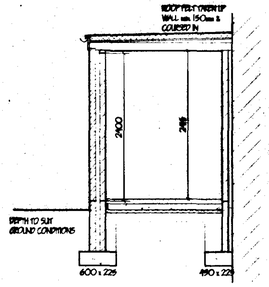
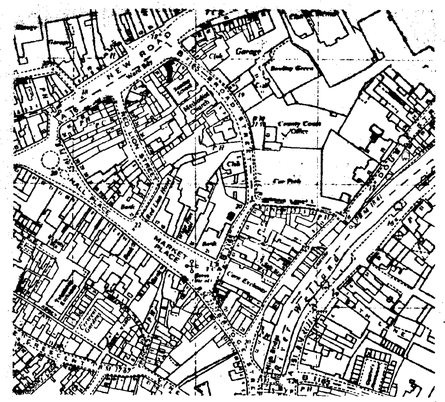


ELEVATION

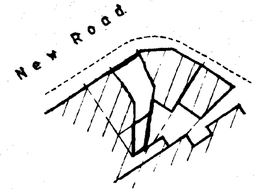


SECTION

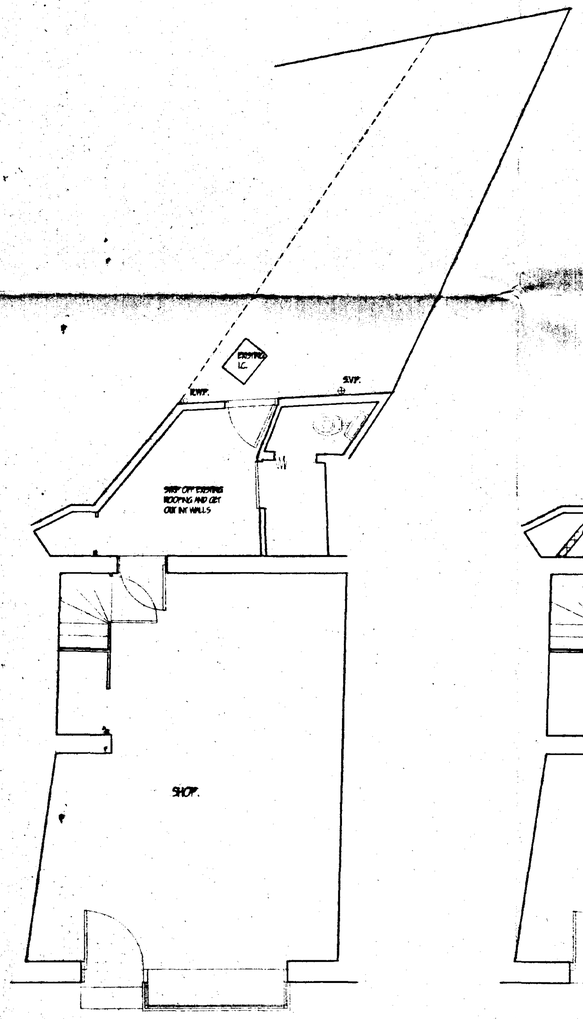


LOCATION PLAN 1:2500

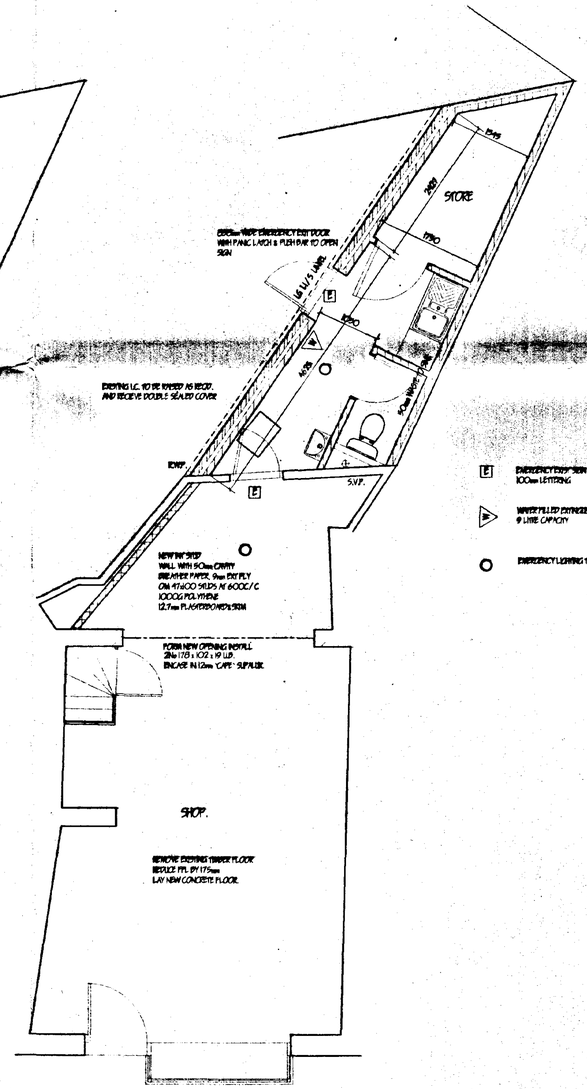




BLOCK PLAN 1:500



PLAN EXISTING



PLAN PROPOSED

E EMERGENCY EXIT SIGN 1078:5. 5499 pt1 100mm LETTERING

WATER FILLED EXTINGUISHER 9 LITRE CAPACITY

EMERGENCY LIGHTING 1078:5. 5266 pt1

FOUNDATIONS.
Under walls as shown provide strip concrete foundations as follows: Under 265 cavity walls provide 225 x 600 and under 100 walls provide 225 x 450 all GEN3 mix to B.S. 5928: pt1 1991. All foundations taken down to bear on load bearing strata to 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 then thicken out slab to 225 x 450 or if considered necessary be taken down to 225 x 450 foundation.

FLAT ROOF CONSTRUCTION. (WARM)
12mm white spar chippings bedded on 3 layer roofing felt, 1st layer to be asbestos based on 12mm ext. grade ply on average mean thickness of 125mm "Ubidec" cut to 1:40 falls insulation board. 1000g polythene vapour barrier: 20mm ext. grade ply deck 47 x 150 SC5 grade joists at 400 c/c with 50 x 5 m.s. straps at max. 1.5m centres 20mm marine ply fascia.

CEILINGS.
12.7mm (approx "duplex" plasterboard 9mm skim finish: Provide min. 38 x 38 noggins to all plasterboard edges. All joints to be taped and filled.

WALLING.
