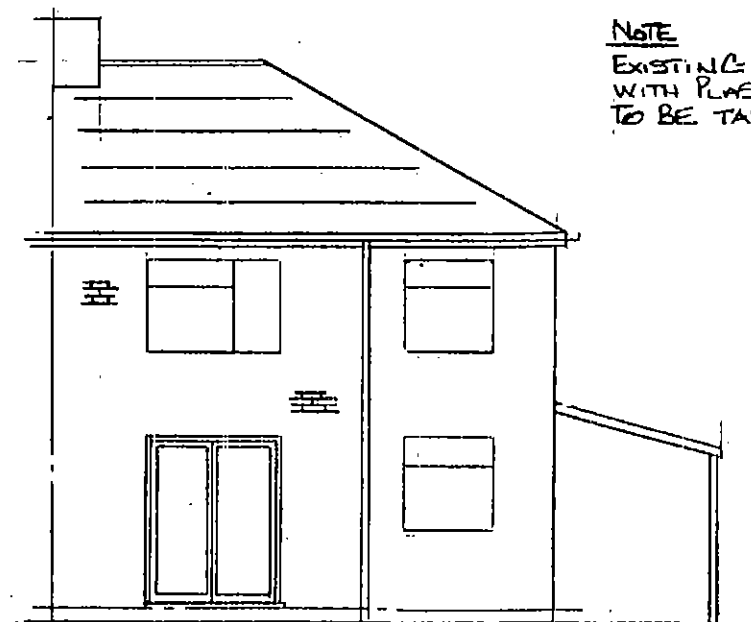
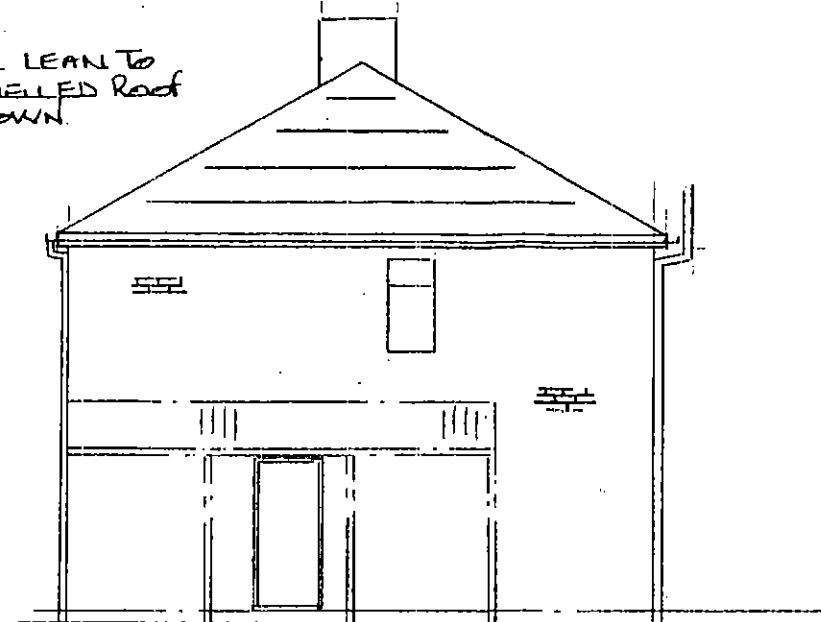


