Demolish existing outbuildings to the rear and side of existing house.

Build on new extension to the rear as shown along with new porch to the front as shown.

Brick up fireplaces where shown.

Remove ground floor internal wall where shown.

Form openings in existing 225mm solid walls where shown. Support over with IG Box 200 lintels.

Provide steel beams on piers as shown all in accordance with structural details. Encase steelwork to give minimum ½-hour fire protection.

To opening at first floor level into new extension remove part of wall and rafter as shown dotted on Section B-B. Double up rafters both sides of opening and provide 75mm x 100mm trimmer.

Provide 2 no. steps up into new extension at first floor as shown.

Re-wire complete electrics, etc.

Ground floor to be laid level with existing.

Provide new concrete ground floors to existing house as per extension but with 50mm Jablite instead of 100mm.

Provide injected DPC to existing walls.

Re-plaster all internal walls and provide new ceilings.

Replace all windows and doors with new UPVC items double-glazed with 'K' glass as per extension.

Provide new plumbing and heating systems with Calor Gas balanced flue boiler.

Remove existing roof covering and replace with second-hand slates on new battens and roofing felt (as per new roof) on existing roof timbers, which are to be checked and replaced as necessary.

Replace all gutters and rainwater pipes.

Existing chimney to be rebuilt including all necessary fleshings, etc.

Flat roof joists to be 150mm x 50mm SC3 grade at 400mm centres.

New extension to have second-hand slates and red facing bricks.

Front porch to be built in timber off concrete slab as per extension floor. Flat roof as per rear single storey extension.

To roof slope in 'room-in-roof' trusses provide 60mm Celotex insulation. Ensure minimum 50mm air gap is maintained between insulation and roofing felt.

Connect new foul drains to existing septic tank.

Roof/Wall Abutments
Provide Code 4 lead flashings and lap over roof covering. Dress up wall a minimum of 150mm (stepped on pitched abutments) and provide d.p.c. cavity tray to make completely watertight.

New/Old Walling
Where new walling meets old provide proprietary flexible wall starters.

Roof Ventilation
At eaves provide proprietary ventilation equivalent to a 10mm continuous gap along eaves.

Valleys
Use proprietary fibreglass valleys or provide Code 4 lead to valleys to make completely watertight.

Foul Water Drainage
Underground drainage to be proprietary 110mm diameter p.v.c. pipes flexible jointed to fall 1:70 bedded in 100mm pea gravel. Under building drains to be encased in 150mm pea gravel with lintel over pipes at wall abutments. Where drain passes through wall, provide suitable protection to prevent gas ingress to building. 110mm diameter soil and vent pipe to extend 900mm above window head and to terminate in balloon finial. Soil and vent pipe to be fitted with access plate at base. Provide suitably sized wastes from all appliances (in accordance with Approved Document H) complete with minimum 75mm deep sealed traps and rodding eye access points at every direction change. All above ground drainage to BS5582 and all underground drainage to BS8301. Provide seal plates both sides of pipe entry to avoid vermin entry.

Surface Water Drainage
To be proprietary 110mm diameter p.v.c. pipes flexible joined to fall 1:70 bedded in 100mm pea gravel. Pipes to discharge into 1200mm diameter soakaways sited 5000mm away from buildings.

Protection to Underground Pipes
Where pipes are not under road and have less than 600mm cover concrete paving slabs should be laid as bridging above the pipes on minimum 75mm pea gravel. If flexible pipes are under a road and have less than 900mm cover reinforced concrete bridging should be used instead of paving slabs. Provide compressible material below slab/concrete.

Inspection Chamber Construction
Proprietary polypropylene inspection chambers bedded on 150mm concrete. Form protective 255mm thick concrete collar around head of inspection chamber with 300mm projection from cover. Covers to be Grade C light duty unless inspection chambers are in driveways where Grade B medium duty covers are to be used.

First Floor Walling
Provide 50 x 75mm timber vertical studs at 400mm c/c to be constructed of 50 x 75mm timber head and sole plates. Provide 12.5mm Gyproc plasterboard and skim finish to both sides. Provide to airspace proprietary acoustic insulation (optional). Timber stud partitions running parallel to joist direction to be built off 2 no. floor joists fixed together. Provide 1 no. joist either end of stud partition joist beam to fix flooring.

