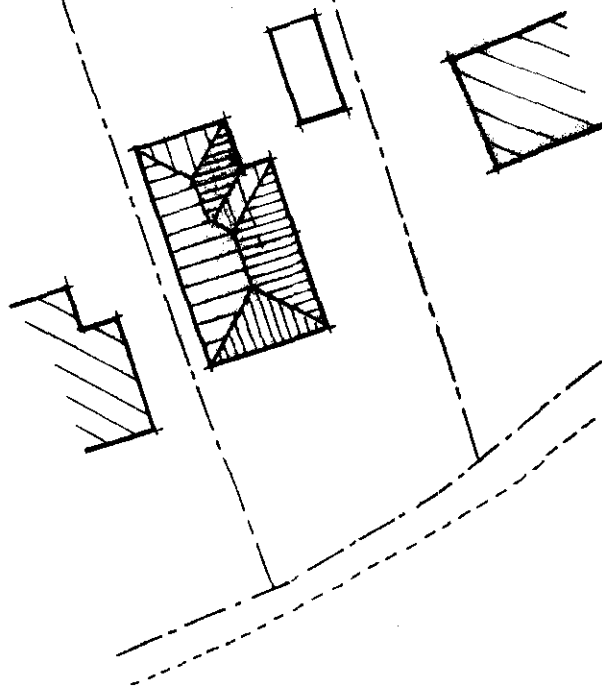




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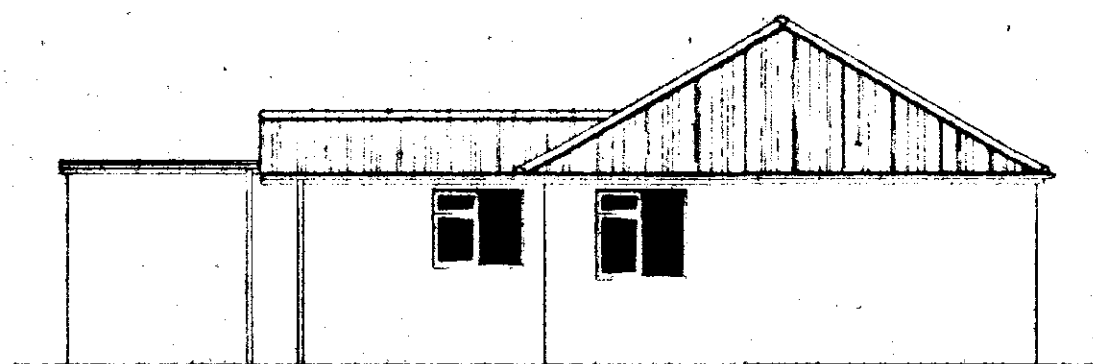


