excavation to be brought to the immediate attention of the Building Inspector & advice to be sought from a Chartered Structural Engineer.

WALLS BELOW D.P.C.

1no. Course of Class B brickwork & 2no. courses of Red Engineering brickwork below D.P.C. on outer face and 1no. course of 7N/mm² on inner skin of cavity face. Elsewhere 1:2.5 cement / N/mm² concrete blockwork or full width trench blocks both to be within 225mm of D.P.C. level. Cavity to be filled to within 225mm min. of below D.P.C. with lean concrete mix.

GROUND FLOOR

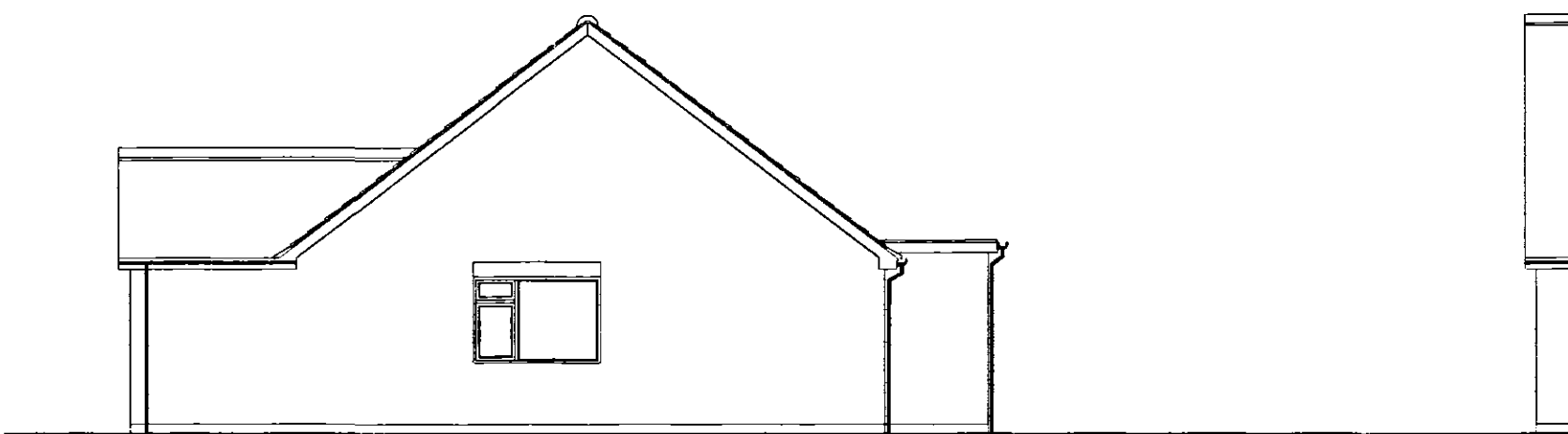
60mm mortar screed with a light gauge reinforcing chicken wire on 500 gauge polythene separating layer on a 60mm Celotex Double R GA3000Z rigid insulation board or similar approved, provide 30mm thick perimeter insulation between screed and floor insulation up to d.p.c. level on 100mm thick GEN3 concrete sub-floor on a 1200 gauge DPM lapped onto D.P.C. with in wall's on min. 150mm clean and well compacted hardcore. Depth of hardcore must not exceed 600mm and must be compacted in 150mm thick layers. All service entries to be sealed with pressure sensitive tape. Floor to achieve a min 'U' Value of 0.25W/m²K.

Floor Insulation Installation guidelines (under screed)