Flat Roof Construction (Cold Roof)
12.7mm white spar chippings bedded on bitumen on 3no. layers built up felt (first layer asbestos based) on 12mm external grade plywood decking on 50mm to 0mm timber firrings securely spiked to treated timber joists (size stated on drawings). Provide 30 x 5mm mild steel anchor and lateral restraint straps to joists fixed to walls at maximum 1200mm c/c. Extend joists past wall and provide suitably sized fascia board complete with soffit board. Provide proprietary ventilation to soffit to offer equal to a 25mm continuous gap along eaves. Lay between joists proprietary 150mm thick insulation maintaining a 50mm air gap between insulation and plywood. Form all necessary felt drips including tilting fillets and keep felt drips clear of fascia boarding. If flat roof intersects with pitched roof ensure flat roof felt laps under felt of pitched roof by a minimum of 600mm.

Splay Bay Window Roof Construction
BLUE SLATES tiles on battens – all as main – on made-on-site roof comprising of 38 x 75mm rafters, 38 x 100mm hip rafters, 38 x 75mm jack rafters and 38 x 75mm ceiling ties. Build ceiling ties and rafters into wall min. 100mm or fix into m.s. joist. Provide roof insulation and plasterboard plus skim finish as main.

Kitchen Ventilation
Provide proprietary mechanical extract ventilation unit capable of extracting 60 lt/sec. Alternatively provide proprietary cooker hood capable of extracting 30 lt/sec.

Bathroom/En-suite Ventilation
Provide proprietary mechanical extract ventilation unit capable of extracting 15 lt/sec. System to offer intermittent operation.

Hot Water Storage
Provide system approved by BBA and installed by BBA approved installer. System to be vented and insulated in accordance with BS5615 1985. Provide thermostatic control.

Heating System
Provide room thermostat or thermostatic radiator valves or similar approved to control the output from the heating system.

Insulated Pipes and Ducts
All pipes, which do not contribute to the heating of the building, will be insulated to BS5422 1977.

Safety Glazing
Provide safety glass to BS6206 to all windows to a minimum height of 800mm above floor level plus doors to a minimum height of 1500mm above floor level. Side screens to be same as doors if within 300mm of doors.

Smoke Detection
Provide mains operated self-contained smoke alarms to BS5446 Part 1 in accordance with Approved Document B1.

Rainwater Goods
PVC rainwater goods 110mm half round gutters and 68mm diameter downpipes.

Wall Construction
275mm cavity walls to consist of:
100mm face brickwork (see site plan for details), 75mm cavity to be filled with Crown Dritherm full fill insulation in accordance with BBA Certificate No. 86/1678 or similar approved, 100mm internal skin of Celcon standard blocks or similar approved to give 0.35 U/value. Cavity walls tied together using galvanised iron or plastic twist ties spaced 900mm horizontally and 450mm vertically to BS1243, 1978. Internal blockwork walls to receive 10mm sand/cement render and skim finish.
Robust details in accordance with T50, 2001.

Habitable Room Trickle Ventilation
Provide proprietary trickle ventilators to head of windows giving a total opening area of not less than 8000mm²

Kitchen/Utility/Bathroom/WC Trickle Ventilation
Provide proprietary trickle ventilators to head of window giving a total opening area of not less than 4000mm²

Roof Insulation
To roof spaces provide proprietary 300mm thick fibreglass insulation laid as 100mm between joists and 200mm across joists or equivalent to give 0.25 U/value. Ensure a gap of 50mm between roof underfelt and quilt at all times.

Brickwork below d.p.c. to be F.L. quality

Outlets from balanced flue boilers to be at least 300mm from any openings.

Any bends in flues should not be more than 45°.

All soakaways to be minimum 1m deep.

All external lintels to be insulated type.

All external joinery to be fully draught proofed.

Loft hatch to be draught sealed and latched shut.

