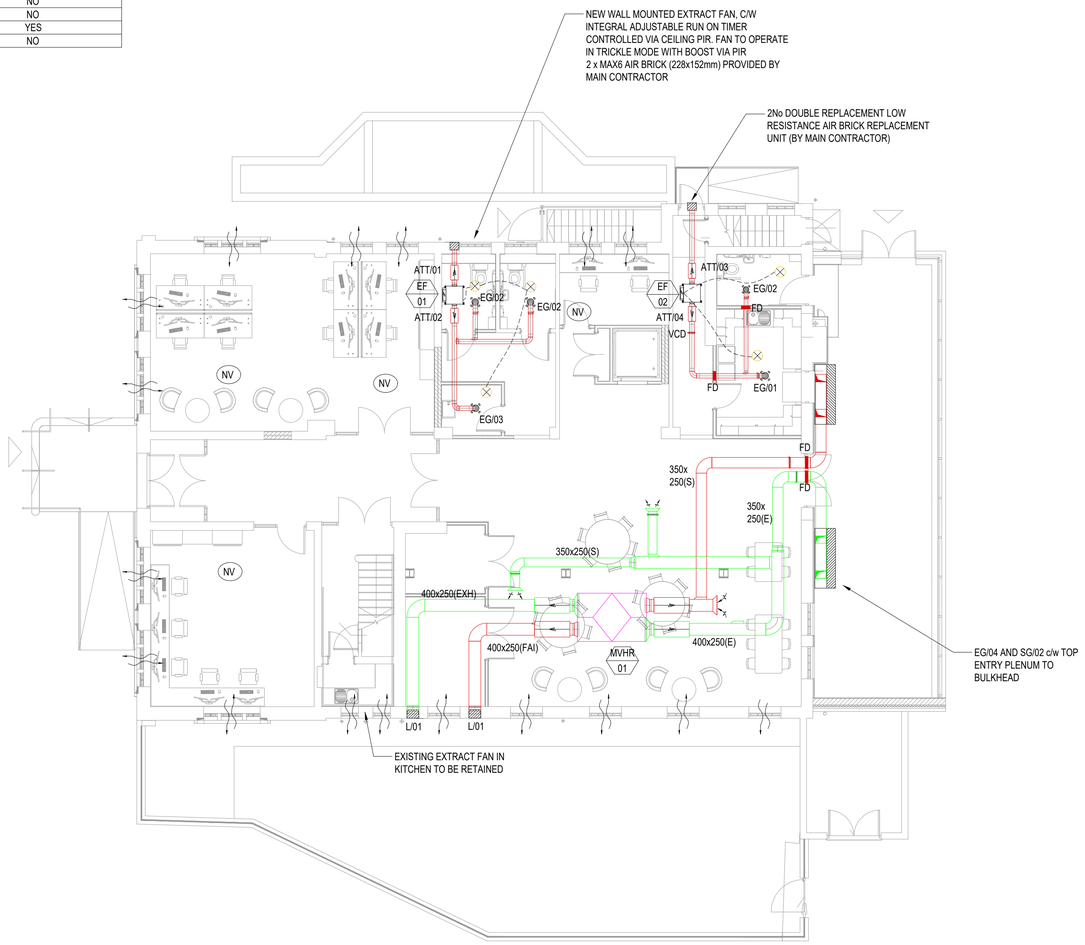
REFERENCE	FLOWRATE	TOTAL EXTERNAL PRESSURE (STATIC)	MANUFACTURER	RANGE	MODEL	DIMENSIONS (WXDXH)	ELECTRICAL	FILTERS	WEIGHT	SPEED CONTROLLED SFP	CONTROLS
	m^3/s	Pa				mm			kg	W/l/s	
MVHR01	0.45	150	MITSUBISHI	LGH-RVXT3-E	250	2100x1600x500	230/50/1	G4	172	0.75	WALL MOUNTED CONTROL
MVHR02	0.08	150	MITSUBISHI	LOSSNAY	LGH65RVXE	908x954x404	230/50/1	G4	38	0.69	WALL MOUNTED CONTROL
MVHR03	0.08	150	MITSUBISHI	LOSSNAY	LGH65RVXE	908x954x404	230/50/1	G4	38	0.69	WALL MOUNTED CONTROL
EF01	0.042	100	NUAIRE	DAVE	DE1	605x559x233	230/50/1	N/A	27	0.5	CEILING MOUNTED, PIR CONTROL.
EF02	0.036	100	NUAIRE	DAVE	DE1	605x559x233	230/50/1	N/A	27	0.5	CEILING MOUNTED, PIR CONTROL.
EF03	0.03	100	NUAIRE	DAVE	DE1	605x559x233	230/50/1	N/A	27	0.5	CEILING MOUNTED, PIR CONTROL.
EF04	0.024	100	NUAIRE	DAVE	DE1	605x559x233	230/50/1	N/A	27	0.5	CEILING MOUNTED, PIR CONTROL.

