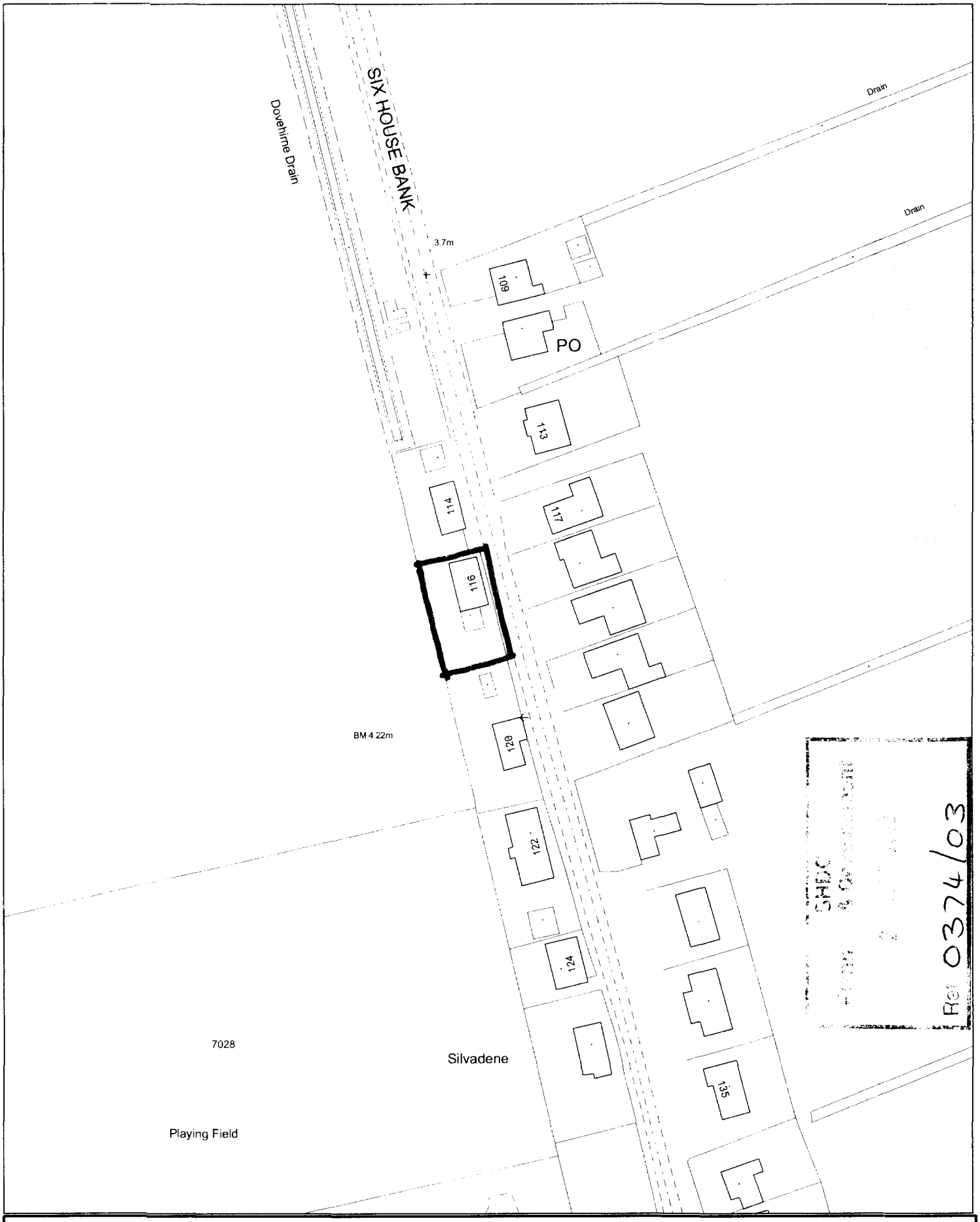


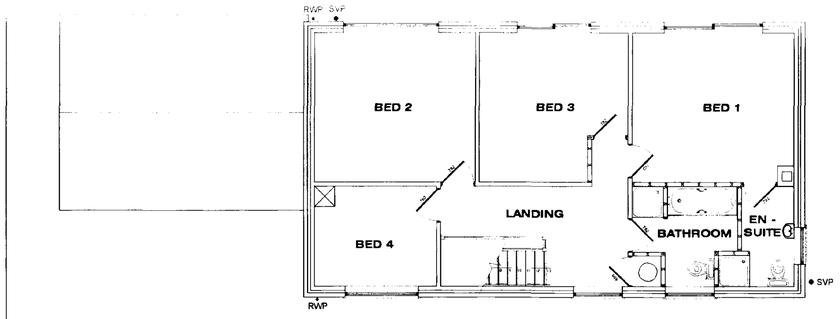
SOUTH HOLLAND DISTRICT COUNCIL

Council Offices, Priory Road, Spalding, Lincolnshire PE11 2XE

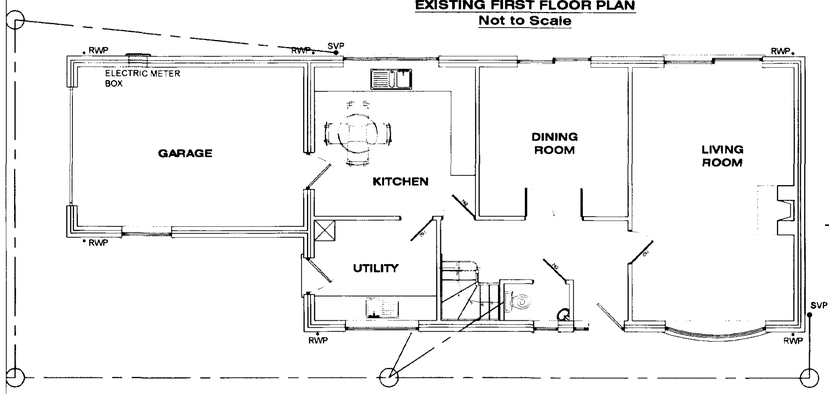
This copy has been produced specifically for the map return scheme purposes only. No further copies may be made.

