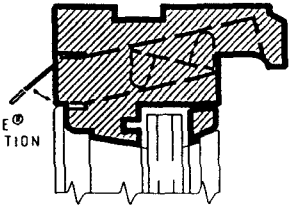
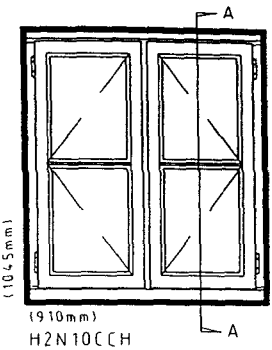


HEADLINE® VENTILATION SYSTEM

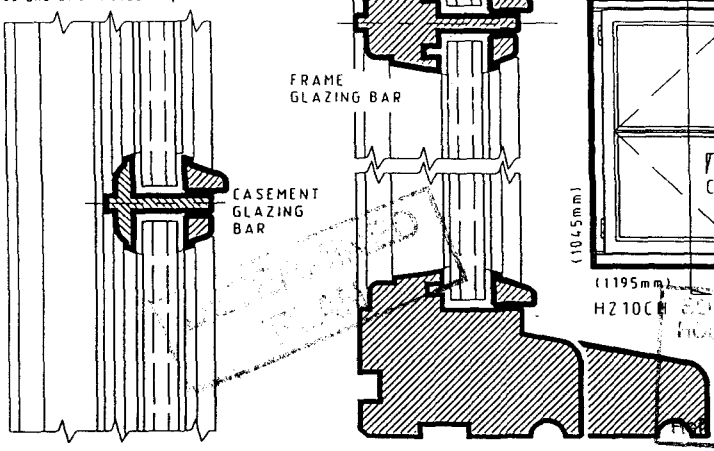


NOTE : This detail sheet should be read in conjunction with current Boulton & Paul Literature.



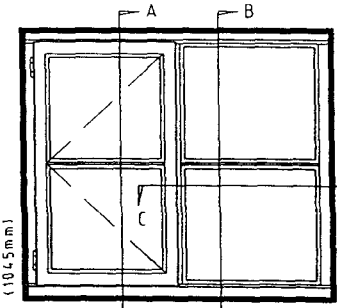
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Every effort has been made to ensure the accuracy of this information. In the interest of progress however, we reserve the right to modify designs and drawings as and when necessary.



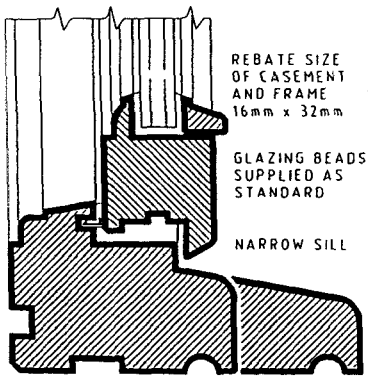
REBATES ALLOW FOR EITHER SINGLE OR (4:6:4) DOUBLE GLAZING

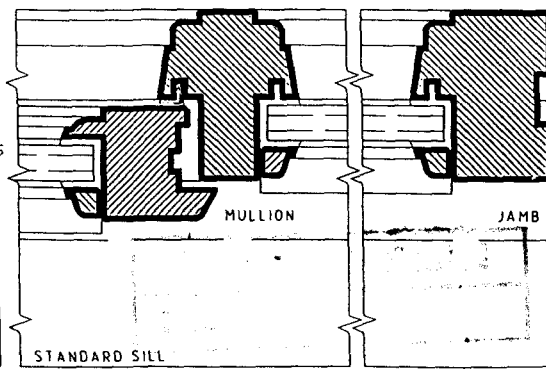
Section : B B



HZ10CB

- 5 DEC 1998
0775/98





Section : A A

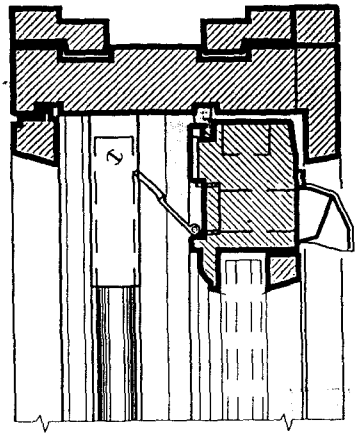
Section : C C

Architects Details

BOULTON & PAUL

Sovereign : Casement Window Horizontal Bar

Scale :	Half full size
Ref No	AD/830/792



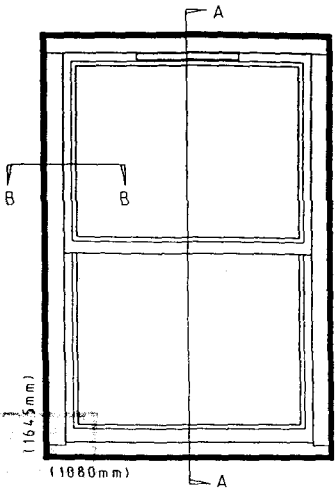
REBATES ALLOW FOR EITHER SINGLE OR (4 6 4) DOUBLE GLAZING

STANDARD LINING 1650 HIGH FRAME

STANDARD LINING 1350 AND 1050 HIGH FRAMES

WEATHERSTRIPPED SASH TOP RAIL WITH FINGERTIP RECESS

TRICKLE VENTILATION AS STANDARD ON WINDOWS 635mm WIDE AND ABOVE



DH1016

LOCKABLE FITCH CATCH

GLAZING BEADS SUPPLIED AS STANDARD

NOTE This detail sheet should be read in conjunction with current Boulton & Paul Literature.

WEATHERSTRIPPED MEETING RAIL WITH CONCEALED HOOK KEEP

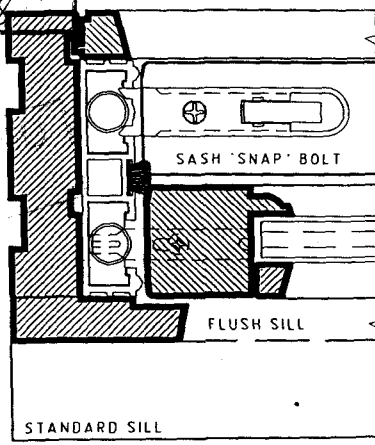
CONSULT YOUR LOCAL BUILDING CONTROL DEPARTMENT
- 3 DEC 1998
Ref: 0715/98

Every effort has been made to ensure the accuracy of this information. In the interest of progress however, we reserve the right to modify designs and drawings as and when necessary.

SASH REBATE SIZE 16mm x 32mm

uPVC JAMB LINER AND SASH STOP

FLUSH SILL



Section A A

Section B B

Architects Details

BOULTON & PAUL

SLIDING SASH

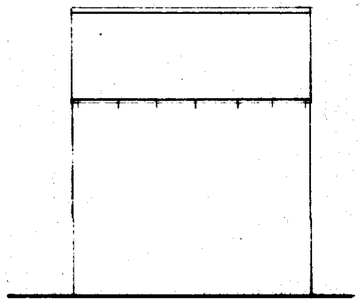
Softwood Windows

Non Bar

Scale :	Half full size
Ref No	AD/110/095

1:100 SCALE

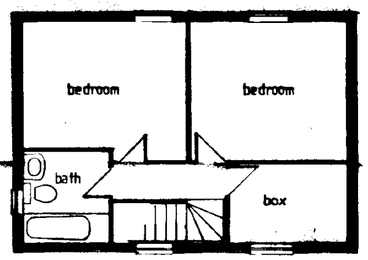
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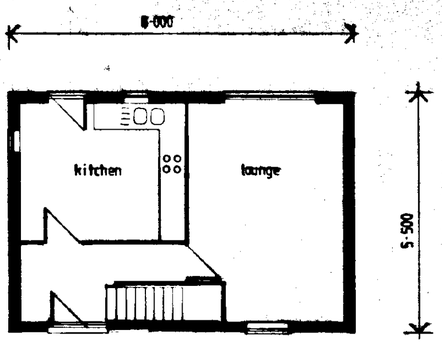
SIDE ELEVATION



REAR ELEVATION



FIRST FLOOR

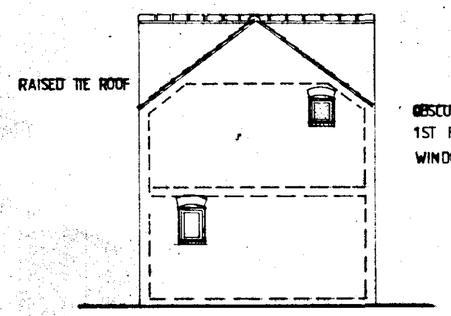


GROUND FLOOR

TERRACOTTA RECLAIMED PANTILES



FRONT ELEVATION



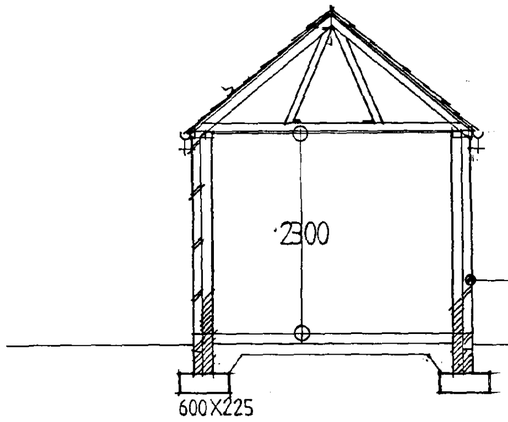
SIDE ELEVATION

SOUTH HOLLAND DC
HOUSING & PLANNING
30 JUL 1998
Ref: 775/98

COOPER ARCHITECTURAL DESIGN
BRONAVON, HOCKLESGATE,
FLEET, SPALDING, LINC'S PE12 8LF
Tel/Fax : 01406 423762

PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

PLOT 1



CLAY TILES 50X 25 TREATED BATTENS
LAYER OF UNTEARABLE FELT TYPE 1F
TO BS 747. PREFABRICATED TRUSS
RAFTERS AT 600 C/C'S. 12.5 MM PLYWITH
TAPED/STAGGERED JOINTS

100 MM HR BLACK UPVC
SUPPORTED ON RISE
AND FALL BRACKETS

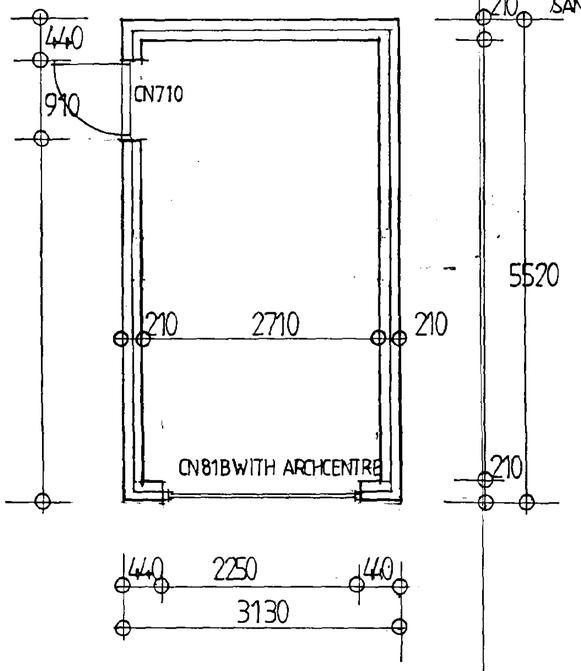
210 WALL — 100 FACING
BRICK 100 BLOCK INNER
WALL LEAF

FULL WIDTH PITCH POLYMER DPC
150 ABOVE FIN G. LEVEL

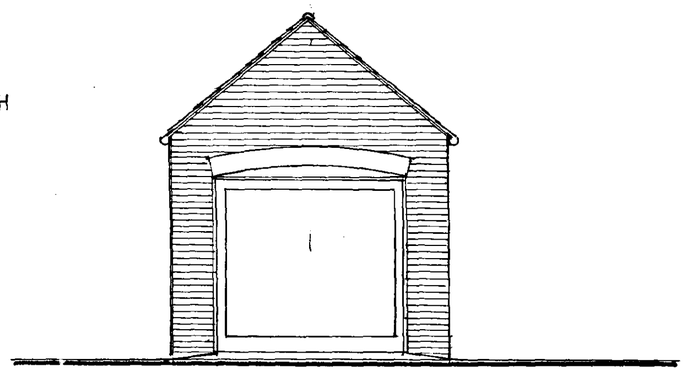
EXC. FOR FDNS MIN 750 BELOW
FIN GL OR TO SATISFACTION OF L.A
GEN 3 DESIGNATED MIX

100 GEN 4 CONC. 1200GAUGE POLYTHENE
DPM TURNED UP AT EDGE TO LINK WITH WALL DPC
150 MM H.T.C OF CLEAN BROKE BLINDED WITH
SAND FOR PERIMETE