LOCATION PLAN

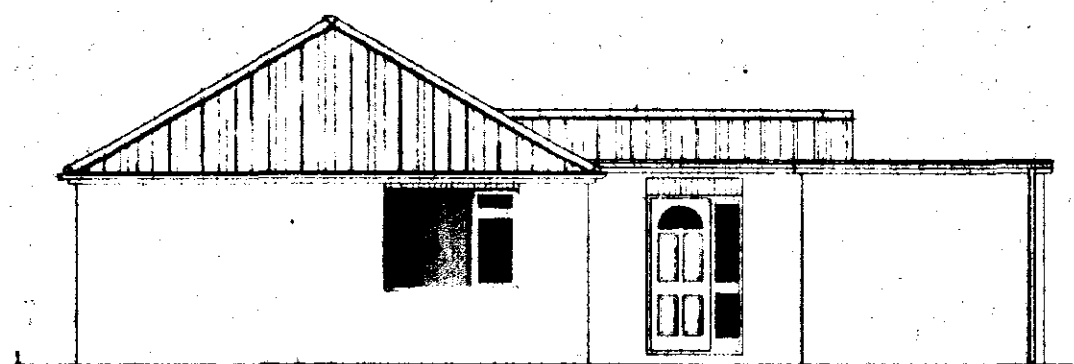


BLOCK PLAN

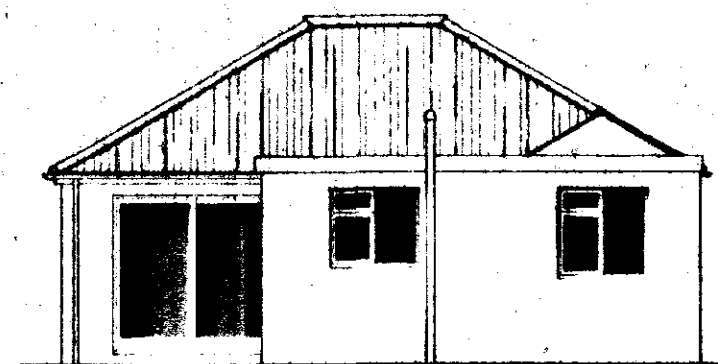
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| <b>G. R. MERCHANT</b><br>1.ENG AMICE TWO<br>ARCHITECTURAL, STRUCTURAL<br>AND LAND DRAINAGE<br>CONSULTANTS<br>Unit 4, Writtle House<br>12A Park Road, Holbeach,<br>Spalding, Lincs. PE12 7ZE<br>Tel: 01406 480000<br>Fax: 01406 480744<br>E-Mail: G. R. Merchant @ Merchant. PB.<br>G. R. MERCHANT & CO. LTD.<br>G. R. MERCHANT & CO. LTD.                                                                                                                                                                                                                                      |                   |
| Project<br>PROPOSED EXTENSION<br>172 BOSTON ROAD<br>HOLBEACH<br>SPALDING Lincs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |
| Client<br>MR & MRS M. HOLLAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |
| Drawing<br>LOCATION / BLOCK PLAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |
| Job Ref<br>419-02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Drawing No.<br>02 |
| Date<br>FEBRUARY '02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Drawn<br>J.C.     |
| Scale<br>1:2500 1/500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |
| DO NOT SCALE FROM THIS DRAWING<br>This drawing is a preliminary design and is not to be used for construction purposes without the written consent of the architect.<br>The architect's liability is limited to the design and construction of the building and its contents.<br>It shall not be used for any other purpose without the written consent of the architect.<br>The architect's liability is limited to the design and construction of the building and its contents.<br>It shall not be used for any other purpose without the written consent of the architect. |                   |



