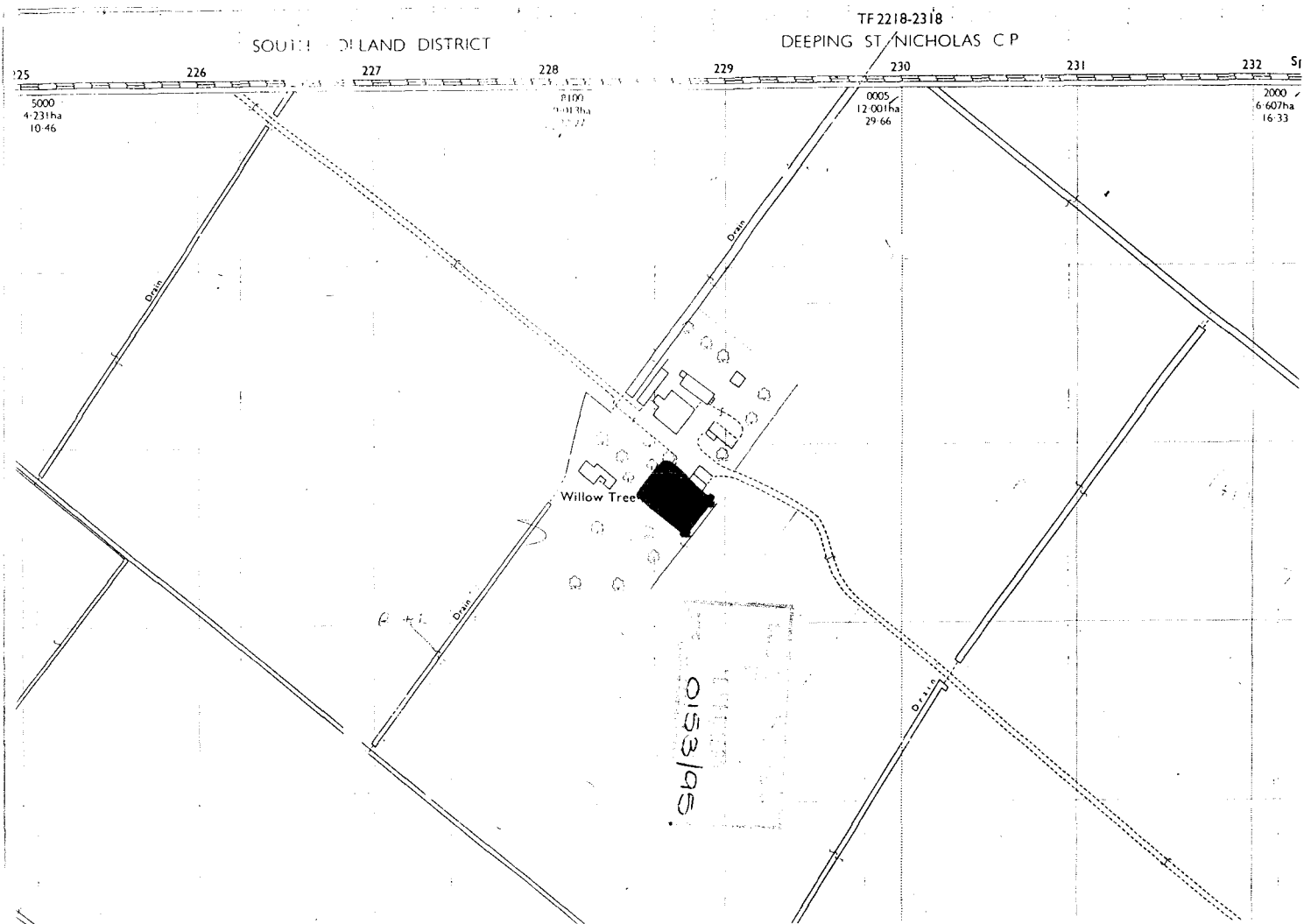
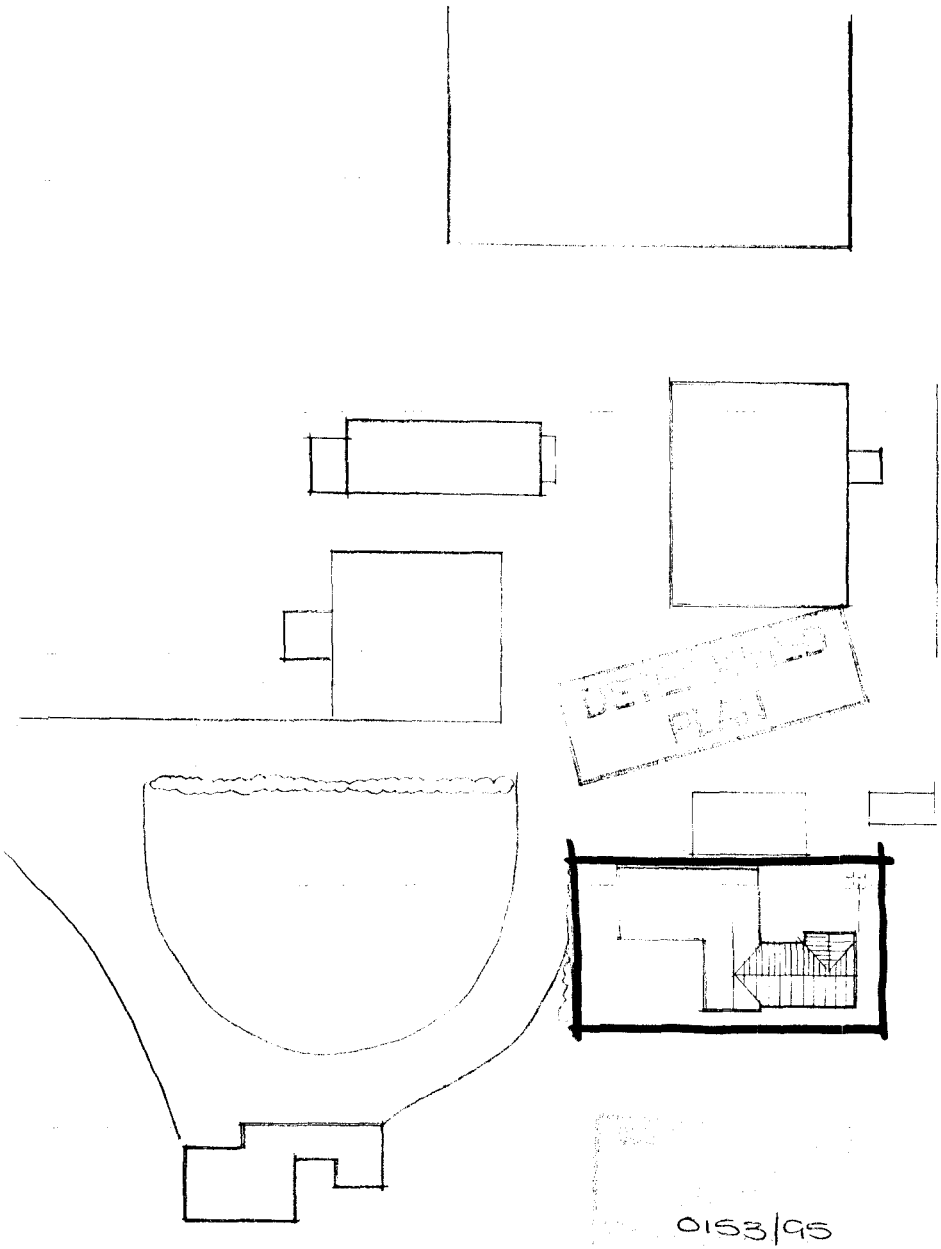
