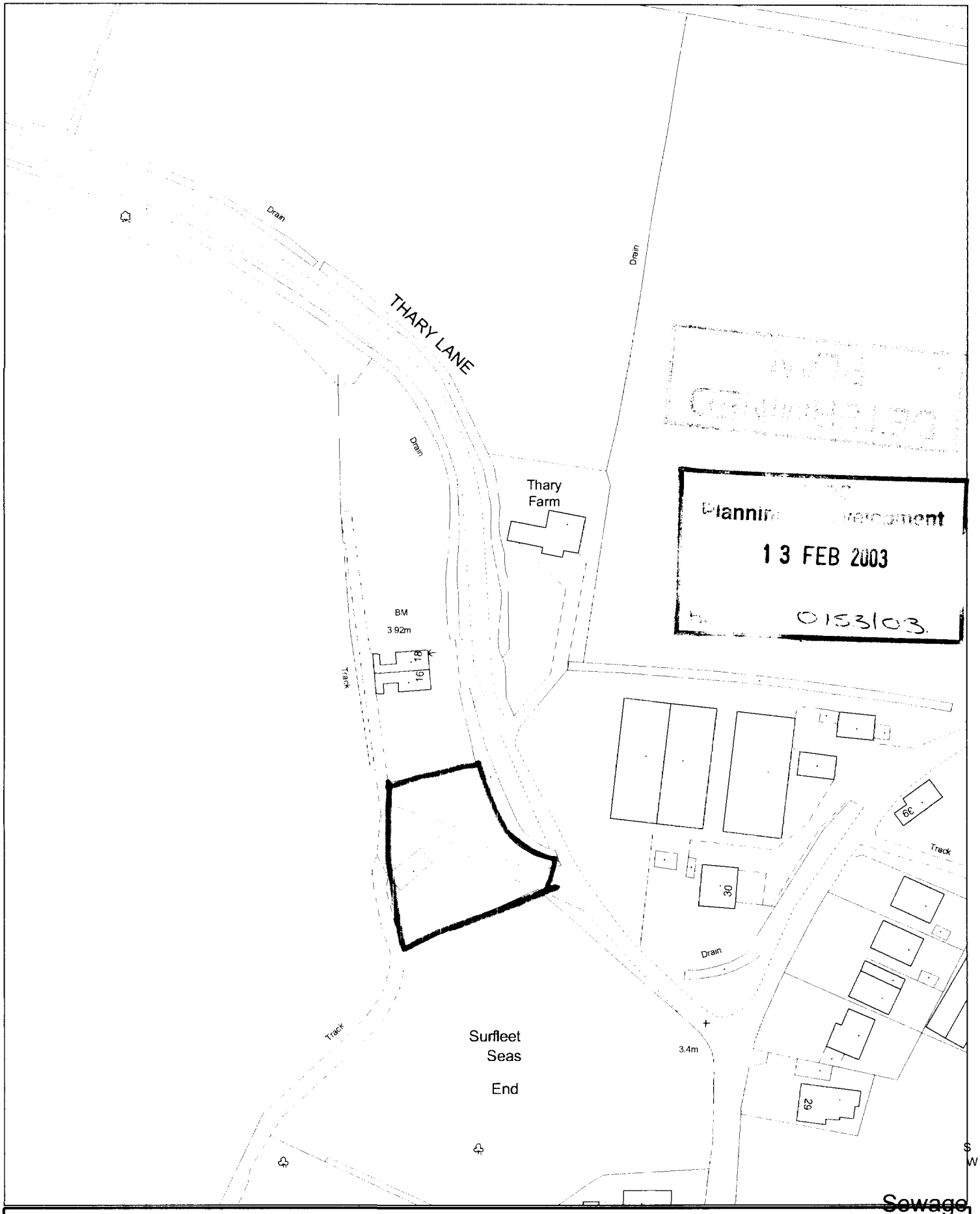

Planning Department
13 FEB 2003
0153/03.

