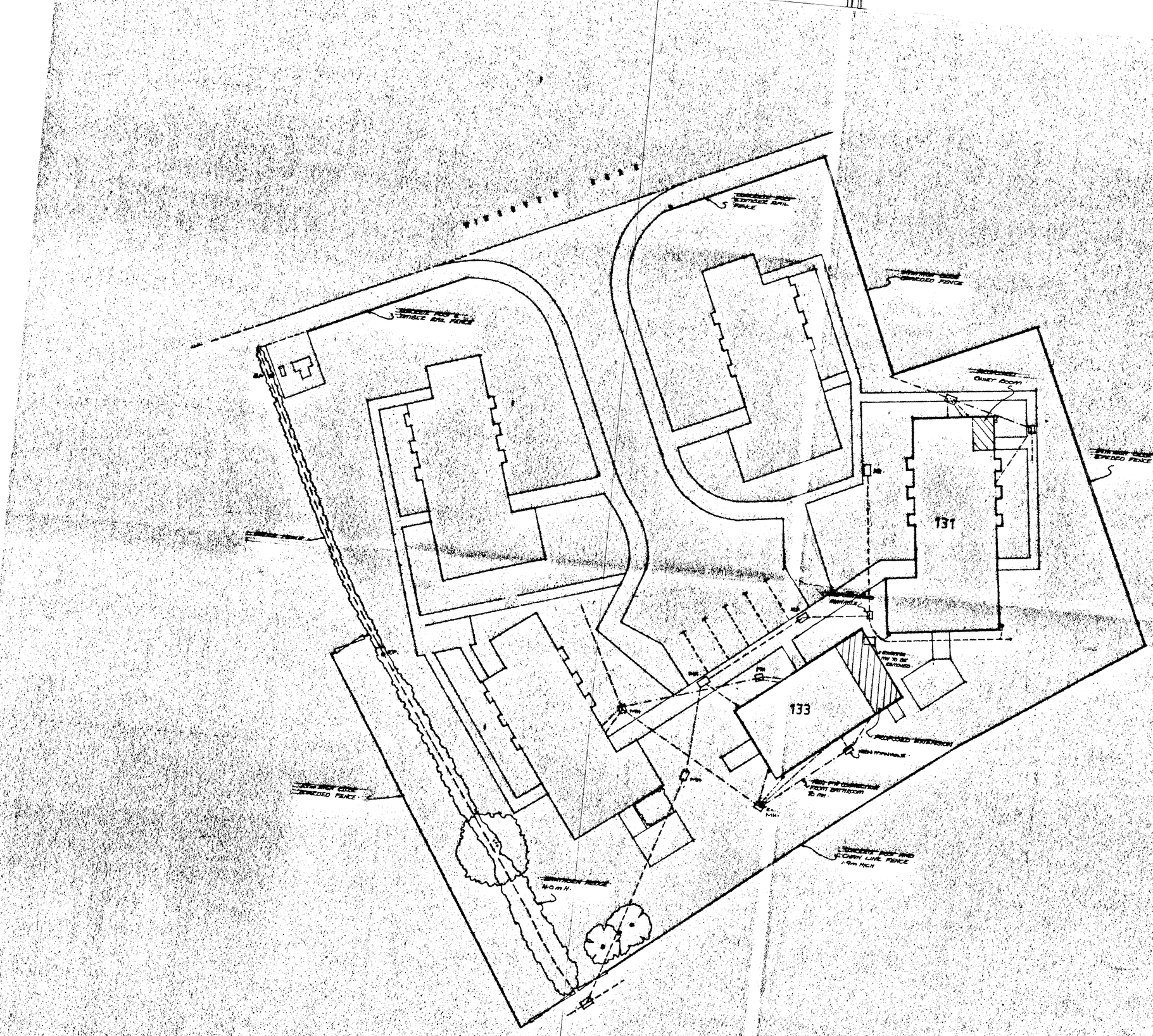


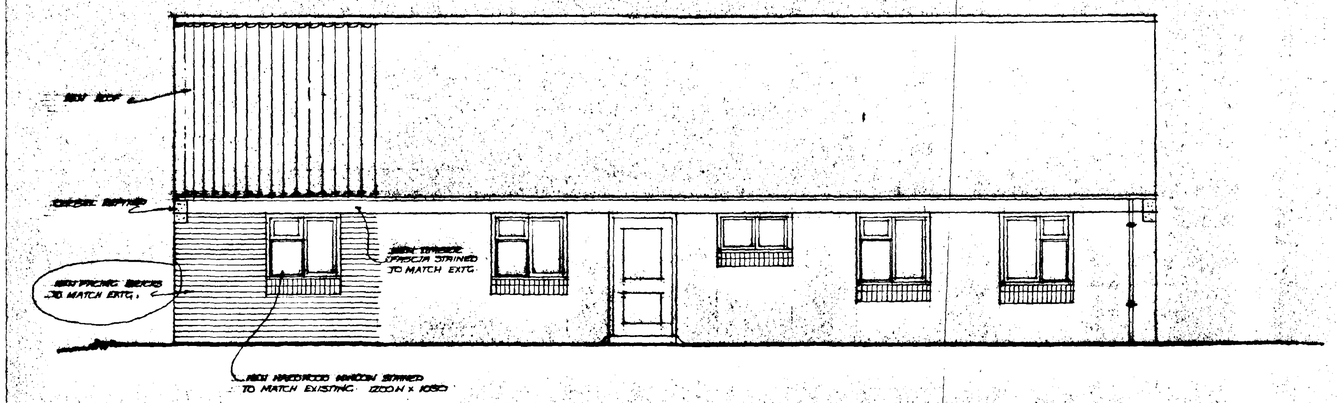
SOUTH HOLLAND HOUSING & PLANNING
30 JAN 1996
Ref: S96/154