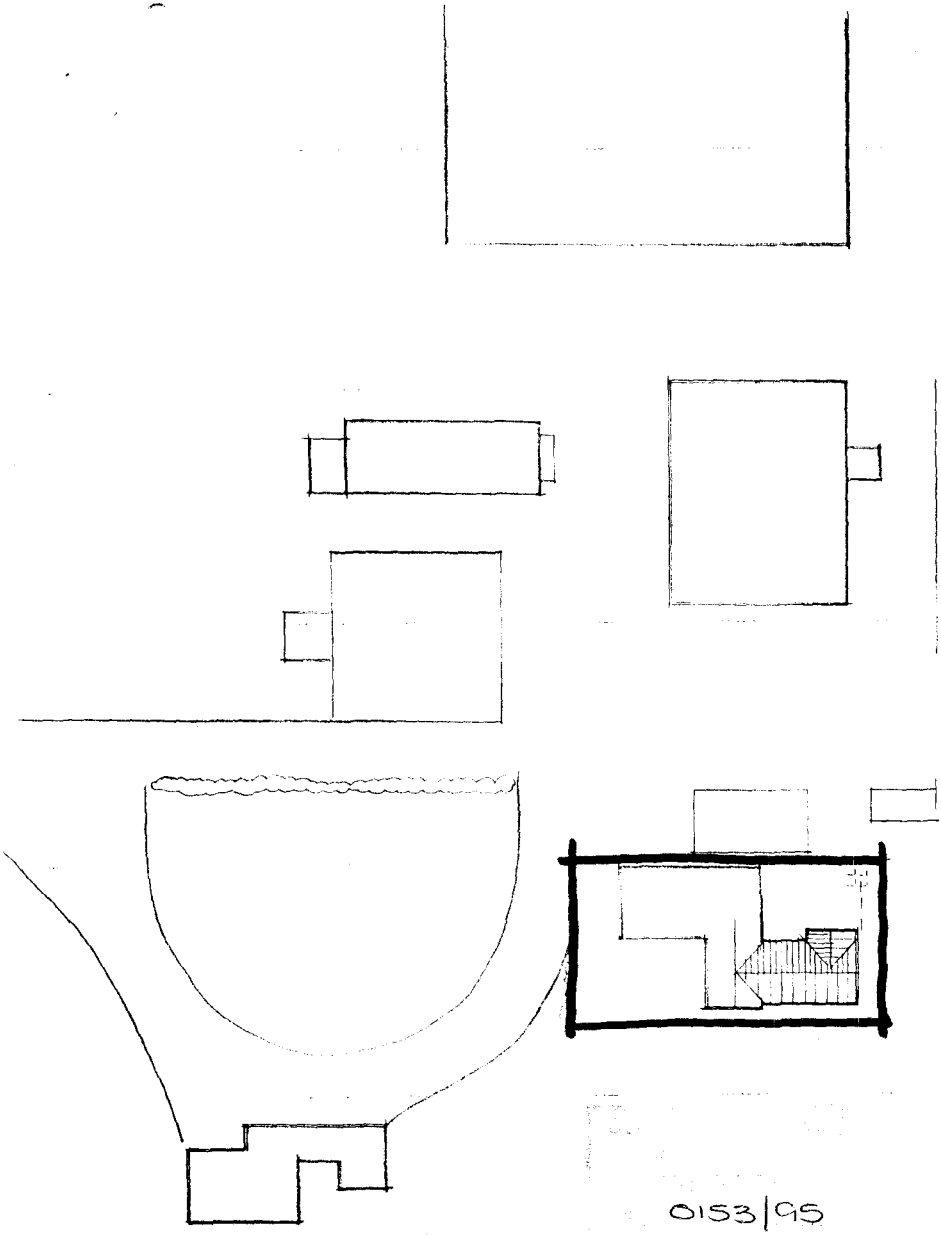