Insulation in roof space to meet with insulation in external cavity walls to prevent cold bridging.

To all domestic floors to external perimeter walls provide 25mm thick insulation dressed up walls to prevent cold bridging.

Hot water cylinder to be minimum 115lt capacity.

Seal all openings and joints to perimeter walls.

All doors, windows and any loft hatches to be effectively sealed and draught proofed.

First floor habitable rooms shall have means of escape windows with openings of at least 450mm wide x 450mm high and a minimum area of 0.33m²

General Notes

Do not scale from this drawing.

This drawing is copyright and may not be altered, traced, copied, photographed or used for any purpose other that that for which it is issued without written permission from Messrs Status Design.

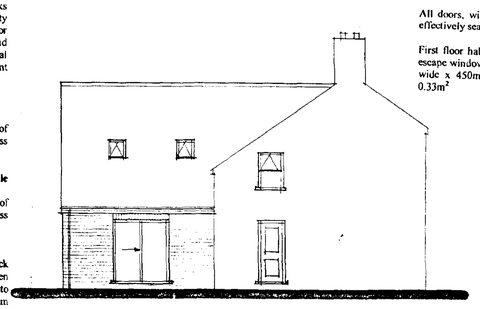
The General Contractor is to check all dimensions on site and report discrepancies to the Architect.

All details shown on this drawing are based upon typical site conditions related to the area. No responsibility can be accepted for abnormal conditions unless reported to the Architects so that design amendments may be considered.

Please note, this drawing is not a conveyance drawing.

Construction work to be carried out with due regard to the construction (Design and Management) Regulations 1994 (CDM) and the Health and Safety at work, etc. Act 1974 (HSW Act)

Proposed on-site soakaways to be maintained by the owner for the life duration of the property.



SIDE



SIDE

Ground Floor Construction
65mm sand/cement screed on proprietary 100 mm thick Jablite floor insulation or 60mm Celotex with perimeter insulation to screed on 1200 gauge polythene d.p.m. on 100mm concrete oversite of minimum 150mm, maximum 600mm well blinded and compacted hardcore. Wall d.p.c. to be floor d.p.m. by a minimum of 50mm.

Lintels
All corbel lintels as stated in Schedule or marked on plan to be by I.G. To be installed in strict accordance with manufacturers instructions. Form d.p.c. cavity tray above all lintels. To all exposed lintels i.e. not sheltered from overhanging eaves, etc. to have proprietary weepholes to joints of brickwork at approximately 450mm c/c. To be confirmed on site with Building Control Surveyor

Opening at eaves level to be L1/E lintels by I.G. or similar approved.

Sub-structure Walling
100 mm Class A dense concrete blocks. Bitumen felt d.p.c. to external walls 150mm above ground level. Weak mix infill to base of cavities to terminate 225mm below lowest d.p.c. level.

Foundations
As indicated on plan provide concrete strip foundations. To cavity walls provide 700mm wide x 225mm thick and to 100mm walls provide 450mm wide x 225mm thick, unless noted otherwise. To load bearing internal walls thicken out ground floor oversite concrete to 450mm wide x 200mm thick. Widen foundations at chimney breast accordingly and make 300mm thick. Foundations to be taken down to an approved firm base, subject to local authority specifications. Concrete to be ST3 grade unless noted otherwise. Proximity of existing and proposed trees are to be taken into account in accordance with N.H.B.C. chapter 4 when determining foundation depth.

I.G. Type L1/S75 lintels to cavity walls and I.G. type internal lintels to 100mm internal walls unless stated otherwise. . To be confirmed on site with Building Control Surveyor.

All windows to give minimum 1/20th of floor area as ventilation and to be double-glazed.

Glazing
All windows and doors to be double-glazed with minimum 16mm spacing and to use Pilkington 'K' glass or similar approved, efficiency of 0.05.

Commissioning of Heating and HWS Systems
A competent person, i.e. the main contractor or sub-contractor shall supply a Certificate of Satisfactory Compliance with Building Regulations Part L. A copy of which shall be made available to both the client and the Building Control body.

