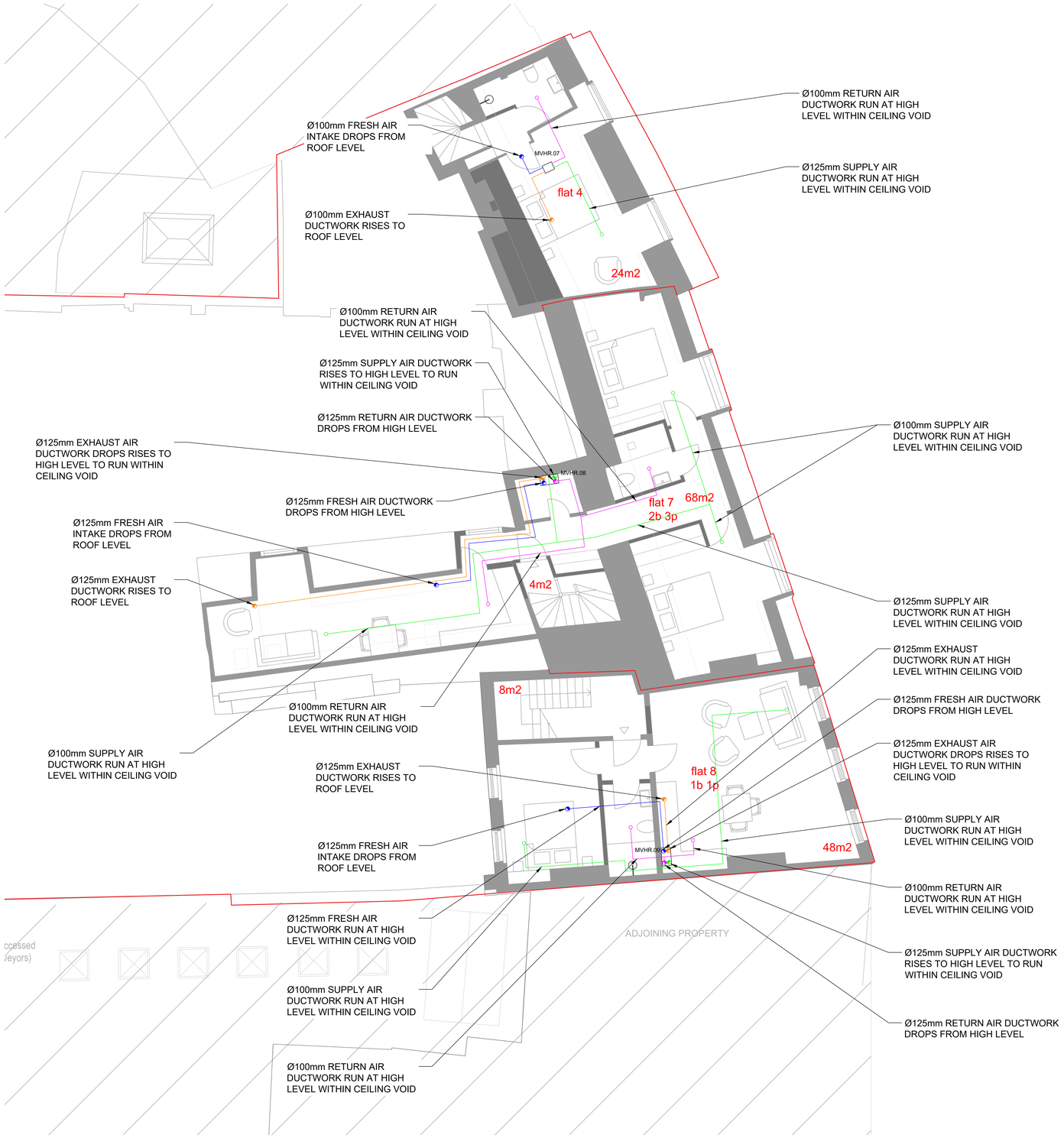
LEGEND

- FRESH AIR INTAKE DUCT
- EXHAUST AIR DUCT
- SUPPLY AIR DUCT
- RETURN AIR DUCT
- FRESH AIR/EXHAUST LOUVRE
- SUPPLY/RETURN VALVE