Scale: 1:1250

This map is reproduced from Ordnance Survey material with permission of Ordnance Survey on behalf of Her Majesty's Stationery Office (c) Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. South Holland District Council LA079413 2003

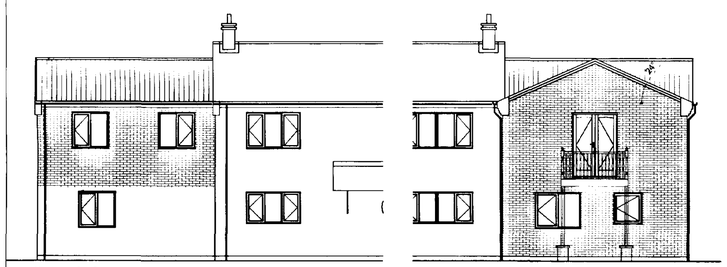


EXISTING FIRST FLOOR PLAN
Not to Scale





EXISTING FRONT ELEVATION
Scale 1:100

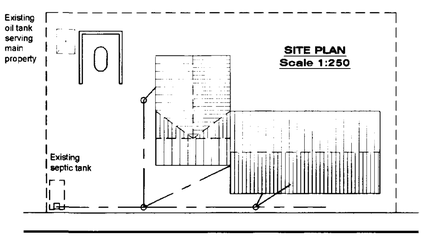


All window first floor opening vents to extension to allow means of escape in an emergency situation.Opening vent to be min 450 wide in each direction with an area of 0.33m² Cill level to be within 800mm & 1100mm of FFL and fitted with egress hinges.

PROPOSED FRONT ELEVATION
Scale 1:100

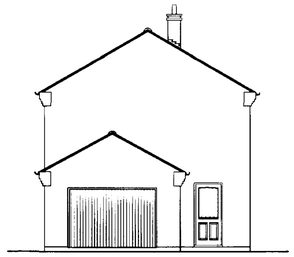
PROPOSED REAR ELEVATION
Scale 1:100

Proposed Annexe to be served by LPG storage tank.Provide 100mm thk concrete blockwork fire wall around tank at least as high as the pressure relief valve.Tank to be seated on 150mm thk concrete base.Firewall to be 1.5m from boundary and 1m from tank.



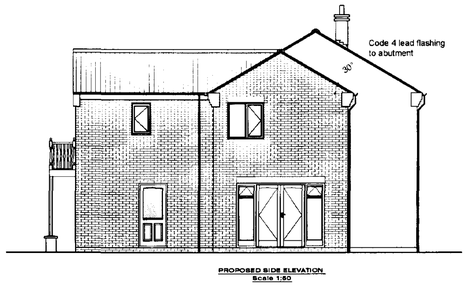
SITE PLAN
Scale 1:250

S I X H O U S E B A N K



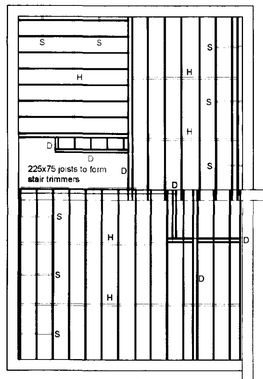
EXISTING SIDE ELEVATION
Scale 1:100

Staircase to be standard B & P design. Stair layout to have 223mm going, 200mm rise, 905mm o/all width of stair trimmers with 810mm unobstructed width, 2000mm clear headroom, 905mm raking handrail height



PROPOSED SIDE ELEVATION
Scale 1:50

225x50 joists @ max 400mm ctrs Herringbone strutting @ mid point to spans over 2m Solid Strutting at third points to spans over 4m.Joists to be supported at all junctions with approved Joist Hangers.



30x5 m/s anchor straps (S) @ 2m ctrs

ALL TIMBER TO BE SC3 GRADE

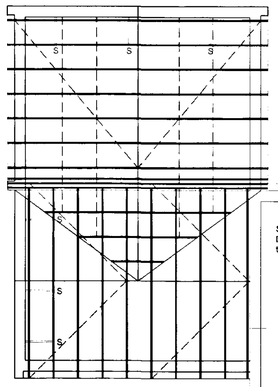
Lay 22mm Weyroc Tongue and Grooved flooring grade wood particle boarding or equal approved on top of first floor joists with staggered joints

All cut ends of joists to be sealed with suitable preservative

JOIST PLAN
Not to Scale

NOTE:MANUFACTURER'S DETAILS & CALCULATIONS TO BE FORWARDED TO SHDC'S BUILDING CONTROL OFFICER FOR APPROVAL AT LEAST 21 DAYS PRIOR TO FIXING ON SITE

Trussed Rafters to be at max.600mm ctrs.Roof construction to be designed strictly in accordance with BS5268 Part 3.1985 and to specialist manufacturers design drawings.Calculations to be submitted to the L.A building inspectors approval prior to any materials being placed on order.



30x5 ms straps over 2no. trusses at max 2m ctrs to gable ends and ceiling level. 1no.gable strap to be within 500mm of ridge.

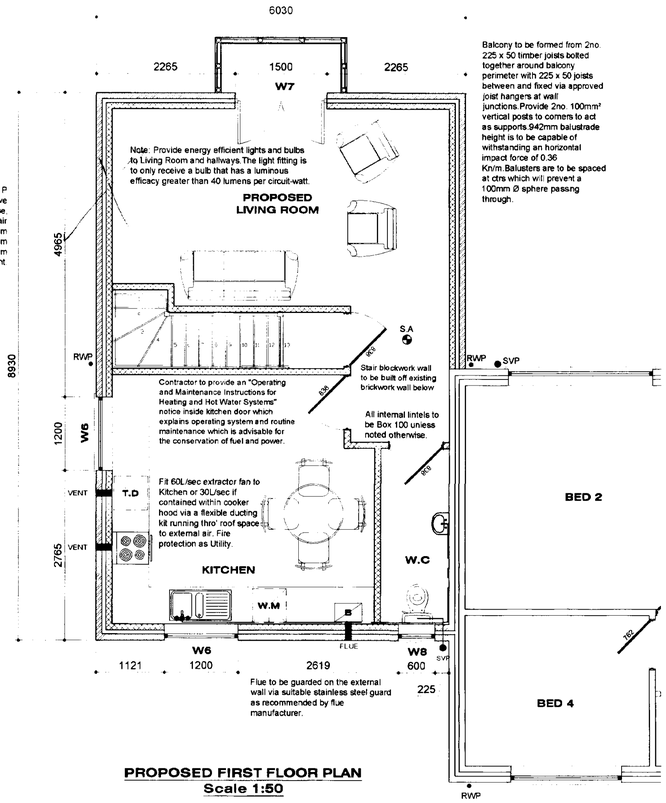
Specialist Girder and Diminishing Valley trusses

All 25X100 diagonal and longitudinal wind bracing chevron bracing, ceiling tie bracing etc to be free from all major defects and any weak points and fixed all in accordance with manufacturers details.Lap joints (if required) to be taken over 2no trusses all in accordance with BS5268 Part 3 - 1985.Bracing to be fixed with 2no. 3.35 x 65mm galvanised round wire nails at each cross over.

