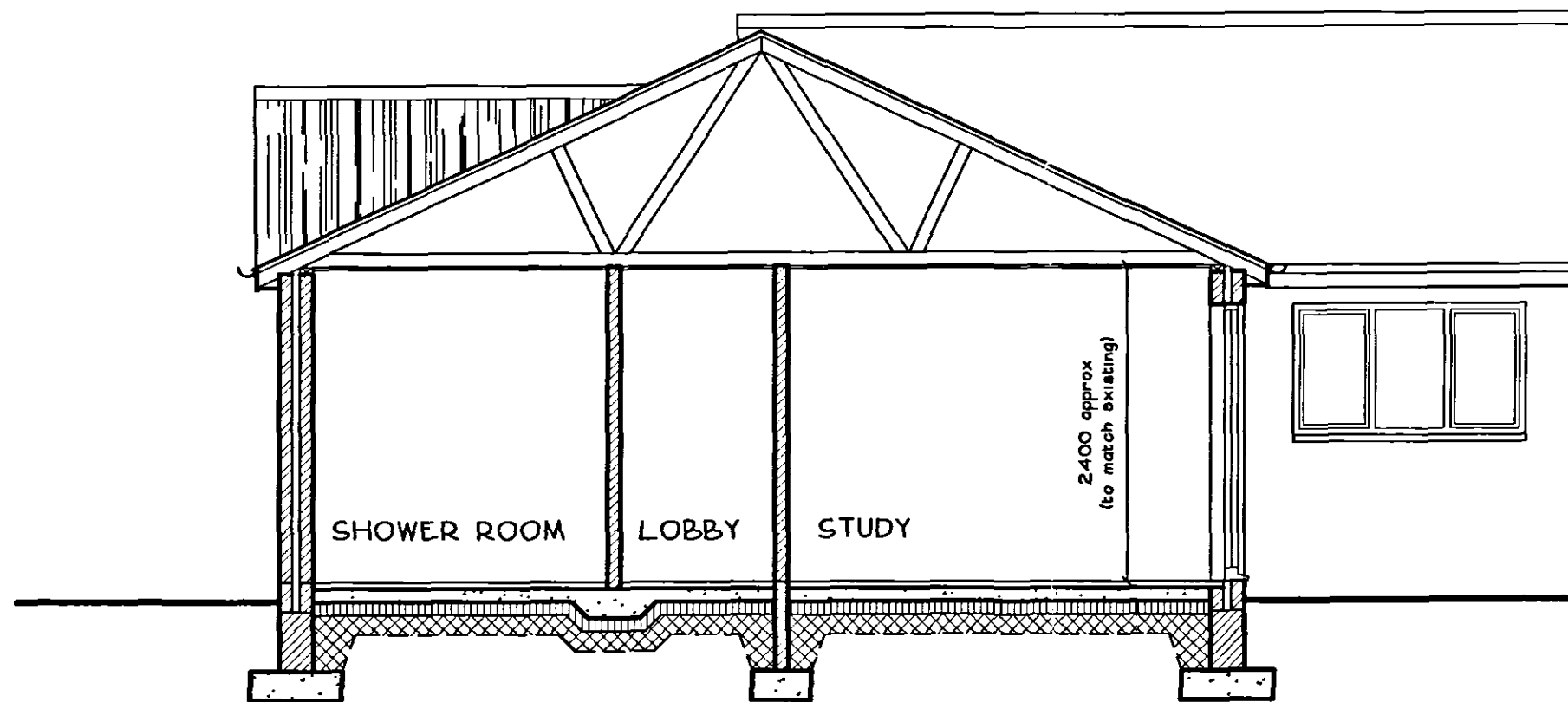




SECTION AA 1:50

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. Sizes to be as follows:
600 x 225mm deep to external and internal cavity walls.
450 x 225mm deep to 100mm internal block walls where indicated.
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 300mm 'Jablon' 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.

Floor slab to be thickened to 300mm under internal block walls where indicated.

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.

GARAGE FLOOR CONSTRUCTION

To comprise 100mm thick mass concrete (C20 grade) slab with smooth steel floor finish on 1200 gauge polythene membrane with 150mm laps turned up at all edges on 25mm minimum thickness sand blinding on 150mm minimum thickness well rolled and consolidated hardcore.

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

Garage floor finish to be 100mm below main floor. Floor slab to be thickened to 300mm in Garage doorway.

EXTERNAL/INTERNAL CAVITY WALL CONSTRUCTION

250mm external cavity wall construction to comprise: 102mm external skin in facing brickwork to match existing. 80mm cavity infilled as work proceeds with 'Drithern' or similar insulation cavity batts. 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.

Garage wall to be fair faced blockwork finish internally.

Internal cavity wall to rear of Garage to be constructed in two skins of 100mm blockwork.

New walls to be tied to existing by building in galvanised 'crocodile' ties in strict accordance with manufacturer's instructions and forming 13mm movement joint at junction by inserting 'Flexcell' or similar proprietary wall 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 1500mm vertical centres where next to an opening.

