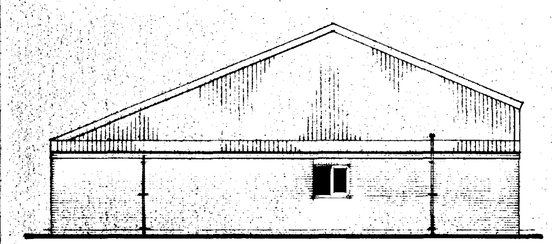
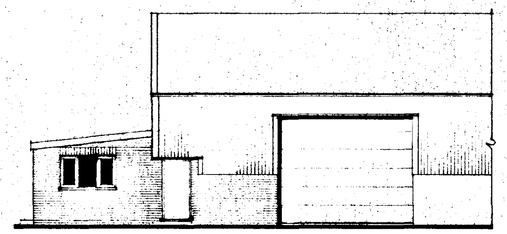


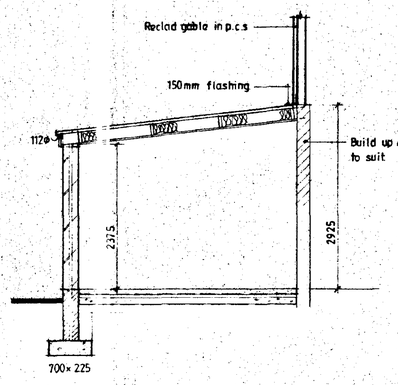
North Elevation



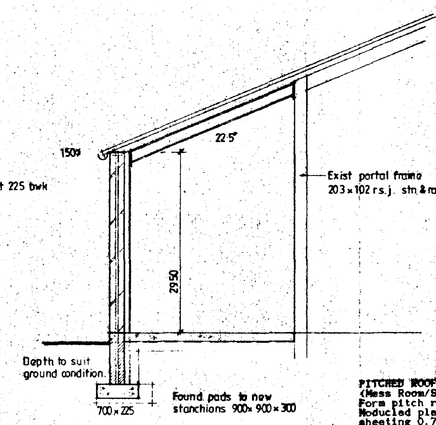
West Elevation



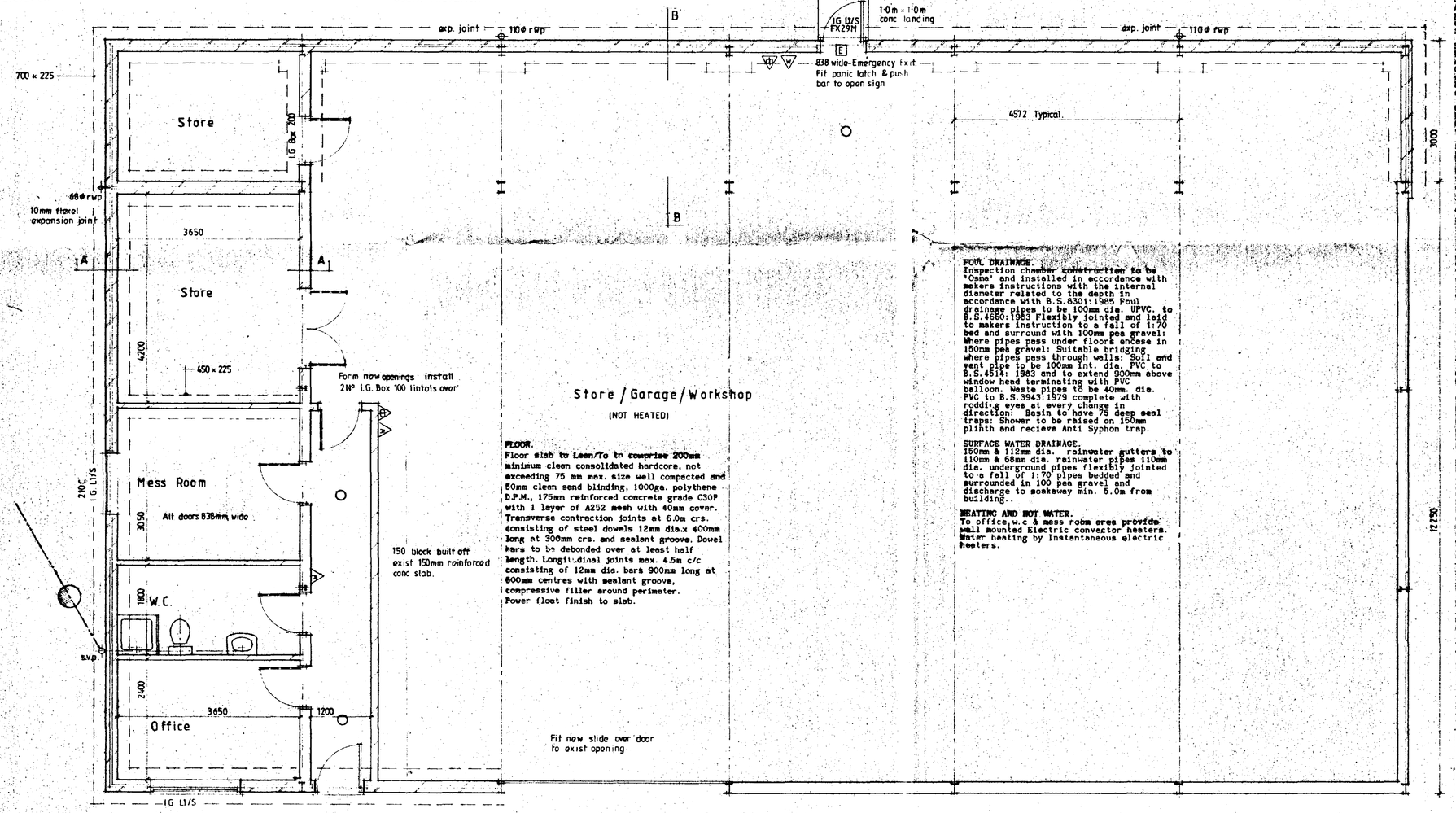
South Elevation



Section A - A



Section B - B



Store / Garage / Workshop

(NOT HEATED)

FLOOR.
Floor slab to Lean/To to comprise 200mm minimum clean consolidated hardcore, not exceeding 75 mm max. size well compacted and 50mm clean sand blinding, 1000ga. polythene D.P.M., 175mm reinforced concrete grade C30P with 1 layer of A252 mesh with 40mm cover. Transverse contraction joints at 6.0m crs. consisting of steel dowels 12mm dia.x 400mm long at 300mm crs. and sealant groove. Dowel bars to be debonded over at least half length. Longitudinal joints max. 4.5m c/c consisting of 12mm dia. bars 900mm long at 600mm centres with sealant groove, compressive filler around perimeter. Power float finish to slab.

FOUL DRAINAGE.
Inspection chamber construction to be 'Osma' and installed in accordance with makers instructions with the internal diameter related to the depth in accordance with B.S.8301:1985 Foul drainage pipes to be 100mm dia. UPVC. to B.S.4660:1983 Flexibly jointed and laid to makers instruction to a fall of 1:70 bed and surround with 100mm pea gravel: Where pipes pass under floors encase in 150mm pea gravel: Suitable bridging where pipes pass through walls: Soil and vent pipe to be 100mm int. dia. PVC to B.S.4514: 1983 and to extend 900mm above window head terminating with PVC balloon. Waste pipes to be 40mm. dia. PVC to B.S.3943:1979 complete with rodding eyes at every change in direction: Basin to have 75 deep seal traps: Shower to be raised on 150mm plinth and recieve Anti Syphon trap.

SURFACE WATER DRAINAGE.
150mm & 112mm dia. rainwater gutters to 110mm & 68mm dia. rainwater pipes 110mm dia. underground pipes flexibly jointed to a fall of 1:70 pipes bedded and surrounded in 100 pea gravel and discharge to soakaway min. 5.0m from building..

HEATING AND HOT WATER.
To office,w.c & mess room area provide wall mounted Electric convector heaters. Water heating by Instantaneous electric heaters.