job
PROPOSED EXTENSIONS AND ALTERATIONS TO 131 133 WINSOVER ROAD SPALDING

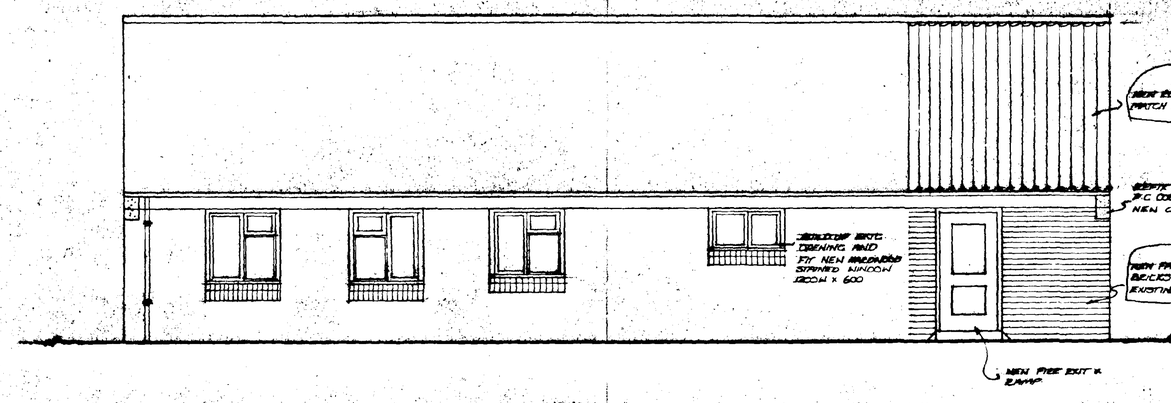
for
THE MULBERRY TRUST

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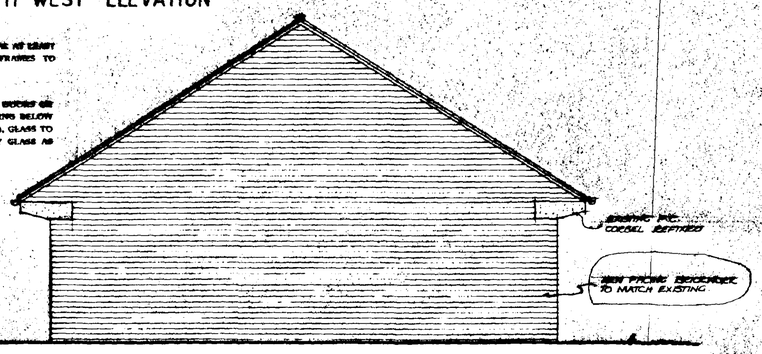
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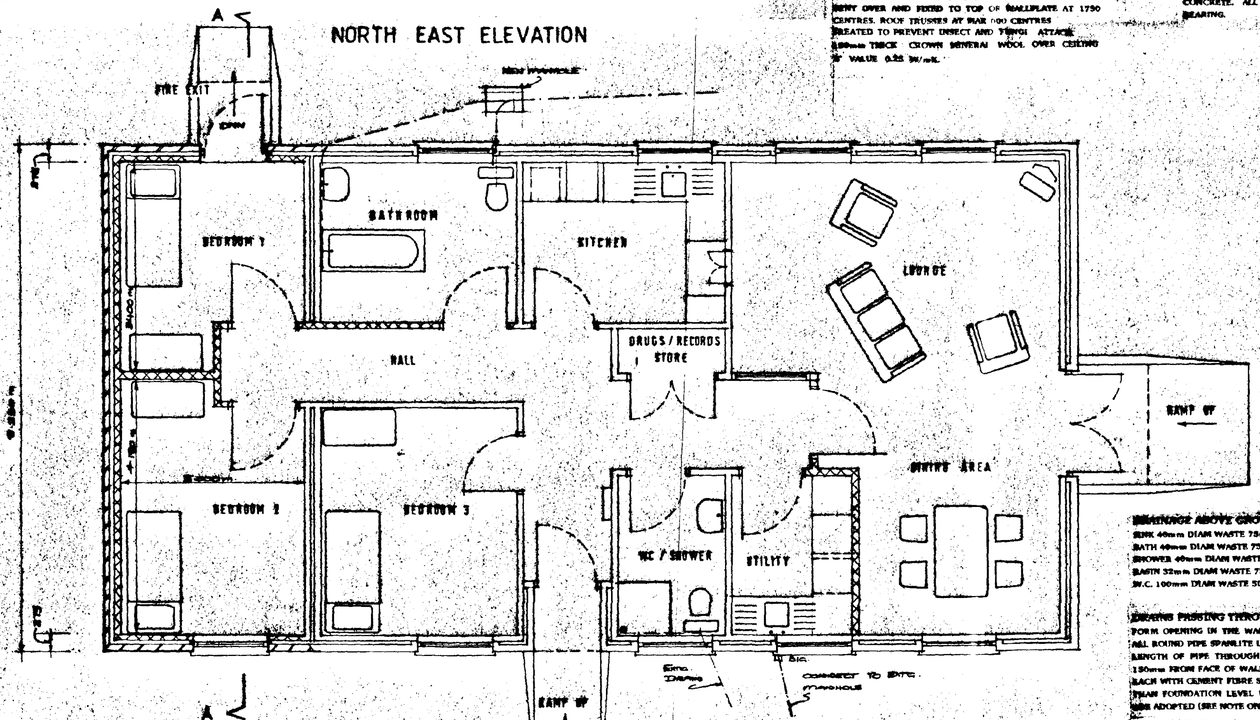
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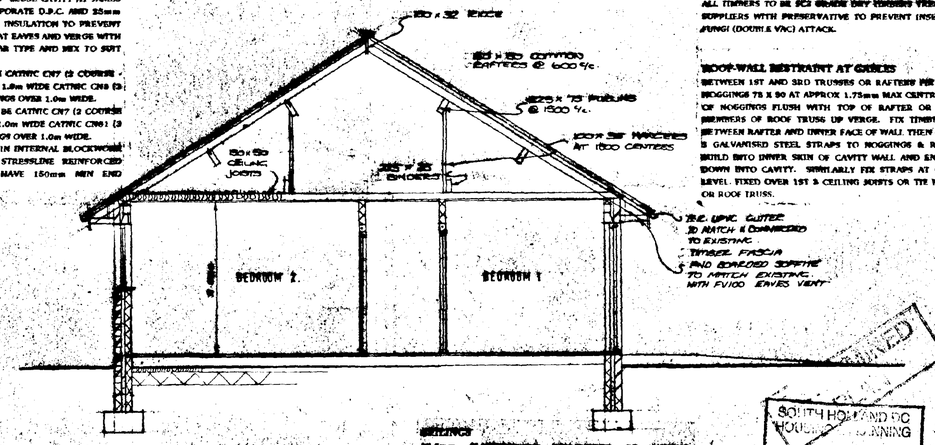
SOUTH EAST ELEVATION



NORTH EAST ELEVATION



GROUND FLOOR PLAN



SECTION A-A

WINDOWS

ALL DOUBLE GLAZED OVER CASUALTY TO BE MINIMUM OF LEAST 1/20th FLOOR AREA OF ROOM. TOP OF FRAMES TO INCORPORATE HIT AND MISS TRICKLE VENTS.

GLAZING

ANY GLAZED DOORS OR GLAZED APERTURES OF WORKS OR GLAZED PANELS AT THE SIDE OF DOORS, GLAZING BELOW 800mm ABOVE FLOOR LEVEL (INCLUDING CILLS), GLASS TO BE TOUGHENED SHEET OR LAMINATED SAFETY GLASS AS DEFINED IN B.S. 6206 1981