GRILLE SCHEDULE					
REF	VOL. L/S	MODEL	DUCT SIZE (Dia / mm)	GRILLE SIZE (mm)	PLENUM
SG01	159	JSC/250	250Ø	250Ø	NO
SG02	250	GSL4 (4SLOT)	350x250	2000(L)	YES
EG01	30	GX200	150Ø	200Ø	NO
EG02	6	GX150	150Ø	150Ø	NO
EG03	30	GX200	150Ø	200Ø	NO
EG04	250	GSL4 (4SLOT)	350x250	2000(L)	YES
L01	450	400x800	400x250	WGF75VM	NO

PRODUCT REFERENCE	PRODUCT DESCRIPTION	PRODUCT CODE	DIMENSIONS (MM)			VOLUME (M^3/S)	PRESSURE LOSS (PA)
			WIDTH	HEIGHT	LENGTH		
ATT-01	EF01 EXH	RECTANGULAR LG01V/1E/L/S	175	175	920	0.04	21
ATT-02	EF01 EXT	RECTANGULAR LG01V/1E/L/S	175	175	920	0.04	21
ATT-03	EF02 EXH	RECTANGULAR LG01V/1E/L/S	175	175	920	0.04	21
ATT-04	EF02 EXT	RECTANGULAR LG01V/1E/L/S	175	175	920	0.04	21
ATT-05	MVHR01 FAI	RECTANGULAR LG01V/1E/L/S	525	400	1200	0.5	25
ATT-06	MVHR01 EXH	RECTANGULAR LG01V/1E/L/S	525	400	1200	0.5	25
ATT-07	MVHR01 SUP	RECTANGULAR LG01V/1E/L/S	525	400	1200	0.5	25
ATT-08	MVHR01 EXT	RECTANGULAR LG01V/1E/L/S	525	400	1200	0.5	25
ATT-09	MVHR02 FAI	RECTANGULAR LG01V/1E/L/S	225	225	920	0.08	16
ATT-10	MVHR02 EXH	RECTANGULAR LG01V/1E/L/S	225	225	920	0.08	16
ATT-11	MVHR02 SUP	RECTANGULAR LG01V/1E/L/S	225	225	920	0.08	16
ATT-12	MVHR02 EXT	RECTANGULAR LG01V/1E/L/S	225	225	920	0.08	16
ATT-13	MVHR03 FAI	RECTANGULAR LG01V/1E/L/S	225	225	920	0.08	16
ATT-14	MVHR03 EXH	RECTANGULAR LG01V/1E/L/S	225	225	920	0.08	16
ATT-15	MVHR03 SUP	RECTANGULAR LG01V/1E/L/S	225	225	920	0.08	16
ATT-16	MVHR06 EXT	RECTANGULAR LG01V/1E/L/S	225	225	920	0.08	16
ATT-17	EF03 EXH	RECTANGULAR LG01V/1E/L/S	175	175	920	0.03	14
ATT-18	EF03 EXT	RECTANGULAR LG01V/1E/L/S	175	175	920	0.03	14
ATT-19	EF04 EXH	RECTANGULAR LG01V/1E/L/S	175	175	920	0.02	9
ATT-20	EF04 EXT	RECTANGULAR LG01V/1E/L/S	175	175	920	0.02	9



