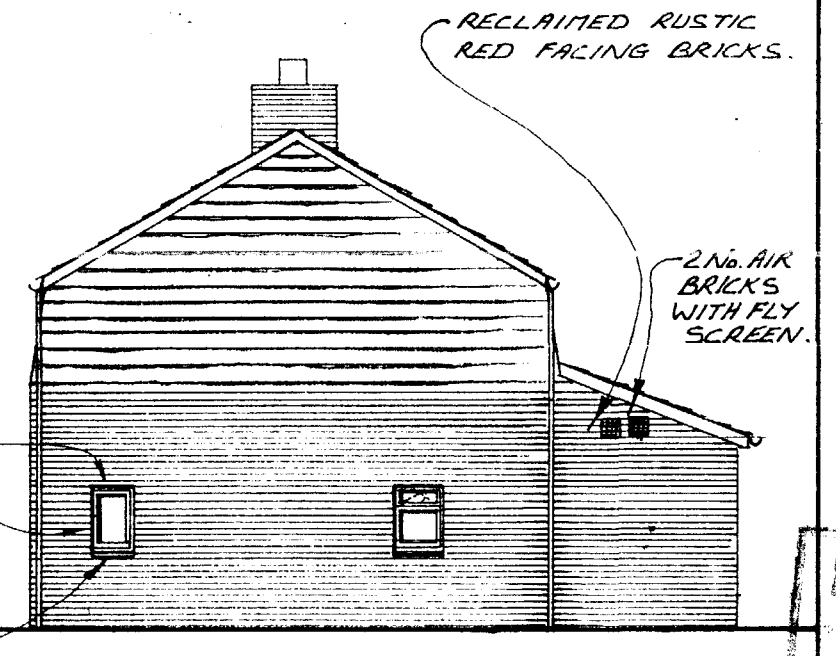
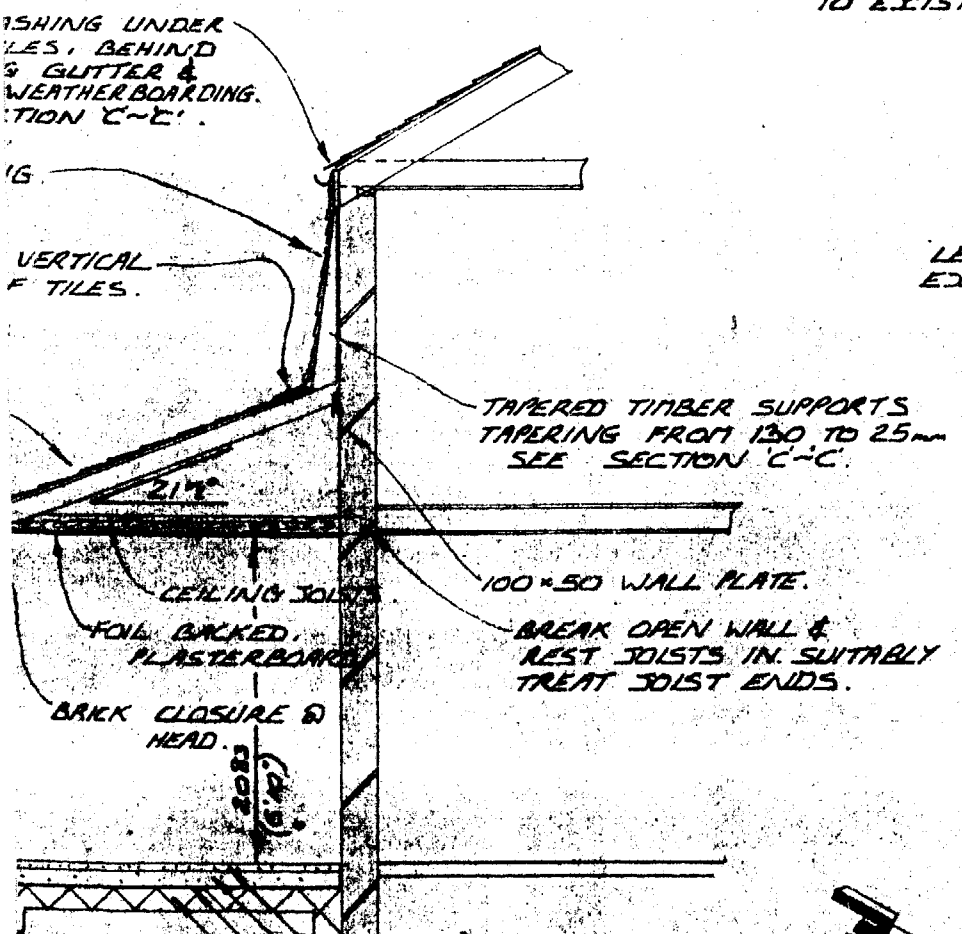
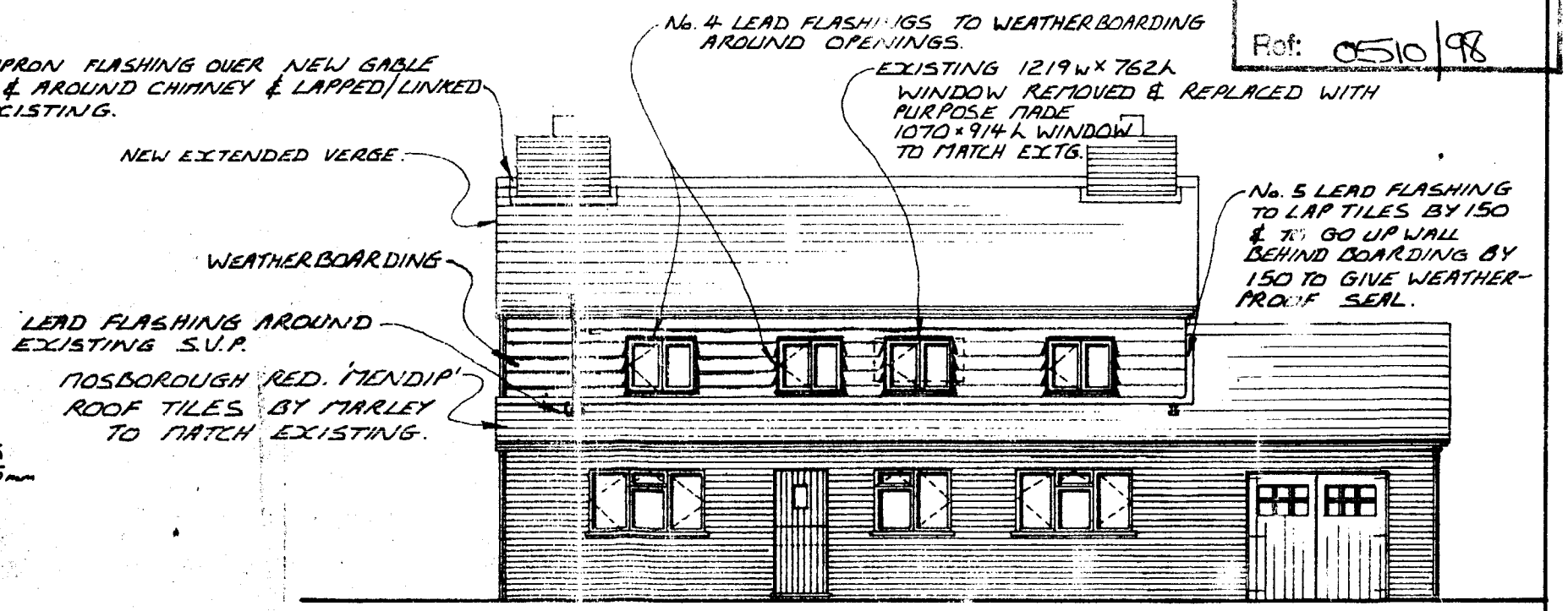
FRONT ELEVATION.



SIDE ELEVATION.