MVHR SCHEDULE

UNIT REFERENCE	FLAT	FAN MANUFACTURER	FAN MODEL
MVHR.01	04	VENT AXIA	HR100R
MVHR.02	07	VENT AXIA	LO-CARBON SENTINEL CONNECT PLUS
MVHR.03	08	VENT AXIA	LO-CARBON SENTINEL CONNECT PLUS



Notes:

1. This drawing is intended to be printed and read in colour.
2. Unless otherwise specified, all dimensions are nominal values in millimeters.
3. This drawing shall be read in conjunction with all other contract documentation.
4. The Contractor shall be responsible for fully coordinating all services to be installed by others.
5. The Contractor shall liaise with the electrical Contractor to ensure all adequately rated power supplies are allowed to support the full mechanical services installation.
6. All service routes are approximate. The Contractor shall be responsible for determining the exact routes and positions of all installed proposed services and equipment.
7. All services items made redundant by this scheme, or as existing already redundant, shall be removed unless specified otherwise.
8. All equipment proposed for this scheme shall be installed, commissioned and operated in accordance with the manufacturer's equipment specifications and instructions manuals to guarantee correct operation and warranties.
9. All internal supply and extract terminals shall be Ø100mm valve types.
10. The Contractor shall liaise with the architect to determine suitable louvres that maintain the heritage of the building. Where possible, the louvres should maintain a free area of 90%.
11. All penetrations to the building shall be confirmed with the architect and the local planning authority, prior to commencement of works.
12. The Contractor shall liaise with a suitably qualified fire engineering specialist to ensure that the system meets the requirements of the fire strategy.
13. Each MVHR unit shall be controlled via a manual switch with integrated boost function located in wet areas.
14. All ductwork shall be rigid PVC or steel and be insulated throughout.
15. Thermal insulation on ductwork shall be a minimum of 25mm with a thermal conductivity no greater than $0.04W/m^2K$.
16. No joists shall be cut/cored without express written consent from a qualified structural engineer. Any alterations shall be suitable to accomodate ductwork without impacting the integrity of the structure.
17. Flexible duct shall be used in lengths no greater than 300mm and are only to be used for final connections to MVHR units, grilles/valves and louvres. Any flexible duct used within the building shall be pulled taught with smooth, correctly supported bends only.
18. Any MVHR units installed outside of the insulated region of the home (e.g. within a ceiling void, above any insulation), the unit itself shall be insulated.
19. All vertical legs of exhaust ductwork shall be complete with a drainoff point at low level, connecting to the foul water drainage system.
20. All drainage pipework connecting to ductwork or MVHR units shall be 21.5mm and run with a fall of 10mm/m to 40mm/m. Where applicable, and in accordance with the manufacturer's recommendations, MVHR unit drainage shall also be complete with a waterless trap. All drainage pipework shall be insulated when run through unheated spaces.
21. Where possible, all fresh air intake and exhaust louvres shall be placed a minimum of 3m apart, to avoid recirculation.
22. Appropriately sized maintenance hatches shall be provided to allow access to MVHR units mounted above the ceiling.

Rev:	Description:	By:	Date:
P01	ISSUED FOR INFORMATION	MB	28-07-24
A01	ISSUED FOR APPROVAL	MB	07-11-24
A02	ISSUED FOR APPROVAL	MB	08-11-24

Status:

PRELIMINARY

DEXMAH

MOUNTLEY GROUP

27-32 MARKET PLACE

THIRD FLOOR VENTILATION LAYOUT

Scale @ A1:	Date created:	Drawn by:	Checked by:
1:50	19-07-24	MB	HN

Project No:	Drawing No:	Revision:
1093	1093-DEX-03-XX-DR-M-13001	A01

1:50

1m 0 1m 2m 3m 4m 5m