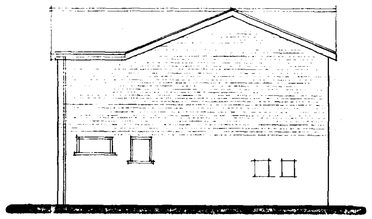
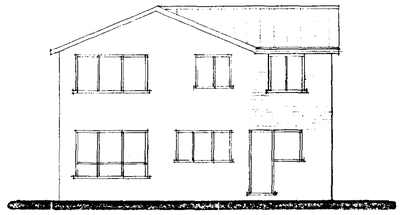


FRONT



SIDE



REAR

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.

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.

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.

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.

Protection to Underground Pipes
Where pipes are not under road and have less than 600mm cover concrete paving slabs should be laid as bridging above the pipes on minimum 75mm pea gravel. If flexible pipes are under a road and have less than 900mm cover reinforced concrete bridging should be used instead of paving slabs. Provide compressible material below slab/concrete.

First Floor Walling
Provide 50 x 75mm timber vertical studs at 400mm c/c to be constructed of 50 x 75mm timber head and sole plates. Provide 12.5mm Gyproc plasterboard and skim finish to both sides. Provide to airspace proprietary acoustic insulation (optional). Timber stud partitions running parallel to joist direction to be built off 2 no. floor joists fixed together. Provide 1 no. joist either end of stud partition joist beam to fix flooring.

First Floor Construction
19mm flooring grade moisture resistant decking on timber joists as stated on plan. To external walls joists to be supported on joist hangers (not built into wall). Provide 30mm x 5mm mild steel restraint straps to joists running parallel with wall securely fixed to walls and to span minimum 3 no. joists at maximum 1200mm c/c. At strap positions provide pack and noggin to joists. Solid strutting to be installed mid-span where span of joists between 2.5m and 4.5m. For spans in excess of 4.5m position of struts at 1/3 rd span. Double up floor joists locally under bath feet and hot water cylinder where applicable. All doubled up joists to be bolted together at 600mm centres.

Porch Roof Construction
Tiles, battens and underlay as for main house roof on 50 x 150mm rafters, 50 x 150mm ceiling ties and 50 x 100mm wall struts. Rafters and ceiling ties to be built into outside wall 100mm or supported on mild steel hangers. Rafters to be supported on 100 x 200mm beam in turn built into wall 100mm all as shown on roof layout plan. All timber SC3 grade.

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.

Flat Roof Construction (Warm Deck)
12.7mm white spar chippings bedded on bitumen on 3 no. layers built up felt (first layer asbestos based) on insulated roof deck comprising felt on Celotex Double R RG2080 80mm insulation on 12mm external grade plywood decking on 50mm to 0mm timber firrings securely spiked to trested timber joists (size stated on drawing). Provide 30 x 5mm mild steel anchor and lateral restraint straps to joists fixed to walls at maximum 1200mm c/c. Provide suitably sized fascia board. Form all necessary felt drips including tilting fillets and keep felt drips clear of fascia boarding. If flat roof intersects with pitched roof ensure flat roof felt laps under felt of pitched roof by a minimum of 600mm.

New/Old Walling
Where new walling meets old provide proprietary flexible wall starters.

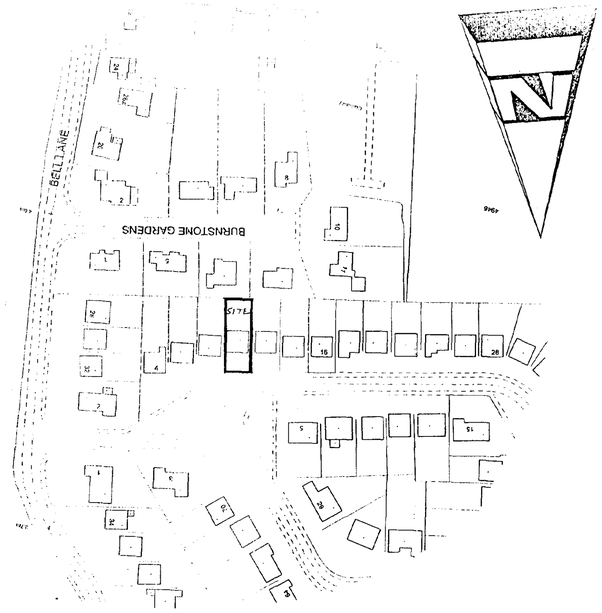
Insulated Pipes and Ducts
All pipes, which do not contribute to the heating of the building, will be insulated to BS5422 1977.

