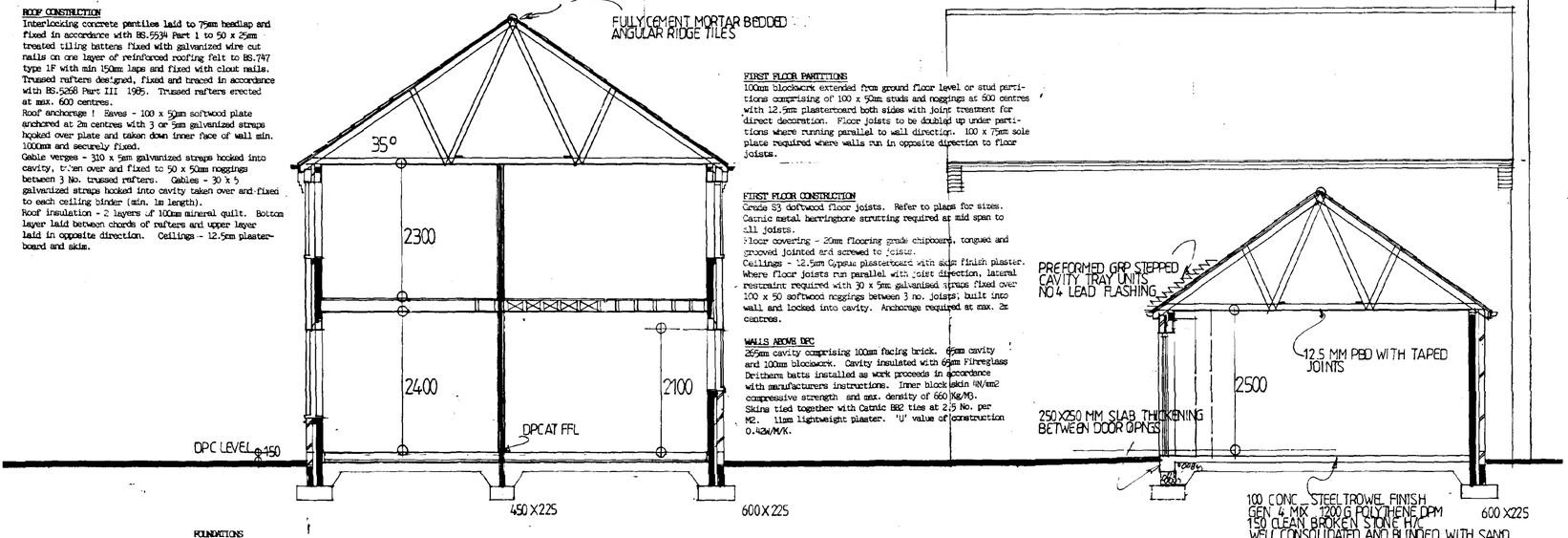
CROSS SECTION



ROOF CONSTRUCTION
Interlocking concrete pantiles laid to 75mm headlap and fixed in accordance with BS.5534 Part 1 to 50 x 25mm treated tiling battens fixed with galvanized wire cut nails on one layer of reinforced roofing felt to BS.747 type 1F with min 150mm laps and fixed with clout nails. Trussed rafters designed, fixed and braced in accordance with BS.5268 Part III 1985. Trussed rafters erected at max. 600 centres.
Roof anchorage ! Eaves - 100 x 50mm softwood plate anchored at 2m centres with 3 or 5mm galvanized straps hooked over plate and taken down inner face of wall min. 1000mm and securely fixed.
Gable verges - 310 x 5mm galvanized straps hooked into cavity, taken over and fixed to 50 x 50mm noggings between 3 No. trussed rafters. Gables - 30 x 5 galvanized straps hooked into cavity taken over and fixed to each ceiling binder (min. 1m length).
Roof insulation - 2 layers of 100mm mineral quilt. Bottom layer laid between chords of rafters and upper layer laid in opposite direction. Ceilings - 12.5mm plasterboard and skim.

FIRST FLOOR PARTITIONS
100mm blockwork extended from ground floor level or stud partitions comprising of 100 x 50mm studs and noggings at 600 centres with 12.5mm plasterboard both sides with joint treatment for direct decoration. Floor joists to be doubled up under partitions where running parallel to wall direction. 100 x 75mm sole plate required where walls run in opposite direction to floor joists.

FIRST FLOOR CONSTRUCTION
Grade S3 softwood floor joists. Refer to plans for sizes. Cazmic metal herringbone strutting required at mid span to all joists.
Floor covering - 20mm flooring grade chipboard, tongued and grooved jointed and screwed to joists.
Ceilings - 12.5mm Gypsum plasterboard with skim finish plaster. Where floor joists run parallel with joist direction, lateral restraint required with 30 x 5mm galvanised straps fixed over 100 x 50 softwood noggings between 3 no. joists, built into wall and locked into cavity. Anchorage required at max. 2m centres.

