

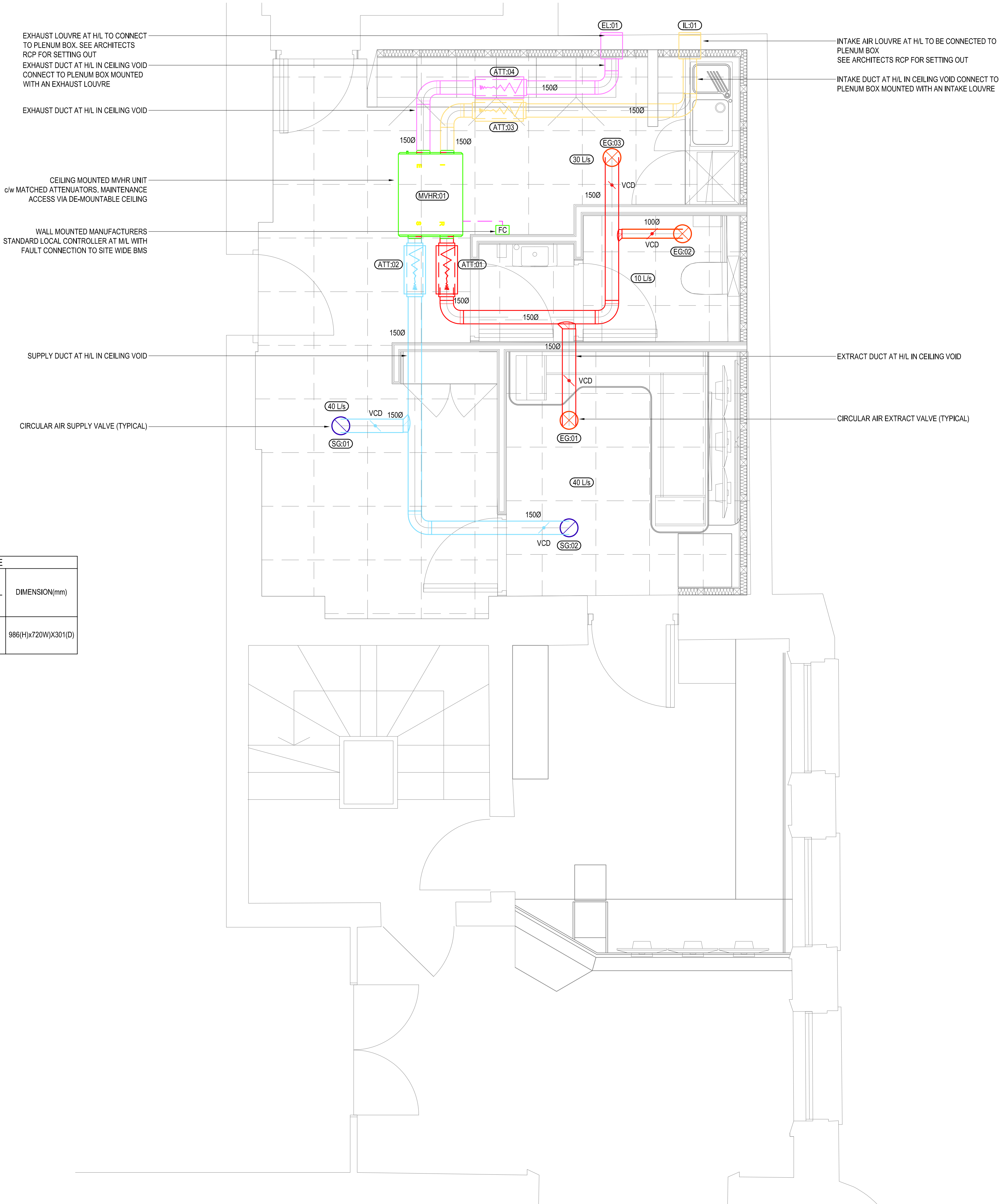
FILENAME: Z:\PROJECTS\307685 - SECURITY CONTROL ROOM, LONDON ROAD\TECHNICAL DRAWINGS\MECHANICAL\307685-HAH-ZZ-01-DR-M-05710.DWG | PLOTTED DATE: 27 October 2021 16:20:03

MECHANICAL VENTILATION HEAT RECOVERY SCHEDULE						
EQUIPMENT REF NO	FAN VOLUME (L/s) / PRESSURE (Pa)	ELECTRICAL SUPPLY (V/Ph/Hz)	FAN SFP (kW/m³/s)	HEAT RECOVERY EFFICIENCY (%)	MAKE/MODEL	DIMENSION(mm)
MVHR-01	80 / 80	230/1/50	1.8	77	VENT AXIA/ LOW SENTINEL 300MZ	986(H)x720(W)x301(D)

ATTENUATOR SCHEDULE				
EQUIPMENT REF NO	TYPE	VOLUME (L/s)	LENGTH/SIZE (mm)	MAKE/MODEL
ATT-01	SUPPLY/ CIRCULAR	80	600 / 1500	CAICE/CG CIRCULAR
ATT-02	SUPPLY/ CIRCULAR	80	600 / 1500	CAICE/CG CIRCULAR
ATT-03	EXTRACT/ CIRCULAR	80	600 / 1500	CAICE/CG CIRCULAR
ATT-04	EXTRACT/ CIRCULAR	80	600 / 1500	CAICE/CG CIRCULAR