SECTION

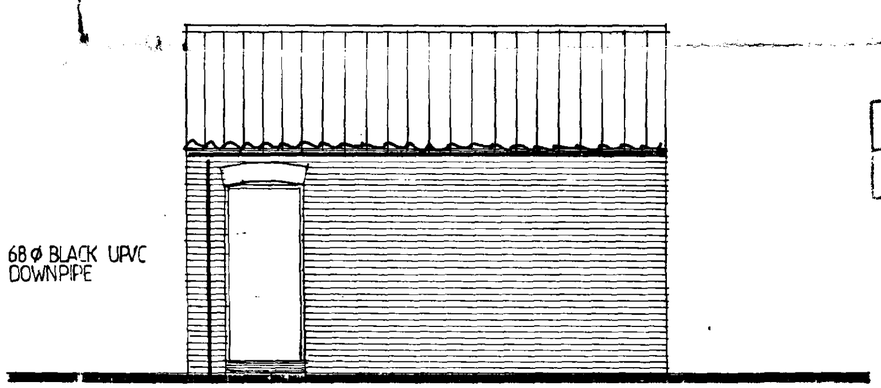


PLAN



2025 x 2250
UP AND OVER DOOR
VERTICAL BOARD EFFECT
WHITE FINISHED

SOUTH ELEVATION



2025X 910
CONC THRESHOLD

WEST ELEVATION PLOT 5
PLOT 4 MIRROR REVERSED

AMENDED PLAN
Ref. A2

Planning & Development
- 6 MAR 2002
Ref 0775/98

Client
CASTLE BUILDING LTD

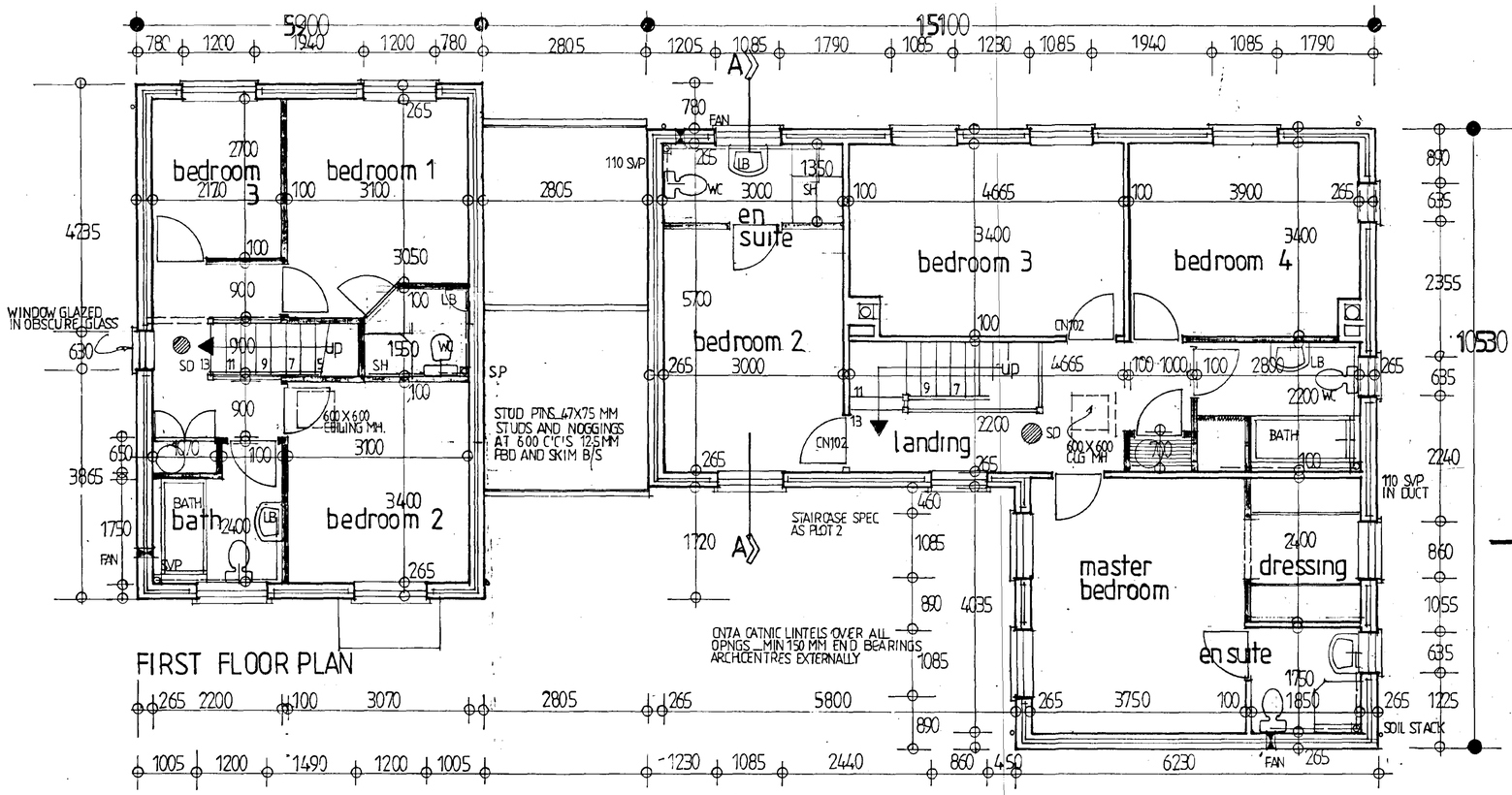
Job Title
PROPOSED RESIDENTIAL DEVELOPMENT
FLEET ROAD FLEET HARGATE

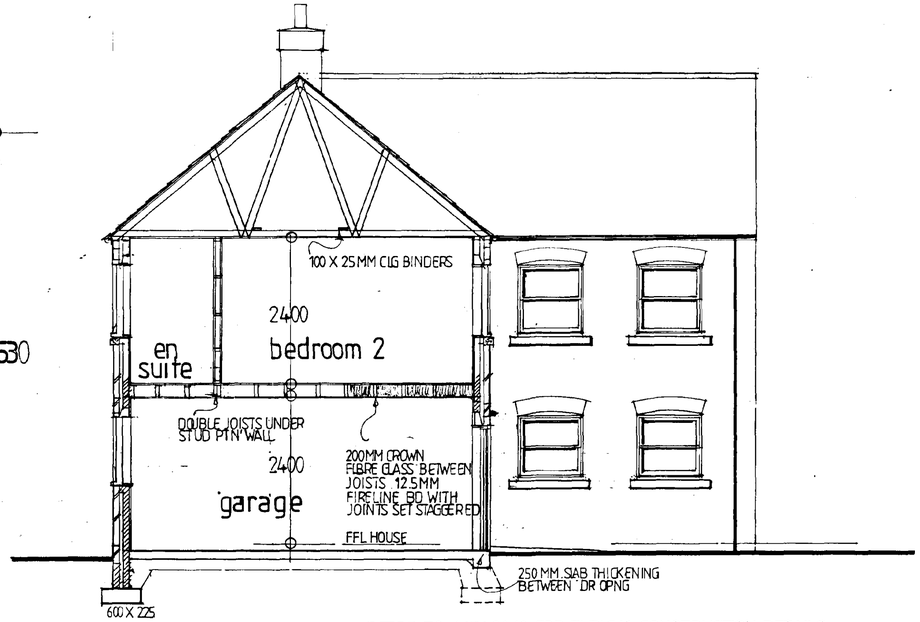
Morley Newborn
architectural technicians
16a Portland Street Lincoln LN5 7JX Tel. Lincoln (0522) 542589
Fax. No. (0522) 530652

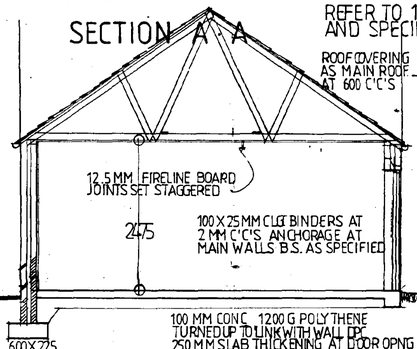
Date JANUARY 02 | Scale 1:50
Drawing No. 1676.01.13

GARAGE DETAILS

PLOTS 4 and 5

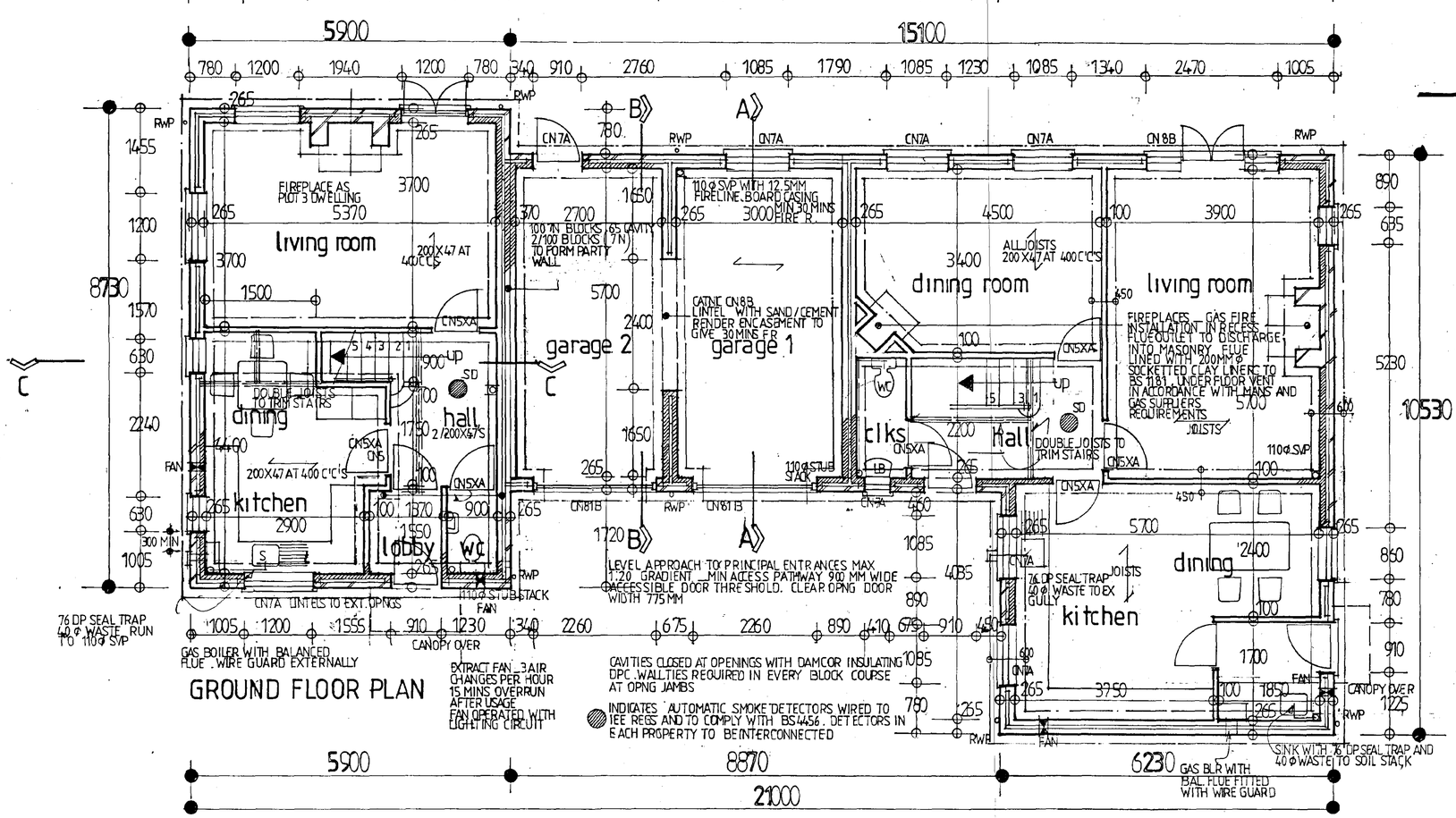


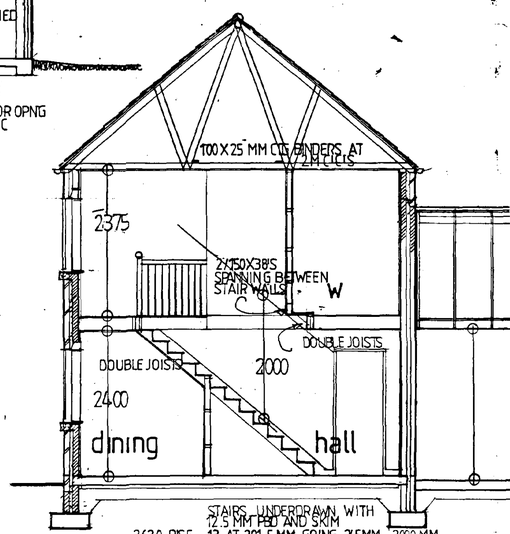




REFER TO 1676.01.10 FOR TYPICAL CONSTRUCTION DETAILS AND SPECIFICATION

A ENSUITE ADDED - PLOT 1 - BEDROOM 14/2/02





SECTION C-C

GARAGE SECTION B-B

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. diameter required.

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. 4000 mm2 of background vent. In addition extractor fans manually operated extracting at a rate of 60 litres and 30 litres per second respectively. Bathroom and Ensuite - all as for Kitchen but extractor fan vent rate min. 15 litres per second. Ensuites with no openable windows - 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 override 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 supply, 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.

PIPE 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. 0.045 W/M/K with min. thickness equal to outside diameter of pipe up to max of 40mm.

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 installed 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 M4(1).

AMENDED PLAN
11.06.02

SHDC
Planning & Development
- 6 MAR 2002
0775/98

Client: CASTLE BUILDING LTD

Job Title: PROPOSED RESIDENTIAL DEVELOPMENT FLEET ROAD FLEET HARGATE

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

Date: JANUARY 02 | Scale: 1:50

Drawing No. 1676.01.4

PLOT 1

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.

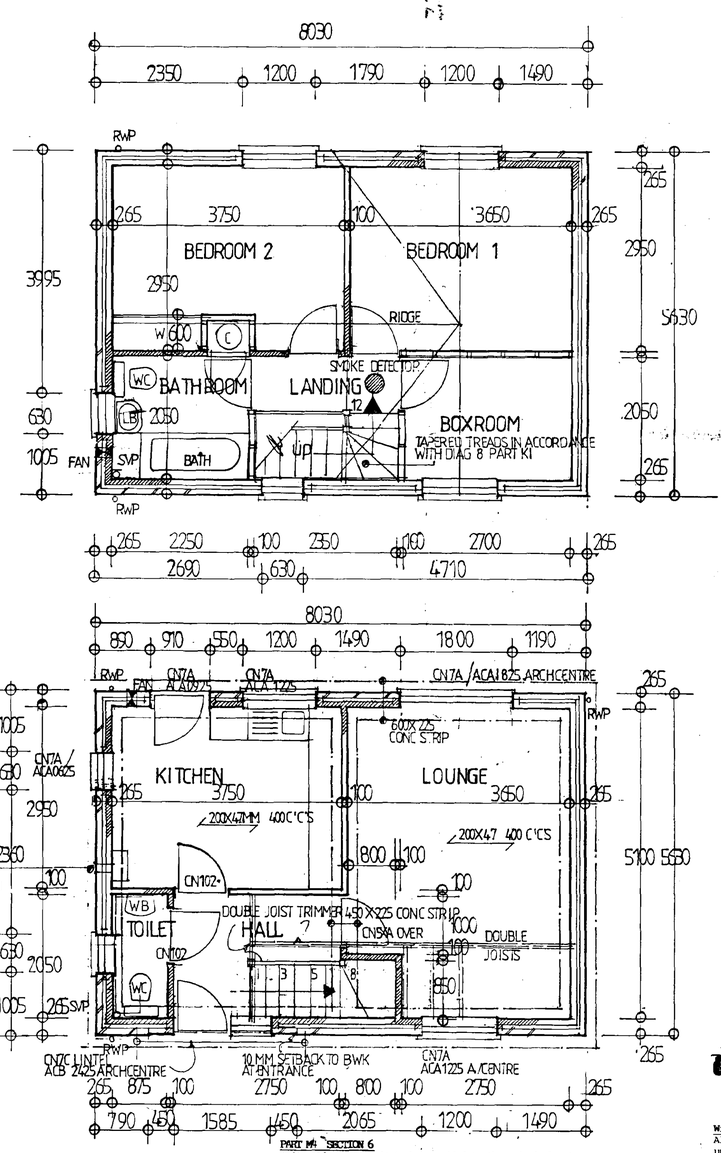
SPACE HEATING SYSTEM CONTROLS
Zone controls - radiators fitted with thermostatic valves. Timing controls - time clock to be provided to control the periods of operation. Boiler control interlocks - thermostatic radiator valves to be fitted with flow control devices to prevent boiler cycling.

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Thermostat to be provided to h.w. cylinder to shutoff heat supply, 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.

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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. diameter required.

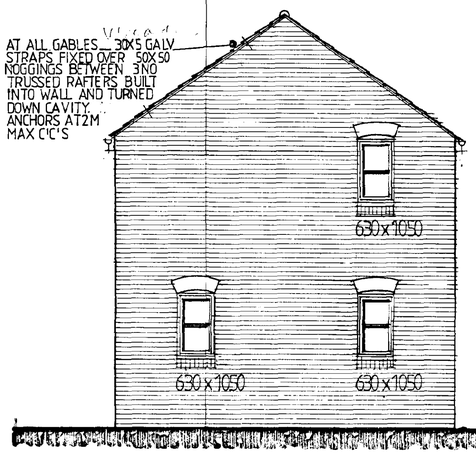


Smoke Detectors
Smoke alarms - mains operated to conform to BS.5446 installed to current I.E.E. Regulations. Ground and first floor alarms to be interconnected.

OPENING JAMBS
Wall ties required at every block course to opening jambs. Reveals closed with Dancor insulated dpc to avoid cold bridging.