WALLS ABOVE DPC
265mm cavity comprising 100mm facing brick. 65mm cavity and 100mm blockwork. Cavity insulated with 65mm Fibreglass Deltherm batts installed as work proceeds in accordance with manufacturers instructions. Inner block skin 4N/mm2 compressive strength and max. density of 660 Kg/M3. Skins tied together with Cazmic BB2 ties at 2.5 No. per M2. 11mm lightweight plaster. 'U' value of construction 0.45W/M.K.

FOUNDATIONS
600 x 225mm strip under external walls and 450 x 150mm under internal walls. Concrete mix Ge.3. Excavation min. 600mm below finished ground/paving levels or lm if clay encountered or to satisfaction of Local Authority.

DAMP PROOF COURSES
Pitch polymer dpc's to both skins of hollow walls. Outer dpc minimum 150mm above finished paving levels and to internal walls at floor level.
WALLS BELOW DPC
External walls comprising two skins of 100mm masonry blocks min. 7/N/mm2 compressive strength. 65 cavity filled with fine concrete up to 150mm below lowest dpc level.
FLOOR CONSTRUCTION
150mm concrete site slab (Gen. 4 mix) with power float finish to receive floor covering 38mm expanded polystyrene (SD Grade) insulation panels with taped joints. 1200 gauge polythene damp-proof membrane turned up at edges to link with main wall dpc. 25mm strips of insulation at floor edges to avoid cold bridging.
FOUNDATIONS
600 x 225mm strip under external walls and 450 x 150mm under internal walls. Concrete mix Ge.3. Excavation min. 600mm below finished ground/paving levels or lm if clay encountered or to satisfaction of Local Authority.
PLUMBING NOTES
Bath and wash basins - 76mm deep seal traps with 40 and 35mm dia, wastes to soil or vent stack/external gullies as indicated. WC's with turned 'P' traps to soil and vent pipes. Lowest waste connection to S.V.P. at least 450 above drain invert. Sinks with 76mm deep seal traps and 40 dia. wastes to external gullies. Where combined wastes used - 55mm min. dia. required. Sinks - 76mm deep deal traps with 40 dia. waste to s.v.p. or external gulley as shown.
VENTILATION REQUIREMENTS
Habitable rooms - opening lights min. 1/20th of floor area with trickle vents in heads providing min. 8000 mm2 of free background vent. Kitchen and Utility Room - openable windows providing rapid ventilation and trickle vents in heads min. 4000mm2 of background vent. In addition extractor fans manually operated extracting at a rate of 60 litres and 30 litres per second respectively. Bathroom - all as for Kitchen but extractor fan vent rate min. 15 litres per second.
Ensuite with no openable window - extractor fan providing min. 3 air changes per hour with 15 mins overrun after usage and operated with lighting circuit. In addition fan capable of manual operation overide to extract at rate of 15 litres per second.
CONSERVATION OF FUEL AND POWER
Doors and window frames to be draught sealed in accordance with diagram 4 (Part L1) Frame perimeters sealed externally with proprietary sealant. Loft hatch cover set in rebated frame with draught seal.
SPACE HEATING SYSTEM CONTROLS
Zone controls - radiators fitted with thermostatic valves. Timing controls - time clock to be provided to control the periods of operation. Boiler control interlocks - thermostatic radiator valves to be filled with flow control devices to prevent boiler cycling.
HOT WATER STORAGE SYSTEM CONTROLS
Thermostat to be provided to h.w. cylinder to shut off heat sypply, when storage temperature reached and to switch off boiler when no heat is required. Boiler time clock enables supply of heat to be shut off for periods when water heating is not required.
PIPES AND DUCT INSULATION
Hot water pipes and ducts (not contributing to space heating) to be insulated in accordance with Clause 1.39 Part L i.e. insulation material with thermal conductivity of min. 0.045W/M/K with min. thickness equal to outside diameter of pipe up to max of 40mm.

