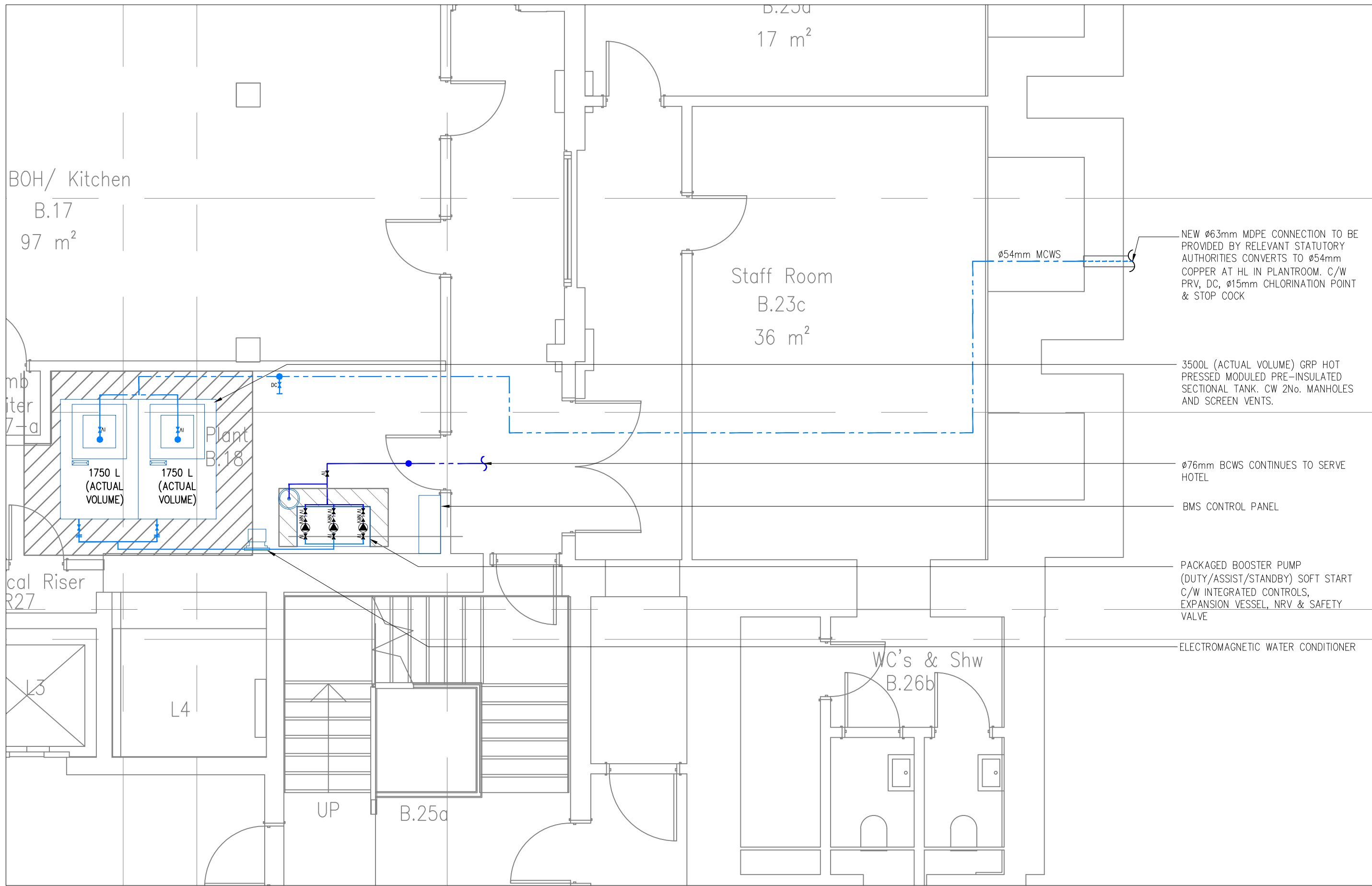
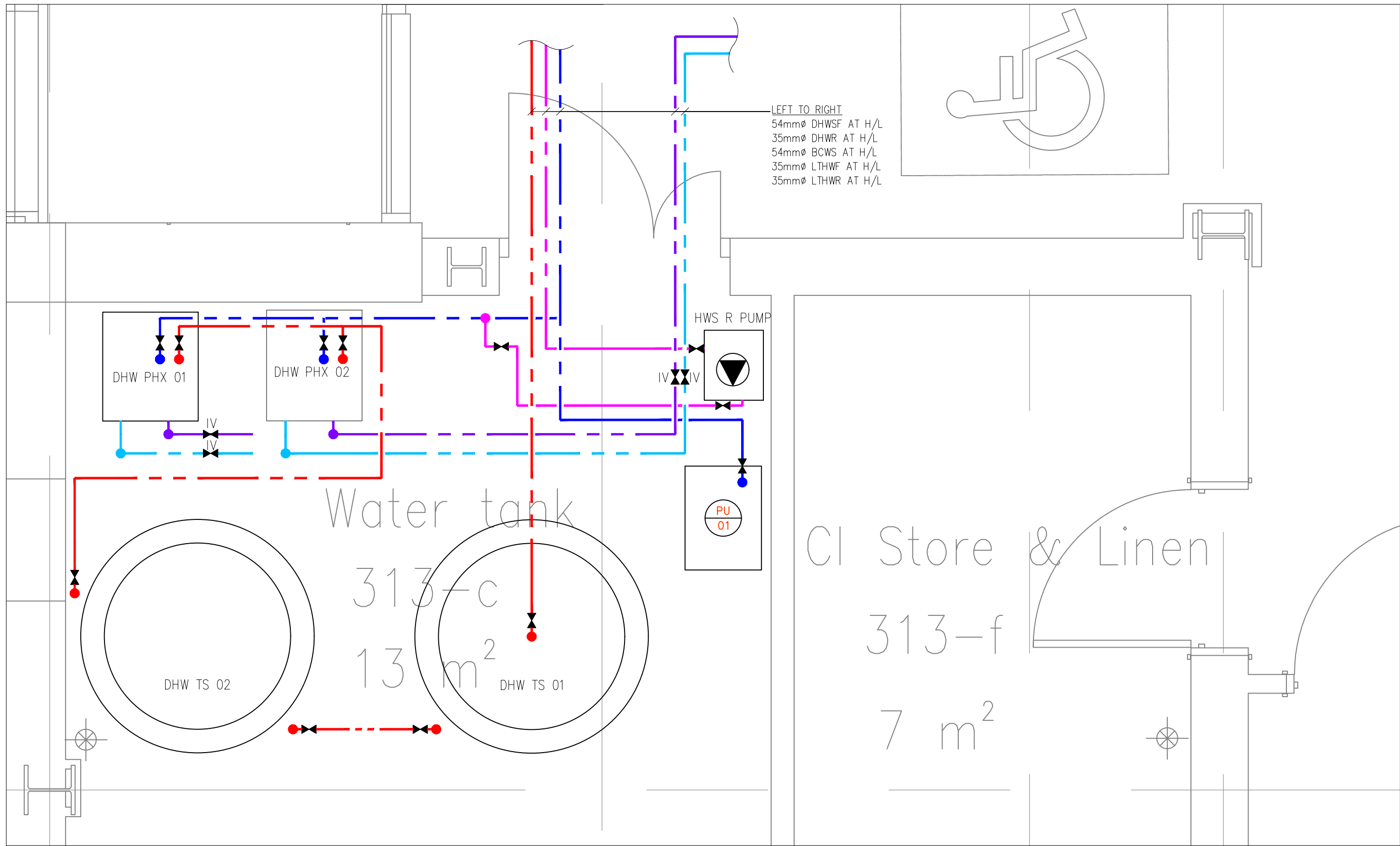
