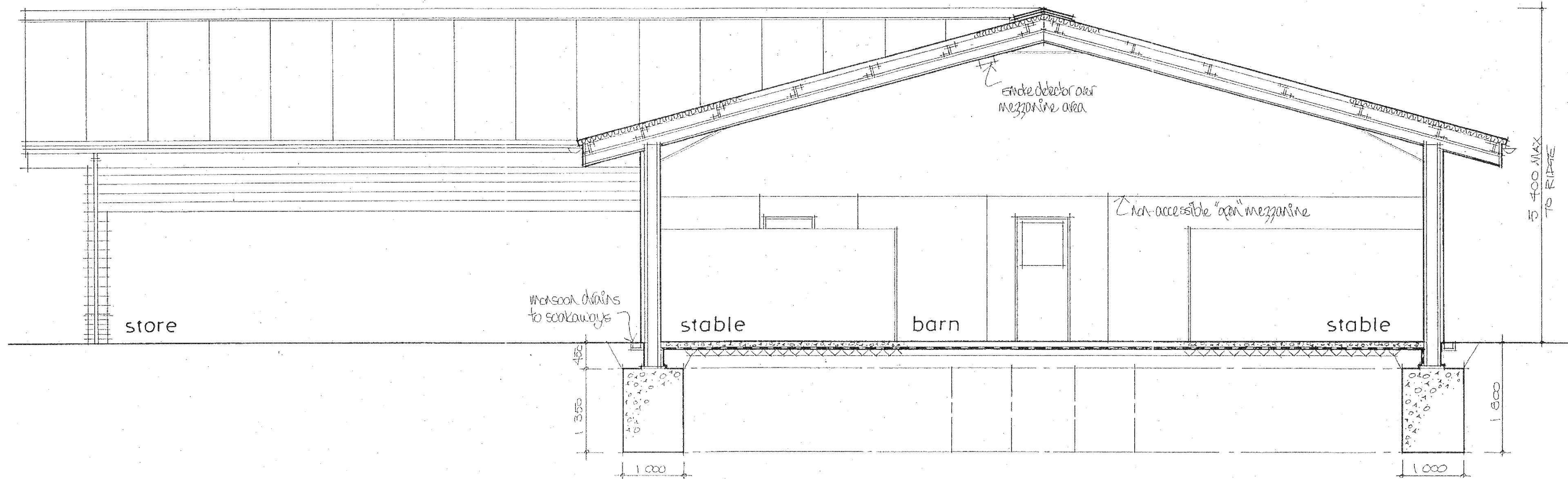
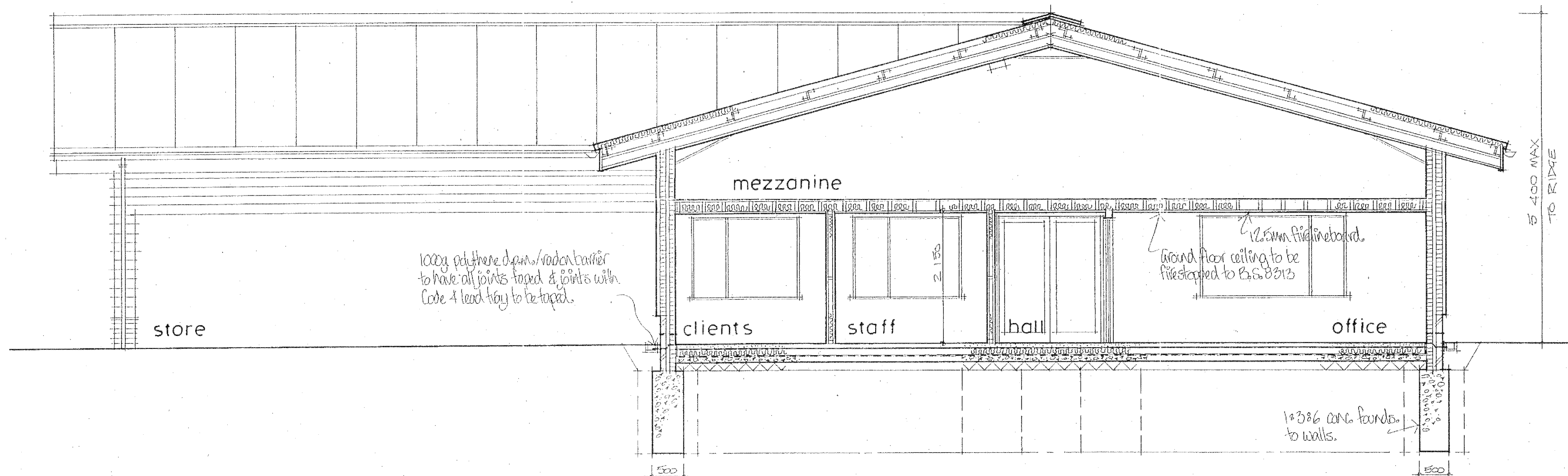
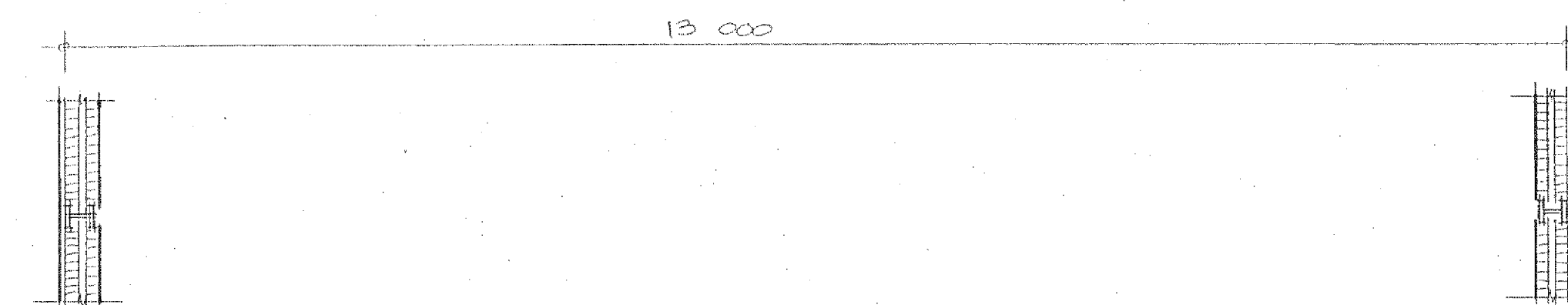




