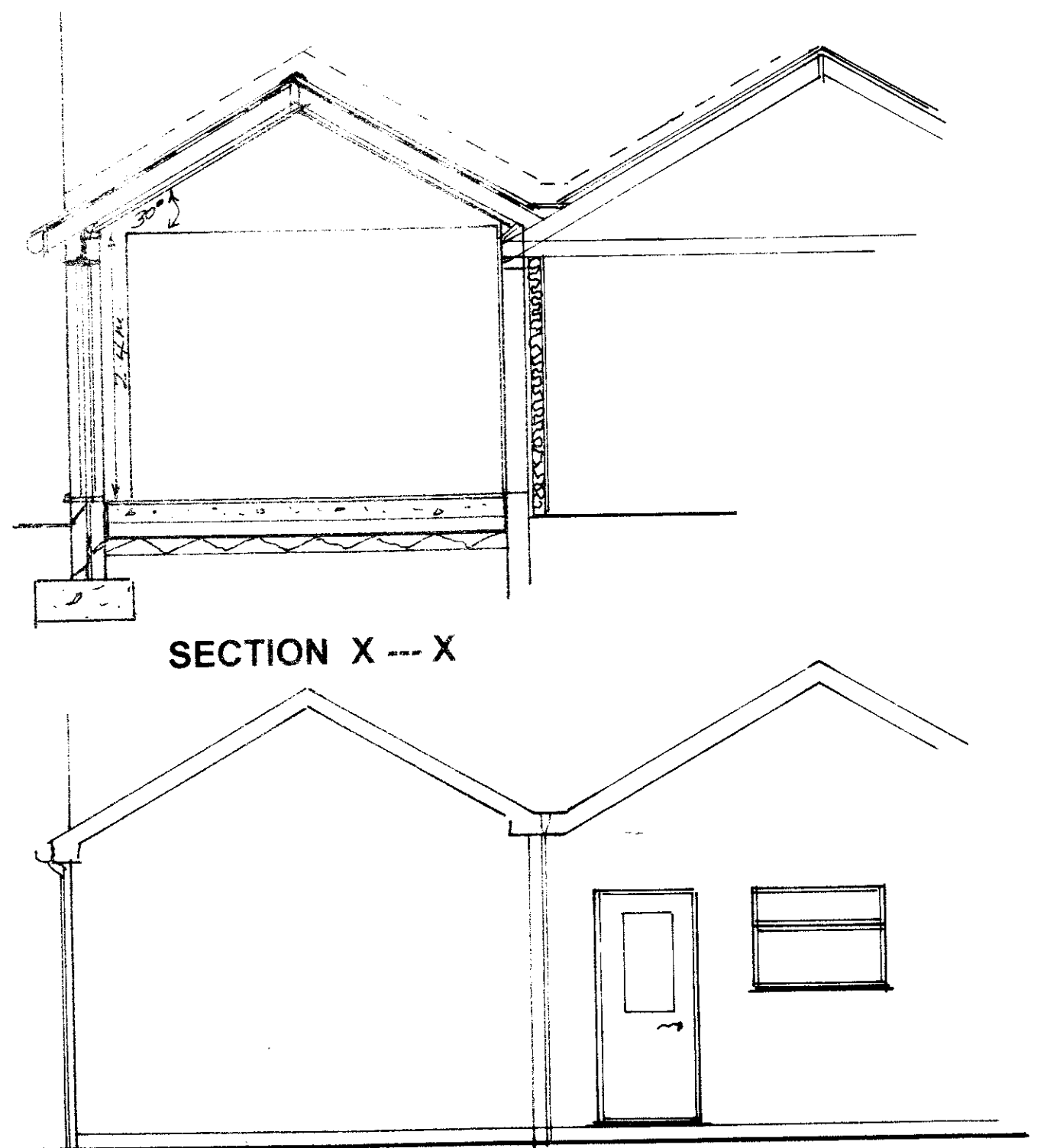


EXISTING GROUND FLOOR PLAN



SECTION X - X

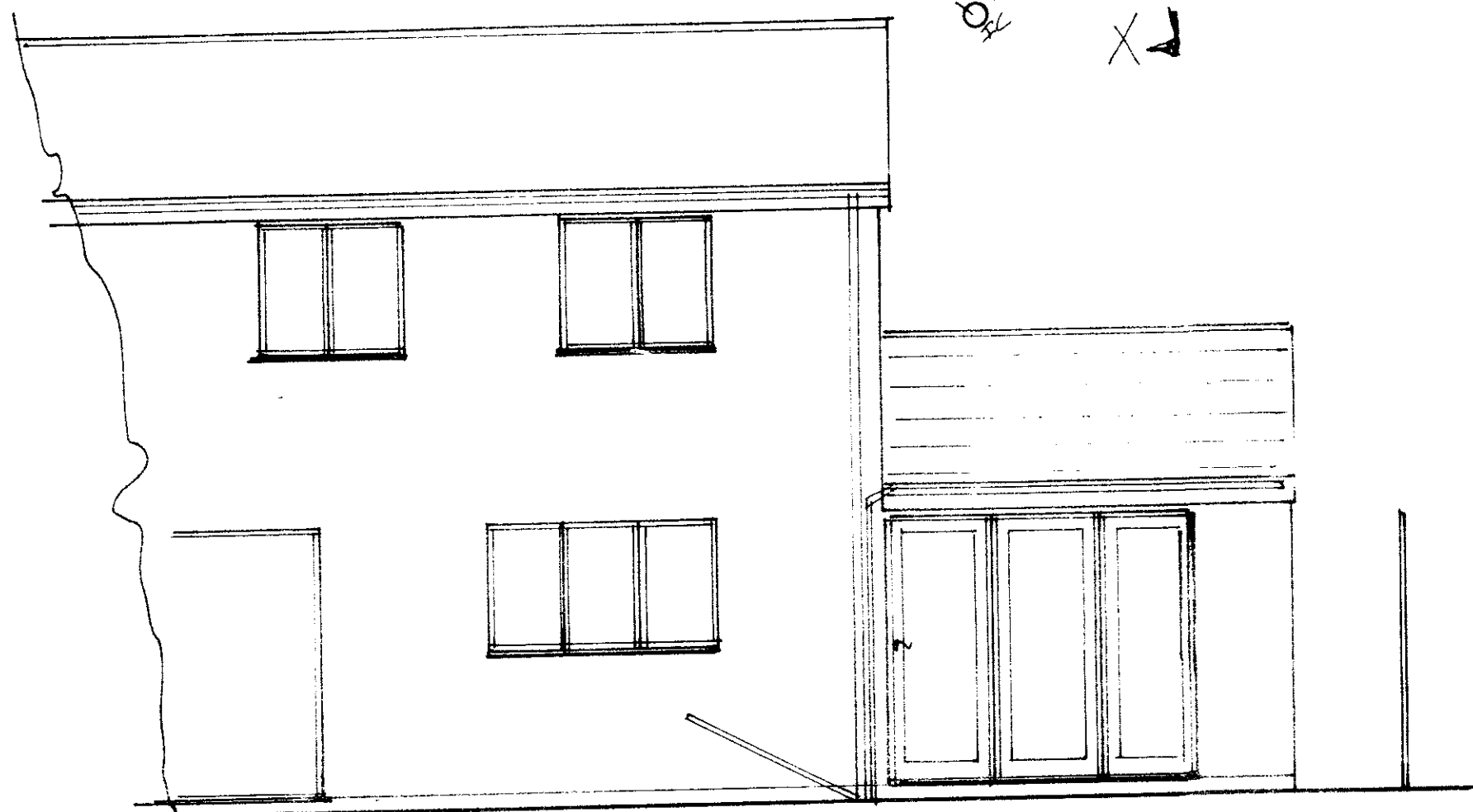
PROPOSED SIDE ELEVATION

NOTES

ALL WORK TO COMPLY WITH THE BUILDING REGULATIONS 2010 AND ALL RELEVANT CODES OF PRACTICE. BRITISH & EUROPEAN STANDARDS. CONTRACTOR TO CHECK ALL FLOOR TO FLOOR HEIGHTS AND FLOOR TO CEILING HEIGHTS, DRAINAGE OUTFALLS, EXISTING FOUNDATIONS AND EXISTING ROOF PITCHES, BEFORE COMMENCING ON SITE. CONTRACTOR TO CHECK ALL EXISTING LINTOLS OVER DOOR AND WINDOW OPENINGS WHICH MAY BE INFLUENCED BY THE EXTENSION/CONVERSION WORKS AND CHANGE WHERE NECESSARY AFTER CONSULTATION WITH THE BUILDING CONTROL OFFICER.