265 cavity walling to consist of Facer brickwork to B.S. 3921:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks: 65 cavity: build into cavity Rockwool cavity wall batts insulation boarding in accord. with makers instructions and approved cert' No 89/1087. 100mm Tarmac Hemelite solid insulation blocks or similar: Cavity walls tied together using galvanised iron butat ties set 900 horizontally and 450 vertically to B.S. 1243:1978 wall ties positioned at 500 vertical centres at all unbonded closures of cavity: Close cavities with "Thermabate" preformed closer and provide bitumen felt DPC to C.P. 12: External walls to have min. "U" value of 0.45 W/ m2 deg. C.: Internal walls of 100mm Tarmac Hemelite solid insulation blocks and to receive 10mm S/ C render and 3mm skim (except COLD STORE). Stud walls to consist of 38 x 89mm c.l.s studs at 400mm c/ c, both sides to be clad with 12.7mm plasterboard and skim. 100mm glassfibre infill between studs.

PARTY WALL.
100mm wall to consist of Tarmac Hemelite solid insulation blocks with min. load weight of 15KG/ M2. Wall ties positioned at 450mm vertically and set 900mm horizontally, 10 CAVITY BETWEEN NEW & EXISTING WALL: Party walls to receive no insulation: All party walls to be taken up to under side of roof coverins and fire stopped using "Pilkington Rockwl" insulation matt or similar. 150mm high Code 4 lead flashings at all roof/ wall abutments.

