

WATER HEATER SCHEDULE						
REF.	MANUFACTURER	PRODUCT	ELECTRICAL IMMERSION	VOLUME (Ltr)	SIZE (mm)	TYPE
EWH-01	ARISTON	ANDRIS LUX ELECTRIC WATER HEATER	2.5kW	15	360(H) x 360(W) x 346(D)	UNVENTED c/w EXPANSION KIT
EWH-02	ARISTON	ANDRIS LUX ELECTRIC WATER HEATER	2.5kW	15	360(H) x 360(W) x 346(D)	UNVENTED c/w EXPANSION KIT
EWH-03	ARISTON	ANDRIS LUX ELECTRIC WATER HEATER	2.5kW	10	315(H) x 315(W) x 250(D)	UNVENTED c/w EXPANSION KIT
EWH-04	ARISTON	ANDRIS LUX ELECTRIC WATER HEATER	2.5kW	10	315(H) x 315(W) x 250(D)	UNVENTED c/w EXPANSION KIT
- All electric water heaters (EWH) shall be unvented and c/w expansion vessel, non-return valve, bar pressure reduction valve and discharge tundish. Expansion vessel should be fitted vertically to allow water to fully drain. - All electric taps (ET) shall be co-ordinated with main contractor to ensure adequate space to install the associated control body. The main contractor shall ensure adequate ventilation is provided where control body is to be housed within a cupboard. - All electric dispensers (ED) shall be mounted a minimum of 300mm above the sink and tundish drain shall be connected to main drainage collector pipe. - Both EWHs and ETs shall be cross bonded as necessary to prevent a potential difference occurring. Cross bonding and final electrical termination shall be undertaken by a Qualified Electrical Engineer. - Where an EWH, ET or ED is supplied on a plug top, the installing engineer shall ensure they plug in a socket tester to check the correct polarity before commissioning.						

- Note:
- The design and installation of the hot and cold-water systems shall comply in all respects to the regulations and in particular the current edition of BS 6700, shall incorporate all necessary devices and precautions to prevent the waste and contamination of the water supply to the satisfaction of the Approving Authority.
 - All pipe work and fittings shall be in copper tube in accordance with the current edition of BS 1057 with fittings to BS 864. Capillary fittings shall be used where pipe work is exposed.
 - All mains water drinking points within the Branch shall be labelled.
 - The following maximum flow rates shall be provided:

- WC's 0.15 L/s

- Spray Tap 0.05 L/s

- Basin (Non-Spray Tap) 0.10 L/s

- Sink Tap (Cleaners) 0.20 Ls
 - Maximum flow rates shall not exceed the above figures by installing WTL compliant flow controllers/regulators to each wash hand basin in WC's and staff rooms. Note, this is not required on cleaners' sinks and only applicable if replacement is indicated on the drawings.
 - Pressure reducing valves shall also be installed to prevent excessive pressure and splashing of water at an appliance for all mains cold water supplies or booster sets.
 - Electric hot water heaters shall be provided at point of use.
 - Where heaters are of the storage type, they shall be capable of 24-hour control with negligible standing losses.
 - The water heater(s) shall be provided complete with all necessary controls, accessories, safety features and a connection to the MCWS and drainage.
 - The installation of new services shall comply with Health & Safety and CIBSE Control of Legionellae guidance documents to ensure 60°C water storage and 55°C draw-of within one minute at the tap, cleaner's sink(s), or inlet of a blending valve.
 - Blending valves shall be installed at all taps to ensure water is delivered to the outlet at 41°C. Dead legs shall be avoided and equipment/pipes exposed to external heat gains shall be insulated.
 - Insulation shall be provided to all exposed hot and cold-water pipe work and where installed within ducts, voids and false ceilings.
 - Exposed FOH pipework shall be chrome plated unless detailed otherwise.

Legend:

	DHS - DOMESTIC HOT WATER SUPPLY
	MCW - MAINS COLD WATER SUPPLY
	SINGLE HOT TAP
	SINGLE COLD TAP
	TAP-MIXED TEMPERATURE, CW SERVICE VALVE, INTEGRAL FLOW LIMITER & THERMOSTATIC MIXING VALVE TO TMV3 STANDARDS
	ELECTRIC WATER HEATER
	THERMOSTATIC MIXING VALVE
	ISOLATION VALVE

Rev	Date	Revision Notes	BY	CH
P03	24.03.23	REVISED CP	AA	MC
P02	25.11.22	UPDATED AS NOTED	AA	MC
P01	18.11.22	FIRST ISSUE	AA	MC

Client:	LLOYDS BANKING GROUP
Project:	HALIFAX WREXHAM HOPE STREET 55 HOPE STREET WREXHAM LL11 1AF
Status:	PRELIMINARY
All dimensions in mm except where otherwise stated. Dimensions up to 1 metre +/- 0.5mm. Dimensions 1 metre to 5 metres +/- 1mm. Except where otherwise stated. © Copyright drawing.	



Drawing Title: FIRST FLOOR WATER HEATER SERVICES LAYOUT			
Drawing No. 50960570-79G-RD-01-M2-EL-2301		Revision No. P03	
Drawn: AA	Checked: MC	Scale @A1: 1:50	Originated Date: 18.11.22