Jams 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.

INTERNAL SOLID WALL CONSTRUCTION
To be 100 thick blockwork as shown with 13mm dense plaster finish both sides.

Bituminous based damp proof course to be built in at floor level.

LINTELS

To Garage door opening, Garage window and patio door opening to Study, to be 'IG' type 'LV/HDS' or similar heavy duty insulated galvanised steel lintels with cavity tray over and 150mm minimum end bearing.

To all other openings in external and internal cavity walls, to be 'IG' type 'LV/S75' or similar standard duty insulated galvanised steel lintels with cavity tray over and 150mm minimum end bearing.

To internal openings in block walls, to be 'IG' type 'BOX 100' or similar galvanised steel internal box lintel with 150mm minimum end bearing.

WINDOWS

All new windows to new extensions to be constructed from UPVC frames 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 6000mm2 background ventilation to habitable rooms and 4000mm2 to Kitchens.

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 external doors.

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

DOORS

All internal and external doors to be to client's selected design.

Half-hour fire resisting self-closing door to be provided between Garage and Lobby.

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 noggin to be provided to all unsupported joints in plasterboard.

Garage ceiling to sealed on edges to provide half hour fire protection.

MECHANICAL VENTILATION
To be provided to Shower Room capable of extracting 30 litres per second.

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

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.

New gas fired balanced flue boiler to be installed new Shower Room as shown.

ROOF CONSTRUCTION

To comprise: concrete interlocking roof tiles to match existing on 36 x 25mm treated softwood battens gauged to suit tiling on untearable sarking felt to BS747 : Part 2 : Type F on pre-made trussed rafters at 600mm maximum centres.

Combination truss to be incorporated as shown on section.

Roof pitch to match existing.

All to be designed, braced and fixed in accordance with BS5268 : Part 3 : 1995.

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 5368 : Part 3 : 1995.

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 or mono-pitch 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 noggin 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.

Insulation not required over Garage ceiling.

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

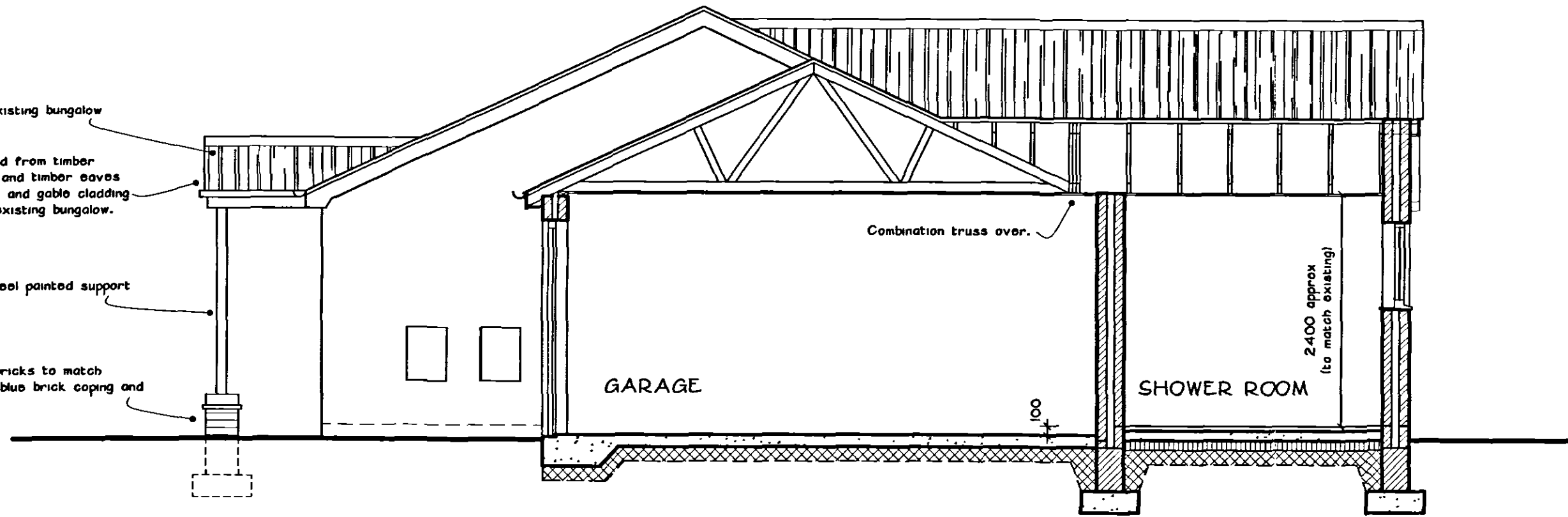
Roof valleys to be formed in Code 5 lead in accordance with LDA guidelines or in rigid fibreglass.