TF 2218-2318
SOUTH KESTEVEN DISTRICT
DEEPING ST NICHOLAS C P
225
226
227
228
229
230
231
232
5000
4·231ha
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Willow Tree
0153/95



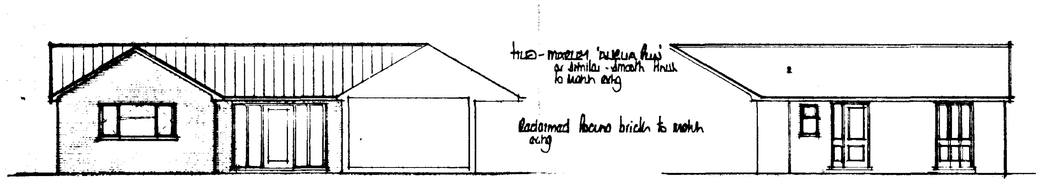
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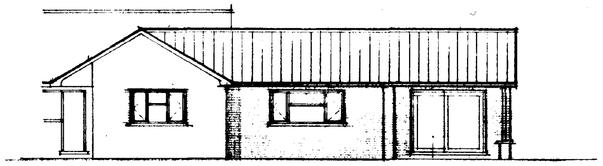


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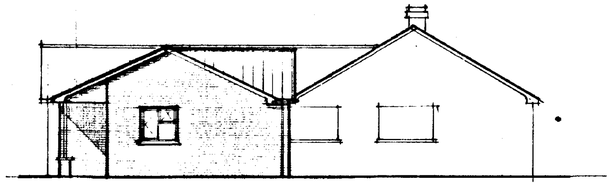
block plan 1:500



n. east



n. west



s. west

s. east

EXCAVATIONS

Foundations to be ST4 grade concrete

For 265mm walls foundations to be 700 x 230mm
For 100mm " " " 450 x 230mm

Foundations to be taken down to a firm load-bearing strata, min 1.0m if in shrinkable sub-soil, in accord with the requirements of the Local Authority Building Control Dept. Site soil surveys are recommended in respect of foundations to establish specific site conditions before foundation work is undertaken.

SLAB CONSTRUCTION

Ground
65mm sand/cement screed reinf with chicken wire mesh
300g polythene separating membrane
50mm flooring grade polystyrene insulation
100mm ST4 grade oversite concrete
1200g polythene damp proof membrane
25mm sand blinding
100mm min. compacted hardcore - if in excess of 100mm fill, to a max 600mm, the hardcore is to be laid and compacted in layers not exceeding 150mm
Strip off all vegetable soil beneath proposal

WALL CONSTRUCTION

Below Ground
To be 100mm Class B concrete blocks
Cavity to be filled to 225mm below lowest dpc level with lean mix concrete.

Above ground
To be 265mm o/a constructed as follows :-
100mm facing brick (to be FL quality below dpc level)
65mm mineral wool insulation i.e. Dritherm or similar
100mm load-bearing insulation blocks i.e. Hemelite

All to be tied together using stainless steel wall ties positioned at distances not exceeding 900mm horizontally, 450mm vertically and staggered. To be at every block course vertically at all returns and reveals.

Internal finish to be 12mm render with gypsum plaster skim finish to give a max 'U' value of 0.45W/m degree C.