VENTILATION

KITCHEN:- EXTRACT FAN CAPABLE OF EXTRACTING 60 LITRES/SEC. FAN TO BE REPLAIR EXCO WALL FAN. BOTH FANS WITH BACK SHUTTER LEFT OPEN. PROVIDE 4000mm² TRICKLE VENTILATION. BOTH FANS ARE CAPABLE OF EXTRACTING AT LEAST 20 LITRES/SEC.

BATHROOM:- EXTRACT FAN REPLAIR DX200 THROUGH WALL FAN CAPABLE OF EXTRACTING 15 LITRES/SEC. FAN TO HAVE 15 MIN OVERRUN (APPLIES TO ENSUITE BATHROOM ALSO).

OTHER HABITABLE ROOMS:- WINDOW OPENING LIGHTS TO EQUAL AT LEAST 1/20th OF THE FLOOR AREA OF ROOM. ALSO BACKGROUND VENTILATION PROVIDED BY MEANS OF A CONTROLLABLE TRICKLE VENTILATOR HAVING A TOTAL AREA OF 4000mm² E.G. TRITON TRIMVENT HIT AND MISS VENT WITH CANOPY REF MH009 OR GLIDEVALE CANOPY TRICKLE REF TVC06 USED IN CONJUNCTION WITH HIT AND MISS VENT REF TVH04.

