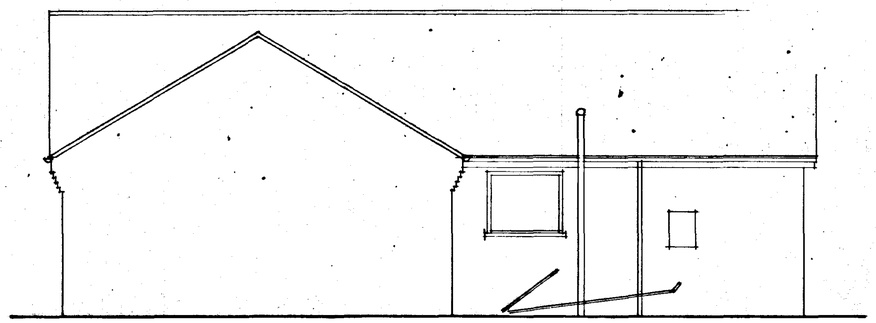
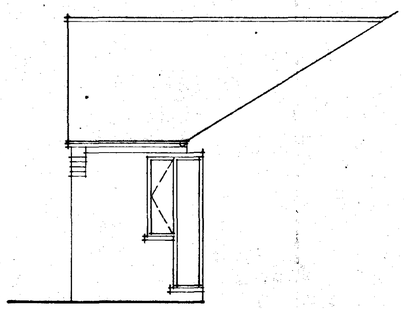
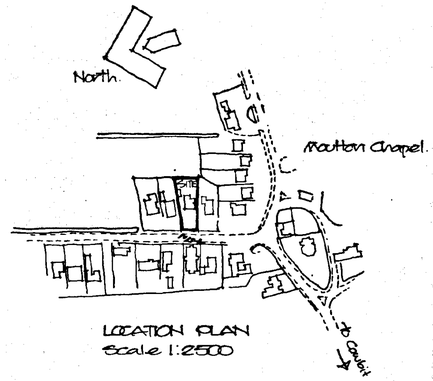


SIDE ELEVATION

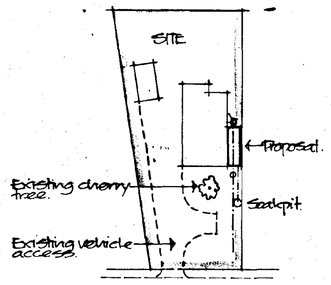
Roof tiles to match existing
Facing bricks to match existing.



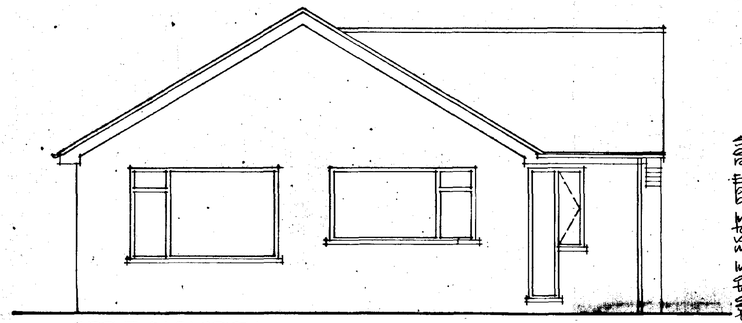
REAR ELEVATION



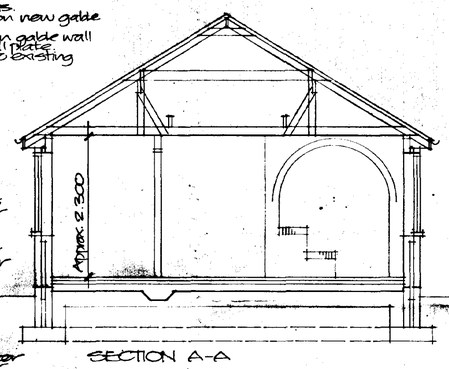
LOCATION PLAN
Scale 1:2500



BLOCK PLAN
Scale 1:500



FRONT ELEVATION.