External Walls
To be either 100mm blockwork constructed off a dpc or 100mm facing bricks constructed off a dpc off the floor slab.

Dry Lining to extg solid (one brick) walls.
extg wall
Building paper vapour barrier secured to 50 x 50 tanal battens at 400 cts
50mm Dritherm insulation between battens
Breather paper
12.7mm plasterboard and skim

DPC in Walls
To be a min. 150mm above finished ground level.
An insulating vertical dpc i.e. Dencor is to be provided to all cavity closures

LINTELS

Lintels to all walls to be IG, or similar and equivalent, to have a min end bearing of 150mm and be installed in strict accordance with manufacturers instructions with a dpc cavity tray over where applicable.

Lintels over internal openings to be IG IMPERIAL 100 lintels (or similar) unless specified otherwise.

Lintels to be protected with 13mm gypsum plaster skim finish to achieve a min. half hour fire protection.

SMOKE DETECTION

Self contained smoke alarms complying with BS5446 : Pt1 : 1990 are to be installed where indicated SD on the drawing.

The alarms are to be permanently wired to a separately fused circuit at the distribution board operating at a low voltage via a mains transformer.

The wiring installation is to comply with the IEE Regulations.

ELECTRICAL INSTALLATION

The Electrical Contractor is to ensure that the electrical installation is in full compliance with the latest edition of the I.E.E Regulations.

Any electrical fitting indicated on the drawing in a position contravening these regulations is to be relocated in order to achieve full compliance.

CHIMNEY/HEARTH CONSTRUCTION

The chimney is to be constructed incorporating clay flue liners to BS1181 : 1989. Liners to be a min 200mm internal diameter and laid socket uppermost. Weak mix concrete is to be used to fill the voids between the masonry brickwork of the chimney and the flue liner.

Chimney to terminate as indicated on elevation, min. 600mm above ridge height, and to be flashed to the roof using Code 4 lead flashing, stepped as applicable, dressed up the chimney a min 150mm.

DRAINAGE

Surface
Excavate for and lay in where indicated 100mm diam. flexible jointed UPVC drains on 100mm pea gravel bed from 200mm diam. upturned bend at base of downpipe to surface water soakaway.

Form soakaway where indicated a min 5.0m from the nearest building. Excavate 1200 x 1200 x 1200mm deep, backfill with brick rubble to 300mm below ground level, lay in sheet polythene and make up with vegetable soil.

Foul
Supply and install proprietary UPVC inspection chambers on 100mm pea gravel bed in strict accordance with manufacturers instructions.

Excavate for and lay in where indicated 100mm dia. flexible jointed UPVC drains on 100m pea gravel bed at a gradient of 1:70

Install where indicated a 100mm dia. soil and vent pipe jointed to 100mm dia. upturned bend at base. Finish at top, a min. 900mm above window head height with a pvc cage.

Install 32mm dia. pvc waste to hand basin with 75mm deep trap

All above pipes to have rodding access at each change of direction and be readily accessible throughout their lengths.

Install where indicated a proprietary septic tank, having a minimum capacity of 3600 litres, in full accordance with the manufacturers instructions and specifications. The tank is to be provided with land drains, the length of which is to be determined by a percolation test, laid on 40mm washed gravel. The tank is to be sited a min. 12.0 from the nearest dwelling and preferably within 30.0m from a point from which the tank emptying vehicle can reach.

Above ground drainage to comply with BS5272 : 1978
Below " " " " BS8301 : 1985
All drainage items are to be installed in strict accordance with manufacturers instructions.

WINDOWS & DOORS

Windows and doors to be purpose made UPVC (brown) double glazed with sealed units and weather stripped.

Windows to incorporate a controllable trickle vent of 4000sq mm.

Glazing to windows less than 800mm and doors less than 1500mm above floor level is to be laminated or toughened glass in accord with BS6206 :1981

WINDOW & LINTEL SCHEDULE

Location	Window/door size	Lintel ref & length	
1	2935 x 2100	Li/ID	3300
2	2400 x 1200	Li/S	2700
3	1200 x 1200	Li/S	1500
4	2400 x 2100	Li/S	2700
5	2400 x 1200	Li/S	2700
6	1800 x 1200	2Nr 200	2100
7	to fit extg opening		
8	to fit extg opening		
9	400 x 1650	Nr 200	750

HOT WATER SYSTEM

A floor standing oil fired central heating boiler is to be installed where indicated complete with vitreous enamelled flue connecting it to the chimney. The surface temperature of the floor beneath the appliance is unlikely to exceed 100°C (the extg floor is, therefore, adequate as the hearth to the boiler). The chimney is to incorporate a gas tight inspection cover below the flue connection and is to contain a condensate collecting vessel.

