

NO WORKS ON THIS FLOOR, PART OF THE COUNSELLING AND WELLBEING CENTRE

TOP TO BOTTOM:
BCWS F.A.
MCWS T.A.
WITHIN BOXING

GENERAL NOTES

- THE CONTRACTOR WILL FULLY COMPLY WITH ALL RELEVANT BRITISH STANDARDS, REGULATIONS, STANDARD CODES OF PRACTICE, METHODS OF WORKING, AND GOOD PRACTICE.
- THE CONTRACTOR SHALL ENSURE THAT ALL PIPEWORK IS INSTALLED AND DESIGNED TO BS806, CIBSE GUIDES, IOP DESIGN GUIDE AND GOOD PRACTICE.
- THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR FINAL CO-ORDINATION AND INSTALLATION OF ALL MECHANICAL SERVICES WITH ALL OTHER SERVICES AND THE BUILDING STRUCTURE.
- ALL SERVICES WILL BE IDENTIFIED IN ACCORDANCE WITH BS 1710 & GOOD ENGINEERING PRACTICE. PIPEWORK TO BE RAL 6003.
- ALL PIPEWORK TO BE COPPER IN ACCORDANCE WITH BS 2781 PART 1 TABLE X.
- WHERE POSSIBLE USE CAPILLARY FITTINGS WITH END FEED FITTINGS TO BE WITH LEAD FREE SOLDER. COMPRESSION FITTINGS CAN BE USED BUT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE M&E SPECIFICATIONS, LFB EMPLOYER'S REQUIREMENTS AND EQUIPMENT SCHEDULES.
- BALL-O-FIX ISOLATING VALVES TO BE INSTALLED ON ALL FINAL APPLIANCE BRANCH CONNECTIONS INCLUDING WC'S CISTERNS, WASH HAND BASINS, URINAL FLUSHING CISTERNS SHOWERS & CLEANERS SINKS. VALVE TO BE NO MORE THAN 300mm FROM FINAL CONNECTION TO OUTLET.
- ISOLATION VALVES ARE TO BE INSTALLED AS LISTED BELOW. SEE DWS SCHEMATIC FOR DETAILS.
 - ON SUPPLY PIPES TO TOILET AREAS & KITCHENS
 - RANGES OF WHBS, BOTH HOT & COLD SUPPLIES
 - RANGES OF W.C. CISTERNS
 - ADJACENT TO ALL MAJOR ITEMS OF PLANT/EQUIPMENT
 - ALL BRANCH CONNECTIONS OFF MAIN DISTRIBUTION PIPE WORK
- DRAIN OFF COCKS ARE TO BE PROVIDED AT LOW LEVEL TO FACILITATE DRAINING, AND AUTOMATIC AIR VENTS PROVIDED AT ALL HIGH POINTS ON ALL NECESSARY PIPEWORK.
- ALL COLD WATER PIPEWORK SHALL BE THERMALLY INSULATED AND VAPOUR SEALED IN ACCORDANCE WITH THE SPECIFICATION.
- GENERALLY, ALL PIPED SERVICES SHALL BE CONCEALED BEHIND ACCESSIBLE PANELS. ANY EXPOSED PIPE SERVICES ARE TO BE INSULATED AND ISOGENOPAK SHALL BE USED FOR JACKETING INSULATED PIPEWORK.
- NO PIPEWORK JOINTS TO BE FORMED IN CONCEALED WALLS, FLOORS OR INACCESSIBLE CAVITIES.
- ALL COMPONENTS OF THE DOMESTIC WATER SYSTEM TO BE WRAS APPROVED.
- ALL PIPEWORK TO BE IDENTIFIED IN ACCORDANCE WITH BS 1710.
- ALL PIPEWORK TO BE PRESSURE TESTED THROUGHOUT PRIOR TO APPLICATION OF INSULATION.
- THE CONTRACTOR SHALL UNDERTAKE FLUSHING, CLEANING AND CHLORINATION OF DWS PIPEWORK IN ACCORDANCE WITH THE SPECIFICATION.
- DEAD LEGS SHALL BE A MAXIMUM OF 1000mm ON BOTH HOT AND COLD WATER PIPEWORK.
- THE WATER PRESURE AT EACH OUTLET SHOULD NOT BE GREATER THAN 1.5BAR AND NOT LESS THAN 0.5BAR. ANY PRESSURE RELIEF VALVES REQUIRED ARE INSTALLED PRIOR TO COMMISSIONING.
- ALL DHW BLENDING VALVES ARE TO FULLY COMPLY WITH THE MECHANICAL SPECIFICATION AND BE COMPLETE WITH INTEGRAL ISOLATING VALVES, STRAINERS AND NON-RETURN VALVES. THE MECHANICAL CONTRACTOR SHALL INCLUDE FOR THE SETTING OF EACH BLENDING VALVE TO 43DEGC TO BE WITNESSED BY THE CLIENT'S REPRESENTATIVE.
- BLENDING VALVES SHALL BE USED ON ALL WHBS.
- ALL SHOWERS TO BE FITTED WITH THERMOSTATIC MIXER SHOWER VALVE.
- WATER SERVICES TO ALL SANITARYWARE / APPLIANCES SHALL BE INSTALLED TO MANUFACTURER'S INSTRUCTIONS.
- FINAL CONNECTION SIZES TO APPLIANCES:
 - WHB = 15mmØ
 - KITCHENETTE SINK = 22mmØ
 - CLEANER'S SINK = 22mmØ
 - WC = 15mmØ
 - URINAL CISTERN = 15mmØ