Note:Provide 50x50 timber noggings for partition head fixing and pendant light fixings.Position of light fixings to be agreed on site with client.

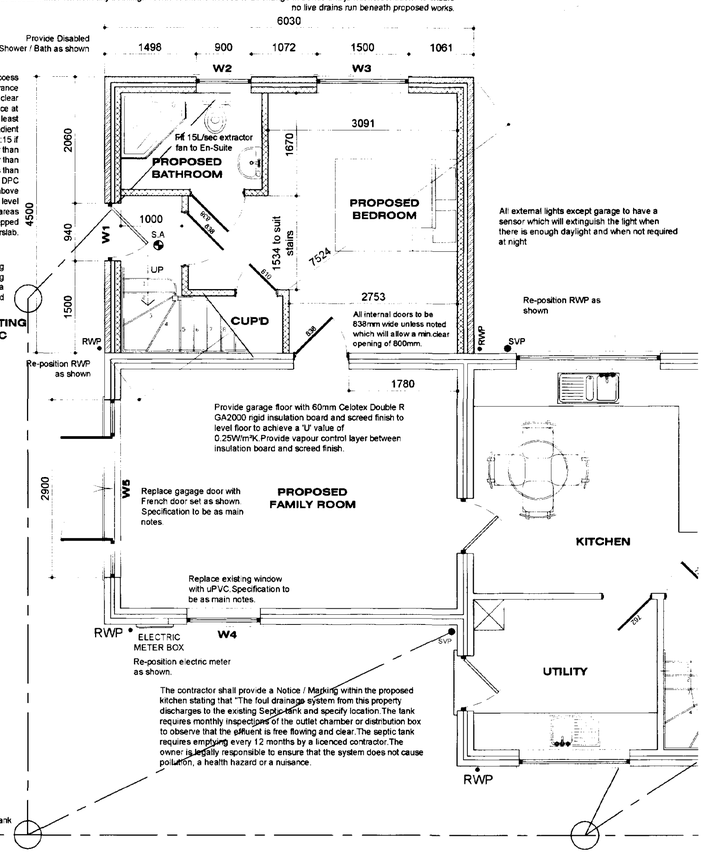
Soffit and fascia profile to match existing fitted strictly in accordance with manufacturers recommendations.

PROPOSED ROOF PLAN



PROPOSED FIRST FLOOR PLAN
Scale 1:50

Underground drains to be as rainwater drainage but with min 1:80 and max 1:40 falls.Fall of drains from gullies to be 1:40.All drains passing thro' walls to have concrete lintel over with 50mm space around filled with compressible material and opening masked with durable rigid sheet to prevent ingress of vermin or back fill.Drain runs must not be any lower than foundation depth unless min.of 1m from any building.Provide roddable access to all change in bends and junctions.Contractor to ensure no live drains run beneath proposed works.



Window Code	Width x Height	Lintel
W1	940 x 2100	L1/S50 - 1250mm LG
W2	900 x 1060	L1/S50 - 1200mm LG
W3	1500 x 1200	L1/S50 - 1800mm LG
W4	1200 x 1200	L1/S50 - 1500mm LG
W5	2900 x 2100	L1/HD50 - 3200mm LG
W6	1200 x 1060	L1/S50 - 1500mm LG
W7	1500 X 2100	L1/S50 - 1800mm LG
W8	600 x 1060	L1/S50 - 900mm LG

RAINWATER DRAINAGE
Brown uPVC guttering and downpipes to clients approval.Falls for guttering to be 1:600 and brackets fixed at max. 2m ctrs.Downpipes to be connected into underground drains via reducing adapter.Underground drains to be 110mm Ø Osma uPVC or similar approved with flexible joints laid on 100mm peagravel and min 150mm surrounds laid to 1:100 falls to new soakaway.Soakaway specification detailed elsewhere.

ROOF VENTILATION
Roof ventilation to be achieved via soffit level ventilators complete with integral insect proof screens which will supply the roof space with ventilation equivalent to a continuous 25mm gap.Provide at both sides of roof to ensure cross ventilation.

CEILINGS
All ceilings to be 12.7mm plasterboard to BS1230. Ceilings to be have Coving and an Artex finish to clients requirements.Plasterboard sheets to be fixed with joints staggered and must be layed perpendicular to all joist runs.Fix boards at a min.150mm centres.

SMOKE ALARMS
To be self contained,interconnected and wired to a separately fused circuit with a battery back up.Smoke alarms to be fitted to u/side of plasterboard ceiling to the ground floor max 7m from the kitchen / lounge and to be max. 3m from any bedroom door. All alarms to be strictly in accordance with BS 5446 and to be wired that when one alarm is triggered all alarms are activated.

WASTE SIZES FOR NEW PLUMBING
All new plumbing to have the following waste sizes:
W.C=100mm ø Multiswirk or similar approved
W.H.B=32mm ø uPVC with 75mm Deep sealed trap
SINK=40mm ø uPVC with 75mm Deep sealed trap
SHOWER=40mm ø uPVC with 75mm Deep sealed trap
Provide access points to all changes in direction.Provide anti-siphon traps where pipe runs exceed 3m and W.H.B pipe run exceeds 1.8m

NOGGINGS
Fix 38x38mm timber noggings to all potential loose plasterboard ceiling edges and light fittings.Position of light fittings to be advised by client on site.

INTERNAL JOINERY ,SKIRTING & ARCHITRAVES
All internal finished timber to be free from all defects and to clients approval prior to ordering any materials.

ELECTRICAL INSTALLATION
To be in strict accordance with the latest I.E.E Regulations and Engineer to advise if any appliance or position of appliance does not conform to regulations. Contractor to seek advice from Client with regard to lighting requirements.

ROOF INSULATION
Lay 300mm mineral fibre insulation to roof area to achieve a 'U' value of 0.16w/m²K 100mm between rafters and 200mm over rafters at right angles to first layer.Fix Dovetail rafter tray in accordance with manufacturers instructions or similar approved where insulation meets roof slope to maintain roof ventilation.

ROOF / LOFT ACCESS
Provide insulated roof access trap door with a fully weathered sealed frame and a 38mm brass bolt or to clients requirements.

ROOF FINISH
Concrete interlocking roof tiles to Clients requirements / approval in accordance with manufacturers instructions on 50x25 preservative treated timber battens on untearable sarking felt type 1F with min.150mm overlaps.Generally all tiles at perimeter of roof to be clipped and nailed.

