

Portico Library

Architect: Purcell
Issue Status: **S4 – Suitable for Stage Approval**

TABLE 1: FAN SCHEDULE

REF	DESCRIPTION/TYPE	IMAGE	LOCATION	MANUFACTURER & REF, (NOTE 1)	AIR FLOW m³/s	EXT'L PRESS Pa	SPECIFIC FAN POWER (SFP) W/l/s		Dimensions (LxDxH) mm	MOTOR kW/ PHASE	NOISE LEVEL (NR)	NOTES / ACCESSORIES
							MAX ALLOWED	SELECTED				
MVHR.01	Ceiling Mounted MVHR		- Basement changing places WC (serving the collection workshop) - Basement kitchen for background vent - Roof (serving accessible WC, cleaners store and quiet room on north corner of building)	Vent Axia Lo-Carbon Sentinel Kinetic Horizontal 300ZH	0.048	100	Max allowed: 1.6 Selected: 1.3		985 x 720 x 301	Motor Size: 0.06 kW 1-Phase Full Load Current: 0 A	39 dBA @ 3m (breakout)	
MVHR.02	Ceiling Mounted MVHR		- Basement staff office - Ground floor back event room	Nuaire XBOXER XBC+ 25	0.16	100	Max allowed: 1.6 Selected: 1.2		1173 x 1369 x 449	Motor size: 0.187 kW 1-Phase Full load Current: 4A	28 dBA @3m (breakout)	
EF.01	Extract Fan		- Basement WCs and changing places - Staff WCs and shower, and WCs on north west corner of building (unit located on the roof)	Nuaire Dave DE2-ES	0.042 / 0.06	100/150	Max Allowed: 0.5 Selected: 0.4/0.5		605 x 696 x 300	Motor size: 0.088 kW 1-Phase Full load current: 0.75A	16/18 dBA @3m (breakout)	
RECIRC.01	Recirculating kitchen extract		Basement kitchen	Reco-Air RA 2.0 DS / RA 4.0	3.6	250	Max allowed: 1.6 Selected: 1.27		2970 x 1500 x 2005	Motor size: 3-Phase Full load current: 16A	56 dBA @1m (breakout)	

Notes

- Contractor to ensure that the catalogue number is consistent with the description prior to order.
- All variable speed fans to be inverter controlled. Manufacturer to provide individual inverters for each.
- All equipment to be selected to ensure that the total harmonic distortion is less than 15%.
- To be read in conjunction with MFLLP specifications and all relevant drawings.
- Variable speed drive requirements.

Rev	Date	Status	Description	Engineer	Project Leader
P01	09/07/2025	S4	Suitable for Stage Approval	JA	IS