



# SECTION

MATERIALS AND WORKMANSHIP  
ALL MATERIALS AND WORKMANSHIP ARE TO COMPLY WITH THE RELEVANT AND CURRENT BRITISH STANDARDS AND INSPECTOR. CODES OF PRACTICE, CURRENT EDITION OF THE BUILDING REGULATIONS, AND TO THE APPROVAL OF THE BUILDING INSPECTOR PLUMBING TO COMPLY WITH BS 5572  
ALL STRUCTURAL TIMBER TO BE STRENGTH GRADED AND STAMPED DRY OR K.D. (KILN DRIED) AND THEREFORE NOT TANALISED, AS THIS WILL REINTRODUCE MOISTURE CAUSING SHRINKAGE AT A LATER STAGE OF COMPLETION OF BUILD.  
ELECTRICAL WORK TO COMPLY WITH THE CURRENT EDITION OF THE IEE REGULATIONS

GENERAL  
DO NOT SCALE OFF THE DRAWINGS.  
ALL HEIGHTS, LEVELS, SIZES AND DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND.  
THE MANUFACTURERS RECOMMENDATIONS ARE TO BE FOLLOWED IN RESPECT OF THE INSTALLATION AND FIXING OF ALL PRODUCTS AND ANY DISCREPANCIES BETWEEN THOSE RECOMMENDATIONS AND ANY OTHER REQUIREMENTS OF THE SPECIFICATION AND/OR DRAWINGS ARE TO BE NOTIFIED TO THE ARCHITECT.

A - STRUCTURE  
EXTERNAL WALLS:  
TO COMPRISE 100MM FACING BRICK TO MATCH EXISTING TO APPROVAL, FULL FILL ROCKWOOL CAVITY INSULATION OR 50MM KINGSPAN CAVITY WALL INSULATION AND 100MM HI-STRENGTH 7 THERMALITE BLOCK MIN 7.0 N/M2 COMPRESSIVE STRENGTH CONCRETE BLOCK LINED WITH 12.5MM PLASTERBOARD WITH PLASTER SKIM FINISH.

CAVITY WALL INSULATION TO PROVIDE MIN. 'U' VALUE OF 0.30W/M2K AND TO HAVE AN OZONE DEPLETION POTENTIAL OF 0.10 OR LESS. STAINLESS STEEL WALL TIES, TO BS 1449 PART 2 1983, AT MAX. 750MM HORIZONTAL AND MAX. 450MM VERTICAL STAGGERED CENTRES. CAVITY WALLS TO BE CLOSED AT EAVES WITH BLOCKWORK. CAVITY CLOSED AROUND ALL OPENINGS WITH PREMANUFACTURED INSULATED DPC'S.  
HORIZONTAL DPC'S TO BE MIN. 150MM ABOVE GROUND LEVEL. INSULATED DPC'S TO BE PROVIDED TO ALL HORIZONTAL AND VERTICAL OPENINGS WITH STEPPED CAVITY DPC'S ABOVE ALL EXTERNAL OPENINGS EXTENDING 225MM TO EACH SIDE OF OPENING AND WITH STOPPED ENDS AND INSULATION.  
WEEPHOLES TO BE PROVIDED AT MIN. 900MM CENTRES AT GROUND LEVEL, MIN. OF 2 PER OPENING AND AT ALL CAVITY TRAYS AND LINTELS.

CHASES:  
VERTICAL CHASES TO WALLS MUST NOT BE DEEPER THAN ONE THIRD OF WALL/LEAF THICKNESS.  
HORIZONTAL CHASES TO WALLS MUST BE NOT DEEPER THAN ONE SIXTH OF WALL/LEAF THICKNESS.

LINTELS:  
TO EXTERNAL OPENINGS: PREFABRICATED STEEL LINTELS TO BE 'CATNICK' SECTION AND INCORPORATING THERMAL BREAK WITH MIN. 150MM BEARING TO EACH END WITH DPC OVER. TO MANUFACTURES SPECIFICATION.