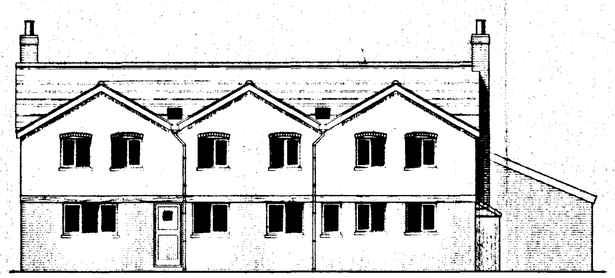
SOUTH
HOUSE
19 MAY 1998
Ref: 0510/98



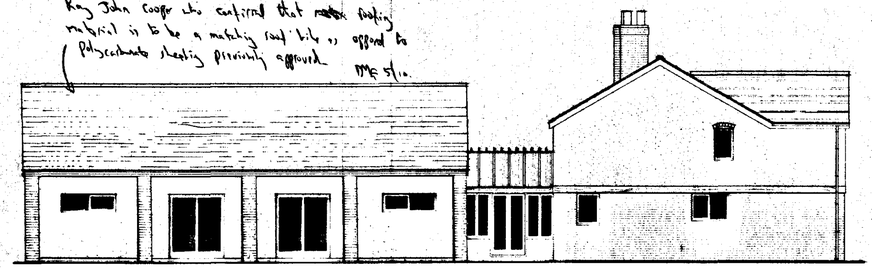


REAR ELEVATION.

EXISTING ELEVATIONS



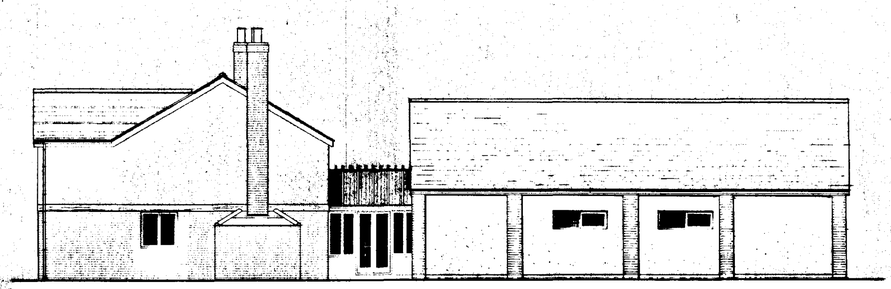
NORTH ELEVATION



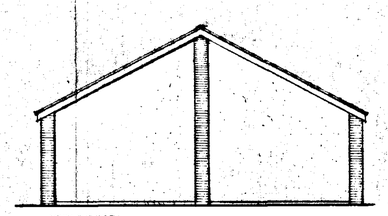
Roy John Cooper to confirm that roofing material is to be a matching roof tile, offered to Polycarbonate sheeting previously approved. MES 5/10.

WEST ELEVATION

SOUTH ELEVATION (POOL OMITTED FOR CLARITY)



EAST ELEVATION



SOUTH ELEVATION

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STANDARDS.
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Materials shall conform to appropriate British Standard Specification or BBA Certificate or European Code equivalent.

HEALTH & SAFETY.
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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 informed as necessary to carry out the works shall be deemed to be included.

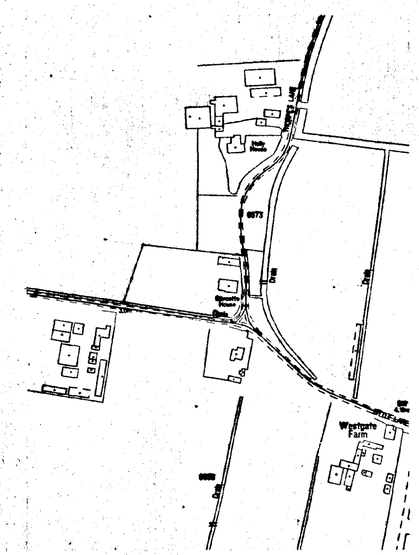
WALLING.
265 cavity wallwork to consist of floor brickwork to BS. 5921:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks: 65 cavity; build into cavity Rockwool cavity wall batten insulation boards in accord. with makers instructions and approved cert' No.85 / 1087. 100mm Tarmac Hemelite solid insulation blocks or similar: 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 all unbonded closures of cavity. Close cavities with "Thermabate" preformed closer and provide between Felt DPC to C.P. 121: External walls to have max. "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 9mm skim. Stud walls to consist of 98 x 69mm c.l.s studs at 400mm c/ c, both sides to be clad with 12.7mm plasterboard and skim. 100mm glassfibre infill between studs.

SUB STRUCTURE WALLING.
100mm dense concrete blocks to BS. 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 base of cavity no closer than 225 to DPC. All brickwork below DPC to be F.L. quality.

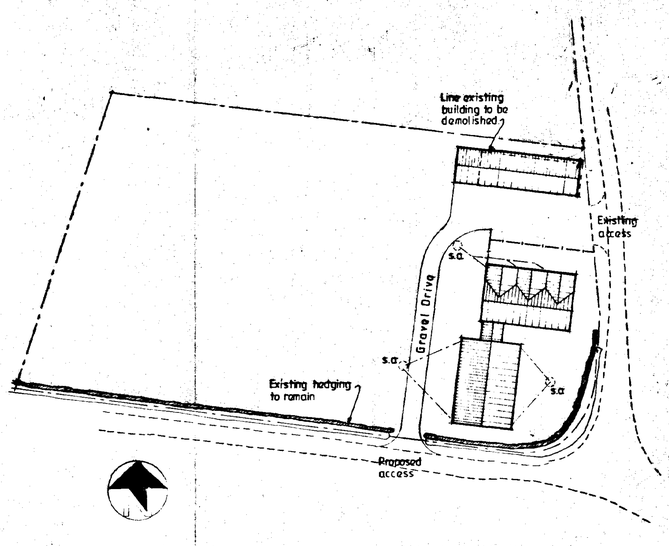
GROUND FLOOR CONSTRUCTION. (POOL ROOM)
Strip all vegetable soil and lay floor as follows: 50mm concrete pavers slabs on 500g polythene D.P.M. All on 100 concrete oversite. Concrete mix GEN4 to B.S. 5328: pt 1991 on 1200g polythene D.P.M. lapped continuous with D.P.C. 150 blinded and consolidated hardcore.

FIRST FLOOR CONSTRUCTION
19mm T&G. floorins grade chipboard on 47 x 175 @ 47 x 125 SC3 grade joists at 400c/ c @ 50 x 5 galv. steel anchor bind lateral restraint straps to joist at max. 1.5m c/ c straps to be run over min. 3No. joists with solid bridging beneath: Provide herring bone strutting min. 98 x 98 at mid span of joists where span exceeds 2.5m: Provide 2No. joists bolted together under all first floor walls where not supported on blockwork below.

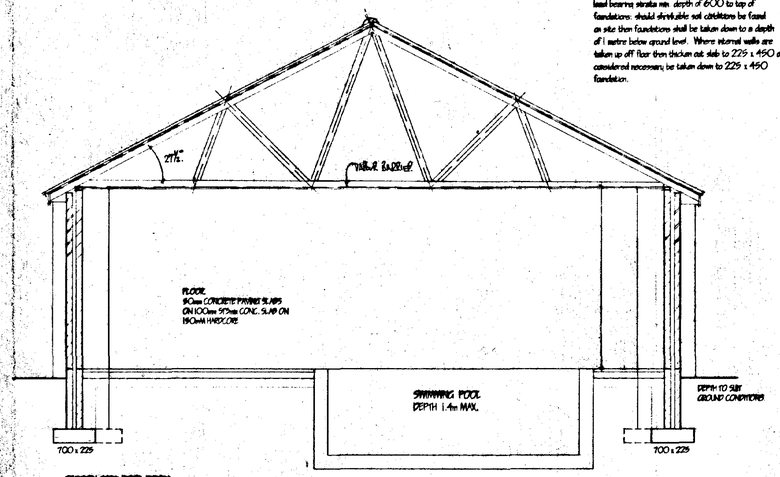
FOUNDATIONS.
Under walls as shown provide strip concrete foundations as follows: Under 265 cavity walls provide 225 x 700 and under 100 walls provide 225 x 450 all GEN4 mix to B.S. 5328: pt 1991. All foundations taken down to bear on load bearing strata min. depth of 600 to top of foundations: should 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 then thicken out slab to 225 x 450 or if considered necessary, be taken down to 225 x 450 foundation.



LOCATION PLAN 1:2500



BLOCK PLAN 1:500



SECTION THRU POOL ROOM

Architect's Plan
Rec'd A1

SOUTH HOLLAND DC
HOUSING & PLANNING
27 SEP 2000
Ref: 0518/98

revision	date	init.	revision details.