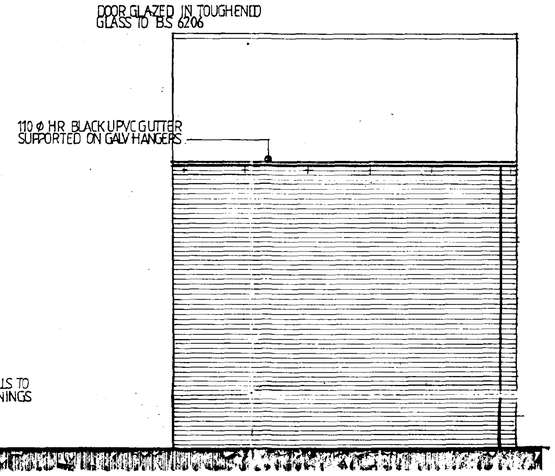
LINTELS OVER OPENINGS
Catnic combined metal lintels to support cavity wall construction

PART M: 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 installed 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

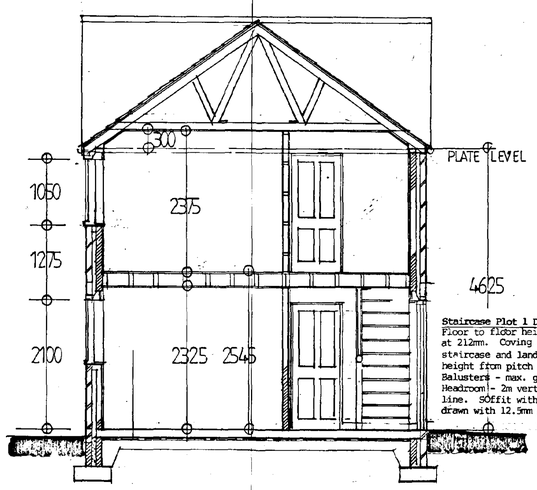




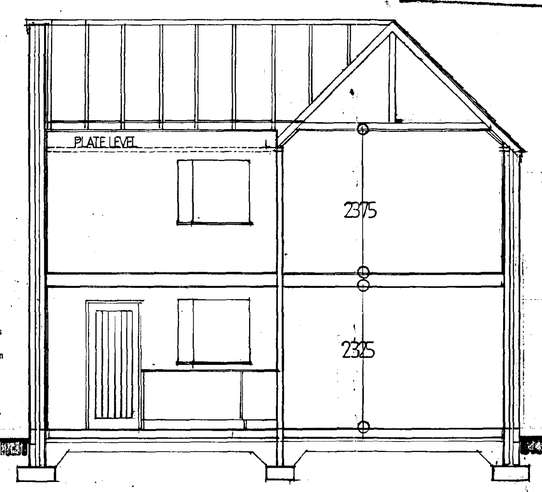




ROOF CONSTRUCTION
Interlocking concrete pantiles laid to 75mm headlap and fixed in accordance with BS5534 Part 1 to 38 x 35mm treated tiling battens fixed with galvanised wire cut nails on one layer of untearable roofing felt to BS747 type 1F with minimum 150mm laps and fixed with galvanised clout nails. Trussed rafters with raised bottom chords designed fixed and braced in accordance with BS5268 Part III 1985. Trusses erected at 600 centres, Roof anchorage requirements - 100 x 50mm softwood plate anchored at 2m centres with 30 x 5mm galvanised straps fixed over 50 x 50 softwood noggins between 3 no. trussed rafters built into wall and turned down cavity. At gable ends, ditto 1m long fixed over ceiling binders and hooked into cavity 200mm thick Crown Fibreglass insulation between bottom chords of trussed rafters.
Ceilings - 12.5mm plasterboard and skim nailed to underside of trussed rafters.



Staircase Plot 1 Dwelling
Floor to floor height 2545, 12 No risers at 212mm. Coving 240mm. Handrail on staircase and landing balustrade - 900mm height from pitch line and floor level. Balusters - max. gap of 100mm between. Headroom - 2m vertically from pitch line. Soffit within cupboards under drawn with 12.5mm plasterboard and skim.



Canted Roof Areas - Plot 1 Dwelling
Insulation of 75mm expanded polystyrene board. 50mm air gap over insulation. 12.5mm foil backed plasterboard with taped joints. Glidevale 250mm ventilators Ref. FV250mm equivalent to 25mm air gap. Ridge ventilators Glidevale 'G' range as required at centres to provide ventilator equivalent to 5mm gap.

First Floor Construction
20mm tongued and grooved jointed flooring grade chipboard, scew fixed to 200 x 47 SC3 grade timber joists at 400 centres. Stairwell trimmed with double joists as shown on the drawing. Proprietary metal herringbone strutting at mid-span of joists, 12.5mm plasterboard and skim ceilings.
At party walls - floor joists to be carefully built into party walls to ensure no airpaths through wall.
Lateral restraint - where joists run parallel to outside walls, 30 x 5mm galvanised straps fixed over 100 x 47mm noggings between 3 No. joists. Strpes built into wall and hooked into cavity.

Windows and Openings
All windows to be upvc, double glazed, sealed units. Glazing to rear and front entrance doors to be safety glass to BS.6206 (N1 critical locations App. Doc.).
First floor windows to habitable rooms to provide emergency egress in accordance with Clause 2.11 (B1) min. openable area 0.33M2. Actual size 550 x 1.05mm deep, clear opening. Lintels over external doors and windows Catnic manufacture with lintel voids insulated as standard. Minimum bearings -150mm. Refer to plans for lintel references.
Cavities closed at opening jambs and cills with Dancor insulating dpc's to avoid cold bridging. Wall ties to be in every block course at jambs.

Damp-Proof Courses
100mm wide pitch polymer dam-proof courses to both skins of hollow wall. Outer dpc min. 150mm above finished ground/paving levels.

Inner Foundation Walls
Loadbearing blockwalls in 100mm 7N blocks as shown on the drawings.

Foundations
Excavation for foundations min. 750mm below finished levels or to satisfaction of Local Authority Building Control 600 x 225mm Gen. 3 mix xoncrete under external and party walls and 450 x 225mm under loadbearing internal walls.

Ground Floor Construction
150mm concrete slab with mesh reinforcement to Structural Engineers specification. Concrete RC30 designated mix. Slab supported by inner skins of external/party and inner loadbearing walls. 1200 gauge polythene d.p.m. continuous under slab turned up inner cavity face of concrete slab and dressed into first joint of inner blockwork, to provide continuous seal. D.p.m. to be lapped min. 150mm and joints taped. 38mm thick EPS insulation panels (H.D. grade). Clean broken stone hardcore min 150mm thickness consolidated in two layers and blinded to receive damp-proof membrane. NOTE cavity insulation to be extended to slab base level to avoid cold bridging.

Wall Construction
External above dpc level - 100mm facing brick, 65mm cavity with 65mm thick Fibreglass Dritherm insulation installed as work proceeds in accordance with manufacturers instructions. 100mm inner blockwork, 4N compressive strength and 660Kg/m3 density, 11mm lightweight plaster finish. Skims of hollow wall tied together with Catnic BB2 stainless steel wall ties installed at 2.5 No. per M2 and set staggered. 'U' value of construction - 0.42 W/M/K.
External below d.p.c. level 2 leaves of 100mm 7N compreseive strength with 65mm cavity filled with fine concrete up to 150mm below lowest d.p.c. level. Three courses of facings to oute leaf below d.p.c. level. Leaves tied together with BS.1247 galvanised ties at 5 No. per M2 and staggered.

Planning Department
- 6 MAR 2002
Ref 0775/98

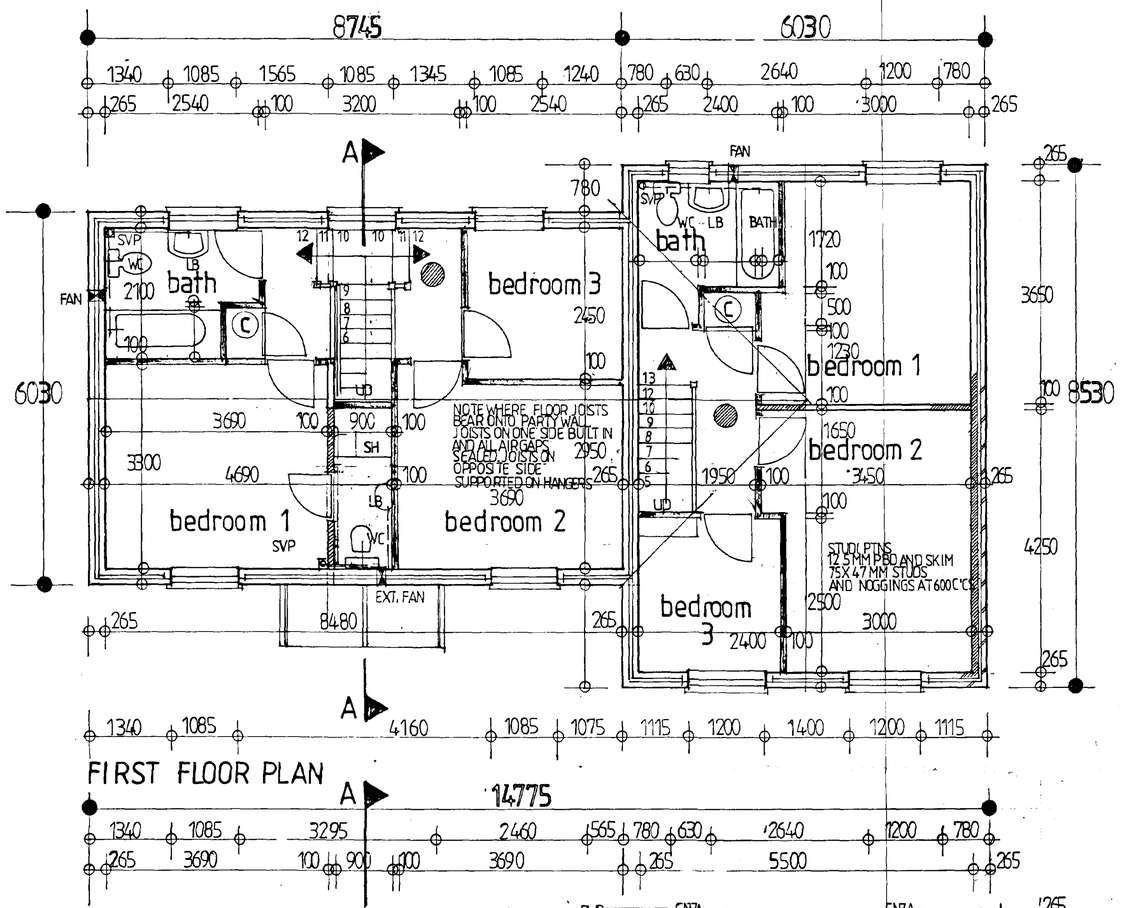
Client
CASTLE BUILDING LTD

Job Title
PROPOSED RESIDENTIAL DEVELOPMENT
FLEET ROAD FLEET HARGATE

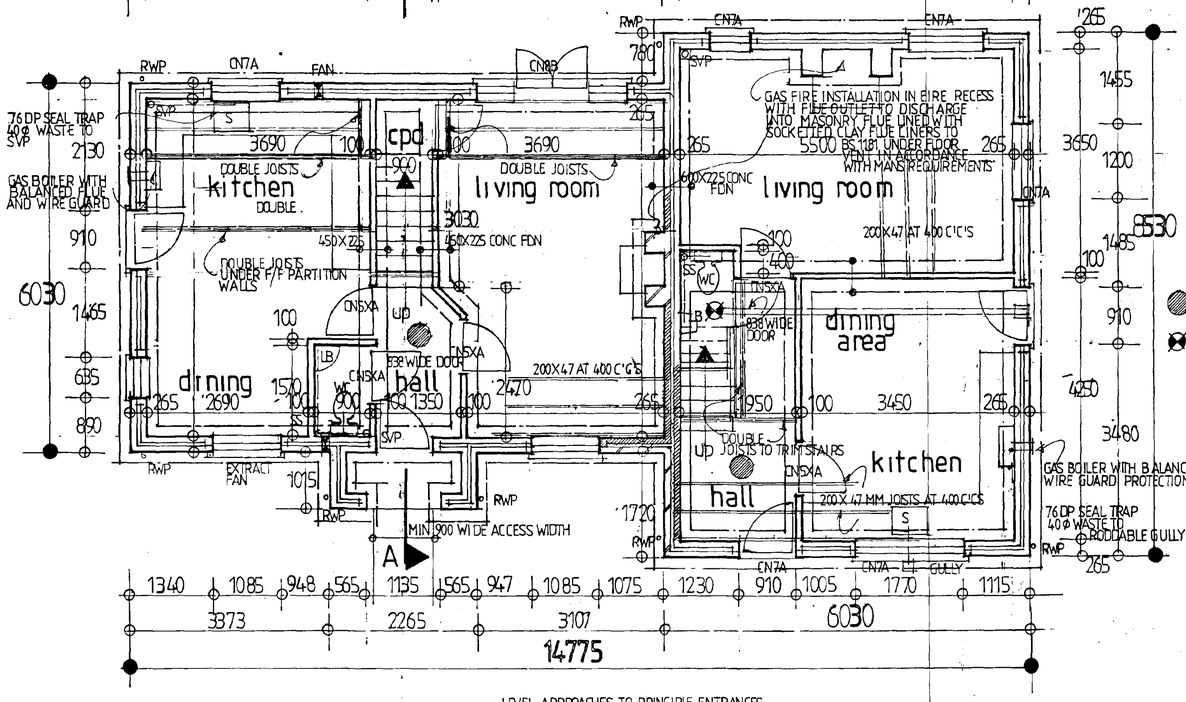
Morley Newborn
architectural technicians
16a Portland Street Lincoln LN5 7JX Tel. Lincoln (0522) 542589
Fax. No. (0522) 530652

Date JANUARY 02 | Scale 1:50
Drawing No. 1676.01.3

PLOTS 4~5

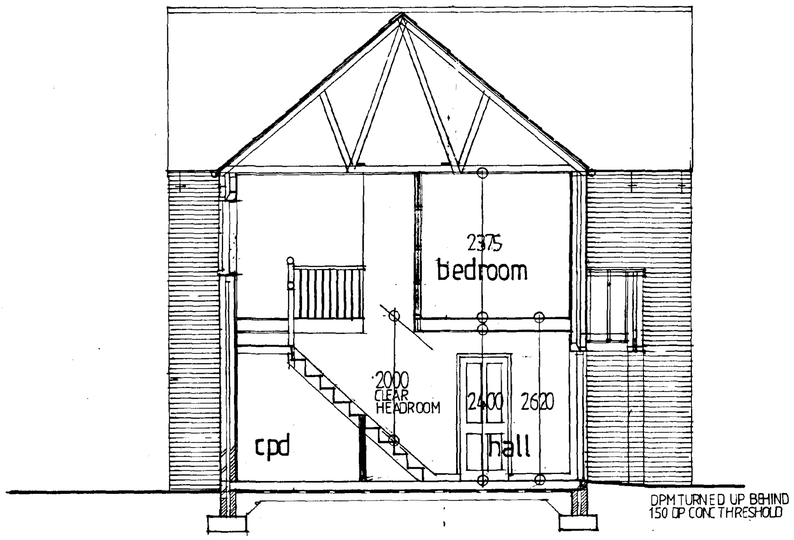


FIRST FLOOR PLAN



GROUND FLOOR PLAN

LEVEL APPROACHES TO PRINCIPLE ENTRANCES MAX 1:20 GRADIENT. DOORWAYS WITH ACCESSIBLE THRESHOLD
MIN CLEAR DOOR OPENING WIDTH 775MM



CROSS SECTION A-A

STAIRCASE 2620 FL-FL 12NO RISERS AT 218.3 MM
245 265 MM GOING HANDRAIL HEIGHT ON STAIRS 900
FROM PITCH LINE. DITTO LANDING BALUSTRADE
BALUSTERS MAX 100 MM GAP BETWEEN

NOTE REFER TO DRAWING NO 1676.01.10 FOR GENERAL CONSTRUCTION DETAILS AND SPECIFICATIONS

A PLOT 4 BED 1 EN SUITE ADDED 14.2.02

AMENDED PLAN
Ref. A2

NOTE EMERGENCY EGRESS WINDOWS
FIRST FLOOR WINDOWS SERVING HABITABLE ROOMS TO HAVE UNOBSTRUCTED OPENABLE AREA MIN 0.33 M2 MIN 450 WIDE X 450 MM DEEP CILL HEIGHT NO MORE THAN 1100 WITH GUARDING HEIGHT OF 800MM REFER TO 2.11 PART B1 OF APP DOC

Planning & Development
- 6 MAR 2002
Ref 0775/98

Party Wall Construction
2 leaves of concrete blockwork (min density of 1990Kg/M3, 65mm cavity. 13mm lightweight plaster, 225mm block coursing to give mass including plaster of 415 Kg/M3. Wall taken up to underside of roof covering and joint filled with glass fibre to provide sound insulation and firestopping.
NOTE wall above ceiling within roof space reduced to 150 Kg/M2 mass by using 2/100mm blocks of 660 Kg/M3 density.

