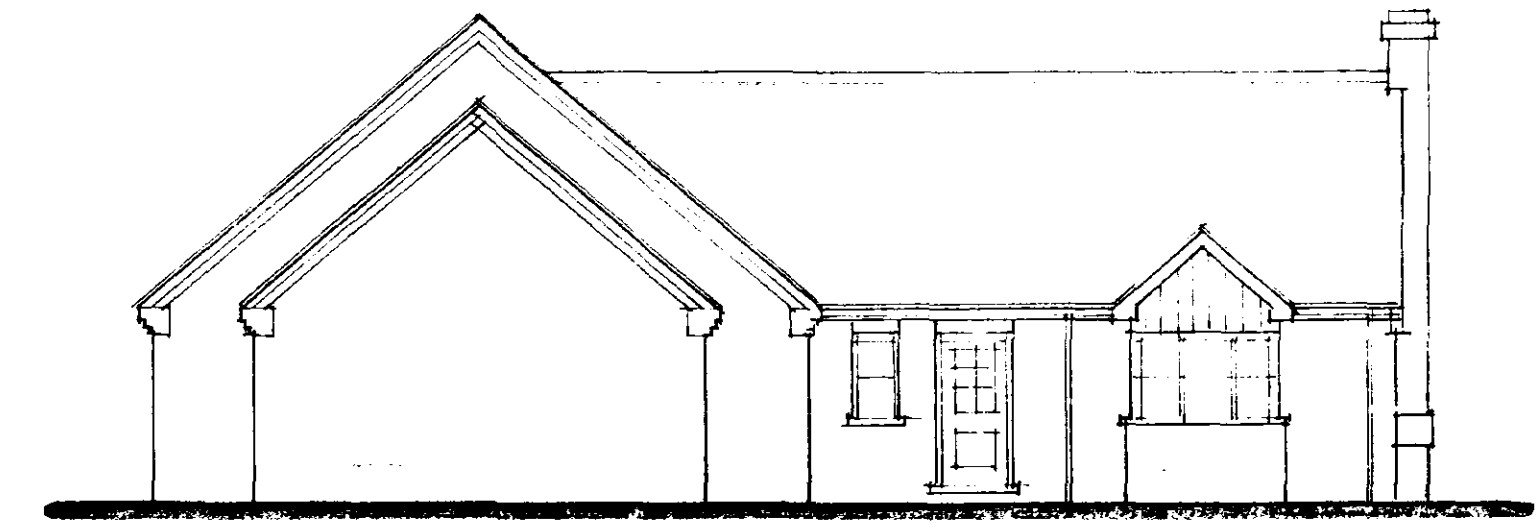
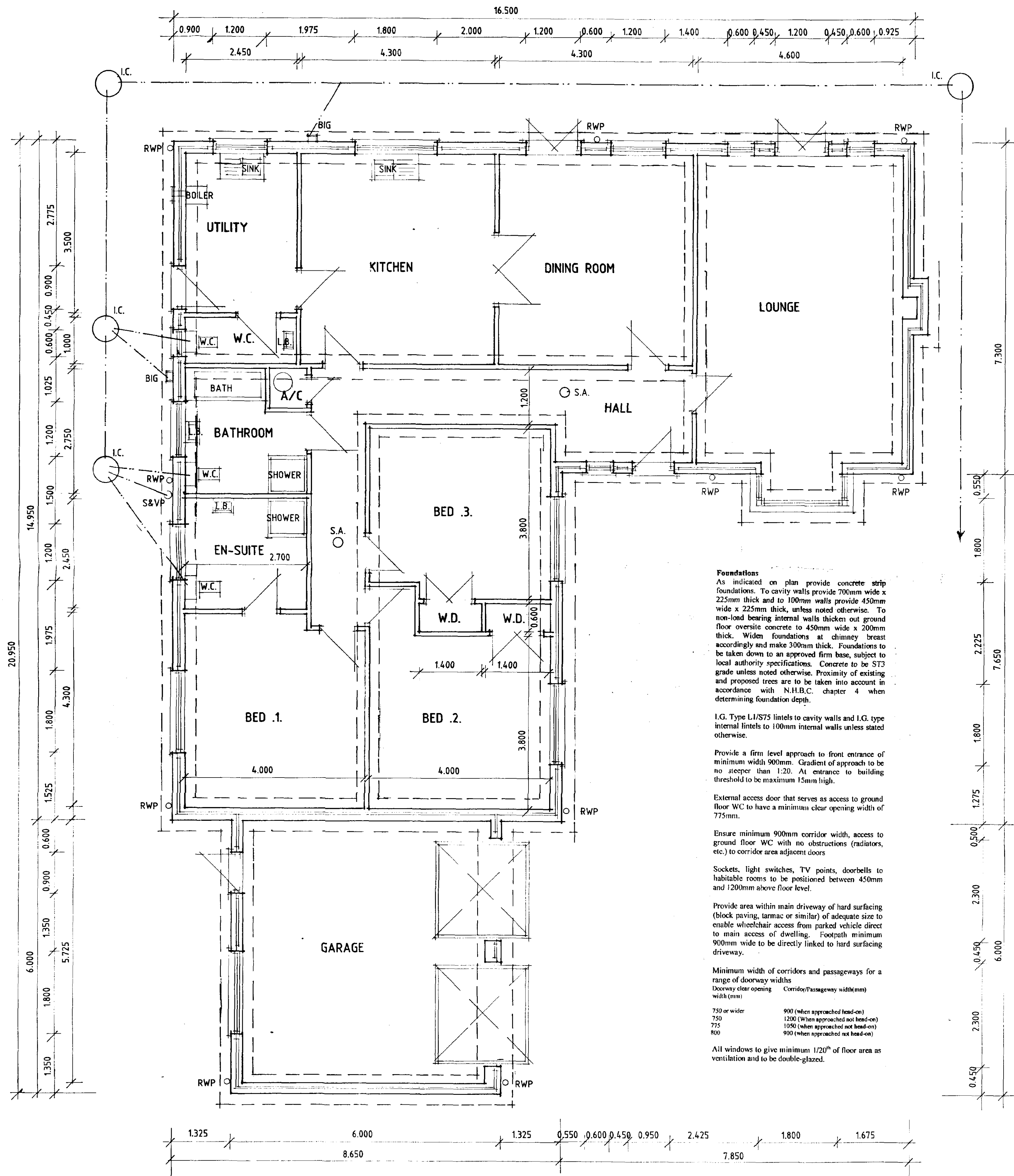