SOUTH HOLLAND DISTRICT COUNCIL

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

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Scale:
1:1250

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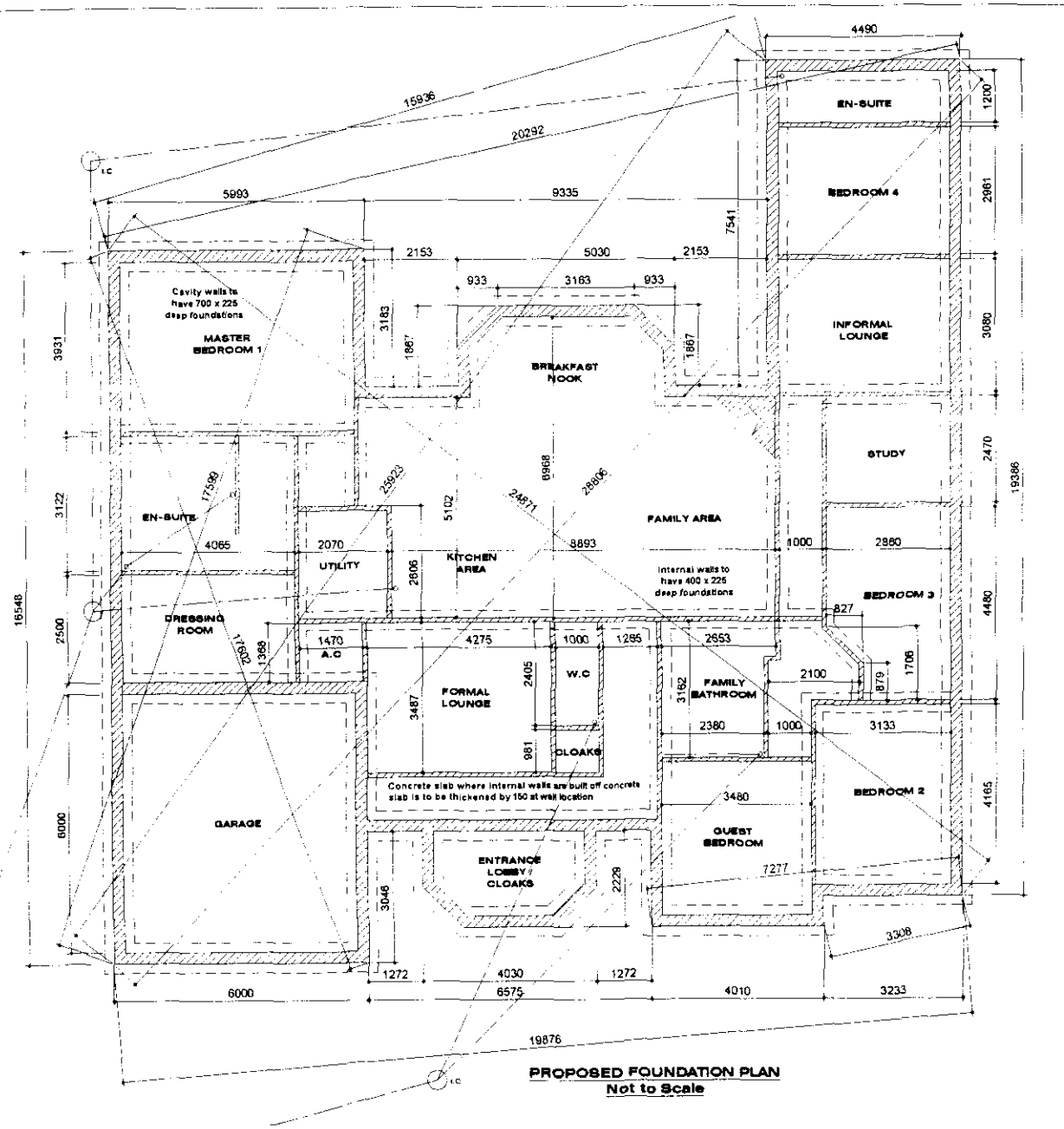

