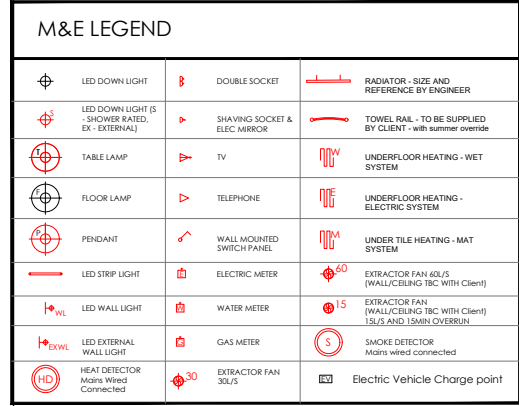
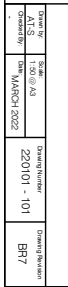
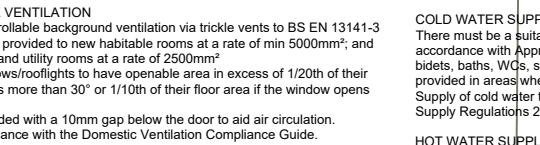




EXTRACT TO KITCHEN / UTILITY
Kitchens to have mechanical ventilation with an extract rating of 60l/sec or 30l/sec if adjacent to hob to external air, sealed to prevent entry of moisture. Internal doors should be provided with a 10mm gap below the door to aid air circulation. Ventilation provision in accordance with the Domestic Ventilation Compliance Guide. Intermittent extract fans to BS EN 13141-4. Cooker hoods to BS EN 13141-3. All fixed mechanical ventilation systems, where they can be tested and adjusted, shall be commissioned and a commissioning notice given to the Building Control Body

WATER EFFICIENCY
The estimated water consumption not to exceed 125 litres per person per day in accordance with Approved Document G2 (or 110L per-person if required by the planning conditions) . Water Efficiency to be calculated using the 'Water Efficiency Calculator for New Dwellings' or from the list of fittings from the 'Table of fittings' in ADG to comply with part G. The results submitted to building control before works commence on site.

Water calculation to be in compliance with Code for Sustainable Home Level 3/4 as stipulated by the local Planning Authority. Example calculation below;
WC 5/3 (dual flush)
Taps (excluding kitchen taps) 4 / Baths 180 / Shower 8 / Kitchen sink taps 6 / Washing machine 8.17 (not supplied) / Dishwasher 1.25 (not supplied) / Water recycling 0 (not supplied)
Predicted per capita consumption (Code) 103.28



HOT WATER STORAGE SYSTEMS

Hot water storage systems should be designed and installed in accordance with BS 12897 2006. Hot water vessels, cisterns etc and must be adequately supported.

Any hot water storage system including any cistern or other vessel shall incorporate a pressure relief valve to prevent the pressure rising to such an extent that any safety device is safely conveyed to where it is visible but will not cause harm to persons in or about the building. Precautions to be in place to prevent stored water stored exceeding 100°C. Hot water vessels to be fitted with a non self resetting energy cut out to instantly disconnect the power supply. Outlets from domestic hot water storage vessels to be fitted with an in line valve to prevent water temperatures exceeding 60°C. All pipes carrying hot water to be insulated where they are accessible to prevent scalding. All hot water storage systems to carry suitable warning labels. Relevant certificates for the heating system i.e. Benchmark certificate, and commissioning certificates for fixed building services are to be given to the building owner or a copy provided to Building Control on completion.

EXTERNAL WALL
TO ACHIEVE MIN U-VALUE REQUIRED OF 0.18 W/M²K
 WALL CONSTRUCTED USING BRICKWORK TO MATCH EXISTING AT LEAST 225MM THICK. INSULATE WALL ON THE INSIDE USING 125MM CELOTEX GA 4000 INSULATION. FINISH WITH 12.5MM PLASTERBOARD OVER VCL AND 3MM SKIM COAT OF FINISHING PLASTER. BATTEN OUT TO PROVIDE A NOMINAL 25MM CAVITY BETWEEN THE MASONRY AND INSULATION (50MM CAVITY TO BE PROVIDED IF REQUIRED BY BUILDING CONTROL).
 WALL INTO BE PROVIDED WITH A VANDEE SLURRY INTERNALLY IF REQUIRED BY BCO.

[illegible]