COOPER ARCHITECTURAL DESIGN
BRONHAVON, HOCKLESGATE,
FLEET, SPALDING, LINC'S. PE12 8LF
Tel/Fax : 01406 423782 Mobile 0410 290892

Client.
MRS SOMERBY

Project.
PROPOSED EXTENSION TO DORCETE HOUSE, LITTLE LANE, WHAPLODE, LINC'S.

Drawing.
ELEVATIONS / SECTION

Scale 1:50 1:100	Drawing No. 9745:2
Date. APRIL '98	Drawn. J.C.

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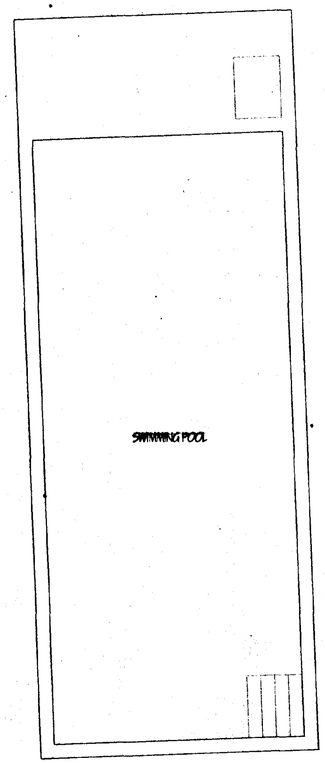
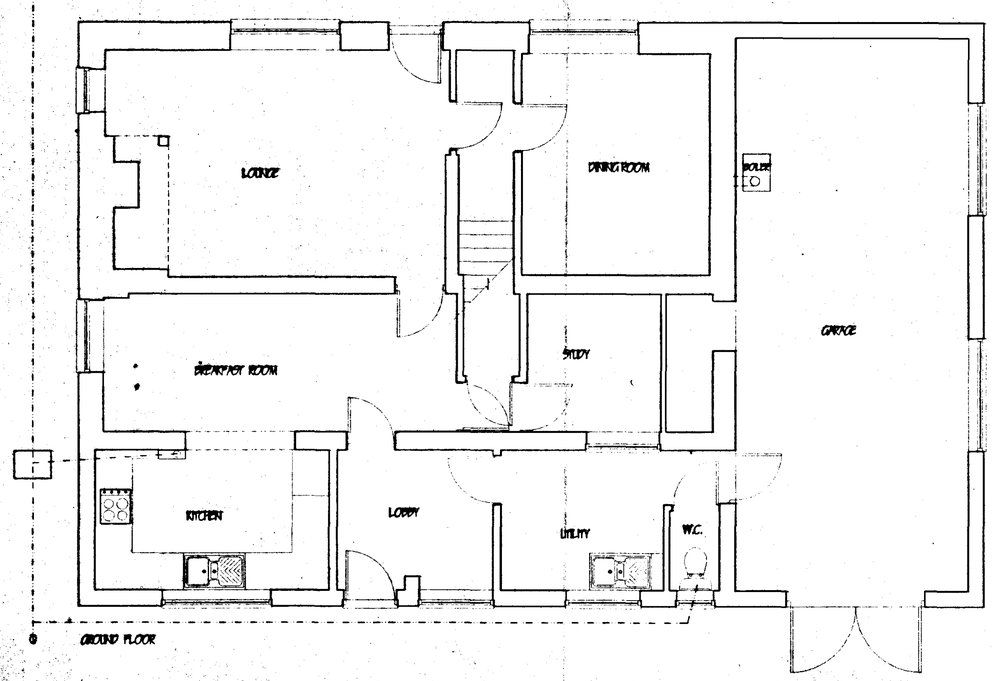
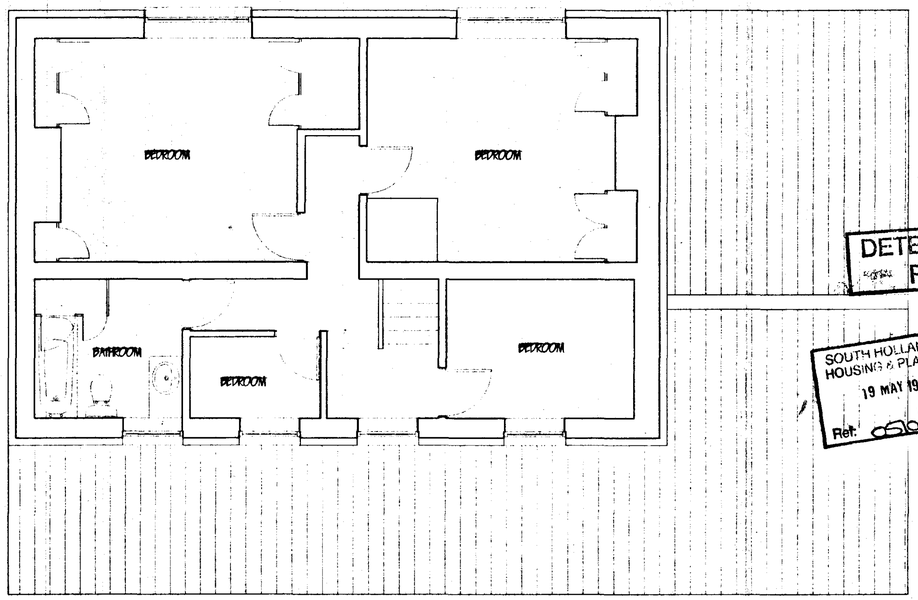


TO EXISTING SEPTIC TANK



GROUND FLOOR



FIRST FLOOR

DETERMINED PLAN

SOUTH HOLLAND DC HOUSING & PLANNING 19 MAY 1998 Ref: S/0698.

revision	date	init.	revision details.

COOPER ARCHITECTURAL DESIGN
BRONAVON, HOCKLESGATE,
FLEET, SPALDING, LINC'S PE12 6LF
Tel/Fax : 01406 423782 Mobile 0410 280892

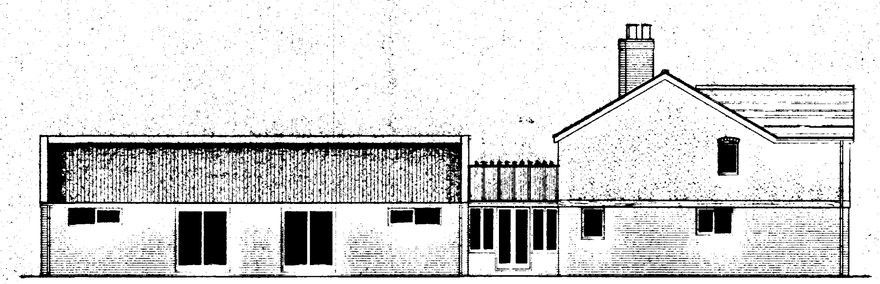
Client
MRS SOMERBY

Project
PROPOSED EXTENSION TO DORCETTE HOUSE, LITTLE LANE, WHAPLODE, LINC'S.

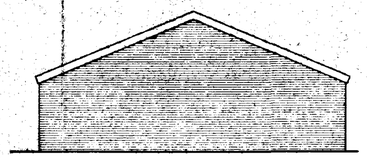
Drawing
FLOOR PLANS EXISTING.

Scale	Drawing No.
1:50	9743
Date	Drawn.
FE. '98	J.C.

