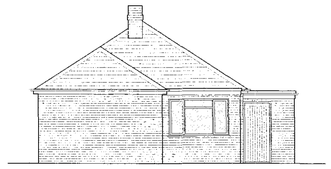
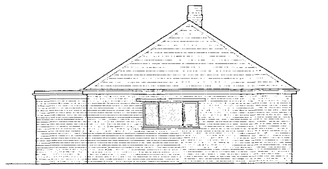


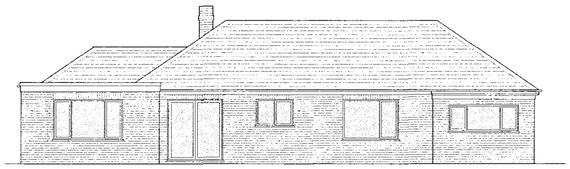
Existing Rear Elevation



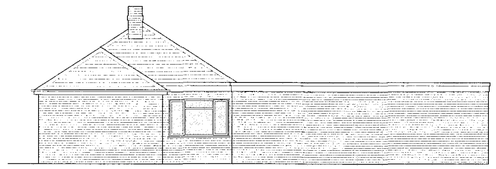
Existing Side Elevation



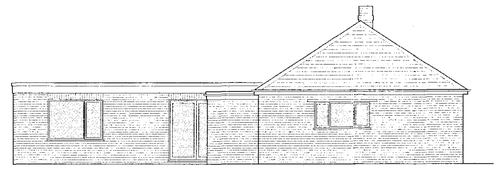
Existing Side Elevation



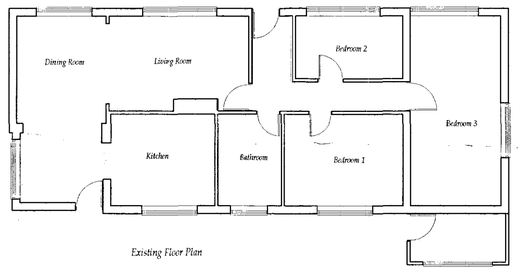
Proposed Rear Elevation



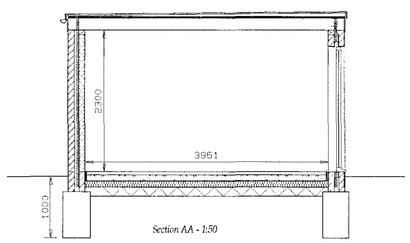
Proposed Side Elevation



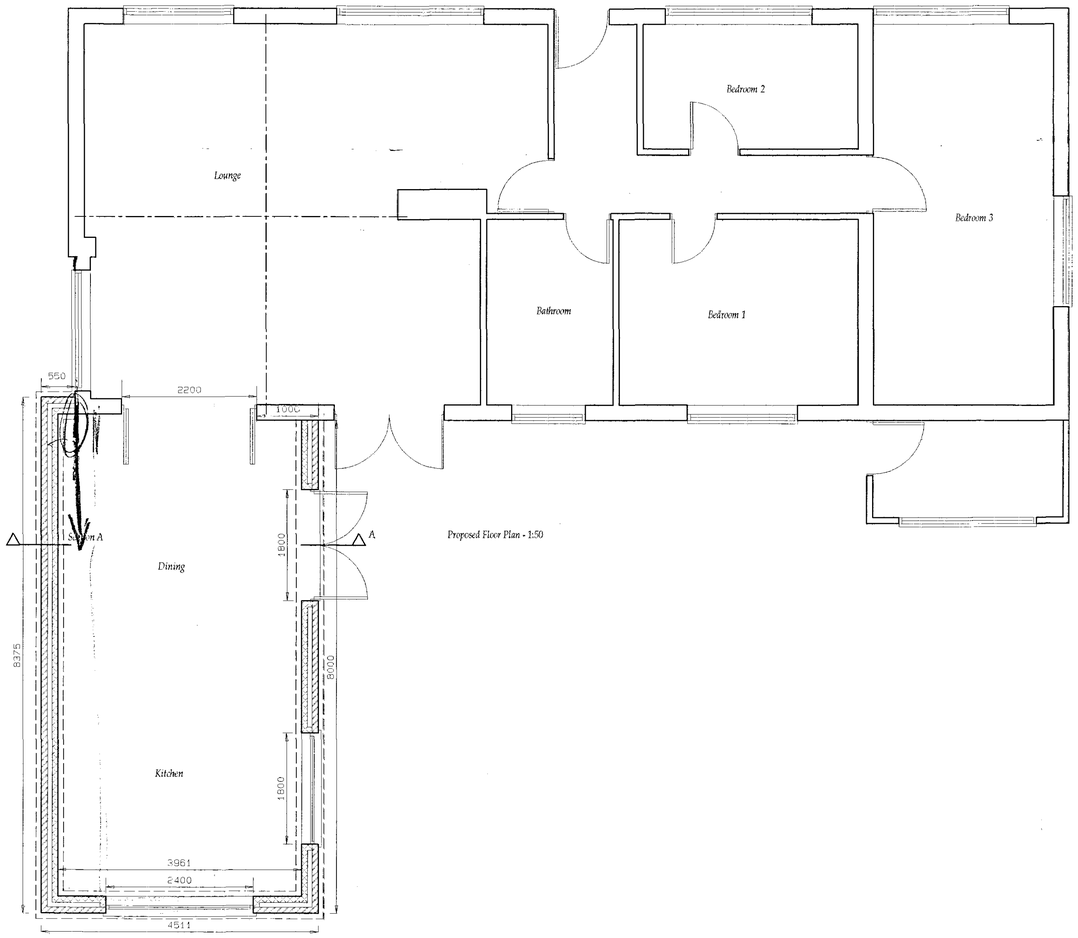
Proposed Side Elevation



Existing Floor Plan



Section AA - 1:50



Proposed Floor Plan - 1:50

CONSTRUCTION NOTES:

EXTERNAL WALL:
External wall to be 100mm min thickness brickwork with 75 mm cavity filled with 50mm Celotex CW3050Z insulation , block work - Celcon Solar block or similar approved - 0.35 W/m2K to be achieved.
13.5mm plasterboard and skim. s.s steel wall ties at 900 c/c horizontally and 450 c/c vertically, 225 c/c at openings.
7N/mm2 block work below DPC.
Block work and insulation to provide a U value of 0.35W/m2K.
Cavity reveals to be insulated with thermabate.
GROUND FLOOR CONSTRUCTION:
Concrete slab to be 100mm thick with 50mm sand/cement screed
100mm semi rigid floor insulation with returned by 30mm at edges. e.g Celotex double-R GA2000
1200 gauge DPM over sand blinded compacted hardcore of 150mm min thickness - to be confirmed e.g 0.25W/m2K required.
Radon protection provided by continuance of DPM to DPC and with cavity tray at junction.
In the absence of a geological report a radon sump will be required.

WINDOWS:
Windows to be double glazed. style to match existing with 16mm air gap between pains, Glass to BS 6206 1981. Low E En=0.05.
At lease one window in each habitable room and shall have an opening large enough for means of escape, i.e. 850X500W 600-1100mm from floor level.