LINTELS OVER EXTERNAL/INTERNAL OPENINGS - CATNIC MANUFACTURE 150 MM END BEARINGS. COMBINED LINTEL VOIDS INSULATED AS STANDARD

INDICATES AUTOMATIC SMOKE DETECTORS WIRED TO LFE REGS AND TO COMPLY WITH BS 4256. DETECTORS IN EACH PROPERTY TO BE INTER-CONNECTED

CEILING DUCT FAN WITH 100ø EXTRACT DUCT BETWEEN JOISTS WITH GRILLE AT EXT WALL FAN PROVIDING 3 AIR CHANGES PER HOUR WITH 15 MINS OVERRUN AFTER USAGE AND OPERATED WITH LIGHTING CIRCUIT

OPNG JAMBS - CAVITIES CLOSED AT OPNGS WITH DAMCOR INSULATING DPC.

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. diameter required.

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. 4000 mm2 of background vent. In addition extractor fans manually operated extracting at a rate of 60 litres and 30 litres per second respectively. Bathroom and Ensuite - all as for Kitchen but extractor fan vent rate min. 15 litres per second. Ensuites with no openable windows - 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 override 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 fitted with flow control devices to prevent boiler cycling.

HOT WATER STORAGE SYSTEM CONTROLS
Thermostat to be provided to h.w. cylinder to shutoff heat supply, 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.

PIPE 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. 0.045 W/K with min. thickness equal to outside diameter of pipe up to max of 40mm.

PART M1 SECTION 6
A 'level' approach is to be provided to the principal entrance with gradient no steeper then 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 installed 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 M3(1).

Client: CASTLE BUILDING LTD
Job Title: PROPOSED RESIDENTIAL DEVELOPMENT FLEET ROAD FLEET HARGATE

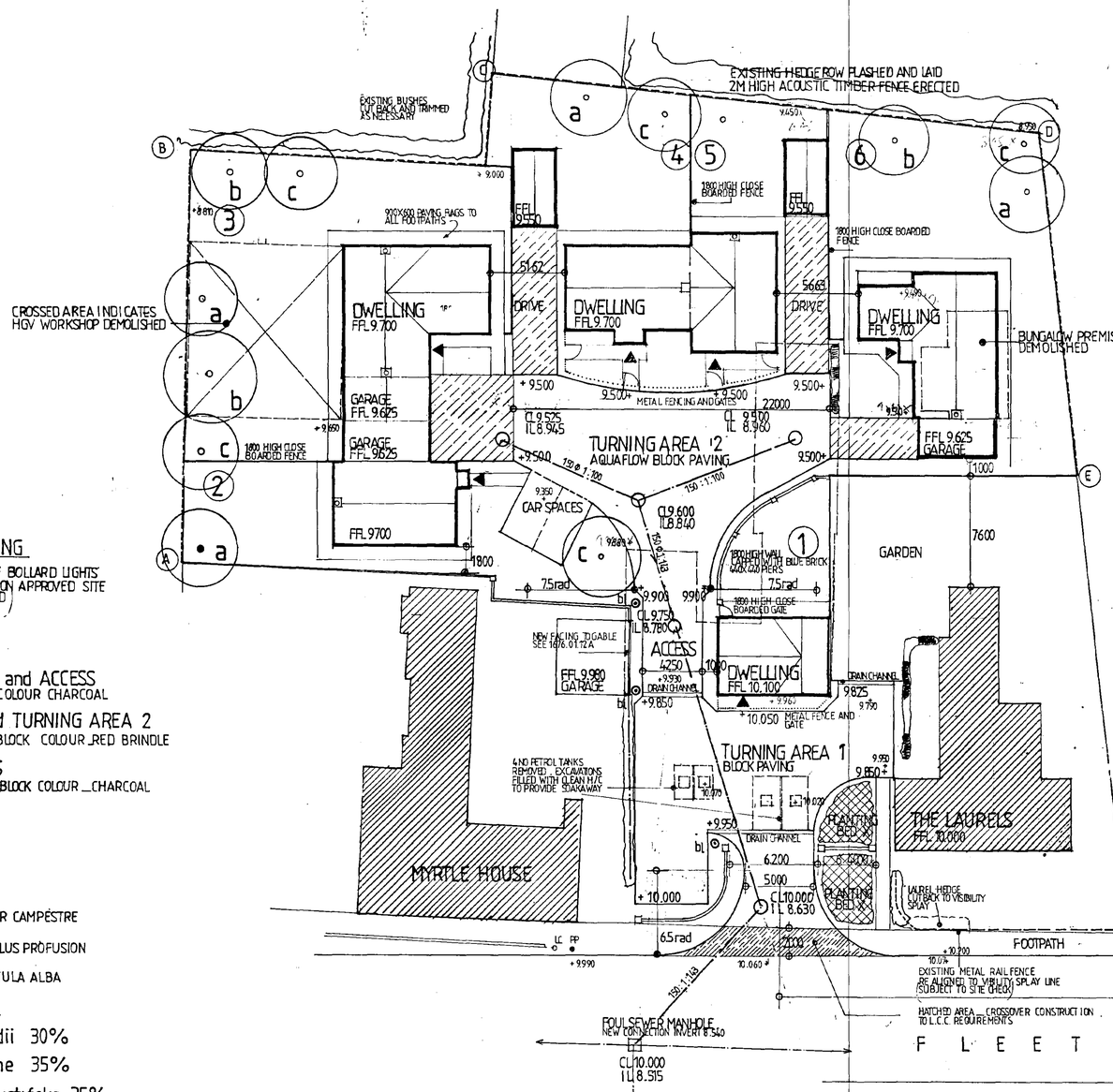
Morley Newborn
architectural technicians
16a Portland Street Lincoln LN5 7JX Tel. Lincoln (0522) 542589
Fax No. (0522) 530652

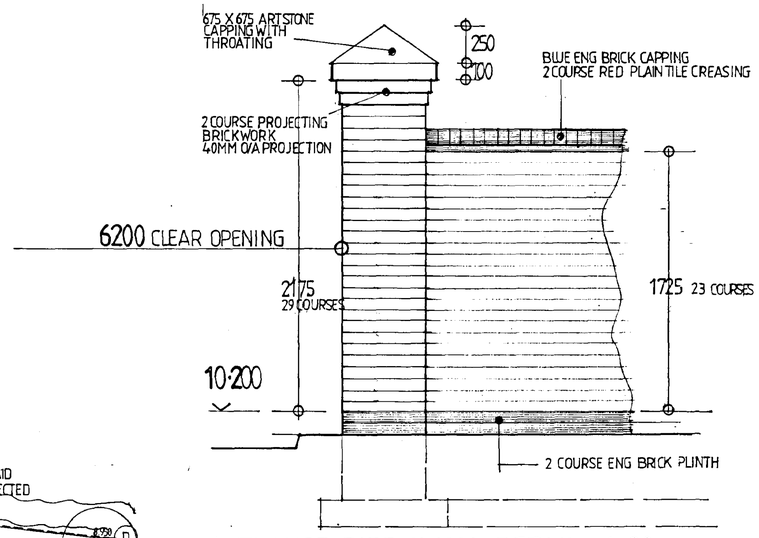
Date JANUARY 02 | Scale 1:50
Drawing No. 1676.01.6 | A

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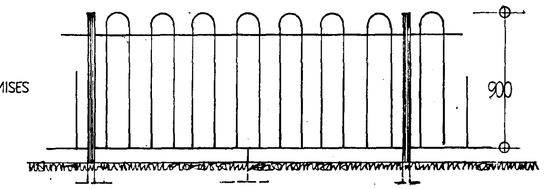
ACOUSTIC VENTS

"PASSIVENTS" ACOUSTIC VENTS WITH SOUND BAFFLES FITTED TO ALL NORTH FACING WINDOWS (FIRST FLOOR ONLY) TO PLOTS 3. 4. 5 AND 6





ENTRANCE PIER / WALL DETAIL 1.20



METAL RAILING STEEL HAIRPIN FENCING WITH MATCHING GATES FINISHED BLACK REQUIRED AT FRONTAGES TO PLOTS 1. 4 AND 5 REFER TO PLAN FOR LOCATION

ACOUSTIC FENCE ALONG BOUNDARIES A_B B_C C_D D_E

125 x 25 MM SAWN FEATHER-EDGED PALES ON 50 x 175 MM CAMP RAILS BETWEEN 100 x 100 POSTS AT 1800 CENTRES. POSTS LET INTO PROPRIETARY GALV SHOES SET IN CONCRETE FOUNDATION SIZE x450x450 600 DEEP

BOLLARD LIGHTING

bl INDICATES POSITIONS OF BOLLARD LIGHTS ALL AS DETAIL SHOWN ON APPROVED SITE LAYOUT PLAN (AMENDED)

BLOCK PAVING

TURNING AREA 1 and ACCESS
MARSHALS KEYBLOK COLOUR CHARCOAL

INNER ACCESS and TURNING AREA 2
FORMPAVE AQUAFLOW BLOCK COLOUR_RED BRINDLE

PRIVATE DRIVES
FORMPAVE AQUAFLOW BLOCK COLOUR_CHARCOAL

LANDSCAPING

TREES
- a Field Maple ACER CAMPESTRE
- b Crab Apple MALUS PROFUSION
- c Whitebeam BETULA ALBA

PLANTING BEDS
- Viburnum Davidii 30%
- Senecio Sunshine 35%
- Lavendula Augustifolia 35%

REFER TO DRAWING 1676.01.12A FOR SETTING OUT DRAINAGE ETC

10.000+ EXISTING LEVELS
10.000+ PROPOSED LEVELS

SITE LAYOUT 1:200

SHDC
Planning & Development
- 6 MAR 2002
Ref 0445/98

AMENDED PLAN
Ref. A2

Client: CASTLE BUILDING LTD

Job Title: PROPOSED RESIDENTIAL DEVELOPMENT FLEET ROAD FLEET HARGATE

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

Date JANUARY 02 | Scale 1:200

Drawing No. 1676.01.11

Inspection Chambers / Manholes
Foul and surface water inspection chambers with less than 1m depth to invert to be 450 diameter GRP set on 100mm concrete base. 450 diameter galvanised covers and frames. Surface water and foul water manholes within private drive and site access to be pre-cast concrete rings to BS5911, 1050mm diameter up to 1.5m depth 600 x 600 Grade B Class 2 c.i. cover and frames set on 2 course of Class B engineering brick.

Foul and Surface Water
100mm and 150mm diameter upvc pipes to BS4660 laid to falls as indicated in trenches with bedding all as described in diagram 9 Part H of approval document i.e. 100 bed of granular material to BS882:1983 up to full depth of pipe 300mm minimum cover of selected fill free from stones larger than 40mm. Where depth of drains under hardstanding and drive areas is less than 600mm, 150mm concrete bed and surround required with compressible board movement joints at pipe joints. Where drains pass through foundation walls, openings to be lintelled with 50 clearance all round pipe. Openings masked both sides with rigid material to avoid vermin entry.

NORTH

SOAKAWAYS
(S) 1 M3 CAPACITY BELOW DRAIN INVERT CLEAN BROKEN STONE. 300 MM MIN DEPTH OF TOPSOIL OVER;
SOAKAWAY MIN 5M FROM BUILDING/BOUNDARY

AMENDED PLAN
Ref. A2

A MINOR AMENDMENTS 7/2/02
B. SVPS SERVING ENSUITES TO PLOTS 2 AND 4 14.2.02

Client
CASTLE BUILDING LTD

Job Title
PROPOSED RESIDENTIAL DEVELOPMENT
FLEET ROAD FLEET HARGATE

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

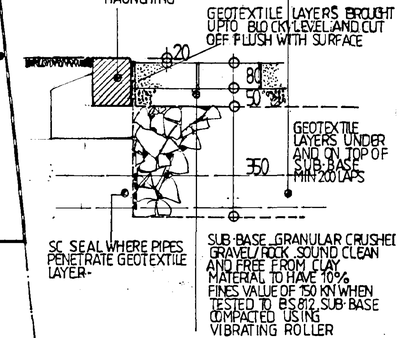
Date JANUARY 02 Scale 1:100
Drawing No 1676.01.12 A/B

RECEIVED
Planning & Development
- 6 MAR 2002
Ref C475/98

SITE LAYOUT 1:100

SEE DRAWING NO 1676.01.11 FOR LANDSCAPING AND 1:200 GENERAL LAYOUT

FORMPAVE STORM WATER SOURCE CONTROL SYSTEM 2000 TO BE CARRIED OUT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND SPECIFICATION



NOTE SC SEALS PERFORATED PIPES DISPERSING WITHIN HARDCORE SUB-BASE AND GEOTEXTILE LAYERS SUPPLIED BY WTB GEOTECHNICS TEL NO 0117.986.1766