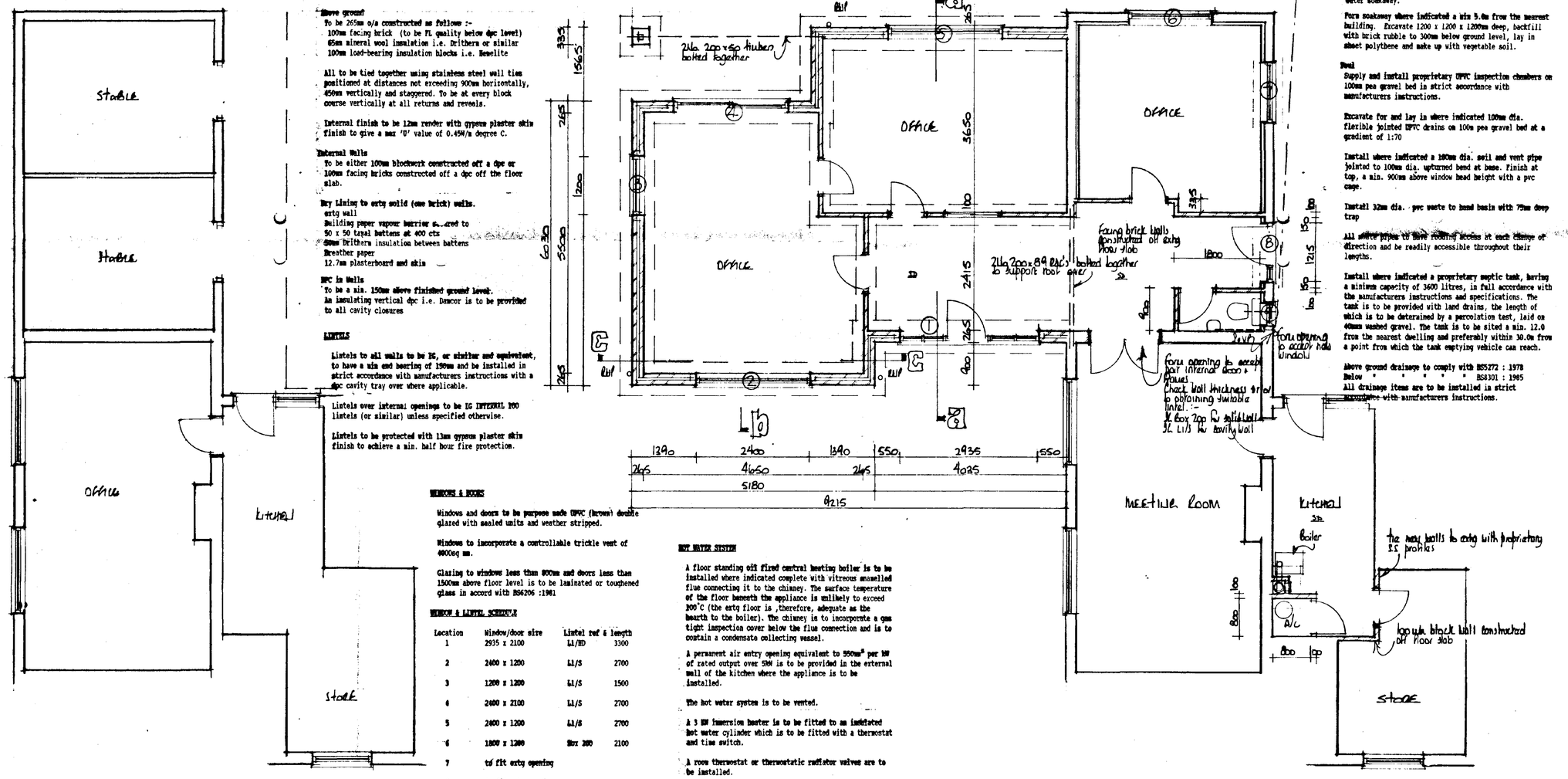
A permanent air entry opening equivalent to 550mm² per kW of rated output over 5kW is to be provided in the external wall of the kitchen where the appliance is to be installed.

The hot water system is to be vented.

A 3 kW immersion heater is to be fitted to an insulated hot water cylinder which is to be fitted with a thermostat and time switch.

A room thermostat or thermostatic radiator valves are to be installed.

All pipes not contributing to useful heat requirements are to be insulated



existing

proposed

SOUTH HOLLAND D.C.
PLAN DEPT.
16 FEB 1995
--- 0153/95

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	Date	Revisions

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Client
Mr W.D. Blanstall

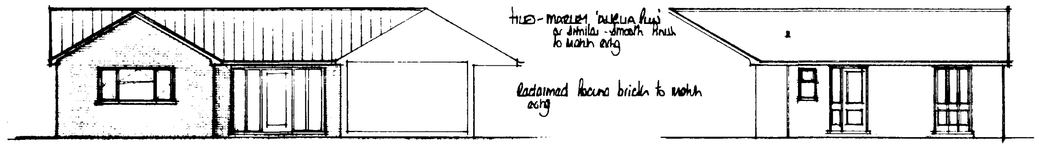
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Extension & Alterations to agricultural office at Willow Tree Farm Weeville St Nicholas

