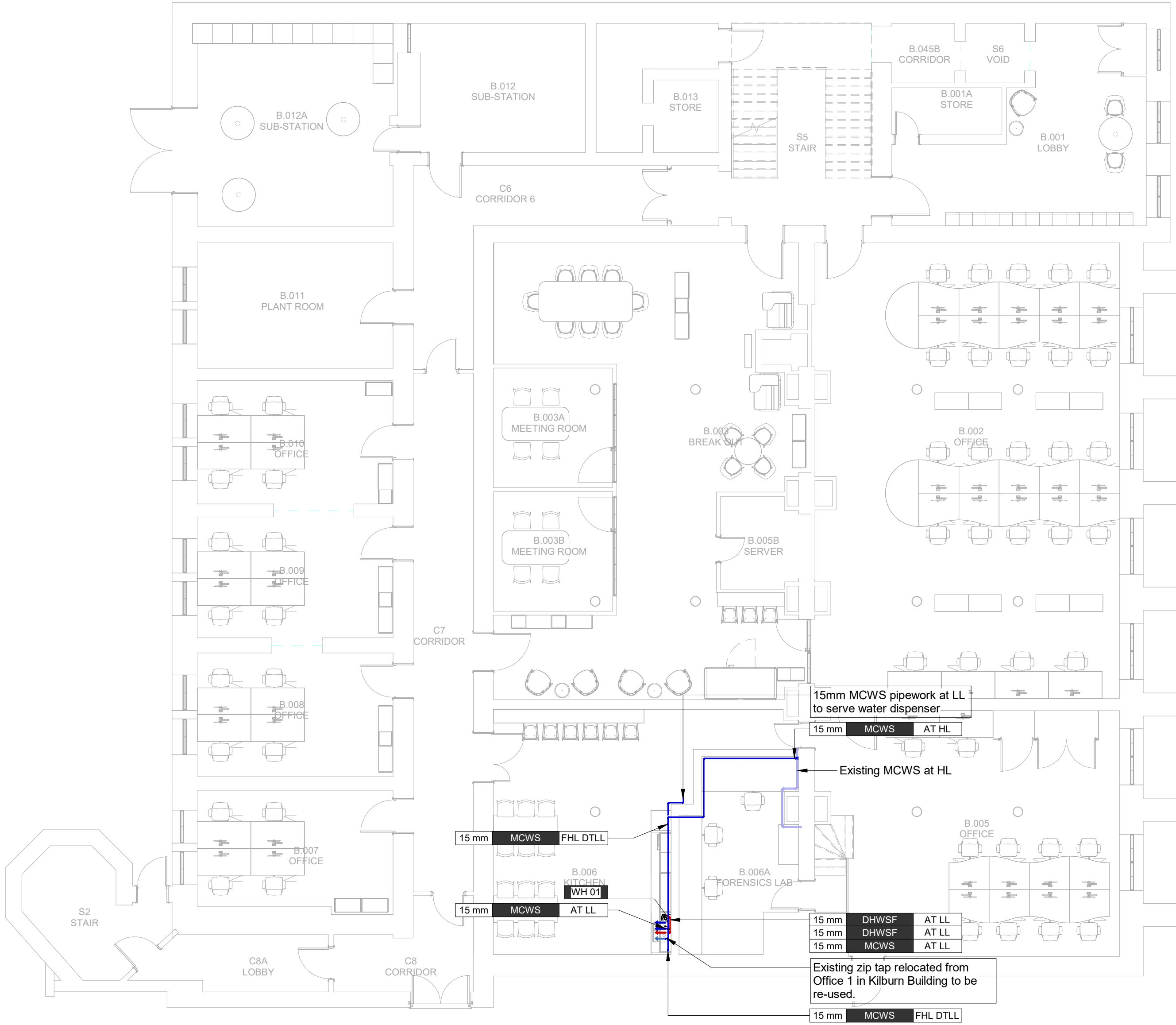


This drawing shall not be scaled.
Work from the dimensions shown in the
drawing or given in relevant specifications



