

EXTENSION AND GARAGE AT 66 LILAC CRESCENT HOYLAND BARNSELY.**EXTENSIONS TO THE HOUSE.****ROOF**

Rosemary tiles to match existing on 25mm x 48mm slate battens on untearable felt on timber rafters 150mm x 50mm at 450mm centres, and ceiling joists of 100mm x 50mm at 450mm centres with 150mm x 50mm collars at every second rafters. Purlins are to be 250mm x 100mm

2 layers of 150mm thick rockwool insulation each crossing the other at 90° to each other on ceiling consisting of 12.5mm plasterboard and skim.

Rafters connected to wall plate and 25mm x 200mm ridge board.

New sloping ceiling to have 1 layer Kingspan Cooltherm K7 100mm thick in between rafters with a min. 50mm airspace above (installed to manufacturers specification), with 25mm Kingspan Thermawall TW56 across face of rafters.

Where there are roof lights installed and the sloping ceilings over the new bedroom / ensuite, roof vent tiles to be provided at the top and bottom for continued natural ventilation to the roof.

Ridge vents to all roofs to have a min. 5mm continuous vents, or high level tile vents.

Wall plates to be 100mm x 50mm timber fastened to the blockwork. Holding down straps to be provided at max. 2m. centres.

Lateral restraining straps to be provided up the roofline and at ceiling level to the gable walls at max. centres of 2m and connected over 3no rafters and joists. Provide 75x50mm noggins to restraint straps.

Mild steel straps to be positioned on every rafter and fastened to the wall. Each rafter to be bird mouthed over the wall plates.

For added strength lateral straps to be provided on the floor joists at the gable end and fastened a min. 3 times along their length.

Roof lights to be Velux type or similar approved.

Fascia board to be 200mm x 25mm timber or P.V.C.

200 x 25 fascia board with 25mm fly proof soffit vent behind.

Rainwater goods to be of P. V.C. and to be 100mm half round gutters and 63mm fall pipes and connected to the new gullies positioned onto the existing s/w drain or to soakaways a min. 4 m from any buildings and a min. 1 cu. m. below drain invert level, but designed to ground conditions.

WALLS

External walls to be 102mm thick red facing bricks to match the existing house.

Cavity to be 100mm wide filled with 100mm Dritherm insulation.

Inner leaf to be 100mm thermal blockwork and finished with 12.5mm plasterboard on dabs internally with skim.

Wall ties to be stainless steel and to be positioned at a min. 10/m² and every course up reveals and with a min. 50mm mortar bed.

Thermabate insulation cavity closures to be provided to reveals.

Lintols to be I.G. L1/HD 100 over the openings supported during construction. DPC tray to be provided over lintols. Lintols to have a minimum 150mm bearing.

Windows to be double-glazed pvc with tilt and turn opening lights.

All double glazing to have 28mm air gaps and will have a Low E coating.

DPC to be min. 150mm above finished g/l, and to be positioned also at reveals and cills.

Lintols over internal doorways to be Naylor p100 lintols or plank Naylor lintols to cavity walls.

Internal timber partition walls on the first floor to be 100mm x 50mm timber with 12.5mm p/b and skim both sides. All partitions to be insulated with 100mm rockwool insulation.

The new blockwork/brickwork to be tied to the existing brickwork via Catnic Stronghold wall connectors and weather sealed with a pre-compressed sealing strip or polymer-based sealant applied behind the wall connector or block bond 3 in and 3 out.

Foundation blocks to be used upto g/l. Cavity to be filled with weak concrete mix upto g/l.

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Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG received a standard diet (SD) and the EG received a high-fat diet (HFD). The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG received a standard diet (SD) and the EG received a high-fat diet (HFD). The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG received a standard diet (SD) and the EG received a high-fat diet (HFD).

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D).

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10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

10. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

Suitable Catnic lintols to be provided over the rear and front openings of the covered way. CH90/125. protect with Masterboard 9mm thick and screwed to underside of lintols.

FOUNDATION

To be 150mm thick by a min. 600mm wide concrete and a min. 750mm below finished g/l, but below any drain invert level within 1m of the foundations, and taken below any drain passing through foundation trench. Foundation blocks to be used below g/l.

GROUND FLOOR

Existing.

FIRST FLOOR

T and g boarding 20mm thick onto 200mm x 63mm sc3 timber joists at 450mm centers with 150mm rockwool insulation in between joists. 12.5mm plasterboard and skim to ceilings.

Lateral restraint straps at 2 m centers and connected over 3 joists to be provided where the joists are running parallel to the wall.

Double joists to be positioned under timber partitions.

Timber strutting to be provided at mid span along the length of the span of the joists.

VENTILATION

Min. 1/20th floor area to all habitable rooms and to be provided by tilt and turn opening light windows.

Trickle vents min. 8000m².

Ventilation to the shower area to be via a mechanical extract fan @ a rate of 30 litres / sec and taken to external air.

DRAINAGE

New drains to be 100mm diameter underground quality Supersleeve, clay pipes, taken to the existing combined drains.

Rainwater gutter 110mm half round pvc and connected to 63mm diameter pvc r/w pipes.

New gulleys to be roddable.

All drains to be laid to min. 1 in 40 falls.

If ground conditions allow the surface water to be taken to soakaways a min. 5M from any building, and a min. 1m³ below drain invert level.

A rodding eye to be provided to the base of the soil and vent pipe.

The new drains to be 100mm diameter salt glazed and with flexible joints.

The new connections of the foul and surface water to be by junctions and by the use of band seal couplings.

PLUMBING

Above ground drainage to be 110mm diam. pvc with baths, bidets showers to be 40mm diam., and the whb's to be 34mm diam., all with approved type resealing traps. Top of the svp to have a cage fitted.

Central heating and hot water to be extended to the extension, but checked to make sure existing gas boiler is capable to take extra load. Owner to pass this information to the local authority before this work is carried out.

The svp to be extended a min. 900mm above opening windows and terminated with a durable cage.

GENERAL

Windows to all habitable rooms to be designed for escape purposes. Min. 800mm and max. 1.1m above the floor. Opening lights to be min. 750mm high and min. 450mm wide and minimum .33m² in area.

All electrical cables, gas pipes, telephone cables, water pipes to be laid at the correct depth and in accordance with the relevant regulations and codes of practice. The switches and sockets to be sited between 450mm and 1200mm from the finished floor level.

Electrical work to be carried out by an electrician registered with one of the Part P self-certification schemes.

Hot water pipes to be insulated with a min. of 40mm insulation

Any external lighting to work so that it extinguishes when there is enough daylight.

Before the proposed facing bricks and the roof tiles that are used a sample to be taken to the Planning Department for their approval before installing them.

The owner to deposit this information to the local authority before the boiler is installed if this is deemed necessary and a full set of operating and maintenance instructions left for the owner.