AQUAFLOW PAVING SECTION INFILTRATION SYSTEM 2000

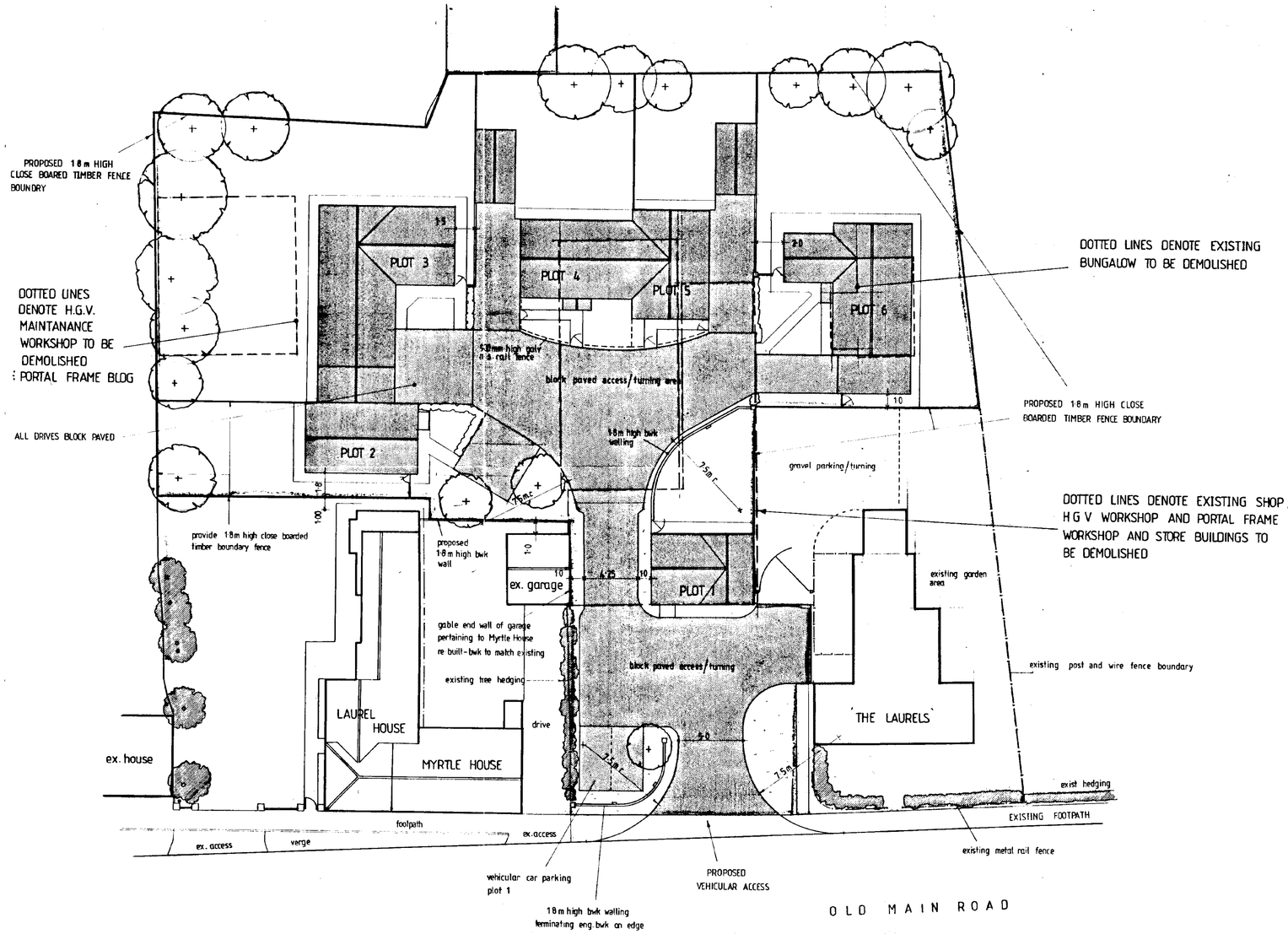
COLOUR OF PAVING RED BRINDLE

SM SUMP MANHOLES
215 MM CLASS B ENG BRICK LAID IN WATER BOND OFF 150 CONC FOUNDATION SLAB INTERNAL SIZE 600X450 MM. DITTO SIZE C.I COVERS AND FRAMES MEDIUM DUTY

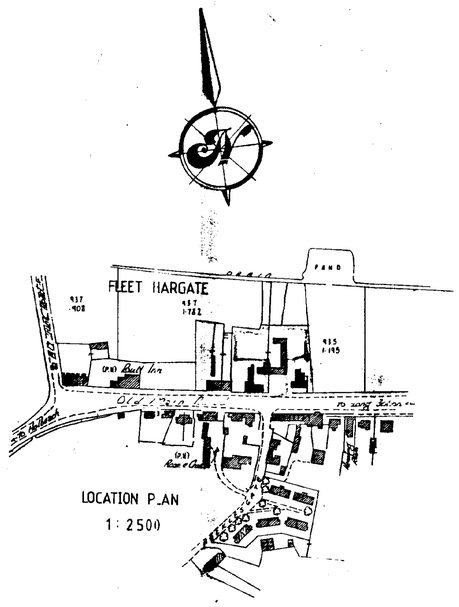
NOTE SUMP DEPTH 600 MM FROM PIPE ENTRY/EXIT LEVEL

CONCRETE BLOCK PAVING TURNING AREA (1) AND ACCESS
MARSHALLS KEYBLOK 200X100X80 MM COLOUR CHARCOAL 50 MM FINE SAND BEDDING ON 200 MM CONSOLIDATED HARDCORE USING VIBRATING ROLLER. FINE SAND BRUSHED INTO JOINTS

CAR SPACES/DRIVES
FORMPAVE AQUAFLOW BLOCKS COLOUR CHARCOAL



SITE PLAN 1:200



SOUTH HOLLAND DC
HOUSING & PLANNING
30 JUL 1998
Ref: H75/98

COOPER ARCHITECTURAL DESIGN
BRONAVON, HOOKLESGATE,
FLEET, SPALDING, LINCS PE12 8LF
Tel/Fax - 01406 423762

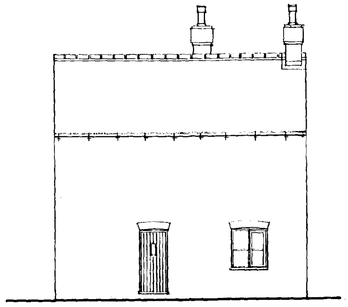
SUPERSEDED

PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

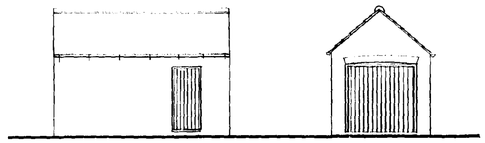
SITE LAYOUT PLAN



REAR ELEVATION



SIDE ELEVATION

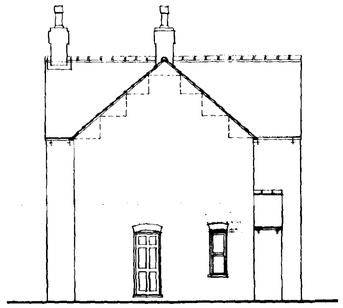


SIDE FRONT



FRONT ELEVATION

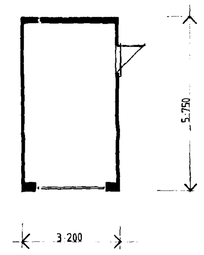
TREATED TIMBER OVER AS LINTEL

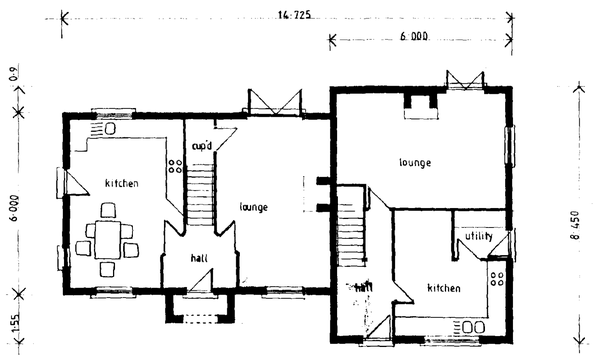


SIDE ELEVATION

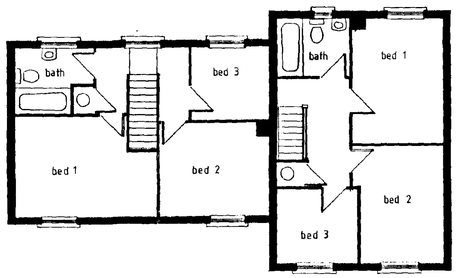
NO FASCIA BOARDS : GUTTERS ON GALV. M.S. GUTTER BRACKETS 'RISE 'N' FALL TYPE

SINGLE GARAGE





GROUND FLOOR PLAN



FIRST FLOOR PLAN

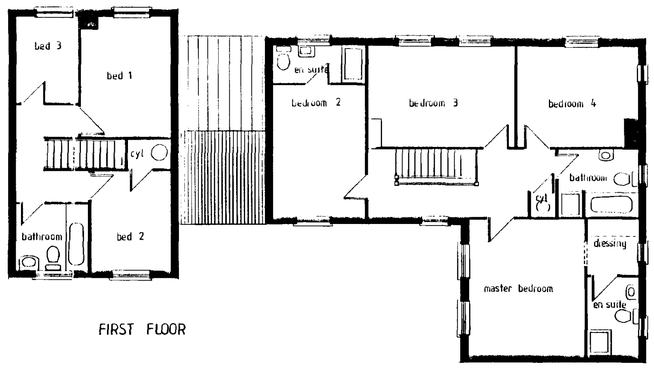
SOUTH HOLLAND DC
HOUSING & PLANNING
30 JUL 1998
Ref: 775/98

COOPER ARCHITECTURAL DESIGN
BROMHAM, HOCKLESGATE,
FLEET, SPALDING, LINCS PE12 8LF
Tel/Fax : 01406 423762

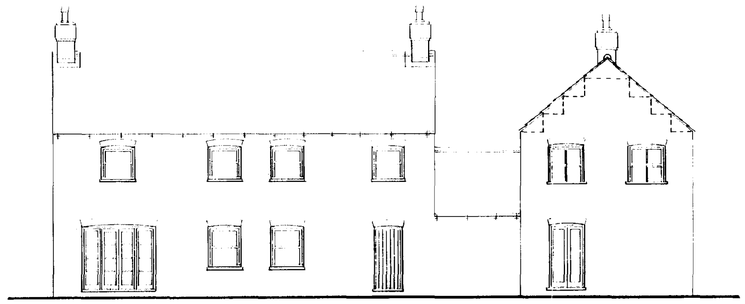
PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

PLOTS 4 & 5

SCALE 1:100

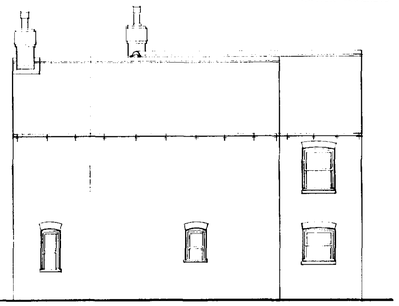


FIRST FLOOR

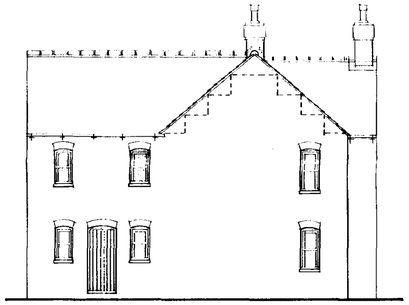


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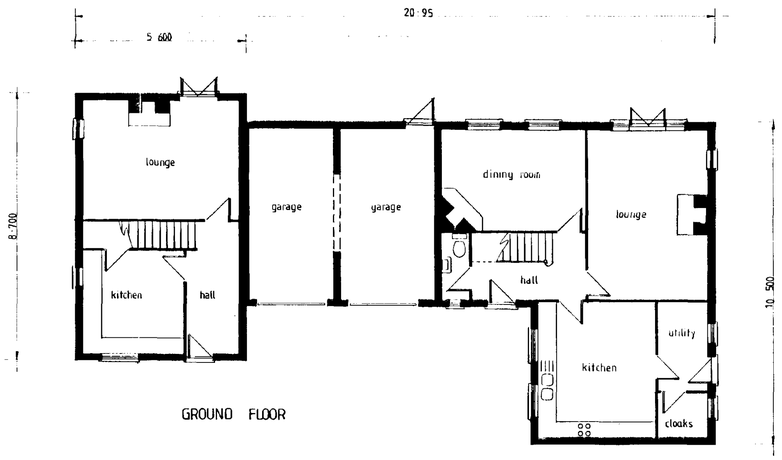
NO FASCIA R.W. GUTTERS ON GALV M.S. RISE N FALL
GUTTER BRACKETS



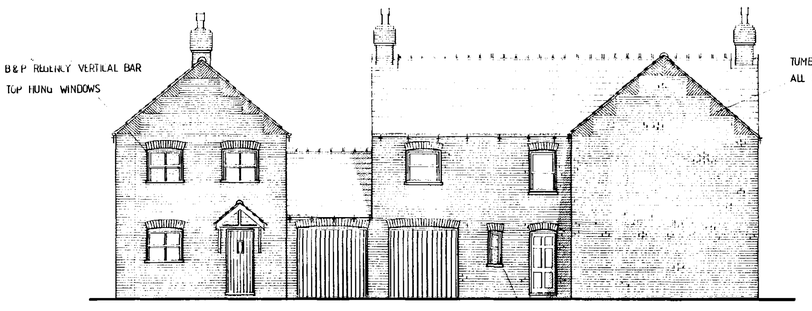
SIDE ELEVATION



SIDE ELEVATION



GROUND FLOOR



FRONT ELEVATION

B & P SLIDING SASH WINDOWS
STONE SILLS

SOUTH HOLLAND DC
HOUSING & PLANNING
30 JUL 1998
Ref: 775/98

COOPER ARCHITECTURAL DESIGN
BRONAVON, HOCKLESGATE,
FLEET, SPALDING, LINC'S PE12 8LF
Tel/Fax : 01406 423762

PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

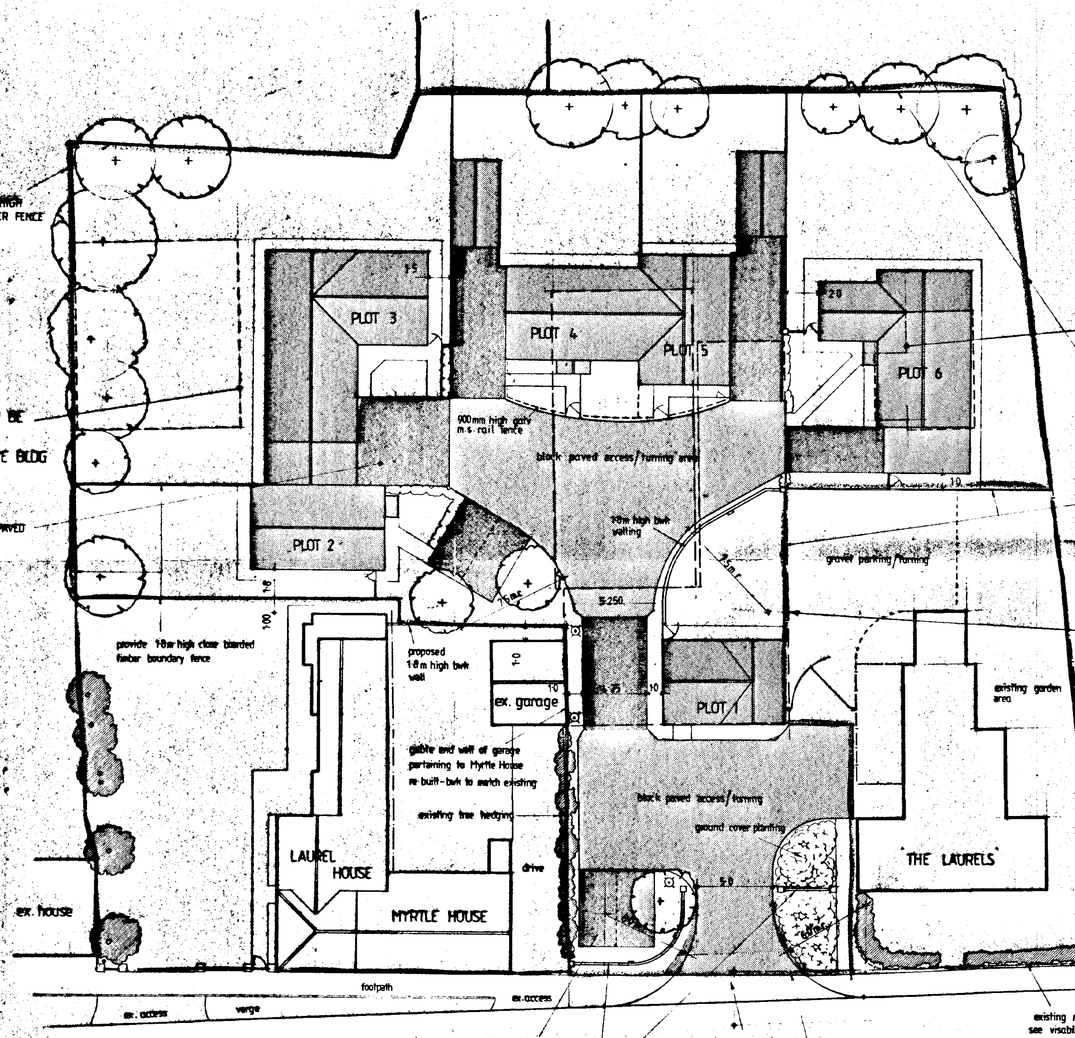
PLOTS 2 & 3

SCALE 1:100

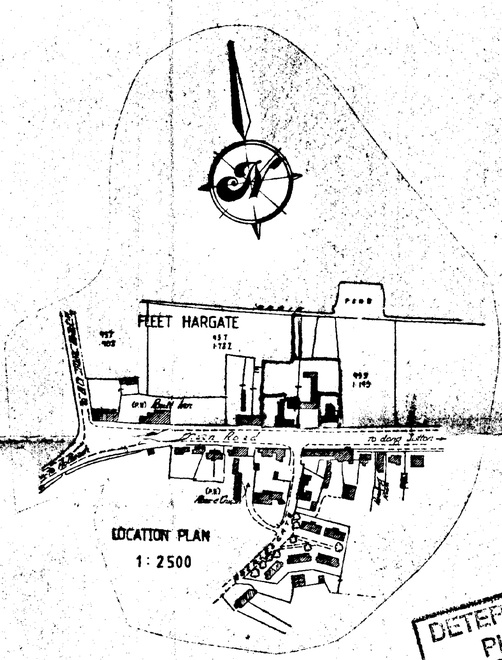
NOTE The 2·0 metre high close boarded fence to North, East and West boundary to be of timber of density 12 kg per m^3 to satisfaction S.H.D.C.

