

Build on extension in the manner shown.

External materials
Facing bricks and roof tiles to match existing.

Roof pitch to match existing.

Floor level to be level with existing.

Eaves line and overhang to line up with existing.

Form lead valley between new and existing roof; to be completely watertight and to discharge into rainwater pipe via hopper head, as necessary.

Remove existing window between new hall and cinema and cut opening down to floor as necessary and install new door and window as shown; brick up as necessary.

Remove existing entrance frame to hall.

Brick up openings to bathroom, as shown.

Form opening into existing w.c. from bathroom, as shown; support over with I.G. box 200 lintel or similar approved.

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

Existing inspection chambers within building to be double sealed bolted down type.

Connect foul drains to existing inspection chambers, as shown.

To cinema room provide and install proprietary mechanical ventilation unit capable of extracting 15l/sec; system to offer intermittent operation.

Make good to all disturbed and affected areas.

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.

Bathroom/En-suite Ventilation

Provide proprietary mechanical extract ventilation unit capable of extracting 15 l/sec. System to offer intermittent operation.

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 BS5839 Part 6, 2006 in accordance with Approved Document B1.

Rainwater Goods

PVC rainwater goods 110mm half round gutters and 68mm diameter downpipes.

WC Trickle Ventilation

Provide proprietary trickle ventilators to head of window giving a total opening area of not less than 4000mm².

Roof Insulation

To roof spaces provide proprietary 300mm thick fibreglass insulation laid as 100mm between joists and 200mm across joists or equivalent to give 0.16 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 p.a. gravel. Pipes to discharge into 1200mm diameter soakaways sited 5000mm away from buildings.

Fascia and Bargeboards

To be 25 x 75mm PSE with 6 mm groove to accept 6mm thick exterior grade plywood soffit.

Ceilings

To all insulated roof ceilings provide 12.5mm Gyproc Duplex plasterboard of 10kg/m² or similar and either 5mm skin or Artex finish. To remaining ceilings provide 12.5mm Gyproc plasterboard or similar with finishes as above.

Foul Water Drainage

Underground drainage to be proprietary 110mm diameter p.v.c. pipes flexible joined to fall 1:70 bedded in 100mm pea gravel. Under building drains to be encased in 150mm pea gravel with lined over pipes at wall abutments. Where drain passes through wall, provide suitable protection to prevent gas ingress to building. 110mm diameter soil and vent pipe to extend 900mm above window head and to terminate in balloon final. Soil and vent pipe to be fitted with access plate at base. Provide suitably sized wastes from all appliances (in accordance with Approved Document H) complete with minimum 75mm deep sealed traps and rodding eye access points at every direction change. All above ground drainage to BS5582 and all underground drainage to BS8301. Provide seal plates both sides of pipe entry to avoid vermin entry.

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 noggin 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.

Ground Floor Construction

65mm sand/cement screed on 100mm Celotex insulation 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 L/E lintels by I.G. or similar approved.

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.

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.

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 Pilkington 'K' glass or similar approved, to achieve either WER Band C or a 'U' value of 1.6W/m²K.

Electrical Work

All electrical work required to meet the requirements of Part P (electrical safety) must be designed, installed, inspected and tested by a person competent to do so. Prior to completion of the works the council must be satisfied that either:-

- a) an electrical installation certificate issued under a competent person's scheme has been issued or
- b) an appropriate electrical installation certificate has been issued for the work, and that it has been signed by a person competent to do so.

External Cavity Wall Lintels for 300mm Cavity Walls

IG type L1/S100 unless stated otherwise. To be confirmed on site with Building Control Surveyor.

Internal Lintels

IG type Internal 100mm lintels to openings in 100mm internal walls unless stated otherwise.

Purge ventilation to windows

For a hinged or pivot window that opens 30° or more the height and width should be at least 1/20th of the floor area of the room.

For a hinged or pivot window that opens less than 30° the height and width should be at least 1/10th of the floor area.

Background Ventilation

Background ventilation is to be provided by trickle ventilators to the tops of windows. Use trickle vents offering 8000mm² per window head. Ventilation for whole extension to be 25,000mm².

External Wall Construction (300mm cavity)

100mm facing brickwork (see site plan for details) 100mm cavity with 45mm Celotex CW4000 100mm inner skin of Celcon standard blocks. Cavity wall ties to be stainless steel type spaced 900mm horizontally and 450mm vertically to BS1243:1978. Internal block walls to receive 10mm sand/cement render and skim. Robust details in accordance with T50, 2001.

All glazing to meet the requirements of 'Approved Document N - Safety Glazing' in relation to impact, opening and ejection.

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

All soakaways to be minimum 1m deep.

All external lintels to be insulated type.