Details of the heating installation to be submitted to the Local Authority a min. 28 days before the works begin on site.

Smoke detector to be ceiling mounted and a min. 300mm from walls situated in the corridor adjacent the bedroom, and the first floor landing. All detectors to be interlinked and may have an independent power supply. If it does not have the extra supply then the system must be connected to the distribution board separate from the other power systems.

All materials to be installed, fixed, laid, in accordance with the manufacturer's recommendations.

Electrical work to be carried out by an electrician registered with one of the Part P self-certification schemes.

Glazing in the doors to be of safety glass.

DETACHED GARAGE.

ROOF

Rafters connected to wall plate and 25mm x 150mm ridge board.

Ceiling joists to bear onto wall plate.

Marley modern tiles on 25mm x 48mm slate battens on untearable felt on 150mm x 50mm timber rafters at 450mm centres and with 450mm x 50mm ceiling joists at 450mm centres.

The rafters and the ceiling joists to be supported on 100mm x 50mm wall plate fastened to the new blockwork, and 150mm x 50mm wall plates rawl bolted to the existing wall at max. centres of 750mm.

Wall plates to be 100mm x 50mm timber fastened to the blockwork. Holding down straps to be provided at max. 2m. centres.

Lateral restraining straps to be provided up the roofline and at ceiling level (floor level) to the gable walls at max. centres of 2m and connected over 3no rafters and joists. Provide 75x50mm noggins to restraint straps.

Holding down straps to be provided at max. 2m. centres.

Fascia board to be 200mm x 25mm timber or P.V.C.

Rainwater goods to be of P.V.C. and to be 100mm half round gutters and 63mm fall pipes and connected to the new gullies.

WALLS

External walls to be 100mm thick 7 newton blocks external grade. Where piers are situated the blockwork to be doubled up and bonded together with stainless steel ties and to be positioned at a min. 10/m² and every course up reveals and with a min. 50mm mortar bed.

Lintols to be Naylor 2no 150mm x 100mm concrete beams to the garage door opening.

DPC to be min. 150mm above finished g/l.

Foundation blocks to be used upto g/l.

FOUNDATION

To be 150mm thick by a min. 600mm wide concrete and a min. 750mm below finished g/l, but below any drain invert level within 1m of the foundations, and taken below any drain passing through foundation trench. Foundation blocks to be used below g/l.

DRAINAGE

New drains to be 100mm diameter underground quality Supersleeve, clay pipes, taken to the existing combined drains.

Rainwater gutter 110mm half round pvc and connected to 63mm diameter pvc r/w pipes.

New gulleys to be roddable.

All drains to be laid to min. 1 in 40 falls.

If ground conditions allow the surface water to be taken to soakaways a min. 5M from any building, and a min. 1m³ below drain invert level.

