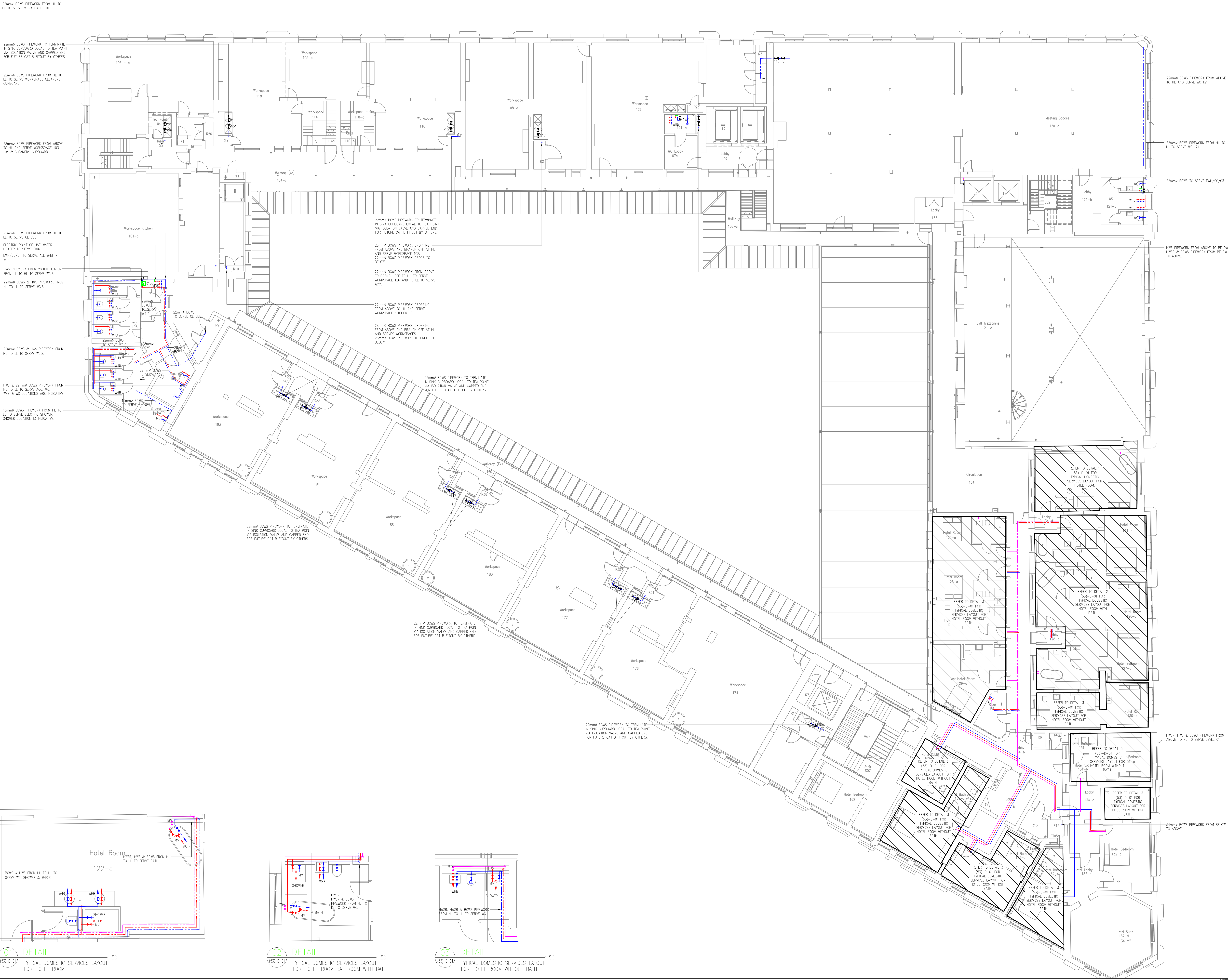




- NOTES
- DO NOT SCALE FROM THIS DRAWING
 - ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION OF PARTS, FREEDOM MATERIALS OR COMMENCING WORKS
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND SCHEDULES
 - ANY PENETRATION THROUGH FLOOR, SEEK STRUCTURAL ENGINEERS APPROVAL BEFORE COMMENCEMENT
 - ALL PLUMBING EQUIPMENT SHALL BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
- HOT & COLD WATER SERVICES INSTALLATION
- ALL COLDWATER & EXPOSED DOMESTIC WATER SERVICES PIPING IS TO BE INSTALLED IN CONJUNCTION WITH A THICKNESS IN ACCORDANCE WITH BS EN 1057 + A1:2010
 - ALL EXPOSED PIPING IN KITCHEN AND BATHROOM AREAS SHALL BE D-RIME
 - ALL FITTINGS USED WITHIN THE DOMESTIC WATER SYSTEM SHALL BE PRESSURE 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
 - ISOLATION VALVES SHALL BE INSTALLED WITHIN THE DOMESTIC WATER SERVICES PIPING TO EACH OUTLET, THESE SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE OUTLET AND THE VALVE ACTUATION SHALL BE PROVIDED FOR EASE OF ISOLATION
 - ALL DOMESTIC WATER SERVICES PIPING SHALL BE INSULATED WITH FOAM FILL INSULATION FIRE PROTECTION TO BS 5888 IN ADDITION ANY PIPING 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 PIPING PASSES THROUGH A FIRE COMPARTMENT
 - DISCHARGE FROM ALL SAFETY AND RELIEF VALVES ARE TO DISCHARGE TO DRAIN VIA A TRAP AND A VISIBLE AIR GAP IN A SAFE AND CONSPICUOUS LOCATION
 - ALL HOT & COLD WATER SERVICES TO BE FLUSHED & STERILIZED IN ACCORDANCE WITH BS EN 1826
