Build on new rear Sun Room extension in the manner shown.

Existing flat roof over Utility area to be removed and replaced with new pitched roof as shown.

Provide and install steel beam across Sun Room as shown to carry gable wall. Steel beam to be encased to give a minimum ½ hour fire resistance. Steel beam to be all in accordance with Structural Calculations.

Provide 150mm insulation block wall between garage and Sun Room as shown.

Remove existing rear garage up and over door and frame as shown dotted.

Existing foul drains under new extension to be exposed and replaced as necessary and encased in 150mm of concrete.

Existing inspection chamber within new Sun Room to have new double-sealed bolted cover fitted.

Built-up gable wall in position shown over Sun Room to be in cavity wall and over Utility to be in single skin facing bricks.

New floor to be laid level with existing floor in Utility.

At junction of new pitched roof and main house wall provide suitable valley gutter all to make completely watertight. Boxing around existing soil and vent pipe to be adjusted as necessary.

External Materials
Facing bricks and roof tiles to match those of existing house.

Roof pitch to suit that of existing house (approx. 25°). Roof overhang, fascia, soffit and barges to match those of existing house.

Make good to all disturbed and affected areas.

Provide suitable ventilation tiles where necessary to allow for required eaves ventilation.

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.

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.

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.

Roof Construction
Concrete interlocking roof tiles (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.

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

Garage Floor Construction
100mm concrete oversite on 1200 gauge polythene d.p.m. on minimum 150mm, maximum 600mm well blinded and compacted hardcore. If garage is integral to house finished floor level to be 100mm below that of house. Wall d.p.c. to lap floor d.p.m. by a minimum of 50mm.

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.

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 on minimum 150mm, maximum 600mm well blinded and compacted hardcore. Wall d.p.c. to lap floor d.p.m. by a minimum of 50mm.

Lintels
All coded 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.

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 non-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.

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

All soakaways to be minimum 1m deep.

All external lintels to be insulated type.

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.

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

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

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.

Seal all openings and joints to perimeter walls.

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

Provide a fibrous separating member between floor screed and insulation and provide chicken wire between insulation and screed.

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

Please note this drawing is not a conveyance drawing.

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

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 Planning and Building Regulations approvals. This drawing must not be used as a contract document alone. The works will not be supervised or inspected by Status Design unless specifically contracted to do so. It is the client or their agent's responsibility to control workmanship, sub-stitution of materials, adherence to specification, variations to contract, etc.

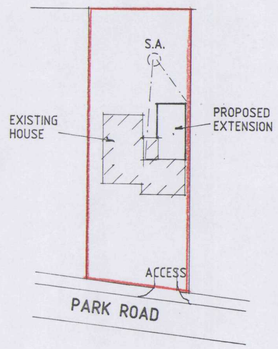
All materials to be new unless stated otherwise and all components and materials, etc. to be used, fitted and installed, etc. in strict accordance with manufacturers' instructions and relevant Code of Practise. Materials should conform to appropriate British Standard specification or BBA Certificate or European Code equivalent.

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 1994 (CDM) and Health and Safety at Work, etc., Act 1974 (HSW Act) an independent Planning Supervisor will be required, whom should be supplied with a set of all relevant drawings, etc.

The works shall comprise of all that shown on the drawings and information, etc. Works that may not specifically be shown but may be reasonably inferred as necessary to carry out the works shall be deemed to be included.

These notes relate to this drawing and all associated drawings.

THIS DRG. TO BE READ IN CONJUNCTION WITH SD04-062/1



SITE PLAN

DETERMINED PLAN

Status DESIGN
CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED EXTENSION AT 33 PARK ROAD, LONG SUTTON FOR

MR. C. WORTS.

1:500	SD04-062/2
JULY-04	B.GILHAM.

SHDC Planning & Development - 9 AUG 2004 Ref: 1073/04

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