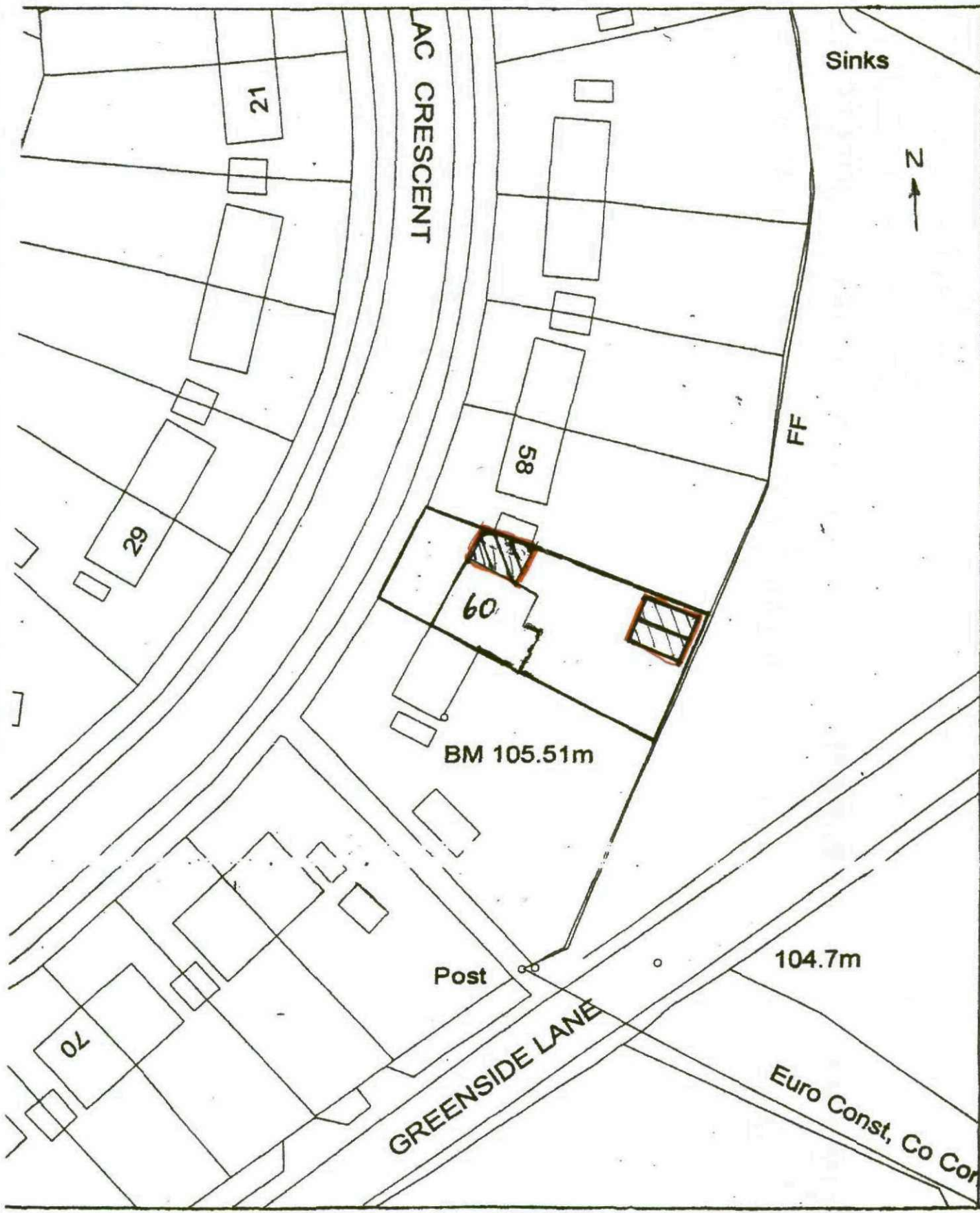
GENERAL

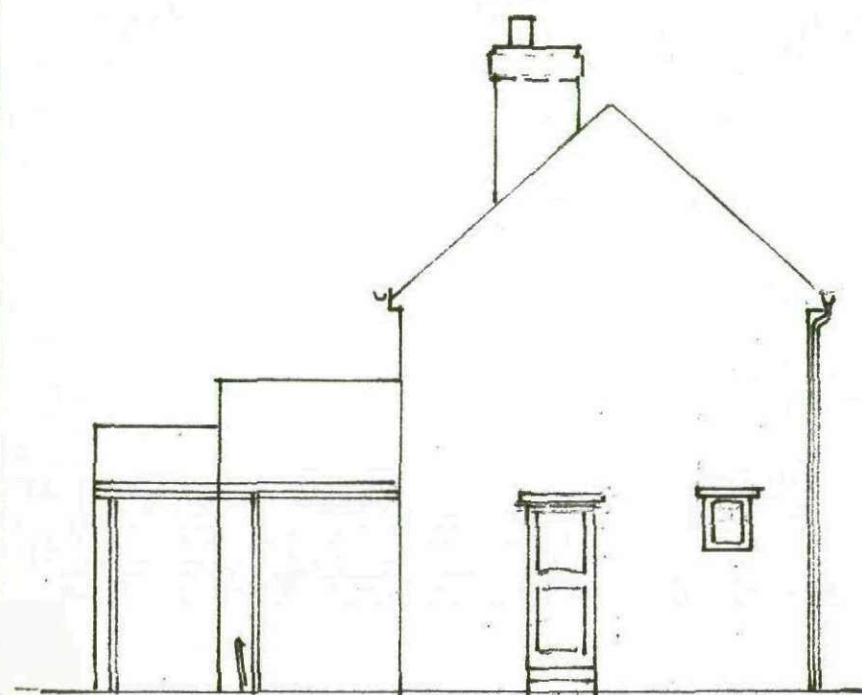
All materials to be installed, fixed, laid, in accordance with the manufacturer's recommendations.

All electrical cables, gas pipes, telephone cables, water pipes to be laid at the correct depth and in accordance with the relevant regulations and codes of practice. The switches and sockets to be sited between 450mm and 1200mm from the finished floor level.

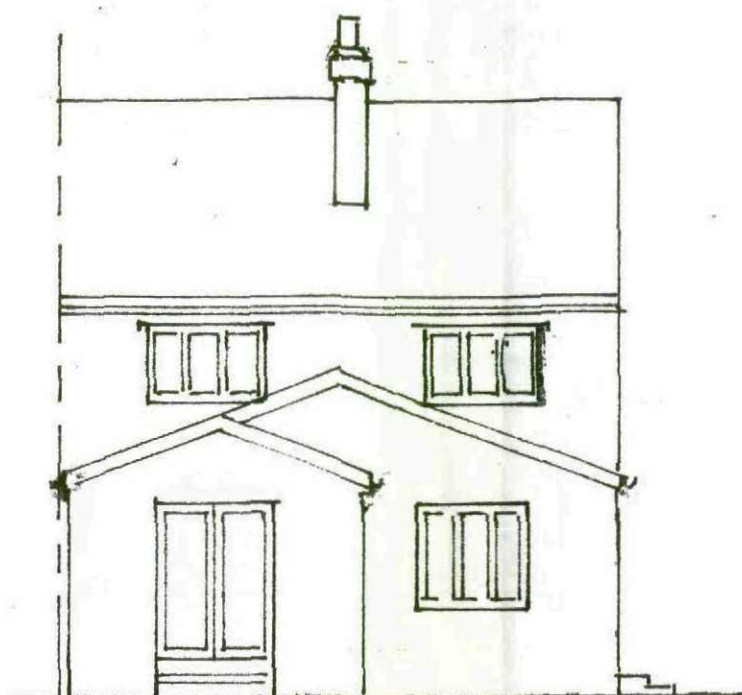
Electrical work to be carried out by an electrician registered with one of the Part P self-certification schemes. Internally a min. of 4 locations to be provided with lamps having efficient lighting of greater than 40 lumens per circuit-watt.

Before the proposed blockwork and the roof tiles that are to be used a sample to be taken to the Planning Department for their approval before installing them.