A ADDITIONAL INFORMATION SPECIFICATION NOTES ADDED 8.12.99
B GARAGE INCREASED IN WIDTH 11:1:00

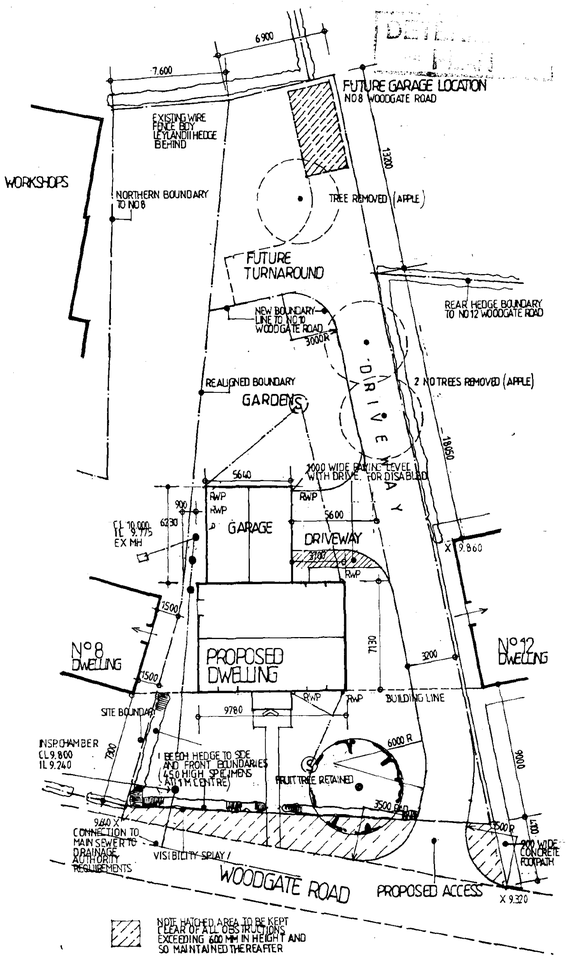
SOUTH HOLLAND DC HOUSING & PLANNING 12 JAN 2000 Ref: 1139/99

Client: CASTLE BUILDING LTD
Job Title: PROPOSED DWELLING 10 WOODGATE ROAD MOULTON CHAPEL SPALDING

Morley Newborn architectural technicians
16a Portland Street Lincoln LN5 7JX Tel. Lincoln (0522) 542589 Fax. No. (0522) 530652

Date NOVEMBER 1999 Scale 1:50
Drawing No. 1554/99-2 A|B

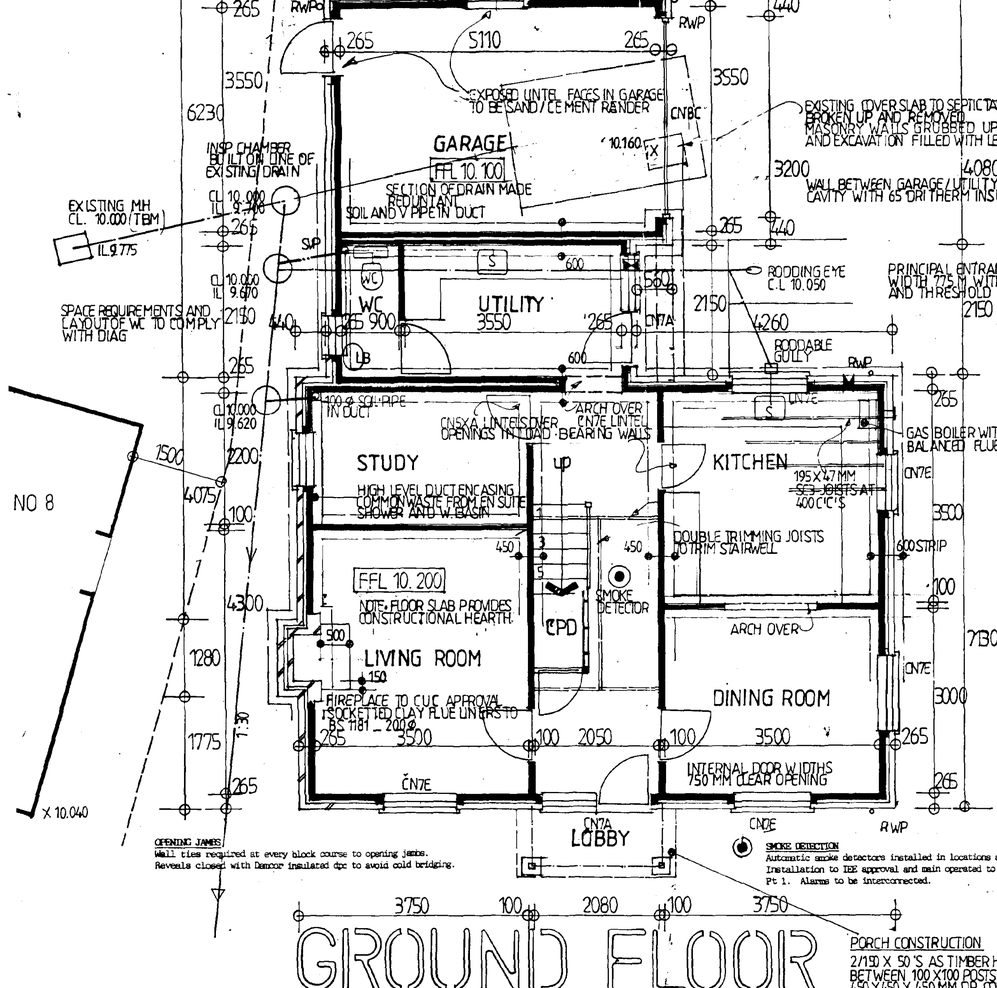
DRAINAGE NOTES
100mm surface water and foul drains in upvc to BS4660 laid in trenches to falls as indicated with bedding as specified in diagram 9 of Part H1. Inspection chambers m/e 1000mm depth to be 450 dia. GRP set on 100mm concrete base and with 450 dia. galvanised cover and frame. Where drains penetrate foundation walls, lintels to be provided with 50mm clearance all round pipe and sealing both sides with rigid material to prevent fill or vermin entry.