NOTE ALL FIRST FLOOR WINDOWS TO NORTH FACING ELEVATIONS OF PLOTS 3, 4, 5 & 6 TO HAVE ACCOUSTIC VENTS

ALL BLOCK PAVED VEHICULAR PARKING SPACES / DRIVES TO PLOTS, INCL. 4·25 m WIDE ACCESS LENGTH OF PRIVATE ROAD ADJACENT PLOT 1 TO BE OF A DIFFERENT COLOUR TO MAIN BLOCK PAVED ACCESS/TURNING AREAS TO BE AGREED WITH S.H.D.C.



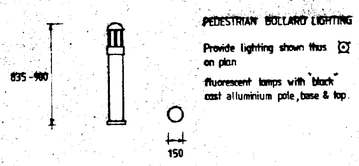
SITE PLAN 1:200



PEDESTRIAN BOLLARD LIGHTING

Provide lighting shown thus ⊡ on plan

fluorescent lamps with black cast alluminium pole, base & top



DETERMINED PLAN

AMENDED PLAN
Ref.

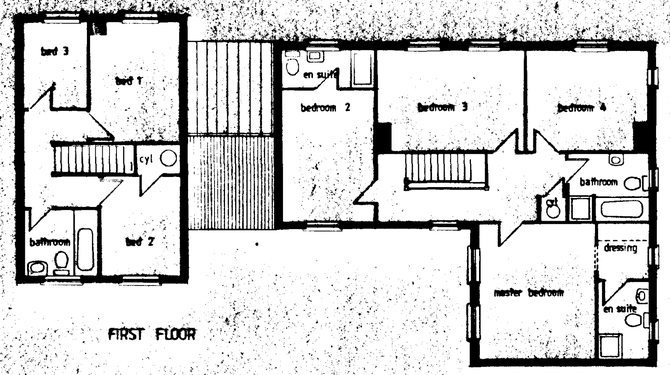
SOUTH HOLLAND DC HOUSING & PLANNING
- 3 DEC 1998
Ref: 0775/98

COOPER ARCHITECTURAL DESIGN
BRONAVON, HOCKLESGATE, FLEET, SPALDING, LINCS PE12 8LF
Tel/Fax: 01406 422782

PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

SITE LAYOUT PLAN

amended

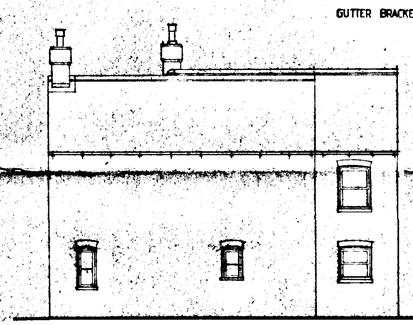


FIRST FLOOR

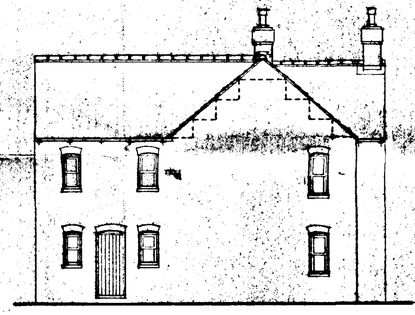


REAR ELEVATION

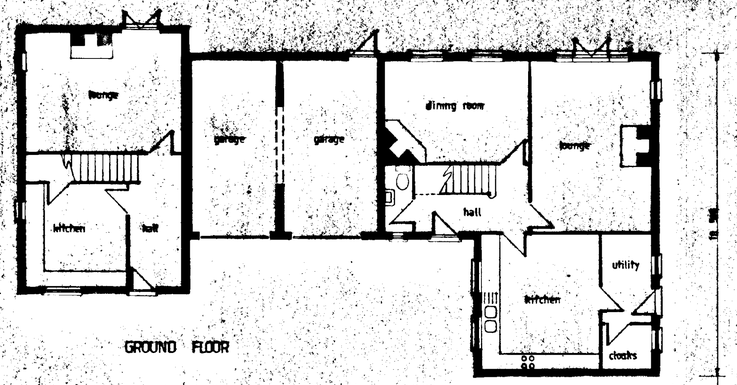
NO FASCIA R.W. GUTTERS ON GADY M.S. RISE 'N' FALL GUTTER BRACKETS



SIDE ELEVATION



SIDE ELEVATION



GROUND FLOOR



FRONT ELEVATION

A[illegible] PLAN
Ref.

SOUTH HOLLAND DC
HOUSING & PLANNING
3 DEC 1998
Ref: S/1515/98

COOPER ARCHITECTURAL DESIGN
BRONAVON, ROCKLESGATE,
FLEET, SPALDING, LINC'S PE12 6LF
Tel/Fax : 01406 423782

DETERMINED PLAN

PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

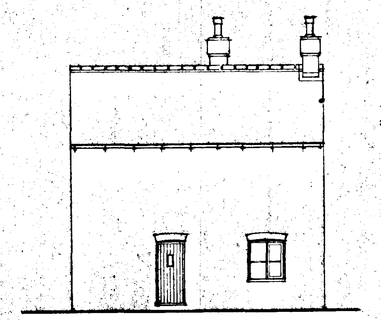
PLOTS 2 & 3

SCALE 1:100

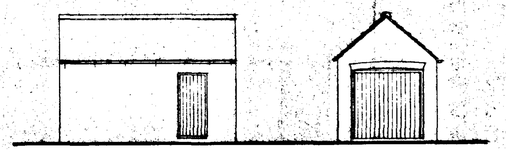


REAR ELEVATION

FIRST FLOOR WINDOWS TO THIS ELEVATION TO HAVE ACOUSTIC VENTS



SIDE ELEVATION

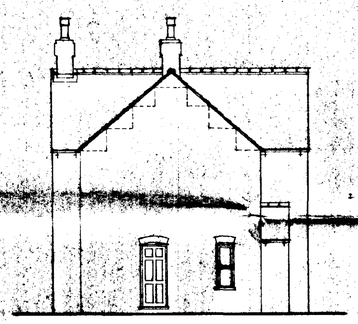


SIDE FRONT



FRONT ELEVATION

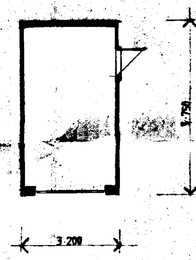
TREATED TIMBER OVER AS LINTEL

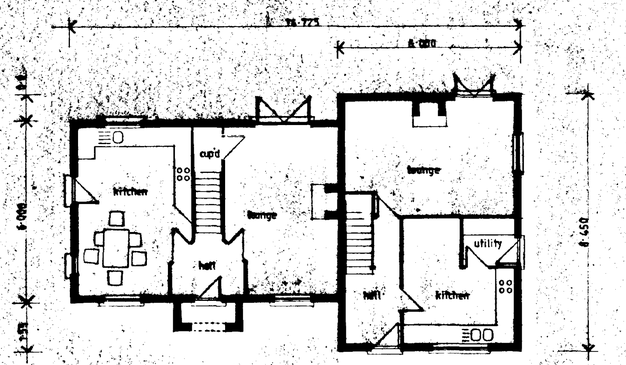


SIDE ELEVATION

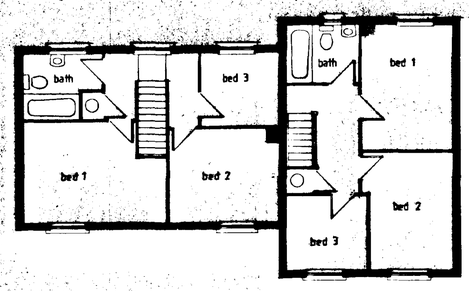
NO FASCIA BOARDS · GUTTERS ON GALV. M.S. GUTTER BRACKETS · RISE 'N' FALL TYPE

SINGLE GARAGE





GROUND FLOOR PLAN



FIRST FLOOR PLAN

PLAN

Ref.

SOUTH HOLLAND DC
HOUSING & PLANNING
- 3 DEC 1998
Ref. 0775/98

DETERMINED PLAN

COOPER ARCHITECTURAL DESIGN
BRONAVON, HOCKLESGATE,
FLEET, SPALDING, LINC'S PE12 8LF
Tel/Fax 01406 423782

PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

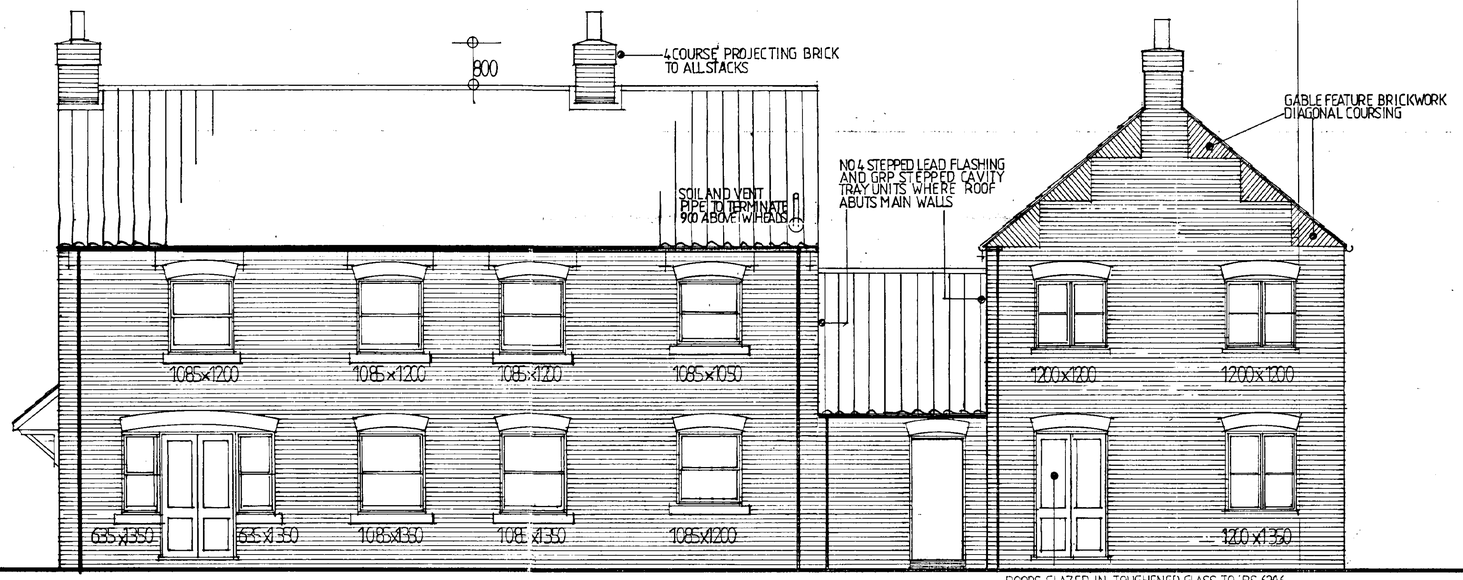
PLOTS 4 & 5 A

SCALE 1:100

PLOTS 2~3



EAST ELEVATION

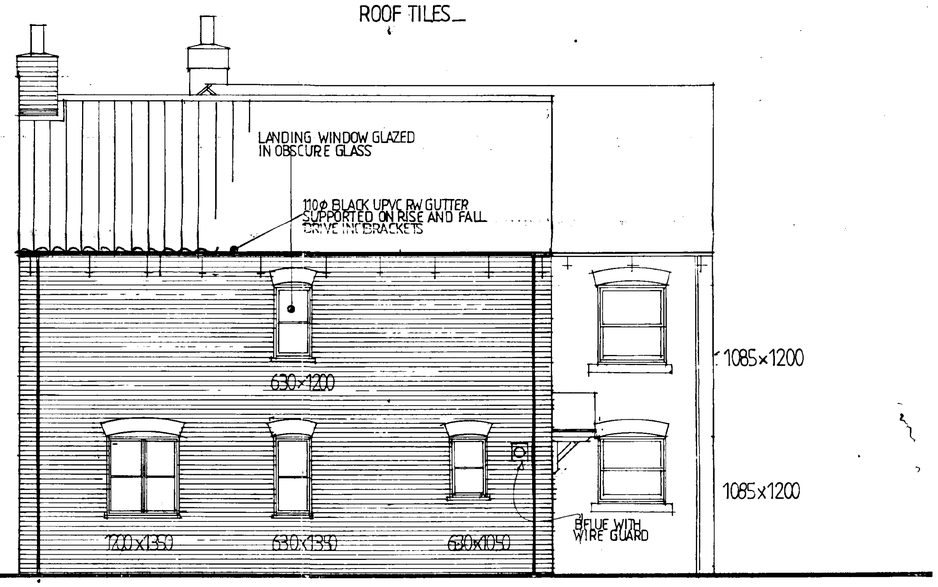


WEST ELEVATION

WINDOWS
TRADITIONAL SLIDING SASH

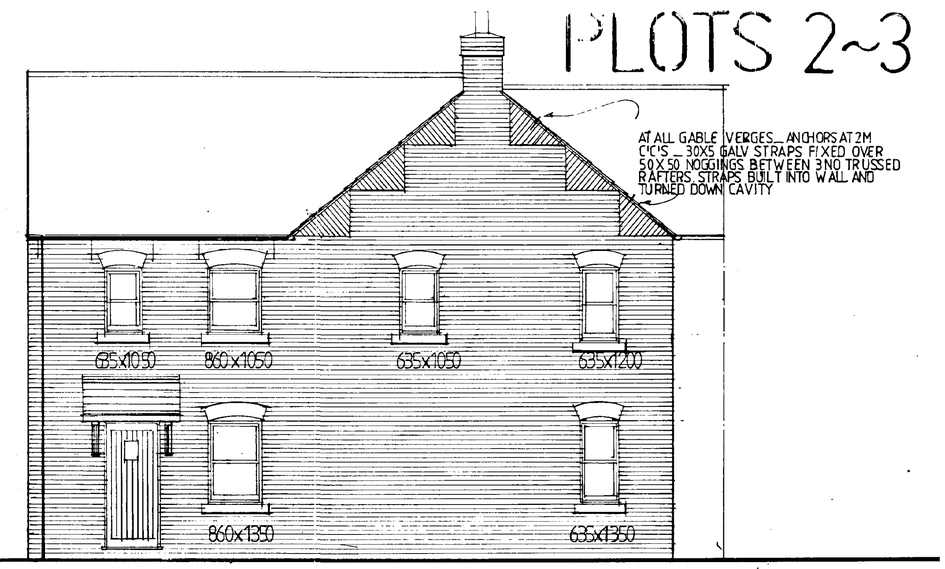
WINDOWS
SIDE HUNG CASEMENTS

SOUTH ELEVATION



FACING BRICK

NORTH ELEVATION PLOT 2



AMENDED PLAN
Ref. 1A 2

Planning & Development
- 6 MAR 2002
Ref 0475/98

Client
CASTLE BUILDING LTD

Job Title
PROPOSED RESIDENTIAL DEVELOPMENT
FLEET ROAD FLEET HARGATE

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

Date JANUARY 02
Scale 1:50
Drawing No. 1676.01.5

PLOT 6

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. diameter required.

