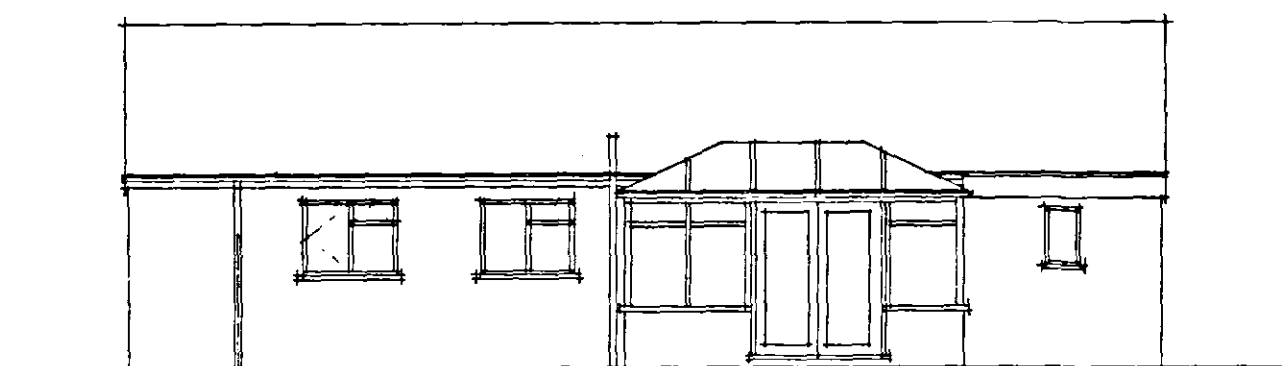
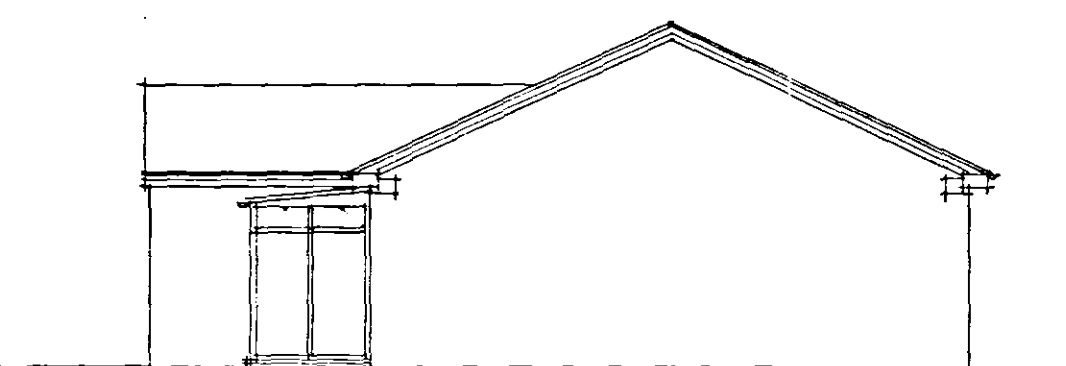
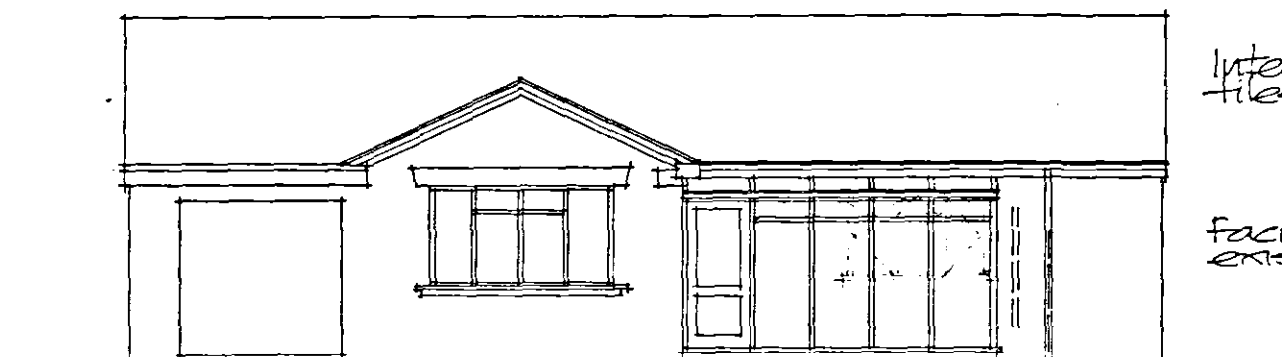
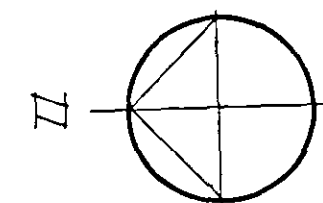




