



SECTION A

EXTERNAL WALLS 102.5mm FACING BRICK TO FRONT AND SIDE ELEVATIONS/100MM BLOCK TO REAR ELEVATION. 50MM CLEAR CAVITY. 100MM MEDIUM DENSITY FAIRFACED CONCRETE BLOCK TO STRUCTURAL ENGINEER SPECIFICATION. WITH THE EXCEPTION OF THE 2 X W.C'S, THE INTERNAL FACE OF THE BLOCKWORK NOT TO BE PAINTED.

BEA APPROVED WALL TIES SUITABLE FOR 50MM CAVITY. MINIMUM 82.5MM EMBEDMENT INTO BOTH LEAVES. 600MM HORIZONTAL AND 450MM VERTICAL CENTRES (EQUIVALENT OF 3.7 TIES PER M2) TIES TO BE EVENLY DISTRIBUTED OVER THE WALL AREA EXCEPT AROUND OPENINGS AND SHOULD PREFERABLY BE STAGGERED. AT VERTICAL EDGES OF AN OPENING, UNRETURNED OR UNBONDED EDGES, AND VERTICAL EXPANSION JOINTS, ADDITIONAL TIES SHOULD BE USED AT A RATE OF ONE PER 300MM HEIGHT LOCATED NOT MORE THAN 225MM FROM THE EDGE

PRE-FORMED OR 600MM WIDE SITE FORMED DPC CAVITY TRAY

HYLOAD (OR EQUIVALENT) DPC MINIMUM 2000GAUGE MIN. 150MM ABOVE ADJACENT FINISHED GROUND LEVEL. EDGE OF DPC NOT COVERED

MANTHORPE 'PEEP WEEP' VENTS (OR SIMILAR APPROVED) WEEP HOLES AT MAXIMUM 450MM CENTRES FITTED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS

GROUND FLOOR CONSTRUCTION

75MM OF RC25/30 TOPPING WITH 1NO LAYER OF A142 MESH TO STRUCTURAL ENGINEERS REQUIREMENT. OVER 1200 GAUGE DPM INSTALLED IN FULL ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS/RELEVANT DETAILS OVER P.C. SUSPENDED BEAM AND BLOCK FLOORING SYSTEM DESIGNED BY SPECIALIST FLOOR DESIGNER TAKING INTO ACCOUNT CLIENTS FLOOR LOADING REQUIREMENTS. AND INSTALLED IN FULL ACCORDANCE WITH FLOOR DESIGNERS REQUIREMENTS. PROVIDE CONTINUOUS 2000 GAUGE DPC TO UNDERSIDE OF FLOOR AT ALL WALLS. ENSURE MIN. 225MM CLEAR (SUBJECT TO STRUCTURAL ENGINEERS REQUIREMENTS) VOID BELOW SUSPENDED FLOOR VENTILATED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AS NECESSARY FOR DISSIPATION OF GROUND GASES. TELESCOPIC VENTS TO EXTERNAL WALLS AND CLAY AIR BRICKS TO INTERNAL SLEEPER WALLS TO PROVIDE CROSS VENTILATION TO VOID EQUIVALENT TO A MINIMUM OF 1500MM2 PER METRE RUN OF WALL. ENSURE THAT CONCRETE FLOOR BEAMS DO NOT SIT ONTO PLASTIC VENTILATOR UNITS. POSITION VENTS ACCORDINGLY. CONCRETE INFILL BLOCKS TO FLOOR DESIGNERS REQUIREMENT. BLOCKS / BEAMS TO BE CROUTED FULLY IN ACCORDANCE WITH FLOOR MANUFACTURERS RECOMMENDATIONS. CUT ENDS OF BEAMS TO BE PAINTED WITH 2 COATS OF LIQUID DPM.

CONSTRUCT IN TWO SKINS OF 7N DENSE CONCRETE BLOCKWORK BOTH 100MM THICK WITH 50MM CAVITY. THEREAFTER UP TO DPC LEVEL EXTERNAL SKIN TO BE FACING BRICKS. WHERE SERVICES / MAINS PASS THROUGH WALLS, PROVIDE SUITABLE PRE-STRESSED CONCRETE LINTEL OVER WITH 150MM DIA. PVC SLEEVE SURROUNDED IN WEAK MIX CONCRETE. SURROUND PIPES WITH 25MM POLYSTYRENE WITH WEAK MIX CONCRETE. RESIDUAL 50MM CAVITY FILLED WITH WEAK CONCRETE. FLOOR DPM TO CROSS WALL AND BE DRESSED UNDER CAVITY TRAY.

FOUNDATIONS

ALL TO THE SATISFACTION OF THE LOCAL AUTHORITY OR OTHER APPROVED INSPECTOR. GROUND CONDITIONS ARE TO BE CHECKED ON SITE TO DETERMINE EXACT FOUNDATION DEPTH AND DESIGNED AS NECESSARY BY APPOINTED STRUCTURAL ENGINEER. TO SUIT SITE CONDITIONS. FOUNDATIONS SHOWN ARE INDICATIVE ONLY.

225MM VENTILATED VOID

DETAIL 1

PROVIDE MAN-SAFE SYSTEM TO ALLOW FOR SAFE CLEANING OF THE GUTTER AND ROOFLIGHTS ON THE NORTH ELEVATION ONLY. THE MAN-SAFE SYSTEM TO BE A CONTRACTOR DESIGN ELEMENT.

