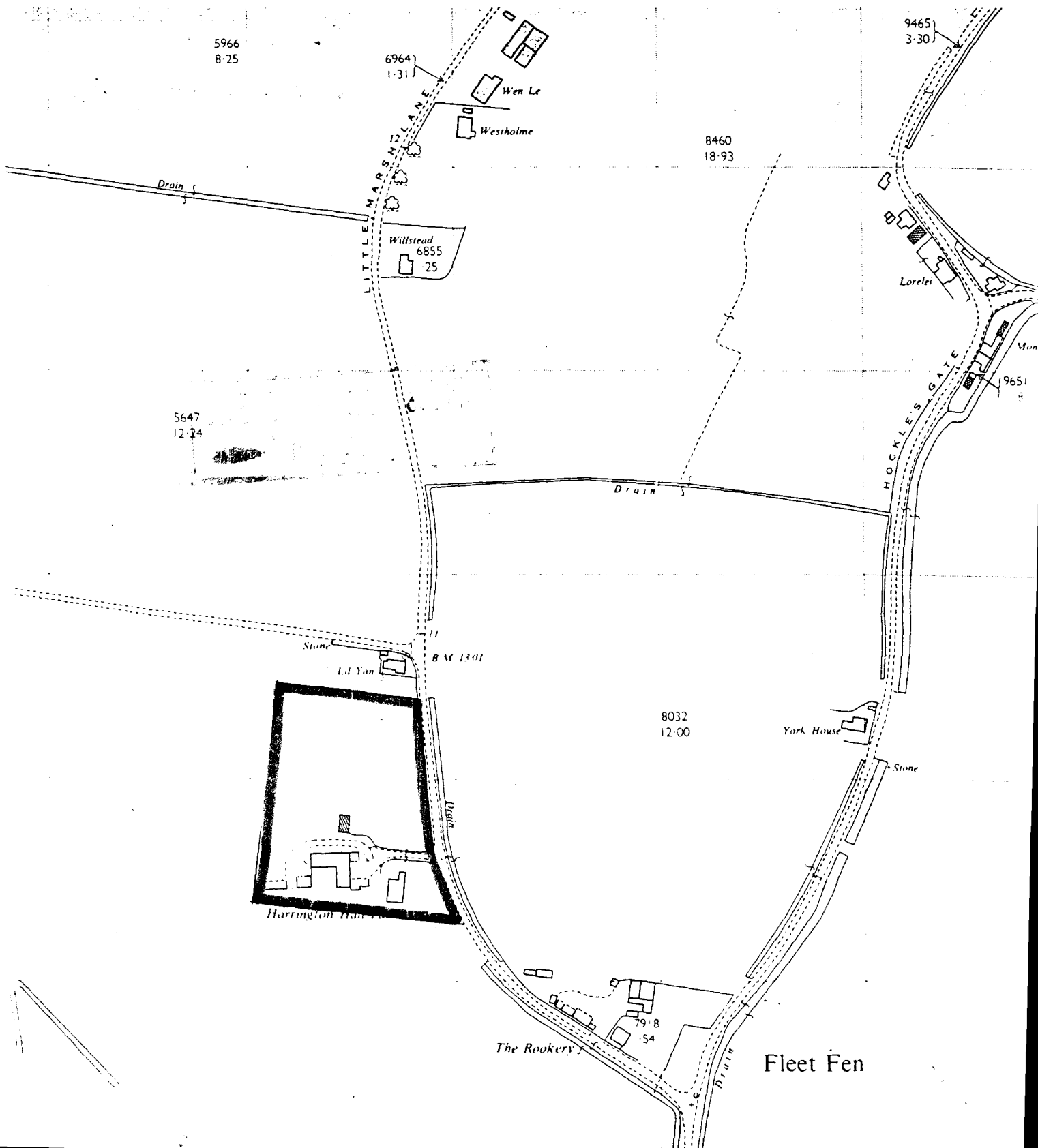


L. A. BUILDING DESIGN

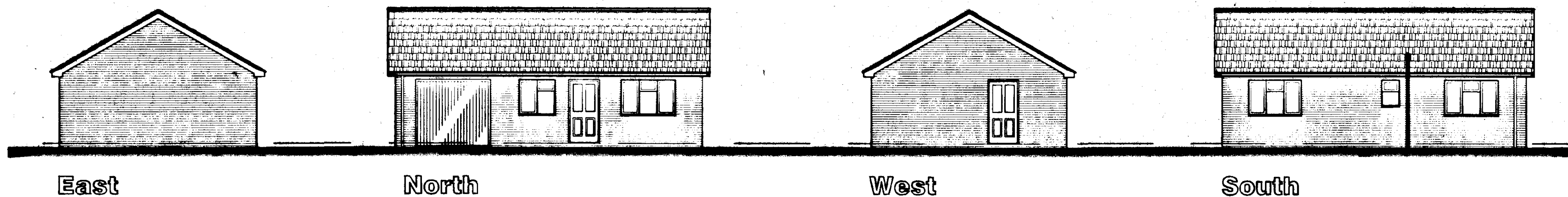
Architectural Practice
55 Hannam Boulevard
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REPRODUCED FROM THE ORDNANCE SURVEY 1: 2500 SCALE MAP
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E L E V A T I O N S



WALLING

SUBSTRUCTURE: Build up from foundations in single or two leaves (with 75mm cavity) of 100mm dense aggregate concrete blockwork in cement mortar 1:3. Tie leaves together using stainless steel wall ties at 750mm centres horizontally and 450mm centres vertically staggered 375mm. Fill cavity between blockwork leaves with ST1 lens mix concrete up to 225mm below lowest dpc level.

SUPERSTRUCTURE: Walling above ground to be 103mm facing brickwork with 75mm cavity filled with 75mm DRITHERM insulation and 100mm HEMELITE medium density blocks. Wall ties to be in stainless steel as described. Use additional ties at cavity closures at 225mm vertical centres and within 150mm of face of reveal. Brickwork below dpc to be in FL Durability Designation bricks. All work to be in accordance with BS5628.

DAMP PROOF COURSES

Provide and build in as work proceeds all horizontal and vertical dpc as required. ZEDCOR material to be used as horizontal dpc and cavity trays in appropriate widths and lap by 100mm min. DAMCOR insulated dpc material to be used at all closures in cavity walling. Dpm in floor slab to be lapped continuously with the inner leaf wall dpc and internal single leaf wall dpc as appropriate.

LINTELS

Use IG lintels throughout and include cavity trays over where not protected by eaves overhang. Lintels generally to be LI/HO type in cavity wall situations and 75 box lintel to inner partition walls. Allow for a minimum 150mm and bearing to both ends of lintels.

PLASTERING

Apply 10mm cement/lime/sand render to all new internal walls including soffits and reveals, except garage, and skim to finish with 3mm min coat of wall finish gypsum plaster. Apply render to lintel soffits in garage. Allow for all stainless steel plaster angles and beads etc.

WOOD TRIMS

Provide and fix in wrot moulded softwood 100mm x 20mm skirtings, 75mm x 20mm architraves, 22mm thickness window boards, cover beads and curtain battens as appropriate.

MECHANICAL AND ELECTRICAL INSTALLATION
Provide and install lighting and power circuits and E7 heating twin tariff metering equipment. Install TSR (thermal storage radiators) with temperature and input charge controls etc. Install single point overvoltage electric instantaneous water heaters for hot water and include for all plumbing in and water connections and bringing water supply into building (including 50mm dia polythene tube duct for incoming service below building and sealing both ends. All electrical works to comply with the IEE Regulations 18th edition.