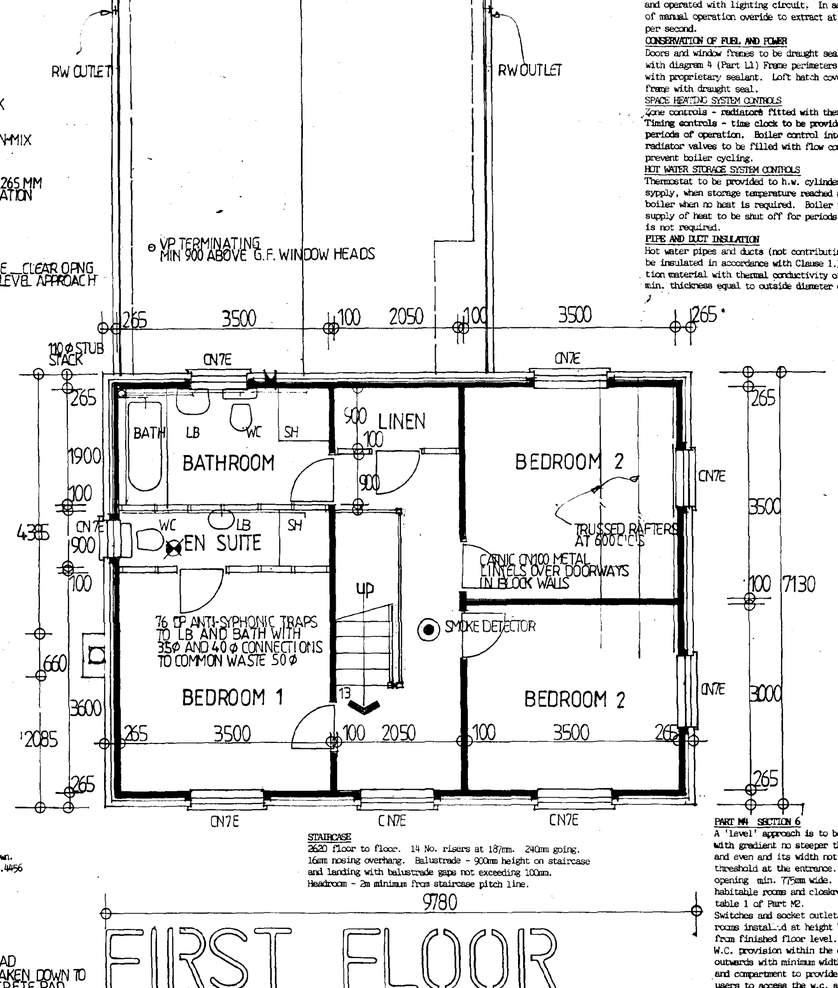
NOTE HATCHED AREA TO BE KEPT CLEAR OF ALL OBSTRUCTIONS EXCEEDING 600 MM IN HEIGHT AND SO MAINTAINED THEREAFTER

BLOCK PLAN

1:200



GROUND FLOOR



STAIRCASE
2620 floor to floor. 14 No. risers at 187mm. 240mm going. 16mm nosing overhang. Balustrade - 900mm height on staircase and landing with balustrade gaps not exceeding 100mm. Headroom - 2m minimum from staircase pitch line.

PART M4 SECTION 6
A 'level' approach is to be provided to the principal entrance with gradient no steeper than 1 in 20 with surface firm and even and its width not less than 900mm with accessible threshold at the entrance. Minimum entrance door clear opening min. 775mm wide. Clear opening widths of doorways habitable rooms and cloakroom to be in accordance with table 1 of Part M2.
Switches and socket outlets for lighting etc. in habitable rooms install.d at height between 450mm and 1200mm height from finished floor level.
W.C. provision within the entrance storey. Door to open outwards with minimum width in accordance with table 1 and compartment to provide a clear space for wheelchair users to access the w.c. and the wash basin positioned so that it does not impede access in accordance with diagrams 24 and 25 Section 10 of approved document M2(1)

FIRST FLOOR

SOUTH KESTEVEN DC
HOUSING & PLANNING
12 JAN 2000
Ref: 1139/99

APPROVED PLANS
Pos.