SUB STRUCTURE WALLING.
100mm dense concrete blocks to B.S. 6073 pt.1 1981: DPC to external wall positioned in accordance with CP 102 min. 150 above finished ground level: Weak mix concrete infill to bese of cavity no closer than 225 to DPC. All brickwork below DPC to be F.L. quality.

GROUND FLOOR CONSTRUCTION.
Strip all vegetable soil and lay floor as follows: 70mm sand and cement screed with chicken wire reinforcement on 500g polythene D.P.M. on 50mm Polystyrene insulation board, on 1200g polythene D.P.M. lapped continuous with D.P.C. lay min. 100mm on 100 concrete oversite: Concrete mix GEN3 to B.S. 5928: pt1 1991: 150 blinded and consolidated hardcore:

LINTELS.
All lintels to be manufactured by Ribmore Ltd. 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, 12: Internal lintels to be I.G. 100 Blue tapes. Lintels in entrance to be underlined with 12.7 fireline board or receive 12mm render and skim.

FOUL DRAINAGE
Inspection chamber construction to be "Osma" double sealed with screw down lower 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. 4660:1989 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 flexel joints to correspond with joints in pipework. Provide 65 x 100 prestressed concrete lintel bridging where pipes pass through walls, allow 50mm gap around pipe, opening sealed both sides of wall with rockwool sheet materials: Soil and vent pipes to be 100mm nt. dia. PVC to B.S. 4514: 1969 and to extend 900mm above window head terminating with PVC balloon. Waste pipes to be 40mm dia. PVC to B.S. 5255: 1979 complete with rodding eyes at every change of direction: Basins and sink to have 75 deep seal traps

SURFACE WATER DRAINAGE.
115 dia. half round rainwater gutters to 69 dia. rainwater pipes 82.4 dia. underground pipes flexibly joined to a fall of 1:70 pipes bedded and surrounded in pea gravel and discharge to existing system

GLAZING.
Double glaze prospects throughout (minimum 6mm air gap to all units) All glazing between F.F.L. and 800mm high and between F.F.L. and 1900mm high in doors and side lights to be safety glass to B.S. 6206. All windows/ doors to be draught sealed.

HOT WATER AND SPACE HEATING.
Provide "Economy 7" electric night storage heaters thermostatically controlled and instantaneous electric water heater . All hot water storage tanks and pipework to be insulated to B.R.I.I. part 3

SMOKE DETECTORS.
Provide mains operated self-contained smoke alarms to B.S. 5446: pt.1. in positions shown on plan.

FIRE DOORS.
All doors to be min. 838mm wide and have 30 minute fire resistance and fitted with self closers. All frames/ doors to have intumescent strip fitted.
All office doors to be fitted with vision panel of quarp plate glass.

EMERGENCY EXIT DOORS.
All doors to be min 838mm wide and fitted with panic latch. Provide "Push Bar to Open" sign on door. Emergency Exit sign over to B.S. 5499 pt1 Externally provide 1.0m x 1.0m concrete landing level with internal F.F.L.

DETERMINED
PLAN.

SOUTH HOLLAND DC
HOUSING & PLANNING
10 NOV 1998
Ref: H/111/98

revision	date	init.	revision details.

COOPER ARCHITECTURAL DESIGN
BRONAVON, HOCKLESEATE, FLEET, SPALDING, LINC'S PE12 6LF
Tel/Fax : 01406 423782
Mobile : 0410 280852

Client.
BOOTH'S FRUIT & VEG.

Project.
PROPOSED EXTENSION TO EXISTING SHOP.
34 NEW ROAD,
SPALDING,
LINC'S.

Drawing.

Scale	1:50	Drawing No.	9717
Date.	OCT. 98	Drawn.	J.C.