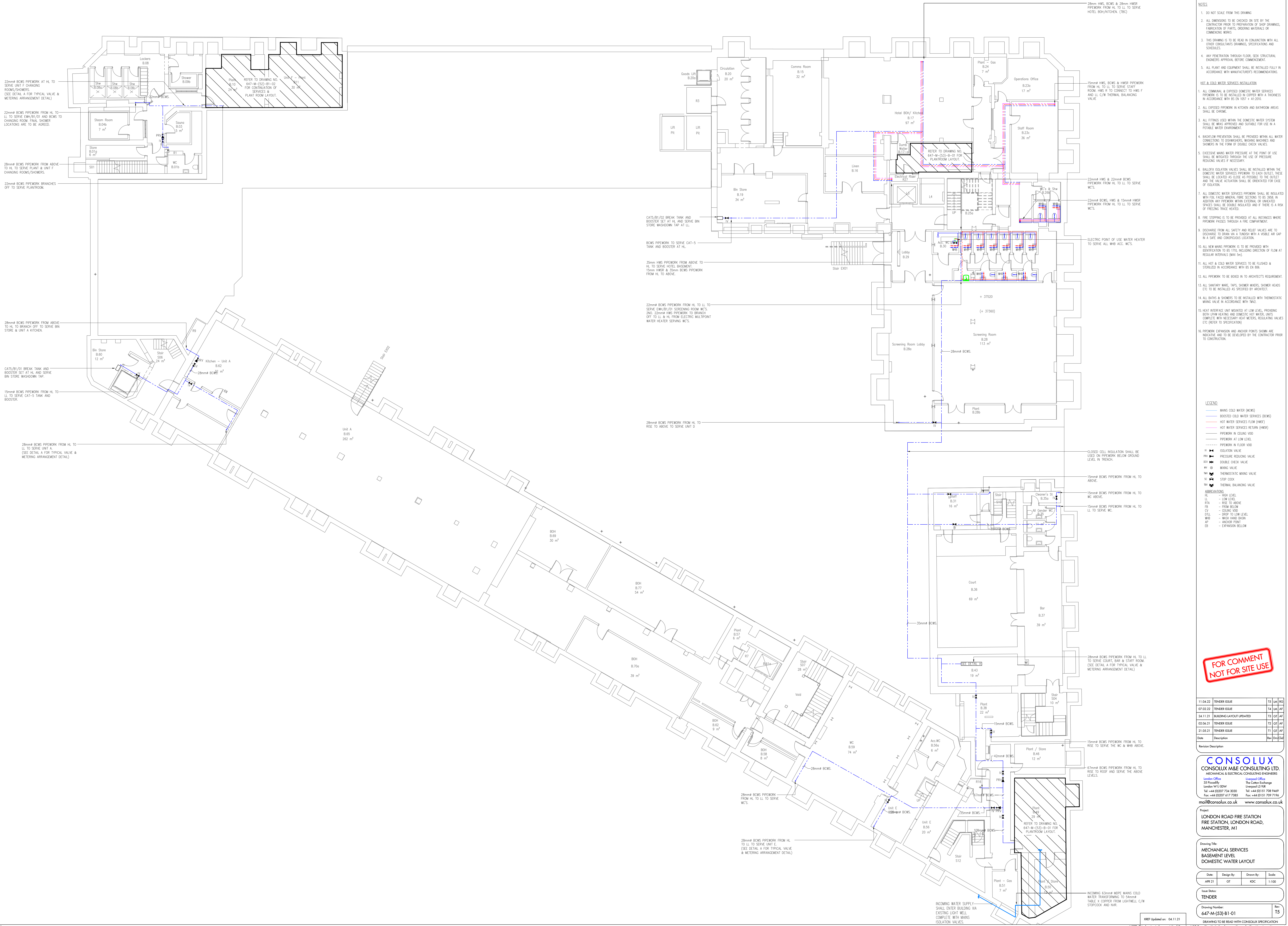




NOTES

- 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, FIXING 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 MANUFACTURERS RECOMMENDATIONS

HOT & COLD WATER SERVICES INSTALLATION

- ALL COMMERCIAL & 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 PRESS 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
- QUALITY ISOLATION VALVES 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 IDENTIFIED FOR EASE OF ISOLATION
- ALL DOMESTIC WATER SERVICES PIPEWORK SHALL BE INSULATED WITH FOIL FACED MINERAL FIBRE SECTIONS TO BS 5689. 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 TUNDRIP WITH A VISIBLE AIR GAP IN A SAFE AND CONSPICUOUS LOCATION
- ALL NEW MAINS PIPEWORK IS TO BE PROVIDED WITH IDENTIFICATION TO BS 1700, INCLUDING DIRECTION OF FLOW AT REGULAR INTERVALS (MIN 5m)
- ALL HOT & COLD WATER SERVICES TO BE FLUSHED & STERILISED IN ACCORDANCE WITH BS EN 1826
- ALL PIPEWORK TO BE BORED IN TO ARCHITECTS 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 TMO2
- HEAT INTERFAZE UNIT MOUNTED AT LOW LEVEL PROVIDING BOTH UPON HEATING AND DOMESTIC HOT WATER HEATS 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

LEGEND

- MAINS COLD WATER (MWC)
- BOOSTED COLD WATER SERVICES (BCWS)
- HOT WATER SERVICES FLOW (HWSF)
- HOT WATER SERVICES RETURN (HWSR)
- PIPEWORK IN CEILING VOID
- PIPEWORK AT LOW LEVEL
- PIPEWORK IN FLOOR VOID
- 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 - RISE TO ABOVE
- FB - FROM BELOW
- CV - CEILING VOID
- DTLL - DROP TO LOW LEVEL
- WB - WASH BASIN
- AP - ANCHOR POINT
- EB - EXISTING BELOW

FOR COMMENT NOT FOR SITE USE

Revision	Description	Rev	Drawn	Check
11.04.22	TENDER ISSUE	12	WJ	RG
07.02.22	TENDER ISSUE	14	WJ	AF
24.11.21	BUILDING LAYOUT UPDATED	19	GH	AF
02.06.21	TENDER ISSUE	22	GH	AF
21.02.21	TENDER ISSUE	23	GH	AF

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MECHANICAL & ELECTRICAL CONSULTING ENGINEERS

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

Drawing Title
MECHANICAL SERVICES
BASEMENT LEVEL
DOMESTIC WATER LAYOUT

Date:	Design By:	Drawn By:	Scale:
APR 21	GT	KDC	1:100

Issue Status
TENDER

Drawing Number:
647-M-[53]-B1-01

Rev
15

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