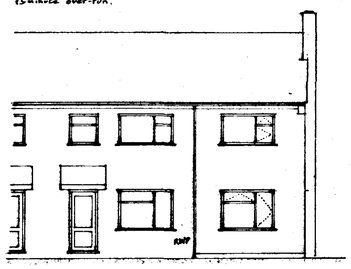
Window double glazed with 4mm E glass and min 12.5mm air gap, draught stripped and trickle ventilation of 4000mm² to en-suite 8000mm² to bedroom.

En-suite to have extractor fan capable of 15 litres per sec. to external air.

Internal Bathroom to have extractor fan capable of 15 litres per second ducted to external air. Provide air inlet e.g. 10mm gap under door. Fan to have 15minute over-run.



West

Code 4 lead flashings to chimney with 150mm upstand.

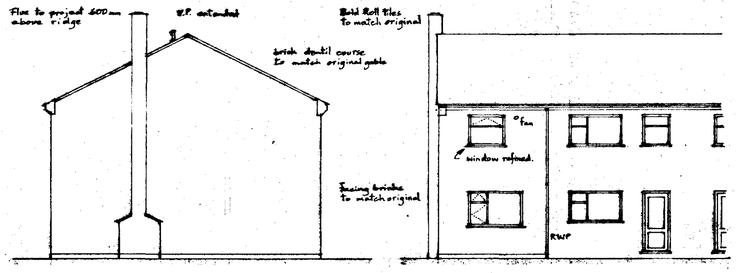
Flue to project 600mm above ridge

V.P. extended

British shingle course to match original gable

Bold Roll tiles to match original

Facing brickwork to match original



South

East

Roof pitch, eaves and floor levels to match existing.

To rafters and ceiling joists at gable end put 5×30mm galv. m.s. straps at max 2m. centres Neg out under.

Provide 200mm glass fibre roof insulation (Maintain air gap at eaves).

P.V.C. guttering to match original.

10mm wide flyproof eaves ventilation to opposite sides.

Marley Bold Roll tiles to match on 25×38mm tanalised battens and reinforced felt to B.S. 747 lapped 150mm horizontally and vertically.

38×100mm rafters and 38×122mm ceiling joists at 400mm centres (grade SE3)

75×225mm purlins (stress graded SC4)

75×225mm binders (grade SC3)

50×100mm wall plate with 5×30mm galv. m.s. holding down straps at 2m centres.

9.5mm plasterboard with Artex finish.

18mm flooring grade t & g. chipboard (moisture resistant to en-suite) on 50×178mm S.C.3. joists at 400mm centres. 38×38mm herring bone strutting at mid-span.

12.5mm plasterboard with Artex finish

100mm blockwork

40mm screed on 100mm ST4 concrete 50mm heavy duty polystyrene, 1200 gauge polythene D.P.M. turned up at edges to pass d.p.c. Polystyrene to be turned up at perimeter of external walls.

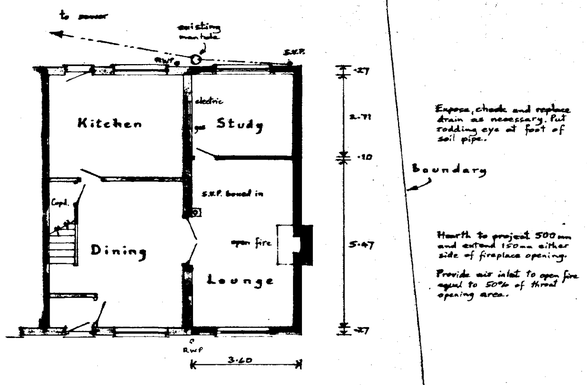
100mm hard core well compacted and blinded with sand.

Cross Section

ST4 concrete foundations taken down to firm strata and to be compatable with existing. 700mm wide to cavity walls, 450mm wide to single walls all 230mm deep.

Rainwater downpipes to be repositioned to mask brick joint and be re-connected to existing soil/waste drain.

Foul drains to be 100mm P.V.C. bedded on pea gravel and to fall 1:72. Connect to existing manhole.



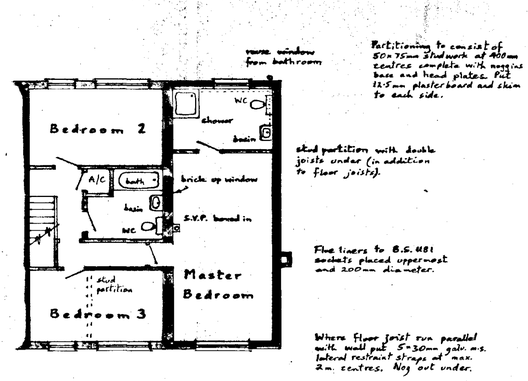
Ground Floor

Expose, check and replace drain as necessary. Put rodding eye at foot of soil pipe.

Boundary

Hearth to project 500mm and extend 150mm either side of fireplace opening.

Provide air inlet to open fire equal to 50% of throat opening area.



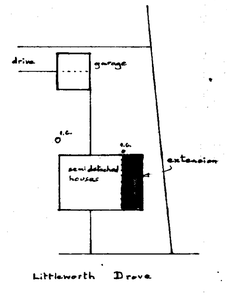
Partitioning to consist of 50×75mm Studwork at 400mm centres complete with noggins base and head plates. Put 12.5mm plasterboard and skim to each side.

stud partition with double joists under (in addition to floor joists).

Flue liners to B.S. 41 81 sockets placed uppermost and 200mm diameter.

Where floor joist run parallel with wall put 5×30mm galv. m.s. lateral restraint straps at max. 2m. centres. Neg out under.

First Floor



Site 1:500

Cavity walls to be 300mm facing brickwork 65mm cavity with 65mm Brithern insulation and 100mm Durox insulating blockwork. Provide wall ties at 900mm horizontally 450mm vertically, staggered and at 225mm to jambs of openings. Mortar to be 1:1:6 cement lime sand or equal.

Walls below d.p.c. to be frostproof and cavity filled with weak concrete to ground level. D.P.C. to be set 150mm above ground level.

Bond new and existing walls with "Furfix" profiles all to makers instructions.

Openings to have horizontal and vertical damp proof courses, jambs to be insulated with "Dameer" or similar

Lintels to be I.G. L1/S-50 with 150mm end bearings. Put cavity tray unless protected by canvas. Put soldier arch over to match existing.

DETERMINED PLAN
SHDC
Planning & Development
08 FEB 2002
Ref 0142/02

Mr. and Mrs. A. M. Woods,
2, Fantail Close, SPALDING

Extension to house.

Written dimensions to be used in preference to scaled, and all measurements to be verified by checking on site	Scale 1:100 & 1:50
Local Authority Ref. Planning	Drawing No. 220207
Building Regulations	Date Jan. 2002

A. ROFFE
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