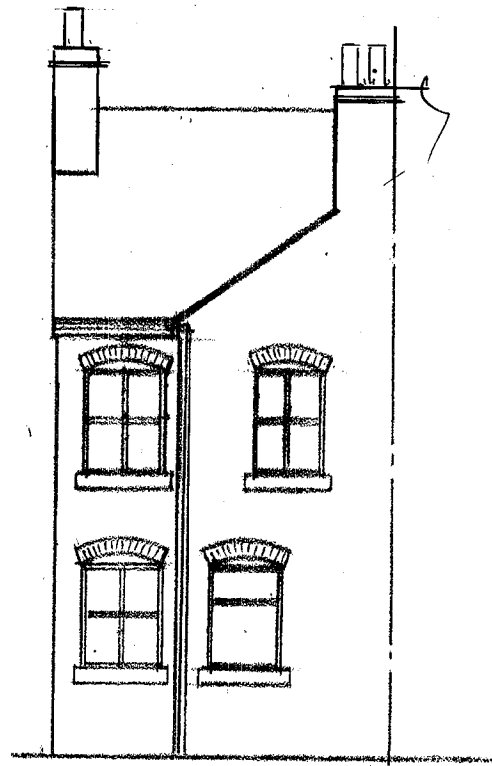
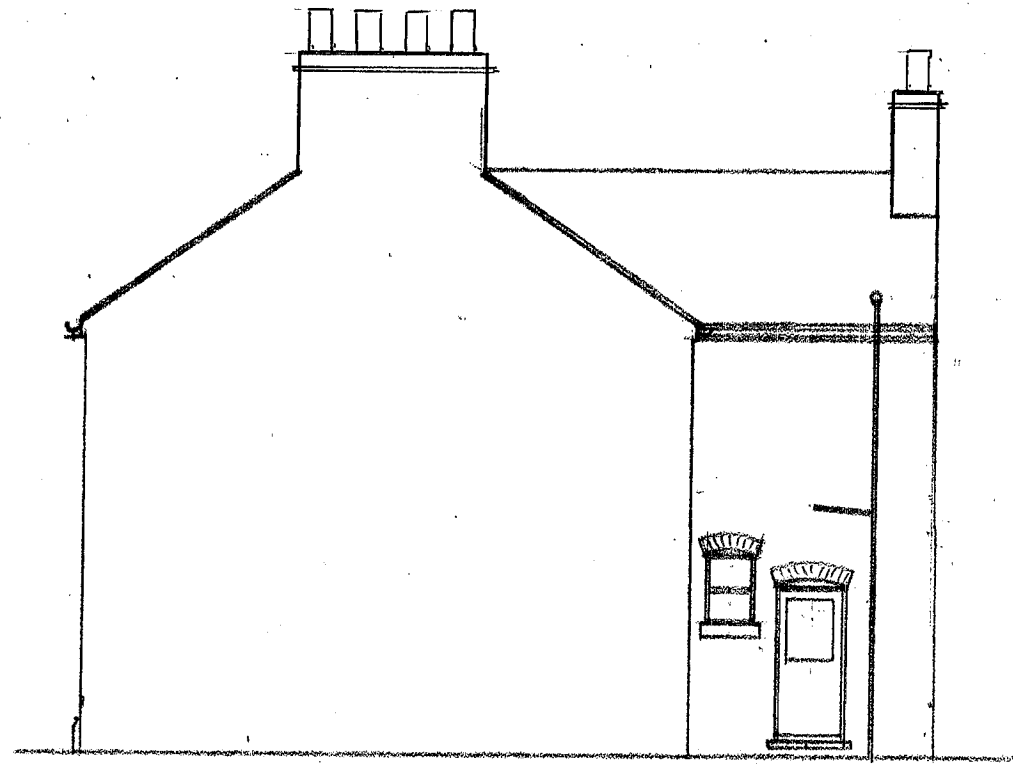