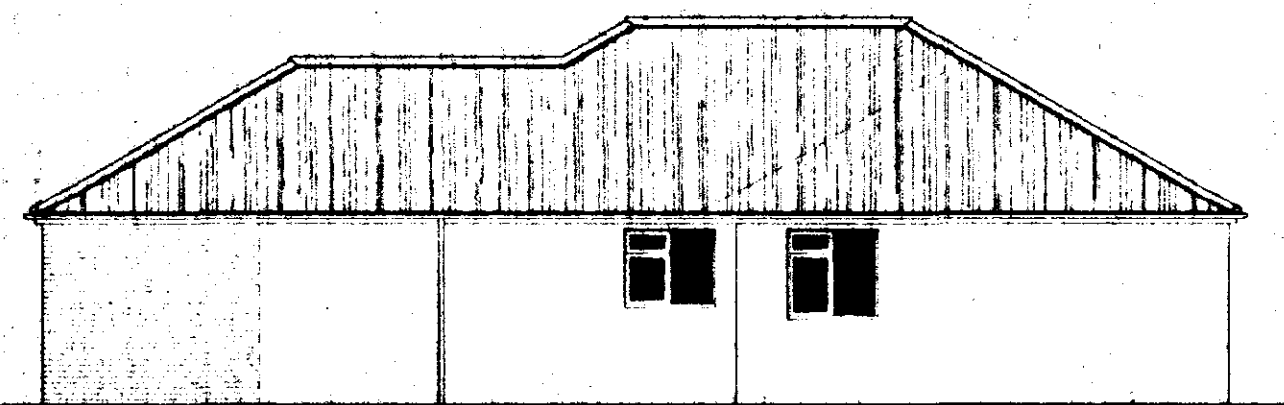
NORTH ELEVATION EXISTING



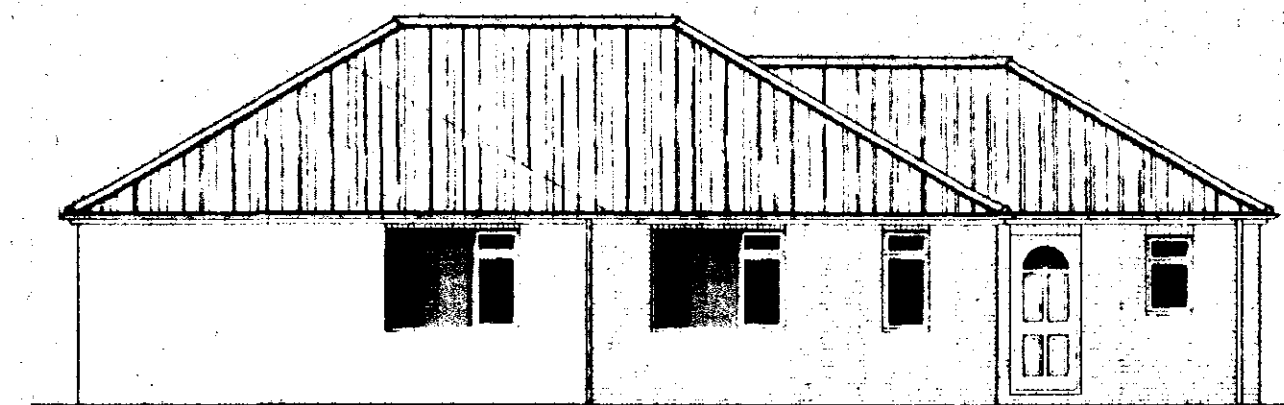
SOUTH ELEVATION EXISTING



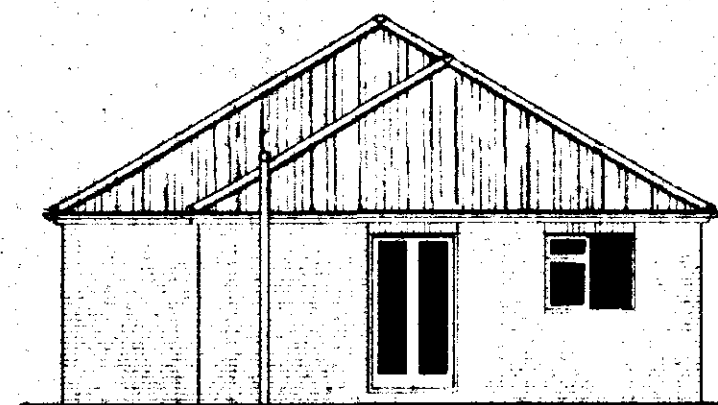
EAST ELEVATION EXISTING



NORTH ELEVATION PROPOSED



SOUTH ELEVATION PROPOSED



EAST ELEVATION PROPOSED

#### GLAZING

Double glaze property throughout (minimum from air gap to all units). All glazing between F.F.I. and 800mm high and between F.F.I. and 1500mm high in doors and side lights to be safety glass to B.S. 6206. All windows/doors to be draught sealed.

#### VENTILATION

All windows to have opening lights to open the equivalent of 1/20th the floor area. Provide background ventilation to habitable rooms min. 8000mm sq per room free air ventilation per room. To all other rooms provide min. 4000 sq. All following rooms to have in addition to above Wall/Window mounted mechanical extractor fan. Kitchen to extract min. 60 litres per second. Utility rooms to extract min. 30 litres per second. Bathrooms to extract min. 15 litres per second which may be operated intermittently. W.C. to extract min. 6 litres per second with 15 minute overrun.

#### RE-ROOF

Strip off existing asbestos slates and battens. Fit new 19 x 95mm treated softwood battens on underfelt to B.S. 747 (type F) and in all cases lapped by 150mm both horizontally and vertically. Re-lay with new Fibre cement slates. Check all timbers and replace defective members as required.

#### HOT WATER AND SPACE HEATING

Reposition existing boiler as shown and extend system as required. Ensure timer switch and suitable zone thermostat to dwelling. Fit thermostat control valves to all radiators. Hot water system to be thermostatically controlled with timer switch and to be vented. All hot water storage tanks and pipework to be insulated to P.R. 1.1, pt 5.