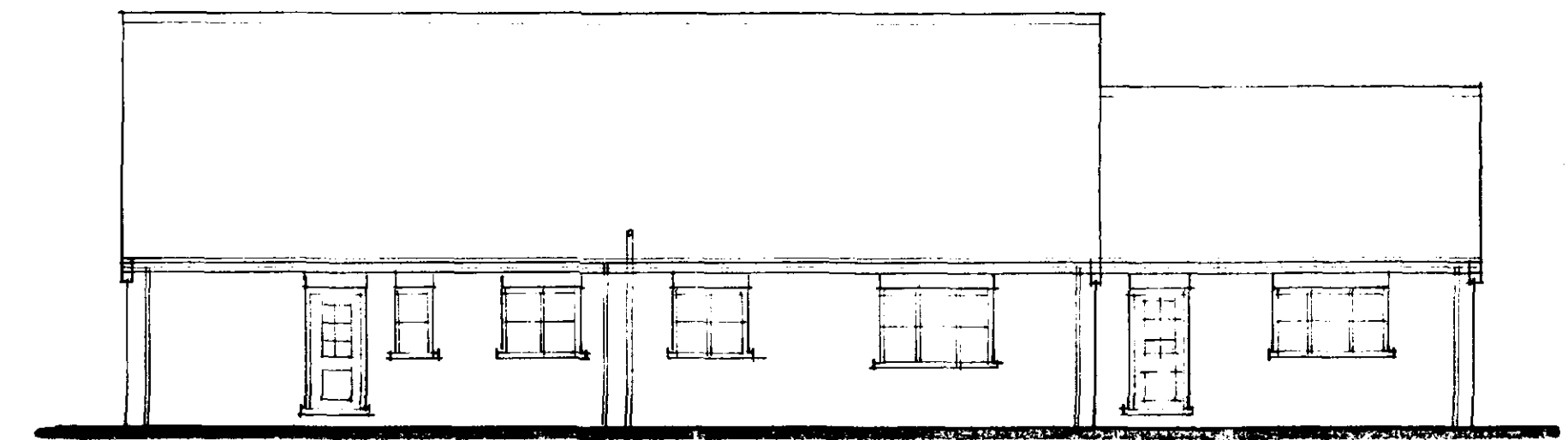
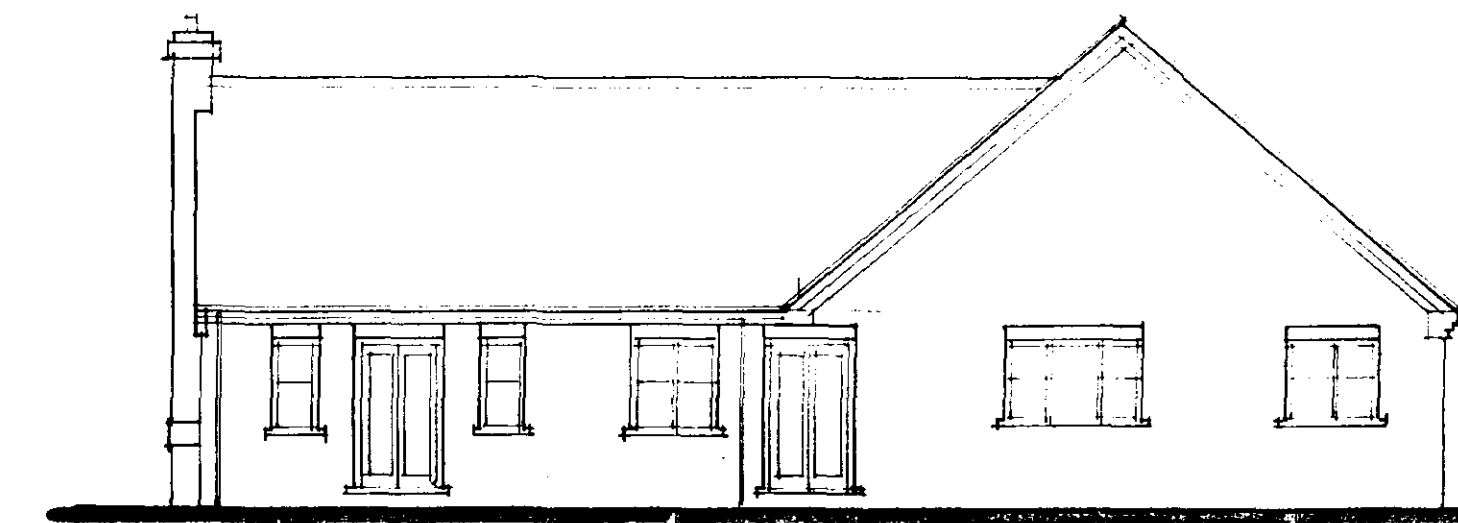