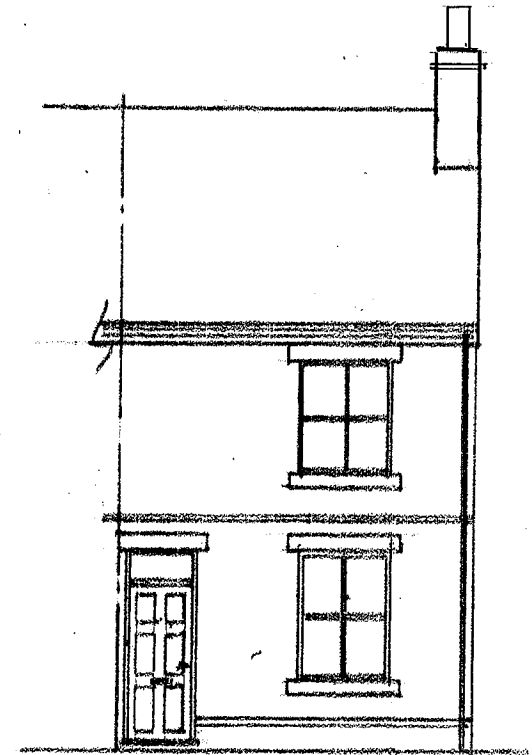
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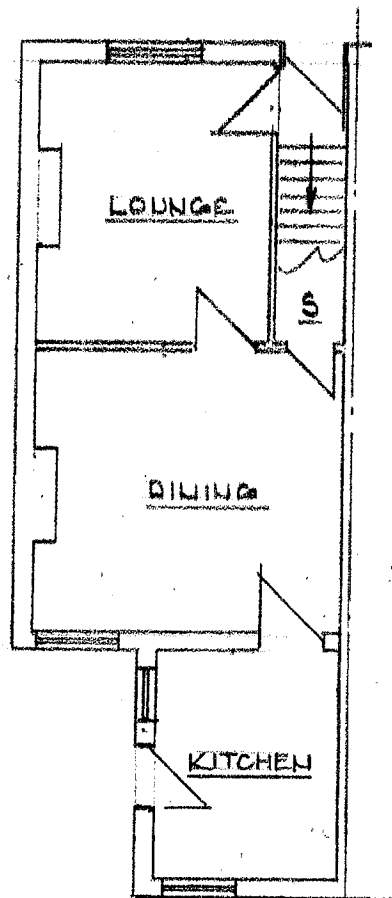
REAR



SIDE



FRONT



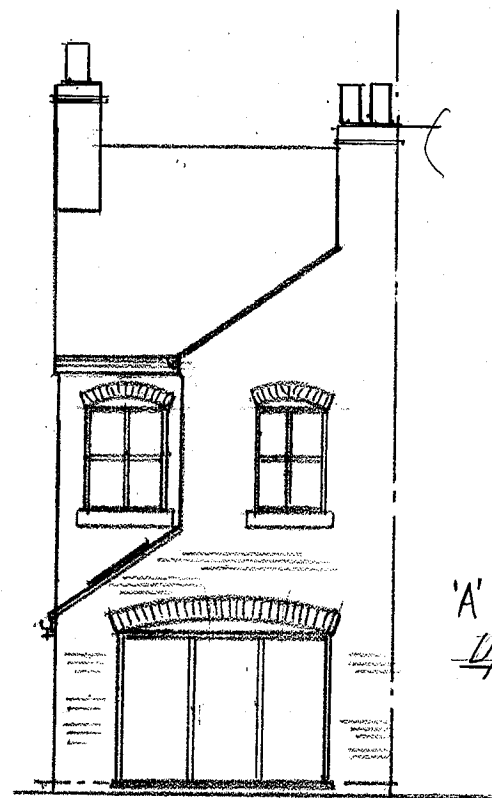
Philip C Anthony – Building Services Consultant 40 Uttoxeter Road, Mickleover, Derby. DE3 9GE

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Project: Proposed Building Works for Mr F Smith at 2 Millfield Shardlow Derbys DE72 2HD