B - FIRE  
ALL ELEMENTS OF STRUCTURE TO BE PROTECTED TO A HALF HOURS FIRE RESISTANCE.  
PARTY WALLS TO BE PROTECTED TO AN HOURS FIRE RESISTANCE.

ONE NO. MAINS OPERATED HEAT DETECTOR IS TO BE FITTED IN KITCHENS TO CONFORM TO BS 5446: PART 1 AND TO BUILDING REGULATIONS APPROVED DOCUMENT B1 SECTIONS 1.8 - 1.15.  
ONE NO. MAINS OPERATED SMOKE DETECTOR IS TO BE FITTED IN EACH HALLWAY TO CONFORM TO BS 5446: PART 1 AND TO BUILDING REGULATIONS APPROVED DOCUMENT B1 SECTIONS 1.8 - 1.15.

C - SITE PREPARATION AND RESISTANCE TO MOISTURE  
1200G POLYTHENE DPM TO BE DRESSED UP WALLS AND MARRIED TO DPC.  
VERTICAL DPC TO BE PROVIDED AT ALL OPENINGS AND RIGID CAVITY TRAY TO BE PROVIDED ABOVE ALL LINTELS AND AT ABUTMENTS WITH 150MM UPSTAND CODE 4 LEAD FLASHING.  
HORIZONTAL DPC'S TO BE MIN. 150MM ABOVE GROUND LEVEL.  
DPC'S TO BE PROVIDED TO ALL HORIZONTAL AND VERTICAL OPENINGS WITH STEPPED CAVITY DPC'S ABOVE ALL EXTERNAL OPENINGS EXTENDING 225MM TO EACH SIDE OF OPENING AND WITH STOPPED ENDS AND INSULATION.  
WEEPHOLES TO BE PROVIDED AT MIN. 450MM CENTRES AT GROUND LEVEL, MIN. OF 2 PER OPENING AND AT ALL CAVITY TRAYS AND LINTELS.

D - TOXIC SUBSTANCES  
UREA-FORMALDEHYDE FOAM IS NOT TO BE USED AS CAVITY WALL INSULATION.

E - SOUND.  
PARTITIONS AROUND SANITARY ACCOMMODATION TO BE 75MM TIMBER STUDS WITH 12.5 MM FOIL BACK PLB AND 5MM SKIM. LINED WITH 50MM 'ROCKWOOL FLEXI'. ALL ELEMENTS OF STRUCTURE TO BE SUBJECT TO PRE-COMPLETION SOUND TESTING  
PARTY WALLS TO BE 200MM CONCRETE BLOCK WALL LINED WITH 12.5MM PLASTERBOARD WITH 5MM PLASTER SKIM FINISH)

F - VENTILATION.  
OPENING LIGHTS TO WINDOWS TO ALL HABITABLE ROOMS TO BE A MIN. OF 1/20TH OF THE ROOM FLOOR AREAS.  
ALL WINDOWS ARE TO BE FITTED WITH CLOSEABLE TRICKLE VENTS TO PROVIDE THE BACKGROUND VENTILATION OF 8000MM2  
ALL OPENING WINDOWS TO HAVE 2 LOCKABLE FASTENERS WITH 2 LOCKING POSITIONS TO ALLOW FOR BACKGROUND VENTILATION.  
ROOFSPACE TO BE VENTILATED BY 25MM CONTINUOUS VENT GAP AT EAVES AND VIA VENTILATED RIDGE TILE.  
MECHANICAL VENTILATION TO KITCHENS TO PROVIDE EQUIVALENT OF 30 LITRES /SECOND AT COOKERHOOD.  
MECHANICAL VENTILATION TO BATHROOMS TO PROVIDE EQUIVALENT OF 15 LITRES /SECOND WITH 15MIN OVER-RUN.