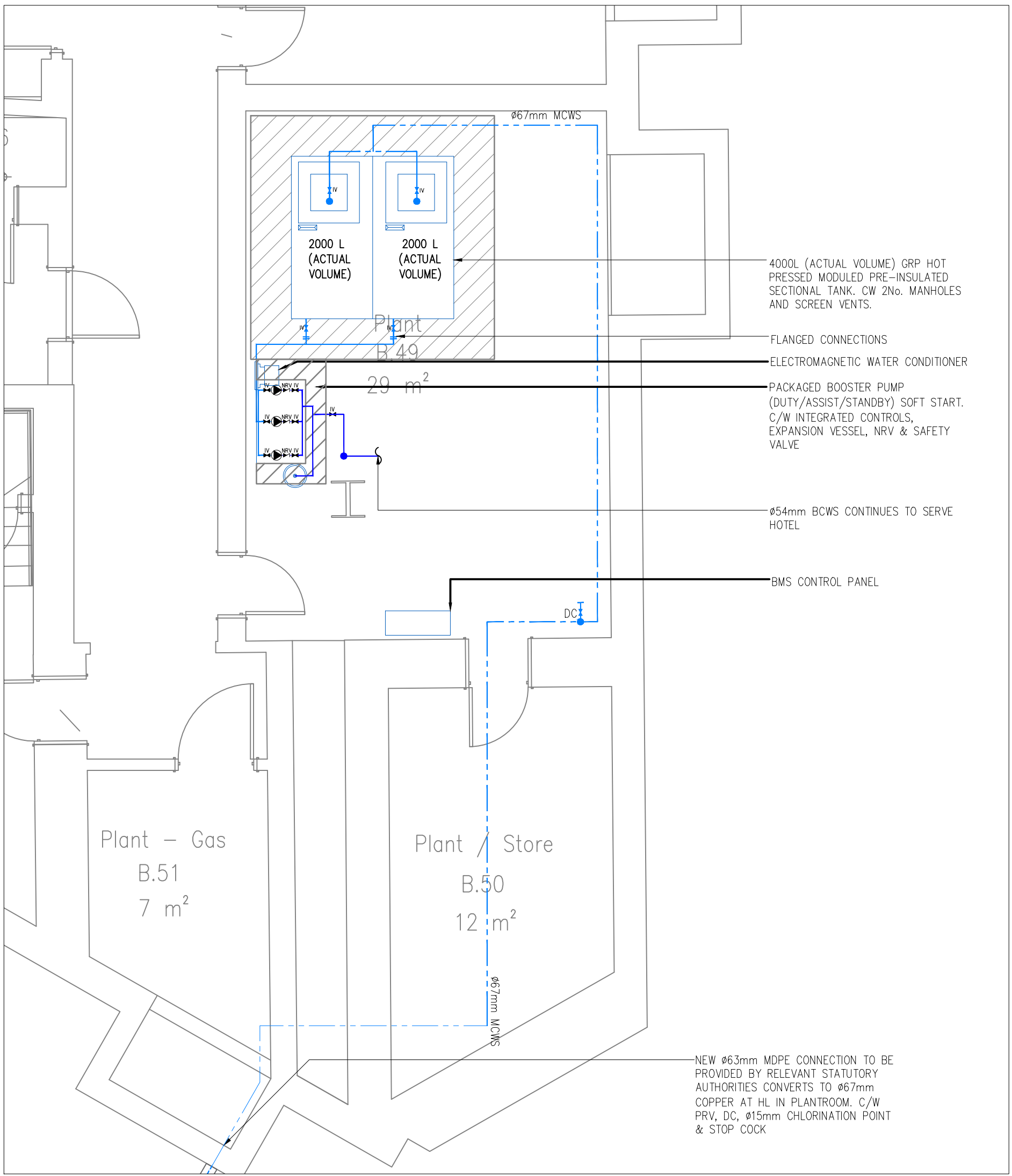




