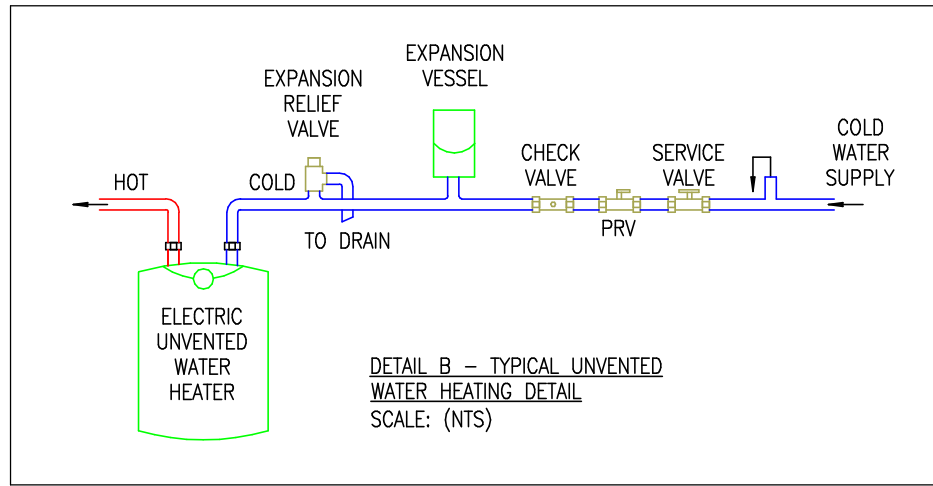
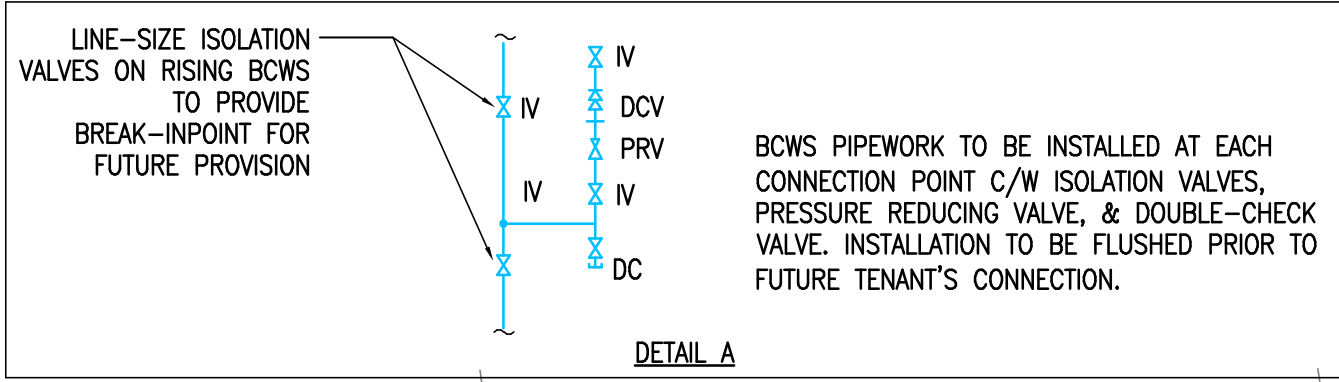