HEATING SYSTEM
Provide a Low Pressure Hot water Central system via Gas Fired Boiler and cylcinder complete with fan assisted flue and combustion air vent. Balanced flue to be located on external wall within 2m of ground level. Area of vent is to be in strict accordance with manufacturer's recommendations.Boiler to have a SEDBUK rating of 85 % .Electrical operated boiler control interlocks are to control the operating periods of the boiler which in turn is controlled by a room thermostat positioned in proposed living room.The boiler should only fire when the space heating or the Cyclinder termostat calls for heat.All radiators are to be fitted with thermostatic radiator valves. The hot water cyclinder is to be insulated with a factory applied PU foam coating at least 35mm thick having a min. density of 35kg/m³. All space heating pipework located outside the building fabric insulation layers to be wrapped with insulation material having a thermal conductivity at 40°C not exceeding 0.035 W/m°K and a thickness equal to the outside diameter of pipe upto max. of 40mm.It should be noted that central heating and hot water pipework in unheated areas may need increased insulation thicknesses for the purpose of protection against frost, refer to BRE Report No 262 2002 Edition.

COMMISSIONING OF HEATING AND HOT WATER SYSTEM
Contractor to submit a cetificate to show that commissioning has been successfully carried out. The certificate should be made available to the Client and SHDC building inspectors. A suitable certificate should be one published as part of the Benchmark Code of Practice for Installation, Commissioning and Servicing of Central Heating Systems, a blank copy may be included within the boiler manufacturers installations instructions or from C.H information Council on Tel no: 01926 423 284.

ACCESSIBLE SWITCHES & SOCKETS
Inorder to use the dwelling more easily by all persons then wall mounted switches, sockets, TV sockets, telephone jack points and door bells..... etc should be positioned between 450mm and 1200mm from finished floor level.Door bells & light switches to be fitted 1200mm from FFL and the remainder 450mm from FFL.

TIMBER WALLPLATES
All timber wallplates supporting roof trusses to be 100mm x 50mm bedded on top of wall.Timber to be SC3 grade.Provide anchor straps as described in notes elsewhere.

LATERAL RESTRAINT STRAPS
Tie roof structure to blockwork wall with 30X5 galvanised mild steel straps at max 1.8m ctrs where rafters and ceiling joists run parallel to blockwork walls.Also fit at max 1.8m ctrs to anchor wallplate to blockwork wall with min 3no. fixings per strap.

SOAKAWAYS
All rainwater to discharge into soakaways and to be min of 5m from any building & a min.of 1m³ filled with rubble to within 450mm of external ground level.Overlay rubble with polythene sheet and backfill with clean topsoil.Note the soakaway inlet pipe must discharge to the centre of the soakaway in all directions.

FOUNDATIONS
Existing building area to be stripped of all vegetable matter and rubbish to a min.depth of 150mm before excavation commences.Concrete mix for foundations to be GEN3 in accordance with BS5328:1981.Foundations to external wall to be min.700mm wide x 225mm deep.Excavate down to solid firm strata i.e 750mm deep (min.1000mm if soil is of a shrinkable nature).Exact depth to suit conditions on site and to the strict approval of the L.A Building Inspector.Any irregularities in subsoil during excavation to be brought to the immediate attention of the Building Inspector & advice to be sought from a Chartered Structural Engineer.

WALLS BELOW D.P.C
3no.Coarse/s of Class B brickwork below D.P.C on outer face and 1no.coarse of 7N/mm2 on inner skin of cavity face.Elsewhere to be either 7N/mm2 concrete blockwork or full width trench blocks.Both to be within 225mm of DPC level.Cavity to be filled to within 225mm min. of below DPC with lean concrete mix.

GROUND FLOOR
65mm mortar screed with a light gauge reinforcing chicken wire on 500 gauge polythene separating layer on a 50mm Celotex Double R GA2000 rigid insulation board or similar approved, provide 30mm thick perimeter insulation between screed and floor insulation upto d.p.c level on 100mm thick GEN3 concrete sub-floor on a 1200 gauge DPM lapped onto DPC within walls on min.150mm clean and well compacted hardcore.Depth of hardcore must not exceed 600mm and must be compacted in 150mm thick layers.All service entries to be sealed with pressure sensitive tape. Floor to achieve a min 'U' Value of 0.25w/m²K.

DAMP PROOF COARSE (D.P.C)
Horizontal heavy duty polythene DPC "Hyload" or similar approved to all walls in accordance with BS 6515 and set min.150mm above all external ground levels.DPC in walls must be linked / lapped with DPM in ground floor.Provide performed cavity wall trays above windows & doors with weep vents at a max.of 2m centres with a min.of 2no.per opening.

EXTERNAL WALLS
All external walls to be 265mm overall thickness comprising of
-100mm Brickwork to match existing
-65mm cavity filled with Crown Dritherm (or equal approved) built in as work progresses.
-100mm Thermalite Shield insulating blockwork.
Continue wall insulation at least 150mm below top of perimeter floor insulation and support off wall ties.
External wall to achieve a min 'U' value of 0.35w/m²K
Provide reconstituted stone subcills to windows as shown.Subcill to clients approval. Ensure subcills are fully protected throughout duration of building works.

CAVITIES
Close all cavity walls at jambs with Thermabate or similar approved.Insulated cavity closers fitted strictly in accordance with manufacturers instructions. Close top of cavity walls with 75mm Dritherm or similar approved insulation batt supported on wall ties.

MORTAR
All mortar to be 6:1:1 sand/cement/lime or equally approved and to be a consistent colour throughout duration of contract.Finish mortar joints as agreed with Client on site.

WALL TIES
Cavity wall ties to BS1243:1978.To be built into cavity wall as worka proceeds and spaced at 900mm centres horizontally 450mm centres vertically and 300mm staggered around all openings.

LINTELS
All lintels to cavity wall to be factory insulated I.G.L1 range unless noted otherwise or equalled approved.All lintels must have a min.150mm endbearing and installed in accordance with manufacturer's instructions. Note: lintels are not to have a continuous baseplate.

WINDOWS
All windows to be Brown uPVC double glazed to match existing with 6000mm² trickle ventilators all in accordance with clients requirements.Opening vents to give ⅛ th of floor area rapid ventilation to all rooms.All glazing to meet the requirements of section N of the Building Regulations and BS6206 class B.All double glazed units to be installed in accordance with BS 6262 and to have a 16mm Air gap with a Low 'E' glass inner pane to achieve a min 'U' value of 2.0 w/m²K.Note all windows to have a perimeter weatherseal both internally and externally.Provide frosted glass to all bathroom and En-suite windows.