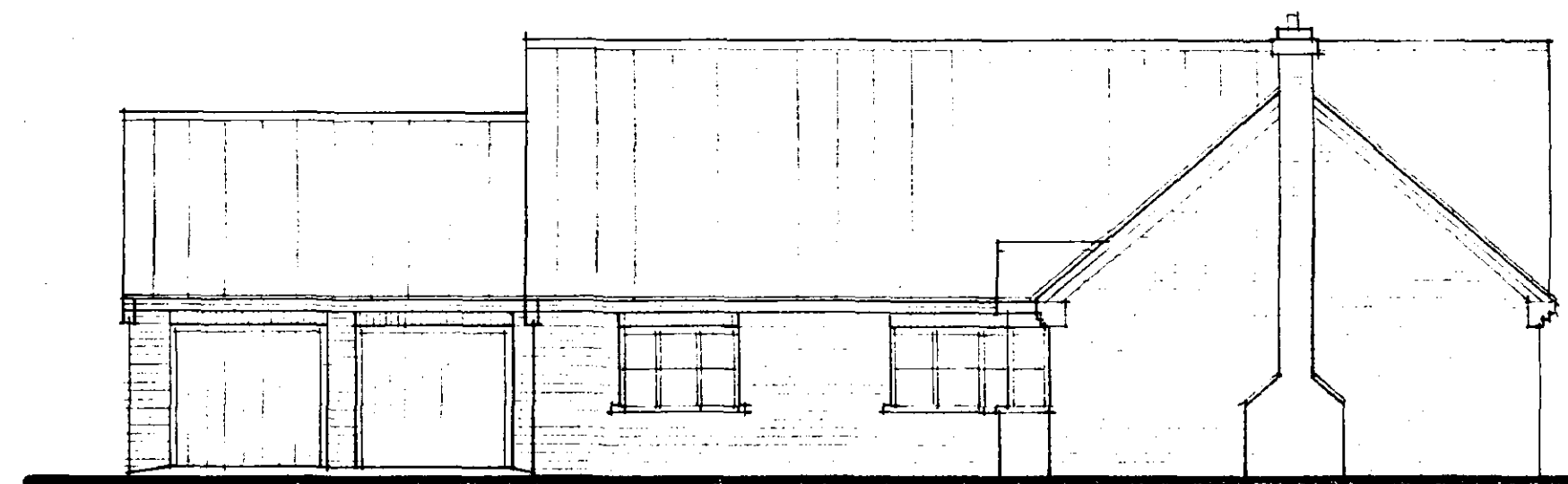
SIDE



REAR



SIDE



FRONT

SOUTH HOLLAND DC
HOUSING & PLANNING
10 SEP 2001
Ref: 1084/01

Inspection Chamber Construction
Proprietary polypropylene inspection chambers bedded on 150mm concrete. Form protective 255mm thick concrete collar around head of inspection chamber with 300mm projection from cover. Covers to be Grade C light duty unless inspection chambers are in driveways where Grade B medium duty covers are to be used.

Open Fire
To be capable of burning smokeless fuel. Hearth to be 125mm high above finished floor level. Flue liners to BS1181 1971 (sockets up). Build into brick jambs of open fire 2 no. metal anchorage points.

Boiler
Provide balanced flue type gas boiler of required rating in position indicated on drawing to be either a wall hung type or free standing on 125mm high concrete hearth above oversite. Boiler outlet to have protective guard cover and to be a minimum 300mm from any opening into the building which is wholly or partially above the terminal. Read in conjunction with Approved Document J1/2/3.

Brickwork below d.p.c. to be F.L. quality

Outlets from balanced flue boilers to be at least 300mm from any openings.

Any bends in flues should not be more than 45°.

All soakaways to be minimum 1m deep.

Provide cavity trays above in situ meter boxes.

All external lintels to be insulated type.

All external joinery to be fully draught proofed.

Loft hatch to be draught sealed and latched shut.

Insulation in roof space to meet with insulation in external cavity walls to prevent cold bridging.

To all domestic floors to external perimeter walls provide 25mm thick insulation dressed up walls to prevent cold bridging.

Hot water cylinder to be minimum 115lt capacity.

Seal all openings and joints to perimeter walls.

All doors, windows and any loft hatches to be effectively sealed and draught proofed.

First floor habitable rooms shall have means of escape windows with openings of at least 450mm wide x 450mm high and a minimum area of 0.33m²

Status
DESIGN
CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED BUNGALOW &
GARAGE TO REAR OF 50
NEW ROAD, SUTTON BRIDGE
FOR

MR. K.BURTON.

1:50 1:100 SD01-033/2

AUG-01 B.GILHAM.

