DRAWING NOT TO SCALE

BLOCK B-HP01 415V|P+N|50Hz
BLOCK B-HP02 415V|P+N|50Hz
BLOCK B-HP03 415V|P+N|50Hz
BLOCK B-HP04 415V|P+N|50Hz
Thermostatic blending
3PV
BLOCK B
EXTERNAL ROOF PLANT
EXTERNAL ROOF PLANT
67Ø
BLOCK B-HWC01
BLOCK B-HWC02
BLOCK B-HWC03
BLOCK B-HWC04
BLOCK B-HWC05
750 LITRE HOT WATER STORAGE CYLINDER
42Ø
76Ø
SPARE DHWS RETURN PUMP MOUNTED IN PLANTROOM
th-9 - 100% Sensor
LSV
EXPANSION VESSEL
Water monitoring device installed and used at completion, not during build
RISER
BCW
HWS-R
HWS-F
BLOCK B
INTERNAL ROOF PLANT
INTERNAL ROOF PLANT
FOR CONTINUATION REFER TO DOMESTIC SCHEMATIC 63073-ABE-XX-ZZ-SC-M-53000 & 63073-ABE-XX-ZZ-SC-M-53001

BLOCK C-HP01 415V|P+N|50Hz
BLOCK C-HP02 415V|P+N|50Hz
Thermostatic blending
3PV
BLOCK C
EXTERNAL ROOF PLANT
EXTERNAL ROOF PLANT
67Ø
BLOCK C-HWC01
BLOCK C-HWC02
BLOCK C-HWC03
750 LITRE HOT WATER STORAGE CYLINDER
42Ø
54Ø
67Ø
SPARE DHWS RETURN PUMP MOUNTED IN PLANTROOM
th-9 - 100% Sensor
LSV
EXPANSION VESSEL
Water monitoring device installed and used at completion, not during build
RISER
BCW
HWS-R
HWS-F
BLOCK C
INTERNAL ROOF PLANT
INTERNAL ROOF PLANT
FOR CONTINUATION REFER TO DOMESTIC SCHEMATIC 63073-ABE-XX-ZZ-SC-M-53000 & 63073-ABE-XX-ZZ-SC-M-53001

BUILDING SERVICES ENGINEERS
LIVERPOOL

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| REVISION | ITEM REVISED | DATE |
|---|---|---|
| P1 | Preliminary Issue | 28.05.24 |
| C1 | Construction Issue | 24.09.24 |
| C2 | Construction Issue | 28.11.24 |

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT BUILDING SERVICES DRAWINGS AND THE RELEVANT SECTIONS OF THE SPECIFICATIONS AND SCHEDULES.
2. WATER METERS TO BE CONNECTED TO BMS.
3. AIR VENTS AT ALL SYSTEM HIGH POINTS AND DRAIN COCKS AT ALL SYSTEM LOW POINTS TO BE FITTED.
4. ALL HEATING AND DOMESTIC SERVICES PIPEWORK TO BE INSULATED.
5. ALL PUMPS TO BE SUPPLIED WITH ANTI VIBRATION CONNECTORS.
6. BINDER TEST POINTS ARE TO BE PROVIDED ACROSS ALL PORTS OF MOTORISED VALVES, DIFFERENTIAL PRESSURE CONTROL VALVES, STRAINERS, COILS AND ALL OTHER EQUIPMENT.
7. COMMISSIONING SETS AND ORIFICE PLATES ARE NOT NECESSARILY LINE SIZE, CONTRACTOR TO ALLOW FOR REDUCERS/ENLARGERS AS APPROPRIATE. COMMISSIONING SETS AND ORIFICE PLATES TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
9. ALL PUMP IV's, NRV's, STRAINERS AND FINAL PIPEWORK BENDS TO THE PUMPS ARE TO BE LINE SIZE AND NOT THE DIAMETER OF THE INLET/DISCHARGE PIPEWORK OF THE PUMP.

ABBREVIATIONS
BCW - BOOSTED COLD WATER
HWSF - HOT WATER SYSTEM FLOW
HWSR - HOT WATER SYSTEM RETURN

LEGEND
- ISOLATING VALVE
- PRV — PRESSURE REDUCING VALVE
- CV — CHECK VALVE
- SV — SAFETY VALVE (TEMPERATURE AND PRESSURE)
- PUMP UNIT
- DC — DRAIN COCK
- WATER METER
- SOLENOID SHUT OFF VALVE
- NRV — NON RETURN VALVE
- HL — HIGH LEVEL DETECTOR
- T — TEMPERATURE DETECTOR
- LL — LOW LEVEL DETECTOR
- P — PRESSURE GAUGE
- FC — FLEXIBLE CONNECTION
- 3PV — 3-PORT VALVE
- AAV — AUTOMATIC AIR VENT
- STR — STRAINER
- TP — TEST POINT
- M — METER
- TRACE HEATING

# CONSTRUCTION

CLIENT: iQ

ARCHITECT: SHEPPARD ROBSON

CONTRACT: iQ ECHO STREET MANCHESTER

TITLE: PUBLIC HEALTH DOMESTIC WATER SCHEMATIC PLANT - BLOCK B & C

| DRAWN | CHECKED | SCALE |
|---|---|---|
| J.P.G | P.G | @A0 |

| DATE | DRAWING No | REV |
|---|---|---|
| 17.11.2023 | 63073-ABE-XX-ZZ-SC-M-53002 | C02 |

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