A suitable set of operating and maintenance instructions are to be made available to the client to explain to the householders how to operate the systems so that they can perform efficiently and what routine maintenance is advisable for the purpose of the conservation of fuel and power.

Internal Lighting
Provide energy efficient lights that only take lamps having a luminous efficiency greater than 40 lumens per circuit watt. Examples of lamps are fluorescent tubes and compact fluorescent lamps (note GLS tungsten lamps with bayonet cap or Edison screw bases).

Method of determining number of locations:

Number of Rooms	Recommended min number of locations
1-3	1
4-6	2
7-9	3
10-12	4

Note – Hall stairs and landing count as one room (but may contain more than one fitting).

Excludes garages, lofts and outhouses.

External Lighting Fixed to the Building
External lights include lights in porches but not lights in garages and carports.

External lights should be made to enable effective control and/or the use of efficient lamps as follows:

a) Automatically extinguish when there is enough daylight and when no required at night.

b) Have sockets that can only be used with lamps having an efficiency greater than 40 lumens per circuit watt.

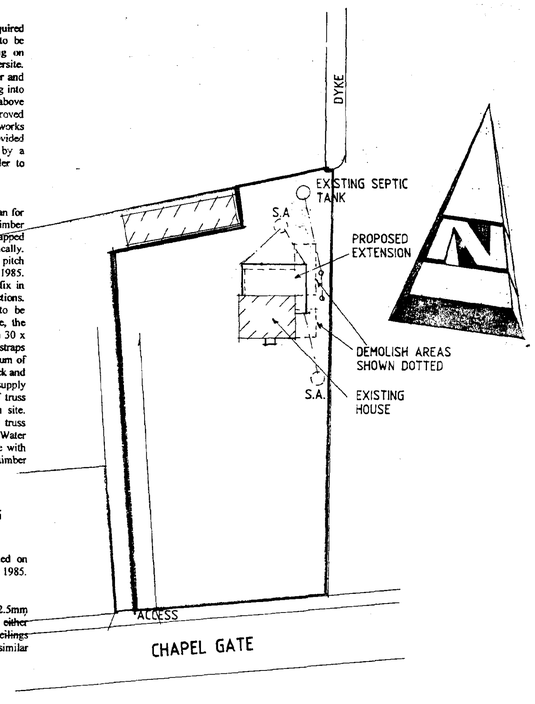
Boiler
Provide balanced flue type gas boiler of required rating in position indicated on drawing to be either a wall hung type or free standing on 125mm high concrete hearth above oversite. Boiler outlet to have protective guard cover and to be a minimum 300mm from any opening into the building which is wholly or partially above the terminal. Read in conjunction with Approved Document J1/2/3. At completion of works commissioning of heating system to be provided to the local authority Building Control by a competent Corgi registered person. Boiler to have a Sedbuk rating of 78%

Roof Construction
BLUE SLATES , (see site plan for details) on 38 x 25mm softwood treated timber battens on underfelt to BS747 (Type 1F) lapped 150mm horizontally and 100mm vertically. Prefabricated roof trusses at 600mm c/c and pitch as stated in accordance with BS5268, 1985. Provide 25 x 100mm timber bracing and fix in accordance with truss manufacturers instructions. All trusses and gable ladders (if any) to be strapped to 50 x 100mm timber wallplate, the gable wall at verges and ceiling level with 30 x 5mm mild steel anchor and lateral restraint straps to span minimum 3 no. trusses at a maximum of 1200mm c/c. At strap positions provide pack and noggins to trusses. Main contractor to supply local authority building control with roof truss calculations 28 days prior to erection on site. Provide concrete padstones at compound truss supports where required by roof design. Water storage tanks to be installed in accordance with Technical Bulletin No. 41.T.P.A. with timber support members to span 4 no. trusses.

FASCIA
75 x 25 PSE WITH OVERVENTING PIECES TO ROOF SPACE

Header Tank Support
Water tank in roof space to be supported on bearers to spread the load to BS5268 Part 3 1985.