Drawing Title
Plans . Elevations

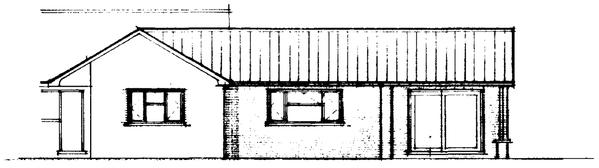
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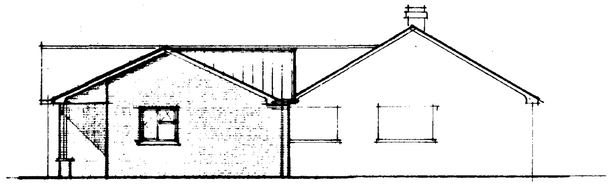
Drg No 95/07/02. | Rev



n. east



n. west



s. west

s. east

FOUNDATIONS

Foundations to be ST4 grade concrete

For 265mm walls foundations to be 700 x 230mm
For 100mm " " " 450 x 230mm

Foundations to be taken down to a firm load-bearing strata, min 1.0m if in shrinkable sub-soil, in accord with the requirements of the Local Authority Building Control Dept. Site soil surveys are recommended in respect of foundations to establish specific site conditions before foundation work is undertaken.

FLOOR CONSTRUCTION

Ground
65mm sand/cement screed reinf with chicken wire mesh
500g polythene separating membrane
50mm flooring grade polystyrene insulation
100mm ST4 grade oversite concrete
1200g polythene damp proof membrane
25mm sand blinding
100mm min. compacted hardcore - if in excess of 100mm fill, to a max 600mm, the hardcore is to be laid and compacted in layers not exceeding 150mm
Strip off all vegetable soil beneath proposal

WALL CONSTRUCTION

Below Ground
To be 100mm Class A concrete blocks
Cavity to be filled to 225mm below lowest dpc level with lean mix concrete.

Above ground
To be 265mm o/a constructed as follows :-
100mm facing brick (to be FL quality below dpc level)
65mm mineral wool insulation i.e. Dritherm or similar
100mm load-bearing insulation blocks i.e. Hemelite

All to be tied together using stainless steel wall ties positioned at distances not exceeding 900mm horizontally, 450mm vertically and staggered. To be at every block course vertically at all returns and reveals.

Internal finish to be 12mm render with gypsum plaster skim finish to give a max 'U' value of 0.45W/m degree C.

Internal Walls
To be either 100mm blockwork constructed off a dpc or 100mm facing bricks constructed off a dpc off the floor slab.

Dry Lining to extg solid (one brick) walls.
extg wall
Building paper vapour barrier secured to
50 x 50 tanal battens at 400 cts
50mm Dritherm insulation between battens
Breather paper
12.7mm plasterboard and skim

DPC in Walls
To be a min. 150mm above finished ground level.
An insulating vertical dpc i.e. Dumcor is to be provided to all cavity closures

LINTELS

Lintels to all walls to be IG, or similar and equivalent, to have a min end bearing of 150mm and be installed in strict accordance with manufacturers instructions with a dpc cavity tray over where applicable.

Lintels over internal openings to be IG INTERNAL 100 Lintels (or similar) unless specified otherwise.

Lintels to be protected with 13mm gypsum plaster skin finish to achieve a min. half hour fire protection.

FIRE DETECTION

Self contained smoke alarms complying with BS5446 : Pt1 : 1990 are to be installed where indicated SD on the drawing.

The alarms are to be permanently wired to a separately fixed circuit at the distribution board operating at a low voltage via a mains transformer.

The wiring installation is to comply with the IEE Regulations.

ELECTRICAL INSTALLATION

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Chimney to terminate as indicated on elevation, min. 600mm above ridge height, and to be flashed to the roof using Code 4 lead flashing, stepped as applicable, dressed up the chimney a min 150mm.

DRAINAGE

Surface
Excavate for and lay in where indicated 100mm diam. flexible jointed UPVC drains on 100mm pea gravel bed from 100mm diam. upturned bend at base of downpipe to surface water soakaway.

Form soakaway where indicated a min 5.0m from the nearest building. Excavate 1200 x 1200 x 1200mm deep, backfill with brick rubble to 300mm below ground level, lay in sheet polythene and make up with vegetable soil.

Foul
Supply and install proprietary UPVC inspection chambers on 100mm pea gravel bed in strict accordance with manufacturers instructions.

Excavate for and lay in where indicated 100mm dia. flexible jointed UPVC drains on 100m pea gravel bed at a gradient of 1:70

Install where indicated a 100mm dia. soil and vent pipe jointed to 100mm dia. upturned bend at base. Finish at top, a min. 900mm above window head height with a pvc cowl.

Install 32mm dia. pvc waste to hand basin with 75mm deep trap

All waste pipes to have rodding access at each change of direction and be readily accessible throughout their lengths.