NORTH ELEVATION

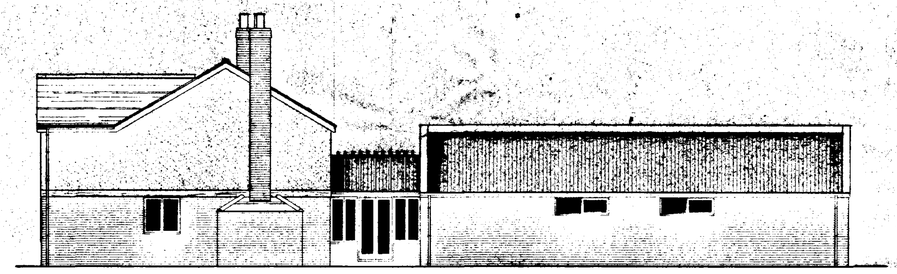


WEST ELEVATION

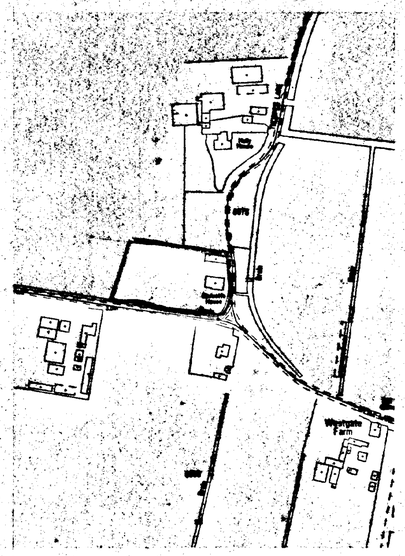


SOUTH ELEVATION

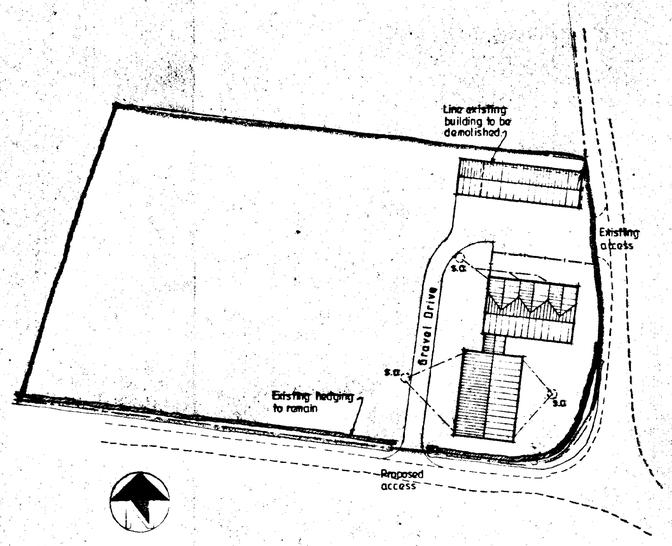
SOUTH ELEVATION (POOL OMITTED FOR CLARITY)



EAST ELEVATION



LOCATION PLAN 1:2500



BLOCK PLAN 1:500

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SCOPE OF THE WORKS.
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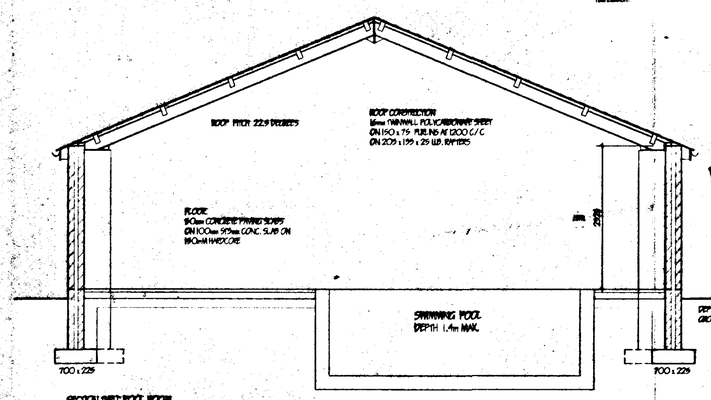
WALLING.
265 cavity walling to consist of Ibstock brickwork to B.S. 5628:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks: 65 cavity; bedd into cavity Rockwool cavity wall batts insulation boarding in accord. with makers instructions and agrement cert. No.699 / 1087. 100mm Tarmac Hemelite solid insulation blocks or similar. 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 all unbonded closures of cavity. Close cavities with "Thermabate" preformed closer and provide bitumen felt DPC to C.P. 121. External walls to have max. "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. Stud walls to consist of 98 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.

OLD 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 leave of cavity no closer than 225 to DPC. All brickwork below DPC to be F.L. quality.

GROUND FLOOR CONSTRUCTION. (POOL ROOM)
Strip all vegetable soil and lay floor as follows: 90mm concrete pavina slabs on 500g polythene D.P.M. All on 100 concrete oversite. Concrete mix GEN4 to B.S. 5928: pt 1999 on 1200g polythene D.P.M. lapped continuous with D.P.C. 150 blinded and consolidated hardcore.

FIRST FLOOR CONSTRUCTION
19mm T&G. flooring grade chipboard on 97 x 175 & 47 x 125 SC5 grade joists at 400c/ c. 90 x 9 galv. steel anchor and lateral restraint straps to joist at max. 1.9m c/ c straps to be run over min. 5No. joists with solid bridging beneath. Provide herring bone strutting min. 98 x 98 at mid span of joists where span exceeds 2.5mc Provide 2No. joists bolted together under all first floor walls where not supported on blockwork below.

FOUNDATIONS.
Under walls as shown provide strip concrete foundations as follows: Under 265 cavity walls provide 225 x 700 and under 100 walls provide 225 x 450 all GEN4 mix to B.S. 5928: pt 1999. 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 then thicken out slab to 225 x 450 or if considered necessary be taken down to 225 x 450 foundation.



SECTION THRU POOL ROOM.

DETERMINED PLAN

SOUTH HOLLAND DC HOUSING & PLANNING 19 MAY 1998 Ref: H510/98

revision	date	init.	revision details.

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

Client: MRS SOMERBY

Project: PROPOSED EXTENSION TO DORCHESTER HOUSE, LITTLE LANE, WHAPLODE, LINC'S.

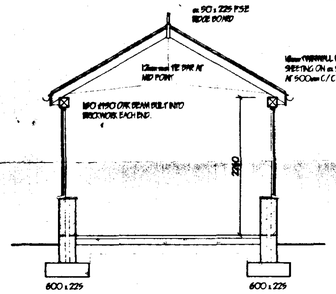
Drawing: ELEVATIONS / SECTION

Scale 1:50 1:100	Drawing No. 9745:2
Date APRIL '98	Drawn. J.C.

PITCHED ROOF CONSTRUCTION.
Interlocking concrete roof tiles to B.S. 473 part 2 1971, on 25 x 38 softwood treated battens on underfelt to B.S. 747 (type 1F) 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 rosgard to wind speed, roof pitch and exposure catagory as detailed in CP3 chapter V part 2 1972. Timberlate specialist made prefabricated roof trusses to comply with B.S. 5268 part 3 1985. TRUSS CALC'S TO BE SUBMITTED TO L/A. MIN. 28 DAYS PRIOR TO ERECTION. Trusses to be at 600c/c to a pitch of 30 deg. 38 x 100 ridge node binder. 38 x 100 cutting binders: All trusses to be strapped to wall plate by 30 x 5 galvanised metal straps acting as anchor and lateral restraint straps at max. 1.5m c/c. Note: provide solid bridging beneath straps: 90 x 100 wall plate bedded on sand and cement: 25 x 175 fascia boards: 6mm ext. grade plywood soffit complete with 10mm wide continuous air gap and fly proof screen. All structural timber to be min. SC3 grade. At roof intersections provide 25 x 100 lay boards and diminishing trusses at 600 c/c: Install code 4 lead valley liner. Close cavity at plate level.

CEILINGS.
200mm glassfibre insulation total thickness. 100mm between & 100mm over joists. 12.7mm Gyproc "Wallboard" plasterboard 3mm skim finish. Provide min. 38 x 38 nosing to all plasterboard edges. All joints to be taped and filled.

STAIRCASE AND BALUSTRADE.
Construct staircase as follows: 915 o/a x stringer Nite risers of 207mm ex. 25 x 225; 270 going ex. 32 x 250: pitch 42deg. Min. head room 2.0m measured vertical above pitch line. All in accordance with B.S. 5395:1977. Staircase to have ex. 38 x 50 shaped hardwood handrail min. 900 above pitch line. 100 x 100 softwood newel post. Gap between vertical balusters not to exceed 99mm. Handrail and balustrade to be capable of resisting the appropriate load specified in B.S. 6399: Pt. 1. Balustrade to be min. 900mm high.



SECTION A - A

FLUE CONSTRUCTION.
225mm internal diameter clay flue liners to B.S. 1181: 1971 and to be laid socket uppermost: 100 face brickwork surround to flue and to extend min. 600mm above ridge line and terminate in corbelled out brickwork and clay pot: Weak mix. conc. infill around flue as work proceeds: 1mm roof around flue, no timber within 40mm of flue: At roof/flue intersection provide code 4 lead flashing and 2 course engineering bricks.