SECTION A-A

Roof construction:

New interlocking concrete tiles to match existing on 38x19 treated battens on sarking felt (tiles installed to manufacturers recommendations). on built up timber roof structure formed of:

- 50x100 rafters at 600mm ctrs
- 38x125 ceiling joists at 600mm ctrs.
- 47x175 ceiling binders supported on new gable wall and existing wall plate
- 150x200 purlins spanning between gable wall and strut supported on existing wall plate
- 38x100 struts from U/S of purlin to existing wall plate with 50x100 brace
- 50x150 ridge board
- 38x150 collar at strut location.
- 50x100 collars at ridge
- 50x100 wall plates.

Section of roof structure built off existing to be formed of 50x100 rafters and ties

Eaves constructed to match existing pot with approx. 165mm overhang as barge board.

Install roof void vent strip in new eaves to give equivalent of 10mm wide clear vent gap. Min 50mm clear gap to be maintained above roof insulation.

Install 30x5mm mild steel straps at average 1.800 ctrs. to roof perimeter to be installed at ceiling level and at eaves of roof.
Straps to extend over min. 5no. timbers at gable with solid noggings under.

Roof insulation:

Install 2 layers of 100mm thick glassfibre quilt insulation with 1 layer installed between and 1 layer over ceiling joists.

Ceiling:

To be formed of 12.5mm plasterboard with joints filled. All plasterboard edges to be supported.

Foundations:

To be 225x700 grade 5:1:2 concrete strip foundations min. 750mm deep (1.000 in shrinkable soil.

New walls to be bonded to existing with English wall extension bonding (above and below new window opening).

Drainage (below ground)

Remove existing inspection chamber. and seal off redundant drains.

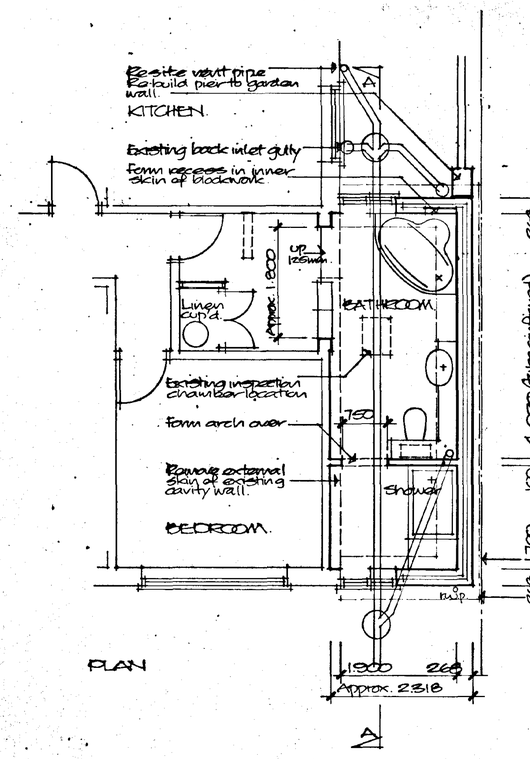
Install 2no. approx. 475mm dia. polypropylene inspection chambers and sections at new 110mm dia. UPVC drains laid clear and surrounded in 100mm pea gravel. Connect existing kitchen gully to new drains.
Install new back inlet gully serving new bath.
Install new 110mm dia. UPVC stub stack with air admittance valve and rodding point

New/existing drains passing through walls to be protected by prestressed concrete lintels with min. 50mm clearance around pipe with protection 1.0m to min. 3.0m.

Any drains within 600mm of ground level to be protected by paving slabs.