2 Edinburgh Walk, Thurston
Spalding, Lincs
Tel: 01406 272222
DETERMINED
PLAN

Notes and Revisions

Do not scale from this drawing.

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The General Contractor is to check all dimensions on site and report discrepancies to the Architect.

All details shown on this drawing are based upon typical site conditions related to the area. No responsibility can be accepted for abnormal conditions unless reported to the Architects so that design amendments may be considered.

Please note: This drawing is not a conveyance drawing.

Construction work to be carried out with due regard to the Construction (Design and Management) Regulations 1994 (CDM) and the Health and Safety at Work, etc. Act 1974 (HSW Act).

External Materials

Desimple Hathaway Brindle facing bricks
Russet Rustic Double Pantile

Drive

To be block paved or similar approved.

Turning Area

Provide turning area as shown all to Lincolnshire County Council requirements.

Foul Drains

Connect to existing foul sewer in new road. Provide suitable pump if depth of sewer in New Road is inadequate. Connect foul drains of No. 50 New Road into new foul drainage system.

Landscaping/Screening

Trees and hedges to remain where shown. Provide new fences as shown.

Flue Construction

Provide 225mm diameter clay flue liners to BS1181, 1971, with minimum 100mm brick surround. Flue to extend past ridge as stated in Approved Document J1/2/3 Part B and to terminate in 75mm concrete capping and clay pot. Provide Code 4 lead flashing to roof intersection. Provide 2 no. courses of engineering brick or similar as d.p.c. No timbers to be within 40mm of chimney. Chimney also to be read in conjunction with Approved Document A1/2 Section 1D.

Combustion Air

Provide proprietary ventilator to room of open fire at low level to outside air (ideally opposite open fire) to give combustion air equivalent to 50% of the cross sectional area of the throat opening on the appliance. Alternatively, provide proprietary underground ducting from appliance to outside air to give above.

Meter Boxes

Position gas and electricity meter boxes if required in external position to suit client, to be completely sealed around in non-combustible material, to be minimum 500mm, maximum 1000mm above footpath to base.

Soldier Coursing

Provide soldier course brickwork to all areas where shown on elevations.

Overlapping Gabled and Corbelled Eaves

Provide the above to the design as shown on elevations plus any other details that are shown on the plans.

Roof Ventilation

At eaves provide proprietary ventilation equivalent to a 10mm continuous gap along eaves.

Valleys

Use proprietary fibreglass valleys or provide Code 4 lead to valleys to make completely watertight.

Box Window Roof Construction

Concrete interlocking tiles on battens – all as main – on made-on-site roof comprising of 38 x 75mm rafters and ceiling ties. Provide roof insulation and plasterboard plus skim finish as main. At gable end provide 16 mm close-boarded timber on 25 x 25mm battens on plywood fixed to end rafter.

Brickwork below d.p.c. to be F.L. quality

Outlets from balanced flue boilers to be at least 300mm from any openings.

Any bends in flues should not be more than 45°.

All soakaways to be minimum 1m deep.

Provide cavity trays above in situ meter boxes.

All external lintels to be insulated type.

All external joinery to be fully draught proofed.

Loft hatch to be draught sealed and latched shut.

Insulation in roof space to meet with insulation in external cavity walls to prevent cold bridging.

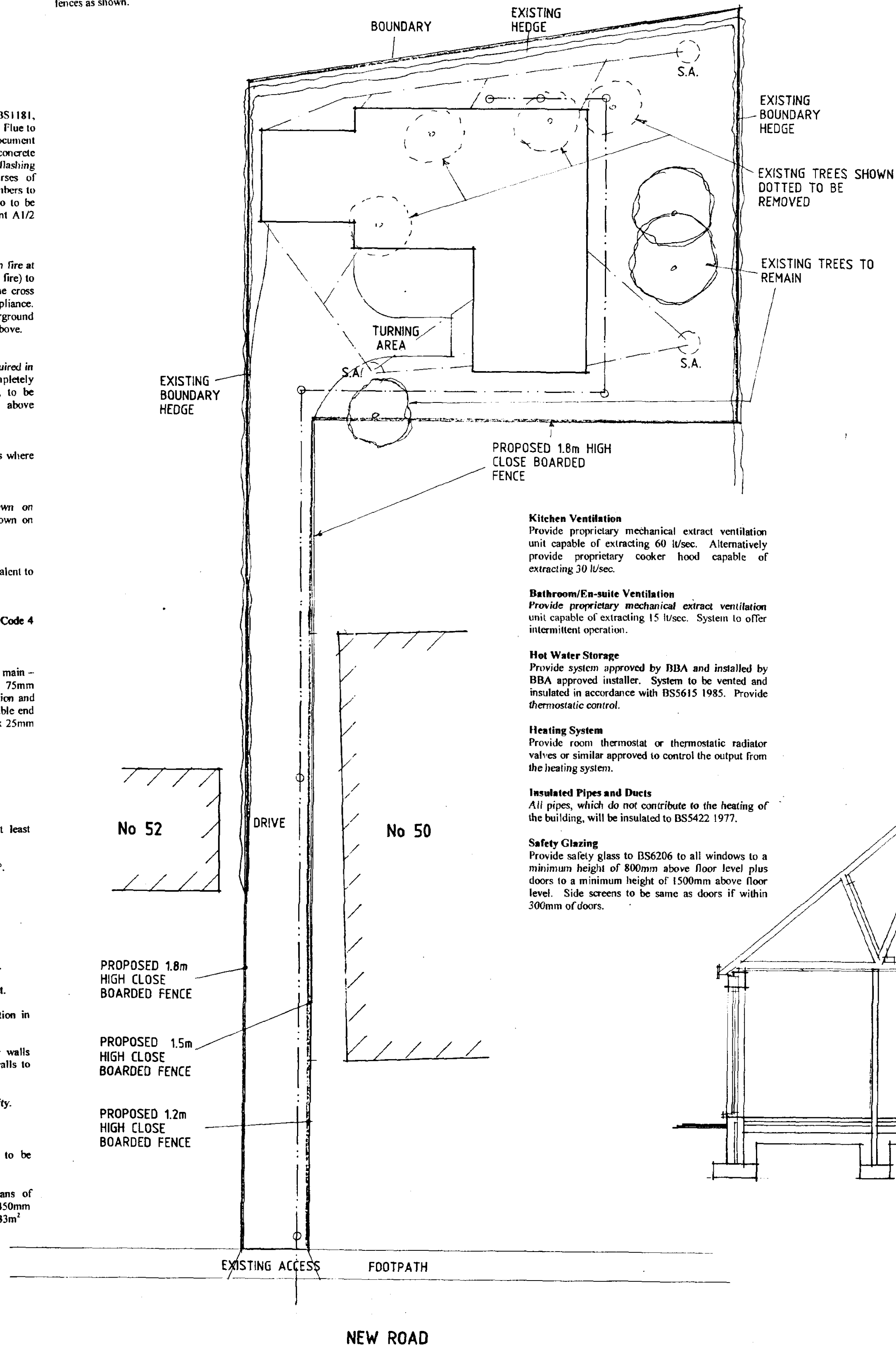
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Hot water cylinder to be minimum 115L capacity.

