BREAK TANK & BOOSTER SET SCHEDULE

ITEM	LOCATION	MAX. FLOW RATE (L/s)	MAX. PRESSURE (BAR)	ELECTRICAL DATA	POWER	MANUFACTURER/ MODEL
BS01	SLUICE	0.13	1.5	1 PHASE, 230V, 50Hz	0.35kW	ARROW VALVES LTD / BTMIDI-1L

1.00 BS01 SHALL BE PROVIDED WITH AN MIDIBRA WALL MOUNTING BRACKET AND A BTDT3 STAINLESS STEEL DRIP TRAY.
2.00 CONTACT: MILLIE GRADY (ARROW VALVES LTD); TEL 01442 823 123

WATER CONDITIONER SCHEDULE

ITEM	LOCATION	MAKE	MODEL	ELECTRICAL DATA	POWER
HY01	UTILITY ROOM	HYDROTEC	HY-MAG-DN25	1 PHASE, 230V, 50Hz	31W

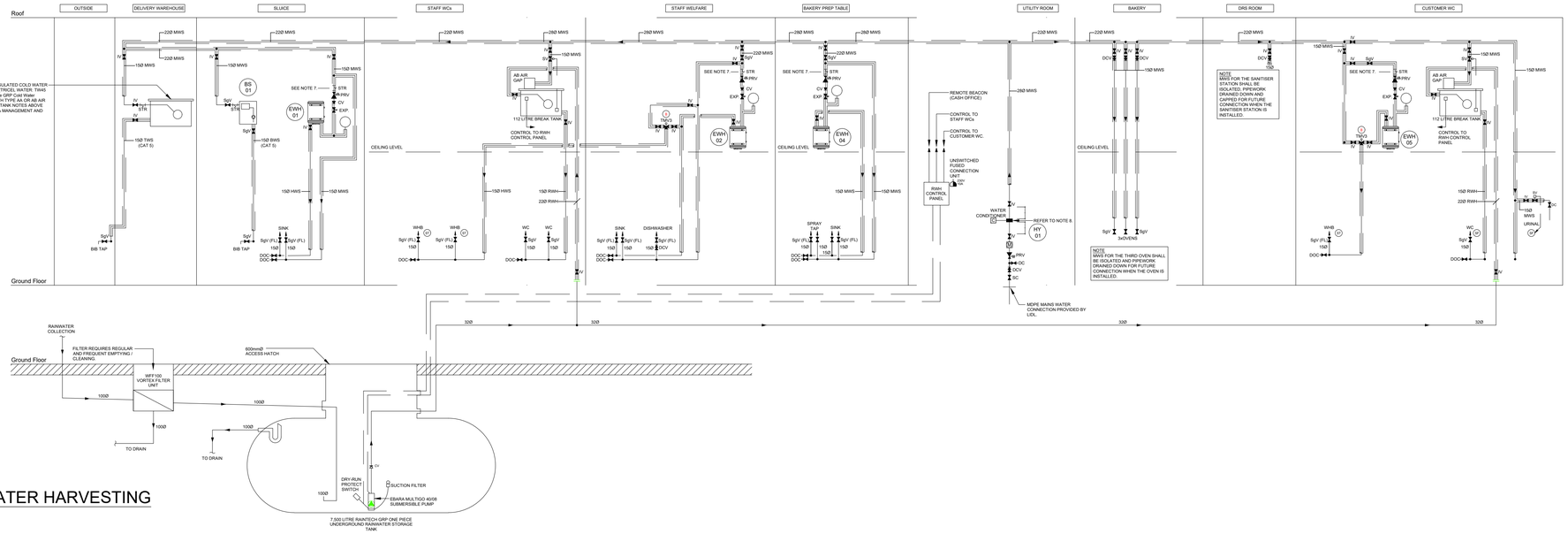
ELECTRIC WATER HEATER SCHEDULE

ITEM	LOCATION	ELECTRICAL DATA	RATED POWER	MANUFACTURER/ MODEL	ACCESSORIES
EWH01	SLUICE AREA	1 PHASE, 230V, IP24	3kW	HYCO - POWERFLOW SMART PF30LS	-
EWH02	STAFF WELFARE	1 PHASE, 230V, IP24D	1.2kW	HYCO - SPEEDFLOW SF15L1	SF7 KIT
EWH03	BAKERY	1 PHASE, 230V, IP24D	1.2kW	HYCO - SPEEDFLOW SF15L1	SF7 KIT
EWH04	CUSTOMER WC	1 PHASE, 230V, IP24D	1.2kW	HYCO - SPEEDFLOW SF15L1	SF7 KIT