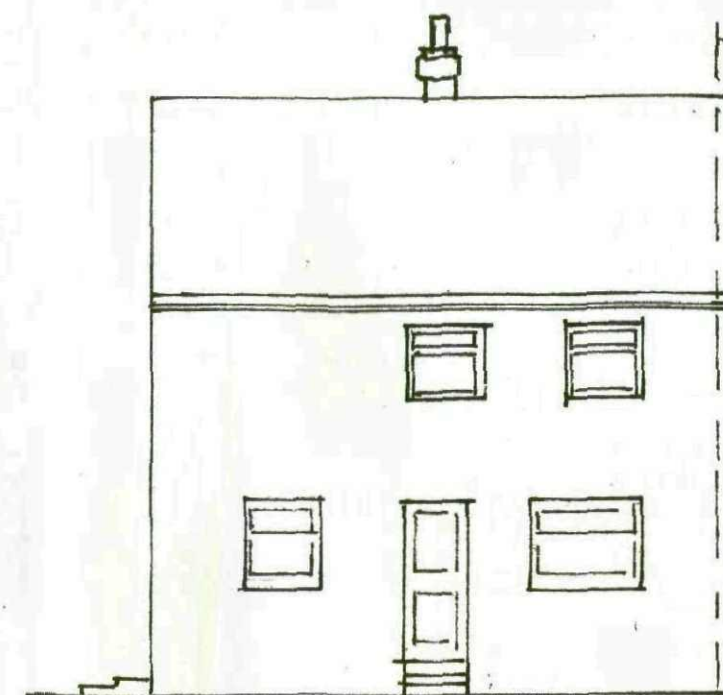




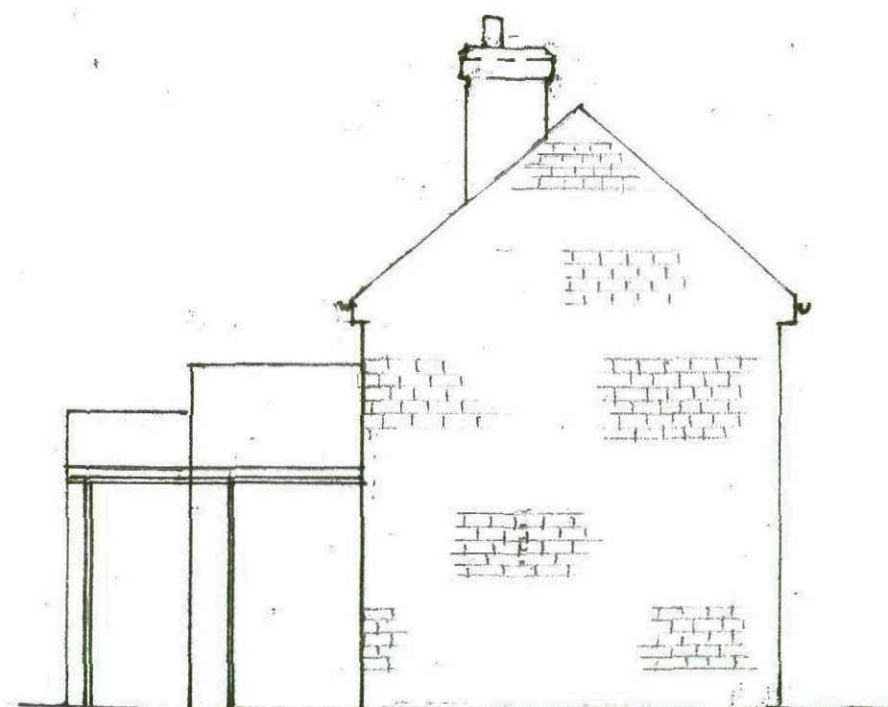
EXISTING SIDE ELEVATION



EXISTING REAR ELEVATION



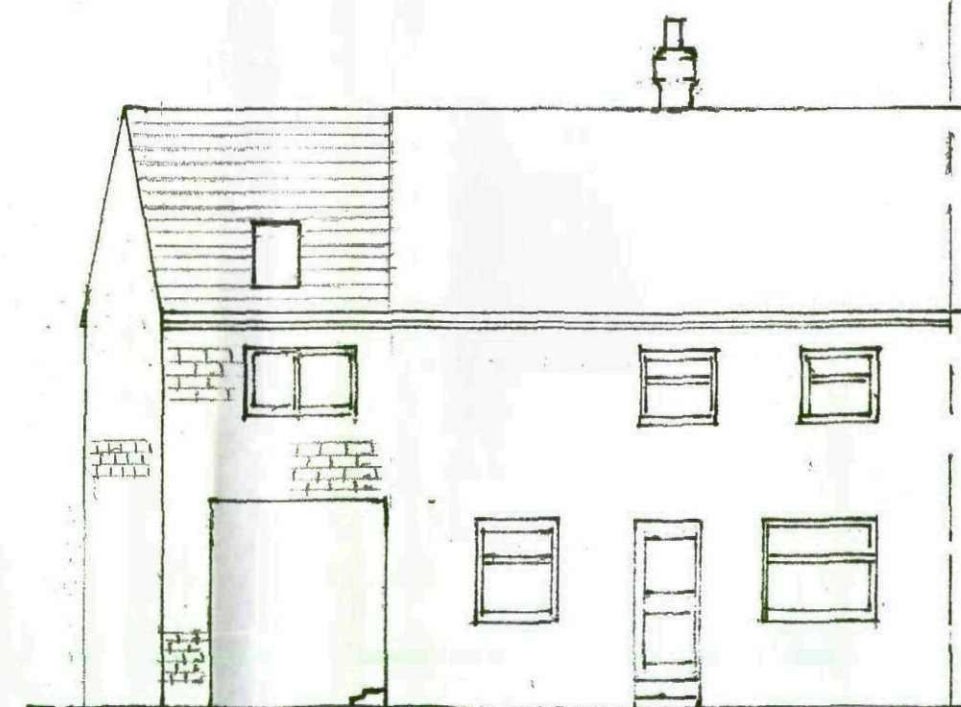
EXISTING FRONT ELEVATION



PROPOSED SIDE ELEVATION



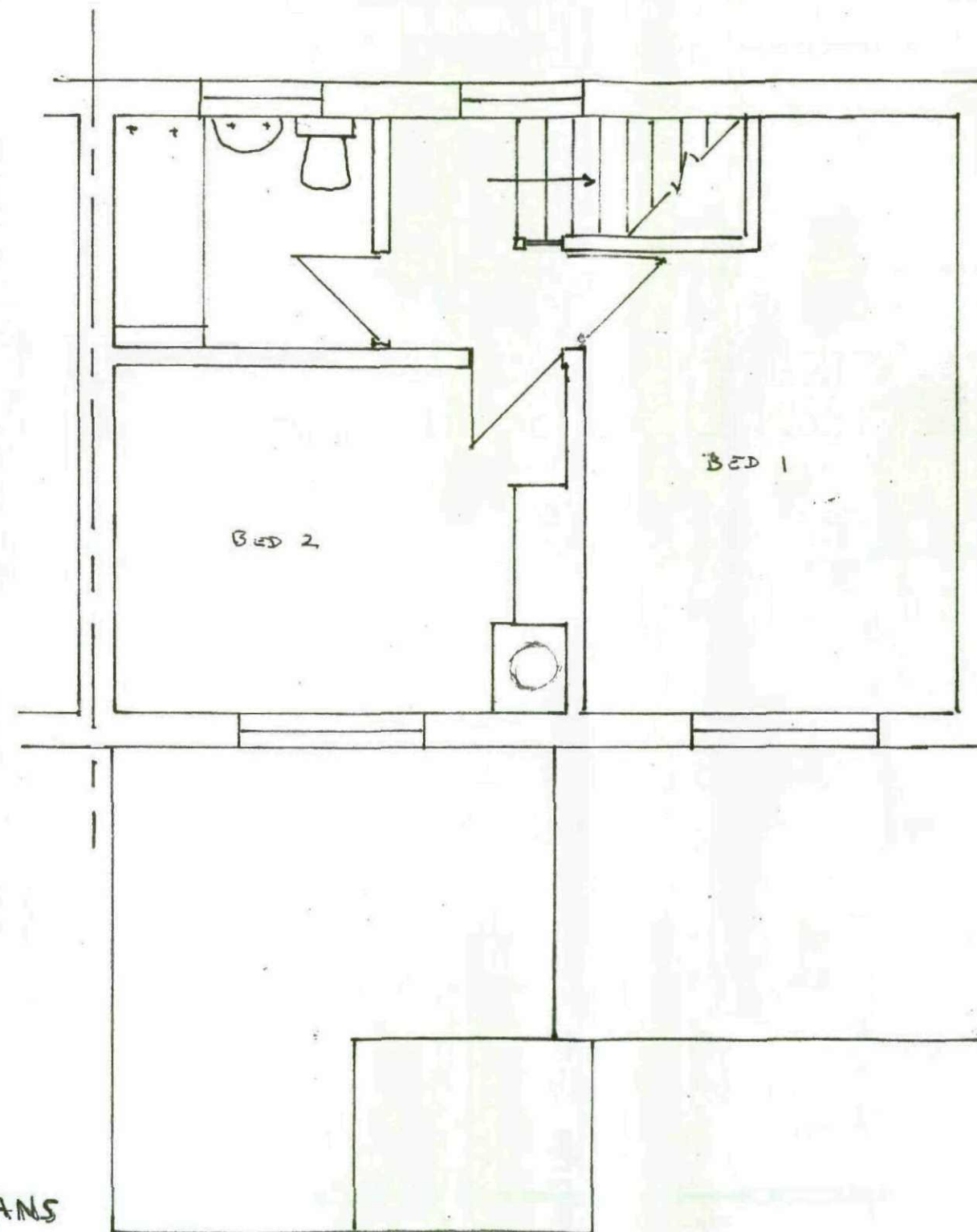
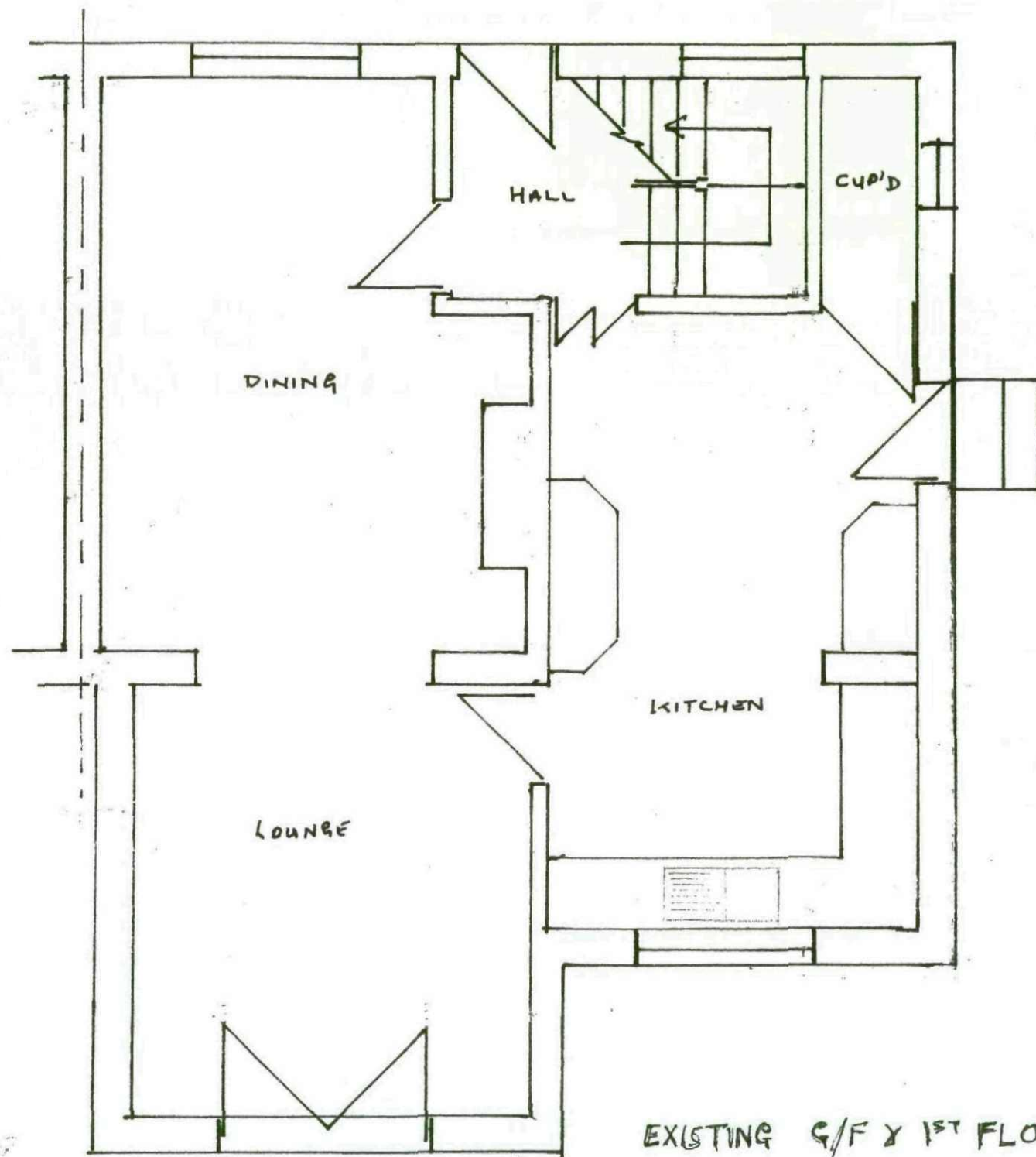
PROPOSED REAR ELEVATION



PROPOSED FRONT ELEVATION

These drawings and specifications are for Town Planning and Building Regulation purposes only.
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 Written dimensions should be in preference to scaling and measurements of existing buildings should be checked on site.
 All dimensions to be checked on site prior to commencement of work. Information given on this drawing is subject to Local Authority approval.
 All works are to be supervised by the contractor and any discrepancies are the sole responsibility of the contractor unless other persons are appointed as the supervising officer.
 All electrical works should be in accordance with I.E.E. regulations and be carried out by a competent person.
 IF IN DOUBT ALWAYS ASK.