ROOF CONSTRUCTION
To be Trussed Rafters designed and constructed in accordance with BS 5268 Part 3.1985 all by specialist approved manufacturer.Trusses to be set at max.600mm centres with all necessary 100x25 bracing.Truss manufacturer to provide all necessary calculations and details to the Client / Contractor for L.A Building inspectors approval prior to installation of any roof truss.

Planning Department
21 MAR 2003
Ref: 0374/03

GENERAL CONDITIONS
Contractors are responsible for checking all dimensions on site when work commences and before ordering any materials.Any discrepancies should be brought to the attention of the Client for remedial action before commencing further.

All details shown are based on typical site conditions for that area, any abnormal conditions should be brought to the attention of the Client and Local Authority.

The notes shown are mainly to cover the requirements of Building Regulations and should not be treated as full specification.

No allowance has been made for any Structural Calculations,a "SAP" calculation, Soil investigation or Flood Risk Assessment if deemed necessary then these will be a chargeable extra.All steel beam sizes shown on drawing are all subject to confirmation from Structural Engineer.

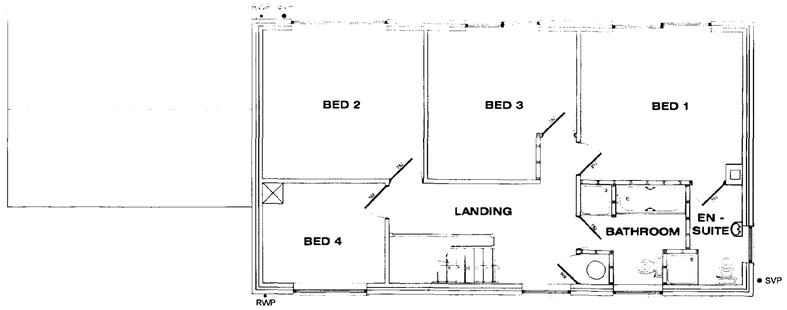
All materials not specified to be of a standard suitable for the work

REV DESCRIPTION

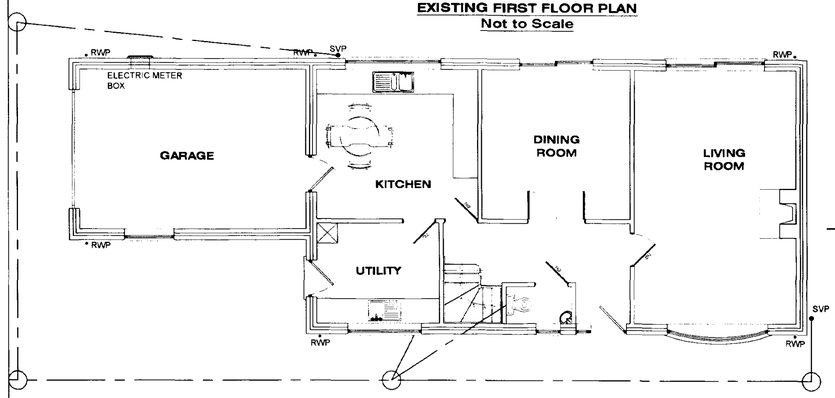
remway design
3 Rembrandt Way
Spalding
Lincs
PE11 3HX
Tel: 07815 112 058
Fax: 01775 768 921
e-mail: jason@remwaydesign.co.uk

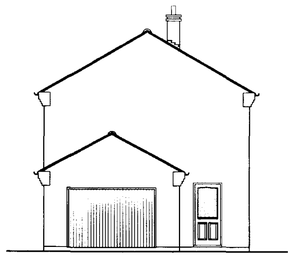
Project
Proposed Kitchen, Living Room & Bedroom Extension.

Client:
Mr A Sapsford
116 Six House Bank
West Pinchbeck
PE11 3QJ



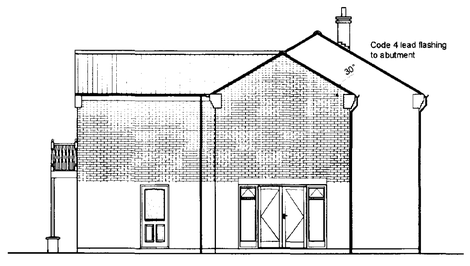
EXISTING FIRST FLOOR PLAN
Not to Scale





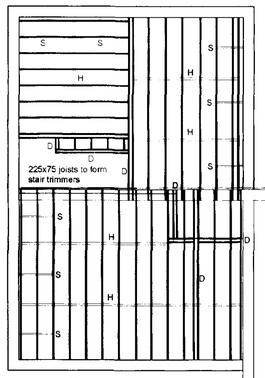
EXISTING SIDE ELEVATION
Scale 1:100

Staircase to be standard B & P design. Stair layout to have 223mm going, 200mm rise, 905mm o/all width of stair trimmers with 810mm unobstructed width, 2000mm clear headroom, 905mm raking handrail height.



PROPOSED SIDE ELEVATION
Scale 1:50

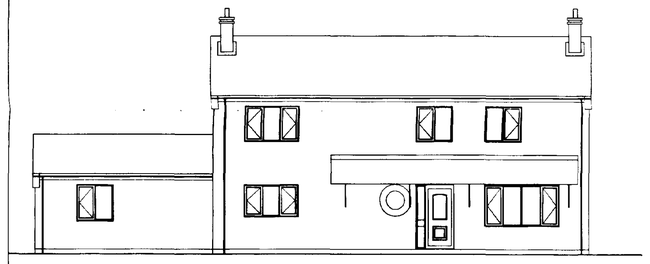
225x50 joists @ max.400mm ctrs Herringbone strutting @ mid point to spans over 2m.Solid Strutting at third points to spans over 4m Joists to be supported at all junctions with approved Joist Hangers.



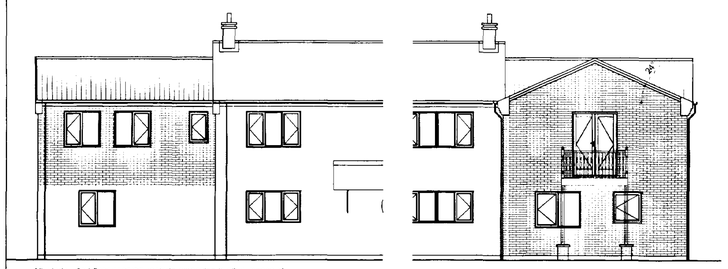
30x5 m/s anchor straps (S) @ 2m ctrs

ALL TIMBER TO BE SC3 GRADE

All cut ends of joists to be sealed with suitable preservative



EXISTING FRONT ELEVATION
Scale 1:100

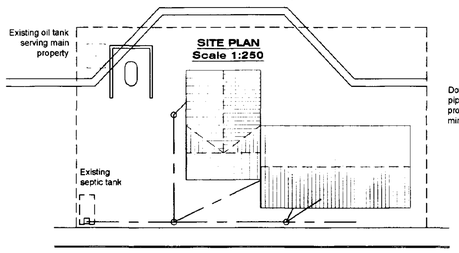


All window first floor opening vents to extension to allow means of escape in an emergency situation.Opening vent to be min.450 wide in each direction with an area of 0.33m². Cill level to be within 800mm & 1100mm of FFL and fitted with egress hinges.