LEGEND	
SYMBOL	DESCRIPTION
	SUPPLY GRILLE
	EXTRACT GRILLE
	VOLUME CONTROL DAMPER
	FIRE DAMPER
	ATTENUATOR
	SUPPLY DUCTWORK
	EXTRACT DUCTWORK
C	WALL MOUNTED CONTROLLER
	NATURAL VENTILATION PROVIDED VIA OPENABLE WINDOW
UC	DENOTES DOOR TO UNDERCUT BY 80MM FOR SUFFICIENT VENTILATION

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This drawing shall be read in conjunction with the CWC Mechanical and / or Electrical Specification(s).
DO NOT SCALE FROM THIS DRAWING

DESIGNERS RISK ASSESSMENT

REFER TO APPENDIX 1 OF M&E SPECIFICATION FOR DESIGNERS RISK ASSESSMENT SCHEDULE

DRAWING BACKGROUND(S):
2466-216 Proposed Ground Floor Plan

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL & STRUCTURAL DRAWINGS.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT BUILDING SERVICES DRAWINGS & THE RELEVANT SECTIONS OF THE SPECIFICATIONS & SCHEDULES.
3. THIS DRAWING IS NOT TO BE SCALED.
4. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
5. ANY DISCREPANCIES, ERRORS OR OMISSIONS ARE TO BE CLARIFIED WITH THE RELEVANT ENGINEER AT THE EARLIEST OPPORTUNITY.

VENTILATION

1. DUCTWORK CLASSIFICATION AND AIR LEAKAGE LIMITS SHALL BE LOW PRESSURE - CLASS A.
2. THE MECHANICAL CONTRACTOR SHALL RUN SERVICES SUCH THAT THEY CAN BE SUPPORTED FROM; INTERNAL WALLS AND PARTITIONS; ADDITIONAL SUPPORT CHANNELS INSTALLED BY THE MECHANICAL CONTRACTOR.
3. ALL WORKS SHALL BE IN ACCORDANCE WITH THE BUILDING REGULATIONS PART F AND PART L.
4. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH BESA DW 144 AND MANUFACTURERS RECOMMENDATIONS
5. THERMAL INSULATION SHALL BE PROVIDED TO DUCTWORK GENERALLY THROUGHOUT AS PER THE SPECIFICATION
6. FIRE DAMPERS SHALL BE PROVIDED IN ACCORDANCE WITH THE BUILDING REGULATIONS PART B WHERE DUCTWORK PENETRATES ANY FIRE COMPARTMENTATION WALLS ETC. NO FIRE STRATEGY DRAWINGS HAVE CURRENTLY BEEN RECEIVED BY CWC.

Rev	Date	Description	Eng	Chk
C3	01.04.25	UPDATED CONSTRUCTION ISSUE	SB	GR
C2	28.03.25	UPDATED CONSTRUCTION ISSUE	SB	GR
C1	17.03.25	CONSTRUCTION ISSUE	SB	GR
T4	05.03.25	UPDATED INLINE WITH COMMENTS	CC	CE
T3	08.11.24	UPDATED INLINE WITH LATEST XREF	CC	CE
T2	16.10.24	UPDATED INLINE WITH LATEST XREF	CC	CE
T1	27.09.24	TENDER ISSUE	CC	CE

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Project
WREXHAM OLD LIBRARY REFURBISHMENT

Drawing Title
GROUND FLOOR VENTIALTION LAYOUT

Status
CONSTRUCTION

Project No.	Drawn	Scale / Paper Size
3327	CC	1:100 @ A1

Drawing No. 3327-CWC-XX-00-DR-M-5701 Rev C3