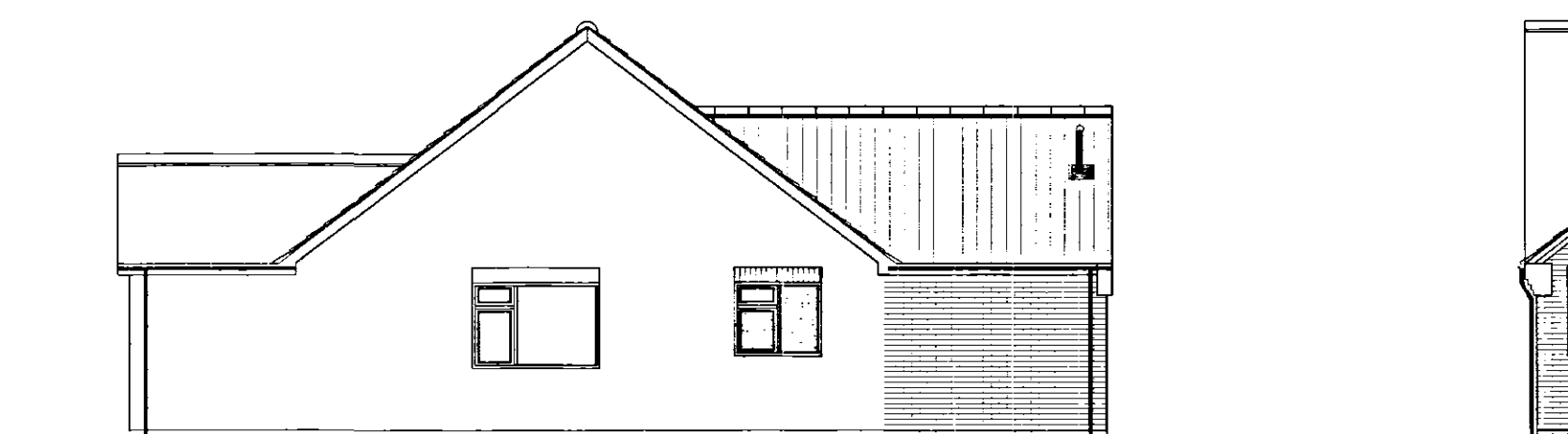
1. Install a Damp Proof Membrane (DPM) below the slab. OR apply a liquid waterproofing material to the top surface of the slab.
2. The DPM must provide continuity with D.P.C.'s installed within the surrounding walls.
3. Level the surface of the slab; it should be smooth and free of projections.
4. Use a thin sand binding on a rough tamped slab to ensure that boards are continuously supported. Cut strips of board as upstands to fit around floor perimeters to eliminate heat bridging at screed edges.
5. Upstand depth should equal the sum of the slab insulation and screed thickness.*
6. The upstand thickness should not exceed the combined thickness of wall plaster and glazing.
7. Lay boards directly onto the prepared slab, cutting infill boards as required. Joints must be tightly butted. The use of a polythene vapour control layer over the insulation is recommended by the BRE to minimise the risk of condensation forming at the insulation/slab interface.
8. Apply a sand/cement screed over the GA3000Z boards to a minimum thickness of 65 mm. Use scaffold boards or other protection to prevent wheelbarrows and other traffic damaging boards.
9. Allow screed to dry thoroughly before an impermeable surface, such as a vinyl floor finish, is applied.
10. These recommendations are suitable for normal domestic floor loadings. If higher loadings are required it may be necessary to increase screed thickness and provide reinforcement within the screed.

Installation guidelines (under slab)

Insulation under the slab must have: Level and well blinded hardcore. DPM (Damp Proof Membrane) placed under insulation. Insulated upstand: thickness of slab + screed. DPM contiguous with the D.P.C.'s. Vapour control layer (eg. 1000g polythene) laid directly over insulation.



EXISTING SIDE ELEVATION
Scale 1:100



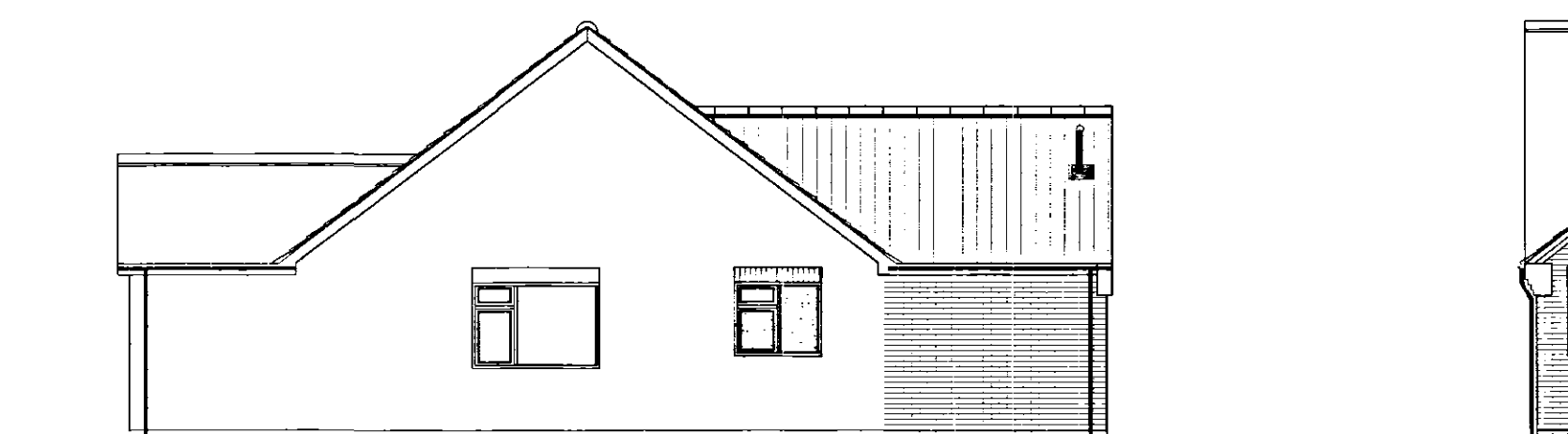
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