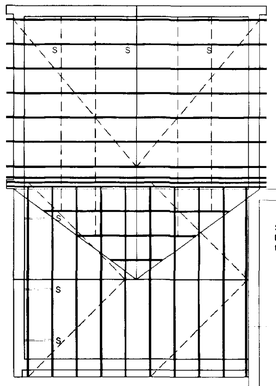
PROPOSED REAR ELEVATION
Scale 1:100

PROPOSED FRONT ELEVATION
Scale 1:100

Proposed Annexe to be served by LPG storage tank.Provide 100mm thk concrete blockwork fire wall around tank at least as high as the pressure relief valve.Tank to be seated on 150mm thk concrete base.Firewall to be 1.5m from boundary and 1m from tank.



SIX HOUSE BANK



30x5 ms straps over 2no. trusses at max 2m ctrs to gable ends and ceiling level. 1no gable strap to be within 500mm of ridge.

All 25X100 diagonal and longitudinal wind bracing, chevron bracing, ceiling tie bracing etc to be free from all major defects and any weak points and fixed all in accordance with manufacturers details.Lap joints (if required) to be taken over 2no trusses at in accordance with BS5268 Part 3 - 1985.Bracing to be fixed with 2no. 3.35 x 65mm galvanised round wire nails at each cross over.

Note:Provide 50x50 timber noggings for partition head fixing and pendant light fixings.Position of light fixings to be agreed on site with client.

Soffit and fascia profile to match existing fitted strictly in accordance with manufacturer's recommendations.

Specialist Girder and Diminishing Valley trusses

JOIST PLAN
Not to Scale

NOTE:MANUFACTURER'S DETAILS & CALCULATIONS TO BE FORWARDED TO SHDC'S BUILDING CONTROL OFFICER FOR APPROVAL AT LEAST 21 DAYS PRIOR TO FIXING ON SITE

Trussed Rafters to be at max 600mm ctrs.Roof construction to be designed strictly in accordance with BS5268 Part 3 1985 and to specialist manufacturers design drawings.Calculations to be submitted to the L.A building inspectors approval prior to any materials being placed on order.

2no.225x50 joists (D) to be doubled-up under lightweight blockwork walls

Lay 22mm Weyroc Tongue and Grooved flooring grade wood particle boarding or equal approved on top of first floor joists with staggered joints.

Provide Disabled Shower / Bath as shown

Provide sloped access ramp to front entrance door with min.1m clear opening.Level surface at door position to be at least 1.2m² with sloped gradient of not steeper than 1:15 if slope is not longer than 10m or not steeper than 1:12 if slope is less than 5m.Note additional DPC required at coarse above usual DPC level to level landing / sloped areas only.Ensure DPC is lapped with DPM in floorslab.

Entrance doors to dwelling to have min.clear opening width 800mm and within a level threshold

EXISTING I.C

Re-position RWP as shown

Underground drains to be as rainwater drainage but with min.1:80 and max.1 40 falls.Fall of drains from gullies to be 1:40.All drains passing thro' walls to have concrete lintel over with 50mm space around filled with compressible material and opening masked with durable rigid sheet to prevent ingress of vermin or back fill.Drain runs must not be any lower than foundation depth unless min.of 1m from any building.Provide roddable access to all change in bends and junctions.Contractor to ensure no live drains run beneath proposed works.

PROPOSED FIRST FLOOR PLAN
Scale 1:50

Fit 15L/sec extractor fan to En-Suite

All external lights except garage to have a sensor which will extinguish the light when there is enough daylight and when not required at night

Re-position RWP as shown

Provide garage floor with 60mm Celotex Double R GA2000 rigid insulation board and screed finish to level floor to achieve a 'U' value of 0.25W/m²K.Provide vapour control layer between insulation board and screed finish.

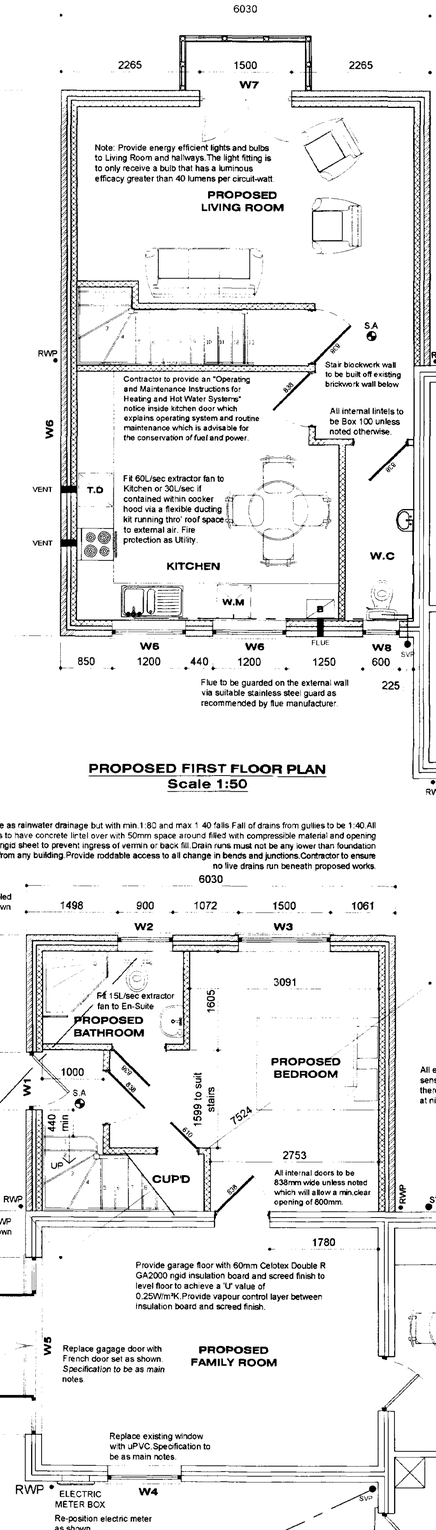
Replace gagage door with French door set as shown. *Specification to be as main notes.*

Replace existing window with uPVC.Specification to be as main notes.