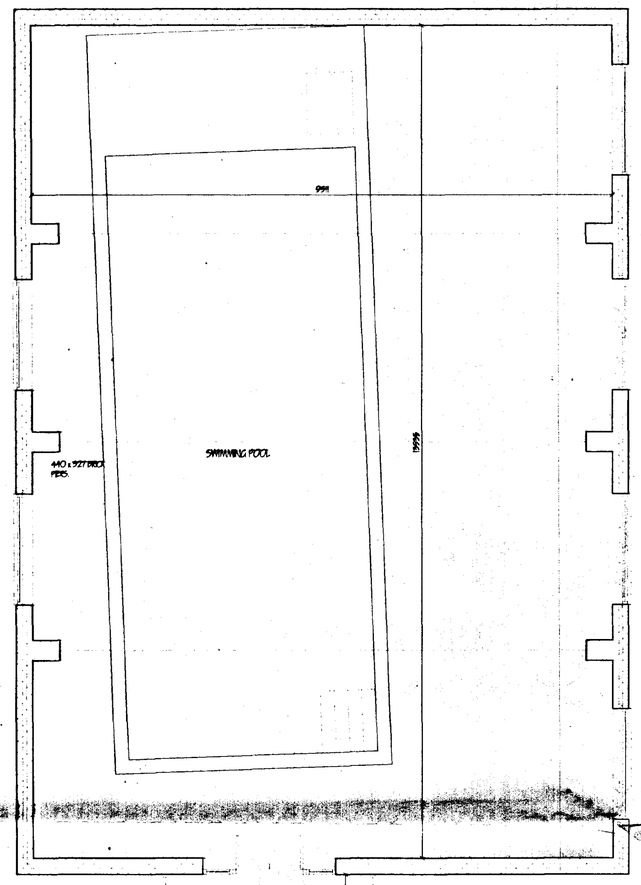
OPEN FIRE.
To be capable of burning smokeless fuel: Hearth to be constructed of non combustible material min. 125mm thick: To project from face of wall by min. 500mm and pass reveals by min. 150mm: All in accordance with approved document part J. (part C 1-29). Appliance to be in accordance with building regulations. Provide lowered permanent vent in ext. wall to give min. 50% of the appliance throat opening area positioned 150 above flue level. Provide 65 x 100 prestressed conc. lintel over chimney opening.

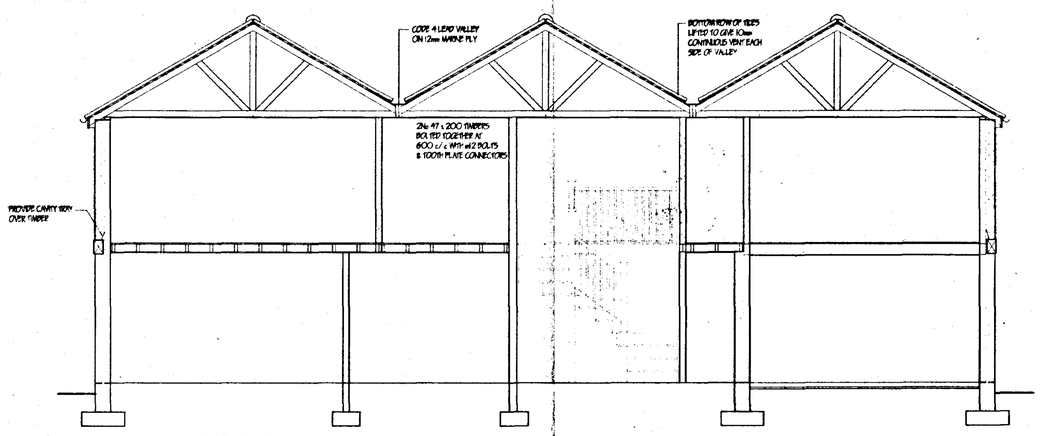
LINTELS.
All lintels to be manufactured by Messrs. I.G. and to be installed in accordance with makers' instructions, and to have min. end bearins of 150mm and at external positions to have cavity tray D.P.C. to CP. 121: Internal lintels to be I.G. 100 Box type.

FOUL DRAINAGE
Inspection chamber construction to be "Osmel" 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: Provide 65 x 100 prestressed concrete lintel bridging where pipes pass through walls, allow 50mm gap around pipe, openins sealed both sides of wall with ridged sheet material: Soil and vent pipes to be 100mm int. dia. PVC to B.S. 4514: 1989 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 roddins eyes at every chanse of direction: Bath, basins and sink to have 75 deep seal traps: Shower to be raised on 150mm plinth with access plate to anti-syphon trap and 50mm waste.

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 1.2m dia. soakaway, min. 5.0m to adge from dwellins.

GLAZING.
Double glaze properly throughout (minimum 12mm air gap to all units) All glazins 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.

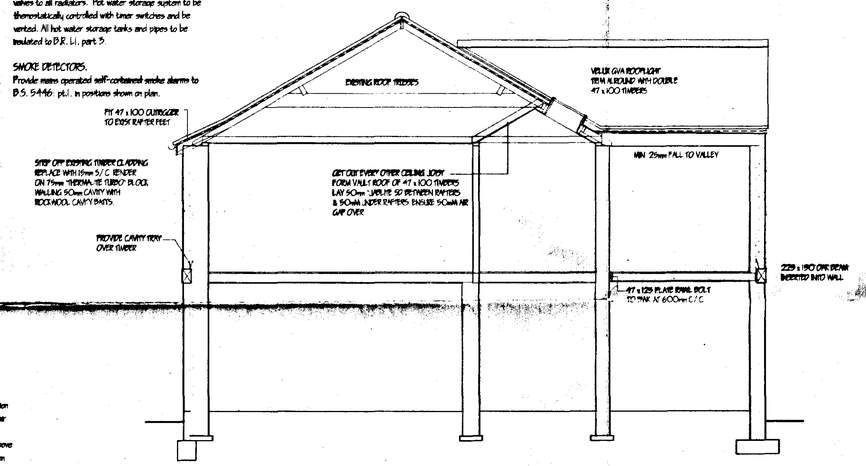




SECTION B - B

HOT WATER AND SPACE HEATING.
Reposition existing oil fired boiler. Provide timer switch and suitable thermostat to dwelling or fit thermostatic valves to all radiators. Hot water storage system to be thermostatically controlled with timer switches and be vented. All hot water storage tanks and pipes to be insulated to B.R. LI. part 3.

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



SECTION A - A.

VENTILATION.
All windows to have openins lights to give the equivalent of 1/20th the floor area. Provide background ventilation to habitable rooms min. 6000mm sq permanent, 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.