- FOUNDATIONS TO BE 600mm WIDE AND 250mm THICK, TO SATISFACTION OF B.C.O. MIN. DEPTH 900mm. OR INVERT LEVEL OF ADJOINING DRAINS, WHICHEVER IS THE GREATER
- DRAINAGE TO THE SATISFACTION OF B.C.O.
- ALL DRAINS TO BE 100mm DIA. U.P.V.C. PIPES AND LAID TO 1:40 FALLS, WHERE PASSING UNDER BUILDING TO BE ENCASED WITH 150mm CONCRETE. ALL GULLIES TO BE RODDABLE BACK INLET TYPE DRAINS PASSING THROUGH WALLS PROTECTED WITH 150 x 100mm P.C.C. R.C. LINTOLS
- HORIZONTAL AND VERTICAL D.P.C.s AND COLD BRIDGE INSULATORS TO ALL CAVITY CLOSURES
- FIRE STOP CAVITIES AT EAVES LEVEL
- ELEMENTS OF STRUCTURE TO HAVE 1/2 HOUR FIRE RESISTANCE
- CAVITY TIES TO CAVITY WALLS NOT MORE THAN 600mm HORIZONTALLY & NOT MORE THAN 450mm VERTICALLY IN STAINLESS STEEL
- ALL LINTOLS AND CAVITY CLOSURES TO BE INSULATED TO PREVENT COLD BRIDGING
- TRICKLE VENTILATORS TO BE PROVIDED TO ALL WINDOWS FOR BACKGROUND VENTS. MINIMUM 8000mm MIN ROOM VENTILATION 5% FLOOR AREA
- MECHANICAL VENTILATION TO KITCHEN 65 LITRES PER SECOND EXTRACTION TO EXTERNAL AIR
- ROOF VENTILATION TO BE 0.3% ROOF PLAN AREA
- WALLS TO HAVE MAX. "U" VALUE 0.28W/M²/°C & FLOORS TO HAVE MAX. "U" VALUE 0.22W/M²/°C
- DOORS TO HAVE A "U" VALUE OF 1.6W/M²/°C
- DOORS WITH MORE THAN 50% GLAZING TO HAVE A "U" VALUE OF 1.8W/M²/°C
- ROOF INSULATION MAX "U" VALUE TO BE 0.16W/M²/°C
- ALL WINDOWS AND DOORS TO BE DOUBLE GLAZED WITH PINKINGTON "ENERGIKARE" ARGON FILLED GLASS & TO HAVE MIN 16mm AIR GAP AND A "U" VALUE OF 1.6
- ROOF RESTRAINT STRAPS TO BE 38mm x 6mm GALVANISED MILD STEEL 1000mm LONG, FIXED TO ROOF MEMBERS AT 2000mm CENTRES, AND FIXED TO WALLS IN ACCORDANCE WITH APPROVED DOCUMENT
- ANY GLAZING BELOW 800mm FROM FLOOR LEVEL TO BE SAFETY GLAZING TO BS 6206. ANY GLAZING TO DOORS OR SIDE FRAMES TO DOORS BELOW 1500mm FROM FLOOR LEVEL TO BE SAFETY GLAZING
- IF THERE ARE OPEN FLUED COMBUSTION APPLIANCES LOCATED IN THE DWELLING THEN THE BUILDER MUST ENSURE THAT A GAS SPILLAGE TEST TO BS5440 PART 1, IS CARRIED OUT IF ANY MECHANICAL VENTILATION IS TO BE INSTALLED, IF THE FAN CAUSES THE OPEN FLUED COMBUSTION APPLIANCE TO SPILL THEN THE EXTRACT RATING OF THE FAN SHOULD BE REDUCED
- GAS BOILER FLUE TO DISCHARGE TO CLIENT INSTRUCTION TO THE KITCHEN & CONNECT ALL PIPEWORK FLUES & APPLIANCE TO COMPLY WITH THE REQUIREMENTS OF APPROVED DOCUMENT "J"