#### SMOKE DETECTORS

Provide ceiling mounted smoke operated self-contained smoke alarms to B.S. 5446: pt.1.1990. In positions shown on plan. Where more than one detector is to be provided they will be interconnected. All permanently wired to a separate fused circuit at distribution board.

#### GENERAL

All electrical installations to be in accordance with the latest I.E.E. Regulations. Provide hot & cold water supply to all wash basins. All electrical switches, socket outlets, telephone and T.V. points to habitable rooms to be positioned at appropriate heights between 450mm & 1200mm from F.F.I.

#### SUB STRUCTURE WALLING

100mm dense concrete blocks to B.S. 6079 pt.1.1981 DPC to external wall positioned in accordance with CP 102 min. 150 above finished ground level. Work min. concrete W8 to base of cavity no closer than 225 to DPC. All brickwork below DPC to be P.L. quality.

#### SURFACE WATER DRAINAGE

150mm dia. half round rainwater gully to 65mm dia. rainwater pipe. 110mm dia. underground pipes flexibly jointed to a fall of 1:70 pipes bedded and surrounded in pea gravel and discharge to 120mm dia. soakaway min. 5.0m to edge from dwelling.

#### GROUND FLOOR CONSTRUCTION

Strip all vegetable soil and lay floor as follows: 70mm sand and cement screed with chicken wire reinforcement on 500mm polythene D.P.M. on 50mm Polythene insulation board on 1200mm polythene D.P.M. upper concrete with D.P.C. by min. 100mm, lay 500mm wide D.P.M. strip into D.P.C. to lap floor D.P.M. at 100 concrete overlap. Concrete min. 25 to B.S. 5923 pt.1.1991. 150 blended and consolidated hardcore.

#### FOUNDATIONS

Under walls as shown provide deep concrete foundations 225 x 700 all 25 to B.S. 5923 pt.1.1991. All foundations taken down to bear on local bearing strata min. depth of 600 to top of foundations. Should desirable soil conditions be found on site then foundations shall be taken down to a depth of 1 metre below ground level. Where internal walls are taken up off floor then thickness shall be 225 x 450 or if considered necessary be taken down to 225 x 450 foundation.

#### LINOLS

All linols to be manufactured by Mowlem, L.G. and to be installed in accordance with makers' instructions, and to have min. and bearing of 150mm and all external positions to have cavity tray D.P.C. to CP 121. Internal linols to be L.G. 100 D.P.C. tape. Provide Perspex and wiper holes and steps to cavity tray.

#### FULL DRAINAGE

Inspection chamber construction to be "Open" and installed in accordance with makers' instructions with the internal diameter related to the depth in accordance with B.S. 850:1985. Fall drainage pipes to be 110mm dia. (PVC) to B.S. 4560:1985 flexibly jointed and laid to makers' instructions to a fall of 1:70 bed and surround with 100mm pea gravel. Where pipes pass under floors encase in 150mm pea gravel. Where pipes pass under drives surround in 150mm concrete with flex joints to correspond with joints in pipework. Provide 65 x 100 precast concrete inlet bridging where pipes pass through walls, allow 50mm gap around pipe, opening finished both sides of wall with raked sheet material. Soil and vent pipes to be 110mm dia. PVC to B.S. 4514: 1989 and to extend 900mm above finished level terminating with PVC lid. Waste pipes to be generally 40mm dia. If over 9.0m long no increase to 50mm dia. All PVC to B.S. 5949: 1979 complete with rubber gaskets at every change of direction. Bath, basin and sink to have 75 deep seal traps. Shower to be raised on 150mm plyth with access plate to anti-siphon trap and 50mm waste.