Seal all openings and joints to perimeter walls.

All doors, windows and any loft hatches to be effectively sealed and draught proofed.

First floor habitable rooms shall have means of escape windows with openings of at least 450mm wide x 450mm high and a minimum area of 0.33m²



SITE PLAN

Habitable Room Trickle Ventilation

Provide proprietary trickle ventilators to head of windows giving a total opening area of not less than 8000mm²

Kitchen/Utility/Bathroom/WC Trickle Ventilation

Provide proprietary trickle ventilators to head of window giving a total opening area of not less than 4000mm²

Utility Ventilation

Provide proprietary mechanical extract ventilation unit capable of extracting 30 l/sec. System to offer intermittent operation.

Roof Insulation

To roof spaces provide proprietary 200mm thick insulation laid as 100mm between joists and 100mm across joists. Ensure a gap of 50mm between roof underfelt and quilt at all times.

Foul Water Drainage

Underground drainage to be proprietary 110mm diameter p.v.c. pipes flexible jointed to fall 1:70 bedded in 100mm pea gravel. Under building drains to be encased in 150mm pea gravel with lintel over pipes at wall abutments. Surround pipes at wall abutments with 50mm compressible material. 110mm diameter soil and vent pipe to extend 900mm above window head and to terminate in balloon finial. Soil and vent pipe to be fitted with access plate at base. Provide suitably sized wastes from all appliances (in accordance with Approved Document I1) complete with minimum 75mm deep sealed traps and rodding eye access points at every direction change. All above ground drainage to BS5582 and all underground drainage to BS8301.

Surface Water Drainage

To be proprietary 110mm diameter p.v.c. pipes flexible jointed to fall 1:70 bedded in 100mm pea gravel. Pipes to discharge into 1200mm diameter soakaways sited 5000mm away from buildings.

Protection to Underground Pipes

Where pipes are not under road and have less than 600mm cover concrete paving slabs should be laid as bridging above the pipes on minimum 75mm pea gravel. If flexible pipes are under a road and have less than 900mm cover reinforced concrete bridging should be used instead of paving slabs.

Sub-structure Walling

To be proprietary 100mm Class A dense concrete blocks. Bitumen felt d.p.c. to external walls 150mm above ground level. Weak mix infill to base of cavities to terminate 225mm below lowest d.p.c. level.

Kitchen Ventilation

Provide proprietary mechanical extract ventilation unit capable of extracting 60 l/sec. Alternatively provide proprietary cooker hood capable of extracting 30 l/sec.

Bathroom/En-suite Ventilation

Provide proprietary mechanical extract ventilation unit capable of extracting 15 l/sec. System to offer intermittent operation.

Hot Water Storage

Provide system approved by BBA and installed by BBA approved installer. System to be vented and insulated in accordance with BS5615 1985. Provide thermostatic control.