01 FLOOR PLAN (A1 @ 1:50)
53-02 COLD WATER TANK & BOOSTER PLANTROOM 1 (HOTEL) LAYOUT – BASEMENT



03 FLOOR PLAN (A1 @ 1:20)
53-02 HOT WATER TANKS & PLATE HEAT EXCHANGER PLANTROOM (HOTEL) LAYOUT – LV03



02 FLOOR PLAN (A1 @ 1:50)
53-02 COLD WATER TANK & BOOSTER PLANTROOM 2 (WORKSPACE/F&B) LAYOUT – BASEMENT

LEGEND

- MAINS COLD WATER (MCWS)
- BOOSTED COLD WATER SERVICES (BCWS)
- HOT WATER SERVICES FLOW (HWSF)
- HOT WATER SERVICES RETURN (HWSR)
- PIPEWORK IN CEILING VOID
- PIPEWORK IN FLOOR VOID
- PIPEWORK AT LOW LEVEL
- ISOLATION VALVE
- PRESSURE REDUCING VALVE
- DOUBLE CHECK VALVE
- MIXING VALVE
- THERMOSTATIC MIXING VALVE
- STOP COCK
- THERMAL BALANCING VALVE

- ABBREVIATIONS
- HL - HIGH LEVEL
 - LL - LOW LEVEL
 - RTA - ROSE TO ABOVE
 - FB - FROM BELOW
 - CV - CEILING VOID
 - DTLL - DROP TO LOW LEVEL
 - WNB - WASH HAND BASIN
 - AP - ANCHOR POINT
 - EB - EXPANSION BELLOW

