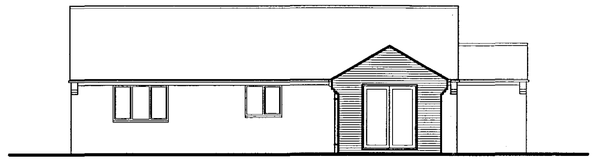
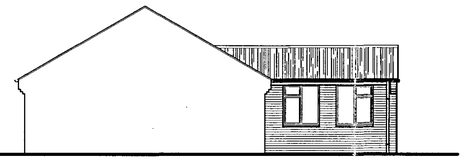


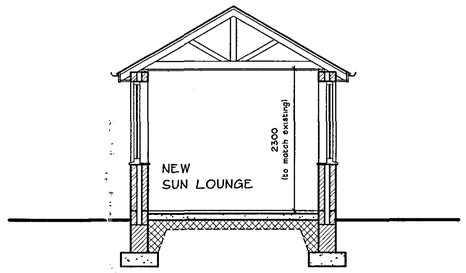
SOUTH ELEVATION 1:100



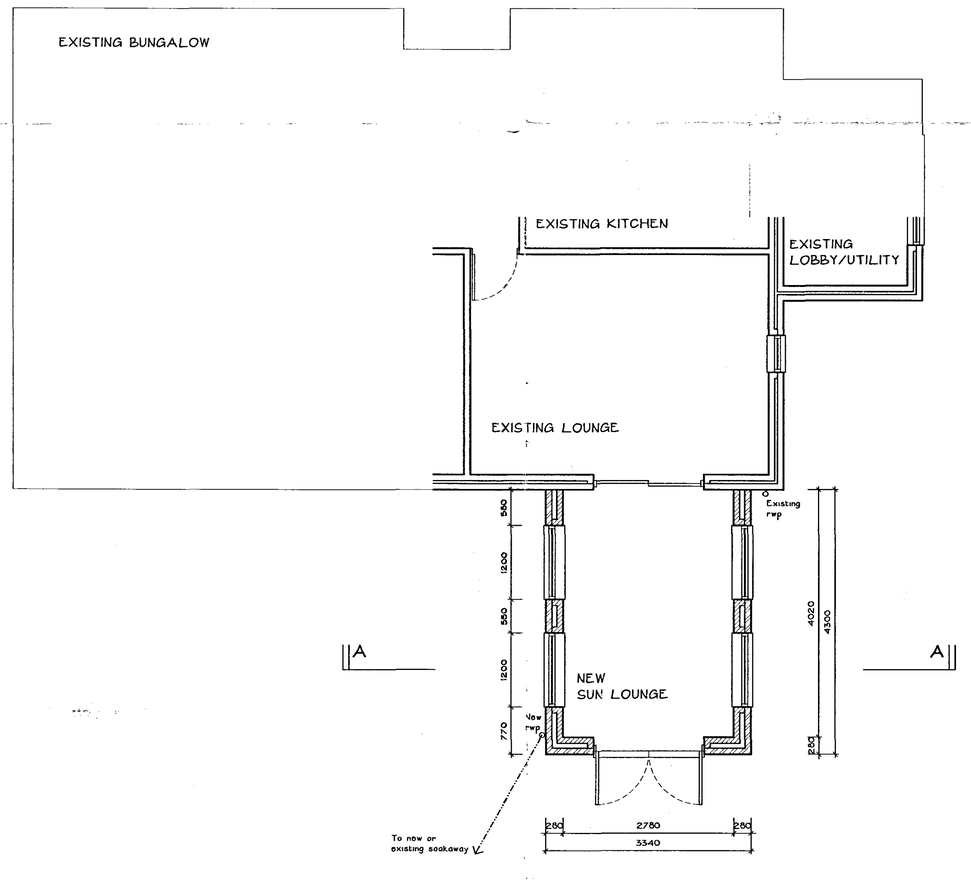
WEST ELEVATION 1:100



NORTH ELEVATION 1:100



SECTION AA 1:50



FLOOR PLAN 1:50

GENERAL SPECIFICATION NOTES

FOUNDATIONS
Foundations to be mass concrete strip footings reinforced with one layer of A252 mesh incorporated into the bottom of the footings to span over any soft spots. Size: 600 x 225mm deep to external cavity walls.
Underside to be founded at minimum 750mm below external ground level for minimum 1000mm if shrinkable subsoil is encountered. New foundations to be stepped as necessary to meet existing and movement joint to be formed between new and existing. Final depth and detail to be agreed on site with Local Authority Building Control Officer.

Concrete to be general grade of foundation mix - GEN 3 to BS5328.

GROUND FLOOR CONSTRUCTION
To comprise 50mm sand/cement screed on 100mm thick (C20 grade) mass concrete floor slab on vapour barrier on 100mm thick Jablite 'Jabfloor 100' flooring grade insulation on 1200 gauge polythene membrane with 150mm laps and turned up at all edges and lapped with wall dpc all on 25mm minimum thickness sand blinding on 150mm minimum thickness well rolled and consolidated hardcore base.

