



- 1. THIS DRAWING IS ISSUED FOR DESIGN INTENT ONLY AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETAIL THE SETTING OUT AND CO-ORDINATION OF THE SERVICES WITH THE BUILDING FABRIC DETAILS
- 2. THE WHOLE OF THE DOMESTIC WATER SERVICES INSTALLATION SHALL COMPLY WITH BS.6700, THE WATER REGULATIONS 2000, HSG 70, ACOP L8, HTM 64 AND REQUIREMENTS OF THE LOCAL WATER AUTHORITY
- 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MECHANICAL, ELECTRICAL, STRUCTURAL, ARCHITECTURAL AND ALL OTHER PUBLIC HEALTH DRAWINGS
- 4. DO NOT SCALE FROM THIS DRAWING
- 5. THE PIPEWORK IS TO BE FIRE STOPPED WHEN PENETRATING COMPARTMENT WALLS AND FLOORS COPPER – FIBRE GLASS PACK WITH CONCRETE BACKFILL.
- 6. THE INDIVIDUAL SUPPLIES TO EQUIPMENT ARE TO BE FITTED WITH BALL PATTERN ISOLATING VALVES INCORPORATING A PROPRIETARY FLOW CONTROL DEVICE, DESIGN FLOW RATES ARE TO BE AS
- FOLLOWS: WASH HAND BASIN 0.151/s
- SINKS 0.21/s
- WC'S 0.11/s
- SHOWERS 0.2 I/s EACH WHB, SINK TAP AND SHOWER HEAD TO BE COMPLETE WITH INTERNAL FLOW LIMITER TO
- COMPLY WITH BREEAM REQUIREMENTS
- 7. ALL PIPEWORK IS TO BE SUPPORTED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- 8. ALL FINAL CONNECTIONS TO FITTINGS TO BE 150 UNLESS OTHERWISE NOTED
- 9. ALL LOW POINTS WITHIN THE SYSTEM ARE TO BE
- PROVIDED WITH DRAIN OFF COCKS.
- 10. ALL HIGH POINTS WITHIN THE SYSTEM ARE TO PROVIDED WITH MANUAL AIR COCKS.
- 11. ALL EXPOSED PIPEWORK TO BE CHROMIUM PLATED.
- 12. FOR VALVING ARRANGEMENT REFER TO SCHEMATICS.
- 13. REFER TO SCHEDULES FOR PIPEWORK MATERIALS.

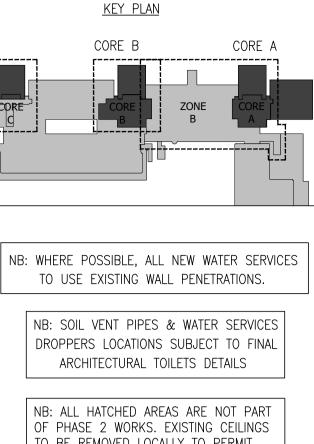
LEGE	IND
WHB WC	WASH HAND BASIN WATER CLOSET (EUROPEAN)
MCWS BHWSF	MAINS COLD WATER SERVICE DOMESTIC BOOSTED
BHWSR	HOT WATER SERVICE FLOW DOMESTIC BOOSTED
HMT	HOT WATER SERVICE RETURN HOT WATER MAINTENANCE TAPE
BCWS	DOMESTIC BOOSTED COLD WATER SERVICE
BGWS	DOMESTIC BOOSTED GREY WATER SERVICE
BCWSR	DOMESTIC BOOSTED RAINWATER SERVICE
CAT5WS MDPE PIR	FLUID CATEGORY 5 WATER SUPPLY MEDIUM DENSITY POLYETHYLENE PRESENT DETECTOR
	MIXING TAP
	THERMOSTATIC SHOWER MIXING VALVE
DCV AA PRV X IV X	DOUBLE CHECK VALVE PRESSURE REDUCING VALVE ISOLATING VALVE
WM	WATER METER WITH SUB-PULSE OUTPUT LINKED TO BMS
DOC DRV SV	DRAIN OFF COCKS DOUBLE REGULATING VALVE SOLENOID VALVE
TMV	THERMOSTATIC MIXING VALVE
TBV NRV	THERMOSTATIC BLENDING VALVE NON–RETURN VALVE
PTRV 🕅	PRESSURE AND TEMPERATURE RELIEF VAL
ERV	EXPANSION RELIEF VALVE
K.	VALVE WITH HOSE UNION
	SERVICES RUN WITHIN FLOOR VOID/BELOW SLAB
	SERVICES RUN AT HL SERVICES RUN AT LL

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Base	Based on architects drawing						
	XR-04-DR-A-2405						
Issue	status						
	STAGE 3						
Proje	Project UCL IOE, 20 BEDFORD WAY PHASE 2						
Title	Title LEVEL 4 CORE B WATER SERVICES LAYOUT						
Scale	e De	esigned By	Checked by	Date			
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	building services consultants Fifth Floor, 120 Old Broad Street, London, EC2N 1AR T +44 (0)20 7920 4850 F +44 (0)20 7920 4851 E info@longandpartners.co.uk W www.longandpartners.co.uk						

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TO BE REMOVED LOCALLY TO PERMIT INSTALLATION OF NEW SERVICES. CEILINGS TO BE REINSTATED TO THE SAME STANDARD PRE-WORKS. ANY DAMAGE INCURRED TO BE AT THE SUBCONTRACTORS EXPENSE.

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BHWS FLOW

BCWS

BHWS RETURN