

First Floor Existing.

CEILINGS.
150mm glassfibre insulation laid between joists: 12.7mm Gyproc "duplex" plasterboard Artex finish: Provide min 38 x 38 noggins to all plasterboard edges. All joints to be taped and filled. Garage ceiling to be 12.7mm Gyproc Fireline board and Artex: Provide access trap to roof space: opening to be lined with 25 x 25 planted stops: Access panel to be 12mm ply with layer of 12.7mm Fireline board fixed to face.

WALLING.
265 cavity walling to consist of face brickwork to B.S.3921:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks: 65 cavity: build into cavity Rockwool cavity wall batts insulation boarding in accord. with makers instructions and agrement cert' No.83/1087 . 100mm Tarmac Hemelite solid insulation blocks or similar: Cavity walls tied together using galvanised iron twist ties set 900 horizontally and 450 vertically to B.S. 1243:1978 wall ties positioned at 300 vertical centres at all unbonded closures of cavity: Close cavities with 'Thermabate' preformed closerand provide bitumen felt DPC to C.P.121: External walls to have max 'U' value of 0.45 W/m2 deg. C.: Internal wall of 150mm Thermalite Turbo solid insulation blocks and to receive 10mm S/C render and 3mm skim (except garage). Stud walls to consist of 38 x 89mm c.i.s. studs at 400mm c/c, both sides to be clad with 12.7mm plasterboard and skim. 100mm glassfibre infill between studs.

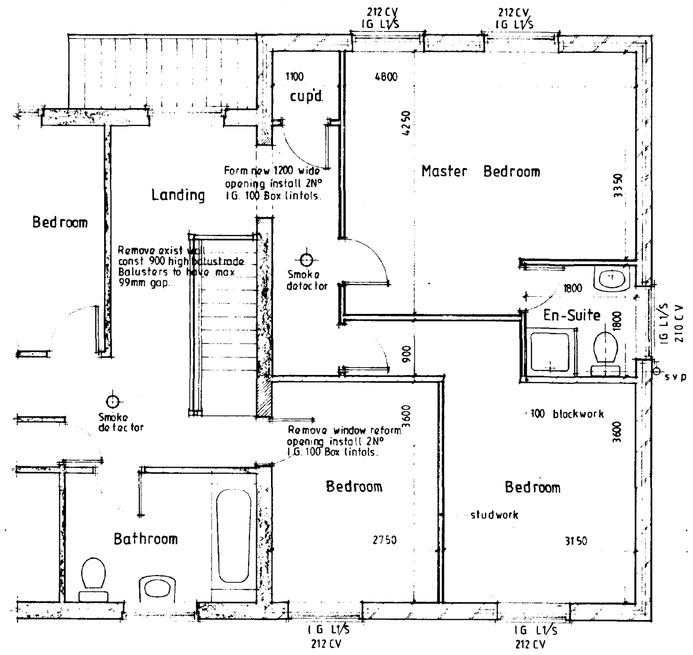
SUB STRUCTURE WALLING.
Class A dense concrete blocks: DPC to external wall positioned in accordance with CP 102 min. 150 above finished ground level: Weak mix concrete infill to base of cavity no closer than 225 to DPC. All brickwork below D.P.C. to be F.L. quality.

GROUND FLOOR CONSTRUCTION.
Strip all vegetable soil and lay floor as follows: 70mm sand and cement screed with chicken wire reinforcement on 500g polythene D.P.M. on 20mm Celotex RF1 insulation board, insert 25mm insulation board to perimeter of all oversite on 1200g polythene D.P.M. lapped continuous with D.P.C. by min. 100mm on 100 concrete oversite: Concrete mix ST3 to B.S. 5328 1990: 150 blinded and consolidated hardcore: Garage floor to be as above except sand cement screed and insulation:

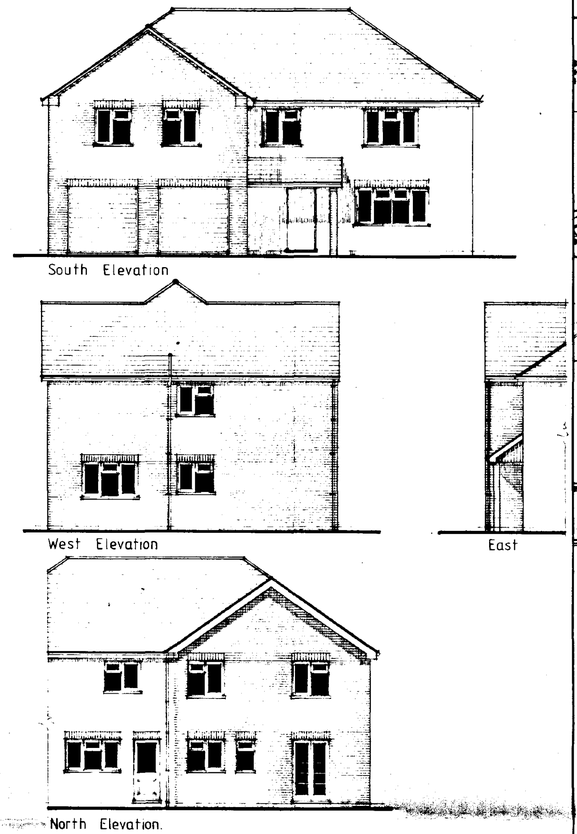
FIRST FLOOR CONSTRUCTION.
19mm T&G flooring grade chipboard on 50 x 170 SC3 grade joists at 400c/c: 30 x 5 galv. steel anchor and lateral restraint straps to joists at max. 1.5m c/c straps to be run over min. 3No. joists with solid bridging beneath: Provide herring bone strutting min. 38 x 38 at mid span of joists where span exceeds 2.5m: Provide 2No joists bolted together under all first floor walls where not supported on blockwork below.

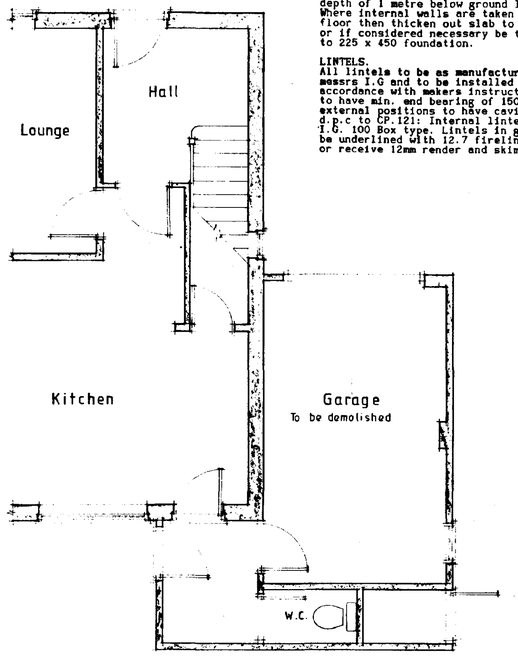
FOUNDATIONS.
Under walls as shown provide strip concrete foundations as follows. Under 265 cavity walls provide 225 x 700 and under 150 walls provide 225 x 600 all ST3 mix to B.S. 5328 1990.. All foundations taken down to bear on load bearing strata min. depth of 600 to top of foundations: should shrinkable soil conditions be found on site then foundations shall be taken down to a depth of 1 metre below ground level. Where internal walls are taken up off floor then thicken out slab to 225 x 450 or if considered necessary be taken down to 225 x 450 foundation.

LINTELS.
All lintels to be as manufactured by messrs I.G and to be installed in accordance with makers instructions. And to have min. end bearing of 150mm and at external positions to have cavity tray d.p.c to CP.121: Internal lintels to be I.G. 100 Box type. Lintels in garage to be underlined with 12.7 fireline board or receive 12mm render and skim..