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The works will not be supervised or inspected on site by C.A.D. 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.
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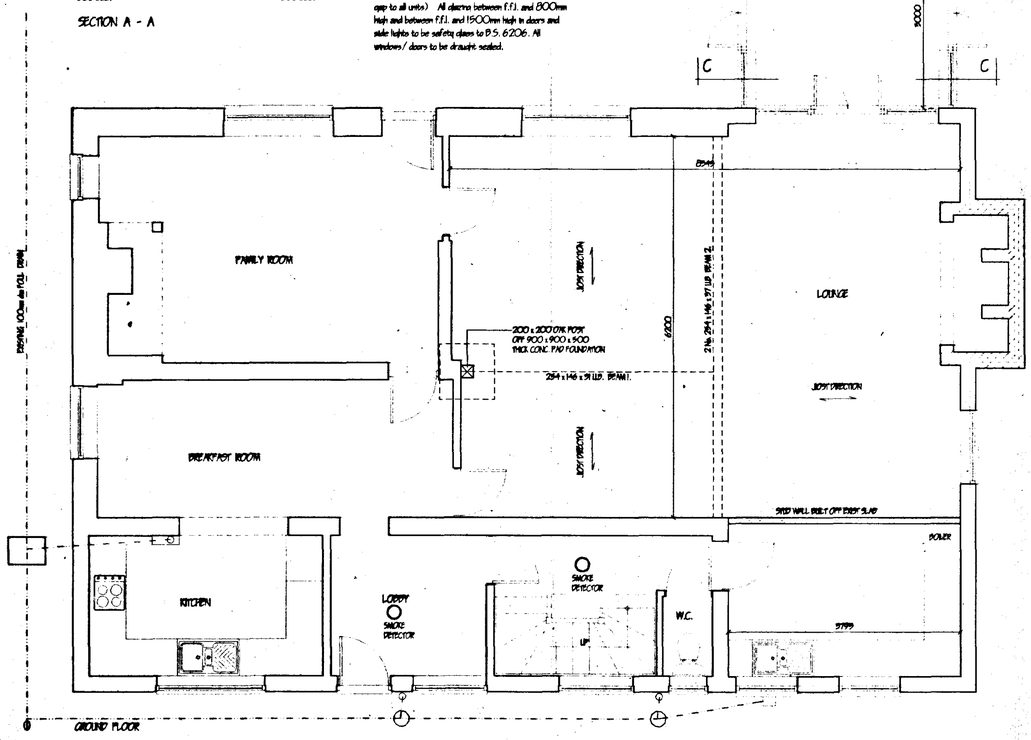
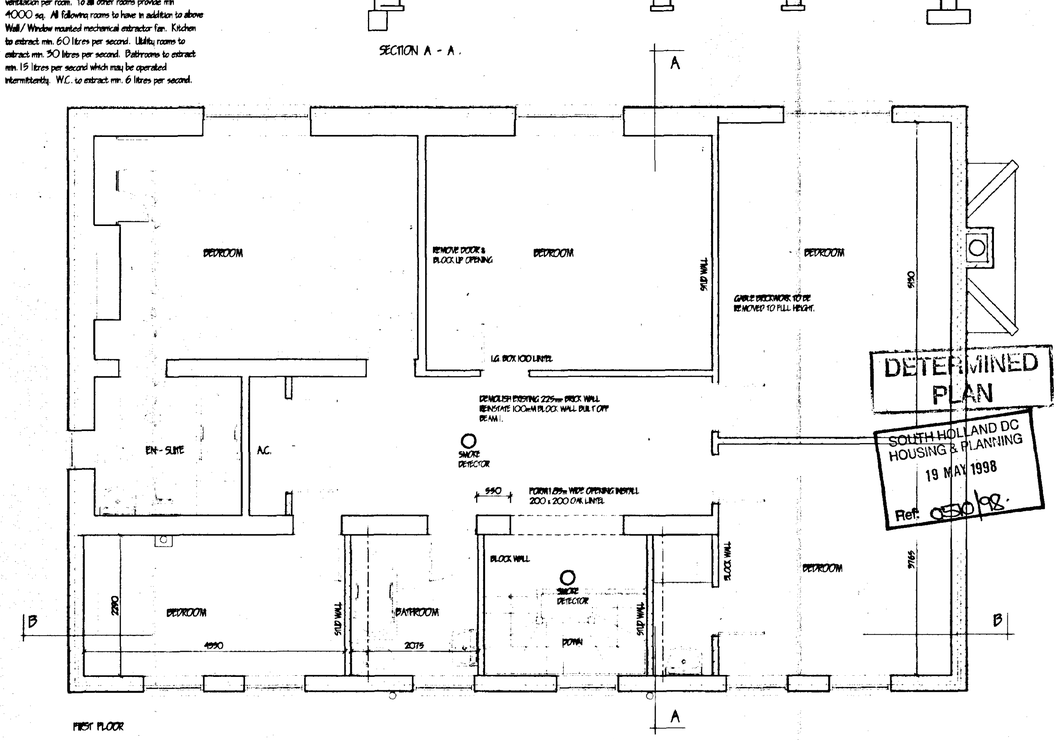




DETERMINED PLAN
SOUTH HOLLAND DC HOUSING & PLANNING
19 MAY 1998
Ref: S/98/

revision	date	init	revision details.

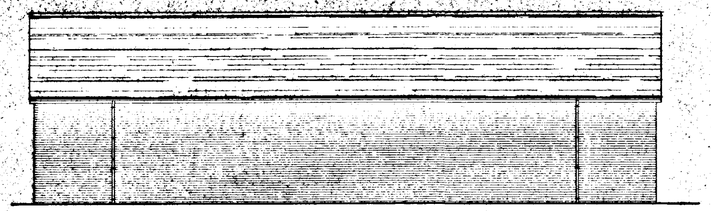
COOPER ARCHITECTURAL DESIGN
BRONAGH, HOCKLESGATE,
FLEET, SPALDING, LINC'S. PE12 8LF
Tel/Fax : 01406 423762 Mobile 0410 290852

MRS SOWERBY

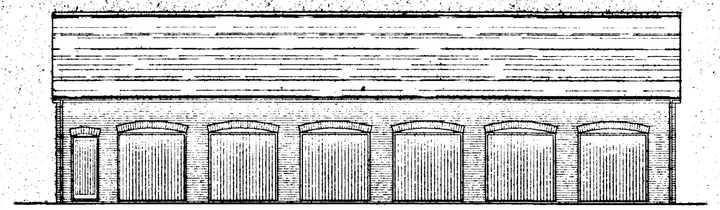
Project.
PROPOSED EXTENSION TO DORCETTE HOUSE, LITTLE LANE, WHAPLODE, LINC'S.

Drawing.
FLOOR PLANS / SECTIONS PROPOSED.

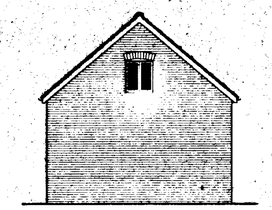
Scale	1:50	Drawing No.	9743:1
Date	APRIL '98	Drawn.	J.C.



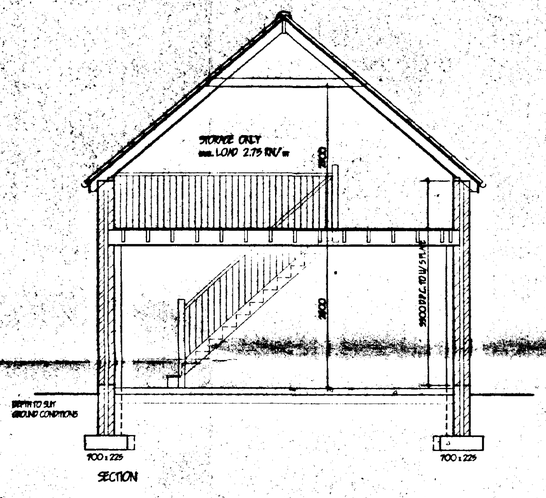
NORTH ELEVATION



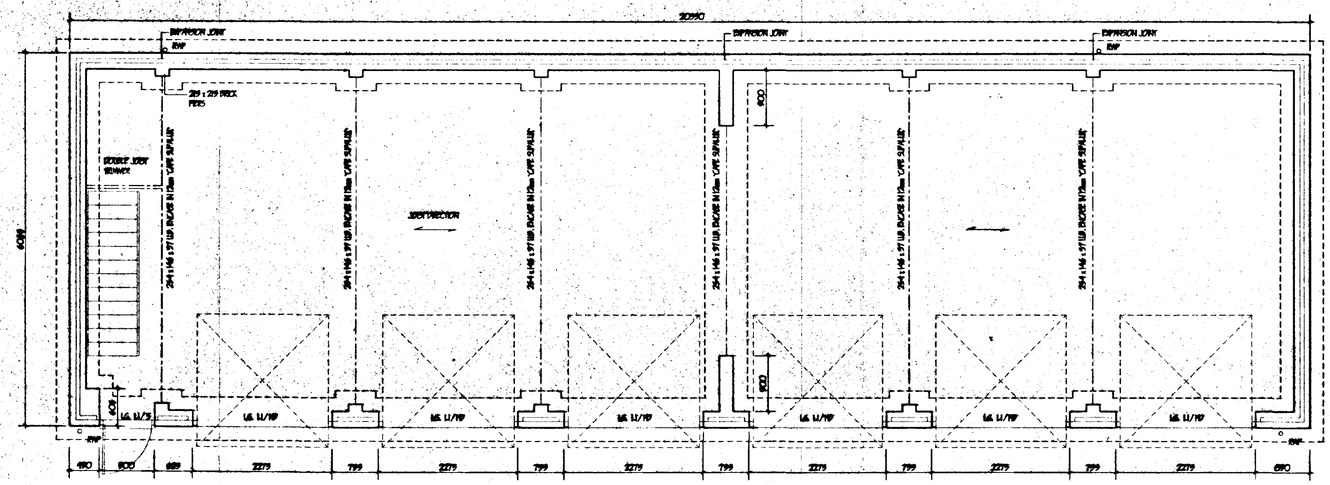
SOUTH ELEVATION



EAST/ WEST ELEVATIONS



SECTION


20990
EXPANSION JOINT
EXPANSION JOINT
EXPANSION JOINT
EMP
EMP
EMP
EMP
215 x 215 BRICK PIERS
DOUBLE DOOR OPENING
6000
2134 x 1140 x 97 UB. RAGGED W 215mm CAVITY SUPPLIER
2134 x 1140 x 97 UB. RAGGED W 215mm CAVITY SUPPLIER
2134 x 1140 x 97 UB. RAGGED W 215mm CAVITY SUPPLIER
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2134 x 1140 x 97 UB. RAGGED W 215mm CAVITY SUPPLIER
2134 x 1140 x 97 UB. RAGGED W 215mm CAVITY SUPPLIER
DOOR DIRECTION
6000
2400
1200
UB. 11/19
UB. 11/19
UB. 11/19