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. 4000 mm2 of background vent. In addition extractor fans manually operated extracting at a rate of 60 litres and 30 litres per second respectively. Bathroom and Ensuite - all as for Kitchen but extractor fan vent rate min. 15 litres per second. Ensuites with no openable windows - 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 override to extract at rate of 15 litres per second.

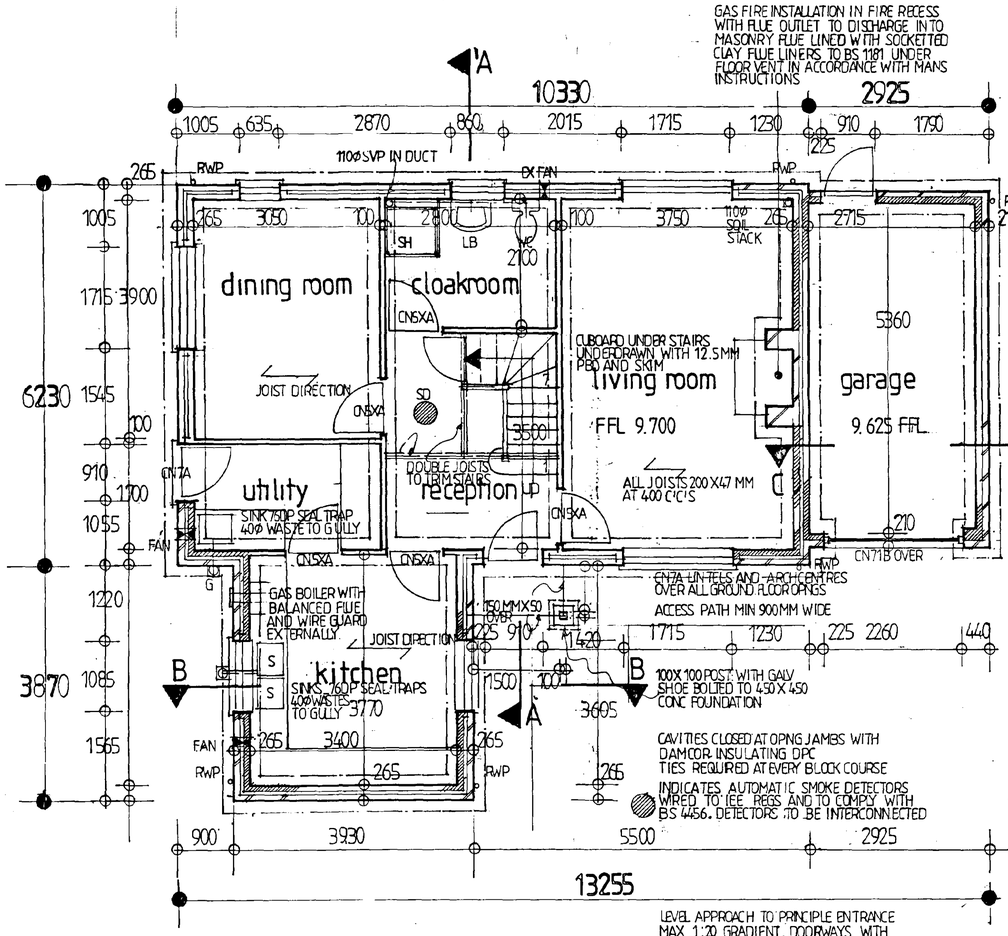
CONSERVATION OF FUEL AND POWER
Doors and window frames to be draught sealed in accordance with diagram 4 (Part L1) Frame perimeters sealed externally with proprietary sealant. Loft hatch cover set in rebated frame with draught seal.

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 shutoff heat supply, 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.

PIPE 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. 0.045 W/M/K with min. thickness equal to outside diameter of pipe up to max of 40mm.

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 installed 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 M3(1).



SECTION B·B

SECTION C·C

SECTION A·A

SEE DRG NO 1676.01.10 FOR GENERAL CONSTRUCTION DETAILS AND SPECIFICATION NOTES

GROUND FLOOR PLAN

SEE DRG NO 1676.01.12A FOR SITE LAYOUT AND DRAINAGE DETAILS

FIRST FLOOR PLAN

Pl... development
- 6 MAR 2002
Rec 07/5/02

Client
CASTLE BUILDING LTD

Job Title
PROPOSED RESIDENTIAL DEVELOPMENT
FLEET ROAD FLEET HARGATE

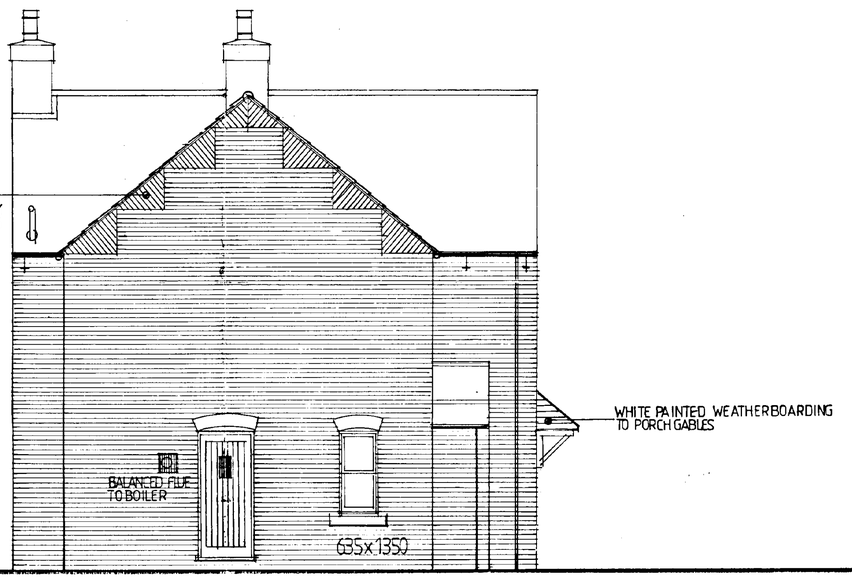
Morley Newborn
architectural technicians
16a Portland Street Lincoln LN5 7JX Tel. Lincoln (0522) 542589
Fax. No. (0522) 530652

Date JANUARY 02 Scale 1:50
Drawing No. 1676.01.8

PLOTS 4~5



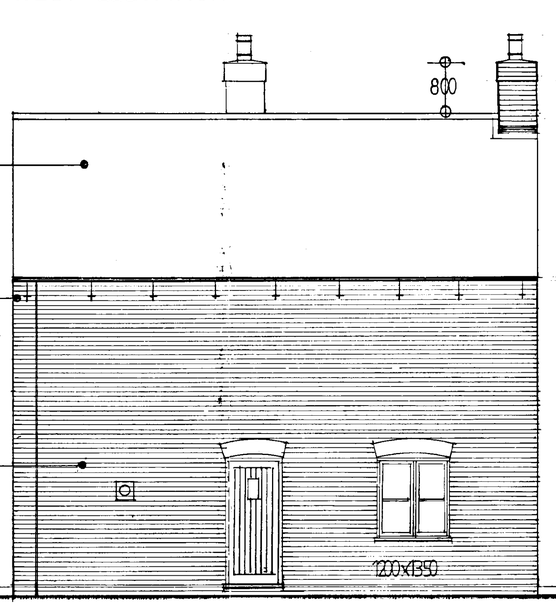
SOUTH ELEVATION



WEST ELEVATION PLOT 4



NORTH ELEVATION



EAST ELEVATION PLOT 5

AMENDED PLAN
Ref. H2

Planning & Development
- 6 MAR 2002
Ref 0715/98

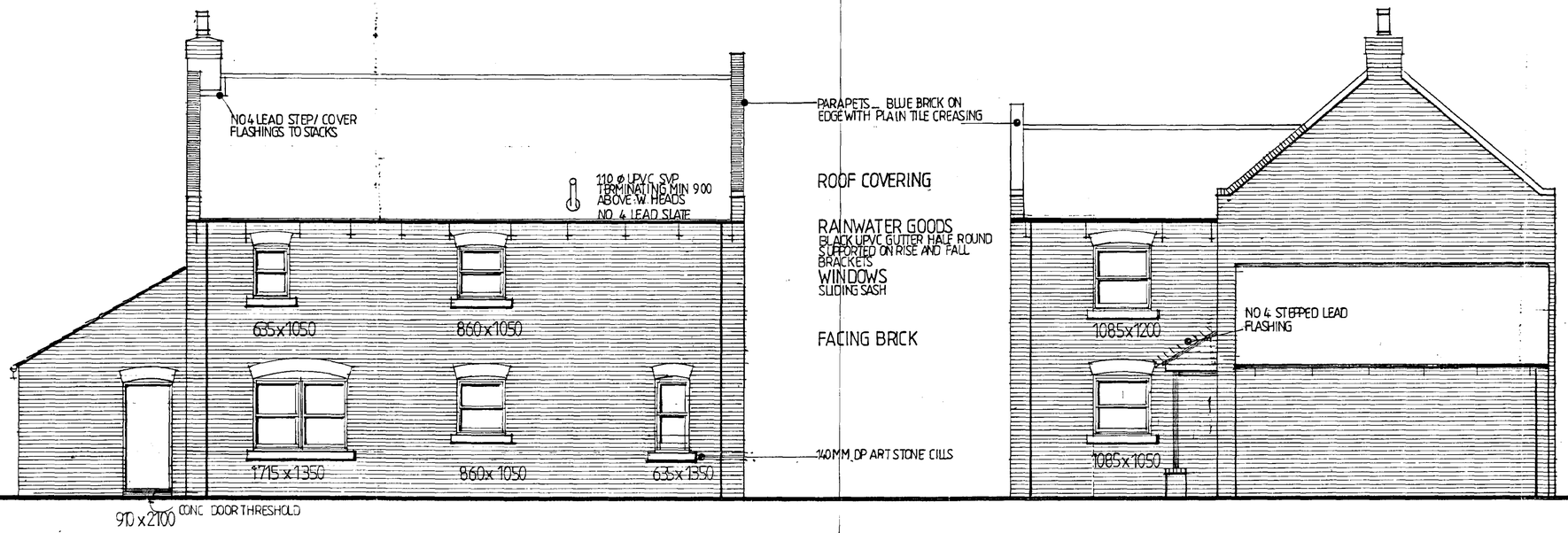
Client
CASTLE BUILDING LTD

Job Title
PROPOSED RESIDENTIAL DEVELOPMENT
FLEET ROAD FLEET HARGATE

Morley Newborn
architectural technicians
16a Portland Street Lincoln LN5 7JX Tel. Lincoln (0522) 542589
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Date JANUARY 02 | Scale 1:50
Drawing No. 1676.01.7