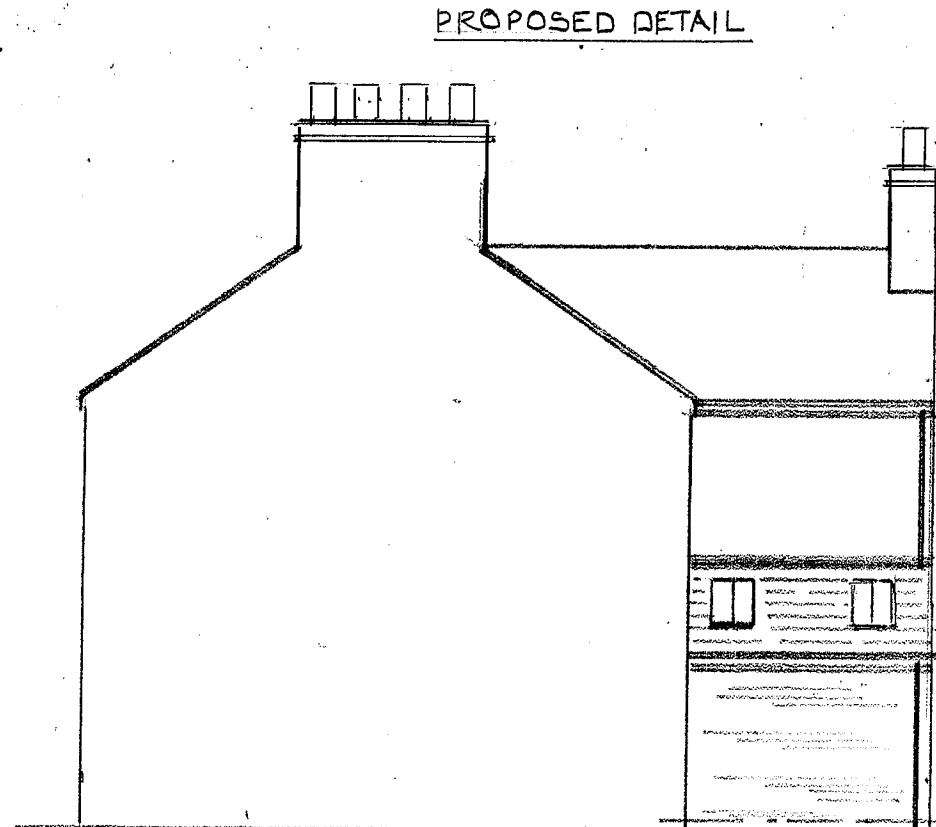
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Drawing No. 2203-21/ sheet 1 of 2 Rev 0