PITCHED ROOF CONSTRUCTION.
Interlocking concrete roof tiles to B.S. 473 part 2 1971, on 25 x 38 softwood treated battens on underfelt to B.S. 747 Type 1F) 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 CP3 chapter V part 2 1972. Terneplate specialist made prefabricated roof trusses to comply with B.S. 5268 part 3 1985. TRUSS CALC'S TO BE SUBMITTED TO L/A. MIN. 28 DAYS PRIOR TO ERECTION. Trusses to be at 600c/c to a pitch of 30 deg. 38 x 100 rafter node binder. 38 x 100 ceiling binders. All trusses to be strapped to wall plate by 30 x 5 galvanised metal straps acting as anchor and lateral restraint straps at max. 1.5m c/c. Note: provide solid bridging beneath straps. 50 x 100 wall plate bedded on sand and cement. 25 x 175 fascia boards. 6mm ext. grade plywood soffit complete with 10mm wide continuous air gap and fly proof screen. All structural timber to be min SC3 grade. At roof intersections provide 25 x 100 lay boards and diminishing trusses at 600 c/c : Install code 4 lead valley liner. Close cavity at plate level.

CEILINGS.
200mm clear fibre insulation total thickness. 100mm between & 100mm over Joists. 12.7mm Gyproc "Wallboard" plasterboard 3mm skim finish. Provide min 38 x 50 noggins to all plasterboard edges. All joints to be taped and filled.

STAIRCASE AND BALUSTRADE.
Construct staircase as follows: 999 o/a straight flight, risers of 207mm on 25 x 229. 270 going on 32 x 250 pitch 42deg. Min. head room 2.0m measured vertical above pitch line. All in accordance with B.S. 5395:1977. Staircase to have an 38 x 50 shaped hardwood handrail min. 900 above pitch line. 100 x 100 softwood newel post. Gap between vertical balusters not to exceed 99mm. Handrail and balustrade to be capable of resisting the appropriate load specified in B.S. 6399: Pt. 1. Balustrade to be min. 900mm high.

FLUE CONSTRUCTION.
225mm internal diameter clay flue liners to B.S. 1181: 1971 and to be laid socket uppermost: 100 face brickwork surround to flue and to extend min. 600mm above ridge line and terminate in corbelled oak brickwork and clay pot. Weak mix. conc. infill around flue as work proceeds. Trim roof around flue, no timber within 40mm of flue. At roof / flue intersection provide code 4 lead flashing and 2 course oversailing bricks.

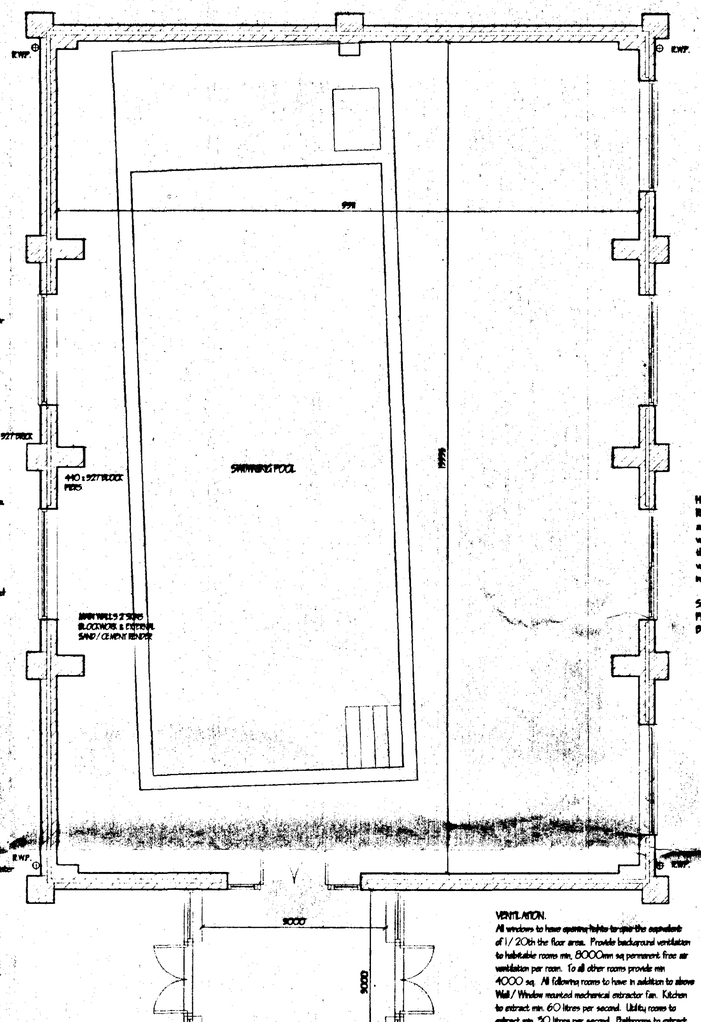
OPEN FIRE.
To be capable of burning smokeless fuel. Hearth to be constructed of non combustible material min. 125mm thick. To project from face of wall by min. 500mm and years reveals by min. 150mm. All in accordance with approved document part J. (part C 1-25). Appliance to be in accordance with builders regulations. Provide louvered permanent vent in ext. wall to give min. 50% of the appliance throat opening area positioned 150 above floor level. Provide 65 x 100 prestressed conc. lintel over chimney opening.

LINTELS.
All lintels to be manufactured by Wessex. L.G. and to be installed in accordance with makers' instructions, and to have min. end bearins of 150mm and at external positions to have cavity tray D.P.C. to CP. 121. Internal lintels to be L.G. 100 Box type.

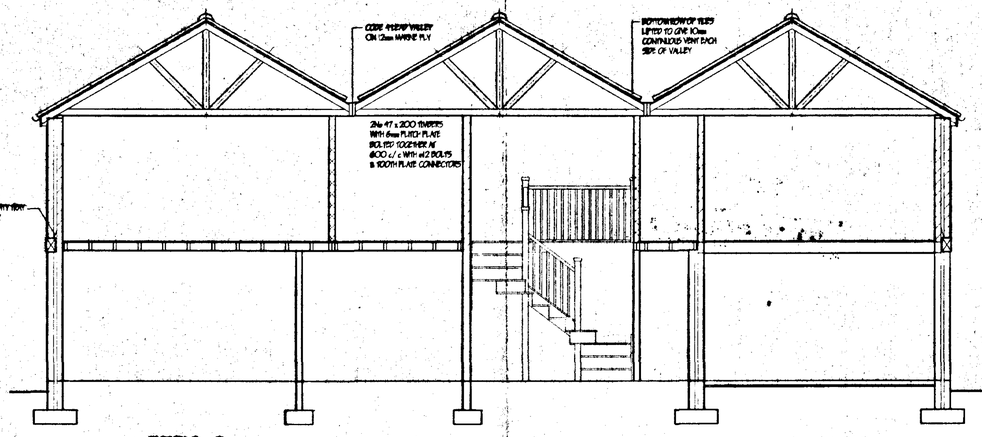
FOUL DRAINAGE
Inspection chamber construction to be "Osmal" and installed in accordance with makers' instructions with the internal diameter related to the depth in accordance with B.S. 8301:1985. Foul drainage pipes to be 100mm dia. UPVC. to B.S. 4660:1989 flexibly jointed and laid to makers' instructions to a fall of 1:70 laid and surround with 100mm pea gravel: Provide 65 x 100 prestressed concrete lintel bridging where pipes pass through walls, allow 50mm gap around pipe, opening masked both sides of wall with raked short material. Soil and vent pipes to be 100mm nit. dia. PVC to B.S. 4514: 1989 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 resisting eyes at every change of direction: Bath, basins and sink to have 75 deep seal traps: Shower to be raised on 150mm plinth with access plate to anti-suption trap and 50mm waste.