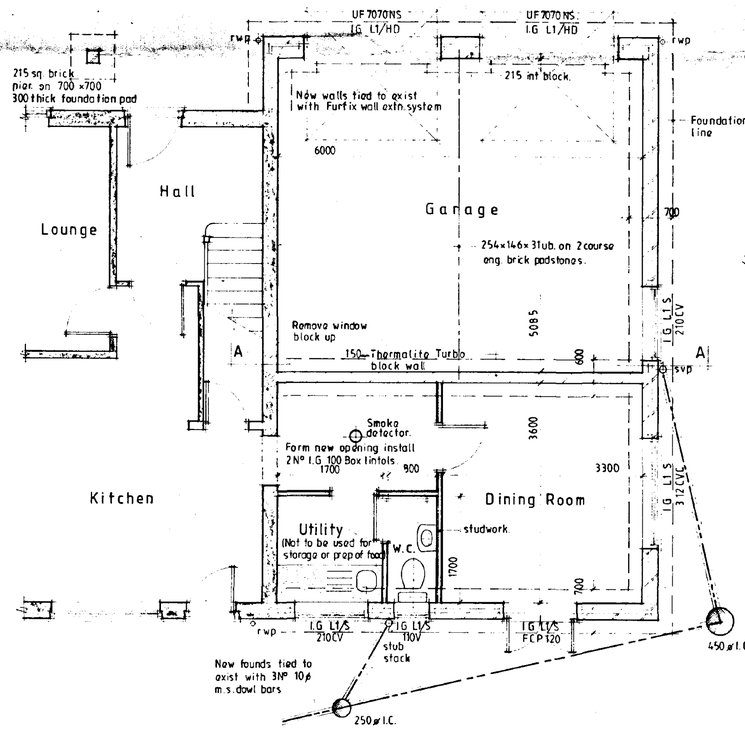


First Floor Proposed

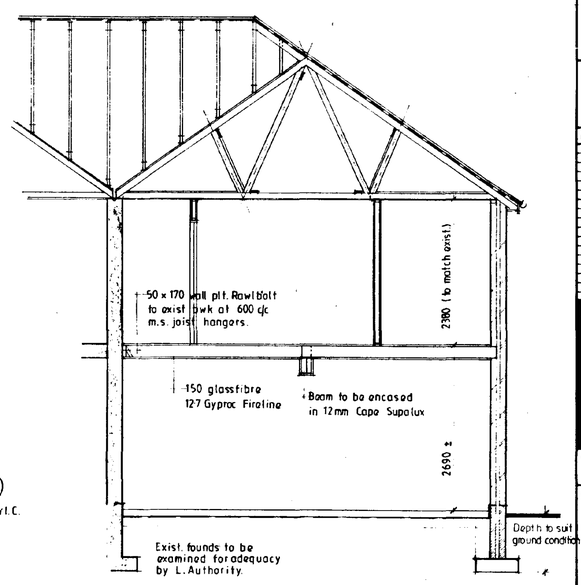




Ground Floor Existing.



Ground Floor Proposed.



Section A-A

VENTILATION
All windows to have opening lights to give the equivalent of 1/20th the floor area. Window heads to be fitted with hit and miss ventilators to give min 4000msq permanent free air ventilation per room. All kitchens to have in addition to above Wall/Window mounted mechenical extractor fan to extract not less then 60 litres per second. Bathrooms to be as kitchens but to extract not less than 15 litres per second which may be operated intermittently.

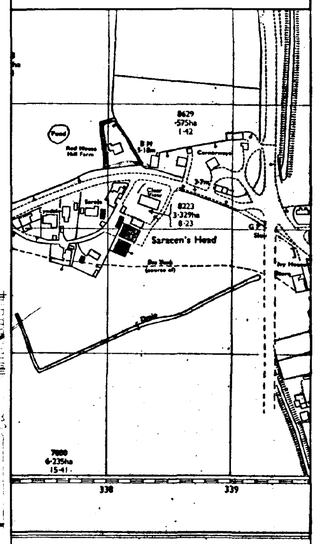
HOT WATER AND SPACE HEATING
Provide 'Economy 7' electric night storage heaters, and electric immersion heater to a vented hot water storage cylinder. All hot water storage tanks and pipework to be insulated to B.S.L1 part 3.

SMOKE DETECTORS.
Provide mains operated self-contained smoke alarms to B.S. 5446. pt1 in positions shown on plan.

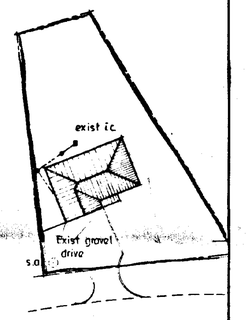
GLAZING.
Double glaze extension throughout excluding garage. All Glazing between f.f.l and 800mm high and between f.f.l. and 1500mm high in doors and side lights to be saftey glass to B.S. 6206.

DETERMINED PLAN

Notes & Schedules



Location Plan 1:2500



Block Plan 1:500

CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE BEFORE WORK COMMENCES
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revision	date	init.	revision details

COOPER ARCHITECTURAL DESIGN
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client
MR & MRS A. LUCAS.

project
PROPOSED EXTENSION TO HOUSE
RED HOUSE HILL FARM
PIPWELL GATE
SARACENS HEAD
SPALDING,
LINC'S.

SOUTH HOLLAND D.C. PLAN DEPT 27 SEP 1994 0924/94 REF

drawing
FLOOR PLANS , ELEVATIONS.

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1:50 1:100	LS 9306 : 1
date	drawn
APRIL '94	