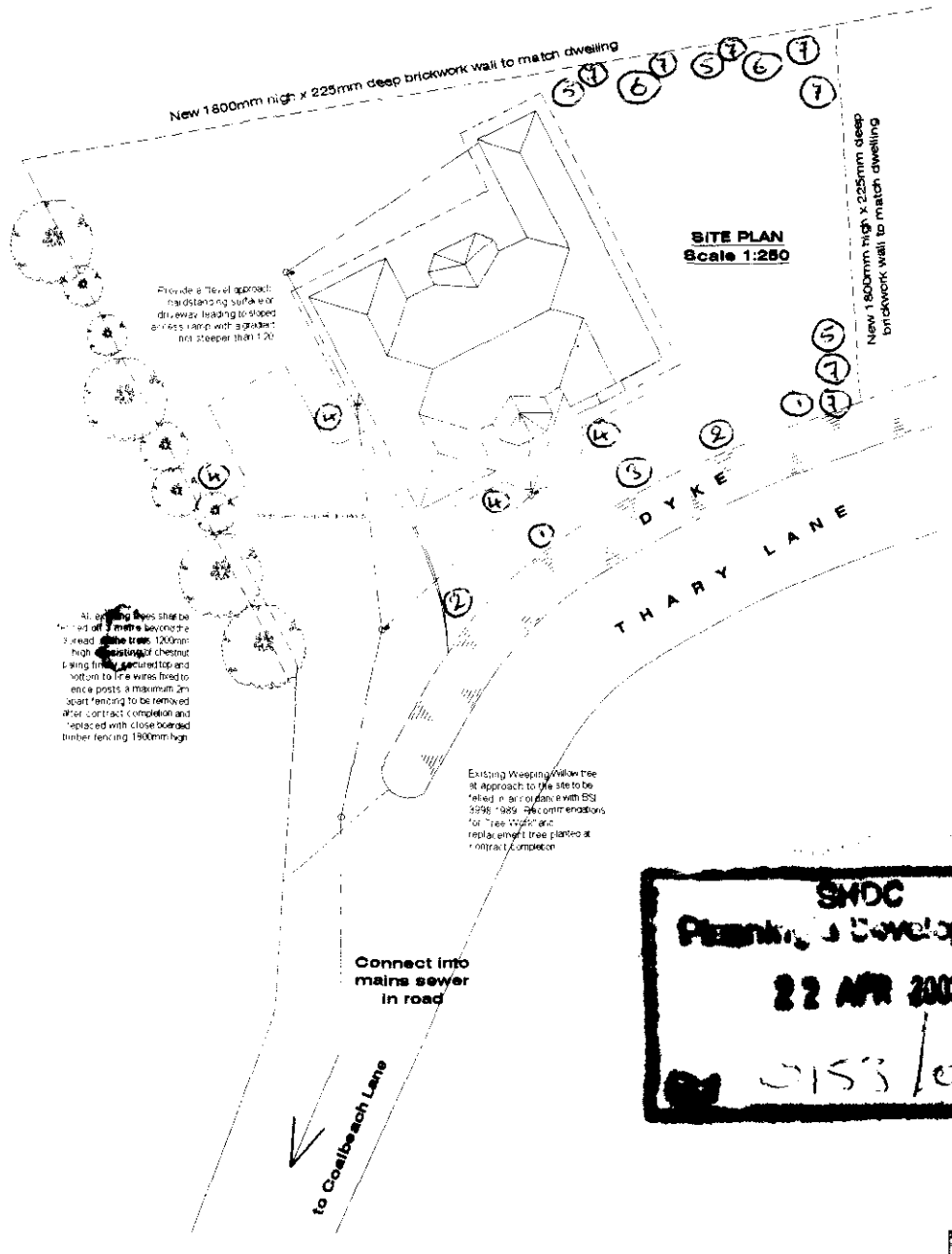

SHDC
Planning & Development
22 APR 2003
S153/03

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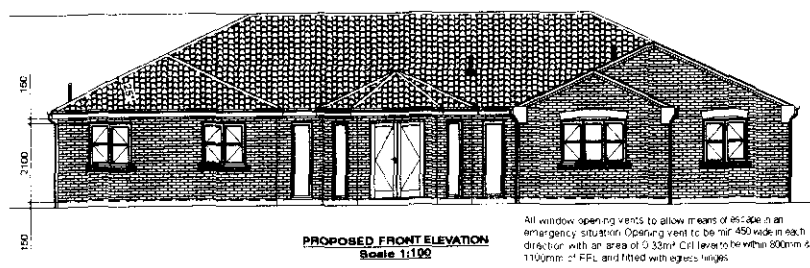
No allowance has been made for any Structural Calculations, a "SAP" calculation, Soil Investigation or Flood Risk Assessment if deemed necessary then these will be a charge/s/e extra All steel beam sizes shown on drawing are all subject to confirmation from Structural Engineer

All materials not specified to be of a standard suitable for the work proposed and be fit for purpose All work to be in accordance with good building practise and all necessary BS codes for Workmanship on Building Sites

① Weeping Yoshino Cherry
② Weeping Spindly Cherry
③ Japanese Cherry
④ Tree Peonys
⑤ Japanese Maple
⑥ Olive Tree
⑦ Acer Palms