FOUNDATIONS:
Deep Strip footing type foundation to be 750X450mm and taken down 1M below ground level. - Form a Radon barrier including a cavity tray.
Cavity construction to DPC to be brickwork with weak concrete mix 1:1:6 to be finished at ground level.

DPC:
2000 Gauge to be used 150mm min above ground level.
All vertical and horizontal cavity closures are to incorporate 2000 gauge DPC to BS 6515.
Form a Radon Barrier e.g. with cavity tray linked to dpc.

VENTILATION:
All habitable rooms to have window opening of at least one twentieth of the rooms floor area.
Windows to be fitted with trickle vents 8000mm2 for habitable rooms.

ROOF CONSTRUCTION:
FLAT ROOF:
Joists to be 195X50@600c/c SC4
Warm Roof Construction
Insulation of roof to be:
Tri-Iso Super 9 25mm Laid on top of joists
Ventilation: create at least 20mm clear gap above insulation continous and vent at eaves.
Mineral chippings 3 layer felt, 20mm external grade water proof chipboard.
Wall fixings to be plated screws in plastic plugs and fixings to be in brickwork not bed joints.

DOORS:
All ground floor internal doors should have an opening of at least 750mm.
Glazing to any doors or side panelsto be laminated or toughned to BS 6206 1981.

STORM:
Create new soak ways as required at least 5M away from any building.
Soak ways to be 1M3

Code 4 Lead flashings to all abutments.
and to extend at least 150mm above

SUPERSEDED

Proposed Single Storey Rear Extension For Mr Russon at:

Liondale
Millgate Road
Whaplode St Catherines
Spalding PE12 6SF

241106

Date: *12/02/2006*	*Scale:* *1:100/1:50*
Drawing No: *0606/01*	*Drawn By:* *Thomas Reeve* *Architectural Technician*