FLOW LIMITING VALVE AND CARTRIDGE SCHEDULE

MANUFACTURER	TYPE	MODEL	LOCATION	MANUFACTURER/ MODEL	COMMENTS
ARROW VALVES LTD	VALVE	AFL15CL	ALL AREAS	-	15mm AFL VALVE COMP DZR NICKEL c/w LEVER
	CARTRIDGE	AFLC04	WHB'S	0.040	IDENTITY DISC COLOUR: PURPLE
	CARTRIDGE	AFLC07	KITCHEN SINK	0.070	IDENTITY DISC COLOUR: LIGHT GREY
	CARTRIDGE	AFLC10	REMAINING SINKS	0.100	IDENTITY DISC COLOUR: BLACK

1.00 CONTACT: MILLIE GRADY (ARROW VALVES LTD); TEL 01442 823 123



RAINWATER HARVESTING NOTES

1. SYSTEM TO BE DESIGNED, SUPPLIED INSTALLED AND COMMISSIONED IN FULL ACCORDANCE WITH BS EN 16941-1:2024.
2. CONTRACTOR TO ENSURE ALL COMPONENTS (FILTERS, STORAGE TANKS, PUMPS, PIPEWORK, CONTROLS) ARE SIZED AND SPECIFIED TO SUIT SYSTEM DEMAND AND INTENDED USE (E.G. WC FLUSHING).
3. NON-POTABLE PIPEWORK TO BE INSTALLED IN ACCORDANCE WITH BS EN 16941-1:2024 AND CLEARLY IDENTIFIED:
   - 3.1. EXTERNALLY: USE BLACK PIPE WITH GREEN STRIPES AS PER BS 8515:2009+A1:2013.
   - 3.2. INTERNALLY (ONCE INSULATED OR CONCEALED): PIPEWORK MUST BE LABELLED AT REGULAR INTERVALS, WITH PIPE MARKERS OR IDENTIFICATION TAPE INDICATING “NON-POTABLE - DO NOT DRINK,” PER BS 1710 AND BS 8554 GUIDANCE.
4. BACKFLOW PROTECTION TO BE PROVIDED TO FLUID CATEGORY 5 RISK IN ACCORDANCE WITH WATER SUPPLY (WATER FITTINGS) REGULATIONS 1999.
5. STORAGE TANKS MUST BE VENTED, ACCESSIBLE FOR MAINTENANCE, AND INCLUDE OVERFLOW PROTECTION, AND FILTRATION AS PER STANDARD.
6. ENSURE CLEAR SEPARATION BETWEEN POTABLE AND NON-POTABLE SYSTEMS; CROSS-CONNECTION IS PROHIBITED.
7. CONTRACTOR TO ALLOW FOR COMMISSIONING AND SYSTEM TESTING, INCLUDING OVERFLOW CHECKS AND SYSTEM START-UP PROCEDURES.
8. CONTRACTOR TO INCLUDE PROVISION FOR OPERATION & MAINTENANCE MANUALS, USER GUIDANCE, AND PERMANENT SYSTEM SIGNAGE AS PER STANDARD.
9. CONTACT: PAUL MUNNS (GREENSHOP GROUP). TEL: 01452 772 000 EMAIL: paul@greenshopgroup.co.uk

