

### **GENERAL NOTES**

- THE CONTRACTOR WILL FULLY COMPLY WITH ALL RELEVANT BRITISH STANDARDS, REGULATIONS, STANDARD CODES OF PRACTICE, METHODS OF
- THE CONTRACTOR SHALL ENSURE THAT ALL PIPEWORK IS INSTALLED AND DESIGNED TO BS806, CIBSE GUIDES, IOP DESIGN GIUDE AND
- ALL SERVICES WILL BE IDENTIFIED IN ACCORDANCE WITH BS 1710 & GOOD ENGINEERING PRACTICE. PIPEWORK TO BE RAL
- 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.
- WITH THE M&E SPECIFICATIONS, LFB -EMPLOYER'S REQUIREMENTS AND EQUIPMENT SCHEDULES.
- URINAL FLUSHING CISTERNS SHOWERS & 300mm FROM FINAL CONNECTION TO OUTLET.
- ISOLATION VALVES ARE TO BE INSTALLED AS LISTED BELOW. SEE DWS SCHEMATIC FOR DETAILS.
- **KITCHENS**
- SUPPLIES - RANGES OF W.C. CISTERNS
- ALL BRANCH CONNECTIONS OFF MAIN
- LEVEL TO FACILITATE DRAINING, AND AUTOMATIC AIR VENTS PROVIDED AT ALL HIGH POINTS ON
- INSULATED AND VAPOUR SEALED IN ACCORDANCE
- 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
- ALL COMPONENTS OF THE DOMESTIC WATER SYSTEM TO BE WRAS APPROVED.
- ALL PIPEWORK TO BE IDENTIFIED IN ACCORDANCE
- ALL PIPEWORK TO BE PRESSURE TESTED
- THE CONTRACTOR SHALL UNDERTAKE FLUSHING, CLEANING AND CHLORINATION OF DWS PIPEWORK
- IN ACCORDANCE WITH THE SPECIFICATION.
- BOTH HOT AND COLD WATER PIPEWORK.
- NOT BE GREATER THAN 1.5BAR AND NOT LESS THAN 0.5BAR. ANY PRESSURE RELIEF VALVES REOUIRED 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.
- ALL SHOWERS TO BE FITTED WITH THERMOSTATIC
- WATER SERVICES TO ALL SANITARYWARE / APPLIANCES SHALL BE INSTALLED TO MANUFACTURER'S INSTRUCTIONS.

- WORKING, AND GOOD PRACTICE.
- 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.

- THIS DRAWING SHALL BE READ IN CONJUNCTION
- BALL-O-FIX ISOLATING VALVES TO BE INSTALLED ON ALL FINAL APPLIANCE BRANCH CONNECTIONS INCLUDING WC's CISTERNS, WASH HAND BASINS, CLEANERS SINKS. VALVE TO BE NO MORE THAN
- ON SUPPLY PIPES TO TOILET AREAS &
- RANGES OF WHBs, BOTH HOT & COLD
- ADJACENT TO ALL MAJOR ITEMS OF
- PLANT/EQUIPMENT
- DISTRIBUTION PIPE WORK DRAIN OFF COCKS ARE TO BE PROVIDED AT LOW
- ALL NECESSARY PIPEWORK. ALL COLD WATER PIPEWORK SHALL BE THERMALLY
- WITH THE SPECIFICATION. GENERALLY, ALL PIPED SERVICES SHALL BE CONCEALED BEHIND ACCESSIBLE PANELS. ANY
- CAVITIES.
- WITH BS 1710.
- THROUGHOUT PRIOR TO APPLICATION OF INSULATION.
- DEAD LEGS SHALL BE A MAXIMUM OF 1000mm ON
- THE WATER PRESURE AT EACH OUTLET SHOULD
- BLENDING VALVES SHALL BE USED ON ALL WHBs.
- MIXER SHOWER VALVE.
- FINAL CONNECTION SIZES TO APPLIANCES:
- WHB = 15mmØ - KITCHENETTE SINK = 22mmØ
- CLEANER'S SINK = 22mmØ
- $-WC = 15mm\emptyset$ - 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.
- ANY DISCREPANCY BETWEEN THIS DRAWING, OTHER DRAWINGS FORMING PART OF THIS CONTRACT, OR THE SPECIFICATION / BILLS OF QUANTITIES MUST BE

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ORDERING OF ANY MATERIALS.

BEEN ISSUED UNDER SPECIFIC TERMS FOR THIS PROJECT AND MAY ONLY BE USED AND REPRODUCED ACCORDINGLY.

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

# LEGEND:

G PIPE DROPPING TO BELOW O———— PIPE RISING TO ABOVE — — — — — PIPEWORK BELOW FLOOR

——— PIPEWORK AT LOW LEVEL

CEILING VOID SPACE

PIPEWORK WITHIN \_\_ \_ \_ \_

## **ABBREVIATIONS:**

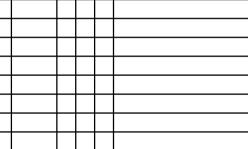
BCWS - BOOSTED COLD WATER SERVICE HWS-F - HOT WATER SERVICE FLOW HWS-R - HOT WATER SERVICE RETURN

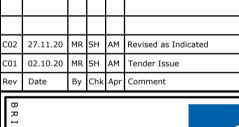
MCWS - MAINS COLD WATER SERVICE

- BOILER DISHWASHER SHOWER
- WATER CLOSET WATER HEATER WASH HAND BASIN

WASHING MACHINE

- FROM ABOVE
- FROM BELOW T.A. – TO ABOVE T.B. – TO BELOW
- HIGH LEVEL LOW LEVEL CEILING VOID







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LONDON FIRE BRIGADE Project Title:

> LFB - Euston Fire Station -Heating Replacement

Drawing Title:

DR

Mechanical Services First Floor Proposed Domestic Water Layout

TENDER ISSUE

Drawn By: Designed By: Checked By: Approved B DK SH Original Issue Date: Scale @ A1: 02/10/2020 1:50 Job No/ File Ref Originator Zone Level 227637 FCG 01 MB

Type Discipline Number Suitability Revision

5304

C02

D2