- ALL ELECTRICAL WORK TO COMPLY WITH IEE WIRING REGULATIONS, THIS MUST INCLUDE THE PROVISION OF APPROPRIATE CIRCUITS PROTECTED BY SUITABLE SAFETY DEVICES, THE POSITION AND SITING OF ALL SOCKETS, LIGHT SWITCHES AND POINTS AGREED WITH THE CLIENT AND COMPLYING WITH PART "M" OF THE BUILDING REGULATIONS 2000. ALL ELECTRICAL WORK IS TO COMPLY WITH BS7671. ELECTRICAL CONTRACTORS CARRYING OUT ELECTRICAL WORK MUST COMPLY WITH THE SAFETY PRINCIPLES SET OUT IN CHAPTER 13 OF BS 7671. 2001. ALL ELECTRICAL INSTALLATION WORK IS TO BE INSPECTED AND TESTED DURING AND ON COMPLETION OF THE WORK TO SEE THAT IT COMPLIES WITH BS7671. 2001. ALL ELECTRICAL INSTALLATION WORKS MUST BE NOTIFIED TO LOCAL AUTHORITY BUILDING CONTROL UNLESS THE WORK IS BEING CARRIED OUT BY AN ELECTRICIAN WHO IS QUALIFIED TO 'SELF CERTIFY' THEIR WORK UNDER THE 'COMPETANT PERSONS SCHEME'
- NEW CENTRAL HEATING & PLUMBING SYSTEMS TO BE INSTALLED INTO EXTENSION ROOMS & ALL WORK CARRIED OUT BY A REGISTERED GAS SAFE INSTALLER. POSITION OF RADIATORS & SUITABILITY OF THE BOILER TO BE AGREED WITH THE CLIENT. ALL RADIATORS FITTED WITH CONTROL VALVES
- DECORATION AND SERVICES TO CLIENTS INSTRUCTIONS
- ALL BUTTRESSING WALLS TO HAVE MIN 665mm RETURNS
- CAVITY TRAY D.P.C.s PROVIDED AT ALL ROOF / WALL ABUTMENTS LINKED TO FLASHING
- ALL WALLS FULLY BONDED WITH CONTINUOUS CAVITIES
- ALL WALLS BELOW D.P.C. LEVEL TO BE 305mm CAVITY WALLS, TWO LEAVES OF 105mm BRICKWORK WITH 90mm CAVITY FILLED WITH LEAN MIX CONCRETE TO WITHIN 225mm OF D.P.C. OR CLASS "A" TRENCH BLOCK & WALLS ABOVE D.P.C. TO EXTENSIONS TO BE 305mm CAVITY WALLS. OUTER LEAF OF 105mm RUSTIC FACING BRICK TO MATCH EXISTING. INNER LEAF OF 100mm CELCON SOLAR BLOCK WITH 12.5mm PLASTERBOARD ON MORTAR DABS SKIMMED. 90mm CAVITY FILLED WITH 90mm DRITHERM "32" INSULATION AND STAINLESS STEEL CAVITY TIES. INNER LEAF OF BLOCKWORK & 90mm CAVITY FILLED WITH DRITHERM INSULATION, STAINLESS STEEL CAVITY TIES
- CONSTRUCT 100mm x 50mm TIMBER STUD PARTITION FIXED TO EXISTING GARAGE WALL INFILLED WITH 100mm KINGSPAN INSULATION WITH 12.5mm PLASTERBOARD & SKIM & FIX 12.5mm PLASTERBOARD & SKIM TO GARAGE WALL ON ADHESIVE DABS
- TAKE OUT GARAGE PERSONNEL DOOR & FRAME & BUILD UP OPENING. FIT NEW GARAGE PERSONNEL DOOR & FRAME TO CLIENT SPECIFICATION IN GARAGE SIDE ELEVATION WITH SUITABLE LINTEL OVER
- EXTENSION GROUND FLOOR CONSTRUCTION TO BE 100mm SAND BLINDED HARDCORE, 1200 GAUGE VISQUEEN D.P.M. LAPPED ONTO HORIZONTAL D.P.C.s 100mm KINGSPAN THERMAFLOOR, 100mm CONCRETE FINISHED WITH 15mm ASPHALTE SCREED. 25mmSTYROFOAM INSULATION TO PERIMETER OF FLOOR SLAB ANY TIMBER FLOORS VENTED THROUGH DUCTWORK TO EXTERNAL AIR
- LIGHTING TO BE FLUORESCENT TUBE OR COMPACT FLUORESCENT LAMPS WITH LUMINOUS EFFICACY GREATER THAN 40 LUMENS PER CIRCUIT WATT
- FIT ARCHITRAVES & SKIRTINGS THROUGHOUT