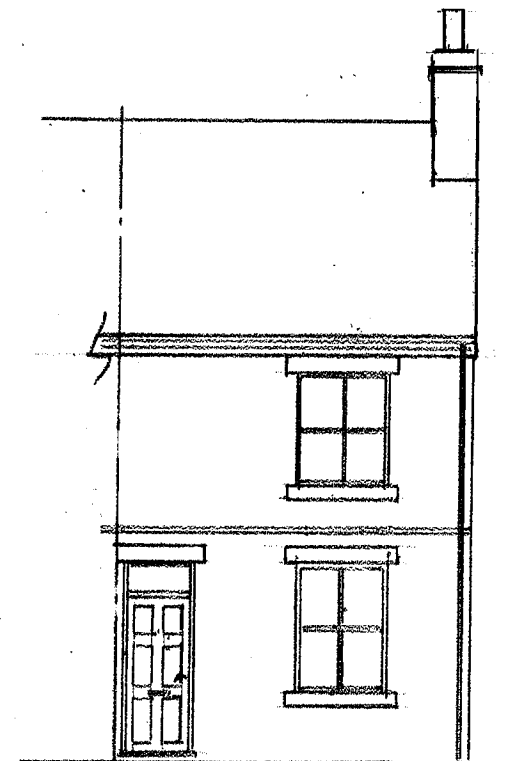
REAR

'A'
Upvc Bi-Fold Doors

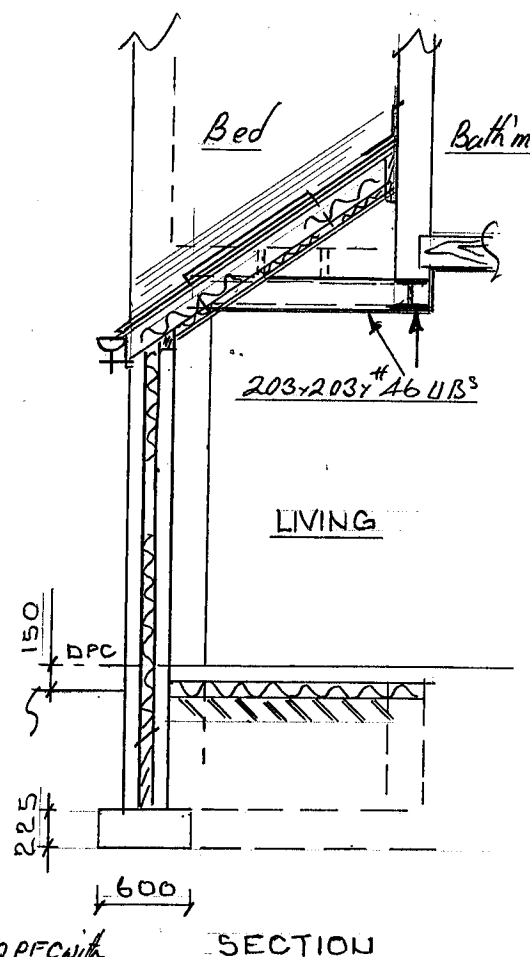
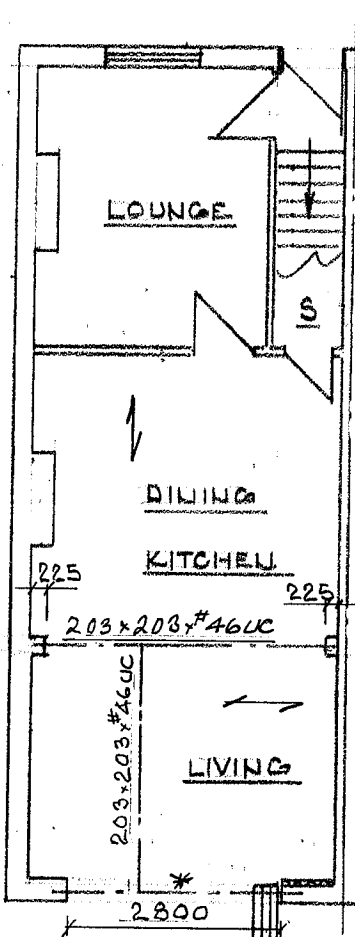


SIDE

Conservation Roof Windows
560 x 980 Black Frames
All existing windows replaced
with Upvc conservation sash
windows



FRONT



SECTION

*200x90x30 PFC with
10mm lsc plate

IT IS THE OWNERS RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE PARTY WALL ACT of 1996. THE CLIENT OR CONTRACTOR SHOULD UNDERTAKE OR APPOINT FOR THE ROLE OF PRINCIPLE CONTRACTOR AS DEFINED BY THE CDM REGULATIONS.

FOOTINGS - STRIP CONCRETE TO DIMENSIONS SHOWN OR ALTERNATIVELY TRENCH FILL WITH CONCRETE TYPE FOUNDATION, DEPTH TO SUITABLE LOAD BEARING STRATA - 1m MIN IN CLAY. ALL FOOTINGS TAKEN BELOW INVERT LEVEL OF LOCAL DRAIN RUNS. ALL TO THE SATISFACTION OF THE BUILDING CONTROL SURVEYOR. NOTE THAT THE EXISTING FOOTINGS MAY REQUIRE UNDERPINNING LOCAL TO THE STEEL BEARINGS.

GROUND FLOOR - 150mm COMPACTED & SAND BLINDED HARDCORE 1200 DPM LAP TO INNER LEAF DPC 100mm CONCRETE SLAB WITH 80mm OF CELOTEX GA3000 INSULATION (0.22W/M²K) WITH A 500 VCL OVER. 25 x 100 U/STD ALL INSTALLED TO THE Mfrs INSTRUCTIONS.

DRAINS - DRAINS - FOUL - SINK WASTE 40mm WITH INTEGRAL DEEP SEAL TRAPS & STRAINER DISCHARGING TO A B.I.G. TO THE EXISTING FOUL DRAINAGE SYSTEM. ACTUAL LAYOUT OF KITCHEN TO BE DETERMINED BY CLIENT. ALL NEW DRAINS RUN IN 100mm DIA FLEXIBLE JOINTED DRAIN PIPING ON 150mm PEA SHINGLE BEDS MIN FALLS 1 IN 80. LINTEL OVER DRAINS THROUGH BRICKWORK & ENCASE IN 150mm CONC. DRAINS UNDER NEW WORKS. **SURFACE WATER** - UPVC GUTTER & DOWN PIPES WITH DEEP SEAL RW SHOES TO THE NEAREST COMBINED FOUL DRAIN AS THE SITE IS NOT SUITABLE FOR A SOAKAWAY. NOTE THAT THE EXISTING BATHROOM DRAINS WILL REQUIRE RE-ROUTING FOR THE EXTENSION BUILD. NEW 1/2" TO BE CONSTRUCTED WITH 225mm CLASS 'B' ENG. BWK. ON A 150mm CONCRETE BASE CI / GALVANISED STEEL FRAME & COVER.