#### PITCHED ROOF CONSTRUCTION

Blue/Black Fibre cement slates to B.S. EN 492 1994 on 25 x 95mm treated battens on underfelt to B.S. 747 (type F) and in all cases to be lapped by 150mm both vertically and horizontally. Tiles to be laid with min. headlap of 75mm and to be fixed in accordance with respect to wind speed, roof pitch and exposure category as detailed in B.S. 5699 Pt.2. Timberplate specialist made prefabricated roof trusses to comply with B.S. 5268 part 5:1988. TILES CALC. TO BE SUBMITTED TO L/A MIN. 28 DAYS PRIOR TO ERECTION. Trusses to be at 600/c to a pitch to match existing approx. of 50 deg. (check on site). 95 x 100 ridge pole batten. 95 x 100 ceiling batten. All trusses to be strapped to wall plate by 50 x 9 galvanneal metal straps acting as anchor and lateral restraint straps at min. 1.5m/c. Note: provide solid bridging batten straps. 50 x 100 wall plate batten on sand and cement. 25 x 175 fascia board 6mm min. grade plywood soffits complete with 10mm wide continuous air gap and fly proof screen. All structural timber to be min. SCS grade, stamped DRY or KD to indicate moisture content of 20% or less in accordance with B.S. 4978. Where span of trussed rafter exceeds 5.0m provide additional bracing within the planes of the walls in accordance with Truss Plate Assoc. tech. bulletin sheet 4. Timber supports are to be provided beneath water storage tanks over 400 ceiling joists. At roof intersections provide 25 x 100 lay boards and dunnage trusses at 600/c to install code 4 lead valley liner.

#### Ceilings

200mm glassfibre insulation total thickness. 100mm between joists & 100mm over joists. 12.7mm Gypcrete plasterboard 9mm skin. Provide min. 95 x 95 supports to all plasterboard edges. All joints to be taped and filled. Provide access trap to roof space. Access panel to be 120mm ply with layer of 12.7mm plasterboard fixed to face 100mm joists to top surface. Provide slide bulk fasteners & draught seal all round.

#### WALLING

265 cavity walling to consist of face brickwork to B.S. 3921:1974 for clay bricks and B.S. 137:1978 for calcium silicate bricks. 65 cavity build into cavity. Reduced cavity wall bottle insulation board in accordance with makers' instructions and agreement can. Na29/1027. 100mm Tarmac Hemsley solid insulation blocks or under. Cavity walls laid together using galvanized iron batten bars set 900 horizontally and 450 vertically to B.S. 1249:1978 wall ties positioned at 500 vertical centres at all external corners of cavity. Close cavities with "Thermax" preformed door and provide between felt DPC to C.P. 121. External walls to have min. "U" value of 0.45 W/m2 deg. C. Internal walls of 100mm Tarmac Hemsley solid insulation blocks. All to receive 100mm S/C render and 3mm skin.

#### LIMITATIONS

This drawing is limited in the amount of information contained and does not purport to contain a full specification of the works. It is added for the purpose of obtaining Planning/Building Regulation approval. The drawing must not be used as a contract document alone.

All dimensions shall be taken from site from actual work. Under no circumstances shall measurements be scaled from this drawing for construction or ordering purposes. All open dimensions shall be checked by the Builder/Contractor and will be the responsibility from commencement of site work.

The works will not be supervised or inspected on site by G.R. Merchant, or any representative thereof. It is the client or their appointed agents responsibility to control workmanship, substitution of materials, adherence to specification, variations to contract etc.