W.C's

EXTRACT FAN CAPABLE OF EXTRACTING 6ltr/sec AT A RATE OF NOT LESS THAN 3 AIR CHANGES PER HOUR. MAY BE OPERATED INTERMITTENTLY WITH 15 MINUTE OVERRUN.

PITCHED ROOF

600 x 50 SCB GRADE TIMBER WALLPLATE TREATED TO PREVENT INSECT AND FUNGI ATTACK. FIXED TO WALL WITH 30 x 5 GALVANIZED STEEL STRAPS FIXED TO WALL END BENT OVER AND FIXED TO TOP OF WALLPLATE AT 1790 CENTRES. ROOF TRUSSES AT 838 c/c MAX 600 CENTRES TREATED TO PREVENT INSECT AND FUNGAL ATTACK. 100mm THICK CROWN MINERAL WOOL OVER CEILING 'U' VALUE 0.25 W/m²K.

BRICKWORK ABOVE GROUND

SINK 40mm DIAM WASTE 75mm DEEP TRAP
BATH 44mm DIAM WASTE 75mm DEEP TRAP
SHOWER 40mm DIAM WASTE 75mm DEEP TRAP
BASIN 32mm DIAM WASTE 75mm DEEP TRAP
W.C. 100mm DIAM WASTE 50mm WATER SEAL

DRAINS PASSING THROUGH WALL

FORM OPENING IN THE WALL TO GIVE 50mm CLEARANCE ALL ROUND PIPE SPANLITE LINTELS OVER OPENING. SHORT LENGTH OF PIPE THROUGH OPENING FLEXIBLE JOINT AT 150mm FROM FACE OF WALL EACH SIDE OPENING BACKED EACH WITH CEMENT FIBRE SHEET. NO DRAIN TO BE LOWER THAN FOUNDATION LEVEL UNLESS SPECIAL PRECAUTIONS ARE ADOPTED (SEE NOTE ON DRAWING).

DRAINAGE BELOW GROUND

MEPSELVE BACK INLET GULLIES ONTO LOW-BACK TRAP BED AND SURROUND IN 150mm CONCRETE. 100mm DIAM SUPERSLEVE PIPES WITH PLASTIC FLEXIBLE CONNECTORS 1:40 FALL OR AS STATED ON DRAWING. MANHOLES BUILT IN 225mm CLASS 'B' ENGINEERING BRICKS OFF 150mm CONCRETE BASE 1:3 SAND CEMENT MORTAR BENCHING BRITISH STANDARD DUCTILE IRON MANHOLE COVER AND FRAME TO B.S. 497 GRADE C 600 X 600 UNLESS STATED OTHERWISE ON DRAWING. BED AND HAUNCH IN MORTAR. APPLY GREASE TO FRAME REBATE. (NOTE: THIS COVER TO BE USED ONLY IN AREA WHERE NO VEHICLES OCCUR).

INTERNAL NON-LOADBEARING BLOCKWORK WALLS

BUILT OFF CONCRETE SLAB. PROVIDE 500mm LAYER OF A393 MESH REINFORCEMENT UNDER WALL CAST IN CONCRETE 40mm COVER.

WALLS

EXTERNAL CAVITY WALLS: 100 FACING BRICK OUTER SKIN, 50mm CAVITY FILLED WITH 50mm FIBREGLASS 'DRITHERM' FIXED STRICTLY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. 100mm BLOCKWORK INNER SKIN COMPRESSIVE STRENGTH 2.8N/mm² (UP TO 2 STOREYS). BLOCKWORK TO BE SUITABLE TO RECEIVE PLASTER FINISH 13mm THICK. STAINLESS STEEL WIRE TIES EVERY 6TH COURSE (EVERY 4TH COURSE AT OPENINGS AND WHERE WALL ABUTT BRICK. WALLS). TIES SPACED 900mm HORIZONTALLY AND STAGGERED. CLOSE CAVITY AT JAMBS AND CILLS OF OPENINGS INCORPORATE D.P.C. AND 25mm THICK STYROFOAM RIGID SHEET INSULATION TO PREVENT COLD BRIDGING. CLOSE CAVITY AT EAVES AND VERGE WITH CUT BRICK OR TILENOTS: MORTAR TYPE AND MIX TO SUIT BRICKS AND BLOCKS.

LINTELS IN CAVITY WALLS TO BE CATNIC CN7 (2 COURSE - 150 DEEP) FOR OPENINGS UP TO 1.0m WIDE CATNIC CN8 (3 COURSES - 225 DEEP) FOR OPENINGS OVER 1.0m WIDE.

LINTELS IN 225 SOLID WALLS TO BE CATNIC CN7 (2 COURSE 150 DEEP FOR OPENINGS UP TO 1.0m WIDE CATNIC CN81 (3 COURSE - 225 DEEP) FOR OPENINGS OVER 1.0m WIDE.

