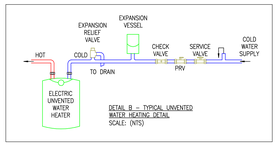
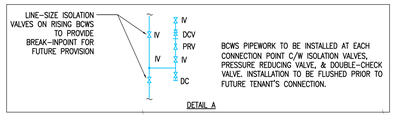
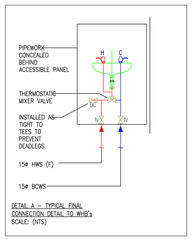


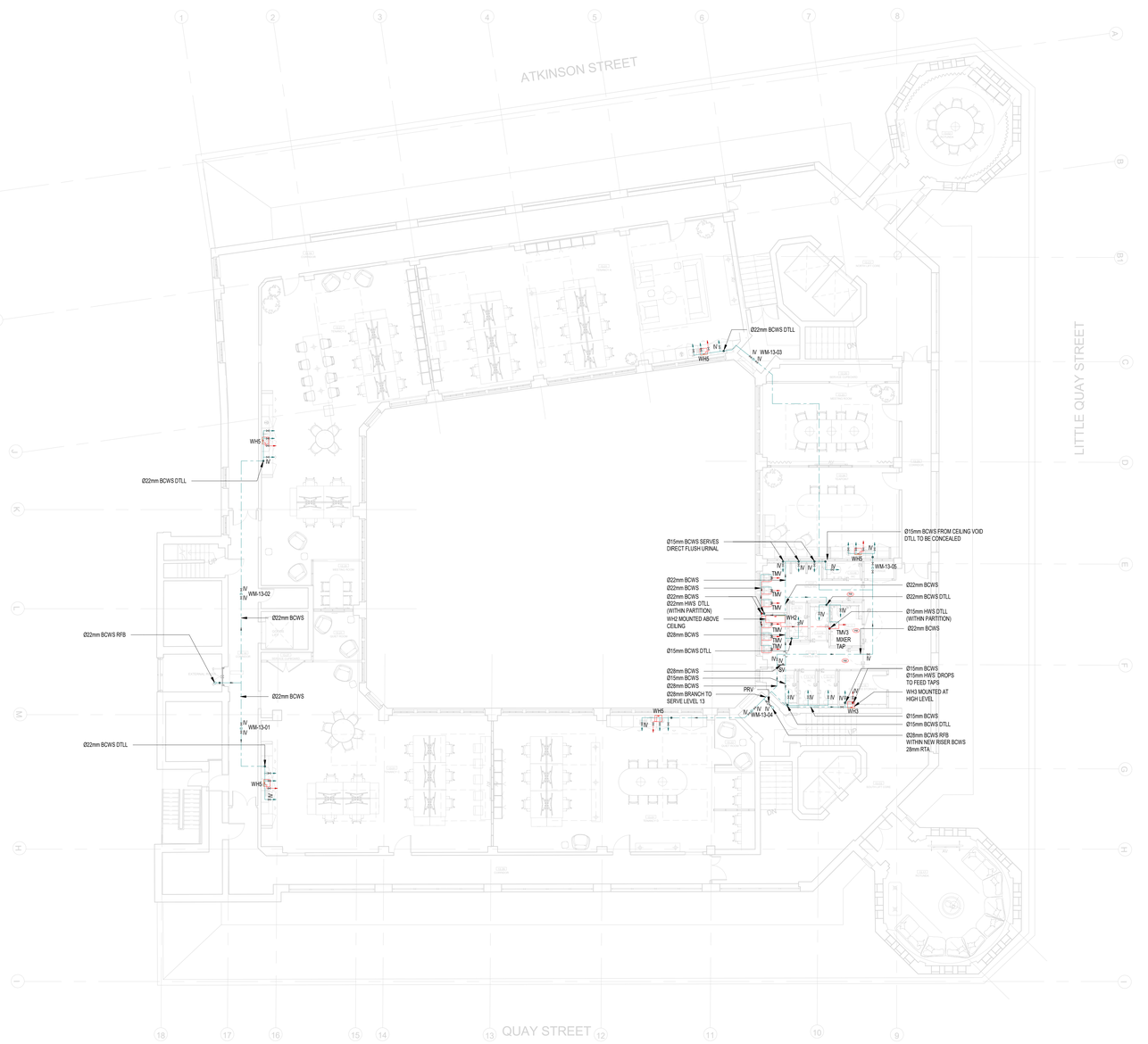

DETAIL B – TYPICAL UNVENTED WATER HEATING DETAIL
SCALE: (NTS)




DETAIL A




DETAIL A – TYPICAL FINAL CONNECTION DETAIL TO WHS's
SCALE: (NTS)




1 MECHANICAL SERVICES DOMESTIC WATER LAYOUT LEVEL 13
1 : 100

THIS DRAWING IS FOR INFORMATION ONLY DO NOT SCALE

CDM REGULATIONS

| HAZARDS | DATE NOTED | DATE MITIGATED | RISK ASSESSMENT DATE |
|---|---|---|---|
| | | | |

DOMESTIC WATER SUPPLY NOTES:

1. DRAWING TO BE READ IN CONJUNCTION WITH SPECIFICATIONS & SCHEMATICS.
2. REPORT ANY DISCREPANCIES TO THE DRAWING ORIGINATOR IMMEDIATELY.
3. ALL DIMS ARE IN MM UNLESS STATED OTHERWISE.
4. DOMESTIC SERVICES SHALL COMPLY WITH BS EN 806, CIBSE GUIDE G, THE BUILDING REGULATIONS & HSE ACOP L8 FOR LEGIONELLA PROTECTION.
5. SUITABLE BACKFLOW PREVENTION MUST BE PROVIDED.
6. ALL DOMESTIC PIPEWORK SHALL BE COPPER TO BS EN 1057 (FORMALLY TABLE X).
7. ALL FINAL CONNECTIONS TO BE 15MM UNLESS STATED OTHERWISE.
8. ALL FINAL CONNECTIONS SHALL BE COMPLETE WITH FINAL SERVICE VALVE.
9. FLOW RESTRICTORS SHALL BE FITTED TO ALL TAPS TO ACHIEVE FLOW RATES DETAILED IN THE ARCHITECTS N13 SPECIFICATION.
10. TMV'S (THERMOSTATIC MIXING VALVES) SHALL BE PROVIDED TO ALL WASH BASINS. APPLIANCES WITHOUT TMV'S SHALL HAVE WARNING NOTICES TO INFORM USERS THAT WATER IS HOT AND MAY SCOLD.
11. ALL LOW POINTS SHALL BE PROVIDED WITH DRAIN COCKS.
12. PIPEWORK SHALL BE THERMALLY INSULATED, EXCEPT ON EXPOSED FINAL CONNECTIONS, WITH VAPOUR BARRIERS FOR COLD SERVICES.
13. ANY EXTERNAL PIPEWORK SHALL BE TRACE HEATED.
14. ALL METERS SHALL BE REMOVED DURING FLUSHING & REPLACED WITH STOOL PIECE.
15. ALL PIPEWORK SHALL BE BOXED IN.
16. VALVES LOCATED ABOVE SOLID CEILINGS SHALL BE PROVIDED WITH SUITABLE ACCESS.
17. ALL PENETRATIONS OF FIRE COMPARTMENTS SHALL BE SUITABLY TREATED AND SEALED.
18. KITCHENNETTE & TEAPOINT CONNECTIONS SHALL BE TERMINATED WITHIN 1M OF FINAL APPLIANCE, WITH FINAL CONNECTION BY OTHERS.

LEGEND:

- BOOSTED COLD WATER SERVICE (BCWS)
- MAINS COLD WATER SERVICE (MCWS)
- HOT WATER FLOW HWS F)
- HOT WATER RETURN (HWS R)
- CAT 5
- SPRINKLER MAIN
- TRACE HEATING
- IV ISOLATION VALVE
- PRV PRESSURE REDUCING VALVE
- T TEMPERATURE SENSOR
- PUMP
- IV DRAIN COCK
- DCV DOUBLE CHECK VALVE
- M METER
- SV SAFTY RELIEF VALVE
- NRV NON RETURN VALVE
- EXPANSION BELLOWS
- A ANCHOR POINTS
- PIR PRESENCE DETECTOR
- BV BALL VALVE
- FV FLUSHING VALVE
- PG PRESSURE GAUGE
- BMS BUILDING MANAGEMENT SYSTEM
- AAV AUTOMATIC AIR VENT
- T/PG TEMPERATURE / PRESSURE GAUGE
- T/PRV TEMPERATURE / PRSSURE RELIEF
- LBV VALVE LEVER BALL VALVE
- LSV LOCKSHIELD VALVE
- TS TEMPERATURE SENSOR
- DF WATER FOUNTAIN (DRINKING)
- WB WATER BOILER
- DW DISHWASHER
- WM WASHING MACHINE
- TBV THERMAL BALANCING VALVE
- IM ICE MACHINE
- FC FUME CUPBOARD
- DS DOCKING STATION
- WB WATER BOILER
- FS FLOW SWITCH
- SV SOLENOID VALVE
- DTLL DOWN TO LOW LEVEL
- WATER HEATER

| REV | DATE | AMENDMENTS | BY | CKD |
|---|---|---|---|---|
| P01 | 24.07.24 | ISSUED FOR COMMENT & APPROVAL | DB | SH |

**FOR COMMENT & APPROVAL**

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CLIENT
**G&H BUILDING SERVICES**

PROJECT
**SUNLIGHT HOUSE**
**LITTLE QUAY STREET**
**MANCHESTER M3 3HP**

TITLE
**MECHANICAL SERVICES DOMESTIC WATER LAYOUT LEVEL 13**

| | | | |
|---|---|---|---|
| SCALE @ A1 | 1:100 | CSD REF | CSD 1298 |
| DRAWN | MW | ENGINEER | DB |
| STARTED | MAY 24 | ISSUED | JULY 24 |
| CHECKED | DB | APPROVED | BW |

DRAWING NO. **1298-CSD-XX-13-DR-M-5314** REV. **P01**

Project-Originator-Volume-Level-Type-Discipline-DrawingNumber

ARCHITECTURE IS BASED ON ANOMALY DESIGN ARCHITECTS DRAWING NO. SLH-ANO-P0-13-DR-A-05113 (CD1) LEVEL 13 PLAN
REDEVED 05.06.2024

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