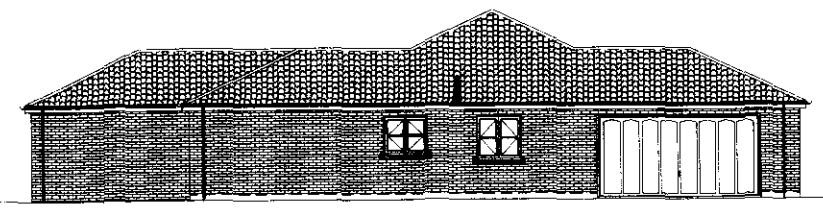
All Other Areas To Be Lawned With A Dug Bed Edge



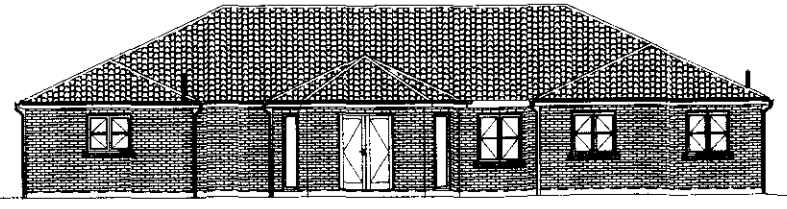
PROPOSED FRONT ELEVATION
Scale 1:100

All window opening vents 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 SIDE ELEVATION
Scale 1:100



PROPOSED SIDE ELEVATION
Scale 1:100



PROPOSED REAR ELEVATION
Scale 1:100

Hip Rafters to be birdsmouthed over Pre Fabricated Compound Girder of Flat Top trusses to suit Hip Rafter

Infill Jack Rafters to be min 25mm deeper than Trussed Rafters to allow for birdsmouthing at wallplate

All bearings off for purlins

Pre Fabricated Mono pitch trusses by specialist

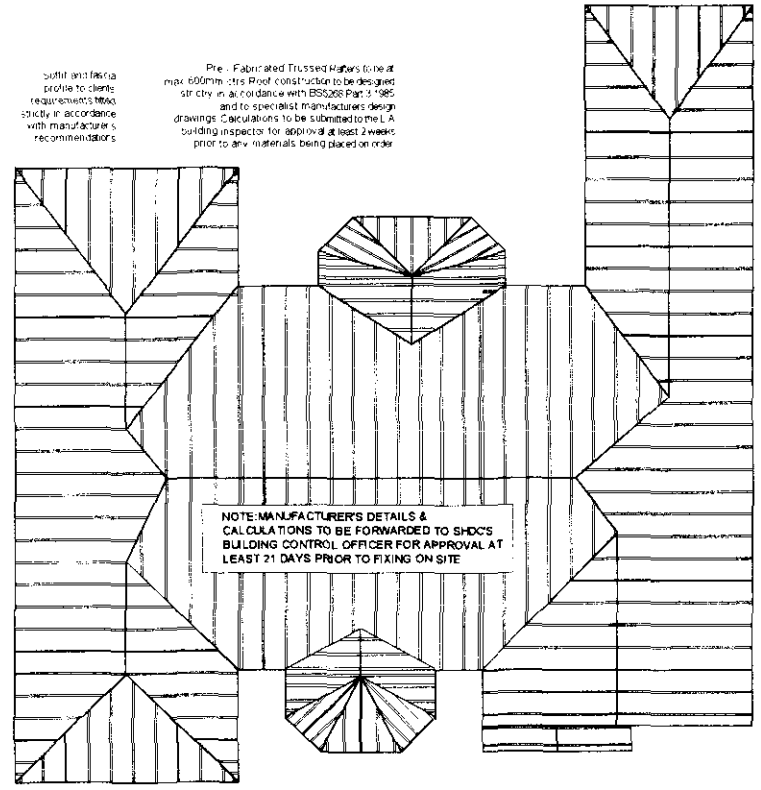
All 25x100 diagonal and longitudinal wind bracing, under rafter bracing, vertical and roof bracing and ceiling tie bracing to be free from all major defects and any weak points and fixed all in accordance with manufacturers details Lap joints (if required) to be taken over 2no trusses all in accordance 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 pendant head fixing and pendant light fixings Position of light fixings to be agreed on site with client

Specialist Girder and Cantilevering Lintel by others

Soffit and fascia profile to clients requirements fitted strictly in accordance with manufacturer's recommendations

Pre - Fabricated 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 inspector for approval at least 2 weeks prior to any materials being placed on order



