

NOTES:  
 PART A - L  
 FOUNDATIONS  
 FOUNDATIONS TO BE CONCRETE 600mm WIDE AND MINIMUM 1000mm DEEP  
 ACTUAL DEPTH TO BE DETERMINED ON SITE BY BUILDING CONTROL OFFICER/STRUCTURAL ENGINEER  
 SUBSTRUCTURE  
 2% LEAF OF 200x100x440mm AND 200x100x440mm DENSE CONCRETE BLOCKWORK LAD WITH A CLASS 1 MORTAR. 3 COURSES OF BLUE ENGINEERING BRICK BELOW DAMP PROOF COURSE MINIMUM 150mm ABOVE FINISHED GROUND LEVEL WITH WEEP HOLES AT 400mm CENTRES WITH WEAR MIX CONCRETE CAVITY FILL TO CAVITY 225mm BELOW DPC LEVEL.  
 GROUND FLOOR CONSTRUCTION FIA VALUE 0.6  
 75mm THICK FIBRE REINFORCED SCREENED ON 500 GAUGE SLP MEMBRANE ON 50MM THICK CELOTEX GA4000 INSULATION ON 1200 GAUGE POLYTHENE DAMP PROOF MEMBRANE ON CONCRETE BLOCK & BEAM FLOOR WITH PERISCOPIC VENTILATORS AT MAX OF 2000MM CENTRES WITH A MIN 150MM CLEAR VOID BELOW DPC LEVEL.  
 PART B - FIRE SAFETY  
 SMOKE ALARMS & HEAT DETECTORS  
 MANS OPERATED SMOKE ALARMS TO BS 5446 PART 1 TO BE INSTALLED A MINIMUM OF 300mm AWAY FROM LIGHT FITTINGS AND INTER CONNECTED WITH EXISTING ALARMS. POSITIONS AS INDICATED ON PLANS.

WALL CONSTRUCTION  
 VERTICAL LARCH BOARDING ON HORIZONTAL & VERTICAL BATTENS, 100MM CONCRETE BLOCKWORK, 100MM CAVITY WITH 50MM GN4000 CELOTEX INSULATION, 100MM 7N CONCRETE BLOCKWORK, 15MM PLASTER.

INTERNAL PARTITIONS 75MM X 47MM STUDS AT MAX 600MM CENTRES, STUDWORK FINISHED BOTH SIDES WITH 12.5MM P/BOARD.  
 LINTELS  
 GATING P/E-INSULATED STEEL LINTELS OVER WINDOW AND DOOR FRAMES WITH D.P.C. UNDER GILLS. CAVITY TRAYS WITH STOP ENDS OVER LINTELS WITH WEEP HOLES AT 450mm LATERAL CENTRES  
 CAVITY TRAYS  
 PERFORMED CAVITY TRAYS WITH STOP ENDS TO ABUTMENTS OF ROOF AND EXTERNAL WALLS, OVER METER BOXES ETC. SEE SECTIONS FOR DETAILS

INTERNAL LINTELS  
 ALL INTERNAL LINTELS TO MANUFACTURERS SPECIFICATION  
 WINDOWS  
 POLYESTER POWDER COATED ALUMINUM WINDOWS & CURTAIN WALLING TO SPECIALIST DESIGN & DETAIL.  
 20mm MID WINDOW BOARDS WITH RETURN ENDS HOUSED TO WINDOW FRAMES. SEALED GLAZED UNIT TO COMPRISE THE FOLLOWING 4mm CLEAR LOW E GLASS, 24mm CAVITY 4mm CLEAR LOW E GLASS, 24mm TO BE DESIGNED IN ACCORDANCE WITH PAS24:2012 IF RESPONSE AS DESCRIBED IN PART Q

POLYESTER POWDER COATED DOORS, COMPLETE WITH HEAVY DUTY WEATHER STRIPPING, ESPAGNOLETTE LOCKING MECHANISM & SEALED GLAZED UNIT TO COMPRISE THE FOLLOWING 4mm CLEAR LOW E GLASS, 20mm CAVITY 4mm CLEAR LOW E GLASS, FRONT DOOR TO BE FITTED WITH SECURITY CHAIN. GLAZING TO DOORS TO BE IN SAFETY GLASS UP TO 1500MM ABOVE FINISHED FLOOR LEVEL. GLAZING TO WINDOWS TO BE MIN 600MM ABOVE FINISHED FLOOR LEVEL.