Install where indicated a proprietary septic tank, having a minimum capacity of 3600 litres, in full accordance with the manufacturers instructions and specifications. The tank is to be provided with land drains, the length of which is to be determined by a percolation test, laid on 40mm washed gravel. The tank is to be sited a min. 12.0 from the nearest dwelling and preferably within 30.0m from a point from which the tank emptying vehicle can reach.

Above ground drainage to comply with BS5272 : 1978
Below " " " " BS8301 : 1985
All drainage items are to be installed in strict accordance with manufacturers instructions.

WINDOWS & DOORS

Windows and doors to be purpose made UPVC (brown) double glazed with sealed units and weather stripped.

Windows to incorporate a controllable trickle vent of 4000sq mm.

Glazing to windows less than 800mm and doors less than 1500mm above floor level is to be laminated or toughened glass in accord with BS6206 :1981

WINDOW & LINTEL SCHEDULE

Location	Window/door size	Lintel ref & length	
1	2935 x 2100	L1/HD	3300
2	2400 x 1200	L1/S	2700
3	1200 x 1200	L1/S	1500
4	2400 x 2100	L1/S	2700
5	2400 x 1200	L1/S	2700
6	1800 x 1200	Box 200	2100
7	to fit extg opening		
8	to fit extg opening		
9	488 x 1650	Box 200	750

HOT WATER SYSTEM

A floor standing oil fired central heating boiler is to be installed where indicated complete with vitreous enamelled flue connecting it to the chimney. The surface temperature of the floor beneath the appliance is unlikely to exceed 100°C (the extg floor is ,therefore, adequate as the hearth to the boiler). The chimney is to incorporate a gas tight inspection cover below the flue connection and is to contain a condensate collecting vessel.