Heating System

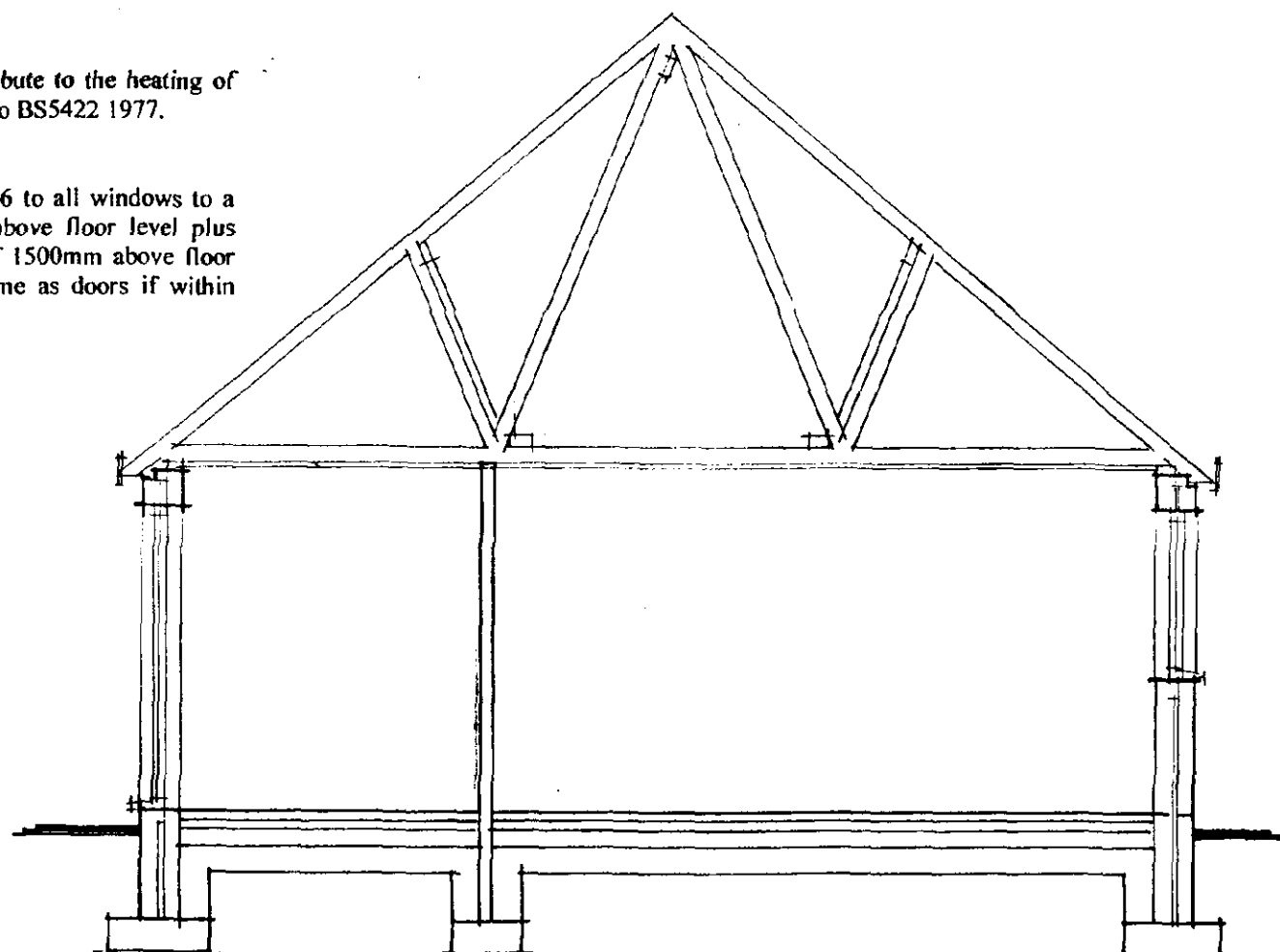
Provide room thermostat or thermostatic radiator valves or similar approved to control the output from the heating system.

Insulated Pipes and Ducts

All pipes, which do not contribute to the heating of the building, will be insulated to BS5422 1977.

Safety Glazing

Provide safety glass to BS6206 to all windows to a minimum height of 800mm above floor level plus doors to a minimum height of 1500mm above floor level. Side screens to be same as doors if within 300mm of doors.



