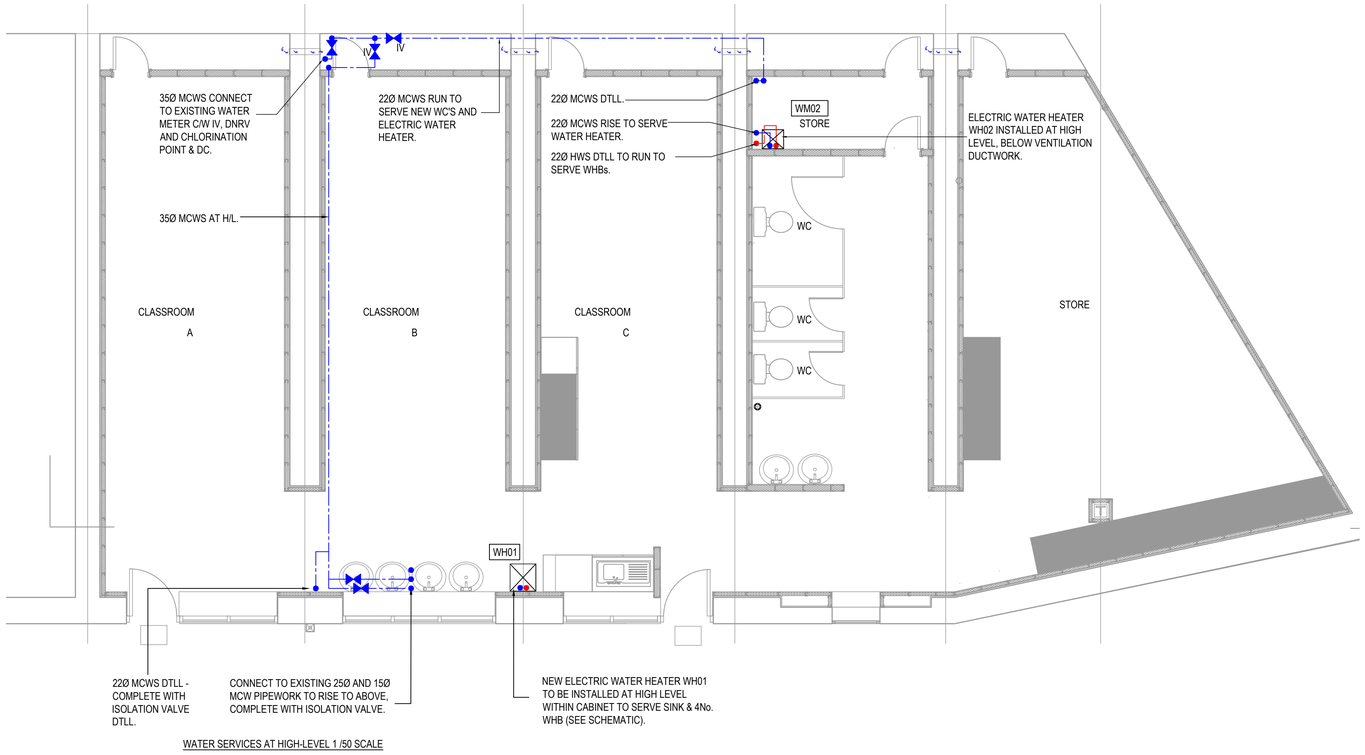
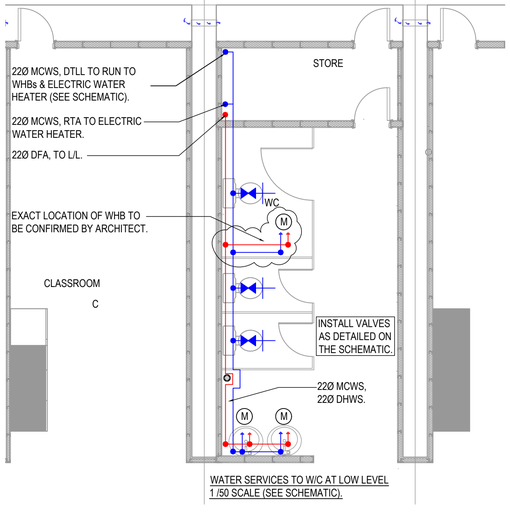
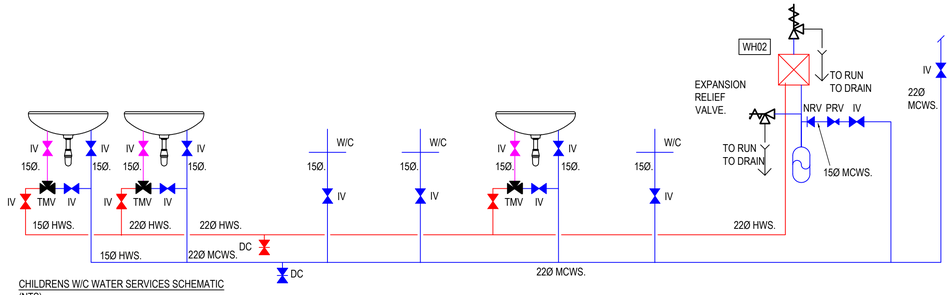


