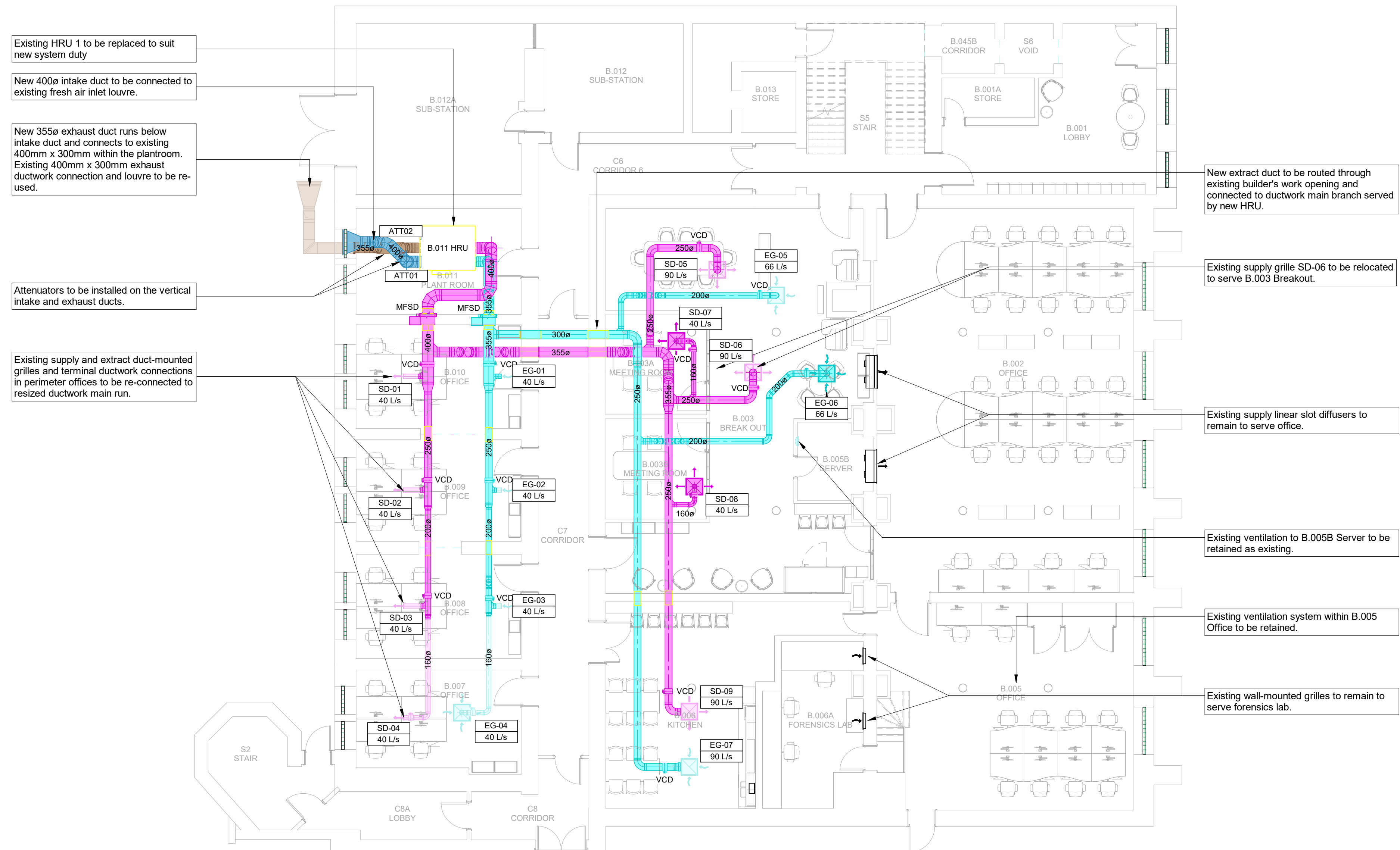
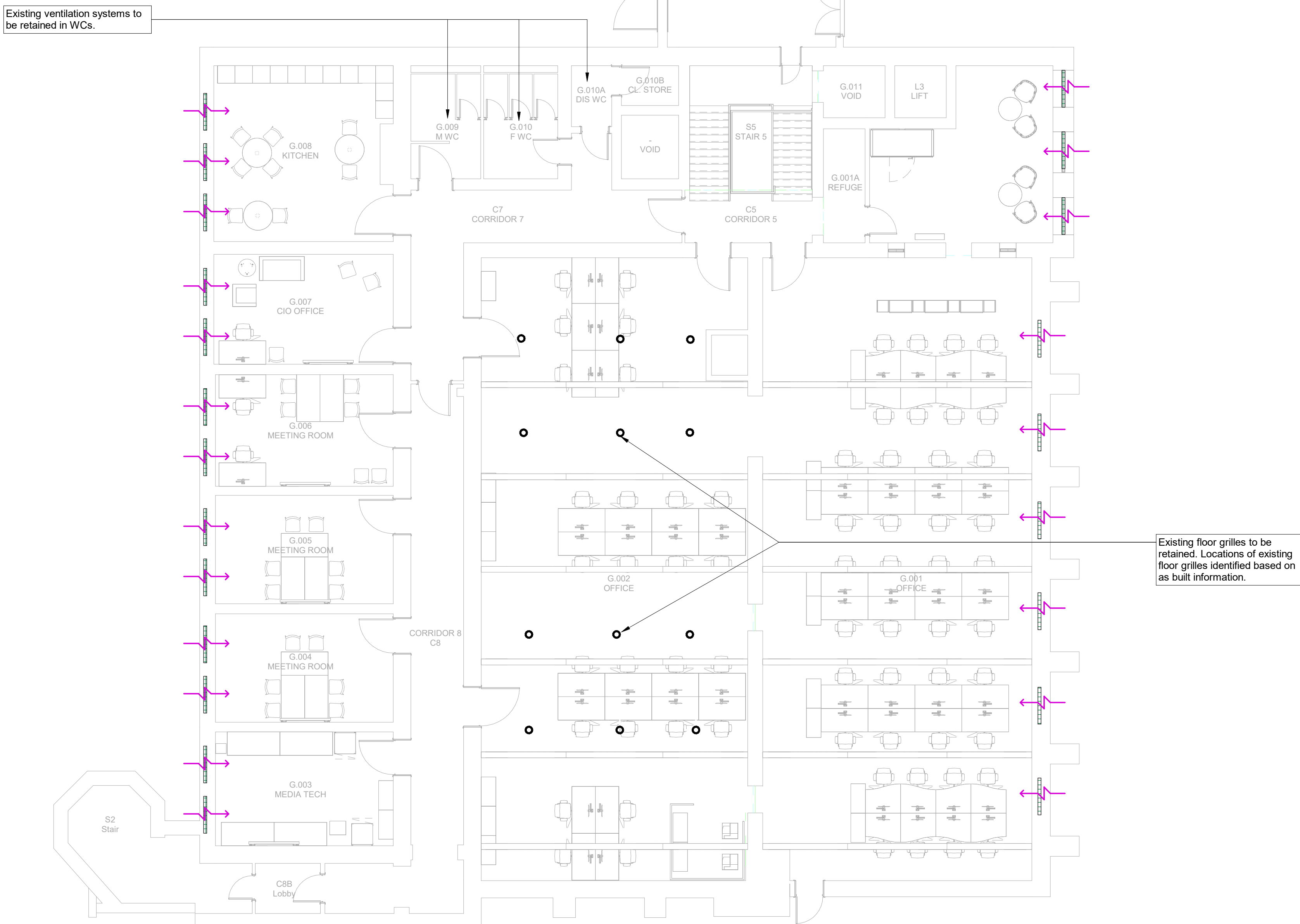




