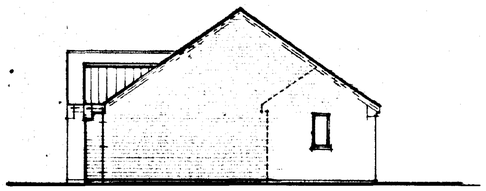
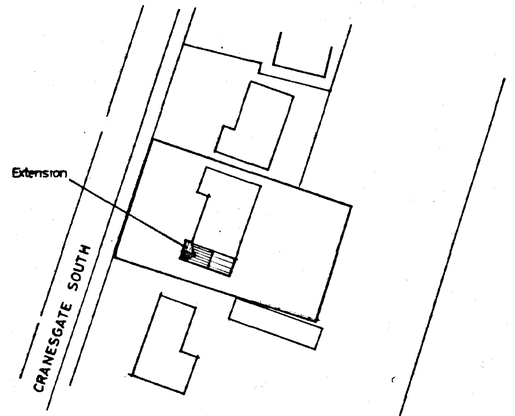


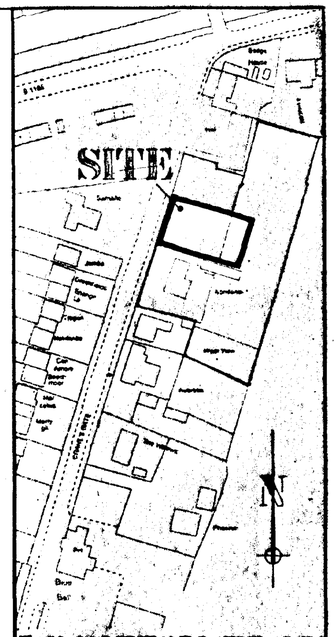
FRONT



SIDE



SITE PLAN
1 : 500



LOCATION PLAN
1 : 1250

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The works will not be supervised or inspected on site by G R Merchant or any representative thereof. It is the client or their appointed agents responsibility to control workmanship, substitution of materials, adherence to specification, variations to contract etc.

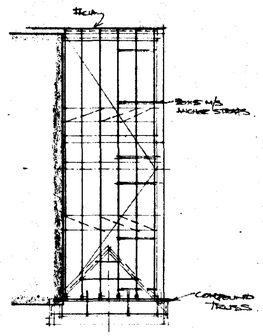
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Materials shall conform to appropriate British Standard Specification or BBA Certificate or European Code equivalent

HEALTH & SAFETY.
The Employer/Client shall ensure that the selected contractor is conversant with and adopts all measures necessary to achieve compliance with Health & 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 an independant Planning Supervisor will be required

SCOPE OF THE WORKS.
The works shall comprise of all that is shown on the drawing and details. Work that may not be specifically shown but may be reasonably inferred as necessary to carry out the works shall be deemed to be included

PLAN



ROOF PLAN

Ventilation:-
Natural ventilation area of windows to offer at least 1/20th of room floor area. All windows to have trickle ventilators fitted to head to give 8000mm2 ventilation to habitable rooms and 4000mm2 to all others

Roof insulation:-
Insulation to roof space to be 200mm thick fibreglass laid 100mm between and 100mm over ceiling ties
If insulation is required to a rafter section of the roof ie: attic trusses, then provide in between rafters suitable polystyrene insulation 100mm thick, maintaining 50mm air gap between insulation and underfelt. Ensure there is a spacer fitted in the eaves so that the insulation can be installed over and beyond the wall plate.

Roof ventilation:-
Provide ventilation to roof space at eaves via patent system giving the required air circulation as follows:-
1) On a pitched roof of 15 degrees or more provide at eaves ventilation equal to a 10mm continuous gap running along eaves.
2) On a roof where pitch is less than 15 degrees or where the ceiling follows the line of the roof ie; attic trusses, provide at eaves ventilation equal to a 25mm continuous gap running along eaves
3) Also on roofs where ceilings follow roof line ventilation is required at ridge line with suitable ridge vent (by tile manufacturer), to give ventilation equal to a 5mm continuous gap running along ridge.
4) At roof/wall abutment ventilation required in form of a tile vent or similar to give ventilation equal to a 5mm continuous gap along abutment.
Ensure 50mm gap between insulation and underfelt

Electrical installation:-
All work to be carried out in accordance with the latest IEE regulations. Extend electrical circuits from customer unit in ring mains and install lighting and power points in position as directed.

Decoration:-
Allow for decorating all new surfaces, ensure full and proper preparation of all surfaces in accordance with the coating manufacturers specification.

Joinery:-
Doors, frames, linings, skirtings, architraves, window board and timber mouldings etc. to be of standard manufacturer and be Rugby Joinery Ltd. or equal approved.

Skirting and architraves:-
Timber mouldings, skirtings and architraves to be standard section or as otherwise directed.

Preparation:-
Excavate site down approximately 100mm to remove top soil and vegetation.