LINTELS OVER DOOR OPENINGS IN INTERNAL BLOCKWORK WALLS TO BE SPANLITE OR STRESSLINE REINFORCED CONCRETE. ALL LINTELS TO HAVE 150mm MIN END BEARING.

ROOF VENTILATION

TO RETAIN INSULATION AND CONTINUE AIR FLOW BLUEVALE REF: EVA01 FIXED BETWEEN RAFTER MEMBERS OF ROOF TRUSSES OR LOOSE RAFTERS AT 450 CENTRES. SEE NOTES ON DRAWINGS RE: SOFFITE/EAVES VENT.

PITCHED ROOF COVERING

RYLUX REINFORCED ROOFING FELT 1200 MIN LAPS. BATTENS TREATED AT SUPPLIERS WITH SOLUTION TO PREVENT INSECT AND FUNGI (DOUBLE VAC) ATTACK FIXED WITH RUSTPROOF NAILS.

TIMBERS IN ROOF

ALL TIMBERS TO BE SC3 GRADE DRY TIMBERS TREATED AT SUPPLIERS WITH PRESERVATIVE TO PREVENT INSECT AND FUNGI (DOUBLE VAC) ATTACK.

ROOF-WALL RESTRAINT AT GABLES

BETWEEN 1ST AND 3RD TRUSSES OR RAFTERS PR TIMBER NOGGINGS 75 X 50 AT APPROX 1.75mm MAX CENTRES. TOP OF NOGGINS FLUSH WITH TOP OF RAFTER OR RAFTER MEMBERS OF ROOF TRUSS UP VERGE. FIX TIMBER PACK BETWEEN RAFTER AND INNER FACE OF WALL THEN FIX 30 X 5 GALVANISED STEEL STRAPS TO NOGGINS & RAFTERS. BUILD INTO INNER SKIN OF CAVITY WALL AND BEND SHUT DOWN INTO CAVITY. SIMILARLY FIX STRAPS AT CEILING LEVEL FIXED OVER 1ST & CEILING JOISTS OR TIE MEMBER OF ROOF TRUSS.

CEILINGS

12.5mm PLASTERBOARD SKIM FINISHED OR SHIPLAK RESISTANT BACKED TYPE FIXED IN ACCORDANCE WITH BRITISH GYPSUM PRINTED INSTRUCTIONS SKIM FINISH.

GROUND FLOOR

REMOVE TOPSOIL AND ANY UNSUITABLE MATERIAL TO NEW 150 HARDCORE MOT TYPE 1 75-DOWN CRUSHED STONE FREE FROM SULPHATES BLENDED WITH STONE DUST CONSOLIDATED WITH A ROLLER OR VIBRATOR PLATE. ANY HARDCORE FILL EXCEEDING 150 TO BE ROLLED AND CONSOLIDATED IN MAX 150 LAYERS HARDCORE. FILL SHOULD NOT EXCEED 750.

1200 GAUGE POLYTHENE SHEET D.P.M. 150 MIN LAPS. D.P.M. TURNED UP WALL AND LAPPED OVER D.P.C.

CONCRETE SLABS

TO DWELLING:- 150mm THICK PENNY BISCUITS FOR PIPES AND INSULATION. THICKEN CONCRETE OUT UNDER DUCTS. CONCRETE TO BE 1:2:4 MIX CEMENT TO BE O.P.C. NO ADDITIVES TO BE USED. TOP OF CONCRETE TO BE LEFT DOWN 70mm TO RECEIVE FLOOR FINISH

GROUND FLOOR INSULATION 'B'

50mm THICK POLYFOAM PLUS FLOORBOARD LAID LAID DIRECTLY ONTO BLINDED HARDCORE AND BELOW D.P.M.

D.P.C.

RAISED AS NECESSARY OR EQUAL 150 ABOVE GROUND OR PAVING LEVEL 150 MIN LAPS. 3 COURSES SOLID CLASS 'A' BLUE STAFFORDSHIRE BRICKS BELOW D.P.C. ON OUTER LEAF.

FOUNDATIONS

600 X 250 CONCRETE STRIP FOOTING REINFORCED WITH 1 LAYER A193 MESH 40mm MIN COVER. 600 X 250 FOUNDATIONS TO 100 INTERNAL BLOCKWORK WALLS.

EXCAVATE TO FIRM BASE TO BE APPROVED BY LOCAL AUTHORITY BUILDING CONTROL OFFICER. CUT OUT ANY SOFT SPOTS AND FILL WITH WEAK CONCRETE DEPTH OF FOUNDATIONS TO BE MIN 750 BELOW GROUND OR PAVING LEVEL OR 1.0m IF ONTO CLAY. TARMAC TOPPLOCK FOUNDATION BLOCKS OR CLASS 'B' ENGINEERING BRICKS UP TO 225mm BELOW D.P.C. MEAN CONCRETE CAVITY FILL TO BE BEVELLED TO FORM SLOPE TO OUTER LEAF WEEP-HOLES AT APPROX. 2.0m CENTRES.