SECTION A A



SECTION B B



TYPICAL WALL PLAN

external walls: Shall be timber cladding on 225mm hollow concrete blockwork to barn section & timber cladding on 100mm thermalite shield blockwork 75mm wide cavity totally filled with Dytan 32 insulation & inner leaf of 100mm thermalite-turbo blockwork drilled internally with 80mm dytec thermalboard to office/clients end of the building. Wall-ties will be Galv. s.s. type built into the walls at the rate of 5/m² & at 750mm max horiz. spacing. Wall-ties shall be doubled at all reveals. Horiz. d.p.c.s shall be 220mm wide Hyload to barn/stables section & 112mm wide Hyload to cavity walls. 12p.c.s shall be built into the walls 150mm min. above g.o. & d.p.c.s shall be lapped to them. Vertical d.p.c.s. shall be 150mm wide Hyload & backed with 10mm Celotex shall be lapped into the cavity at reveal closures.

floors: Barn floor shall be rubber finish of client's choice on 100mm thickness 1:2:4 concrete reinforced with A12 mesh or approved alternative on 50mm sand blinding on 125mm consolidated hardcore. Client/Office floor shall be finish of client's choice on 75mm 1:3 cement/sand screed reinforced with E.M.L. or building paper on 100mm Celotex on 100mm gauge polythene d.p.m./100mm barrier on 100mm 1:2:4 concrete overste reinforced with A12 mesh or similar approved reinforcement. Reinforcement shall have 50mm min. conc. cover. Mezzanine deck shall be 21mm 150kg/m² density L & G w.e.p.s. secured to top of Ayrshire 200C channels fixed at 400mm max. c/c's & supported on steel frame by others & on g.v.s. hangers at external walls. Mezzanine deck shall be fully lined with 100mm thickness 10kg/m² density glassfibre insulation. 10mm Celotex shall be fixed between the new screed & the external walls.