EXTRACTOR FAN

Provide and install within internal toilet accommodation a ceiling mounted extractor fan with ducting to the outside air to discharge through the soffit in a position not directly over any window openings. The fan is to be a VENT-AXIA MINIVENT axial flow fan with a capacity of 110 cu m/hr (30 l/s) and to be on a pull cord operated switch that also activates the light and with a 15 minute overrun when the light switch is turned off.

SMOKE ALARM

Provide and install ceiling mounted, self contained, interconnected, mains operated, single point smoke detector/alarms complying with BS5446:Part1:1990. The alarms are to be on a separately fused circuit and have an integral secondary power supply.

DRAINAGE ABOVE GROUND

All waste pipework to be in plastics materials and conform with their relevant BS. Waste pipes shall be adequately fixed at appropriate intervals and fall at not less than 20mm in every metre and connect with the discharge stack or over a gully. Pipe sizes shall be:
Sink 40mm dia 75mm deep trap
Basin 32mm dia 75mm deep trap
WC 110mm dia 50mm deep trap

Where appliances are drained in combination the wastes shall be talled up to a 50mm dia common discharge pipe size.

BELOW GROUND DRAINAGE

Underground drains to be in 110mm diameter PVC-U pipe laid to fall at a gradient of 1:70 bed and surround with pea gravel, 110mm dia SVP taken up 800mm above window head level and complete with vent terminal cage. Gully to be roddable type with pull out stopper.

SEPTIC TANK INSTALLATION

Provide and install new 2700 litre KLARGESTER septic tank in accordance with the manufacturer's instructions. Provide and lay a minimum 50 metres 110mm dia perforated pipe soakaway network with bed and surround of 50mm nominal single sized washed beach shingle in a trench minimum 750mm wide. Cover shingle with TERRAM 500 geotextile membrane to prevent soil intermixing with filtration media.

FASCIA AND SOFFIT

Fit and fix wrot treated softwood fascias and bargeboard in nominal 25mm thick wood including all framing and support. Fascias and bargeboards to be rebated to accept 6mm soffit board. Fit and fix proprietary 6mm thickness marine plywood soffit complete with ventilation strips with insect proof mesh to give 10,000 sq mm ventilation per metre run.

INTERNAL DOORS

All internal doors to be standard plywood faced solid core doors for painting size 638mm x 1981mm complete with wrot softwood linings nominal 35mm thickness with planted stops. Doors to be complete with all matching lever handle furniture, mortice latch, one and a half pairs of brass finished 100mm steel butt hinges and stops where required. Toilet doors to be fitted with indicator bolts and appropriate signage.

DECORATIVE FINISHES

Allow for preparing all new surfaces, as and where appropriate, and provide and apply paint or stain finishes as required and as appropriate, all in accordance with the coating manufacturer's recommendations and specification.

WINDOWS AND DOORS

Windows and doors to be in PVC-U complete with weatherstripping and security locking. Windows to have trickle vents to give 8,000mm square controllable background ventilation to Offices and Staff Room with 4,000mm square to WC window. Opening casements to windows to give 5% of the floor area of the room they serve as operable for rapid ventilation. Glass to windows and doors to be double glazed sealed unit in Safety Glass to BS6206 where in doors and windows where glass level is below 800mm from floor level. Doors to be suitable as wheelchair access doors in that the clear opening shall be not less than 800mm and the threshold shall be capable of allowing a wheelchair to pass over it easily.

RAINWATER GOODS

Gutters and downpipes to be in black PVC-U with 115mm half round guttering and 68mm downpipes complete with all brackets, clips, connectors, bends, outlets and staples etc and connect to underground drain.