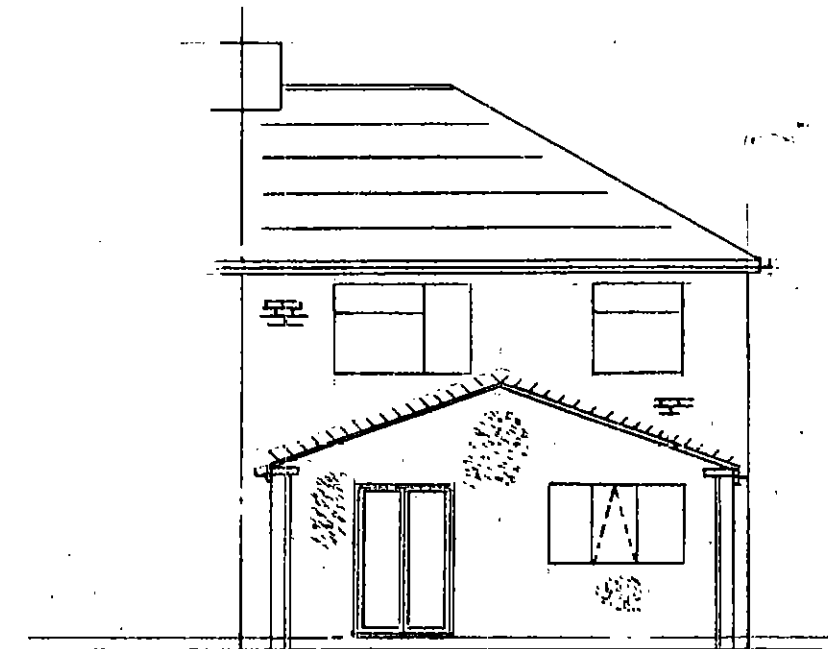
NOTE
EXISTING TIMBER LEAN TO
WITH PLASTIC PANELLED ROOF
TO BE TAKEN DOWN



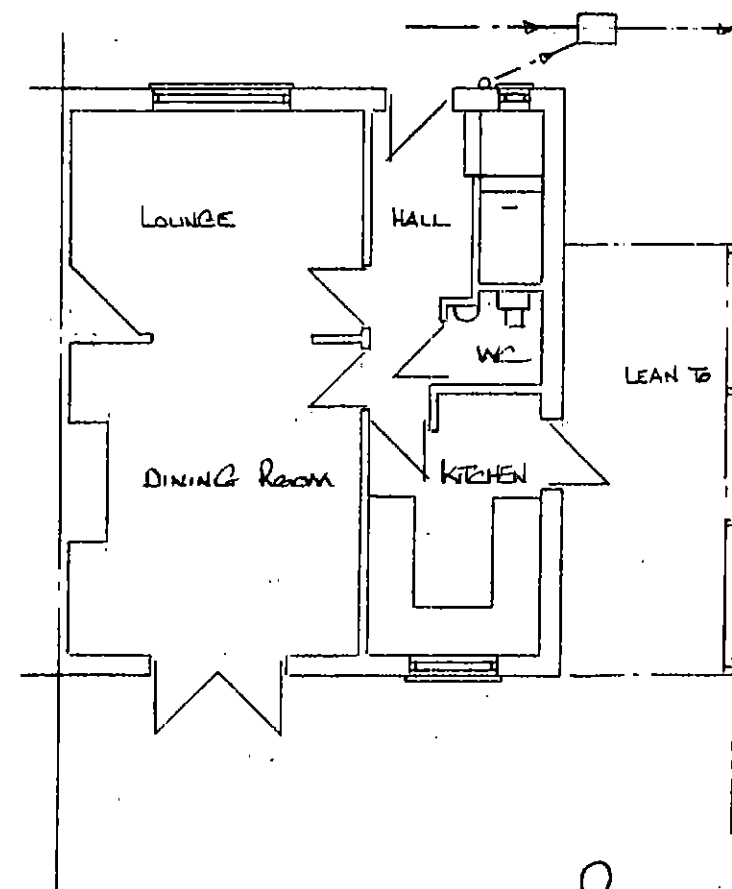
EXISTING REAR ELEVATION