GRILLE SCHEDULE				
EQUIPMENT REF NO	GRILLE TYPE	VOLUME (L/s)	SIZE (mm)	MAKE/MODEL
SG-01 & SG-02	SUPPLY/ CIRCULAR AIR VALVE	40	1500	WATERLOO/ VA-150
EG-01	EXTRACT/ CIRCULAR AIR VALVE	40	1500	WATERLOO/ VB-150
EG-02	EXTRACT/ CIRCULAR AIR VALVE	10	1000	WATERLOO/ VB-100
EG-03	EXTRACT/ CIRCULAR AIR VALVE	30	1500	WATERLOO/ VB-150

EXTERNAL LOUVRE SCHEDULE				
EQUIPMENT REF NO	TYPE	VOLUME (L/s)	SIZE (mm)	MAKE/MODEL
EL-01	EXTRACT	80	400(W)x300(H)	WATERLOO/WG-EF/ 400/300/75/PPM9006
IL-01	SUPPLY	80	400(W)x300(H)	WATERLOO/WG-EF/ 400/300/75/PPM9006



THIS DRAWING IS INDICATIVE AND REPRESENTS ONLY THE DESIGN INTENT. THE CONTRACTOR MUST PRODUCE FULLY CO-ORDINATED WORKING / INSTALLATION DRAWINGS AS REFERRED TO IN THE CONTRACT DOCUMENTATION

NOTES

- DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS INDICATED ARE IN MILLIMETRES
- DRAWING TO BE READ IN CONJUNCTION WITH SPECIFICATION, DOCUMENTATION, DRAWINGS & ALL RELEVANT BRITISH STANDARD DOCUMENTS
- ALL DUCTWORK TO BE MANUFACTURED & INSTALLED TO DW/144 SPECIFICATION FOR SHEET METAL DUCTWORK.
- ALL BRANCHES TO INCORPORATE MULTI-BLADE TYPE VOLUME CONTROL DAMPERS.
- ALL DUCTS PASSING THROUGH CAVITY BARRIERS TO INCORPORATE FIRE DAMPER WITH ACCESS DOOR AS ON BOTH SIDES OF BARRIER.
- GENERAL SUPPLY & EXTRACT DUCTWORK TO BE INSULATED & PROTECTED WITH FOIL FACE FINISH. ALL DUCTWORK WITHIN PLANTROOMS TO BE PROTECTED WITH ALUMINIUM HAMMER CLAD PROTECTION.
- ALL EQUIPMENT, DUCTWORK, GRILLES & PLENUM BOXES TO BE INDEPENDENTLY HUNG FROM STRUCTURE.
- FLEXIBLE DUCTWORK SHOULD NOT EXCEED 500mm IN LENGTH ON EACH GRILLE.
- ALL BENDS TO BE SWEPT WHERE POSSIBLE AND INCORPORATE TURNING VANES WHERE NOT.
- ALL CONNECTIONS TO GRILLES TO BE AS PER MANUFACTURERS STANDARD CONNECTION DETAILS.
- ALL SERVICES SHOULD BE LABELLED TO BS 1710.
- FIRE DAMPERS REQUIRED AT FIRE COMPARTMENTS, ARCHITECT / FIRE ENGINEER / BUILDING CONTROL OFFICER TO CONFIRM

VENTILATION LEGEND

—	NAT VENT	NATURAL VENTILATION (PROVIDED BY OPENABLE WINDOWS)
—	SUPPLY AIR DUCTWORK	
—	EXTRACT AIR DUCTWORK	
—	EXHAUST DUCTWORK	
—	FRESH AIR DUCTWORK	
	DUCTWORK SET DOWN	
	DUCTWORK SET UP	
	VCD	
	FIRE DAMPER	
	ATTENUATOR	
	GRILLE REFERENCE (xx DENOTES FLOOR yy DENOTES No.)	
	MVHR CONTROLLER	
	ATTENUATOR	
	EXTERNAL LOUVRE	
	EXTRACT GRILLE	
	SUPPLY GRILLE	
	CEILING VOID	
	HIGH LEVEL	
	LOW LEVEL	
	DROP FROM ABOVE	
	DROP TO BELOW	
	RISE FROM BELOW	
	RISE TO ABOVE	

P03 UPDATED TENDER ISSUE	SM	RL	RL	22.10.21
P02 TENDER ISSUE	SM	RL	RL	15.10.21
P01 STAGE 3	SM	RL	RL	01.10.21
REV DESCRIPTION	BY	CHK	APP	DATE

Project Status:	TENDER
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Project: 307685
**HORNIMAN MUSEUM
STAFF RECEPTION & REST
AREA REFURBISHMENT**

Drawing Title:
VENTILATION LAYOUT

Scale @ A1 1:25	Date OCT 2021	Engineer RL
Drawing No. 307685-HAH-ZZ-01-DR-M-05710	Revision P03	