PROPOSED GROUND FLOOR PLAN



PROPOSED REAR ELEVATION

Job 37 STONECROP, LIVERPOOL L18 3LU	
Title PROPOSED SINGLE STOREY EXTENSION AT THE REAR/SIDE	
Drawing number: REV. B. 17.5.16 16/164	
Scales 1:50	Date 18/04/16
CLIENT BRIAN COLLIN	
RICHARDS DESIGN 85 MELROSE DRIVE WINSTANLEY WIGAN WN3 6EG	

16 H 1391

01/01/2015

32. TAKE OUT SIDE WALL OF KITCHEN & FIT PAIR OF 178mm x 102mm x 19kg UNIVERSAL BEAMS BOLTED TOGETHER & BEARING ON CONCRETE SPREADER PADSTONES. BEAMS ENCASED WITH TWO LAYERS OF 9mm PLASTERBOARD & SKIM TO GIVE 1/2 HOUR FIRE RESISTANCE TO SUPPORT MAIN WALLS & ROOF & FLOORS OF MAIN BUILDING. BEAMS 3200mm LONG

KITCHEN EXTENSION ROOF TO BE MARLEY MODERN INTERLOCKING CONCRETE TILES LAID TO 25° PITCH ON 50mm x 25mm TILE BATTENS ON TYVED BREATHABLE FELT TO BS747 ON 150mm x 50mm S.W. RAFTERS AT 400mm CENTRES INCLUDING ALL NECESSARY WIND BRACING FORMED WITH 12mm PLYWOOD DIAPHRAGM NAILED TO UNDERSIDE OF RAFTERS. 225mm x 75mm S.W. RIDGE. 100mm x 75mm S.W. WALL PLATES 13mm PLASTERBOARD & SKIM. CEILING 100mm KINGSPAN INSULATION BETWEEN RAFTERS. 32.5mm BONDED PLASTERBOARD & KINGSPAN COMPOSITE BOARD. CEILING 200mm x 25mm U.P.V.C. FACIA BOARDS. 100mm PROFILED P.V.C. GUTTERS & 68mm BOX SECTION RAIN WATER DOWN PIPES. 150mm UPSTAND STEPPED LEAD FLASHINGS AT ROOF/WALL ABUTMENTS. FORM LEAD LINED VALLEY GUTTER BETWEEN THE TWO PITCHED ROOFS

FIT 2330mm WIDE 2100mm HIGH ARGON FILLED DOUBLE GLAZED U.P.V.C. BI FOLD DOORS & FRAME TO KITCHEN WITH ERTLEY INSULATED SUPERCALV. PRESSED STEEL LINTOL OVER

DRAINAGE

EXISTING SEPARATE SYSTEM. MODIFY DRAINAGE & RECONNECT ALL DRAINAGE TO EXISTING OUTFALL S.

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