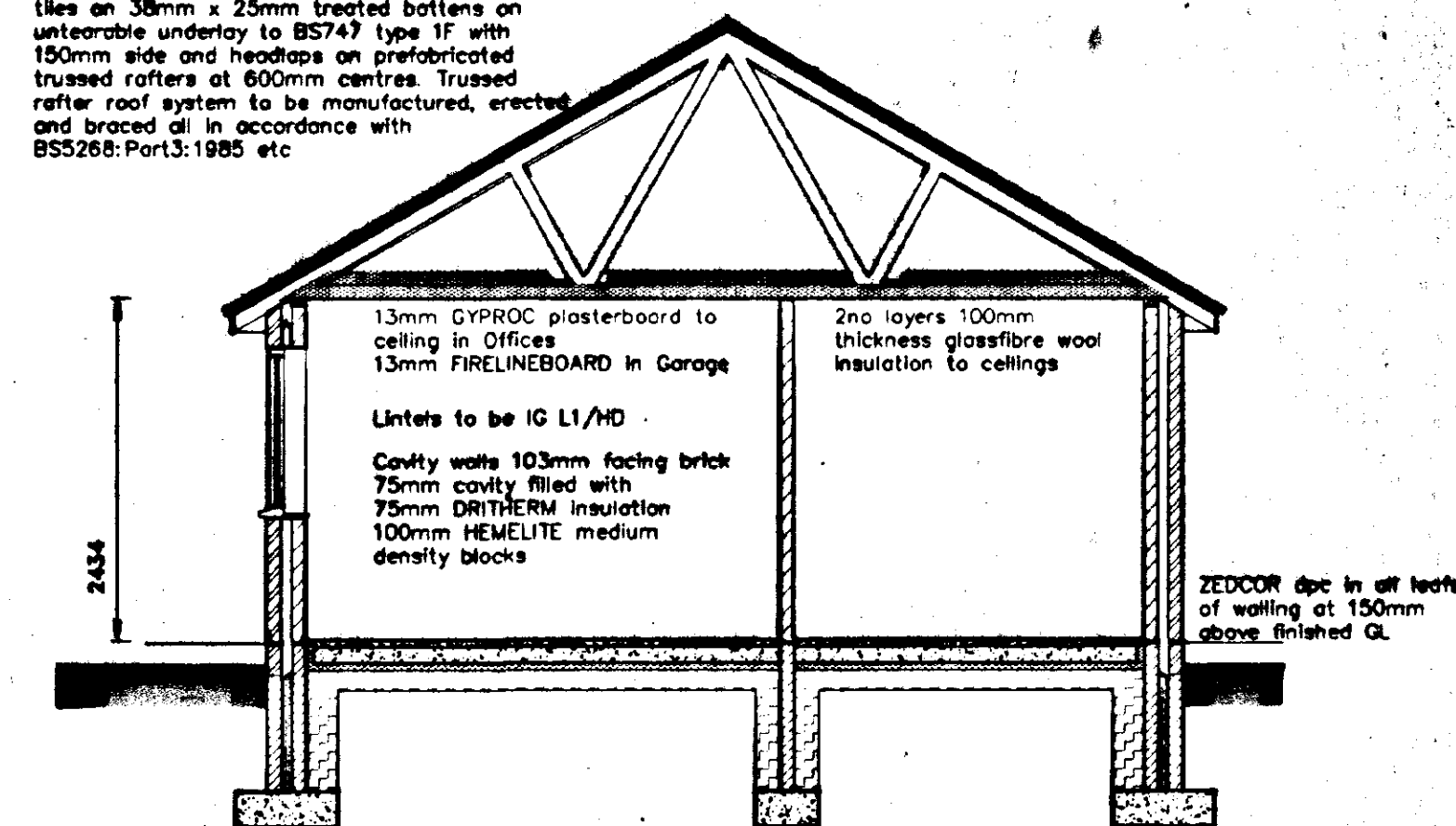
GENERAL

All work shall be in accordance with BS8000 Workmanship on Building Sites and all materials used shall be fit for and appropriate to their purpose. All materials shall comply with the relevant British Standard, European Standard or BBA Certificate and used in accordance therewith.