Foundations:-
Provide generally GEN 3 concrete strip footings under walls as shown on drawing. 700 wide x 225 deep under cavity walls. Foundations taken down to an approved firm base approximately 900mm below ground level, subject to soil test reports and Local authority specifications

Sub-structure Walling:-
100mm thick class A dense concrete blocks(7N/mm2) made upto 150mm above ground level with FL quality splash course brickwork (commons internally, engineering or facing brickwork externally). Provide weak mix concrete infill to base of cavities to terminate 225mm below lowest DPC level.

DPC`sc-
All openings to be formed with vertical and horizontal polythene DPC`s in cavity. DPC minimum 150mm above ground level to be lapped to ground floor DPM minimum 50mm. To lintels above openings on external walls provide suitable DPC cavity tray over lintel with stopends and at least 2no. catnic or sim. Weepholes in brickwork per opening not more than 450mm apart.

Ground floor base:-
Lay on reduced ground level minimum 150mm maximum 600mm thick well compacted(in 150mm layers) and blinded hardcore. Over lay 1200 gauge DPM then 100mm thick GEN 4 concrete oversite

Walling:-
265 cavity walling to consist of face brickwork to BS 3921: 1974 for clay bricks and BS 187: 1978 for calcium silicate bricks. 65 cavity: 100mm Tarmac Hemelite solid insulation blocks or similar. Cavity walls tied together using galvanised iron twist ties set 900 horizontally and 450 vertically to BS 1243: 1978 wall ties positioned at 300 vertical centres at all unbonded closures of cavity: close cavities with "Thermabate" preformed closer and provide bitumen felt DPC to CP 121. Movement joints to be installed in blockwork in accordance with BS 5628, part 3 1985.

Plasterwork:-
Walls to be plastered cement lime sand render with skim finish a total of 13mm thick including reveals and lintel soffits.

Flashings:-
At roof and wall abutments provide code 4 lead flashing and dress up wall in 150mm steps and over tiles. Connect to patent stepped cavity tray system within cavity to stop the passage of water.

Lintels:-
All lintels to be manufactured by Wessex IG and to be installed in accordance with makers instructions and to have minimum end bearing of 150mm and at external positions to have cavity tray DPC to CP 121.(see separate note). Internal lintels to be IG 100 BOX type

Ceilings:-
Provide and fix 12.7mm Gyproc wallboard to all new ceilings. Nog all perimeters and board joints prior to fixing plasterboard to fully support sheeting. Fix Gyproc coving and artex or skim finish to ceiling.

Roof construction:-
Concrete interlocking tiles on 25 x 38 softwood treated timber battens on underfelt to BS 747 (type 1F) lapped 150mm horizontally and vertically. On prefabricated trusses at centres and pitches stated on drawings all in accordance with BS 5268 part 3 (1985). All bracing to be 25 x 100 softwood and positioned all in accordance with manufacturers instructions. Bracing to be fixed to gable wall. Trusses to be well secured to 50 x 100 wallplate. Provide 30 x 5 galvanised mild steel anchor and lateral restraint straps along line of wall plate, rafters and ties at 1800mm centres. Strap to be fixed to gable wall + span 3no. trusses. Provide pack and noggins to trusses at strap position. Roof truss design and certificate to be supplied to building control prior to erection on site

Rainwater goods:-
PVC gutters 115mm half round and 68mm dia down pipes to match including all bends, outlets, clips, brackets, connectors etc. and connect to underground drain to soakaway.

Soakaways:-
To be a minimum 5000mm from any building and to be 1m3 rubble filled with inlet pipe discharging to centre of soakaway.

Doors and Windows:-
See Schedule

Protected glazing areas:-
Provide toughened glass to BS6206 (1981) to following areas. To all windows within 800mm of finished floor level. To all door glazing within 1500mm of finished floor level. This also applies to side screens within 300mm of door. Protected glazing to be permanently marked with BS kite mark.

Heating etc.:-
Extend existing system

Fascia and bargeboards (if any):-
All to be 32mm thick treated PSE softwood timber, depth to be determined on application. Provide a 6mm groove near bottom of boards to accept 6mm thick plywood or masterboard soffit

DOOR, WINDOW & LINTEL SCHEDULE

Pos	Ref	Lintel	Length
1	Purpose made Upvc window to suit opening	Existing	-
2	Re-use existing garage door	I.G L/HD	2700

G. R. MERCHANT
I.ENG AMICE, FIWO,
ARCHITECTURAL, STRUCTURAL & LAND DRAINAGE CONSULTANT
TEL: HOLBEACH (01406) 490800

PROJECT:
GARAGE EXTENSION
CRANESGATE SOUTH
WHAPLODE ST CATHERINE

CLIENT:
C J BOLAND

SOUTH HOLLAND DISTRICT COUNCIL BUILDING & PLANNING 15 NOV 2000 Ref. 1349/00

SCALES:
1/50 1/100
(unless otherwise stated)