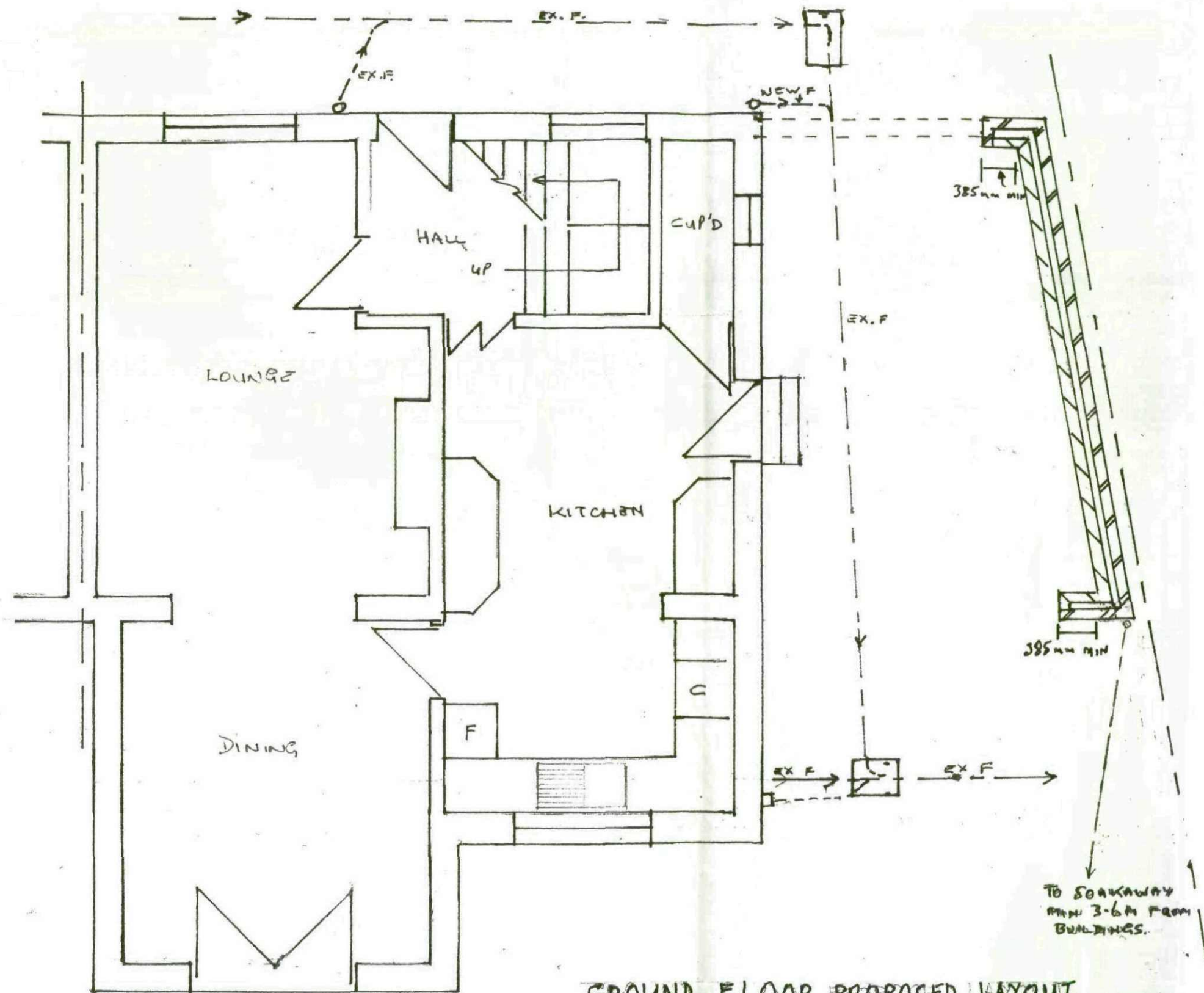
PROPOSED EXTENSIONS, AND GARAGE,
 FOR, MR. M. HEGYALJAI, AND
 MISS S. BELL, AT 60 LILAC CRESCENT,
 HOYLAND, BARNSELY. S74 9PW
 Scale 1 in 100 Date June 2011.



EXISTING G/F & 1ST FLOOR PLANS

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GROUND FLOOR PROPOSED LAYOUT

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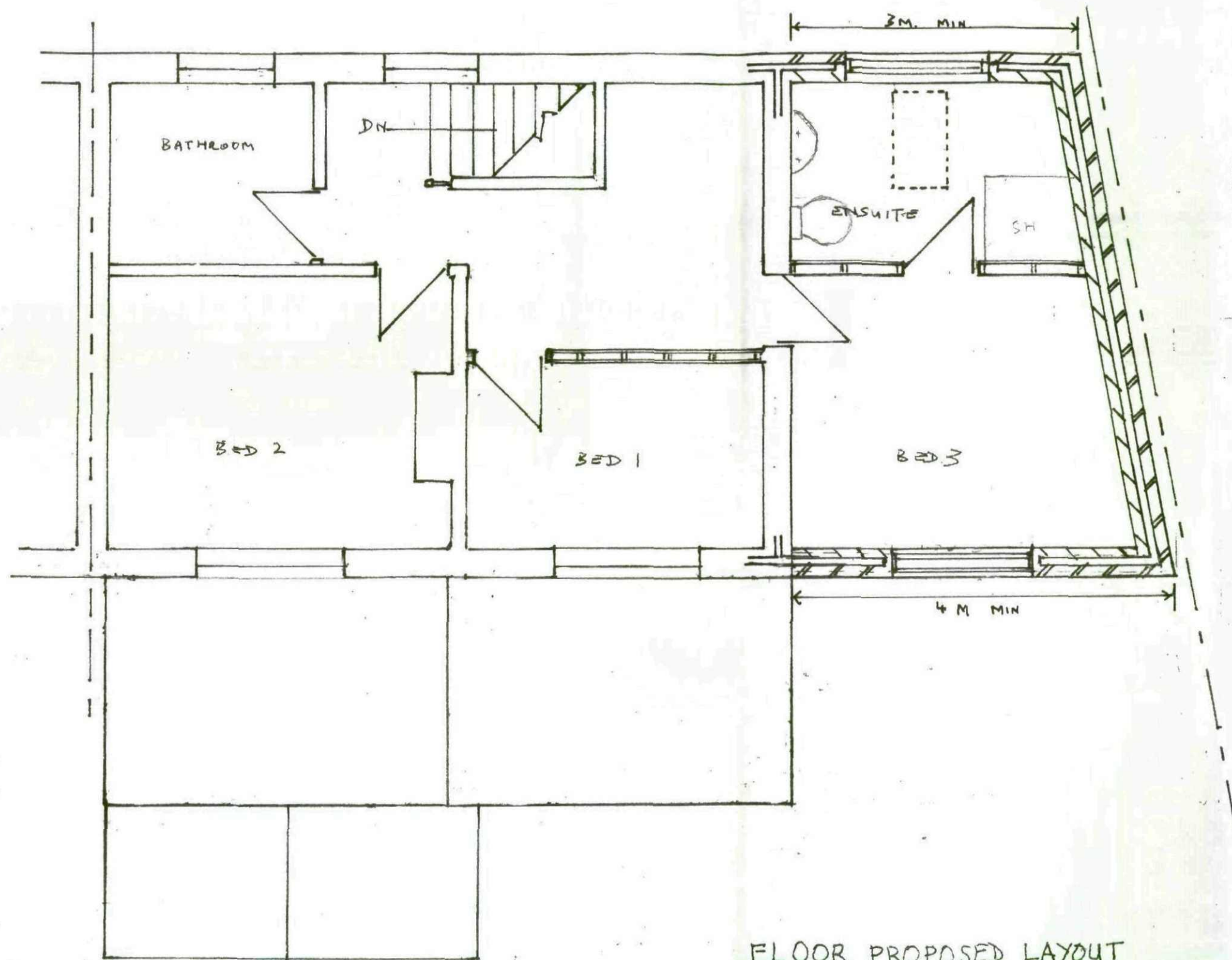
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FLOOR PROPOSED LAYOUT