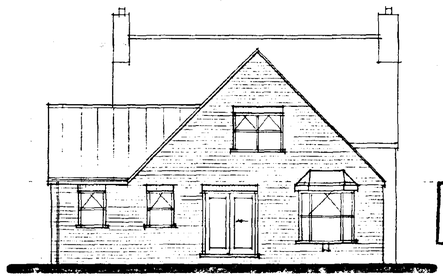
Ceilings
To all insulated roof ceilings provide 12.5mm Gyproc Duplex plasterboard or similar and other 5mm skim or Artex finish. To remaining ceilings provide 12.5mm Gyproc plasterboard or similar with finishes as above.



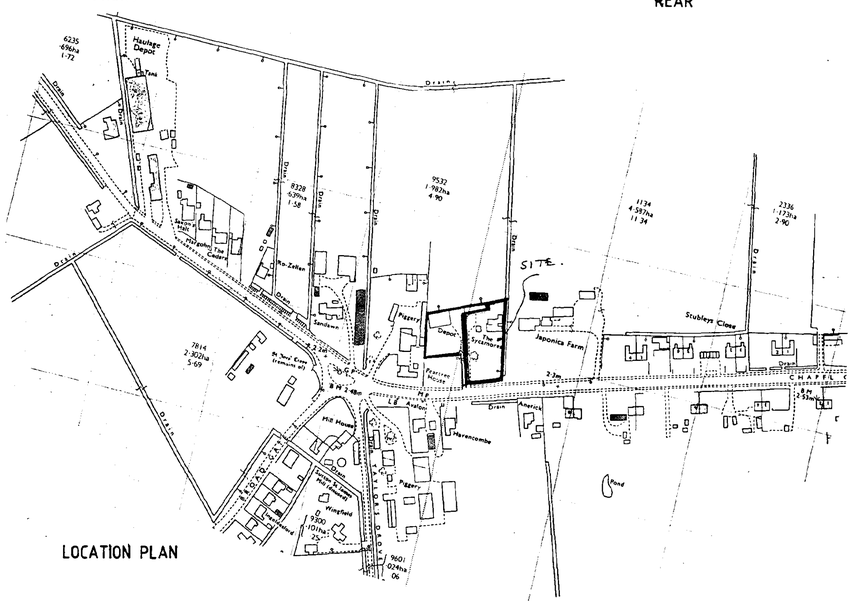
SITE PLAN



FRONT



REAR



LOCATION PLAN

THIS DRG. TO BE READ IN CONJUNCTION WITH SD03-016/1

DETERMINED
PLAN

SHDC
Planning Development
17 FEB 03
Ref 0161/03

A - ALTS - 11.2.03

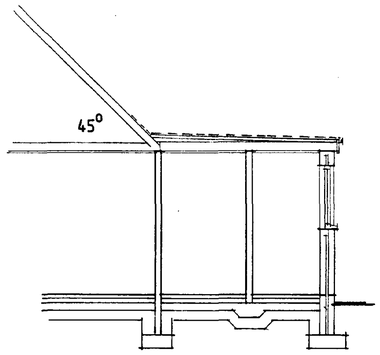
Status DESIGN
CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED EXTENSION & ALTERATIONS TO THE SYCAMORES, CHAPEL GATE, SUTTON ST. JAMES FOR

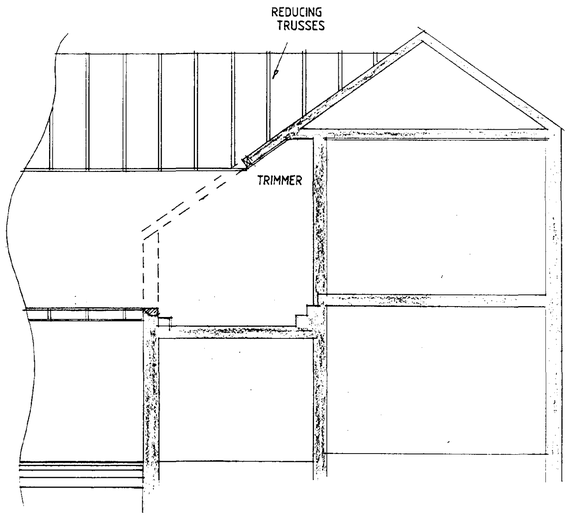
MR. M. MEDI.