SURFACE WATER DRAINAGE.
115 dia. half round rainwater gutters to BS / RCMA. rainwater pipes 110 dia. underground pipes flexibly joined to a fall of 1:70 pipes bedded and surrounded in pea gravel and discharge to 1.2m dia. soakaway, min. 5.0m to edge from dwelling.

GLAZING.
Double glass: preferably throughout (minimum 12mm air gap to all units) All glazing between f.f.l. and 800mm high and between f.f.l. and 1500mm high in doors and side lights to be safety glass to B.S. 6206. All windows / doors to be draught sealed.



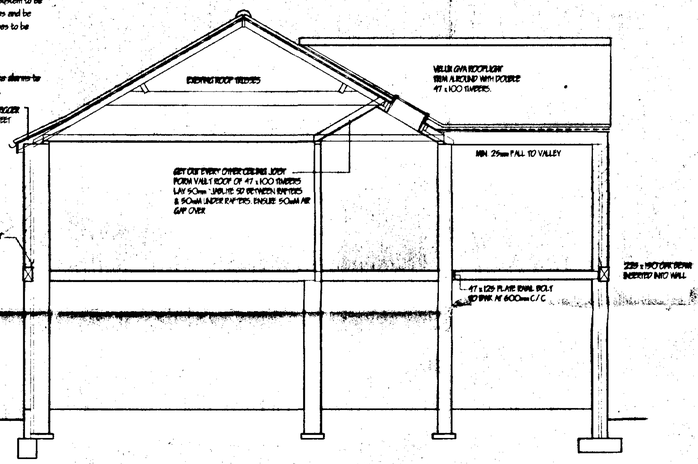
VENTILATION.
All windows to have opening lights to give the equivalent of 1/20th the floor area. Provide background ventilation to habitable rooms min. 8000mm sq permanent free air ventilation per room. To all other rooms provide min 4000 sq. All following rooms to have in addition to above Wall / Window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



SECTION B - B

HOT WATER AND SPACE HEATING.
Reposition existing oil fired boiler. Provide timer switch and suitable thermostats to dwelling or fit thermostatic valves to all radiators. Hot water storage system to be thermostatically controlled with timer switches and be vented. All hot water storage tanks and pipes to be insulated to B.R. LI. part 9.

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



SECTION A - A

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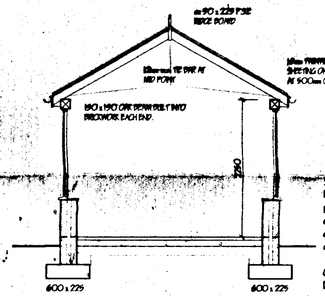
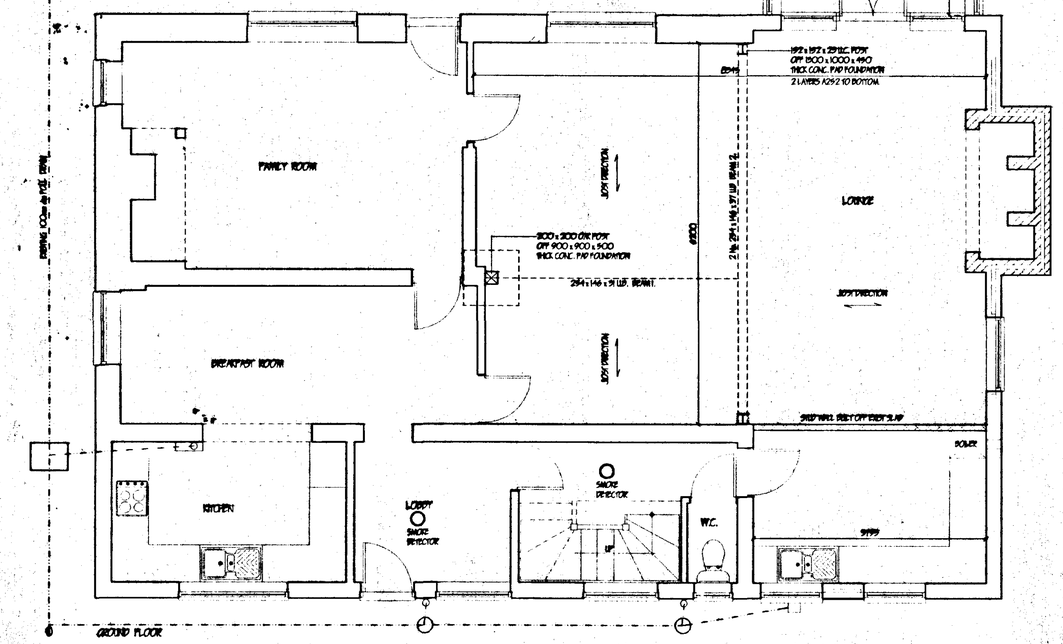
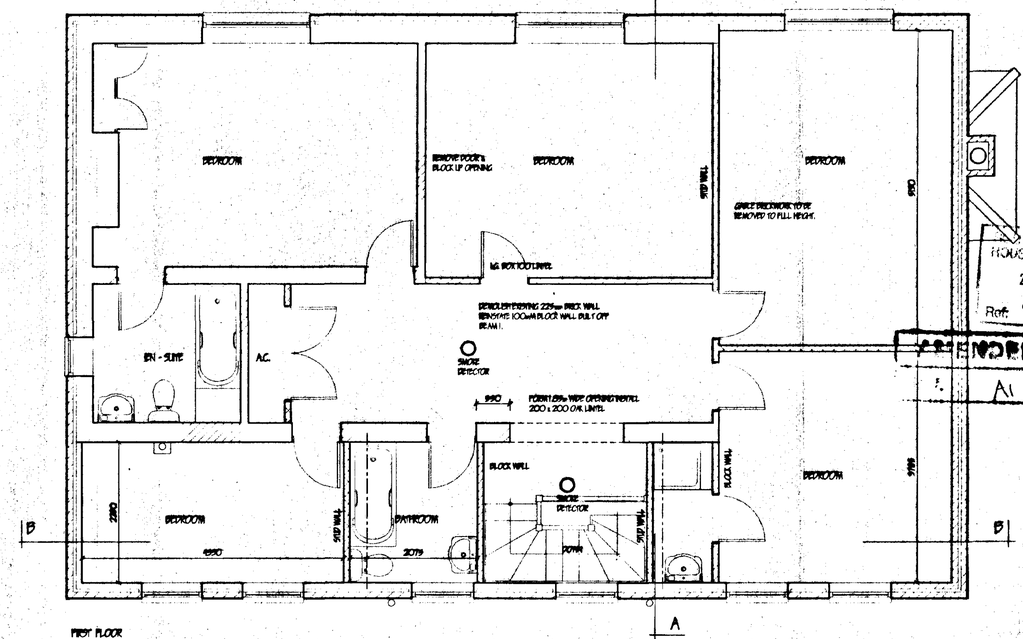


SECTION A - A



GROUND FLOOR



FIRST FLOOR

COOPER ARCHITECTURAL DESIGN
BROMHON, HOCKLESGATE,
FLEET, SPALDING, LINC'S. PE12 6LF
Tel/Fax : 01406 423782 Mobile 0410 290892

revision	date	init.	revision details.
A	JUNE '98	J.C.	BUILDING REGS AMENDMENTS
B	SEPT '00	J.C.	SWIMMING POOL CONSTRUCTION

SOUTH HOLLAND DC HOUSING & PLANNING 27 SEP 2000 Ref: 0510/98/...

AMENDED PLANS MRS SOWERBY

Project
PROPOSED EXTENSION TO DORCETTE HOUSE, LITTLE LANE, WHAPLODE, LINC'S.

Drawing.
FLOOR PLANS / SECTIONS PROPOSED.

Scale 1:50	Drawing No. 9745:1B
Date APRIL '98	Drawn. J.C.