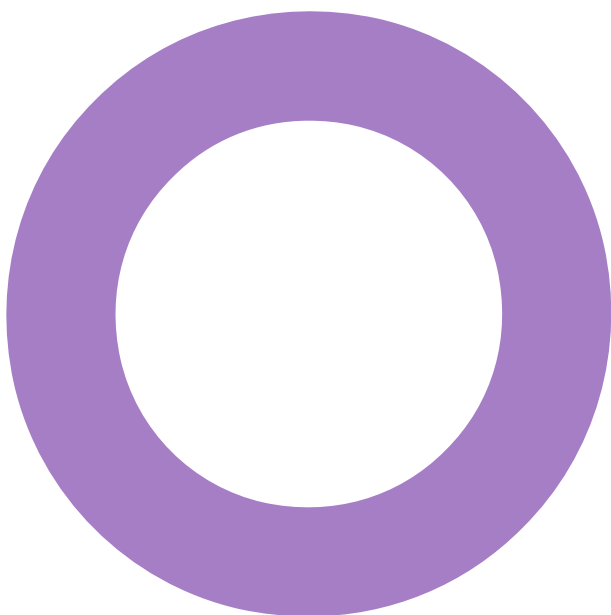


Mayfield Mobility Hub. Manchester. Mayfield Medlock Limited.

MEP ENGINEERING
VENTILATION PLANNING STATEMENT

REVISION P02 – 26 MARCH 2026



Audit sheet.

Rev.	Date	Description of change / purpose of issue	Prepared	Reviewed	Authorised
P01	13/03/2026	Stage 3 Issue	LT	CG	RCM
P02	26/03/2026	Stage 3 Issue – Minor updates	LT	CG	RCM

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Project number: 04/06368

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Executive summary

1.1 Introduction

This ventilation statement has been produced to support the planning application for Mayfield Mobility Hub, Manchester. It provides description of the supply and extract ventilation strategies employed throughout the building, as well as the air intake and discharge strategies.

1.2 Development Overview

1.2.1 Existing Site

The building will be constructed on Plot N of the Mayfield site located in Manchester City Centre, currently home to Mayfield Park and 'Depot'. The Mobility Hub will be constructed in the first phase of the wider site development. The site has been cleared of existing buildings, in preparation for development.

1.2.2 Proposed Development

The proposed development consists of a newly constructed 9-storey car park.

Shower and changing facilities will be provided on the ground floor along-side bicycle parking for up to 385 bikes.

The ground floor will also accommodate a retail unit. The retail unit is designed as shell and core, for future tenant fit out by others.

Ventilation plant space has been provided within the basement to serve landlord spaces on the ground floor. Ventilation equipment for the future retail fit-out is to be provided by the incoming tenant, within the demise of the retail area.

2. Ventilation Strategy

2.1 Shower and changing Facilities

1no AHU located within the basement will supply and extract to/from the ground floor landlord areas, satisfying the requirements of Building Regulations Part F

The provided AHU will contain a thermal wheel heat recovery device, fitted with a 'purge' section, mitigating the risk of cross contamination between extract and supply air streams

The AHU will be provided with intake, discharge, supply, and extract attenuation with anti-vibration mounts to meet the acoustic requirements.

2.2 Car park

The car park areas are to be supplied with natural ventilation via a perforated façade.

To comply with Building Regulations for an open-sided car park, each storey should be naturally ventilated with permanent openings at each car parking level having an aggregate vent area of no less than 1/20th of the floor area at that level, of which at least half (1/40th) should be equally provided between two opposing walls.

The design for the Mayfield Mobility Hub is that the east and west elevations will be provided with an array of patterned perforated cladding, designed to meet the minimum natural ventilation opening requirements whilst limiting views into the car park from outside.

2.3 Tenant Retail Unit

A retail unit will be located on the ground floor. It is proposed that tenant will provide their own ventilation system. Provision for Heat Recovery Units (HRUS) within the space has been allowed for, connecting onto high level louvres reserved for this use on the façade for intake and exhaust.

2.4 Basement Smoke Ventilation

The ductwork systems provided at basement level shall be capable of operating in fire conditions, providing sufficient smoke clearance ventilation for compliance with Building Regulations Part B.

2.5 Internal Plant Areas

The internal plantrooms will be located at ground floor and will be ventilated naturally, by means of high and low-level louvres on the external façade.

2.6 Exhaust emissions

The building will employ a diesel powered life-safety generator located on level 9 which will be operated for short periods monthly to ensure correct operation of the system.

The flue will be routed to terminate 1m above roof level, with sufficient distance provided between the exhaust flue outlets and ventilation intakes to mitigate risk of exhaust fume circulation.



LOUIS THOMAS
SENIOR ENGINEER

+44 161 672 7109
louisthomas@hoarelea.com

HOARELEA.COM

Royal Exchange
Manchester
M2 7FL
England