REAR ELEVATION



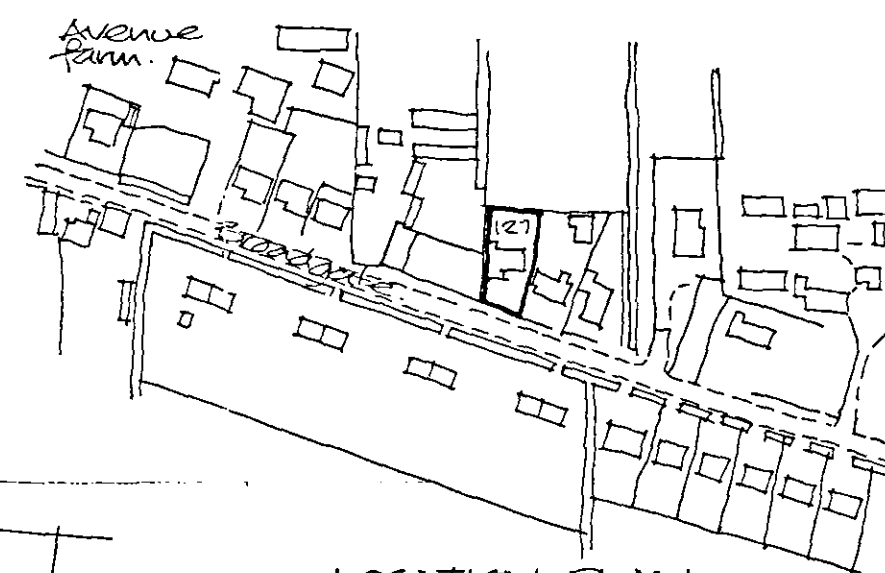
SIDE ELEVATION.



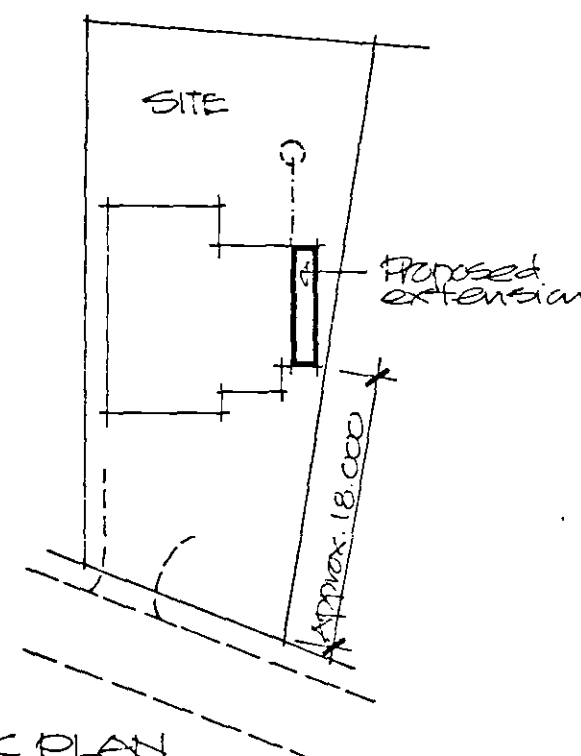
FRONT ELEVATION

Interlocking concrete tiles to match existing.