Mechanical Pipework
Systems Colour Scheme

- Mains Cold Water Service
- Domestic Hot Water Service Flow

Public Health Pipework
Tag Abbreviations

- AT HL At high level
- AT LL At low level
- FA CTD From above connect to drainage
- FA DTB From above drop to below
- FA DTHL From above drop to high level
- FA DTLL From above drop to low level
- FB RTA From below rise to above
- FB RTHL From below rise to high level
- FB RTLL From below rise to low level
- FB TO ATM From below vent to atmosphere
- FHL CTD From high level connect to drainage
- FHL DTB From high level drop to below
- FHL DTLL From high level drop to low level
- FHL RTA From high level rise to above
- FLL CTD From low level connect to drainage
- FLL DTB From low level drop to below
- FLL RTA From low level rise to above
- FLL RTHL From low level rise to high level
- DP Discharge pipe
- VP Vent pipe
- SS Stub stack
- FG Floor gully
- RWP Rainwater pipe
- RWO Rainwater outlet
- CC Capped connection
- CTD Connect to drain
- RE Rodding eye

CDM Regulations:

In addition to any information included in this drawing or the model from which it is derived, refer also to the project CDM Risk Register for information on residual risks.

General Notes:

- The drawing does not necessarily show all the information needed to interpret the design intent or the construction details.
- The drawing contains information from more than one source and must be read in conjunction with all relevant specifications.
- Any apparent drafting errors and differences between other drawings and specifications shall be brought to our attention.

Project Notes:

General Notes:

- This drawing is to be read in conjunction with all relevant architectural, structural, mechanical, public health, and electrical engineers drawings and the associated specifications.
- This drawing shows the design intent only and is subject to coordination by the Contractor and the preparation of installation detail drawing.
- The contractor shall refer to the architect's drawings for details of fire compartmentation. Fire stopping to be provided to all services as required to maintain fire compartmentation.
- Refer to existing as-built layouts for further information of existing services.
- Contractor to validate all existing services by invasive survey prior to tender and include for all necessary modifications to existing services as required to facilitate the works.
- The contractor to fully comply with EPMS.
- The contractor to be responsible for final coordination of all services.

Domestic Notes:

- All penetrations of the structure shall be fitted with metal sleeves. At fire barriers the sleeves shall be suitably packed to maintain the integrity of the barrier.
- Refer to layouts, schematics, specification, acoustic report and fire engineering report for further requirements.
- Any sizes and loading information are to assist with costing but are subject to change with further design development.
- All pipes, fittings and sanitaryware to be WRAS or equivalent approved.
- Access panels to be provided to facilitate access and maintenance to all items of equipment.
- Air vents shall be provided at all high points and drain-off provided at low points.
- Provision of bracketry and accommodation of thermal expansion in the pipework shall be indicated on the working drawings. This may be by means of strategically located changes in direction, expansion loops, expansion bellows and anchor points.
- Isolation valves to be installed on all BCWS and DHWSF branches at a maximum distance of 2 pipe diameters from the branch connection. Line isolation shall be provided immediately either side of any maintainable ancillaries such as water meters, water heaters, PIR controlled shut-off valves, thermostatic mixing valves, etc.
- All pipework to drop in IPS panels where provided and concealed to the architect's detail.
- Backflow protection and pressure reduction to be provided as per the water regulations and as required based on manufacturers information for all sanitaryware appliances and equipment.
- Provide isolation prior to each drain cock with the pipework between the isolation valve and drain cock drained in normal operation. Pipework distribution to be optimised to minimise quantity of drain cocks and AAV's required in the system.

T01	Tender Issue	JH	JB	EJG	22/08/25
P01	Stage 4i Issue	JH	JB	EJG	25/07/25
Issue	Description	Designed	Reviewed	Authorised	Date

REVISIONS:

HOARE LEA

ARCHITECT:
Fairhurst Architects

CLIENT:
University of Manchester

PROJECT TITLE:
ITS & Computer Science

DRAWING TITLE:
Eddie Newcombe
LGF
Proposed Domestic Water Services Layout

Tender Issue					
PERSON RESPONSIBLE FOR:					
Design:	Review:	Authorising Issue:			
JH	JB	EJG			
Project No:	Date:	Scale @ A1:			
04/06325	25/07/25	1:100			
DRAWING NUMBER:				Status:	Rev:
0406325-HLE-EN-ZZ-DR-P-557001				S4	T01