drainage: Washbasin wastes shall be 32mm Ø & sink wastes 38mm Ø u.p.v.c. & shall be fitted with rodding eyes at all direction changes. Waste traps shall be 75mm deep sealed u.p.v.c. anti-siphon type. Soil drains shall be 110mm Ø u.p.v.c. laid at 1:40 min. fall to foul water treatment units of client's choice & to B.C.C.'s approval. E.w.g.s. shall be 100mm M.S. box gutters with 100mm Ø u.p.v.c. E.w.g.s. Stormwater drains shall be 150mm Ø u.p.v.c. laid at 1:80 min. fall to conc. ring soakaways 5m min. from building. All foul & stormwater drains shall be bedded & surrounded in 150mm prebetch & backfilled in concrete. 150mm d.p.c. lintels shall be built into the walls directly over drains passing under them.

heating & ventilation: Office/client floor area shall have underfloor heating of client's choice & coils shall be fixed to top of Celotex insulation. Windows & external doors shall be white u.p.v.c. double glazed with K-glass with 16mm airgap between panes & frames shall have 800mm² trickle vents. All glazing in critical locations & within 1100mm of the floor shall be safety glass to B.S. 6262. W.C.s shall be fitted with extractor fans venting to the outside air & capable of an extraction rate of 30 litres air/sec. & 20 mins. overrun. Clients' room & Utility shall have extractor fans venting to the outside air & capable of an extraction rate of 60 litres air/sec. & 20 mins. overrun. Wholesome hot water supply to washbasins & sink shall be provided by a Trianco Aztec electric heater.

electrical installation: All work shall be carried out by qualified & competent persons in strict accordance with Part P (Electrical Safety). Prior to completion the Council must be satisfied that Part P has been complied with and an appropriate B.S. 7671 Certificate of Electrical Installation issued. Switches & socket outlets shall be installed between 450mm & 1200mm above the finished floor level.

expansion joints: Shall be formed in external walls at 12m max. spacing & shall be formed with s.s. wall ties doubled one end with Compriband compressible filler & sealed with a waterproof flexible sealant. Both inner & outer skins of cavity wall shall be fixed to standions with single twist s.s. ties secured to the faces of the columns at every second course of blockwork.

water supply: There will be a wholesome water supply in accordance with the requirements of the water supply (water fittings) Regulations 1999 to all sanitary fittings & all other draw off points. Heated wholesome water shall be provided to washbasins & sinks (inc. food preparation areas). Hot water storage system shall be to B.S. 6700:2006 & A1:2005. Closed storage water heaters shall comply with B.S. EN 12897:2006.

w.c.s: Dis. w.c. shall have 110mm Ø u.p.v.c. s.w.p. to emerge through roof for a height of 900mm above the top opening & fitted with a u.p.v.c. ballcock. Washbasin & sink wastes shall drain into s.w.p. & upstand pipes. Upstand pipes in remaining w.c.s shall be 110mm Ø u.p.v.c. shall terminate above adjacent washbasin traps & fitted with a Marley Dego air admittance valve they shall be encased in plasterboard & vented top & bottom.

fire protection: A smoke detection system shall be installed separately-wired to the mains & linked to an audible alarm. Fire doors shall be 1hr fire resistant & fitted with intumescent edge strips & cold smoke seals. Fire doors are indicated thus * smoke detectors thus (S) & heat detectors thus (H). Steel portal frame shall be totally painted with intumescent paint & certified 1hr fire-resistant. Emergency light fittings are indicated thus E.L. & those positioned at external door openings shall be "Exit" type. Water & dry-foam extinguishers shall be provided adjacent to all external door openings & fire brigade risers provided in positions shown.

foul treatment unit: As designed & manufactured by Messrs. W. J. Hyatt or similar approved manufacturer. Full details & specifications shall be submitted to the Local Authority by the unit supplier & full written approval received from the Local Authority prior to commencing works.

soakaways: There shall be G.O. 2.7m Ø perforated ring concrete ring soakaways each 2m deeper than the lowest incoming pipe invert. The soakaways shall be 5m min. from buildings & shall be surrounded in granular fill to the manufacturer's specification.

Alan Scarratt
ARCHITECTURAL SERVICES

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client
Mr. C. Ellis

job
Hangleton Farm
Equestrian Centre
Hangleton Lane
Ferring

dwg. no.
A S. 548.11E

dwg. title
SECTIONS
Foaling unit

drawn by

date June 2010 scale 1:50

Do not scale off drawings
Check all dimensions on this list
all work to be commenced

All projects must be used in accordance
to confirm with local building
regulations, B.S. 5400:1:2005