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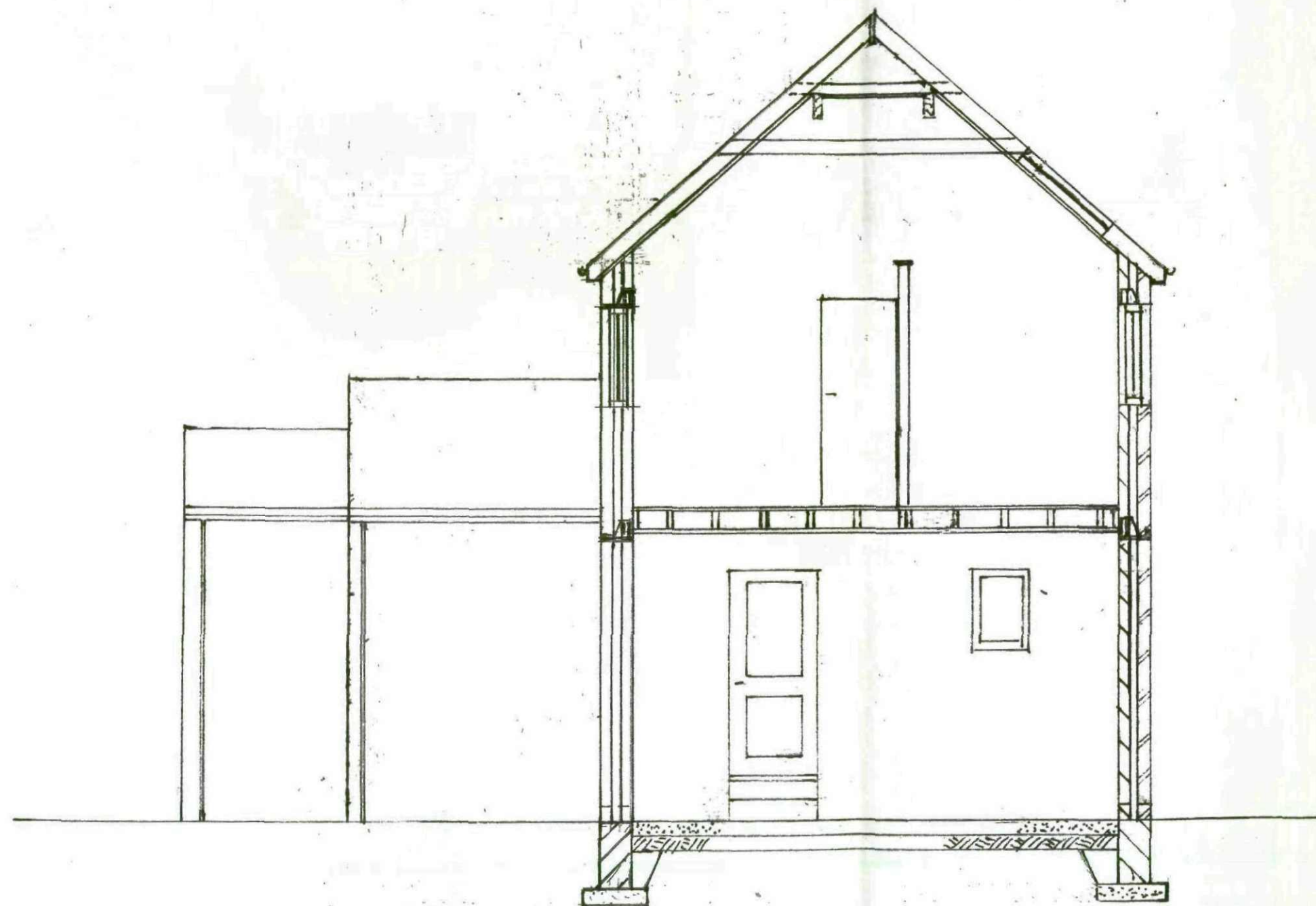
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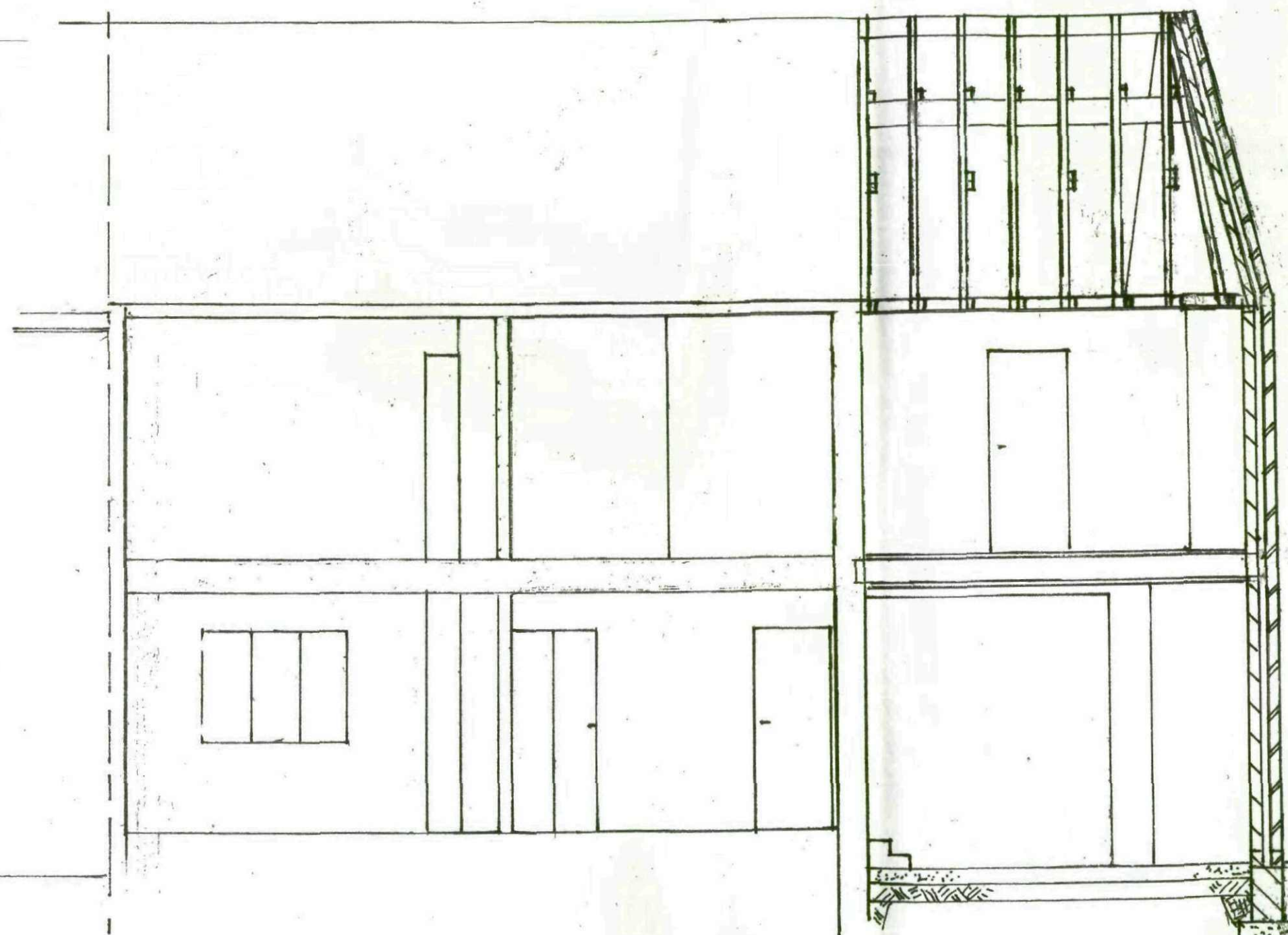
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SECTION THROUGH SIDE EXTENSION