G - HYGIENE.  
THE HOT WATER SYSTEM IS TO BE VENTED.  
ALL HOT WATER TO SINKS AND BASINS TO BE FROM BOILER IN ACCORDANCE WITH SPECIALIST ENGINEER DETAILS & CALCULATIONS.  
COLD WATER DIRECT FROM MAINS SUPPLY.  
SANITARY CONVENIENCES AND WASHING FACILITIES:  
WC & WHB'S PROVIDED AS INDICATED AND ALL WASH UNITS TO HAVE HOT WATER.

H - DRAINAGE.  
APPLIANCES SHALL BE FITTED WITH THE FOLLOWING TRAPS:  
WASH BASIN - 32MM DIA. BOTTLE TRAP WITH 75MM SEAL.  
SINK - 40MM DIA. BOTTLE TRAP WITH 75MM SEAL.  
WC PAN - 100MM DIA. MINIMUM WITH 50MM SEAL, WITH CONNECTIONS TO 100MM S&V PIPE.  
WASH BASINS DISCHARGE TO 32MM DIA. WASTE PIPE TO 38MM BRANCH PIPE (WHERE TWO FITTINGS ARE LINKED) OR 50MM (WHERE MORE THAN TWO FITTINGS ARE LINKED) CONNECTION TO 100MM DIA.

SOIL VENT PIPES TO TERMINATE AT VENT TILE MIN 900 ABOVE ANY WINDOW OPENING.  
SINKS TO DISCHARGE THROUGH TRAP TO 38MM D. WASTE AND THEN TO GULLY OR SVP AS INDICATED.  
PIPEWORK INSTALLATION TO BE CAPABLE OF WITHSTANDING AIR TEST OF POSITIVE PRESSURE OF 38MM WATER GAUGE FOR THREE MINS.  
GULLIES TO SINKS AND/OR WASHBASINS WHERE PROVIDED ARE HEPWORTH ACCESS GULLIES & INTEGRAL VERTICAL VERTICAL BACK INLET CODE SUPERSLEVE 191A OR EQUAL APPROVED.  
GULLIES TO BE FITTED WITH SUITABLE RAISING PIECES TO ALLOW MIN. 100MM OF COVER TO TOP OF GULLY OUTLET.  
ALL PIPES WITHIN 1000MM OF EDGE OF FOUNDATIONS TO BE ENCASED WITH CONCRETE BY FILLING TRENCH. CONCRETE FILL TO BE PROVIDED TO AT LEAST THE LEVEL OF UNDERSIDE OF ANY ADJACENT STRIP FOOTING.

MINIMUM FALL ON WASTES TO BE 1 IN 40.  
ALL UPVC PIPEWORK TO BE TO BS 4514

RODDING EYES  
RODDING EYES ON NEW DRAINS WHERE INDICATED TO BE HEPWORTHS CODE SUPERSLEVE SRP111 ALUMINIUM WITH SEAL PLATE AND SAFETY VALVE OR EQUAL APPROVED.

RAINWATER DRAINAGE  
ALL GUTTERS ARE TO BE MARLEY FLOWLINE BLACK PVC LAID FLAT DISCHARGING INTO 88 DIA RWP. RAIN WATER PIPES TO DISCHARGE INTO HEPWORTH SG31 ACCESS GULLY WITH RAISING PIECES TO PROVIDE MIN. 100MM COVER TO TOP OF GULLY OUTLET GRATINGS TO BE SUPPLIED IN CAST ALUMINIUM AND TO BE LOCKABLE.  
ALL PIPES AND GUTTERING TO BE FIXED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.  
WHERE DRAINS PASSING THROUGH WALLS, LINTEL TO BE PROVIDED AND MIN. 50MM CLEARANCE AROUND PIPE.

MATERIALS  
ALL NEW PIPEWORK TO BE HEPWORTH SUPERSLEVE WITH MECHANICAL FLEXIBLE JOINTS OR SIMILAR APPROVED.