SOUTH HOLLAND DC HOUSE PLANNING
30 JAN 1996
Ref: 0090/96

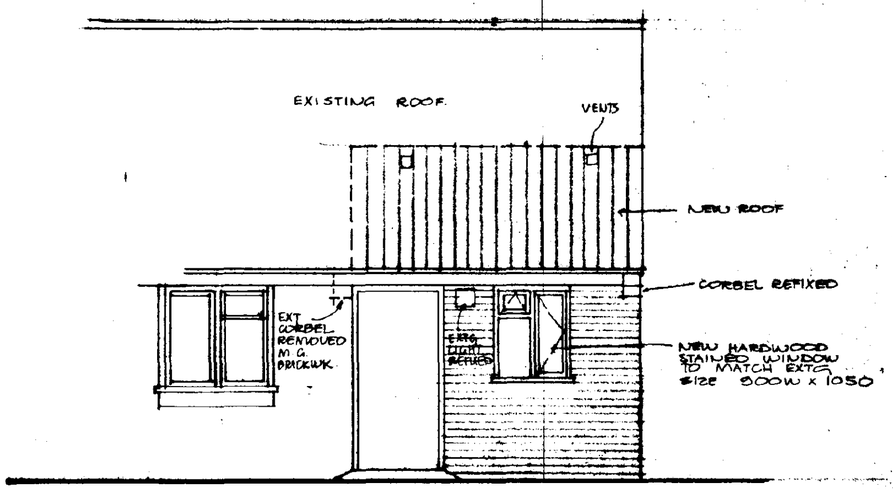
job
PROPOSED EXTENSION TO 133 WINSOVER ROAD SPALDING

for
THE MULBERRY TRUST

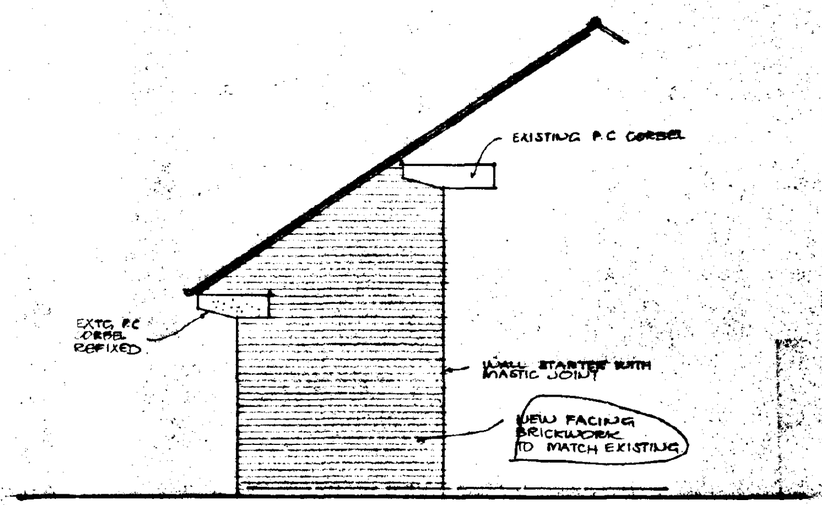
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C·l·i·v·e B·o·o·t·h
DipArch RIBA
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Queens head chambers 42 kirkgate newark nott
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tel 01636 7851
fax 01636 61142

drwg. no.
739/4



REAR ELEVATION



SIDE ELEVATION

WINDOWS
ALL DOUBLE GLAZED OPEN LIGHTS TO BE EQUAL TO AT LEAST 1/20th FLOOR AREA OF ROOM. TOP OF FRAMES TO INCORPORATE PIET AND MISS TRICKLE VENTS.

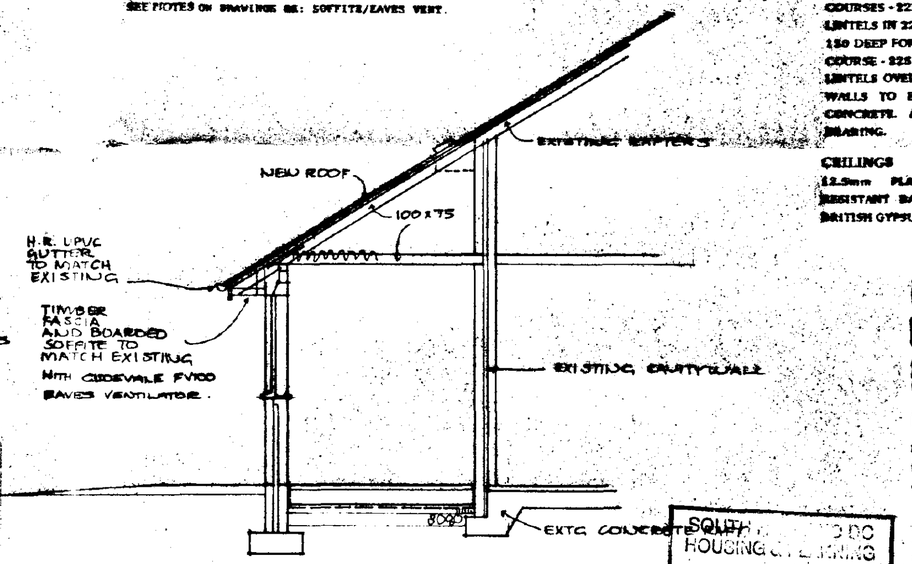
ROOF VENTILATORS
TO RETAIN INSULATION AND MAINTAIN AIR FLOW SLIDEVALE REF: RV001 FIXED BETWEEN RAFTER MEMBER OF ROOF TRUSSES OR LOOSE RAFTERS AT 450 CENTRES. SEE NOTES ON DRAWING RE: SOFFITS/EAVES VENT.