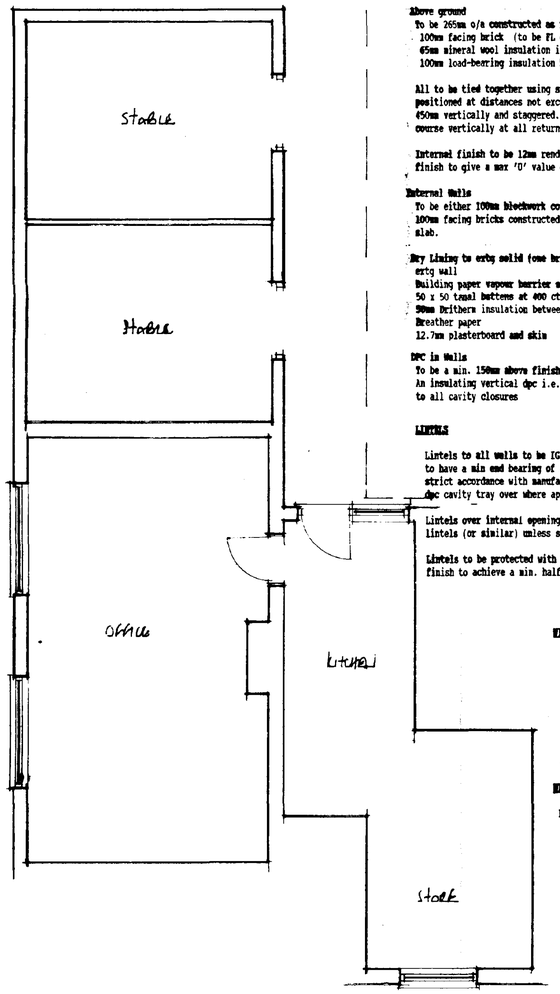
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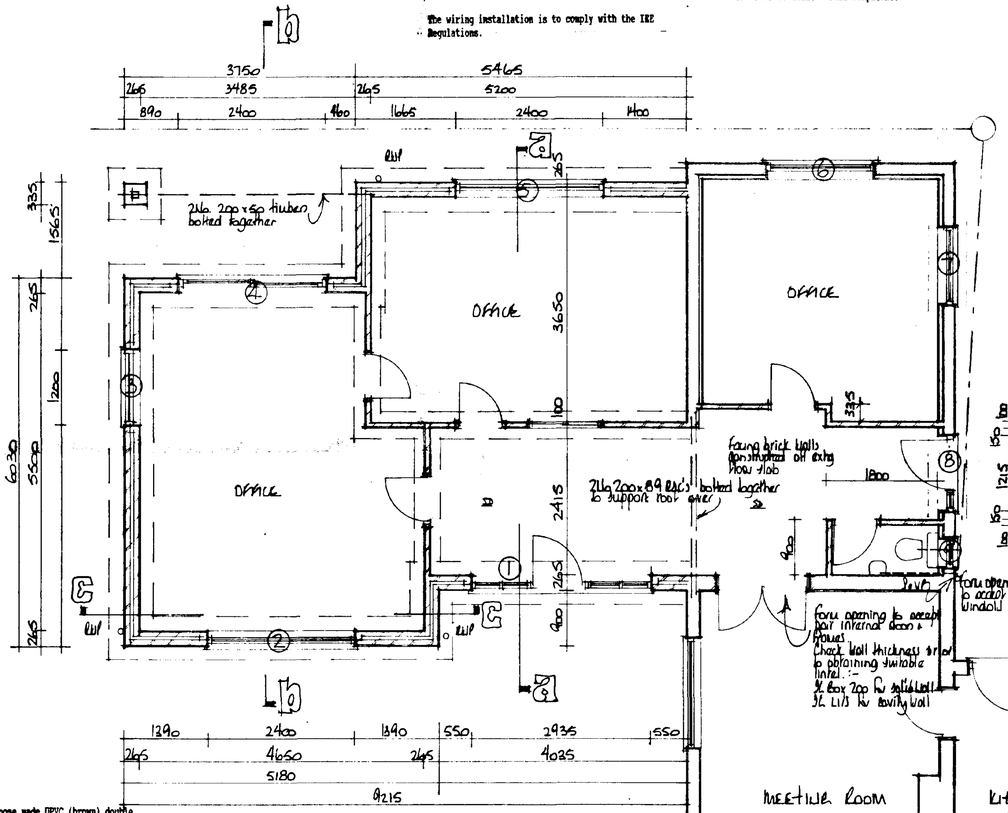
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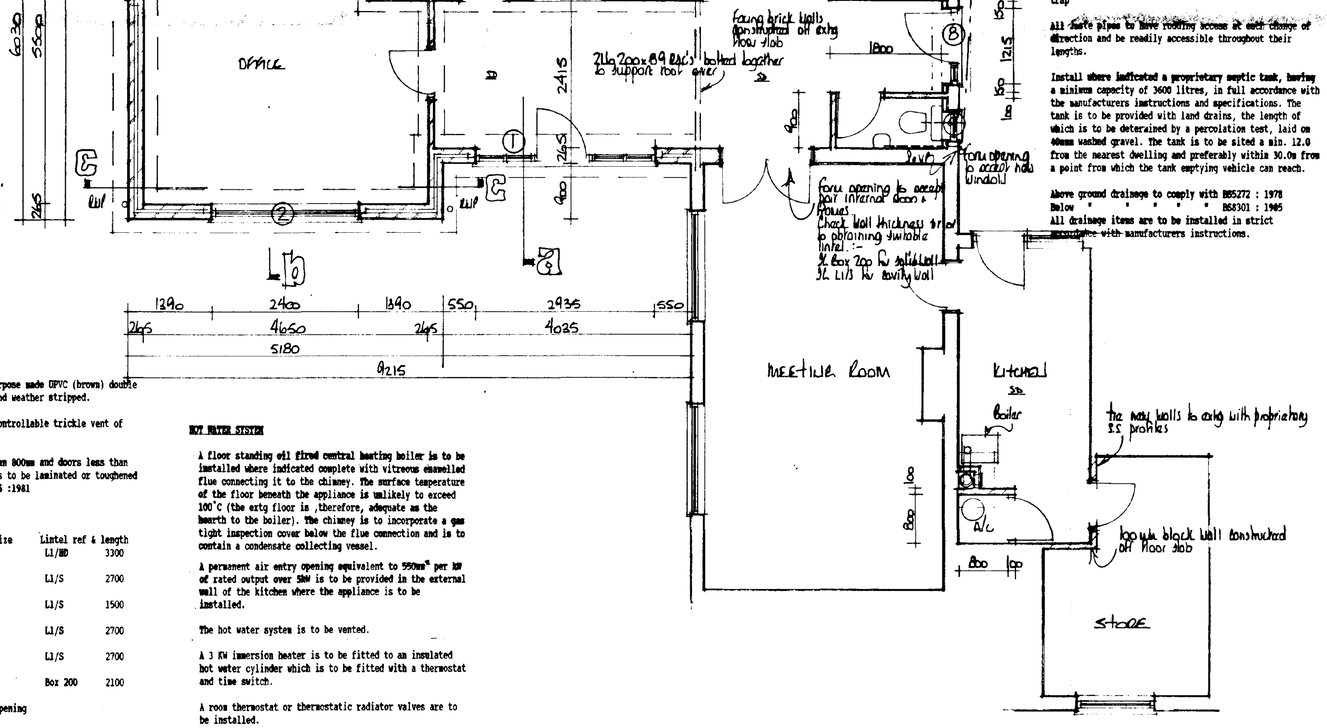
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All pipes not contributing to useful heat requirements are to be insulated







existing

proposed

SOUTH HOLLAND D.C.
PLANNING DEPT.
16 FEB 1995
REF. 0153/95

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	Date	Revisions

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Client
Mr W.D. Blanton

Job Title
Extension & Alterations to Agricultural Office At Willow Tree Farm Deeping St Nicholas

DETERMINED

Drawing Title
Plans . Elevations

Scale 1:50 . 1:100

Date FEB 95 | Drawn by AL

Drg No 95/07/02. | Rev