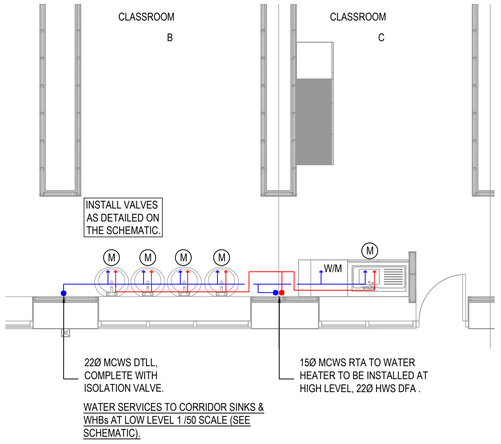
WATER SERVICES AT HIGH-LEVEL 1 /50 SCALE



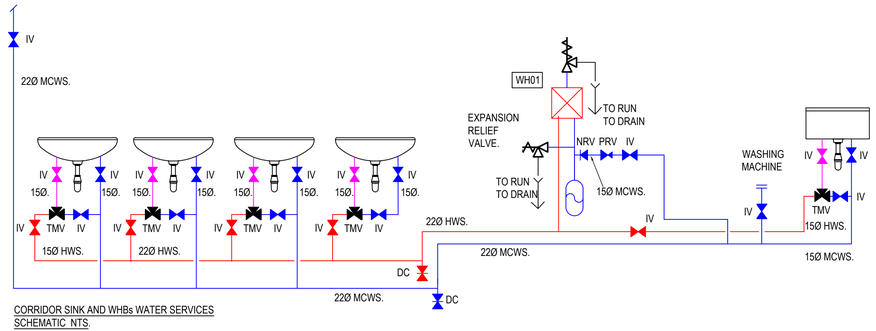
WATER SERVICES TO W/C AT LOW LEVEL 1 /50 SCALE (SEE SCHEMATIC).



CHILDRENS W/C WATER SERVICES SCHEMATIC (NTS).



WATER SERVICES TO CORRIDOR SINKS & WHBs AT LOW LEVEL 1 /50 SCALE (SEE SCHEMATIC).



CORRIDOR SINK AND WHBs WATER SERVICES SCHEMATIC NTS.

LEGEND :

- NEW PIPEWORK IN CEILING VOID.
- NEW PIPEWORK AT HIGH LEVEL.
- NEW PIPEWORK AT LOW LEVEL.
- PIPEWORK DROP.
- CONTINUATION.
- DOMESTIC HOT WATER SERVICE (DHWS) PIPEWORK.
- TANK FED COLD WATER SERVICE (TFCWS) PIPEWORK.
- HEATING PIPEWORK (HTG).
- GAS PIPEWORK.
- CONDENSATE PIPEWORK.
- IV — ISOLATING VALVE
- LS — LOCKSHIELD VALVE
- DRV — DOUBLE REGULATION VALVE
- CS — COMMISSIONING SET
- DNRV — DOUBLE NON RETURN VALVE
- PRV — PRESSURE REDUCING VALVE
- SV — SAFETY VALVE
- ST — STRAINER
- DC — DRAIN COCK
- P — PRESSURE GAUGE
- AAV — AUTOMATIC AIR VENT
- TUNDISH
- SAFETY VALVE
- SOLENOID VALVE
- C — CONTROLLER
- CO2 — CO2 SENSOR .
- WH_ — ELECTRIC WATER HEATER
- M — TMV3 THERMOSTATIC MIXER VALVE
- WM — WATER METER
- R_ — RADIATOR
- RTA — RISE TO ABOVE
- RFB — RISE FROM BELOW
- DTB — DROP TO BELOW
- LL — LOW LEVEL
- DTLL — DROP TO LOW LEVEL
- HL — HIGH LEVEL
- CV — CEILING VOID