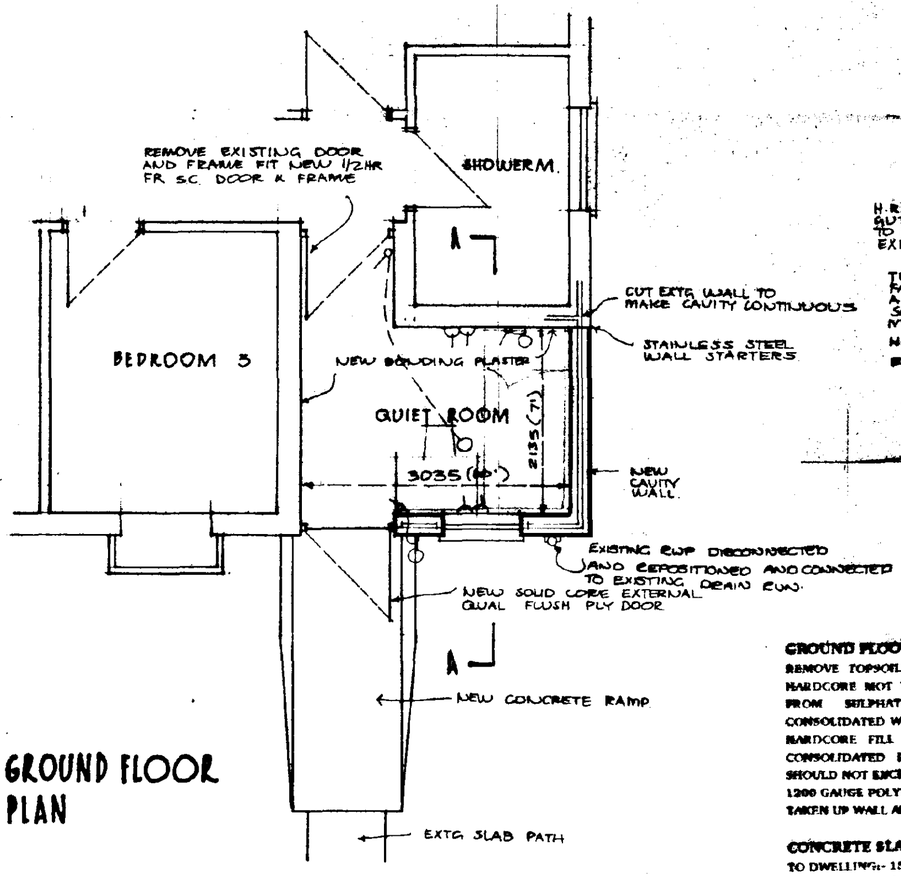
PITCHED ROOF
100 x 50 SC3 GRADE TIMBER WINDPLATE TREATED TO PREVENT INSECT AND FUNGI ATTACK. FIXED TO WALL WITH 30 x 5 GALVANIZED STEEL STRAPS FIXED TO WALL. END BENT OVER AND FIXED TO TOP OF WALLPLATE AT 1750 CENTRES. RAFTERS AT MAX 600 CENTRES TREATED TO PREVENT INSECT AND FUNGI ATTACK.
100mm THICK CROWN MINERAL WOOL OVER CEILING U VALUE 0.25 W/m²K.

PITCHED ROOF COVERING
SYLEX REINFORCED ROOFING FELT 100 MIN LAPS. RAFTERS TREATED AT SUPPLIERS WITH SOLUTION TO PREVENT INSECT AND FUNGI (DOUBLE VAC) ATTACK FIXED WITH RUSTPROOF NAILS.