1:500 1:2500 1:100	SD03-016/2
FEB-03	B.GILHAM.

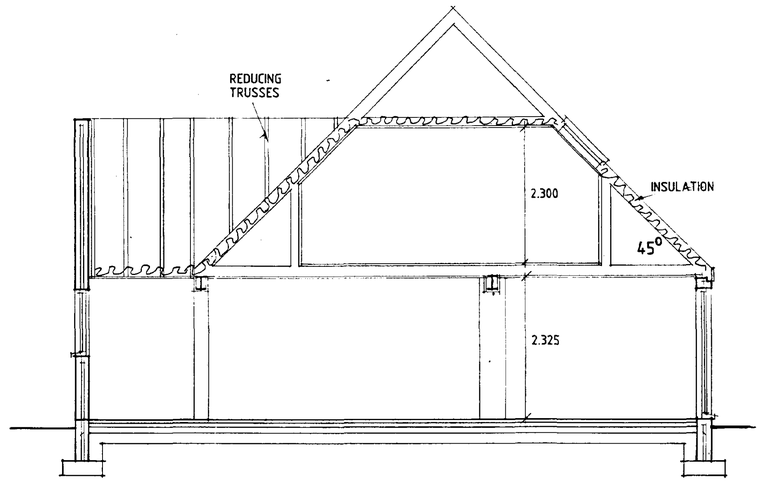
2 Edinburgh Walk, Holbeach, Spalding, Lincs. PE12 7AP.
Tel: 01406 424343 Fax: 01406 490702