PROPOSED ROOF PLAN
Not to Scale

REV DESCRIPTION
LANDSCAPING

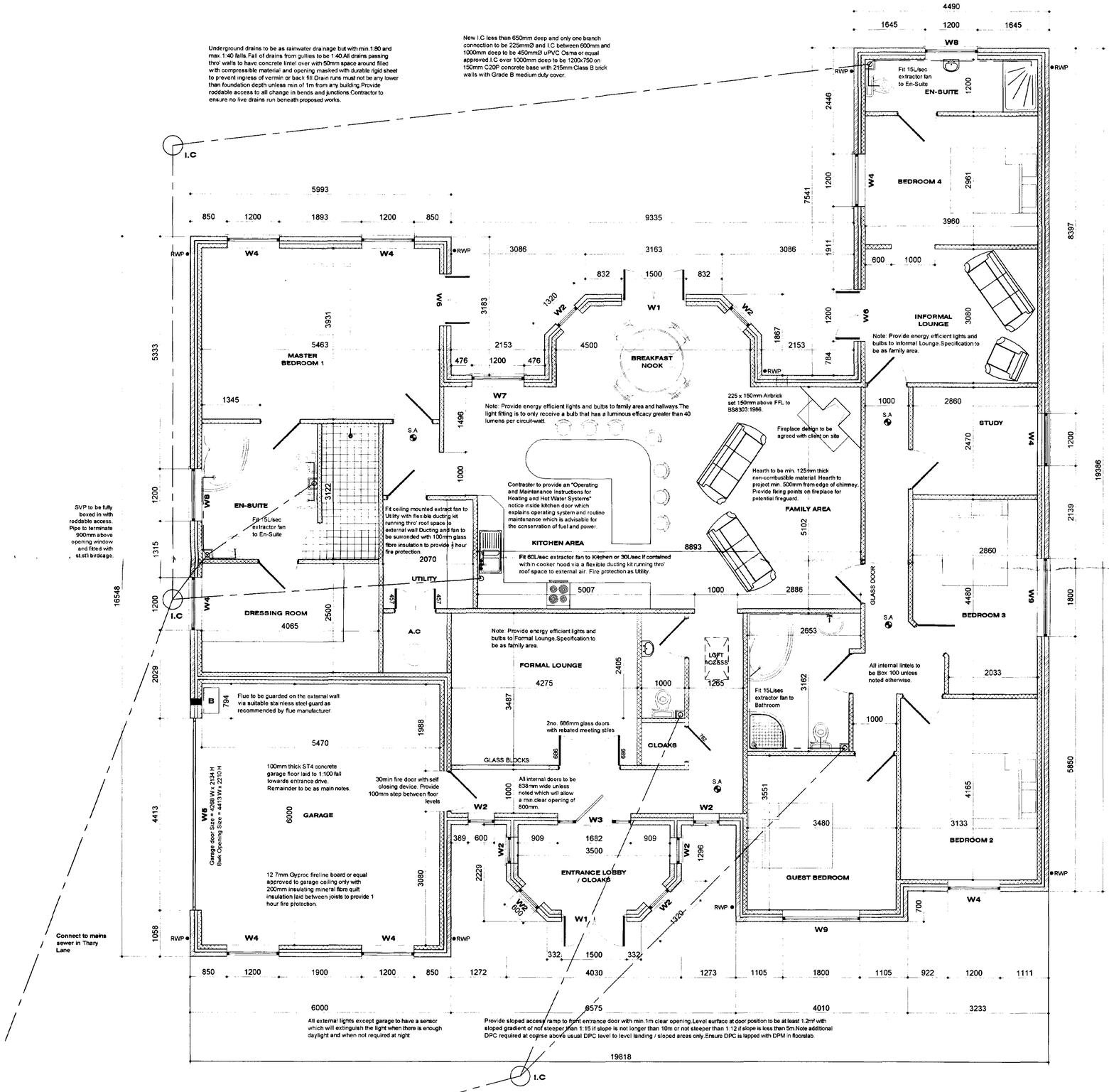
remway design
3, Rembrandt Way
Spalding
Lincs
PE11 3HX
Tel: 07815 112 058
Fax: 01775 768 921
e-mail: jason@remwaydesign.co.uk

Project: Proposed Dwelling @ Thary Lane, Surfleet, Spalding

Client: Mr V Atkinson
29 Stockhouse Lane
Surfleet
Spalding
PE11 4AR

Date: feb'03 | DRG No: 02 | REV:

PROPOSED 5-BEDROOMED DETACHED BUNGALOW @ THARY LANE SURFLEET



PROPOSED FLOORPLAN
Scale 1:50

Connect to mains sewer in Thary Lane

Window Code	Width x Height	Lintel
W1	1500 x 2100	L1/S50 - 1800mm LG
W2	600 x 2100	L1/S50 - 900mm LG
W3	1682 x 2100	L1/HD50 - 2100mm LG
W4	1200 x 1200	L1/HD50 - 1500mm LG
W5	4268 x 2134	L1/HD50 - 4500mm LG
W6	1200 x 2100	L1/HD50 - 1500mm LG
W7	1200 x 1350	L1/HD50 - 1500mm LG
W8	1200 x 1050	L1/HD50 - 1500mm LG
W9	1800 x1200	L1/HD50 - 2100mm LG
W10	900 x1050	L1/S50 - 1200mm LG

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

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 ulside 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 Multikwik 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 is advise if any appliance or position of appliance does not conform to regulations. Contractor to seek advice from Client with regard to lighting requirements.

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.

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

CHIMNEY CONSTRUCTION
To be constructed in accordance with BS1181:1989.Clay flue liners to have sockets laid uppermost and jointed / sealed with fire cement with the gap between liner and brickwork filled as work progresses by the contractor with lean mix concrete.Flue liners to be a min 200mm internal diameter. If a bend is necessary within the flue run, then it should not be more than 30° measured from the vertical plane

HEATING SYSTEM
Provide a Low Pressure Hot water Central system via Gas Fired Boiler and cylclinder 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.

SAP CALCULATION AND CARBON INDEX RATING
Contractor to provide calculations to SHDC for their approval / comments prior to work commencing.

NOTICE PLATES FOR HEARTHS & FLUES (Requirement J4.)
Information essential to the correct application and use of these facilities should be permanently posted within the dwelling. A notice plate should be provided containg the following information:
-The location of the hearth, fireplace or the location of the beginning of the flue
-The category of the flue and generic types of appliances that can be safely accommodated
-The type and size of the flue and the manufacturers name and address details
-the installation date.
The notice plate should be robust and fitted next to the electricity consumer unit.

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
1no.Coarse of Class B brickwork & 2no. coarses of Red Engineering 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)
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 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 White 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 weathersseal 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.Trussees 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 Inspector's 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. 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.

RAINWATER DRAINAGE
White 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.

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

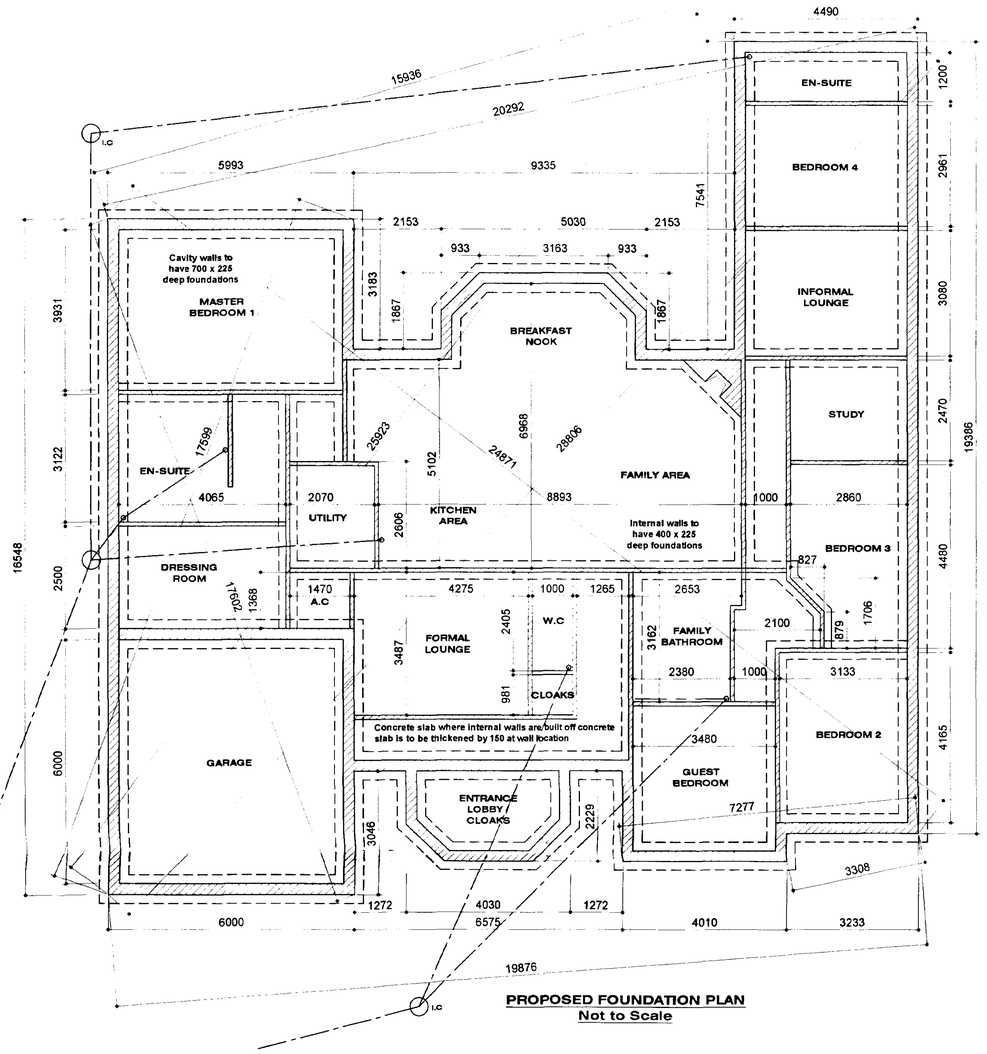
SHDC Planning Development 13 FEB 2003 0153/03