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#### STANDARDS

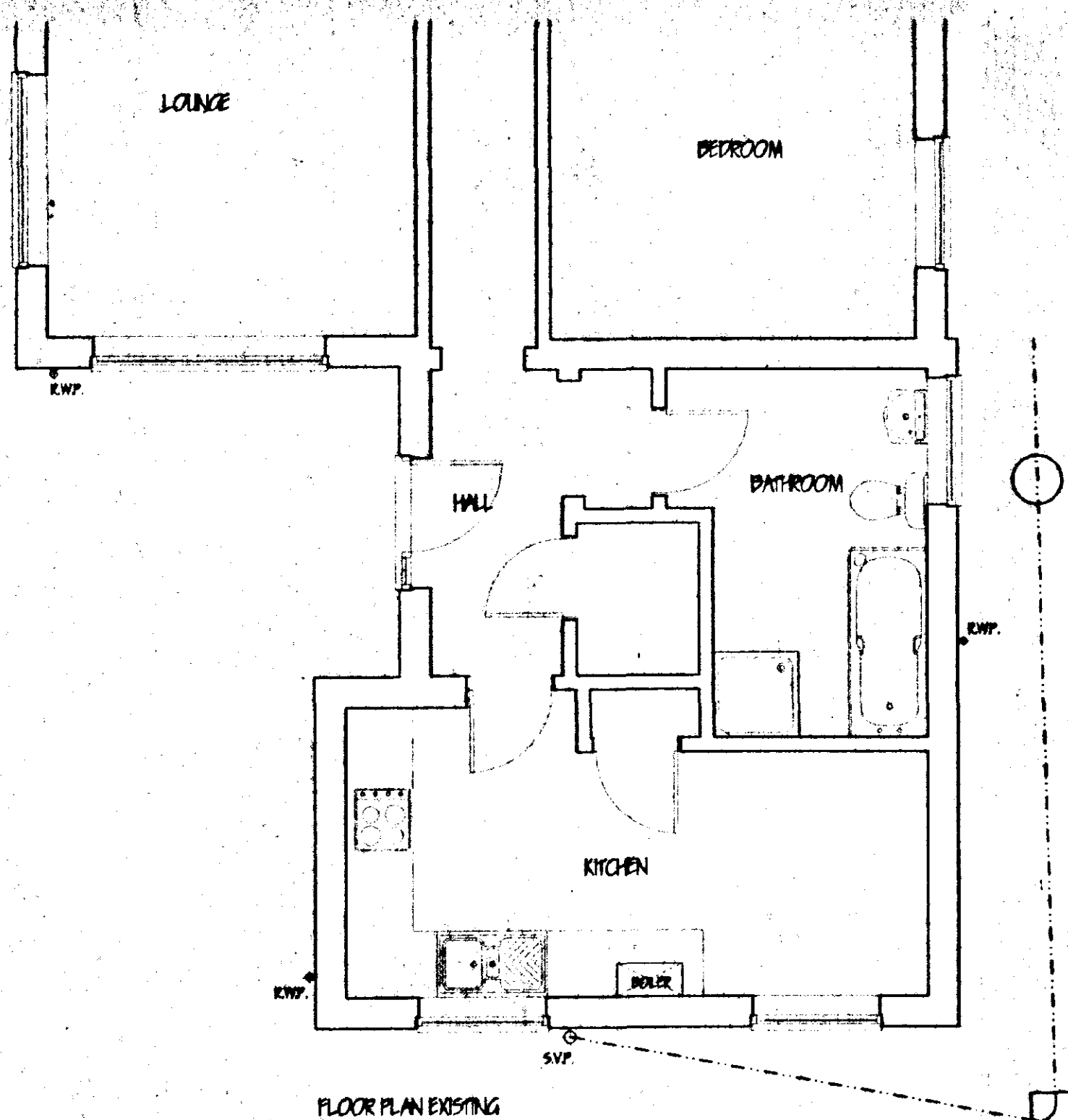
All materials to be new unless otherwise stated and all components and materials etc. to be used fitted and installed etc. in strict accordance with manufacturers instruction and relevant Code of Practice. Materials shall conform to appropriate British Standard Specification or BBA Certificate or European Code equivalent.