BEDDING AND BACKFILLING  
ALL PIPES TO HAVE CLASS B BEDDING FACTOR 1.9 OR SUITABLE APPROVED DEPENDANT ON GROUND CONDITIONS.

INSPECTION CHAMBERS & MANHOLES  
INSPECTION CHAMBERS TO BE HEPWORTH POLYPROPYLENE 475MM DIAM. OR SIMILAR APPROVED WITH MIN DUCTILE IRON LIGHTMED. COVER AND FRAME TO SUIT, WHERE NEW DRAIN CONNECTS TO EXISTING, NEW 1200 DIAMETER CONCRETE RING (KITE MARKED) MANHOLE M.H. TO HAVE KITE MARKED GRADE B, D.I. MEDIUM/HEAVY 600x600 COVER. M.H. TO BE CONCRETE CASED.

J - HEAT PRODUCING APPLIANCES  
ALL FLUES TO COMPLY WITH PART J OF THE BUILDING REGULATIONS.

L - CONSERVATION OF FUEL AND POWER  
ROOFS TO BE INSULATED AS DESCRIBED ELSEWHERE AND TO HAVE A U-VALUE OF 0.25W/M2K OR BETTER.  
WALLS TO BE INSULATED AS DESCRIBED ELSEWHERE AND TO HAVE A U-VALUE OF 0.35W/M2K OR BETTER.  
FLOOR TO BE INSULATED AS DESCRIBED ELSEWHERE AND TO HAVE A U-VALUE OF 0.25W/M2K OR BETTER.  
WINDOWS AND EXTERNAL DOORS TO BE UPVC WITH INSULATED FRAME & PILKINGTON 'K-GLASS'. GLAZING WITH 16MM AIR GAP AND TO HAVE A U-VALUE OF 2.2W/M2 BETTER.  
LIVING AREAS AND BATHROOMS TO BE FITTED WITH ENERGY EFFICIENT LAMPS WITH A LUMIN EFFICIACY GREATER THAN 40 LUMENS PER CIRCUIT-WATT.

M - ACCESS AND FACILITIES FOR DISABLED PEOPLE

ALL SOCKETS AND SWITCHES ARE TO BE IN ACCORDANCE WITH M2, SECTION 8.  
ALL GROUND FLOOR BATHROOMS TO BE IN ACCORDANCE WITH M1, SECTION 10.

N - GLAZING  
ALL GLAZING IN CRITICAL LOCATIONS TO BE TO B.S. 6206 : 1981, EACH PANE IS TO BE MARKED ACCORDINGLY.  
WHERE GLAZING OCCURS BELOW 800MM FROM FFL., IT IS TO COMPLY WITH PART N OF THE BUILDING REGULATIONS.  
TOUGHENED GLAZING TO BE USED BELOW 800MM FROM FFL

P - ELECTRICAL SAFETY  
All electrical work covered by Part P (Electrical Safety) must be designed, installed, inspected and tested by a person competent to do so. This person must be registered with an authorised self-certification scheme (eg. BRE Certification, BSI, Elecsa, NICEIC, or NAPIT Certification).  
Prior to completion an appropriate BS7671 electrical installation certificate must be provided by the competent person.

NEW BOILER IS TO COMPLY WITH THE GUIDANCE GIVEN IN APPROVED DOCUMENT L1, 2002 AND SHOULD BE SITED IN ACCORDANCE WITH THE GUIDANCE GIVEN IN APPROVED DOCUMENT J 2002 EDITION ANY NEW OR REPLACEMENT GAS FITTINGS SUCH AS BOILERS SHOULD BE INSTALLED BY A GAS SAFE REGISTERED INSTALLER.

ANY NEW BOILER TO HAVE A MIN SEDBUK RATING OF 86% FOR A MAINS MAINS GAS

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