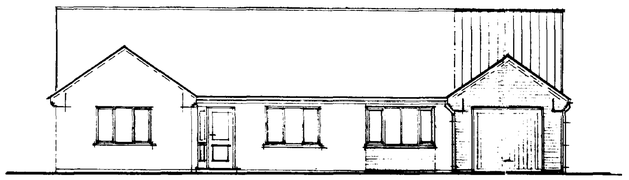
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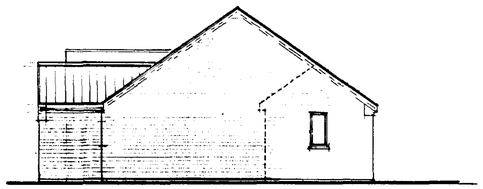
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REVISIONS:

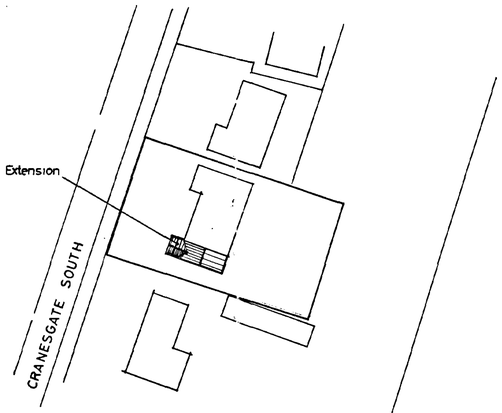
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FRONT

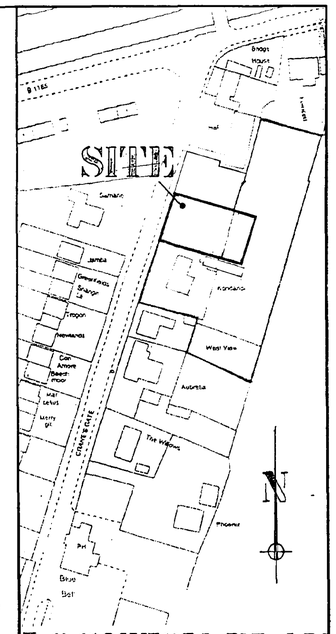


SIDE

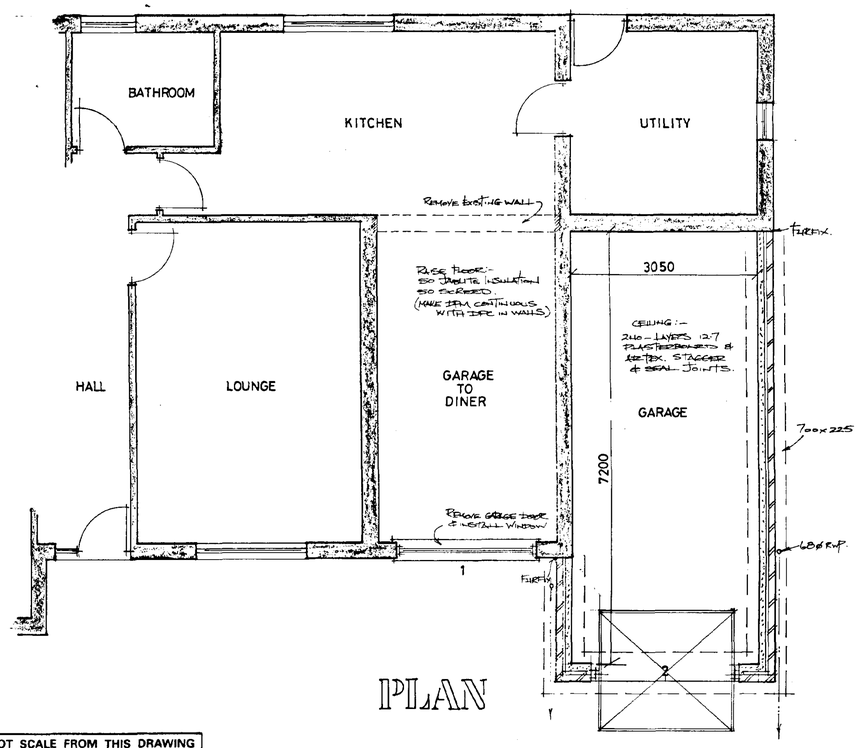


AMENDED PLAN
Ref. A1

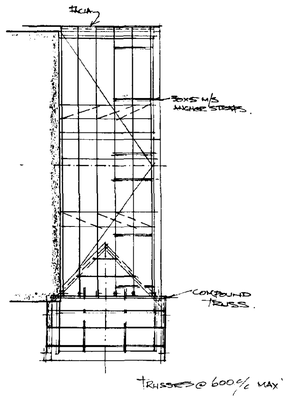
SITE PLAN
1 : 500



LOCATION PLAN
1 : 1250



PLAN



ROOF PLAN

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A. EXTEND GARAGE 27.3.02

G. R. MERCHANT
I.ENG AMICE, FIWO,
ARCHITECTURAL, STRUCTURAL & LAND DRAINAGE CONSULTANT
TEL: HOLBEACH (01406) 490800

PROJECT:
GARAGE EXTENSION
CRANESGATE SOUTH
WHAPLODE ST CATHERINE

CLIENT:
C J BOLAND

SCALES: *1/50 1/100 (unless otherwise stated)*
DATE: *NOV 2000*
G.R.MERCHANT.
DRAWING No.: *142/00/11A*
REVISIONS: A