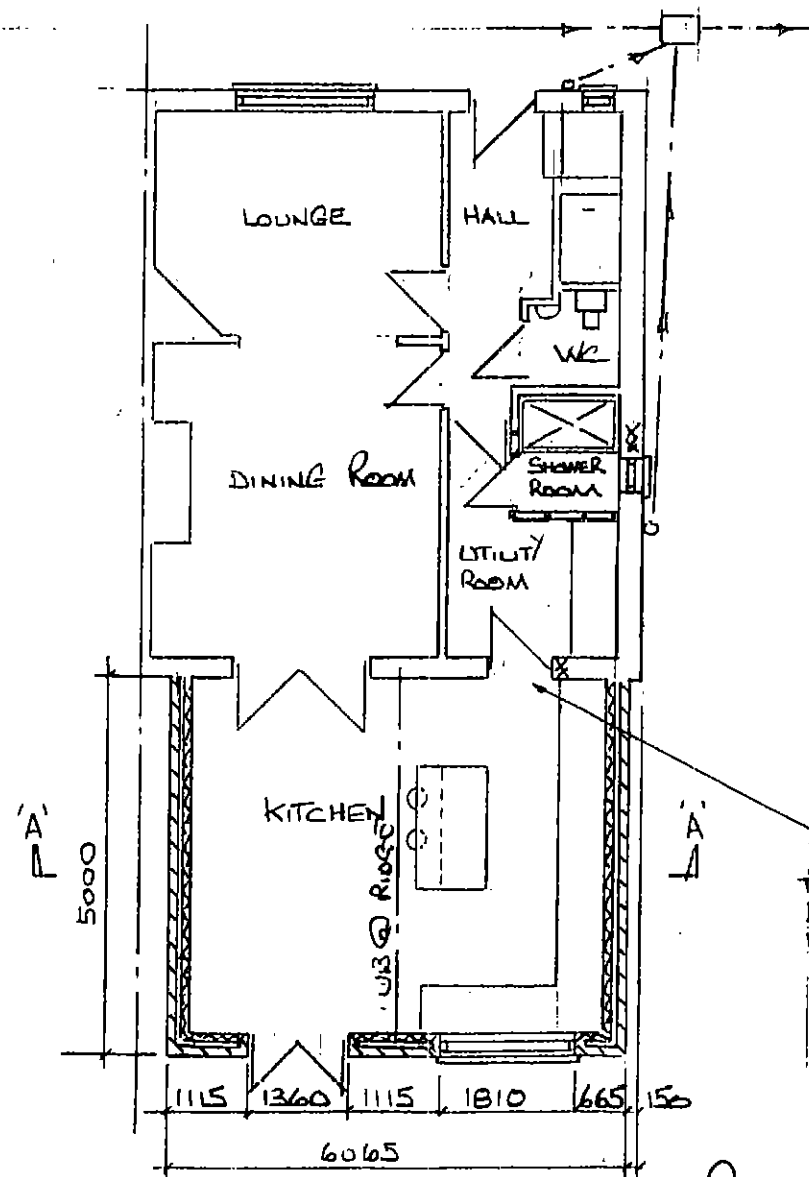
EXISTING GABLE ELEVATION



PROPOSED REAR ELEVATION



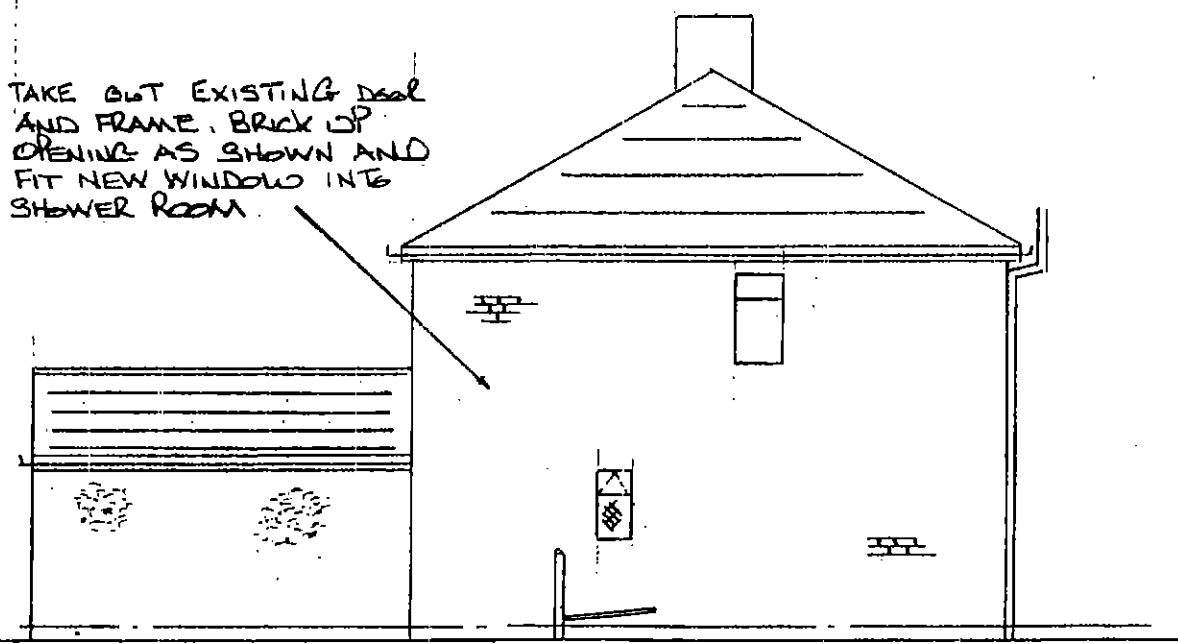
EXISTING GROUND FLOOR PLAN