NOTES

- DO NOT SCALE FROM THIS DRAWING
 - ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION OF PARTS, ORDERING MATERIALS OR COMMENCING WORKS
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND SCHEDULES.
 - ANY PENETRATION THROUGH FLOOR, SEEK STRUCTURAL ENGINEERS APPROVAL BEFORE COMMENCEMENT.
 - ALL PLANT AND EQUIPMENT SHALL BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- HOT & COLD WATER SERVICES INSTALLATION**
- ALL COMMUNAL & EXPOSED DOMESTIC WATER SERVICES PIPEWORK IS TO BE INSTALLED IN COPPER WITH A THICKNESS IN ACCORDANCE WITH BS EN 1057 + A1:2010.
 - ALL EXPOSED PIPEWORK IN KITCHEN AND BATHROOM AREAS SHALL BE CHROME.
 - ALL FITTINGS USED WITHIN THE DOMESTIC WATER SYSTEM SHALL BE WRAS APPROVED AND SUITABLE FOR USE IN A POTABLE WATER ENVIRONMENT.
 - BACKFLOW PREVENTION SHALL BE PROVIDED WITHIN ALL WATER CONNECTIONS TO DISHWASHERS, WASHING MACHINES AND SHOWERS IN THE FORM OF DOUBLE CHECK VALVES.
 - EXCESSIVE MAINS WATER PRESSURE AT THE POINT OF USE SHALL BE MITIGATED THROUGH THE USE OF PRESSURE REDUCING VALVES IF NECESSARY.
 - ALL DOMESTIC WATER SERVICES PIPEWORK SHALL BE INSTALLED WITHIN THE DOMESTIC WATER SERVICES PIPEWORK TO EACH OUTLET, THESE SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE OUTLET AND THE VALVE ACTUATION SHALL BE ORIENTATED FOR EASE OF ISOLATION.
 - ALL DOMESTIC WATER SERVICES PIPEWORK SHALL BE INSULATED WITH FOIL FACED MINERAL FIBRE SECTIONS TO BS 3958. IN ADDITION ANY PIPEWORK WITHIN EXTERNAL OR UNHEATED SPACES SHALL BE DOUBLE INSULATED AND IF THERE IS A RISK OF FREEZING TRACE HEATED.
 - FIRE STOPPING IS TO BE PROVIDED AT ALL INSTANCES WHERE PIPEWORK PASSES THROUGH A FIRE COMPARTMENT.
 - DISCHARGE FROM ALL SAFETY AND RELIEF VALVES ARE TO DISCHARGE TO DRAIN VIA A TUNDISH WITH A VISIBLE AIR GAP IN A SAFE AND CONSPICUOUS LOCATION.
 - ALL NEW MAINS PIPEWORK IS TO BE PROVIDED WITH IDENTIFICATION TO BS 1710, INCLUDING DIRECTION OF FLOW AT REGULAR INTERVALS (MAX 5m).
 - ALL HOT & COLD WATER SERVICES TO BE FLUSHED & STERILIZED IN ACCORDANCE WITH BS EN 806.
 - ALL PIPEWORK TO BE BOXED IN TO ARCHITECT'S REQUIREMENT.
 - ALL SANITARY WARE, TAPS, SHOWER MIXERS, SHOWER HEADS ETC TO BE INSTALLED AS SPECIFIED BY ARCHITECT.
 - ALL BATHS & SHOWERS TO BE INSTALLED WITH THERMOSTATIC MIXING VALVE IN ACCORDANCE WITH TMV2.
 - HEAT INTERFACE UNIT MOUNTED AT LOW LEVEL, PROVIDING BOTH LPHW HEATING AND DOMESTIC HOT WATER, UNITS COMPLETE WITH NECESSARY HEAT METERS, REGULATING VALVES ETC (REFER TO SPECIFICATION)
 - PIPEWORK EXPANSION AND ANCHOR POINTS SHOWN ARE INDICATIVE AND TO BE DEVELOPED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

FOR COMMENT
NOT FOR SITE USE

11.04.22	BUILDING LAYOUT UPDATED	T4	LM	RG
07.02.22	BUILDING LAYOUT UPDATED	T3	LM	AF
02.06.21	TENDER ISSUE	T2	GT	AF
21/05/21	TENDER ISSUE	T1	GT	AF
Date	Description	Rev	Dm	Cld

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Project:
**LONDON ROAD FIRE STATION
FIRE STATION, LONDON ROAD,
MANCHESTER, M1**

Drawing Title:
**MECHANICAL SERVICES
COLD WATER STORAGE TANK &
BOOSTER PLANTROOM 1 & 2 LAYOUTS**

Date:	Design By:	Drawn By:	Scale:
APRIL 21	A.F.	IGB	AS SHOWN

Issue Status:
TENDER

Drawing Number:	Rev:
647-M-[50]-B1-01	T4

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