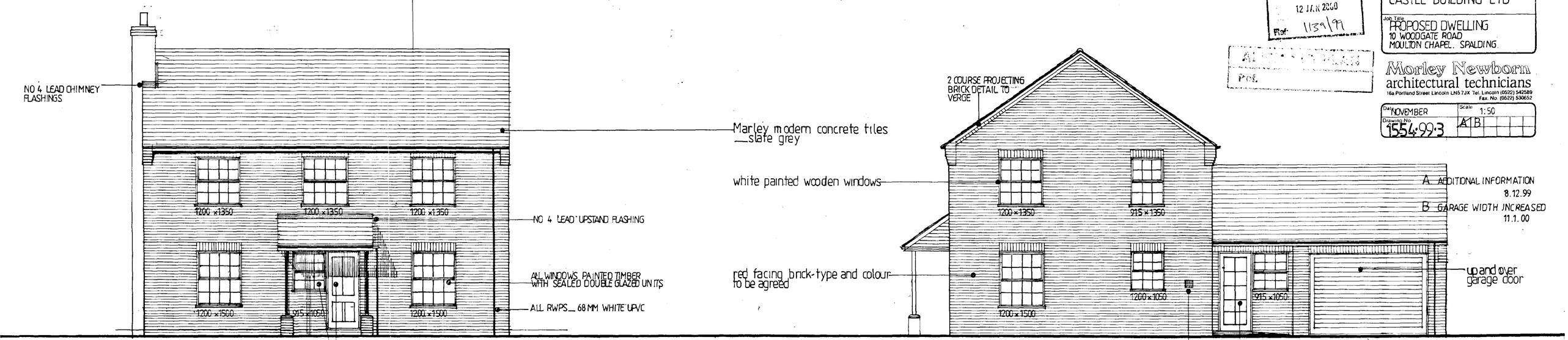
Client
CASTLE BUILDING LTD

Job Title
PROPOSED DWELLING
10 WOODGATE ROAD
MOULTON CHAPEL. SPALDING.

Morley Newborn
architectural technicians
16a Portland Street Lincoln LN5 7JX Tel. Lincoln (0522) 542589
Fax. No. (0522) 530652

Date NOVEMBER
Scale 1:50
Drawing No. 1554.99.3
A B

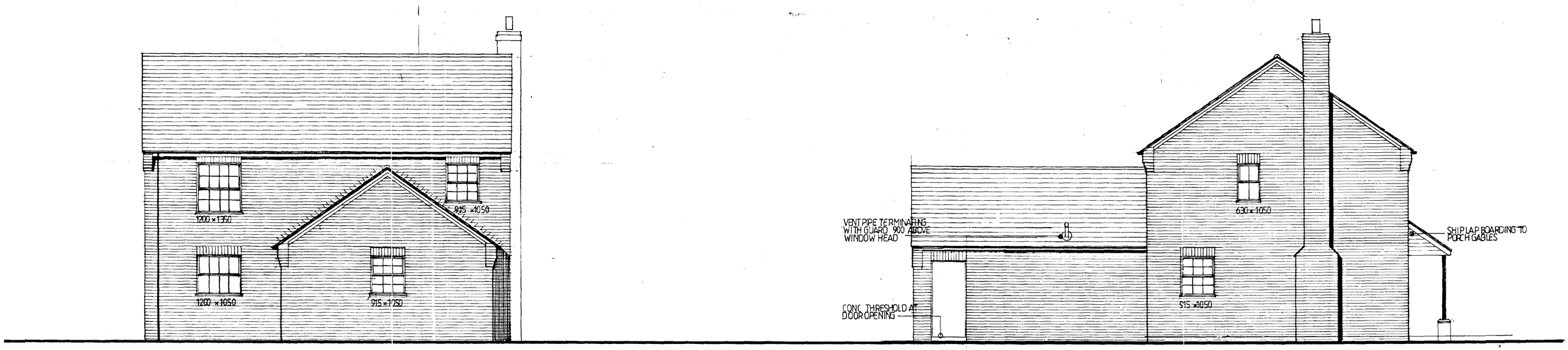
A ADDITIONAL INFORMATION 8.12.99
B GARAGE WIDTH INCREASED 11.1.00