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.



LOCATION PLAN

Habitable Room Trickle Ventilation
Provide proprietary trickle ventilators to head of windows giving a total opening area of not less than 8000mm²

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.

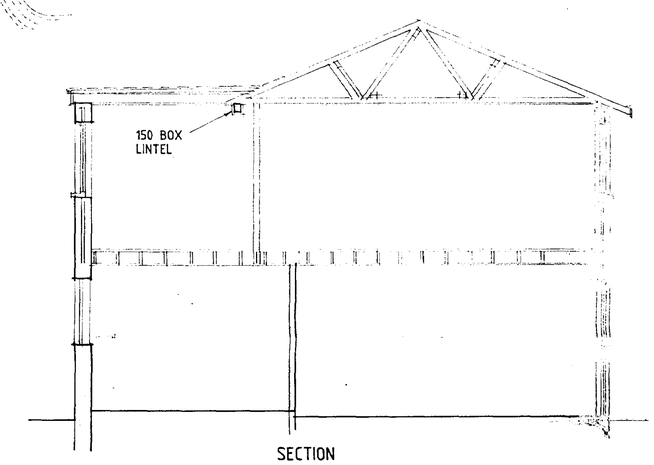
Surface Water Drainage
To be proprietary 110mm diameter p.v.c. pipes flexible jointed to fall 1:70 bedded in 100mm pea gravel. Pipes to discharge into 1200mm diameter soakaways sited 5000mm away from buildings.

Roof Ventilation
At ridge provide proprietary ventilator equivalent to a 5mm continuous gap along ridge.

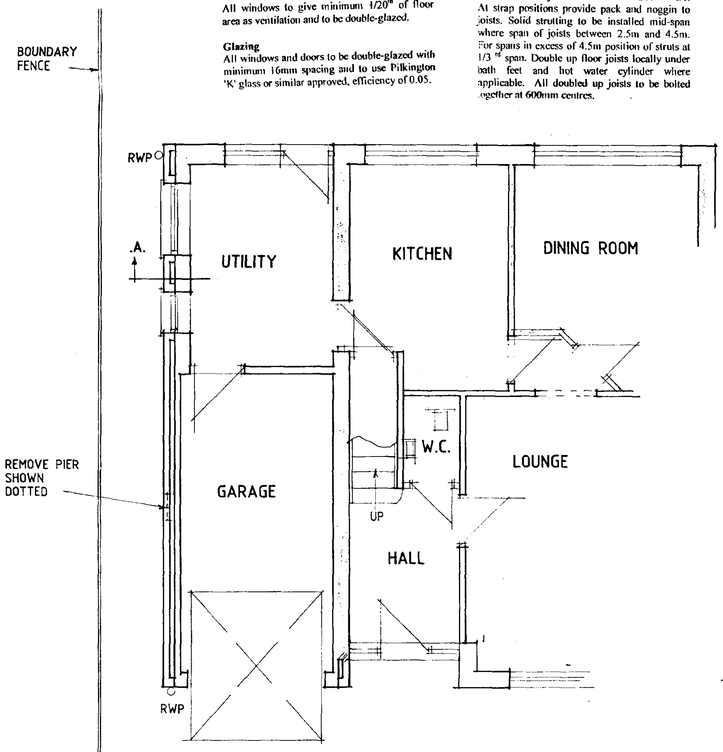
Roof Ventilation
At eaves provide proprietary ventilator equivalent to a 25mm continuous gap along eaves.