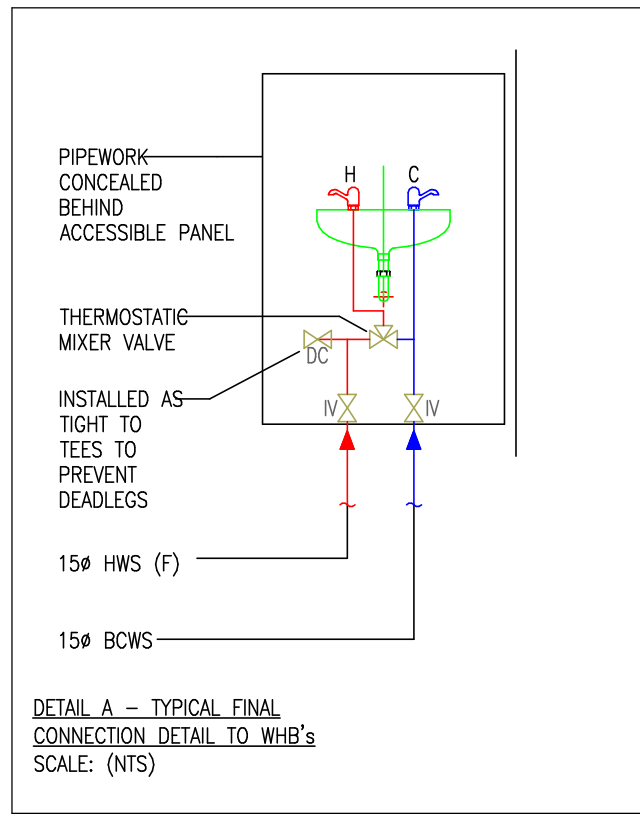
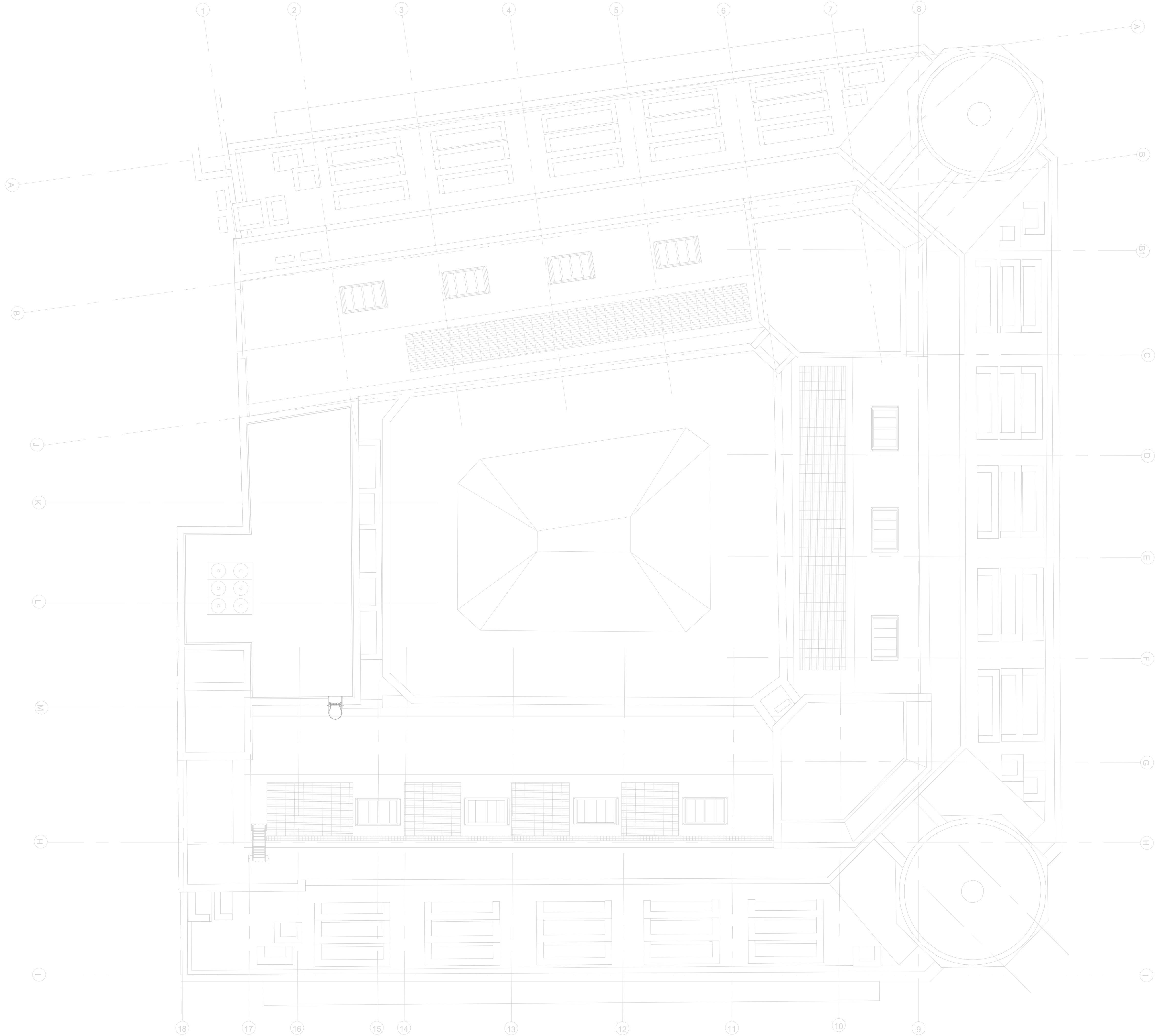