Foundation trenches to be backfilled with hardcore internally and consolidated in layers not exceeding 150mm thick.

NOTE: Vertical upstands of insulation to be provided to all edges of concrete slab in strict accordance with manufacturer's instructions.

EXTERNAL CAVITY WALL CONSTRUCTION
280mm external cavity wall construction to comprise: 102mm external skin in facing brickwork to match existing. 80mm cavity infilled as work proceeds with 'Dritherm' or similar insulation cavity bats. 100mm internal skin in 'Celcon' or similar insulating blocks with 13mm thick dense plaster finish internally. Overall wall construction to achieve combined 'U' value of 0.3w/m2k.

Walls below dpc level to be constructed in 230 thick foundation blocks.

New walls to be tied to existing by building in galvanised 'crocodile' ties in strict accordance with manufacturer's instructions and forming 15mm movement joint at junction by inserting 'Flexcell' or similar proprietary infill finished externally with mastic pointing to match colour of brickwork.

Leaves of cavity wall to be tied together with galvanised wall ties at 750mm horizontal centres and 450mm vertical centres (300mm vertical centres where next to an opening).

Jambs and cills to be closed by inserting proprietary insulated cavity closers.

Cavities to be left open at top and wall insulation to be continuous with roof insulation (no gap between).

Bituminous based damp proof course to be built in 150mm minimum above outside ground level to external walls.

LINTELS
To openings in cavity walls, to be 'Keystone' type 'HD/K-70' or similar heavy duty insulated galvanised steel lintels with cavity tray over and 150mm minimum end bearing.

WINDOWS
All new windows and patio doors to be constructed from Upvc frames or timber to match existing with a 'U-value' of 2.0W/m2K. Style as shown.

Glazing to be double glazed sealed units using 'Pilkington-K' glass with a minimum gap of 16mm between glass layers and having a 'K' value of 0.05.

To incorporate controllable trickle ventilators providing 8000mm2 background ventilation to habitable rooms.

All windows to have a combined openable area in each habitable room equalling a minimum of 1/20th of the floor area of that room.

Internal window boards to be to client's requirements.

DRAUGHT PROOFING
Draught stripping to be fitted to all openable elements of windows and patio doors.

GLAZING IN CRITICAL LOCATIONS
Any glazing to windows and doors below 800mm above floor level and to doors and sidelights below 1500mm above floor level (in critical locations) to be laminated or toughened safety glass in accordance with BS6206.

ROOF CONSTRUCTION
To comprise: concrete interlocking roof tiles to match existing on 38 x 25mm treated softwood battens gauged to suit tiling on untearable sarking felt to BS747 : Part 2 : Type 1F on pre-made trussed rafters at 600mm maximum centres.

Roof pitch to match existing.

All to be designed, braced and fixed in accordance with BS5268 : Part 3 : 1985.

Specialist manufacturer's design calculations to be submitted to Local Authority for approval prior to fixing on site.

Trusses to be fixed at eaves level with galvanised truss clips to 100 x 50mm softwood wallplate bedded in mortar.

Diagonal bracing to be provided to full length of roof in plain of rafters and ceiling ties to BS 5268 : Part 3 : 1985.

Timber runners to be provided at all truss node points for full length of roof.

New roof to be cut into existing by using reducing trusses/infill timbers as necessary.

PITCHED ROOFS GENERALLY
Proprietary roof ventilation system to be installed in strict accordance with manufacturer's instructions and comprising continuous eaves ventilator below roof tiles (minimum 25mm continuous gap) and ridge ventilators to match tiles (minimum 5mm continuous gap).

External walls to be strapped to roof with 30 x 5mm cross-section galvanised mild steel anchor straps fixed to wallplates and blockwork in cavities at eaves level all at 2000mm maximum centres. Timber noggins to be provided under straps where necessary.

250mm thick quilt insulation to be laid in roof space in two layers - first layer between ceiling ties/joists and second layer at right angles over ceiling ties/joists. Roof insulation to be extended into top of wall cavity to ensure continuity of insulation but still maintaining 50mm minimum air gap above insulation.

FLASHINGS
Code 5 lead flashings / stepped flashings / soakers to be provided to all valleys and roof abutments.

Roof valleys to be formed in Code 5 lead in accordance with LDA guidelines or in rigid fibreglass.

EXISTING BUNGALOW ROOF : INSULATION
Whole of existing house roof to be insulated with an additional 100mm thickness of quilt insulation to compensate for the window area to the extension and existing bungalow being in excess of 25% of the floor area.

CEILINGS
Ceilings to be 12.5mm plasterboard fixed to underside of joists and ceiling ties.

Joint treatment and skim coat plaster or Artex finish to be in strict accordance with British Gypsum instructions.

Timber noggins to be provided to all unsupported joints in plasterboard.