Drains (above ground)

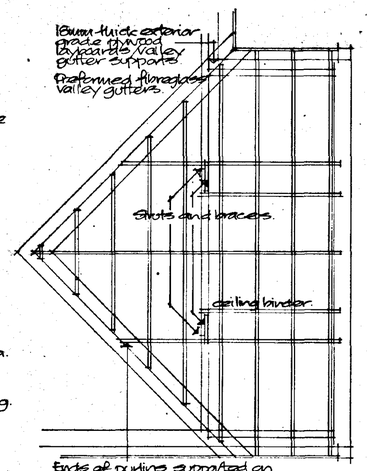
To comply with BS 5572 with 40mm dia. polypropylene wastes serving bath and lavatory and 32mm dia. waste serving wash basin. All fittings to have 76mm seal traps.
Shower trap to be accessible for cleaning.



PLAN

Lintels:

To be I.G. type L1/5 over new windows and type L11 over opening bathroom to former bathroom and extension, see details!
I.G. type 100 internal glaze arch in internal opening adjacent to toilet.



Ends of purling supported on short purling noggings on existing roof structure.

ROOF STRUCTURE LAYOUT.

Heating:

Install electric underfloor heating to new extension.

New hot water tanks to be insulated with 'Armaflex' or similar of thickness to match pipe outside diameter.
Relocated existing insulated hot water cylinder.

Windows:

To be UPVC frames, double glazed (6mm gap) with safety glass to the glazing where glass less than 800mm from floor level.

Window frames to be fitted with trickle vents giving min. 4000mm² vent to bathroom.

Mechanical ventilation:

Install extract fan capable of extracting at a rate of not less than 15 litres per second.

Gutters/downpipes

Install new UPVC. gutters to match existing with new 68mm dia. downpipe connected to 110mm UPVC. drain bedded in 100mm pea gravel to soakpit 1 metre cube at least 5.000 from building.

Cavity walls:

Constructed of 102mm facing brick, 65mm cavity and 100mm carton standard or 'Lamac' 'Toplite' blocks with dense plaster finish. Cavity insulated with an 'Expanded Polystyrene' bonded bead insulation 65mm thick 'U' value = 0.45 w/m²k average.

Dpm over insulated dpc. to reveals with window frame lapping min 15mm.

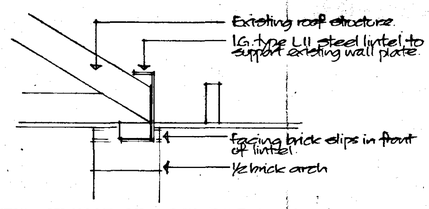
Wall ties installed at 900mm ctrs. horizontally, 450mm ctrs. vertically and 225mm ctrs. within 225mm of reveals

Hylad dpc. to be min. 150mm above ground level with d.p.m. lapping inner dpc.

Blockwork used below dpc. level to be class A.
Concrete fill to base of cavity to within 200mm of dpc. level.

Floor construction:

Formed of 65mm thick lightly reinforced sand/cement screed on 500 gauge 'separating membrane' on 50mm 500 grade 'Jablite' insulation on 100mm grade 5:1:4 concrete floor slab on 1200 gauge 'Visqueen' d.p.m. on min. 350mm thick hardcore well blinded and consolidated.
Floor finish approx. 125mm above existing floor level.
Floor slab thickened to 250mm below internal block wall.



DETAIL AT HEAD OF ARCH BETWEEN FORMER BATHROOM & EXTENSION.

Note: Brick arch could be raised by removal of section of wall plate with roof structure bearing directly on lintel. Confirm that top of lintel does not protrude above roof line.

SDC
PLANNING
25 MAR 1997
Ref: 0321/97

A		
	Date	Revisions

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PE11 3AP
Telephone: 01775 725878
Facsimile: 01775 725097

Client
MR & MRS P.W. LOCKIE

Job Title
EXTENSIONS TO BUNGALOW
8 FENGATE,
MOULTON CHAPEL,
SPALDING.

Drawing Title
PLANS AS PROPOSED

DETERMINING PLAN

Scale
1:50

Date
March 97

Drawn by
ACH

Drg. No.
E0003-97-B.

Rev