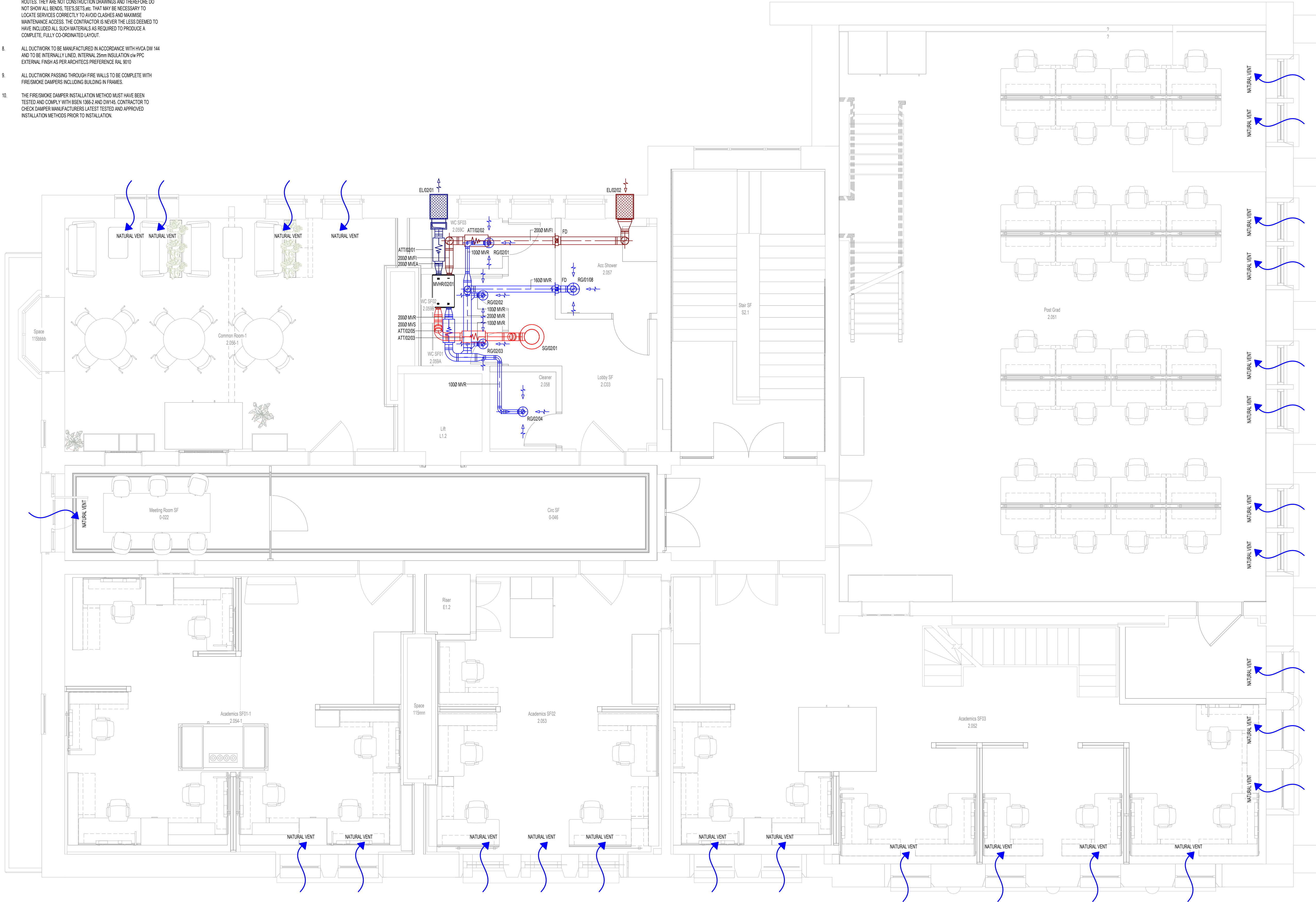


- VENTILATION NOTES:
- THIS DRAWING IS FOR COSTING ONLY. FULLY CO-ORDINATED, DETAILED INSTALLATION DRAWINGS MUST BE PROVIDED BY THE CONTRACTOR.
 - ALL EQUIPMENT AND GRILLES TO BE SUSPENDED BY BUILDING STRUCTURE.
 - ALL SHEET METAL DUCTWORK SHALL BE PROVIDED WITH ACCESS DOORS IN COMPLIANCE WITH RECOMMENDATIONS MADE WITHIN HVAC PUBLICATION 'CLEANLINESS OF VENTILATION TR17'. ALL POSITIONS OF ACCESS DOORS SHALL BE DETAILED ON THE CONTRACTORS WORKING DRAWING. ACCESS PANELS TO BE PROVIDED BOTH SIDED OF FIRE-SMOKE DAMPERS & VOLUME CONTROL DAMPERS.
 - ALL FLEXIBLE CONNECTIONS TO BE MAXIMUM OF 300mm.
 - ALL GRILLES TO BE CO-ORDINATED ON SITE IN CONJUNCTION WITH ALL OTHER SERVICES
 - THE CONTRACTOR SHALL ALLOW FOR ALL SECONDARY STEELWORK NECESSARY FOR DUCTWORK SUPPORTS, ETC.
 - THE LAYOUT SHOWS A GENERAL SOLUTION FOR PRINCIPLE CO-ORDINATION ROUTES. THEY ARE NOT CONSTRUCTION DRAWINGS AND THEREFORE DO NOT SHOW ALL BENDS, TEES, SETS, etc. THAT MAY BE NECESSARY TO LOCATE SERVICES CORRECTLY TO AVOID CLASHES AND MAXIMISE MAINTENANCE ACCESS. THE CONTRACTOR IS NEVER THE LESS DEEMED TO HAVE INCLUDED ALL SUCH MATERIALS AS REQUIRED TO PRODUCE A COMPLETE, FULLY CO-ORDINATED LAYOUT.
 - ALL DUCTWORK TO BE MANUFACTURED IN ACCORDANCE WITH HVCA DW 144 AND TO BE INTERNALLY LINED, INTERNAL 25mm INSULATION &w/ PPC EXTERNAL FINISH AS PER ARCHITECTS PREFERENCE RAL 9010
 - ALL DUCTWORK PASSING THROUGH FIRE WALLS TO BE COMPLETE WITH FIRE-SMOKE DAMPERS INCLUDING BUILDING IN FRAMES.