1 MECHANICAL SERVICES DOMESTIC WATER LAYOUT ROOF  
1 : 100

THIS DRAWING IS FOR INFORMATION ONLY DO NOT SCALE

CDM REGULATIONS

| NAME      | DATE       | DATE      | DATE       |
|-----------|------------|-----------|------------|
| INITIATED | ASSESSMENT | INITIATED | ASSESSMENT |
|           |            |           |            |

DOMESTIC WATER SUPPLY NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH SPECIFICATIONS & SCHEMATICS.
- REPORT ANY DISCREPANCIES TO THE DRAWING ORIGINATOR IMMEDIATELY.
- ALL DIMS ARE IN MM UNLESS STATED OTHERWISE.
- DOMESTIC SERVICES SHALL COMPLY WITH BS EN 806: CISEE GUIDE G, THE BUILDING REGULATIONS & HSE ACOP L1 FOR LEGIONELLA PROTECTION.
- SUITABLE SHOT/LOW PREVENTION MUST BE PROVIDED.
- ALL DOMESTIC PIPEWORK SHALL BE COPPER TO BS EN 1057 (FORMALLY TABLE X).
- ALL FINAL CONNECTIONS TO BE 15MM UNLESS STATED OTHERWISE.
- ALL FINAL CONNECTIONS SHALL BE COMPLETE WITH FINAL SERVICE VALVE.
- FLOW RESTRICTORS SHALL BE FITTED TO ALL TAPS TO ACHIEVE FLOW RATES DETAILED IN THE ARCHITECT'S N13 SPECIFICATION.
- TIM'S (THERMOSTATIC MIXING VALVES) SHALL BE PROVIDED TO ALL WASH BASINS. APPLIANCES WITHOUT TIM'S SHALL HAVE WARNING NOTICES TO INFORM USERS THAT WATER IS HOT AND MAY SCOLD.
- ALL LOW POINTS SHALL BE PROVIDED WITH DRAIN COCKS.
- PIPEWORK SHALL BE THERMALLY INSULATED, COCKS/ON EXPOSED FINAL CONNECTIONS, WITH VAPOUR BARRIERS FOR COLD SERVICES.
- ANY EXTERNAL PIPEWORK SHALL BE TRACE HEATED.
- ALL METERS SHALL BE REMOVED DURING FLUSHING & REPLACED WITH STOP PLUGS.
- ALL PIPEWORK SHALL BE BORED IN.
- VALVES LOCATED ABOVE SOLID CEILINGS SHALL BE PROVIDED WITH SUITABLE ACCESS.
- ALL PENETRATIONS OF FIRE COMPARTMENTS SHALL BE SUITABLY TREATED AND SEALED.
- KITCHENMETS & TEAPOT 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
- ISOLATION VALVE
- PRV H<1
- TEMPERATURE SENSOR
- PUMP
- DRAIN COCK
- DOUBLE CHECK VALVE
- METER
- SAFETY RELIEF VALVE
- NON RETURN VALVE
- EXPANSION BELLLOWS
- ANCHOR POINTS
- PRESSENCE DETECTOR
- BV BALL VALVE
- FLUSHING VALVE
- PG PRESSURE GAUGE
- BMS BUILDING MANAGEMENT SYSTEM
- AAV AUTOMATIC AIR VENT
- TPG TEMPERATURE / PRESSURE GAUGE
- TPRV TEMPERATURE / PRESSURE 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 CLIPBOARD
- DS DOCKING STATION
- WB WATER BOILER
- FS FLOW SWITCH
- SV SOLENOID VALVE
- DTLL DOWN TO LOW LEVEL
- WATER HEATER

|     |      |                               |    |     |
|-----|------|-------------------------------|----|-----|
| REV | DATE | ISSUED FOR COMMENT & APPROVAL | SB | SH  |
|     |      | AMENDMENTS                    | BY | CHK |

**FOR COMMENT  
& APPROVAL**

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**G&H**  
GROUP OF COMPANIES

CLIENT  
**G&H BUILDING SERVICES**

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

TITLE  
**MECHANICAL SERVICES DOMESTIC WATER  
LAYOUT ROOF**

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

1298-CSD-XX-RF-DR-M-5316  
Project Originator: Valued Services Design Ltd  
Project Number: 1298-CSD-XX-RF-DR-M-5316