WALLS
EXTERNAL CAVITY WALLS- 100 FACING BRICK OUTER SKIN, 50mm CAVITY FILLED WITH 50mm FIBREGLASS DRITHERM FIXED STRICTLY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. 100mm BLOCKWORK INNER SKIN COMPRESSIVE STRENGTH 2.8N/mm² (UP TO 2 STOREYS). BLOCKWORK TO BE SUITABLE TO RECEIVE PLASTER FINISH 13mm THICK. STAINLESS STEEL WIRE TIES EVERY 6TH COURSE (EVERY 4TH COURSE AT OPENINGS AND WHERE WALL ABUT EXTGS. WALLS). TIES SPACED 900mm HORIZONTALLY AND STAGGERED. CLOSE CAVITY AT JAMBS AND CILLS OF OPENINGS INCORPORATE D.P.C. AND 25mm THICK STYROFOAM RIGID SHEET INSULATION TO PREVENT COLD BRIDGING. CLOSE CAVITY AT EAVES AND VERGE WITH CUT BRICK OR TERVOTH MORTAR TYPE AND MIX TO SUIT BRICKS AND BLOCKS.
LINTELS IN CAVITY WALLS TO BE CATNIC CN7 (2 COURSE - 150 DEEP) FOR OPENINGS UP TO 1.8m WIDE CATNIC CN9 (3 COURSES - 225 DEEP) FOR OPENINGS OVER 1.0m WIDE.
LINTELS IN 225 SOLID WALLS TO BE CATNIC CN7 (2 COURSE 150 DEEP FOR OPENINGS UP TO 1.0m WIDE CATNIC CN01 (3 COURSE - 225 DEEP) FOR OPENINGS OVER 1.0m WIDE.
LINTELS OVER DOOR OPENINGS IN INTERNAL BLOCKWORK WALLS TO BE 'SPANLITE' OR STRESSLINE REINFORCED CONCRETE. ALL LINTELS TO HAVE 150mm MIN END BEARING.

CEILINGS
12.5mm PLASTERBOARD FOIL-BACKED OR GYPSUM RESISTANT BACKED TYPE FIXED IN ACCORDANCE WITH BRITISH GYPSUM PRINTED INSTRUCTIONS SKIM FINISH.





GROUND FLOOR PLAN

D.P.C.
BITUMEROID TYFLOAT OR EQUAL 150 ABOVE GROUND OR PAVING LEVEL 150 MIN LAPS. 3 COURSES SOLID CLASS 'A' BLUE STAFFORDSHIRE BRICKS BELOW D.P.C. ON OUTER LEAF.

SECTION A-A

GROUND FLOOR
REMOVE TOPSOIL AND ANY WEAK SPOTS. LAY 150 MIN HARDCORE NOT TYPE 1 TO-DOWN CRUSHED STONE FREE FROM SULPHATES BLINDED WITH STONE DUST CONSOLIDATED WITH A ROLLER OR VIBRATOR PLATE. ANY HARDCORE FILL EXCEEDING 150 TO BE ROLLED AND CONSOLIDATED IN MAX 150 LAYERS HARDCORE. FILL SHOULD NOT EXCEED 750.
1200 GAUGE POLYTHENE SHEET D.P.M. 150 MIN LAPS. D.P.M. TAKEN UP WALL AND LAPPED OVER D.P.C.

CONCRETE SLABS
TO DWELLINGS- 150m/m THICK PORUS DUCTS FOR PIPES AND INSULATION. THICKEN CONCRETE OUT UNDER DUCTS. CONCRETE TO BE 1:2:4 MIX CEMENT TO BE O.P.C. NO ADDITIVES TO BE USED. TOP OF CONCRETE TO BE LEFT DOWN 70mm TO RECEIVE FLOOR FINISH.

GROUND FLOOR INSULATION
50mm THICK POLYFOAM PLUS FLOORBOARDS LAY LOOSE DIRECTLY ONTO BLINDED HARDCORE AND BELOW D.P.M.

FOUNDATIONS
600 X 250 CONCRETE STRIP 1:2:4 MIX REINFORCED WITH 1 LAYER A193 MESH 40mm MIN COVER. 600 X 250 FOUNDATIONS TO 100 INTERNAL BLOCKWORK WALLS.
EXCAVATE TO FIRM BASE TO BE APPROVED BY LOCAL AUTHORITY BUILDING CONTROL OFFICER. CUT OUT ANY SOFT SPOTS AND FILL WITH WEAK CONCRETE DEPTH OF FOUNDATIONS TO BE MIN 750 BELOW GROUND OR PAVING LEVEL OR 1.0m IF ONTO CLAY. TARMAC TOPBLOCK FOUNDATION BLOCKS OR CLASS 'B' ENGINEERING BRICKS UP TO 225mm BELOW D.P.C. MEAN. CONCRETE CAVITY FILL TOP BEVELLED TO FORM SLOPE TO OUTER LEAF WEEP-HOLES AT APPROX. 2.0m CENTRES.

SOUTH ... DC
HOUSING ... NING
30 JAN 1996
Ref: 0090/96

DETERMINED PLAN

PROPOSED EXTENSION TO 131 WINSOVER ROAD TO FORM QUIET ROOM FOR THE MULBERRY TRUST

SKETCH PLAN

scale 1:50
date 26/07/95 revisions

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