WALLS - CAVITY WALLS 112 FACING BRICK EXTERNALLY TO MATCH EXISTING, 100mm CAVITY FILLED WITH DRITHERM 37 FROM UNDERSIDE OF FLOOR INSULATION UP TO CEILING INSULATION & TOP OF GABLES. 100 STANDARD WEIGHT AIRCRETE BLOCKS INNER LEAF (K=0.16) WITH 12.5mm PLASTERBOARD ON DABS WITH CONTINUOUS RIBBONS OF ADHESIVE TO ALL EDGES & SKIM FINISH (0.27W/M²K). HYLOAD/BLUE BRICK DPC 150mm ABOVE GROUND LEVEL INSULATED LINTELS OVER ALL NEW OPENINGS WITH 150mm BEARING KEY NEW BWK TO EXISTING. STAINLESS STEEL CAVITY WALL TIES AT 900mm HORIZONTAL & 450mm VERTICAL SPACING (300mm WITHIN 225mm OF OPENINGS) CAVITY BARRIER AT ALL REVEALS. LEAN CONCRETE MIXES CAVITY FILL TO 225mm OF LOWEST DPC. ROLLED STEEL BEAMS ENCASED IN 12.5mm FIRELINE BOARD WITH A 6mm SKIM FINISH TO REST ON BLUE BRICK PADSTONES.

VAULTED ROOF - INCLINE 35 DEGREES COVERED THIN WELSH SLATE AT 75mm HEADLAP ON 50 x 25 BATTENS ON TYVEK BREATHER MEMBRANE OVER 50 x 150 C24 GRADE RAFTERS AT 600 CRS WITH EACH RAFTER BIRDMOUTHED TO A 75 x 100 WALL PLATE WITH BAT STRAPS TO BRICKWORK AT 2M MAXIMUM CRS & AT TOP OF GABLE. INSTALL BETWEEN RAFTERS (FRICTION FIT) 120mm OF CELOTEX XR40120 INSULATION & BELOW RAFTERS (25 + 12.5) OF CELOTEX PL4025 INSULATION & SKIM OVER TO TOTAL SLOPE OF THE ROOF WITHIN THE NEW ROOM (0.18W/M²K). DOUBLE RAFTERS ALONG ROOF WINDOWS INSTALLED TO THE MANUFACTURERS SPECIFICATION.

NB: ONE WINDOW OR DOOR TO BE FITTED WITH TRICKLE VENT 8000 sq. mm ALL NEW WINDOWS & DOORS TO BE DOUBLE-GLAZED WITH 16mm MIN AIR GAPS & LOW EMISSIVITY INNER PANES (1.6W/M²K) OPENING LIGHTS TO BE 1/20" FLOOR AREA MINIMUM. GLAZING OF DOORS & WINDOWS ADJOINING DOORS TO BE SAFETY GLAZED WINDOWS & DOORS TO BE FITTED WITH DRAUGHT EXCLUDERS. NEW RADIATORS FOR CENTRAL HEATING SYSTEM TO HAVE THERMOSTATIC VALVES. ALL PLUMBING TO BE IN ACCORDANCE WITH THE DOMESTIC HEATING COMPLIANCE GUIDE. ALL ROOMS TO BE FITTED WITH LIGHT FITTINGS THAT WILL TAKE ONLY LAMPS HAVING A LUMINOUS EFFICIENCY GREATER THAN 40 LUMENS PER CIRCUIT. INSTALL TO THE KITCHEN A NEW COOKER HOOD 320M3 EXTRACT RATE WHERE WALLS/ROOFS MEET ADJOINING WALLS/ROOFS WEATHERPROOF WITH CODE 4 LEAD FLASHING - 150mm U/STD. ALL INSULATION TO BE CONTINUOUS TO AVOID ANY COLD BRIDGING

ALL ELECTRICAL WORK IS TO BE COMPLIANT WITH PART P & IS TO BE CARRIED OUT BY A MEMBER OF THE COMPETENT PERSONS SCHEME. A SIGNED INSTALLATION CERTIFICATE TO BE LODGED WITH BUILDING CONTROL ON COMPLETION OF THE RELEVANT WORK.

ALL DIMENSIONS TO BE CHECKED ON SITE BY BUILDER PRIOR TO THE COMMENCEMENT OF WORKS, REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH WORK IN THE AFFECTED AREA.

Rev A - 1/2 doors & windows 20/10/21

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Scale: 1:100 at A3

Drawing No. 2203-21/ sheet 2 of 2 Rev A