Smoke Detection

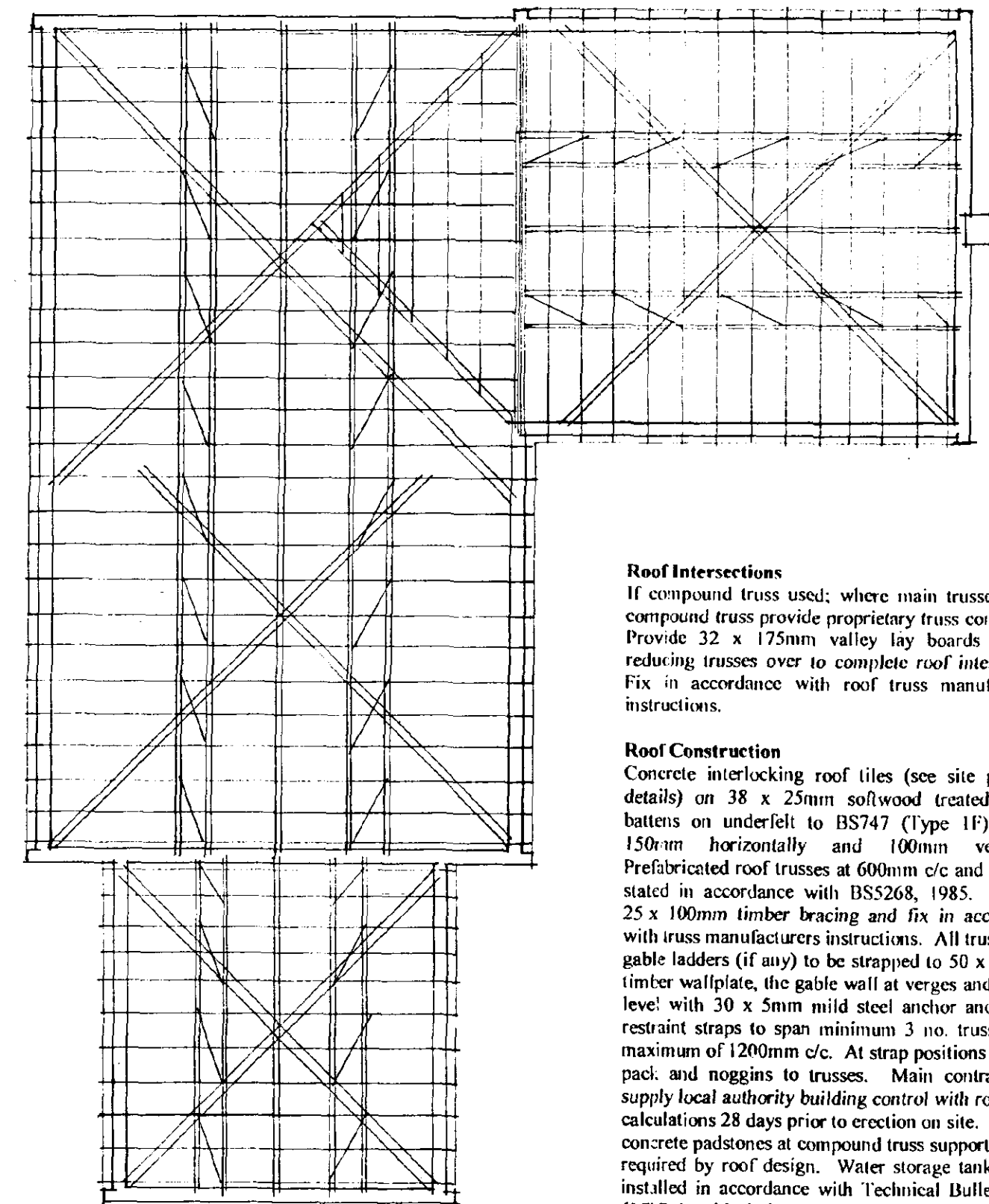
Provide mains operated self-contained smoke alarms to BS5446 Part 1 in accordance with Approved Document B1.

Rainwater Goods

PVC rainwater goods 110mm half round gutters and 68mm diameter downpipes.

Wall Construction

275mm cavity walls to consist of: 100mm face brickwork (see site plan for details), 75mm cavity to be filled with Crown Dritherm full fill insulation in accordance with BBA Certificate No. 86/1678 or similar approved, 100mm internal skin of Tarmac Hemelite blockwork. Cavity walls tied together using galvanised iron or plastic twist ties spaced 900mm horizontally and 450mm vertically to BS1243, 1978. Internal blockwork walls to receive 10mm sand/cement render and skim finish. Where door and window frames do not cloak DPC by 35mm minimum apply 22mm thick Gyproc thermal plasterboard to reveals to minimise cold bridging.