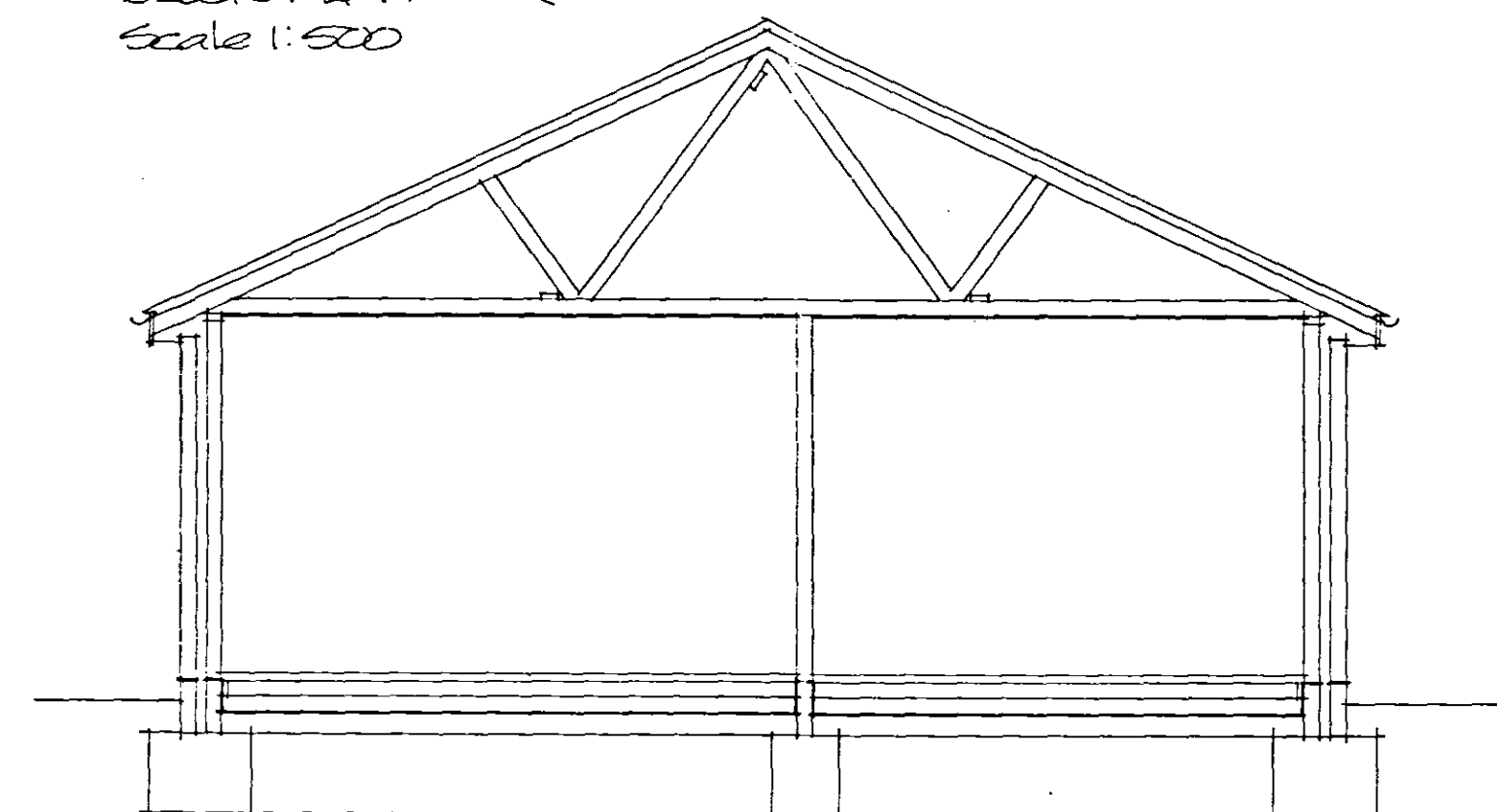