Re-position electric meter as shown.

The contractor shall provide a Notice / Marking within the proposed kitchen stating that "The foul drainage system from this property discharges to the existing Septic tank and specify location.The tank requires monthly inspections of the outlet chamber or distribution box to observe that the effluent is free flowing and clear.The septic tank requires emptying every 12 months by a licenced contractor.The owner is legally responsible to ensure that the system does not cause pollution, a health hazard or a nuisance.

To existing septic tank



Contractor to provide an "Operating and Maintenance Instructions for Heating and Hot Water Systems" notice inside kitchen door which explains operating system and routine maintenance which is advisable for the conservation of fuel and power.

Stair blockwork wall to be built off existing brickwork wall below

All internal lintels to be Box 100 unless noted otherwise.

Balcony to be formed from 2no. 225 x 50 timber joists bolted together around balcony perimeter with 225 x 50 joists between and fixed via approved joist hangers at wall junctions.Provide 2no. 100mm² vertical posts to corners to act as supports.1100mm balustrade height is to be capable of withstanding an horizontal impact force of 0.36 Kn/m.Balusters are to be spaced at ctrs which will prevent a 100mm Ø sphere passing through.

Window Code	Width x Height	Lintel
W1	940 x 2100	L1/S50 - 1250mm LG
W2	900 x 1050	L1/S50 - 1200mm LG
W3	1500 x 1200	L1/S50 - 1800mm LG
W4	1200 x 1200	L1/S50 - 1500mm LG
W5	2900 x 2100	L1/HD50 - 3200mm LG
W6	1200 x 1050	L1/S50 - 1500mm LG
W7	1500 X 2100	L1/S50 - 1800mm LG
W8	600 x 1050	L1/S50 - 900mm LG

GENERAL CONDITIONS
Contractors are responsible for checking all dimensions on site when work commences and before ordering any materials.Any discrepancies should be brought to the attention of the Client for remedial action before commencing further.

All details shown are based on typical site conditions for that area, any abnormal conditions should be brought to the attention of the Client and Local Authority.

The notes shown are mainly to cover the requirements of Building Regulations and should not be treated as full specification.

No allowance has been made for any Structural Calculations,a "SAP" calculation, Soil Investigation or Flood Risk Assessment if deemed necessary then these will be a chargeable extra.All steel beam sizes shown on drawing are all subject to confirmation from Structural Engineer.

RAINWATER DRAINAGE
Brown uPVC guttering and downpipes to clients approval.Falls for guttering to be 1:600 and brackets fixed at max. 2m ctrs.Downpipes to be connected into underground drains via reducing adapter.Underground drains to be 110mm Ø Osma uPVC or similar approved with flexible joints laid on 100mm peagravel and min 150mm surrounds laid to 1:100 falls to new soakaway.Soakaway specification detailed elsewhere.

ROOF VENTILATION
Roof ventilation to be achieved via soffit level ventilators complete with integral insect proof screens which will supply the roof space with ventilation equivalent to a continuous 25mm gap.Provide at both sides of roof to ensure cross ventilation.

CEILINGS
All ceilings to be 12.7mm plasterboard to BS1230. Ceilings to be have Coving and an Artex finish to clients requirements.Plasterboard sheets to be fixed with joints staggered and must be layed perpendicular to all joist runs.Fix boards at a min.150mm centres.

SMOKE ALARMS
To be self contained,interconnected and wired to a separately fused circuit with a battery back up.Smoke alarms to be fitted to ueside of plasterboard ceiling to the ground floor max 7m from the kitchen / lounge and to be max. 3m from any bedroom door. All alarms to be strictly in accordance with BS 5446 and to be wired that when one alarm is triggered all alarms are activated.

WASTE SIZES FOR NEW PLUMBING
All new plumbing to have the following waste sizes
W.C=100mm ø Multiwork or similar approved
W.H.B=32mm ø uPVC with 75mm Deep sealed trap
SINK=40mm ø uPVC with 75mm Deep sealed trap
SHOWER=40mm ø uPVC with 75mm Deep sealed trap
Provide access points to all changes in direction.Provide anti-siphon traps where pipe runs exceed 3m and W.H.B pipe run exceeds 1.8m.

NOGGINGS
Fix 38x38mm timber noggings to all potential loose plasterboard ceiling edges and light fittings.Position of light fittings to be advised by client on site.

INTERNAL JOINERY ,SKIRTING & ARCHITRAVES
All internal finished timber to be free from all defects and to clients approval prior to ordering any materials.

ELECTRICAL INSTALLATION
To be in strict accordance with the latest I.E.E Regulations and Eng neer to advise if any appliance or position of appliance does not conform to regulations. Contractor to seek advice from Client with regard to lighting requirements.

ROOF INSULATION
Lay 300mm mineral fibre insulation to roof area to achieve a 'U' value of 0.16w/m²K.100mm between rafters and 200mm over rafters at right angles to first layer.Fix Dovetail rafter tray in accordance with manufacturers instructions or similar approved where insulation meets roof slope to maintain roof ventilation.

ROOF / LOFT ACCESS
Provide insulated roof access trap door with a fully weathered sealed frame and a 38mm brass bolt or to clients requirements.

ROOF FINISH
Concrete interlocking roof tiles to Clients requirements / approval in accordance with manufacturers instructions on 50x25 preservative treated timber battens on untearable sarking felt type IF with min.150mm overlaps.Generally all *tiles at perimeter of roof to be clipped and nailed.*

HEATING SYSTEM
Provide a Low Pressure Hot water Central system via Gas Fired Boiler and cyclinder complete with fan assisted flue and combustion air vent. Balanced flue to be located on external wall within 2m of ground level. Area of vent is to be in strict accordance with manufacturer's recommendations Boiler to have a SEDBUK rating of 85 %. Electrical operated boiler control interlocks are to control the operating periods of the boiler which in turn is controlled by a room thermostat positioned in proposed living room.The boiler should only fire when the space heating or the Cyclinder termostat calls for heat.All radiators are to be fitted with thermostatic radiator valves. The hot water cyclinder is to be insulated with a factory applied PU foam coating at least 35mm thk having a min. density of 35kg/m³. All space heating pipework located outside the building fabric insulation layers to be wrapped with insulation material having a thermal conductivity at 40°C not exceeding 0.035 W/m°K and a thickness equal to the outside diameter of pipe upto max. of 40mm.It should be noted that central heating and hot water pipework in unheated areas may need increased insulation thicknesses for the purpose of protection against frost, refer to BRE Report No. 262 2002 Edition.

