

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 ISOGENOPA K 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 PRESSURE 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

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER PROJECT RELATED DRAWINGS, SPECIFICATIONS AND DOCUMENTS AS PART OF A SINGLE PROJECT PACKAGE

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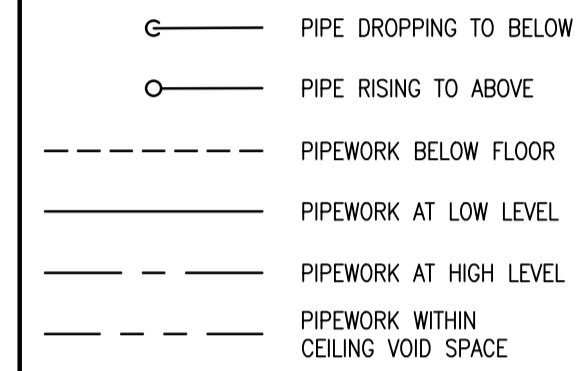
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NOTES

- 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

LEGEND:



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

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C01	02.10.20	MR	SH	AM	Tender Issue

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Client:

LFB
LONDON FIRE BRIGADE

Project Title:
LFB - Euston Fire Station - Heating Replacement

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

Status:
TENDER ISSUE

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