PITCHED ROOF CONSTRUCTION.
(Mess Room/Store)
Form pitch roof covering of Werds Moduclad plastisol coated profiled sheeting 0.7mm thick. or similar approved profile and manufacture. On 50 x 125 Timber Purlins at 1.3m c/c. on 50 x 175 timber rafters at 3.0m c/c. 150mm glassfibre laid between purlins. Ventilated fillers to Cladding at top and bottom.

PITCHED ROOF CONSTRUCTION.
(L/To Extension).
Standard six corrugated fibre cement. All on 'Werds Multibeam' or similar galvanised steel purlins at max 1375mm c/c. and fixed to manufacturers instructions.

STEELWORK.
Form all steelwork to structural engineers recommendations. Cable rails to be 'Werds Multibeam' or similar fixed to of stanchions. Form all necessary stays and ties to structural engineers recommendations.

CEILINGS.
Form ceilings to offices of 12.7mm Gyproc duplex plasterboard and Artex finish, 150mm fibreglass insulation.

WALLING.
250 cavity walling to consist of face brickwork to B.S.3921:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks: 50 cavity: build into cavity "Rockwool" cavity wall bats in accord. with makers instructions 100mm Thermalite solid insulation blocks: Cavity walls tied together using galvanised iron twist ties set 900 horizontally and 450 vertically to B.S. 1243:1978 wall ties positioned at 300 vertical centres at 611 unbonded closures of cavity: At every closure of cavity provide bitumen felt DPC to C.P.121 external walls to have max 'U' value of 0.6 W/m2 deg. C.: Internal walls of Fairfaced 100mm Thermalite solid insulation blocks to receive decoration

SUB STRUCTURE WALLING.
100mm class A dense concrete blocks: DPC to external wall positioned in accordance with CP 102 min. 150 above finished ground level: Weak mix concrete infill to base of cavity no closer than 225 to DPC.

GROUND FLOOR CONSTRUCTION.
Strip all vegetable soil and lay floor to office area as follows: 70mm sand and cement screed with chicken wire reinforcement. on 500g polythene on 50mm Jablite insulation board on 100 concrete oversite: Concrete mix ST4 min. 1200g polythene membrane to be lapped continuous with DPC by 100mm: 150 blinded and consolidated hardcore:

FOUNDATIONS.
Under walls as shown provide strip concrete foundations as follows, Under 250 cavity walls provide 225 x 700 and under 100 walls provide 225 x 450 all ST4 mix. All foundations taken down to bear on load bearing strata min. depth of 600 to top of foundations: should shrinkable 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 structure then thicken out slab to 225 x 450 or if considered necessary be taken down to 225 x450 foundation. Steelwork foundations to Engineers details

LINTELS.
All lintels to be as manufactured by messrs I.G and to be installed in accordance with makers instructions. And to have min. end bearing of 150mm and at external positions to have cavity tray d.p.c to CP.121: External lintols to be I.G.LI/S. Internal lintels to be I.G.100 Box. Lintels where exposed to be underlined with 12.7 fireline board or receive 12mm render + skim

WINDOWS AND DOORS.
Build in standard softwood windows and doors 12mm air gap to double glazed units. Form d.p.c. to all jambs and closed cavities. Mastic externally around all window openings.

DETERMINED PLAN

Notes & Schedules

- 4.5kg dry powder extinguishor
- 9 litre water filled extinguishor
- Emergency light point
- 30min fire door with intumescent strip smoke seals & self closer
  Vision panels to office, mess & stores

CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE BEFORE WORK COMMENCES

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revision	date	init.	revision details

COOPER ARCHITECTURAL DESIGN
BRONAVON HOUSE, GATE
FLEET, SPALDING, LINCS. PE12 8LY
TEL: 0406 423762

client
F. PARNELL (AGRICULTURAL CONTRACTOR)

project
EXTENSION TO EXISTING STORE/ WORKSHOP

TILSONS FARM.
BLACK BARN, GEDNEY.

drawing
RECEIVED
09 AUG 1995
Ref: 1082/95

scale	drawing no.
1:50 1:100	95018
date	drawn
OCT. '95	

SUMMIT D.O.S 841079