100MM KINGSPAN KS1000RW COMPOSITE ROOFING INSTALLED IN FULL ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. COLOUR RAL 7016 'ANTHRACITE GREY'. ENSURE SUFFICIENT PROVISION IS MADE FOR FUTURE SOLAR PV ARRAY INSTALLATION ON SOUTH FACING ROOF SLOPE

PROFILLED POWDER COATED ALUMINIUM GUTTER. COLOUR RAL 7016. PART OF ROOF CLADDING PACKAGE?

STEEL GALVANISED EAVES BEAM

STEEL GALVANISED EAVES BRACKET

STEEL FRAME TO STRUCTURAL ENGINEERS REQUIREMENT

STUD WALLS TO W.C'S (NOT DRAWN ON SECTION)

OPTION 1: TIMBER STUDS: 75 x 38mm CLS STUDS AT MAX. 600mm CENTRES LINED BOTH SIDES WITH 12.5mm SOUNDBLOC PLASTERBOARD WITH 3mm PLASTER SKIM. MOISTURE RESISTANT PLASTERBOARD TO WC SIDE. 25mm ISOVER ARP 1200 ACOUSTIC INSULATION BETWEEN THE STUDS. SYSTEM PROVIDES 40dB SOUND RESISTANCE, 30 MINUTES FIRE RESISTANCE

OPTION 2: GYPWALL CLASSIC: GYPFRAME 70 S 50 'C' STUDS AT MAX. 600mm CENTRES, LINED BOTH SIDES WITH 12.5mm GYPROC SOUNDBLOC WITH 3mm PLASTER SKIM. MOISTURE RESISTANT PLASTERBOARD TO UTILITY, KITCHEN, BATHROOM, EN-SUITE AND W.CS. SYSTEM PROVIDES 40dB SOUND RESISTANCE, 30 MINUTES FIRE PROTECTION

DETAIL 2

GENERAL

UNDER NO CIRCUMSTANCES SHOULD DIMENSIONS BE SCALED FROM THIS DRAWING 'IF IN DOUBT ASK'.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS

ALL WORKS TO COMPLY TO ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICES, EURO CODES AND BUILDING REGULATIONS.

THE USE OF ALL MANUFACTURED MATERIALS AND COMPONENTS, WHETHER SPECIFIED HERE OR AT THE CONTRACTORS / SUB-CONTRACTORS CHOICE IS TO BE STRICTLY IN ACCORDANCE WITH MANUFACTURERS LITERATURE AND IN ACCORDANCE WITH ANY AGREEMENT CERTIFICATE. IT IS THE CONTRACTORS / SUB-CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL THE RELEVANT STANDARDS, MANUFACTURERS LITERATURE AND INSTRUCTIONS, AND BBA CERTIFICATES TOGETHER WITH ALL THE DOCUMENTS REFERRED TO ABOVE ARE AVAILABLE ON SITE. WHERE THESE DRAWINGS DIFFER FROM ANY MANUFACTURERS INFORMATION OR INSTRUCTIONS THIS IS TO BE DISCUSSED WITH THE ARCHITECT.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STRUCTURAL INTEGRITY OF THE WORKS BY THE PROVISION OF ADEQUATE TEMPORARY WORKS.

KINGSPAN KS1000 DLTR DAY-LITE TRAPEZOIDAL ROOFLIGHTS INSTALLED IN FULL ACCORDANCE WITH MANUFACTURERS REQUIREMENT. LENGTH OF ROOFLIGHT TO SUIT CLADDING RAIL SPACING

DETAIL 5

100MM KINGSPAN KS1000RW COMPOSITE ROOFING INSTALLED IN FULL ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. COLOUR RAL 7016 'ANTHRACITE GREY'. ENSURE SUFFICIENT PROVISION IS MADE FOR FUTURE SOLAR PV ARRAY INSTALLATION ON SOUTH FACING ROOF SLOPE

PROFILLED POWDER COATED ALUMINIUM GUTTER. COLOUR RAL 7016. PART OF ROOF CLADDING PACKAGE?

STEEL GALVANISED EAVES BEAM

STEEL GALVANISED EAVES BRACKET

PRE-FORMED OR 600MM WIDE SITE FORMED DPC CAVITY TRAY

PC LINTEL - MINIMUM 150mm BEARING

SINGLE LEAF WALL LINTEL SUCH AS CATNIC ANG/MBA

MANTHORPE 'PEEP WEEP' VENTS (OR SIMILAR APPROVED) WEEP HOLES AT MAXIMUM 450MM CENTRES FITTED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS

KINGSPAN KOOLTHERM CAVITY CLOSER. OR SIMILAR APPROVED

STEEL FRAME TO STRUCTURAL ENGINEERS REQUIREMENT

INDICATES HEIGHT OF STREET SWEEPER TO BE STORED IN BUILDING (2215MM)

STEEL HINGED OUTWARD OPENING DOUBLE DOORS - TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. COLOUR RAL 7016 'ANTHRACITE GREY'

DETAIL 4

ACO OR THRESHOLD DRAIN INSTALLED IN FULL ACCORDANCE WITH MANUFACTURERS REQUIREMENT. MUST BE SUITABLE FOR VEHICULAR TRAFFIC TO CROSS IT.

PAVING FALLS AWAY AT MIN 1:60, MAX 1:20 FROM EDGE OF BUILDING

DETAIL 3