1 Lower Ground Floor - Ventilation
1 : 100



2 Lower Ground Floor Mezzanine - Ventilation
1 : 100

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:

- 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.

Ventilation Notes:

- The contractor shall include for appropriate measures to alleviate the effects of thermal expansion.
- Contractor to include allowance for re-balance of ventilation system to ensure airflow rates are achieved in all spaces served.
- New motorised fire and smoke dampers to be linked back to existing fire damper panel, subject to contractor site survey.
- Contractor to include for access doors in the plasterboard ceiling to facilitate access to all accessible / maintainable elements (provisionally 10 No.).
- VCDs are required on all new ventilation branches. All VCDs to be multi-opposed blade type.
- 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.
- Equipment quantities shown are indicative only. Final quantify/location to be determined by the contractor.
- Cross talk attention to be provided as required by the acoustic report.

Legend:

- Existing Supply Grille
- Existing Extract Grille
- New Supply Grille
- New Extract Grille
- Duct Mounted Extract Grille
- Duct Mounted Supply Grille
- Supply Duct where Detail 1 is Applicable
- Extract Duct where detail 1 is Applicable
- Existing Supply Duct
- Existing Extract Duct
- New Supply Duct
- New Extract Duct
- Natural Vent
- Linear Slot Diffuser
- Wall Mounted Grille
- Floor Mounted Grille

HRU - Heat Recovery Unit
MFSO - Motorised fire and smoke damper
VCD - Volume Control Damper

T01	Tender Issue	JH	EJG	EJG	22/08/25
P01	Stage 4b Issue	JH	EJG	EJG	25/07/25

Index	Description	Design	Rev	Authorised	Date
-------	-------------	--------	-----	------------	------

REVISIONS:

HOARE LEA **HL**

ARCHITECT:
Fairhurst Architects

CLIENT:
University of Manchester

PROJECT TITLE:
ITS & Computer Science

DRAWING TITLE:
Eddie Newcombe
LGF & LGF-M
Ventilation Services Layout

Tender Issue

Design	Review	Authorising Issue:
JH	EJG	EJG

Project No:	Date:	Scale @ A0:
04/06325	25/07/25	1:100

DRAWING NUMBER:	Status	Rev
0406325-HLE-EN-ZZ-DR-M-654001	S4	T01