WEST

SOUTH

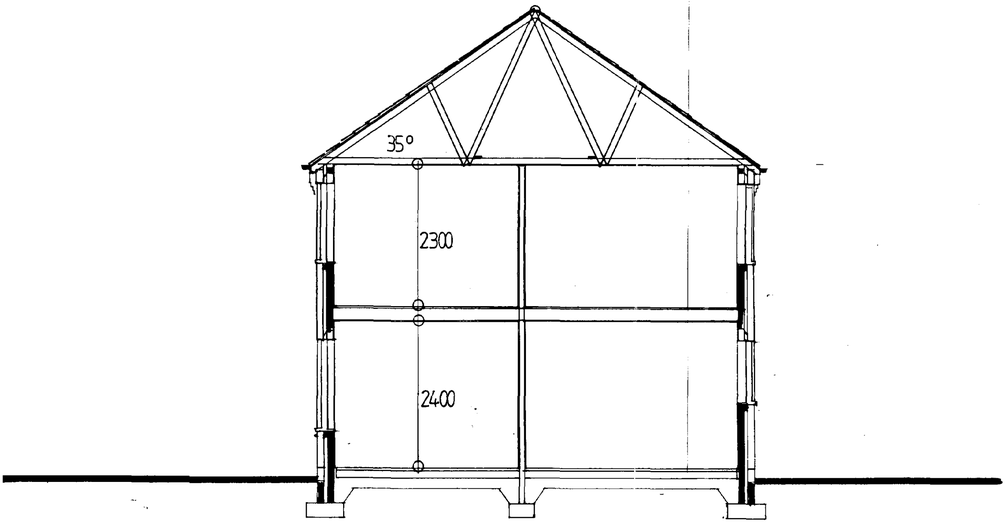
DETERMINATION PLAN

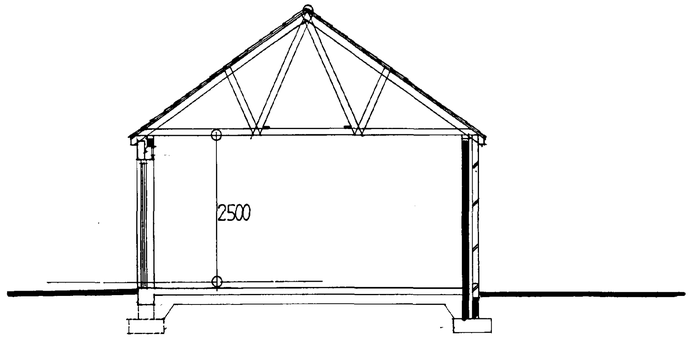


EAST

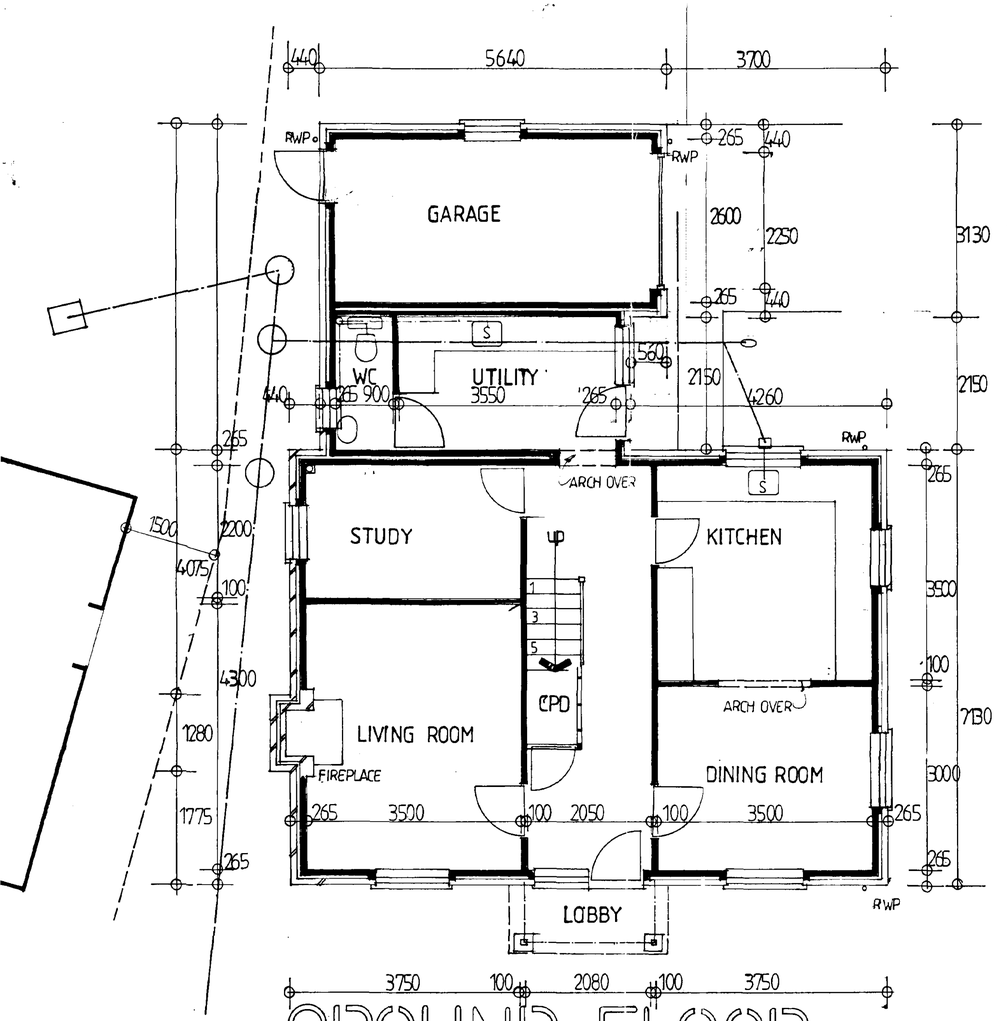
NORTH

CROSS SECTION

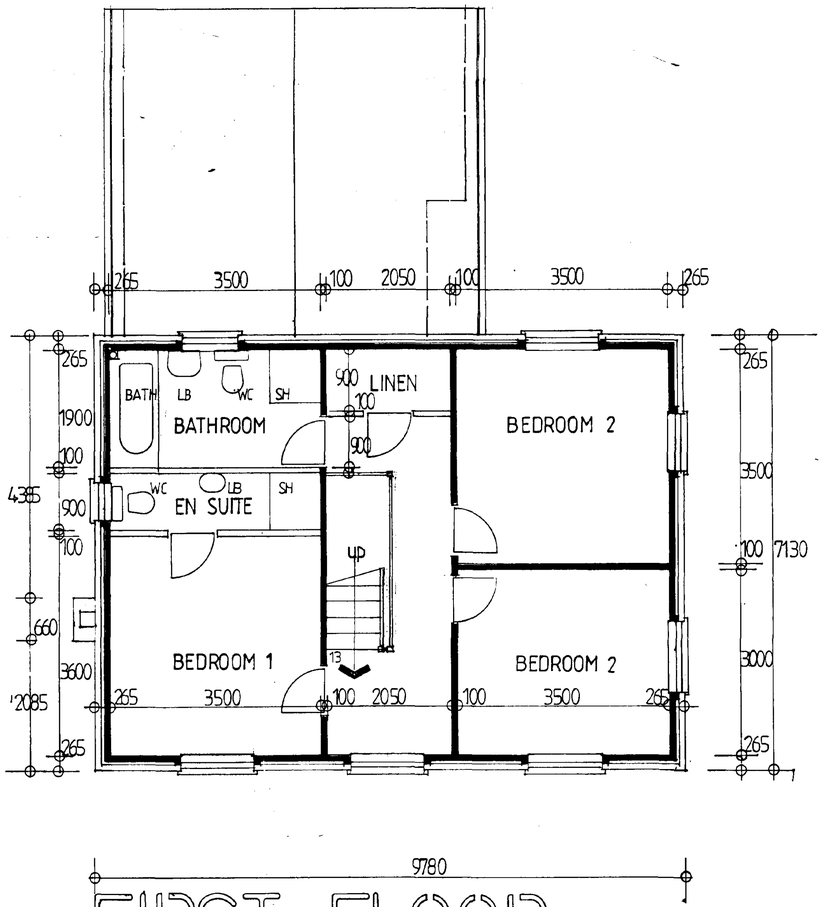




GARAGE



GROUND FLOOR