ELECTRICAL INSTALLATION
To be carried out in strict accordance with with the latest edition of the IEE Regulations. Socket outlet and lighting positions all to client's requirements.

All electrical work is to meet the requirements of Part P (Electrical Safety) of the building regulations and should therefore be designed, installed, inspected and tested by a person competent to do so.

Prior to completion, the Building Control Officer should be satisfied that Part P has been complied with. This may require an appropriate BS7671 electrical certificate to be issued for the work by a person competent to do so.

ENERGY EFFICIENT LIGHTING
Internal lighting installation to be provided with energy efficient lighting so that every one in three lighting points can only take lamps having a luminous efficacy greater than 40 lumens per circuit-watt.

HEATING
Existing water fed radiator system to be extended to all new areas. Radiators to be fitted with thermostatic valves and appropriate pipework to be insulated as necessary to promote energy conservation.

DRAINAGE SPECIFICATION NOTES

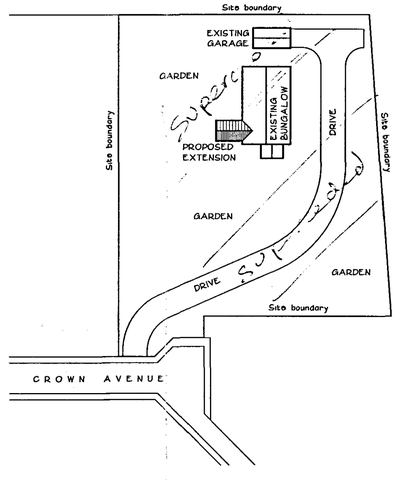
RAINWATER GOODS
Gutters and downpipes to be Upvc to match existing securely fixed at eaves and laid to falls complete with all required outlet positions, stopends, swan necks etc. To be installed in strict accordance with manufacturer's instructions.

UNDERGROUND DRAINAGE PIPES
New surface water drains to be 110mm Upvc to BS4660 laid to self-cleansing gradient bedded and surrounded in 150mm minimum thickness of 10mm pea gravel to maintain flexibility.

SOAKAWAYS
Storm water pipes to drain into new or existing soakaway. If new required, to be constructed to CP301 minimum 5000mm from any building (6000mm in clay soil). To be 1250 x 1250 x 1250mm deep filled with rubble to within 450mm of ground level and overlaid with polythene sheet and backfilled to ground level with vegetable soil.

EXTERNALM WORKS
All existing external paved and grassed areas where disturbed by the building works to be made good to match existing all to client's requirements.

DETERMINED PLAN



SITE PLAN 1:500

NOTES

LIMITATIONS

This drawing is limited in the amount of information contained and does not purport to contain a full specification of the works. It is solely for the purpose of obtaining Building Regulation approval. The drawing must not be used as a contract document alone.

DIMENSIONS

Do not scale from this drawing.

All dimensions are to be checked on site by the builder who shall take responsibility for measurements for construction and ordering purposes from commencement of site works.

Whilst every effort is made to ensure accuracy in dimensioning, measurements should be carefully checked to ensure compatibility with existing structures and features.

SUPERVISION

The works will not be supervised by Richard J Diggle or any representative thereof. It is the clients or their appointed agents responsibility to control workmanship, substitution of materials, adherence to specification, variations to contract etc.

STANDARDS

All materials to be new unless otherwise stated and all components and materials etc. to be used, fitted and installed in strict accordance with manufacturers instructions and relevant Code of Practice.

Materials shall conform to the appropriate British Standard Specification or BBA Certificate or European Code equivalent.

Preservative treatment to BS 5268 : Part A is to be carried out to all timber prior to delivery to site.

DETAILS / FOUNDATIONS

All details shown on this drawing including foundations, are based upon typical site conditions including soil of good bearing capacity.

Site soil surveys are recommended in respect of foundations to establish specific site conditions before foundation work is undertaken.

If adverse ground conditions are encountered, then the advice of a qualified structural engineer should be sought.

HEALTH AND SAFETY

The Employer / Client shall ensure that the selected contractor is conversant with and adopts all measures necessary to achieve compliance with Health and Safety legislation for Building Sites and Work Places.

The Employer / Client is advised that should the works need to comply with the Construction Design and Management Regulations, and independent Planning Supervisor will be required.

SCOPE OF THE WORKS

The works comprise all that is shown on the drawings and details. Any work that may not be specifically shown, but may reasonably be inferred as necessary to carry out the works will be deemed to be included

SHDC
PLANNING & DEVELOPMENT
15 FEB 2006
Ref. 0218/06

Revisions

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Client
MR J N PRICE

Project
BUNGALOW EXTENSION TO CREATE NEW SUN LOUNGE
19 CROWN AVENUE
HOLBEACH ST MARKS

Drawing
DETAIL DRAWING
FLOOR PLAN
SECTION
ELEVATIONS
SITE PLAN

Scale: As shown
Date: February 2006

Drawing Number
499-01