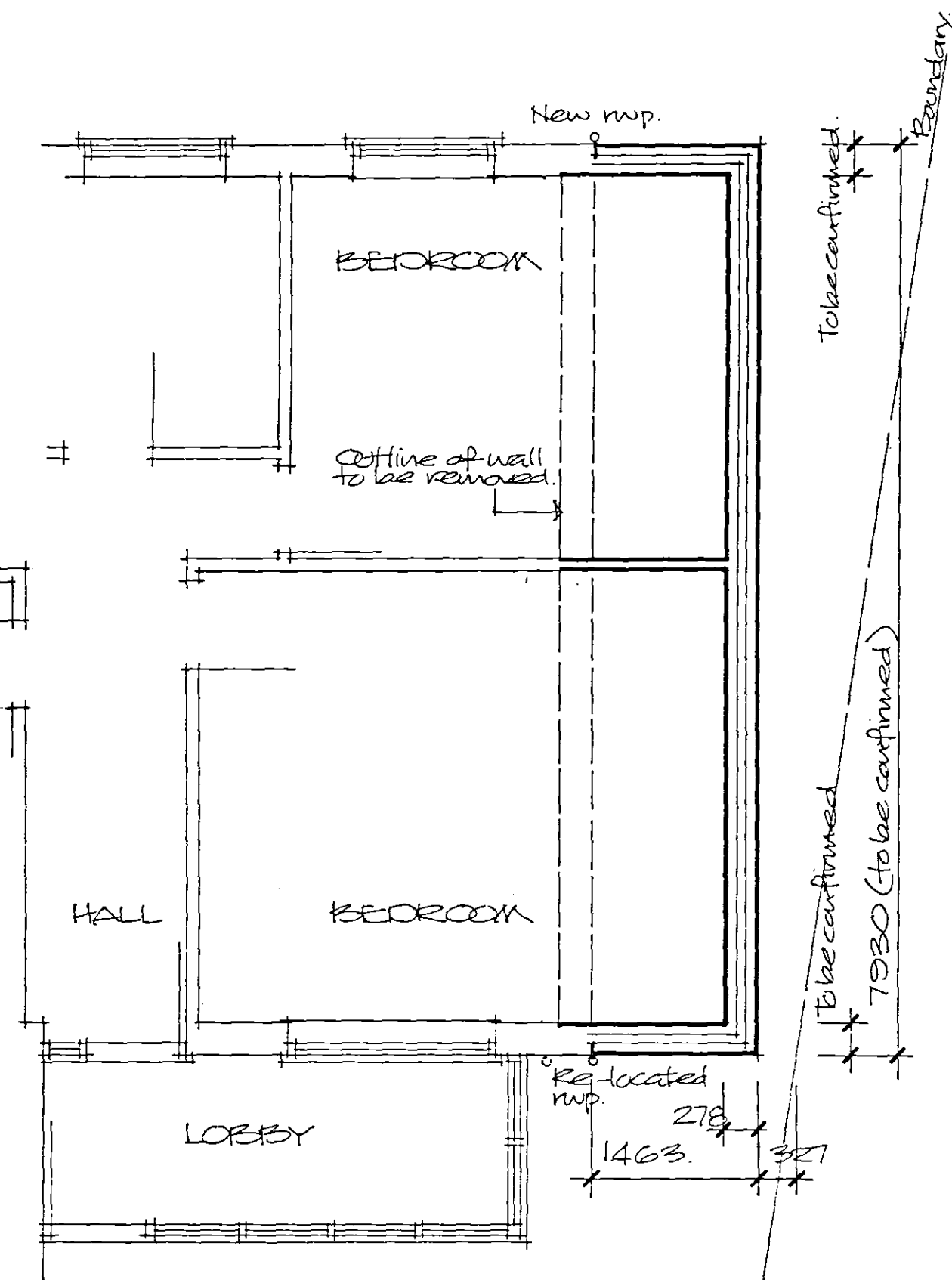
Facing bricks to match existing.