FIRST FLOOR

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architectural technicians
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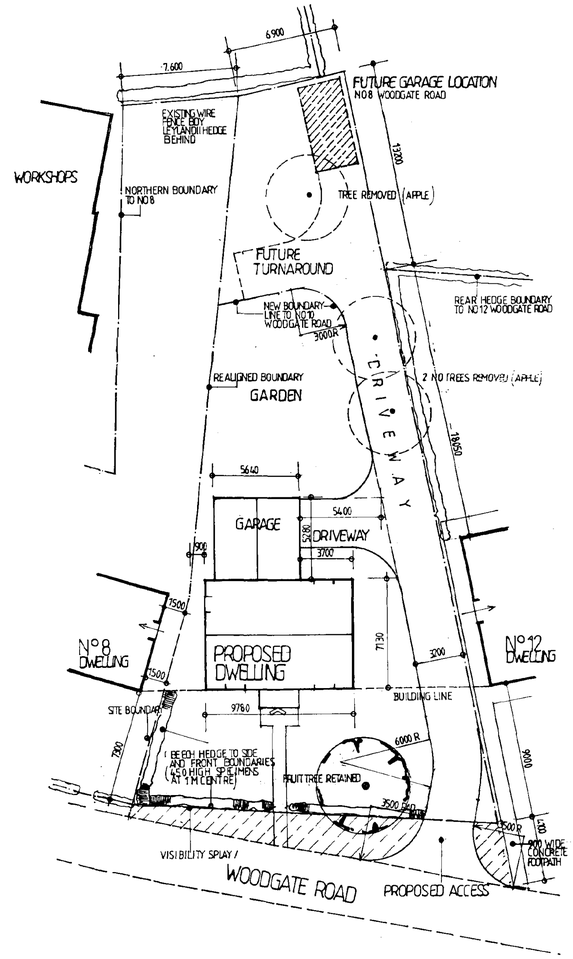
Date NOVEMBER 1999	Scale 1:50
Drawing No. 1554.99.2	