LEGEND

- B — TMV3 BLENDING VALVE SET AT 40-43°C c/w CHECK VALVES AND STRAINERS.
- SF — SENSOR FLUSH.
- ST — SENSOR TAP.
- M — WATER METER c/w PULSED OUTPUT WIRED BACK TO STORE BMS.
- SC - STOP COCK
- STR - STRAINER.
- SgV - SERVICE GATE VALVE.
- DOC - DRAIN OFF COCK.
- CV - CHECK VALVE.
- DCV - DOUBLE CHECK VALVE.
- IV - ISOLATING VALVE.
- SV - SOLENOID VALVE.
- DC - DC INTERRUPTER VALVE.
- HWS - HOT WATER SERVICE.
- MWS - MAINS WATER SERVICE.
- PRV - PRESSURE REDUCING VALVE
- SgV (FL) - 15mm SERVICING VALVE WITH AUTOMATIC FLOW LIMITING CARTRIDGE LIMITING FLOW TO THE FOLLOWING:
  WHB's - 0.048l/s
  SINK's (KITCHEN SINK) - 0.08l/s
  SINK's (BAKERY, CLEANERS) - 0.12l/s
  URINAL - 2l/BOWL PER HOUR
  WC's - 4l/flush
  DISHWASHER - 12l/cycle

NOTES

1. ALL PIPEWORK TO BE INSULATED. CWS TO BE ADDITIONALLY VAPOUR SEALED.
2. ALL PIPEWORK TO BE ENCLOSED SUPPLEMENTARY BONDING.
3. ALL PIPE SIZES AND EQUIPMENT ARE INDICATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING ALL FINAL PLANT SELECTIONS AND EQUIPMENT SIZES.
4. TAPS TO INCORPORATE SENSOR CONTROL AND TOILETS INFRA-RED FLUSHING CONTROL.
5. CONTRACTOR SHALL ALLOW FOR THE INSTALLATION OF WATERLESS TRAPS ON ALL PRESSURE RELIEF PIPEWORK.
6. ALL PENETRATIONS THROUGH FLOOR SLAB TO GROUND FLOOR TO BE FIRE SEALED.
7. MAINS WATER COLD FILL TO ELECTRIC WATER HEATER TO INCLUDE MANUFACTURER'S UNVENTED KIT.
8. REGIONS WHERE WATER HARDNESS IS GREATER THAN 10 DEGREE CLARK (OR 143 PPM) A PHYSICAL WATER CONDITIONER SHALL BE PROVIDED ON THE INCOMING MAIN. REFER TO PERFORMANCE SPECIFICATION FOR DETAILS.

COLD WATER STORAGE TANK NOTES

1. COLD WATER STORAGE TANKS MUST BE CONSTRUCTED FROM NON-DELETERIOUS MATERIALS WHICH MUST BE WRAS APPROVED.
2. COLD WATER STORAGE TANKS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE CURRENT WATER SUPPLY (WATER FITTINGS) REGULATIONS 1999, INSTALLED IN APPROPRIATE AND SUITABLE LOCATIONS TO ALLOW EASY AND SAFE ACCESS TO FACILITATE INSPECTION AND MAINTENANCE.
3. COLD WATER STORAGE TANKS SHOULD BE PROTECTED FROM THE INGRESS OF LIGHT, INSECTS AND BIRDS.
4. COLD WATER STORAGE TANKS SHOULD BE ARRANGED SO AS TO MINIMISE THE RETENTION TIME OF STORAGE WATER AND THEREFORE INCREASE THE RATE OF STORED WATER EXCHANGE.
5. COLD WATER STORAGE TANKS SHOULD BE DESIGNED IN ORDER THAT THE STORED WATER IS MAINTAINED AT A TEMPERATURE OF <20°C.

Rev	Date	Revision Details	By	Chkd	Appd
P7	APR 26	LEVELS AT ADOPTED HIGHWAY ADDED	GRE		
P6	APR 26	AMENDMENTS FOLLOWING COMMENTS	GRE		
P5	APR 26	PERMEABLE SURFACING ADDED	GRE		
P4	JAN 26	SITE LAYOUT UPDATED	GRE		
P3	FEB 25	SITE LAYOUT UPDATED	GRE		
P2	OCT 24	RAIN GARDEN REPOSITIONED	GRE		
P1	SEP 24	FIRST ISSUE	GRE		

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Client: LIDL GREAT BRITAIN Ltd

Project: RUSHOLME

Title: DRAINAGE ARRANGEMENT SHEET 3 of 3

Drawing No.	Revision
16-3046-200	P7

Scale	1:250 @ A1	Date	APRIL 2026
Drawn	GRE	Chk	App