

Ventilation/Extraction Statement

Project:

**Scarborough Harbour – West Pier
Development**



Project Ref:	22113	Date:	15/06/2023
Engineer:	Josh Omond		

This statement shall be read in conjunction with the Ventilation drawings submitted. The drawings shall take precedence over the system descriptions below.

Relevant Drawings:

22113-RCE-VEN-00-DR-M-B1-01 - P02 - B1 - Ground Floor Ventilation
22113-RCE-VEN-01-DR-M-B1-01 - P02 - B1 - First Floor Ventilation
22113-RCE-VEN-00-DR-M-B2-01 - P02 - B2 - Ground Floor Ventilation
22113-RCE-VEN-01-DR-M-B2-02 - P02 - B2 - First Floor Ventilation
22113-RCE-VEN-00-DR-M-B3-01 - P02 - B3 - Ground Floor Ventilation
22113-RCE-VEN-01-DR-M-B3-01 - P02 - B3 - First Floor Ventilation
22113-RCE-VEN-00-DR-M-B8-01 - P02 - B8 - Ventilation

Occupied Areas:

Larger occupied areas such as the restaurant/café with higher occupancies will be ventilated via Mechanical supply and Extract with heat recovery. These units will be located within the ceiling void out of view. External penetrations to atmosphere will be via a louvre faced grille with the colour specified to match the external façade. The noise rating will be limited to 35dB and below.

Smaller occupied area's such as the studios and small offices shall be naturally ventilated via opening windows.

Kitchen areas:

The proposed extract fan and associated ductwork serving the café kitchen will be fixed within the roof void of the building. The extract ductwork will run to atmosphere by penetrating through the roof structure to remove any unwanted odours and heat gains from the café kitchen. The noise rating of the fan will be limited to 45-50 dBA as CIBSE GUIDE A TABLE 1.5.

Toilets & Area's requiring extract only:

Area's which require mechanical extract will be ventilated via a wall extract fan or in-line extract fan depending on the location and required flow rate. Each fan will exhaust via a louvre faced grille, colour to match the external façade. Noise levels will be limited to match the space the fan is serving. Toilets will be limited to 40-50 dBA as per CIBSE GUIDE A TABLE 1.5.

Mechanical Drawing Description

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