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.



SECTION



GROUND FLOOR PLAN

Extension to consist of 2 no. bedrooms above existing garage/utility area along with a lean-to roof over front porch area.

Remove existing flat roof over garage/utility.

To side walls of garage and utility where shown provide new external skin of facing brickwork and 75mm cavity. For foundations to this area see Foundation Detail A.

To existing openings in wall with new external skin support over with IG L10 lintels. Windows to be suitably repositioned within reveal.

Electricity and gas meters to be repositioned within new external skin.

Windows within new bedrooms to be positioned centrally within rooms.

New first floor to be laid level with existing. Floor joists to be 125mm x 50mm SC3 grade at 400mm centres. To first floor area over garage provide 300mm fibreglass insulation between joists and 2 no. layers of 12.7mm plasterboard and skim or Artex to ceiling.

Form new lean-to roof over front entrance area – see Porch Roof construction.

Remove existing landing window and adjust opening to form 900mm wide arch in position shown. Support over with IG L6 lintel. Opening to be down to floor level as access to new extension.

Provide in position shown 150mm Box lintel to support both flat and pitched roofs. Clad lintel with 2 no. layers of 12.7mm plasterboard and skim.

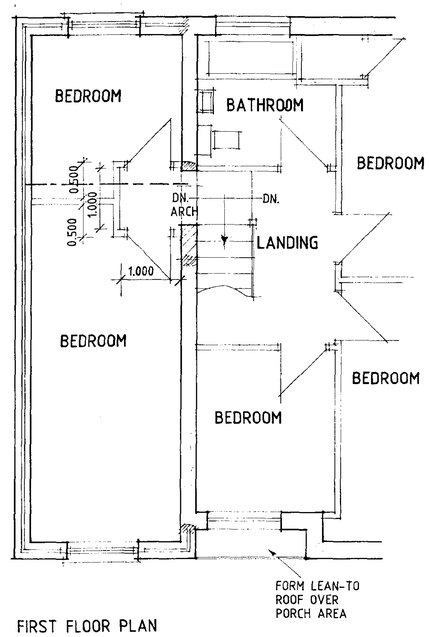
Flat roof to have 125mm x 50mm SC3 grade joists at 400mm centres.

Form new flat roof and pitched roof over extension as shown. Pitched roof to be the same overall width as main roof from side to side to ensure apex lines up with existing apex.

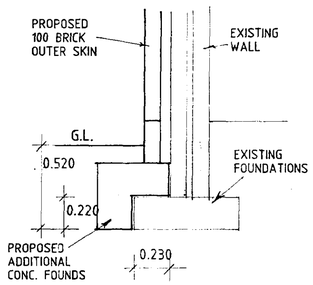
Roof pitch, fascias, soffits, etc. all to match up and be in line with existing.

Facing bricks to match existing.

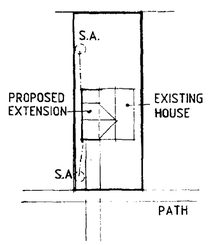
Roof tiles to match those of existing roof.



FIRST FLOOR PLAN



FOUNDATION DETAIL .A.



SITE PLAN

Planning ... ment
- 6 JAN 2003
Ref 0007/03

Status
D B S I G N
CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED EXTENSION TO 10 HATT CLOSE, MOULTON FOR

MR. & MRS. S. ADCOCK.

1:50 1:100 1:1250 1:500 | SD02-067/1

DEC-02 | B.GILHAM.

2 Edinburgh Walk, Holbeach, Spalding, Lincs. PE12 7AP
Tel: 01406 424343 Fax: 01406 490702

General Notes

Do not scale from this drawing.

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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.

Please note, this drawing is not a conveyance drawing.

Construction work to be carried out with due regard to the construction (Design and Management) Regulations 1994 (CDM) and the Health and Safety at work, etc. Act 1974 (HSW Act)

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