Roof tiles to match existing bungalow

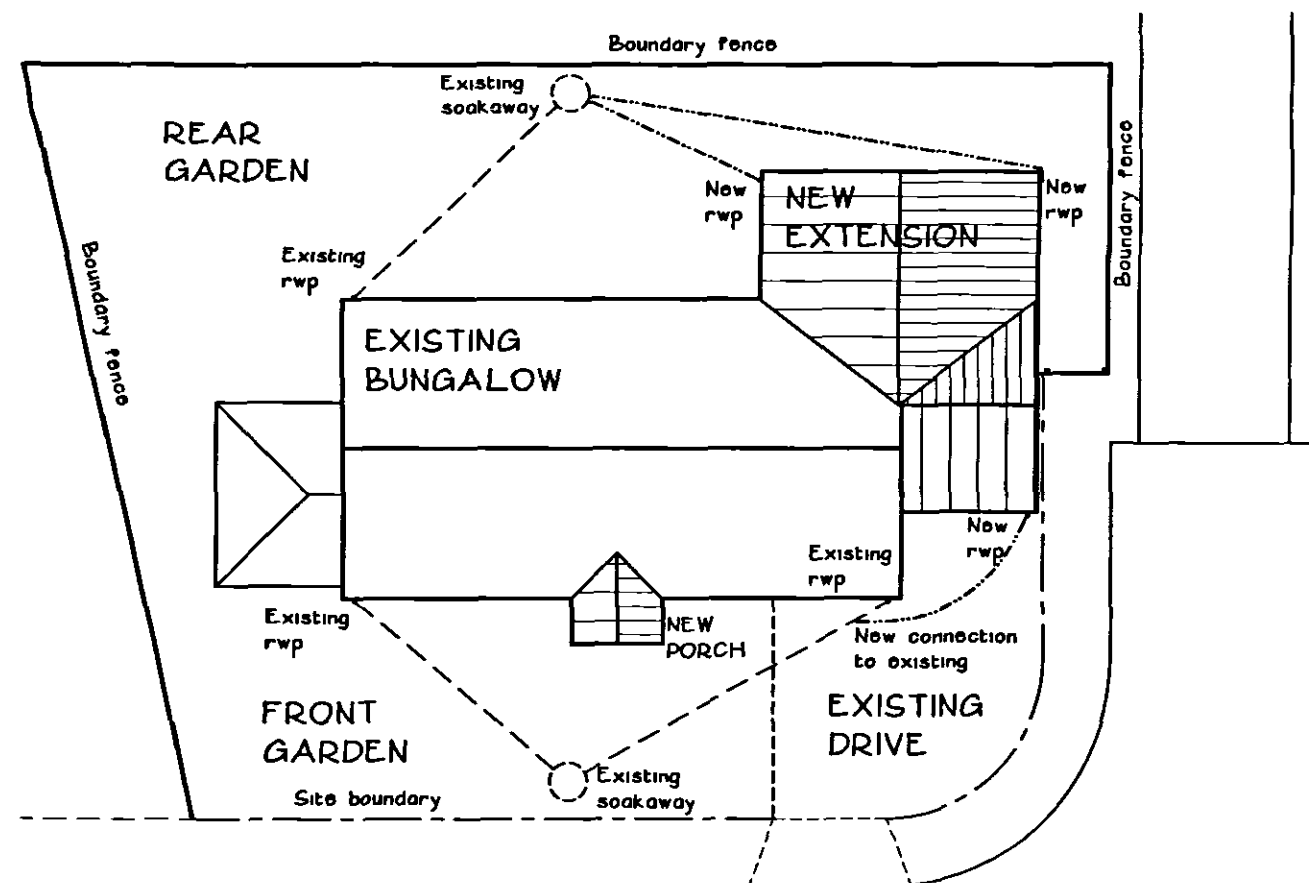
Porch roof constructed from timber rafters, timber joists and timber eaves beams. Fascia gutters and gable cladding to be UPVC to match existing bungalow.

100 x 100mm hollow steel pointed support posts.

Brick piers in facing bricks to match existing bungalow with blue brick coping and tiled cressing to top



SECTION BB 1:50



MULBERRY DRIVE

SITE PLAN 1:200

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

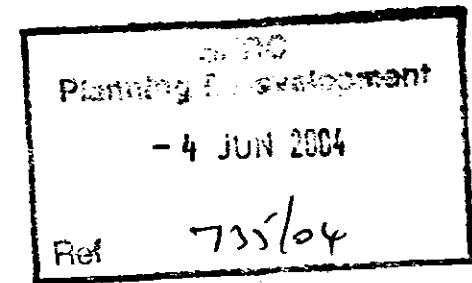
The Employer / Client shall ensure that the selected contractor is conversant with and adopts all measures necessary to achieve compliance with Health and Safety legislation for Building Sites and Work Places.

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

TERMINED
PLAN



Revisions

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Client

MR & MRS G MACE

Project

BUNGALOW EXTENSION

10 MULBERRY WAY
SPALDING

Drawing

DETAIL DRAWING

SECTIONS

SITE PLAN

Scale

As shown

Date

May 2004

Drawing Number

439-03