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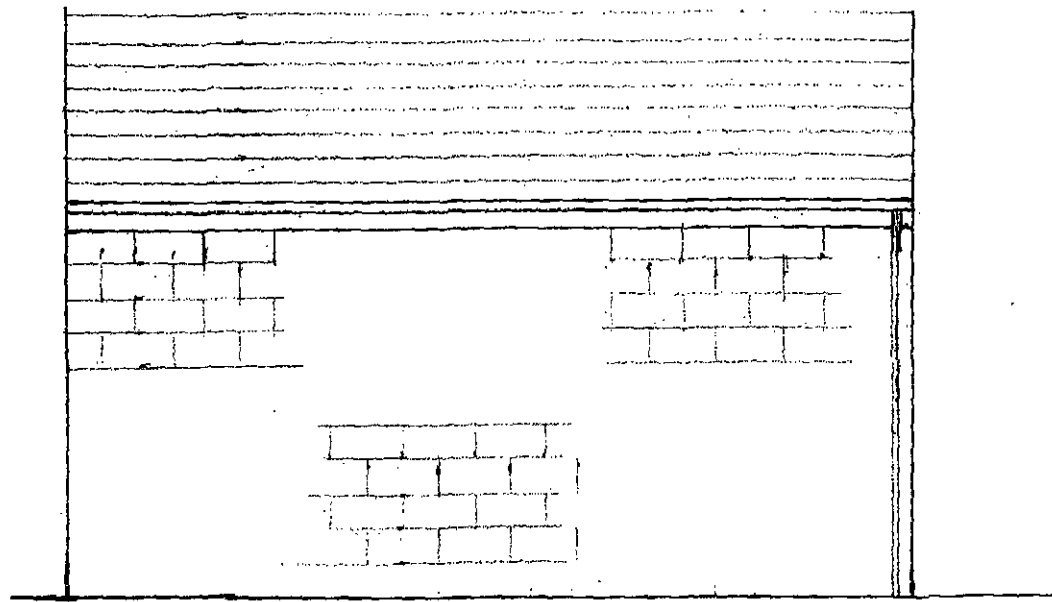
FLOOR JOISTS: 200 X 63 @ 450mm c/c

G.L.

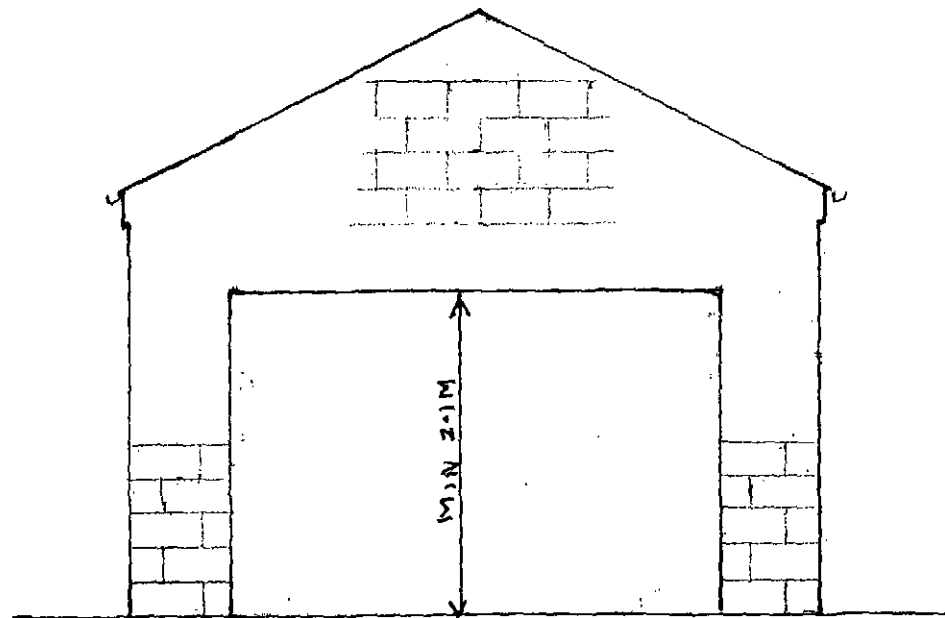
SECTION THROUGH

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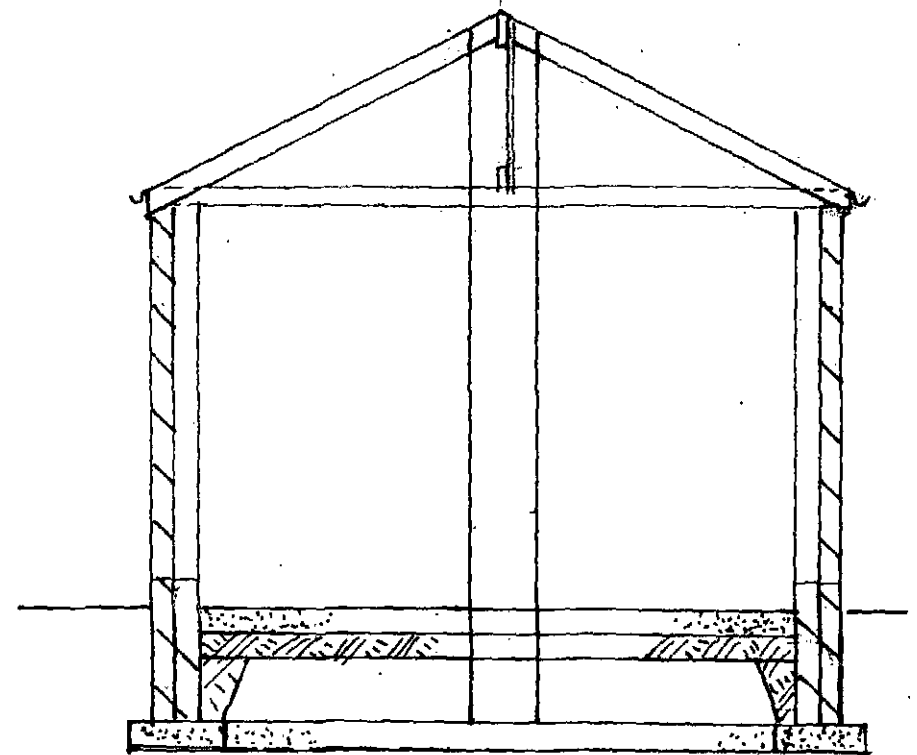
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SIDE ELEVATION



FRONT ELEVATION



SECTION