 - THE FIRE-SMOKE DAMPER INSTALLATION METHOD MUST HAVE BEEN TESTED AND COMPLY WITH BSEN 1366-2 AND DW145. CONTRACTOR TO CHECK DAMPER MANUFACTURERS LATEST TESTED AND APPROVED INSTALLATION METHODS PRIOR TO INSTALLATION.



NOTES:
THIS IS A DESIGN DRAWING NOT AN INSTALLATION DRAWING.
DIMENSIONS SHOULD NOT BE SCALED.
SITE DIMENSIONS TO BE CHECKED BEFORE PRODUCTION OF CRITICAL MANUFACTURING DRAWINGS.
THE DRAWING IS COPYRIGHT AND NO PART MAY BE REPRODUCED WITHOUT WRITTEN CONSENT.

LEGEND:

	EXTRACT DUCTWORK
	EXHAUST AIR DUCTWORK
	FRESH AIR INTAKE DUCTWORK
	SUPPLY DUCTWORK
	RETURN DUCTWORK

DUCT SYSTEM ABBREVIATIONS

	EG	EXTRACT GRILLE
	RG	RETURN GRILLE
	SD	SUPPLY DIFFUSER
	SD	SUPPLY SWIRL DIFFUSER
		BELL MOUTH
	ATT	ATTENUATOR
	CTA	CROSS TALK ATTENUATOR
	FD	FIRE DAMPER
	FSD	FIRE-SMOKE DAMPER
	FCU	FAN COIL UNIT
	MHR	HEAT RECOVERY UNIT
	VCD	VOLUME CONTROL DAMPER
	MFI	MECHANICAL VENTILATION FRESH AIR INTAKE
	MVE	MECHANICAL VENTILATION EXTRACT AIR
	MVE	MECHANICAL VENTILATION EXTRACT
	C	WALL MOUNTED CONTROLLER

Rev C02	STAGE 4 ISSUE - MCC COMMENTS INCORPORATED									
	By: JD	Chkd: JFH	Date: 06.12.24	App: JCF						
Rev C01	STAGE 4 ISSUE									
	By: JN	Chkd: JFH	Date: 16.08.24	App: JCF						
Status A4	Description STAGE 4A COMPLETED		Stage 4							
Client										
Project	UNIVERSITY OF MANCHESTER RUTHERFORD BUILDING									
Drawing	MECHANICAL SERVICES VENTILATION SECOND FLOOR GENERAL ARRANGEMENT LAYOUT									
NEWCASTLE ■ TEESSIDE ■ YORKSHIRE ■ NORTH WEST										
Drawing Number	UOMRB-CAD-XX-02-DR-M-57002			Revision C02						
Scale	As indicated		Size	A1						
Drawing Origins : RBUM-IBI-XX-XX-M3-A-000002 Rev 241108										