ALL DIMENSIONS, LEVELS AND CLEARANCES TO BE CHECKED ON SITE PRIOR TO WORKS COMMENCING

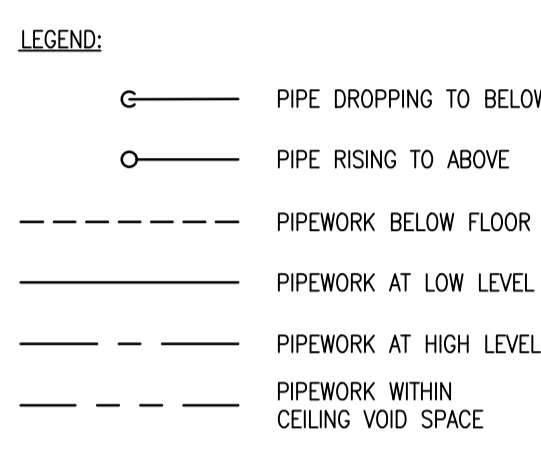
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- NOTES**
- ALL PIPEWORK ROUTES SHOWN ARE INDICATIVE & SUBJECT TO VALIDATION BY THE CONTRACTOR.
 - FOR PIPE SIZES REFER TO DWG No. 227637-FCG-MB-SC-DR-M-5300 & 227637-FCG-MB-SC-DR-M-5301



- ABBREVIATIONS:**
- BCWS - BOOSTED COLD WATER SERVICE
 - HWS-F - HOT WATER SERVICE FLOW
 - HWS-R - HOT WATER SERVICE RETURN
 - MCWS - MAINS COLD WATER SERVICE
 - B - BOILER
 - DW - DISHWASHER
 - SHR - SHOWER
 - WC - WATER CLOSET
 - WH - WATER HEATER
 - WHB - WASH HAND BASIN
 - WM - WASHING MACHINE
 - F.A. - FROM ABOVE
 - F.B. - FROM BELOW
 - T.A. - TO ABOVE
 - T.B. - TO BELOW
 - H/L - HIGH LEVEL
 - L/L - LOW LEVEL
 - C/V - CEILING VOID

Rev	Date	By	CHK	Appr	Comment
C02	27.11.20	MR	SH	AM	Revised as Indicated
C01	02.10.20	MR	SH	AM	Tender Issue

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Client: **LFB**

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LFB - Euston Fire Station - Heating Replacement

Drawing Title:
**Mechanical Services
Fourth Floor
Proposed Domestic Water Layout**

Status:
TENDER ISSUE

Drawn By:	Designed By:	Checked By:	Approved By:
BD	MR	SH	AM

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