PLOT 6



EAST ELEVATION

NORTH ELEVATION



WEST ELEVATION



SOUTH ELEVATION

SRDC
Planning & Development
- 6 MAR 2002
Ref 0775/98

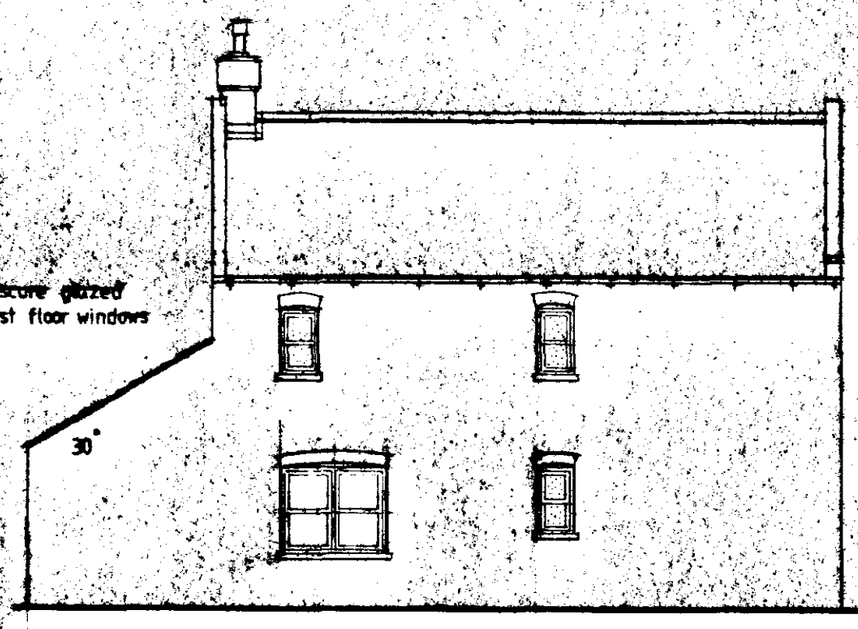
AMENDED PLAN
Ref. A2

Client
CASTLE BUILDING LTD

Job Title
PROPOSED RESIDENTIAL DEVELOPMENT
FLEET ROAD FLEET HARGATE

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

Date JANUARY 02
Scale 1:50
Drawing No. 1676.01.9



REAR ELEVATION



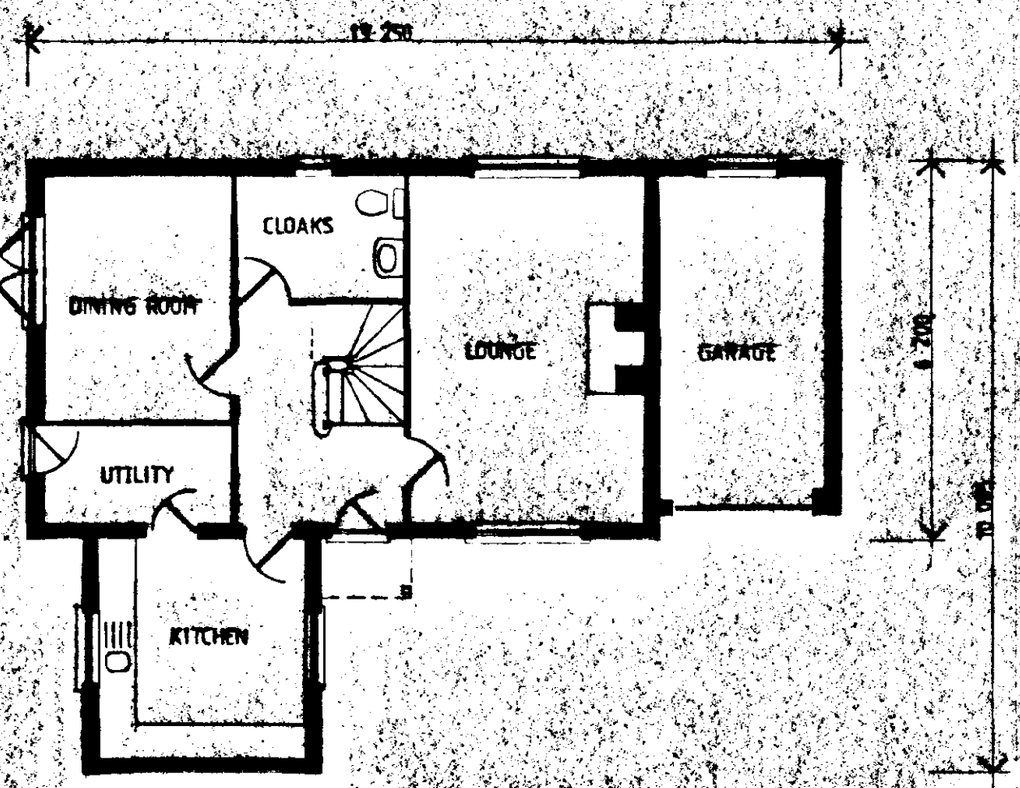
SIDE ELEVATION



W.W. GUTTERS ON RISE 'N' FALL TYPE GREY H.S. GUTTER
BRACKETS: NO FASCIA



FRONT ELEVATION



GROUND FLOOR

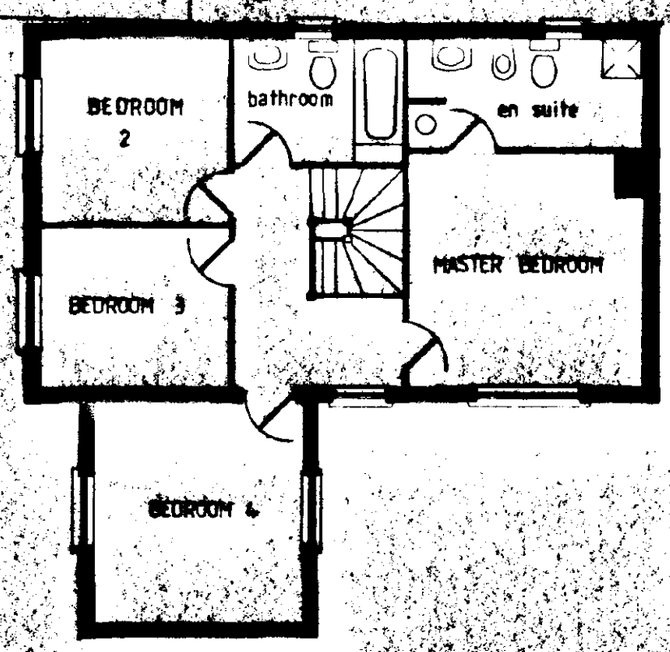
SIDE ELEVATION

FIRST FLOOR WINDOWS TO THIS ELEVATION TO HAVE ACOUSTIC VENTS

WINDOWS: BOULTON AND PAUL NON BAR S.W. SLIDING SASH
RECONSTITUTED STONE SILLS

AMENDED PLAN
Ref.

SOUTH HOLLAND DC
HOUSING & PLANNING
- 3 DEC 1998
Ref. 0775/98



DETERMINED PLAN

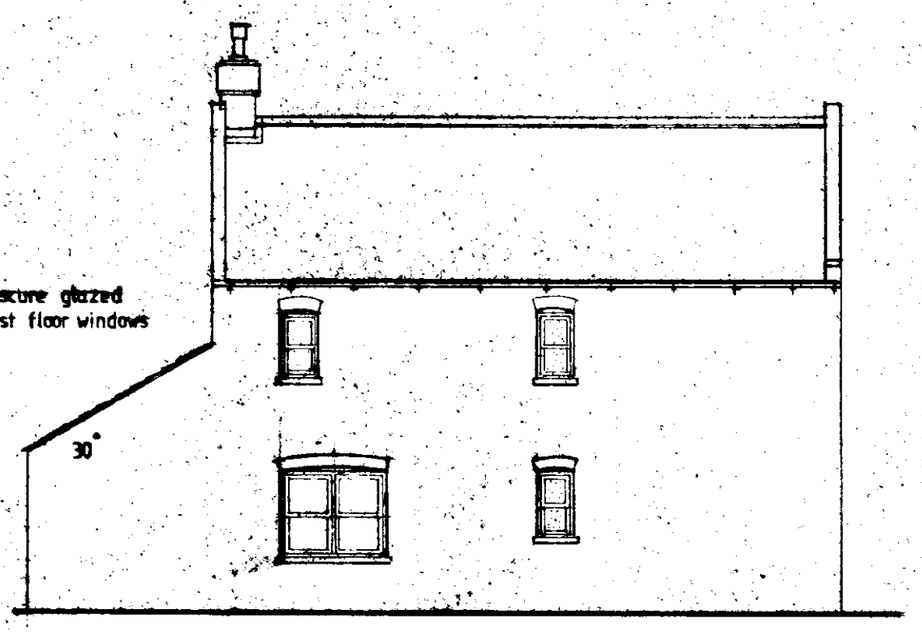
FIRST FLOOR

SCALE 1:100

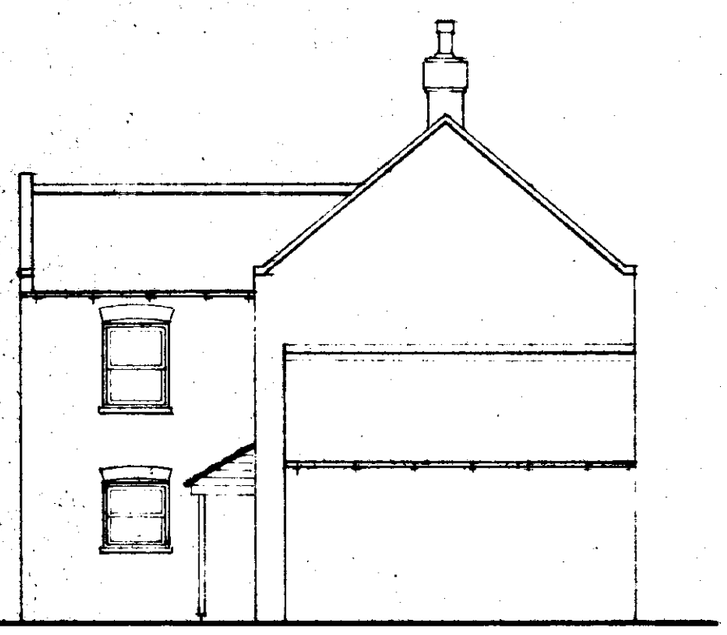
COOPER ARCHITECTURAL DESIGN
BRONAVON, HOCKLESGATE,
FLEET, SPALDING, LINC'S PE12 8UF
Tel/Fax : 01406 423782

PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

PLOT 6



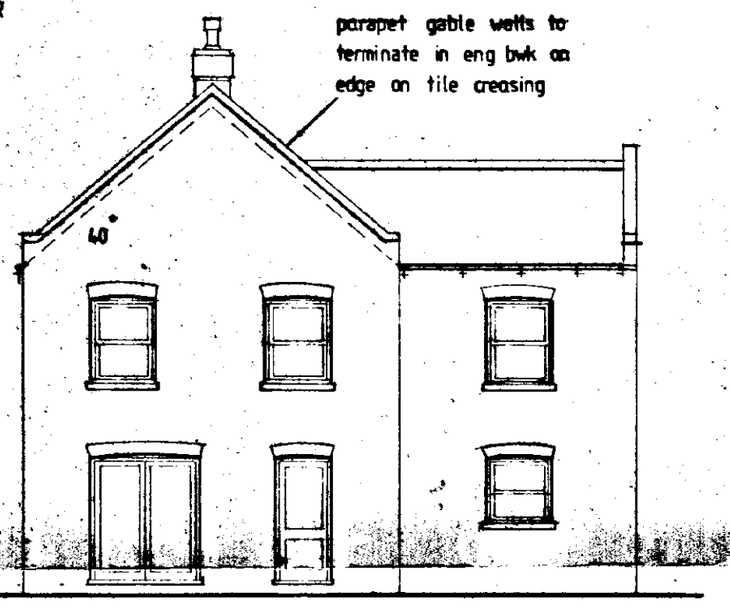
REAR ELEVATION



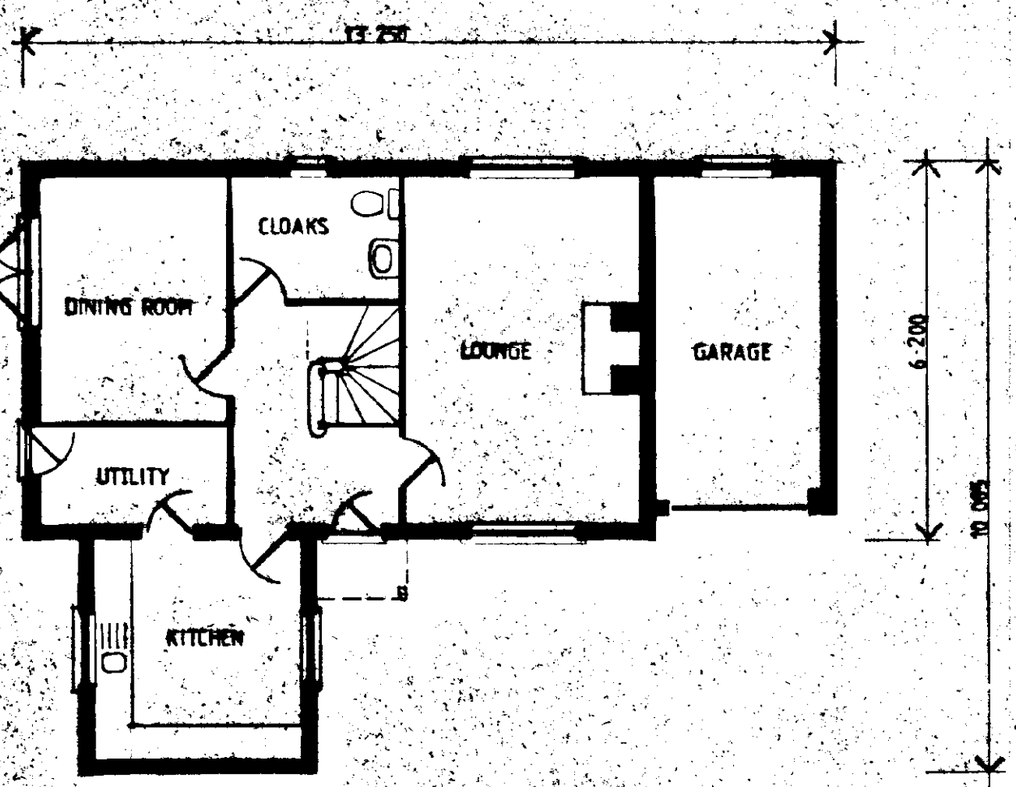


R.W. GUTTERS ON RISE 'N' FALL TYPE GALV. M.S. GUTTER
BRACKETS: NO FASCIA

FRONT ELEVATION

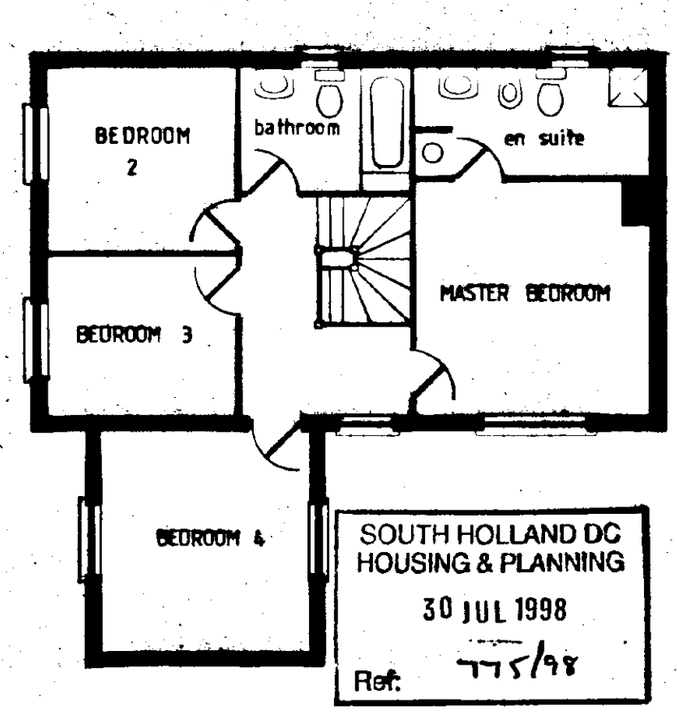


SIDE ELEVATION



GROUND FLOOR

WINDOWS: BOULTON AND PAUL NON BAR S.W. SLIDING SASH
RECONSTITUTED STONE SILLS



SOUTH HOLLAND DC
HOUSING & PLANNING
30 JUL 1998
Ref: 775/98

FIRST FLOOR

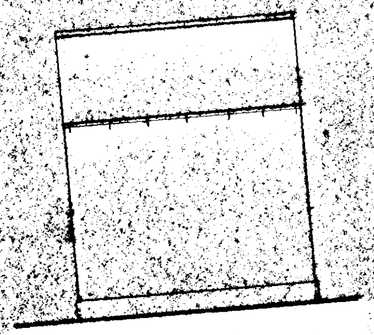
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SUPERSEDED

PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

PLOT 6

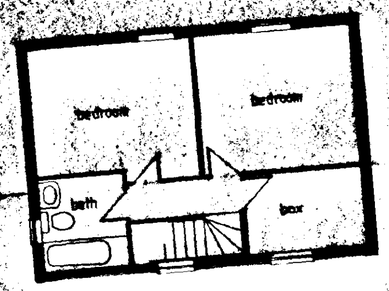
COOPER ARCHITECTURAL DESIGN
BRONAVON, HOCKLESGATE,
FLEET, SPALDING, LINC'S PE12 8LF
Tel/Fax : 01406 423782



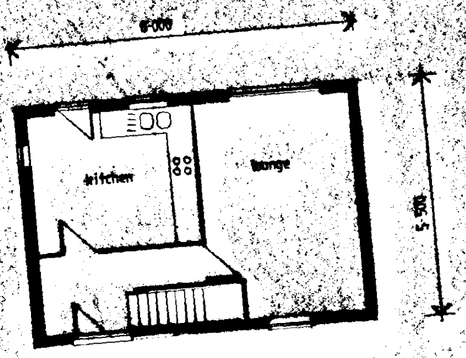
SIDE ELEVATION



REAR ELEVATION



FIRST FLOOR



GROUND FLOOR

TERRACOTTA RECLAIMED PANTILES

TILE BARS: FEATURE ONLY

45°

B&P horizontal bar casement windows

BWK SILLS TO CILL WINDOWS

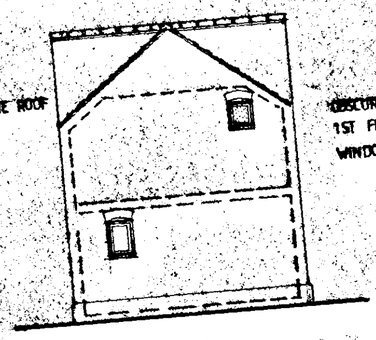
RECLAIMED RED/BROWN FACING BWK



FRONT ELEVATION

RAISED TIE ROOF

OBSCURE GLAZED 1ST FLOOR BATHROOM WINDOW



SIDE ELEVATION

DETERMINED PLAN

AMENDED PLAN

Ref.

SOUTH HOLLAND DC
HOUSING & PLANNING
- 3 DEC 1998
Ref: 0775/98

COOPER ARCHITECTURAL DESIGN
BRONNAVON, HOCKLESGATE,
FLEET, SPALDING, LINC'S PE12 8UF
Tel/Fax : 01406 423752

PROPOSED RESIDENTIAL DEVELOPMENT OFF OLD MAIN ROAD FLEET HARGATE FOR MR & MRS. R. COOLE

PLOT 1