PROPOSED GROUND FLOOR PLAN

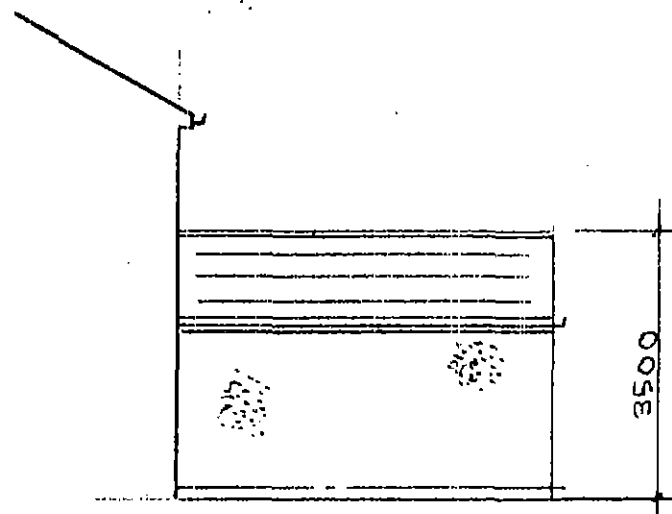
TAKE OUT EXISTING DOOR
AND FRAME, BRICK UP
OPENING AS SHOWN AND
FIT NEW WINDOW INTO
SHOWER ROOM