INTERNAL LOW ENERGY LIGHTING  
 100% OF ALL FITTINGS TO BE FITTED WITH LOW ENERGY FITTING TO COMPLY WITH PART L1 A OF THE BUILDING REGULATIONS. POSITIONS TO BE AGREED WITH BUILDING INSPECTOR ON SITE

VENTILATION  
 PURGE VENTILATION TO BE CAPABLE OF EXTRACTING A MINIMUM OF 4 AIR CHANGES PER HOUR PER ROOM.

MISCELLANEOUS DRAFTPROOFING WORKS  
 FILL GAPS IN THE CEILING AT ELECTRICAL FITTINGS AND WHERE PIPES RISE FROM HIGH HUMIDITY AREAS. PROVIDE DRAFT SEAL TO LOFT ACCESS HATCH AND BOLTS OR CATCHES TO ENSURE IT IS COMPRESSED. INSULATE THE GAP BETWEEN THE LAST CEILING JOIST AND THE GABLE WALL TO A HEIGHT OF AT LEAST 225mm ABOVE CEILING LEVEL.

MECHANICAL VENTILATION  
 MECHANICAL VENTILATION TO WC 5 TO BE PROVIDED BY EXTRACT FAN OPERABLE AT MINIMUM 15 LITRES PER SECOND  
 TOTAL BACKGROUND VENTILATION AREA TO PROVIDE A MINIMUM OF 3000MM<sup>2</sup> TO EACH HABITABLE AREA BY BACKGROUND VENTILATION AND INTERMITTENT EXTRACT FAN LOCATED TYPICALLY 1.7M ABOVE FLOOR LEVEL.

MAIN ROOF CONSTRUCTION 30 DEGREE TRUSSES (VENTILATED) REDLAND ROOF TILE OR SLATE 50 x 25MM SW TREATED BATTENS & PROPRIETARY BREATHABLE MEMBRANE & EAVES GUARD TRAY, ON SOFTWOOD TRUSSES AT MAXIMUM 600MM CENTRES RAFTER SECURED TO 100 x 50MM SW WALL PLATES STRAPPED DOWN W/5 STRAPS AT MAX 1800MM CENTRES 1000MM TO BE VENTILATED AT A RATE EQUIVALENT TO 25MM AT EAVES LEVEL PROVIDED BY A RYTONS VENTILATOR OR SIMILAR & 2MM TO THE RIDGE. PROMOTE 15MM FOIL BACKED P/BOARD CEILING. ROOF VOIDS TO BE VENTILATED AT EAVES LEVEL WITH RYTONS OR GLIDEVALE VENTILATION PRODUCTS. 300MM ROCKWOOL QUILT INSULATION LAD CROSSWAYS WITH 12.5MM FOIL BACK PLASTERBOARD & 9MM TO UNDERSIDE.

PITCHED ROOF  
 SLATE TO MATCH EXISTING ON 50 x 25MM TREATED SOFTWOOD BATTENS, GLAZE TO SLATE MANUFACTURERS DETAILS. TYNEK OR SIMILAR ROOFING MEMBRANE, 175 x 50MM OSB RAFTERS AT 400MM CENTRES, WITH 100MM CELOTEX BR4000 BETWEEN RAFTERS & 62.2MM UNDER RAFTERS WITH ALL JOINTS TAPED.

FLAT ROOF CONSTRUCTION  
 SINGLE PLY MEMBRANE ON 150MM INGGSPAN TR24 ROOF INSULATION, VAPOUR BARRIER AS RECOMMENDED BY THE ROOF FINISH MANUFACTURER, 18MM WBP FL WOOD DECKING, TREATED SOFTWOOD FININGS LAD TO FALL 25MM TO 100MM, TREATED SOFTWOOD FLAT ROOF JOISTS - 175 x 50MM C6 & 400MM CENTRES, 12.5MM FOIL BACK PLASTERBOARD & 9MM TO UNDERSIDE.