#### HEALTH & SAFETY

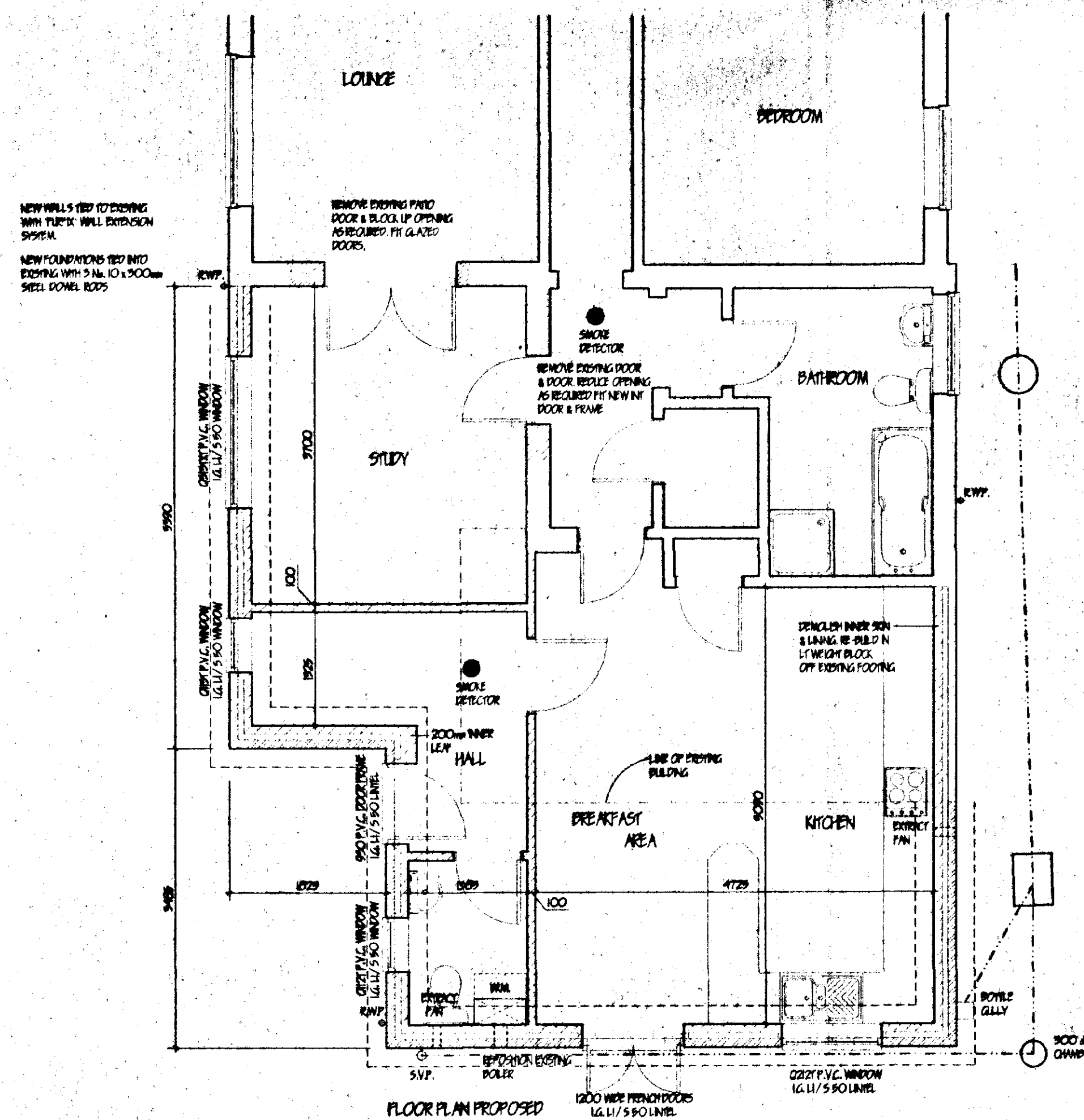
The Employer/Client shall ensure that the selected contractor is conversant with and adopts all measures necessary to achieve compliance with Health & Safety legislation for Building Sites and Work Places. The Employer/Client is advised that should the works need to comply with the Construction Design and Management Regulations an independent Planning Supervisor will be required.