TAKE OUT WINDOW AND
BRICK UP FORM OPENING
INTO PROPOSED
EXTENSION



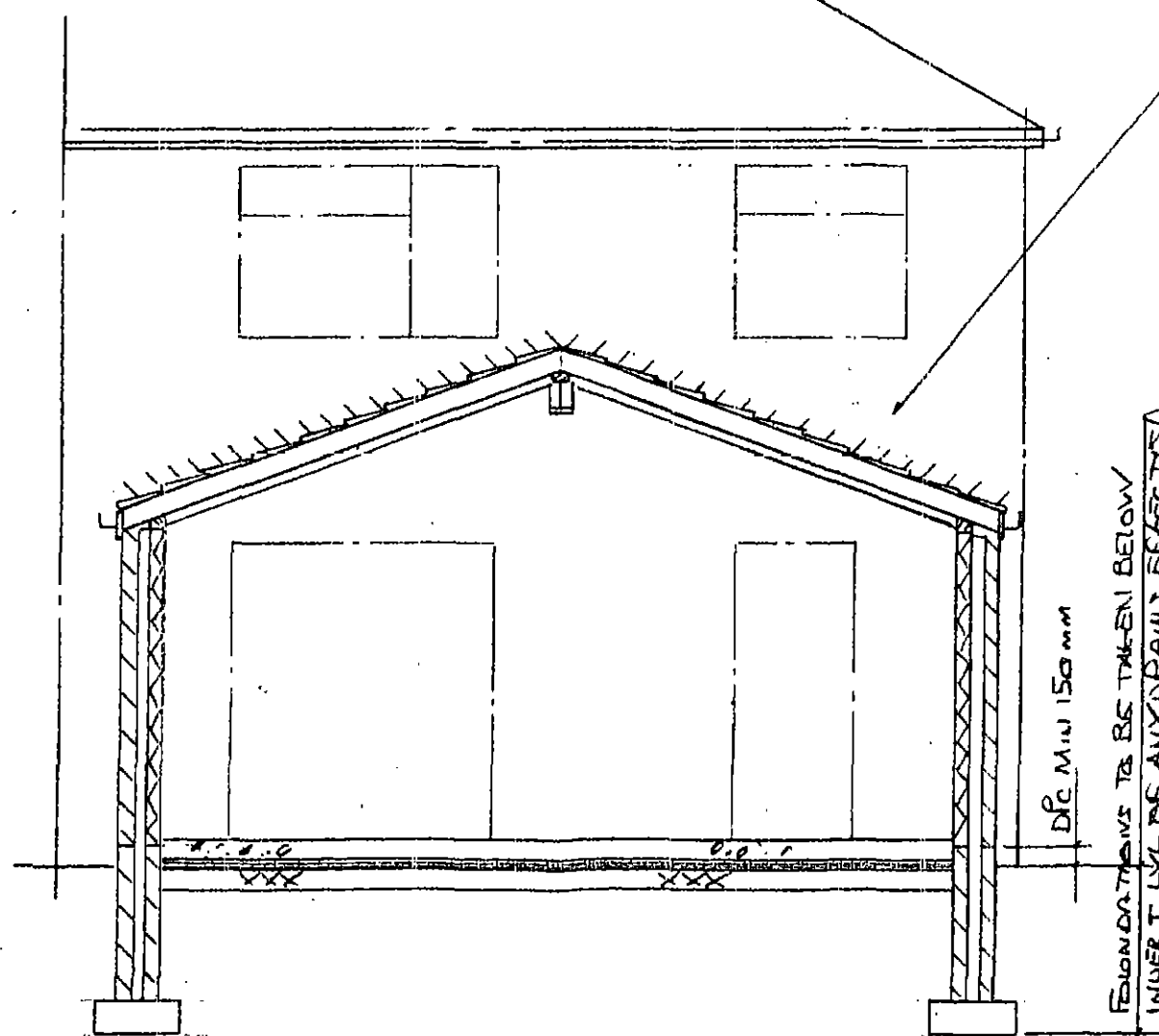
PROPOSED GABLE ELEVATION

PROPOSED SINGLE STOREY
REAR EXTENSION TO 52,
THE CRESCENT, BOLTON
UPON DEARNE, BARNISLEY



PROPOSED REAR SIDE
ELEVATION FROM N°50

CODE 4 LEAD FLASHING
DRESSED INTO BWK WITH
MIN 150mm LIPSTAND



SECTION AA (1.50)

All dimensions and levels to be checked and verified on site, any discrepancies to be reported before work commences.

Regs- The project to which this drawing applies should if applicable be undertaken in full compliance with the CDM regulations (2015) and under the control of a client appointed supervisor. Party wall act- Client to comply with Party Wall Act 1996 and ensure written notification is issued to neighbours prior to commencement of work when carrying out work to a party wall or structure including: Excavations within 3m of an existing structure where the foundations will go deeper than the adjacent foundations, or within 6m of an existing structure where the new foundations are within a 45 degree line of the adjoining foundations.

Support of a beam.

Insertion of a DPC through a wall.

Raising a wall or cutting off projections.

Demolition and rebuilding.

Underpinning.

Insertion of lead flashing.

Legal boundaries to be confirmed by the owner before work commences. The boundaries shown are believed to be accurate, but it is the responsibility of the parties sharing the boundaries to agree the position before the work commences, as neither the agent nor the builder can be held responsible for establishing the boundaries. No part of the construction or work should cross the boundary without the written authority from the adjoining owner.

An explanatory booklet can be obtained free of charge from www.gov.uk/party-wall-etc-act-1996-guidance.