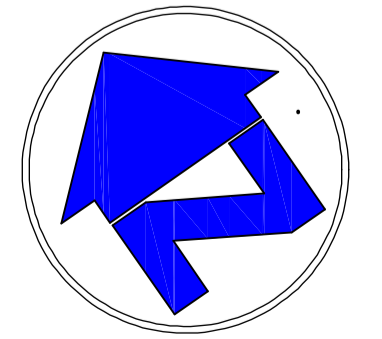
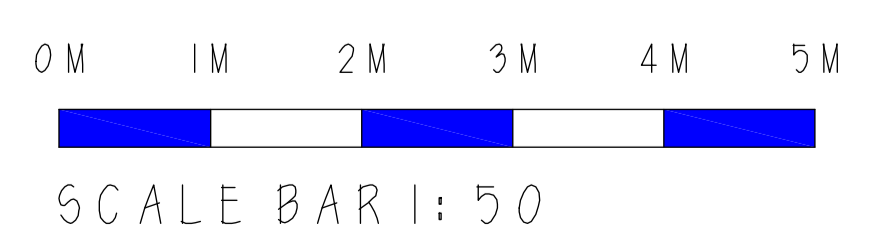
DRAINAGE EXTERNAL  
 100mm DIA. HEPWORTH PLASTIC BURIED DRAIN SYSTEM LAD TO 1 in 60 FALLS INCLUDING BEDDING & SURROUNDS, PIPEWORK AND FITTINGS WITH TIGHT FLEXIBLE JOINTS, LINTELS OVER PIPES PASSING THROUGH WALLS, FIBREGLASS SLEEVED AND SURROUNDED WITH 150mm PEA GRAVEL. ANY DRAINAGE RUNS UNDER BUILDING TO BE BED AND SURROUND IN 150 MM CONCRETE.

PUMMING  
 SOIL AND VENT PIPE IN 100mm UPVC, FIBREGLASS WRAPPED FULL HEIGHT AND ENCLOSED IN BOX-FRAMES CLAD WITH 12.5mm PLASTERBOARD VENTED THROUGH ROOF MINIMUM 1000mm ABOVE WINDOW HEAD LEVEL: 10mm WC BRANCHES, 40mm SINK, WASHING MACHINE & BATH WASTES, 32mm BASKIN WASTES (MAXIMUM 1.7m LENGTH / 38mm UP TO 3.6m), 20mm OVERFLOWS TO ANTI-BACKDRAFT ELBOW OUTLETS, 75mm DEEP SEAL TRAPS TO ALL FITTINGS. ALL UPVC SELF COLOURED WHITE WHERE VISIBLE INTERNALLY. RAINWATER GOODS IN GREY UPVC, INCLUDING DEEP FLOW UPVC GUTTERING WITH BRACKETS AT 600mm CENTRES AND AT ALL BENDS. OUTLETS AND JUNCTIONS, DEEP FLOW RAINWATER PIPES WITH BRACKETS AT MAXIMUM 1800mm CENTRES DISCHARGING INTO TRAPPED GULLIES. DURGO VALVES TO TERMINATE ABOVE OVERFLOW LEVEL OF BASIN.

ELECTRICAL  
 ELECTRICAL SOCKETS AND LIGHT SWITCHES TO BE POSITIONS IN ZONE BETWEEN 450MM AND 1200MM ABOVE FINISHED FLOOR LEVEL.  
 CONSUMER UNIT TO BE LOCATED BETWEEN 1950-1450MM FROM FLOOR LEVEL

EXTERNAL LIGHTING TO HAVE MAXIMUM 150W PER LIGHT FITTING & DAYLIGHT CONTROL FEATURE TO SWITCH OF LIGHTS WHEN NOT REQUIRED

GROUND FLOOR PLAN



**PRELIMINARY**



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client  
 BROOKTHORPE VILLAGE HALL

project  
 PROPOSED EXTENSION & INTERNAL ALTERATIONS AT BROOKTHORPE VILLAGE HALL, STROUD ROAD, BROOKTHORPE, GLOUCESTER GL4 0UR

description  
 PROPOSED FLOOR PLAN

scale	1:50	date	DEC 2019
drawn	MJA	checked	MJA
drawing no	1600 - 06	drg.size	A1