REV DESCRIPTION.

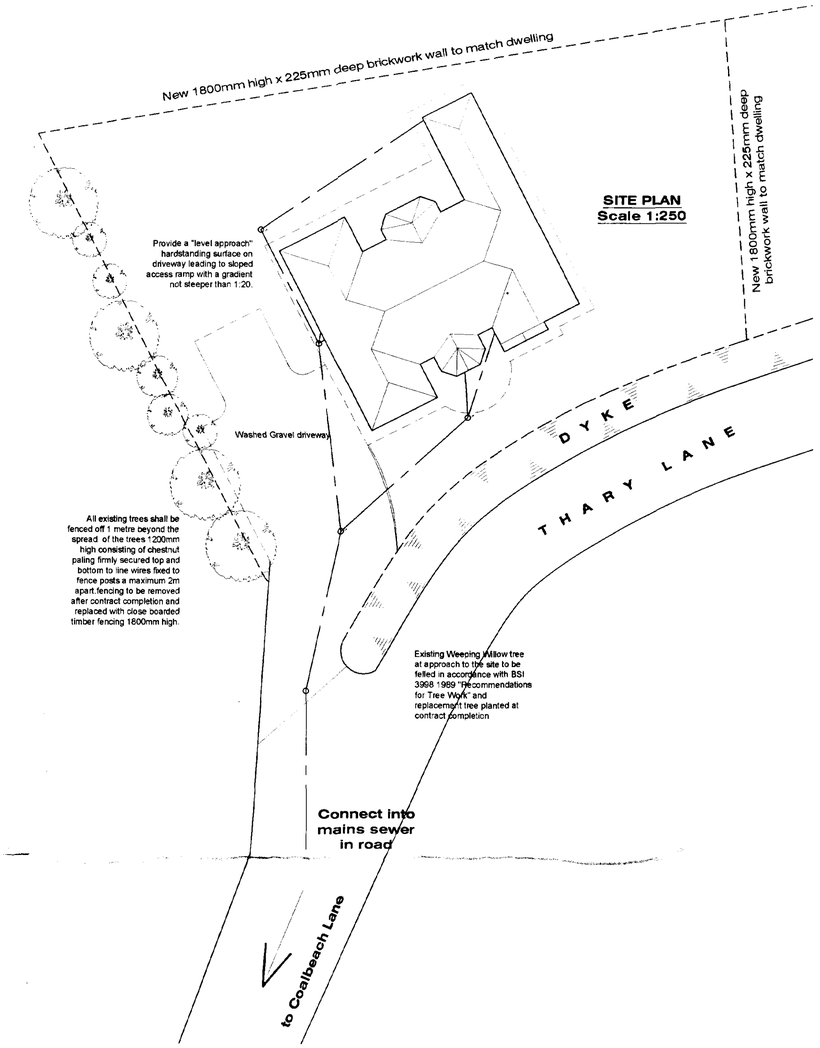
remway design
3, Rembrandt Way
Spalding
Lincs
PE11 3HX
Tel: 07815 112 058
Fax: 01775 768 921
e-mail: jason@remwaydesign.co.uk