BUILDING REGULATIONS

All work shown is to comply with the requirements of the Building Regulations in force at the time.

ROOF
Roof to be covered with concrete interlocking tiles on 38mm x 25mm treated battens on unwaterable underlay to BS749 type 1F with 150mm side and headlaps on prefabricated trussed rafters at 600mm centres. Trussed rafter roof system to be manufactured, erected and braced all in accordance with BS5268:Part3:1985 etc.



FOUNDATIONS

Foundations to cavity walling to be 700mm x 250mm in GEN4 concrete and to internal 100mm walling to be 450mm x 250mm and founded at a depth of not less than 700mm on a firm consistent bottom to the approval of the local authority Building Control Surveyor.

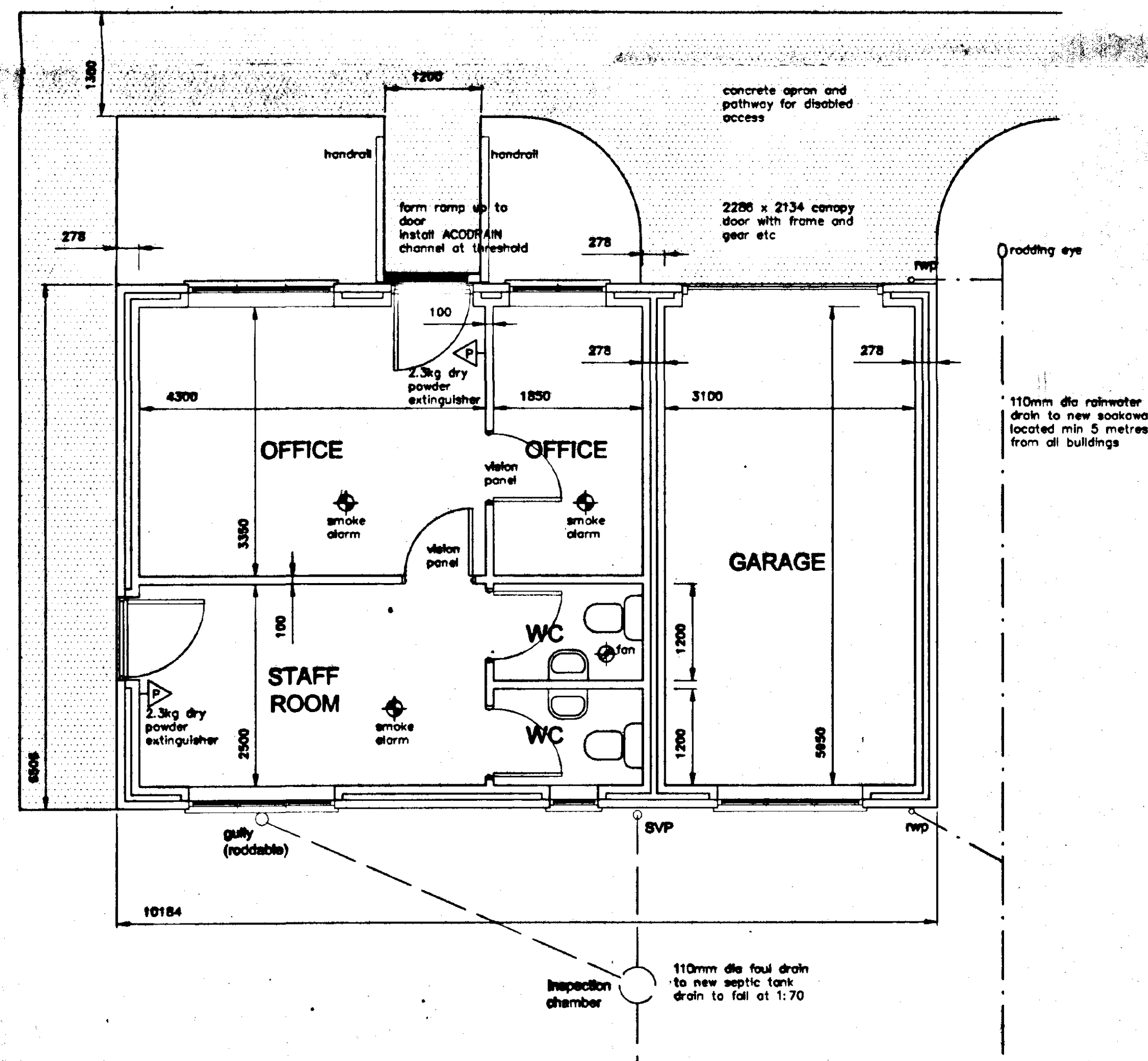
FLOOR CONSTRUCTION

Floor to be 50mm cement/sand screed 1:3 on 110mm concrete GEN4 on 300 micron polythene dpm lapped with dpc in walls on 50mm JABUTE HD flooring quality insulation on sand bladed thoroughly compacted clean stone hardcore graded 75mm down. Omit screed in garage area and increase thickness to 150mm and reduce finished level to 75mm above ground. Where internal partitions are built off the slab reinforcement mesh A232 is to be placed in the slab in strips 800mm wide placed centrally below the walls to be supported.