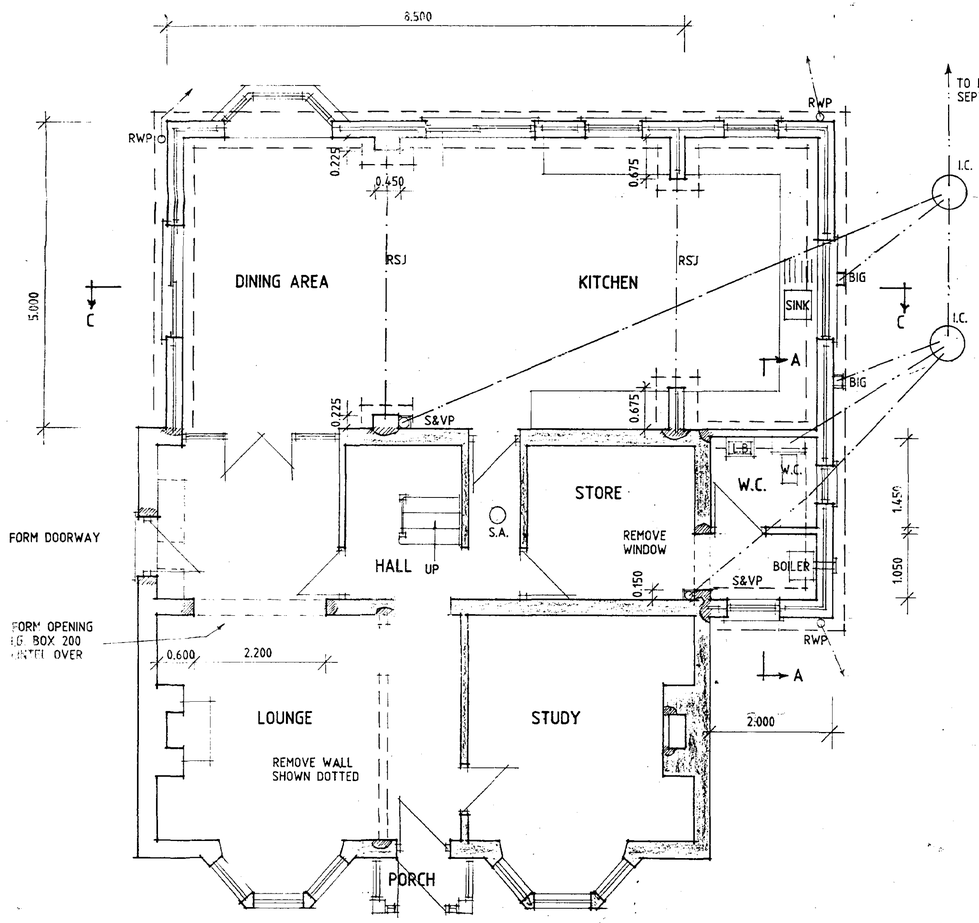
SECTION A-A



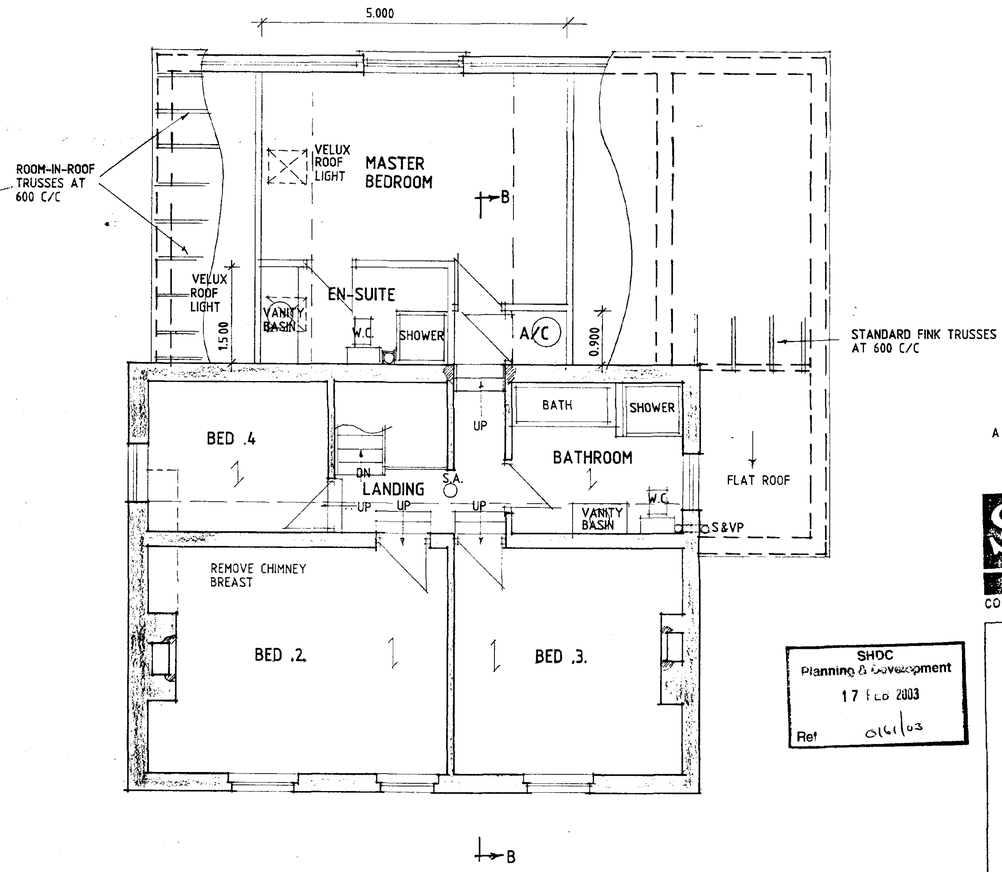
SECTION B-B



SECTION C-C



GROUND FLOOR PLAN



FIRST FLOOR PLAN

A - ALTS - 11.2.03

DETERMINED PLAN

SHDC
Planning & Development
17 FEB 2003
Ref 0161/03

Status DESIGN
CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED EXTENSION & ALTERATIONS TO THE SYCAMORES, CHAPEL GATE, SUTTON ST. JAMES FOR

MR. M. MEDI.

1:50	SD03-016/1
FEB-03	B.GILHAM.

2 Edinburgh Walk, Holbeach,
Spalding, Lincs. PE12 7AP.
Tel: 01406 424343 Fax: 01406 490702