Project: Proposed Dwelling @ Thary Lane, Surfleet, Spalding

Client: Mr V Atkinson
29 Stockhouse Lane
Surfleet
Spalding



PROPOSED FOUNDATION PLAN
Not to Scale



SITE PLAN
Scale 1:250

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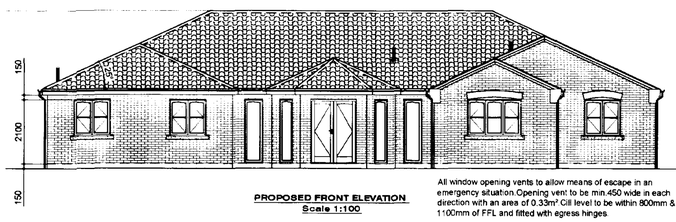

PROPOSED FRONT ELEVATION
Scale 1:100

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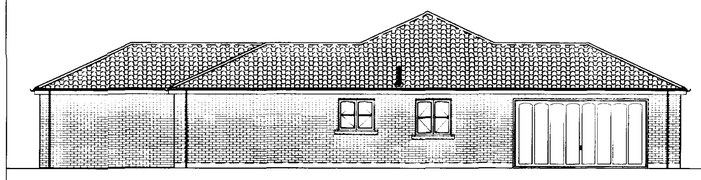
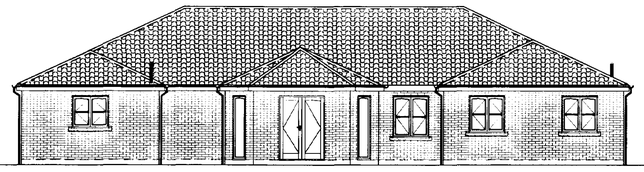
PROPOSED SIDE ELEVATION
Scale 1:100



PROPOSED SIDE ELEVATION
Scale 1:100



PROPOSED REAR ELEVATION
Scale 1:100

Hip Rafters to be birdsmouthed over Pre Fabricated Compound Girder of Flat Top trusses to suit Hip Rafter

Infill Jack Rafters to be min.25mm deeper than Trussed Rafters to allow for birdsmouthing at wallplate

All bracing left off for clarity

Pre - Fabricated Mono pitch trusses by specialist

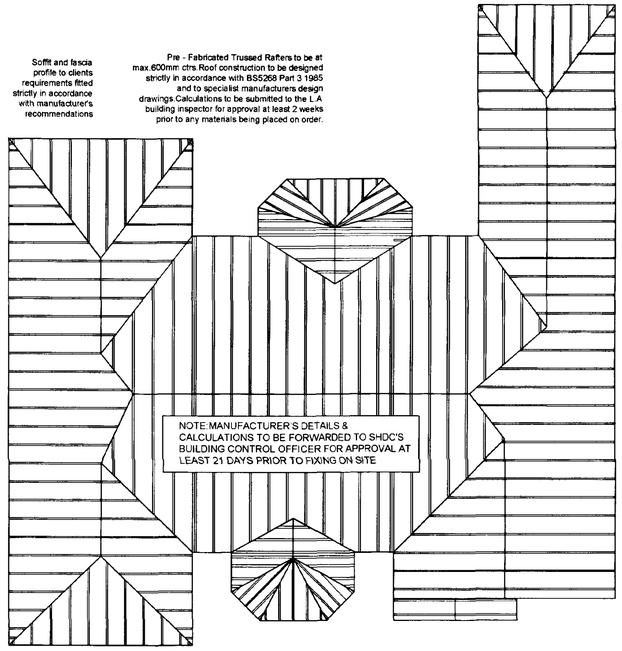
All 25X100 diagonal and longitudinal wind bracing, under rafter bracing, vertical strut bracing and ceiling tie bracing to be free from all major defects and any weak points and fixed all in accordance with manufacturer's details.Lap joints (if required) to be taken over 2no.trusses all in accordance 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.

Specialist Girder and Diminishing Valley trusses

Soffit and fascia profile to clients requirements fitted strictly in accordance with manufacturer's recommendations

Pre - Fabricated 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 inspector for approval at least 2 weeks prior to any materials being placed on order.



PROPOSED ROOF PLAN
Not to Scale

DETERMINED PLAN

Planning & Development
13 FEB 2003
0153/03

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 Dwelling @ Thary Lane, Surfleet, Spalding

Client: Mr V Atkinson
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