 - ALL PIPING TO BE BORED 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 TMDV
 - HEAT INTERFERENCE UNIT MOUNTED AT LOW LEVEL PROVIDING BOTH UPON HEATING AND DOMESTIC HOT WATER, HATS COMPLETE WITH NECESSARY HEAT METERS, REGULATING VALVES ETC (REFER TO SPECIFICATION)
 - PIPING EXPANSION AND ANCHOR POINTS SHOWN ARE INDICATIVE AND TO BE DEVELOPED BY THE CONTRACTOR PRIOR TO CONSTRUCTION

- LEGEND
- MIXING COLD WATER (MWC)
 - BOOSTED COLD WATER SERVICES (BCWS)
 - HOT WATER SERVICES FLOW (HWSF)
 - HOT WATER SERVICES RETURN (HWSR)
 - PIPES IN CEILING VOID
 - PIPES AT LOW LEVEL
 - PIPES 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 - ROOF TO ABOVE
 - FB - FROM BELOW
 - CV - CEILING VOID
 - DTL - DROP TO LOW LEVEL
 - WB - WASH BASIN
 - AP - ANCHOR POINT
 - EB - EXPANSION BELOW

FOR COMMENT
NOT FOR SITE USE

11.04.22	TENDER ISSUE	12	WJ	RG
07.02.22	TENDER ISSUE	14	WJ	AF
24.11.21	BUILDING LAYOUT UPGRADE WASTE SERVICES AMENDED TO SUIT	19	GH	AF
02.04.21	TENDER ISSUE	22	GH	AF
21.02.21	TENDER ISSUE	21	GH	AF
Date		Description	Rev	Disc

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Project LONDON ROAD FIRE STATION FIRE STATION, LONDON ROAD, MANCHESTER, M1			
Drawing Title MECHANICAL SERVICES FIRST FLOOR DOMESTIC WATER LAYOUT			
Date:	Design By:	Drawn By:	Scale:
APR 21	GT	KDC	T4
Issue Status TENDER			
Drawing Number: 647-M-[53]-01-01			Rev 15

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