Foundations- 225mm x 600mm concrete foundation, concrete mix to conform to BS EN 206-1 and BS 8500-2. Min concrete grade GEN1 (unreinforced), RC30 (reinforced). All foundations to be a min of 1000mm below ground lvl, exact depth to be agreed on site with Building Control Officer to suit site conditions. All constructed in accordance with 2004 Building Regulations A1/2 and BS8004:1986 code of practice for foundations. Ensure foundations are constructed below invert lvl of any adjacent drains. Depth to be no less than foundation to existing dwelling. Base of foundations supporting internal walls to be min 600mm below ground lvl. Sulphate resistant cement to be used if required. Please note that should any adverse soil conditions be found or any major tree roots in excavations, the Building Control Officer is to be contacted and the advise of a structural engineer should be sought.

Foundations near to trees require special consideration. If building closer to tree than the mature height then please consult with Building Control or a structural engineer for advise on foundation depth.

Wall construction- External walls to be finished with 20mm two coat sand/cement render with waterproof additive on 100mm med density blockwork, 100mm cavity filled with 100mm Crown dritherm batts, 100mm thermalite blockwork inner leaf faced with 12.5mm plasterboard and skim on dot and dab to achieve U value of 0.28w/m2k, sec eng bwk below dpc lvl with weak mix concrete cavity fill to min 225mm below dpc lvl, or use concrete foundation blocks, S/S ties @ 5/sqm and 225mm vertical to unbonded jambs. All reveals, heads and cills to be insulated with thermabate cavity closes. All bwk and blockwork to be suitably bonded to existing (toothed every other brick or use fir fix profiles.) All cavities to be continuous and min external returns to be 665mm.

Dpc- to be 2000g to walls min 150mm above g/f lvl, vertical dpc's and weather checks to all to all external openings.

Ground Floor construction- Self levelling screed on 100mm thick concrete slab, on 120mm kingspan or similar insulation, on visqueen 2000g DPM on 150mm sand blinded clean, dryc



LOCATION PLAN (1:1250)

hardcore, 25mm kingspan or similar insulation to perimeter of floor edge, floor construction achieve U value of 0.22 w/m²k, new cavity wall to incorporate cavity tray radon barrier at ground lvl, floor lvl to be consistent with existing.

OR

Ground floor construction (Incorporate underfloor heating.)- Floor screed as specified by heating contractor, on 120mm Kingspan insulation with underfloor heating pipework clipped to insulation, on 100mm concrete slab on visqueen 2000g DPM on 150mm sand blinded clean dry hardcore, 25mm Kingspan or similar insulation to perimeter of floor edge, floor construction to achieve U value of 0.22w/m²k, new cavity wall to incorporate tray Radon barrier at ground lvl.

Lintels- Catnic or similarly approved and to have min 150mm end bearing(size will depend on length and loading). Exposed metal surfaces to be covered with 2no 9.5mm plasterboard with staggered joints and 6mm skim finish to achieve min 30minutes FR.

Steelwork- All steel beams and sizes of padstones to be in accordance with engineers details and calculations submitted and approved prior to erection. Beams to be built into bwk and encased in 2 layers of 9.5mm plasterboard with staggered joints with 1.6mm wire binding @ 450mm crs with 6mm skim finish to achieve min ½ hr FR. Beams to have min 2m headroom from floor lvl to u/s of beams.

Roof construction- Concrete tiles to match and be consistent with existing in colour and texture etc and be suitable to be laid @ approx 20deg (to be checked by builder prior to ordering) on 25x50mm treated sw battens @ pitch to suit tiles on TYVEK or similar breathable roofing membrane. 47x150mm C24 grade rafters @400mm crs (to be doubled up either side of velux windows.) seated on 50x100mm sw timber bolted to U/B @ ridge (see calculations re steelwork and padstones.) and fixed / birdmouthed to 75x100mm sw wall plate. Rafters to be anchored to walls with 1000x30x5mm gms straps taken down 6 courses of brickwork, anchors to span 3 rafters @ max 1500crs, solid noggins where straps are used. 'OPEN' ceiling to have additional skin of 12mm ply screwed to U/S of rafter to act as a GUSSETT. Insulate between rafters with 100mm Kingspan TP10 with 35mm Kingspan Kooltherm K18 to U/S of rafter with skim finish. (Insulation to be fixed in accordance with manufacturers instructions.)