NOTES :

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND ALL RELEVANT CONTRACT DOCUMENTS.
4. THIS DRAWING INDICATES THE SCHEME LAYOUT IN PRINCIPLE ONLY AND IS NOT A WORKING DRAWING. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE INSTALLATION AND PROVIDE WORKING DRAWINGS IN ACCORDANCE WITH THE SPECIFICATION.
5. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF MECHANICAL SERVICES WITH THE BUILDING STRUCTURE AND THE WORKS OF ALL OTHER TRADES.
6. AUTO AIR VENTS (AAVs) ARE TO BE INSTALLED AT ALL HIGH POINTS & DRAIN OFF VALVES (DOC's) TO BE INSTALLED AT ALL LOW POINTS.
7. ALL HTG & DOMESTIC WATER SERVICE PIPEWORK SHALL BE INSULATED.
8. PIPE SLEEVES SHALL BE PROVIDED WHERE PIPES PASS THROUGH WALLS, FLOORS AND FLOOR SLABS. SLEEVES SIZES SHALL ALLOW FOR THE FREE MOVEMENT OF THE PIPES.
9. PENETRATION THROUGH COMPARTMENT WALLS SHALL BE SUITABLY FIRE STOPPED.
10. ALL VALVES SHALL BE ACCESSIBLE.
11. SUPPORT BRACKETRY NOT SHOWN, MECHANICAL CONTRACTOR TO DESIGN, SUPPLY AND INSTALL SUCH ITEMS AS APPROPRIATE.
12. ALL EXPOSED PIPEWORK WITHIN THE CLASSROOM AND W/Cs SHALL INSULATED AT BOXED IN WITH BOXING TO ARCHITECTURAL REQUIREMENTS. ALL VALVES SHALL BE ACCESSIBLE FOR FUTURE MAINTENANCE.
13. SUITABLE FIXINGS SHALL BE PROVIDED INCLUDING SECONDARY STEEL/UNISTRUT FOR ALL EQUIPMENT, FULLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
14. THE MECHANICAL CONTRACTOR SHALL APPOINT A WATER TREATMENT SPECIALIST TO CARRY OUT ALL FLUSHING AND STERILISATION OF WATER SERVICES PIPEWORK . THE WHOLE OF THE NEW HOT & COLD WATER SERVICE SYSTEMS SHALL BE FILLED AND DISINFECTED IN ACCORDANCE WITH BS6700 AND HSE L8.

Water Heater Schedule

Ref	Room Name	Manufacturer	Model	Size	Dims (mm)	Elec Supply
WH01	Classroom Walkway	Zip	Aquapoint IV AP4/30S over sink type.	30ltr	420w x 445d x 525h	2kW @ 230V
WH02	Small Store	Zip	Aquapoint III AP3/10 over sink type.	10ltr	350w x 265d x 480h	2kW @ 230V

Each water heater to be complete with manufacturers mains pressure kit for water pressure greater than 3.5 bar. To include, Temperature & pressure relief valve, exp vessel, check valve, pressure reducing valve, strainer and expansion relief valve.

Disclaimer.
This drawing is to be read in conjunction with all related drawings. Do not scale from this drawing. All dimensions must be checked and verified on site before commencing any work or producing shop drawings.
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REV	DATE	BY	DESCRIPTION	CHKD
P01	09/06/23	LM	ISSUED FOR COMMENT ONLY	

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S9 General Information

Project: Milford Primary School
Chevin Road, Milford, Belper, Derbyshire, DE56 0QH.

Project Number: 521189

Scales: 1:50 *At A1 Size*

Drawing Title: Damp Investigation
Water Services Installation

Drawn: LM

Chkd:

Lead Designer: Levi Maslaukas

Date: 08/06/23

email: levi.maslauskas@concertus.co.uk Tel:

Drawing Number: 521189-CDP-ZZ-XX-DR-M-4003 P01

Project Code - Originator - Volume/System - Level/Location -Type - Role - Element - Number

Drawing Number 521189-CDP-ZZ-XX-DR-M-4003-P01