BLOCK PLAN

1:200

SUBMITTED TO HOUSING & PLANNING
10 NOV 1999
Ref: 1/59/99

Client
CASTLE BUILDING LTD

Job Title
PROPOSED DWELLING
10 WOODGATE ROAD
MOULTON CHAPEL. SPALDING.

Morley Newborn
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Date NOVEMBER
Scale 1:50
Drawing No. 1554.99.3



WEST

Marley modern concrete tiles —slate grey

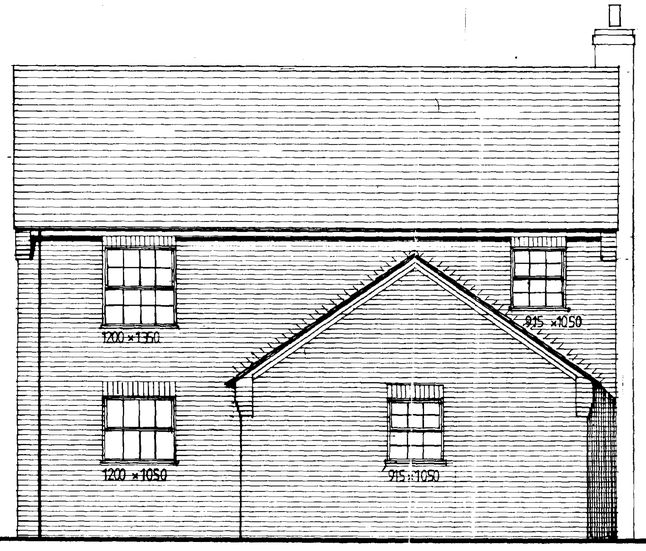
white painted wooden windows

red facing brick-type and colour to be agreed

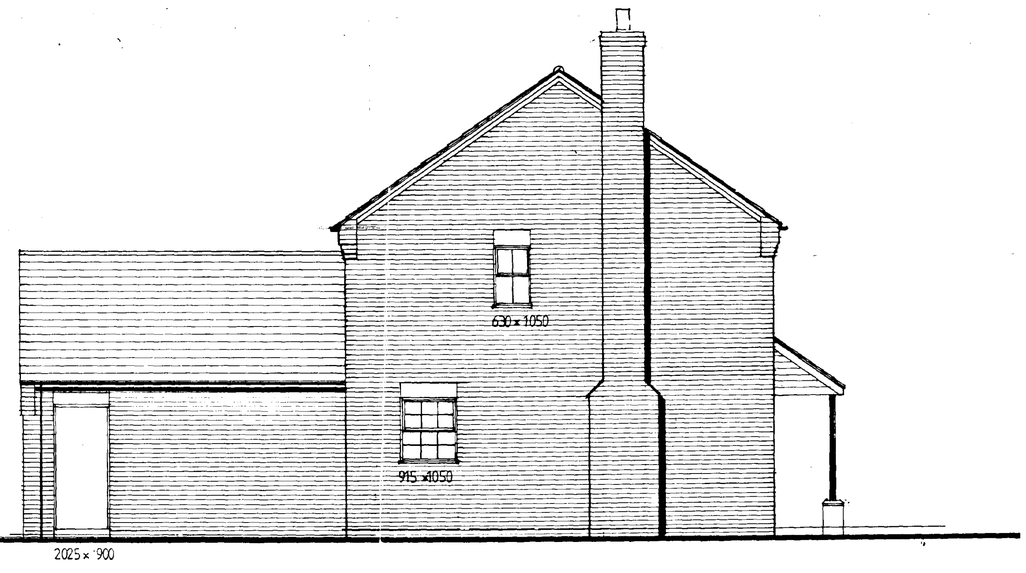


up and over door

SOUTH



EAST



NORTH