LOCATION PLAN
Scale 1:2500



BLOCK PLAN
Scale 1:500



SECTION.

Roof construction:

Install interlocking concrete tiles to match existing. Tiles to be installed at approx. 25 degrees pitch to match existing and are to be installed to manufacturers recommendations. Tiles are to be installed on 25x50 fully treated battens on Proctor Roofshield or similar breathable sarking with eaves carrier on gangnail roof trusses at max. 600mm cts. Roof trusses to comply with BS 5268 parts 2 and 3 and manufacturer to supply design certificate before installation. Roof truss sizes incl. Spans to be checked on site before ordering.

Wall plates to be min. 50x100.

Install 25x100 longitudinal ties at ridge and ceiling level and 25x100 diagonal braces to gable.

The eaves are to be constructed to be similar to existing. No additional roof void vents are required.

All structural timber to be grade SC3 marked dry or kiln dry.

Install 30x5mm mild steel straps at average 1800mm cts. Between roof structure and external walls. Straps to be installed at ceiling level and at slope of roof.

Gutters, rainwater downpipes and stormwater drains:

Install approx. 112mm dia. half round UPVC gutters to match existing connected to existing re-located downpipe (re-located to cover joint in facing brickwork) and new approx. 68mm dia. downpipe also covering joint in facing brick.

Cavity walls:

Constructed of 103mm thick facing brickwork, 75mm thick insulated cavity and 100mm thick insulating concrete block (630 kg/m³-Tarmac Toplite standard or similar block with equal insulation qualities) with internal finish of 12.5mm plasterboard and skim finish on dabs. Cavity insulation to be 75mm thick Dritherm 32 cavity insulation batts (k=0.032 m²K/W) installed to manufacturers recommendations. Average "U" value = 0.30W/m²K.

Alternative wall construction is facing brick as above, 75mm thick insulated cavity and 100mm thick insulating concrete block (480 kg/m³-Tarmac Toplite GTI or similar block with equal insulation qualities) with internal finish of dense plaster.

Install TDI(UK)Ltd Weathercor or similar insulated cavity closer with frames lapping by min. 30mm.

Install stainless steel wall ties at 900mm cts. Horizontally, 450mm cts. Vertically and at 225mm cts. Within 225mm of reveals.

Install Hyload DPC min. 150mm above ground level with DPM lapping inner wall DPC.

Any concrete blockwork below DPC level to be class A.

New walls bonded to existing with Furfix wall extension profiles (facing brick).

Blockwork fully bonded or bonded with Furfix.

Roof insulation:

Install 100mm thick fibreglass quilt insulation between ceiling ties and 150mm thick quilt over ties to section of ceiling above extension.

Ceiling:

Install 12.5mm thick plasterboard ceiling to extended rooms with support to joints and perimeter and with finish to match existing.

Floor:

Floor constructed of approx. 40mm thick sand/cement screed on 100mm thick grade Gen3 concrete slab with 25mm thick expanded polystyrene insulation to perimeter on 100mm thick SD grade expanded polystyrene insulation on 1200 gauge polythene DPM lapped over wall DPC on min. 150mm thick hardcore well consolidated and blinded.

Foundations:

Install min. 600mm wide (450mm wide to internal wall) grade Gen3 concrete trenchfill foundations min. 750mm deep (1.000 in shrinkable soil). Depth of foundations to be agreed on site with LA building inspector.

**DETERMINED
PLAN**

Planning & Development
- 2 JUN 2006
Ref: 0776/06

PROPOSED EXTENSION TO
EXISTING BUNGALOW,
127 BROADGATE, WHAPLODE DROVE.
MR & MRS P AGGETT

**BROADGATE
BUILDERS LTD**

The Race Ground
Spalding
Lincolnshire
Scales 1:50 / 1:100
May 2006