

Date: 24/07/2023
Rev01

RE: NEW VICTORIA PLANNING CONDITION 21

HE Simm are designing and installing the ventilation systems for the New Victoria residential development in compliance with the Arup Building Services Employees Requirements (Rev P07) as summarised below:

Residential ventilation systems (Blocks 01 and 02 Level 01 – 25):

Continuous mechanical supply and extract ventilation incorporating heat recovery (MVHR) is provided in all apartments in accordance with the following:

- Building Regulations Approved Document Part B (2010)
- Building Regulations Approved Documents Part F (2010)
- Building Regulations Approved Document Part L (2013).
- Building Regulations Domestic Building Services Compliance Guide (2013)

Apartments are provided with openable windows to provide purge ventilation. Minimum openable free areas are provided to achieve purge requirements in conjunction with the MVHR.

MVHR units are installed in the apartment utility cupboards. Supply ventilation is provided to the following rooms:

- Lounge
- Bedrooms

Extract ventilation is provided to the following rooms:

- Bathrooms
- Kitchens

Under normal operation, the unit shall provide continuous background supply and extract ventilation in accordance with Part F (2010). The MVHR boost shall be activated when either the bathroom light is switched on or a dedicated soft switch within the kitchen area is switched on. The boost setting shall increase the total volume extracted by the system to meet the requirements of Building Regulations Part F.

MVHR connections to atmosphere are installed in the external elevations provided above the façade mounted perforated panel. Sufficient separation is provided between intake and discharge positions to ensure that recirculation does not occur

Landlord and Amenity Areas (Block 01 and 02 Lower & Upper Ground Floor)

Local heat ceiling void mounted recovery units are provided in staff and residential amenity areas on the lower and upper ground floor.

Extract only ventilation is provided to staff WC and welfare facilities located on lower ground floor and level 01

The Refuse Stores on lower ground floor of blocks 01 and 02 have a mechanical extract system for odour control. The extract fans operate to achieve a ventilation rate of 6 ACH (air changes per hour) from each refuse store for odour extract under normal

operation.

MVHR and Extract ductwork connections to atmosphere are installed in the external elevations. Sufficient separation is provided between intake and discharge positions to ensure that recirculation does not occur

Retail Unit Ventilation Systems (Block 02 Upper Ground Floor)

No mechanical ventilation systems are to be installed in the retail units under the contracted works. Space for louvred openings are provided at high level in the façade to allow the tenants to fit out local ventilation systems

No allowance has been made within the design to accommodate commercial kitchens and associated specialist ventilation plant within the retail spaces in line with the Arup Building services Employers requirements Rev. P07 (VIC-ARUP-ZZ-XX-SP-N-002)

Note: if this was to change, the retail tenant would need to consult with a specialist for the design and specification of kitchen ventilation plant and seek approval and sign off from the local planning authority.

LIVERPOOL OFFICE

Suites 5&6 Spinnaker House
141 Sefton Street
Liverpool L8 5SN

☎ 0151 707 3222

@ info@hesimm.co.uk

hesimm.co.uk