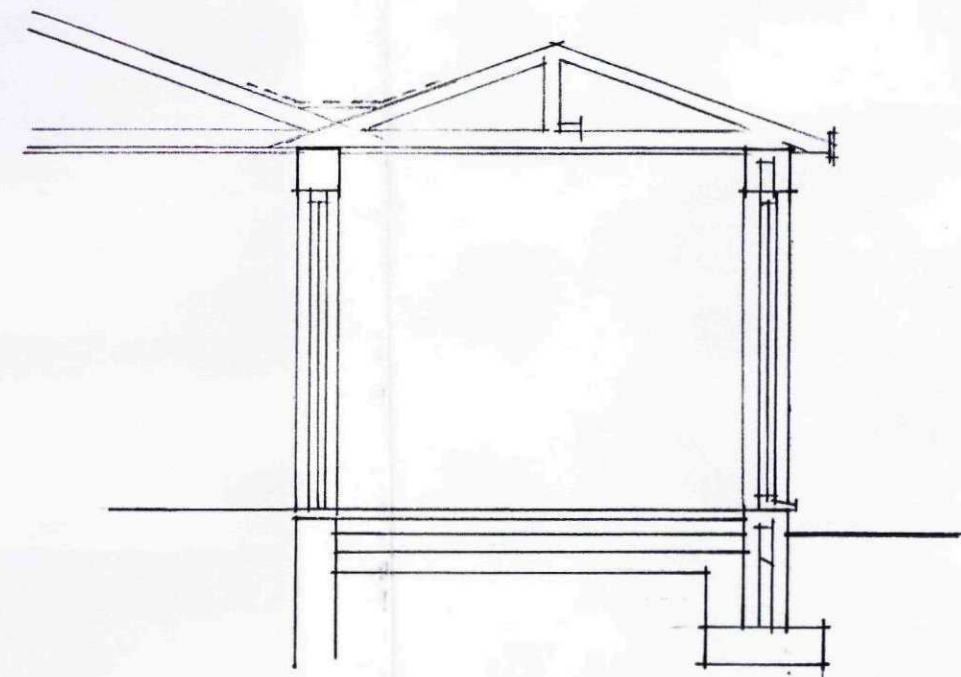
All external joinery to be fully draught proofed.

Loft hatch to be draught sealed and latched shut.

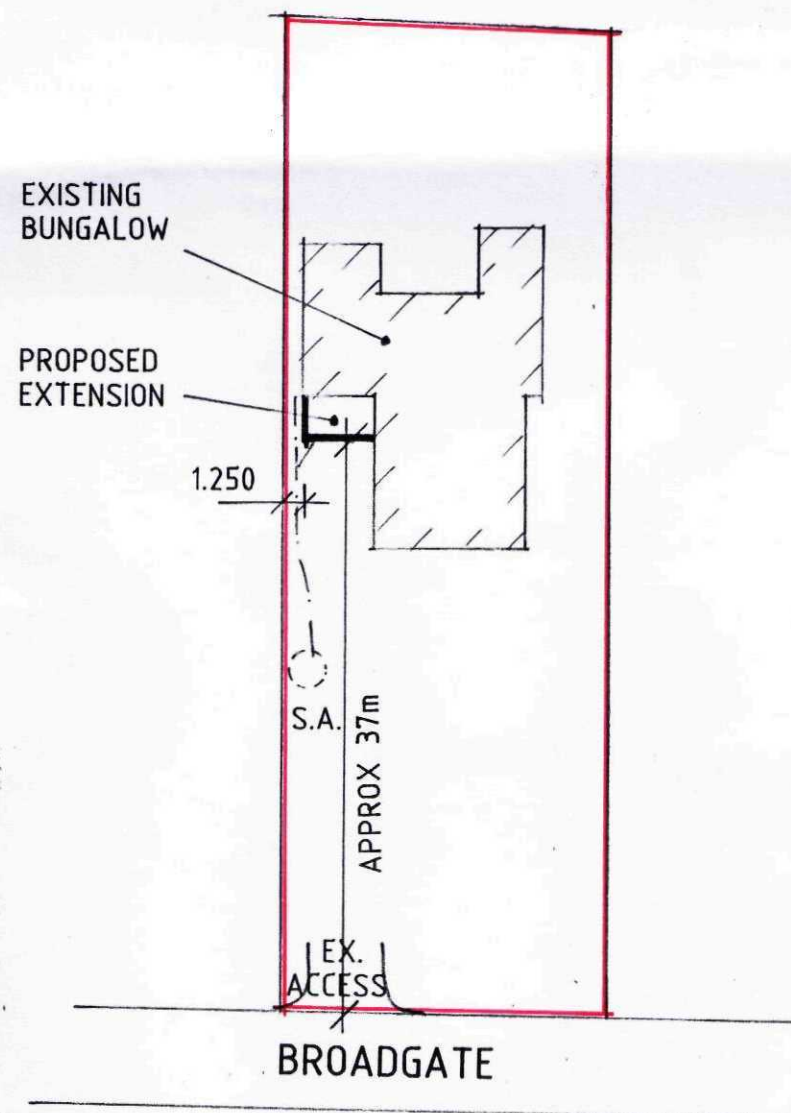
Insulation in roof space to meet with insulation in external cavity walls to prevent cold bridging.

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.



SECTION



SITE PLAN

THIS DRG. TO BE READ IN CONJUNCTION WITH
SD11-030/1, SD11-030/2
THERMAL DETAILS - MC1-RE-01, MC1-WD-03
MC1-WD-04, MC1-WD-05

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 than 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 in 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, substitution 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 Practice. 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.

A - ALTS - 19.9.11

Status
DESIGN
CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED EXTENSION AT
252 BROADGATE, SUTTON
ST. EDMUND FOR

MR. R. WARD.

SECTION/SITE PLAN

1:50 1:500 SD11-030/3
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