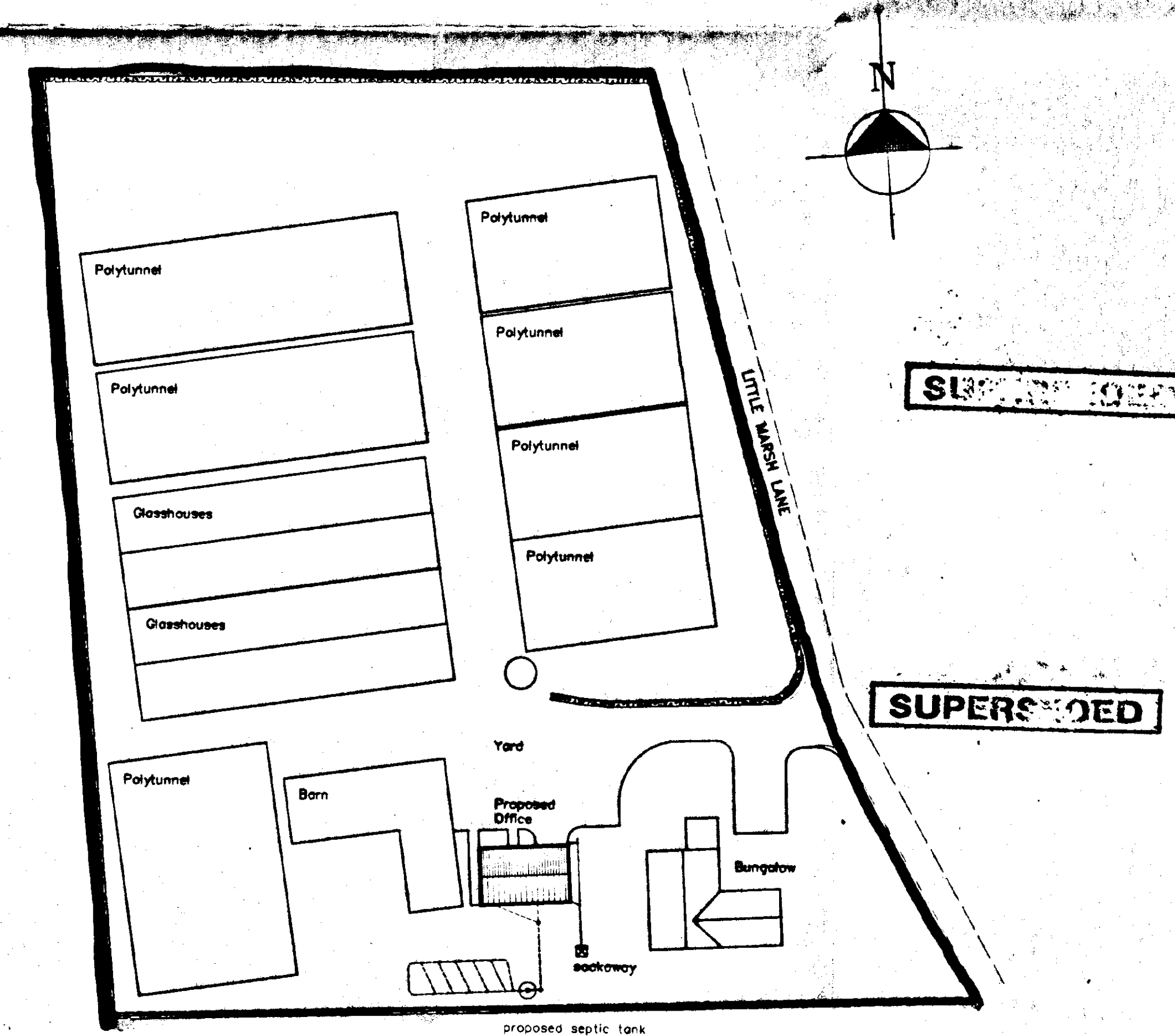
SECTION

CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 1994

The Works shown on this drawing are likely to fall within the scope of the Construction (Design and Management) Regulations 1994 and as such the Client and Contractor have duties under this legislation. The client/employer will need to employ a Planning Supervisor to produce a Pre-Tender Health and Safety Plan and initiate the Health and Safety file for this project.



FLOOR PLAN



BLOCK PLAN

Scale 1:500

SOUTH HOLLAND DC
HOUSING & PLANNING
26 APR 2001
Ref: HOS/0501/01

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Peter S Lithgow MCOB MBAT

Member of the Chartered Institute of Building and
Member of the British Institute of Architectural Technologists

Proposed Office Accommodation
Harrington Hall Farm, Little Marsh Lane,
Fleet, Spalding, Lincolnshire

Harrington Hall Nursery

General Arrangement

Planning Drawing

date: March 2001 scale: 1:50 1:100 1:500

drawn by: Peter Lithgow checked:

job no: 01/08 drawing no: 02

lies on 38mm x 25mm treated battens on
 untreated underlay to BS747 Type 1F with
 150mm side and headlaps on prefabricated
 trussed rafters at 600mm centres with
 compound truss at junction of roof projection