#### SCOPE OF THE WORKS

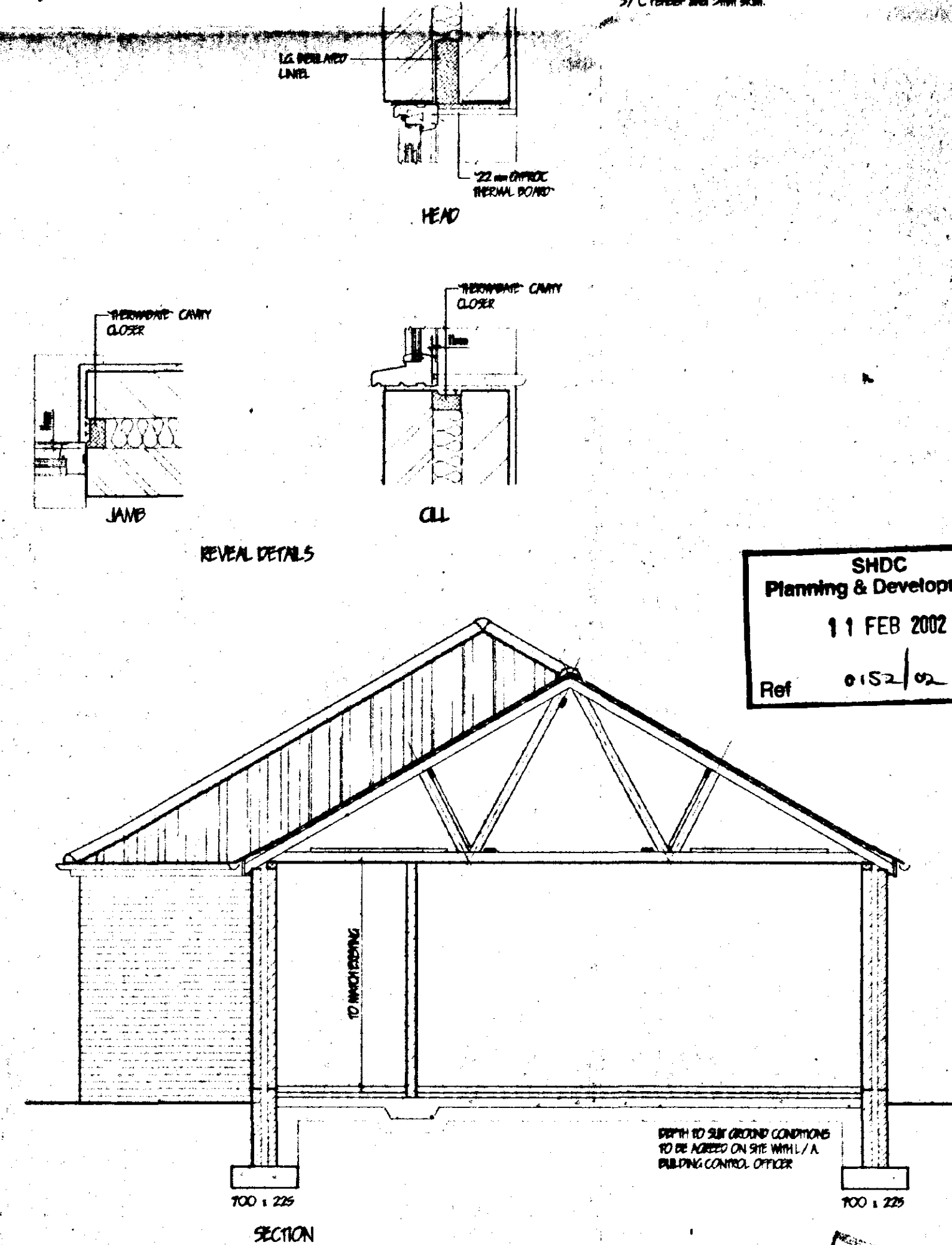
The works shall comprise of all that is shown on the drawing and details. Work that may not be specifically shown but may be reasonably inferred as necessary to carry out the works shall be deemed to be included.



FLOOR PLAN EXISTING



FLOOR PLAN PROPOSED



SECTION

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| <b>G. R. MERCHANT</b><br><b>LENG AMICE FIWO</b><br><b>ARCHITECTURAL, STRUCTURAL</b><br><b>AND LAND DRAINAGE</b><br><b>CONSULTANTS</b><br>Unit 4, Wrights House,<br>182 Park Road, Holbeach,<br>Spalding, Lincs. PE18 7EE<br>Tel: 01408 600000<br>Fax: 01408 485744<br>E-Mail: G. R. Merchant @ Merchant. PB.<br>Co. UK                                                                                                                                                                                                                                                                                                                                                             |                         |
| Project:<br><b>PROPOSED EXTENSION</b><br><b>172 BOSTON ROAD (NORTH)</b><br><b>HOLBEACH</b><br><b>SPALDING Lincs.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |
| Client:<br><b>MR &amp; MRS M. HOLLAND</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |
| Drawing:<br>(Blank)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         |
| Job Ref:<br><b>419-02</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Drawing No:<br><b>Q</b> |
| Date:<br><b>FEBRUARY '02</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Drawn:<br><b>J.C.</b>   |
| Scales:<br><b>1:50 1:100</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         |
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