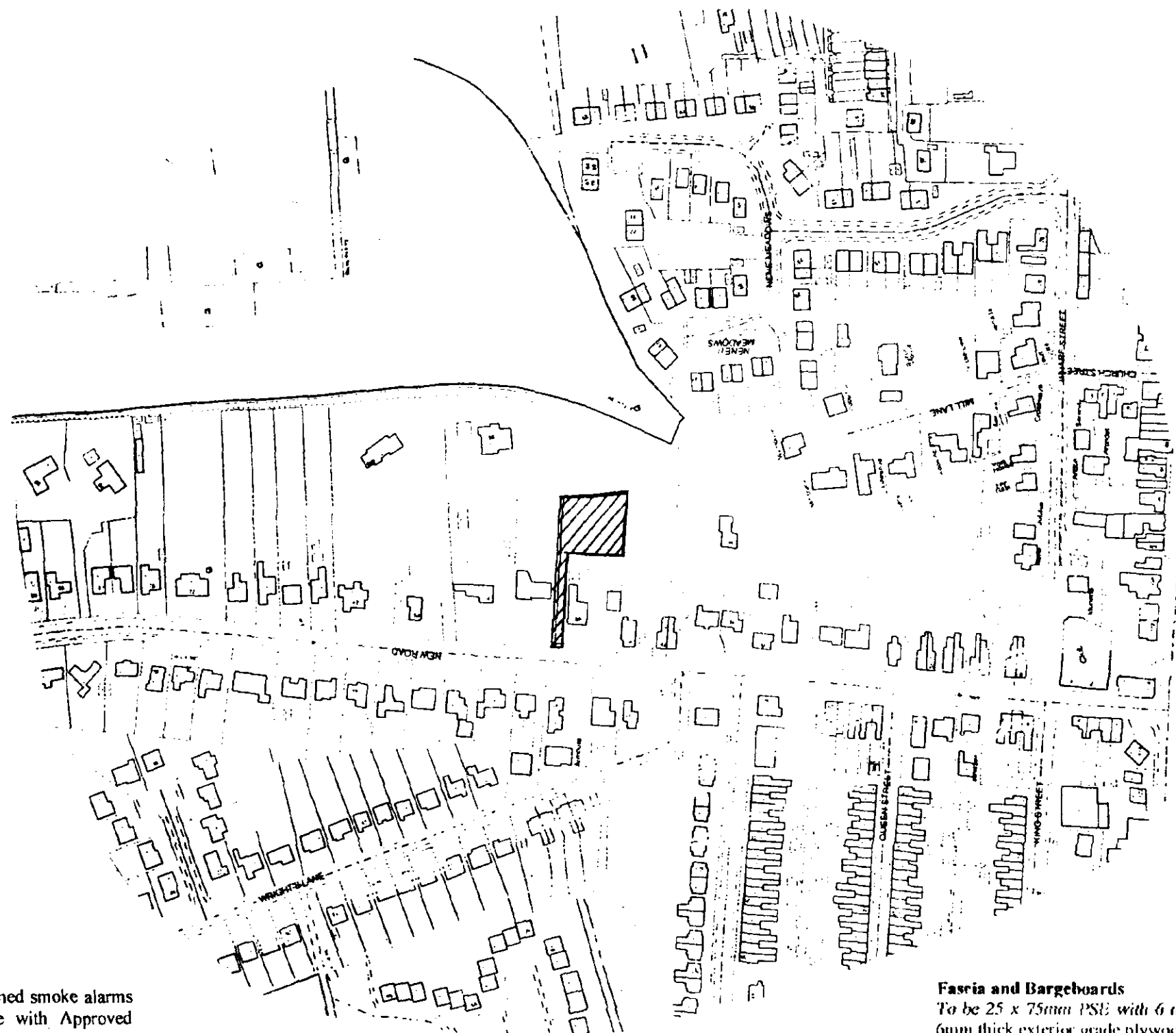


Roof Intersections

If compound truss used; where main trusses fix to compound truss provide proprietary truss connectors. Provide 32 x 175mm valley lay boards and fix reducing trusses over to complete roof intersection. Fix in accordance with roof truss manufacturers instructions.

Roof Construction

Concrete interlocking roof tiles (see site plan for details) on 38 x 25mm softwood treated timber battens on underfelt to BS747 (Type IF) lapped 150mm horizontally and 100mm vertically. Prefabricated roof trusses at 600mm c/c and pitch as stated in accordance with BS5268, 1985. Provide 25 x 100mm timber bracing and fix in accordance with truss manufacturers instructions. All trusses and gable ladders (if any) to be strapped to 50 x 100mm timber wallplate, the gable wall at verges and ceiling level with 30 x 5mm mild steel anchor and lateral restraint straps to span minimum 3 no. trusses at a maximum of 1200mm c/c. At strap positions provide pack and noggin to trusses. Main contractor to supply local authority building control with roof truss calculations 28 days prior to erection on site. Provide concrete padstones at compound truss supports where required by roof design. Water storage tanks to be installed in accordance with Technical Bulletin No. 41.T.P.A. with timber support members to span 4 no. trusses.



LOCATION PLAN

Fabric and Bargeboards

To be 25 x 75mm / 181 with 6 mm groove to accept 6mm thick exterior grade plywood soffit.

Header Tank Support

Water tank in roof space to be supported on bearers to spread the load to BS5268 Part 3 1985.

Ceilings

To all insulated roof ceilings provide 12.5mm Gyproc Duplex plasterboard or similar and either 5mm skim or Artex finish. To remaining ceilings provide 12.5mm Gyproc plasterboard or similar with finishes as above.

Garage Floor Construction

100mm concrete oversite on 1200 gauge polythene d.p.m. or minimum 150mm, maximum 600mm well blinded and compacted hardcore. If garage is integral to house finished floor level to be 100mm below that of house. Wall d.p.c. to lap floor d.p.m. by a minimum of 50mm.

Ground Floor Construction

65mm sand/cement screed on proprietary 50 mm thick floor insulation with perimeter insulation to screed on 1200 gauge polythene d.p.m. on 100mm concrete oversite or minimum 150mm, maximum 600mm well blinded and compacted hardcore. Wall d.p.c. to lap floor d.p.m. by a minimum of 50mm.

Garage Cavity Walls

275mm cavity walls of 100mm facing bricks, 75mm cavity and 100mm internal block skin.

Lintels

All coded lintels as stated in Schedule or marked on plan to be by I.G. To be installed in strict accordance with manufacturers instructions. Furnish d.p.c. cavity tray above all lintels. To all exposed lintels i.e. not sheltered from overhanging eaves, etc. to have proprietary weepholes to joints of brickwork at approximately 450mm c/c.

Opening at eaves level to be L/E lintels by I.G. or similar approved.

DESIGN **Status** CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED BUNGALOW & GARAGE TO REAR OF 50 NEW ROAD, SUTTON BRIDGE FOR

MR. K. BURTON.

1:200 1:2500 SD01-033/1

JULY-01 B.GILHAM.

SOUTH HOLLAND DC HOUSING & PLANNING

10 SEP 2001

7 Edinburgh Walk, Tolbeach, Spalding, Lincs. L42 7AP Tel: 01406 424341 Fax: 01406 496709

DETERMINED

THIS DRG. TO BE READ IN CONJUNCTION WITH SD01-033/2