 over disabled persons wc. Trussed rafter roof
 system to be manufactured, erected and fixed
 all in accordance with BS5268-Part3,1995 etc
 Install preformed fibreglass valley drainage on
 layboards at roof valley intersections

13mm GYPBOC plasterboard to
 ceiling in Offices
 13mm FIRELINEBOARD in Garage

2no layers 100mm
 thickness glassfibre wool
 insulation to ceilings

Lintels to be IG L1/HD

Cavity walls 103mm facing brick
 75mm cavity filled with
 75mm DRYTHERM insulation
 100mm HENKELITE medium
 density blocks

2634

FLOOR CONSTRUCTION
Floor to be 50mm cement:sand screed 1:3 on 110mm concrete GEA4 on 300 micron polythene DPM topped with dpc in walls on 50mm UJABITE H40 lapped quality insulation on sand blined thorough compacted clean stone hardcore graded 75mm above ground.
Omit screed in garage area and increase thickness to 150mm and reduce finished level to 75mm above ground.
Where internal partitions are built off the slab reinforcement mesh A252 is to be placed in the slab in strips 900mm wide placed centrally below the walls to be supported.

[illegible]

drawing	
General Arrangement	
Planning Drawing	
date	working
March 2001	1:50 1:100 1:300
drawn by	checked
Peter Lühgöw	
job no	drawing no
01/08	02A