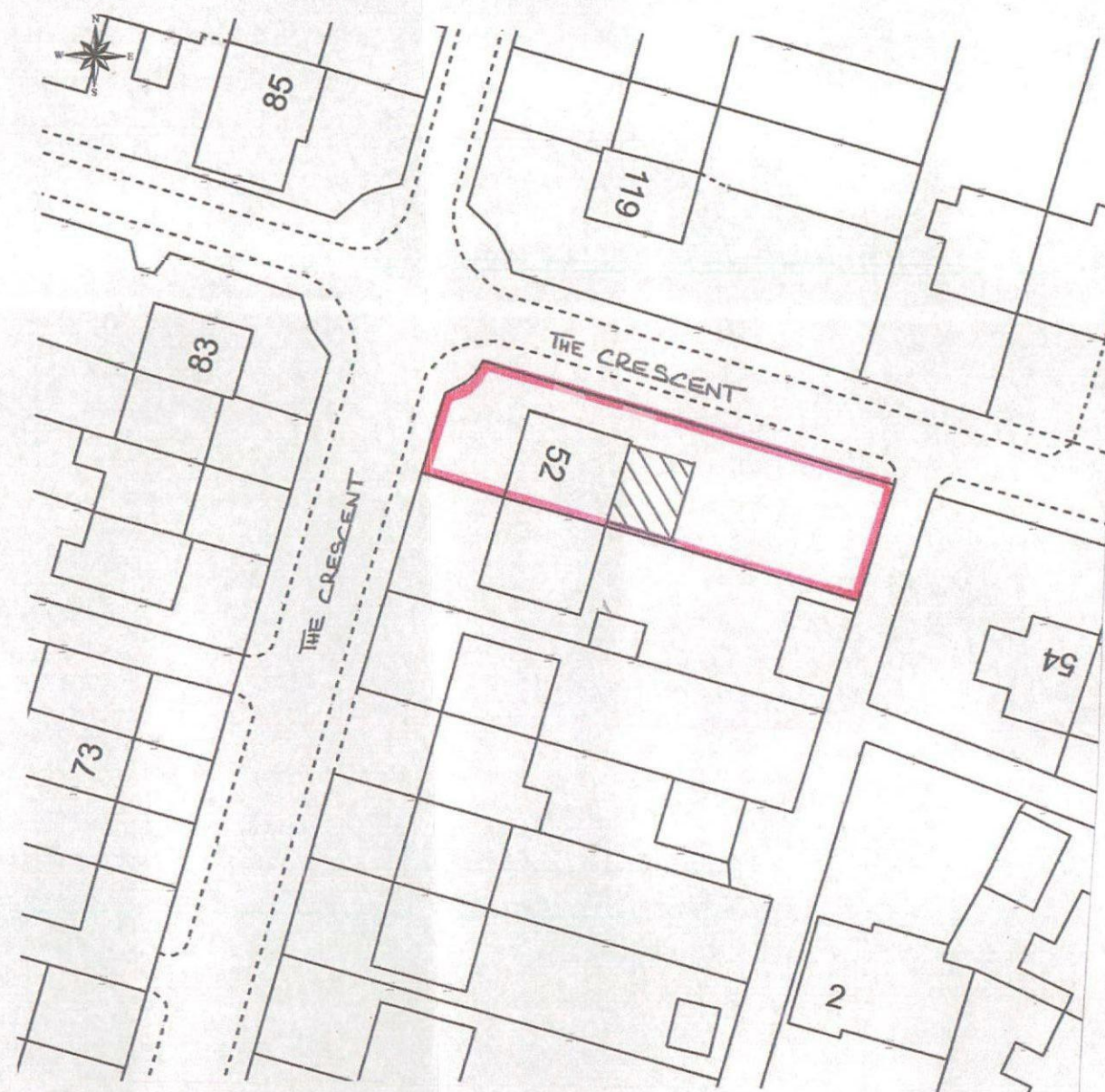
New and Replacement Windows- New and replacement windows to be double glazed with 16mm argon gap and soft coat low-E glass. Window Energy Rating to be Band C or better and to achieve U-value of 1.6 W/m² K. The door and window openings should be limited to 25% of the extension floor area plus the area of any existing opens covered by extension.