COMMISSIONING OF HEATING AND HOT WATER SYSTEM
Contractor to submit a cetificate to show that commissioning has been successfully carried out. The certificate should be made available to the Client and SHDC building inspectors. A suitable certificate should be one published as part of the Benchmark Code of Practise for Installation, Commissioning and Servicing of Central Heating Systems, a blank copy may be included within the boiler manufacturers installations instructions or from C.H Information Council on Tel no: 01926 423 284.

ACCESSIBLE SWITCHES & SOCKETS
Inorder to use the dwelling more easily by all persons then wall mounted switches, sockets, TV sockets, telephone jack points and door bells,..... etc should be positioned between 450mm and 1200mm from finished floor level.Door bells & light switches to be fitted 1200mm from FFL and the remainder 450mm from FFL.

FOUNDATIONS
Existing building area to be stripped of all vegetable matter and rubbish to a min.depth of 150mm before excavation commences.Concrete mix for foundations to be GEN3 in accordance with BS5328:1981.Foundations to external wall to be min.700mm wide x 225mm deep.Excavate down to solid firm strata i.e 750mm deep (min.1000mm if soil is of a shrinkable nature).Exact depth to suit conditions on site and to the strict approval of the L.A Building Inspector.Any irregularities in subsoil during excavation to be brought to the immediate attention of the Building Inspector & advice to be sought from a Chartered Structural Engineer.

WALLS BELOW D.P.C
3no.CoarseS of Class B brickwork below D.P.C on outer face and 1no.coarse of 7N/mm2 on inner skin of cavity face.Elsewhere to be either 7N/mm2 concrete blockwork or full width trench blocks.Both to be within 225mm of DPC level.Cavity to be filled to within 225mm min. of below DPC with lean concrete mix.

GROUND FLOOR
65mm mortar screed with a light gauge reinforcing chicken wire on 500 gauge poythene separating layer on a 60mm Celotex Double R GA2000 rigid insulation board or similar approved, provide 30mm thick perimeter insulation between screed and floor insulation upto d.p.c level on 100mm thick GEN3 concrete sub-floor on a 1200 gauge DPM lapped onto DPC within walls on min.150mm clean and well compacted hardcore.Depth of hardcore must not exceed 600mm and must be compacted in 150mm thick layers.All service entries to be sealed with pressure sensitive tape. Floor to achieve a min'U' Value of 0.25w/m²K

DAMP PROOF COARSE (D.P.C)
Fix 38x38mm timber noggings to all potential loose plasterboard ceiling edges and light fittings.Position of light fittings to be advised by client on site.

INTERNAL JOINERY ,SKIRTING & ARCHITRAVES
All internal finished timber to be free from all defects and to clients approval prior to ordering any materials.

ELECTRICAL INSTALLATION
To be in strict accordance with the latest I.E.E Regulations and Eng neer to advise if any appliance or position of appliance does not conform to regulations. Contractor to seek advice from Client with regard to lighting requirements.

EXTERNAL WALLS
All external walls to be 265mm overall thickness comprising of:
-100mm Brickwork to match existing
-95mm cavity filled with Crown Dritherm (or equal approved) built in as work progresses.
-100mm Thermalite Shield insulating blockwork.
Continue wall insulation at least 150mm below top of perimeter floor insulation and support off wall ties.
External wall to achieve a min.'U' value of 0.35w/m²K.
Provide reconstituted stone subcills to windows as shown.Subcill to clients approval. Ensure subcills are fully protected throughout duration of building works.

CAVITIES
Close all cavity walls at jambs with Thermabate or similar approved insulated cavity closers fitted strictly in accordance with manufacturers instructions. Close top of cavity walls with 75mm Dritherm or similar approved insulation batt supported on wall ties.

MORTAR
All mortar to be 6:1:1 sand/cement/lime or equally approved and to be a consistent colour throughout duration of contract.Finish mortar joints as agreed with Client on site.

WALL TIES
Cavity wall ties to BS1243:1978.To be built into cavity wall as works proceeds and spaced at 900mm centres horizontally,450mm centres vertically and 300mm staggered around all openings.

LINTELS
All lintels to cavity wall to be factory insulated I.G.L1 range unless noted otherwise or equalled approved.*All lintels must have a min.150mm* endbearing and installed in accordance with manufacturer's instructions. Note: lintels are not to have a continuous baseplate.

WINDOWS
All windows to be Brown uPVC double glazed to match existing with 8000mm² trickle ventilators all in accordance with clients requirements.Opening vents to give $\frac{1}{20}$th of floor area rapid ventilation to all rooms.All glazing to meet the requirements of section N of the Building Regulations and BS6206 class B.All double glazed units to be installed in accordance with BS 6262 and to have a 16mm Air gap with a Low "E" glass inner pane to achieve a min'U' value of 2.0 w/m²K.Note all windows to have a perimeter weatherseal both internally and externally.Provide frosted glass to all bathroom and En-suite windows.

ROOF CONSTRUCTION
To be Trussed Rafters designed and constructed in accordance with BS 5268 Part 3:1985 all by specialist approved manufacturer.Trusses to be set at max.600mm centres with all necessary 100x25 bracing.Truss manufacturer to provide all necessary calculations and details to the Client / Contractor for L.A Building Inspectors approval prior to installation of any roof truss.

TIMBER WALLPLATES
All timber wallplates supporting roof trusses to be 100mm x 50mm bedded on top of wall.Timber to be SC3 grade.Provide anchor straps as described in notes elsewhere.

LATERAL RESTRAINT STRAPS
Tie roof structure to blockwork wall with 30X5 galvanised mild steel straps at max 1.8m ctrs where rafters and ceiling joists run parallel to blockwork walls.Also fit at max 1.8m ctrs to anchor wallplate to blockwork wall with min 3no. straps per strap.

SOAKAWAYS
All rainwater to discharge into soakaways and to be min.of 5m from any building & a min.of 1m³ filled with rubble to within 450mm of external ground level.Overlay rubble with polythene sheet and backfill *with clean topsoil. Note the soakaway inlet pipe must* be 2no.90 to the connecting soakaway in opposite directions.

SHDC
Planning & Development
10 JUN 2003

REV DESCRIPTION
A - 10.06.03-Window removed from side elevation

DETERMINED
PLAN

remway design
3.Rembrandt Way
Spalding
Lincs
PE11 3HX
Tel: 07815 112 058
Fax: 01775 768 921
e-mail: jason@remwaydesign.co.uk

Project
Proposed Kitchen, Living Room & Bedroom Extension.

Client
Mr A Sapsford
116 Six House Bank
West Pinchbeck
PE11 3QJ