Any fire escape windows to be 0.33m² (450x750) and be min 800mm and max 1100mm from floor level to underside of clear unobstructed opening.

New and Replacement Doors- New and replacement doors to achieve a U-Value of 1.8W/m²K. Glazed areas to be double glazed with 16mm argon gap and soft low-E glass. Glass to be toughened or laminated safety glass to BS 6206, BS EN 14179 or BS EN ISO 12543-1:2011 and Part K (Part N in Wales) of the current Building Regulations.

Internal stud walls- Provide new stud walls as shown from 75mmx50mm SW studs @ 600mm vertical crs with 450mm staggered horizontal crs. Mineral wool insulation between studs, 12.5mm plasterboard and skim either side.

Mechanical ventilation- Kitchen to have extractor fan with min 60lit/s extraction or 30lit/s if fitted to cooker hood, utility room to have min 30lit/s extraction and WC/ensuite to have extractor fan with min 15lit/s extraction with 3 air changes/hr with minimum 15 min over run facility operated by light switch.



SITE PLAN (1:500)

Smoke detectors- are to be located in corridors, circulation areas and escape routes no more than 3m from a bedroom, securely fixed to the ceiling @ least 300mm from the wall. Detectors are to have mains wired interlinked system wired independently to the consumer unit with battery backup.

Heating- Extend existing heating system to clients instructions. Radiators to be fitted with TRV's and pipework to be insulated with rigid foam insulation.

Ringmain and Lighting- Extend existing circuits to clients instructions. All electrical work to meet requirements of part P(electrical safety) and must be carried out by an electrician/installer who is registered with a competent person scheme or an electrician registered with a recognized trade body such as NICEIC and can issue a design, installation and test certificate under BS7671.

Switches and sockets to be located within 450mm and 1200mm of the finished floor lvl in places suitable for every use. Lights are to be at least 45 lumens/circuit watt efficiency and have 1 energy efficient light/25m² or 1 in 4 fixed light fittings.

Above ground drainage- All above ground drainage to BS5572 1994, wash hand basins fitted with 32mm dia wastes, sinks, baths and showers to be fitted with 40mm dia wastes, all to be fitted with 75mm deep seal anti-syphon traps. Wastes taken into back inlet gullies to discharge below grate lvl but above water line. Wastes taken into soil and vent pipes not to be connected within 200mm of any WC connection. Soil and vent pipes to be 100mm PVC-u and to extend min 900mm above any ventilation window.

Below ground drainage- All new underground drainage to be Hepworth "Supersleve" vitrified clay pipework and fittings with push-fit "Polypropelene" flexible couplings.

Drains to be laid to minimum falls of 1:40 and connected into mains drainage system. Generally drains to be laid on 150mm pea shingle bed and surround. Where drains pass underneath building and have less than 300mm cover, drain to be surrounded with 150mm concrete with 13mm compressible board movement joints @ max 5m crs. Drains underneath building with more than 300mm to be surrounded with 100mm granular fill.

Drains passing through concrete foundations to be sleeved to provide 50mm clearance all round with a flexible joint in pipe both sides. Concrete lintols to be provided where drains pass through external walls to form opening to provide 50mm clearance all round, opening to be masked both sides with rigid sheet material and a flexible joint to be provided in pipe both sides of wall.

Note. Drainage indicated, runs, direction etc to be confirmed on site at the commencement of the project with the building inspector.

Surface water- New guttering, fascias and soffits to match and consistent with existing, 65mm dia Rwsps to discharge into existing surface water system or to new hollow soakaway min 5m from foundations and subject to a percolation test to satisfaction of building inspector.

All plans and elevations to scale 1:100 or 1:50 unless stated otherwise.